

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052819\
 Data File : VW010567.D
 Acq On : 28 May 2019 15:11
 Operator : SY/VA
 Sample : K3066-04MSD
 Misc : 5.86G/5ML/MSVOA W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 FESB-27(3.5-4)MSD

Manual Integrations
 APPROVED

MMDadoda
 5/29/2019 11:05:46 AM

Quant Time: May 29 07:31:14 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	134768	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	225551	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	200472	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	100704	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	67986	48.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.74%	
35) Dibromofluoromethane	7.88	113	73382	53.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.24%	
50) Toluene-d8	10.32	98	278617	53.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.58%	
62) 4-Bromofluorobenzene	12.62	95	106642	51.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	56208	46.797	ug/l	97
3) Chloromethane	2.21	50	63043	44.523	ug/l	99
4) Vinyl Chloride	2.35	62	70624	43.059	ug/l	99
5) Bromomethane	2.75	94	49913	44.236	ug/l	95
6) Chloroethane	2.91	64	49621	47.129	ug/l	98
7) Trichlorofluoromethane	3.25	101	121750	50.279	ug/l	100
8) Diethyl Ether	3.68	74	38610	50.300	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	73269	49.133	ug/l	95
10) Methyl Iodide	4.27	142	85940	50.420	ug/l	96
11) Tert butyl alcohol	5.17	59	30574	244.353	ug/l	97
12) 1,1-Dichloroethene	4.03	96	72286	50.780	ug/l	97
13) Acrolein	3.90	56	17580	240.257	ug/l	98
14) Allyl chloride	4.67	41	99298	48.191	ug/l	99
15) Acrylonitrile	5.37	53	73090	227.365	ug/l	99
16) Acetone	4.12	43	59314	208.895	ug/l	96
17) Carbon Disulfide	4.37	76	201766	47.520	ug/l	99
18) Methyl Acetate	4.67	43	38721	55.759	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	179763	49.536	ug/l	98
20) Methylene Chloride	4.92	84	82046	49.161	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	82034	50.241	ug/l	97
22) Diisopropyl ether	6.31	45	208395	49.324	ug/l	98
23) Vinyl Acetate	6.26	43	548390	217.289	ug/l	99
24) 1,1-Dichloroethane	6.22	63	128890	51.120	ug/l	99
25) 2-Butanone	7.16	43	90123	221.789	ug/l	99
26) 2,2-Dichloropropane	7.16	77	118216	49.222	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	92668	52.203	ug/l	98
28) Bromochloromethane	7.51	49	48952	54.227	ug/l	90
29) Tetrahydrofuran	7.52	42	62413	226.985	ug/l	99
30) Chloroform	7.68	83	140400	51.626	ug/l	99
31) Cyclohexane	7.95	56	118624	44.915	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	131576	50.619	ug/l	98
36) 1,1-Dichloropropene	8.09	75	108222	51.507	ug/l	99
37) Ethyl Acetate	7.25	43	42911	48.026	ug/l	100
38) Carbon Tetrachloride	8.07	117	119613	52.773	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	140213	49.809	ug/l	99
40) Benzene	8.32	78	312846	53.570	ug/l	99
41) Methacrylonitrile	7.48	41	24080	45.358	ug/l	99
42) 1,2-Dichloroethane	8.40	62	86338	51.727	ug/l	99
43) Isopropyl Acetate	8.43	43	84744	47.476	ug/l	98
44) Trichloroethene	9.09	130	95624	55.154	ug/l	95
45) 1,2-Dichloropropane	9.37	63	73544	53.025	ug/l	98
46) Dibromomethane	9.46	93	41792	51.523	ug/l	94
47) Bromodichloromethane	9.65	83	108726	53.340	ug/l	99
48) Methyl methacrylate	9.43	41	41559	50.891	ug/l	95
49) 1,4-Dioxane	9.44	88	13295	1003.370	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	215530	238.285	ug/l	99
52) Toluene	10.39	92	211563	53.943	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	106777	51.723	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	124418	52.772	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	61623	52.831	ug/l	98
56) Ethyl methacrylate	10.65	69	78590	48.854	ug/l	99
57) 1,3-Dichloropropane	10.93	76	102648	52.537	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	181913	255.305	ug/l	97
59) 2-Hexanone	10.97	43	149648	231.931	ug/l	100
60) Dibromochloromethane	11.13	129	80339	54.422	ug/l	99
61) 1,2-Dibromoethane	11.24	107	61785	52.291	ug/l	100
64) Tetrachloroethene	10.86	164	76312	54.607	ug/l	95
65) Chlorobenzene	11.66	112	231736	54.239	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	84331	55.100	ug/l	100
67) Ethyl Benzene	11.73	91	391193	51.860	ug/l	98
68) m/p-Xylenes	11.84	106	312434	105.597	ug/l	99
69) o-Xylene	12.17	106	148546	52.991	ug/l	98
70) Styrene	12.18	104	254024	53.408	ug/l	99
71) Bromoform	12.35	173	45406	53.873	ug/l #	99
73) Isopropylbenzene	12.47	105	395616	49.507	ug/l	99
74) N-amyl acetate	12.27	43	79737	43.543	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	68889	47.395	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	48517m	47.463	ug/l	
77) Bromobenzene	12.75	156	97078	54.285	ug/l	94
78) n-propylbenzene	12.80	91	453709	48.719	ug/l	99
79) 2-Chlorotoluene	12.90	91	267078	49.453	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	339827	50.210	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	21805	44.519	ug/l	98
82) 4-Chlorotoluene	12.99	91	278240	49.635	ug/l	99
83) tert-Butylbenzene	13.21	119	303000	51.252	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	335569	49.782	ug/l	99
85) sec-Butylbenzene	13.38	105	402915	48.700	ug/l	98
86) p-Isopropyltoluene	13.50	119	368987	49.274	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	181984	51.870	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	185263	52.629	ug/l	99
89) n-Butylbenzene	13.83	91	339881	47.717	ug/l	99
90) Hexachloroethane	14.10	117	74100	51.122	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	167737	52.470	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	11965	44.271	ug/l	91

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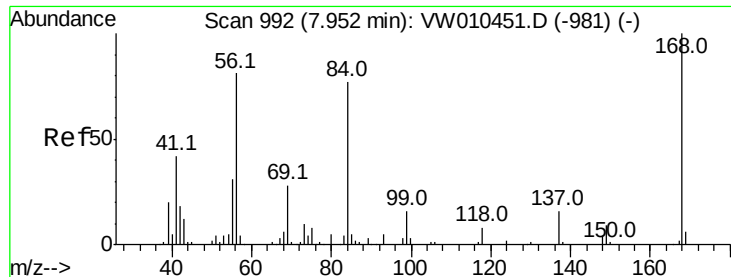
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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	116922	53.756	ug/l	99
94) Hexachlorobutadiene	15.24	225	64530	55.535	ug/l	100
95) Naphthalene	15.37	128	223648	48.984	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	100697	53.803	ug/l	100

(#) = 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

Lab File: VW010567.D

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Instrument :

MSVOA_W

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Tot Ion:168 Resp: 134768

Ion Ratio Lower Upper

168 100

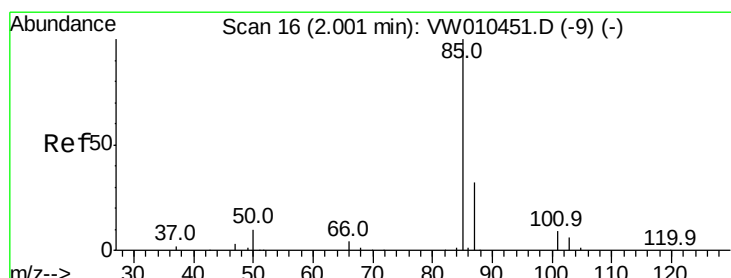
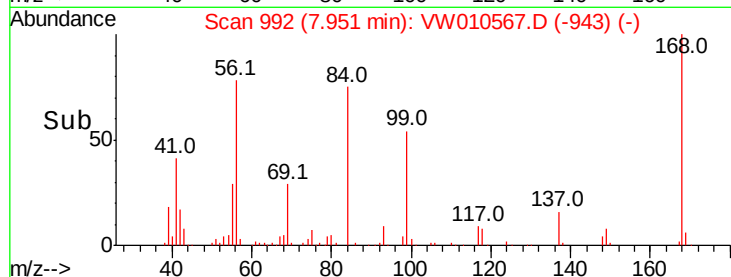
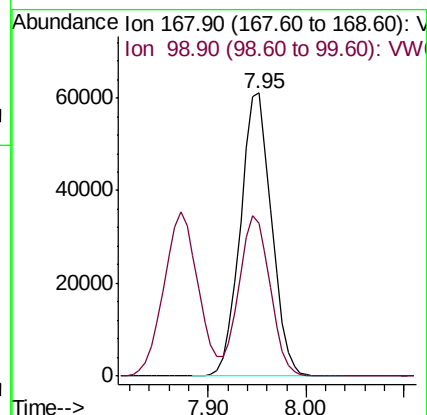
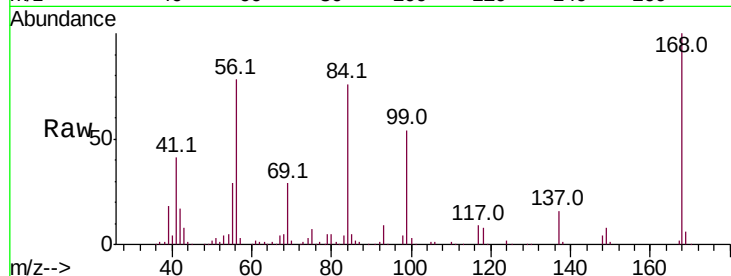
99 53.9 46.1 69.1

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#2

Dichlorodifluoromethane

Concen: 46.797 ug/l

RT: 2.00 min Scan# 15

Delta R.T. -0.01 min

Lab File: VW010567.D

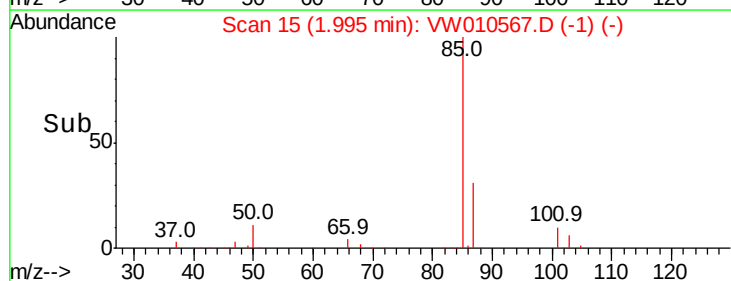
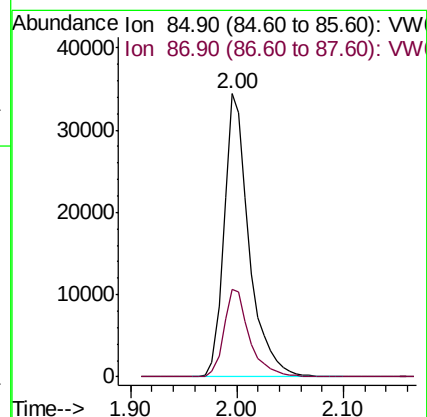
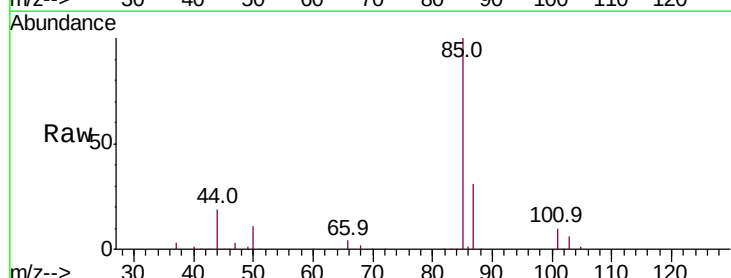
Acq: 28 May 2019 15:11

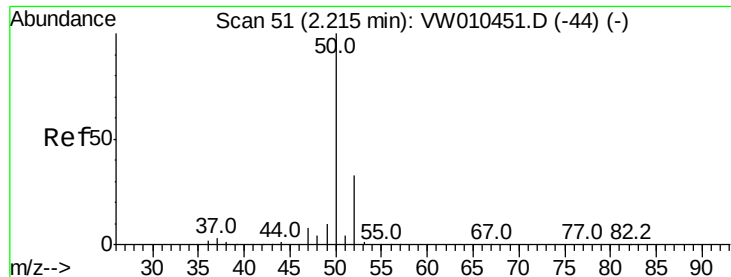
Tgt Ion: 85 Resp: 56208

Ion Ratio Lower Upper

85 100

87 31.0 16.3 48.8





#3

Chloromethane

Concen: 44.523 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW010567.D

Acq: 28 May 2019 15:11

Instrument :

MSVOA_W

ClientSampleId :

FESB-27(3.5-4)MSD

Tot Ion: 50 Resp: 63043

Ion Ratio Lower Upper

50 100

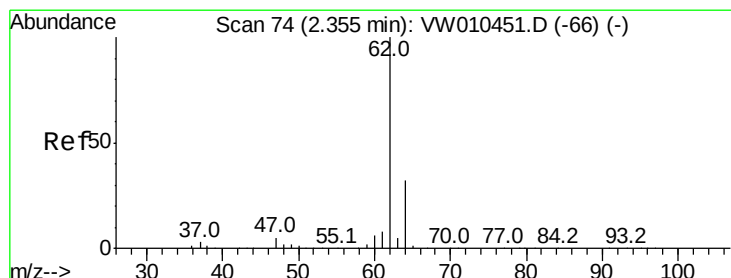
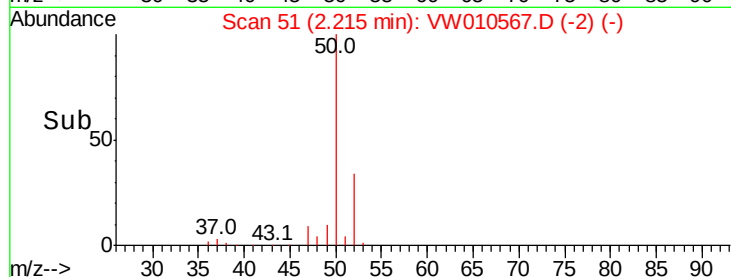
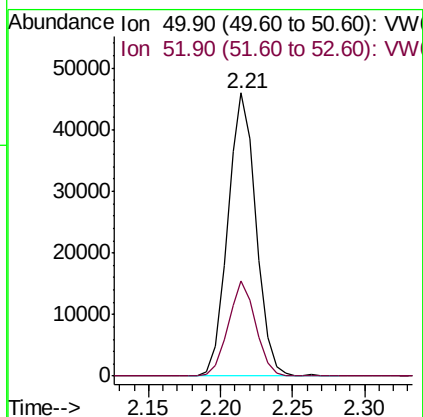
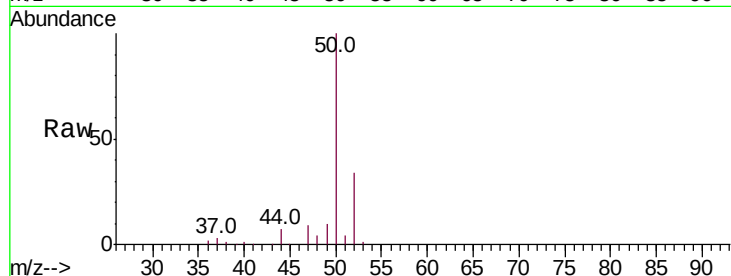
52 33.5 26.3 39.5

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#4

Vinyl Chloride

Concen: 43.059 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.00 min

Lab File: VW010567.D

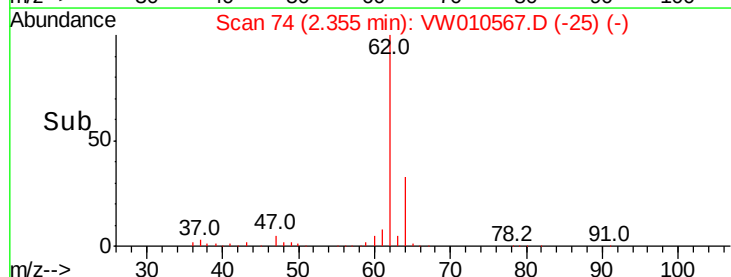
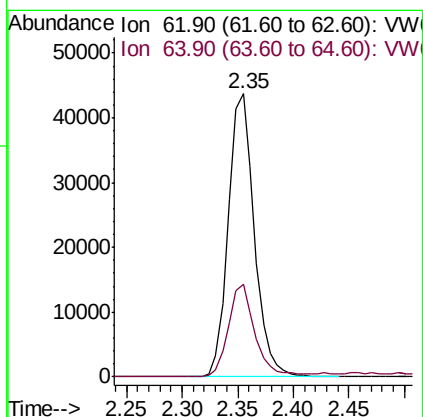
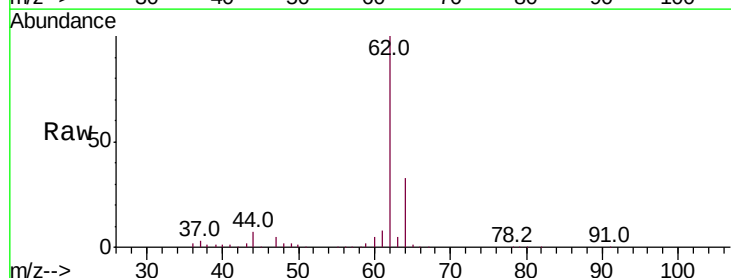
Acq: 28 May 2019 15:11

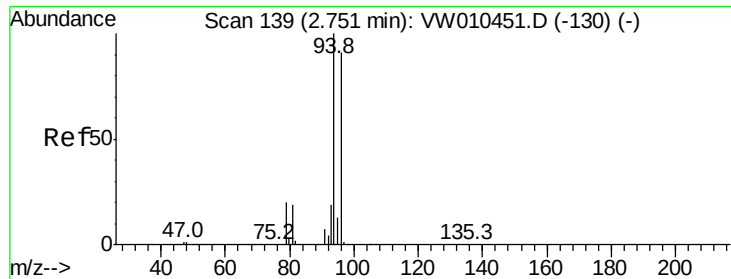
Tgt Ion: 62 Resp: 70624

Ion Ratio Lower Upper

62 100

64 32.8 25.8 38.8





#5

Bromomethane

Concen: 44.236 ug/l

RT: 2.75 min Scan# 139

Delta R.T. -0.00 min

Lab File: VW010567.D

Acq: 28 May 2019 15:11

Instrument :

MSVOA_W

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FESB-27(3.5-4)MSD

Tot Ion: 94 Resp: 49913

Ion Ratio Lower Upper

94 100

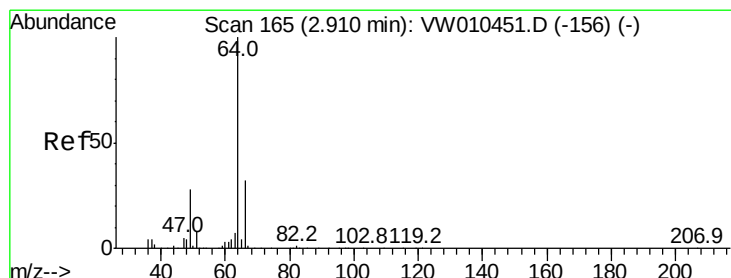
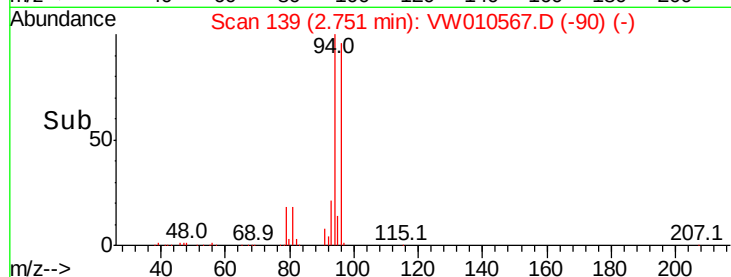
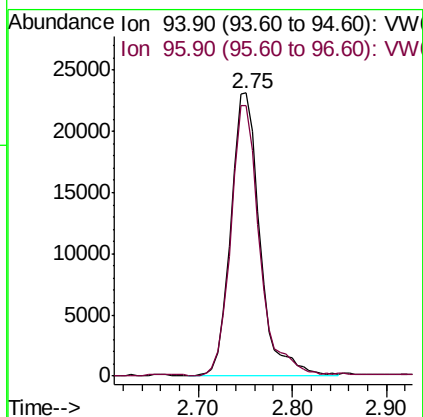
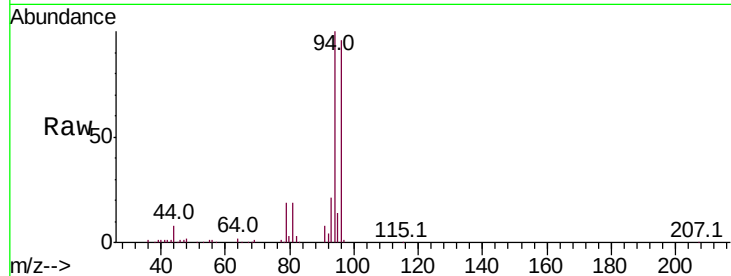
96 95.5 72.9 109.3

Manual Integrations

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#6

Chloroethane

Concen: 47.129 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.00 min

Lab File: VW010567.D

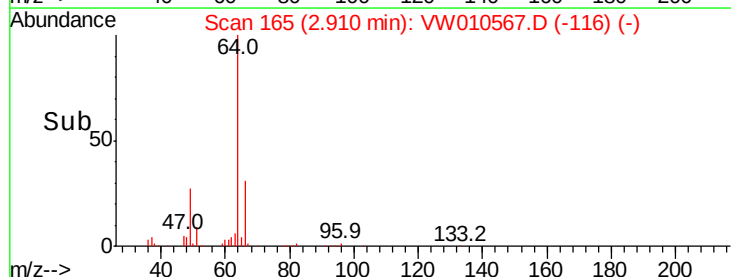
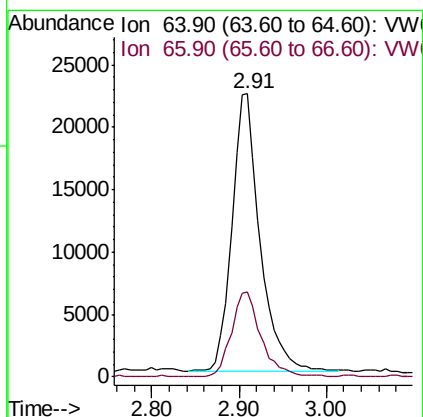
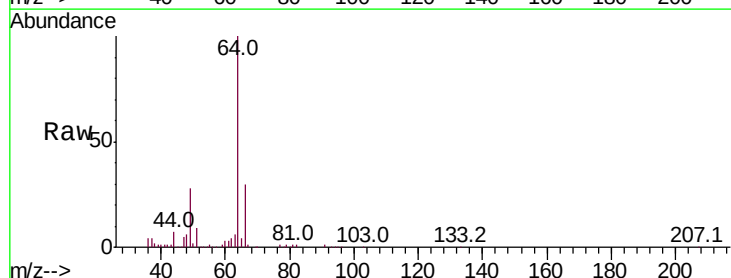
Acq: 28 May 2019 15:11

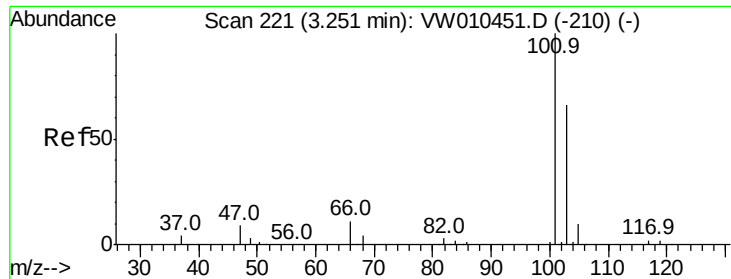
Tgt Ion: 64 Resp: 49621

Ion Ratio Lower Upper

64 100

66 30.6 25.5 38.3





#7

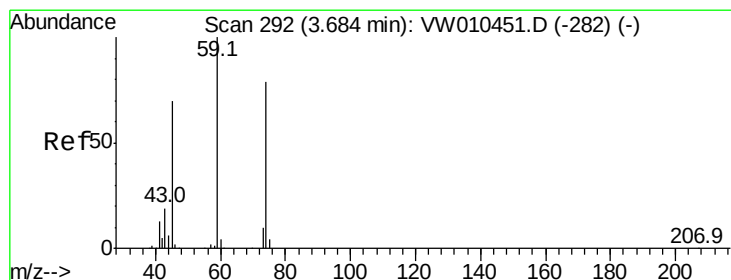
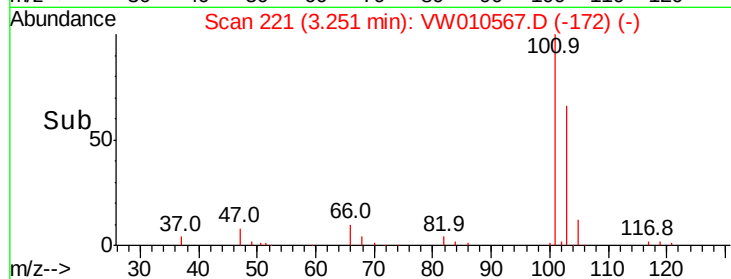
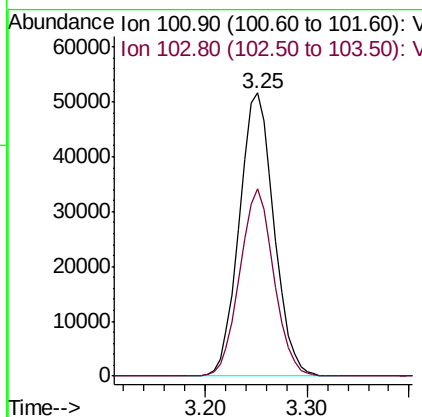
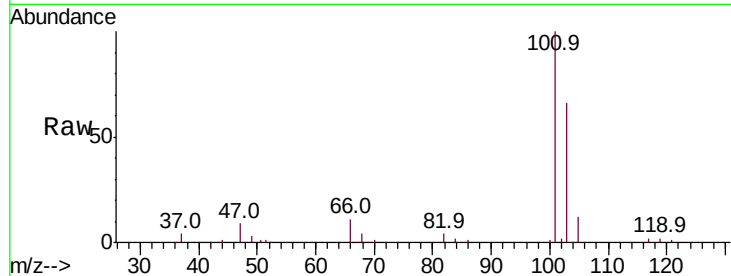
Trichlorofluoromethane
 Concen: 50.279 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.00 min
 Lab File: VW010567.D
 Acq: 28 May 2019 15:11

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 FESB-27(3.5-4)MSD

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.3	53.0	79.4

Manual Integrations
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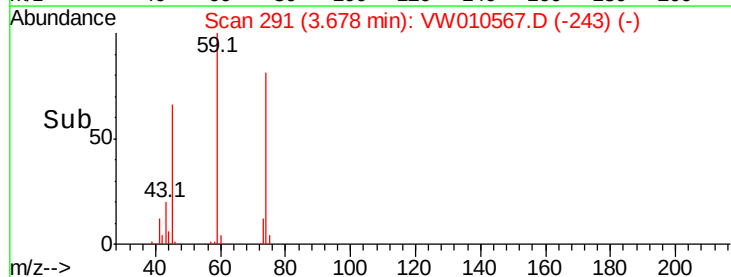
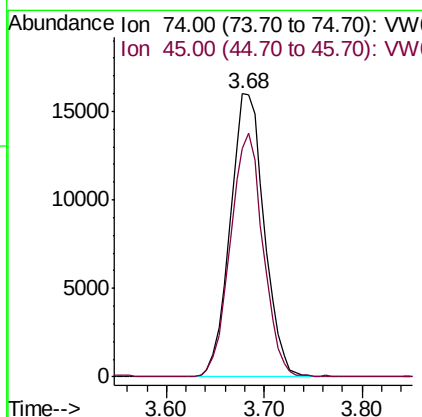
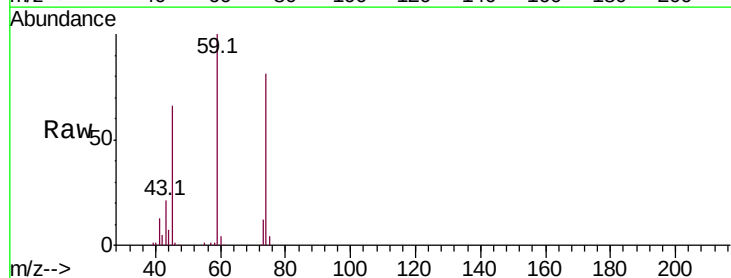
MMDadoda
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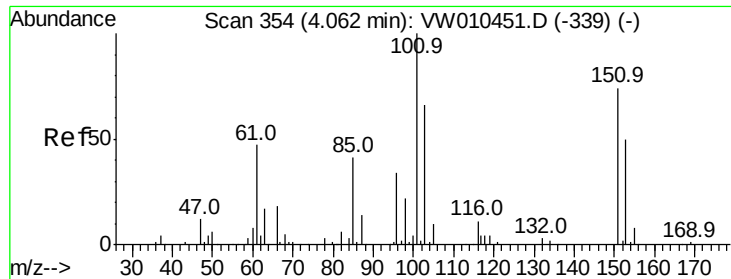


#8

Diethyl Ether
 Concen: 50.300 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.01 min
 Lab File: VW010567.D
 Acq: 28 May 2019 15:11

Tgt Ion	Ratio	Lower	Upper
74	100		
45	82.7	42.9	128.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.133 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW010567.D

Acq: 28 May 2019 15:11

Instrument :

