

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW060319\
 Data File : VW010664.D
 Acq On : 03 Jun 2019 17:22
 Operator : SY/VA
 Sample : K3010-04MS
 Misc : 6.67G/5ML/MSVOA W/SOIL
 ALS Vial : 14 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 6/4/2019 12:13:01 PM

Quant Time: Jun 04 08:17:01 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	108911	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	180851	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	159725	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	75332	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	56595	50.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.68%	
35) Dibromofluoromethane	7.88	113	55766	50.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.64%	
50) Toluene-d8	10.32	98	207853	49.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.16%	
62) 4-Bromofluorobenzene	12.62	95	78630	47.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	44831	46.183	ug/l	96
3) Chloromethane	2.22	50	47093	41.154	ug/l	99
4) Vinyl Chloride	2.35	62	55395	41.793	ug/l	100
5) Bromomethane	2.75	94	40007	43.874	ug/l	90
6) Chloroethane	2.90	64	37442	44.004	ug/l	99
7) Trichlorofluoromethane	3.25	101	101476	51.856	ug/l	98
8) Diethyl Ether	3.68	74	32664	52.657	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	61327	50.889	ug/l	96
10) Methyl Iodide	4.27	142	51068	37.074	ug/l	97
11) Tert butyl alcohol	5.18	59	42407	419.389	ug/l	98
12) 1,1-Dichloroethene	4.04	96	58028	50.442	ug/l	93
13) Acrolein	3.89	56	7126	108.299	ug/l	100
14) Allyl chloride	4.67	41	79720	47.875	ug/l	97
15) Acrylonitrile	5.37	53	87935	338.487	ug/l	99
16) Acetone	4.12	43	86567	377.259	ug/l	100
17) Carbon Disulfide	4.37	76	148699	43.336	ug/l	100
18) Methyl Acetate	4.67	43	151064	269.179	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	160443	54.708	ug/l	99
20) Methylene Chloride	4.92	84	64916	48.014	ug/l	99
21) trans-1,2-Dichloroethene	5.43	96	65733	49.816	ug/l	96
22) Diisopropyl ether	6.31	45	157477	46.121	ug/l	95
23) Vinyl Acetate	6.31	43	78652	38.563	ug/l #	68
24) 1,1-Dichloroethane	6.22	63	101467	49.798	ug/l	98
25) 2-Butanone	7.17	43	113951	347.006	ug/l	99
26) 2,2-Dichloropropane	7.17	77	91838	47.318	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	72894	50.813	ug/l	97
28) Bromochloromethane	7.51	49	39587	54.265	ug/l	90
29) Tetrahydrofuran	7.52	42	76347	343.582	ug/l	97
30) Chloroform	7.68	83	110143	50.115	ug/l	100
31) Cyclohexane	7.95	56	92840	43.498	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	106956	50.917	ug/l	98
36) 1,1-Dichloropropene	8.08	75	86439	51.308	ug/l	98
37) Ethyl Acetate	7.25	43	38232	53.365	ug/l	97
38) Carbon Tetrachloride	8.07	117	95290	52.433	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	105209	46.612	ug/l	97
40) Benzene	8.32	78	246699	52.684	ug/l	99
41) Methacrylonitrile	7.48	41	25830	60.679	ug/l	96
42) 1,2-Dichloroethane	8.40	62	72770	54.374	ug/l	99
43) Isopropyl Acetate	8.43	43	77393	54.074	ug/l	99
44) Trichloroethene	9.09	130	74858	53.849	ug/l	99
45) 1,2-Dichloropropane	9.37	63	57148	51.387	ug/l	100
46) Dibromomethane	9.46	93	36991	56.876	ug/l	94
47) Bromodichloromethane	9.65	83	83128	50.862	ug/l	97
48) Methyl methacrylate	9.44	41	47534	72.595	ug/l	98
49) 1,4-Dioxane	9.45	88	20073	1889.334	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	248270	342.324	ug/l	99
52) Toluene	10.39	92	168990	53.738	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	83664	50.544	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	97588	51.623	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	54883	58.682	ug/l	99
56) Ethyl methacrylate	10.65	69	56460	43.772	ug/l	97
57) 1,3-Dichloropropane	10.93	76	89904	57.387	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	168727	295.327	ug/l	97
59) 2-Hexanone	10.97	43	175990	340.173	ug/l	99
60) Dibromochloromethane	11.13	129	65421	55.270	ug/l	98
61) 1,2-Dibromoethane	11.24	107	56286	59.411	ug/l	98
64) Tetrachloroethene	10.86	164	59561	53.493	ug/l	94
65) Chlorobenzene	11.66	112	180635	53.064	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	66116	54.219	ug/l	99
67) Ethyl Benzene	11.73	91	310009	51.581	ug/l	98
68) m/p-Xylenes	11.84	106	244874	103.877	ug/l	99
69) o-Xylene	12.17	106	116092	51.978	ug/l	97
70) Styrene	12.18	104	186353	49.175	ug/l	100
71) Bromoform	12.35	173	39504	58.828	ug/l	# 100
73) Isopropylbenzene	12.46	105	307295	51.406	ug/l	100
74) N-amyl acetate	12.27	43	8642	6.309	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.71	83	67859	62.411	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	49708m	65.006	ug/l	
77) Bromobenzene	12.75	156	76495	57.182	ug/l	97
78) n-propylbenzene	12.80	91	339978	48.802	ug/l	99
79) 2-Chlorotoluene	12.90	91	201731	49.934	ug/l	97
80) 1,3,5-Trimethylbenzene	12.94	105	249158	49.213	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	20671	56.418	ug/l	96
82) 4-Chlorotoluene	12.99	91	210033	50.087	ug/l	99
83) tert-Butylbenzene	13.21	119	217577	49.198	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	252311	50.037	ug/l	99
85) sec-Butylbenzene	13.38	105	285464	46.125	ug/l	99
86) p-Isopropyltoluene	13.50	119	261802	46.735	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	135244	51.531	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	136329	51.772	ug/l	99
89) n-Butylbenzene	13.83	91	221236	41.521	ug/l	99
90) Hexachloroethane	14.10	117	48324	44.568	ug/l	96
91) 1,2-Dichlorobenzene	13.87	146	125559	52.505	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	13394	66.250	ug/l	94

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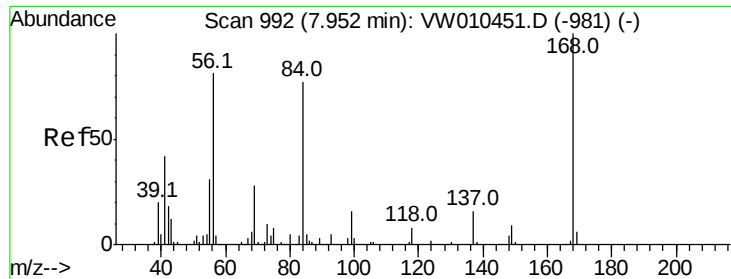
Manual Integrations
APPROVED

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	67936	41.754	ug/l	99
94) Hexachlorobutadiene	15.24	225	30916	35.568	ug/l	98
95) Naphthalene	15.37	128	179407	52.528	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	57299	40.927	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

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MSVOA_W

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Tot Ion:168 Resp: 108911

Ion Ratio Lower Upper

168 100

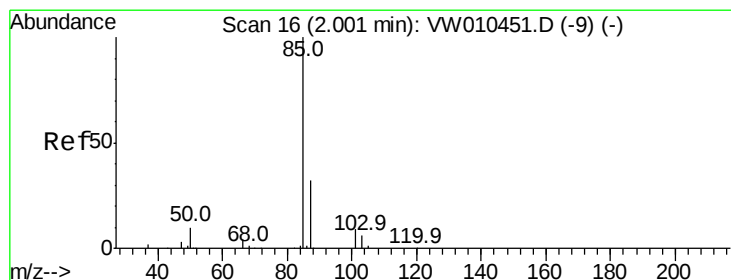
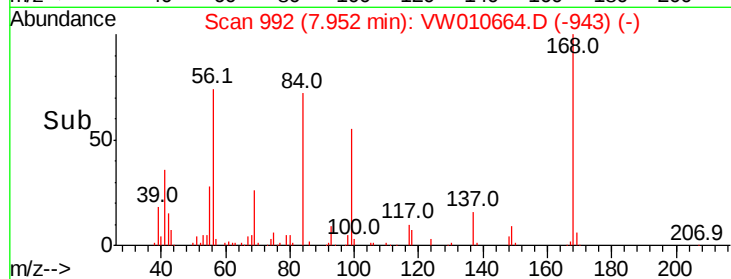
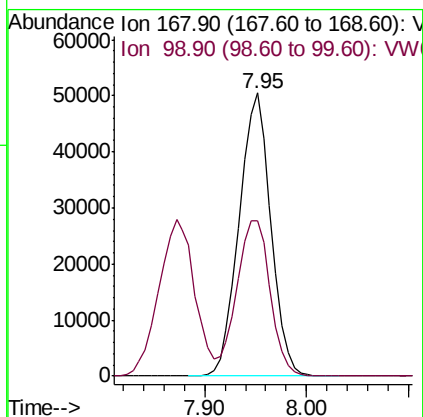
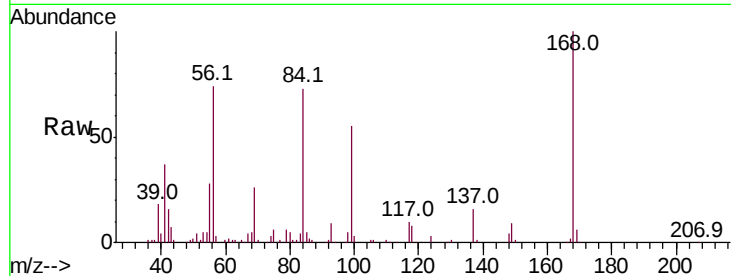
99 54.8 46.1 69.1

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 46.183 ug/l

RT: 2.00 min Scan# 16

Delta R.T. 0.00 min

Lab File: VW010664.D

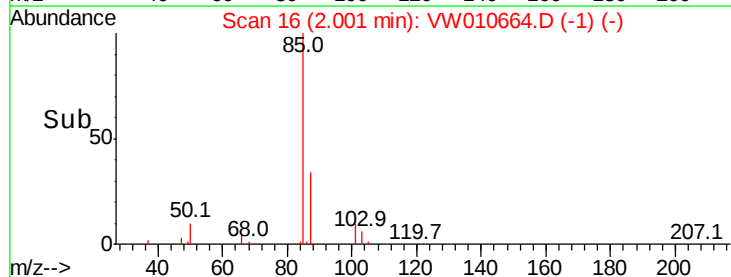
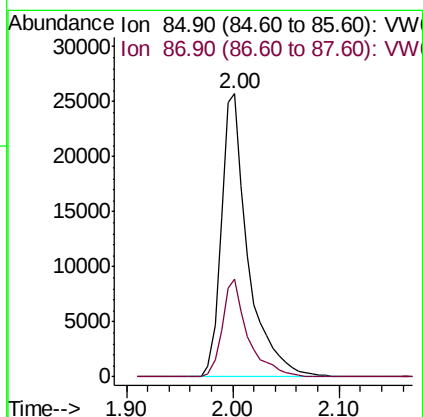
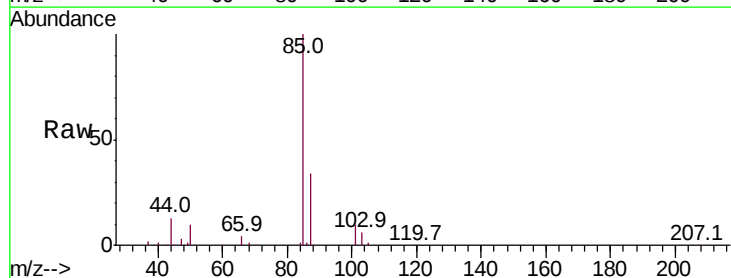
Acq: 03 Jun 2019 17:22

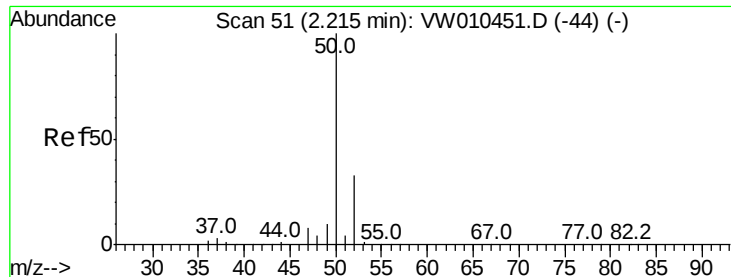
Tgt Ion: 85 Resp: 44831

Ion Ratio Lower Upper

85 100

87 34.5 16.3 48.8





#3

Chloromethane

Concen: 41.154 ug/l

RT: 2.22 min Scan# 52

Delta R.T. 0.01 min

Lab File: VW010664.D

Acq: 03 Jun 2019 17:22

Instrument :

MSVOA_W

ClientSampleId :

FESB-23(3-3.5)MS

Tot Ion: 50 Resp: 47093

Ion Ratio Lower Upper

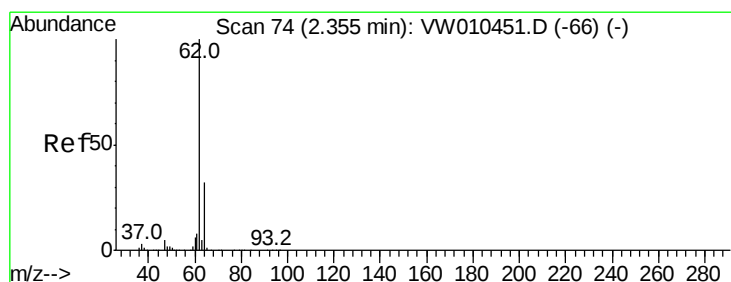
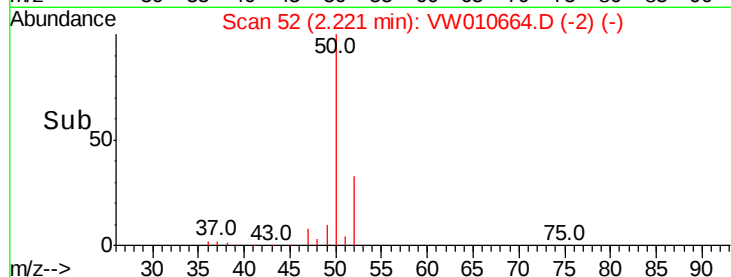
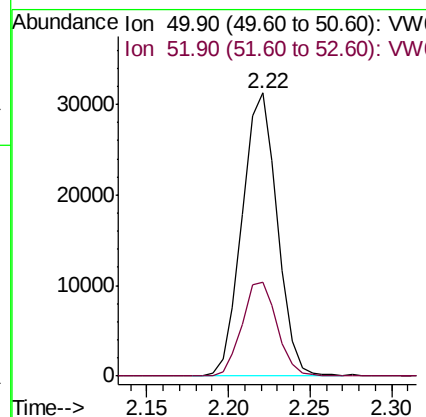
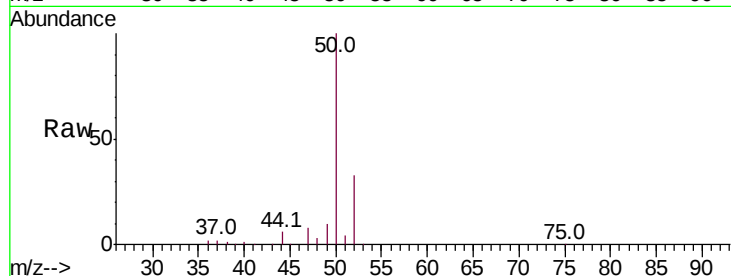
50 100

52 33.2 26.3 39.5

Manual Integrations
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#4

Vinyl Chloride

Concen: 41.793 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.00 min

Lab File: VW010664.D

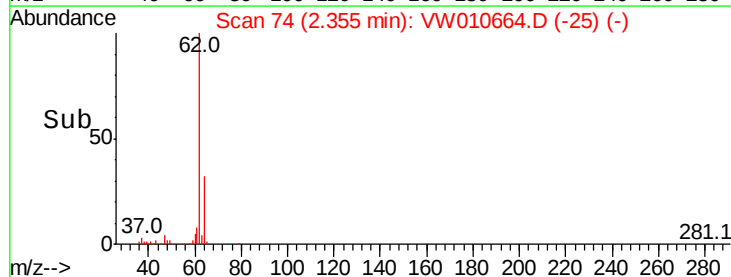
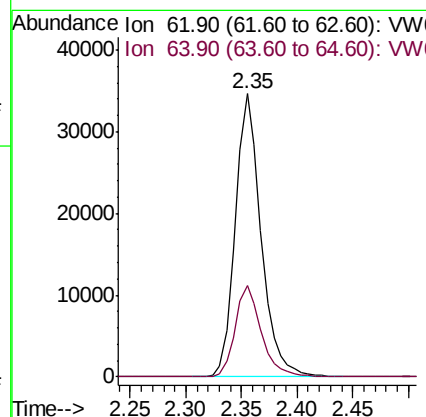
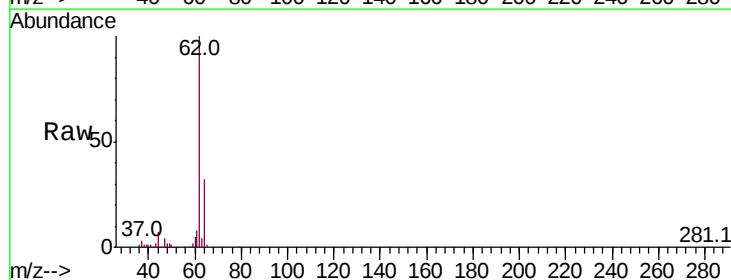
Acq: 03 Jun 2019 17:22

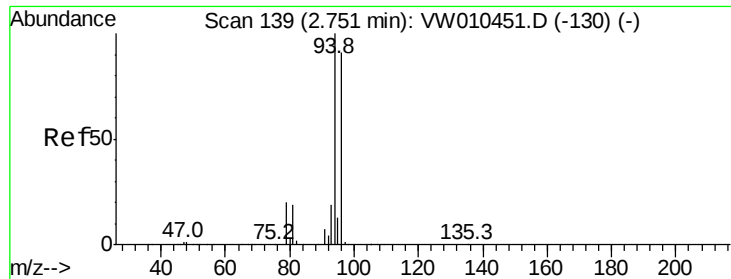
Tgt Ion: 62 Resp: 55395

Ion Ratio Lower Upper

62 100

64 32.3 25.8 38.8





#5

Bromomethane

Concen: 43.874 ug/l

RT: 2.75 min Scan# 138

Delta R.T. -0.01 min

Lab File: VW010664.D

Acq: 03 Jun 2019 17:22

Instrument :

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FESB-23(3-3.5)MS

Tot Ion: 94 Resp: 40007

Ion Ratio Lower Upper

94 100

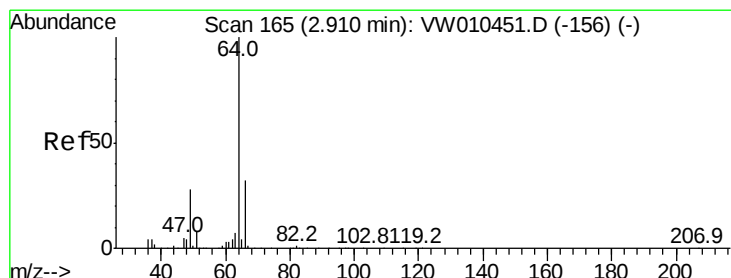
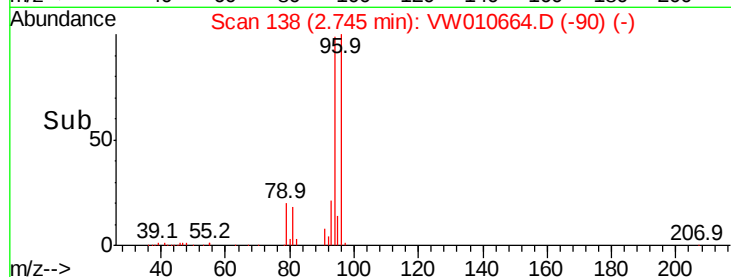
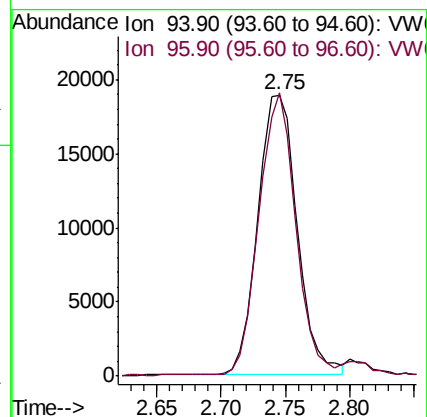
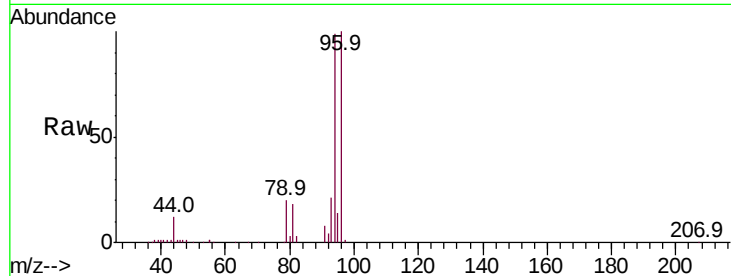
96 100.4 72.9 109.3

Manual Integrations

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#6

Chloroethane

Concen: 44.004 ug/l

RT: 2.90 min Scan# 164

Delta R.T. -0.01 min

Lab File: VW010664.D

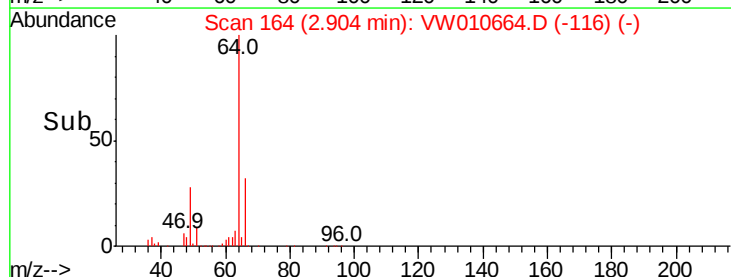
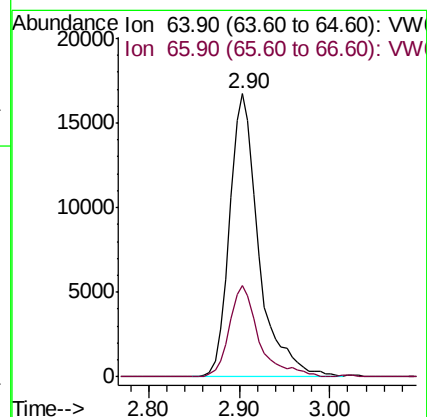
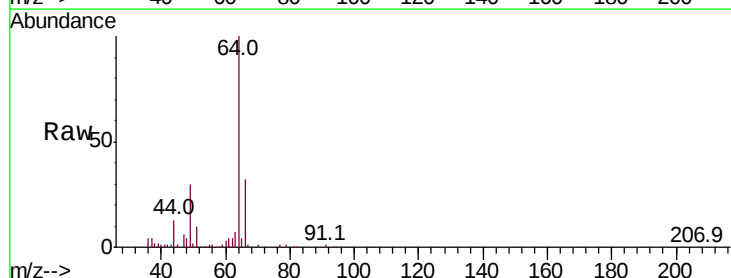
Acq: 03 Jun 2019 17:22

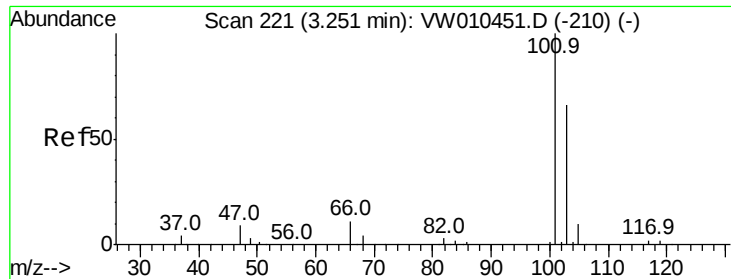
Tgt Ion: 64 Resp: 37442

Ion Ratio Lower Upper

64 100

66 32.3 25.5 38.3





#7

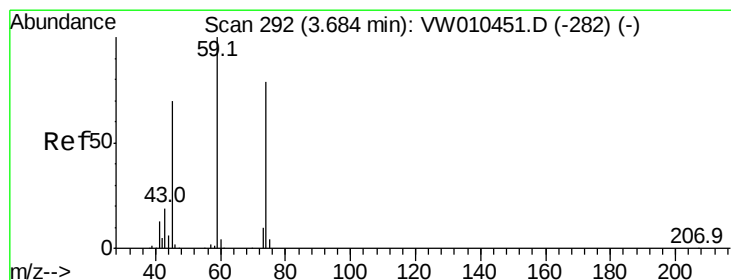
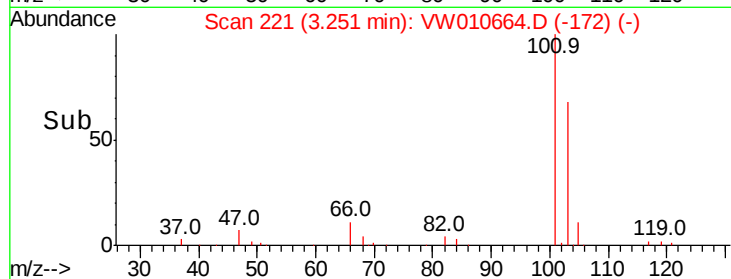
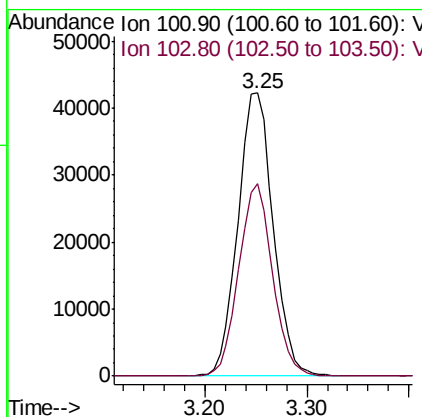
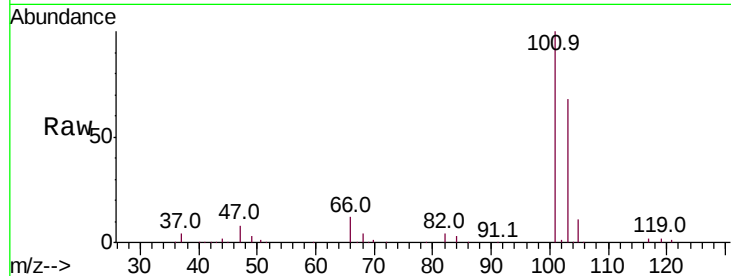
Trichlorofluoromethane
 Concen: 51.856 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.00 min
 Lab File: VW010664.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	68.1	53.0	79.4

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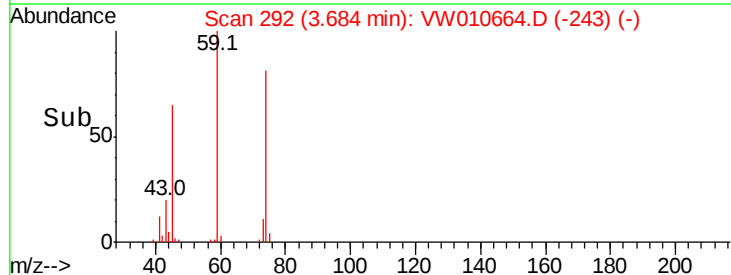
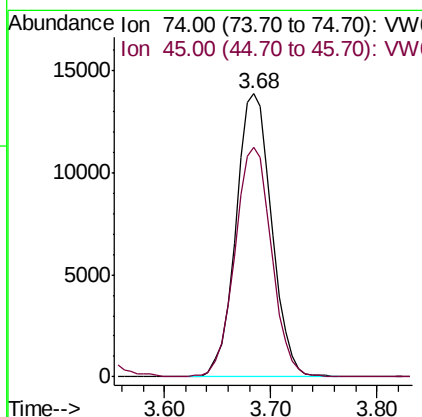
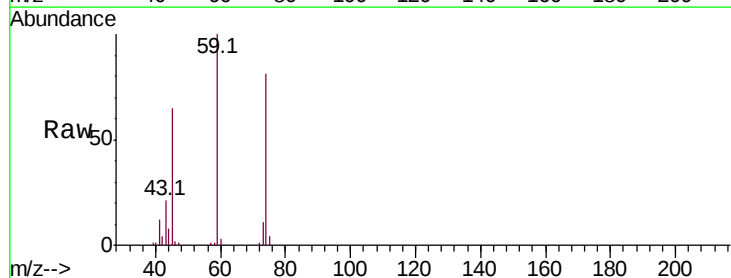
MMDadoda
 6/4/2019 12:13:01 PM

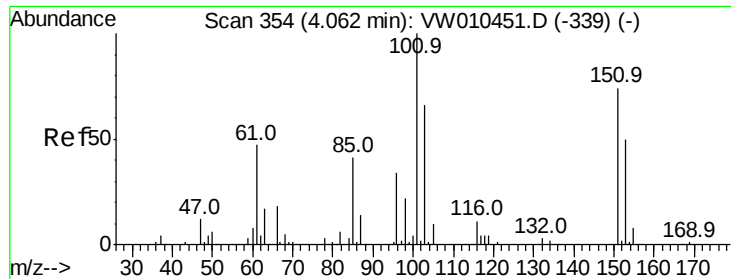


#8

Diethyl Ether
 Concen: 52.657 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. -0.00 min
 Lab File: VW010664.D
 Acq: 03 Jun 2019 17:22

Tgt Ion	Ratio	Lower	Upper
74	100		
45	83.0	42.9	128.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.889 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW010664.D

Acq: 03 Jun 2019 17:22

Instrument :

MSVOA_W

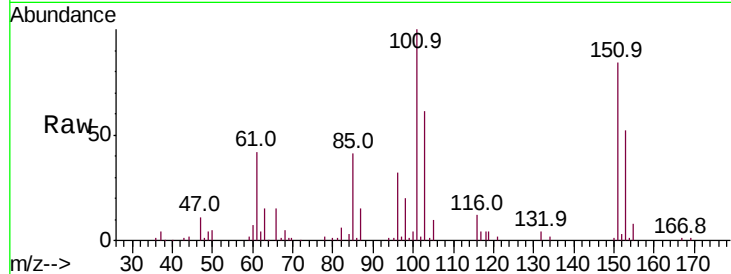
ClientSampleId :

FESB-23(3-3.5)MS

Tot Ion:	101	Resp:	61327
Ion Ratio	Lower	Upper	
101	100		
85	42.7	34.3	51.5
151	80.6	60.3	90.5

Manual Integrations
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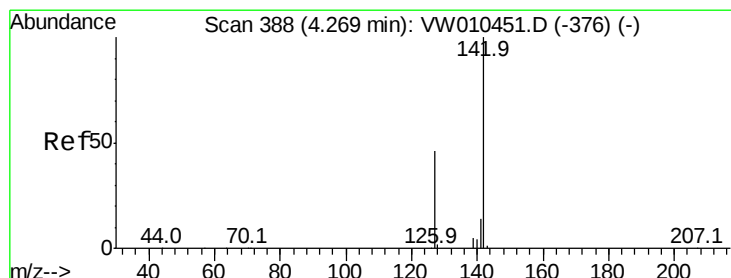
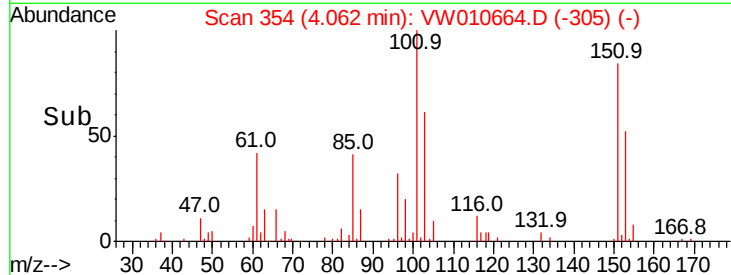
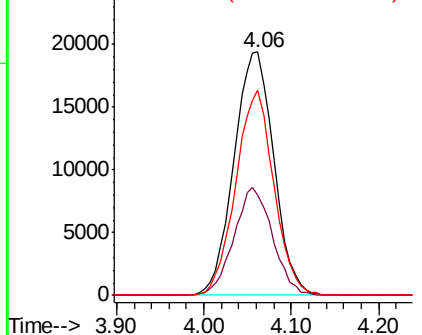


Abundance

Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 37.074 ug/l

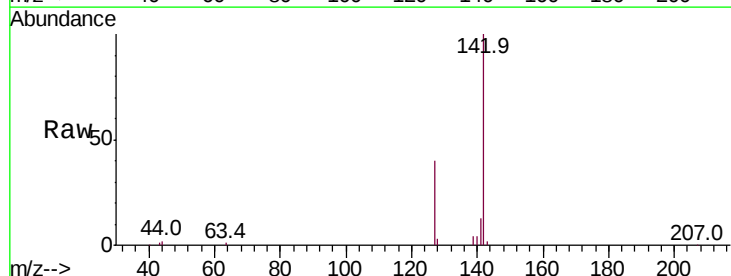
RT: 4.27 min Scan# 388

Delta R.T. -0.00 min

Lab File: VW010664.D

Acq: 03 Jun 2019 17:22

Tgt Ion:	142	Resp:	51068
Ion Ratio	Lower	Upper	
142	100		
127	42.3	36.1	54.1
141	14.1	11.3	16.9

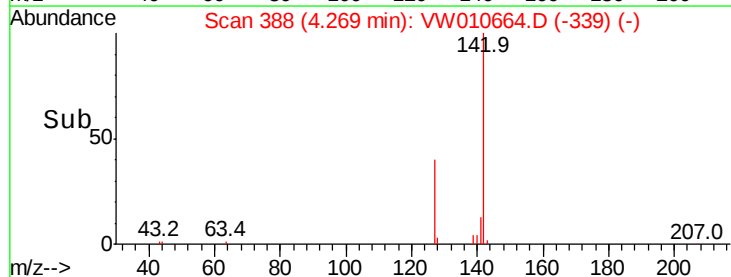
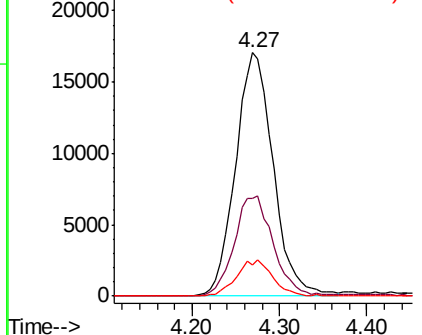


