

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052319\
 Data File : VW010531.D
 Acq On : 23 May 2019 15:48
 Operator : SY/VA
 Sample : K3010-04MS
 Misc : 7.07G/5ML/MSVOA W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 FESB-23(3-3.5)MS

Manual Integrations
 APPROVED

MMDadoda
 5/24/2019 10:44:22 PM

Quant Time: May 24 09:00:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 21 06:38:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	102888	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	182056	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	163496	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	77765	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	57253	53.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.82%	
35) Dibromofluoromethane	7.88	113	56152	50.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.66%	
50) Toluene-d8	10.32	98	212415	50.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.66%	
62) 4-Bromofluorobenzene	12.62	95	83182	49.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	29521	32.106	ug/l	96
3) Chloromethane	2.21	50	33526	31.013	ug/l	94
4) Vinyl Chloride	2.35	62	36706	29.314	ug/l	95
5) Bromomethane	2.76	94	26885	31.210	ug/l	95
6) Chloroethane	2.91	64	24779	30.827	ug/l	95
7) Trichlorofluoromethane	3.25	101	62961	34.058	ug/l	99
8) Diethyl Ether	3.68	74	22672	38.689	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	38863	34.136	ug/l	100
10) Methyl Iodide	4.27	142	37501	28.819	ug/l	98
11) Tert butyl alcohol	5.18	59	18344	192.035	ug/l	99
12) 1,1-Dichloroethene	4.03	96	36986	34.033	ug/l	99
13) Acrolein	3.89	56	22825	425.757	ug/l	97
14) Allyl chloride	4.67	41	52892	33.623	ug/l	99
15) Acrylonitrile	5.37	53	48647	198.218	ug/l	97
16) Acetone	4.12	43	41175	189.945	ug/l	97
17) Carbon Disulfide	4.38	76	104512	32.242	ug/l	99
18) Methyl Acetate	4.67	43	30452	57.439	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	106589	38.473	ug/l	96
20) Methylene Chloride	4.92	84	43392	32.322	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	43022	34.513	ug/l	96
22) Diisopropyl ether	6.31	45	113282	35.120	ug/l	96
23) Vinyl Acetate	6.26	43	318660	165.385	ug/l	99
24) 1,1-Dichloroethane	6.21	63	66632	34.616	ug/l	98
25) 2-Butanone	7.17	43	61137	197.074	ug/l	99
26) 2,2-Dichloropropane	7.17	77	62249	33.950	ug/l	100
27) cis-1,2-Dichloroethene	7.16	96	48593	35.856	ug/l	98
28) Bromochloromethane	7.51	49	39522	57.347	ug/l	96
29) Tetrahydrofuran	7.53	42	41572	198.037	ug/l	97
30) Chloroform	7.67	83	74865	36.058	ug/l	96
31) Cyclohexane	7.95	56	64132	31.807	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	68319	34.427	ug/l	99
36) 1,1-Dichloropropene	8.09	75	57862	34.118	ug/l	100
37) Ethyl Acetate	7.25	43	27395	37.986	ug/l	98
38) Carbon Tetrachloride	8.07	117	61800	33.780	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	73546	32.368	ug/l	97
40) Benzene	8.32	78	164154	34.824	ug/l	100
41) Methacrylonitrile	7.49	41	15412	35.966	ug/l	97
42) 1,2-Dichloroethane	8.40	62	50838	37.735	ug/l	99
43) Isopropyl Acetate	8.43	43	55081	38.230	ug/l	99
44) Trichloroethene	9.09	130	48420	34.600	ug/l	98
45) 1,2-Dichloropropane	9.37	63	39022	34.856	ug/l	99
46) Dibromomethane	9.46	93	24644	37.641	ug/l	97
47) Bromodichloromethane	9.65	83	57920	35.204	ug/l	99
48) Methyl methacrylate	9.43	41	25014	37.949	ug/l	98
49) 1,4-Dioxane	9.45	88	7390	690.966	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	141740	194.143	ug/l	99
52) Toluene	10.39	92	117964	37.264	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	59527	35.724	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	66832	35.119	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	36441	38.706	ug/l	99
56) Ethyl methacrylate	10.65	69	48315	37.209	ug/l	98
57) 1,3-Dichloropropane	10.93	76	59350	37.633	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	158869	276.232	ug/l	98
59) 2-Hexanone	10.97	43	98845	189.794	ug/l	99
60) Dibromochloromethane	11.13	129	43673	36.652	ug/l	100
61) 1,2-Dibromoethane	11.24	107	36980	38.775	ug/l	100
64) Tetrachloroethene	10.86	164	36590	32.104	ug/l	97
65) Chlorobenzene	11.66	112	120130	34.476	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	44399	35.570	ug/l	99
67) Ethyl Benzene	11.73	91	206363	33.544	ug/l	99
68) m/p-Xylenes	11.84	106	163627	67.810	ug/l	99
69) o-Xylene	12.17	106	76859	33.619	ug/l	99
70) Styrene	12.18	104	132922	34.267	ug/l	100
71) Bromoform	12.35	173	24906	36.234	ug/l	# 100
73) Isopropylbenzene	12.46	105	207043	33.551	ug/l	100
74) N-amyl acetate	12.27	43	46500	32.883	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.71	83	43030	38.337	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	35941m	45.532	ug/l	
77) Bromobenzene	12.75	156	49326	35.719	ug/l	98
78) n-propylbenzene	12.80	91	231650	32.212	ug/l	100
79) 2-Chlorotoluene	12.90	91	139879	33.540	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	171400	32.795	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	13513	35.727	ug/l	95
82) 4-Chlorotoluene	12.99	91	145764	33.673	ug/l	100
83) tert-Butylbenzene	13.21	119	147958	32.409	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	170547	32.764	ug/l	99
85) sec-Butylbenzene	13.38	105	202413	31.682	ug/l	100
86) p-Isopropyltoluene	13.50	119	184522	31.909	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	92277	34.059	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	92886	34.171	ug/l	98
89) n-Butylbenzene	13.83	91	165244	30.042	ug/l	99
90) Hexachloroethane	14.10	117	35746	31.936	ug/l	94
91) 1,2-Dichlorobenzene	13.87	146	85603	34.677	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7871	37.714	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	54271	32.311	ug/l	99
94) Hexachlorobutadiene	15.24	225	26070	29.054	ug/l	99
95) Naphthalene	15.37	128	129014	36.592	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	49152	34.009	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

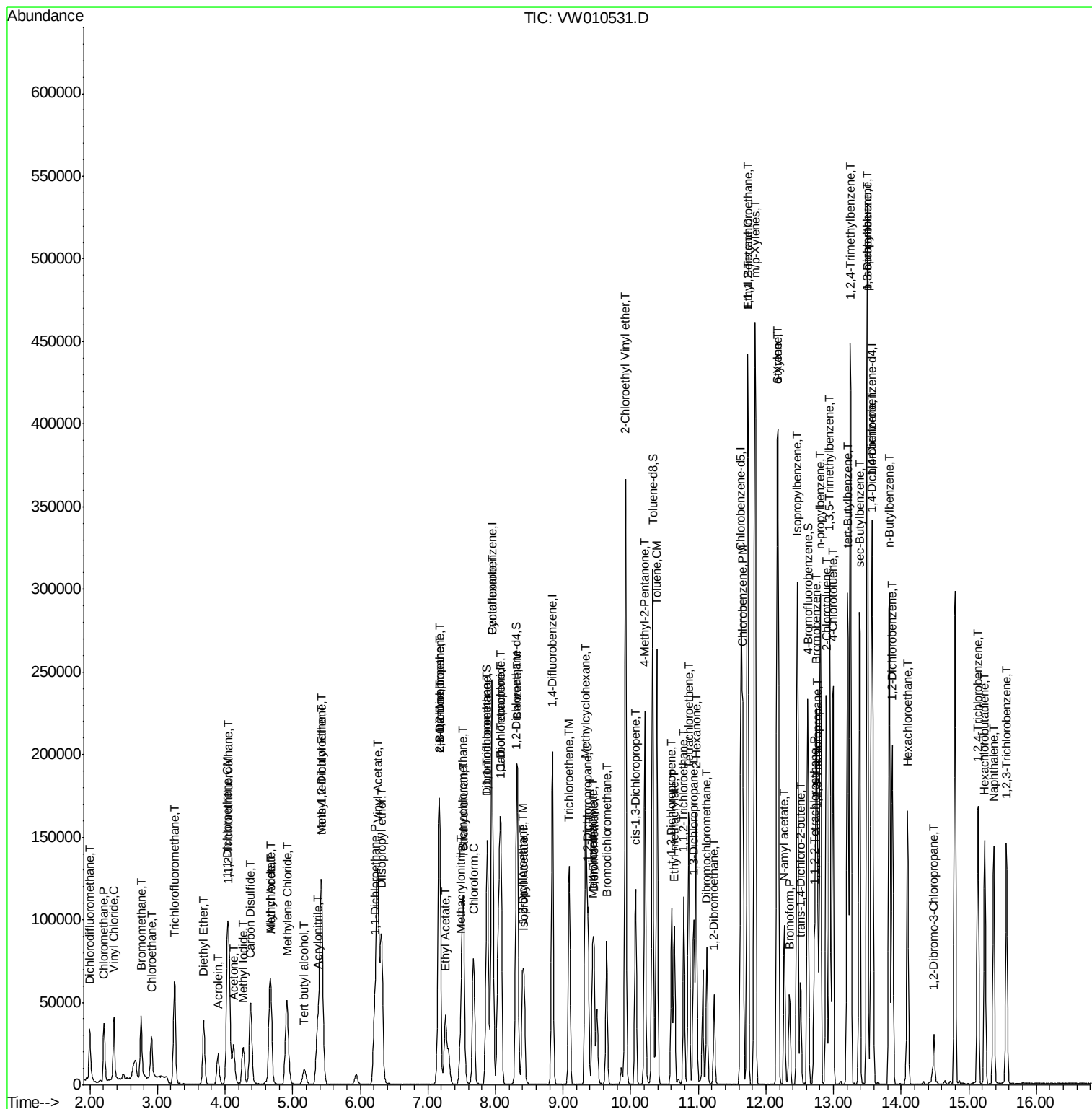
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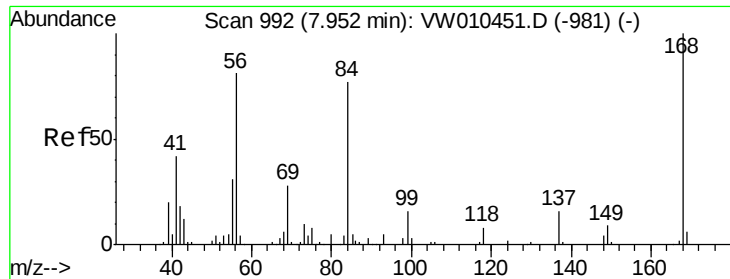
Instrument :
MSVOA_W
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW010531.D

Acq: 23 May 2019 15:48

Instrument :

MSVOA_W

ClientSampleId :

FESB-23(3-3.5)MS

Tot Ion:168 Resp: 102888

Ion Ratio Lower Upper

168 100

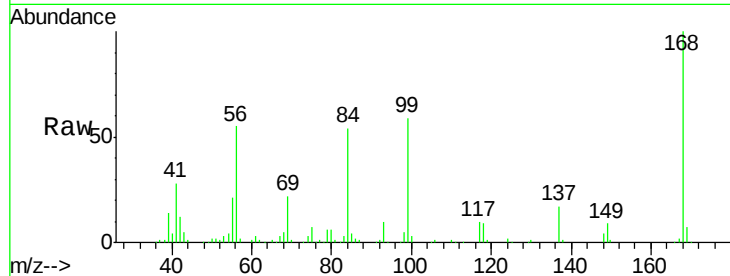
99 58.6 46.1 69.1

Manual Integrations

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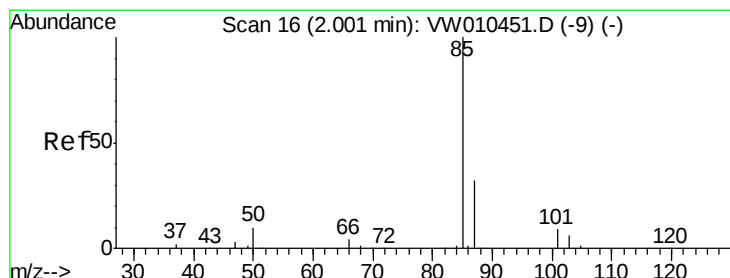
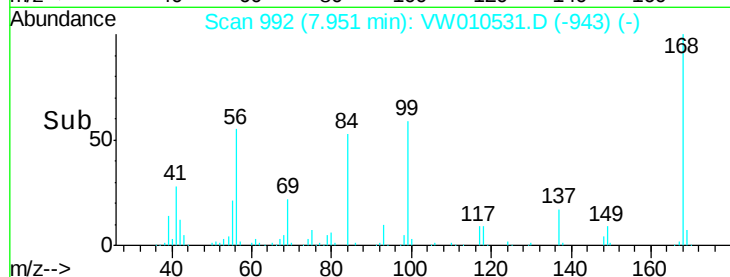
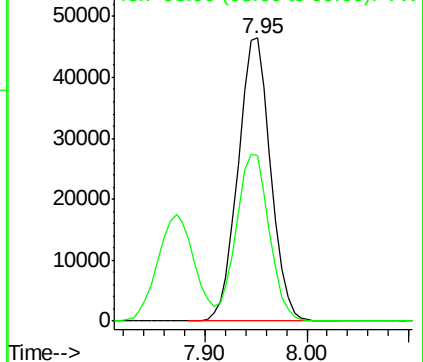
MMDadoda

5/24/2019 10:44:22 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 32.106 ug/l

RT: 1.99 min Scan# 15

Delta R.T. -0.01 min

Lab File: VW010531.D

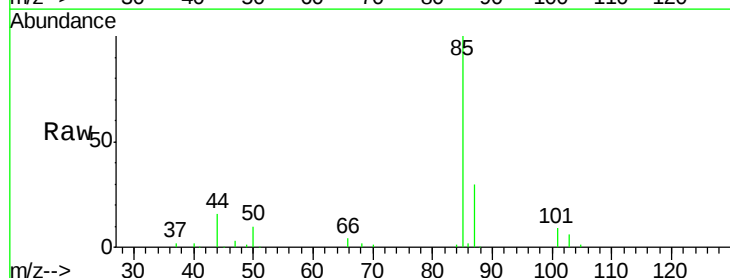
Acq: 23 May 2019 15:48

Tgt Ion: 85 Resp: 29521

Ion Ratio Lower Upper

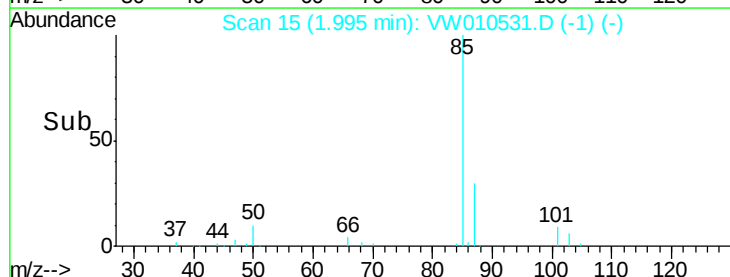
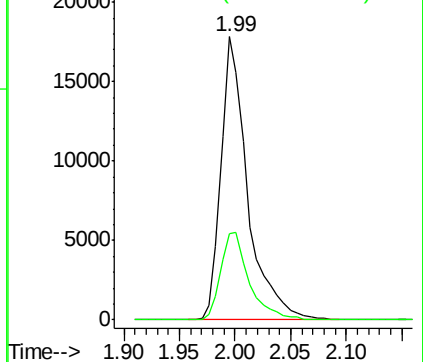
85 100

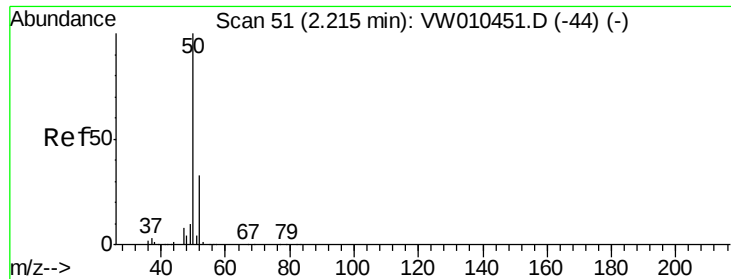
87 30.3 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 31.013 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW010531.D

Acq: 23 May 2019 15:48

Instrument :

MSVOA_W

ClientSampleId :

FESB-23(3-3.5)MS

Tot Ion: 50 Resp: 33526

Ion Ratio Lower Upper

50 100

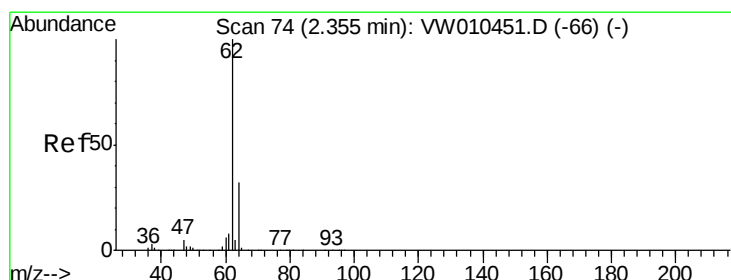
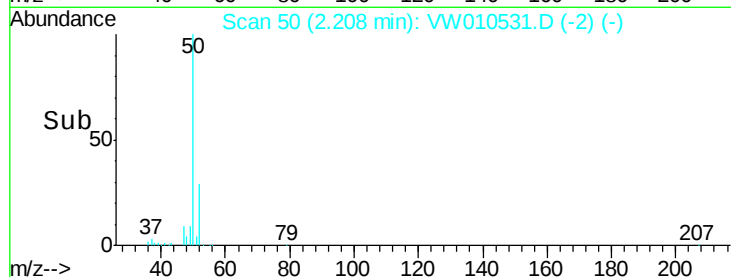
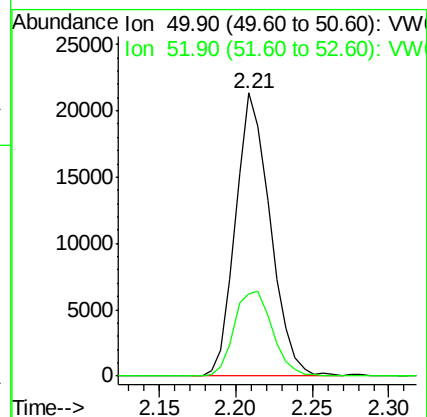
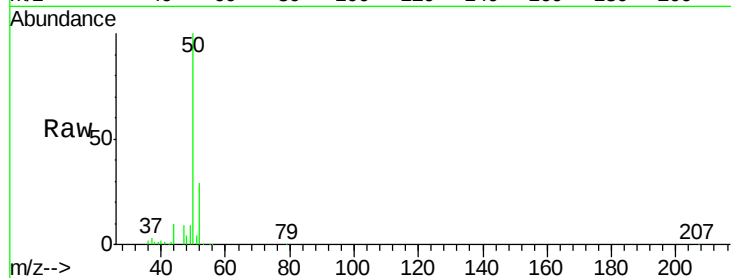
52 29.3 26.3 39.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 29.314 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.00 min

Lab File: VW010531.D

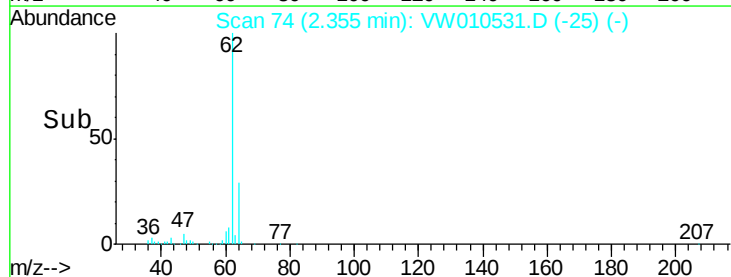
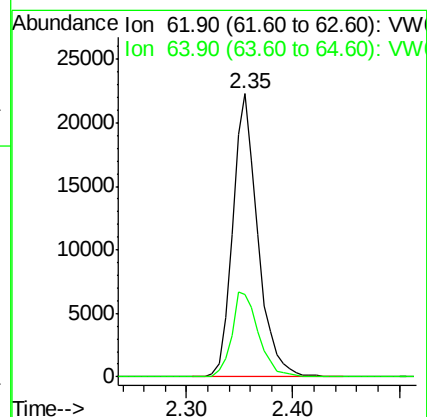
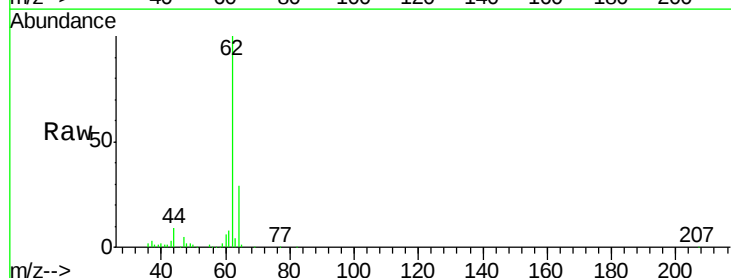
Acq: 23 May 2019 15:48

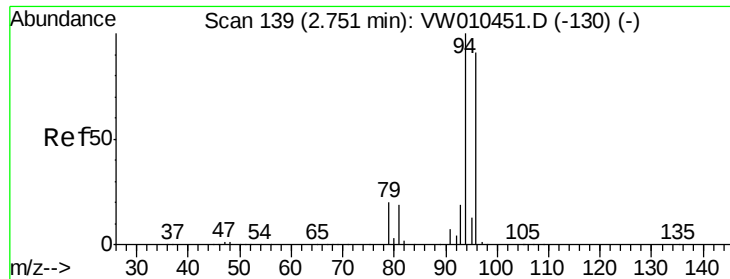
Tgt Ion: 62 Resp: 36706

Ion Ratio Lower Upper

62 100

64 29.3 25.8 38.8





#5

Bromomethane

Concen: 31.210 ug/l

RT: 2.76 min Scan# 140

Delta R.T. 0.01 min

Lab File: VW010531.D

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Tot Ion: 94 Resp: 26885

Ion Ratio Lower Upper

94 100

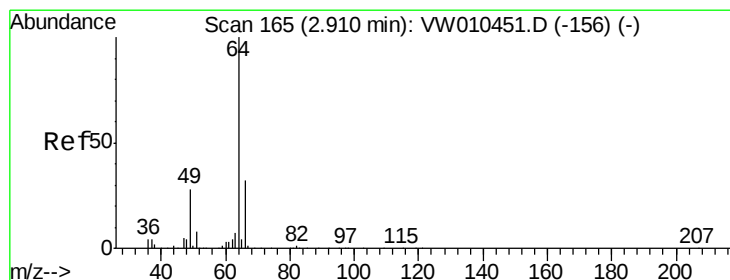
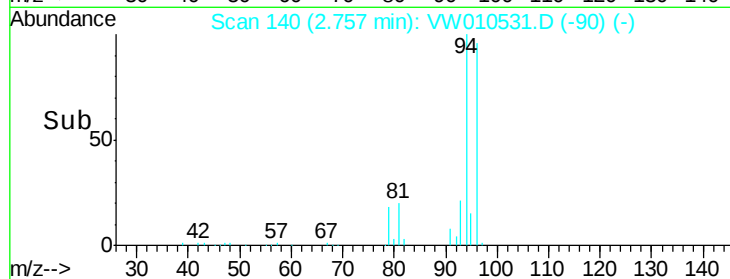
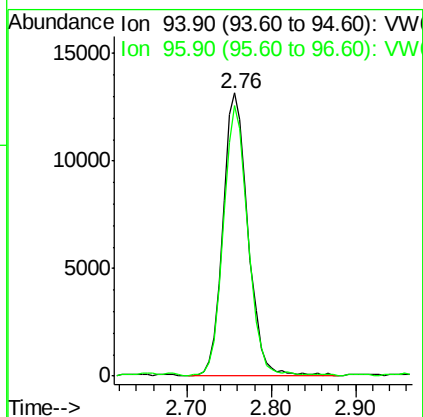
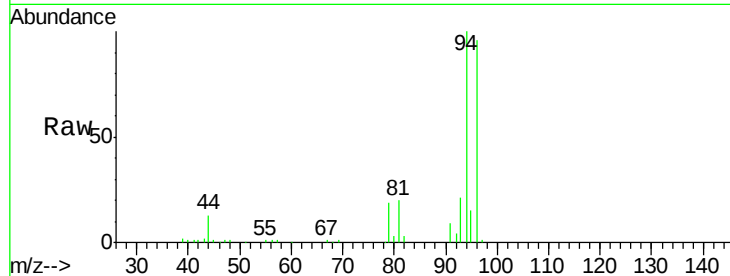
96 95.6 72.9 109.3

Manual Integrations

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#6

Chloroethane

Concen: 30.827 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.00 min

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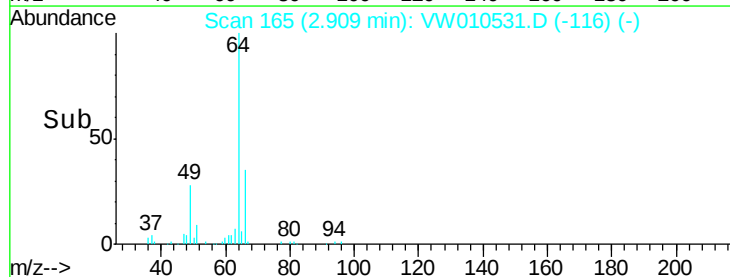
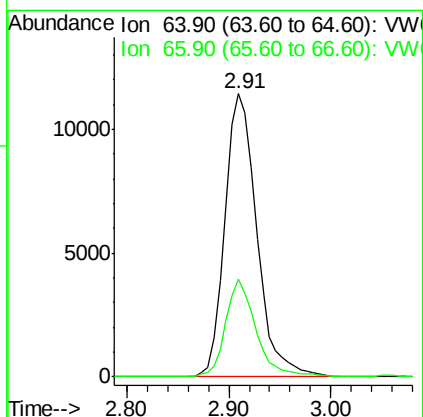
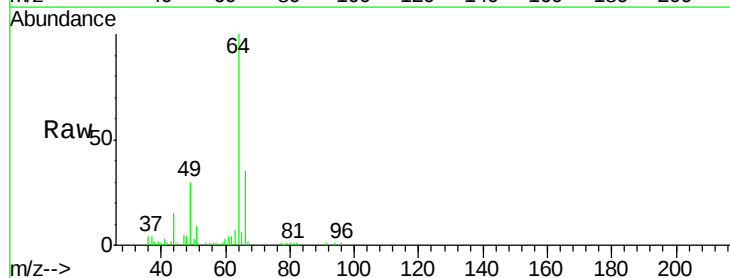
Acq: 23 May 2019 15:48

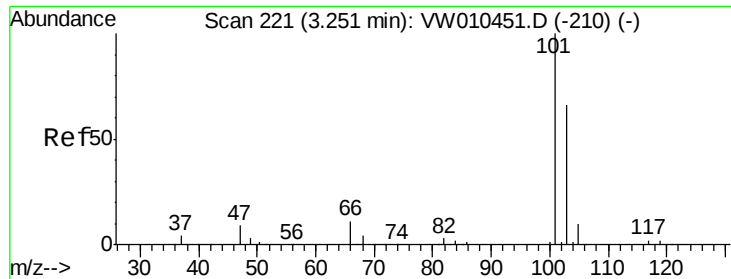
Tgt Ion: 64 Resp: 24779

Ion Ratio Lower Upper

64 100

66 34.7 25.5 38.3





#7

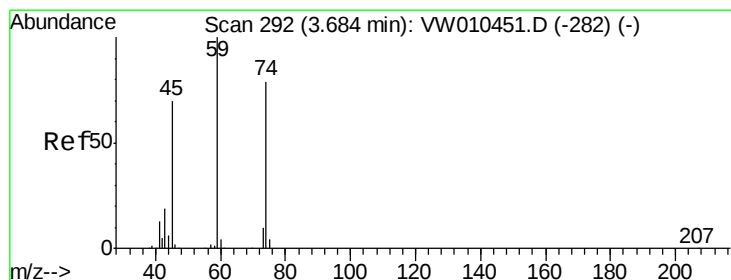
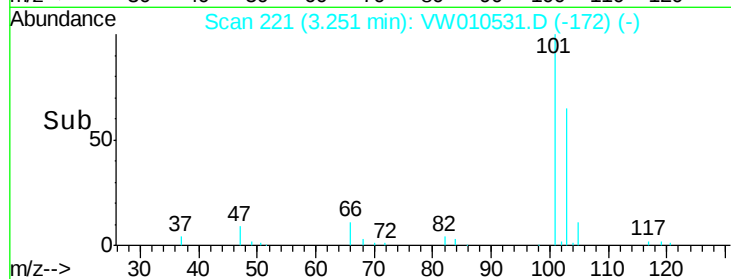
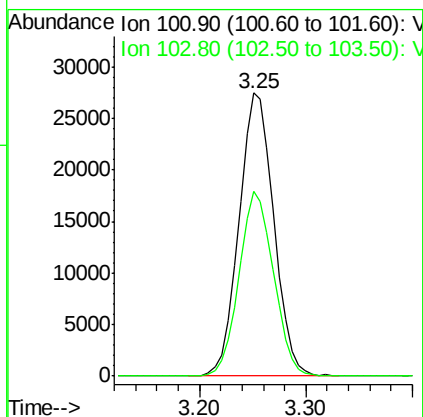
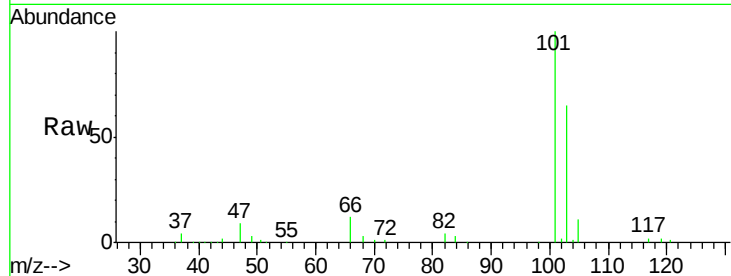
Trichlorofluoromethane
 Concen: 34.058 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.00 min
 Lab File: VW010531.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.1	53.0	79.4

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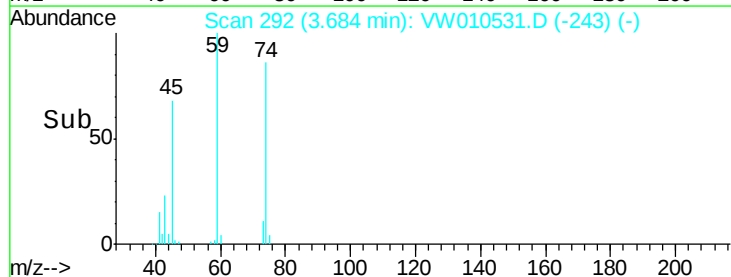
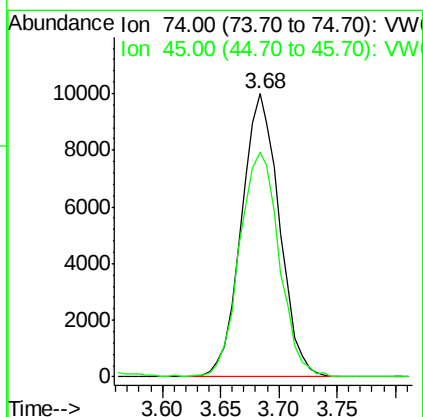
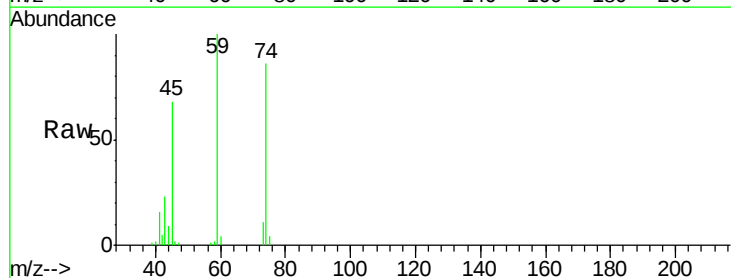
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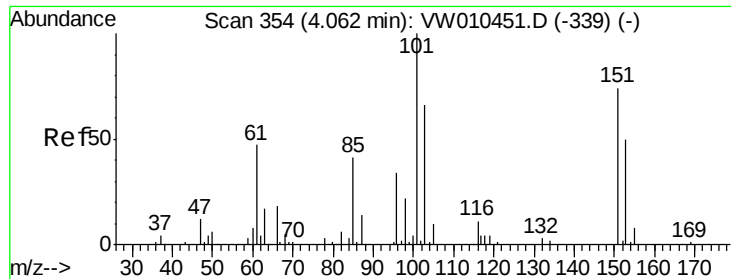


#8

Diethyl Ether
 Concen: 38.689 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. -0.00 min
 Lab File: VW010531.D
 Acq: 23 May 2019 15:48

Tgt Ion	Ratio	Lower	Upper
74	100		
45	83.4	42.9	128.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 34.136 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW010531.D

Acq: 23 May 2019 15:48

Instrument :

MSVOA_W

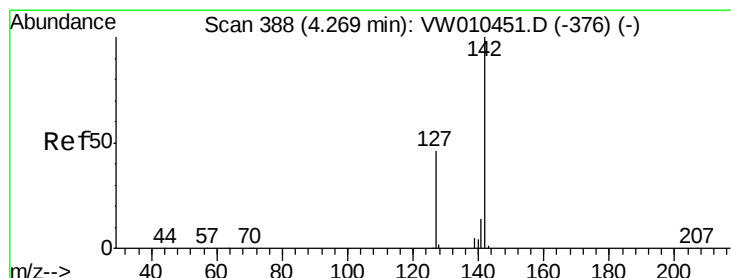
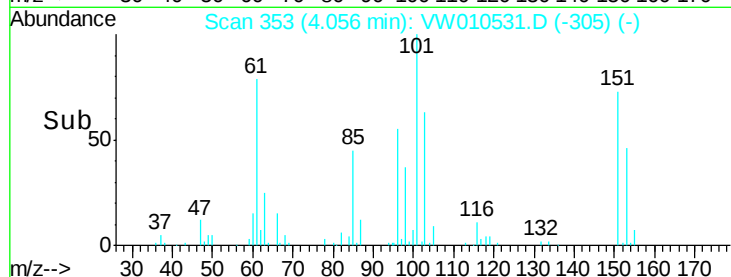
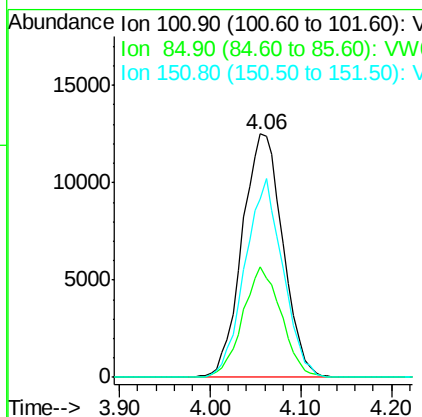
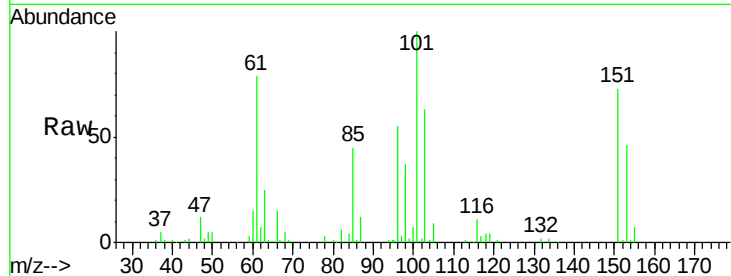
ClientSampleId :