MSVOA_W

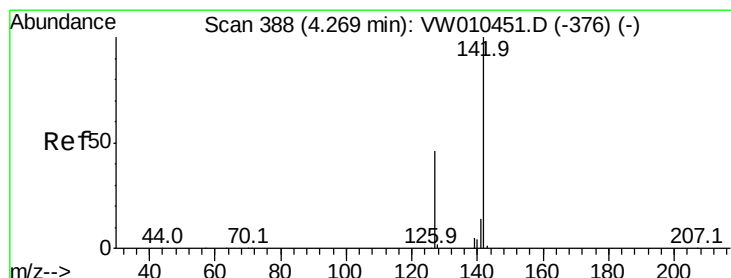
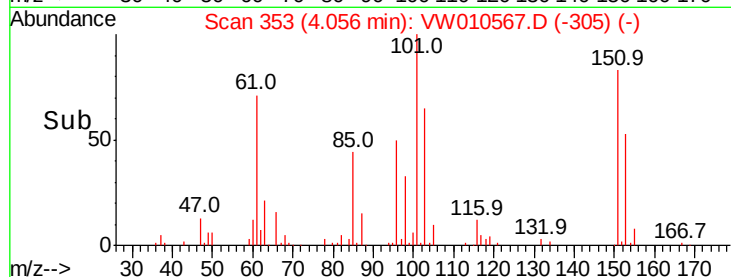
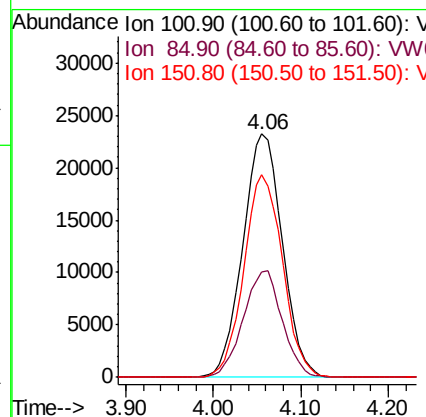
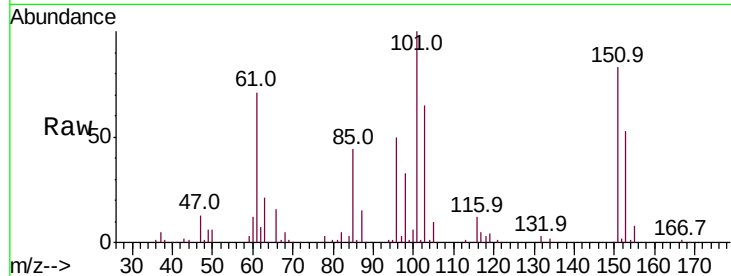
ClientSampleId :

FESB-27(3.5-4)MSD

Tot Ion:	101	Resp:	73269
Ion Ratio	Lower	Upper	
101	100		
85	43.1	34.3	51.5
151	81.5	60.3	90.5

Manual Integrations
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#10

Methyl Iodide

Concen: 50.420 ug/l

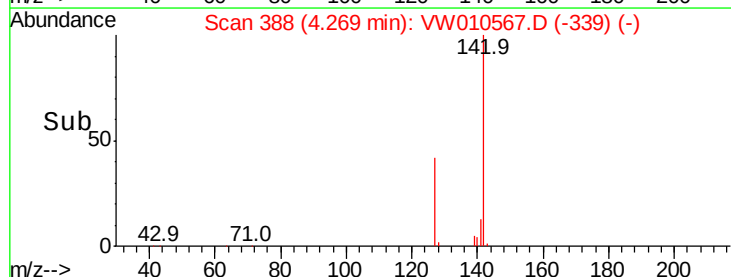
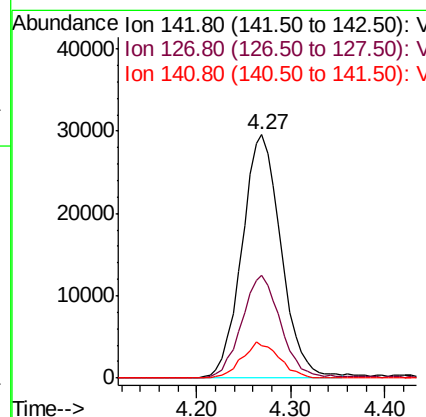
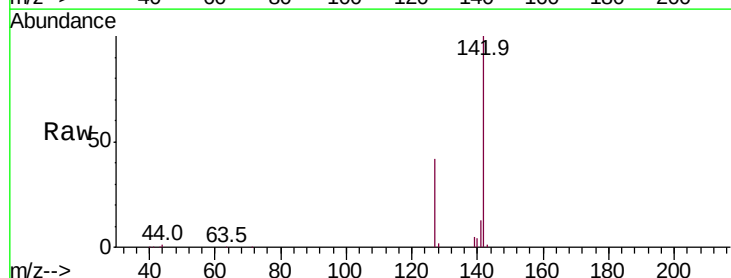
RT: 4.27 min Scan# 388

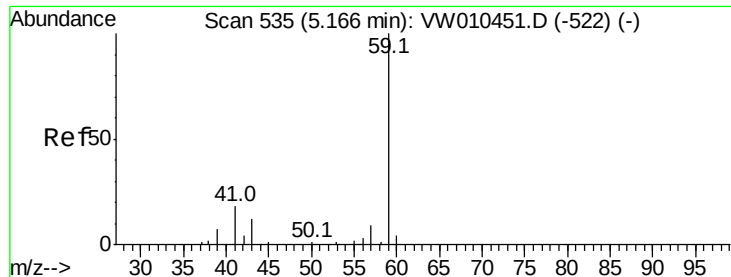
Delta R.T. -0.00 min

Lab File: VW010567.D

Acq: 28 May 2019 15:11

Tgt Ion:	142	Resp:	85940
Ion Ratio	Lower	Upper	
142	100		
127	42.1	36.1	54.1
141	14.3	11.3	16.9





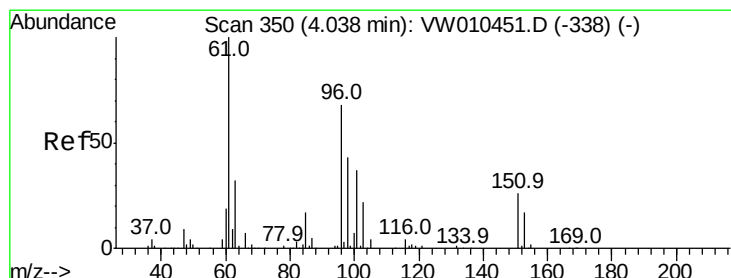
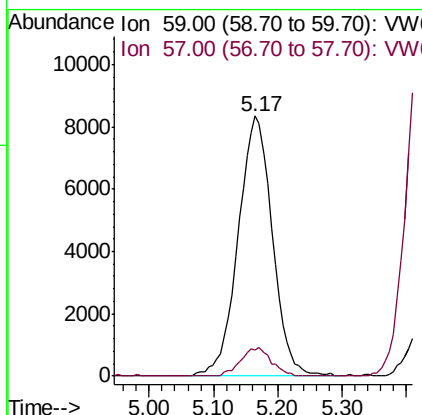
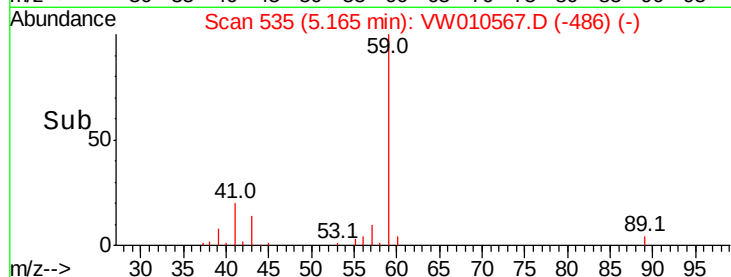
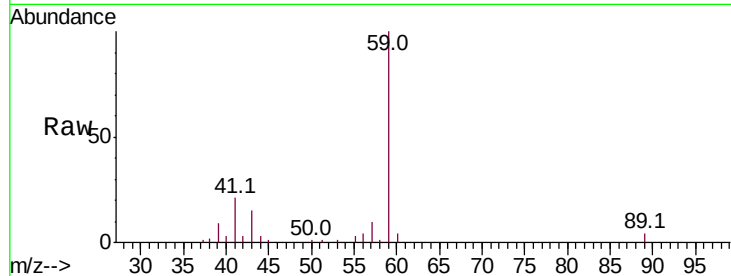
#11
Tert butyl alcohol
Concen: 244.353 ug/l
RT: 5.17 min Scan# 535
Delta R.T. -0.00 min
Lab File: VW010567.D
Acq: 28 May 2019 15:11

Instrument :
MSVOA_W
ClientSampleId :
FESB-27(3.5-4)MSD

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.8	8.8	13.2

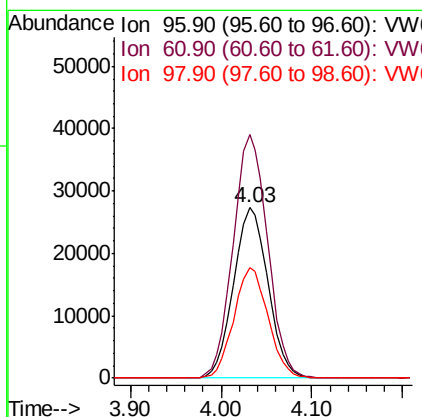
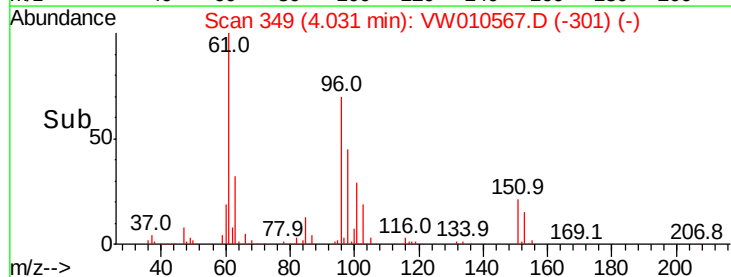
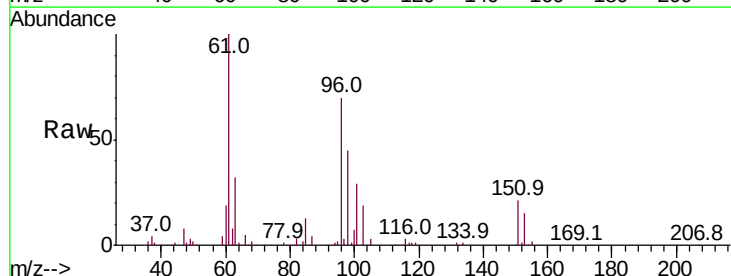
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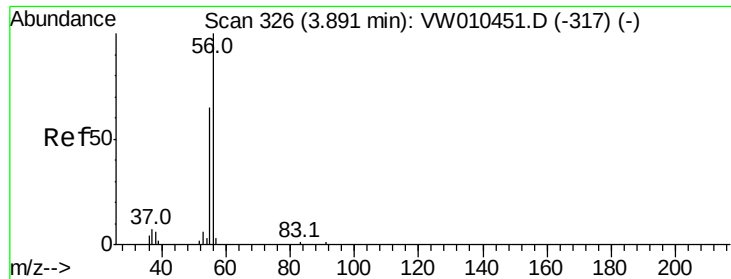
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#12
1,1-Dichloroethene
Concen: 50.780 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW010567.D
Acq: 28 May 2019 15:11

Tgt Ion	Ratio	Lower	Upper
96	100		
61	142.8	118.3	177.5
98	64.5	51.0	76.6





#13

Acrolein

Concen: 240.257 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW010567.D

Acq: 28 May 2019 15:11

Instrument :

MSVOA_W

ClientSampleId :

FESB-27(3.5-4)MSD

Tot Ion: 56 Resp: 17580

Ion Ratio Lower Upper

56 100

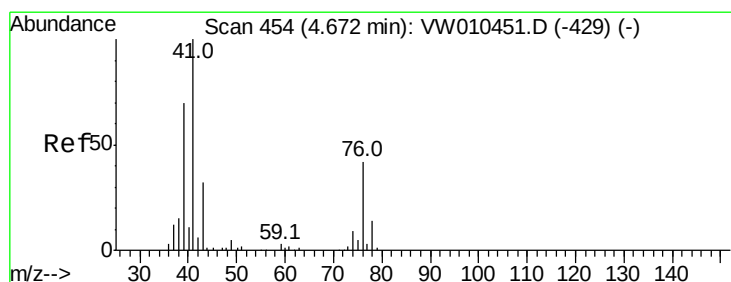
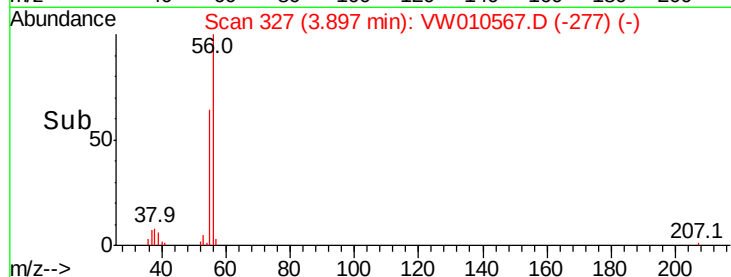
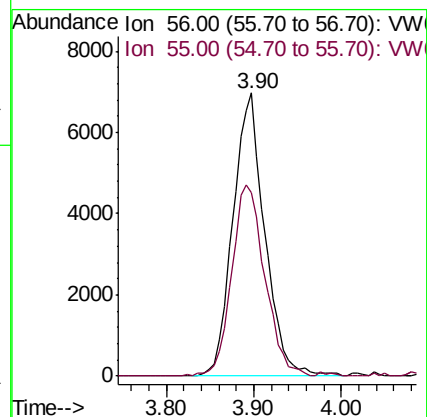
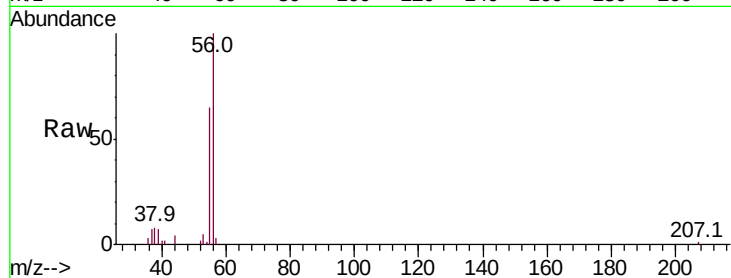
55 70.5 57.9 86.9

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#14

Allyl chloride

Concen: 48.191 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW010567.D

Acq: 28 May 2019 15:11

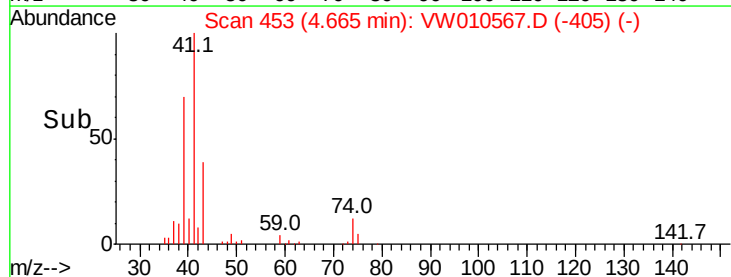
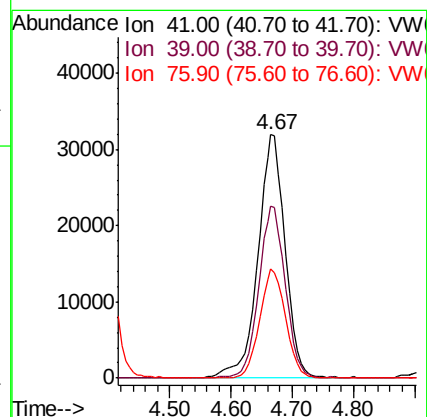
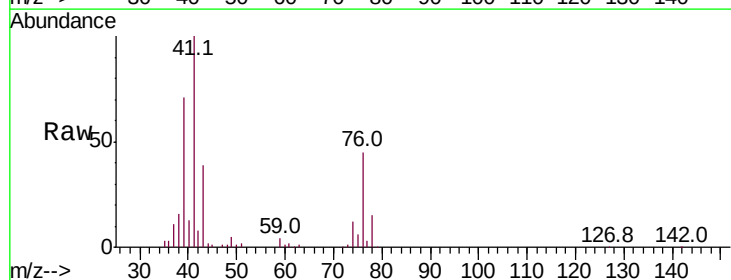
Tgt Ion: 41 Resp: 99298

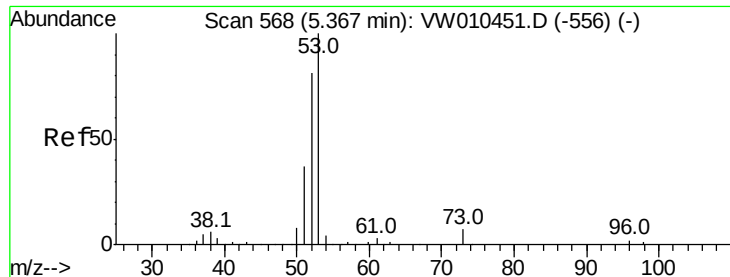
Ion Ratio Lower Upper

41 100

39 68.9 55.0 82.4

76 42.6 32.8 49.2





#15

Acrylonitrile

Concen: 227.365 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW010567.D

Acq: 28 May 2019 15:11

Instrument :

MSVOA_W

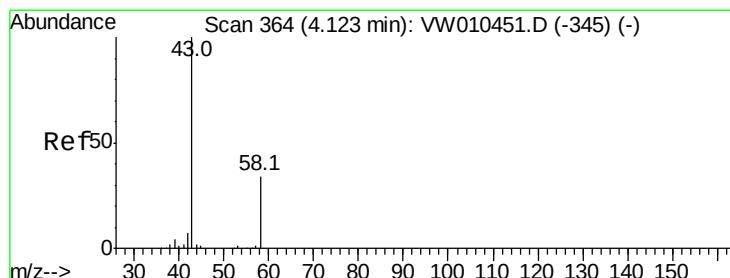
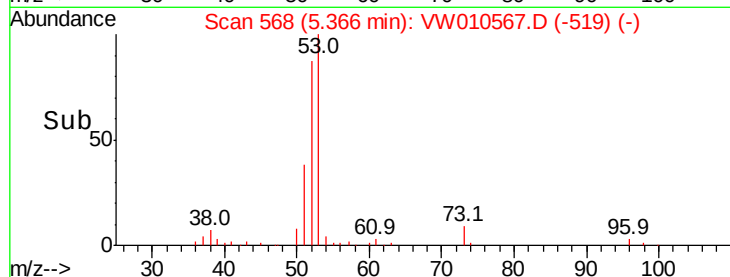
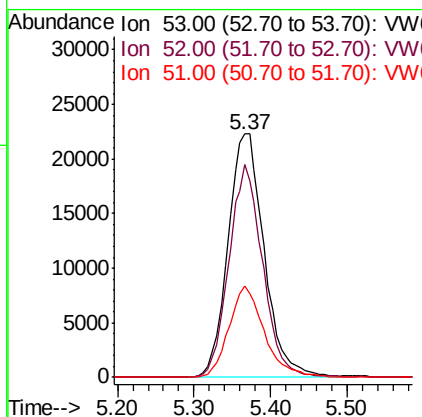
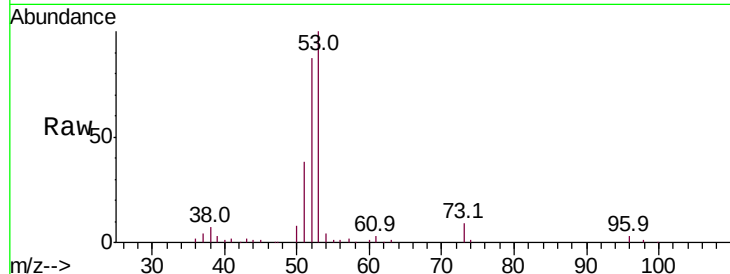
ClientSampleId :

FESB-27(3.5-4)MSD

Tot Ion:	53	Resp:	73090
Ion	Ratio	Lower	Upper
53	100		
52	81.2	65.6	98.4
51	36.6	29.5	44.3

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#16

Acetone

Concen: 208.895 ug/l

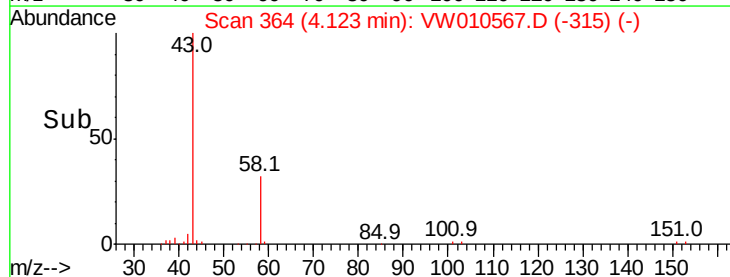
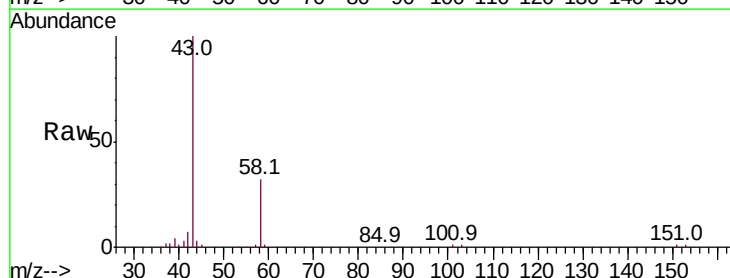
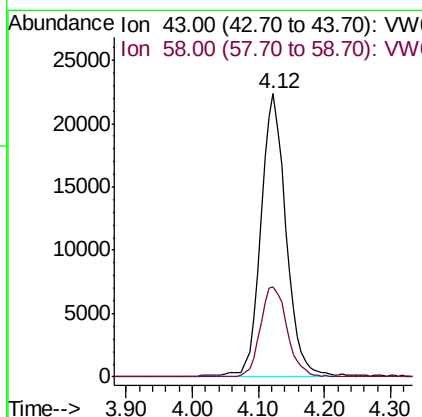
RT: 4.12 min Scan# 364

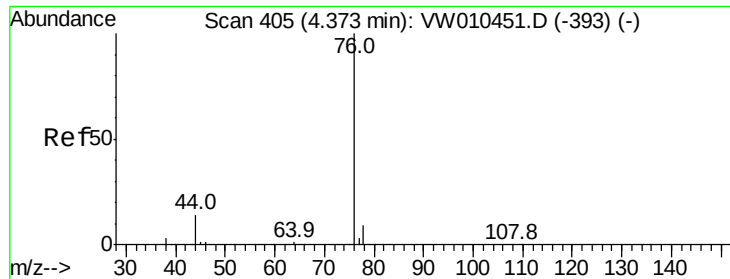
Delta R.T. -0.00 min

Lab File: VW010567.D

Acq: 28 May 2019 15:11

Tgt Ion:	43	Resp:	59314
Ion	Ratio	Lower	Upper
43	100		
58	31.7	27.0	40.4





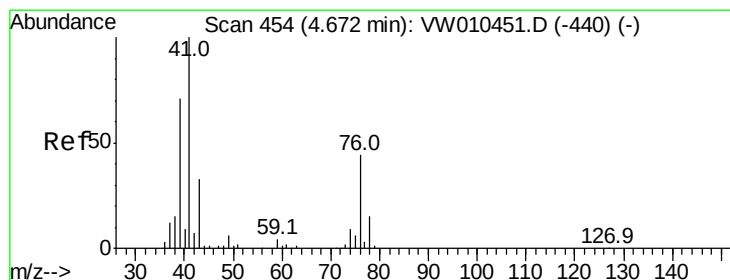
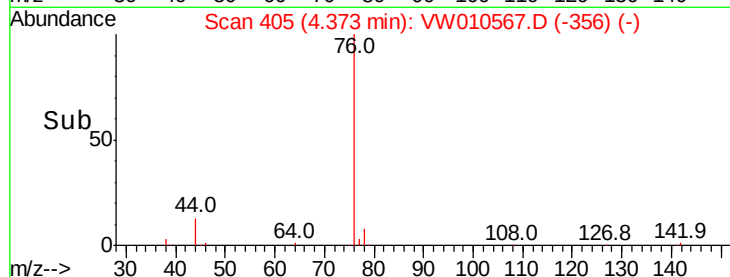
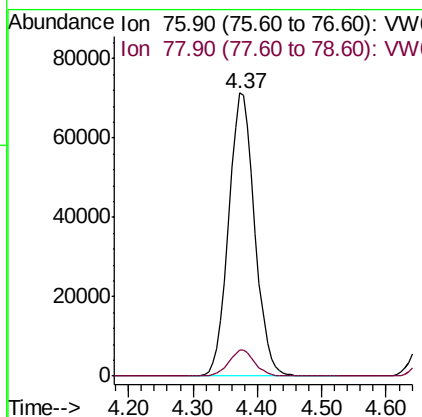
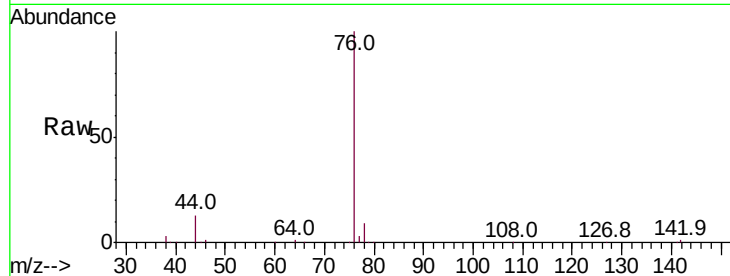
#17
Carbon Disulfide
Concen: 47.520 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.00 min
Lab File: VW010567.D
Acq: 28 May 2019 15:11

Instrument :
MSVOA_W
ClientSampleId :
FESB-27(3.5-4)MSD

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.1	10.7

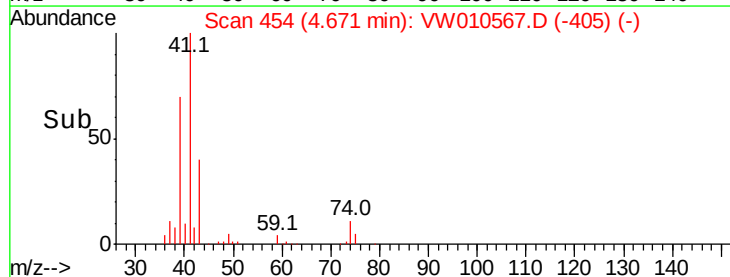
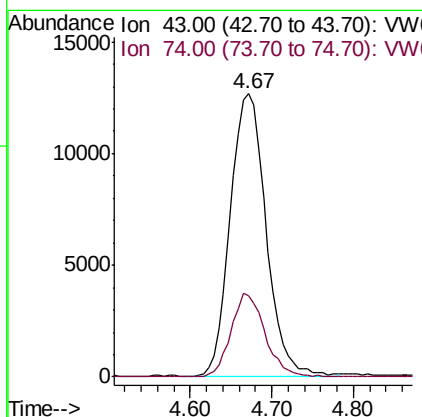
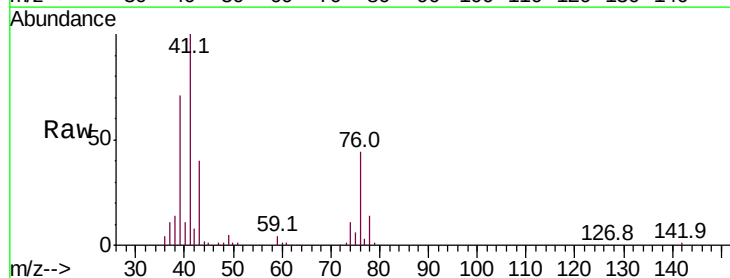
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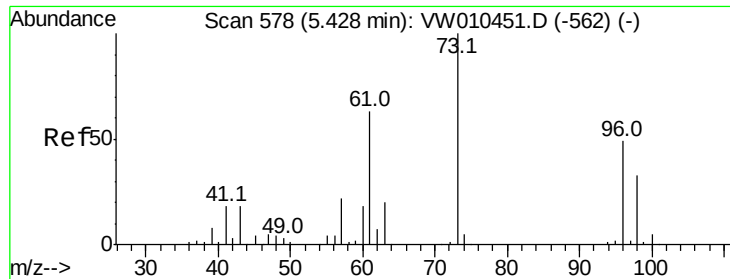
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#18
Methyl Acetate
Concen: 55.759 ug/l
RT: 4.67 min Scan# 454
Delta R.T. -0.00 min
Lab File: VW010567.D
Acq: 28 May 2019 15:11

Tgt Ion	Ratio	Lower	Upper
43	100		
74	27.6	21.6	32.4





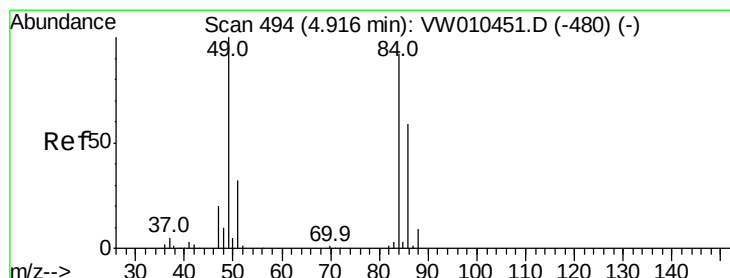
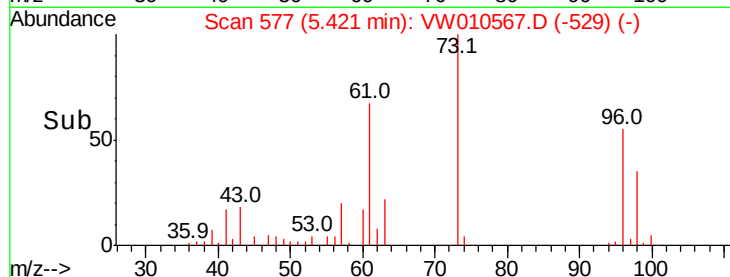
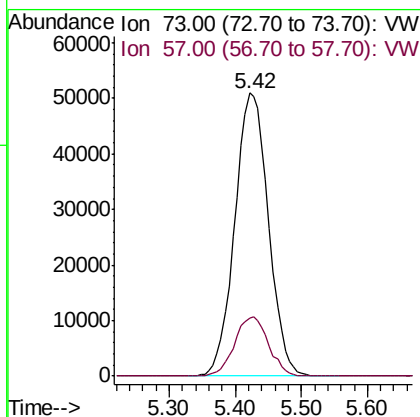
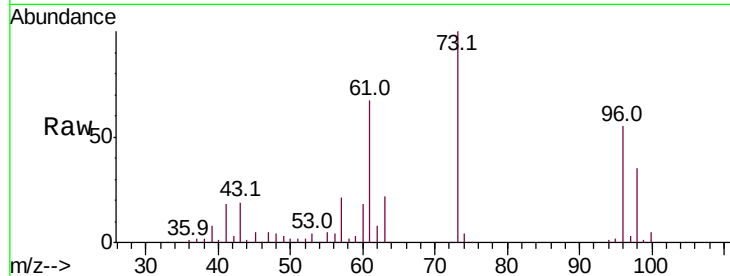
#19
Methyl tert-butyl Ether
Concen: 49.536 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW010567.D
Acq: 28 May 2019 15:11