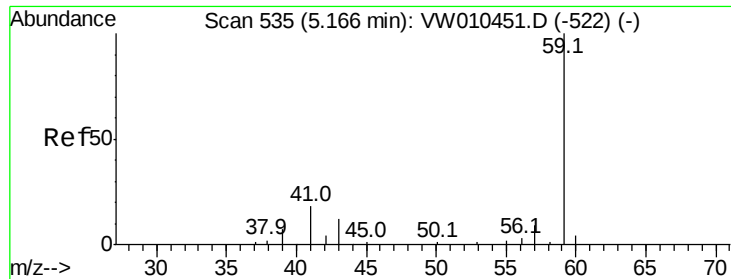
Abundance

Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





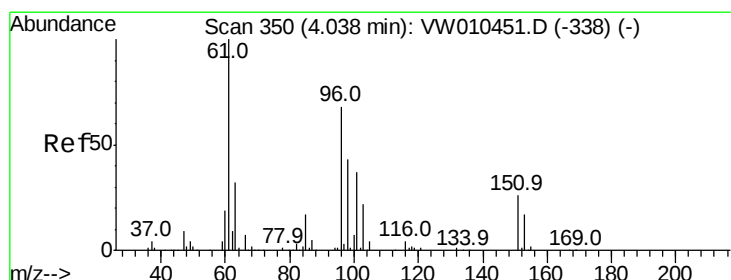
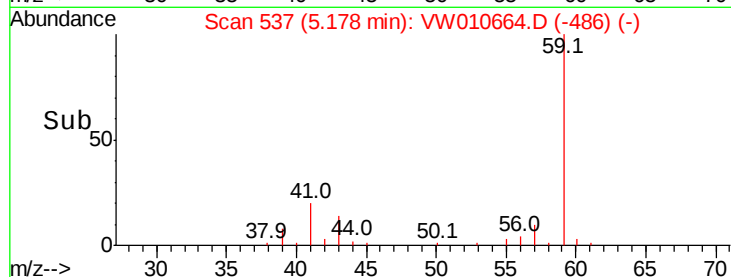
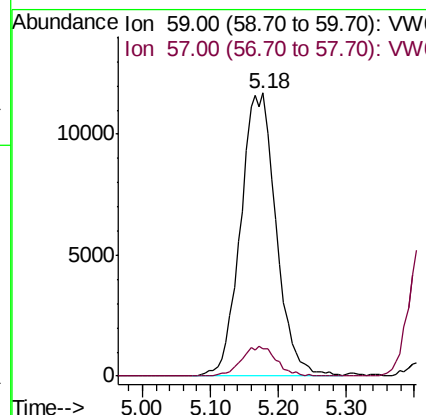
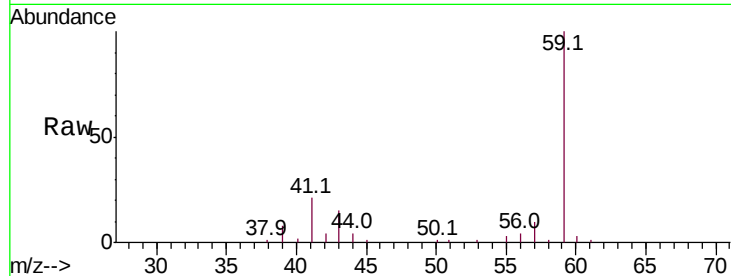
#11
Tert butyl alcohol
Concen: 419.389 ug/l
RT: 5.18 min Scan# 537
Delta R.T. 0.01 min
Lab File: VW010664.D
Acq: 03 Jun 2019 17:22

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

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.8	13.2

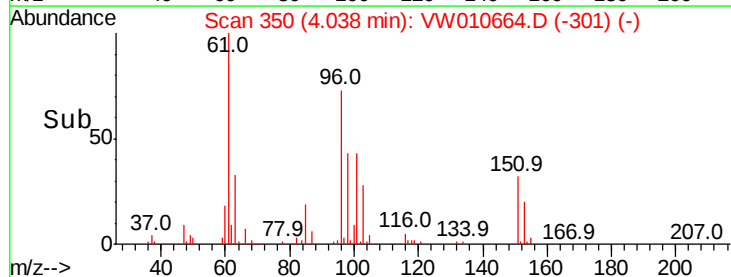
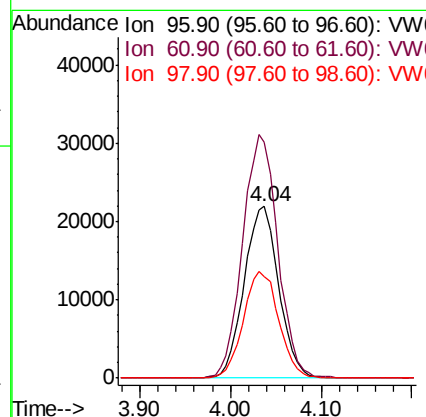
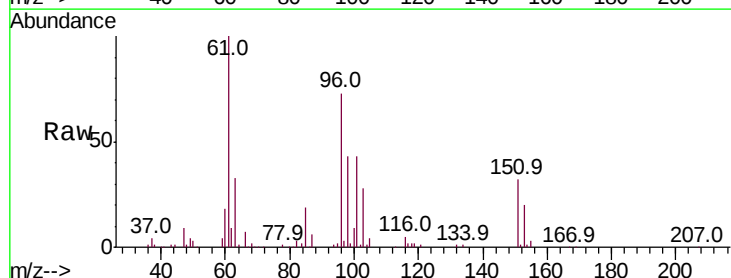
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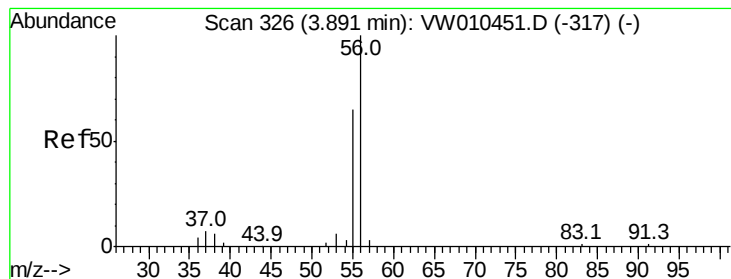
MMDadoda
6/4/2019 12:13:01 PM



#12
1,1-Dichloroethene
Concen: 50.442 ug/l
RT: 4.04 min Scan# 350
Delta R.T. -0.00 min
Lab File: VW010664.D
Acq: 03 Jun 2019 17:22

Tgt Ion	Ratio	Lower	Upper
96	100		
61	137.8	118.3	177.5
98	59.2	51.0	76.6





#13

Acrolein

Concen: 108.299 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW010664.D

Acq: 03 Jun 2019 17:22

Instrument :

MSVOA_W

ClientSampleId :

FESB-23(3-3.5)MS

Tot Ion: 56 Resp: 7126

Ion Ratio Lower Upper

56 100

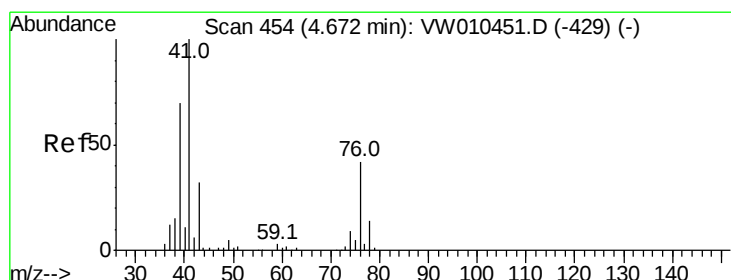
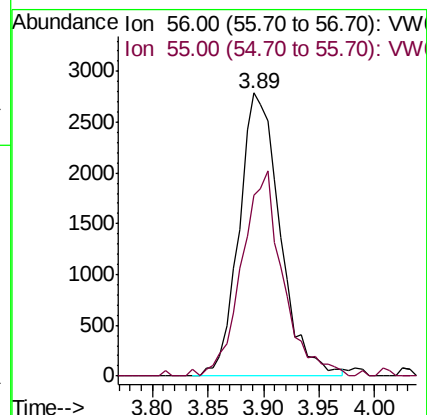
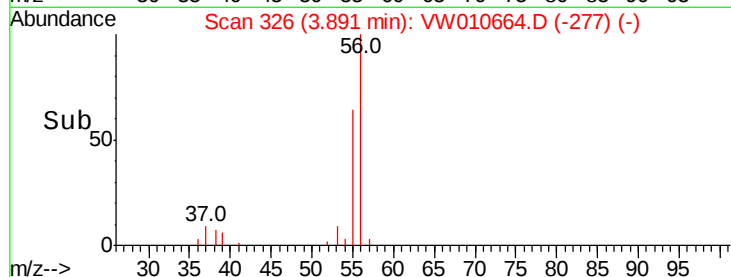
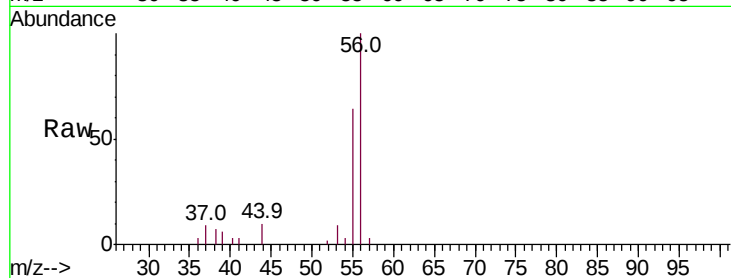
55 72.7 57.9 86.9

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#14

Allyl chloride

Concen: 47.875 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.00 min

Lab File: VW010664.D

Acq: 03 Jun 2019 17:22

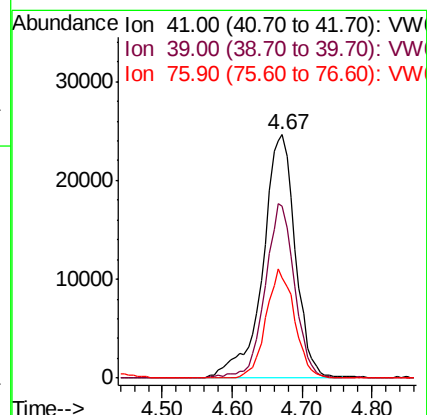
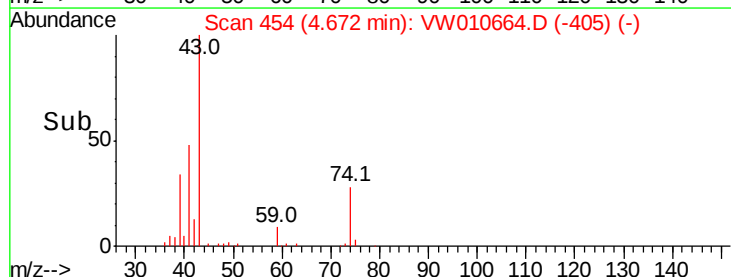
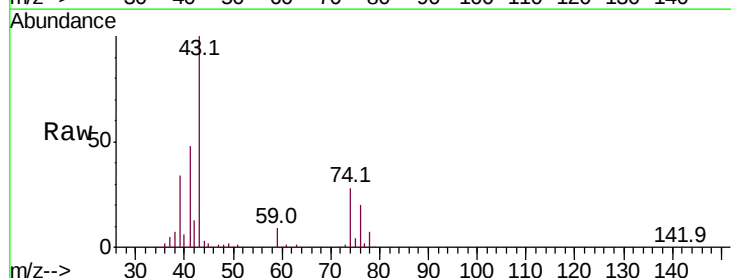
Tgt Ion: 41 Resp: 79720

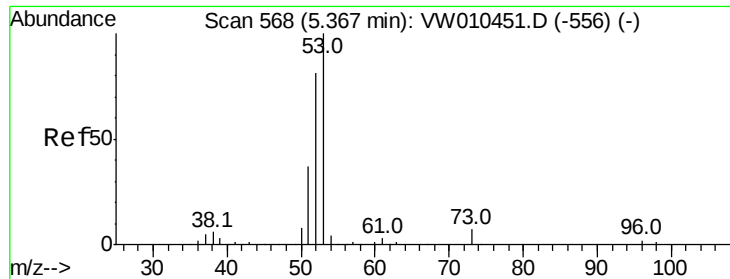
Ion Ratio Lower Upper

41 100

39 65.4 55.0 82.4

76 39.5 32.8 49.2





#15

Acrylonitrile

Concen: 338.487 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW010664.D

Acq: 03 Jun 2019 17:22

Instrument :

MSVOA_W

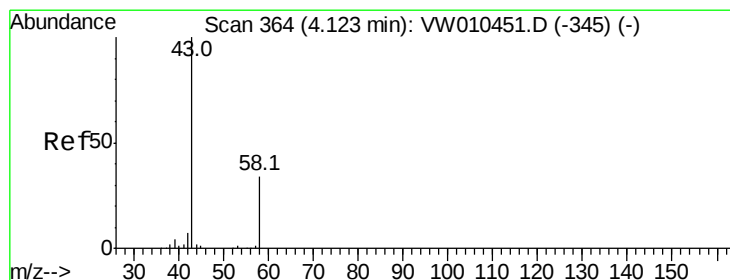
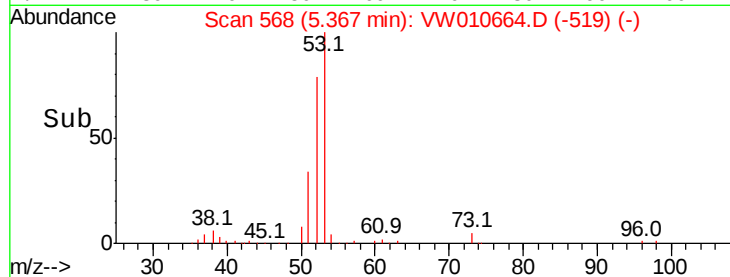
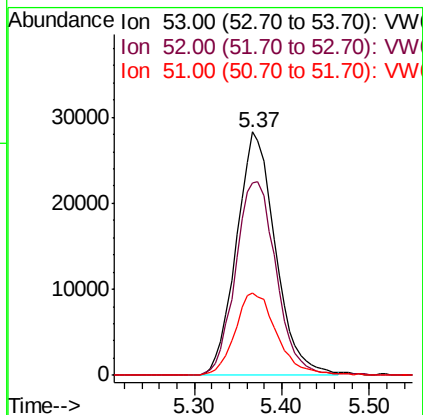
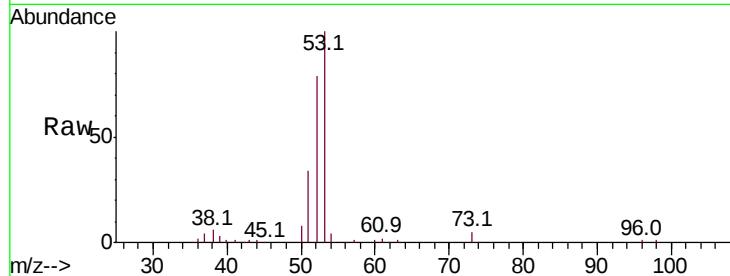
ClientSampleId :

FESB-23(3-3.5)MS

Tot Ion:	53	Resp:	87935
Ion	Ratio	Lower	Upper
53	100		
52	82.9	65.6	98.4
51	36.2	29.5	44.3

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#16

Acetone

Concen: 377.259 ug/l

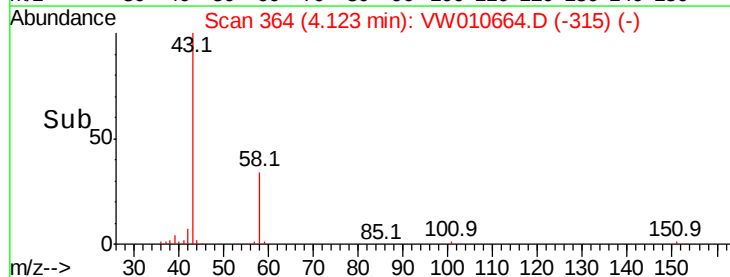
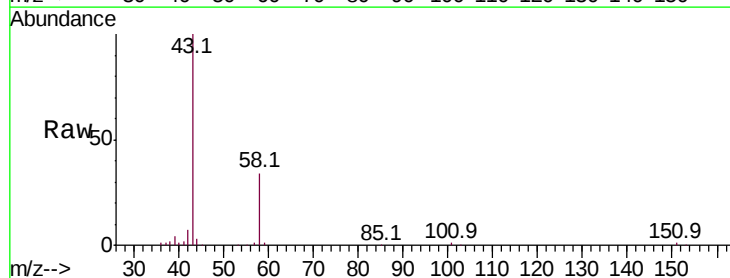
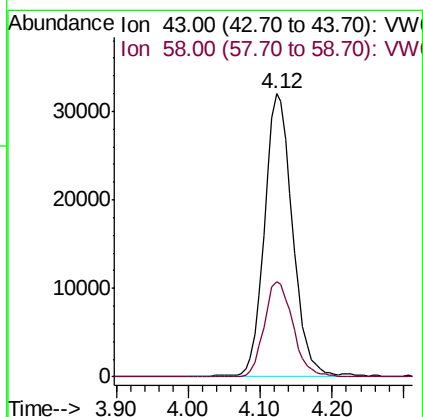
RT: 4.12 min Scan# 364

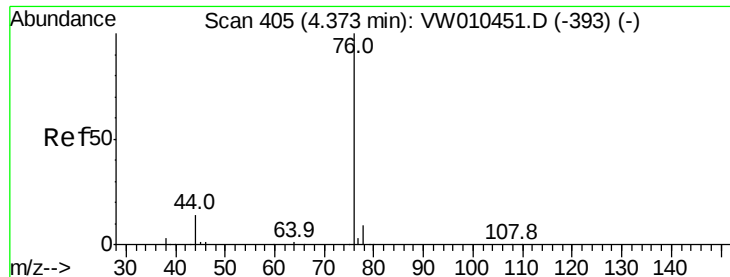
Delta R.T. -0.00 min

Lab File: VW010664.D

Acq: 03 Jun 2019 17:22

Tgt Ion:	43	Resp:	86567
Ion	Ratio	Lower	Upper
43	100		
58	33.8	27.0	40.4





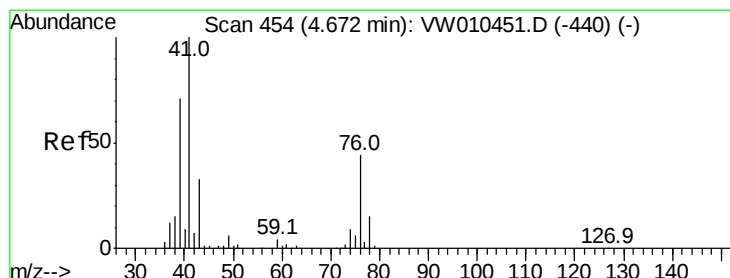
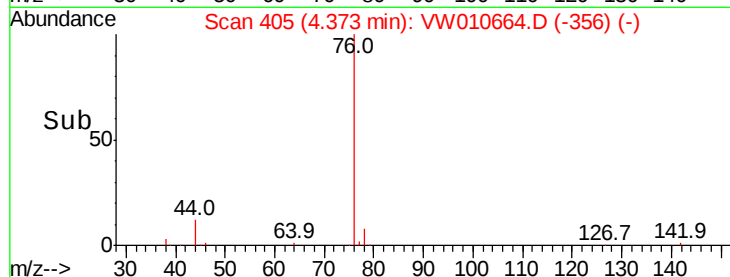
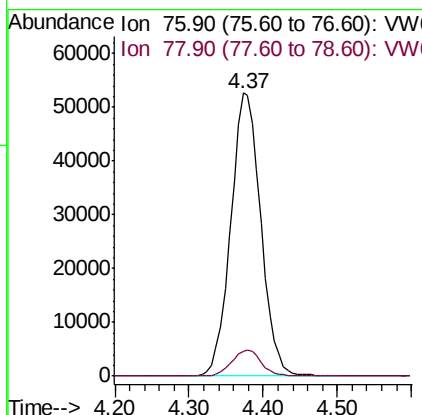
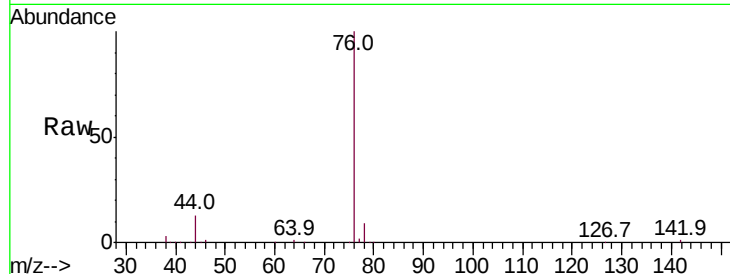
#17
Carbon Disulfide
Concen: 43.336 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.00 min
Lab File: VW010664.D
Acq: 03 Jun 2019 17:22

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

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.1	10.7

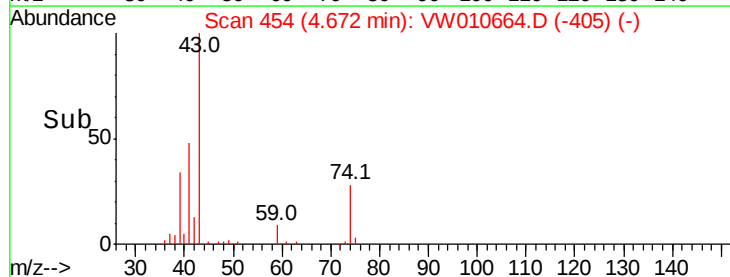
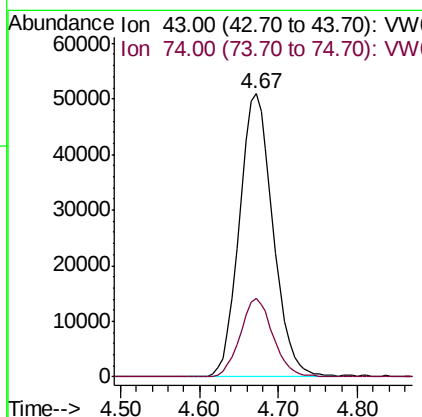
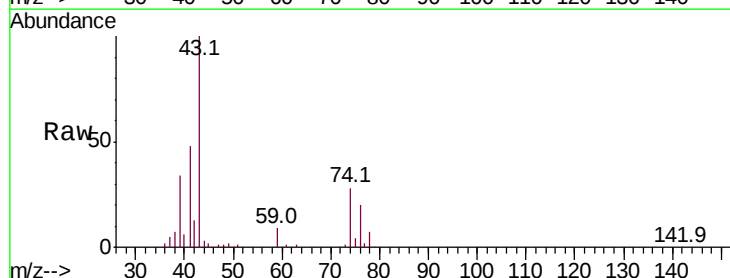
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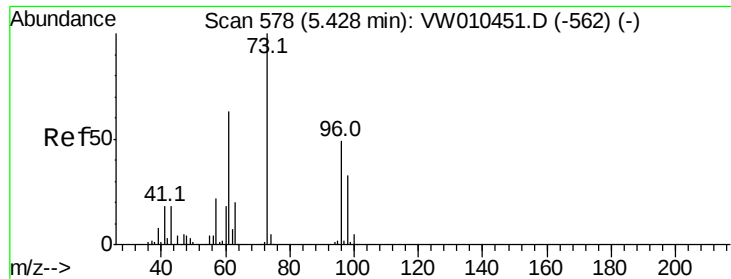
MMDadoda
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#18
Methyl Acetate
Concen: 269.179 ug/l
RT: 4.67 min Scan# 454
Delta R.T. -0.00 min
Lab File: VW010664.D
Acq: 03 Jun 2019 17:22

Tgt Ion	Ratio	Lower	Upper
43	100		
74	27.0	21.6	32.4





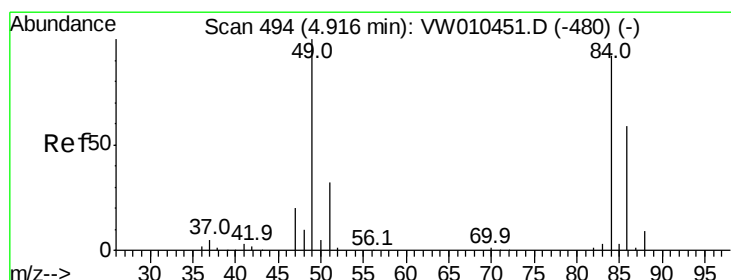
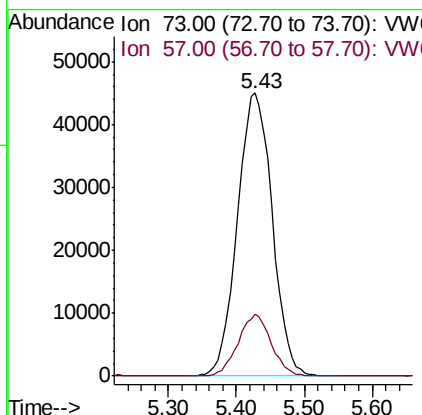
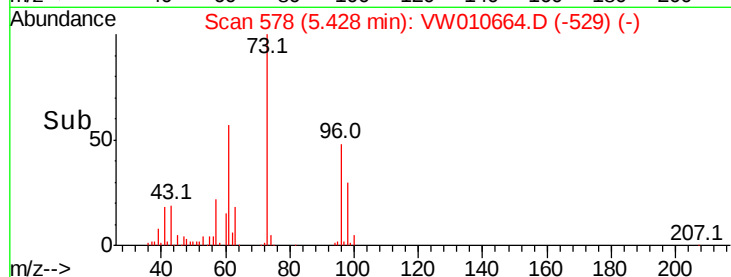
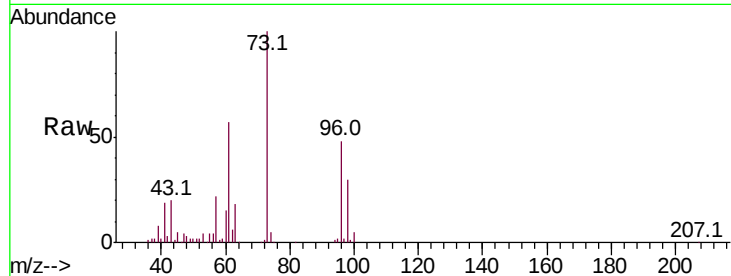
#19
Methvl tert-butvl Ether
Concen: 54.708 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW010664.D
Acq: 03 Jun 2019 17:22

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

Tot Ion: 73 Resp: 160443
Ion Ratio Lower Upper
73 100
57 22.0 17.4 26.0

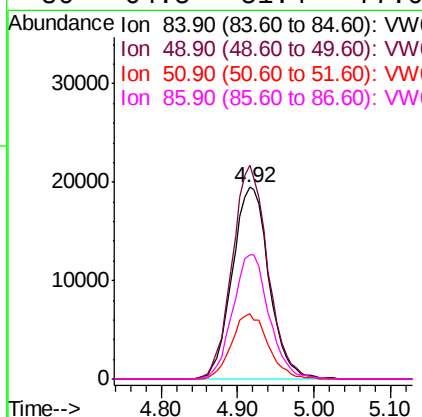
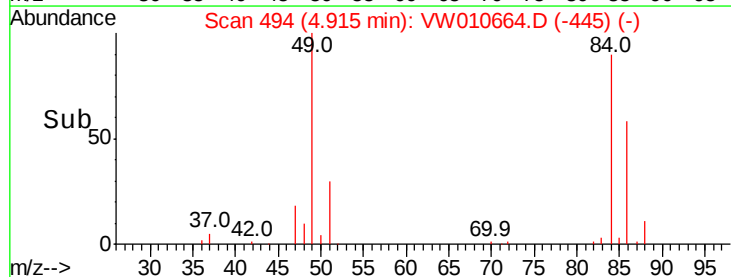
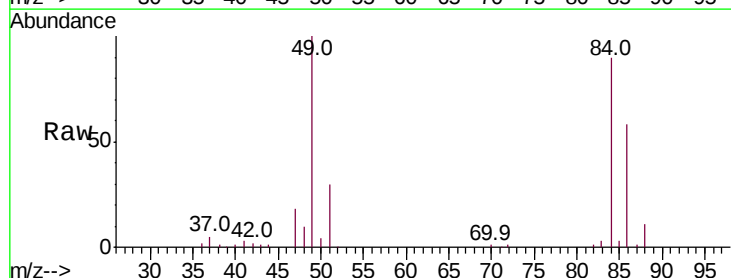
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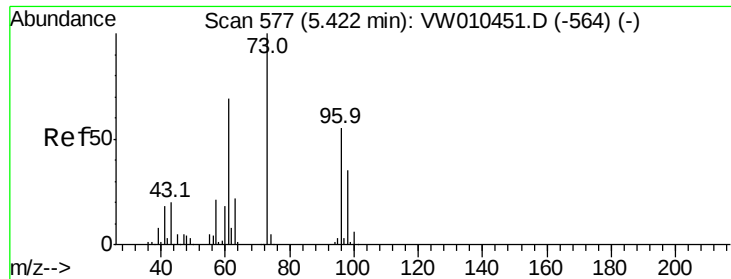
MMDadoda
6/4/2019 12:13:01 PM



#20
Methylene Chloride
Concen: 48.014 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW010664.D
Acq: 03 Jun 2019 17:22

Tgt Ion: 84 Resp: 64916
Ion Ratio Lower Upper
84 100
49 111.3 87.2 130.8
51 33.8 27.7 41.5
86 64.5 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 49.816 ug/l

RT: 5.43 min Scan# 578

Delta R.T. 0.01 min

Lab File: VW010664.D

Acq: 03 Jun 2019 17:22

Instrument :

MSVOA_W

ClientSampleId :

FESB-23(3-3.5)MS

Tot Ion: 96 Resp: 65733

Ion Ratio Lower Upper

96 100

61 119.6 101.4 152.0

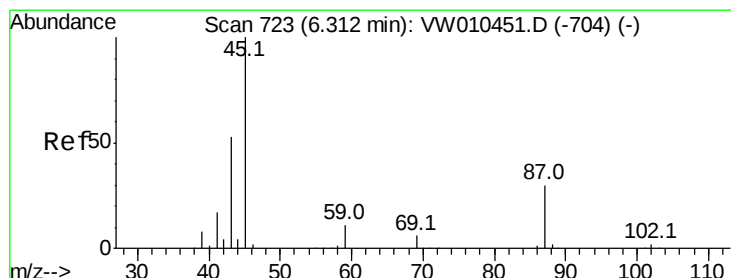
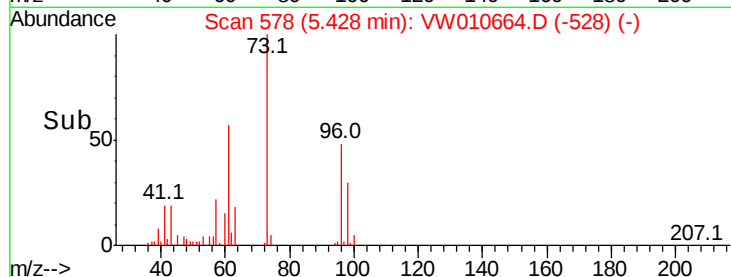
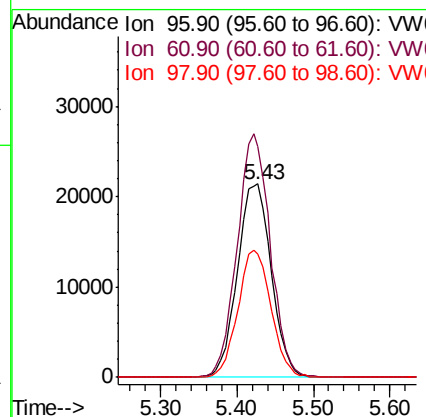
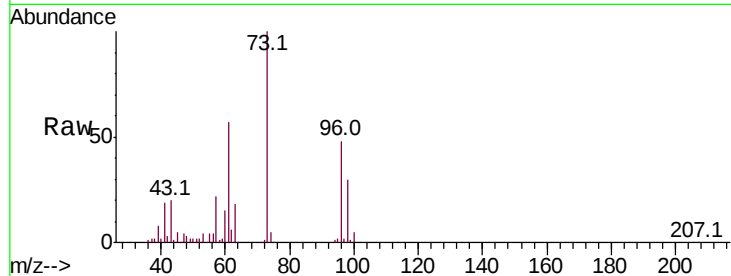
98 63.6 50.6 76.0

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#22

Diisopropyl ether

Concen: 46.121 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW010664.D

Acq: 03 Jun 2019 17:22

Tgt Ion: 45 Resp: 157477

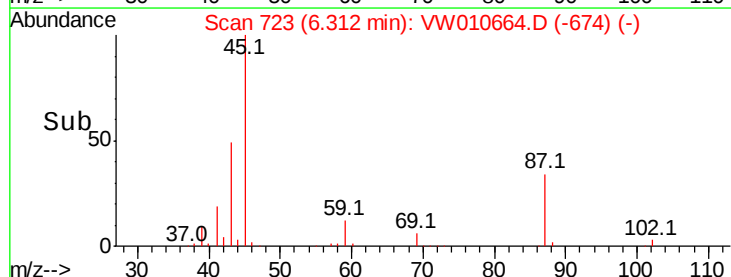
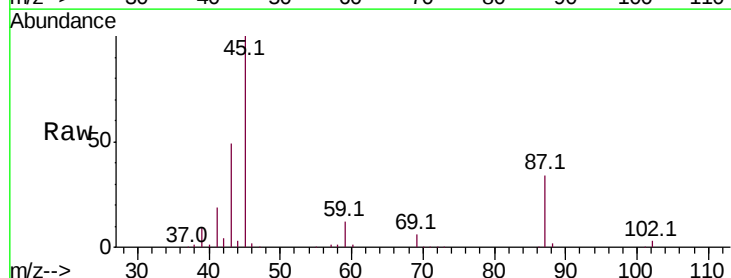
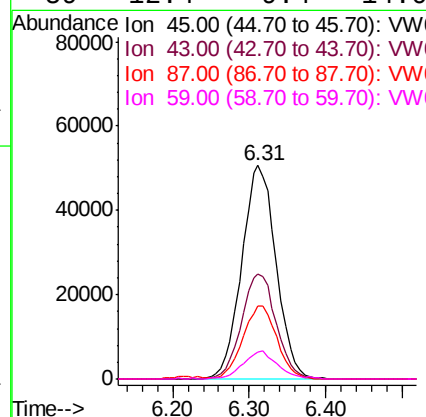
Ion Ratio Lower Upper