FESB-23(3-3.5)MS

Tot Ion:	101	Resp:	38863
Ion Ratio	Lower	Upper	
101	100		
85	42.9	34.3	51.5
151	75.9	60.3	90.5

Manual Integrations
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#10

Methyl Iodide

Concen: 28.819 ug/l

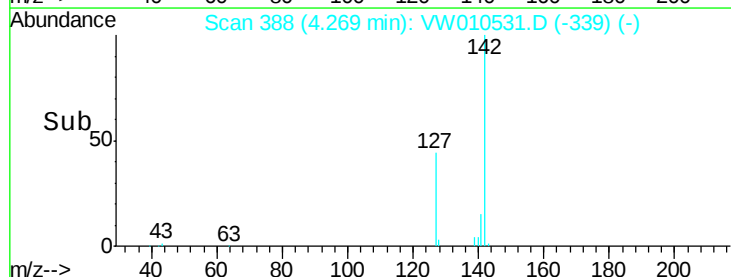
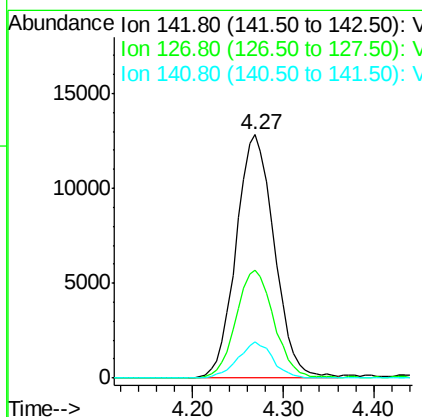
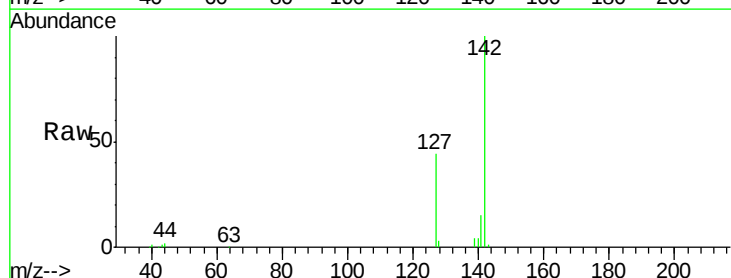
RT: 4.27 min Scan# 388

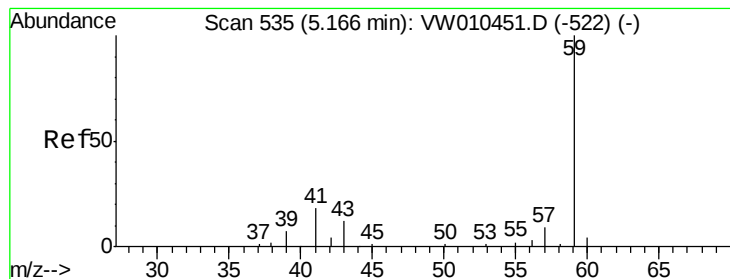
Delta R.T. -0.00 min

Lab File: VW010531.D

Acq: 23 May 2019 15:48

Tgt Ion:	142	Resp:	37501
Ion Ratio	Lower	Upper	
142	100		
127	43.6	36.1	54.1
141	13.4	11.3	16.9





#11

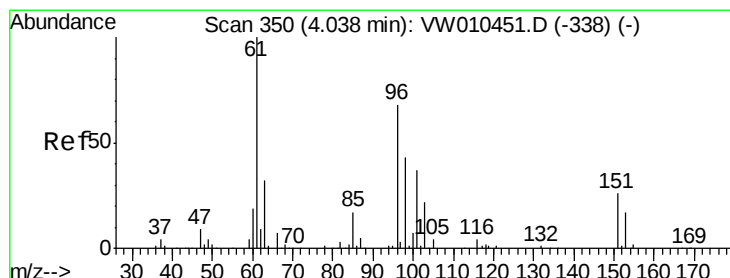
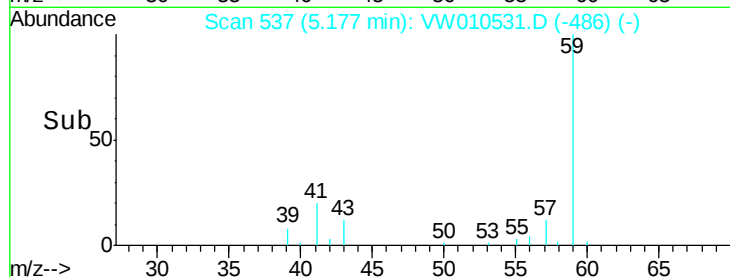
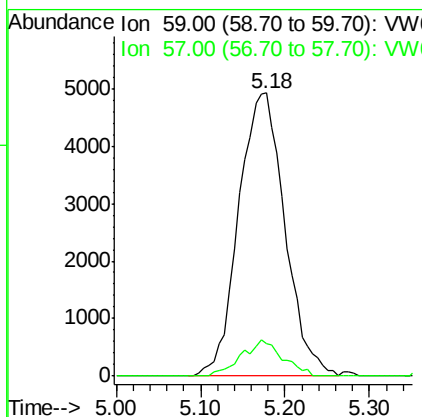
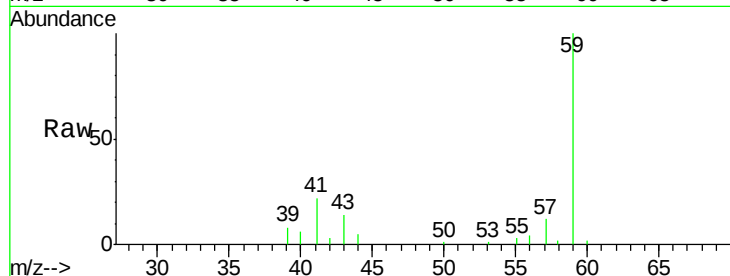
Tert butyl alcohol
 Concen: 192.035 ug/l
 RT: 5.18 min Scan# 537
 Delta R.T. 0.01 min
 Lab File: VW010531.D
 Acq: 23 May 2019 15:48

Instrument :
 MSVOA_W
 ClientSampleId :
 FESB-23(3-3.5)MS

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.4	8.8	13.2

Manual Integrations
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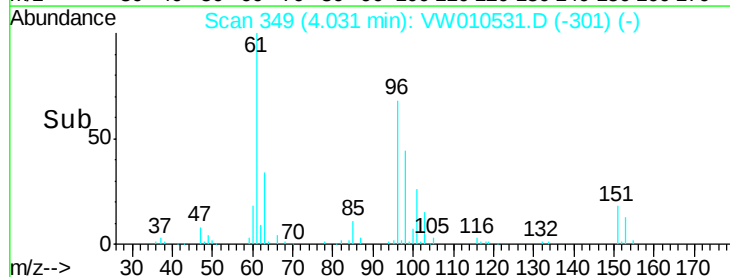
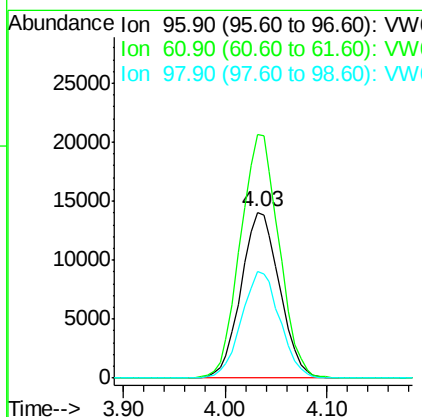
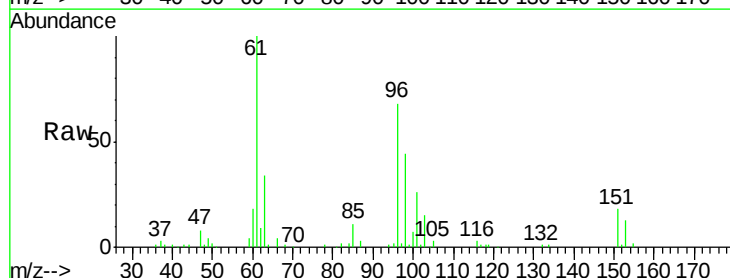
MMDadoda
 5/24/2019 10:44:22 PM

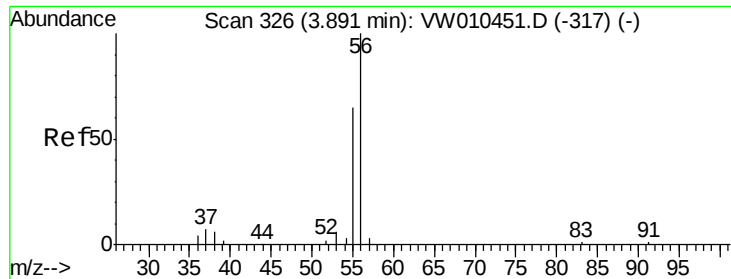


#12

1,1-Dichloroethene
 Concen: 34.033 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VW010531.D
 Acq: 23 May 2019 15:48

Tgt Ion	Ratio	Lower	Upper
96	100		
61	147.0	118.3	177.5
98	64.7	51.0	76.6





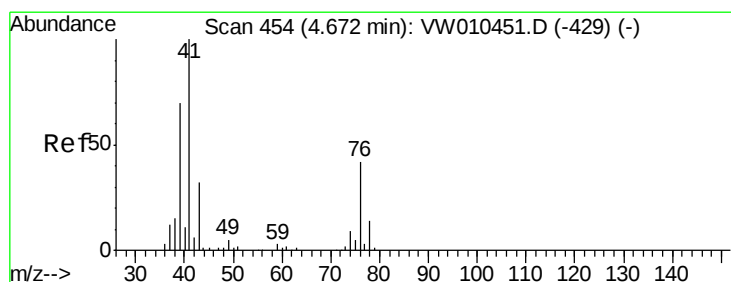
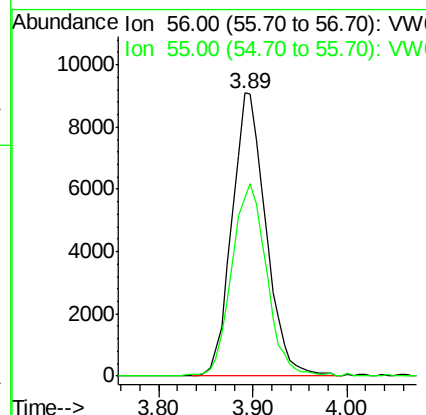
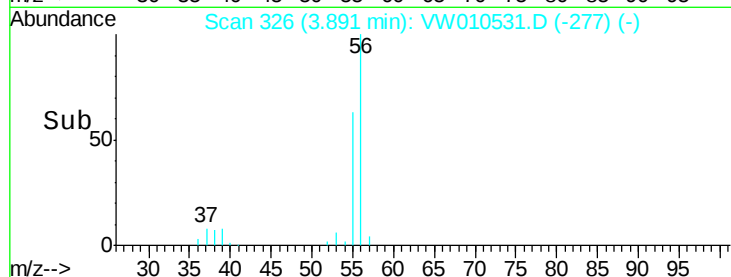
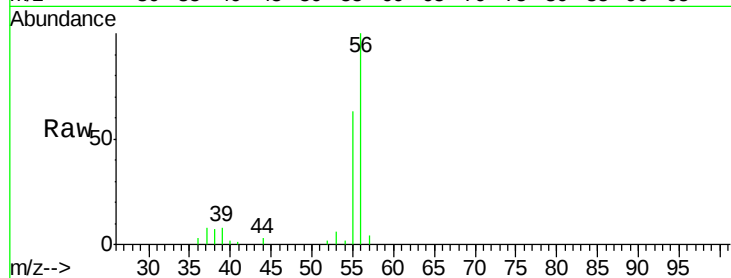
#13
 Acrolein
 Concen: 425.757 ug/l
 RT: 3.89 min Scan# 326
 Delta R.T. -0.00 min
 Lab File: VW010531.D
 Acq: 23 May 2019 15:48

Instrument :
 MSVOA_W
 ClientSampleId :
 FESB-23(3-3.5)MS

Tot Ion	Ion	Ratio	Lower	Upper
56	56	100		
55	55	69.9	57.9	86.9

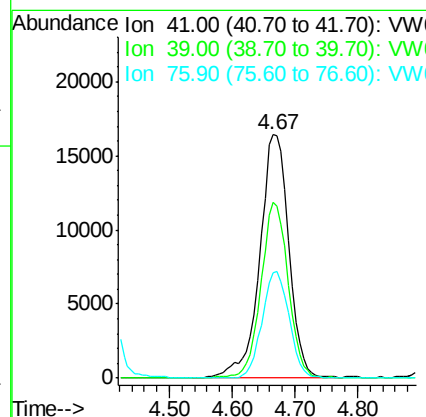
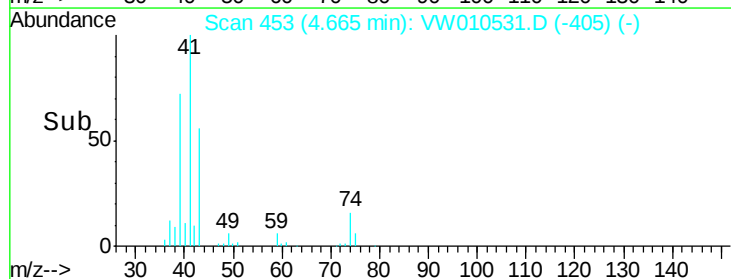
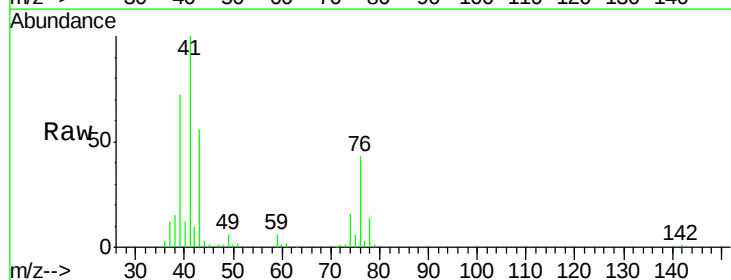
Manual Integrations
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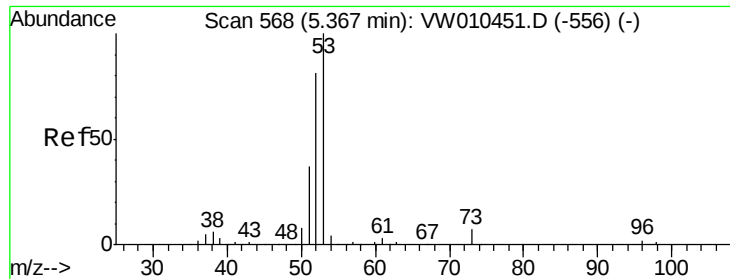
MMDadoda
 5/24/2019 10:44:22 PM



#14
 Allyl chloride
 Concen: 33.623 ug/l
 RT: 4.67 min Scan# 453
 Delta R.T. -0.01 min
 Lab File: VW010531.D
 Acq: 23 May 2019 15:48

Tgt Ion	Ion	Ratio	Lower	Upper
41	41	100		
39	39	67.4	55.0	82.4
76	76	40.4	32.8	49.2





#15

Acrylonitrile

Concen: 198.218 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW010531.D

Acq: 23 May 2019 15:48

Instrument :

MSVOA_W

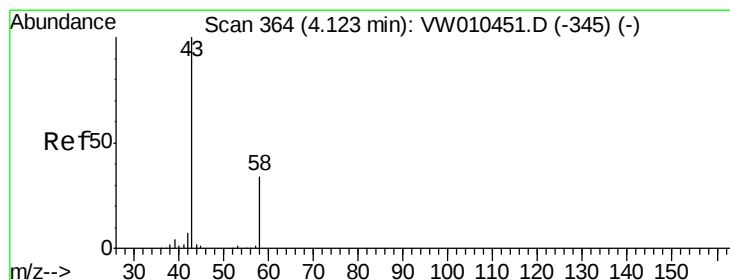
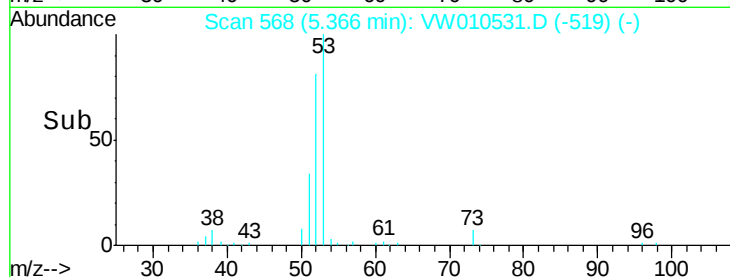
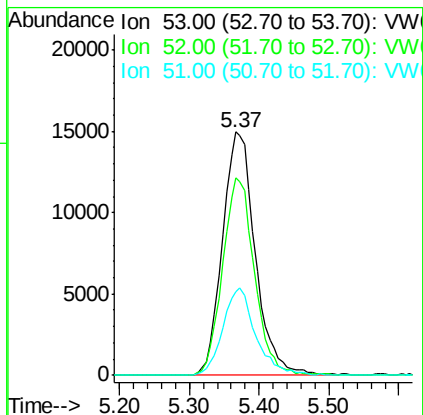
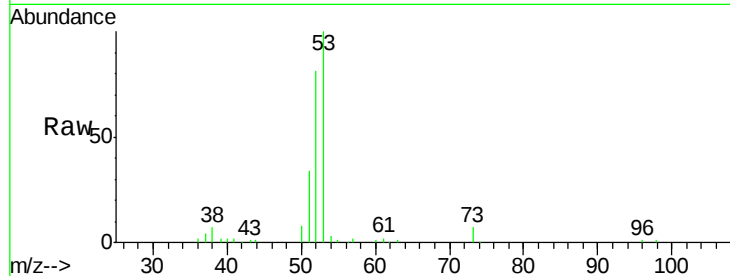
ClientSampleId :

FESB-23(3-3.5)MS

Tot Ion:	53	Resp:	48647
Ion Ratio	Lower	Upper	
53	100		
52	79.1	65.6	98.4
51	35.9	29.5	44.3

Manual Integrations
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#16

Acetone

Concen: 189.945 ug/l

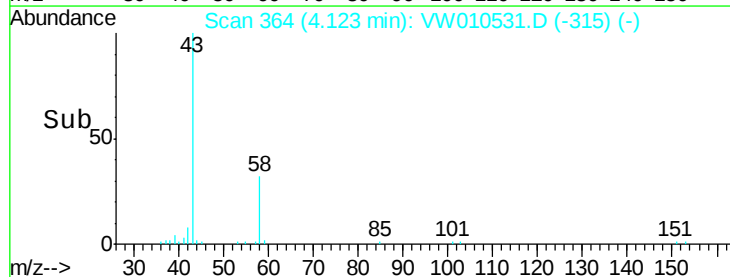
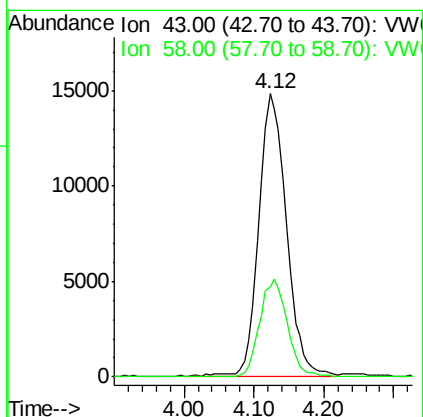
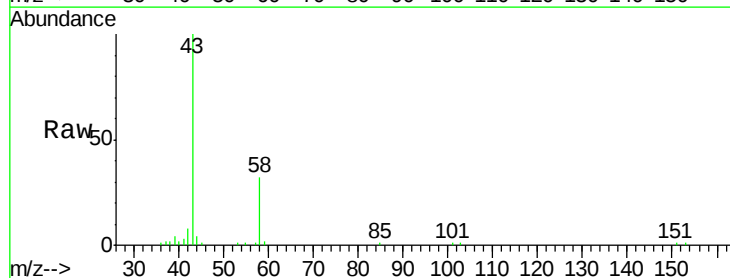
RT: 4.12 min Scan# 364

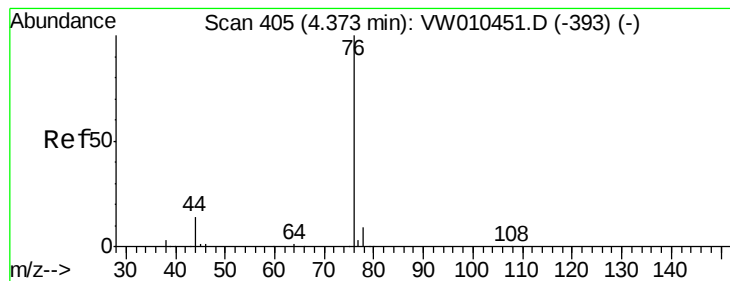
Delta R.T. -0.00 min

Lab File: VW010531.D

Acq: 23 May 2019 15:48

Tgt Ion:	43	Resp:	41175
Ion Ratio	Lower	Upper	
43	100		
58	31.8	27.0	40.4





#17

Carbon Disulfide

Concen: 32.242 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.01 min

Lab File: VW010531.D

Acq: 23 May 2019 15:48

Instrument :

MSVOA_W

ClientSampleId :

FESB-23(3-3.5)MS

Tot Ion: 76 Resp: 104512

Ion Ratio Lower Upper

76 100

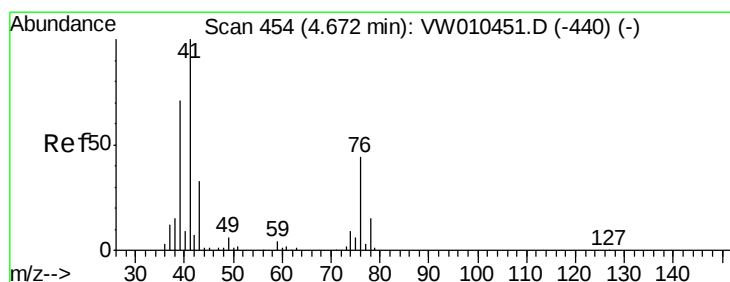
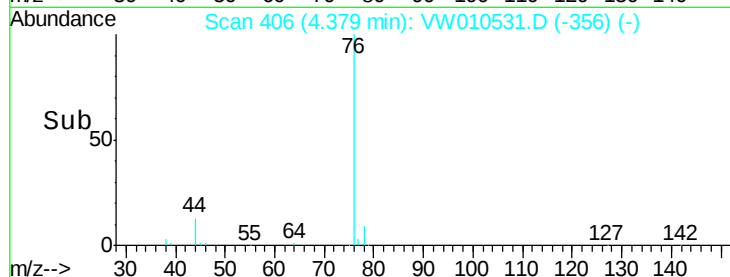
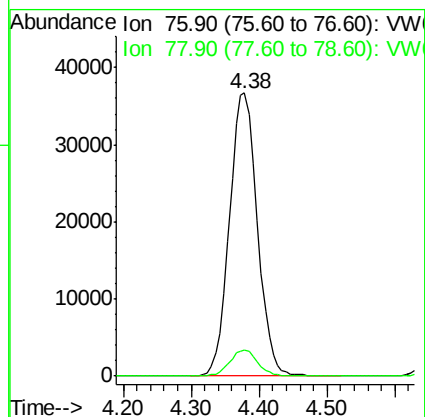
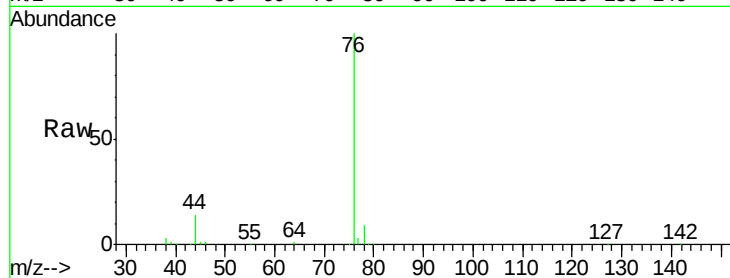
78 9.4 7.1 10.7

Manual Integrations

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#18

Methyl Acetate

Concen: 57.439 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.00 min

Lab File: VW010531.D

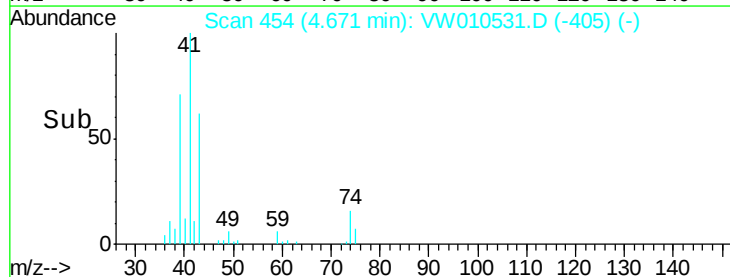
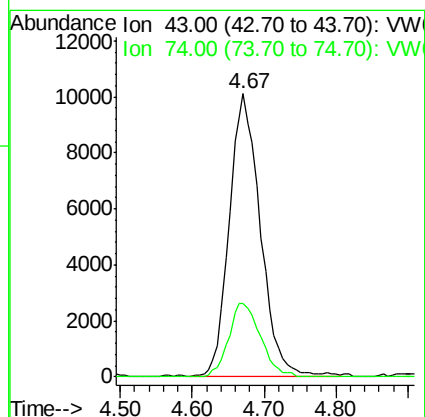
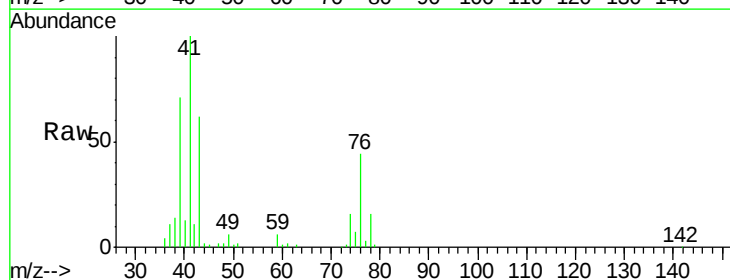
Acq: 23 May 2019 15:48

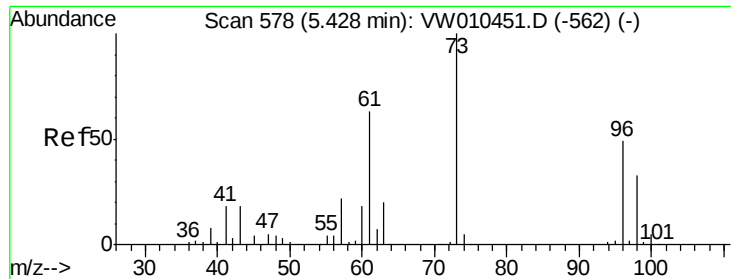
Tgt Ion: 43 Resp: 30452

Ion Ratio Lower Upper

43 100

74 26.5 21.6 32.4





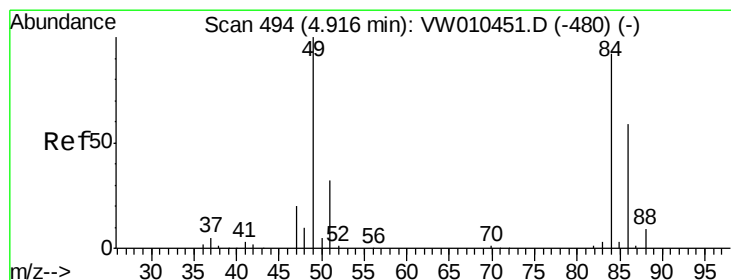
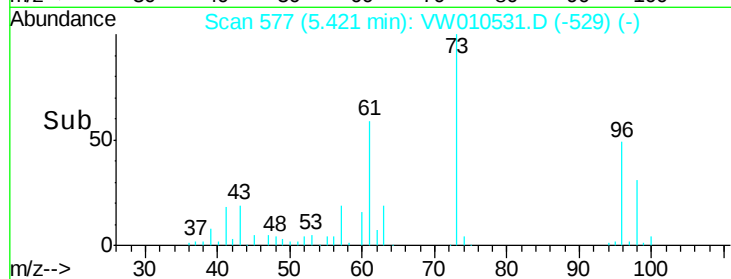
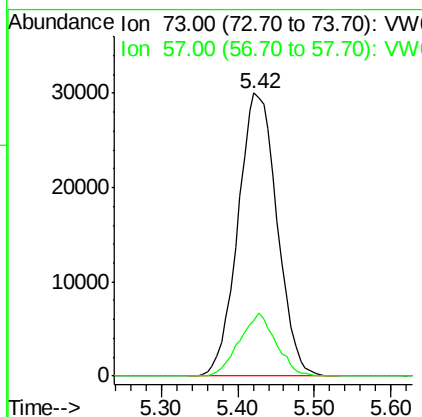
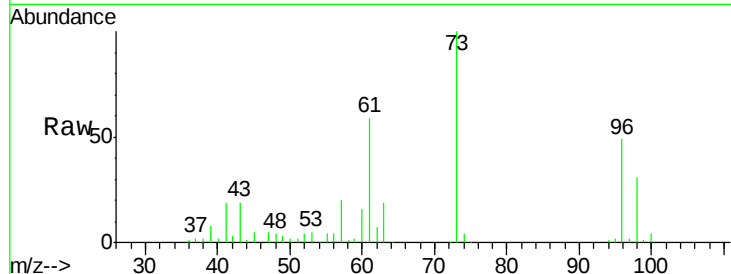
#19
Methvl tert-butvl Ether
Concen: 38.473 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW010531.D
Acq: 23 May 2019 15:48

Instrument :
MSVOA_W
ClientSampleId :
FESB-23(3-3.5)MS

Tot Ion: 73 Resp: 106589
Ion Ratio Lower Upper
73 100
57 19.6 17.4 26.0

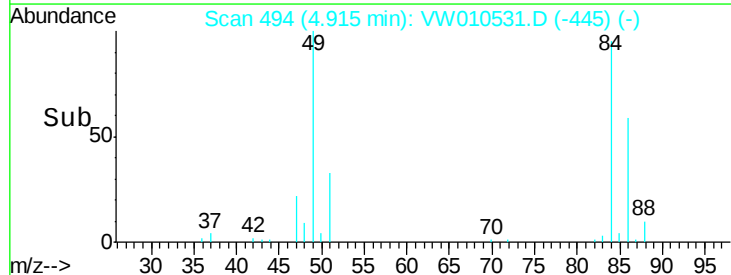
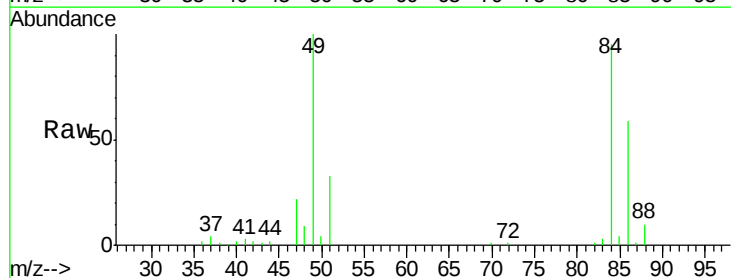
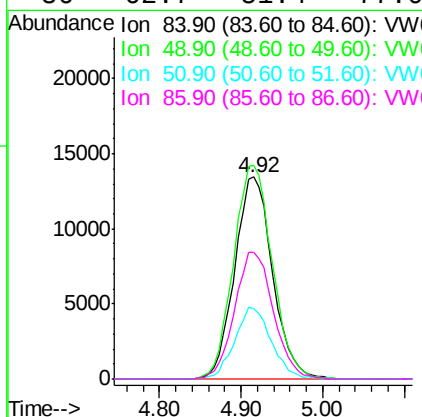
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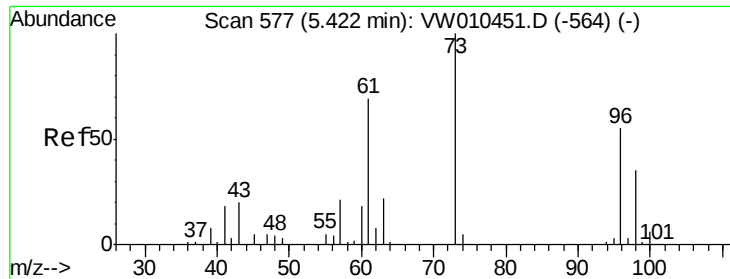
MMDadoda
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#20
Methylene Chloride
Concen: 32.322 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW010531.D
Acq: 23 May 2019 15:48

Tgt Ion: 84 Resp: 43392
Ion Ratio Lower Upper
84 100
49 105.7 87.2 130.8
51 34.7 27.7 41.5
86 62.7 51.4 77.0





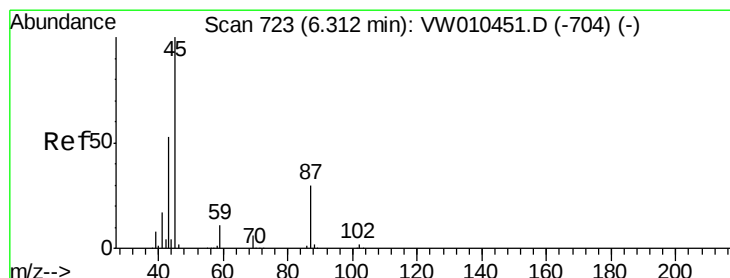
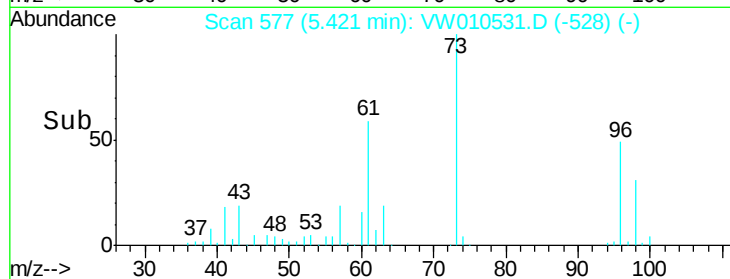
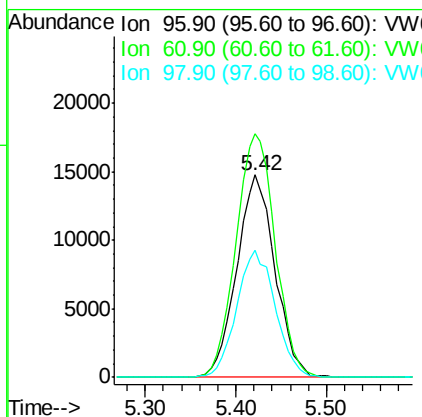
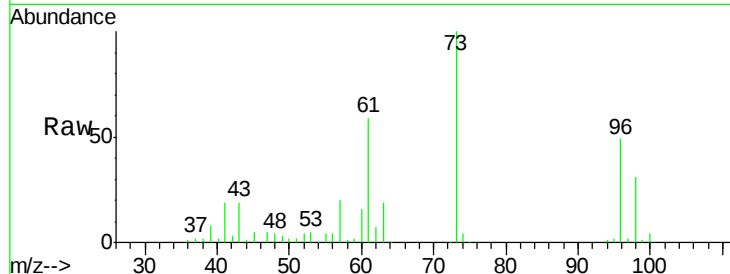
#21
trans-1,2-Dichloroethene
Concen: 34.513 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW010531.D
Acq: 23 May 2019 15:48