Instrument :
MSVOA_W
ClientSampleId :
FESB-27(3.5-4)MSD

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.6	17.4	26.0

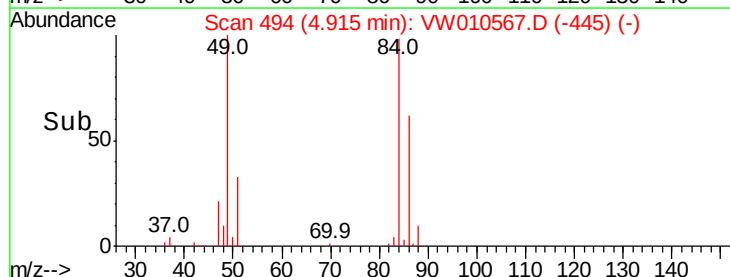
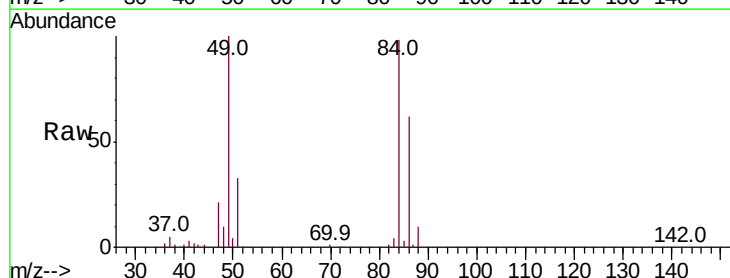
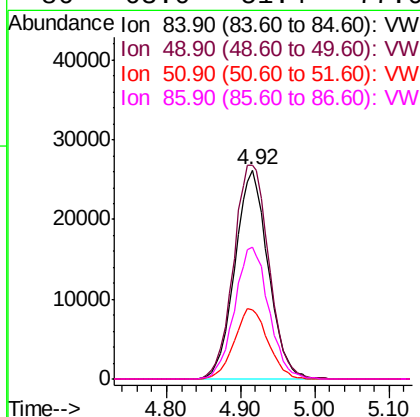
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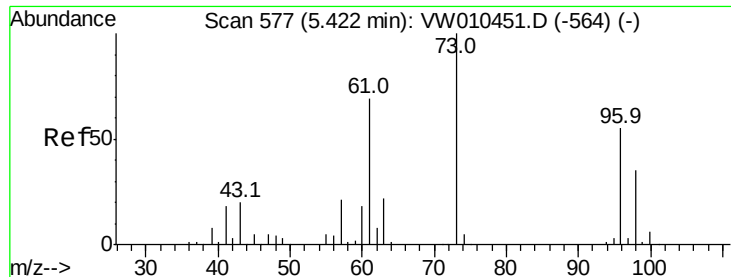
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#20
Methylene Chloride
Concen: 49.161 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW010567.D
Acq: 28 May 2019 15:11

Tgt Ion	Ratio	Lower	Upper
84	100		
49	102.0	87.2	130.8
51	33.4	27.7	41.5
86	63.0	51.4	77.0





#21

trans-1,2-Dichloroethene

Concen: 50.241 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW010567.D

Acq: 28 May 2019 15:11

Instrument :

MSVOA_W

ClientSampleId :

FESB-27(3.5-4)MSD

Tot Ion: 96 Resp: 82034

Ion Ratio Lower Upper

96 100

61 121.2 101.4 152.0

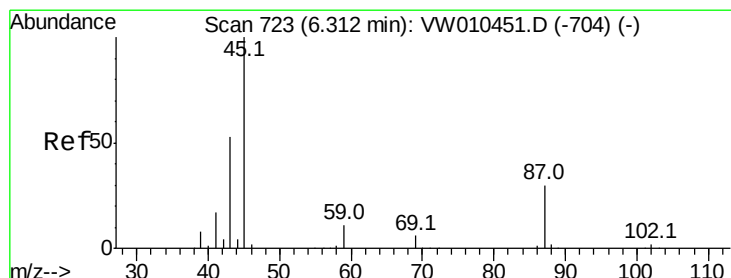
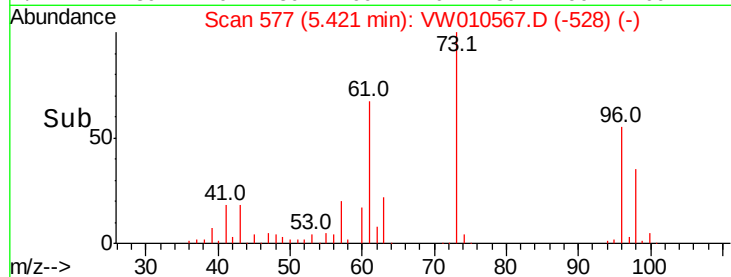
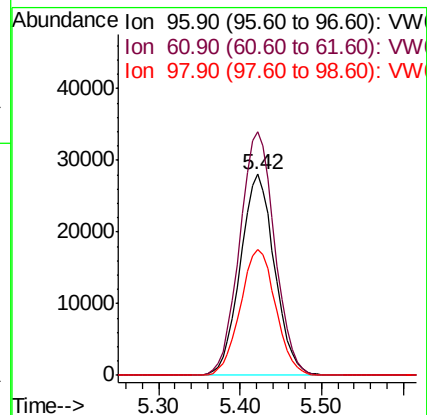
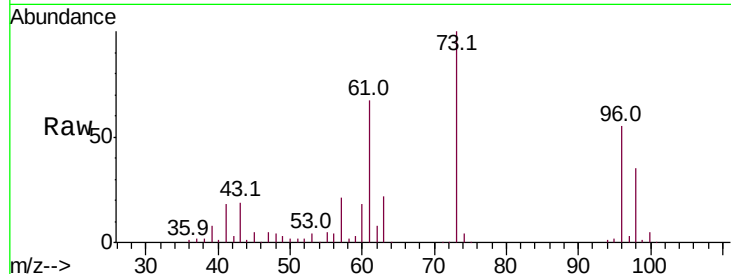
98 62.9 50.6 76.0

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#22

Diisopropyl ether

Concen: 49.324 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW010567.D

Acq: 28 May 2019 15:11

Tgt Ion: 45 Resp: 208395

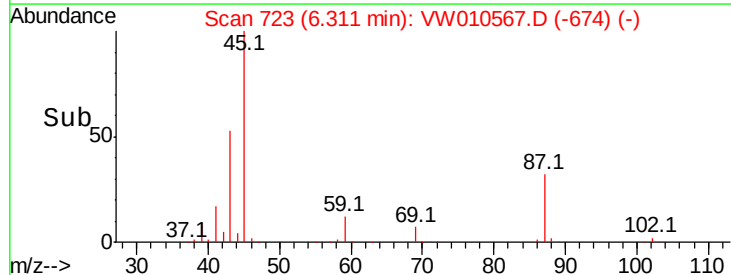
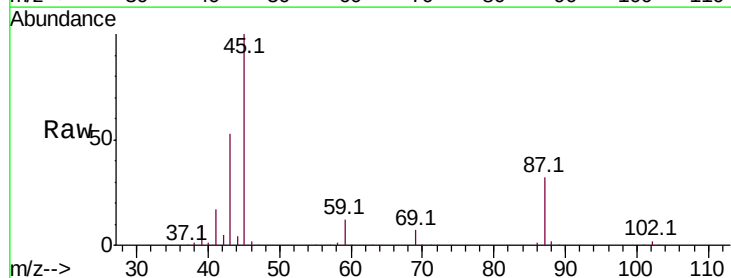
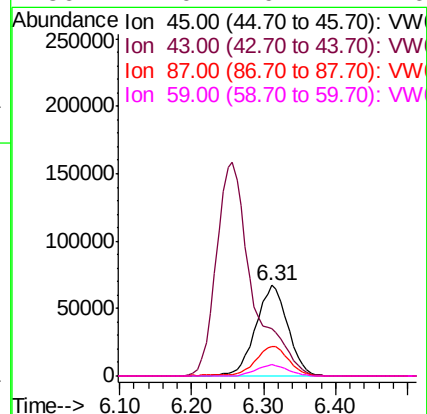
Ion Ratio Lower Upper

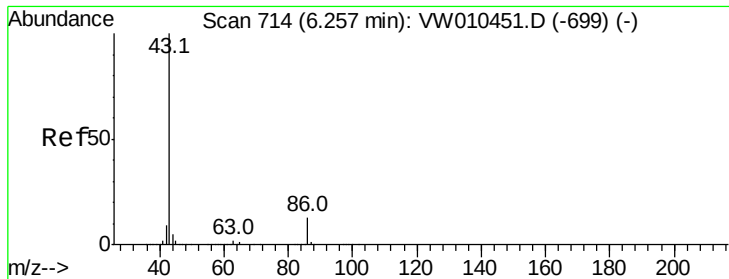
45 100

43 52.2 42.9 64.3

87 32.2 24.6 36.8

59 12.0 9.4 14.0





#23

Vinyl Acetate

Concen: 217.289 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.00 min

Lab File: VW010567.D

Acq: 28 May 2019 15:11

Tot Ion: 43 Resp: 548390

Ion Ratio Lower Upper

43 100

86 13.2 10.3 15.5

Instrument :

MSVOA_W

ClientSampleId :

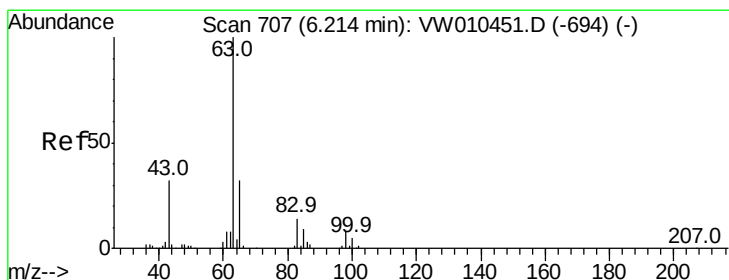
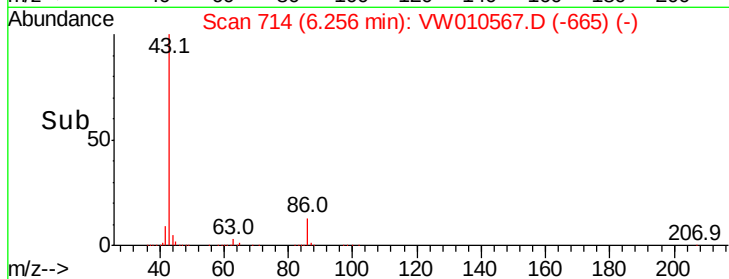
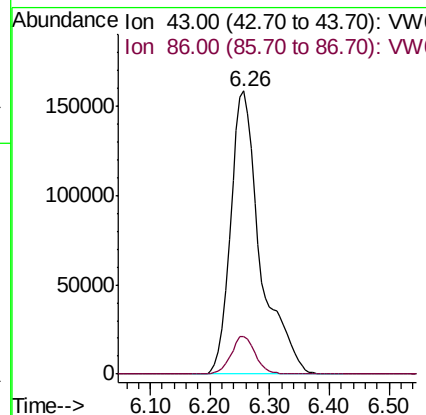
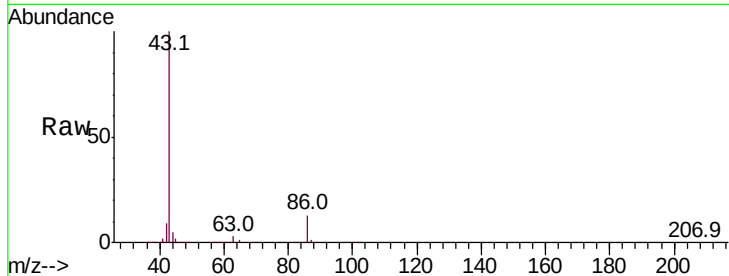
FESB-27(3.5-4)MSD

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#24

1,1-Dichloroethane

Concen: 51.120 ug/l

RT: 6.22 min Scan# 708

Delta R.T. 0.01 min

Lab File: VW010567.D

Acq: 28 May 2019 15:11

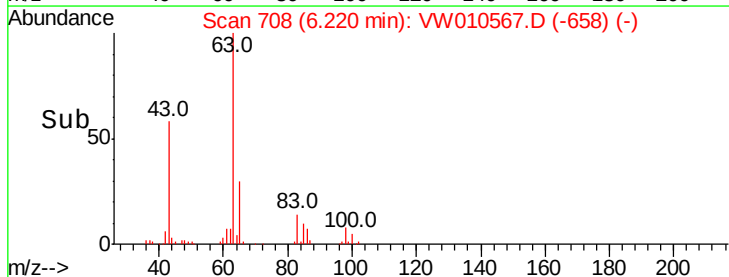
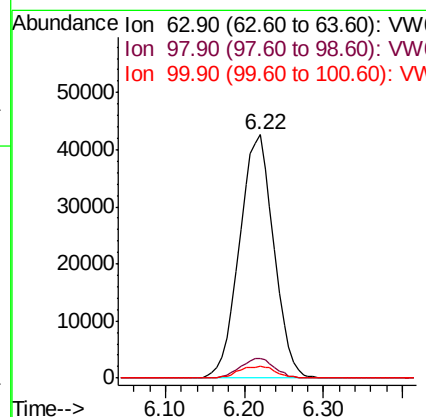
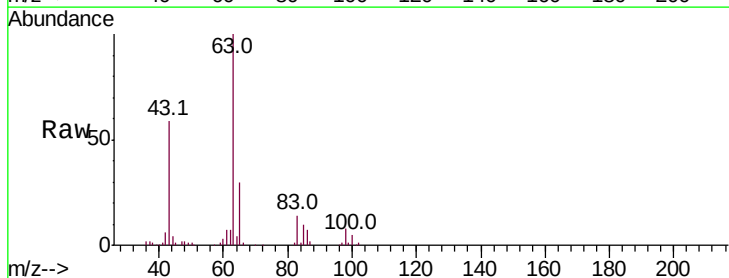
Tgt Ion: 63 Resp: 128890

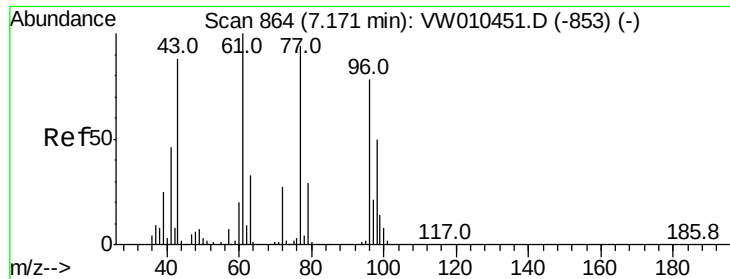
Ion Ratio Lower Upper

63 100

98 8.1 3.8 11.2

100 5.0 2.5 7.4





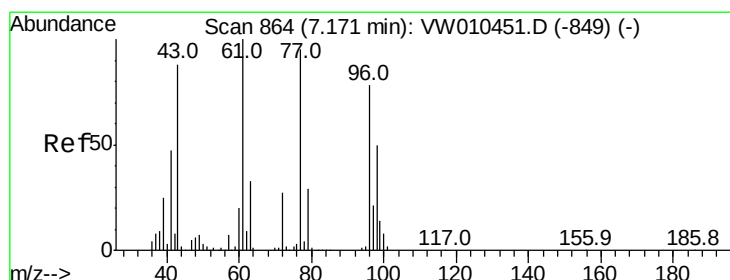
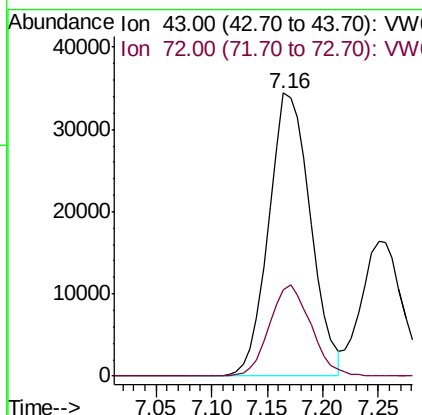
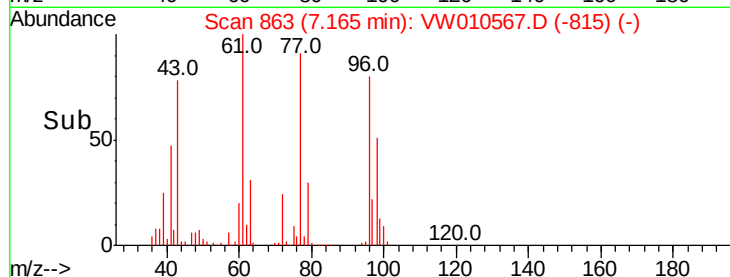
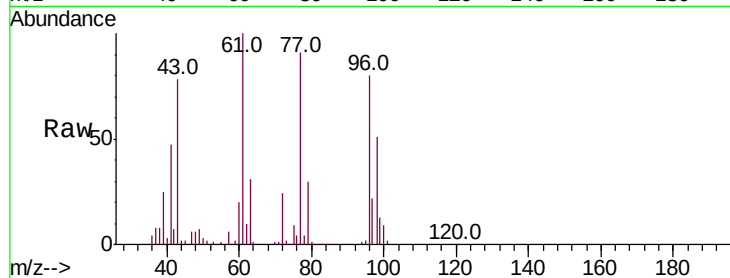
#25
2-Butanone
Concen: 221.789 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW010567.D
Acq: 28 May 2019 15:11

Instrument :
MSVOA_W
ClientSampleId :
FESB-27(3.5-4)MSD

Tot Ion	Ratio	Lower	Upper
43	100		
72	30.5	24.1	36.1

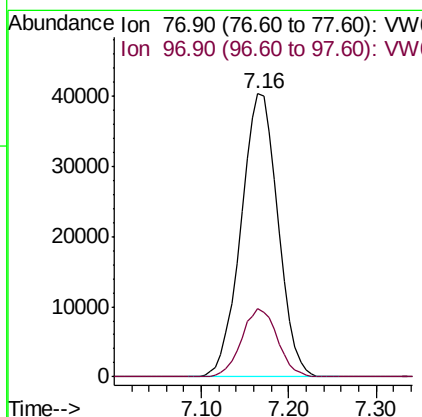
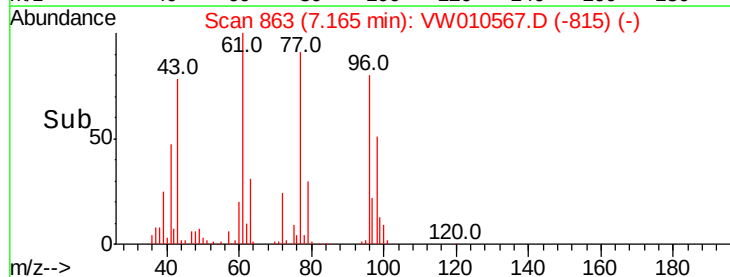
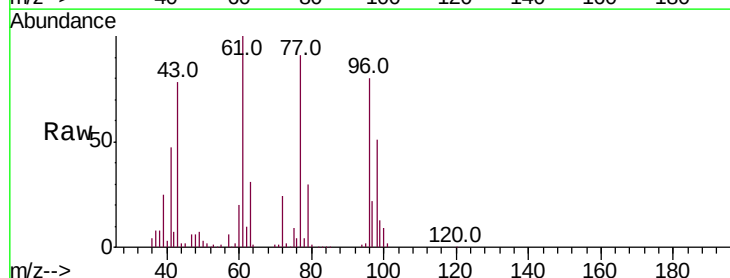
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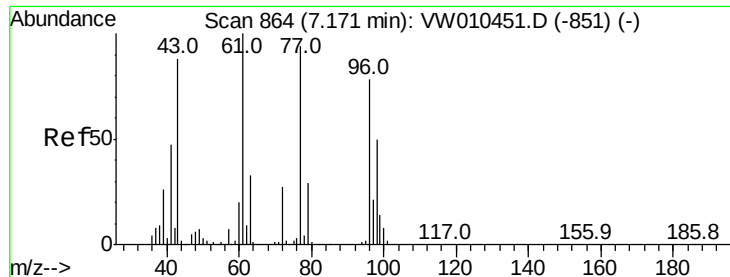
MMDadoda
5/29/2019 11:05:46 AM



#26
2,2-Dichloropropane
Concen: 49.222 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW010567.D
Acq: 28 May 2019 15:11

Tgt Ion	Ratio	Lower	Upper
77	100		
97	23.6	11.7	35.0





#27

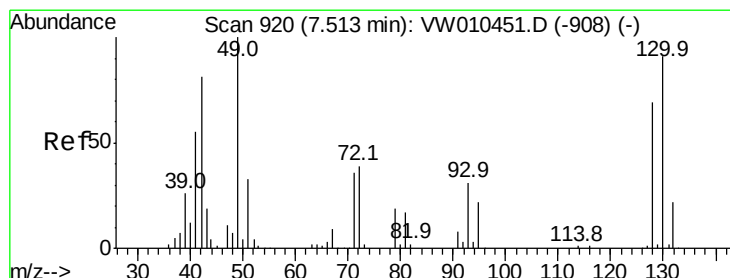
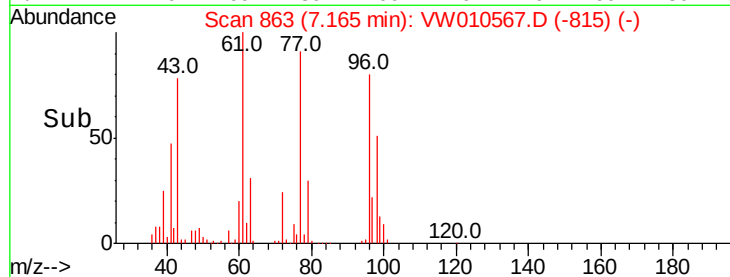
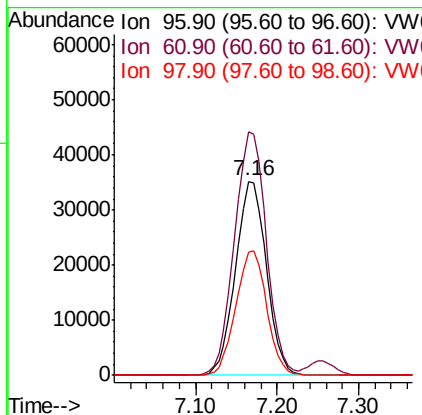
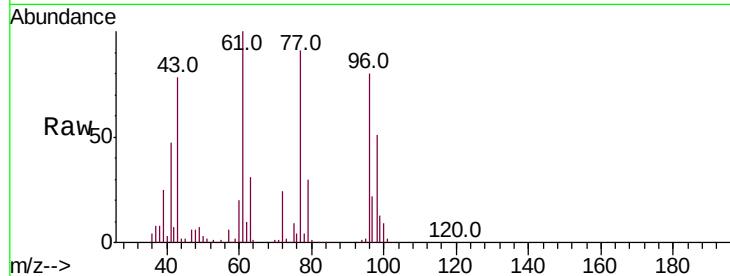
cis-1,2-Dichloroethene
Concen: 52.203 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW010567.D
Acq: 28 May 2019 15:11

Instrument :
MSVOA_W
ClientSampleId :
FESB-27(3.5-4)MSD

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	129.3	0.0	265.4	
98	64.1	0.0	129.4	

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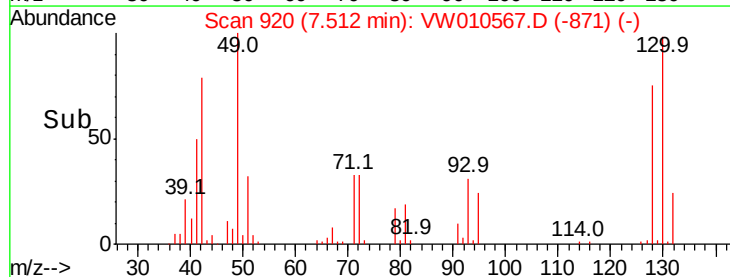
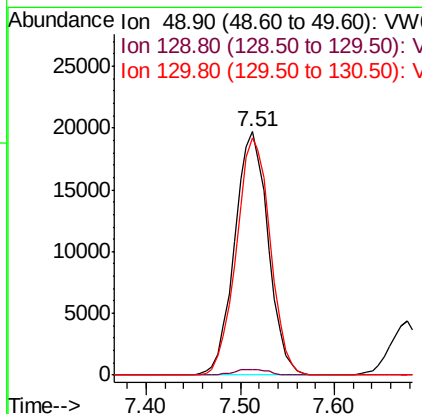
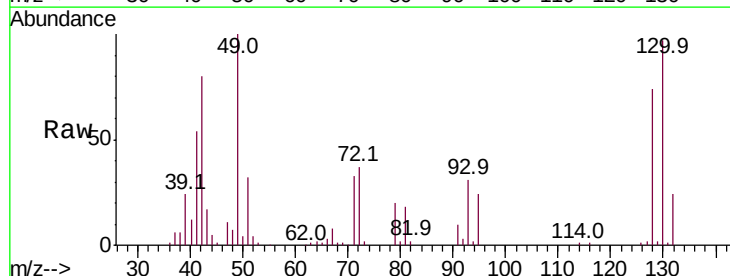
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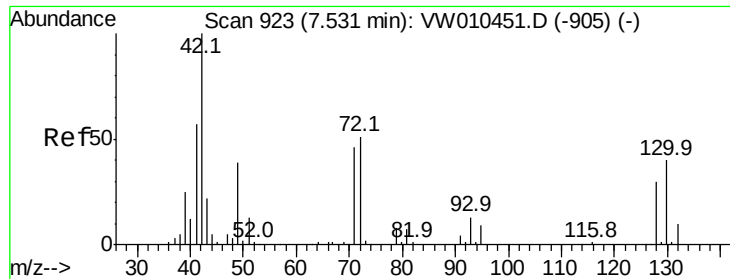


#28

Bromochloromethane
Concen: 54.227 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW010567.D
Acq: 28 May 2019 15:11

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.6	0.0	4.8	
130	98.3	71.2	106.8	





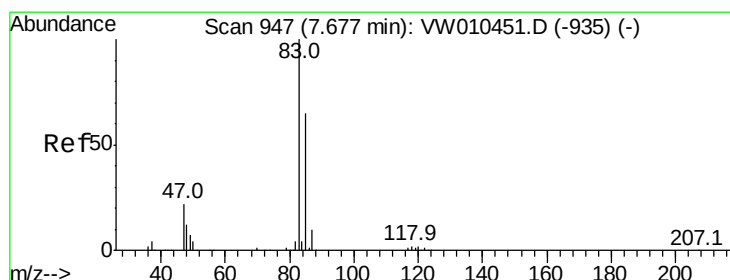
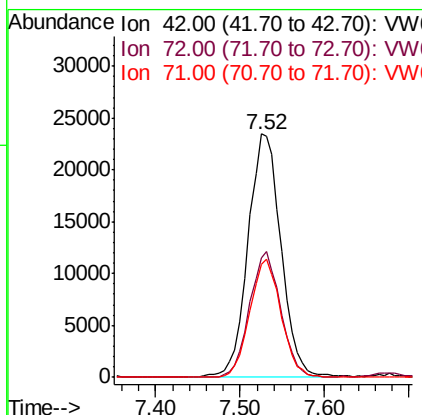
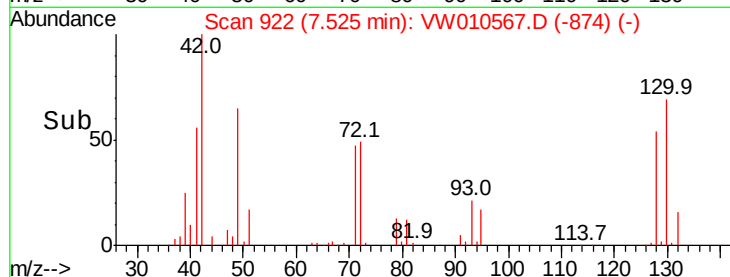
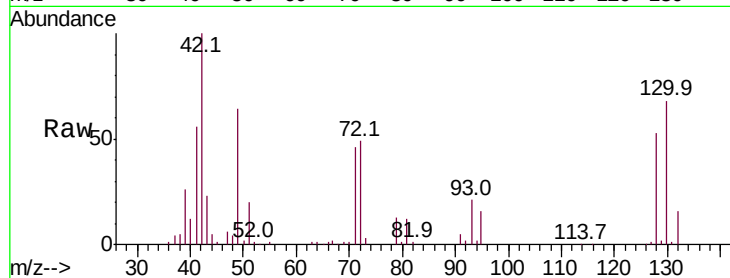
#29
Tetrahydrofuran
Concen: 226.985 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW010567.D
Acq: 28 May 2019 15:11

Instrument :
MSVOA_W
ClientSampleId :
FESB-27(3.5-4)MSD

Tot Ion:	42	Resp:	62413
Ion Ratio	Lower	Upper	
42	100		
72	48.6	38.5	57.7
71	45.8	36.5	54.7