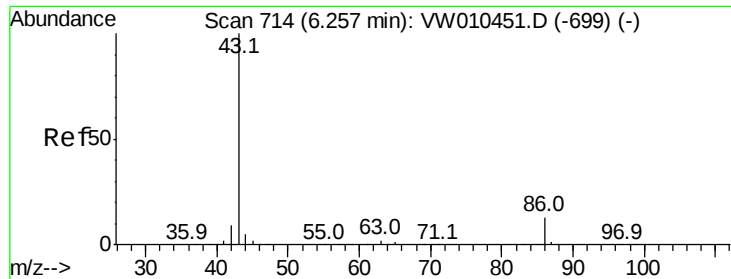
45 100

43 49.4 42.9 64.3

87 34.0 24.6 36.8

59 12.4 9.4 14.0





#23

Vinyl Acetate

Concen: 38.563 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.05 min

Lab File: VW010664.D

Acq: 03 Jun 2019 17:22

Instrument :

MSVOA_W

ClientSampleId :

FESB-23(3-3.5)MS

Tot Ion: 43 Resp: 78652

Ion Ratio Lower Upper

43 100

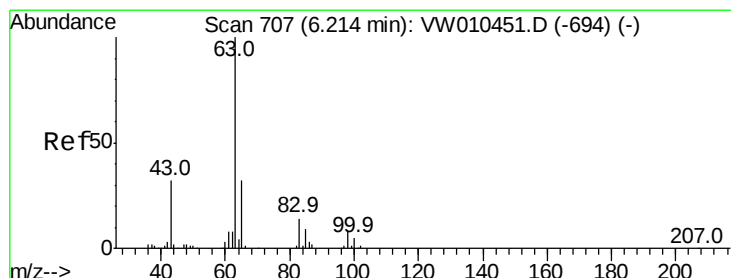
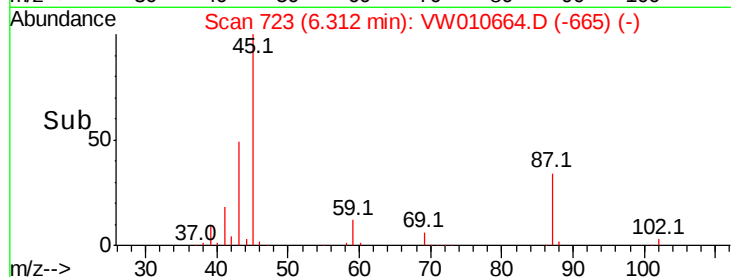
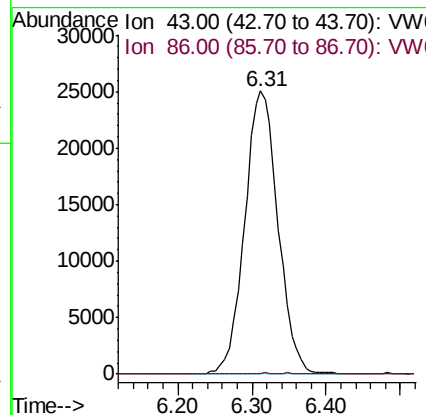
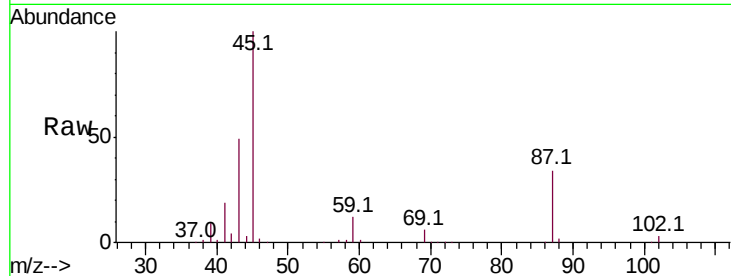
86 0.3 10.3 15.5#

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#24

1,1-Dichloroethane

Concen: 49.798 ug/l

RT: 6.22 min Scan# 708

Delta R.T. 0.01 min

Lab File: VW010664.D

Acq: 03 Jun 2019 17:22

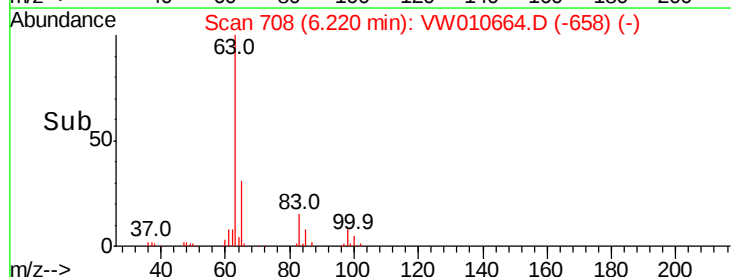
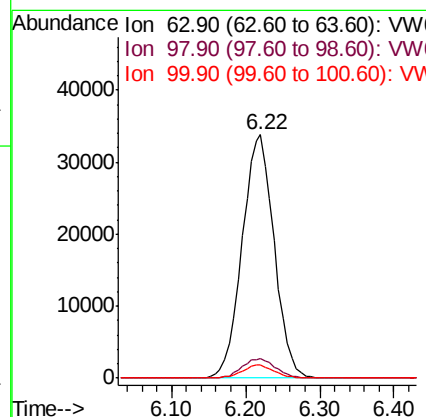
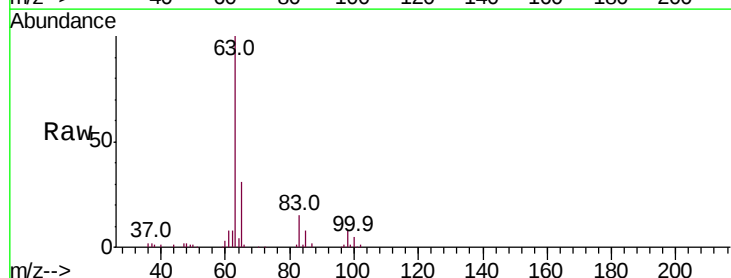
Tgt Ion: 63 Resp: 101467

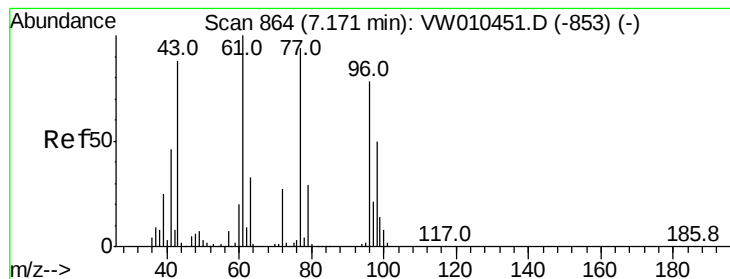
Ion Ratio Lower Upper

63 100

98 8.2 3.8 11.2

100 5.5 2.5 7.4





#25

2-Butanone

Concen: 347.006 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW010664.D

Acq: 03 Jun 2019 17:22

Instrument :

MSVOA_W

ClientSampleId :

FESB-23(3-3.5)MS

Tot Ion: 43 Resp: 113951

Ion Ratio Lower Upper

43 100

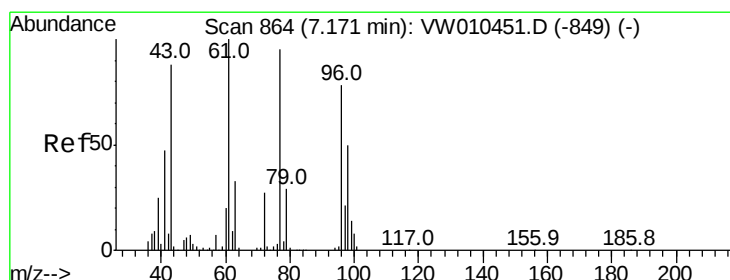
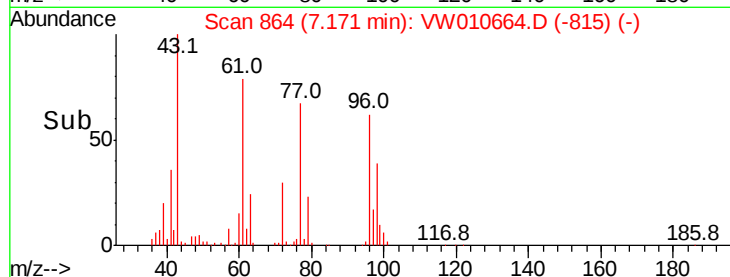
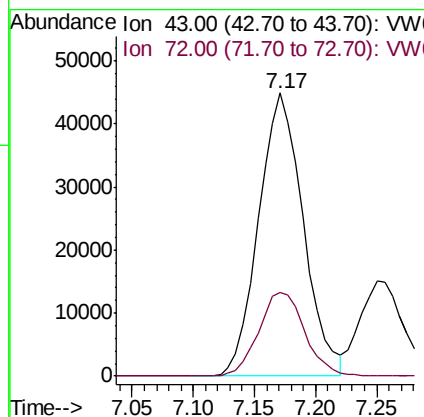
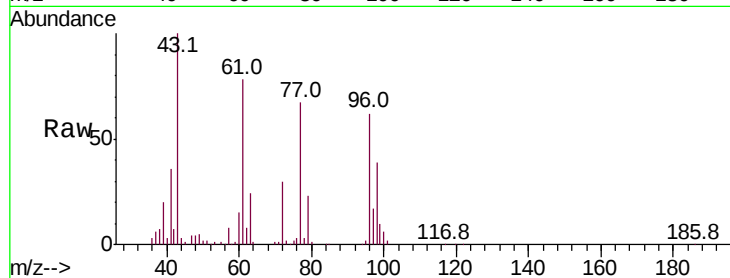
72 29.6 24.1 36.1

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 47.318 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW010664.D

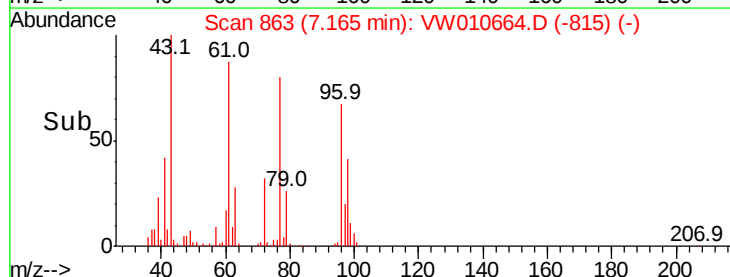
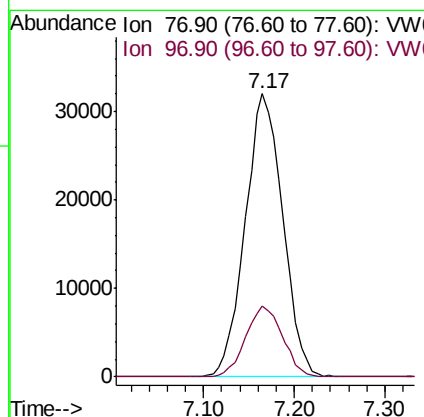
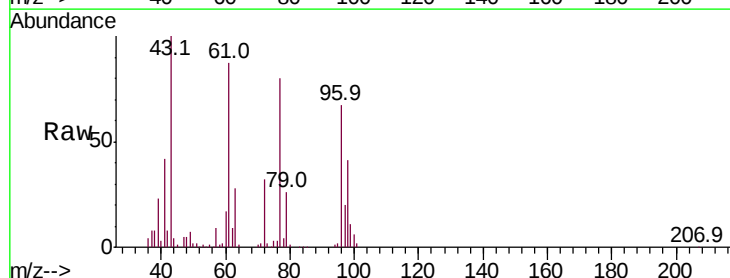
Acq: 03 Jun 2019 17:22

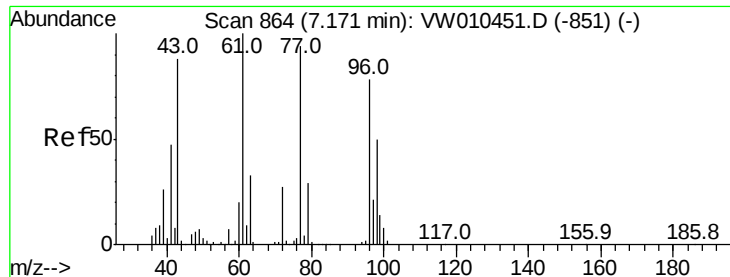
Tgt Ion: 77 Resp: 91838

Ion Ratio Lower Upper

77 100

97 24.5 11.7 35.0





#27

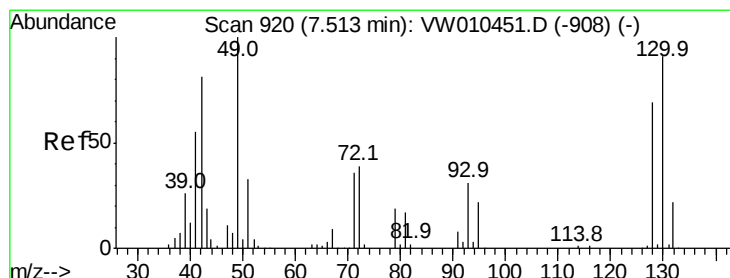
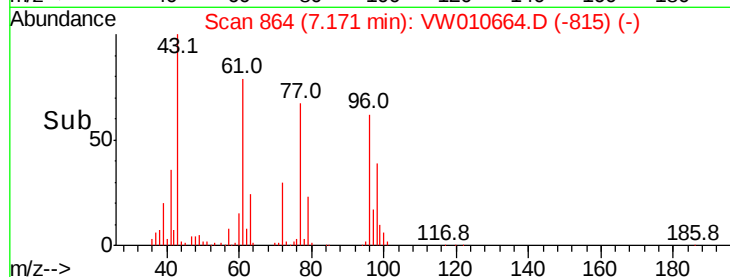
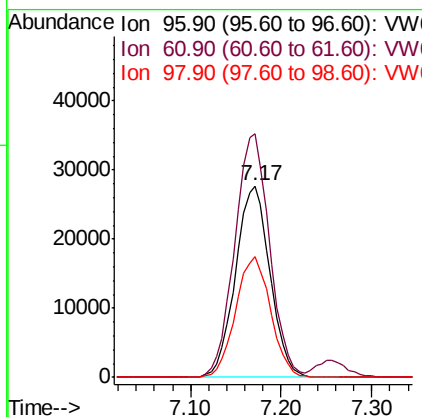
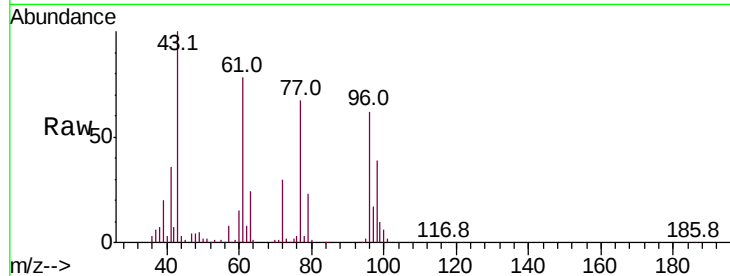
cis-1,2-Dichloroethene
Concen: 50.813 ug/l
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW010664.D
Acq: 03 Jun 2019 17:22

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

Tot Ion	Ratio	Lower	Upper
96	100		
61	129.0	0.0	265.4
98	63.6	0.0	129.4

Manual Integrations
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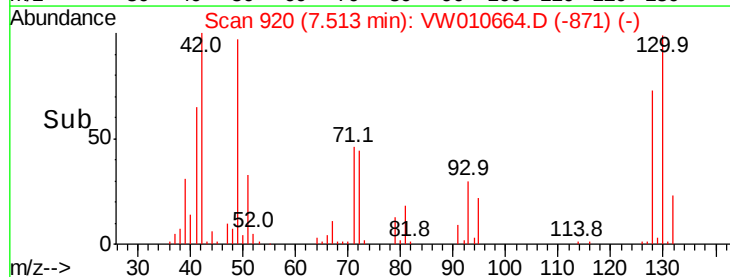
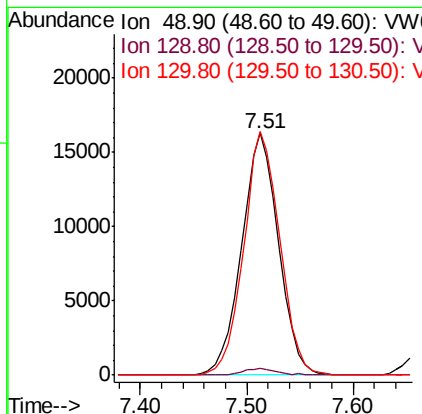
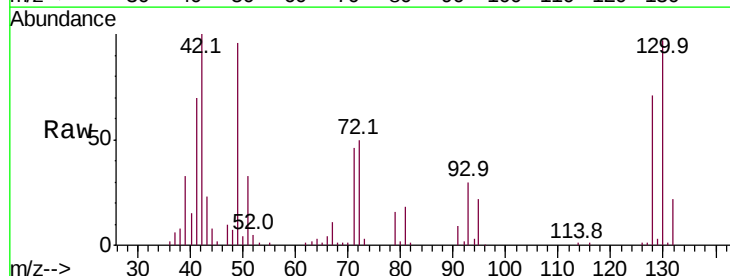
MMDadoda
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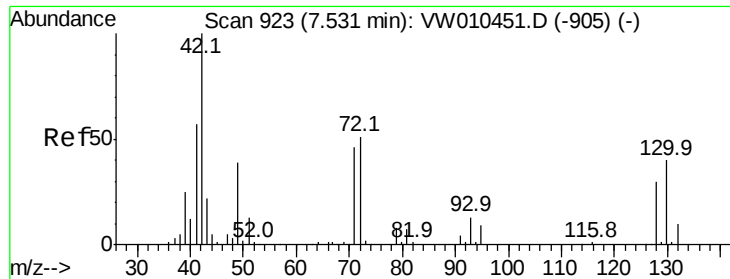


#28

Bromochloromethane
Concen: 54.265 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW010664.D
Acq: 03 Jun 2019 17:22

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	4.8
130	98.4	71.2	106.8





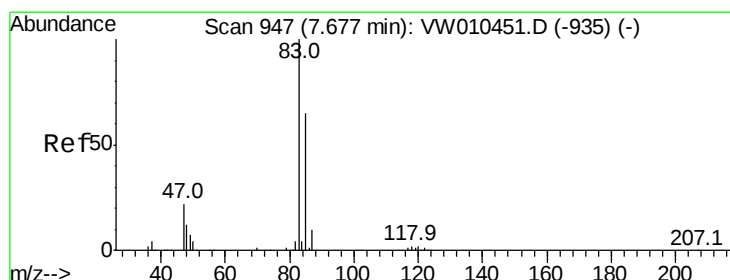
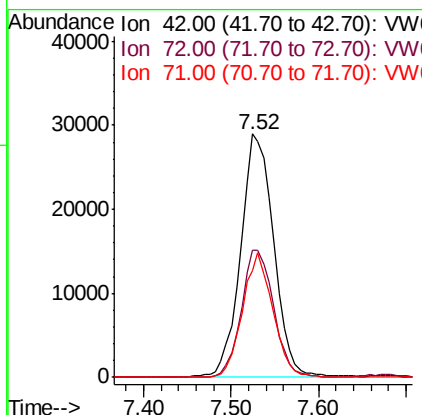
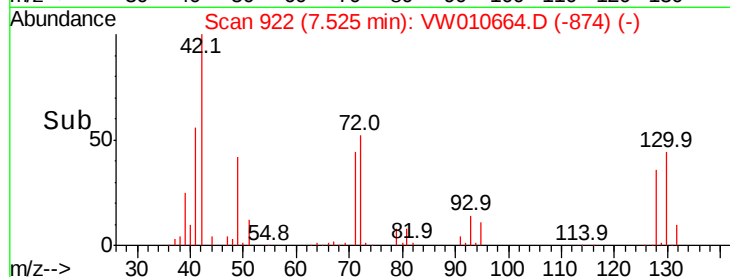
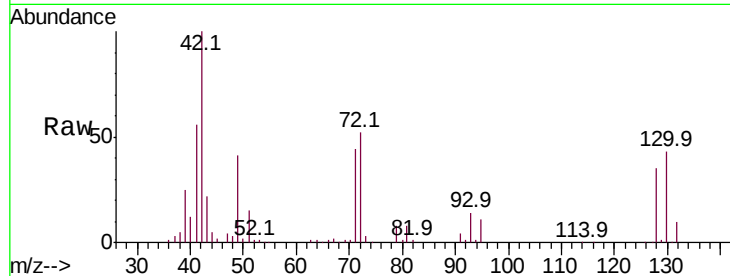
#29
Tetrahydrofuran
Concen: 343.582 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW010664.D
Acq: 03 Jun 2019 17:22

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

Tot Ion	Ratio	Lower	Upper
42	100		
72	51.0	38.5	57.7
71	46.8	36.5	54.7

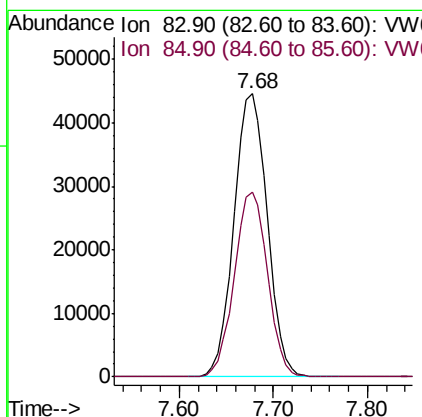
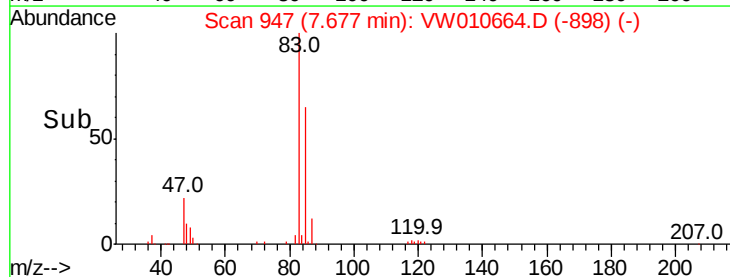
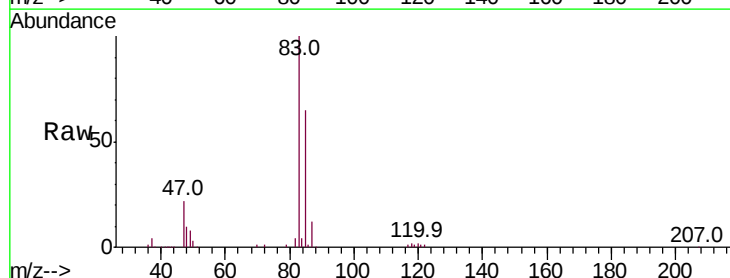
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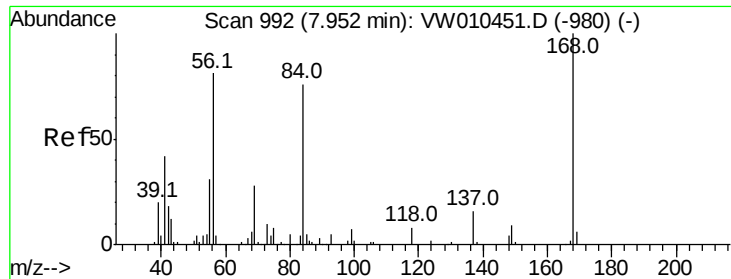
MMDadoda
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#30
Chloroform
Concen: 50.115 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW010664.D
Acq: 03 Jun 2019 17:22

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.3	52.2	78.4





#31

Cyclohexane

Concen: 43.498 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW010664.D

Acq: 03 Jun 2019 17:22

Instrument :

MSVOA_W

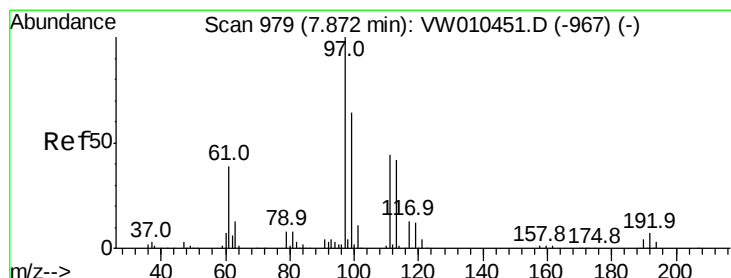
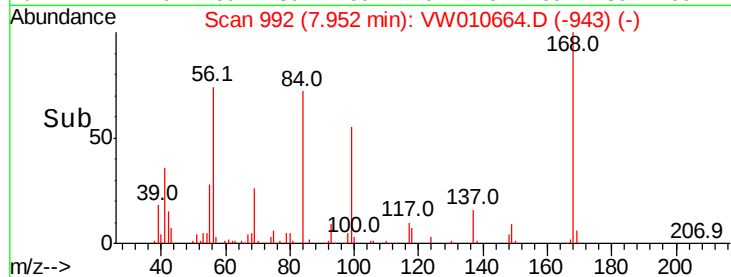
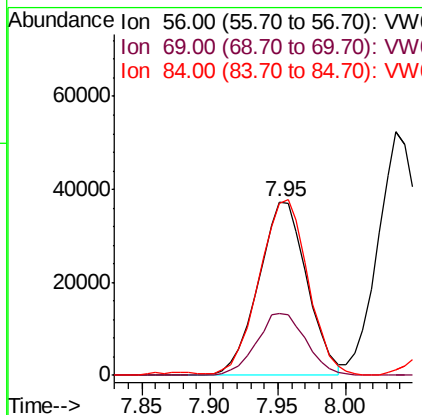
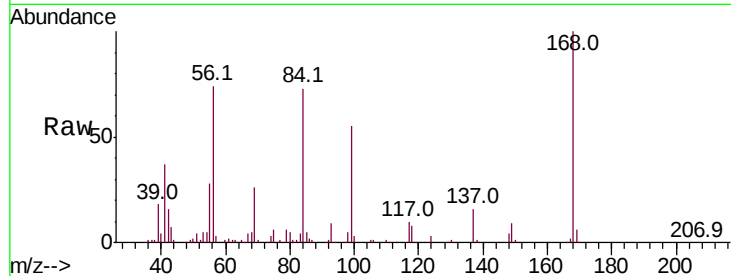
ClientSampleId :

FESB-23(3-3.5)MS

Tot Ion:	56	Resp:	92840
Ion Ratio	Lower	Upper	
56	100		
69	35.4	28.2	42.2
84	96.9	75.8	113.8

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 50.917 ug/l

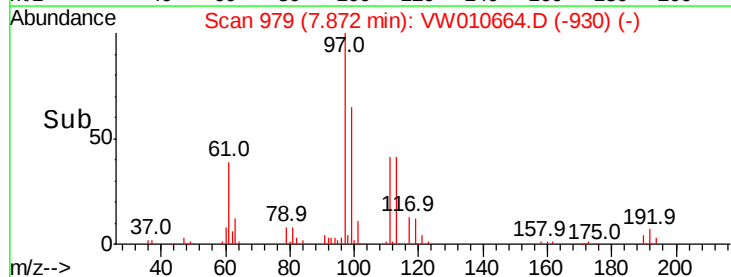
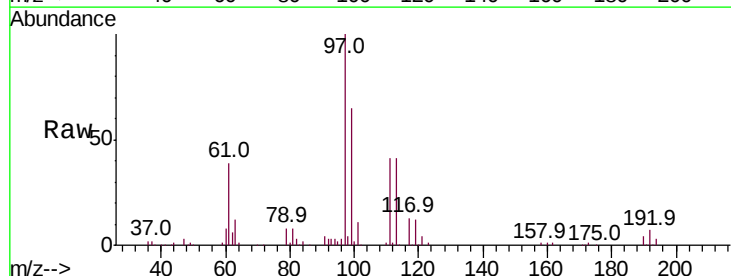
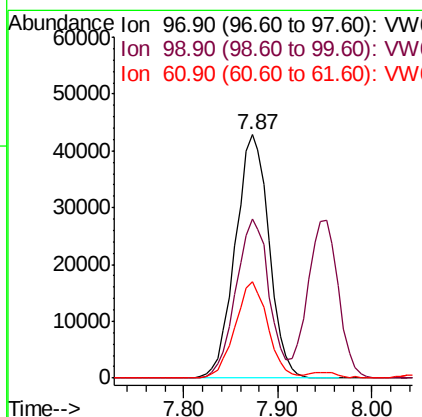
RT: 7.87 min Scan# 979

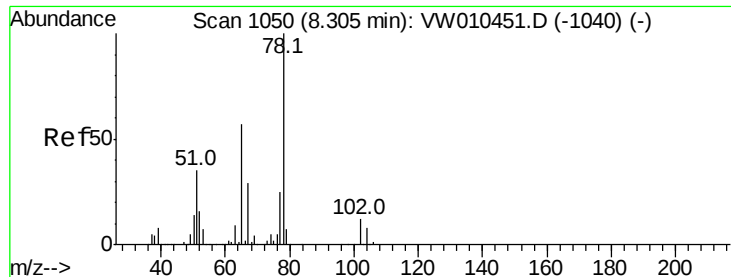
Delta R.T. -0.00 min

Lab File: VW010664.D

Acq: 03 Jun 2019 17:22

Tgt Ion:	97	Resp:	106956
Ion Ratio	Lower	Upper	
97	100		
99	64.2	50.8	76.2
61	38.3	32.1	48.1





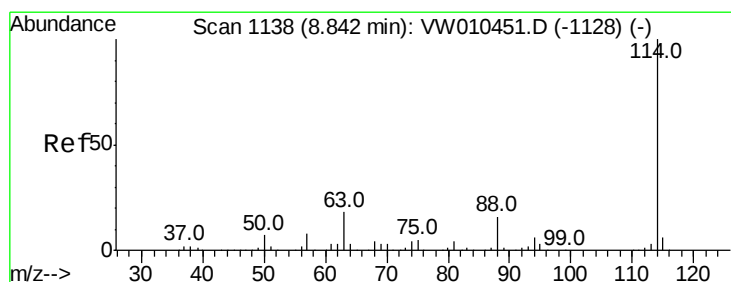
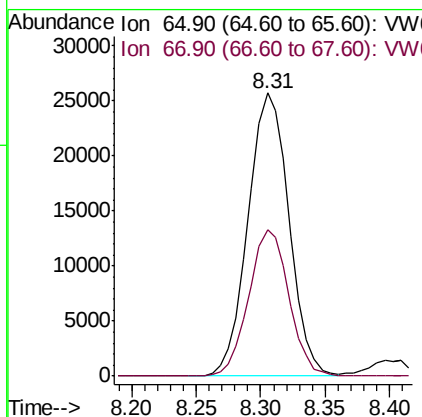
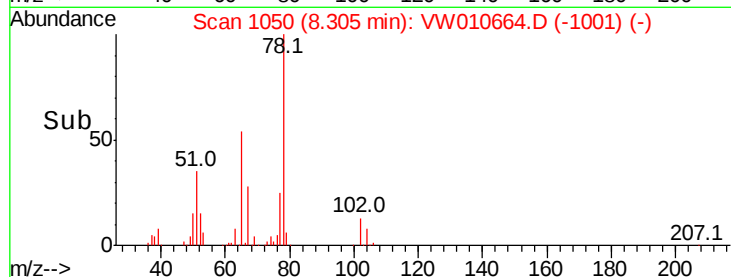
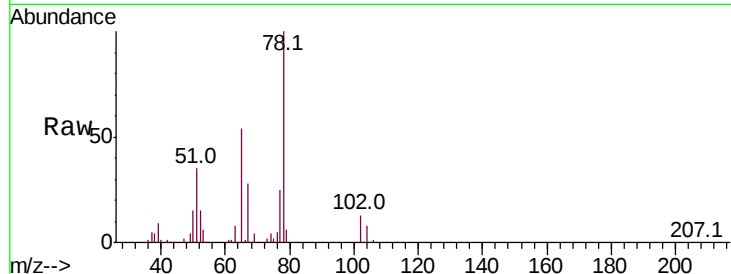
#33
 1,2-Dichloroethane-d4
 Concen: 50.345 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW010664.D
 Acq: 03 Jun 2019 17:22

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

Tot Ion	Ratio	Lower	Upper
65	100		
67	50.7	0.0	103.6

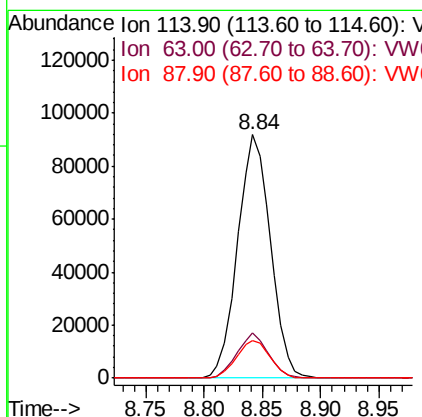
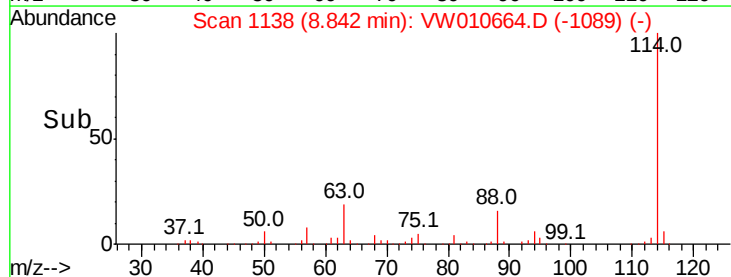
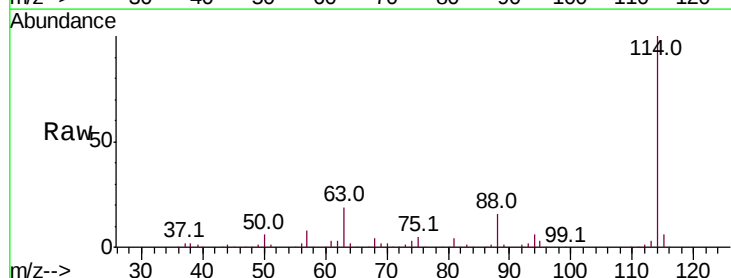
Manual Integrations
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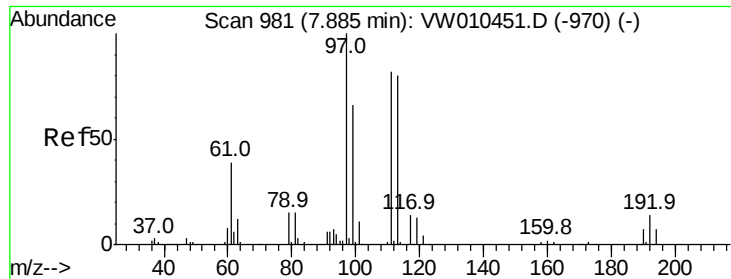
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW010664.D
 Acq: 03 Jun 2019 17:22

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.5	0.0	36.0
88	15.6	0.0	32.0





#35

Dibromofluoromethane

Concen: 50.818 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW010664.D

Acq: 03 Jun 2019 17:22

Instrument :