Instrument :
MSVOA_W
ClientSampleId :
FESB-23(3-3.5)MS

Tot Ion	Ratio	Lower	Upper
96	100		
61	120.3	101.4	152.0
98	63.1	50.6	76.0

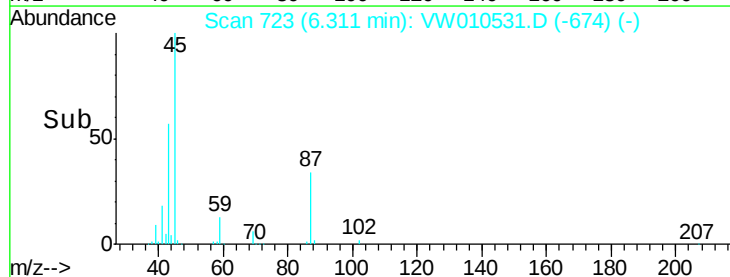
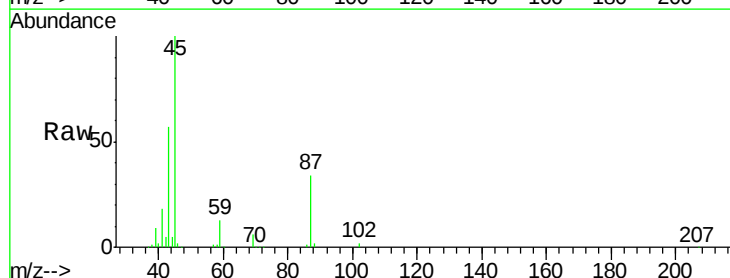
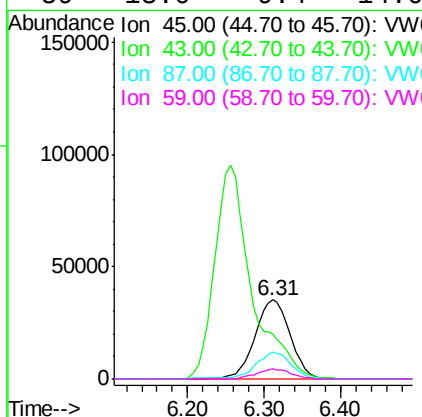
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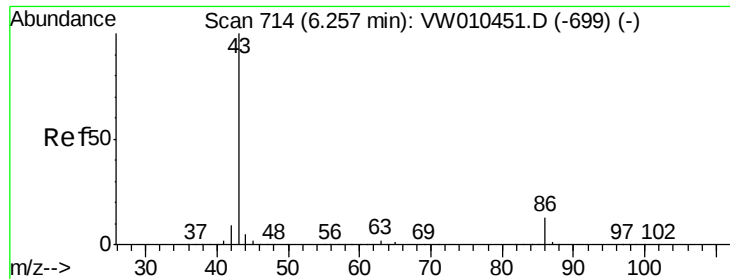
MMDadoda
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#22
Diisopropyl ether
Concen: 35.120 ug/l
RT: 6.31 min Scan# 723
Delta R.T. -0.00 min
Lab File: VW010531.D
Acq: 23 May 2019 15:48

Tgt Ion	Ratio	Lower	Upper
45	100		
43	56.5	42.9	64.3
87	33.7	24.6	36.8
59	13.0	9.4	14.0





#23

Vinyl Acetate

Concen: 165.385 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.00 min

Lab File: VW010531.D

Acq: 23 May 2019 15:48

Instrument :

MSVOA_W

ClientSampleId :

FESB-23(3-3.5)MS

Tot Ion: 43 Resp: 318660

Ion Ratio Lower Upper

43 100

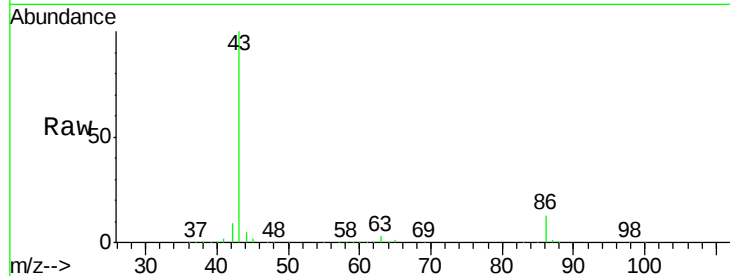
86 12.6 10.3 15.5

Manual Integrations

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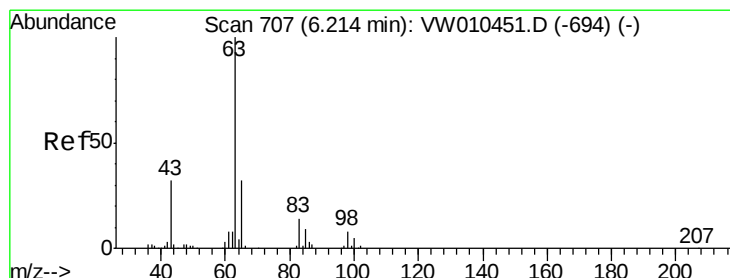
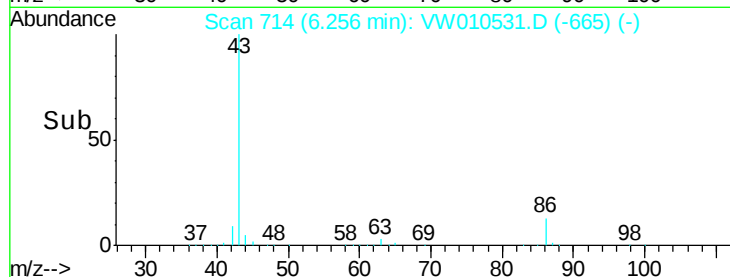
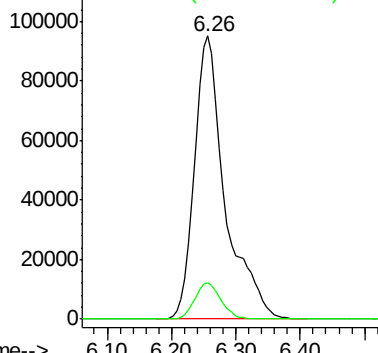
MMDadoda

5/24/2019 10:44:22 PM



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 34.616 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW010531.D

Acq: 23 May 2019 15:48

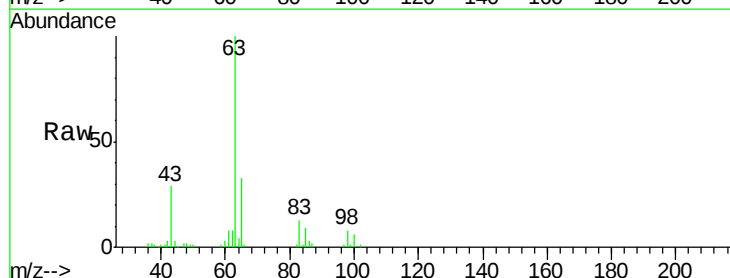
Tgt Ion: 63 Resp: 66632

Ion Ratio Lower Upper

63 100

98 8.3 3.8 11.2

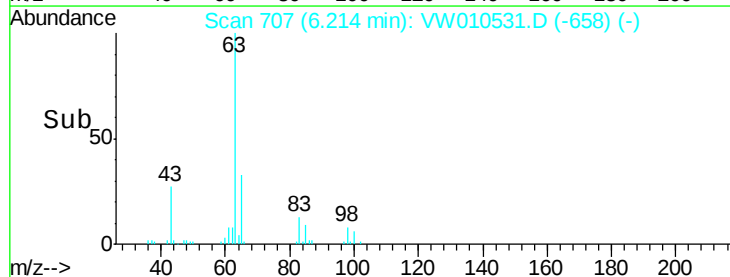
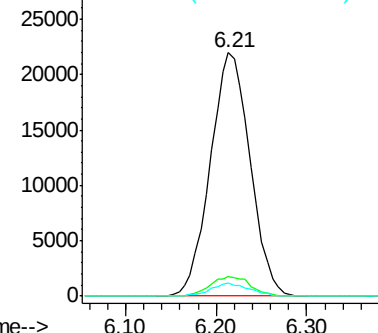
100 5.6 2.5 7.4

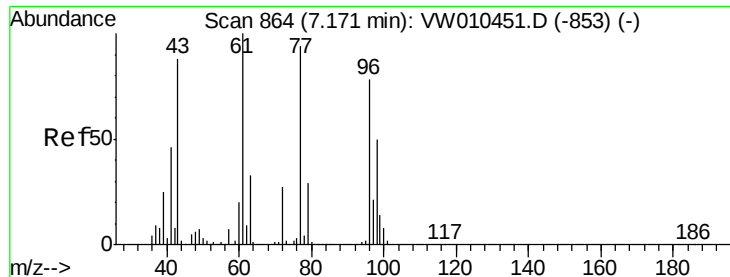


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 197.074 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW010531.D

Acq: 23 May 2019 15:48

Instrument :

MSVOA_W

ClientSampleId :

FESB-23(3-3.5)MS

Tot Ion: 43 Resp: 61137

Ion Ratio Lower Upper

43 100

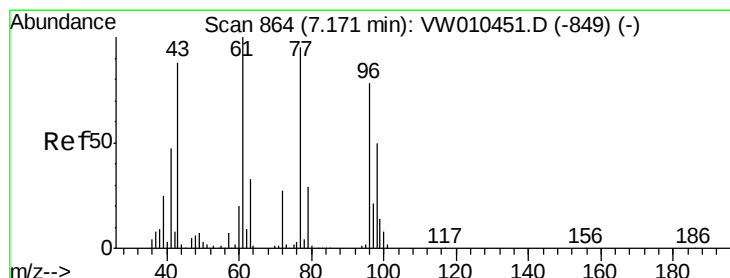
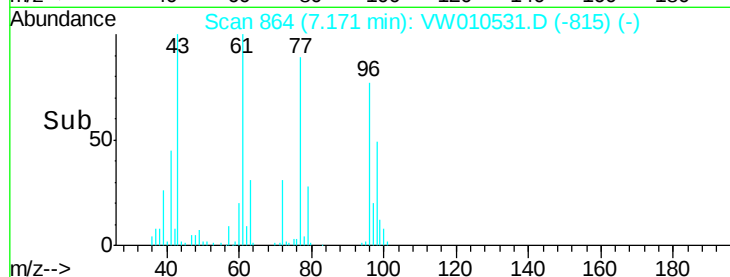
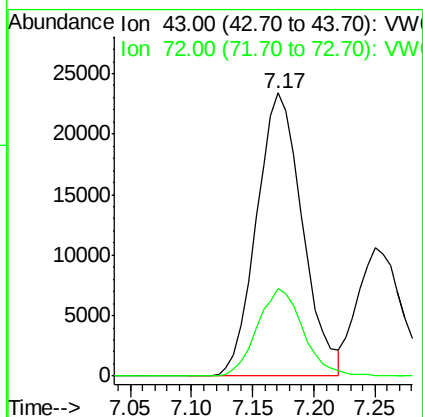
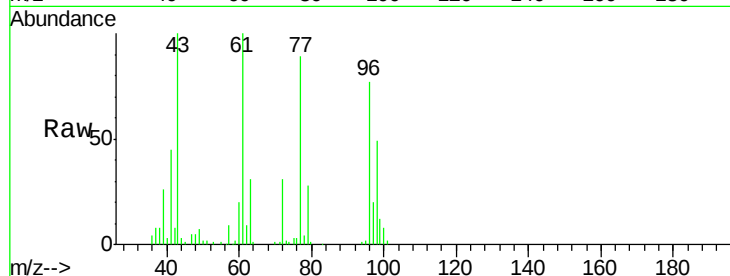
72 30.8 24.1 36.1

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#26

2,2-Dichloropropane

Concen: 33.950 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW010531.D

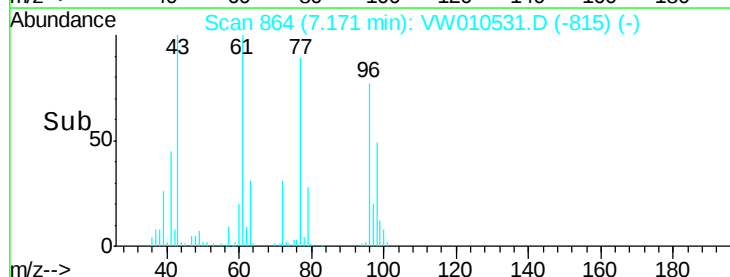
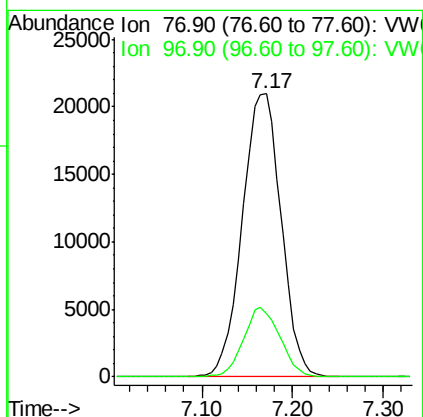
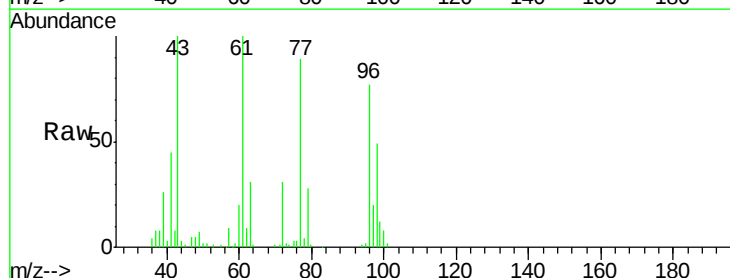
Acq: 23 May 2019 15:48

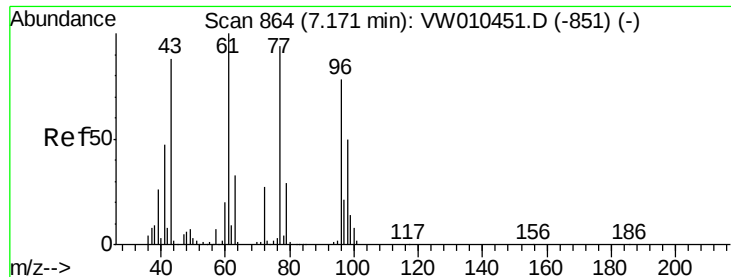
Tgt Ion: 77 Resp: 62249

Ion Ratio Lower Upper

77 100

97 23.1 11.7 35.0





#27

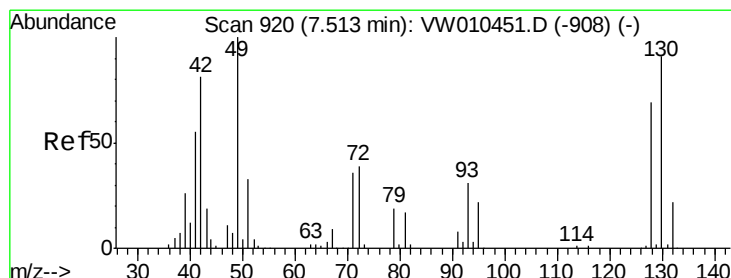
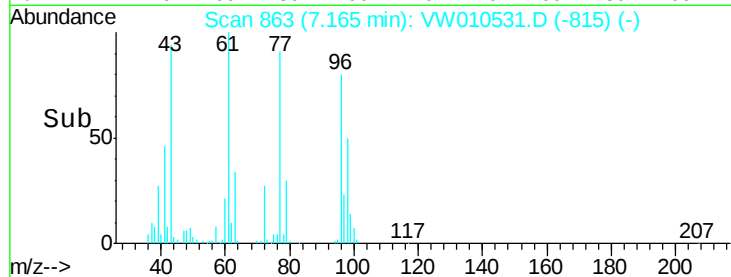
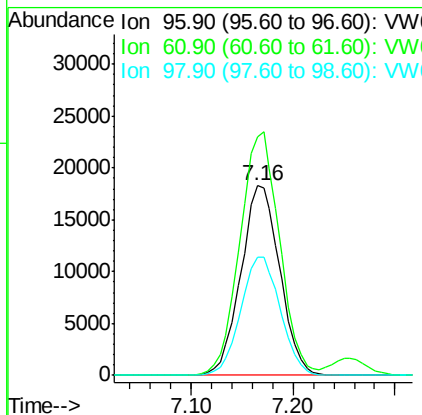
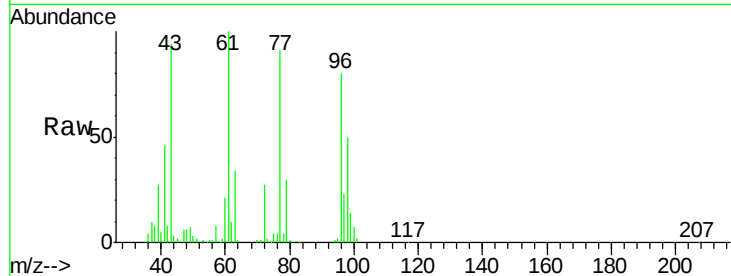
cis-1,2-Dichloroethene
 Concen: 35.856 ug/l
 RT: 7.16 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW010531.D
 Acq: 23 May 2019 15:48

Instrument :
 MSVOA_W
 ClientSampleId :
 FESB-23(3-3.5)MS

Tot Ion	Ratio	Lower	Upper
96	100		
61	130.4	0.0	265.4
98	63.2	0.0	129.4

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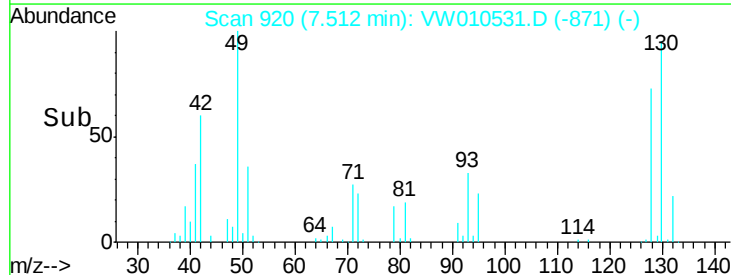
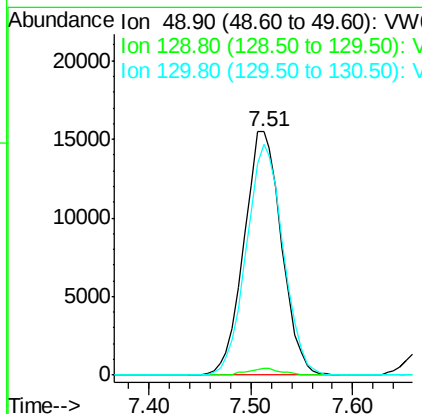
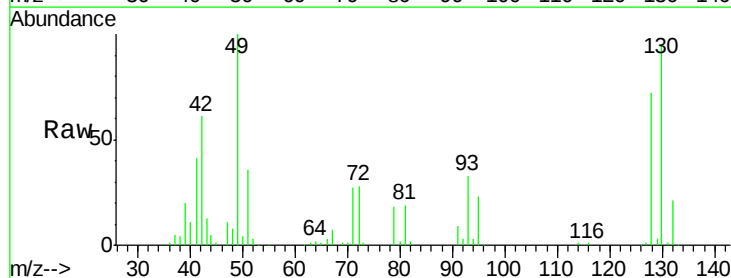
MMDadoda
 5/24/2019 10:44:22 PM

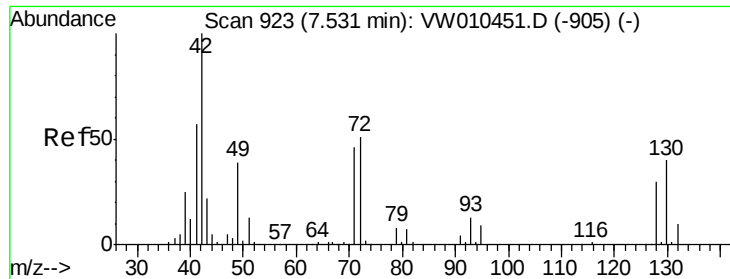


#28

Bromochloromethane
 Concen: 57.347 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VW010531.D
 Acq: 23 May 2019 15:48

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	4.8
130	93.1	71.2	106.8





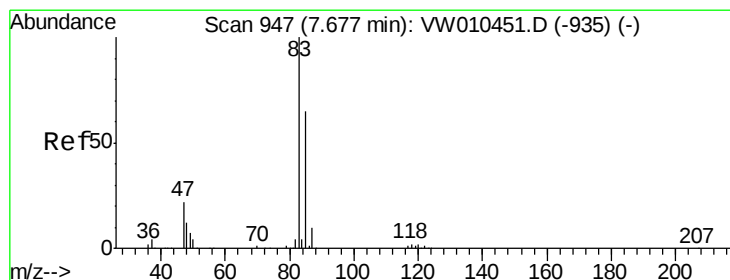
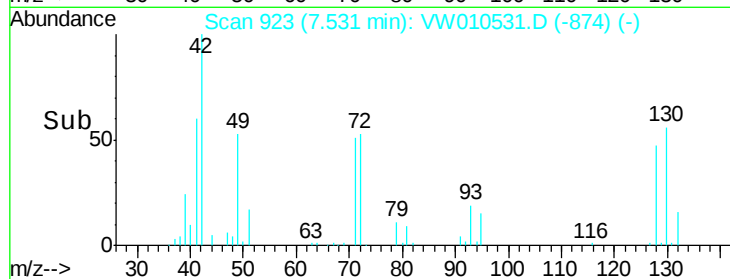
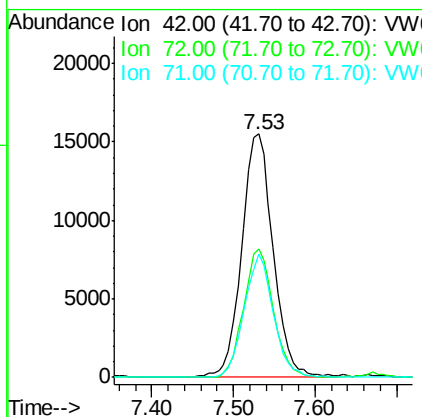
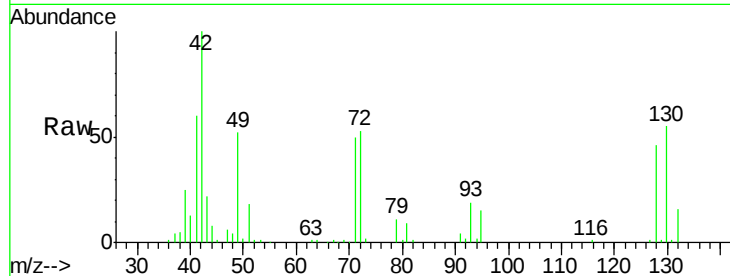
#29
Tetrahydrofuran
Concen: 198.037 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW010531.D
Acq: 23 May 2019 15:48

Instrument :
MSVOA_W
ClientSampleId :
FESB-23(3-3.5)MS

Tot Ion	Ratio	Lower	Upper
42	100		
72	50.1	38.5	57.7
71	47.0	36.5	54.7

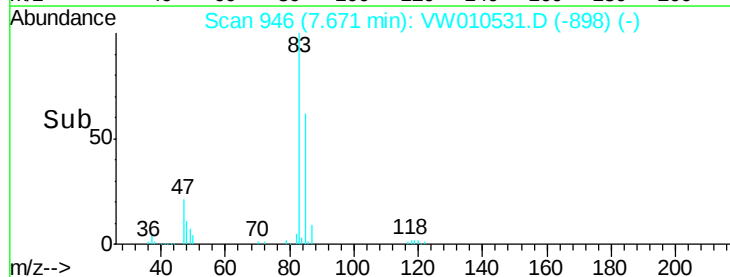
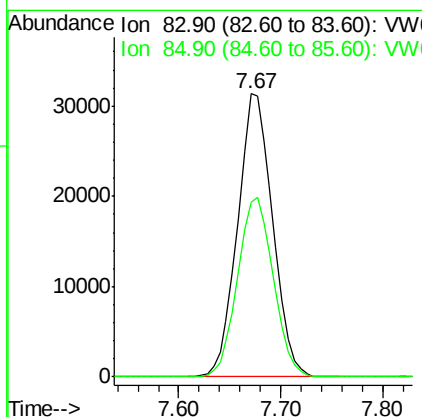
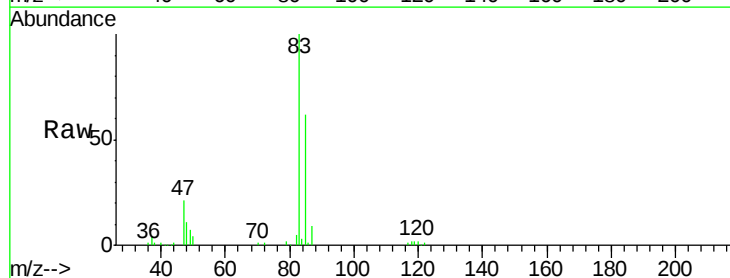
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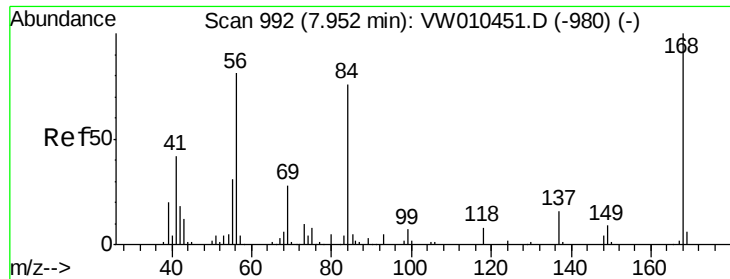
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#30
Chloroform
Concen: 36.058 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW010531.D
Acq: 23 May 2019 15:48

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.8	52.2	78.4





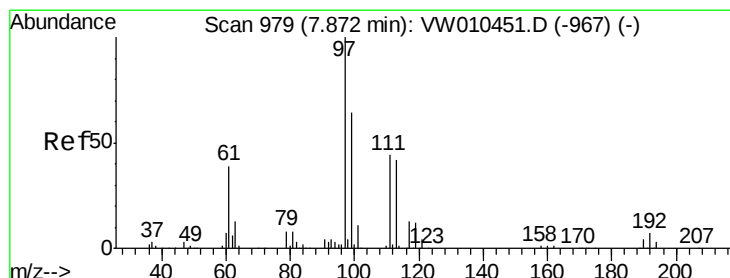
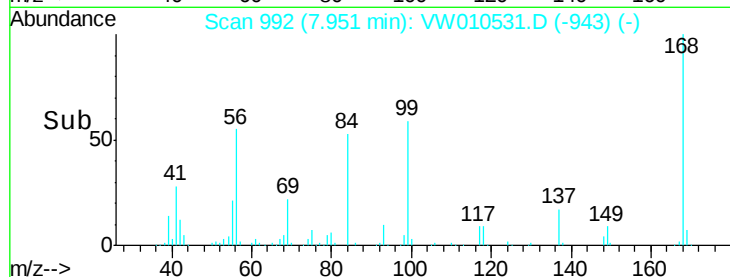
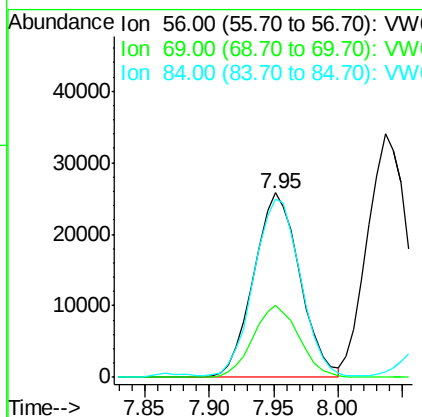
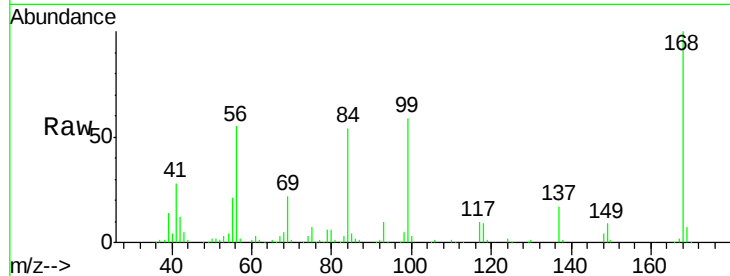
#31
Cyclohexane
Concen: 31.807 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW010531.D
Acq: 23 May 2019 15:48

Instrument :
MSVOA_W
ClientSampleId :
FESB-23(3-3.5)MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
56	100		64132		
69	39.3	28.2	42.2		
84	95.4	75.8	113.8		

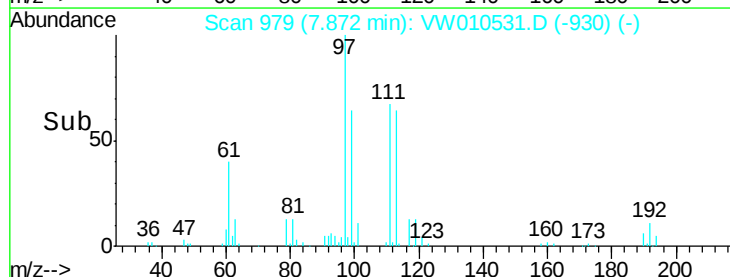
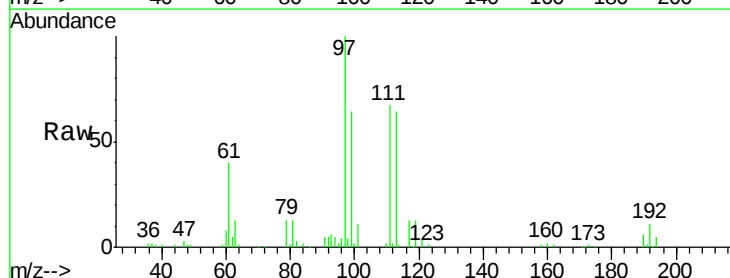
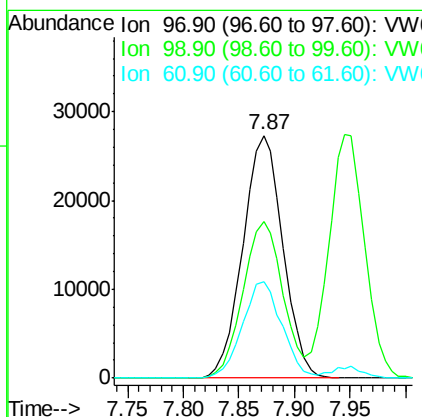
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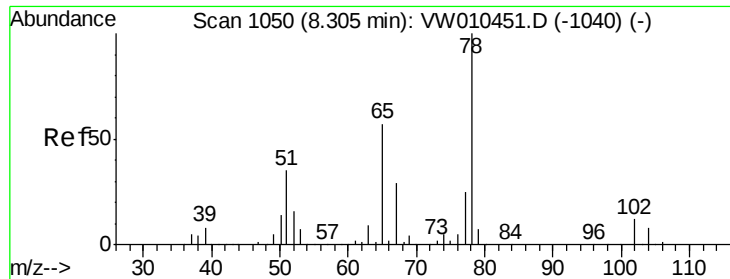
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#32
1,1,1-Trichloroethane
Concen: 34.427 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW010531.D
Acq: 23 May 2019 15:48

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
97	100		68319		
99	64.5	50.8	76.2		
61	39.3	32.1	48.1		





#33

1,2-Dichloroethane-d4

Concen: 53.912 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW010531.D

Acq: 23 May 2019 15:48

Instrument :

MSVOA_W

ClientSampleId :

FESB-23(3-3.5)MS

Tot Ion: 65 Resp: 57253

Ion Ratio Lower Upper

65 100

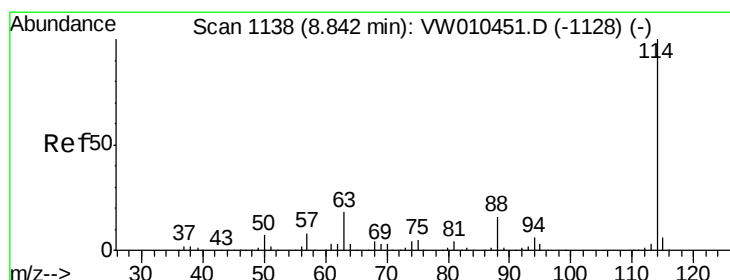
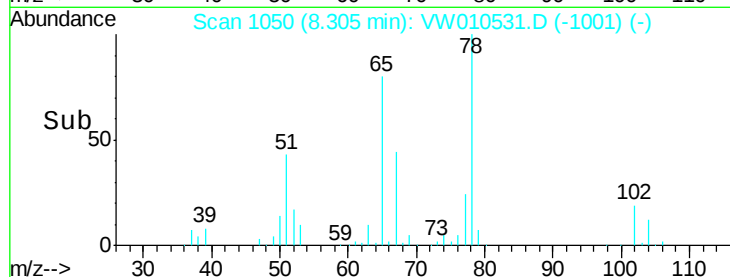
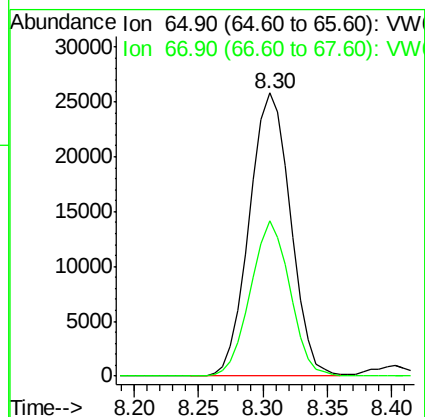
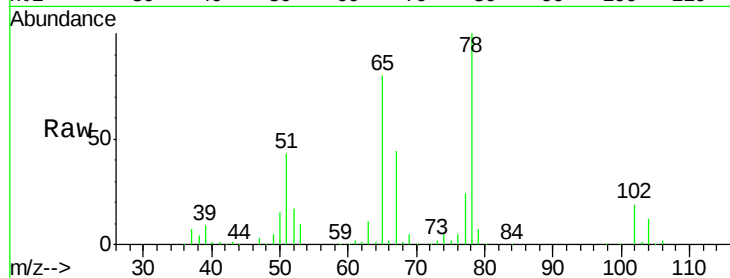
67 52.5 0.0 103.6