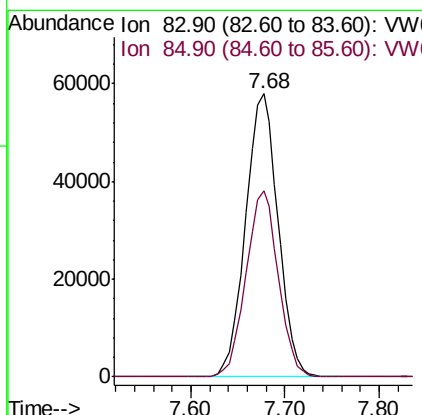
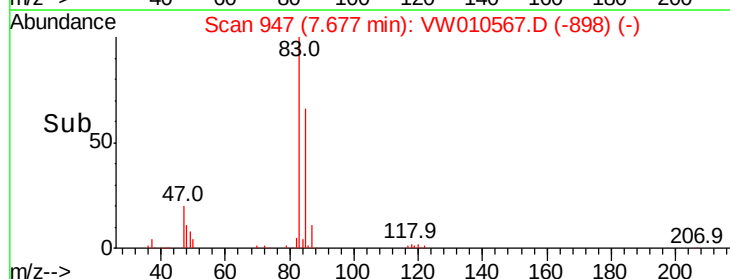
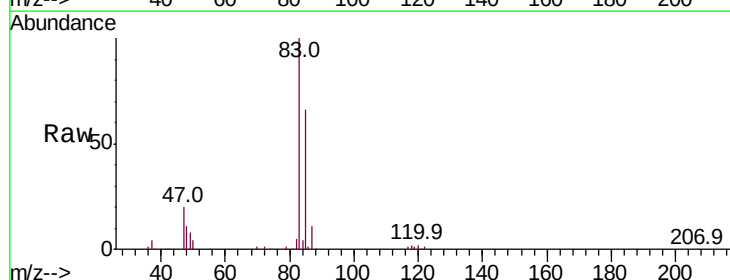
Manual Integrations
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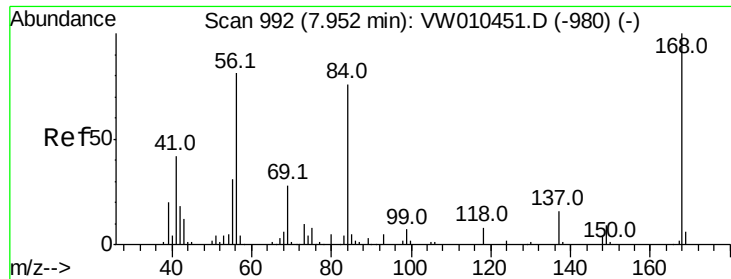
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#30
Chloroform
Concen: 51.626 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW010567.D
Acq: 28 May 2019 15:11

Tgt Ion:	83	Resp:	140400
Ion Ratio	Lower	Upper	
83	100		
85	66.0	52.2	78.4





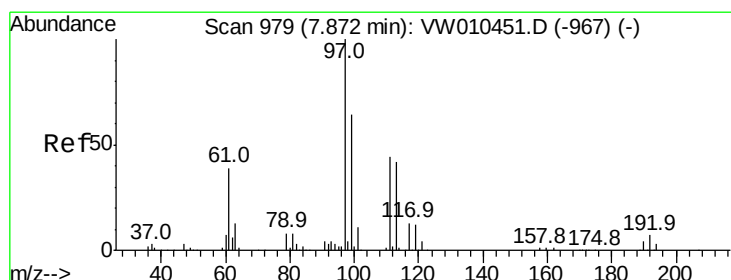
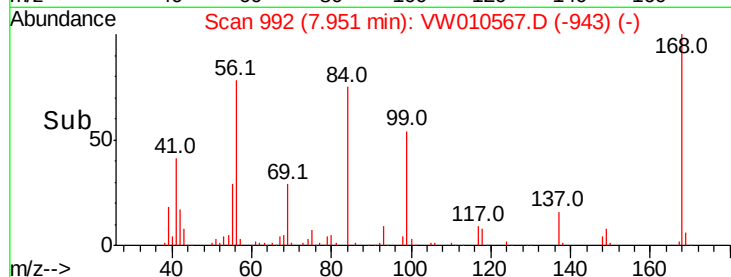
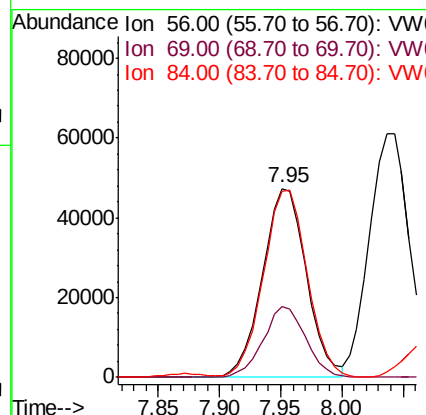
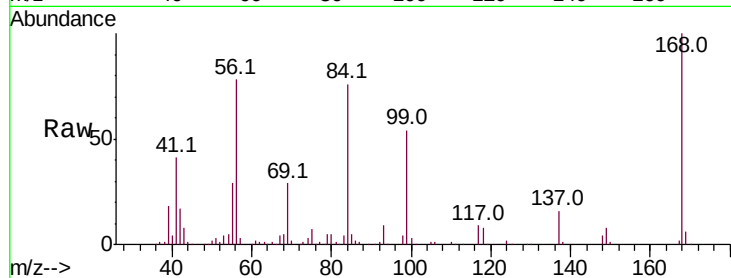
#31
Cyclohexane
Concen: 44.915 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW010567.D
Acq: 28 May 2019 15:11

Instrument :
MSVOA_W
ClientSampleId :
FESB-27(3.5-4)MSD

Tot Ion	Ratio	Lower	Upper
56	100		
69	37.2	28.2	42.2
84	96.7	75.8	113.8

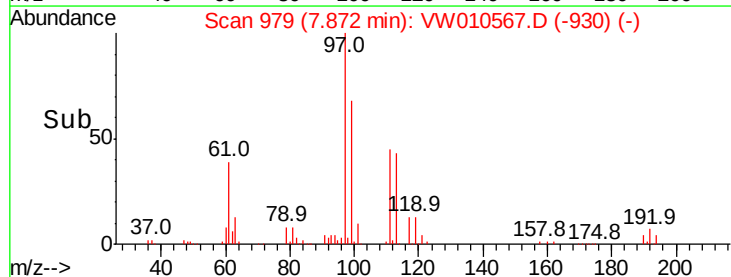
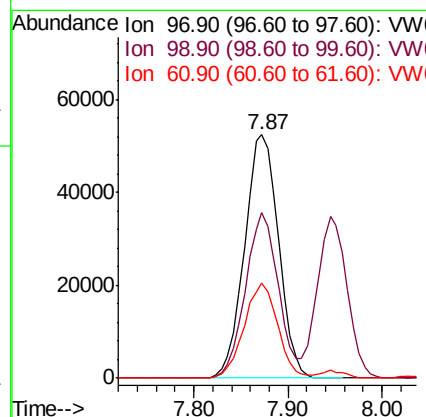
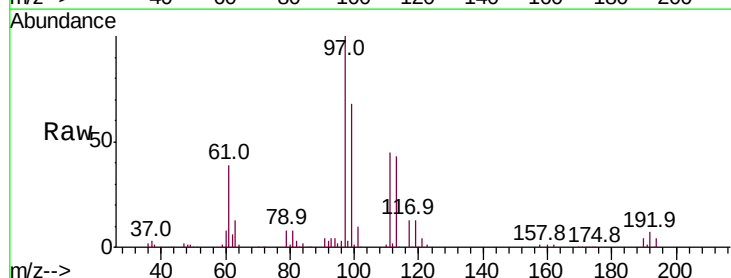
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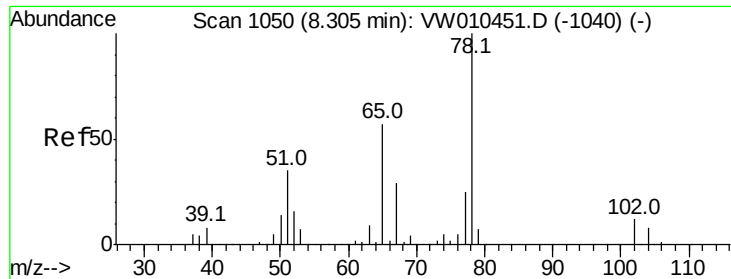
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#32
1,1,1-Trichloroethane
Concen: 50.619 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW010567.D
Acq: 28 May 2019 15:11

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.2	50.8	76.2
61	38.5	32.1	48.1





#33

1,2-Dichloroethane-d4

Concen: 48.874 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW010567.D

Acq: 28 May 2019 15:11

Instrument :

MSVOA_W

ClientSampleId :

FESB-27(3.5-4)MSD

Tot Ion: 65 Resp: 67986

Ion Ratio Lower Upper

65 100

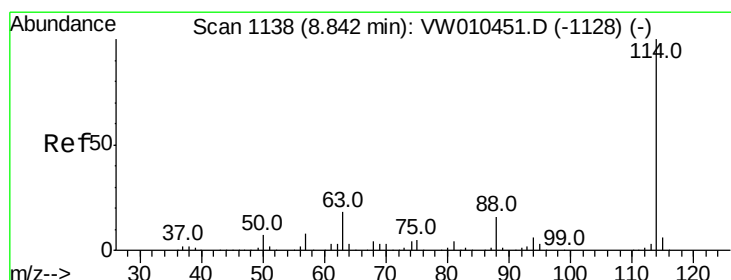
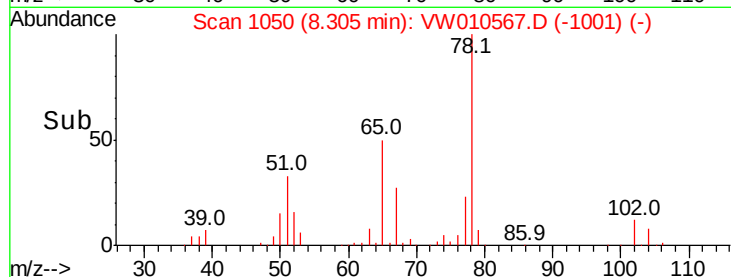
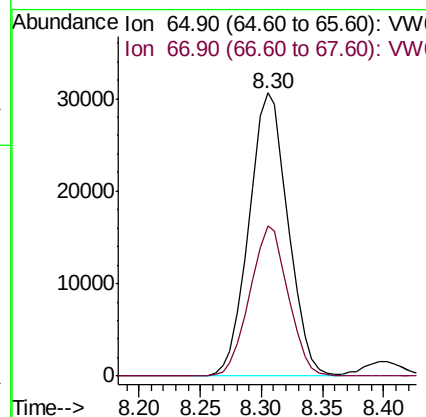
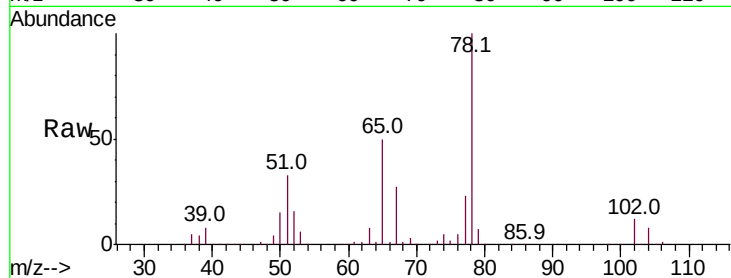
67 51.9 0.0 103.6

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW010567.D

Acq: 28 May 2019 15:11

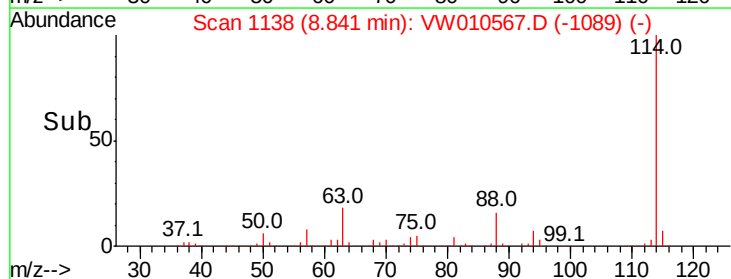
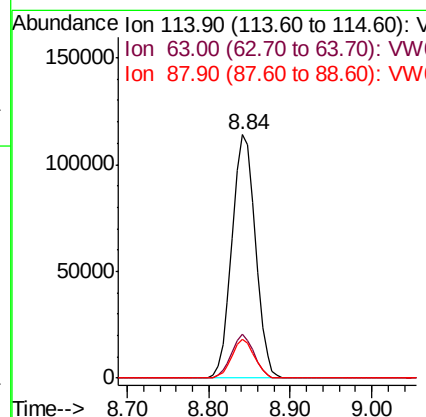
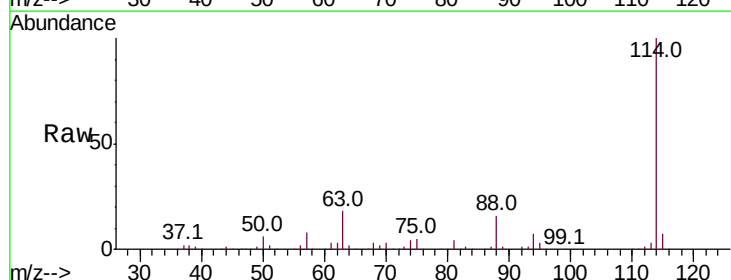
Tgt Ion: 114 Resp: 225551

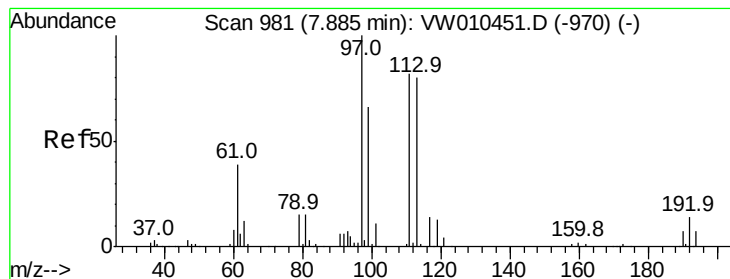
Ion Ratio Lower Upper

114 100

63 17.9 0.0 36.0

88 15.8 0.0 32.0





#35

Dibromofluoromethane

Concen: 53.618 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW010567.D

Acq: 28 May 2019 15:11

Instrument :

MSVOA_W

ClientSampleId :

FESB-27(3.5-4)MSD

Tot Ion:113 Resp: 73382

Ion Ratio Lower Upper

113 100

111 102.5 82.2 123.4

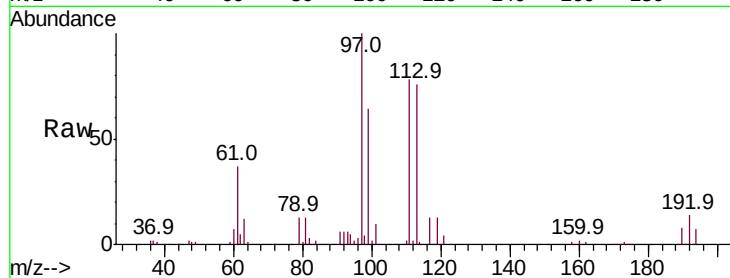
192 19.1 14.3 21.5

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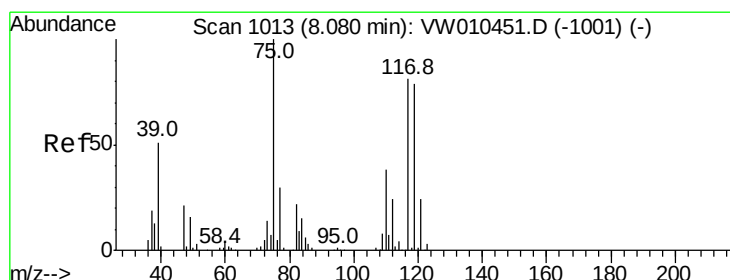
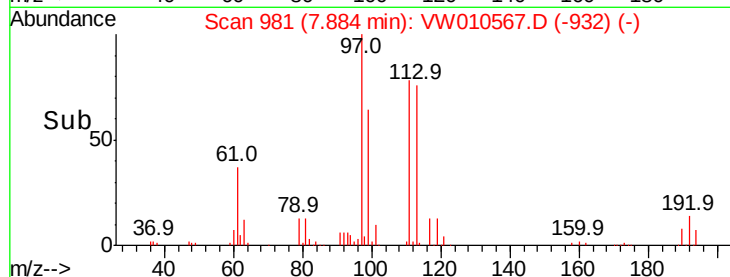
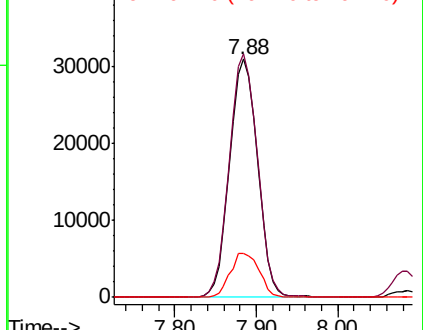
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Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 51.507 ug/l

RT: 8.09 min Scan# 1014

Delta R.T. 0.01 min

Lab File: VW010567.D

Acq: 28 May 2019 15:11

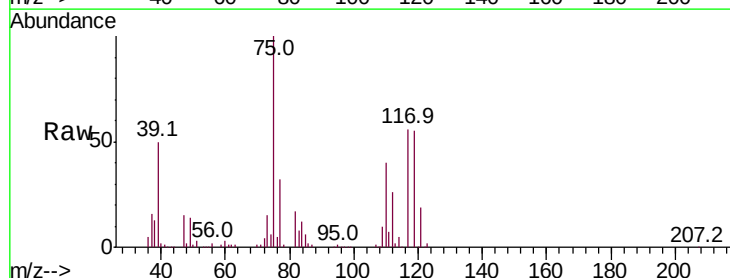
Tgt Ion: 75 Resp: 108222

Ion Ratio Lower Upper

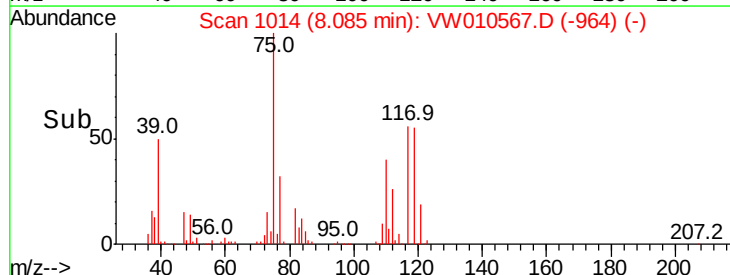
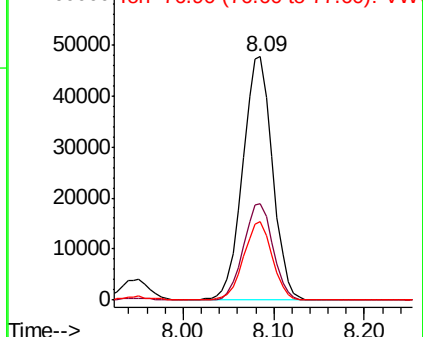
75 100

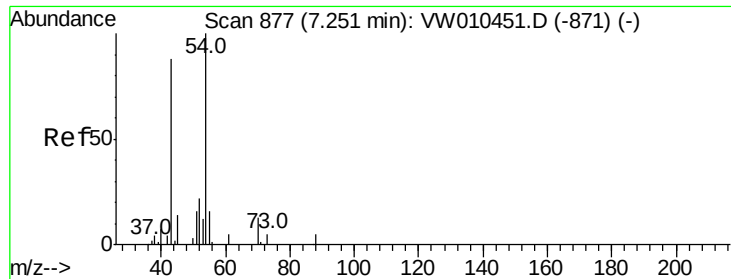
110 39.3 19.2 57.6

77 31.1 25.2 37.8



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VW





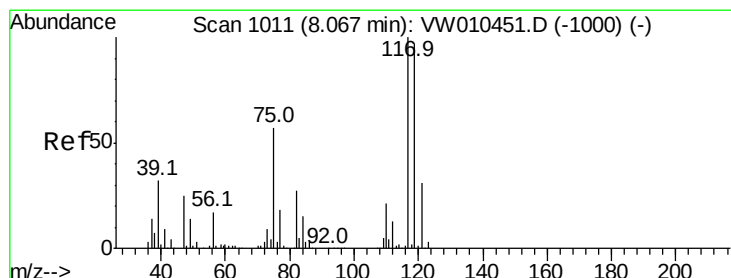
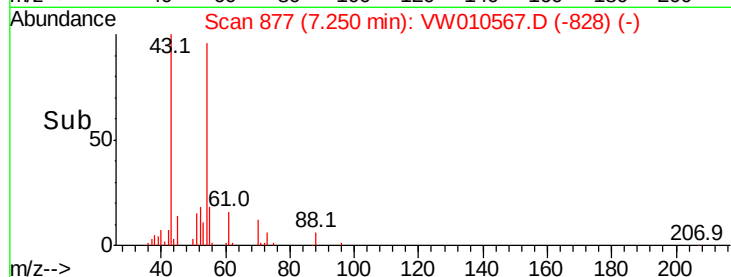
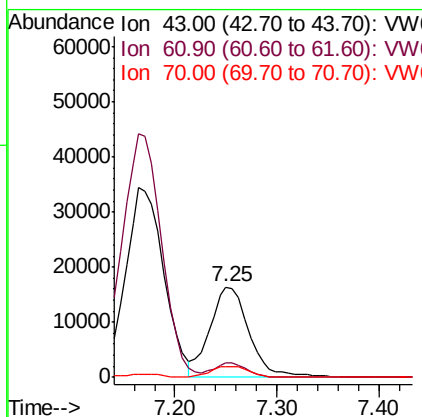
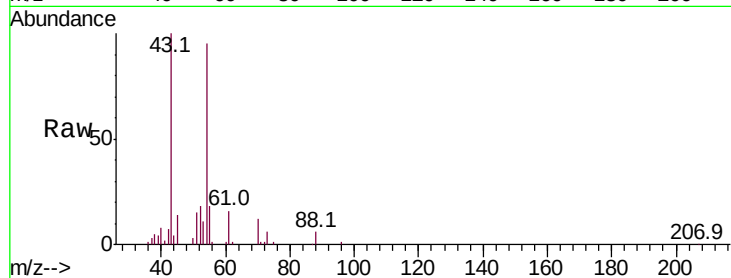
#37
Ethyl Acetate
Concen: 48.026 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW010567.D
Acq: 28 May 2019 15:11

Instrument :
MSVOA_W
ClientSampleId :
FESB-27(3.5-4)MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.0	11.2	16.8
70	12.3	9.9	14.9

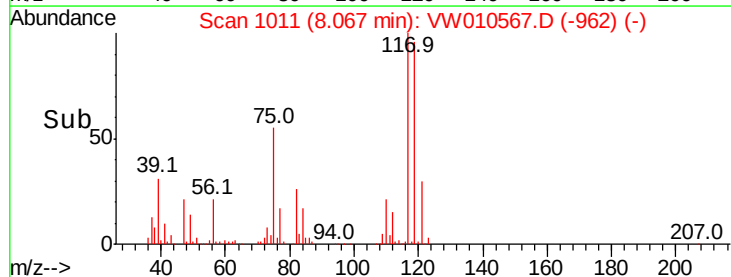
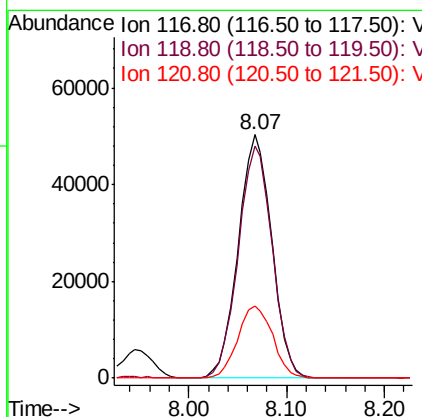
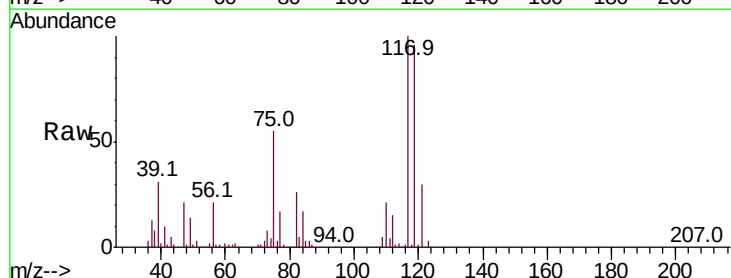
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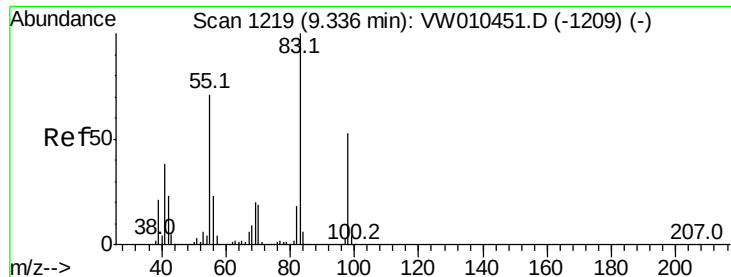
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#38
Carbon Tetrachloride
Concen: 52.773 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW010567.D
Acq: 28 May 2019 15:11

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.5	77.4	116.0
121	29.7	25.0	37.6





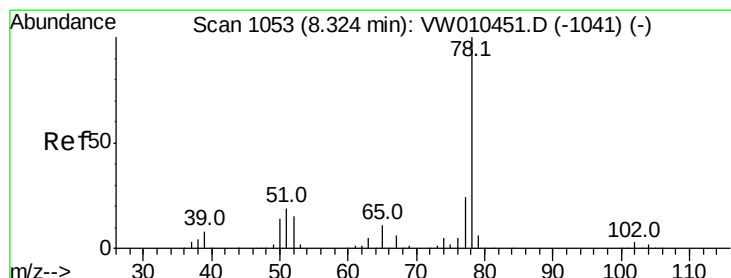
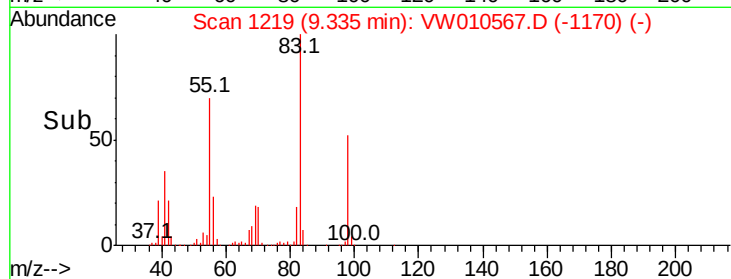
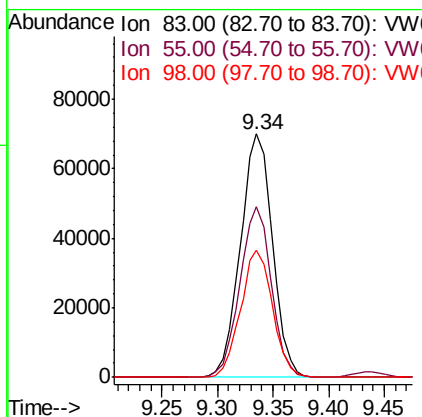
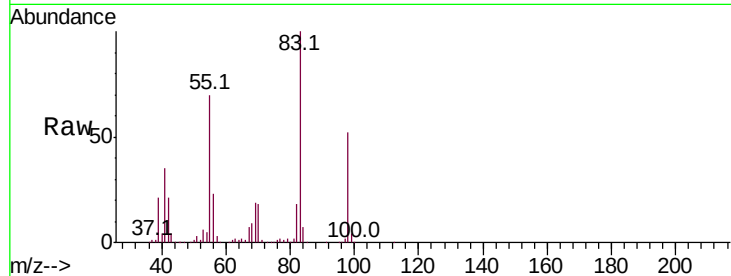
#39
Methylvlcyclohexane
Concen: 49.809 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW010567.D
Acq: 28 May 2019 15:11

Instrument :
MSVOA_W
ClientSampleId :
FESB-27(3.5-4)MSD

Tot Ion	Ratio	Resp	Lower	Upper
83	100	140213		
55	70.1		57.0	85.6
98	52.0		42.0	63.0

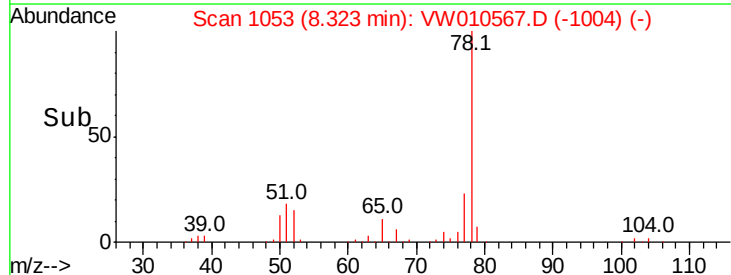
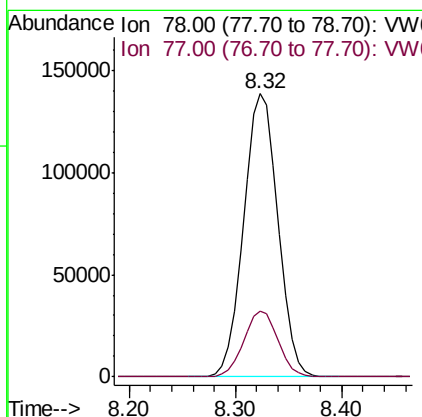
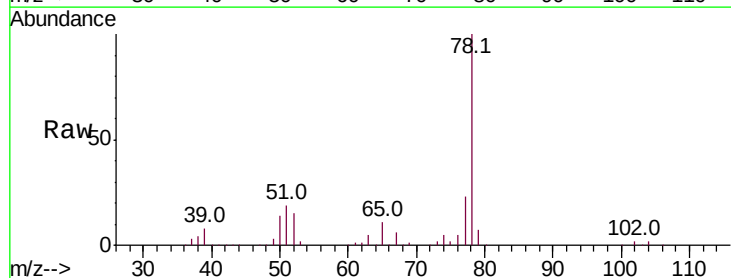
Manual Integrations
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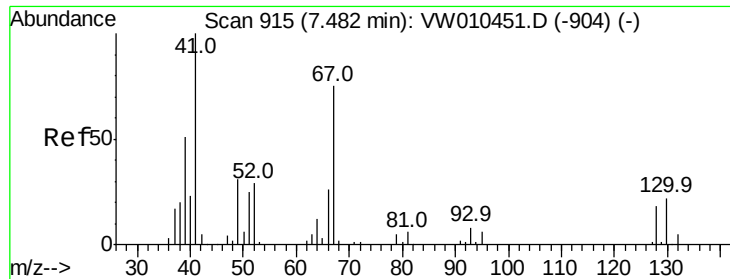
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#40
Benzene
Concen: 53.570 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW010567.D
Acq: 28 May 2019 15:11

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	312846		
77	23.2		18.9	28.3