MSVOA_W

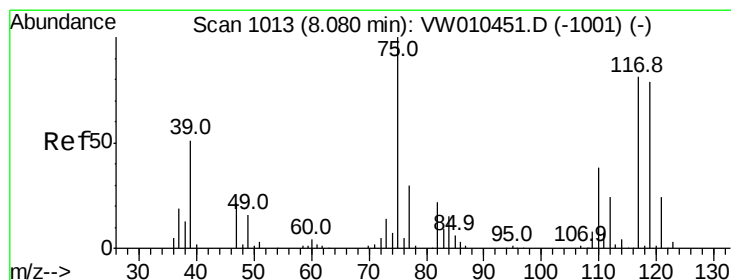
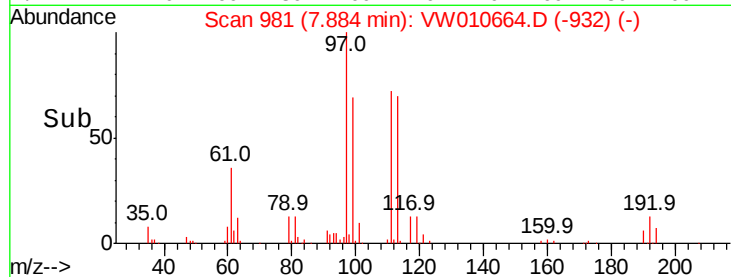
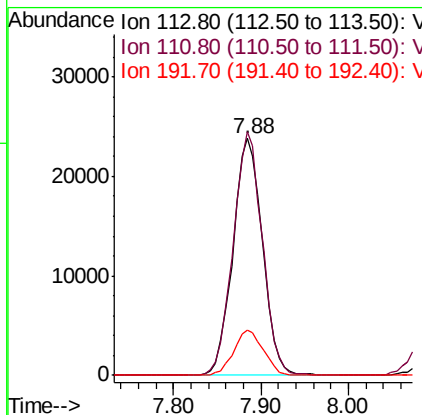
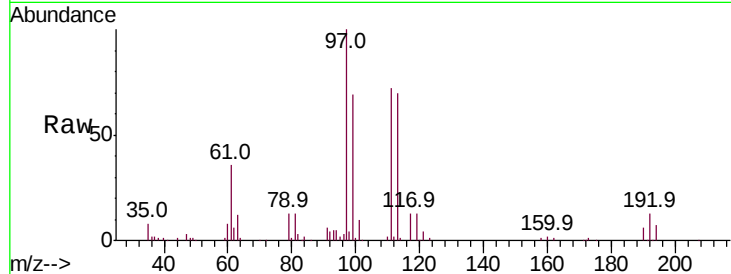
ClientSampleId :

FESB-23(3-3.5)MS

Tot Ion:	113	Resp:	55766
Ion	Ratio	Lower	Upper
113	100		
111	101.6	82.2	123.4
192	19.2	14.3	21.5

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 51.308 ug/l

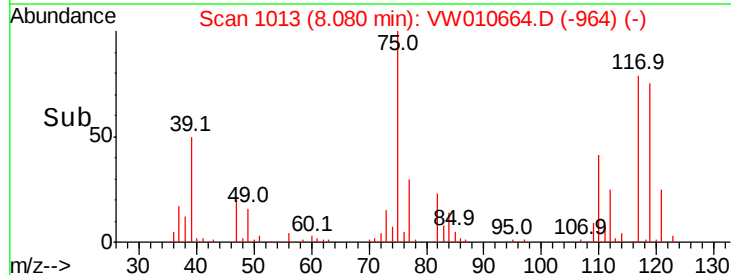
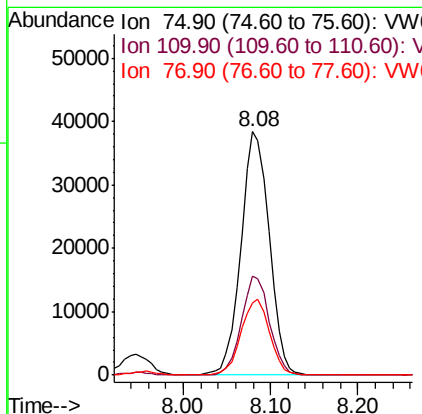
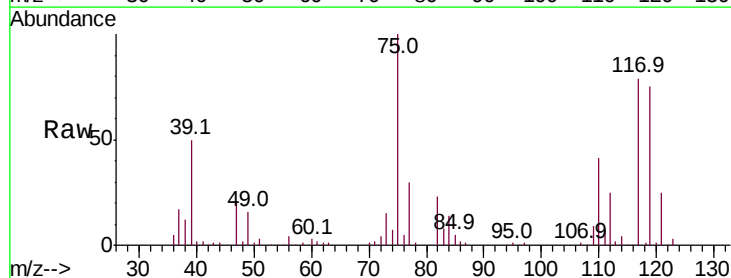
RT: 8.08 min Scan# 1013

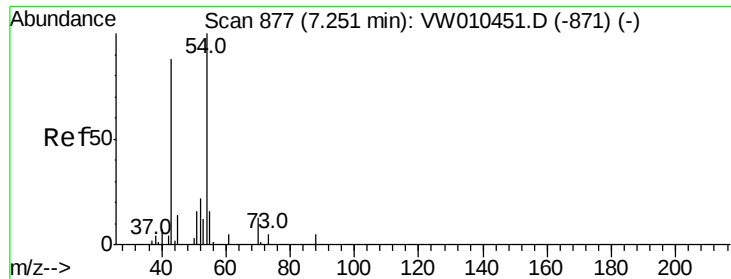
Delta R.T. -0.00 min

Lab File: VW010664.D

Acq: 03 Jun 2019 17:22

Tgt Ion:	75	Resp:	86439
Ion	Ratio	Lower	Upper
75	100		
110	40.0	19.2	57.6
77	31.4	25.2	37.8





#37

Ethyl Acetate

Concen: 53.365 ug/l

RT: 7.25 min Scan# 877

Delta R.T. -0.00 min

Lab File: VW010664.D

Acq: 03 Jun 2019 17:22

Instrument :

MSVOA_W

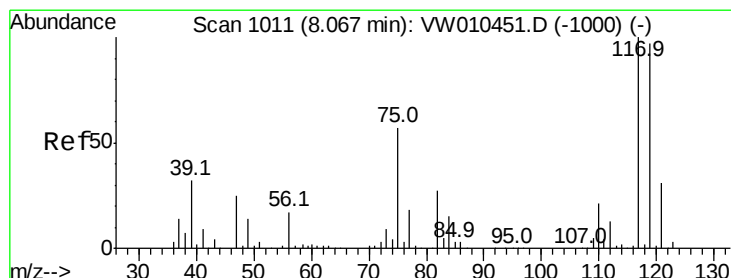
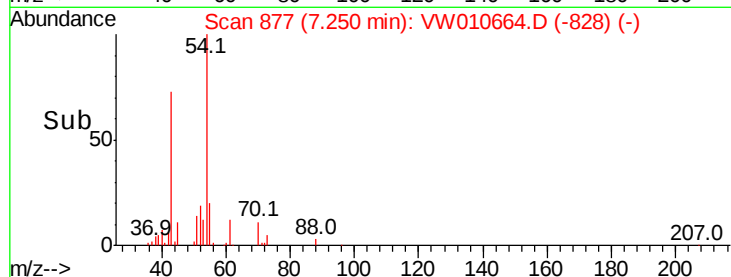
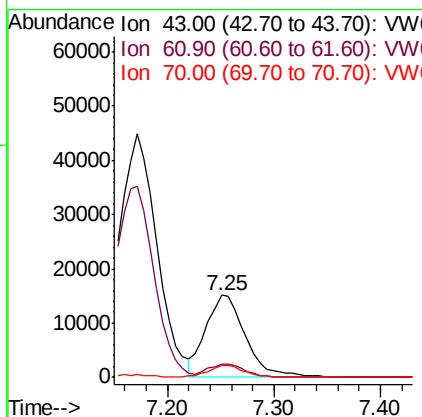
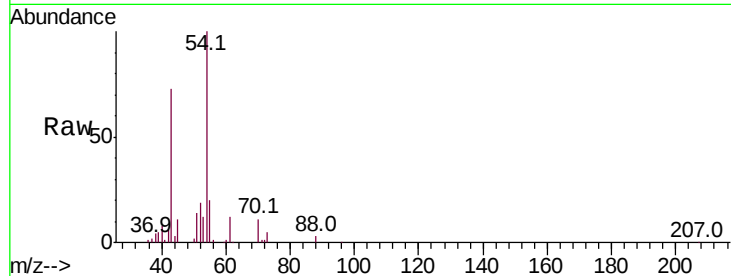
ClientSampleId :

FESB-23(3-3.5)MS

Tot Ion:	43	Resp:	38232
Ion	Ratio	Lower	Upper
43	100		
61	15.6	11.2	16.8
70	13.6	9.9	14.9

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 52.433 ug/l

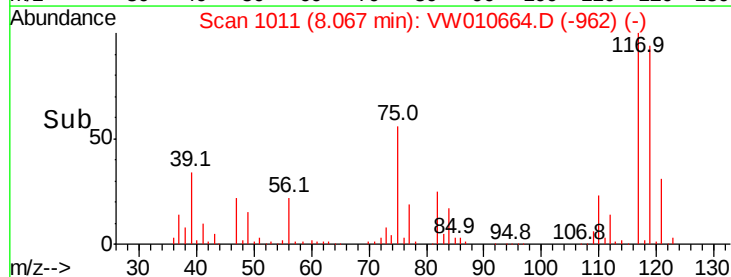
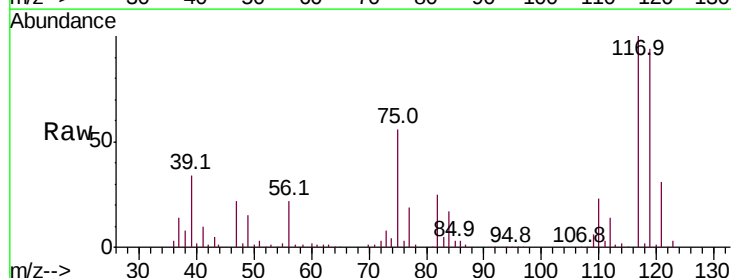
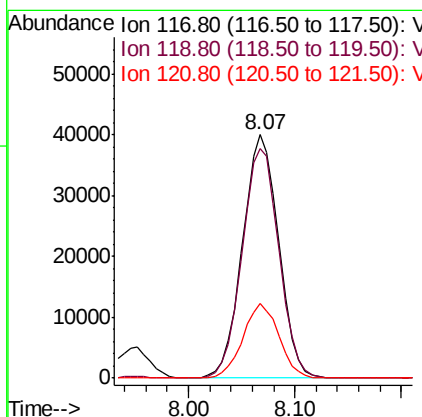
RT: 8.07 min Scan# 1011

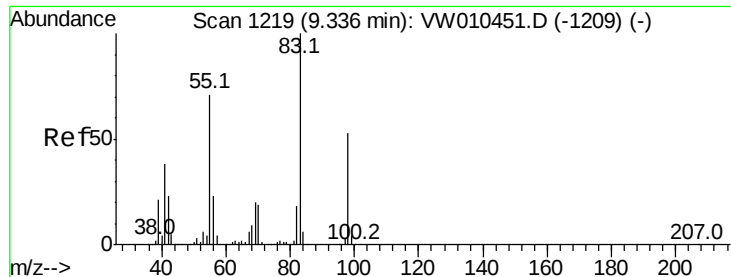
Delta R.T. -0.00 min

Lab File: VW010664.D

Acq: 03 Jun 2019 17:22

Tgt Ion:	117	Resp:	95290
Ion	Ratio	Lower	Upper
117	100		
119	94.1	77.4	116.0
121	30.6	25.0	37.6





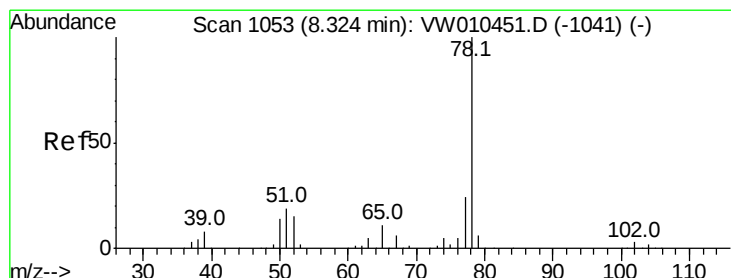
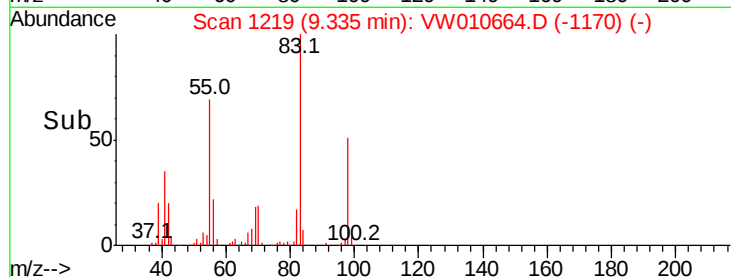
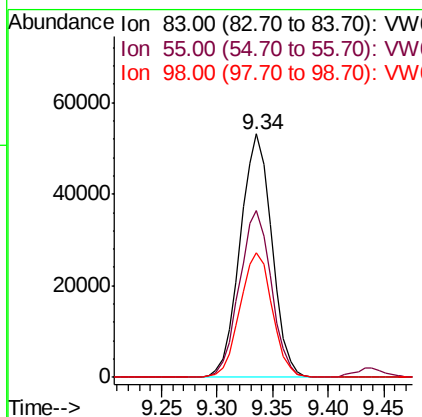
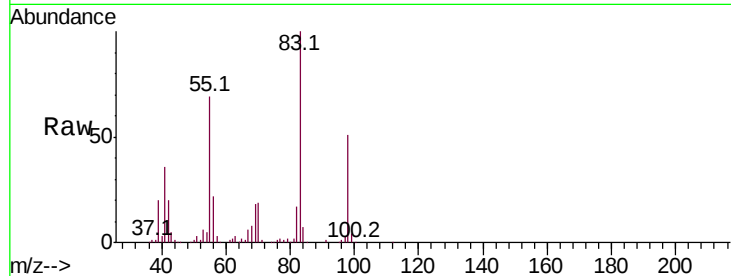
#39
Methvlcvclohexane
Concen: 46.612 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW010664.D
Acq: 03 Jun 2019 17:22

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

Tot Ion	Ratio	Lower	Upper
83	100		
55	68.8	57.0	85.6
98	51.2	42.0	63.0

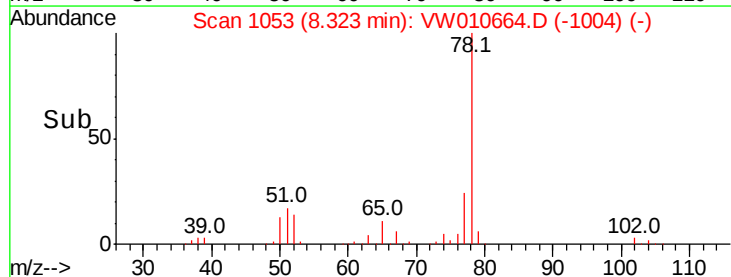
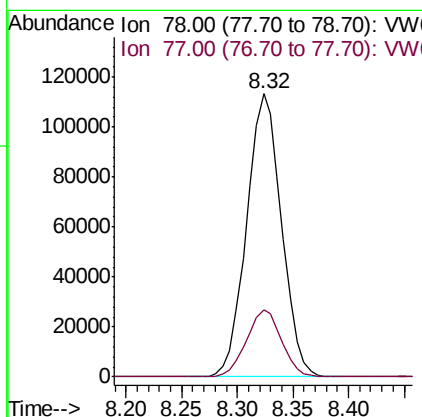
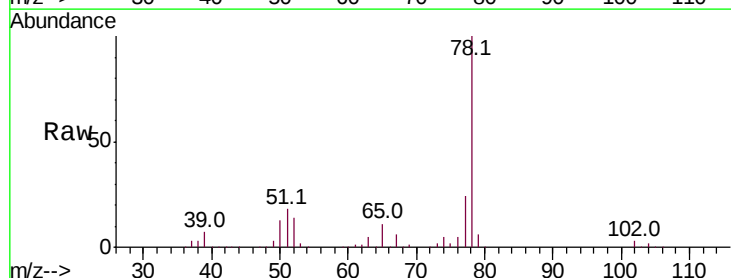
Manual Integrations
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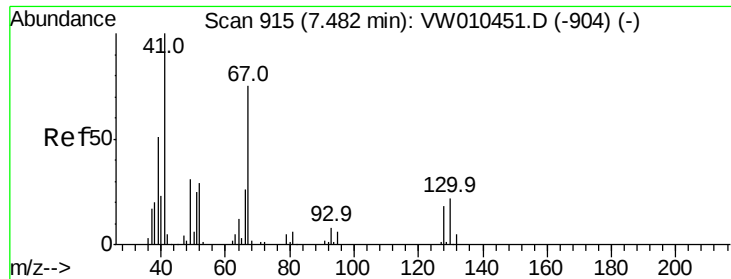
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#40
Benzene
Concen: 52.684 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW010664.D
Acq: 03 Jun 2019 17:22

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	18.9	28.3





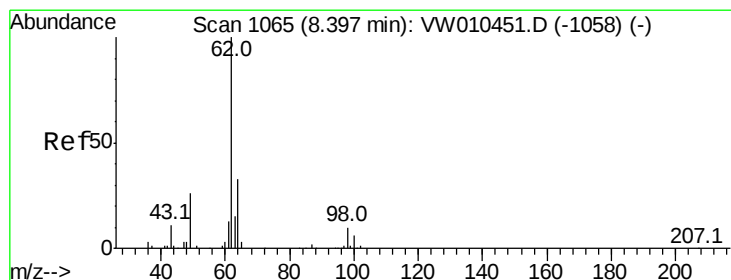
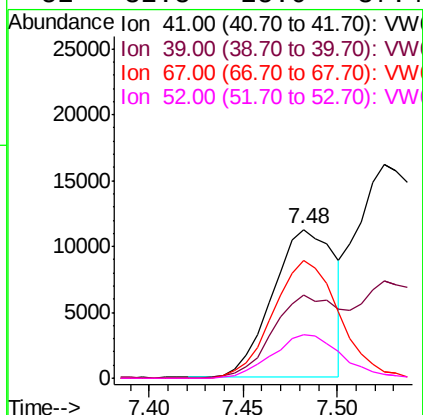
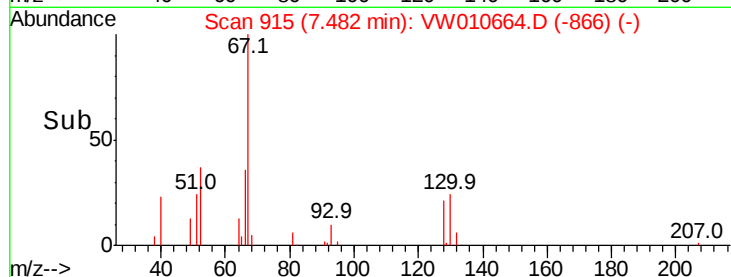
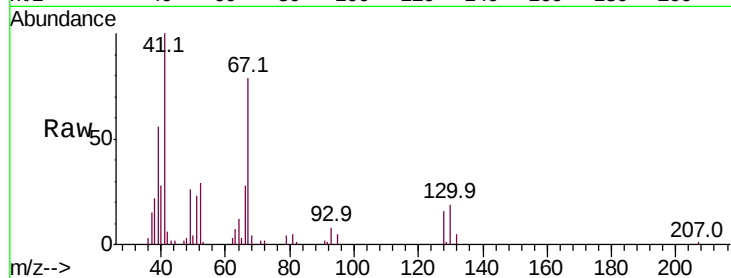
#41
Methacrylonitrile
Concen: 60.679 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW010664.D
Acq: 03 Jun 2019 17:22

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

Tot Ion	Ratio	Lower	Upper
41	100		
39	63.8	47.4	71.2
67	84.9	65.5	98.3
52	32.8	25.0	37.4

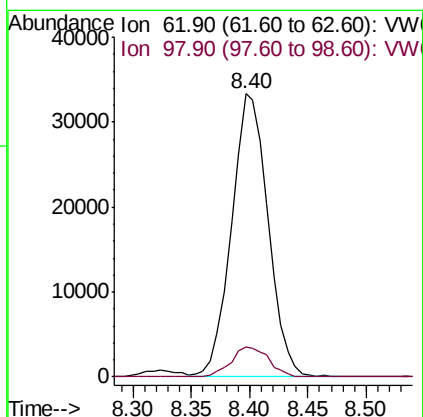
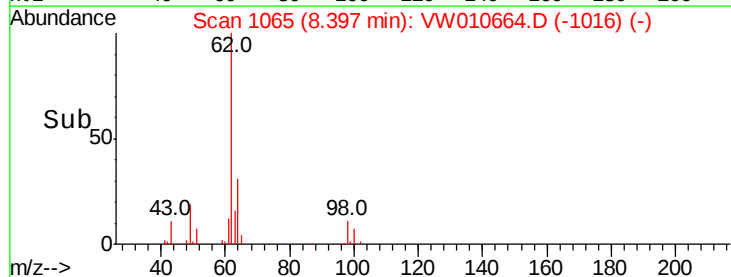
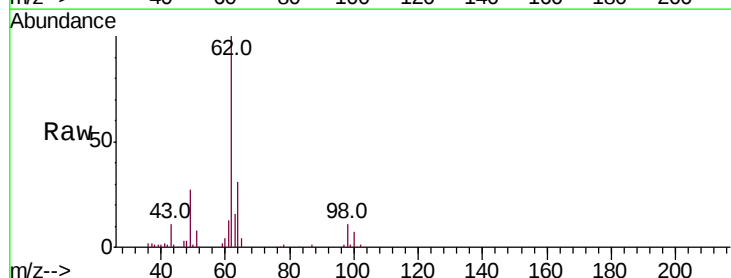
Manual Integrations
APPROVED

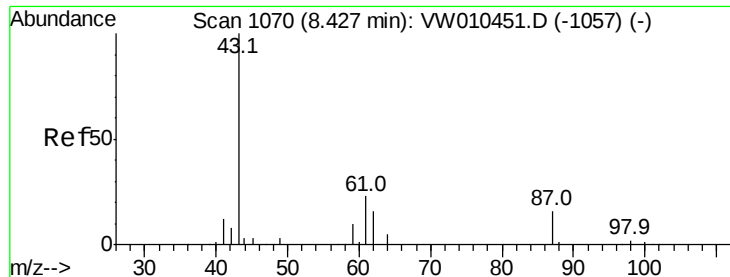
MMDadoda
6/4/2019 12:13:01 PM



#42
1,2-Dichloroethane
Concen: 54.374 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW010664.D
Acq: 03 Jun 2019 17:22

Tgt Ion	Ratio	Lower	Upper
62	100		
98	11.0	0.0	21.0





#43

Isopropyl Acetate

Concen: 54.074 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW010664.D

Acq: 03 Jun 2019 17:22

Instrument :

MSVOA_W

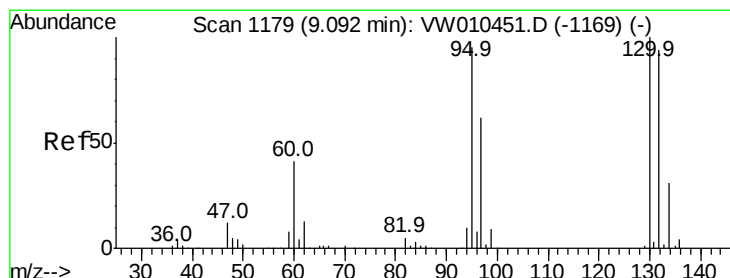
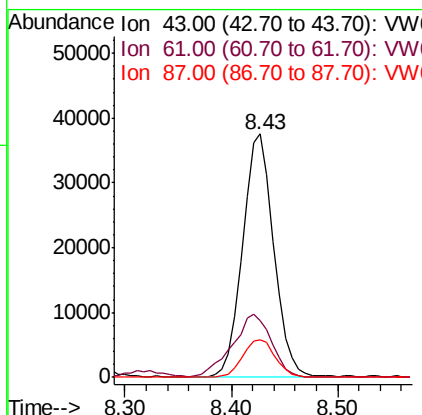
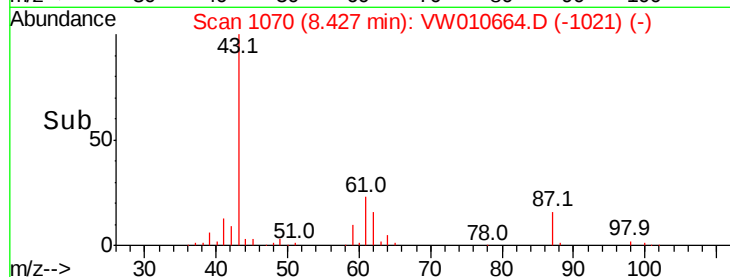
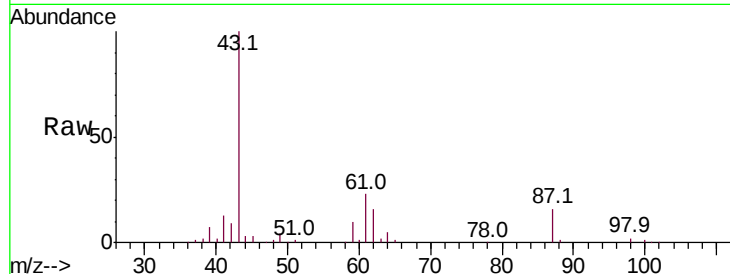
ClientSampleId :

FESB-23(3-3.5)MS

Tot Ion:	43	Resp:	77393
Ion	Ratio	Lower	Upper
43	100		
61	32.5	25.4	38.2
87	16.3	12.7	19.1

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6/4/2019 12:13:01 PM



#44

Trichloroethene

Concen: 53.849 ug/l

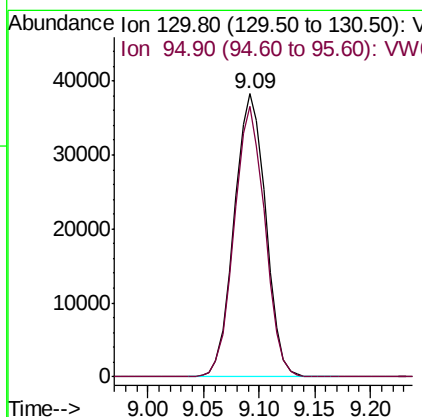
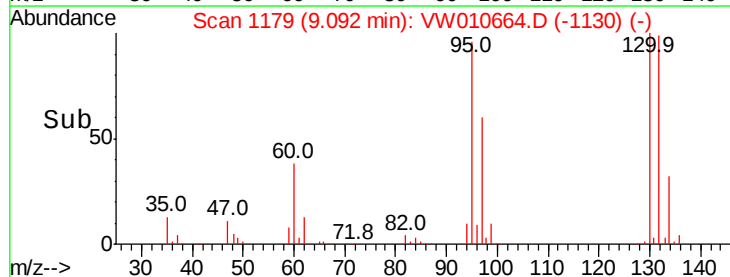
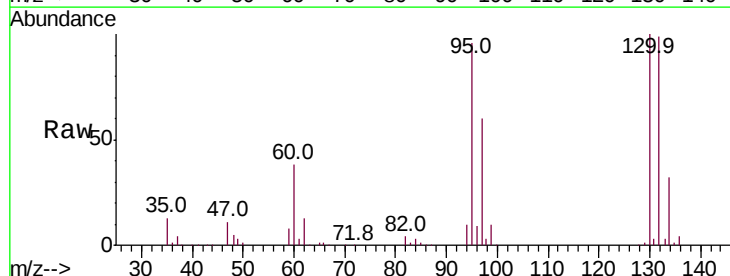
RT: 9.09 min Scan# 1179

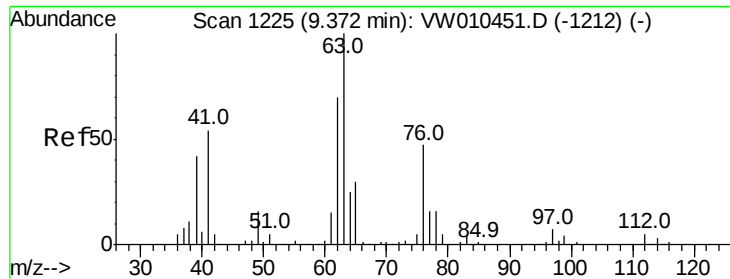
Delta R.T. -0.00 min

Lab File: VW010664.D

Acq: 03 Jun 2019 17:22

Tgt Ion:	130	Resp:	74858
Ion	Ratio	Lower	Upper
130	100		
95	95.6	0.0	189.6





#45

1,2-Dichloropropane

Concen: 51.387 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.01 min

Lab File: VW010664.D

Acq: 03 Jun 2019 17:22

Instrument :

MSVOA_W

ClientSampleId :

FESB-23(3-3.5)MS

Tot Ion: 63 Resp: 57148

Ion Ratio Lower Upper

63 100

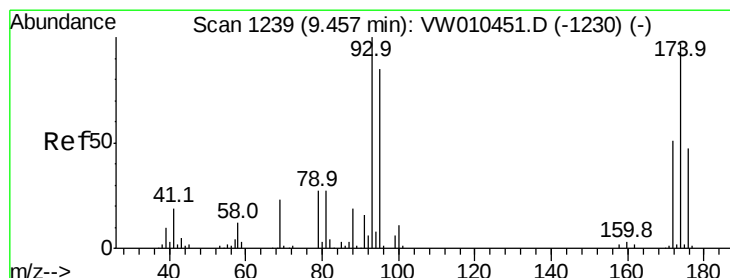
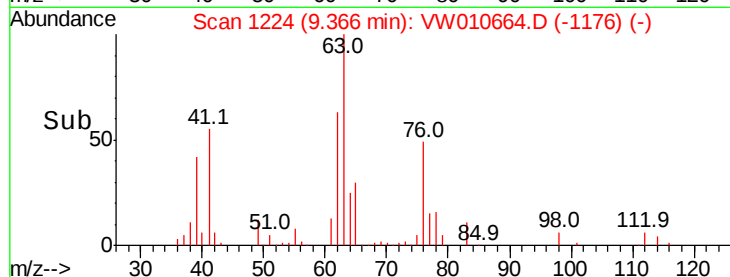
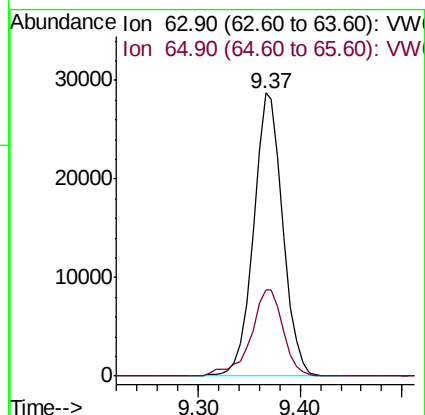
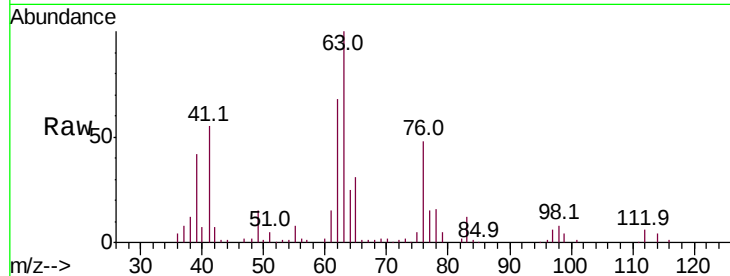
65 30.6 24.3 36.5

Manual Integrations

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6/4/2019 12:13:01 PM



#46

Dibromomethane

Concen: 56.876 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW010664.D

Acq: 03 Jun 2019 17:22

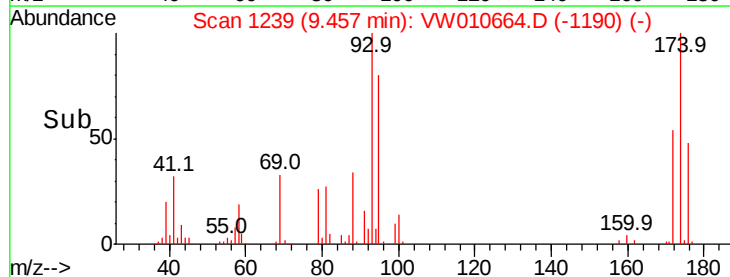
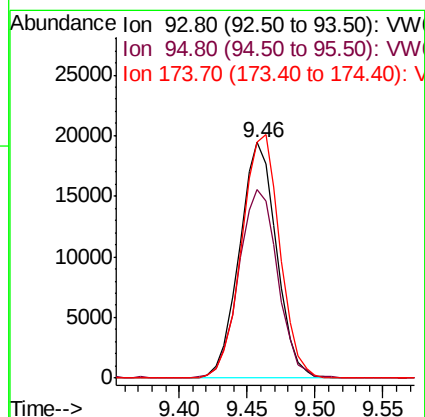
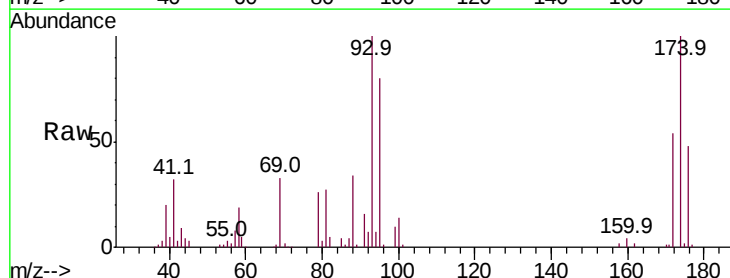
Tgt Ion: 93 Resp: 36991