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW010531.D

Acq: 23 May 2019 15:48

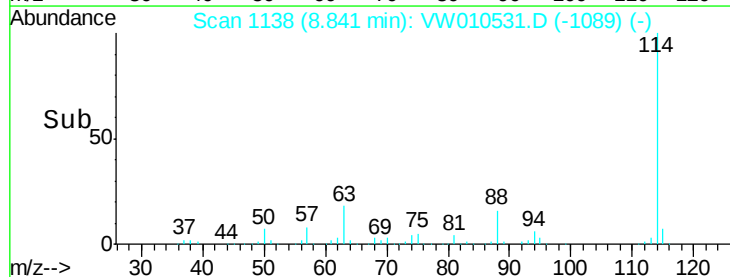
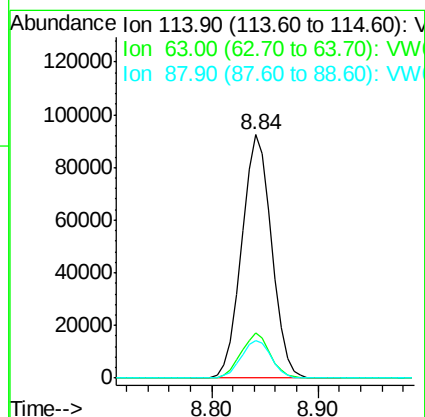
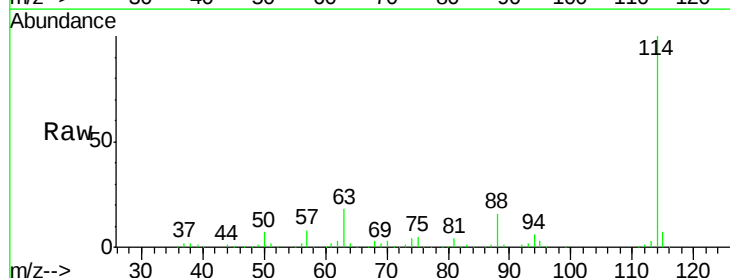
Tgt Ion: 114 Resp: 182056

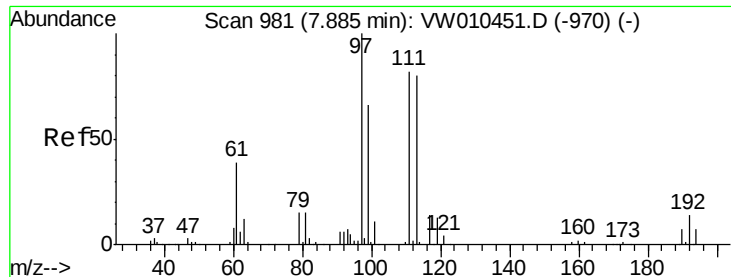
Ion Ratio Lower Upper

114 100

63 18.3 0.0 36.0

88 15.6 0.0 32.0





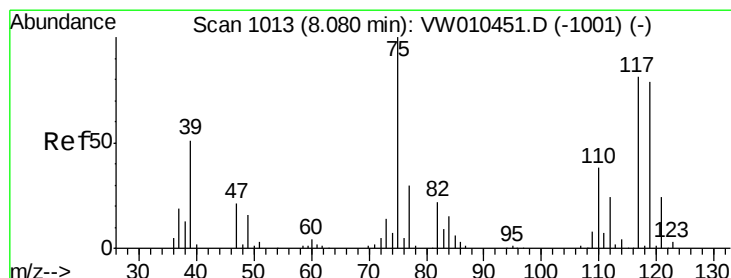
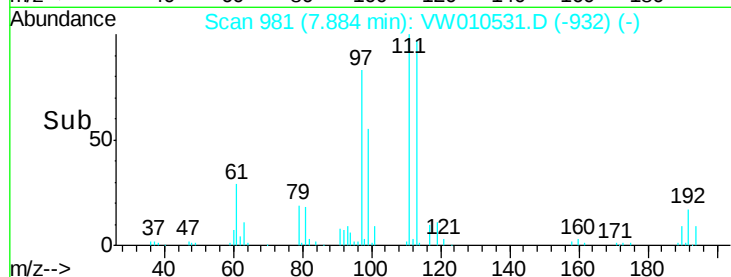
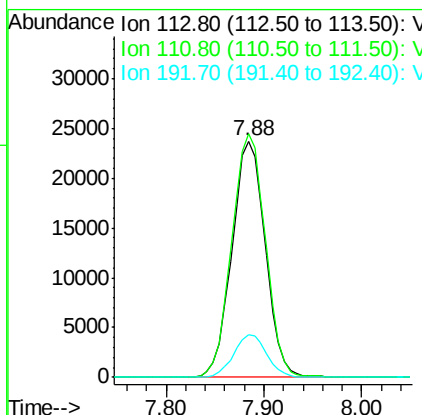
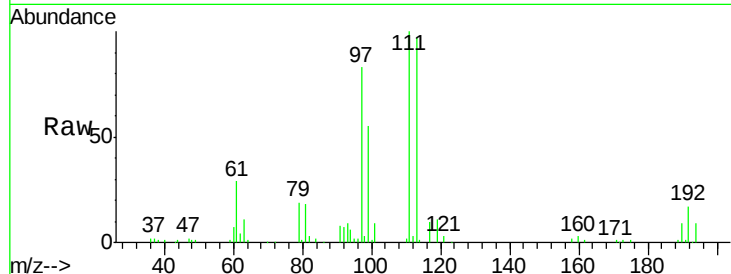
#35
 Dibromofluoromethane
 Concen: 50.831 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW010531.D
 Acq: 23 May 2019 15:48

Instrument :
 MSVOA_W
 ClientSampleId :
 FESB-23(3-3.5)MS

Tot Ion	Ratio	Resp	Lower	Upper
113	100	56152		
111	104.1	82.2	123.4	
192	17.9	14.3	21.5	

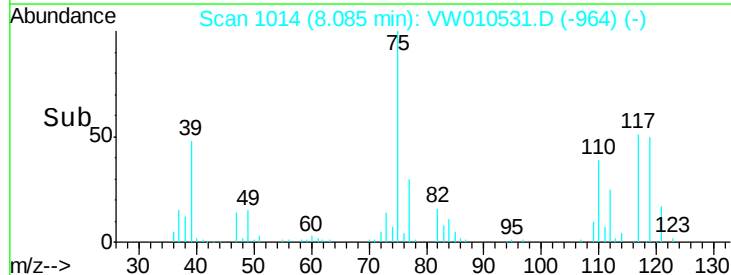
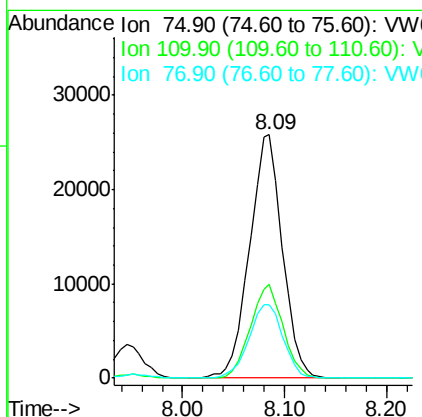
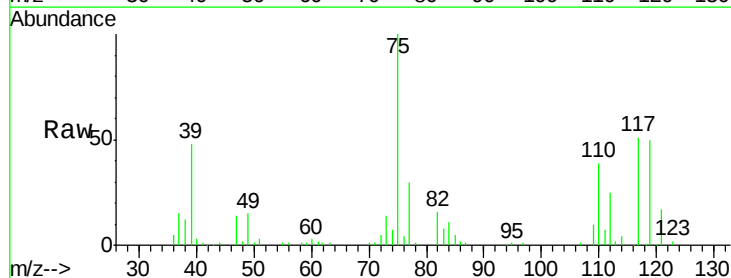
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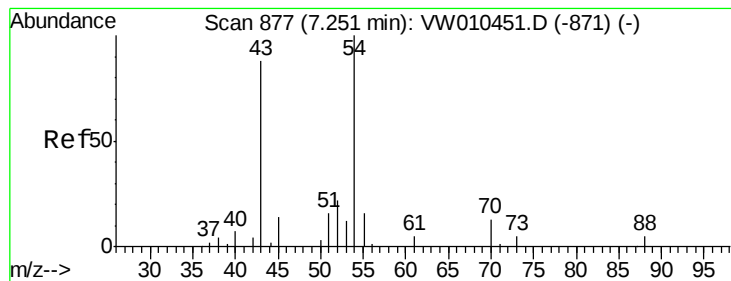
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#36
 1,1-Dichloropropene
 Concen: 34.118 ug/l
 RT: 8.09 min Scan# 1014
 Delta R.T. 0.01 min
 Lab File: VW010531.D
 Acq: 23 May 2019 15:48

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	57862		
110	38.1	19.2	57.6	
77	31.5	25.2	37.8	





#37

Ethyl Acetate

Concen: 37.986 ug/l

RT: 7.25 min Scan# 877

Delta R.T. -0.00 min

Lab File: VW010531.D

Acq: 23 May 2019 15:48

Instrument :

MSVOA_W

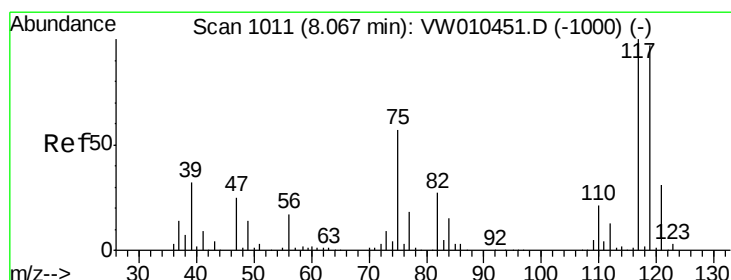
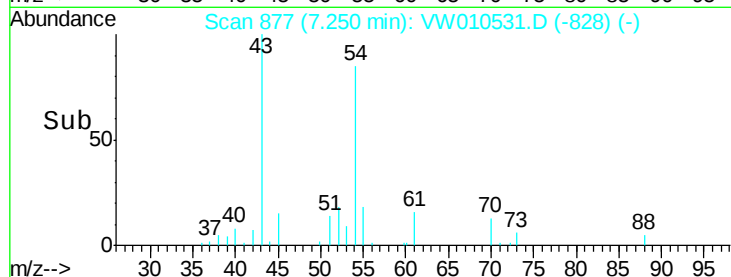
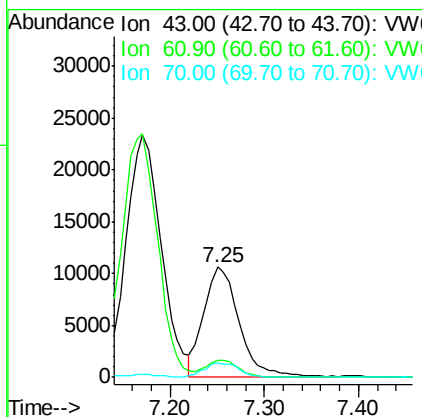
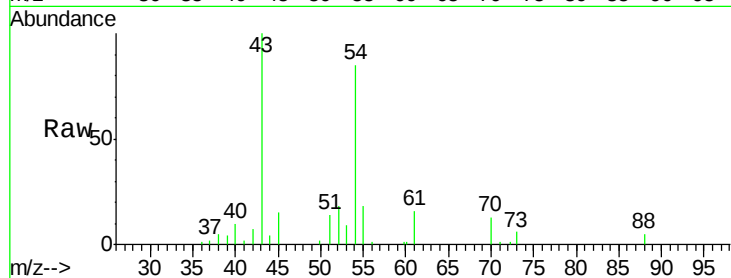
ClientSampleId :

FESB-23(3-3.5)MS

Tot Ion:	43	Resp:	27395
Ion	Ratio	Lower	Upper
43	100		
61	15.0	11.2	16.8
70	13.2	9.9	14.9

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 33.780 ug/l

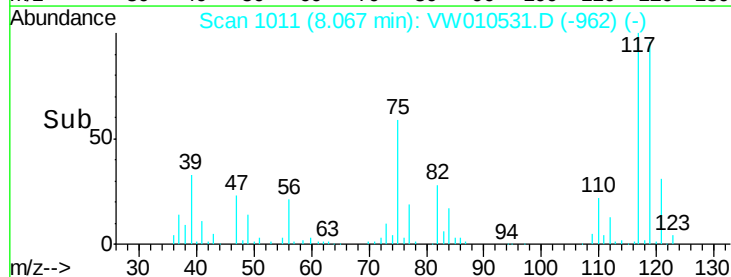
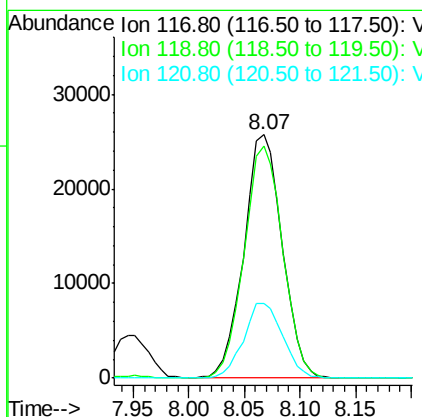
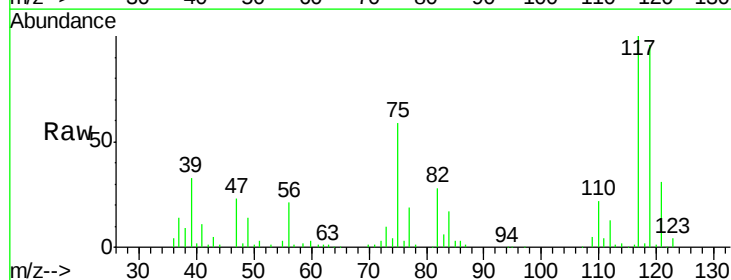
RT: 8.07 min Scan# 1011

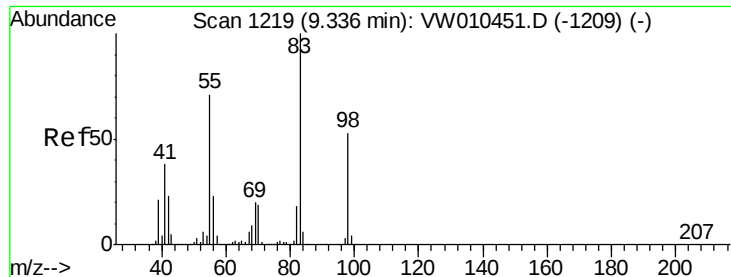
Delta R.T. -0.00 min

Lab File: VW010531.D

Acq: 23 May 2019 15:48

Tgt Ion:	117	Resp:	61800
Ion	Ratio	Lower	Upper
117	100		
119	95.5	77.4	116.0
121	30.6	25.0	37.6





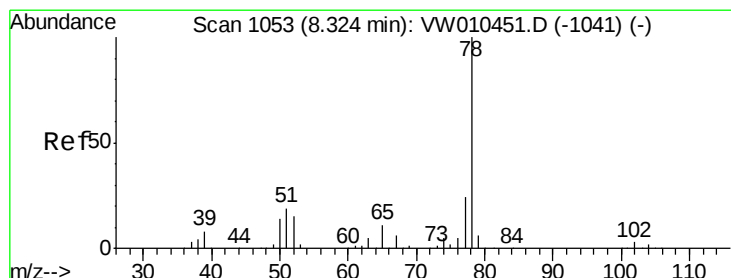
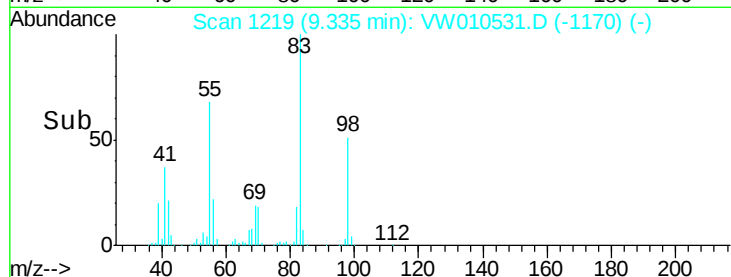
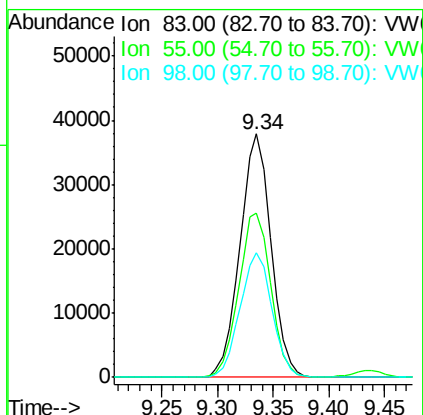
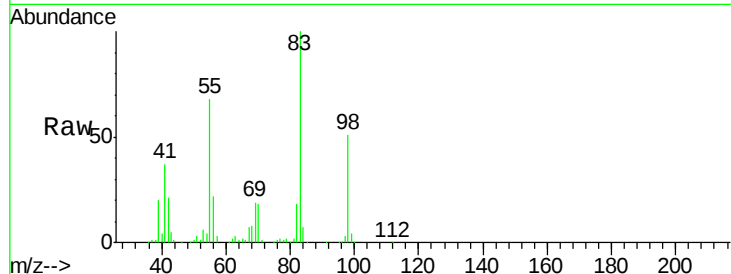
#39
Methvlcvclohexane
Concen: 32.368 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW010531.D
Acq: 23 May 2019 15:48

Instrument :
MSVOA_W
ClientSampleId :
FESB-23(3-3.5)MS

Tot Ion	Ratio	Lower	Upper
83	100		
55	67.5	57.0	85.6
98	51.1	42.0	63.0

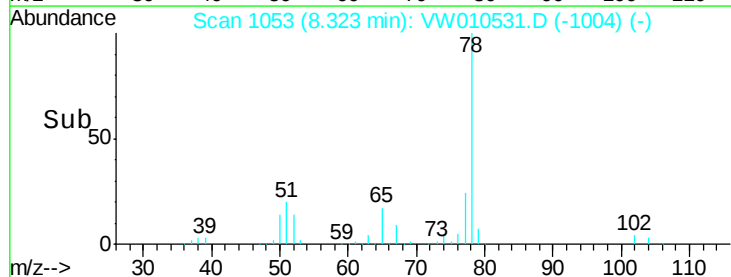
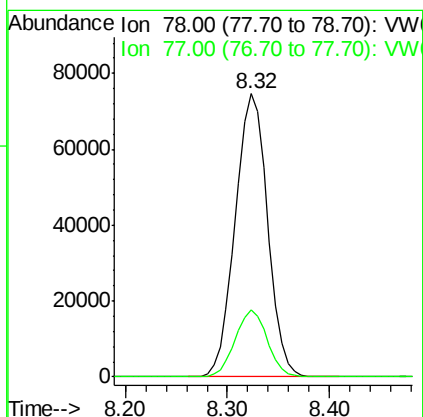
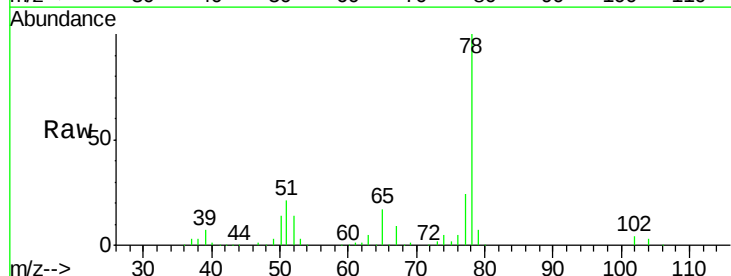
Manual Integrations
APPROVED

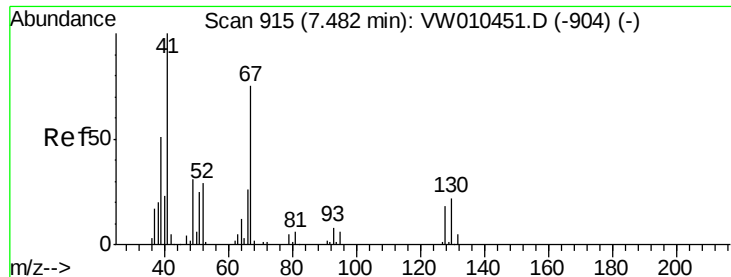
MMDadoda
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#40
Benzene
Concen: 34.824 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW010531.D
Acq: 23 May 2019 15:48

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.9	28.3





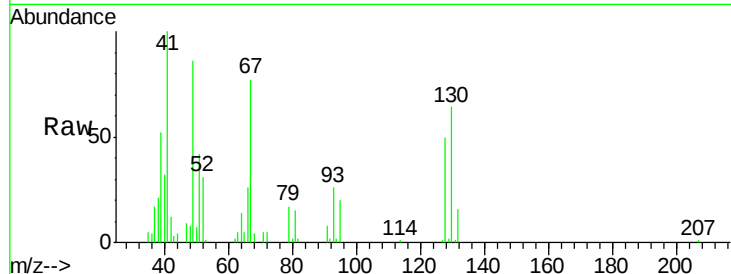
#41
Methacrylonitrile
Concen: 35.966 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.01 min
Lab File: VW010531.D
Acq: 23 May 2019 15:48

Instrument :
MSVOA_W
ClientSampleId :
FESB-23(3-3.5)MS

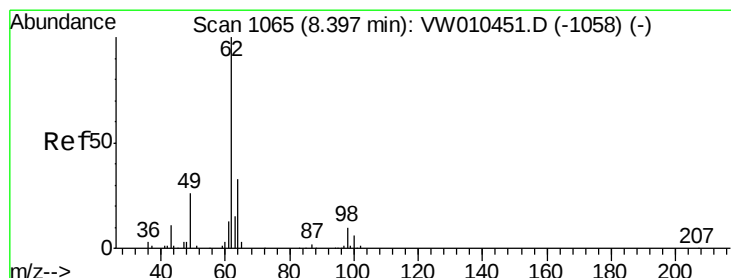
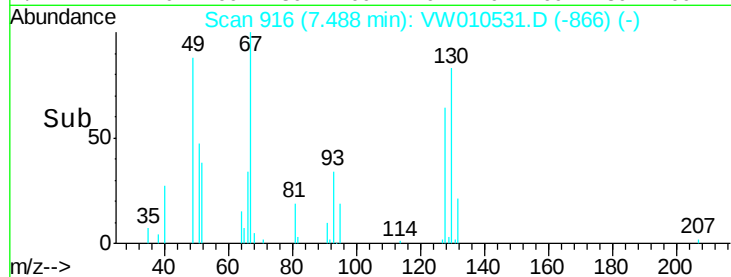
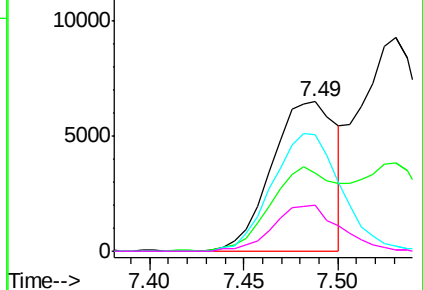
Tot Ion:	41	Resp:	15412
Ion	Ratio	Lower	Upper
41	100		
39	62.3	47.4	71.2
67	84.0	65.5	98.3
52	31.7	25.0	37.4

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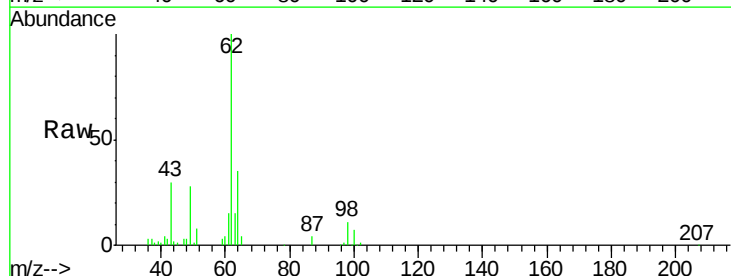


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

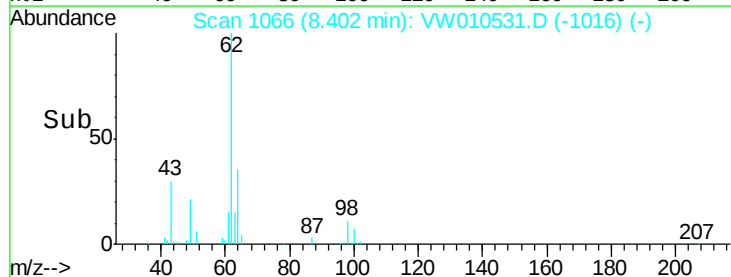
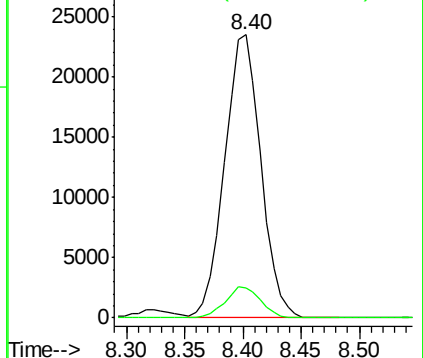


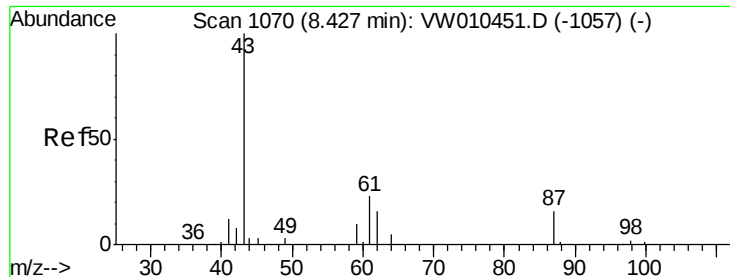
#42
1,2-Dichloroethane
Concen: 37.735 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.01 min
Lab File: VW010531.D
Acq: 23 May 2019 15:48

Tgt Ion:	62	Resp:	50838
Ion	Ratio	Lower	Upper
62	100		
98	10.8	0.0	21.0



Abundance Ion 61.90 (61.60 to 62.60): VW
Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 38.230 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW010531.D

Acq: 23 May 2019 15:48

Instrument :

MSVOA_W

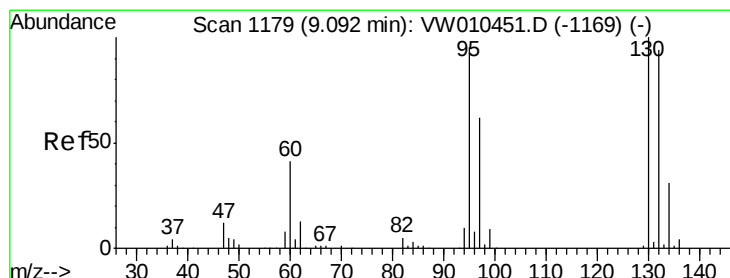
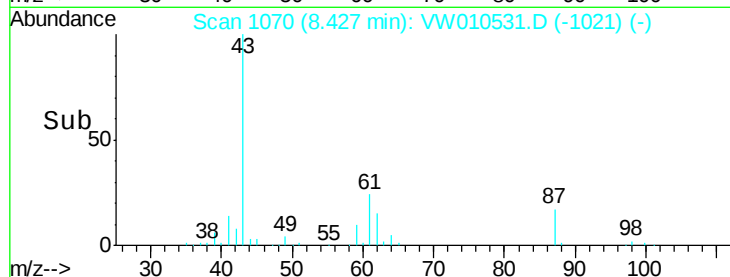
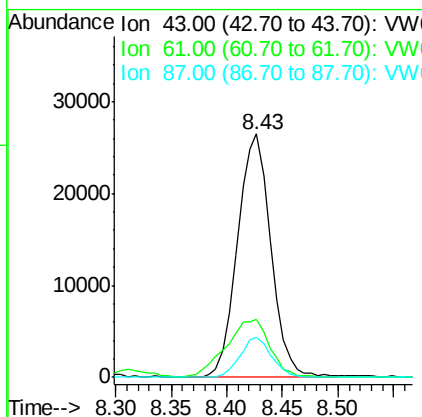
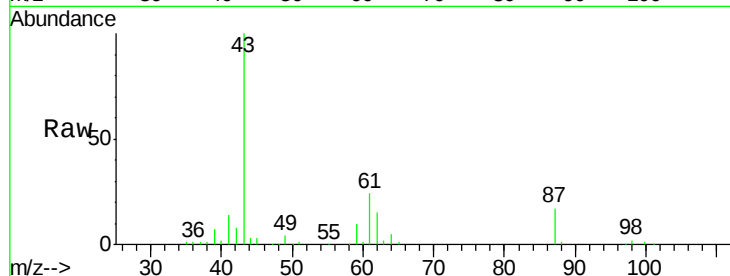
ClientSampleId :

FESB-23(3-3.5)MS

Tot Ion:	43	Resp:	55081
Ion	Ratio	Lower	Upper
43	100		
61	31.2	25.4	38.2
87	15.7	12.7	19.1

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#44

Trichloroethene

Concen: 34.600 ug/l

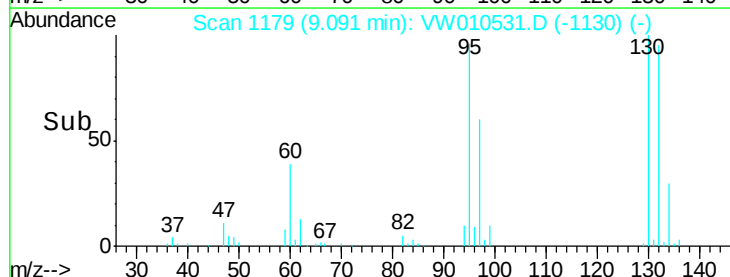
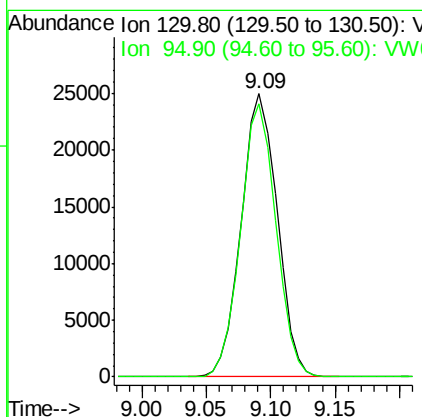
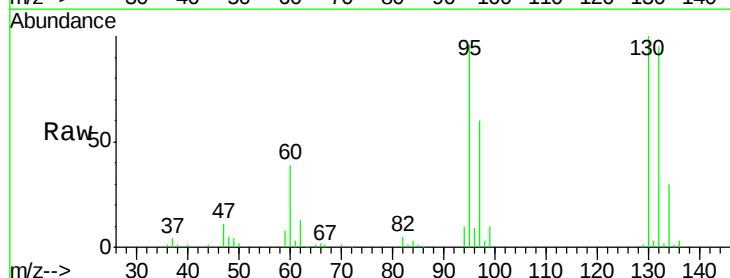
RT: 9.09 min Scan# 1179

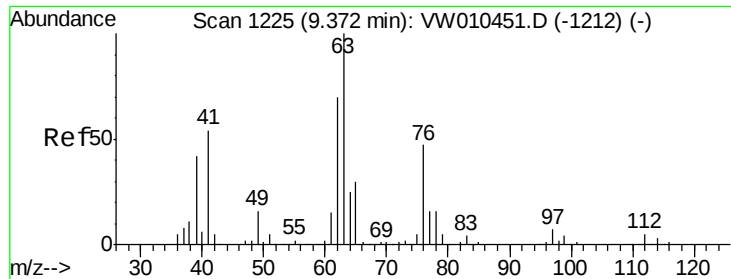
Delta R.T. -0.00 min

Lab File: VW010531.D

Acq: 23 May 2019 15:48

Tgt Ion:	130	Resp:	48420
Ion	Ratio	Lower	Upper
130	100		
95	96.3	0.0	189.6





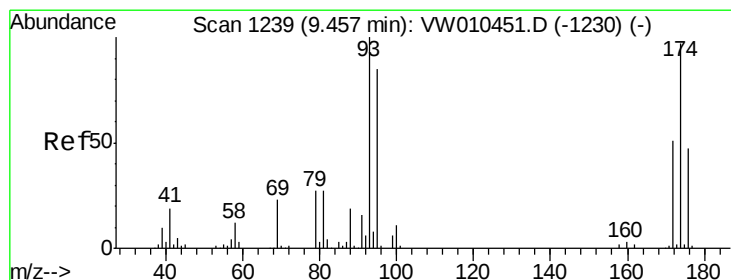
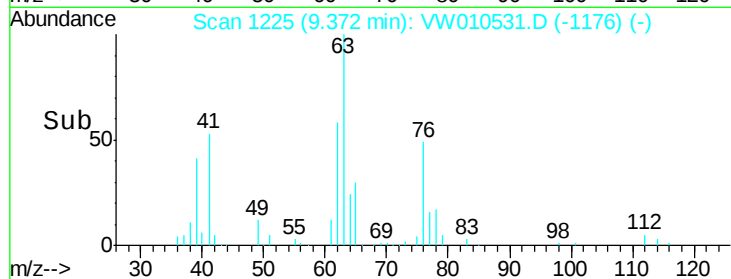
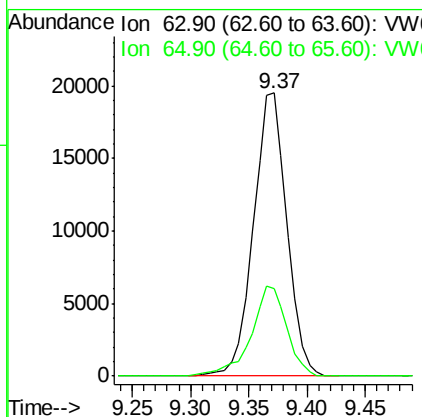
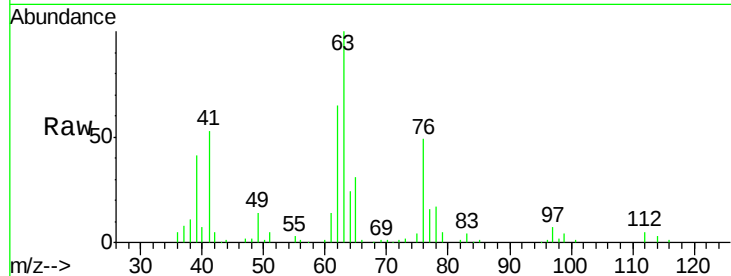
#45
 1,2-Dichloropropane
 Concen: 34.856 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: VW010531.D
 Acq: 23 May 2019 15:48

Instrument :
 MSVOA_W
 ClientSampleId :
 FESB-23(3-3.5)MS

Tot Ion: 63 Resp: 39022
 Ion Ratio Lower Upper
 63 100
 65 30.7 24.3 36.5

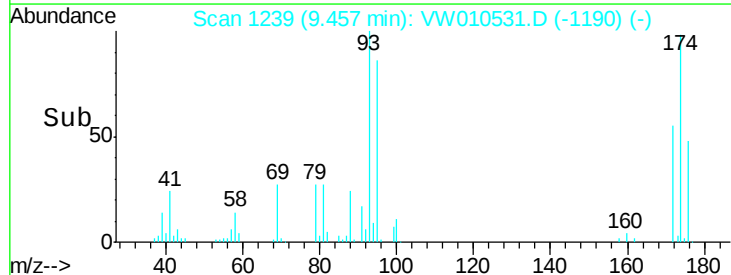
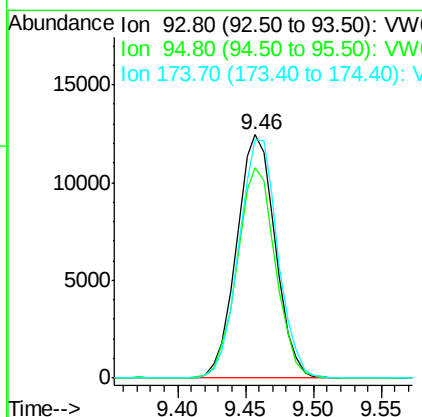
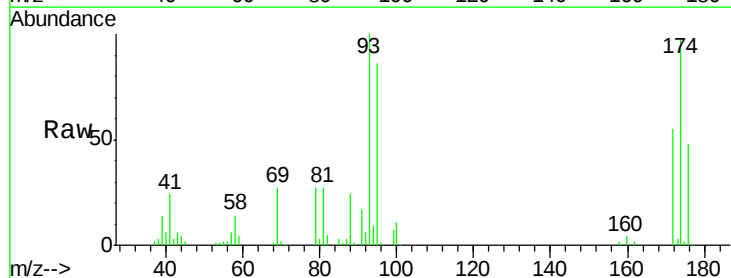
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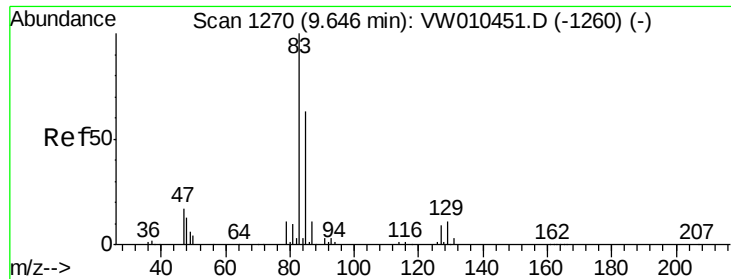
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#46
 Dibromomethane
 Concen: 37.641 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW010531.D
 Acq: 23 May 2019 15:48