#41

Methacrylonitrile

Concen: 45.358 ug/l

RT: 7.48 min Scan# 915

Delta R.T. -0.00 min

Lab File: VW010567.D

Acq: 28 May 2019 15:11

Instrument :

MSVOA_W

ClientSampleId :

FESB-27(3.5-4)MSD

Tot Ion: 41 Resp: 24080

Ion Ratio Lower Upper

41 100

39 59.4 47.4 71.2

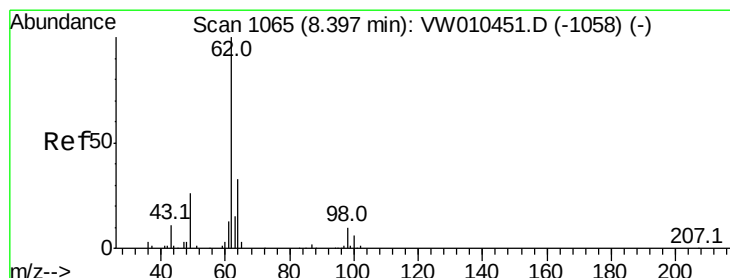
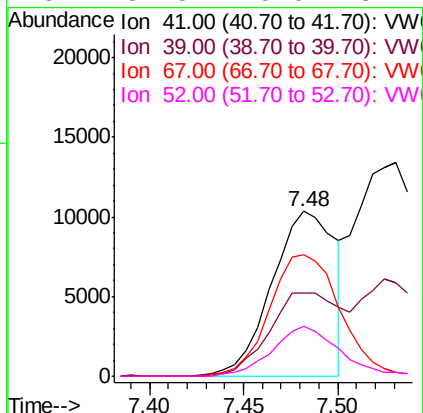
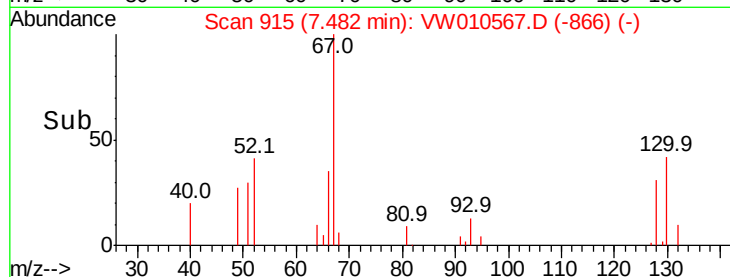
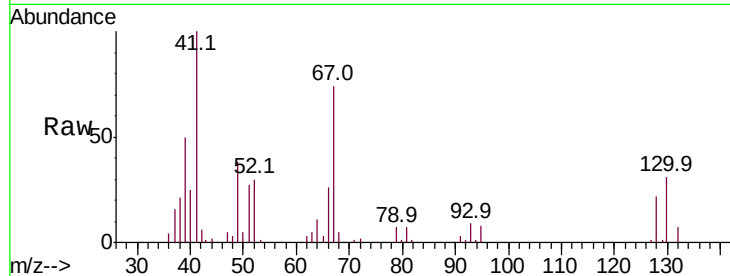
67 82.4 65.5 98.3

52 31.8 25.0 37.4

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 51.727 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW010567.D

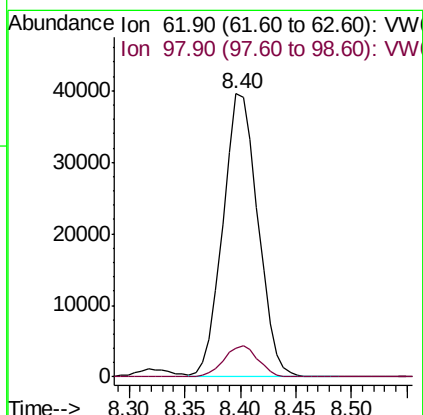
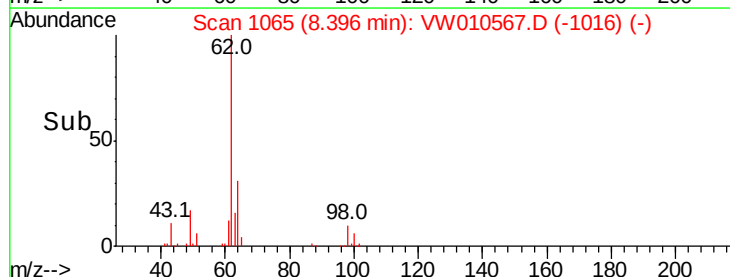
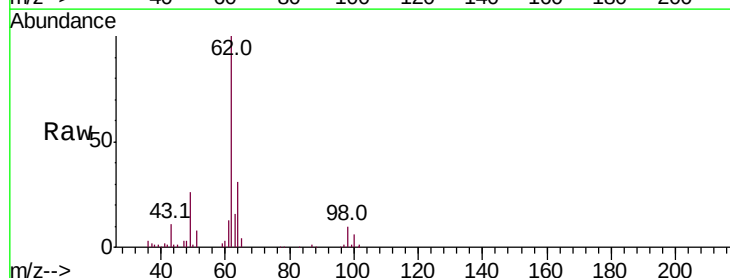
Acq: 28 May 2019 15:11

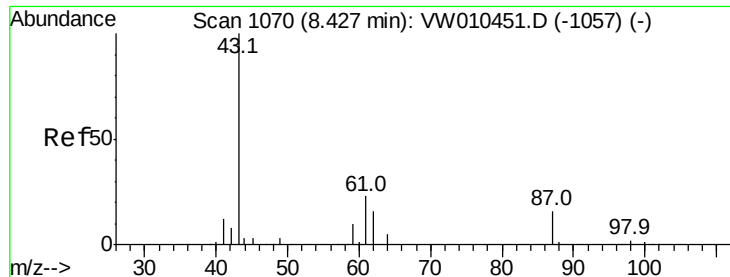
Tgt Ion: 62 Resp: 86338

Ion Ratio Lower Upper

62 100

98 10.8 0.0 21.0





#43

Isopropyl Acetate

Concen: 47.476 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW010567.D

Acq: 28 May 2019 15:11

Instrument :

MSVOA_W

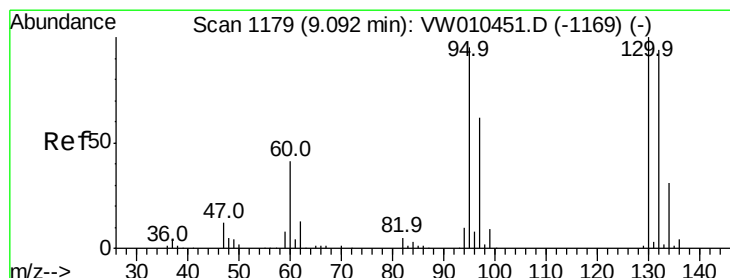
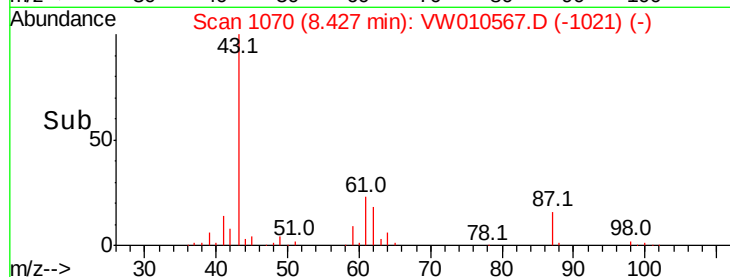
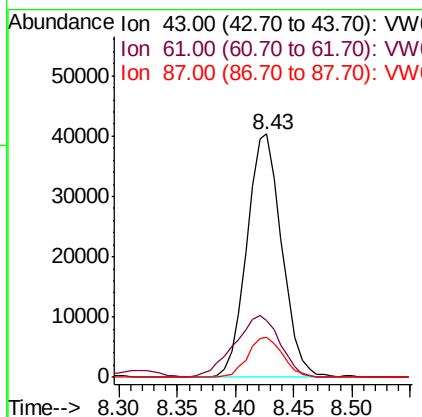
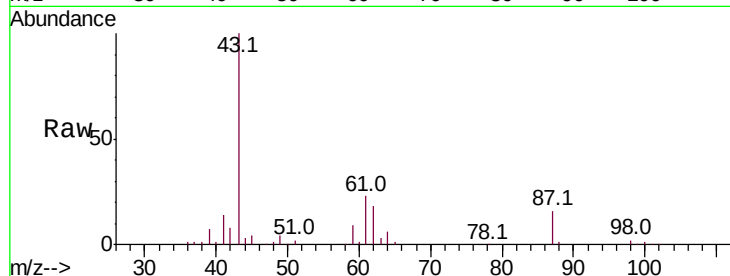
ClientSampleId :

FESB-27(3.5-4)MSD

Tot Ion:	43	Resp:	84744
Ion	Ratio	Lower	Upper
43	100		
61	33.1	25.4	38.2
87	16.5	12.7	19.1

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#44

Trichloroethene

Concen: 55.154 ug/l

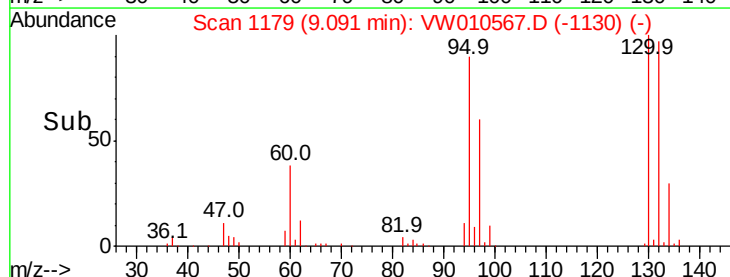
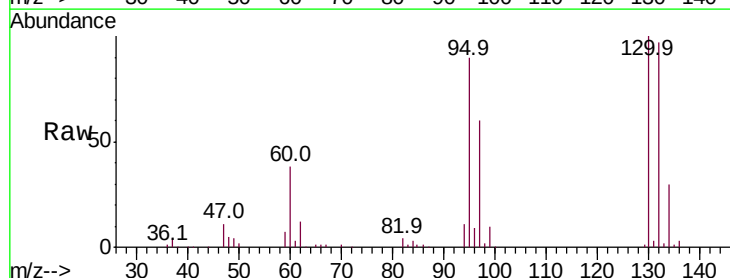
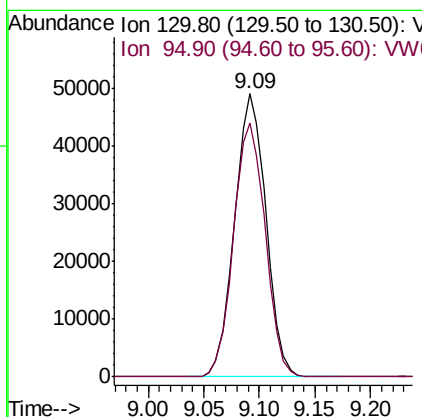
RT: 9.09 min Scan# 1179

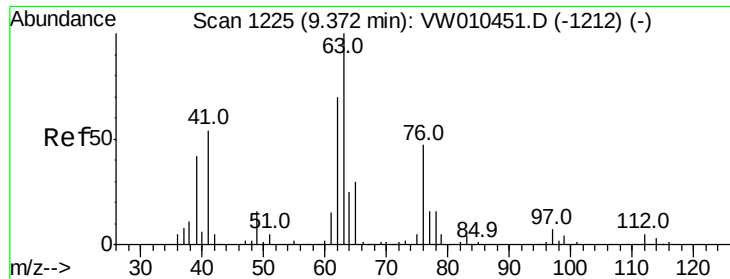
Delta R.T. -0.00 min

Lab File: VW010567.D

Acq: 28 May 2019 15:11

Tgt Ion:	130	Resp:	95624
Ion	Ratio	Lower	Upper
130	100		
95	89.8	0.0	189.6





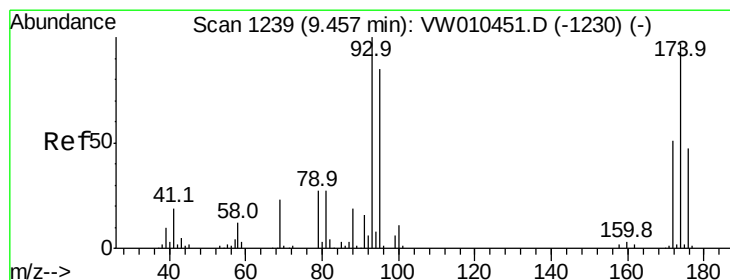
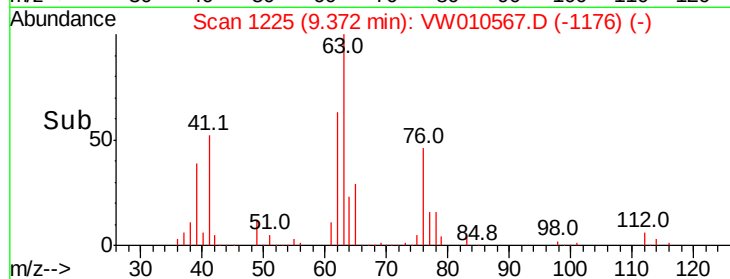
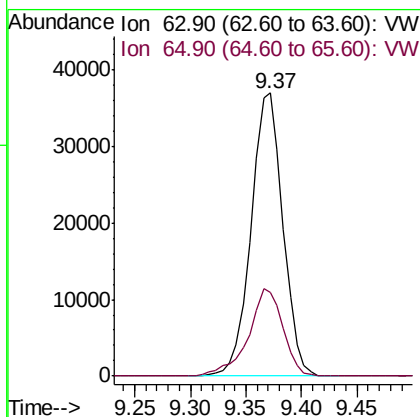
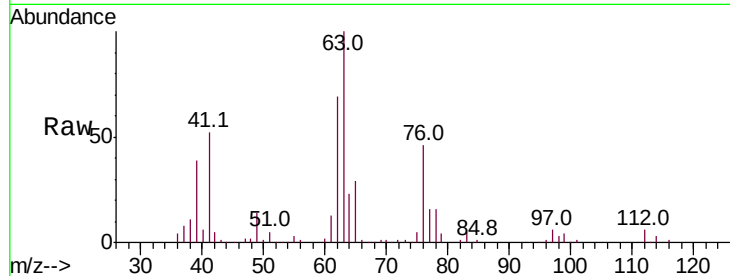
#45
 1,2-Dichloropropane
 Concen: 53.025 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: VW010567.D
 Acq: 28 May 2019 15:11

Instrument :
 MSVOA_W
 ClientSampleId :
 FESB-27(3.5-4)MSD

Tot Ion	Ratio	Lower	Upper
63	100		
65	29.4	24.3	36.5

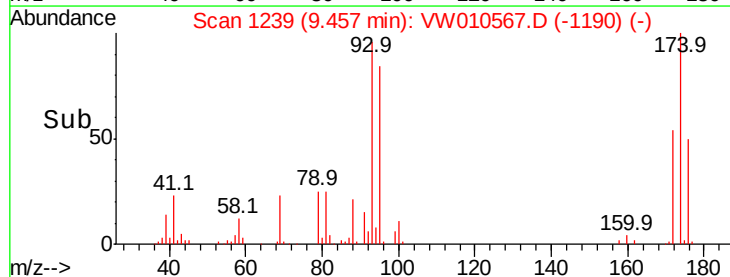
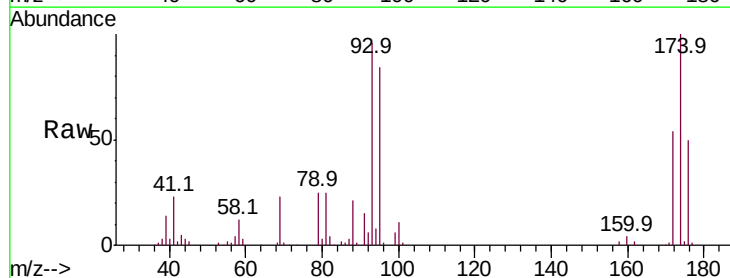
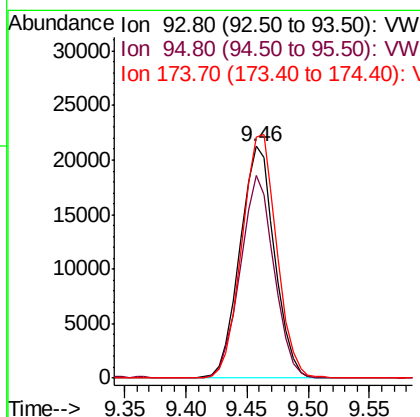
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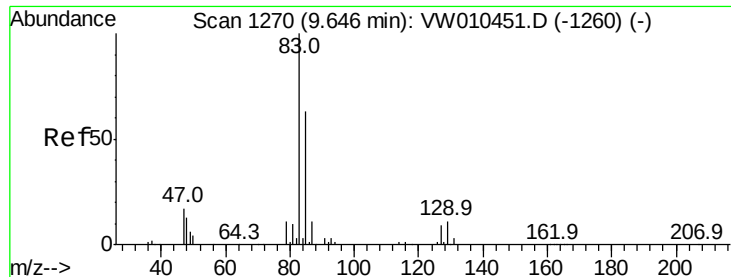
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#46
 Dibromomethane
 Concen: 51.523 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW010567.D
 Acq: 28 May 2019 15:11

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.9	66.1	99.1
174	105.7	77.1	115.7





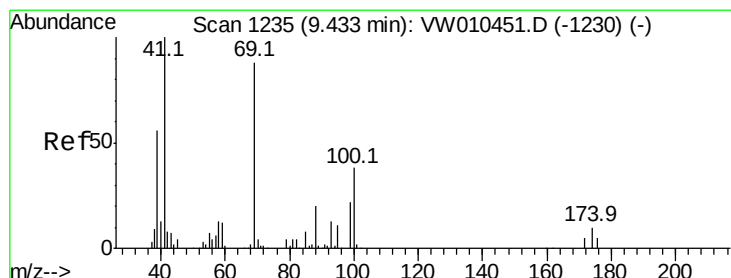
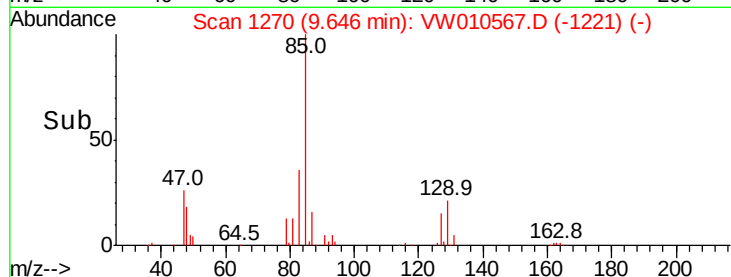
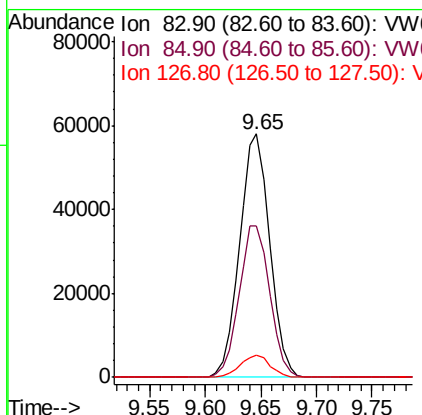
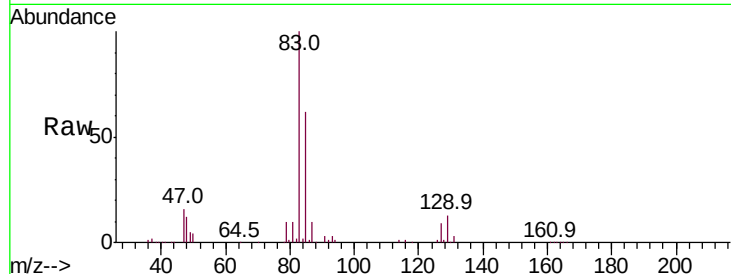
#47
 Bromodichloromethane
 Concen: 53.340 ug/l
 RT: 9.65 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VW010567.D
 Acq: 28 May 2019 15:11

Instrument :
 MSVOA_W
 ClientSampleId :
 FESB-27(3.5-4)MSD

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	62.1	50.4	75.6	
127	9.2	7.4	11.0	

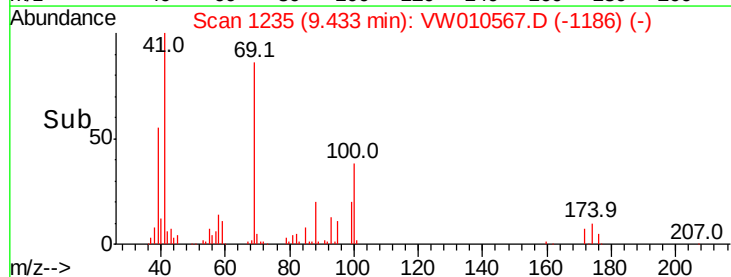
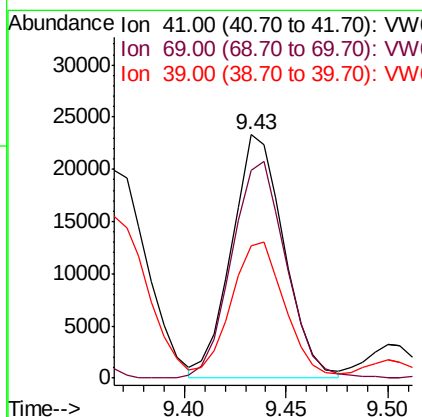
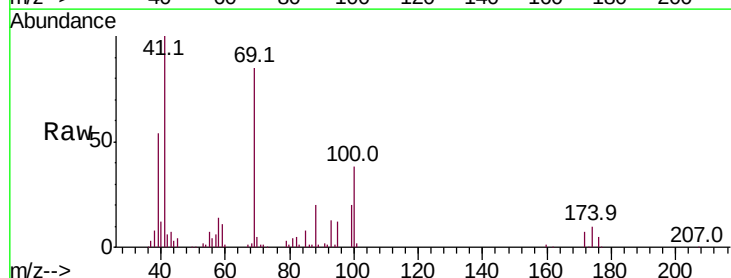
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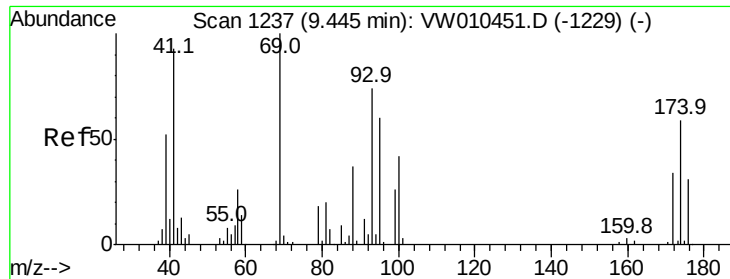
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#48
 Methyl methacrylate
 Concen: 50.891 ug/l
 RT: 9.43 min Scan# 1235
 Delta R.T. -0.00 min
 Lab File: VW010567.D
 Acq: 28 May 2019 15:11

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	92.4	77.6	116.4	
39	57.9	49.8	74.8	





#49

1,4-Dioxane

Concen: 1003.370 ug/l

RT: 9.44 min Scan# 1237

Delta R.T. -0.00 min

Lab File: VW010567.D

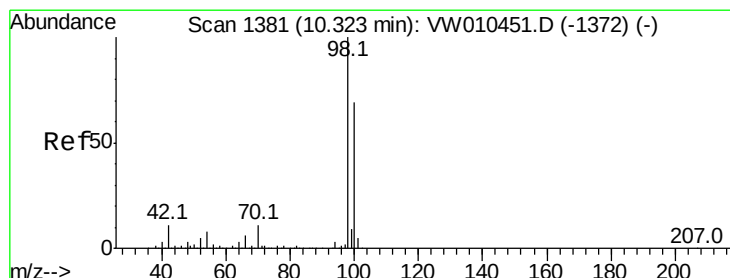
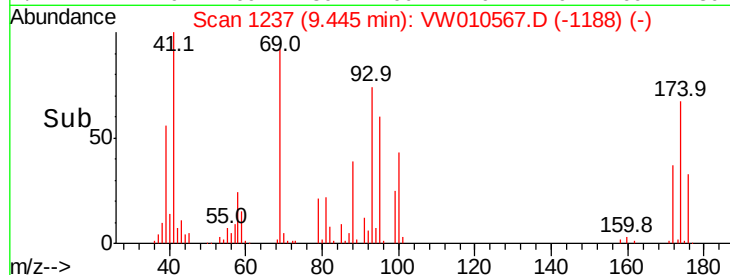
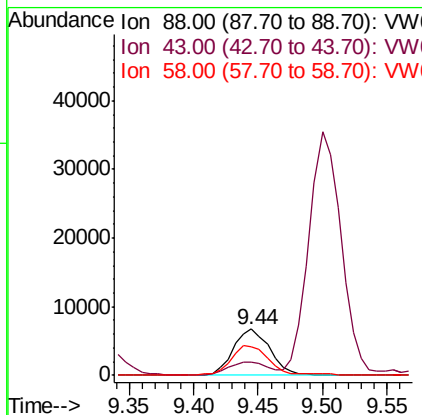
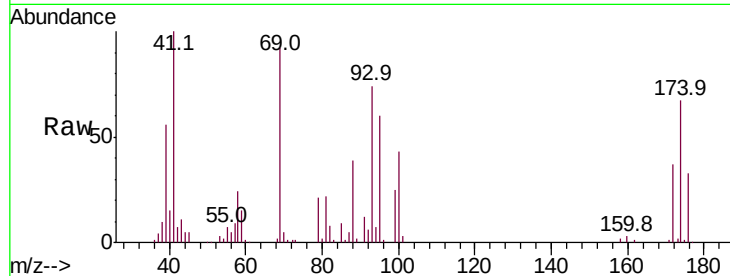
Acq: 28 May 2019 15:11

Instrument :
MSVOA_W
ClientSampleId :
FESB-27(3.5-4)MSD

Tot Ion:	88	Resp:	13295
Ion	Ratio	Lower	Upper
88	100		
43	29.8	25.9	38.9
58	65.8	52.7	79.1

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#50

Toluene-d8

Concen: 53.289 ug/l

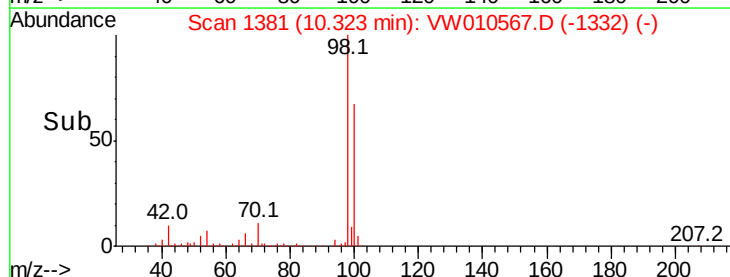
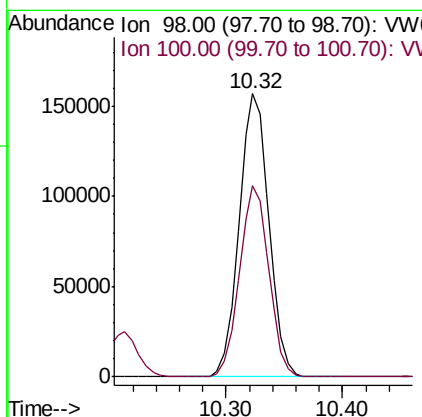
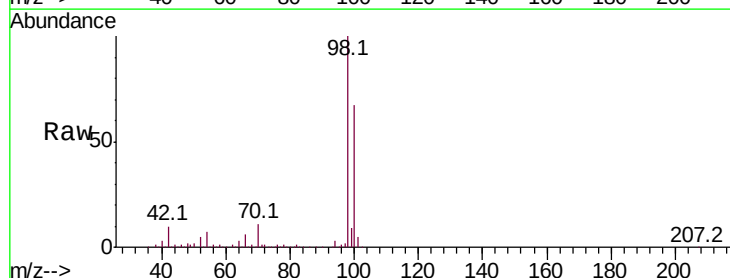
RT: 10.32 min Scan# 1381

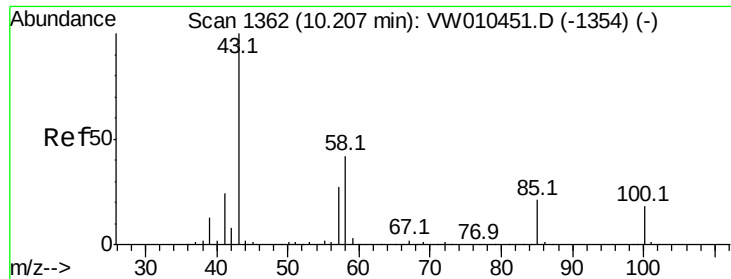
Delta R.T. -0.00 min

Lab File: VW010567.D

Acq: 28 May 2019 15:11

Tgt Ion:	98	Resp:	278617
Ion	Ratio	Lower	Upper
98	100		
100	66.6	53.7	80.5





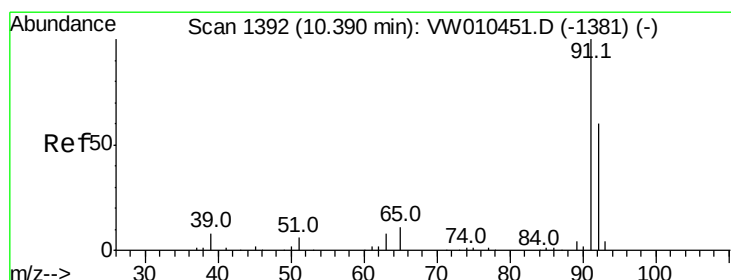
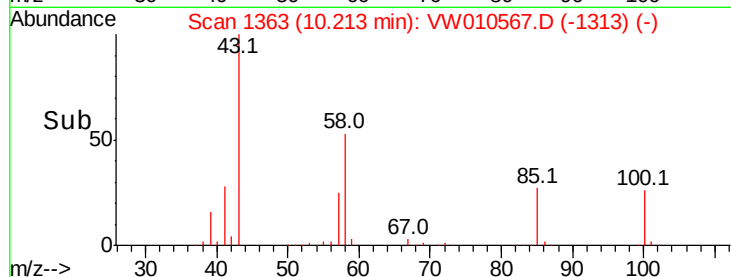
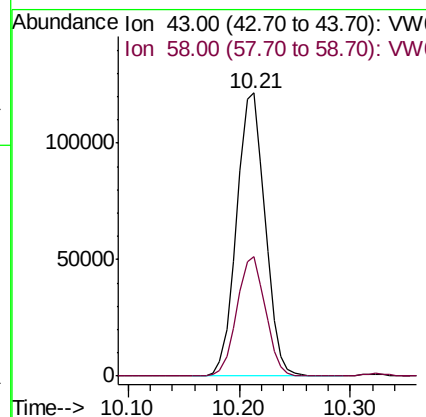
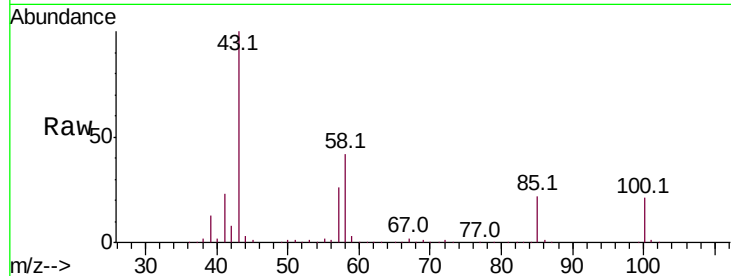
#51
4-Methyl-2-Pentanone
Concen: 238.285 ug/l
RT: 10.21 min Scan# 1363
Delta R.T. 0.01 min
Lab File: VW010567.D
Acq: 28 May 2019 15:11