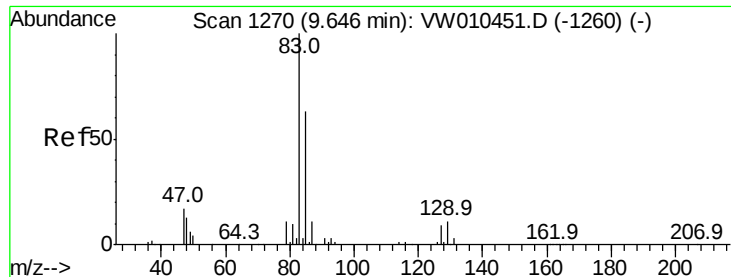
Ion Ratio Lower Upper

93 100

95 84.3 66.1 99.1

174 106.6 77.1 115.7





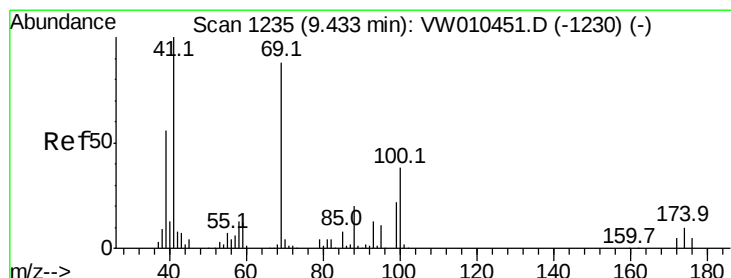
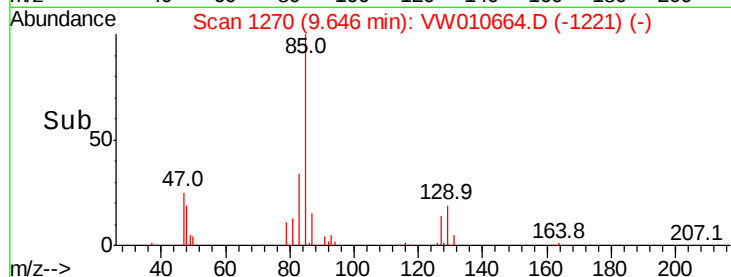
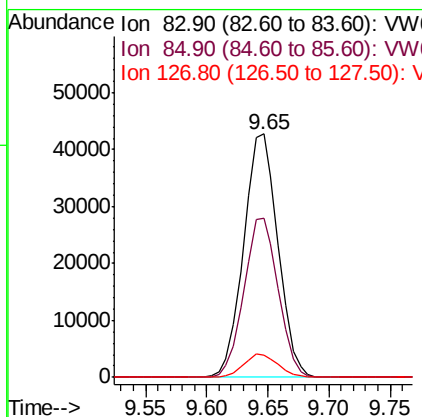
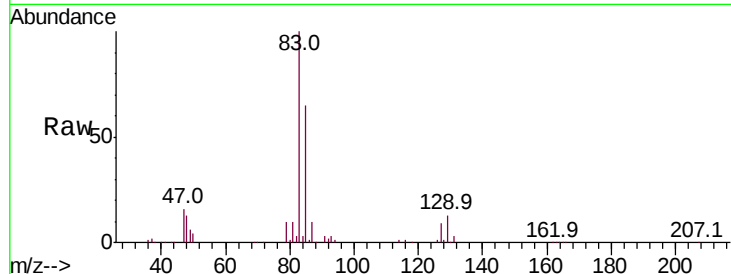
#47
Bromodichloromethane
Concen: 50.862 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VW010664.D
Acq: 03 Jun 2019 17:22

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

Tot Ion	Ratio	Resp	Lower	Upper
83	100	83128		
85	65.4		50.4	75.6
127	9.2		7.4	11.0

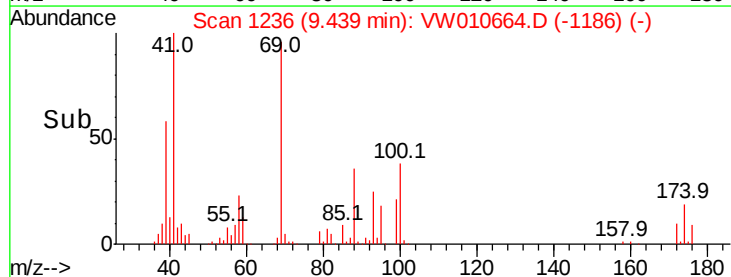
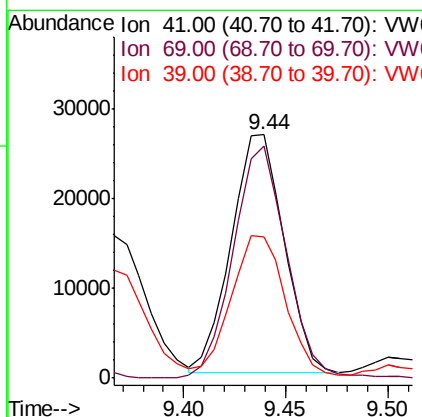
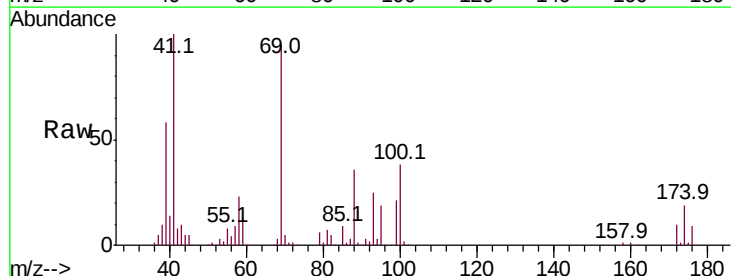
Manual Integrations
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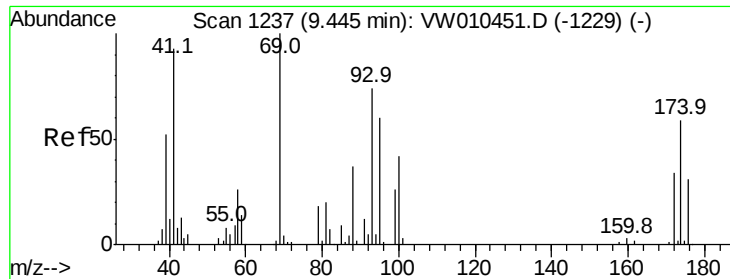
MMDadoda
6/4/2019 12:13:01 PM



#48
Methyl methacrylate
Concen: 72.595 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. 0.01 min
Lab File: VW010664.D
Acq: 03 Jun 2019 17:22

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	47534		
69	99.3		77.6	116.4
39	62.9		49.8	74.8





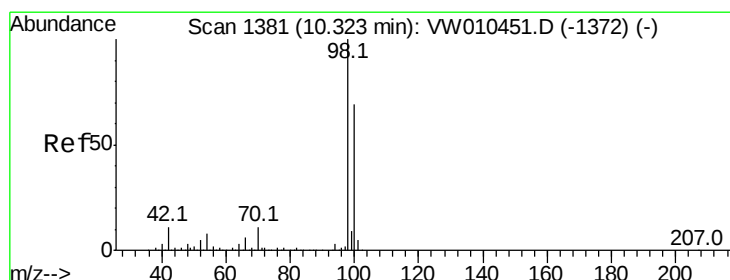
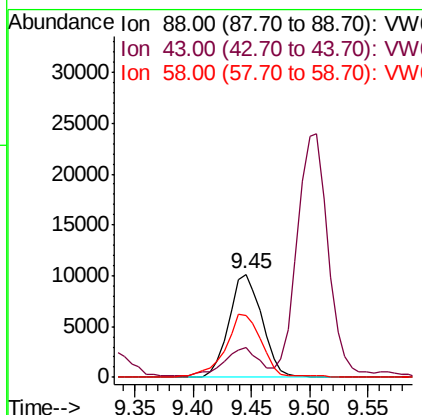
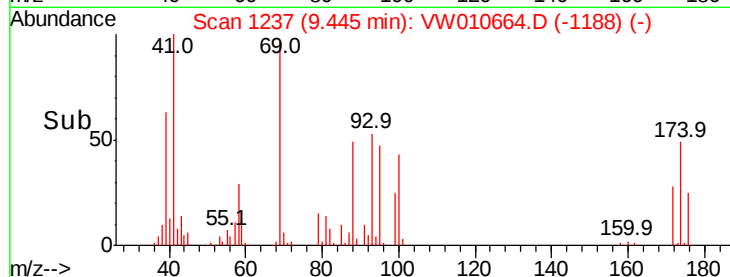
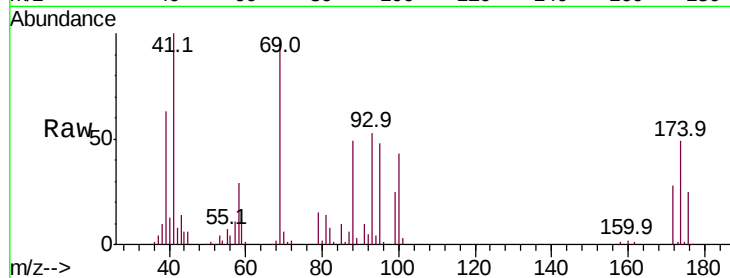
#49
1,4-Dioxane
Concen: 1889.334 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VW010664.D
Acq: 03 Jun 2019 17:22

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

Tot Ion	88	Resp	20073
Ion	Ratio	Lower	Upper
88	100		
43	29.0	25.9	38.9
58	67.7	52.7	79.1

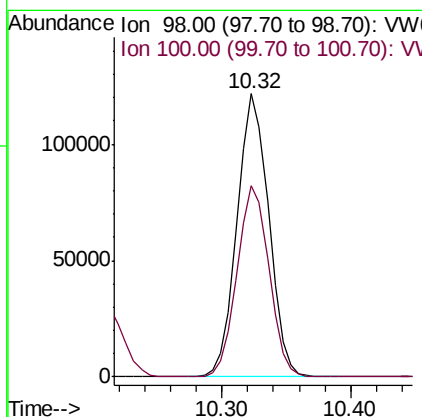
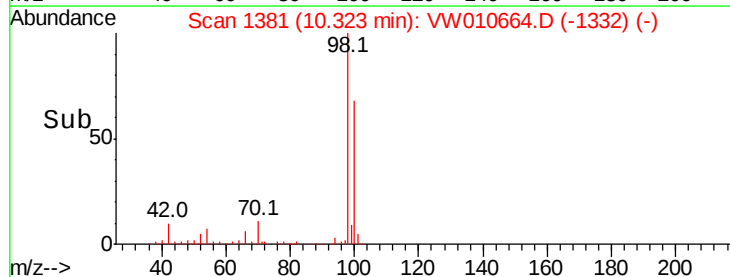
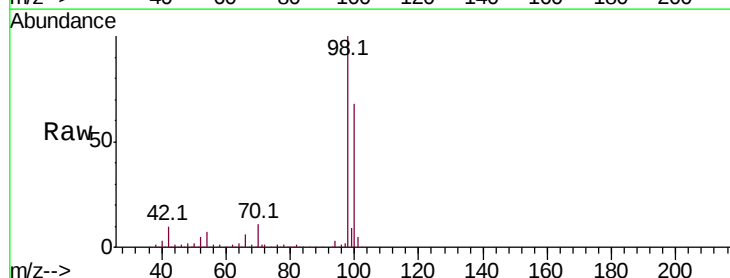
Manual Integrations
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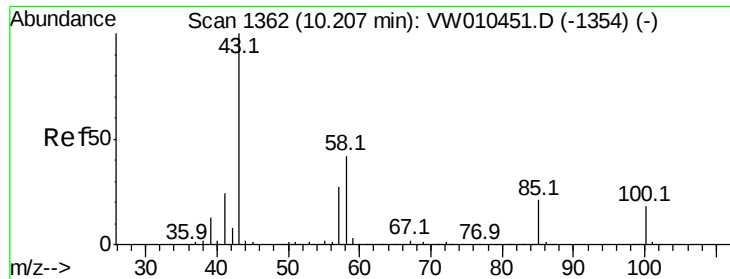
MMDadoda
6/4/2019 12:13:01 PM



#50
Toluene-d8
Concen: 49.581 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW010664.D
Acq: 03 Jun 2019 17:22

Tgt Ion	98	Resp	207853
Ion	Ratio	Lower	Upper
98	100		
100	68.1	53.7	80.5





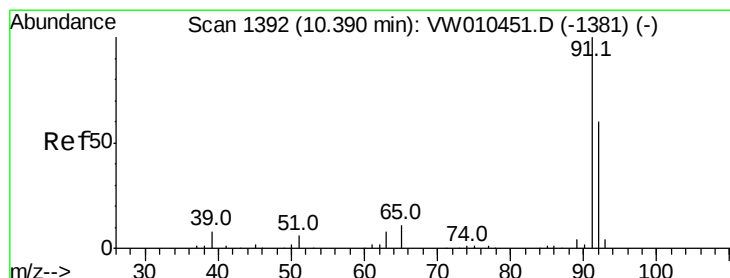
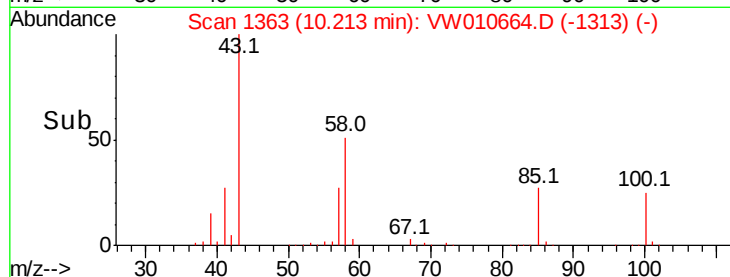
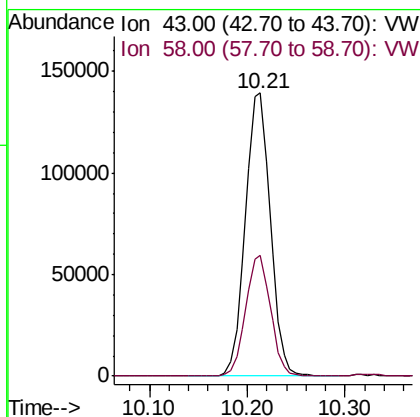
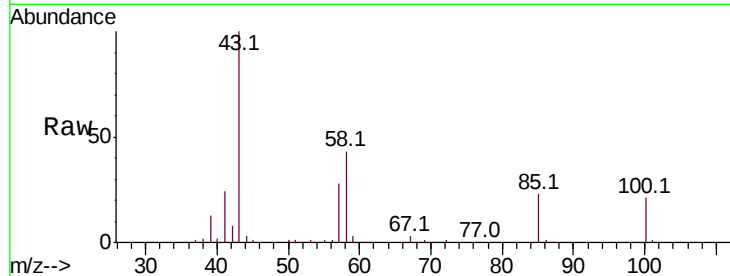
#51
4-Methyl-2-Pentanone
Concen: 342.324 ug/l
RT: 10.21 min Scan# 1363
Delta R.T. 0.01 min
Lab File: VW010664.D
Acq: 03 Jun 2019 17:22

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

Tot Ion: 43 Resp: 248270
Ion Ratio Lower Upper
43 100
58 42.3 33.2 49.8

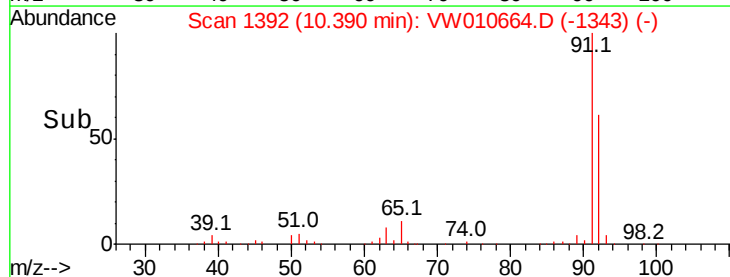
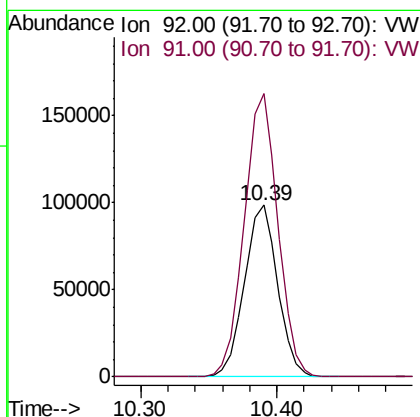
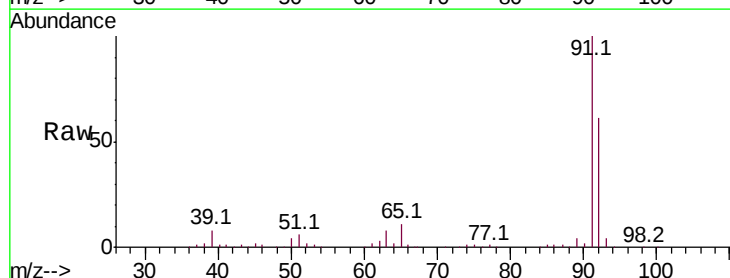
Manual Integrations
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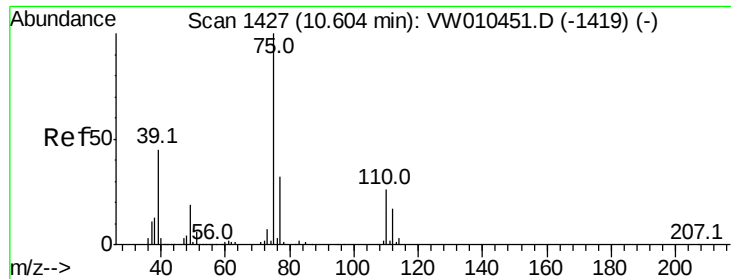
MMDadoda
6/4/2019 12:13:01 PM



#52
Toluene
Concen: 53.738 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. -0.00 min
Lab File: VW010664.D
Acq: 03 Jun 2019 17:22

Tgt Ion: 92 Resp: 168990
Ion Ratio Lower Upper
92 100
91 166.8 135.4 203.0





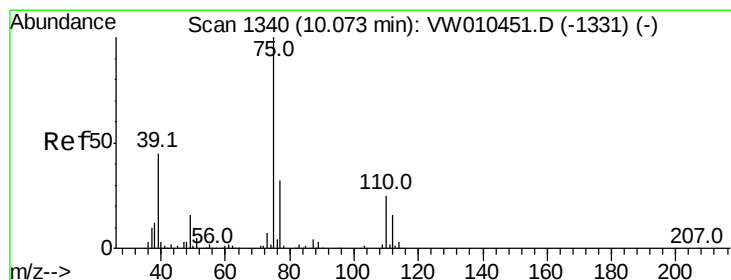
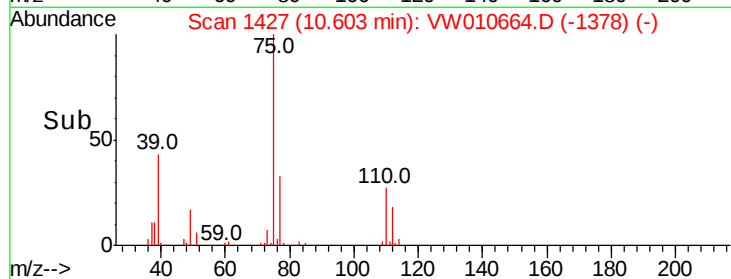
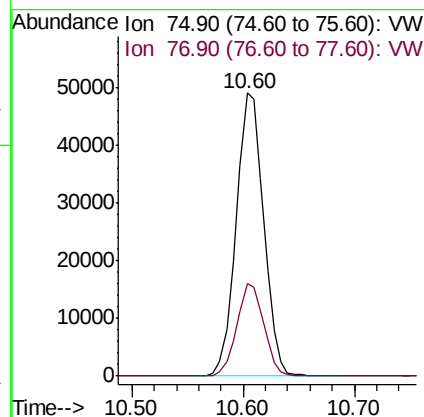
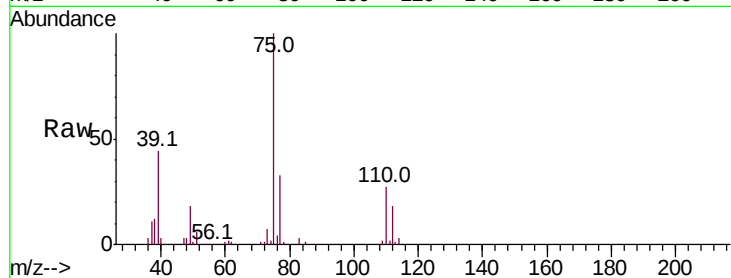
#53
 t-1,3-Dichloropropene
 Concen: 50.544 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.00 min
 Lab File: VW010664.D
 Acq: 03 Jun 2019 17:22

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

Tot Ion: 75 Resp: 83664
 Ion Ratio Lower Upper
 75 100
 77 32.6 25.4 38.0

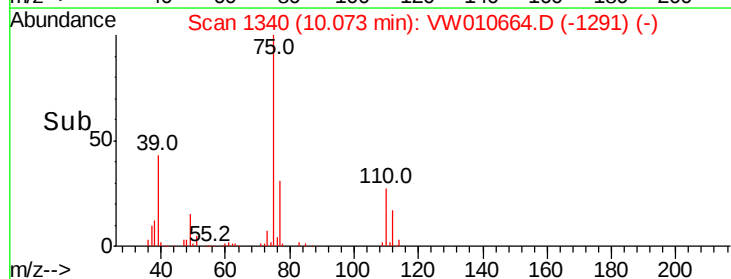
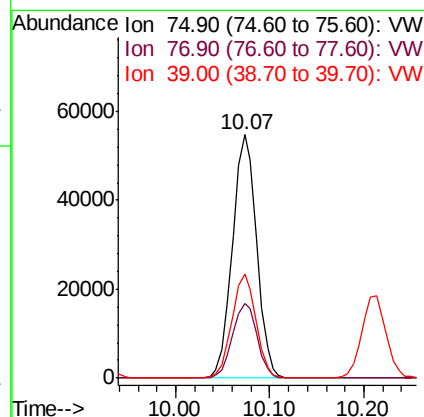
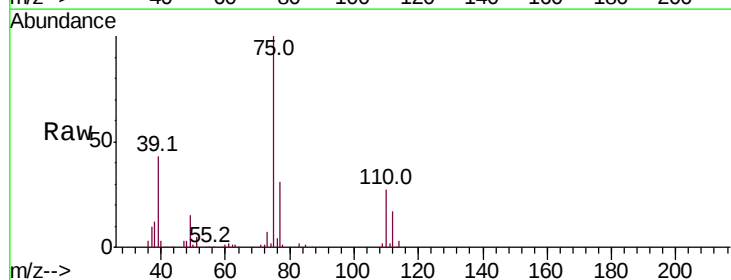
Manual Integrations
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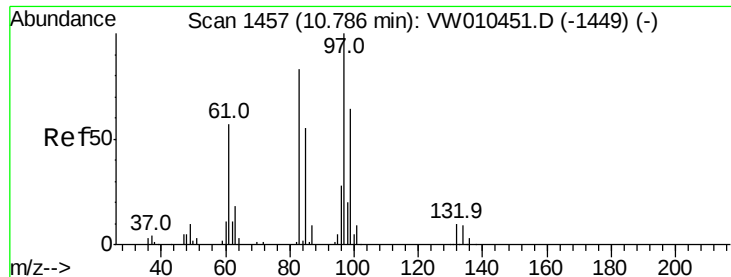
MMDadoda
 6/4/2019 12:13:01 PM



#54
 cis-1,3-Dichloropropene
 Concen: 51.623 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW010664.D
 Acq: 03 Jun 2019 17:22

Tgt Ion: 75 Resp: 97588
 Ion Ratio Lower Upper
 75 100
 77 30.6 25.7 38.5
 39 42.5 36.2 54.4





#55

1,1,2-Trichloroethane

Concen: 58.682 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW010664.D

Acq: 03 Jun 2019 17:22

Instrument :

MSVOA_W

ClientSampleId :

FESB-23(3-3.5)MS

Tot Ion: 97 Resp: 54883

Ion Ratio Lower Upper

97 100

83 82.9 66.1 99.1

85 56.3 44.2 66.4

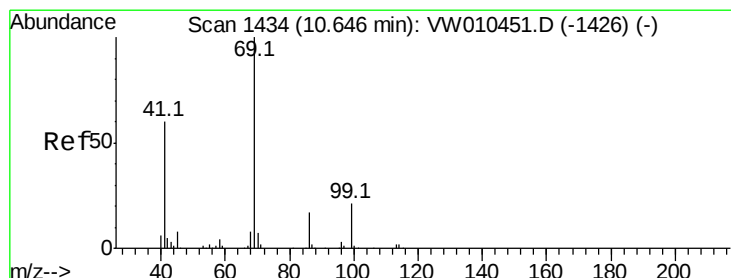
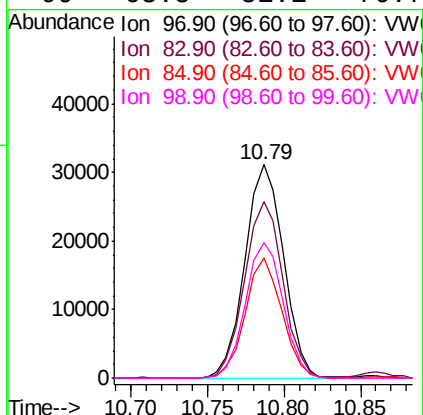
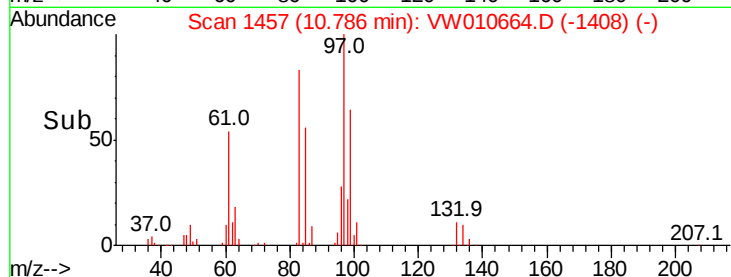
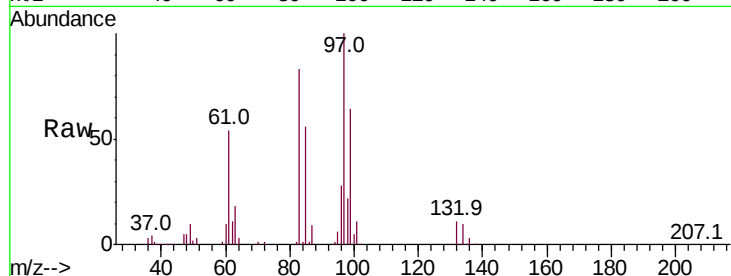
99 63.5 51.1 76.7

Manual Integrations

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#56

Ethyl methacrylate

Concen: 43.772 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW010664.D

Acq: 03 Jun 2019 17:22

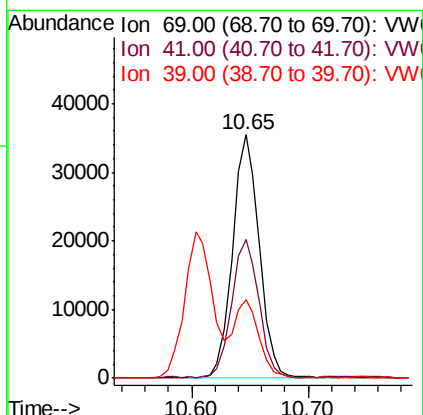
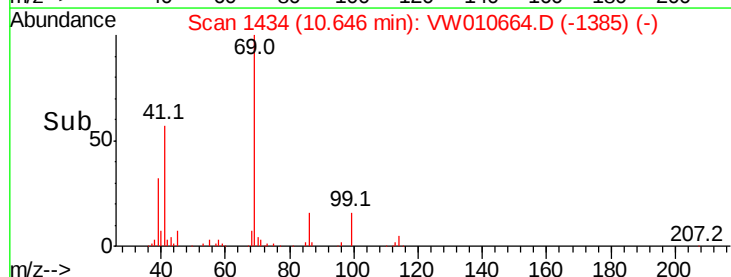
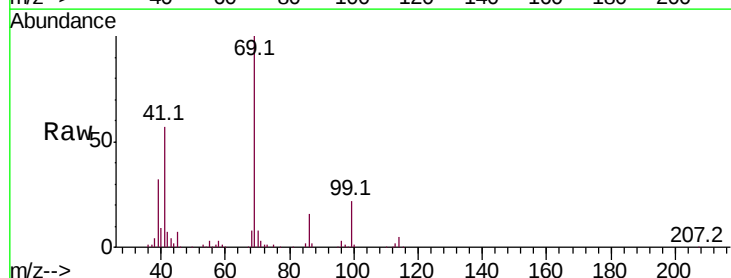
Tgt Ion: 69 Resp: 56460

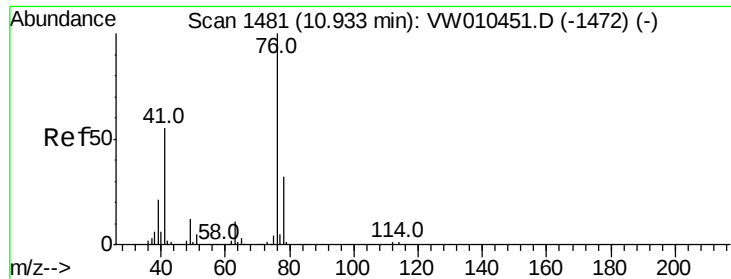
Ion Ratio Lower Upper

69 100

41 57.1 47.7 71.5

39 30.0 25.3 37.9





#57

1,3-Dichloropropane

Concen: 57.387 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW010664.D

Acq: 03 Jun 2019 17:22

Instrument :

MSVOA_W

ClientSampleId :

FESB-23(3-3.5)MS

Tot Ion: 76 Resp: 89904

Ion Ratio Lower Upper

76 100

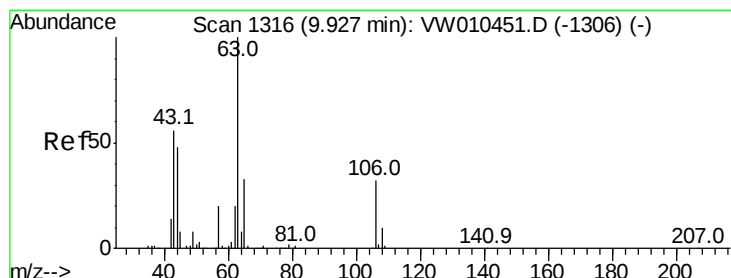
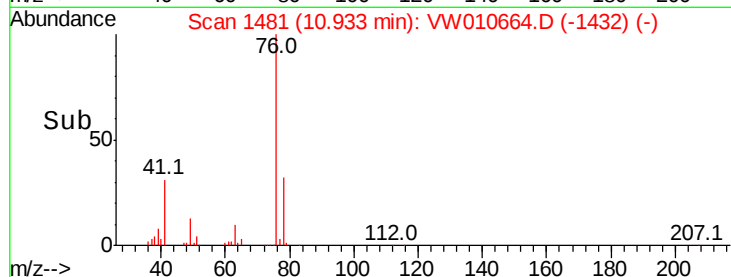
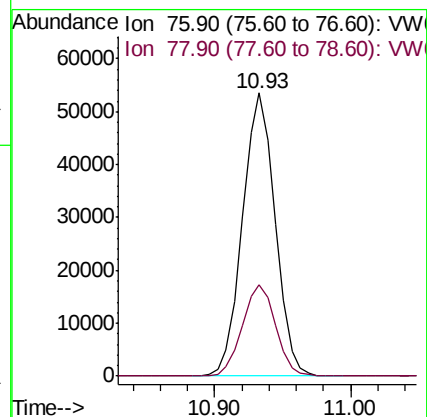
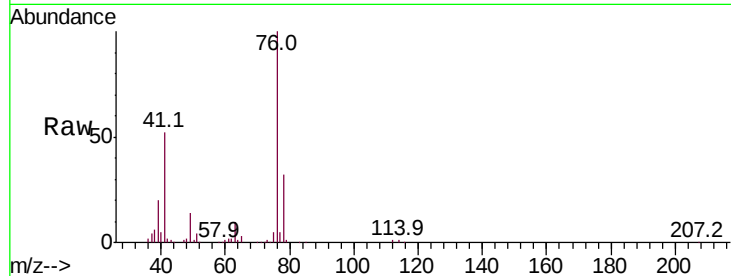
78 32.9 26.2 39.2

Manual Integrations

APPROVED

MMDadoda

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#58

2-Chloroethyl Vinyl ether

Concen: 295.327 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VW010664.D

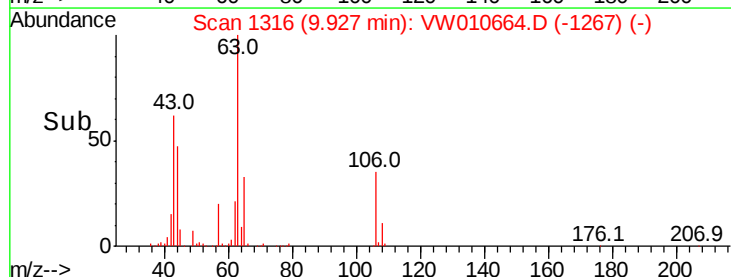
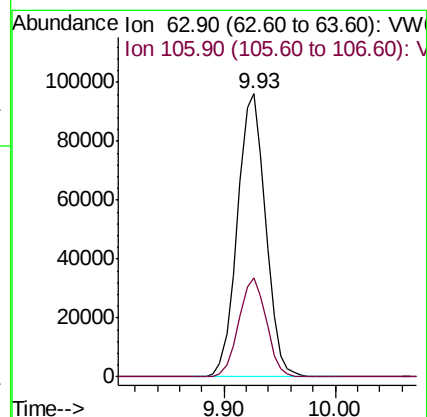
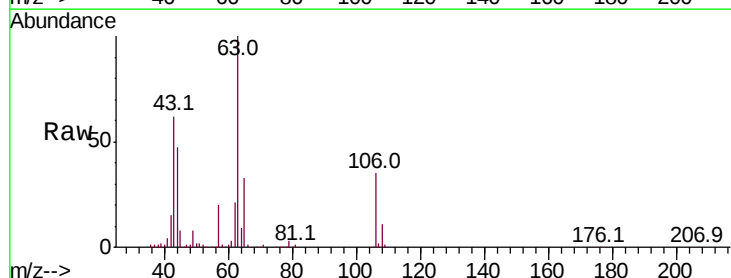
Acq: 03 Jun 2019 17:22