Tgt Ion: 93 Resp: 24644
 Ion Ratio Lower Upper
 93 100
 95 85.9 66.1 99.1
 174 99.1 77.1 115.7





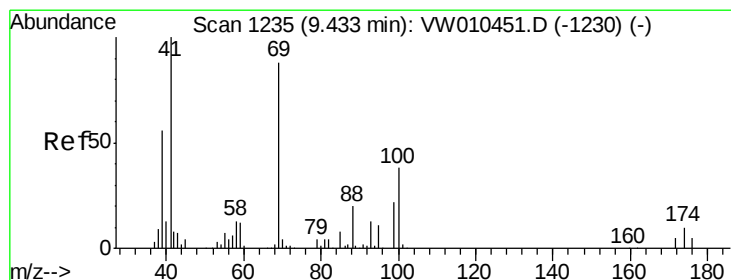
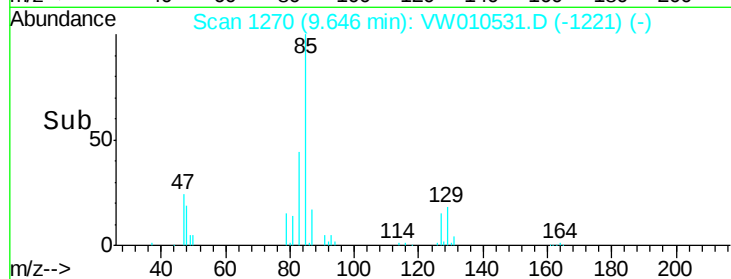
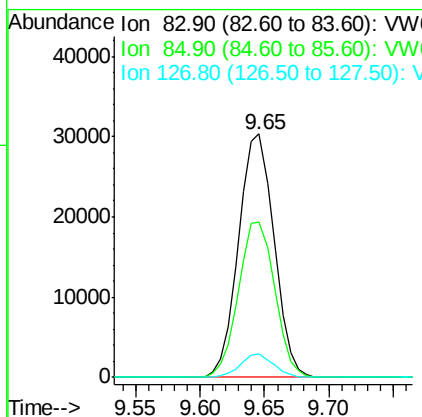
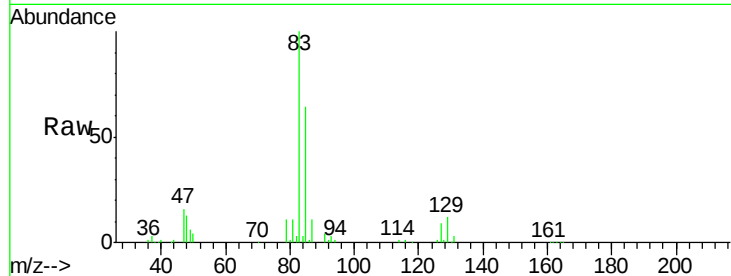
#47
Bromodichloromethane
Concen: 35.204 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VW010531.D
Acq: 23 May 2019 15:48

Instrument :
MSVOA_W
ClientSampleId :
FESB-23(3-3.5)MS

Tot Ion	Ratio	Resp	Lower	Upper
83	100	57920		
85	63.8		50.4	75.6
127	9.5		7.4	11.0

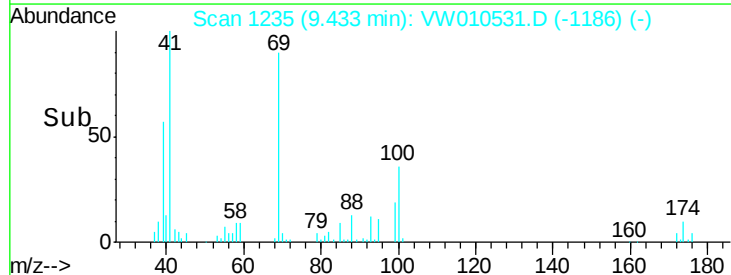
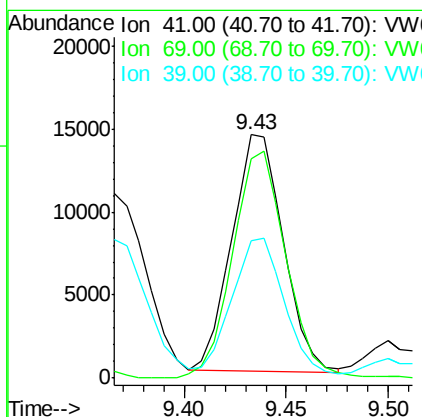
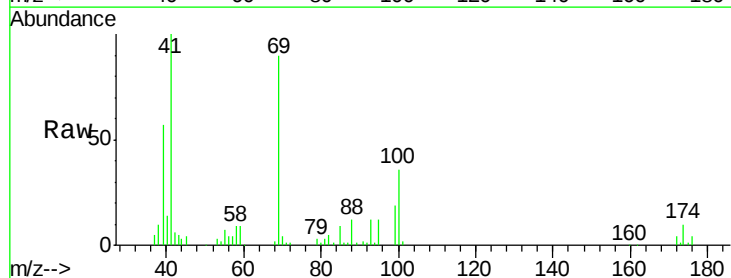
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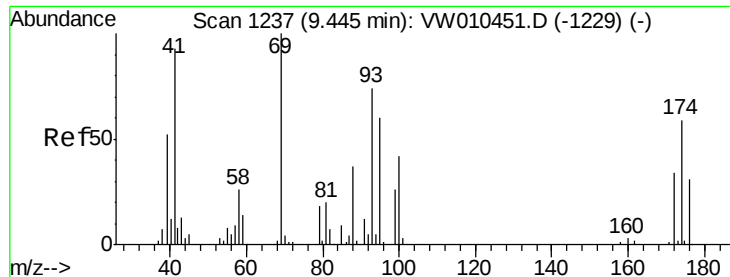
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#48
Methyl methacrylate
Concen: 37.949 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.00 min
Lab File: VW010531.D
Acq: 23 May 2019 15:48

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	25014		
69	100.0		77.6	116.4
39	61.9		49.8	74.8





#49

1,4-Dioxane

Concen: 690.966 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. 0.01 min

Lab File: VW010531.D

Acq: 23 May 2019 15:48

Instrument :

MSVOA_W

ClientSampleId :

FESB-23(3-3.5)MS

Tot Ion: 88 Resp: 7390

Ion Ratio Lower Upper

88 100

43 33.9 25.9 38.9

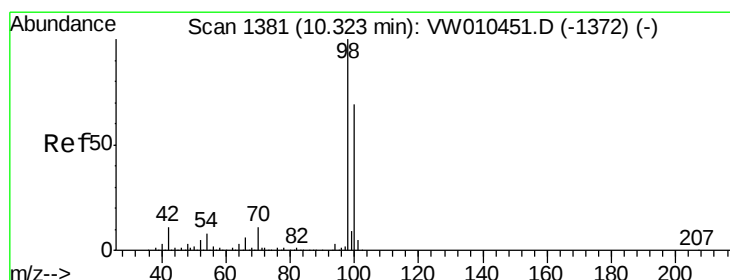
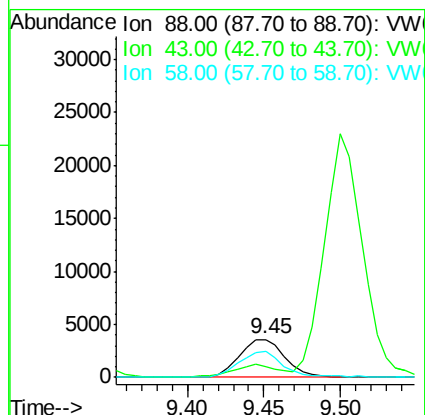
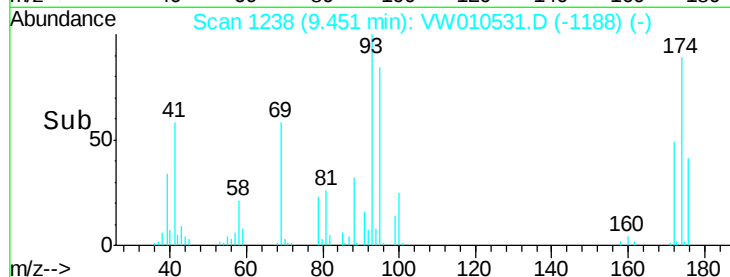
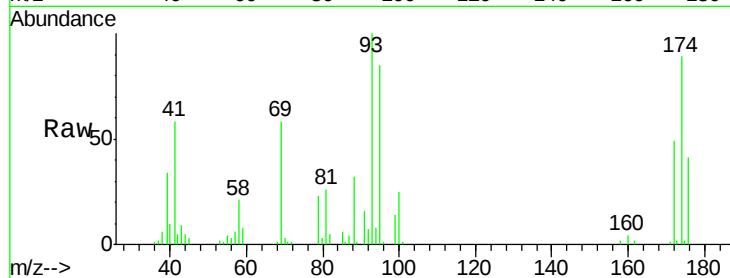
58 67.4 52.7 79.1

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#50

Toluene-d8

Concen: 50.334 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW010531.D

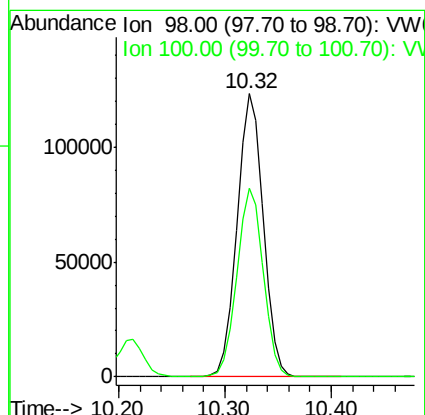
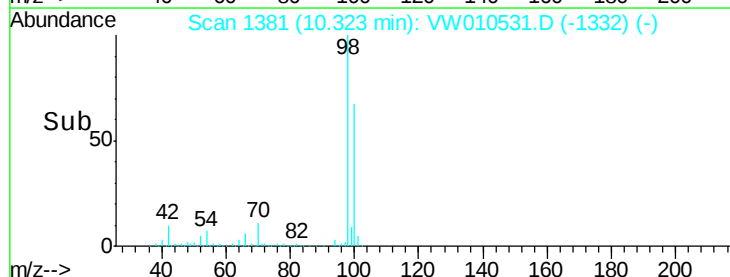
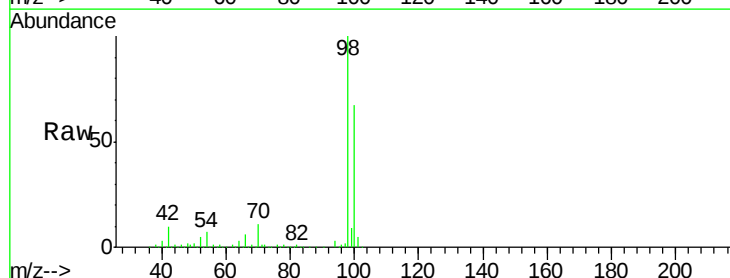
Acq: 23 May 2019 15:48

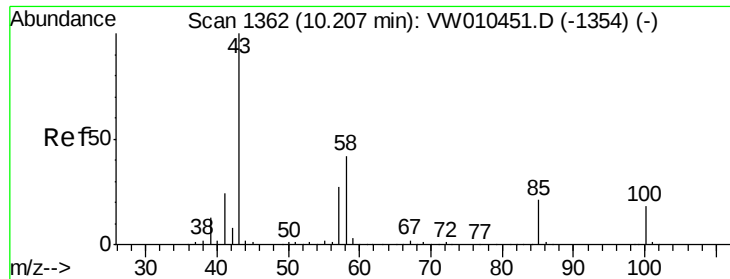
Tgt Ion: 98 Resp: 212415

Ion Ratio Lower Upper

98 100

100 67.1 53.7 80.5





#51

4-Methyl-2-Pentanone

Concen: 194.143 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW010531.D

Acq: 23 May 2019 15:48

Instrument :

MSVOA_W

ClientSampleId :

FESB-23(3-3.5)MS

Tot Ion: 43 Resp: 141740

Ion Ratio Lower Upper

43 100

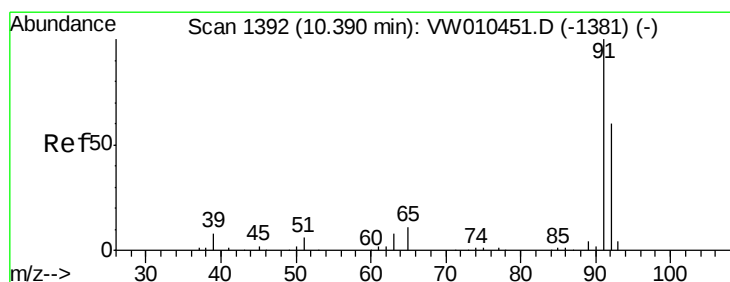
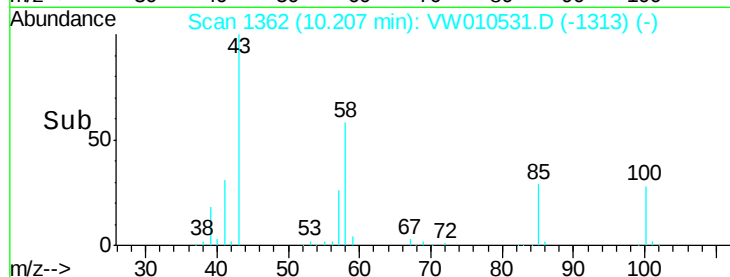
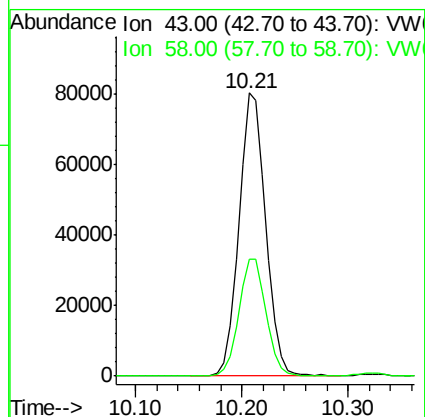
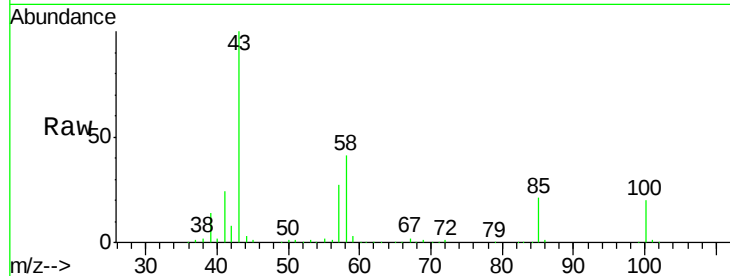
58 42.2 33.2 49.8

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#52

Toluene

Concen: 37.264 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW010531.D

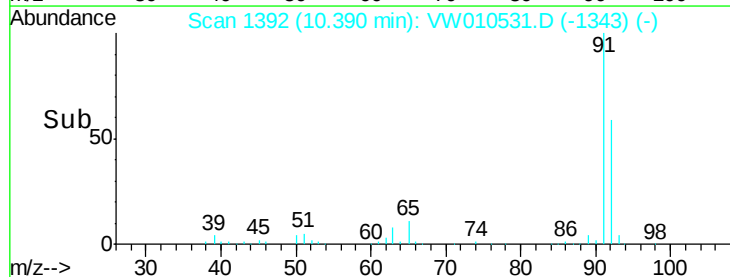
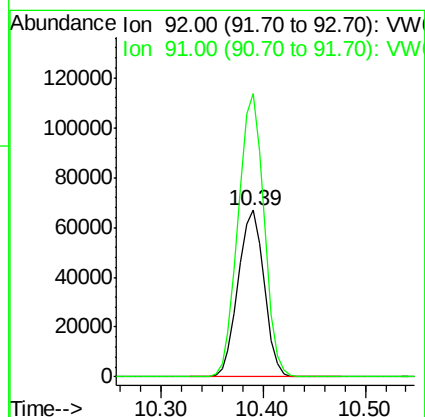
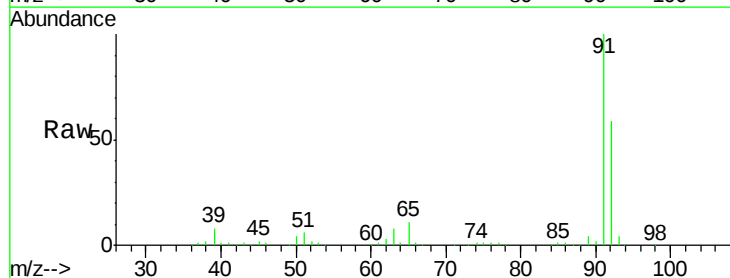
Acq: 23 May 2019 15:48

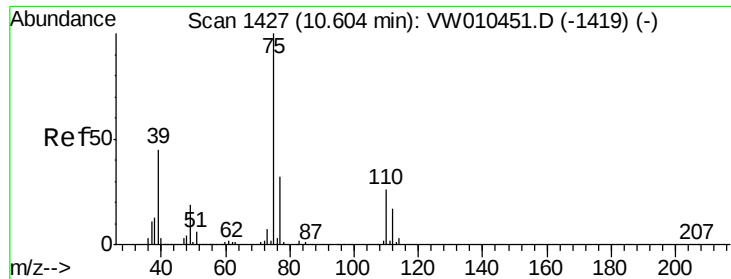
Tgt Ion: 92 Resp: 117964

Ion Ratio Lower Upper

92 100

91 168.7 135.4 203.0





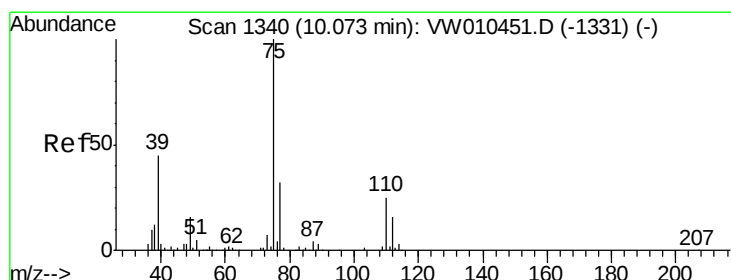
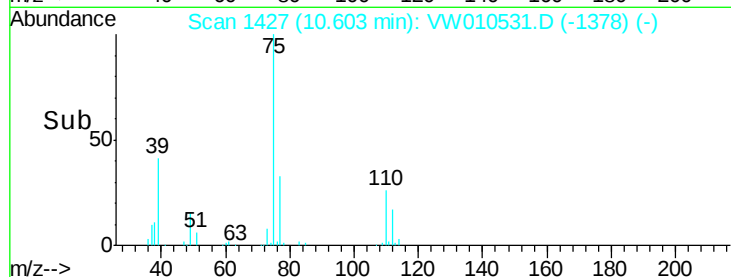
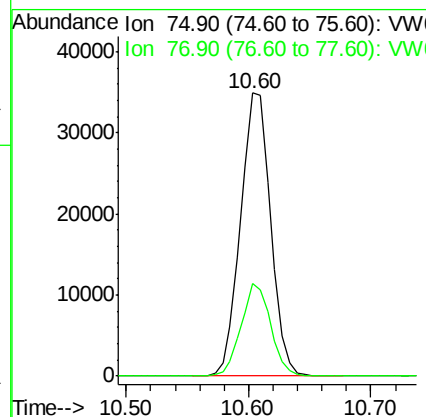
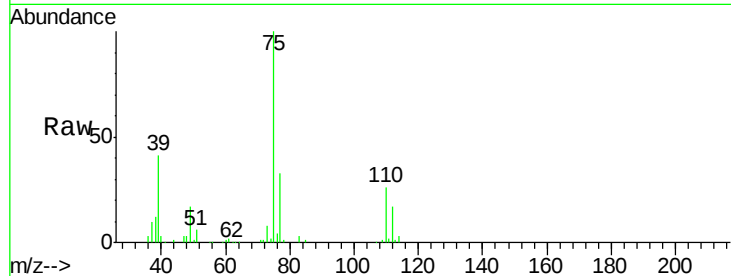
#53
 t-1,3-Dichloropropene
 Concen: 35.724 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.00 min
 Lab File: VW010531.D
 Acq: 23 May 2019 15:48

Instrument :
 MSVOA_W
 ClientSampleId :
 FESB-23(3-3.5)MS

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.9	25.4	38.0

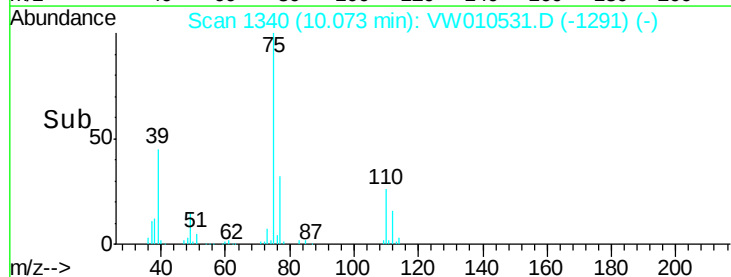
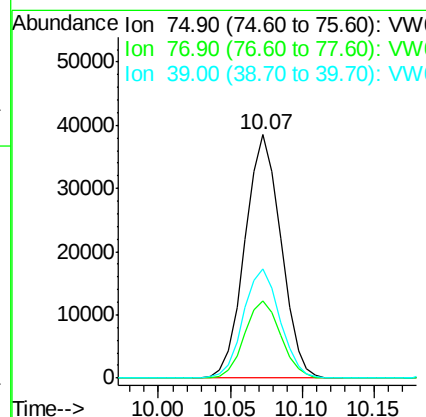
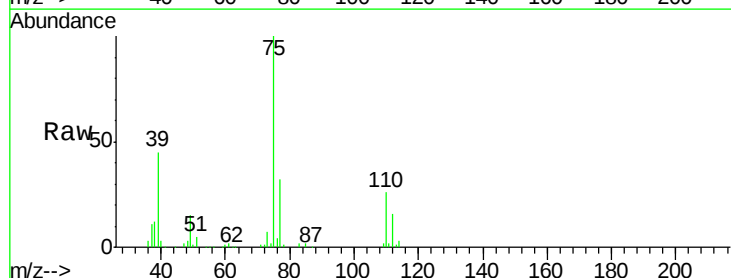
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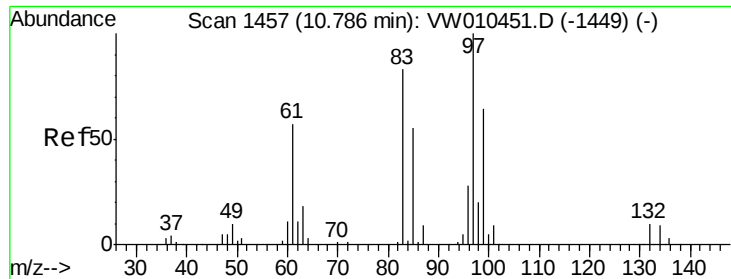
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#54
 cis-1,3-Dichloropropene
 Concen: 35.119 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW010531.D
 Acq: 23 May 2019 15:48

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.7	38.5
39	45.1	36.2	54.4





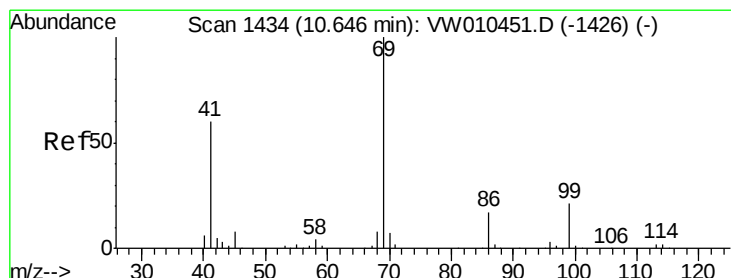
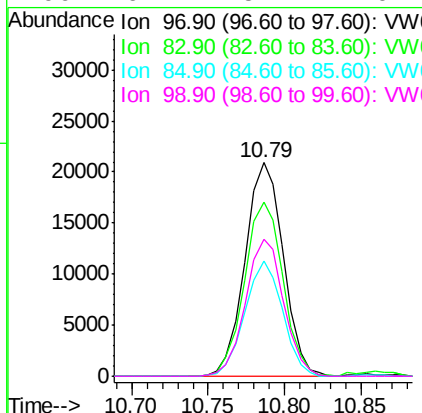
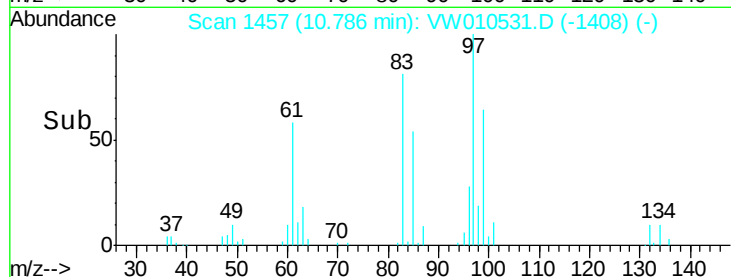
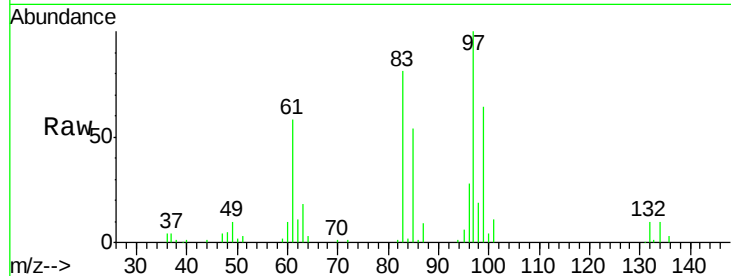
#55
 1,1,2-Trichloroethane
 Concen: 38.706 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW010531.D
 Acq: 23 May 2019 15:48

Instrument :
 MSVOA_W
 ClientSampleId :
 FESB-23(3-3.5)MS

Tot Ion:	97	Resp:	36441
Ion	Ratio	Lower	Upper
97	100		
83	81.4	66.1	99.1
85	54.2	44.2	66.4
99	64.2	51.1	76.7

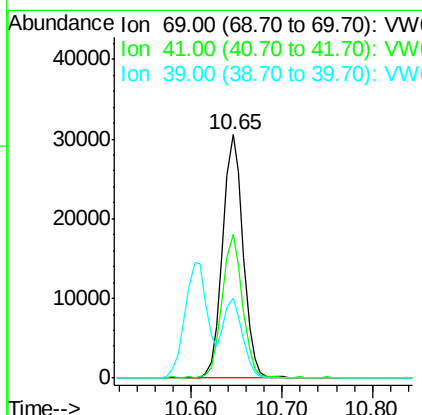
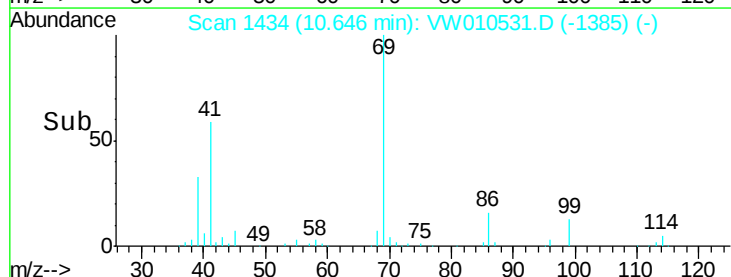
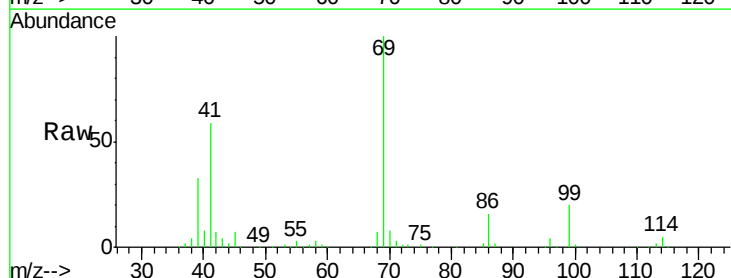
Manual Integrations
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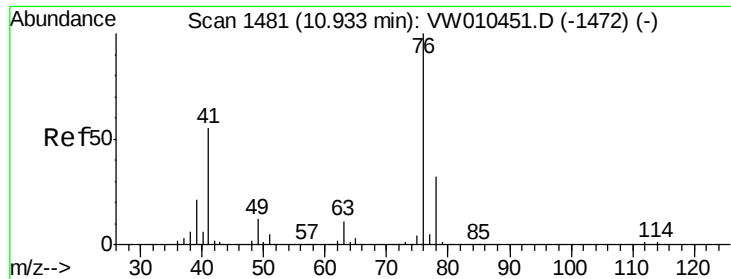
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 5/24/2019 10:44:22 PM



#56
 Ethyl methacrylate
 Concen: 37.209 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW010531.D
 Acq: 23 May 2019 15:48

Tgt Ion:	69	Resp:	48315
Ion	Ratio	Lower	Upper
69	100		
41	57.6	47.7	71.5
39	30.4	25.3	37.9





#57

1,3-Dichloropropane

Concen: 37.633 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW010531.D

Acq: 23 May 2019 15:48

Instrument :

MSVOA_W

ClientSampleId :

FESB-23(3-3.5)MS

Tot Ion: 76 Resp: 59350

Ion Ratio Lower Upper

76 100

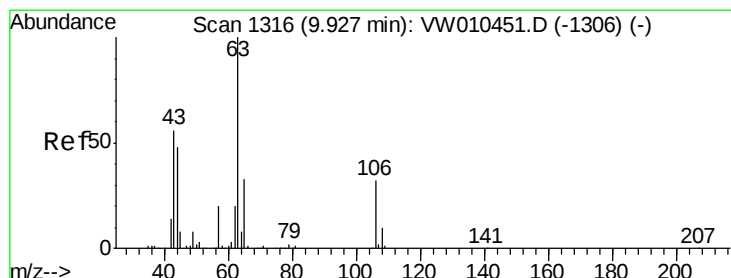
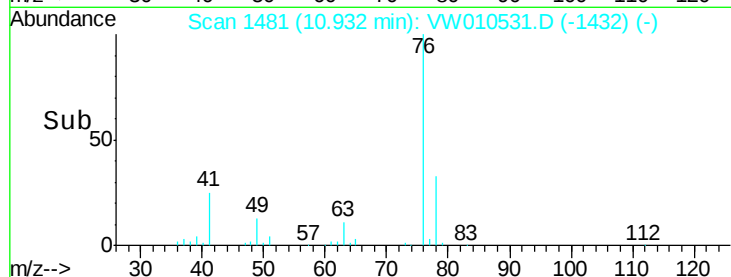
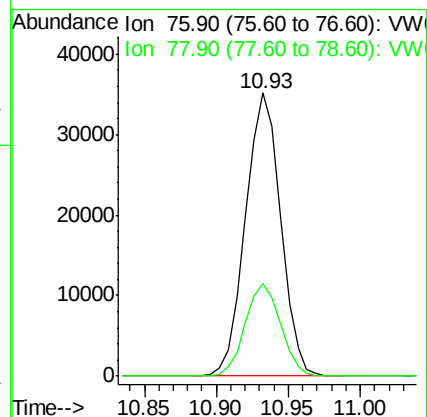
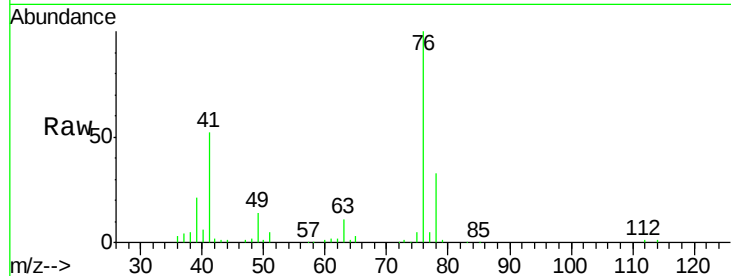
78 32.9 26.2 39.2

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#58

2-Chloroethyl Vinyl ether

Concen: 276.232 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VW010531.D

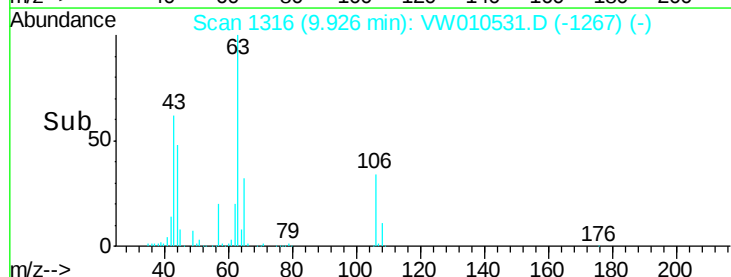
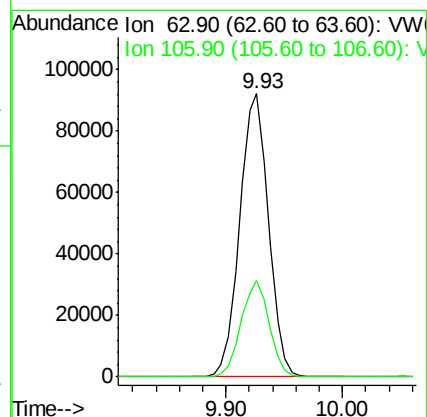
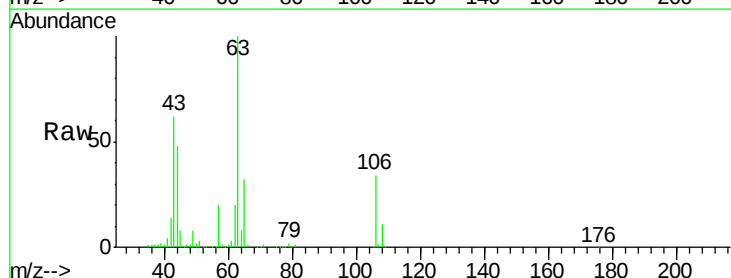
Acq: 23 May 2019 15:48