Instrument :
MSVOA_W
ClientSampleId :
FESB-27(3.5-4)MSD

Tot Ion: 43 Resp: 215530
Ion Ratio Lower Upper
43 100
58 42.2 33.2 49.8

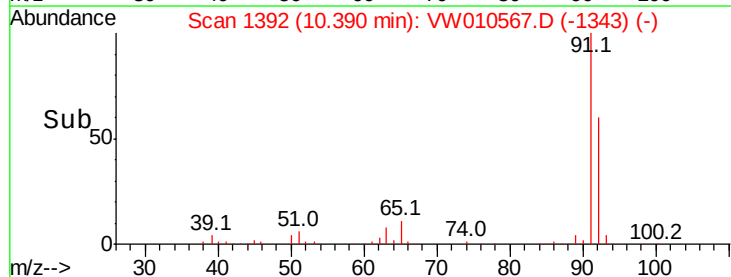
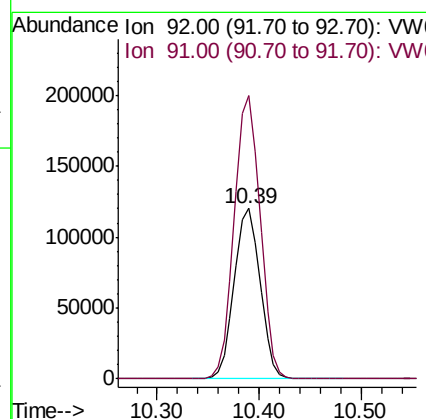
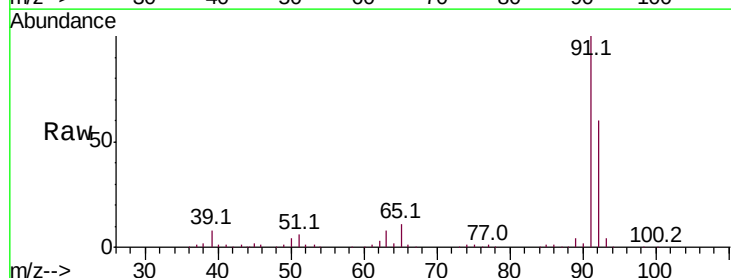
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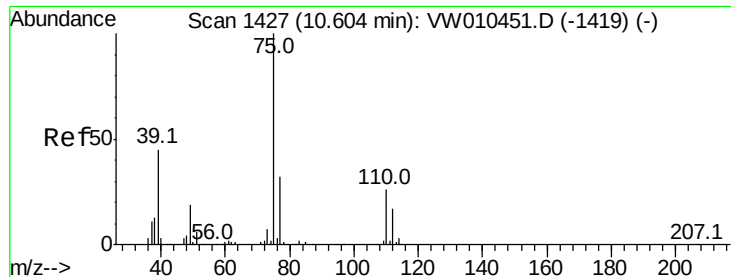
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#52
Toluene
Concen: 53.943 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. -0.00 min
Lab File: VW010567.D
Acq: 28 May 2019 15:11

Tgt Ion: 92 Resp: 211563
Ion Ratio Lower Upper
92 100
91 166.2 135.4 203.0





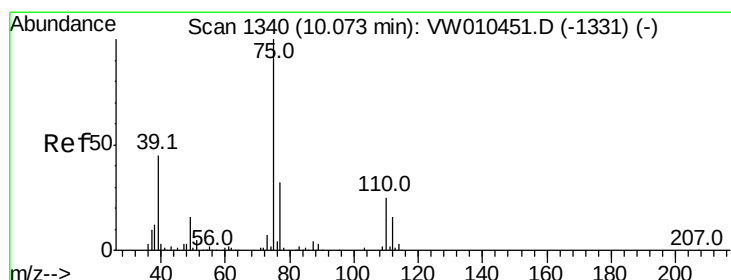
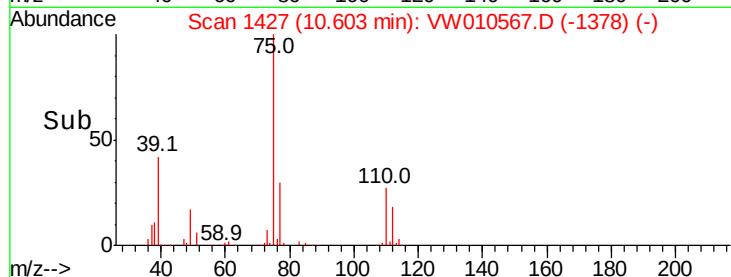
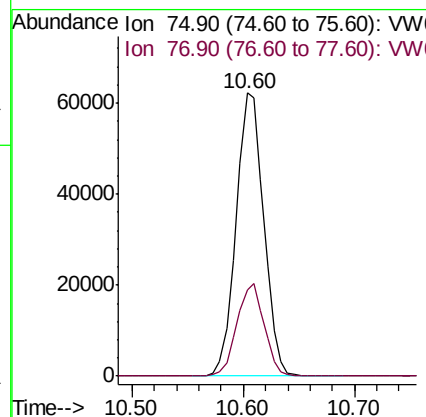
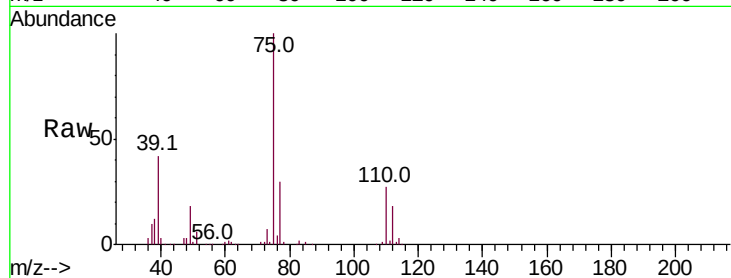
#53
 t-1,3-Dichloropropene
 Concen: 51.723 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.00 min
 Lab File: VW010567.D
 Acq: 28 May 2019 15:11

Instrument :
 MSVOA_W
 ClientSampleId :
 FESB-27(3.5-4)MSD

Tot Ion	75	Resp	106777
Ion Ratio	100	Lower	Upper
77	30.4	25.4	38.0

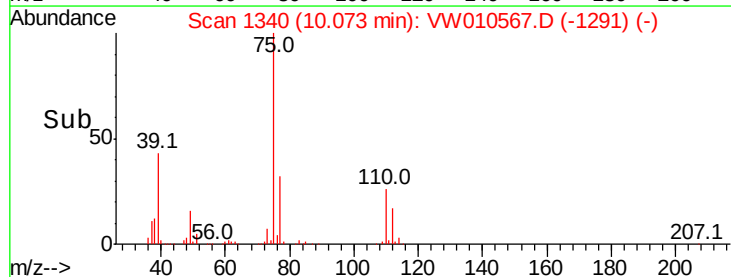
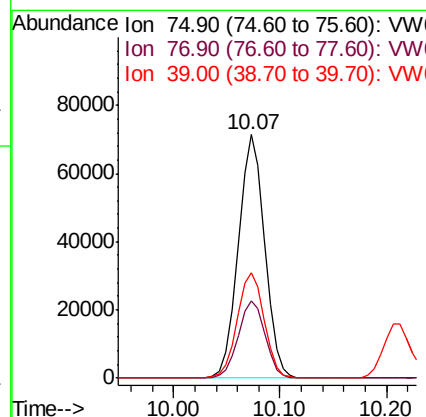
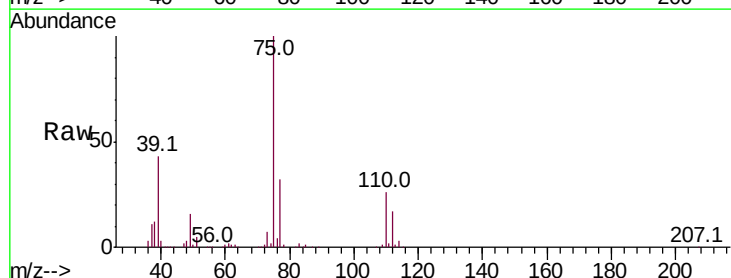
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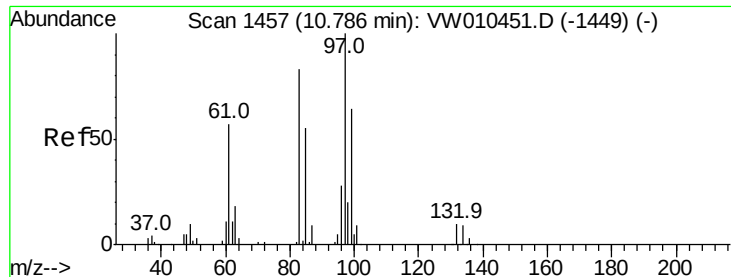
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#54
 cis-1,3-Dichloropropene
 Concen: 52.772 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW010567.D
 Acq: 28 May 2019 15:11

Tgt Ion	75	Resp	124418
Ion Ratio	100	Lower	Upper
77	31.6	25.7	38.5
39	43.2	36.2	54.4





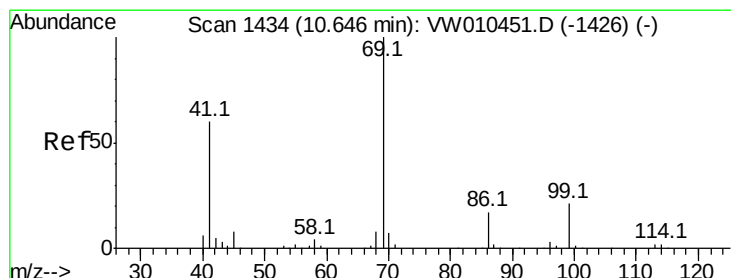
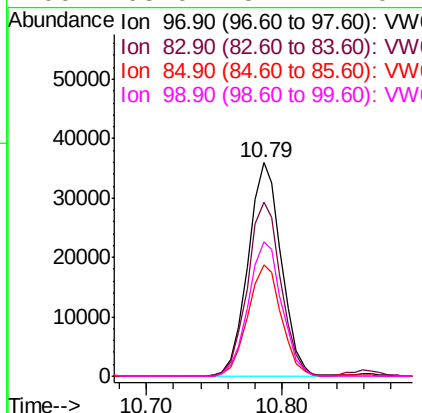
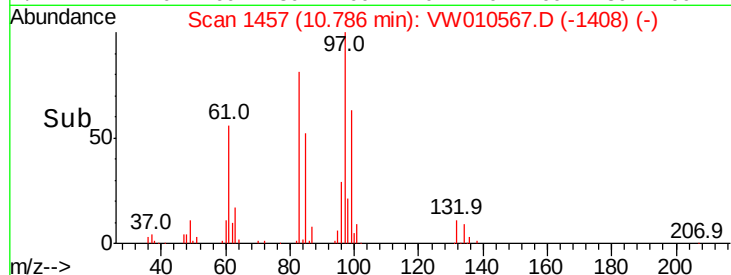
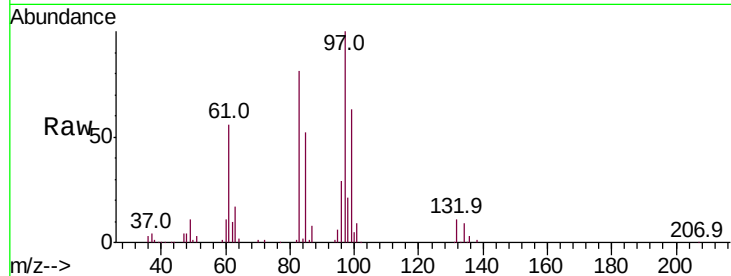
#55
 1,1,2-Trichloroethane
 Concen: 52.831 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW010567.D
 Acq: 28 May 2019 15:11

Instrument :
 MSVOA_W
 ClientSampleId :
 FESB-27(3.5-4)MSD

Tot Ion:	97	Resp:	61623
Ion	Ratio	Lower	Upper
97	100		
83	81.2	66.1	99.1
85	52.3	44.2	66.4
99	63.0	51.1	76.7

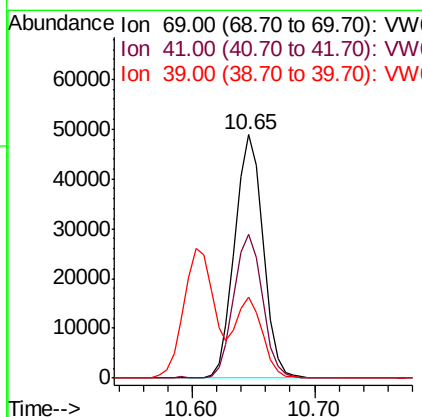
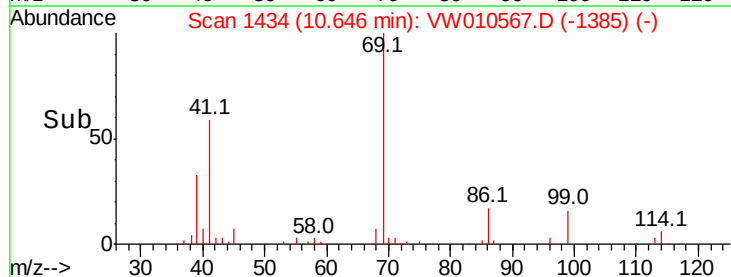
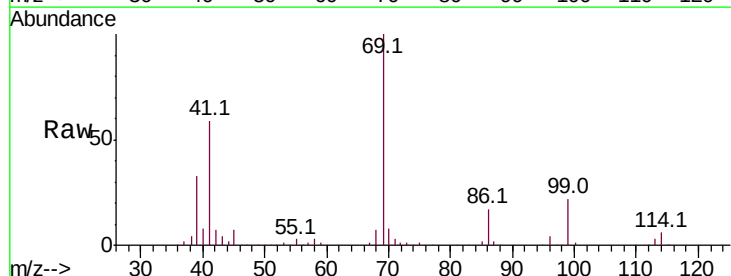
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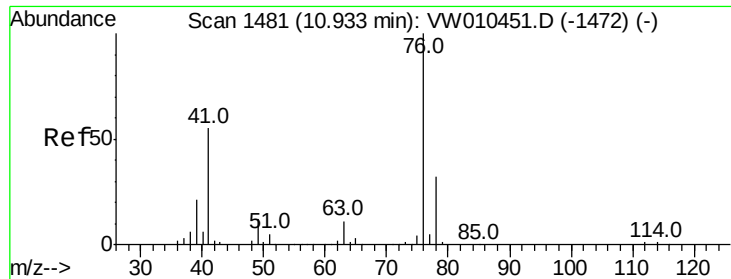
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#56
 Ethyl methacrylate
 Concen: 48.854 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW010567.D
 Acq: 28 May 2019 15:11

Tgt Ion:	69	Resp:	78590
Ion	Ratio	Lower	Upper
69	100		
41	59.4	47.7	71.5
39	30.9	25.3	37.9





#57

1,3-Dichloropropane

Concen: 52.537 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW010567.D

Acq: 28 May 2019 15:11

Instrument :
MSVOA_W

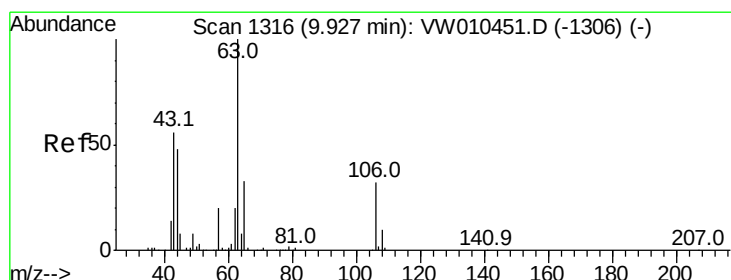
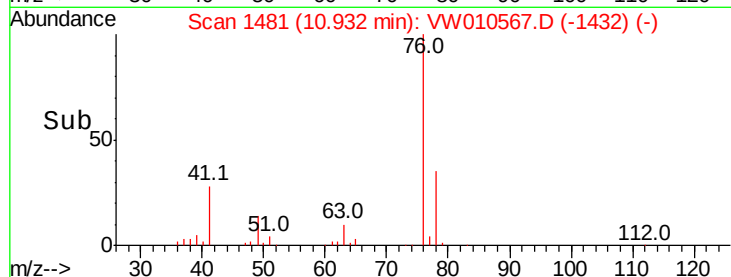
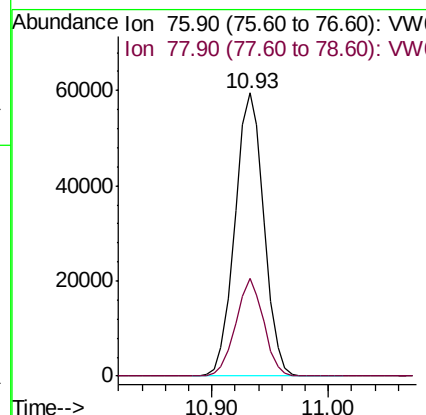
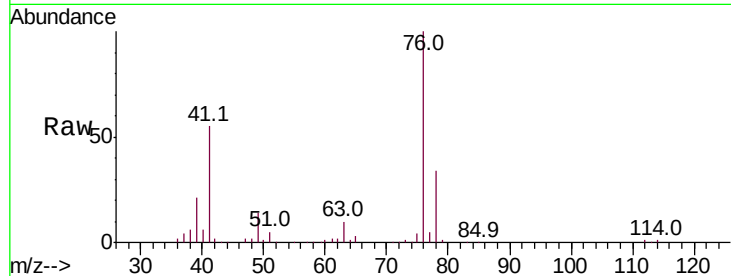
ClientSampleId :
FESB-27(3.5-4)MSD

Tot Ion: 76 Resp: 102648

Ion	Ratio	Lower	Upper
76	100		
78	33.0	26.2	39.2

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#58

2-Chloroethyl Vinyl ether

Concen: 255.305 ug/l

RT: 9.93 min Scan# 1316

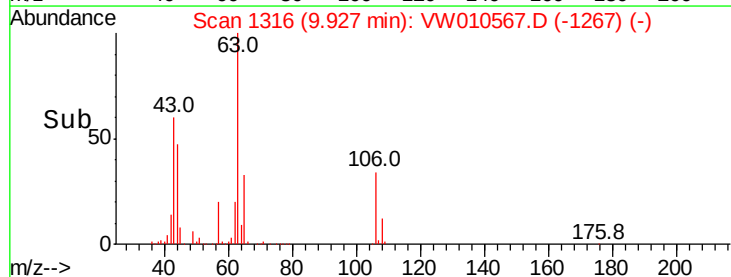
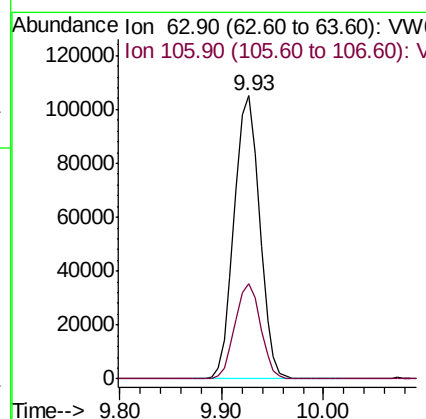
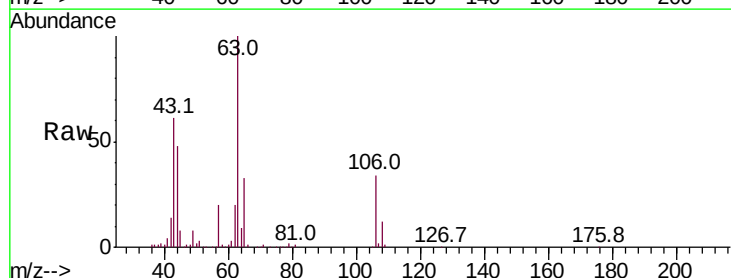
Delta R.T. -0.00 min

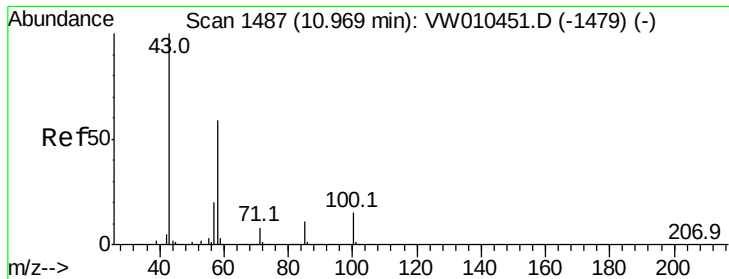
Lab File: VW010567.D

Acq: 28 May 2019 15:11

Tgt Ion: 63 Resp: 181913

Ion	Ratio	Lower	Upper
63	100		
106	33.8	25.8	38.6





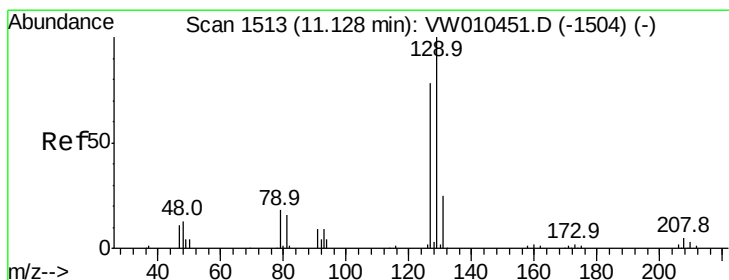
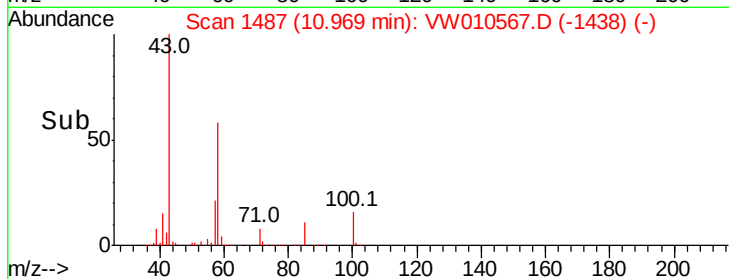
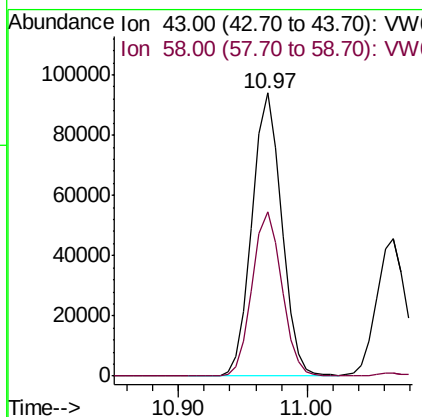
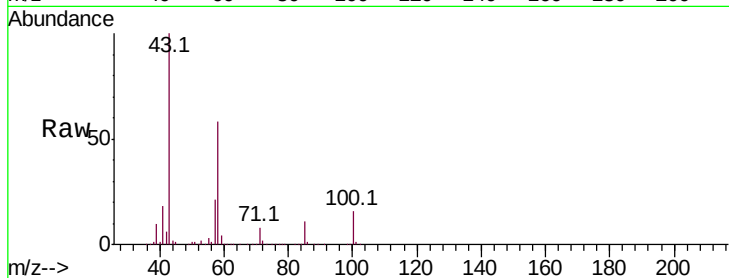
#59
2-Hexanone
Concen: 231.931 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW010567.D
Acq: 28 May 2019 15:11

Instrument :
MSVOA_W
ClientSampleId :
FESB-27(3.5-4)MSD

Tot Ion: 43 Resp: 149648
Ion Ratio Lower Upper
43 100
58 58.2 28.9 86.8

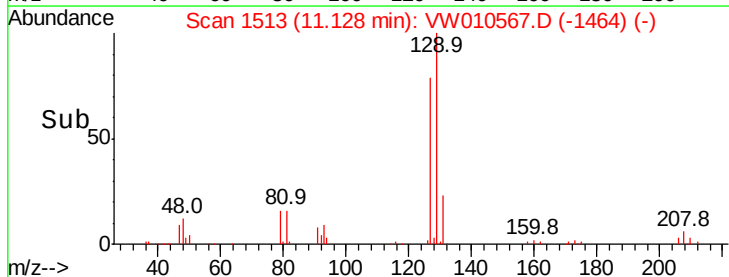
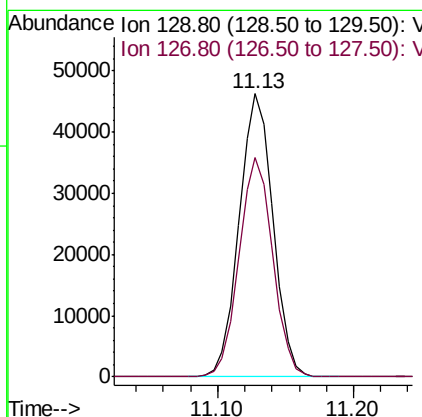
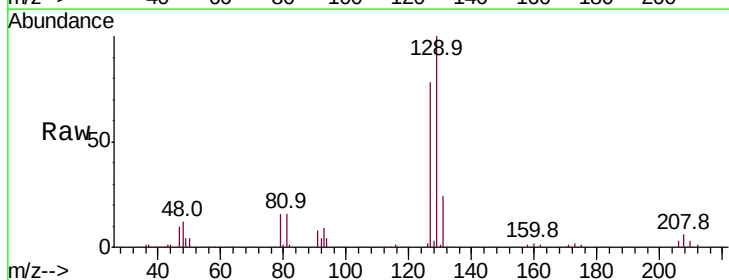
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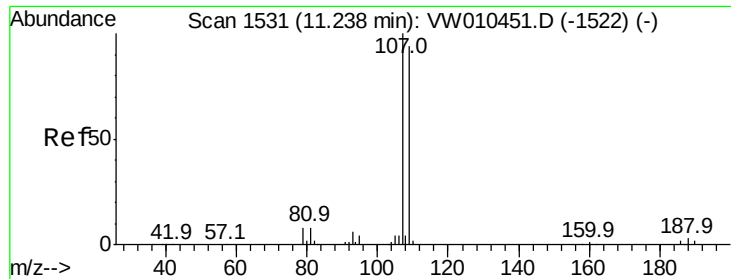
MMDadoda
5/29/2019 11:05:46 AM



#60
Dibromochloromethane
Concen: 54.422 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW010567.D
Acq: 28 May 2019 15:11

Tgt Ion: 129 Resp: 80339
Ion Ratio Lower Upper
129 100
127 77.2 38.9 116.7





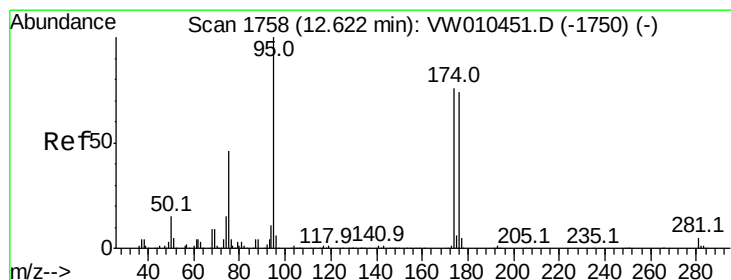
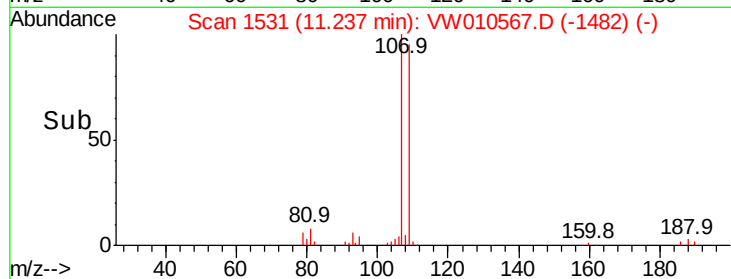
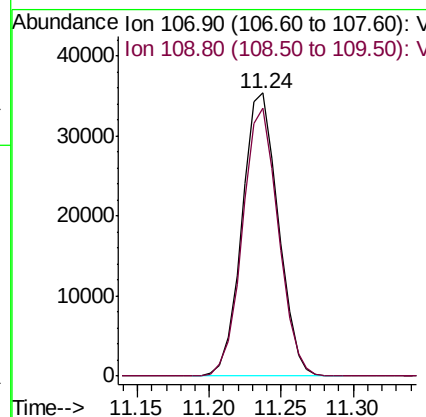
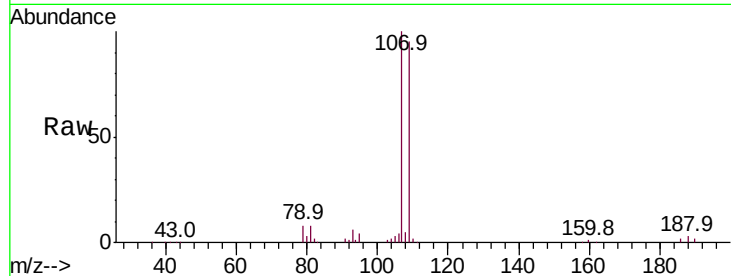
#61
 1,2-Dibromoethane
 Concen: 52.291 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW010567.D
 Acq: 28 May 2019 15:11