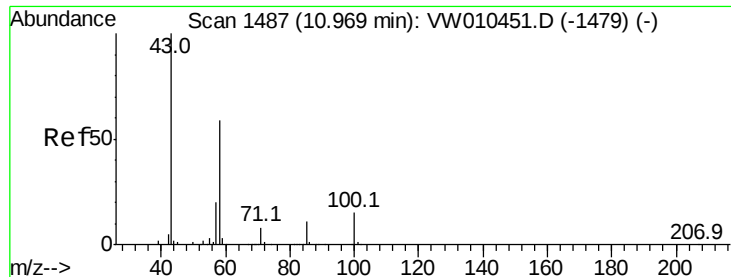
Tgt Ion: 63 Resp: 168727

Ion Ratio Lower Upper

63 100

106 34.0 25.8 38.6





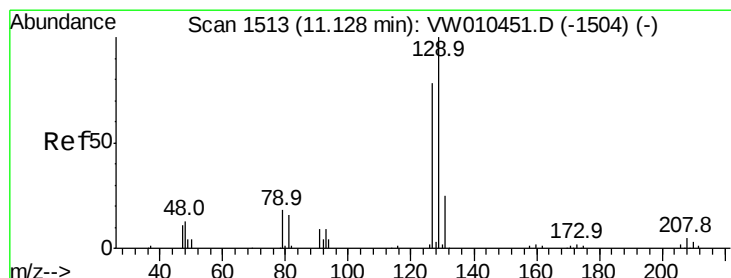
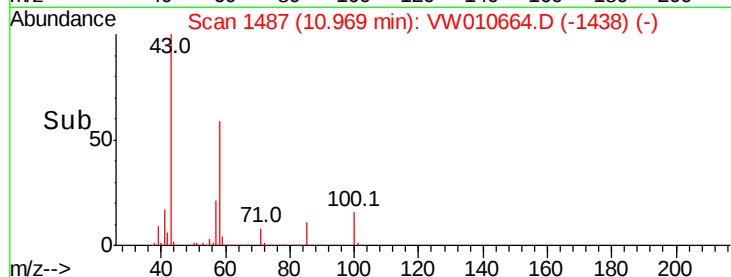
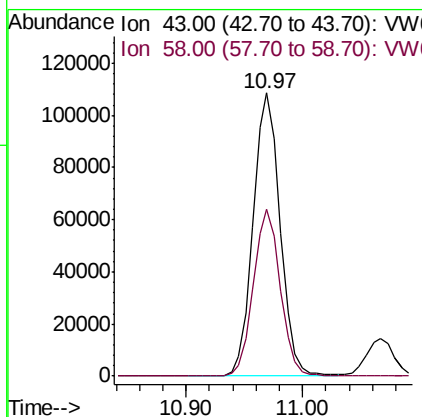
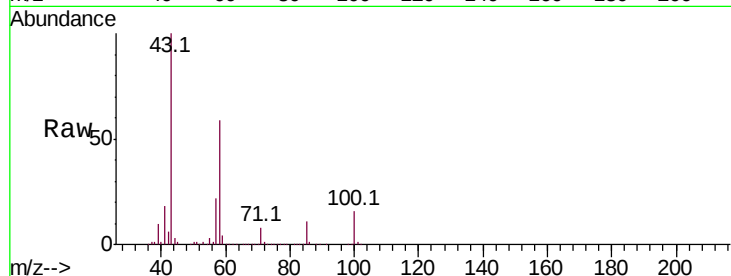
#59
2-Hexanone
Concen: 340.173 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW010664.D
Acq: 03 Jun 2019 17:22

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

Tot Ion	43	58	Ratio	100	58.7	Resp	175990	Lower	Upper
Ion	43	58	Ratio	100	58.7	Resp	175990	Lower	Upper
								28.9	86.8

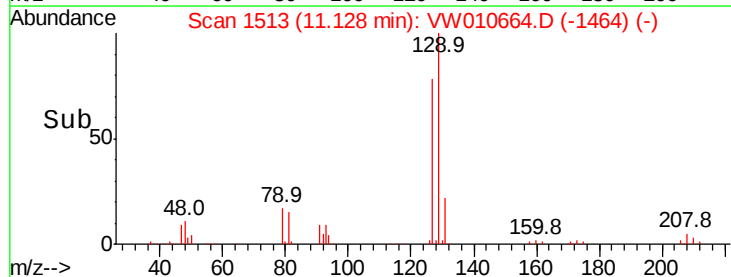
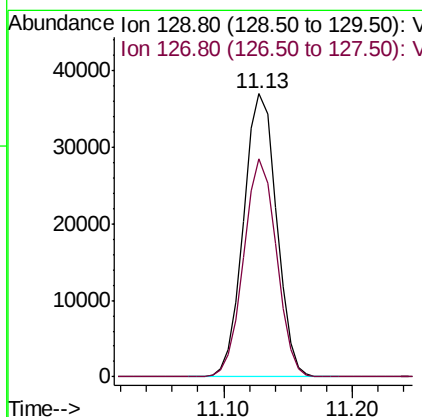
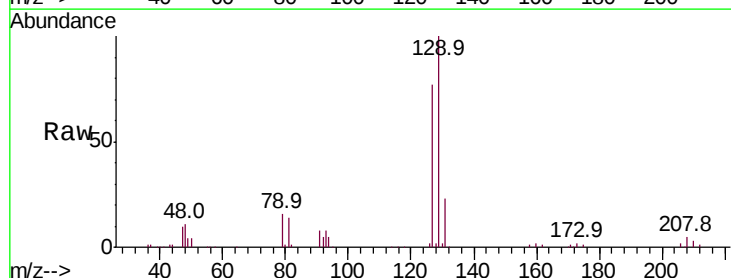
Manual Integrations
APPROVED

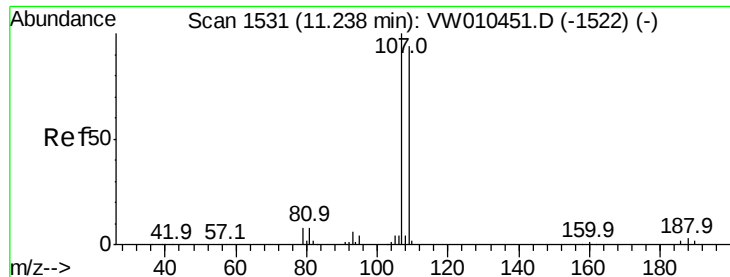
MMDadoda
6/4/2019 12:13:01 PM



#60
Dibromochloromethane
Concen: 55.270 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW010664.D
Acq: 03 Jun 2019 17:22

Tgt Ion	129	127	Ratio	100	76.4	Resp	65421	Lower	Upper
Ion	129	127	Ratio	100	76.4	Resp	65421	Lower	Upper
								38.9	116.7





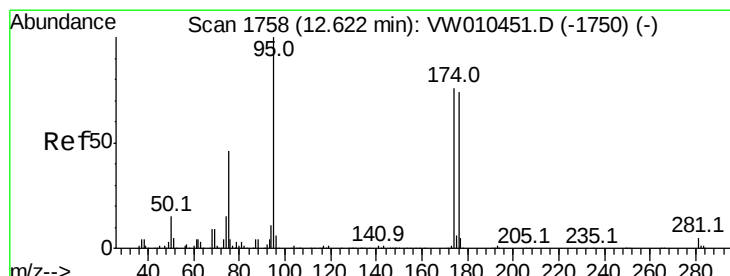
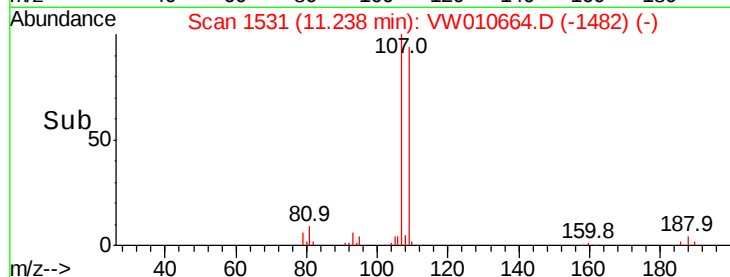
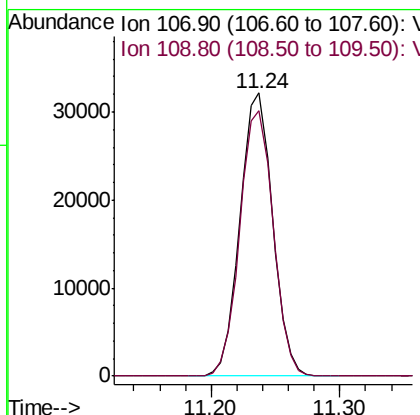
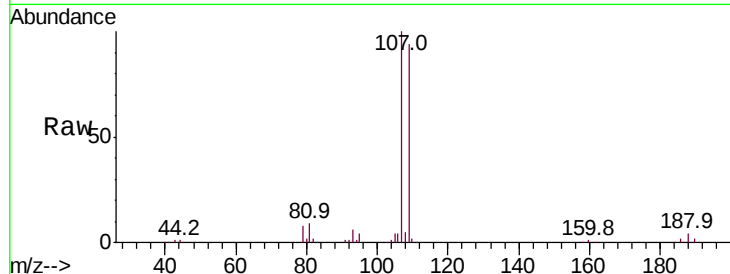
#61
1,2-Dibromoethane
Concen: 59.411 ug/l
RT: 11.24 min Scan# 1531
Delta R.T. -0.00 min
Lab File: VW010664.D
Acq: 03 Jun 2019 17:22

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

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.8	75.0	112.4

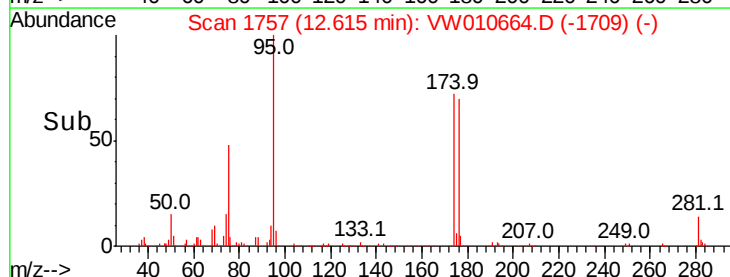
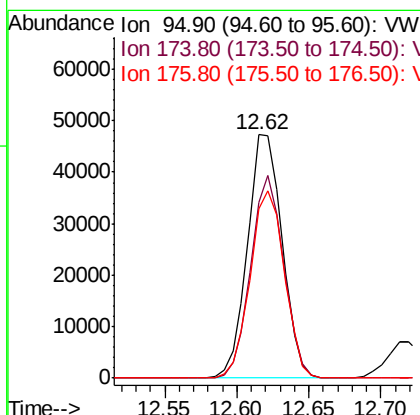
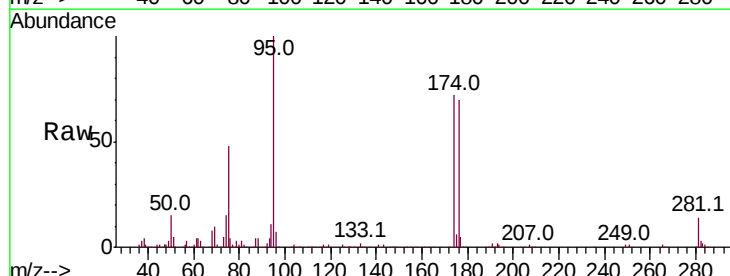
Manual Integrations
APPROVED

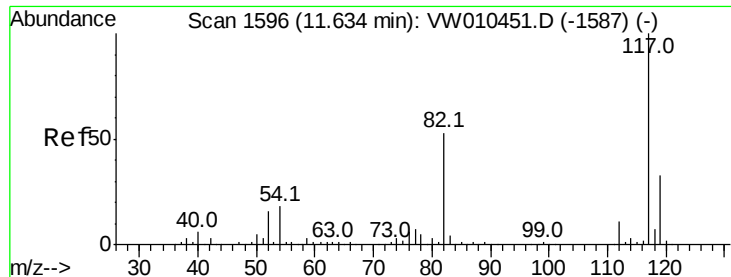
MMDadoda
6/4/2019 12:13:01 PM



#62
4-Bromofluorobenzene
Concen: 47.089 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.01 min
Lab File: VW010664.D
Acq: 03 Jun 2019 17:22

Tgt Ion	Ratio	Lower	Upper
95	100		
174	79.0	0.0	148.6
176	76.2	0.0	144.2





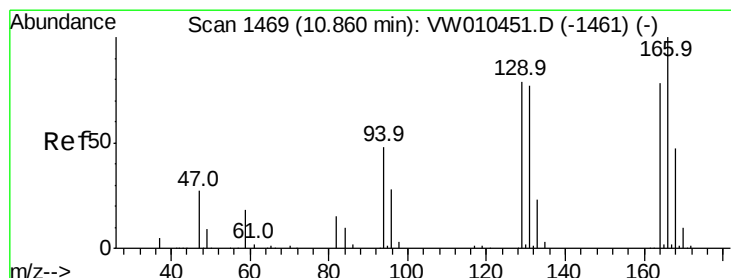
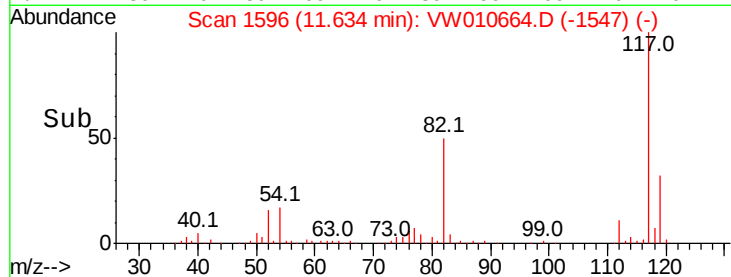
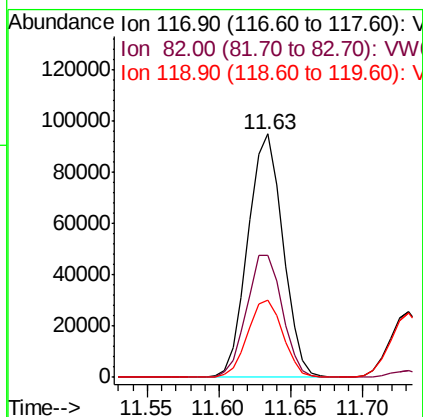
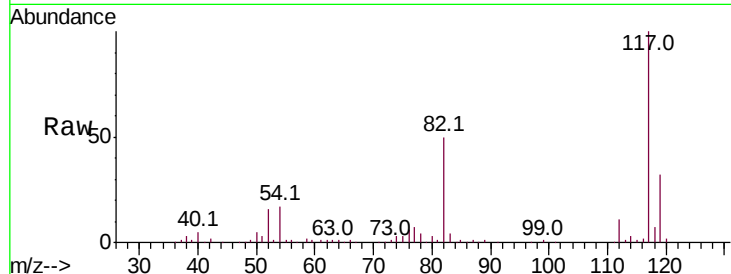
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010664.D
Acq: 03 Jun 2019 17:22

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

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.2	42.8	64.2
119	31.8	26.3	39.5

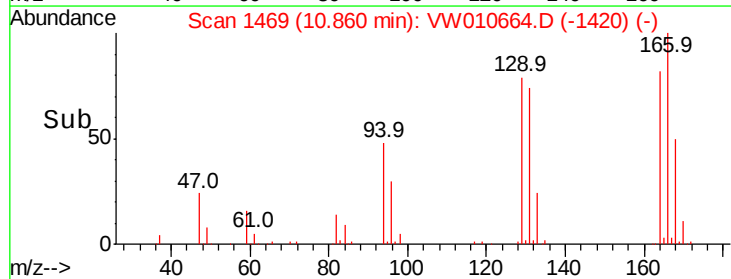
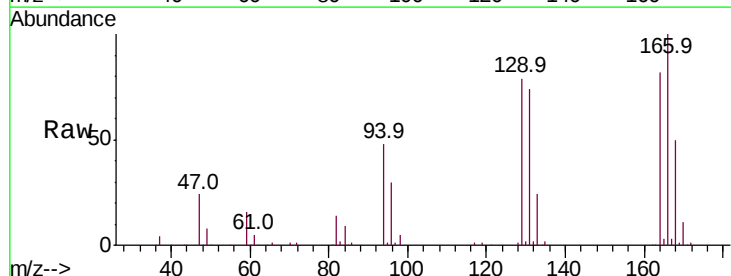
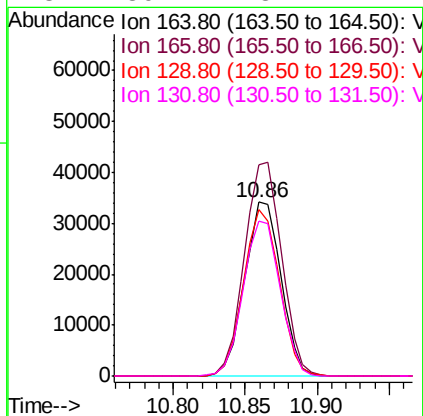
Manual Integrations
APPROVED

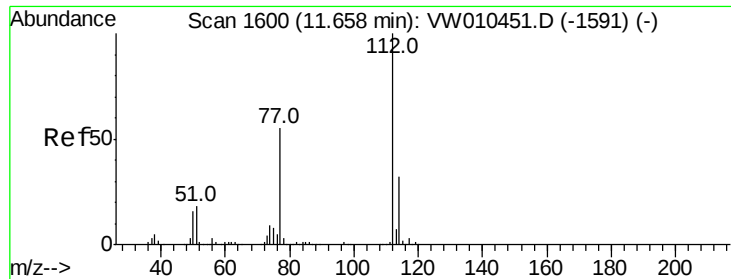
MMDadoda
6/4/2019 12:13:01 PM



#64
Tetrachloroethene
Concen: 53.493 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW010664.D
Acq: 03 Jun 2019 17:22

Tgt Ion	Ratio	Lower	Upper
164	100		
166	121.5	101.9	152.9
129	96.2	80.6	121.0
131	89.4	78.2	117.2





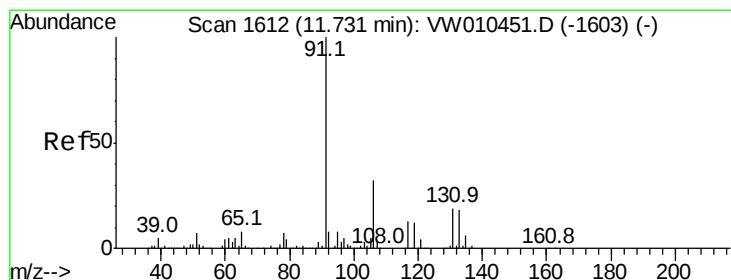
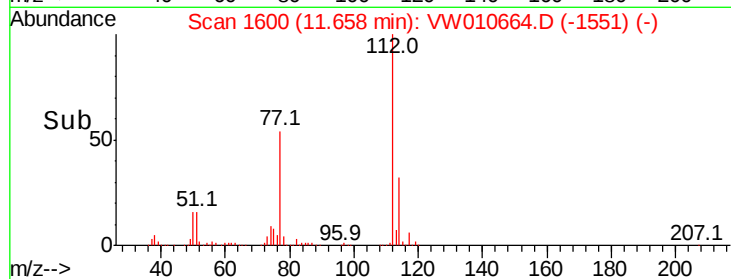
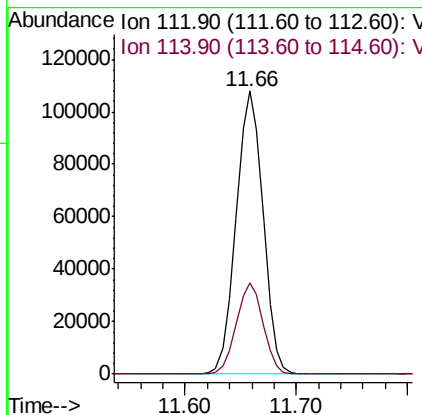
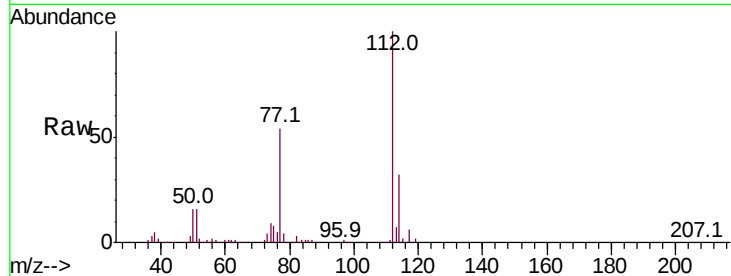
#65
Chlorobenzene
Concen: 53.064 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW010664.D
Acq: 03 Jun 2019 17:22

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

Tot Ion	Ratio	Resp	Lower	Upper
112	100	180635		
114	32.1	25.3	37.9	

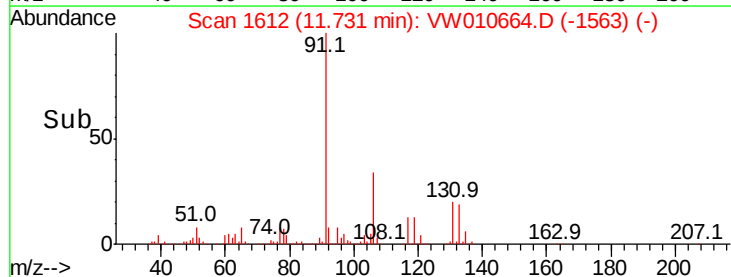
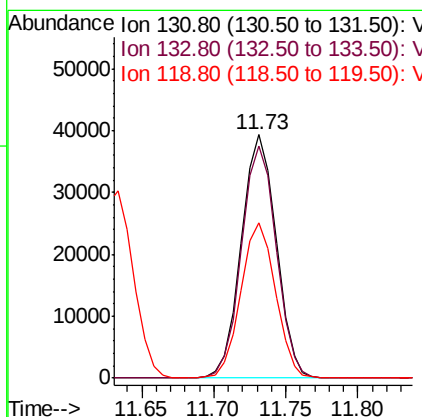
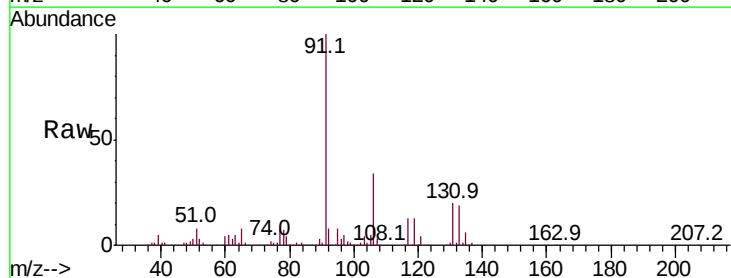
Manual Integrations
APPROVED

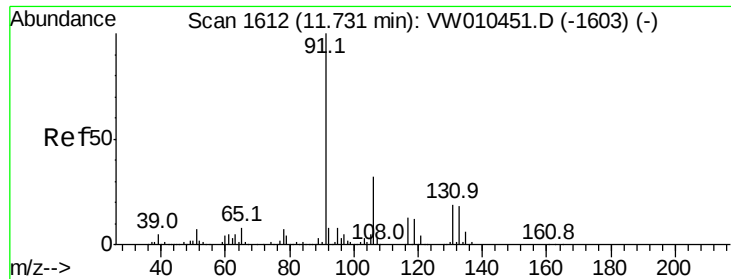
MMDadoda
6/4/2019 12:13:01 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 54.219 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010664.D
Acq: 03 Jun 2019 17:22

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	66116		
133	95.2	47.3	141.9	
119	63.2	32.1	96.5	





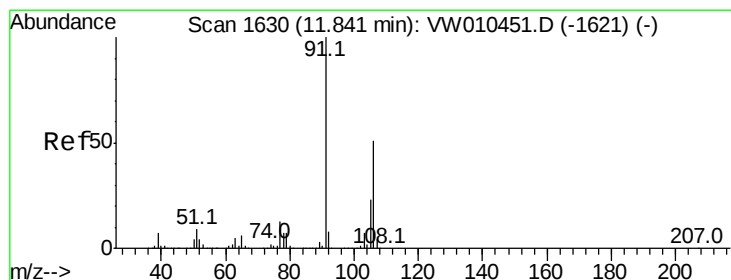
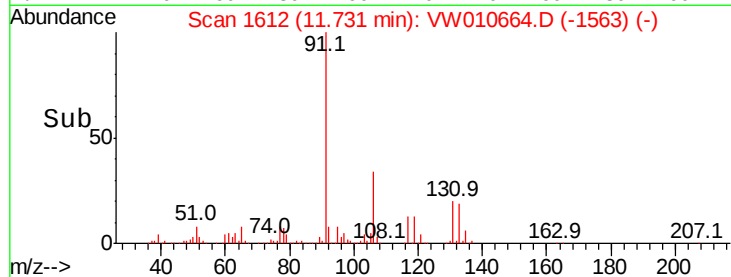
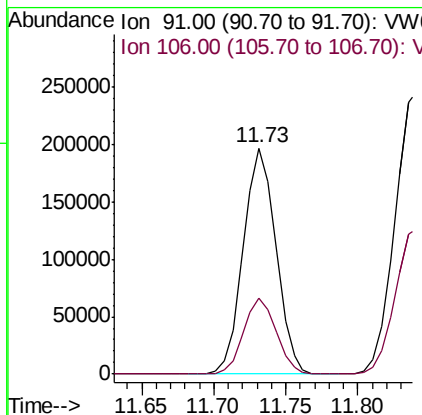
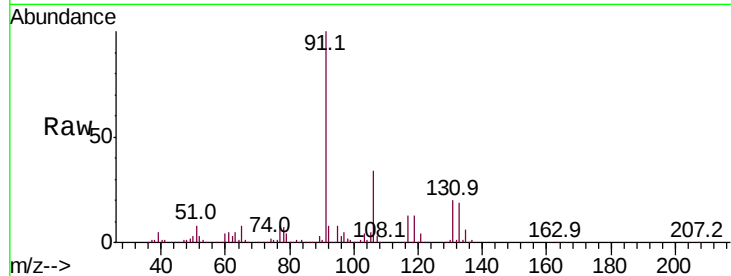
#67
Ethyl Benzene
Concen: 51.581 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010664.D
Acq: 03 Jun 2019 17:22

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

Tot Ion: 91 Resp: 310009
Ion Ratio Lower Upper
91 100
106 33.6 25.9 38.9

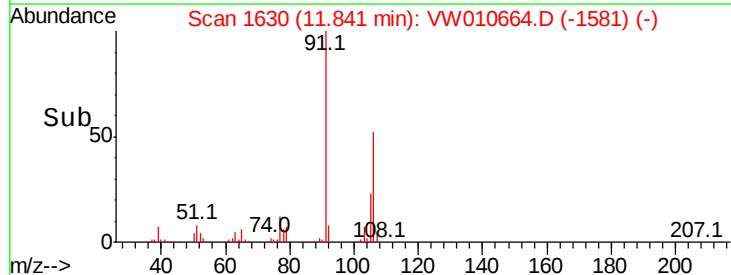
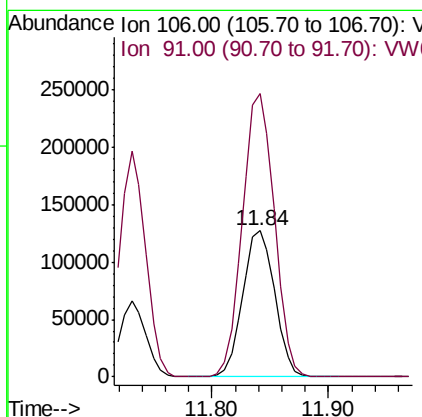
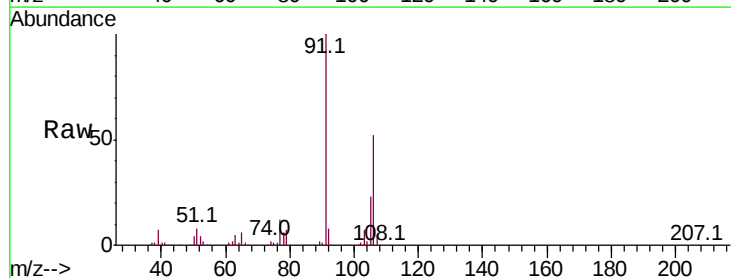
Manual Integrations
APPROVED

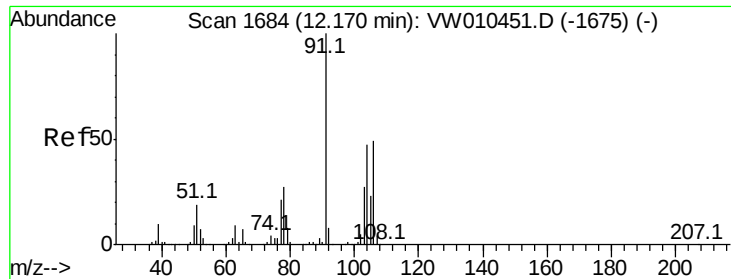
MMDadoda
6/4/2019 12:13:01 PM



#68
m/p-Xylenes
Concen: 103.877 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW010664.D
Acq: 03 Jun 2019 17:22

Tgt Ion: 106 Resp: 244874
Ion Ratio Lower Upper
106 100
91 193.1 156.0 234.0





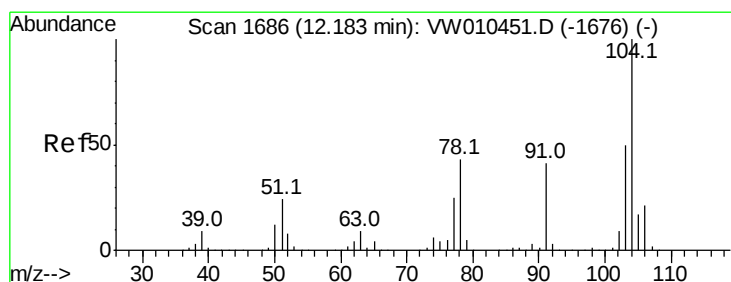
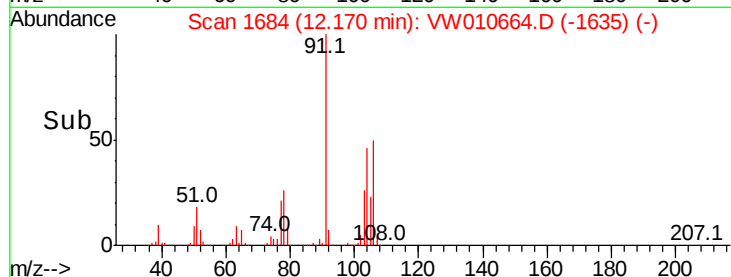
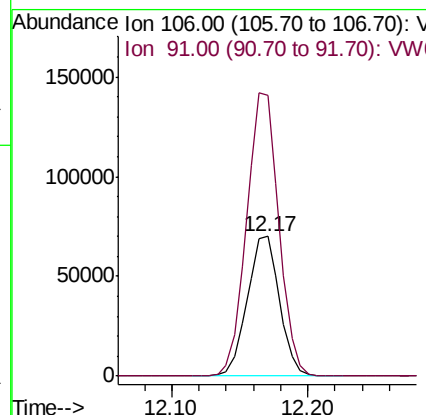
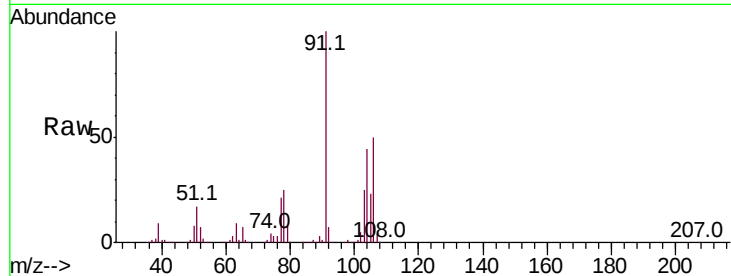
#69
o-Xylene
Concen: 51.978 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW010664.D
Acq: 03 Jun 2019 17:22

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

Tot Ion	Ratio	Lower	Upper
106	100		
91	202.4	103.2	309.4

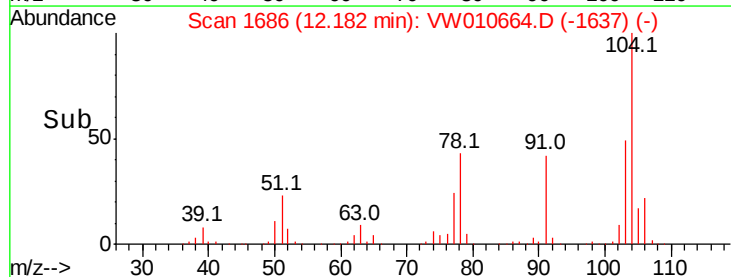
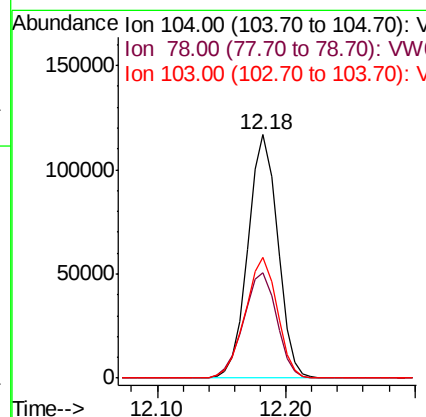
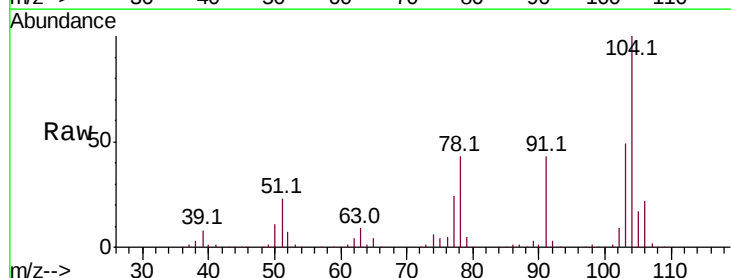
Manual Integrations
APPROVED

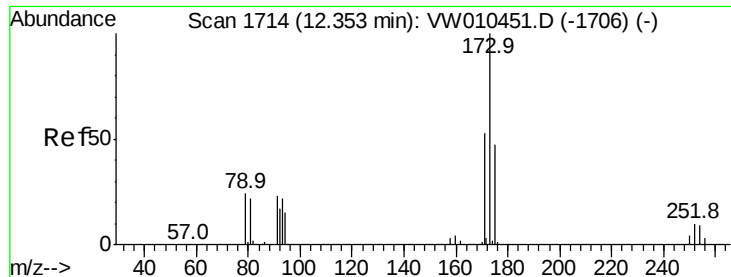
MMDadoda
6/4/2019 12:13:01 PM



#70
Styrene
Concen: 49.175 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW010664.D
Acq: 03 Jun 2019 17:22

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.5	39.0	58.4
103	53.6	43.0	64.6





#71

Bromoform

Concen: 58.828 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW010664.D

Acq: 03 Jun 2019 17:22

Instrument :

MSVOA_W

ClientSampleId :