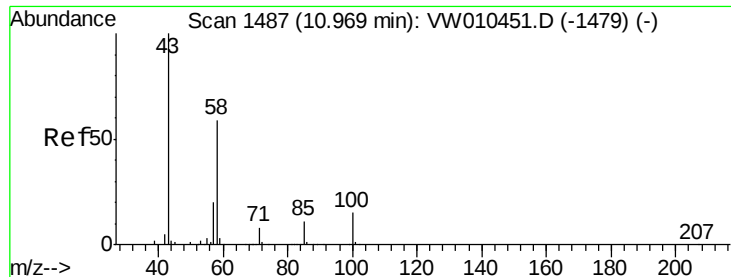
Tgt Ion: 63 Resp: 158869

Ion Ratio Lower Upper

63 100

106 33.3 25.8 38.6





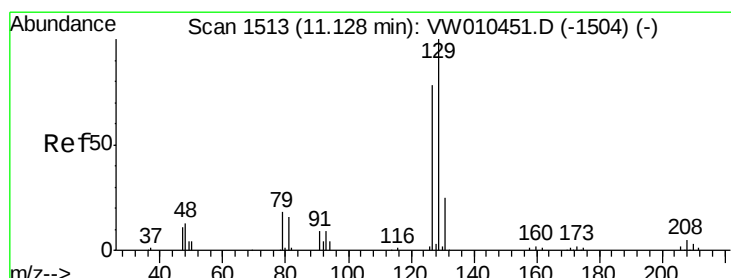
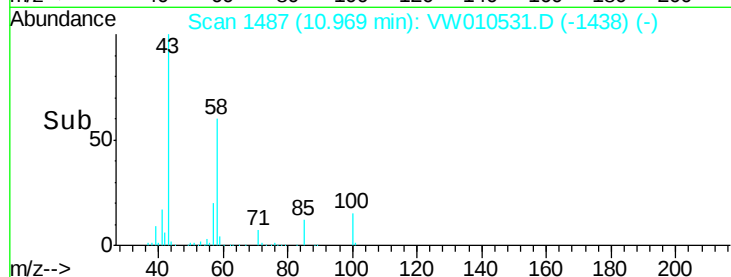
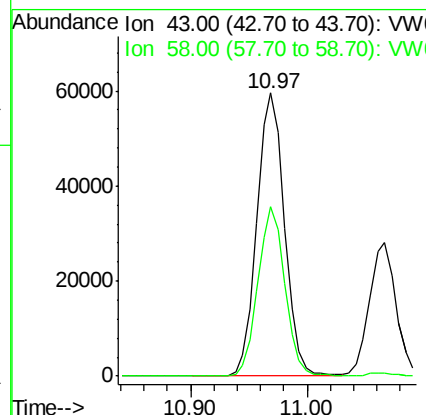
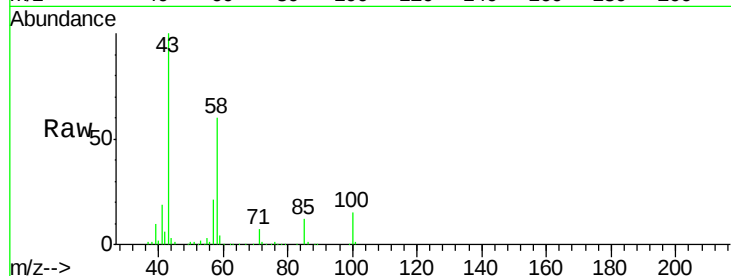
#59
2-Hexanone
Concen: 189.794 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW010531.D
Acq: 23 May 2019 15:48

Instrument :
MSVOA_W
ClientSampleId :
FESB-23(3-3.5)MS

Tot Ion	43	Resp	98845
Ion Ratio	100	Lower	Upper
43	100		
58	58.6	28.9	86.8

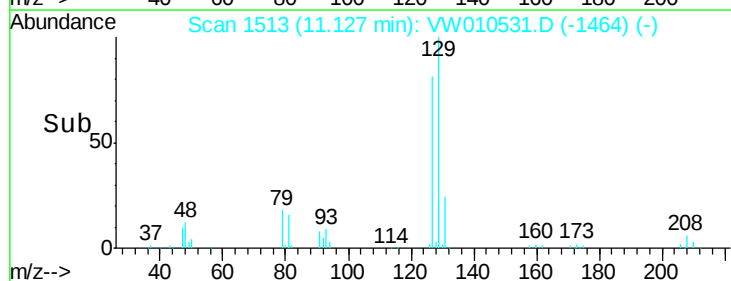
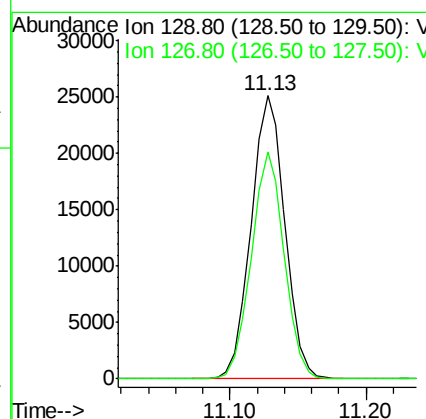
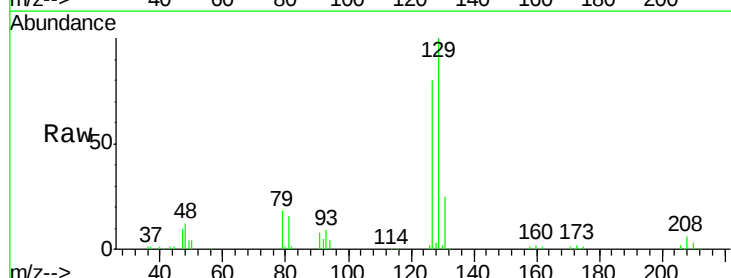
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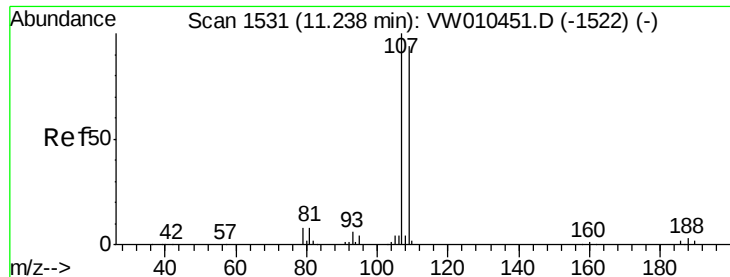
MMDadoda
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#60
Dibromochloromethane
Concen: 36.652 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW010531.D
Acq: 23 May 2019 15:48

Tgt Ion	129	Resp	43673	
Ion Ratio	129	100	Lower	Upper
129	100			
127	77.9	38.9	116.7	





#61

1,2-Dibromoethane

Concen: 38.775 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW010531.D

Acq: 23 May 2019 15:48

Instrument :

MSVOA_W

ClientSampleId :

FESB-23(3-3.5)MS

Tot Ion:107 Resp: 36980

Ion Ratio Lower Upper

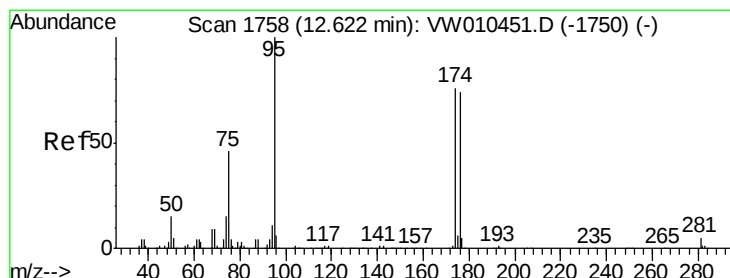
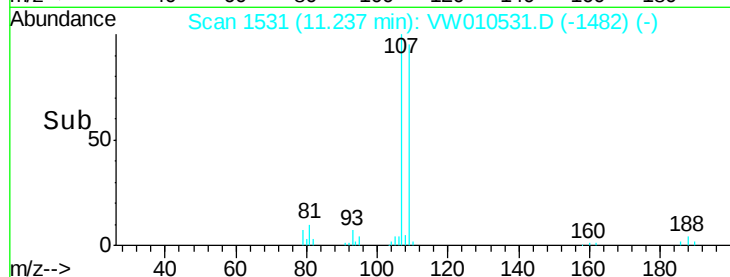
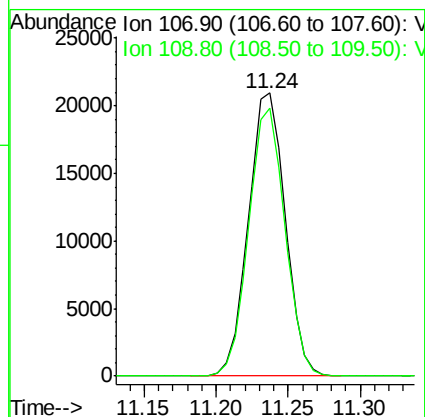
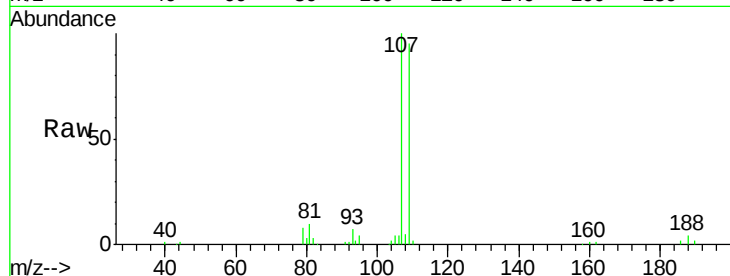
107 100

109 93.5 75.0 112.4

Manual Integrations
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#62

4-Bromofluorobenzene

Concen: 49.485 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW010531.D

Acq: 23 May 2019 15:48

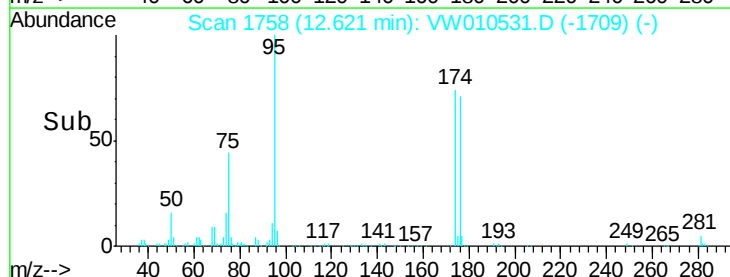
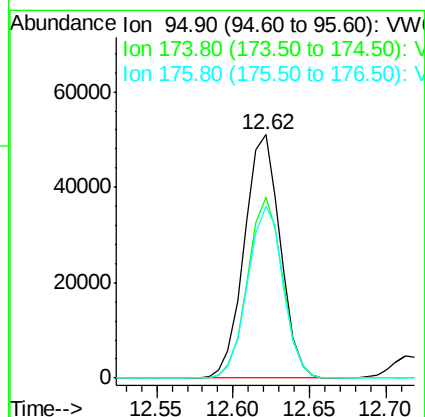
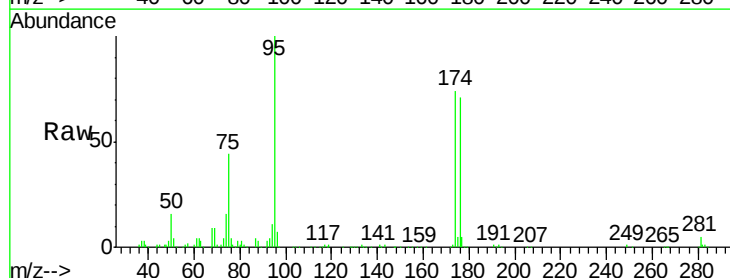
Tgt Ion: 95 Resp: 83182

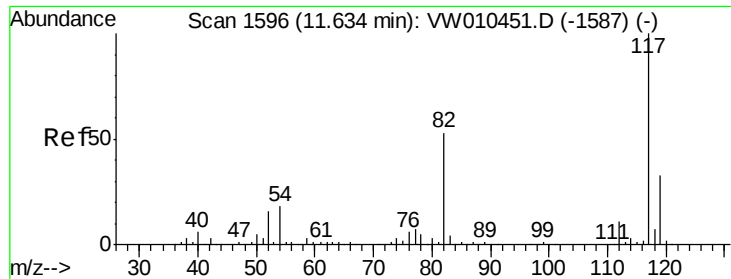
Ion Ratio Lower Upper

95 100

174 72.1 0.0 148.6

176 70.1 0.0 144.2





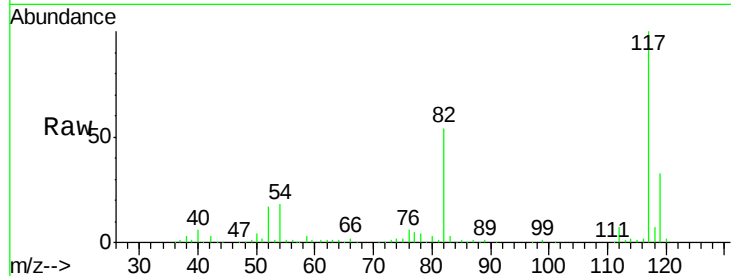
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010531.D
Acq: 23 May 2019 15:48

Instrument :
MSVOA_W
ClientSampleId :
FESB-23(3-3.5)MS

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.7	42.8	64.2
119	33.0	26.3	39.5

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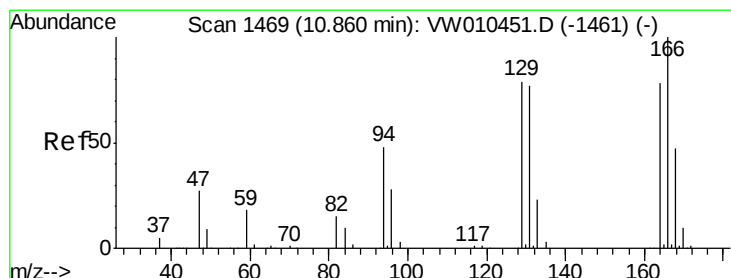
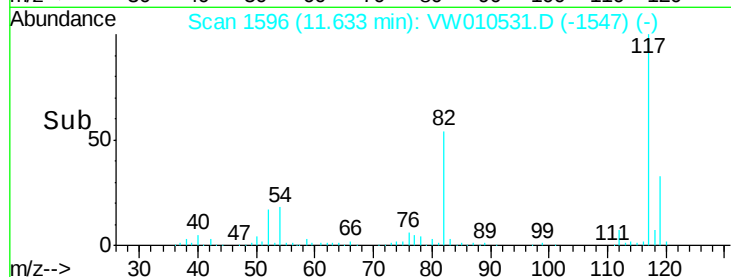
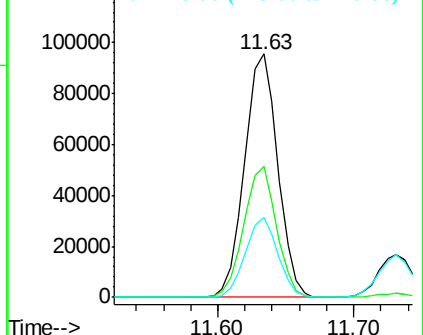


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 32.104 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW010531.D
Acq: 23 May 2019 15:48

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.1	101.9	152.9
129	97.2	80.6	121.0
131	94.1	78.2	117.2

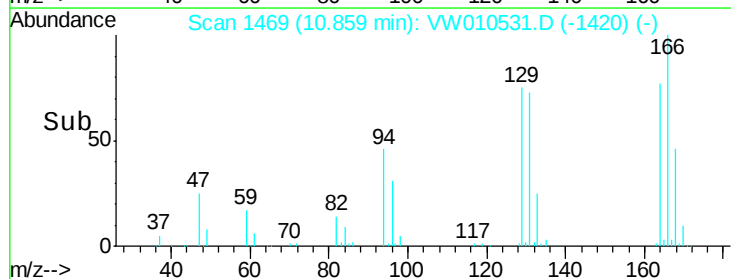
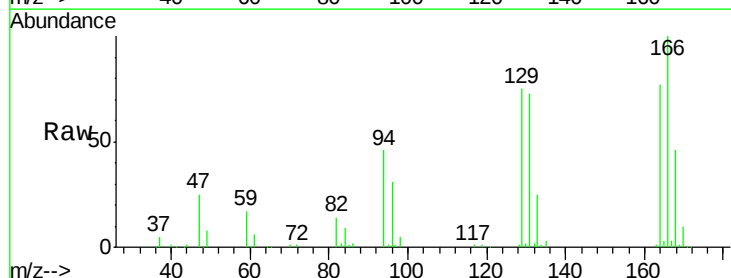
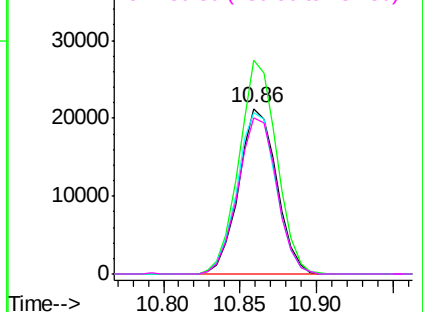
Abundance

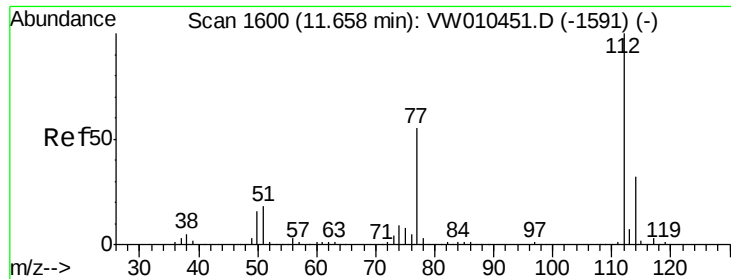
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





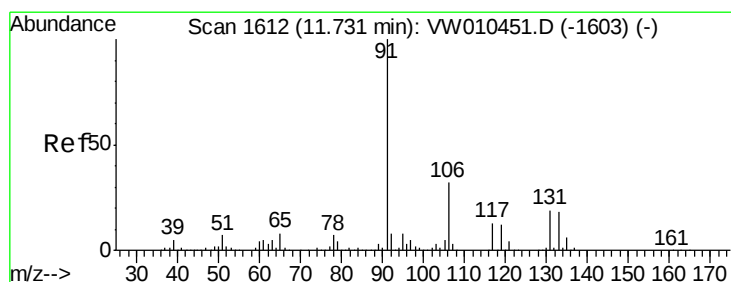
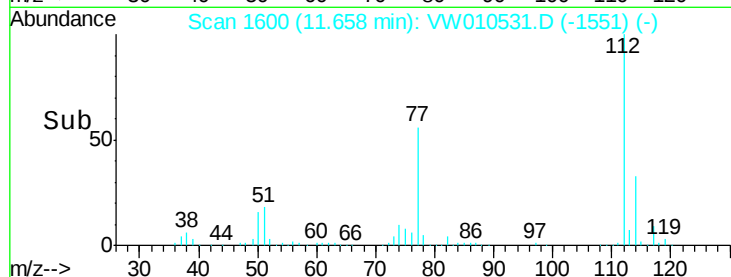
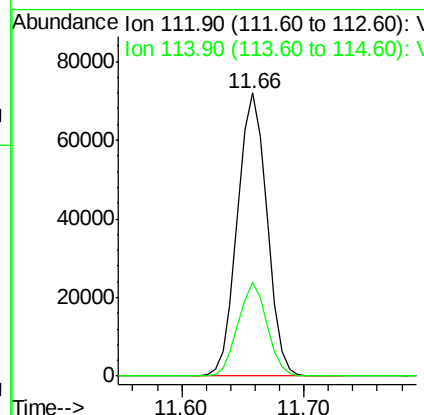
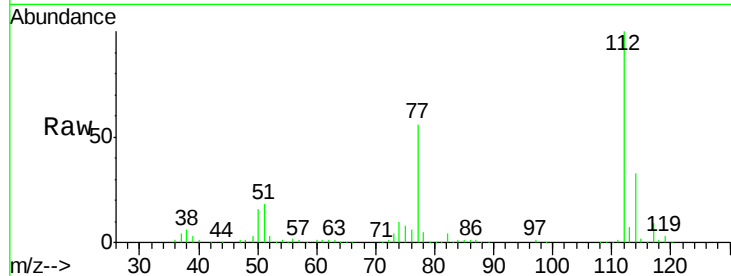
#65
Chlorobenzene
Concen: 34.476 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW010531.D
Acq: 23 May 2019 15:48

Instrument :
MSVOA_W
ClientSampleId :
FESB-23(3-3.5)MS

Tot Ion:112 Resp: 120130
Ion Ratio Lower Upper
112 100
114 33.1 25.3 37.9

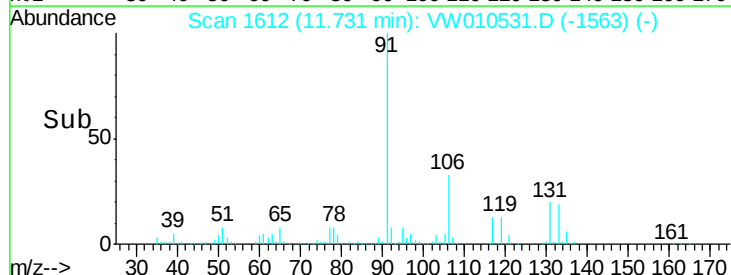
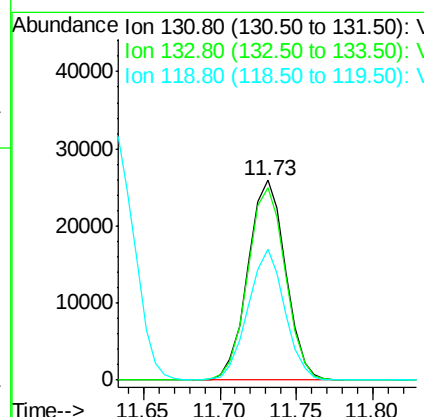
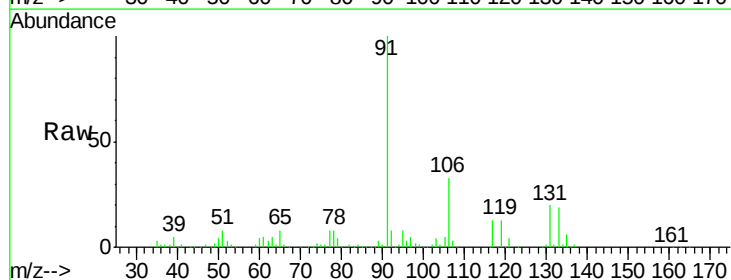
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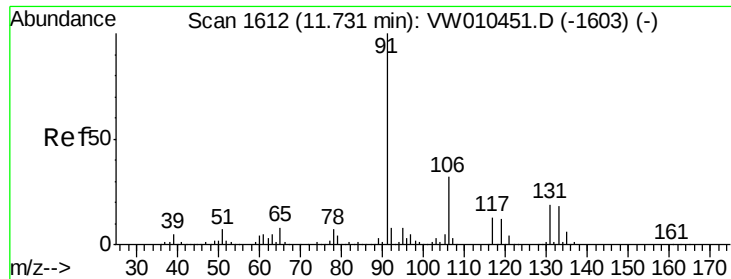
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#66
1,1,1,2-Tetrachloroethane
Concen: 35.570 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010531.D
Acq: 23 May 2019 15:48

Tgt Ion:131 Resp: 44399
Ion Ratio Lower Upper
131 100
133 96.0 47.3 141.9
119 63.8 32.1 96.5





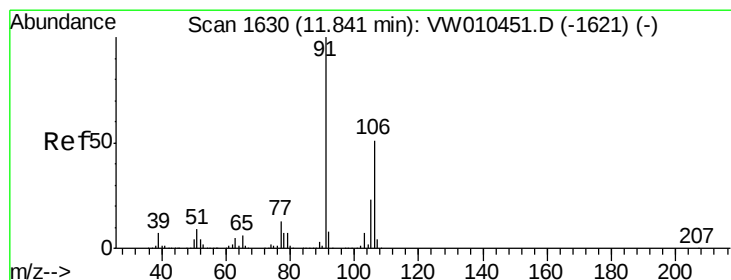
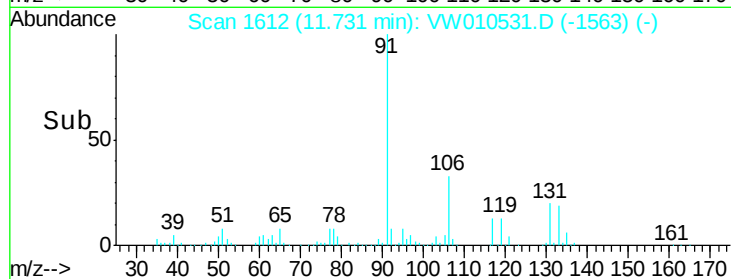
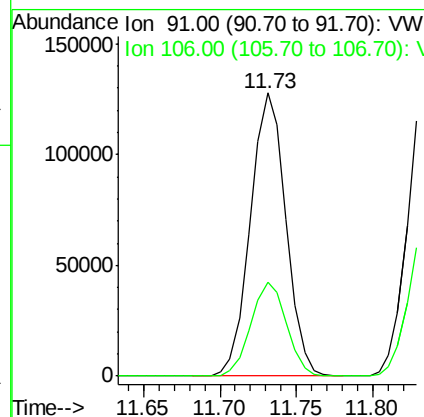
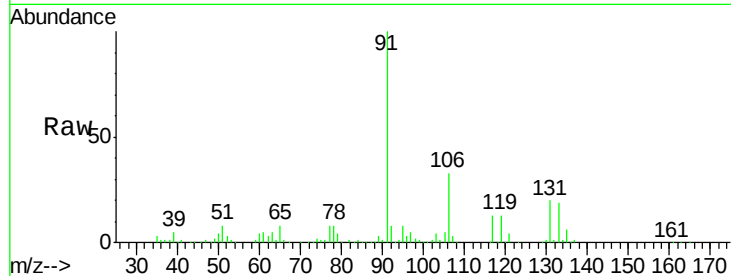
#67
Ethyl Benzene
Concen: 33.544 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010531.D
Acq: 23 May 2019 15:48

Instrument :
MSVOA_W
ClientSampleId :
FESB-23(3-3.5)MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		206363		
106	33.2	25.9	38.9		

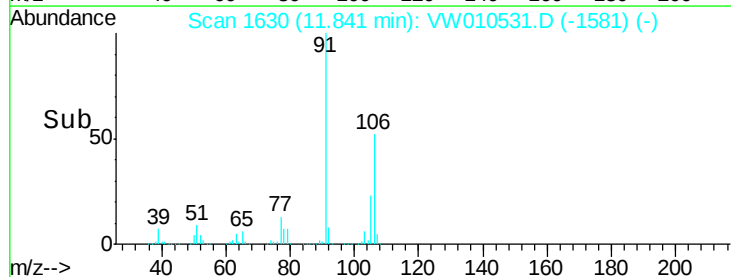
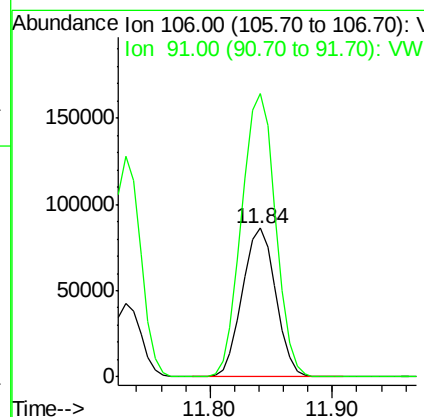
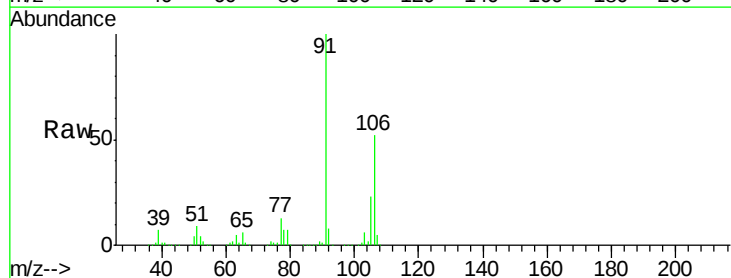
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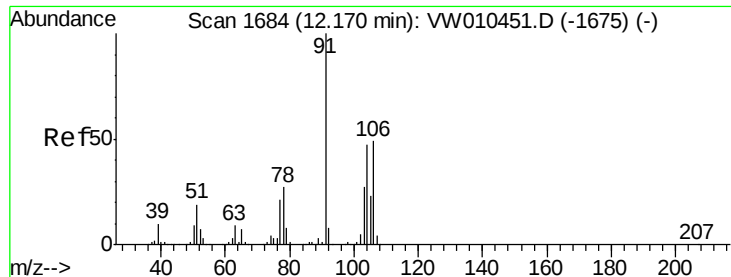
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#68
m/p-Xylenes
Concen: 67.810 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW010531.D
Acq: 23 May 2019 15:48

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
106	100		163627		
91	193.3	156.0	234.0		





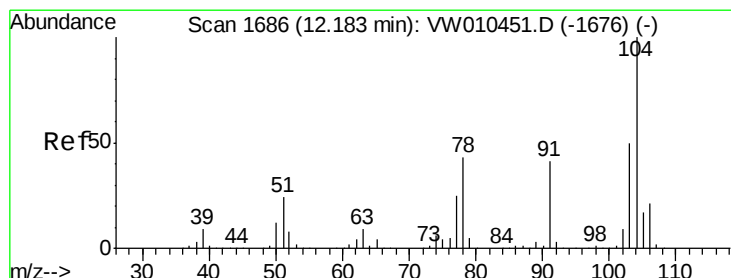
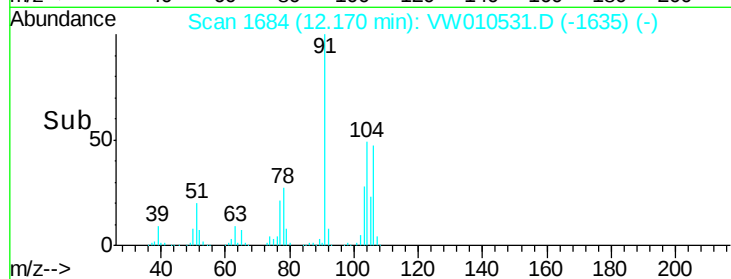
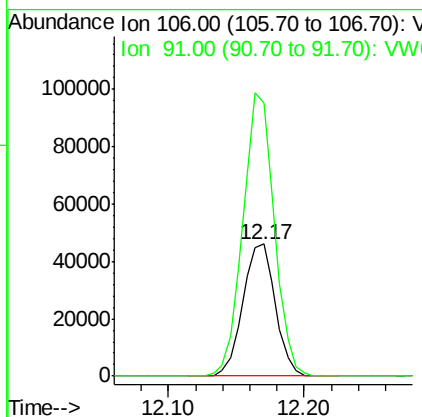
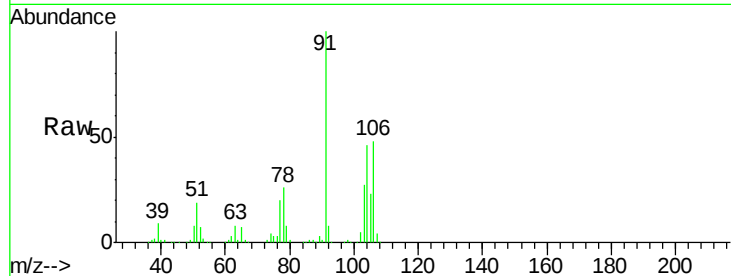
#69
o-Xylene
Concen: 33.619 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW010531.D
Acq: 23 May 2019 15:48

Instrument :
MSVOA_W
ClientSampleId :
FESB-23(3-3.5)MS

Tot Ion:106 Resp: 76859
Ion Ratio Lower Upper
106 100
91 207.5 103.2 309.4

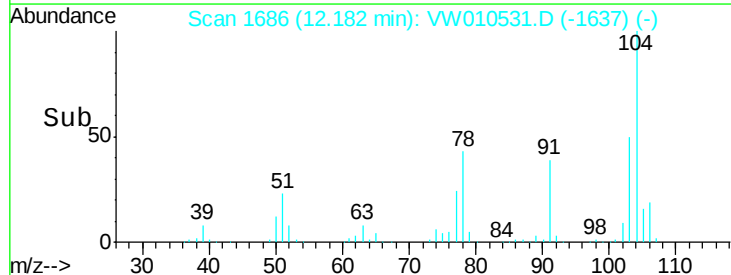
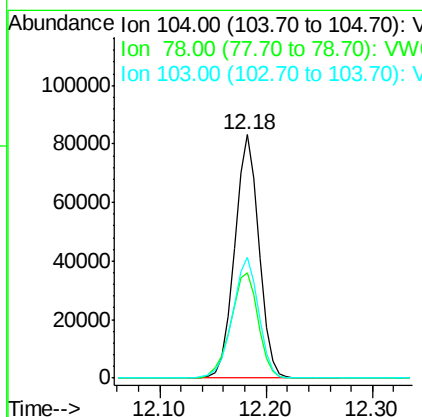
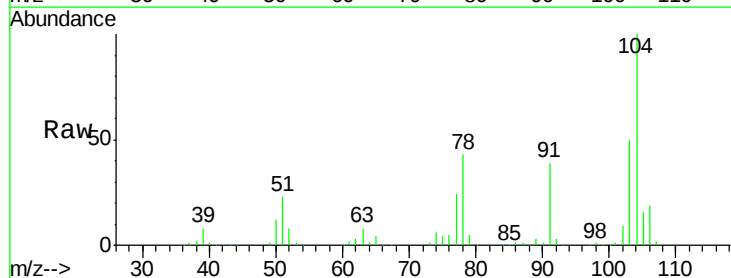
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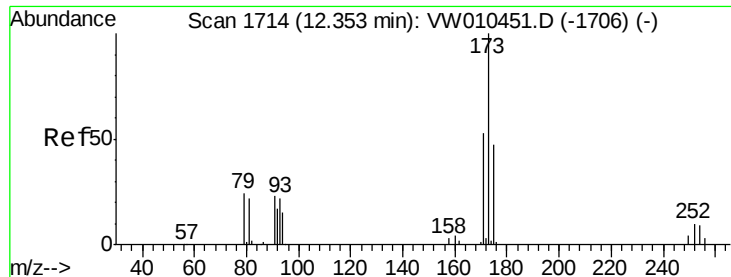
MMDadoda
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#70
Styrene
Concen: 34.267 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW010531.D
Acq: 23 May 2019 15:48

Tgt Ion:104 Resp: 132922
Ion Ratio Lower Upper
104 100
78 48.7 39.0 58.4
103 53.2 43.0 64.6