Instrument :
 MSVOA_W
 ClientSampleId :
 FESB-27(3.5-4)MSD

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.4	75.0	112.4

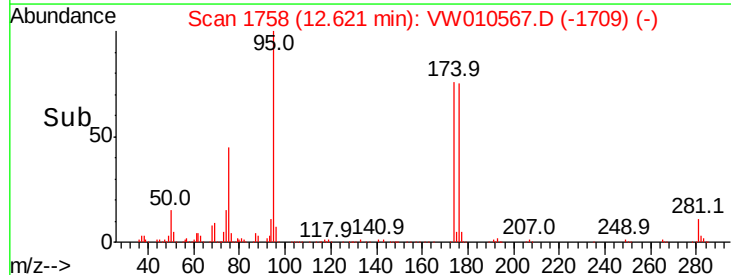
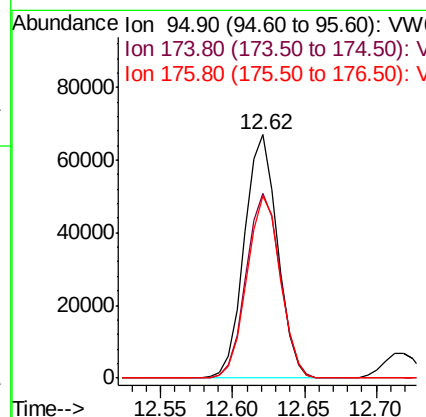
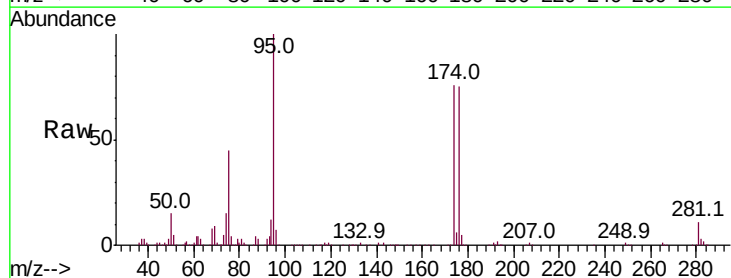
Manual Integrations
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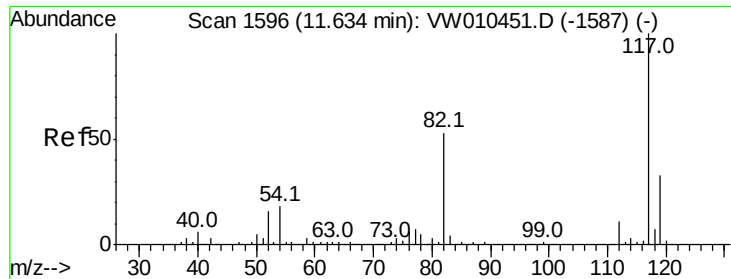
MMDadoda
 5/29/2019 11:05:46 AM



#62
 4-Bromofluorobenzene
 Concen: 51.208 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW010567.D
 Acq: 28 May 2019 15:11

Tgt Ion	Ratio	Lower	Upper
95	100		
174	77.7	0.0	148.6
176	75.5	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: VW010567.D

Acq: 28 May 2019 15:11

Instrument :

MSVOA_W

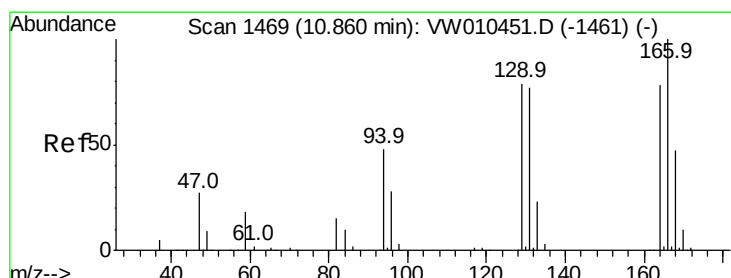
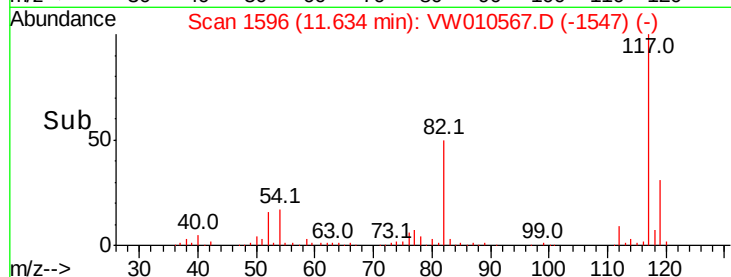
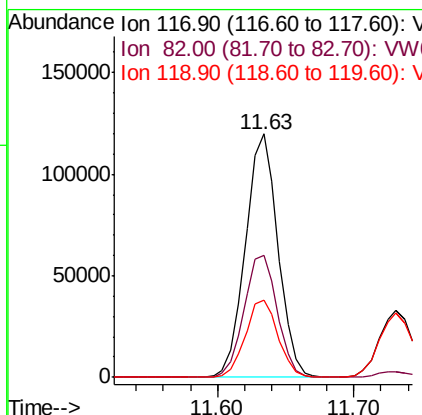
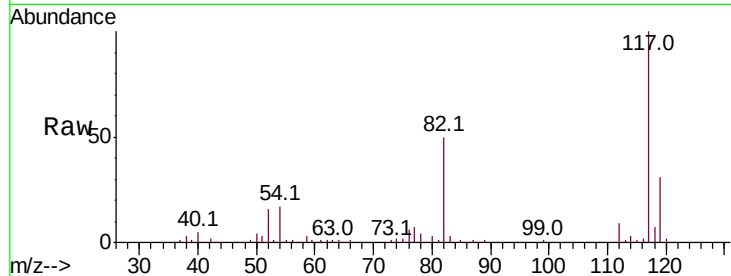
ClientSampleId :

FESB-27(3.5-4)MSD

Tot Ion:	117	Resp:	200472
Ion Ratio	Lower	Upper	
117	100		
82	49.9	42.8	64.2
119	31.5	26.3	39.5

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#64

Tetrachloroethene

Concen: 54.607 ug/l

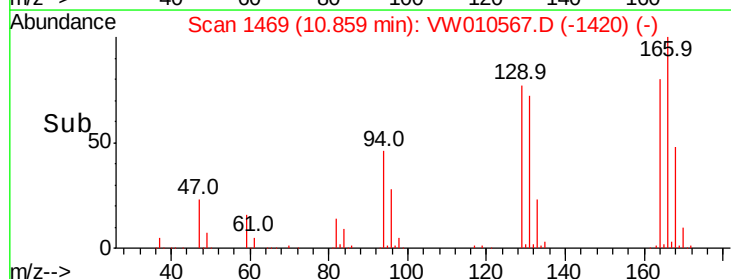
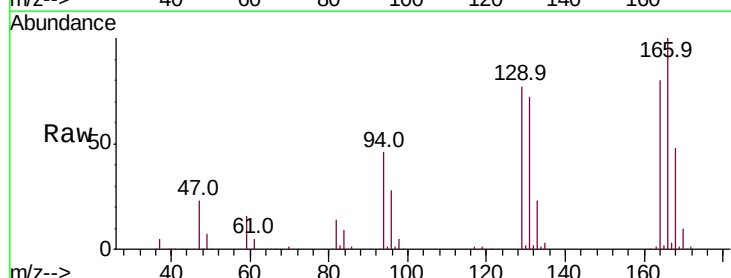
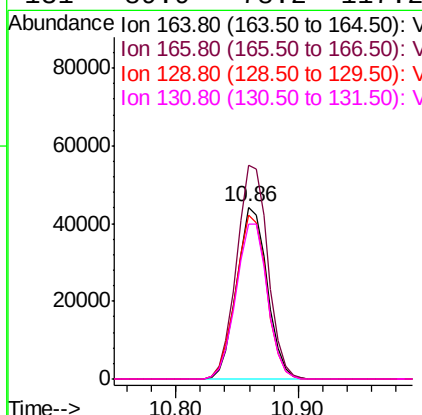
RT: 10.86 min Scan# 1469

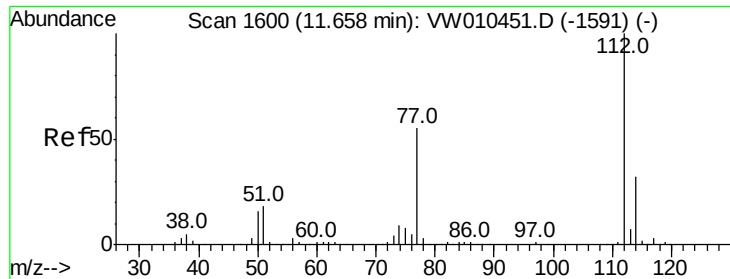
Delta R.T. -0.00 min

Lab File: VW010567.D

Acq: 28 May 2019 15:11

Tgt Ion:	164	Resp:	76312
Ion Ratio	Lower	Upper	
164	100		
166	124.4	101.9	152.9
129	95.2	80.6	121.0
131	89.9	78.2	117.2





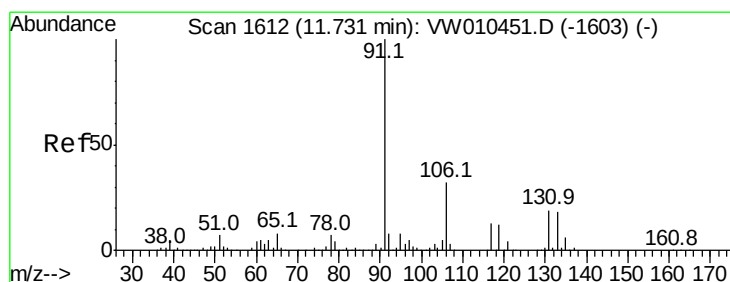
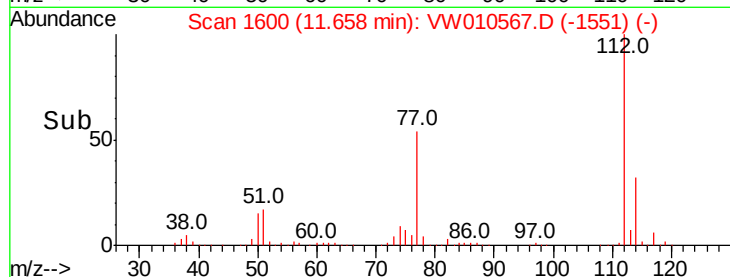
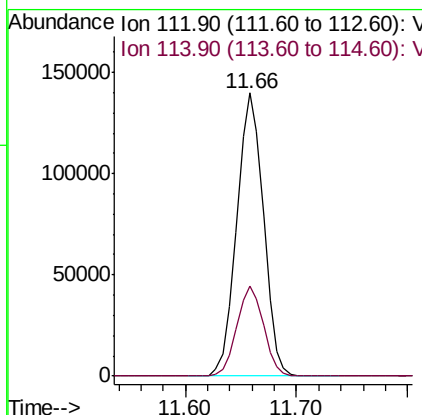
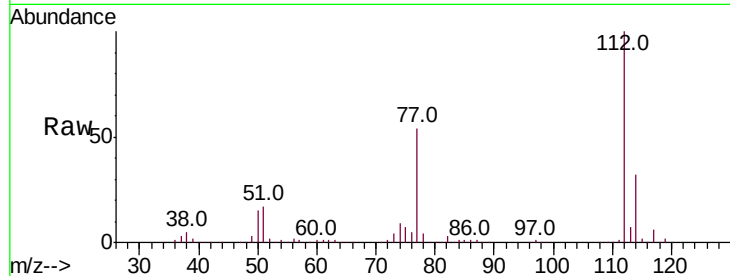
#65
Chlorobenzene
Concen: 54.239 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW010567.D
Acq: 28 May 2019 15:11

Instrument :
MSVOA_W
ClientSampleId :
FESB-27(3.5-4)MSD

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.0	25.3	37.9

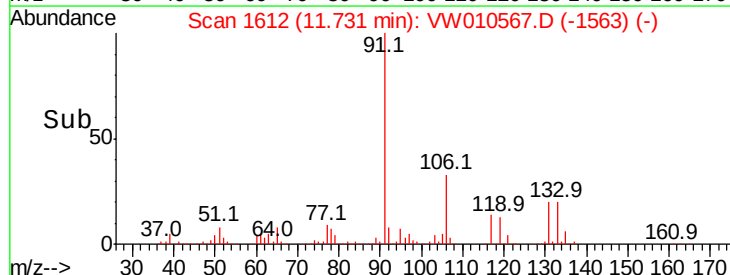
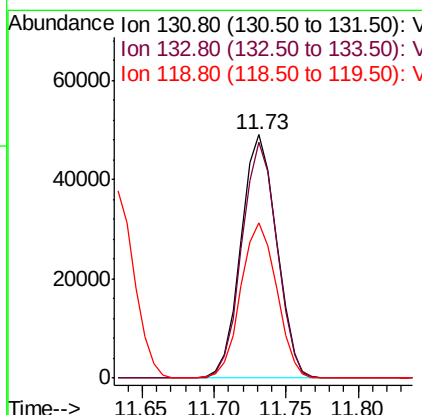
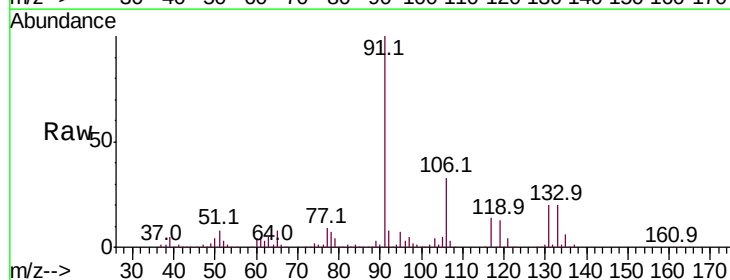
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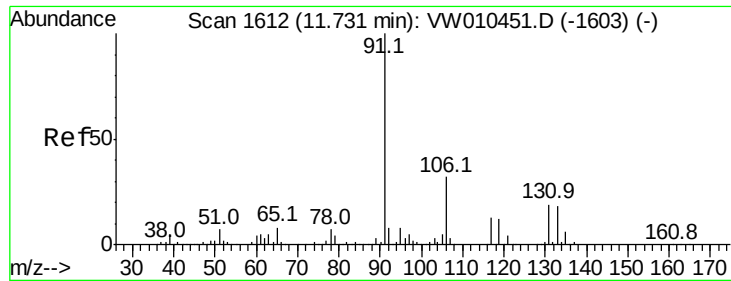
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#66
1,1,1,2-Tetrachloroethane
Concen: 55.100 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010567.D
Acq: 28 May 2019 15:11

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.4	47.3	141.9
119	64.3	32.1	96.5





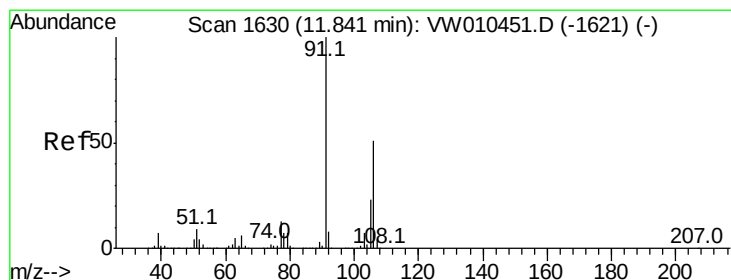
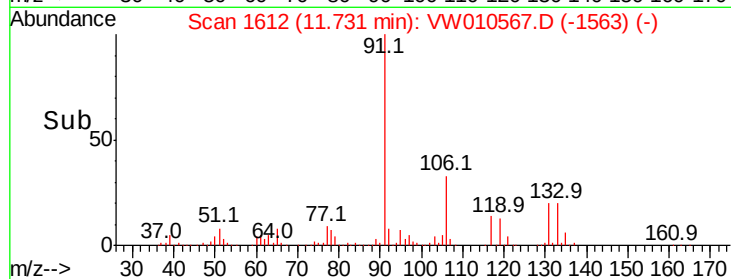
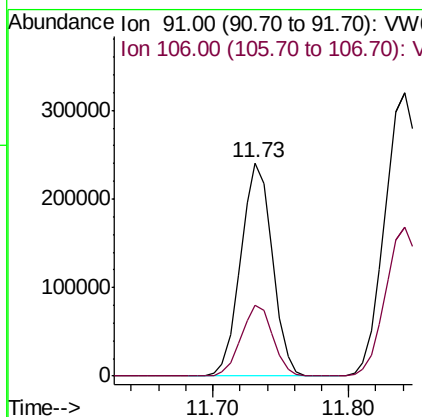
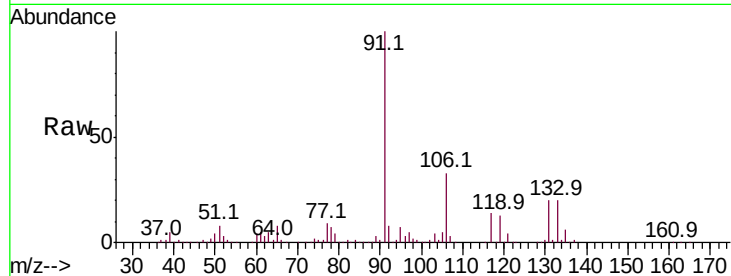
#67
Ethyl Benzene
Concen: 51.860 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010567.D
Acq: 28 May 2019 15:11

Instrument :
MSVOA_W
ClientSampleId :
FESB-27(3.5-4)MSD

Tot Ion	Ratio	Resp	Lower	Upper
91	100	391193		
106	33.3	25.9	38.9	

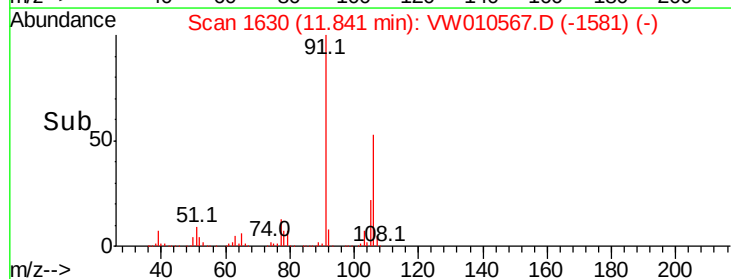
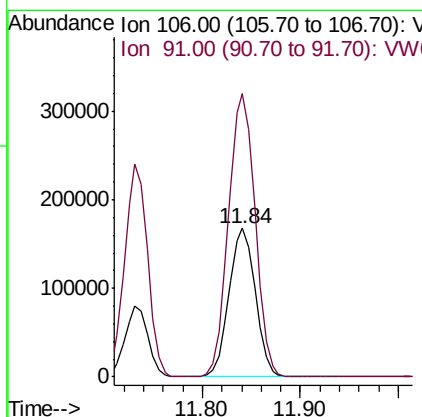
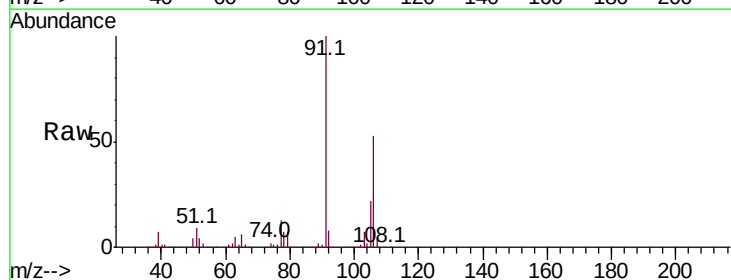
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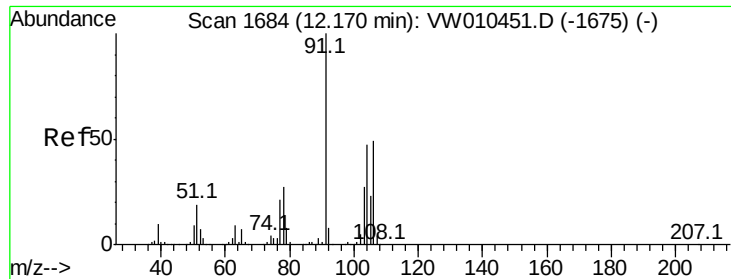
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#68
m/p-Xylenes
Concen: 105.597 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW010567.D
Acq: 28 May 2019 15:11

Tgt Ion	Ratio	Resp	Lower	Upper
106	100	312434		
91	193.5	156.0	234.0	





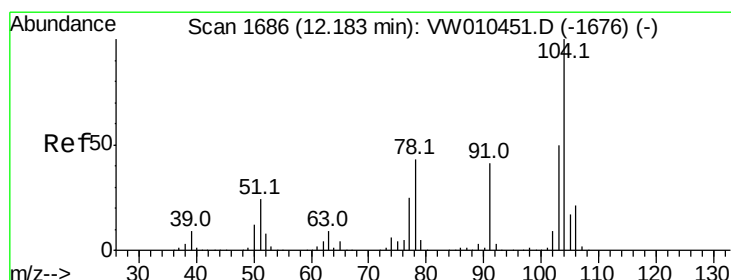
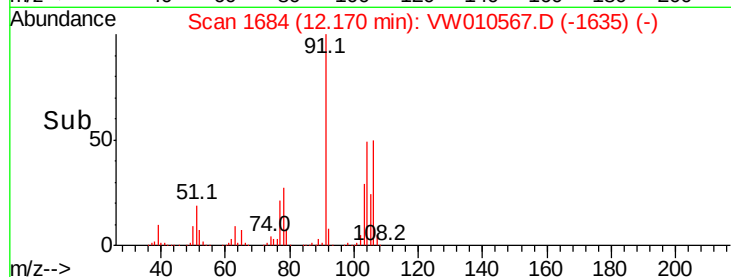
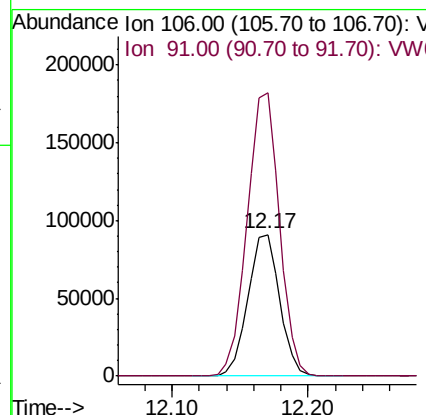
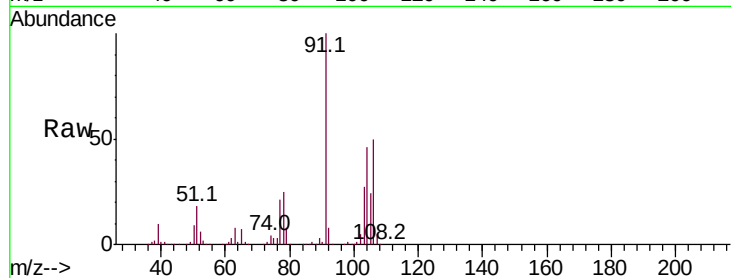
#69
o-Xylene
Concen: 52.991 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW010567.D
Acq: 28 May 2019 15:11

Instrument :
MSVOA_W
ClientSampleId :
FESB-27(3.5-4)MSD

Tot Ion	Ratio	Lower	Upper
106	100		
91	203.9	103.2	309.4

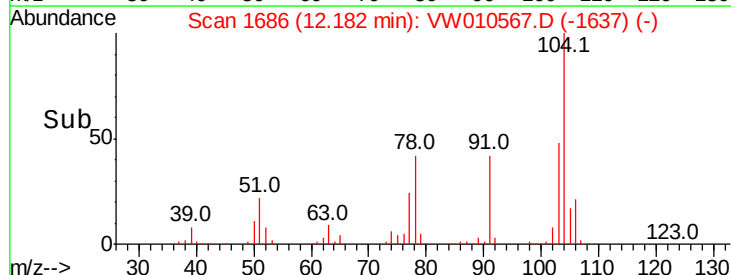
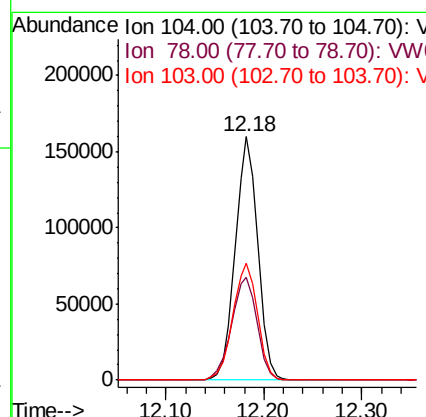
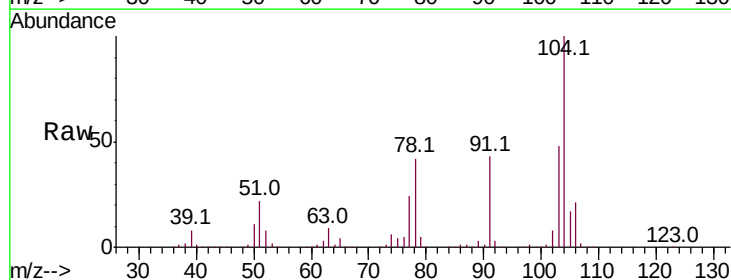
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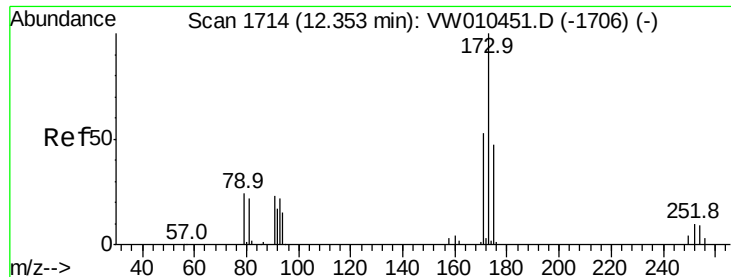
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#70
Styrene
Concen: 53.408 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW010567.D
Acq: 28 May 2019 15:11

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.9	39.0	58.4
103	52.8	43.0	64.6





#71

Bromoform

Concen: 53.873 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW010567.D

Acq: 28 May 2019 15:11

Instrument :

MSVOA_W

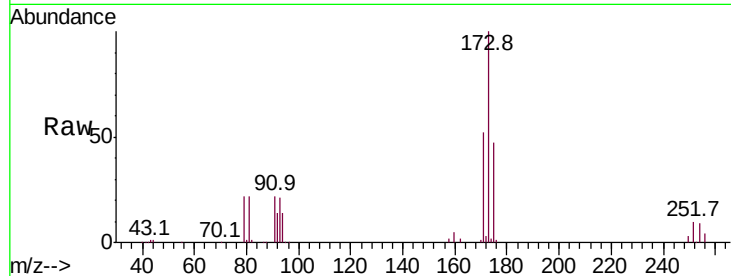
ClientSampleId :

FESB-27(3.5-4)MSD

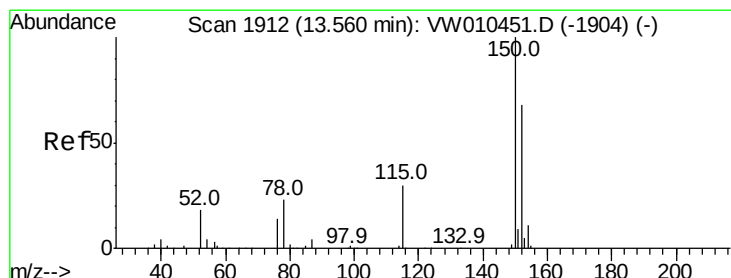
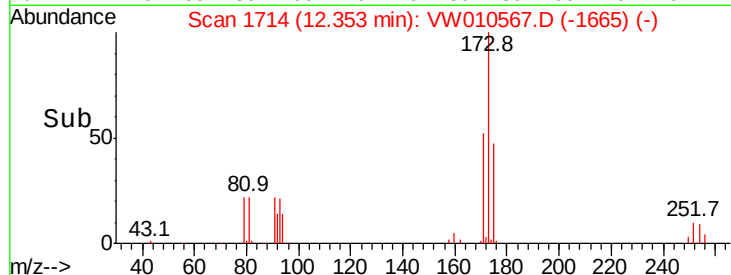
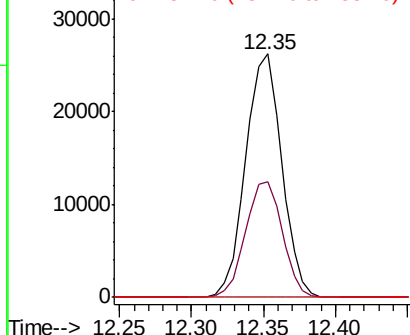
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.4	24.4	73.4
254	0.0	0.0	0.0

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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

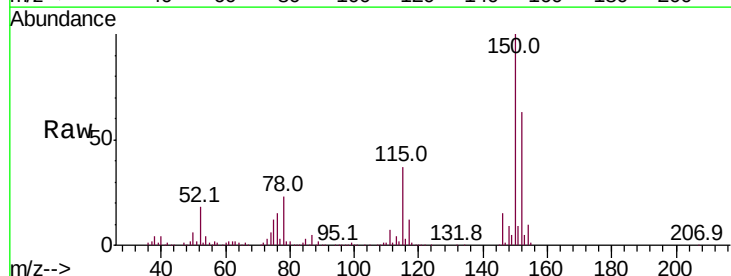
RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

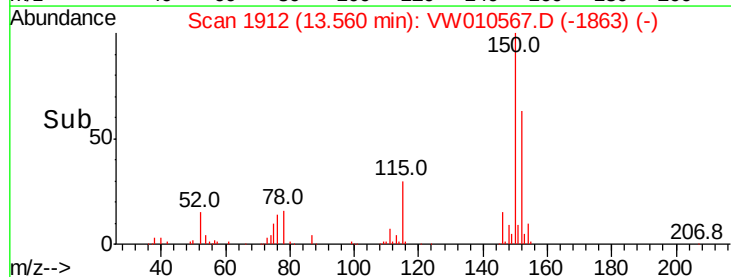
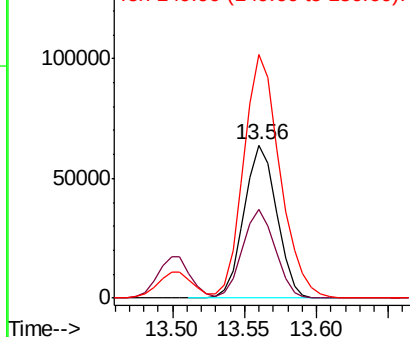
Lab File: VW010567.D