FESB-23(3-3.5)MS

Tot Ion:173 Resp: 39504

Ion Ratio Lower Upper

173 100

175 48.6 24.4 73.4

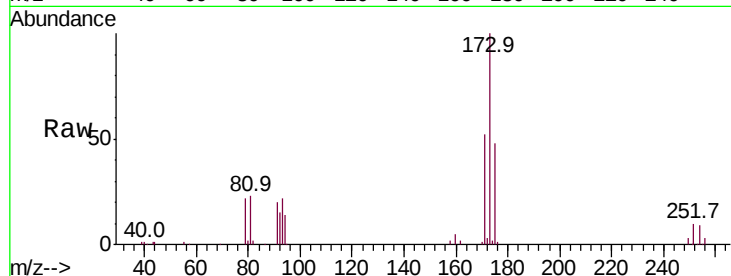
254 0.1 0.0 0.0#

Manual Integrations

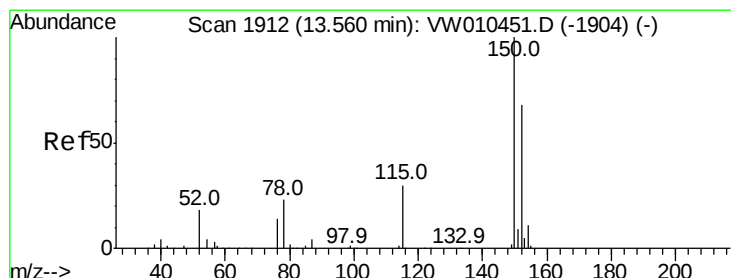
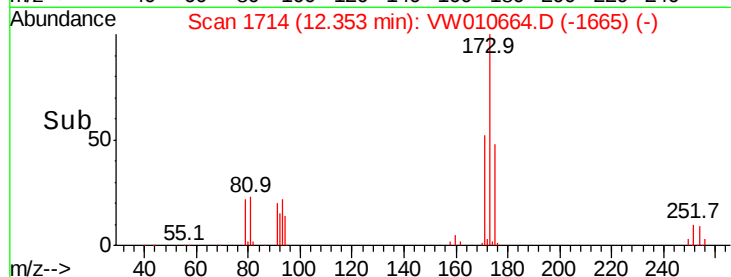
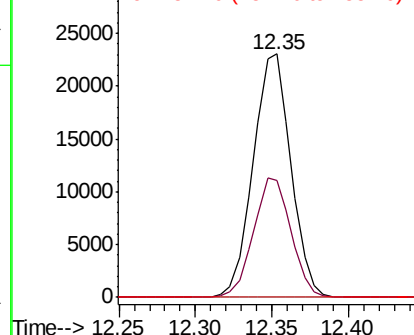
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6/4/2019 12:13:01 PM



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW010664.D

Acq: 03 Jun 2019 17:22

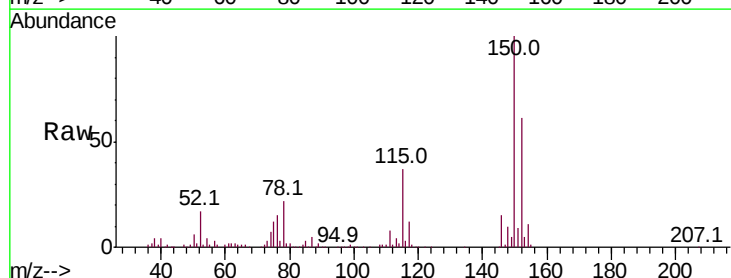
Tgt Ion:152 Resp: 75332

Ion Ratio Lower Upper

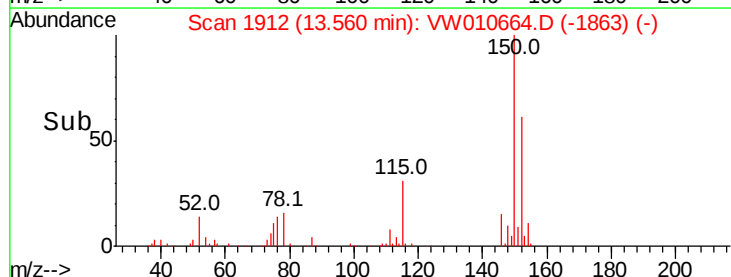
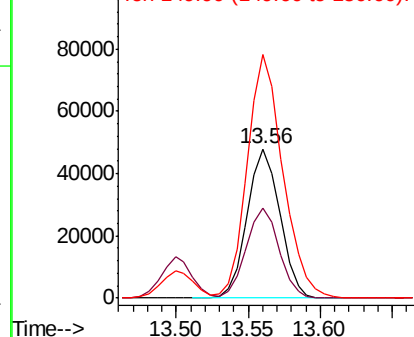
152 100

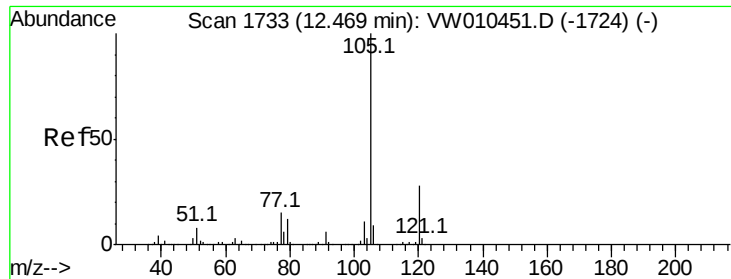
115 60.8 30.3 91.0

150 177.4 0.0 349.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 51.406 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW010664.D

Acq: 03 Jun 2019 17:22

Instrument :

MSVOA_W

ClientSampleId :

FESB-23(3-3.5)MS

Tot Ion:105 Resp: 307295

Ion Ratio Lower Upper

105 100

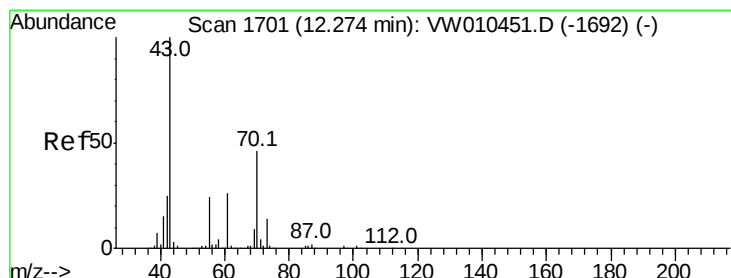
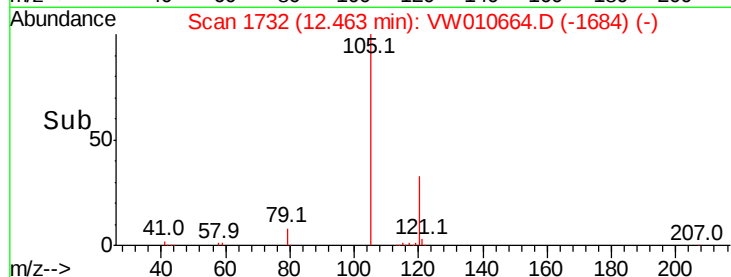
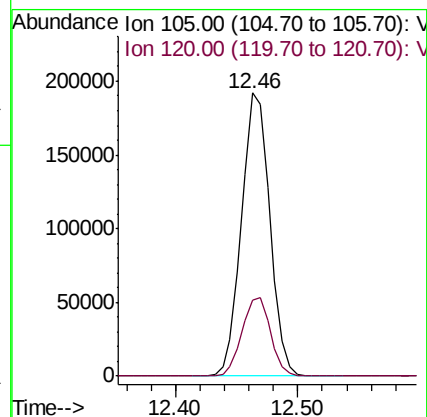
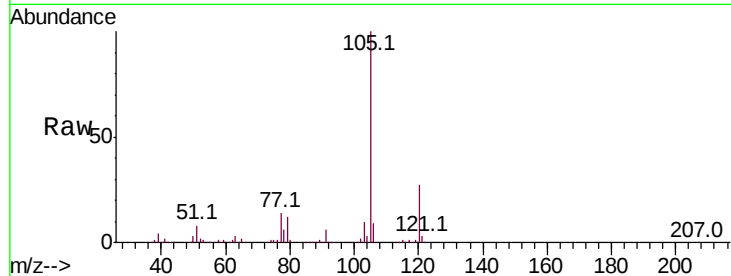
120 28.0 13.9 41.7

Manual Integrations

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6/4/2019 12:13:01 PM



#74

N-ethyl acetate

Concen: 6.309 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW010664.D

Acq: 03 Jun 2019 17:22

Tgt Ion: 43 Resp: 8642

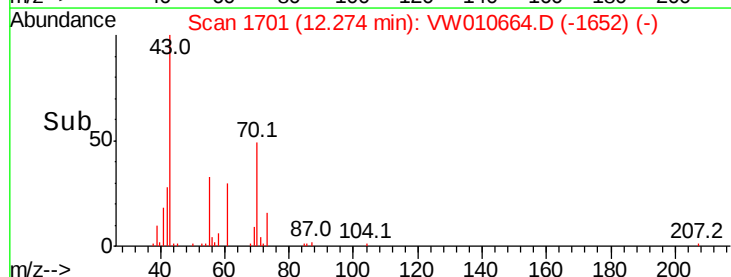
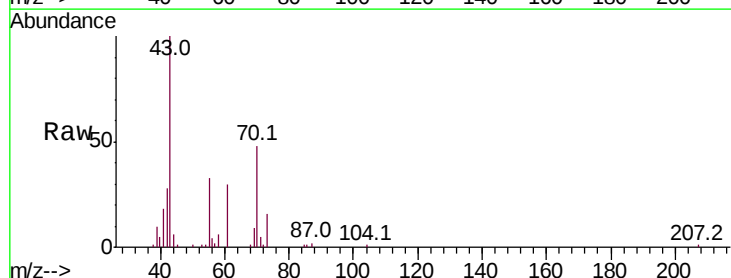
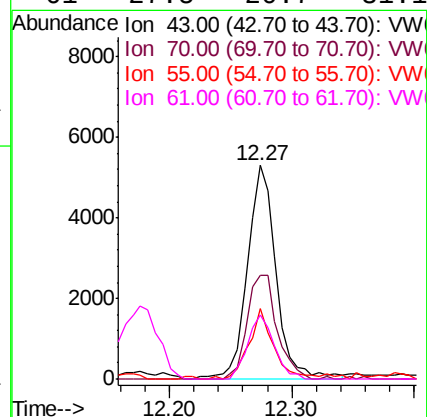
Ion Ratio Lower Upper

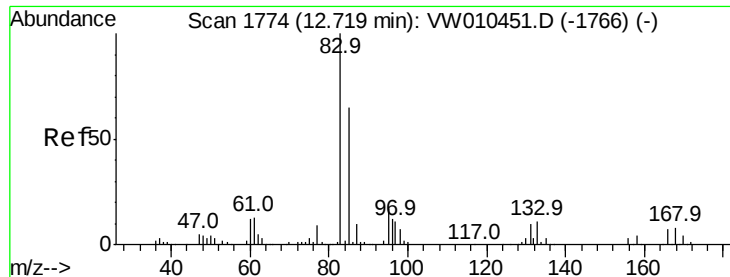
43 100

70 50.6 37.1 55.7

55 28.4 19.6 29.4

61 27.5 20.7 31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 62.411 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW010664.D

Acq: 03 Jun 2019 17:22

Instrument :

MSVOA_W

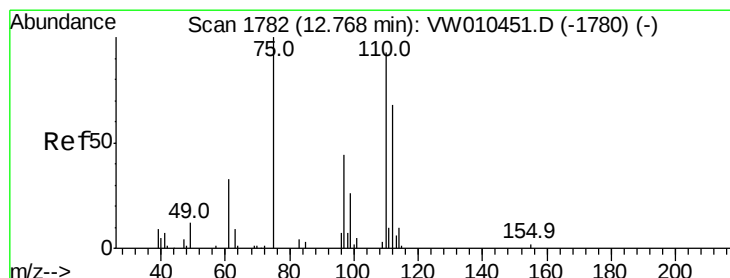
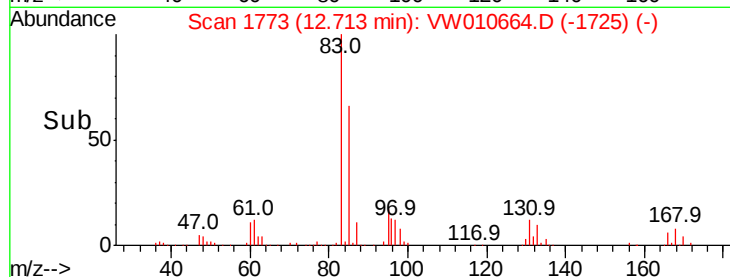
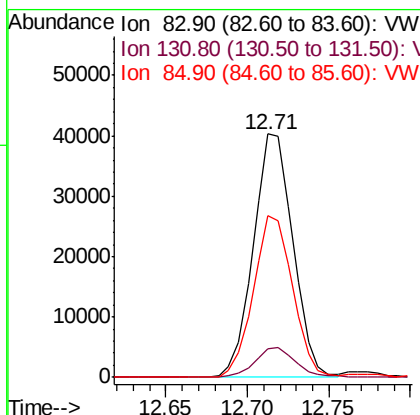
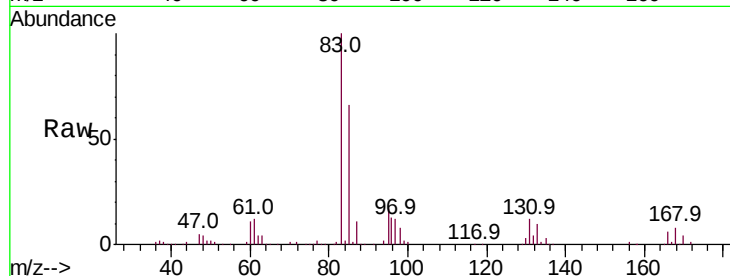
ClientSampleId :

FESB-23(3-3.5)MS

Tot Ion:	83	Resp:	67859
Ion Ratio	Lower	Upper	
83	100		
131	12.6	5.6	16.8
85	65.9	32.4	97.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 65.006 ug/l m

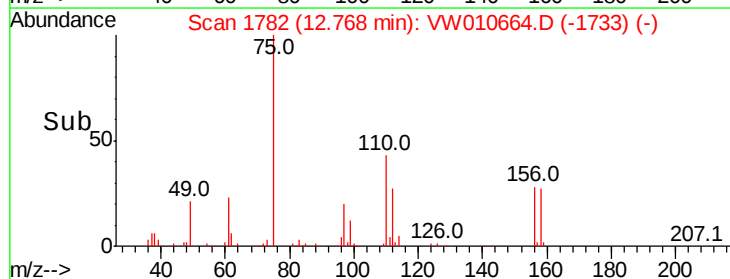
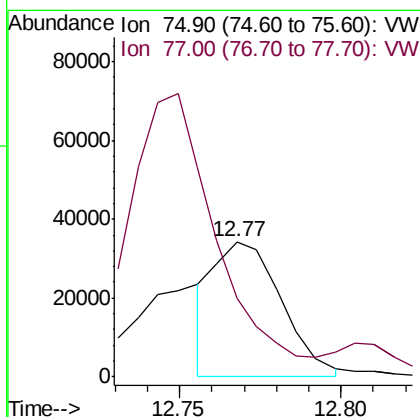
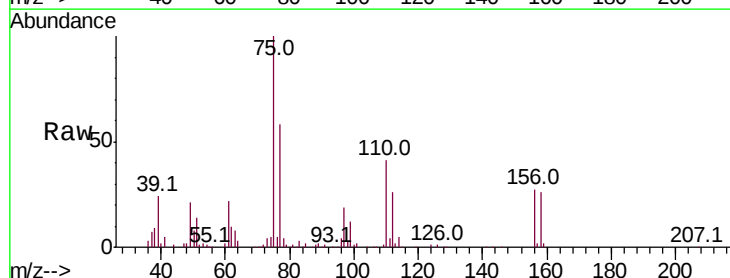
RT: 12.77 min Scan# 1782

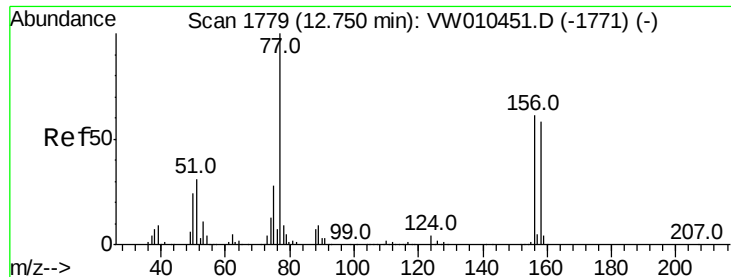
Delta R.T. -0.00 min

Lab File: VW010664.D

Acq: 03 Jun 2019 17:22

Tgt Ion:	75	Resp:	49708
Ion Ratio	Lower	Upper	
75	100		
77	276.1	170.0	510.1





#77

Bromobenzene

Concen: 57.182 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW010664.D

Acq: 03 Jun 2019 17:22

Instrument :

MSVOA_W

ClientSampleId :

FESB-23(3-3.5)MS

Tot Ion:156 Resp: 76495

Ion Ratio Lower Upper

156 100

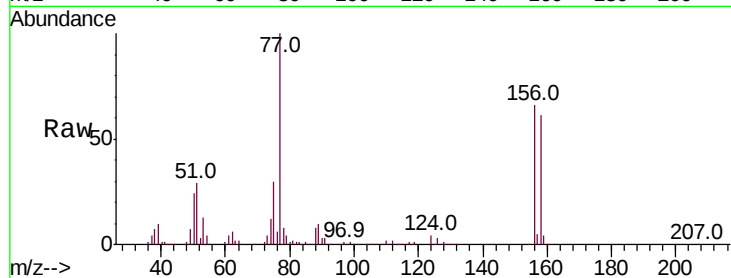
77 179.4 92.4 277.2

158 95.7 48.3 144.8

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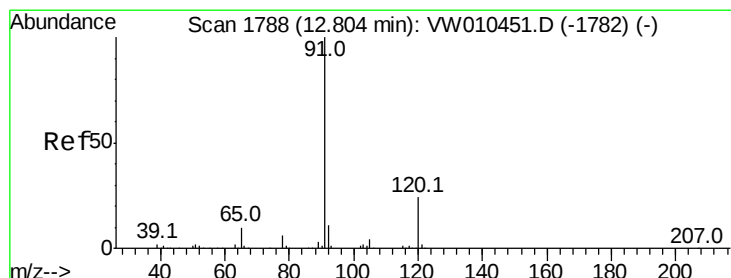
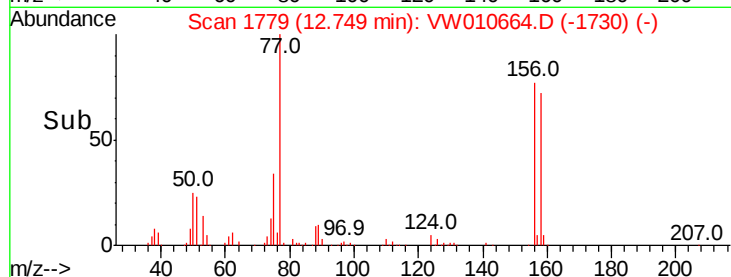
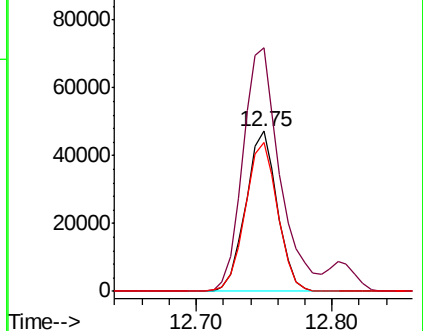
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 48.802 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW010664.D

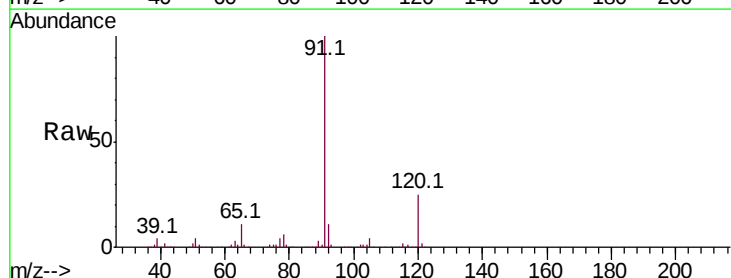
Acq: 03 Jun 2019 17:22

Tgt Ion: 91 Resp: 339978

Ion Ratio Lower Upper

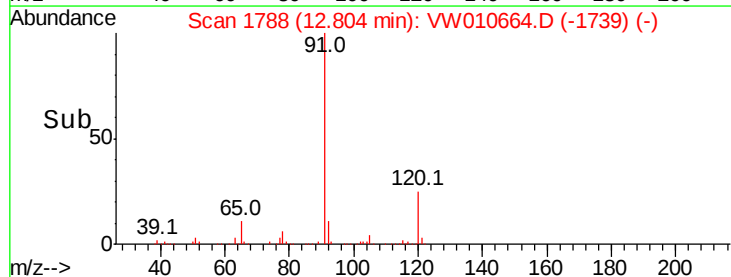
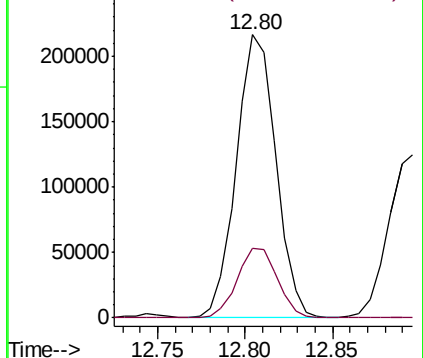
91 100

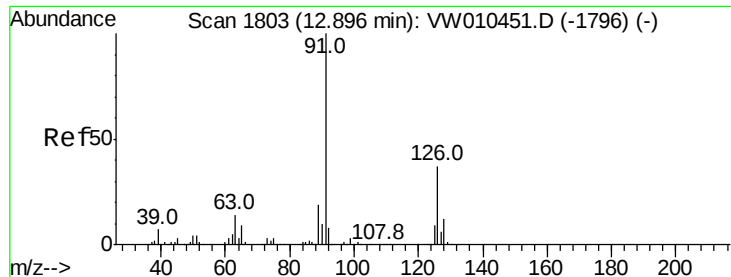
120 25.1 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.934 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW010664.D

Acq: 03 Jun 2019 17:22

Instrument :

MSVOA_W

ClientSampleId :

FESB-23(3-3.5)MS

Tot Ion: 91 Resp: 201731

Ion Ratio Lower Upper

91 100

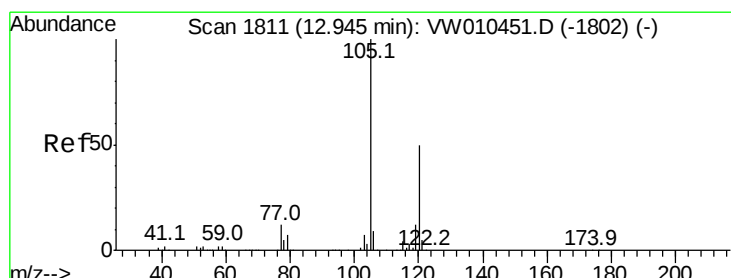
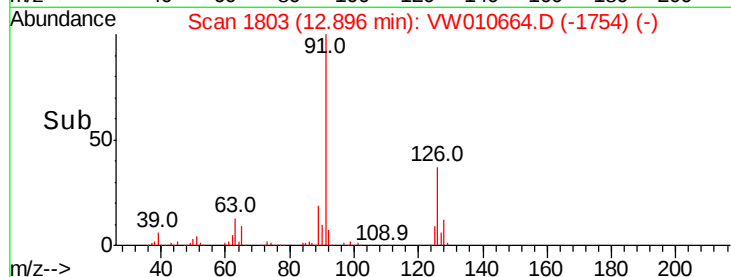
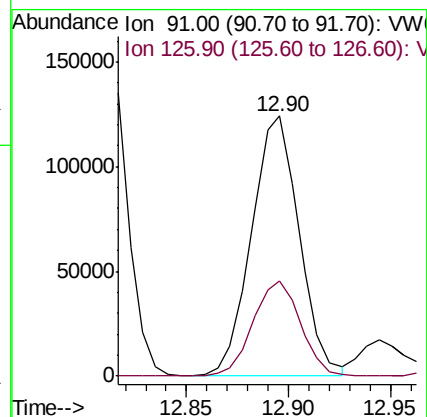
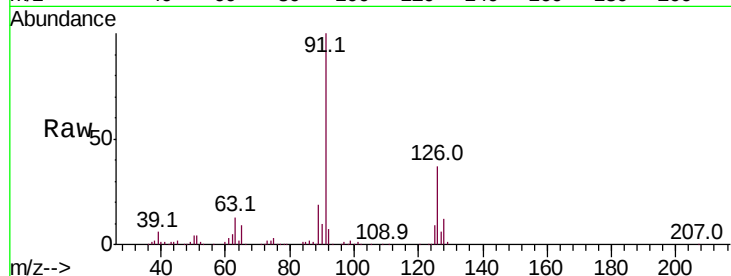
126 36.6 17.4 52.3

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 49.213 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW010664.D

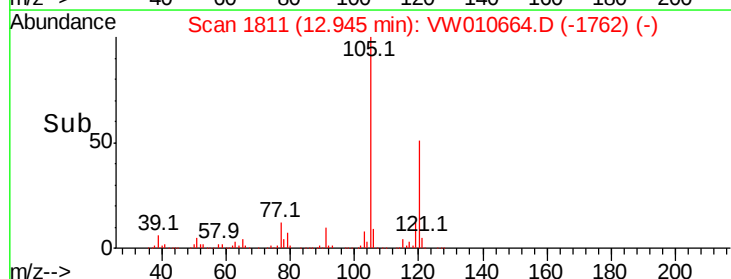
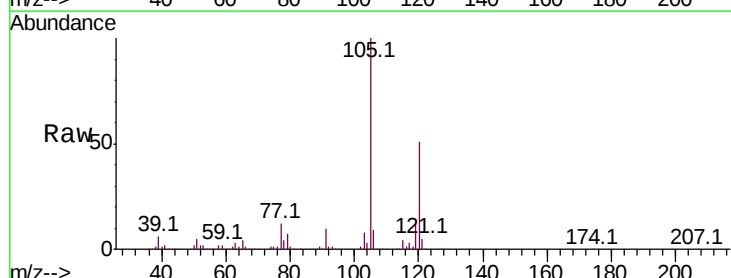
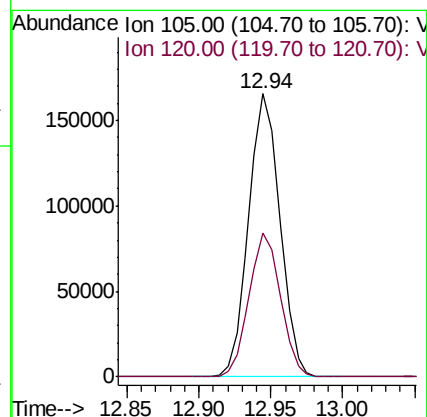
Acq: 03 Jun 2019 17:22

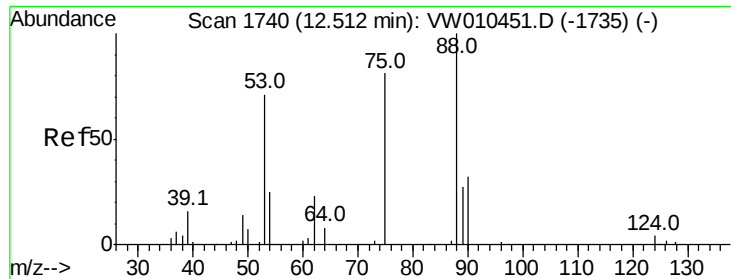
Tgt Ion: 105 Resp: 249158

Ion Ratio Lower Upper

105 100

120 51.2 25.2 75.6





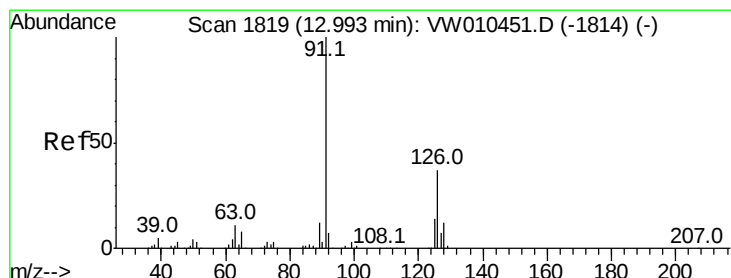
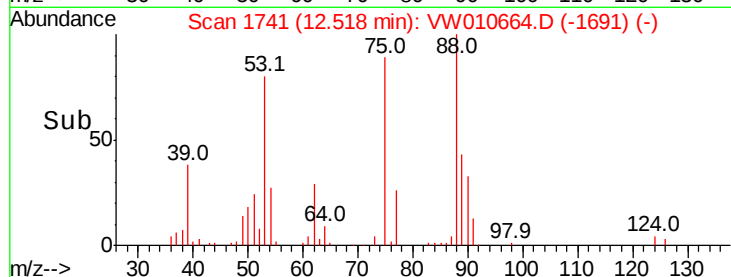
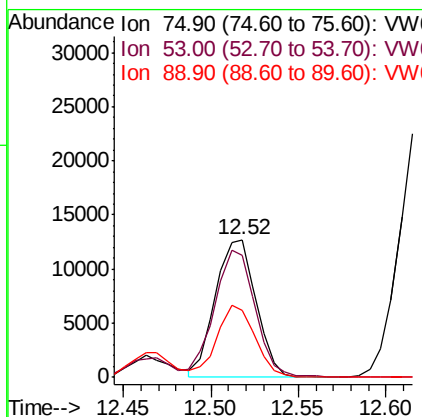
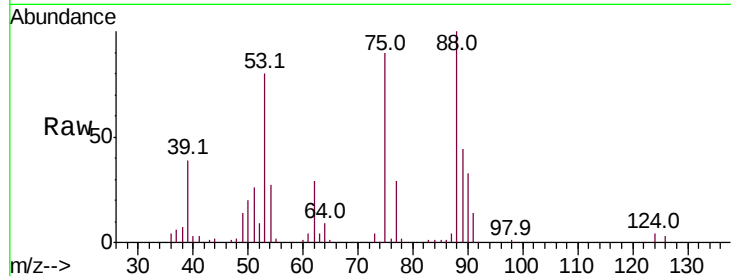
#81
trans-1,4-Dichloro-2-butene
Concen: 56.418 ug/l
RT: 12.52 min Scan# 1741
Delta R.T. 0.01 min
Lab File: VW010664.D
Acq: 03 Jun 2019 17:22

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

Tot Ion	Ratio	Lower	Upper
75	100		
53	93.1	69.8	104.8
89	48.7	39.5	59.3

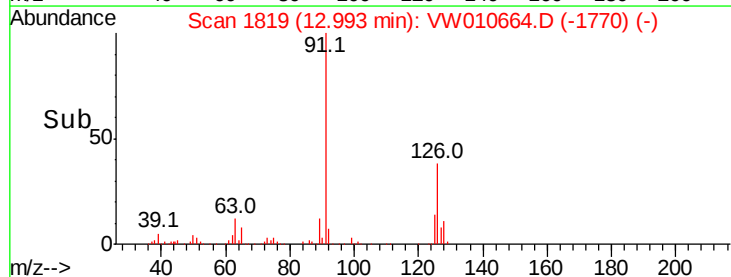
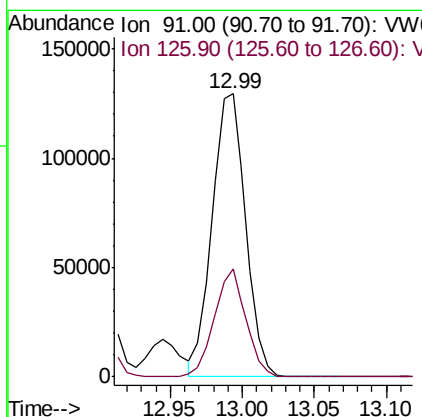
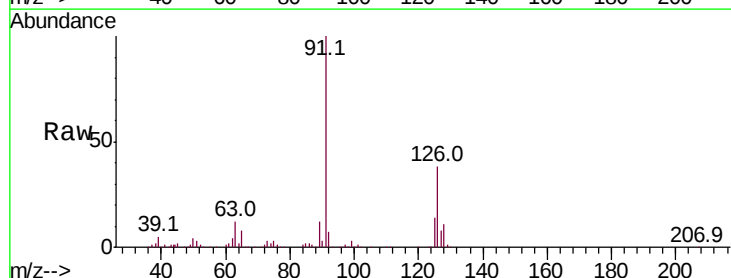
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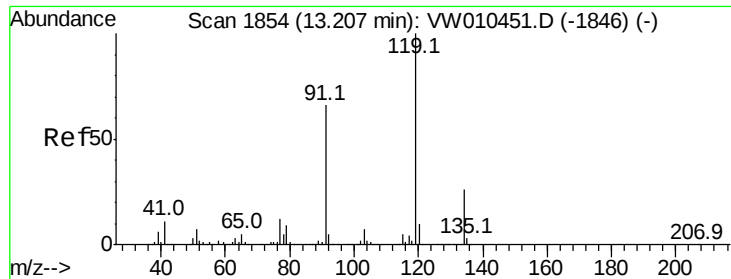
MMDadoda
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#82
4-Chlorotoluene
Concen: 50.087 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. -0.00 min
Lab File: VW010664.D
Acq: 03 Jun 2019 17:22

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.9	17.5	52.6





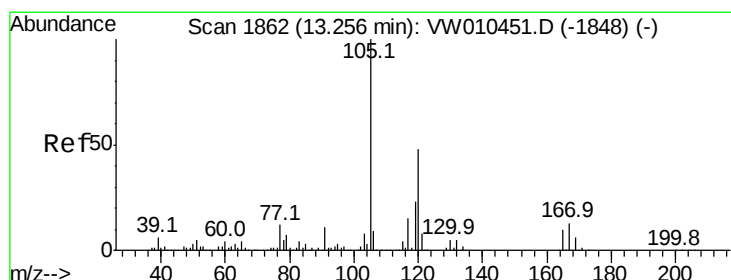
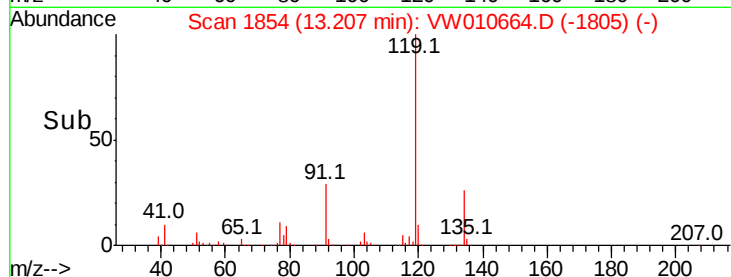
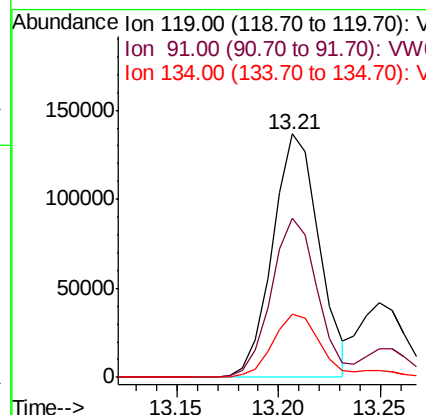
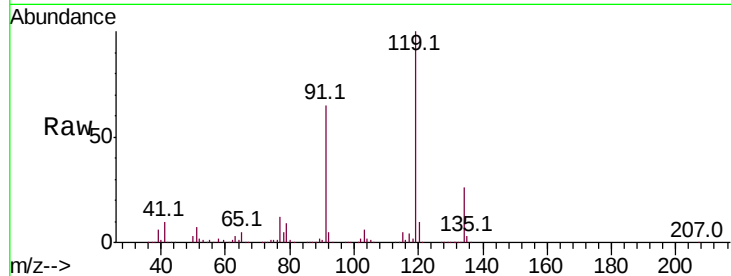
#83
 tert-Butylbenzene
 Concen: 49.198 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW010664.D
 Acq: 03 Jun 2019 17:22