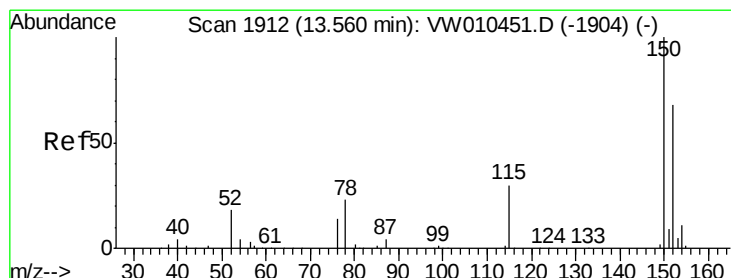
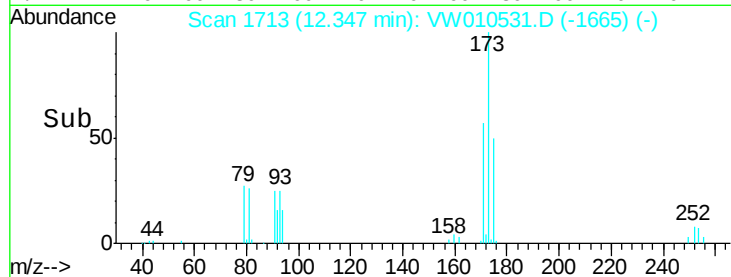
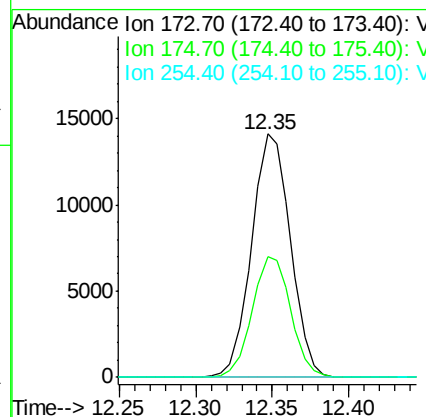
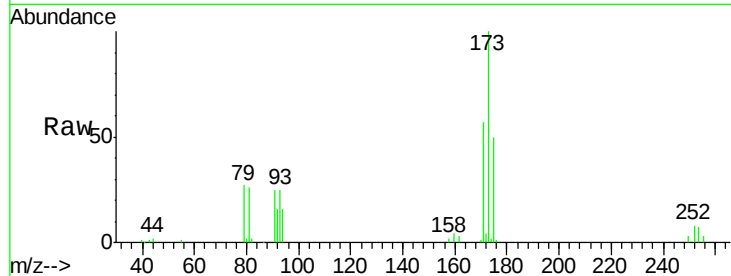
#71
Bromoform
Concen: 36.234 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.01 min
Lab File: VW010531.D
Acq: 23 May 2019 15:48

Instrument :
MSVOA_W
ClientSampleId :
FESB-23(3-3.5)MS

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.4	73.4
254	0.0	0.0	0.0

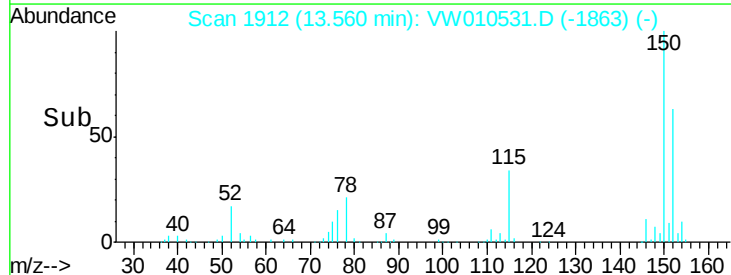
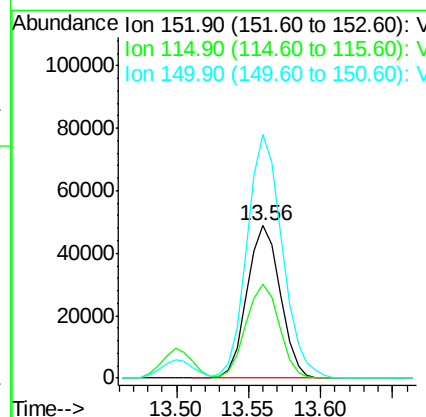
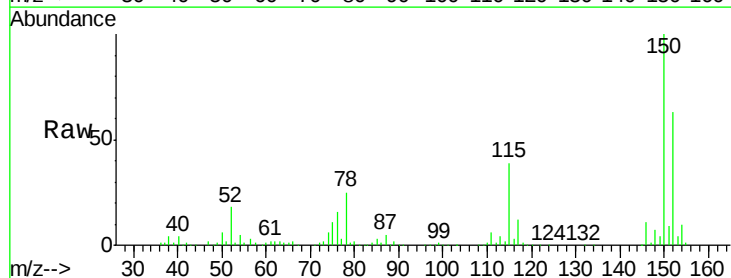
Manual Integrations
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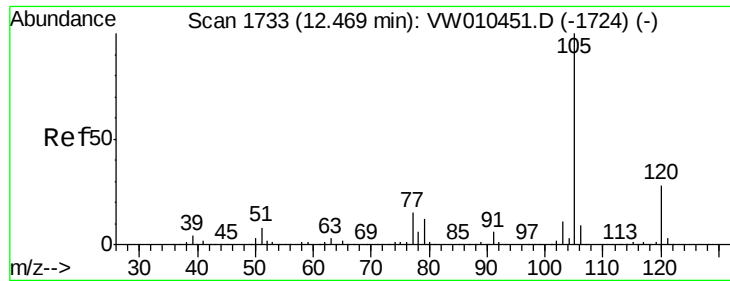
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW010531.D
Acq: 23 May 2019 15:48

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.3	30.3	91.0
150	169.5	0.0	349.8





#73

Isopropylbenzene

Concen: 33.551 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW010531.D

Acq: 23 May 2019 15:48

Instrument :

MSVOA_W

ClientSampleId :

FESB-23(3-3.5)MS

Tot Ion: 105 Resp: 207043

Ion Ratio Lower Upper

105 100

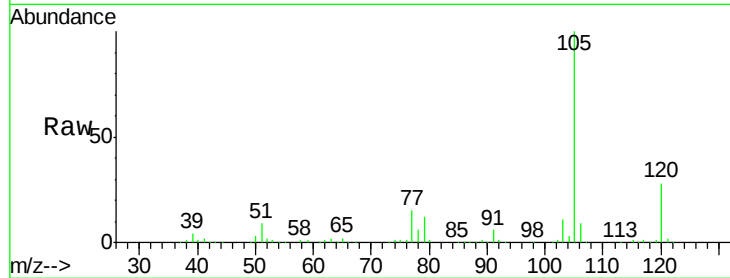
120 27.9 13.9 41.7

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

150000

120000

100000

50000

0

12.46

12.45

12.44

12.43

12.42

12.41

12.40

12.39

12.38

12.37

12.36

12.35

12.34

12.33

12.32

12.31

12.30

12.29

12.28

12.27

12.26

12.25

12.24

12.23

12.22

12.21

12.20

12.19

12.18

12.17

12.16

12.15

12.14

12.13

12.12

12.11

12.10

12.09

12.08

12.07

12.06

12.05

12.04

12.03

12.02

12.01

12.00

11.99

11.98

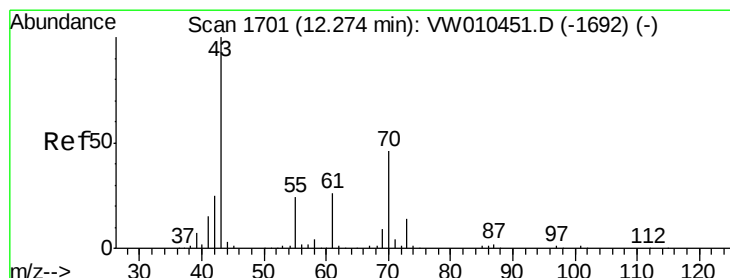
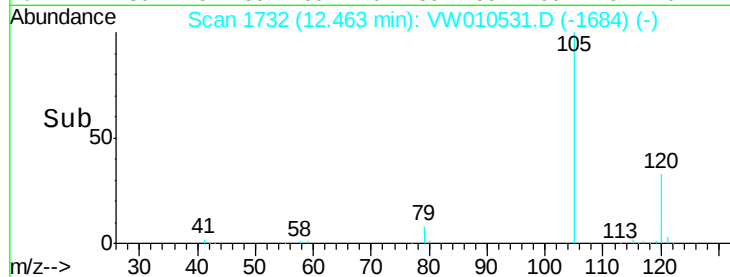
11.97

11.96

11.95

11.94

11.93



#74

N-ethyl acetate

Concen: 32.883 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW010531.D

Acq: 23 May 2019 15:48

Tgt Ion: 43 Resp: 46500

Ion Ratio Lower Upper

43 100

70 49.4 37.1 55.7

55 24.6 19.6 29.4

61 26.6 20.7 31.1

Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV

40000

30000

20000

10000

0

12.27

12.26

12.25

12.24

12.23

12.22

12.21

12.20

12.19

12.18

12.17

12.16

12.15

12.14

12.13

12.12

12.11

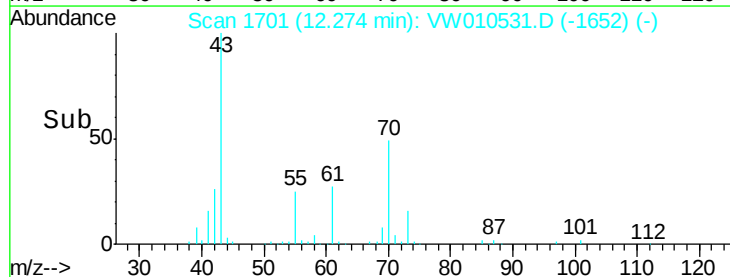
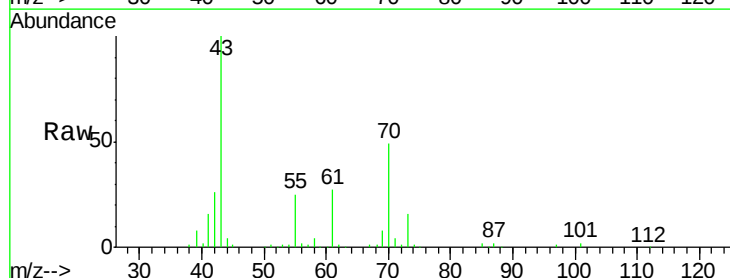
12.10

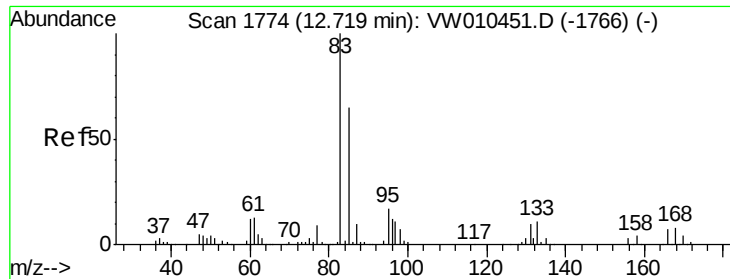
12.09

12.08

12.07

12.06





#75

1,1,2,2-Tetrachloroethane

Concen: 38.337 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW010531.D

Acq: 23 May 2019 15:48

Instrument :

MSVOA_W

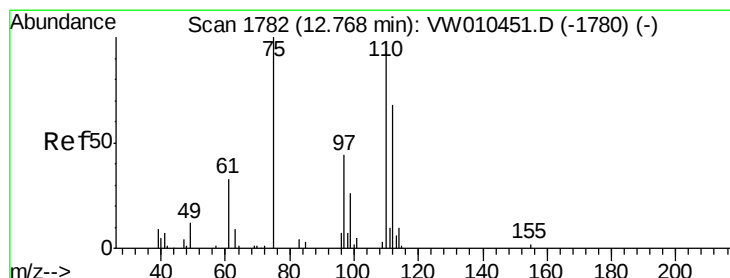
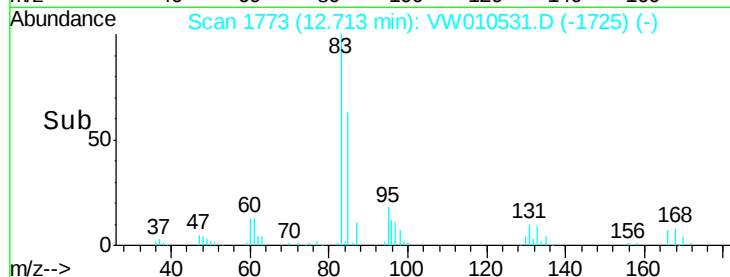
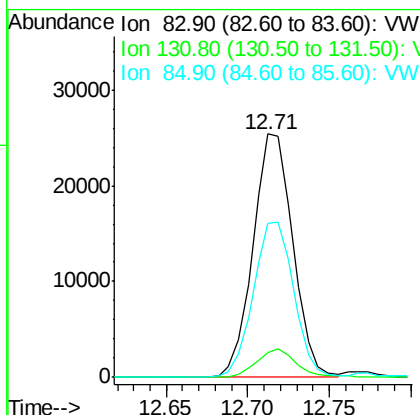
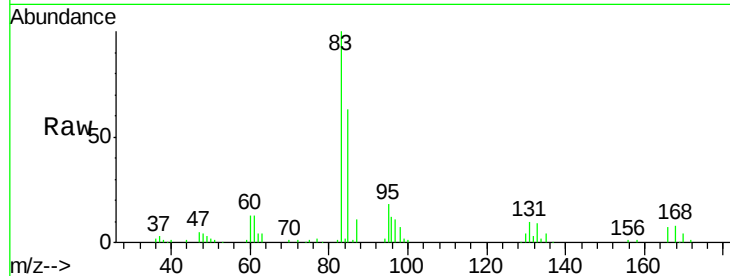
ClientSampleId :

FESB-23(3-3.5)MS

Tot Ion:	83	Resp:	43030
Ion Ratio	Lower	Upper	
83	100		
131	11.5	5.6	16.8
85	64.8	32.4	97.0

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#76

1,2,3-Trichloropropane

Concen: 45.532 ug/l m

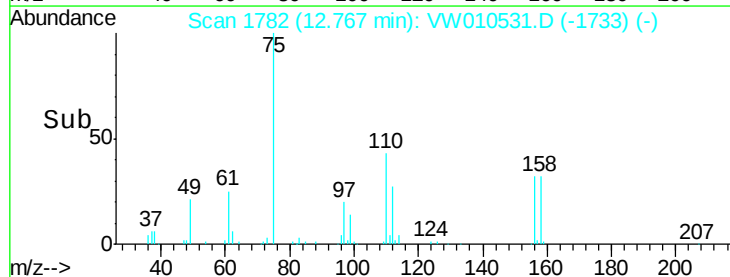
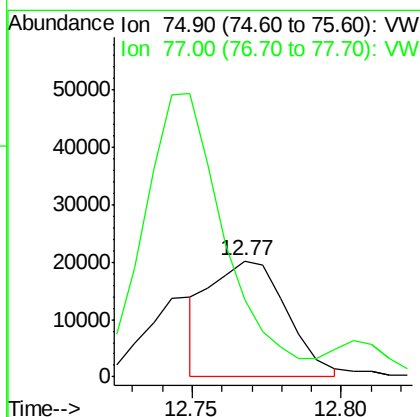
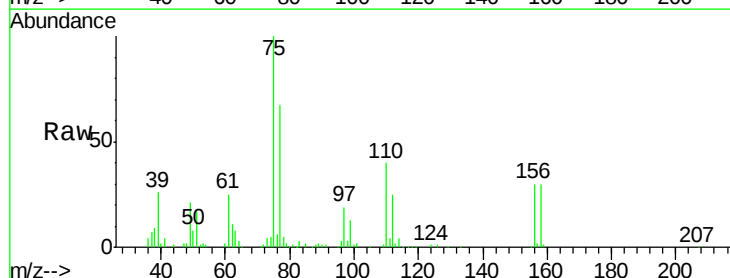
RT: 12.77 min Scan# 1782

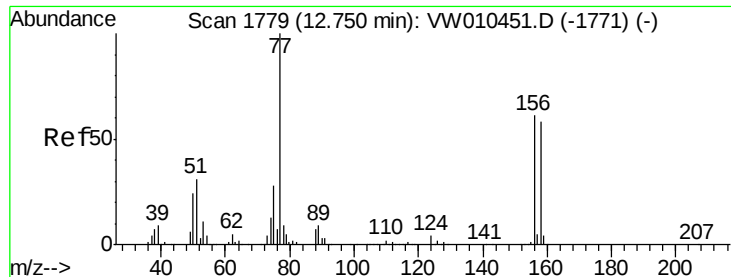
Delta R.T. -0.00 min

Lab File: VW010531.D

Acq: 23 May 2019 15:48

Tgt Ion:	75	Resp:	35941
Ion Ratio	Lower	Upper	
75	100		
77	258.1	170.0	510.1





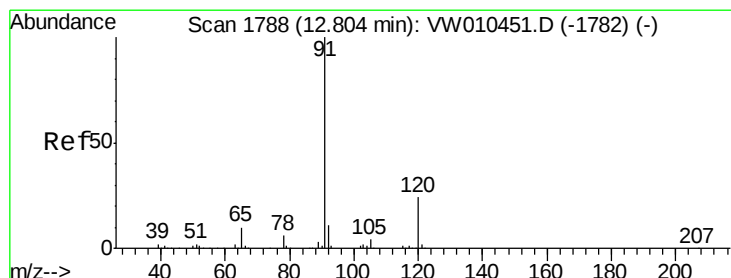
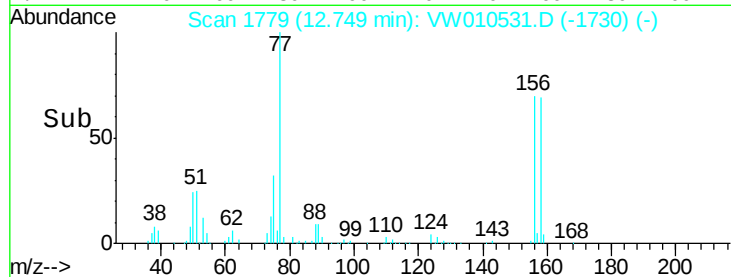
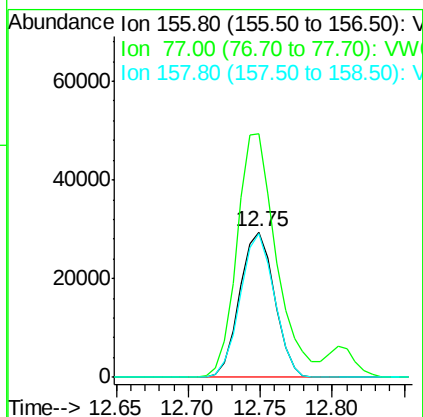
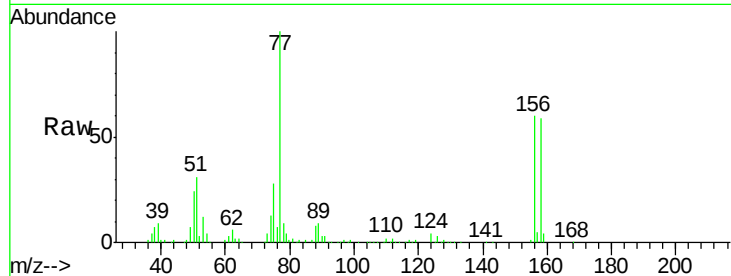
#77
Bromobenzene
Concen: 35.719 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. -0.00 min
Lab File: VW010531.D
Acq: 23 May 2019 15:48

Instrument :
MSVOA_W
ClientSampleId :
FESB-23(3-3.5)MS

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	188.1	92.4	277.2	
158	97.0	48.3	144.8	

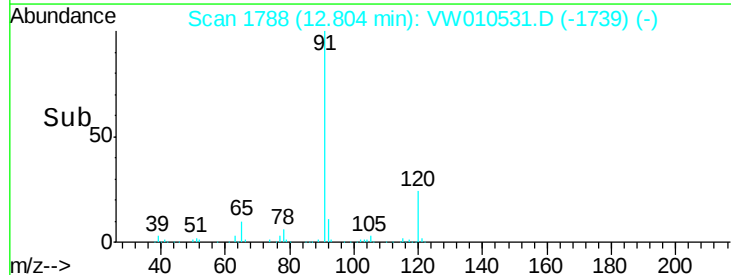
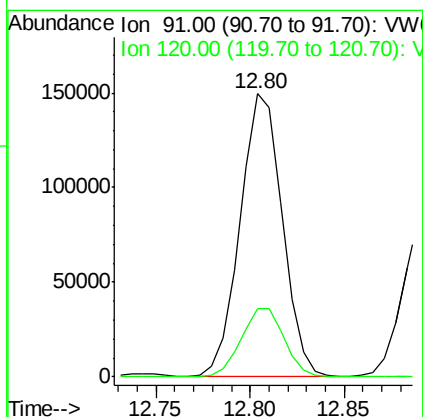
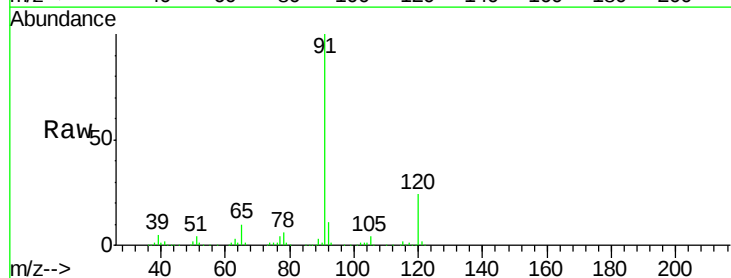
Manual Integrations
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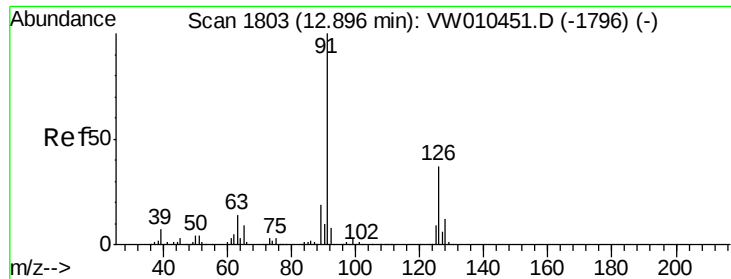
MMDadoda
5/24/2019 10:44:22 PM



#78
n-propylbenzene
Concen: 32.212 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. -0.00 min
Lab File: VW010531.D
Acq: 23 May 2019 15:48

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	24.7	12.3	36.8	





#79

2-Chlorotoluene

Concen: 33.540 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW010531.D

Acq: 23 May 2019 15:48

Instrument :

MSVOA_W

ClientSampleId :

FESB-23(3-3.5)MS

Tot Ion: 91 Resp: 139879

Ion Ratio Lower Upper

91 100

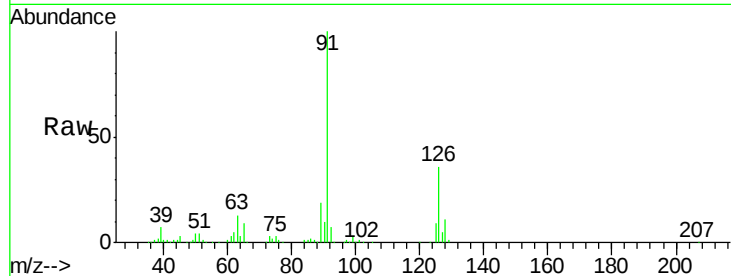
126 35.4 17.4 52.3

Manual Integrations

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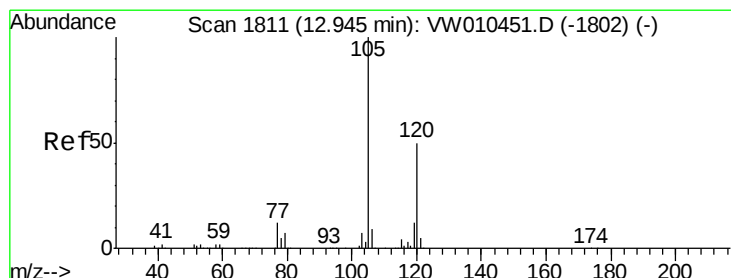
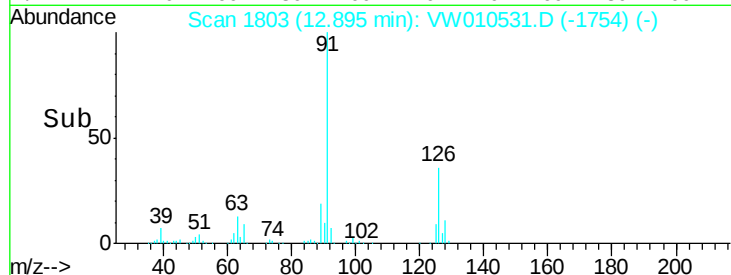
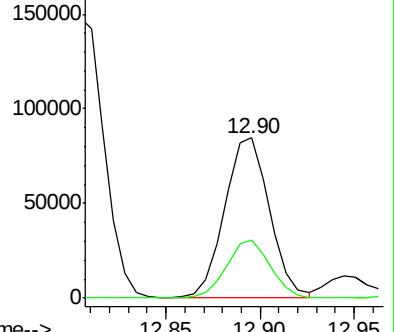
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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 32.795 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW010531.D

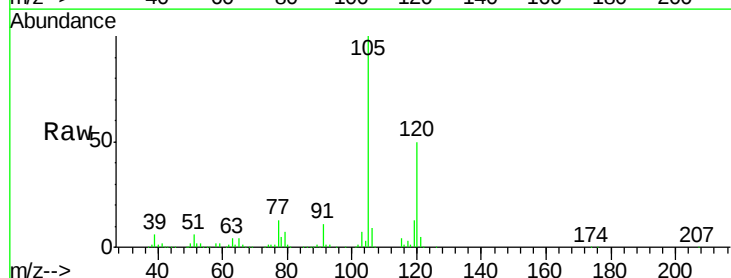
Acq: 23 May 2019 15:48

Tgt Ion:105 Resp: 171400

Ion Ratio Lower Upper

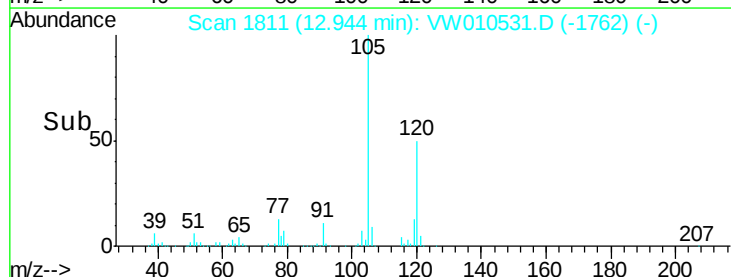
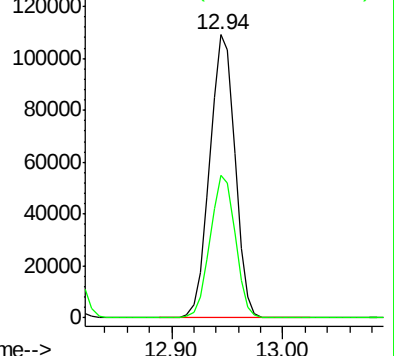
105 100

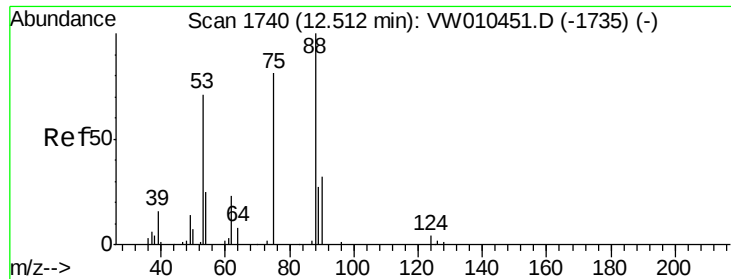
120 50.2 25.2 75.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





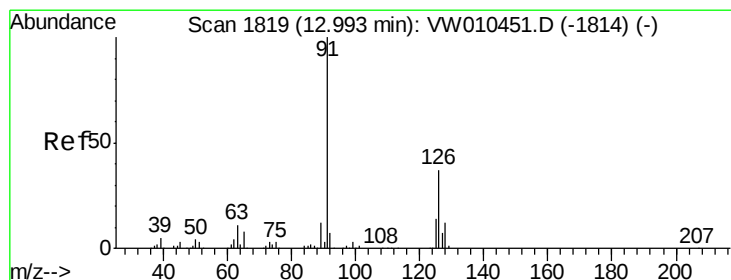
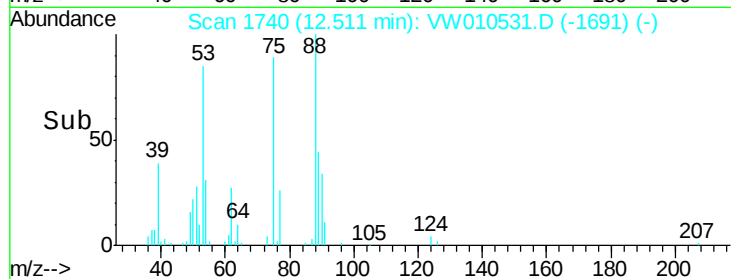
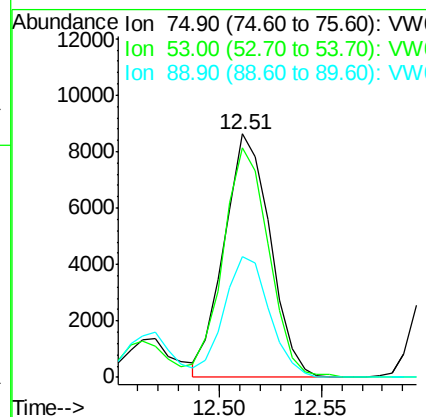
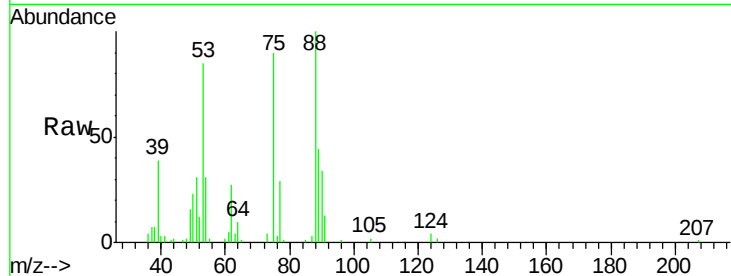
#81
trans-1,4-Dichloro-2-butene
Concen: 35.727 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW010531.D
Acq: 23 May 2019 15:48

Instrument :
MSVOA_W
ClientSampleId :
FESB-23(3-3.5)MS

Tot Ion	Ratio	Lower	Upper
75	100		
53	94.2	69.8	104.8
89	49.1	39.5	59.3

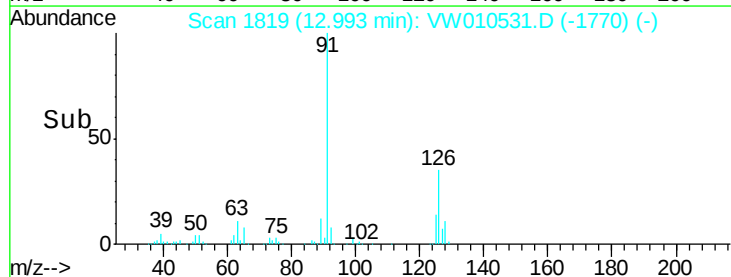
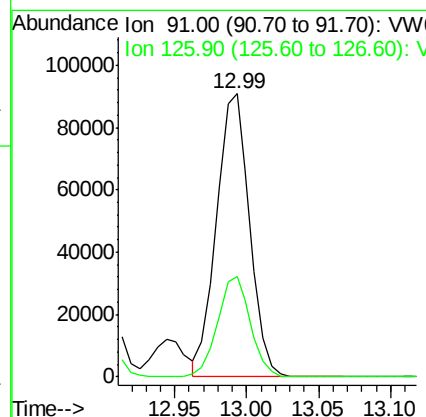
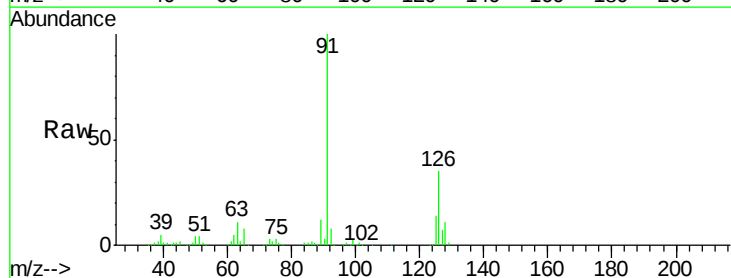
Manual Integrations
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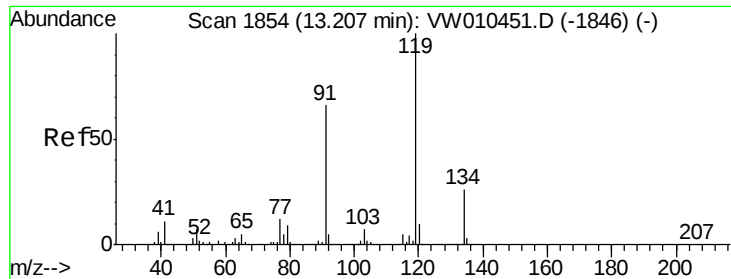
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#82
4-Chlorotoluene
Concen: 33.673 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. -0.00 min
Lab File: VW010531.D
Acq: 23 May 2019 15:48

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.0	17.5	52.6





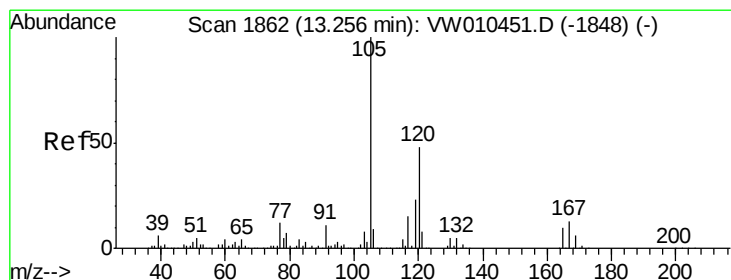
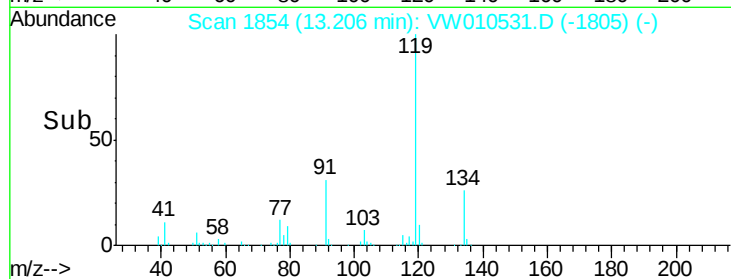
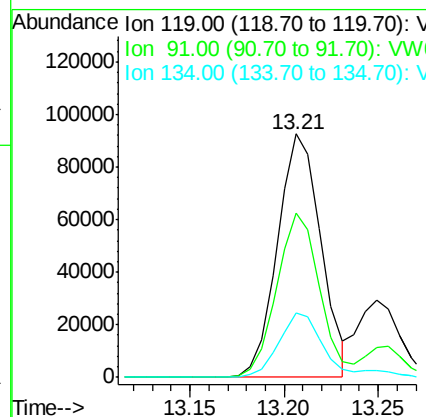
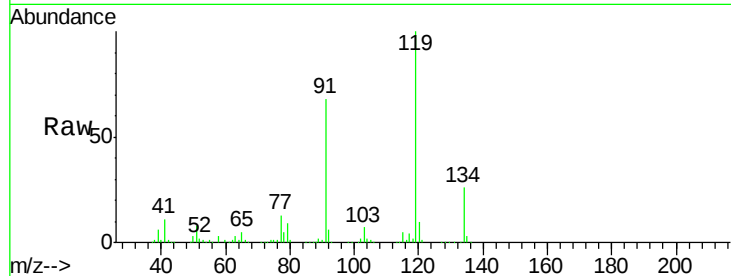
#83
 tert-Butylbenzene
 Concen: 32.409 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW010531.D
 Acq: 23 May 2019 15:48

Instrument :
 MSVOA_W
 ClientSampleId :
 FESB-23(3-3.5)MS

Tot Ion	Ratio	Resp	Lower	Upper
119	100	147958		
91	67.0		33.1	99.5
134	28.2		13.9	41.6

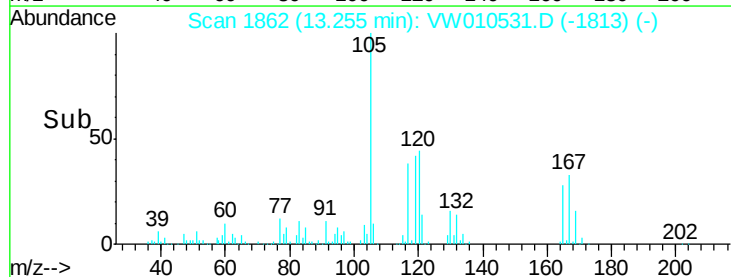
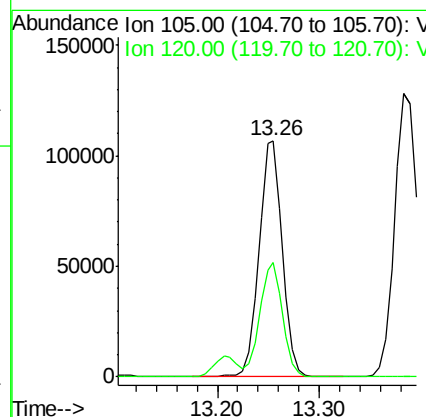
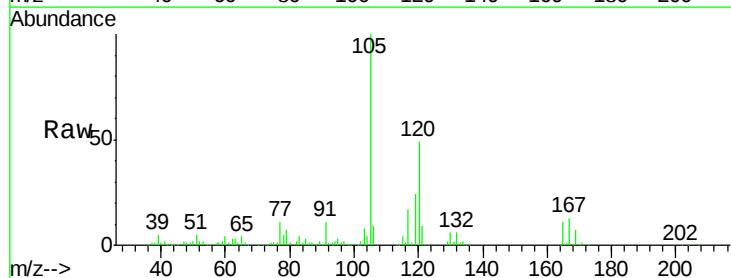
Manual Integrations
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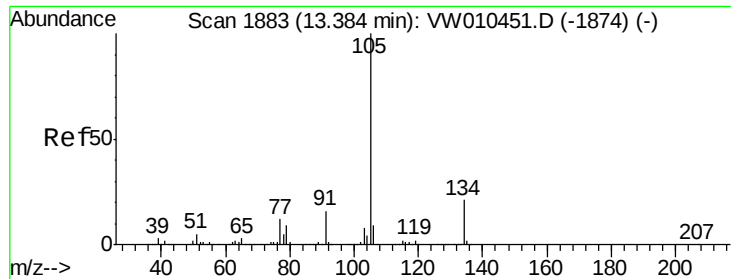
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#84
 1,2,4-Trimethylbenzene
 Concen: 32.764 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW010531.D
 Acq: 23 May 2019 15:48

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	170547		
120	47.2		23.4	70.2





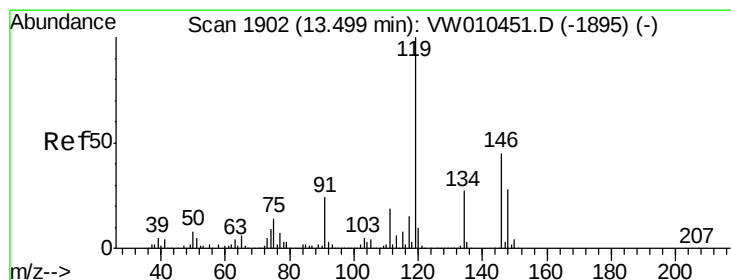
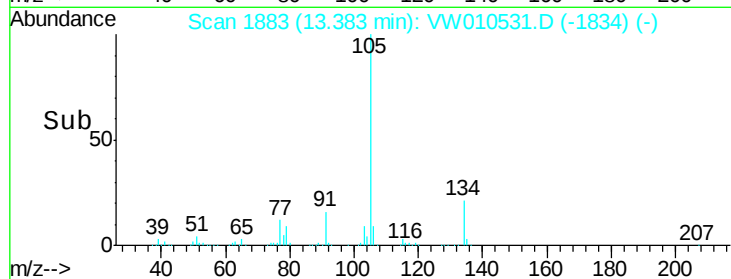
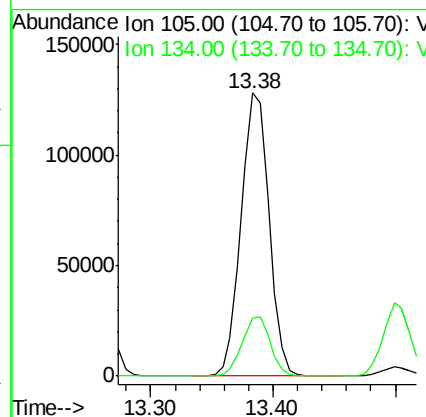
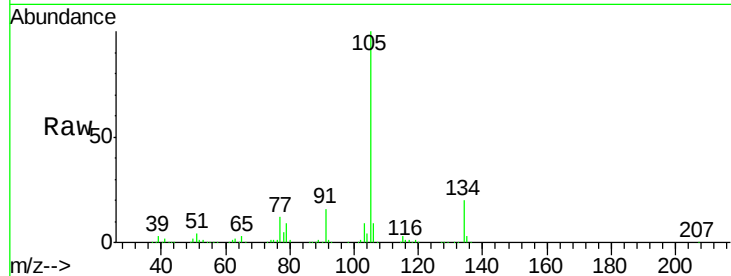
#85
 sec-Butylbenzene
 Concen: 31.682 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW010531.D
 Acq: 23 May 2019 15:48

Instrument :
 MSVOA_W
 ClientSampleId :
 FESB-23(3-3.5)MS

Tot Ion	Ratio	Resp	Lower	Upper
105	100	202413		
134	21.1	10.5	31.6	

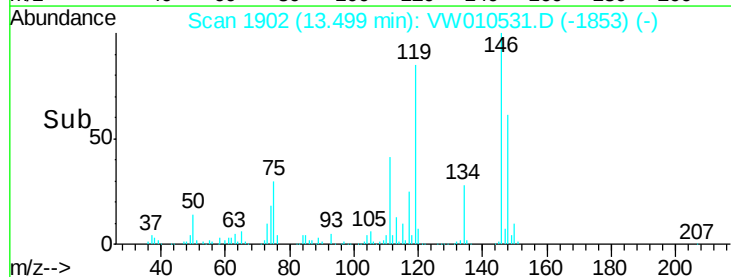
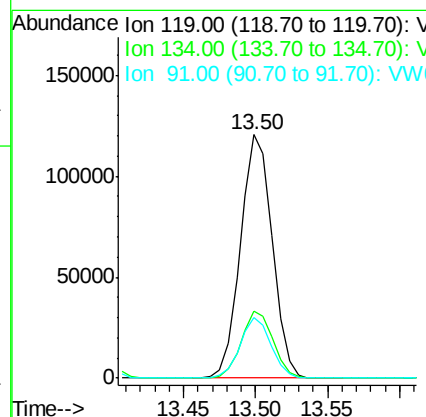
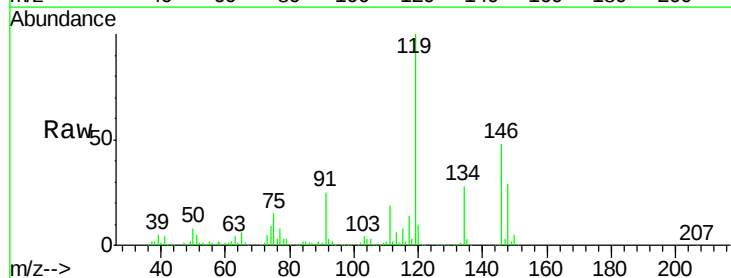
Manual Integrations
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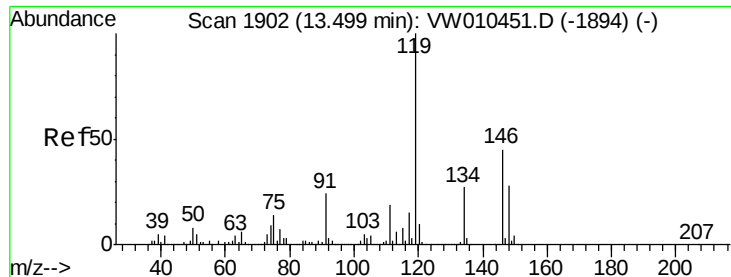
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 5/24/2019 10:44:22 PM



#86
 p-Isopropyltoluene
 Concen: 31.909 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW010531.D
 Acq: 23 May 2019 15:48

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	184522		
134	27.6	13.6	40.7	
91	24.2	11.9	35.7	





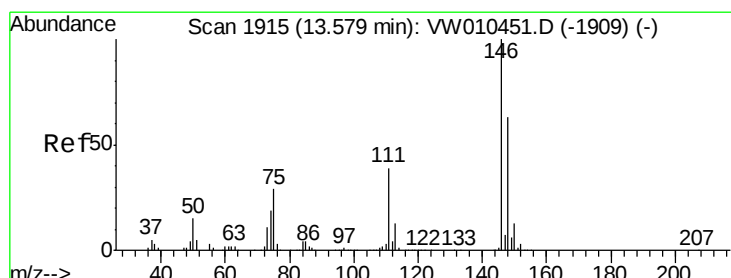
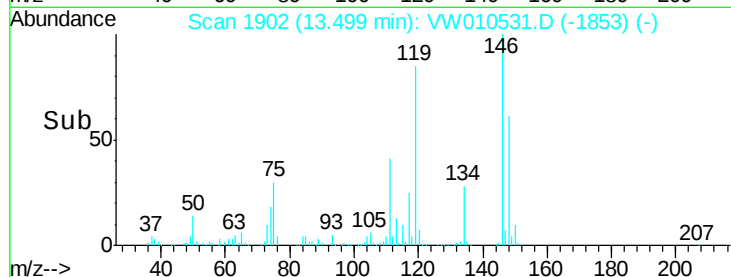
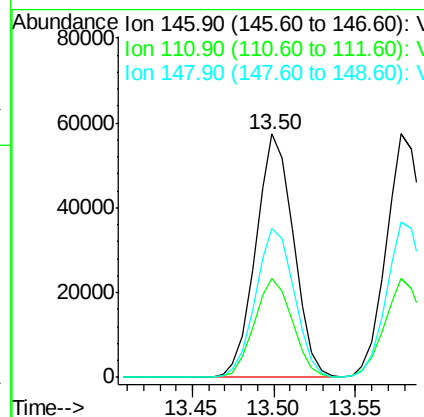
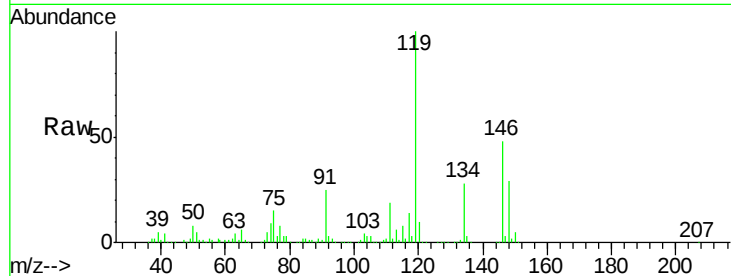
#87
 1,3-Dichlorobenzene
 Concen: 34.059 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW010531.D
 Acq: 23 May 2019 15:48

Instrument :
 MSVOA_W
 ClientSampleId :
 FESB-23(3-3.5)MS

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.3	60.9
148	63.0	31.6	94.8

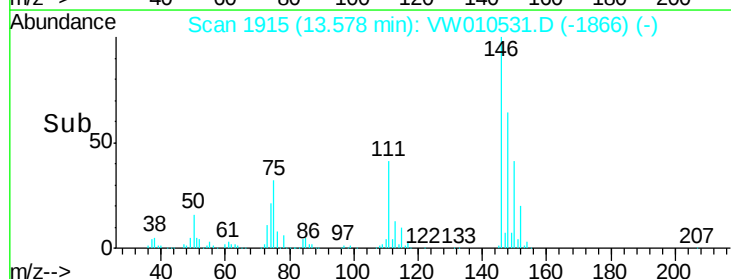
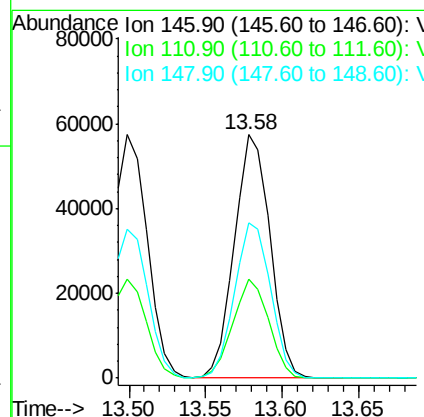
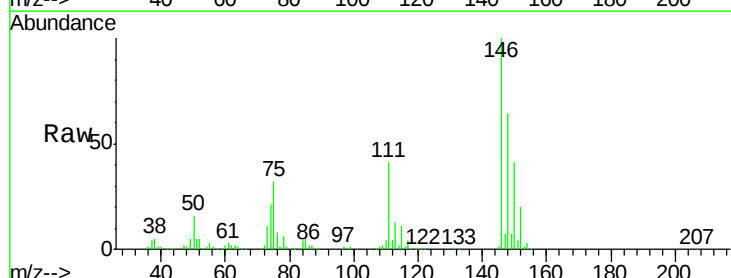
Manual Integrations
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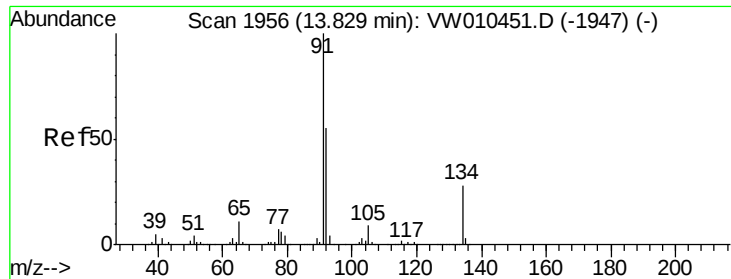
MMDadoda
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#88
 1,4-Dichlorobenzene
 Concen: 34.171 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW010531.D
 Acq: 23 May 2019 15:48

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.2	19.9	59.6
148	64.4	31.6	94.8





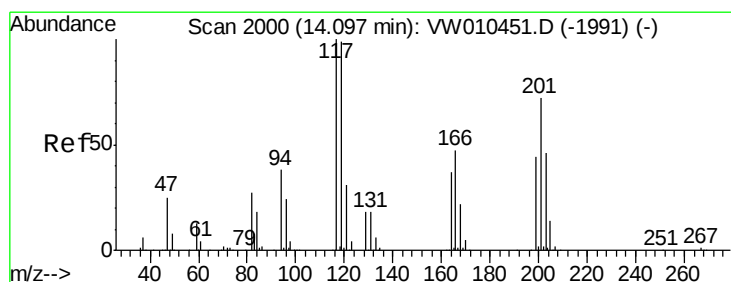
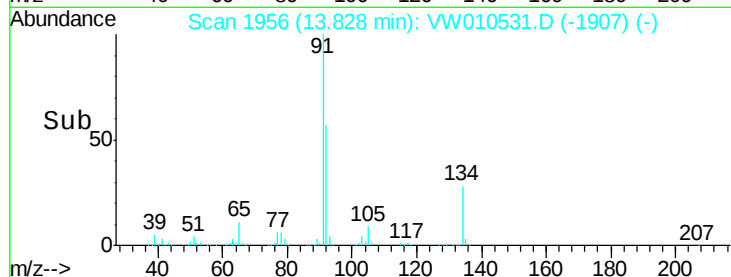
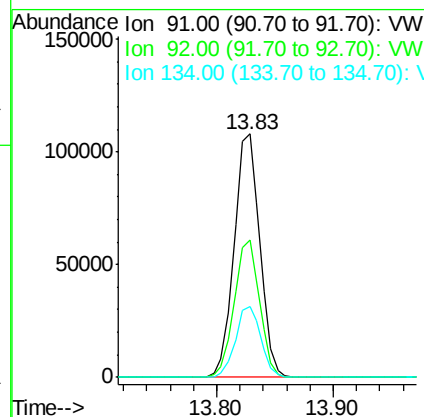
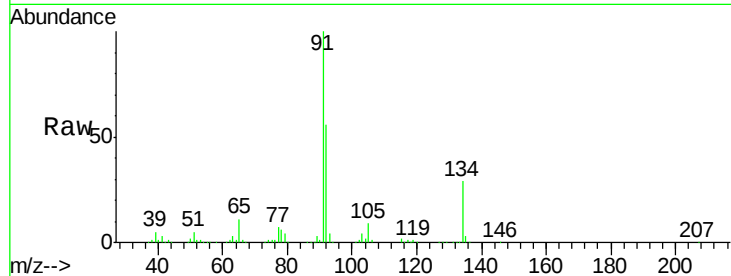
#89
n-Butylbenzene
Concen: 30.042 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW010531.D
Acq: 23 May 2019 15:48

Instrument :
MSVOA_W
ClientSampleId :
FESB-23(3-3.5)MS

Tot Ion	Ratio	Resp	Lower	Upper
91	100	165244		
92	55.9	27.7	83.1	
134	28.6	13.9	41.6	

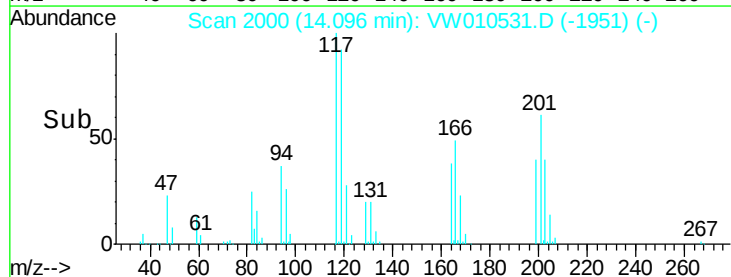
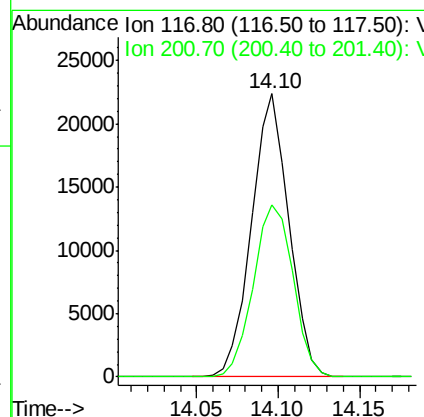
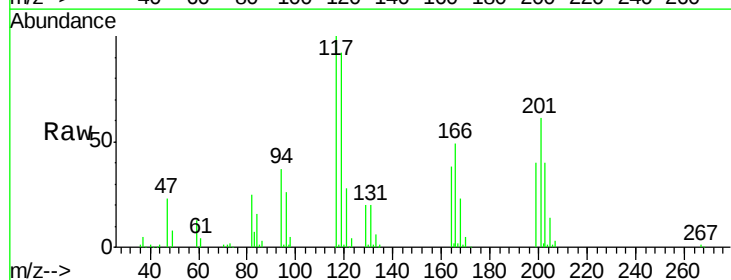
Manual Integrations
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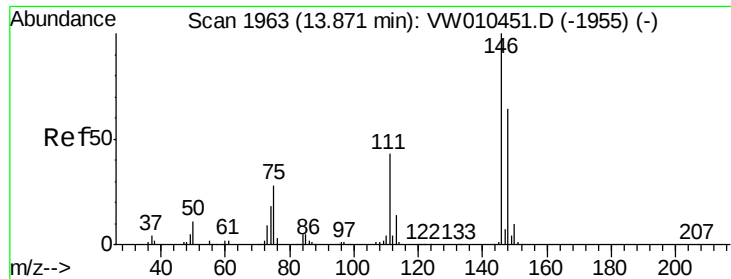
MMDadoda
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#90
Hexachloroethane
Concen: 31.936 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW010531.D
Acq: 23 May 2019 15:48

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	35746		
201	64.7	34.6	103.8	





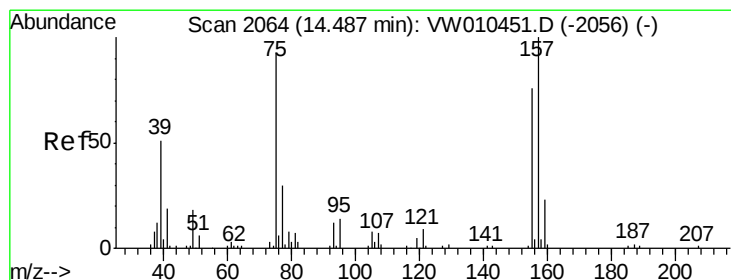
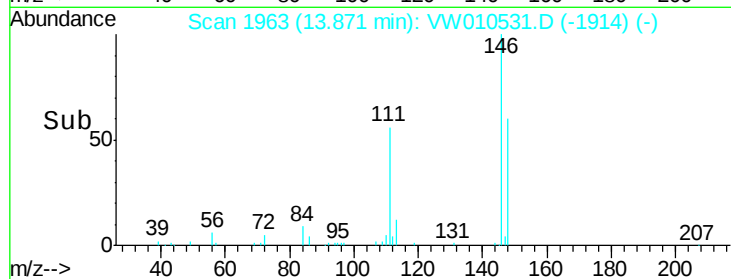
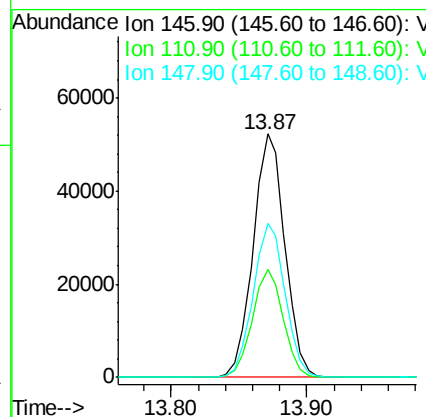
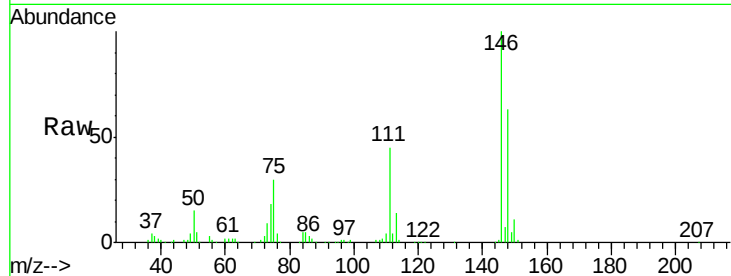
#91
 1,2-Dichlorobenzene
 Concen: 34.677 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW010531.D
 Acq: 23 May 2019 15:48

Instrument :
 MSVOA_W
 ClientSampleId :
 FESB-23(3-3.5)MS

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.1	21.3	64.0
148	63.5	32.0	96.0

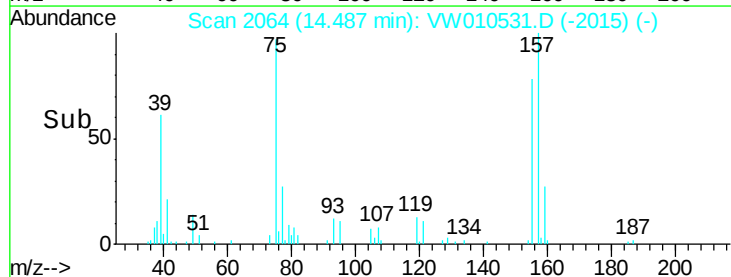
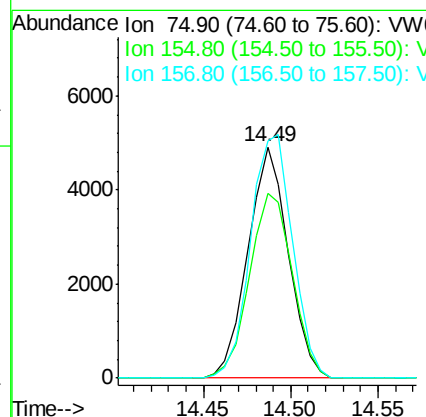
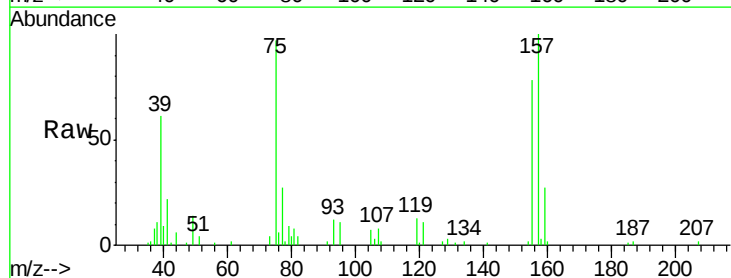
Manual Integrations
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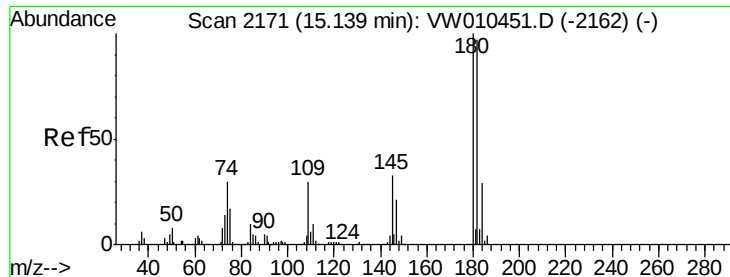
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 37.714 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW010531.D
 Acq: 23 May 2019 15:48

Tgt Ion	Ratio	Lower	Upper
75	100		
155	84.9	43.0	129.0
157	109.8	55.7	167.1





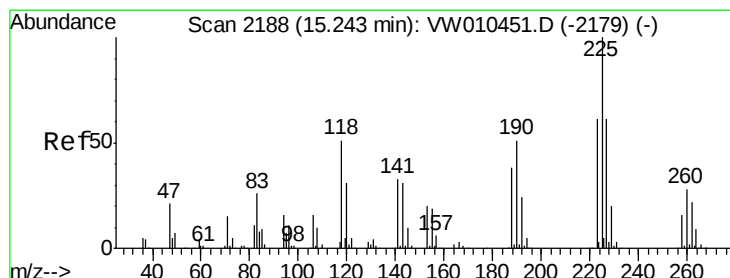
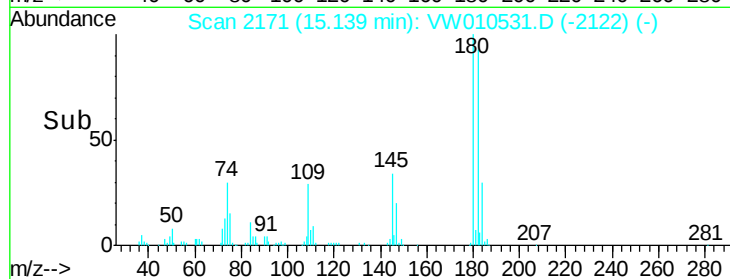
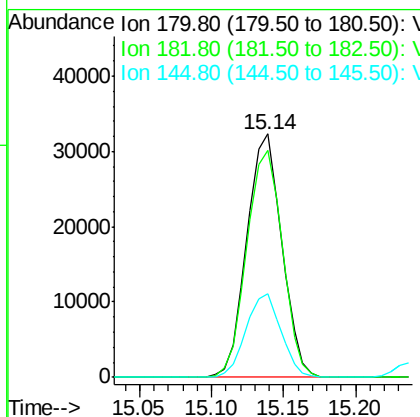
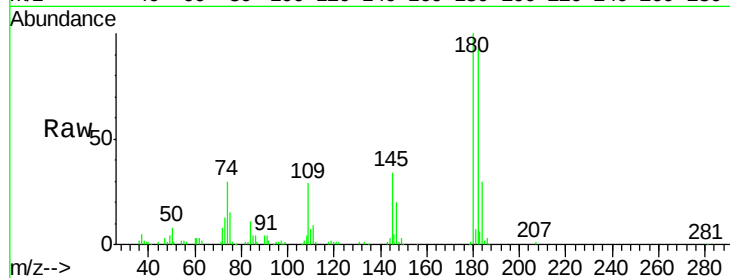
#93
 1,2,4-Trichlorobenzene
 Concen: 32.311 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW010531.D
 Acq: 23 May 2019 15:48

Instrument :
 MSVOA_W
 ClientSampleId :
 FESB-23(3-3.5)MS

Tot Ion	Ratio	Resp	Lower	Upper
180	100	54271		
182	95.1	47.0	141.2	
145	34.2	16.7	50.0	

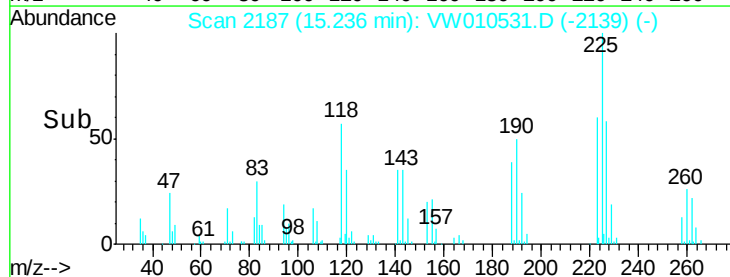
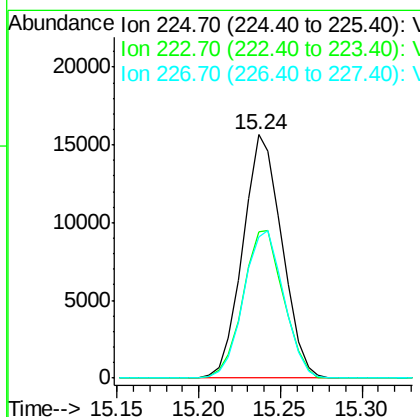
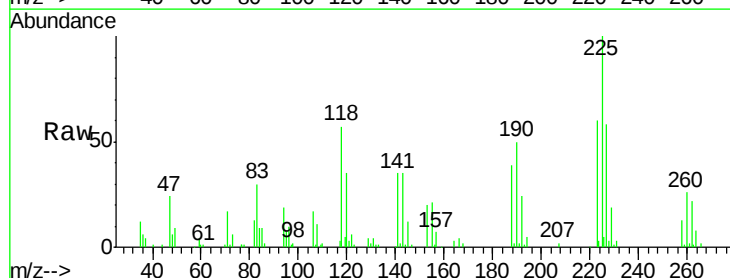
Manual Integrations
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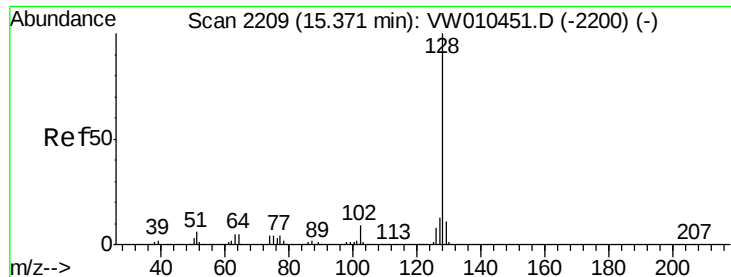
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#94
 Hexachlorobutadiene
 Concen: 29.054 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.01 min
 Lab File: VW010531.D
 Acq: 23 May 2019 15:48

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	26070		
223	63.0	31.1	93.2	
227	62.2	31.1	93.5	





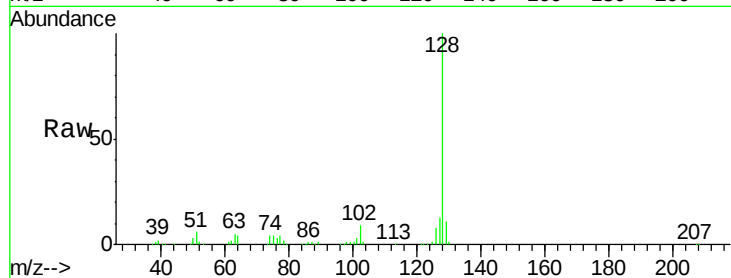
#95
Naphthalene
Concen: 36.592 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW010531.D
Acq: 23 May 2019 15:48

Instrument :
MSVOA_W
ClientSampleId :
FESB-23(3-3.5)MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
128	100		129014		
127	12.9		10.6	15.8	
129	11.0		8.9	13.3	

Manual Integrations
APPROVED

MMDadoda
5/24/2019 10:44:22 PM

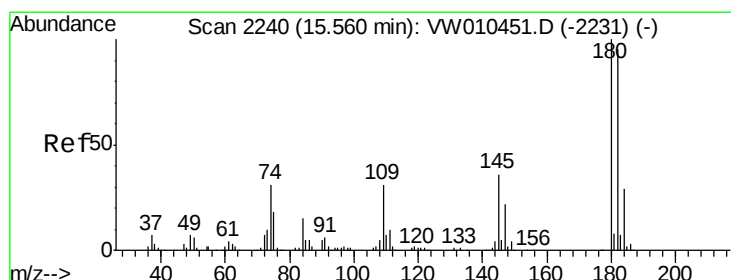
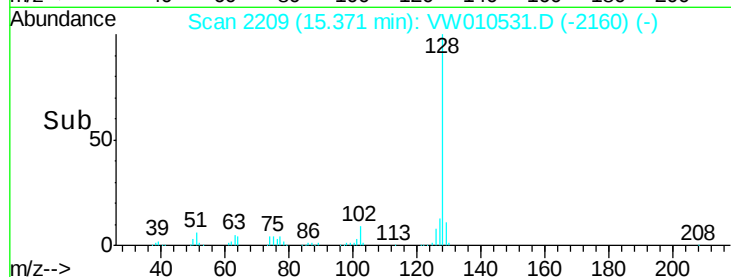
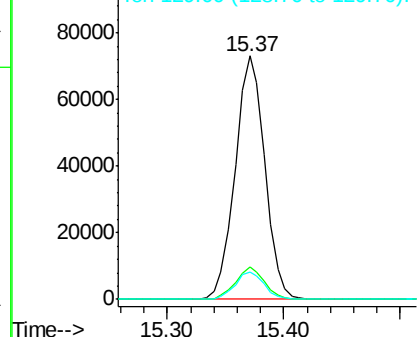


Abundance

Ion 128.00 (127.70 to 128.70): V

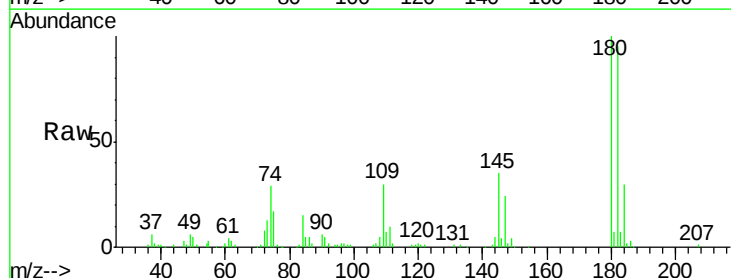
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 34.009 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW010531.D
Acq: 23 May 2019 15:48

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
180	100		49152		
182	94.1		47.1	141.3	
145	35.5		17.4	52.3	



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