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

Tot Ion	Ratio	Resp	Lower	Upper
119	100	217577		
91	65.4	33.1	99.5	
134	26.3	13.9	41.6	

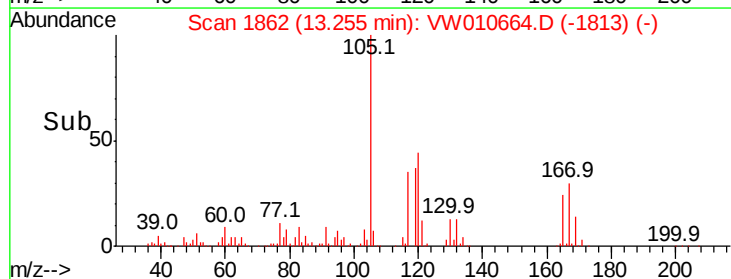
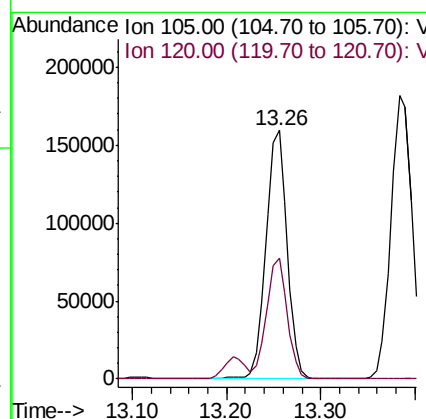
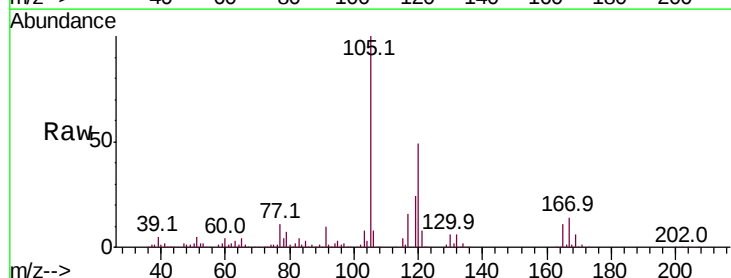
Manual Integrations
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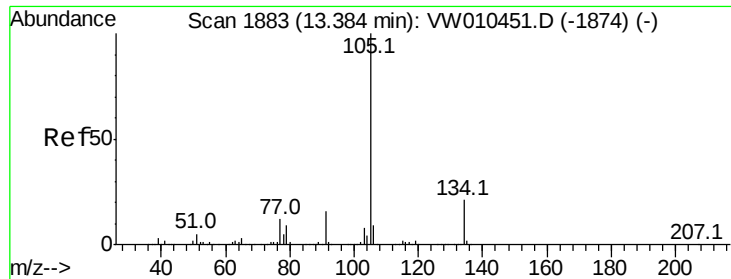
MMDadoda
 6/4/2019 12:13:01 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 50.037 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW010664.D
 Acq: 03 Jun 2019 17:22

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	252311		
120	47.6	23.4	70.2	





#85

sec-Butylbenzene

Concen: 46.125 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW010664.D

Acq: 03 Jun 2019 17:22

Instrument :

MSVOA_W

ClientSampleId :

FESB-23(3-3.5)MS

Tot Ion:105 Resp: 285464

Ion Ratio Lower Upper

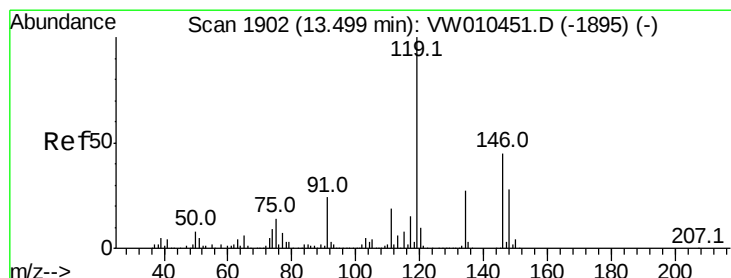
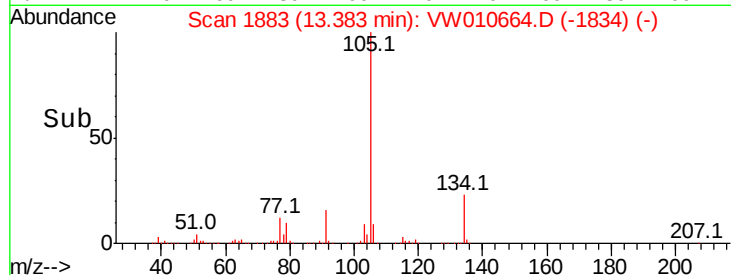
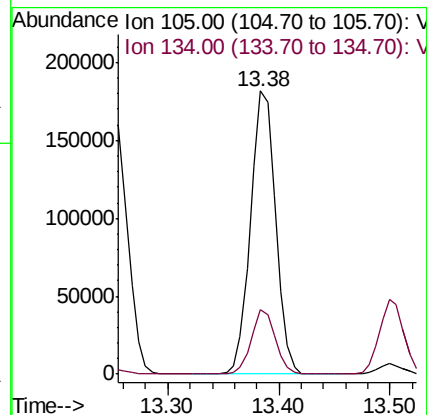
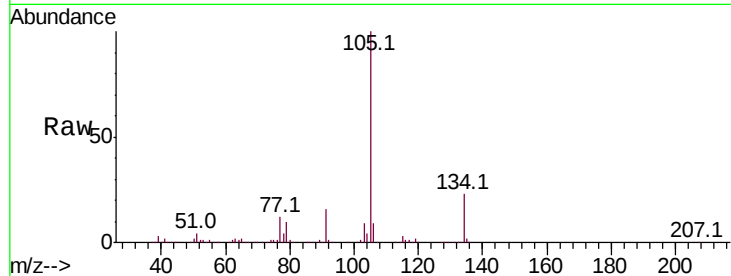
105 100

134 21.7 10.5 31.6

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 46.735 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW010664.D

Acq: 03 Jun 2019 17:22

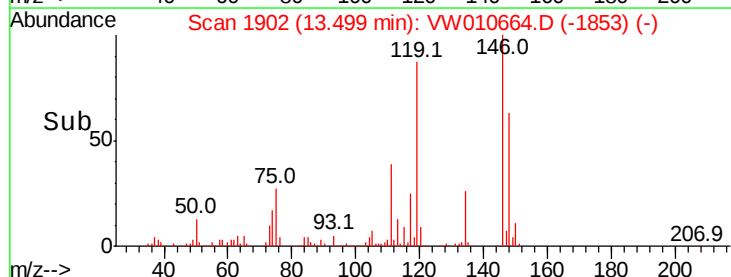
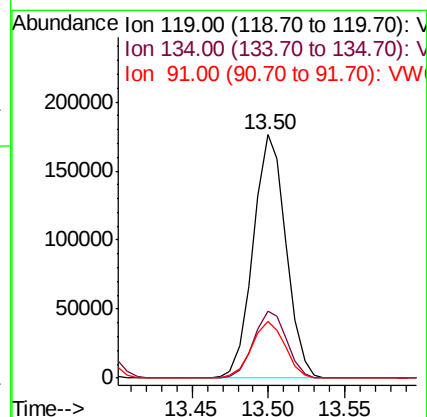
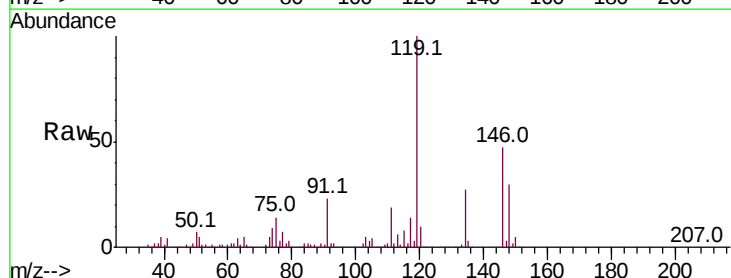
Tgt Ion:119 Resp: 261802

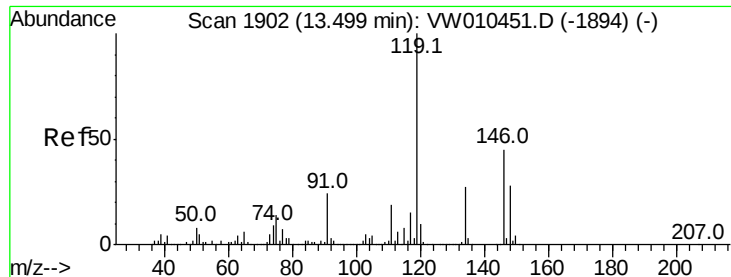
Ion Ratio Lower Upper

119 100

134 27.9 13.6 40.7

91 23.5 11.9 35.7





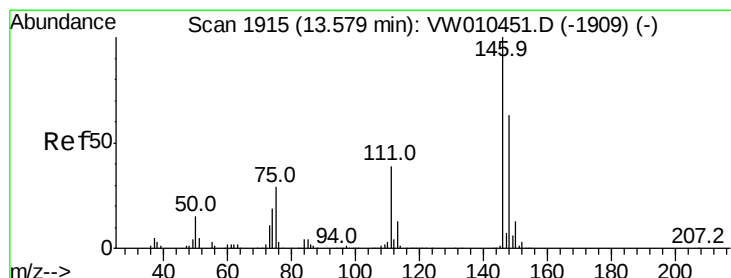
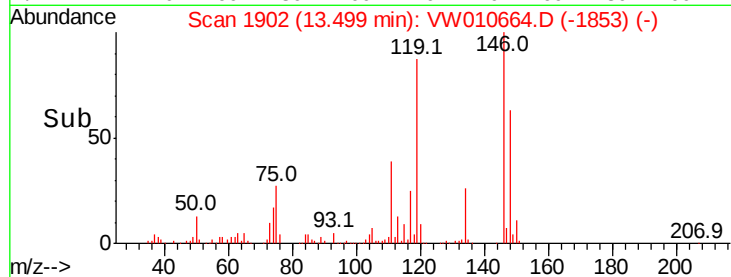
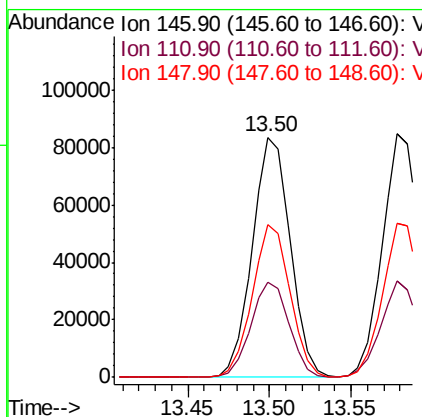
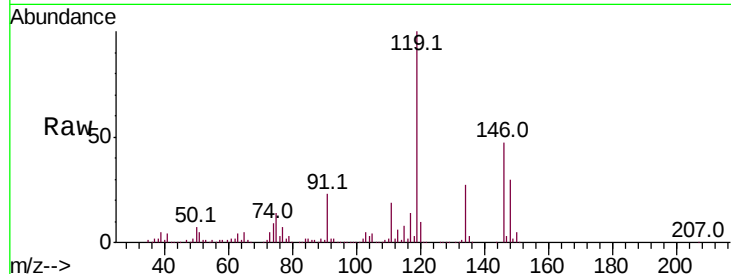
#87
 1,3-Dichlorobenzene
 Concen: 51.531 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW010664.D
 Acq: 03 Jun 2019 17:22

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

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.3	60.9
148	63.1	31.6	94.8

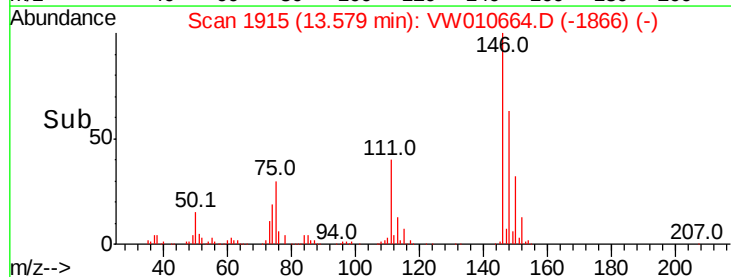
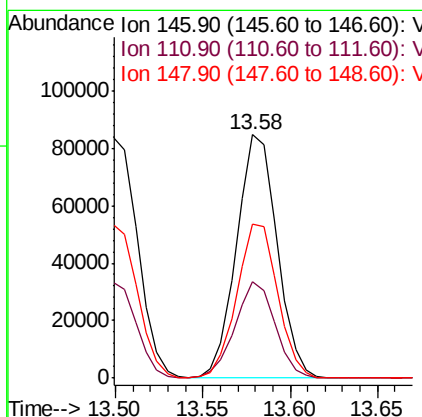
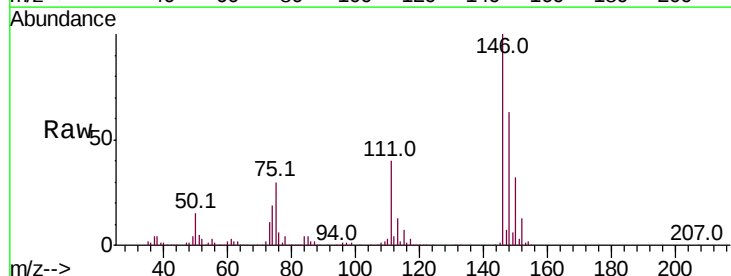
Manual Integrations
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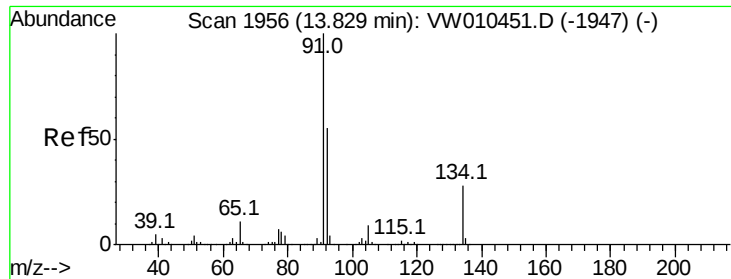
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#88
 1,4-Dichlorobenzene
 Concen: 51.772 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW010664.D
 Acq: 03 Jun 2019 17:22

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.9	59.6
148	64.0	31.6	94.8





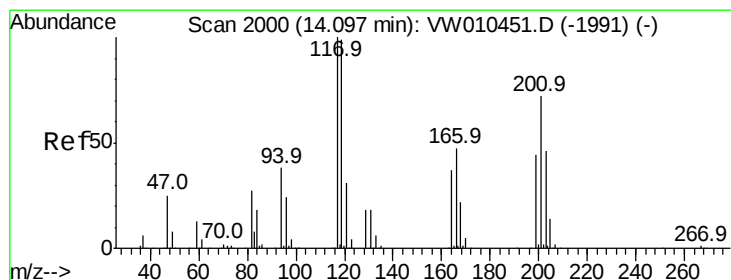
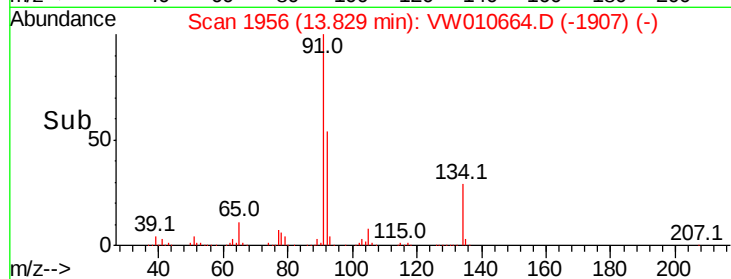
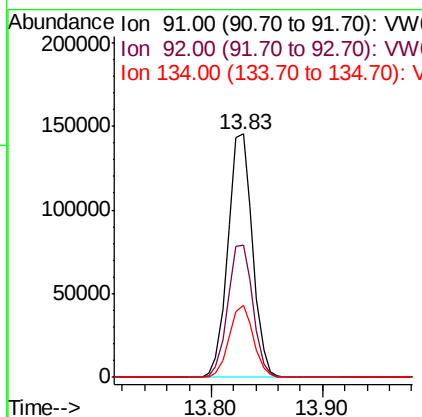
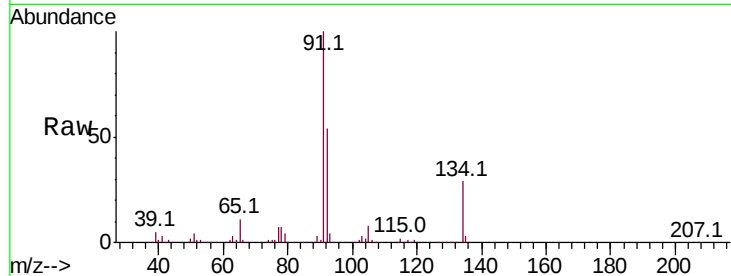
#89
n-Butylbenzene
Concen: 41.521 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW010664.D
Acq: 03 Jun 2019 17:22

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

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	55.6	27.7	83.1	
134	29.2	13.9	41.6	

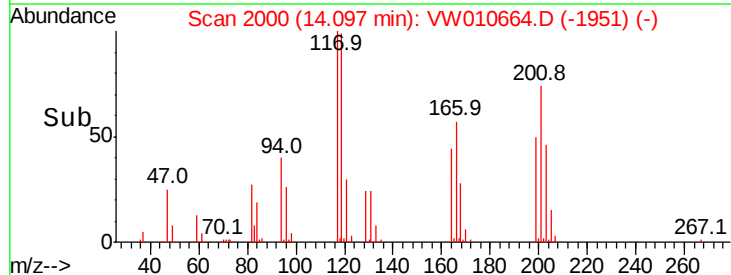
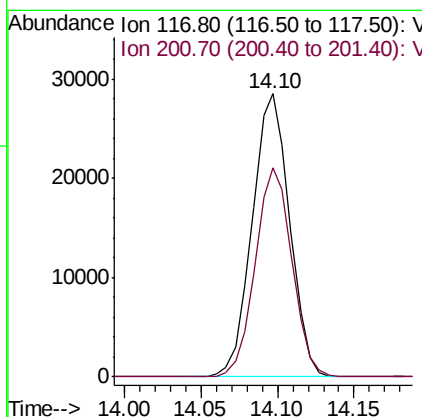
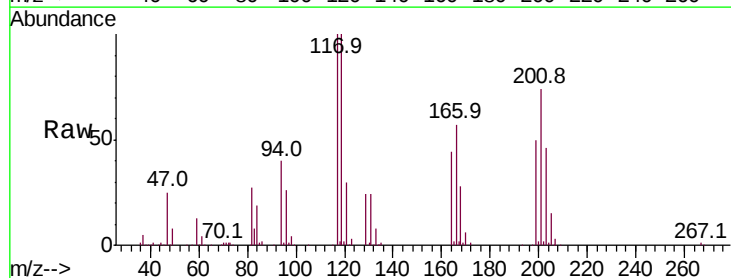
Manual Integrations
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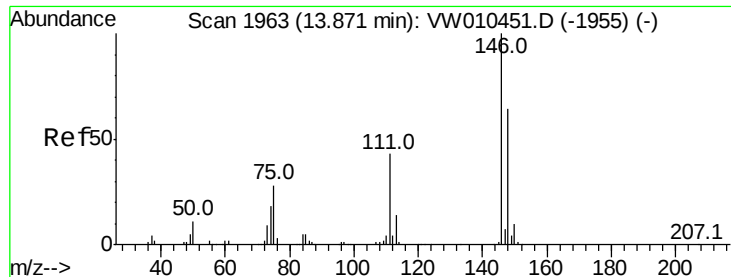
MMDadoda
6/4/2019 12:13:01 PM



#90
Hexachloroethane
Concen: 44.568 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW010664.D
Acq: 03 Jun 2019 17:22

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	72.5	34.6	103.8	





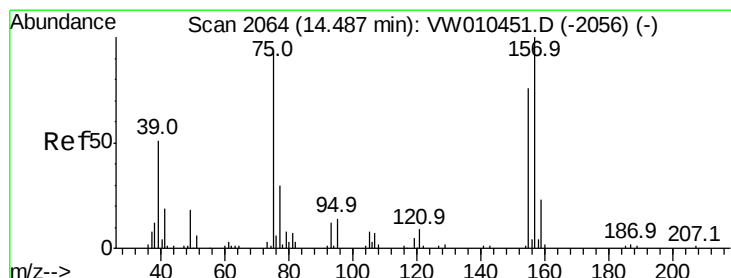
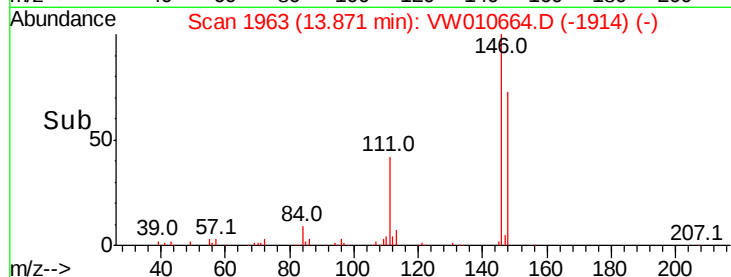
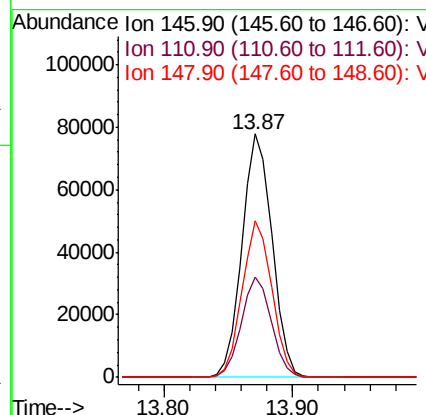
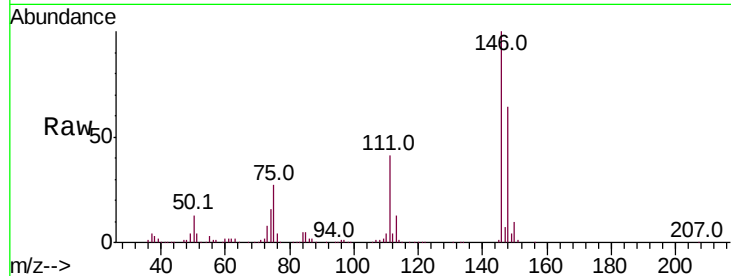
#91
 1,2-Dichlorobenzene
 Concen: 52.505 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW010664.D
 Acq: 03 Jun 2019 17:22

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

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.1	21.3	64.0
148	63.7	32.0	96.0

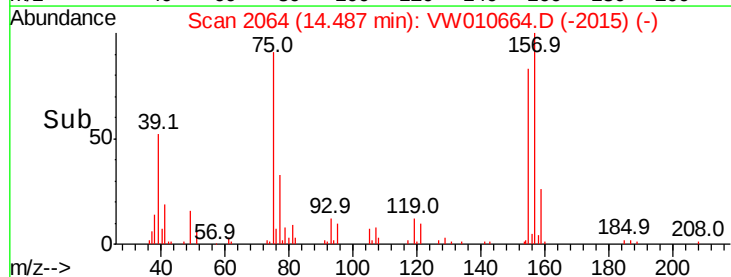
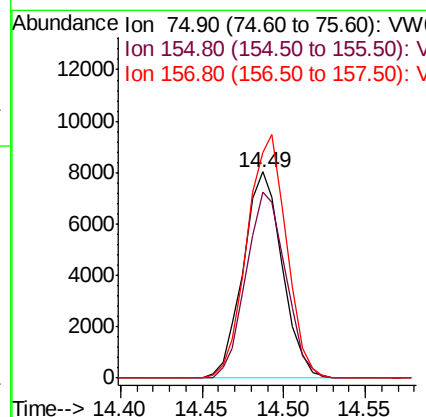
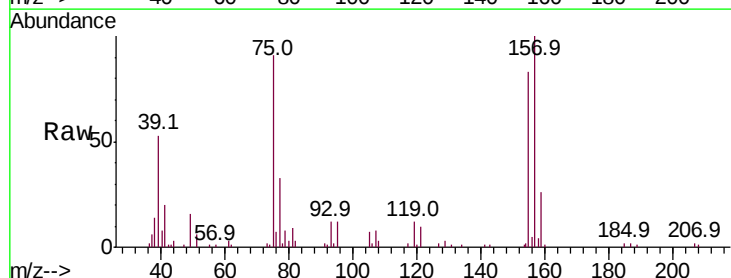
Manual Integrations
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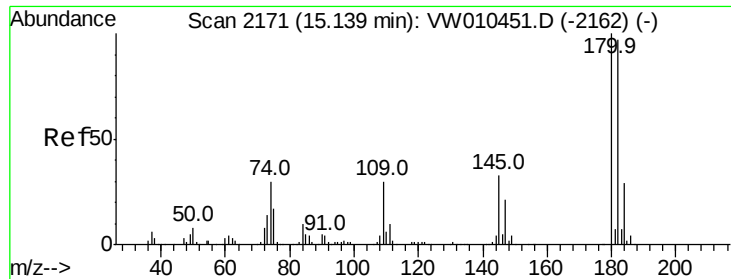
MMDadoda
 6/4/2019 12:13:01 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 66.250 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW010664.D
 Acq: 03 Jun 2019 17:22

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.3	43.0	129.0
157	118.7	55.7	167.1





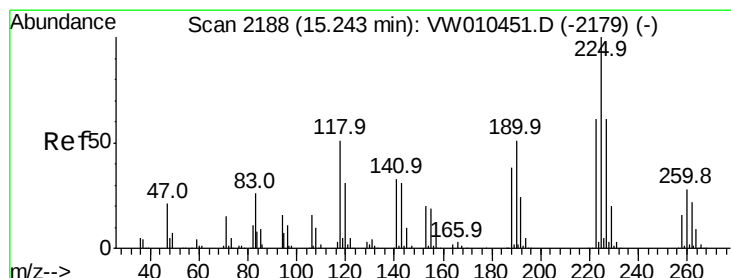
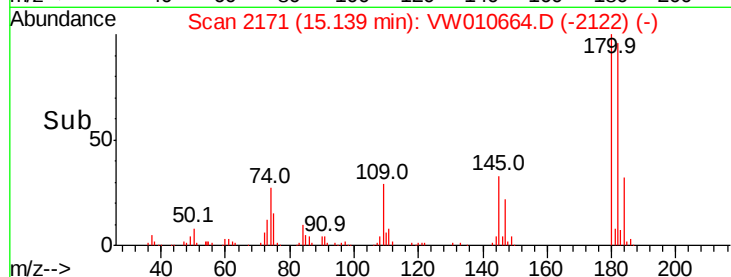
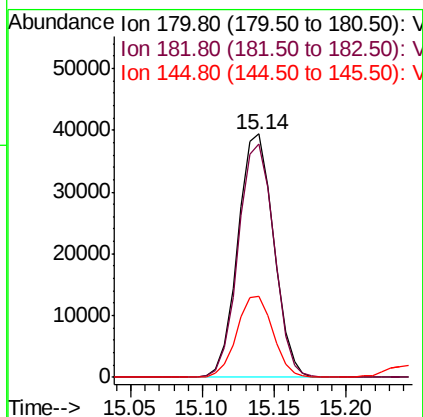
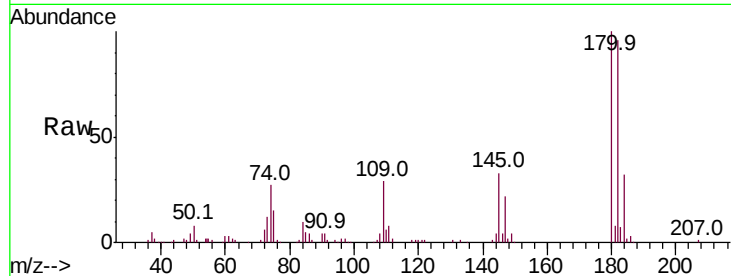
#93
1,2,4-Trichlorobenzene
Concen: 41.754 ug/l
RT: 15.14 min Scan# 2171
Delta R.T. -0.00 min
Lab File: VW010664.D
Acq: 03 Jun 2019 17:22

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

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.0	141.2
145	33.7	16.7	50.0

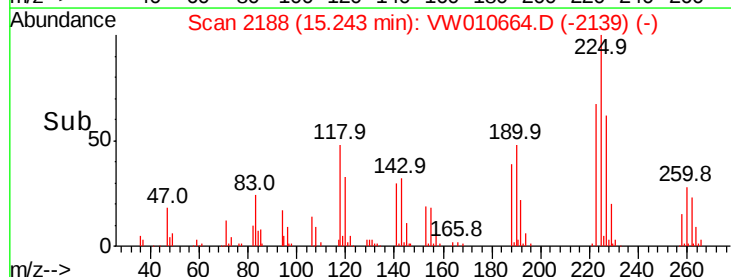
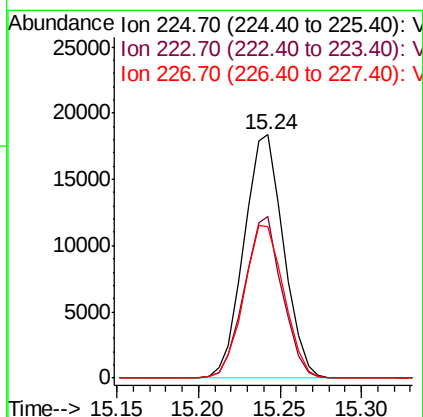
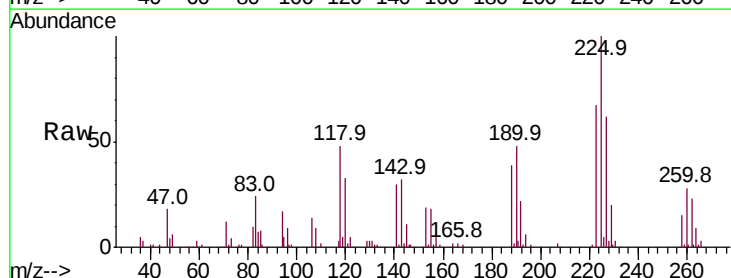
Manual Integrations
APPROVED

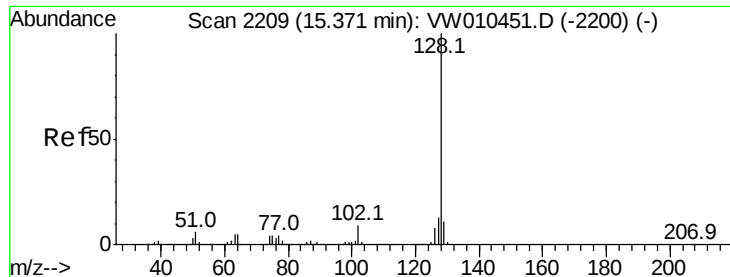
MMDadoda
6/4/2019 12:13:01 PM



#94
Hexachlorobutadiene
Concen: 35.568 ug/l
RT: 15.24 min Scan# 2188
Delta R.T. -0.00 min
Lab File: VW010664.D
Acq: 03 Jun 2019 17:22

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.6	31.1	93.2
227	63.9	31.1	93.5





#95

Naphthalene

Concen: 52.528 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW010664.D

Acq: 03 Jun 2019 17:22

Instrument :

MSVOA_W

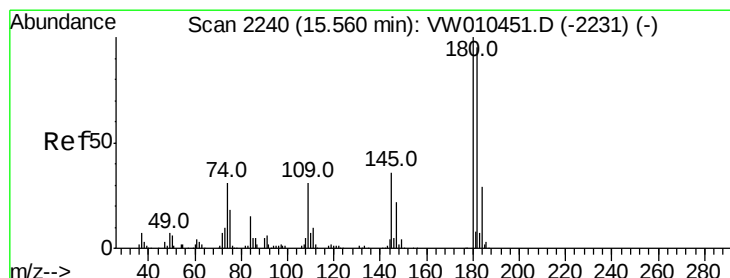
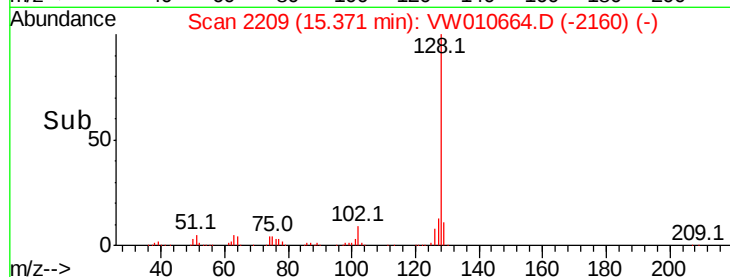
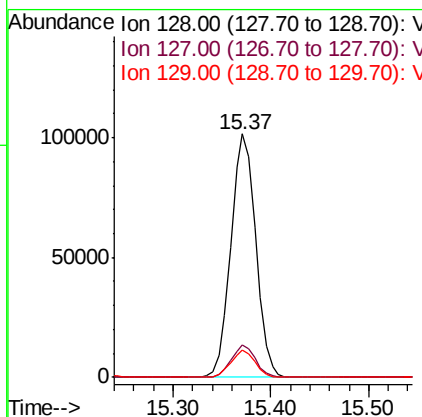
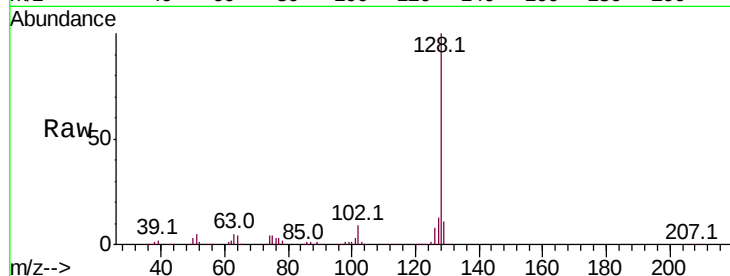
ClientSampleId :

FESB-23(3-3.5)MS

Tot Ion:	128	Resp:	179407
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.6	15.8
129	10.8	8.9	13.3

Manual Integrations
APPROVED

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6/4/2019 12:13:01 PM



#96

1,2,3-Trichlorobenzene

Concen: 40.927 ug/l

RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW010664.D

Acq: 03 Jun 2019 17:22

Tgt Ion:	180	Resp:	57299
Ion Ratio	Lower	Upper	
180	100		
182	96.7	47.1	141.3
145	35.1	17.4	52.3