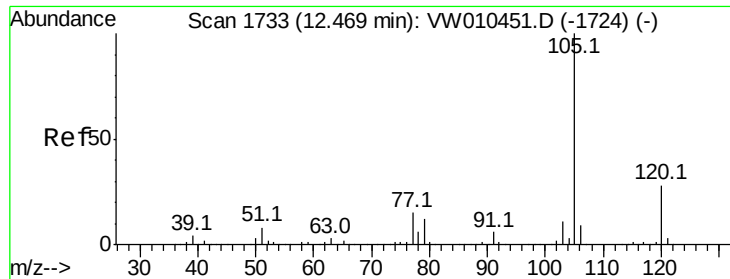
Acq: 28 May 2019 15:11

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.8	30.3	91.0
150	176.1	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: 49.507 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW010567.D

Acq: 28 May 2019 15:11

Instrument :

MSVOA_W

ClientSampleId :

FESB-27(3.5-4)MSD

Tot Ion:105 Resp: 395616

Ion Ratio Lower Upper

105 100

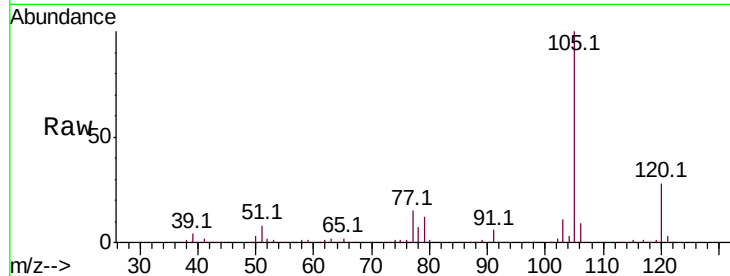
120 28.1 13.9 41.7

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

250000

200000

150000

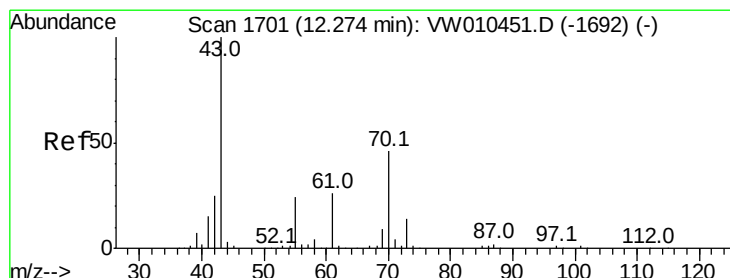
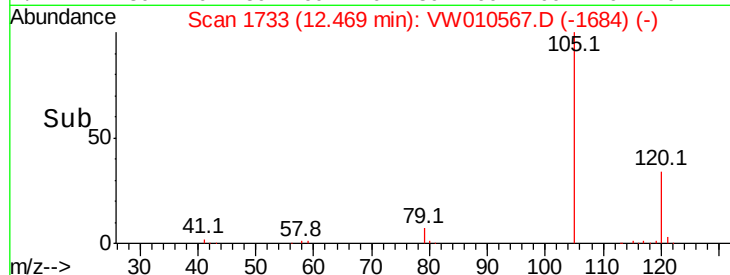
100000

50000

0

12.40 12.47 12.50

Time-->



#74

N-ethyl acetate

Concen: 43.543 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW010567.D

Acq: 28 May 2019 15:11

Tgt Ion: 43 Resp: 79737

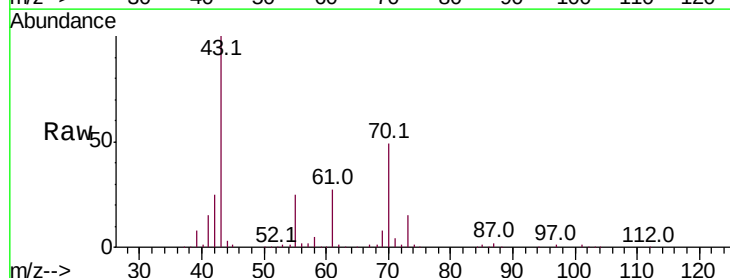
Ion Ratio Lower Upper

43 100

70 48.2 37.1 55.7

55 25.2 19.6 29.4

61 26.0 20.7 31.1



Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV

80000

60000

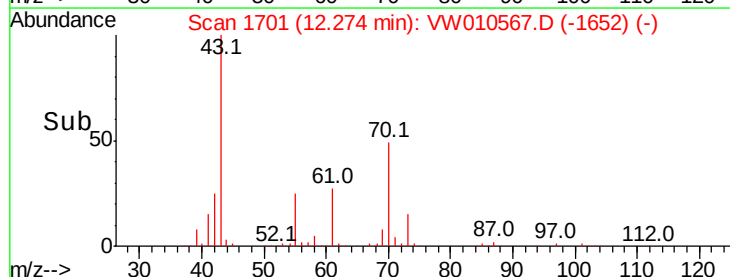
40000

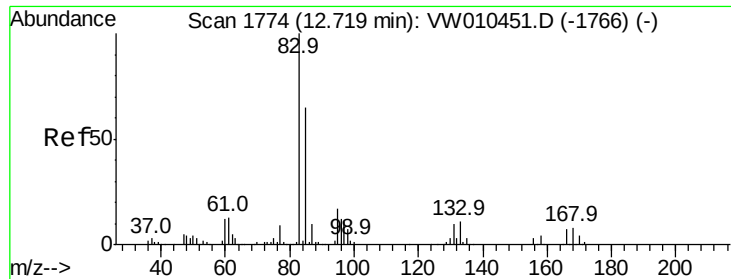
20000

0

12.20 12.27 12.40

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 47.395 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW010567.D

Acq: 28 May 2019 15:11

Instrument :

MSVOA_W

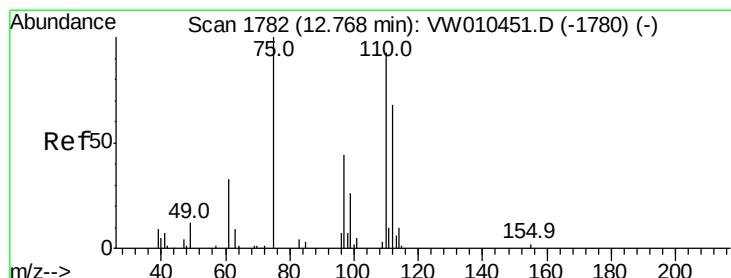
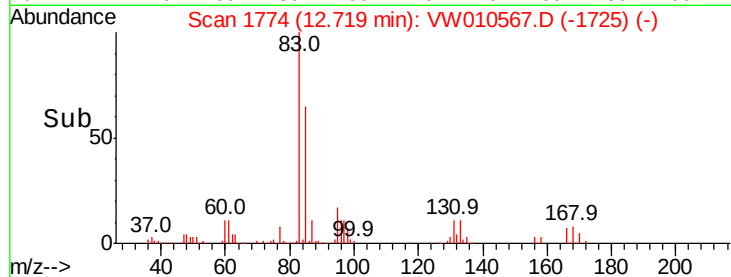
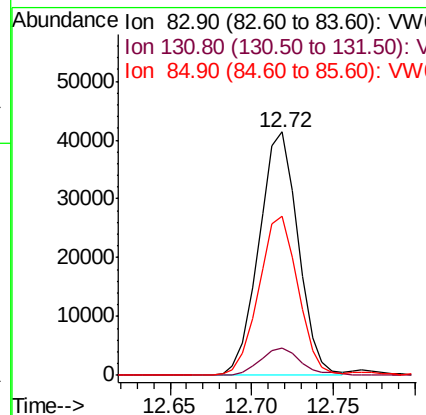
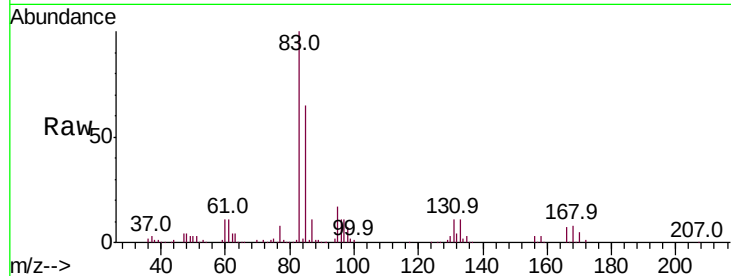
ClientSampleId :

FESB-27(3.5-4)MSD

Tot Ion:	83	Resp:	68889
Ion Ratio	Lower	Upper	
83	100		
131	11.7	5.6	16.8
85	65.2	32.4	97.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 47.463 ug/l m

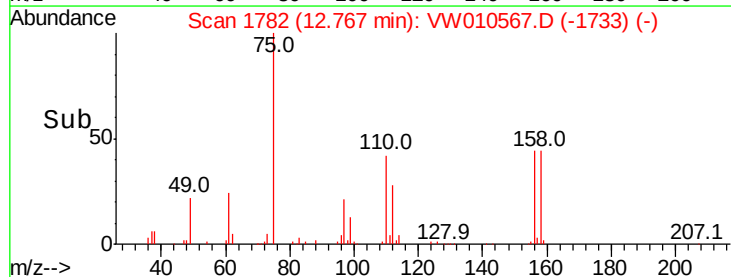
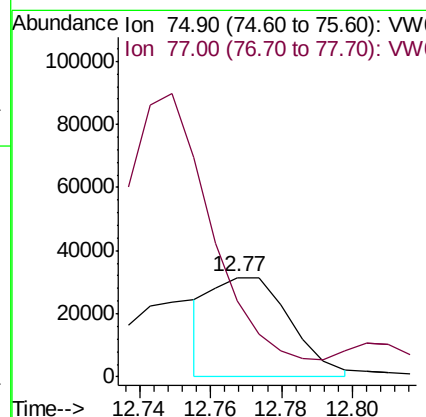
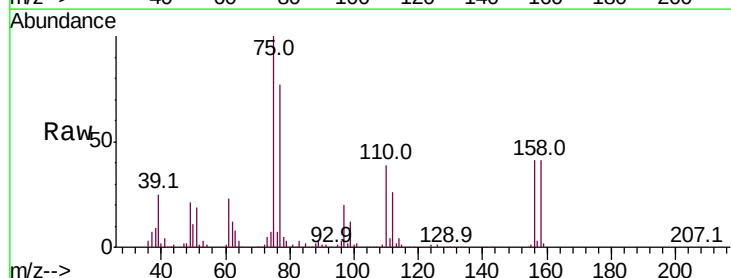
RT: 12.77 min Scan# 1782

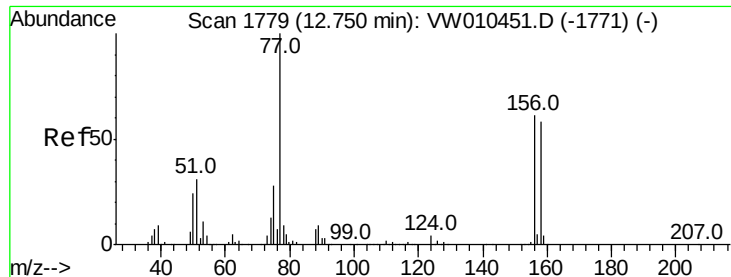
Delta R.T. -0.00 min

Lab File: VW010567.D

Acq: 28 May 2019 15:11

Tgt Ion:	75	Resp:	48517
Ion Ratio	Lower	Upper	
75	100		
77	342.5	170.0	510.1





#77

Bromobenzene

Concen: 54.285 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW010567.D

Acq: 28 May 2019 15:11

Instrument :

MSVOA_W

ClientSampleId :

FESB-27(3.5-4)MSD

Tot Ion:156 Resp: 97078

Ion Ratio Lower Upper

156 100

77 171.2 92.4 277.2

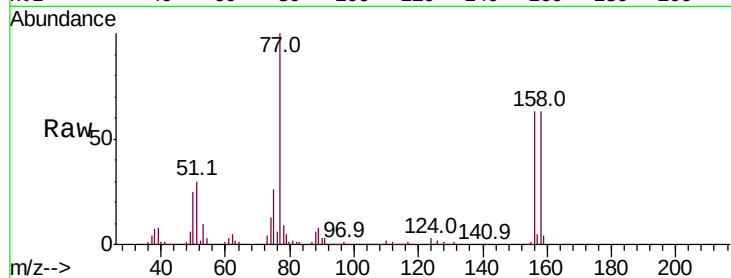
158 96.9 48.3 144.8

Manual Integrations

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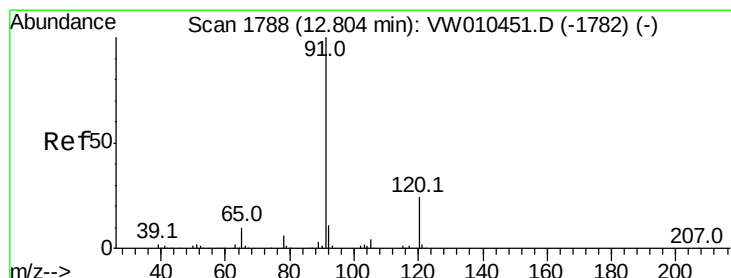
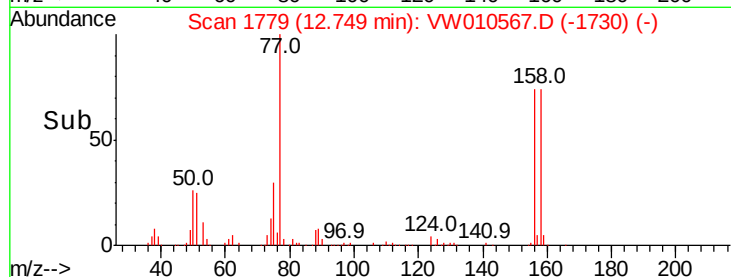
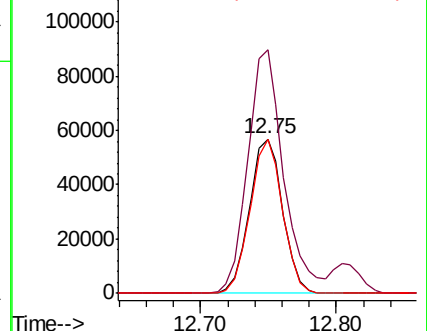
5/29/2019 11:05:46 AM



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: 48.719 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW010567.D

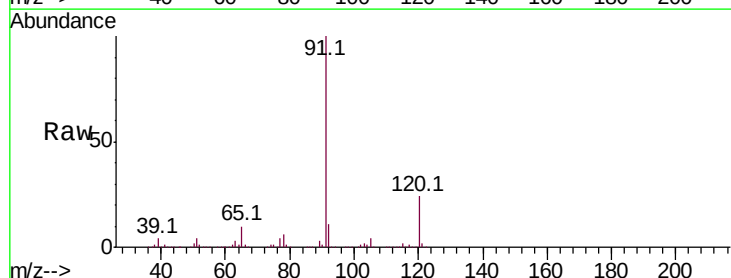
Acq: 28 May 2019 15:11

Tgt Ion: 91 Resp: 453709

Ion Ratio Lower Upper

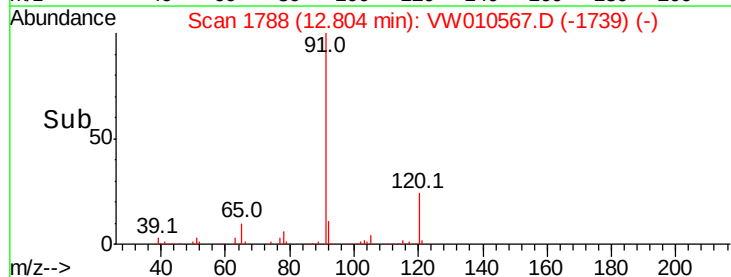
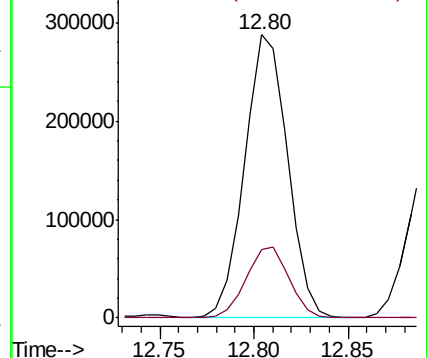
91 100

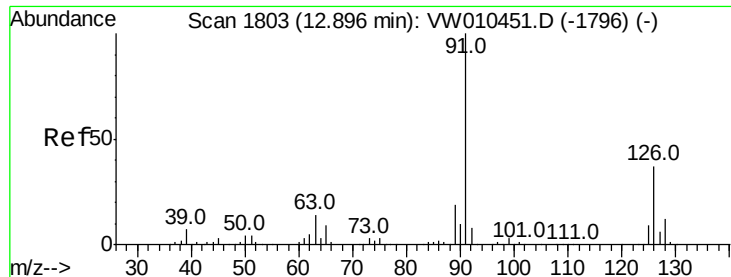
120 24.9 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.453 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW010567.D

Acq: 28 May 2019 15:11

Instrument :

MSVOA_W

ClientSampleId :

FESB-27(3.5-4)MSD

Tot Ion: 91 Resp: 267078

Ion Ratio Lower Upper

91 100

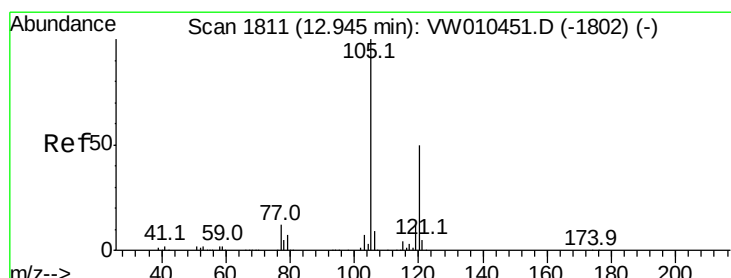
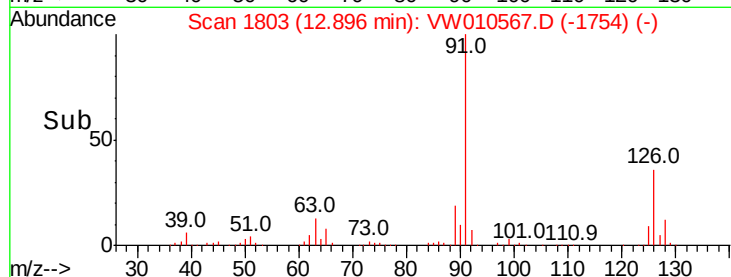
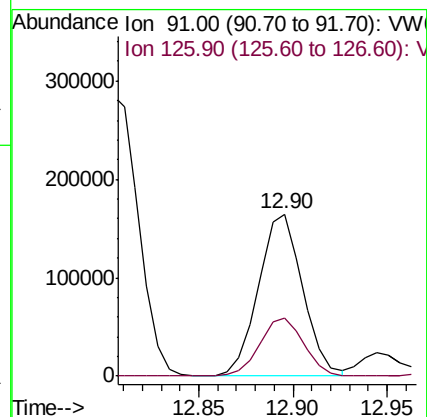
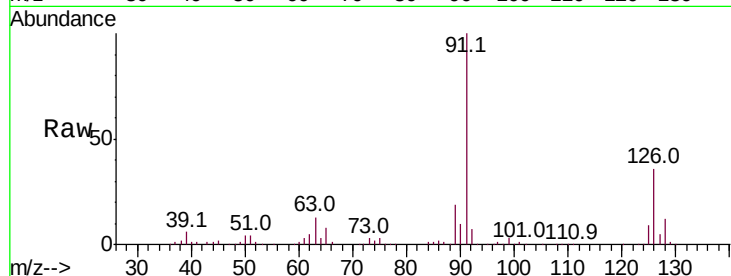
126 36.0 17.4 52.3

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 50.210 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW010567.D

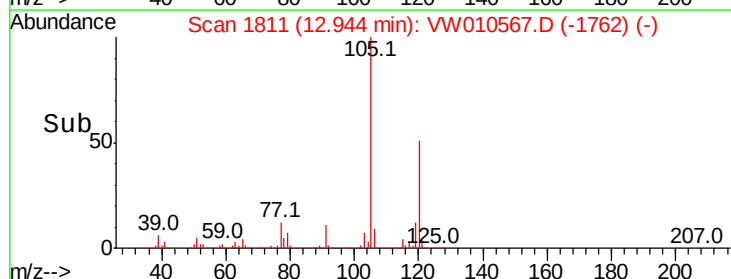
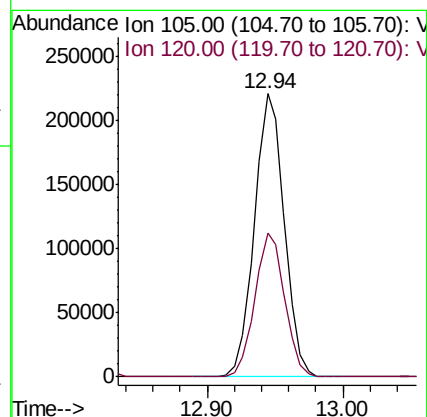
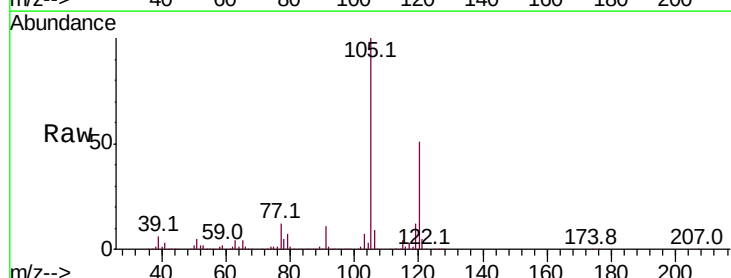
Acq: 28 May 2019 15:11

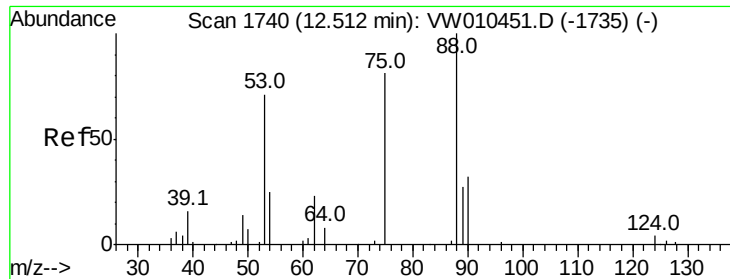
Tgt Ion:105 Resp: 339827

Ion Ratio Lower Upper

105 100

120 50.7 25.2 75.6





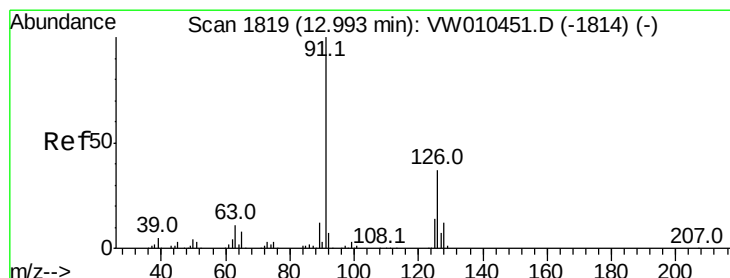
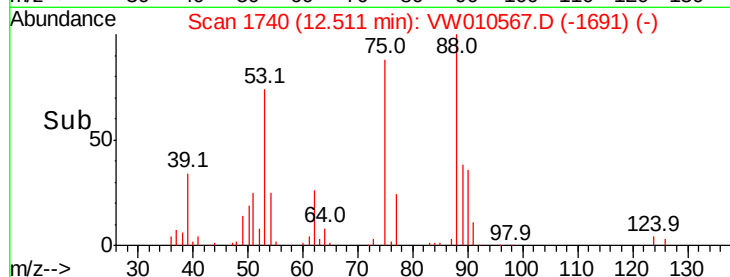
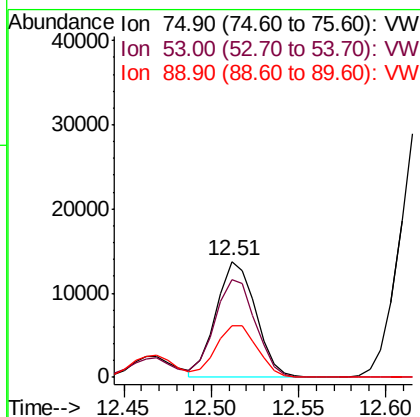
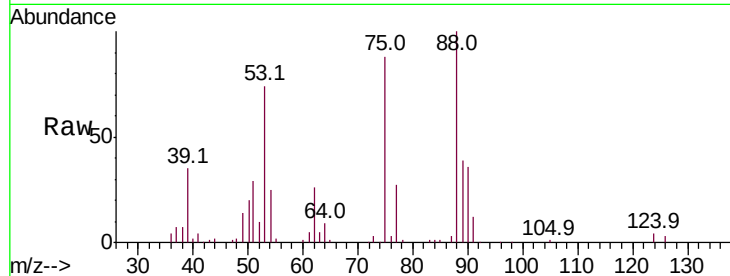
#81
trans-1,4-Dichloro-2-butene
Concen: 44.519 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW010567.D
Acq: 28 May 2019 15:11

Instrument :
MSVOA_W
ClientSampleId :
FESB-27(3.5-4)MSD

Tot Ion	Ratio	Lower	Upper
75	100		
53	86.8	69.8	104.8
89	46.6	39.5	59.3

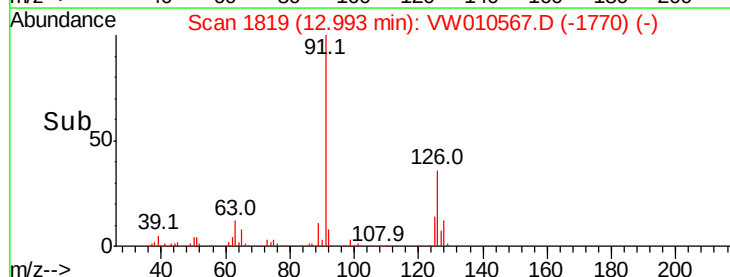
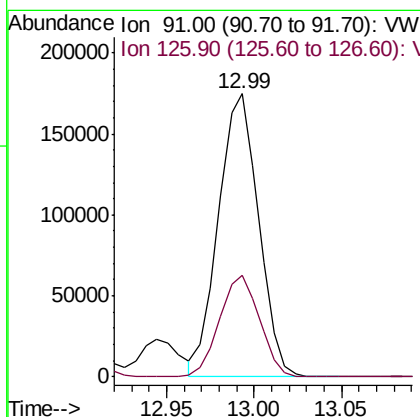
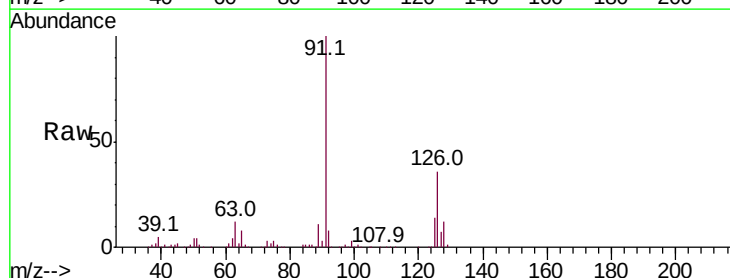
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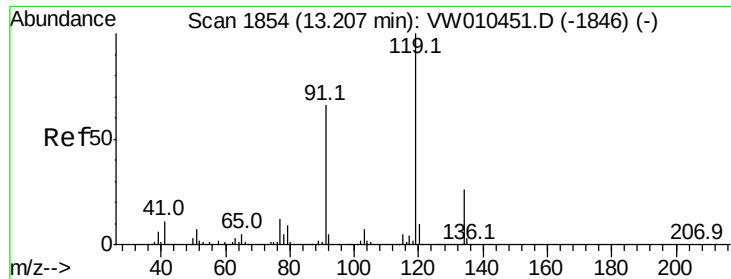
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#82
4-Chlorotoluene
Concen: 49.635 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. -0.00 min
Lab File: VW010567.D
Acq: 28 May 2019 15:11

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.0	17.5	52.6





#83

tert-Butylbenzene

Concen: 51.252 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VW010567.D

Acq: 28 May 2019 15:11

Instrument :

MSVOA_W

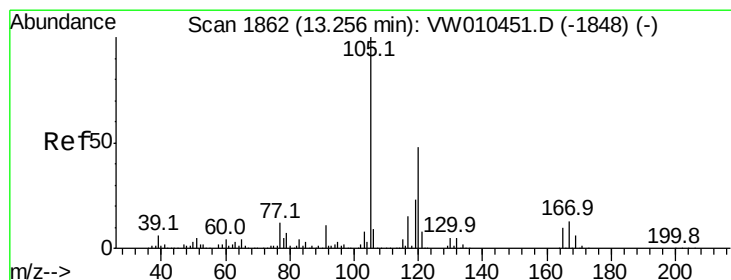
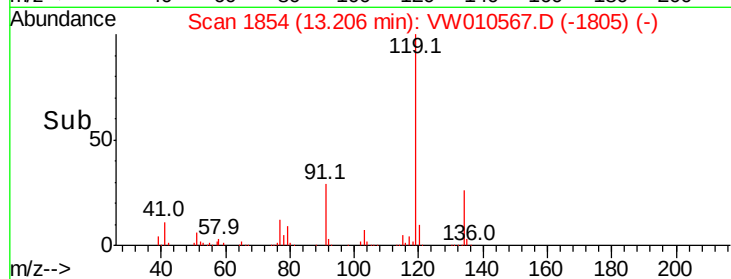
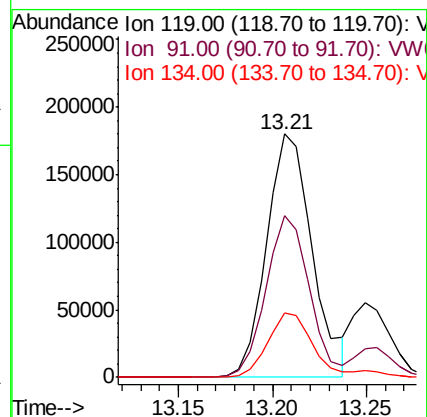
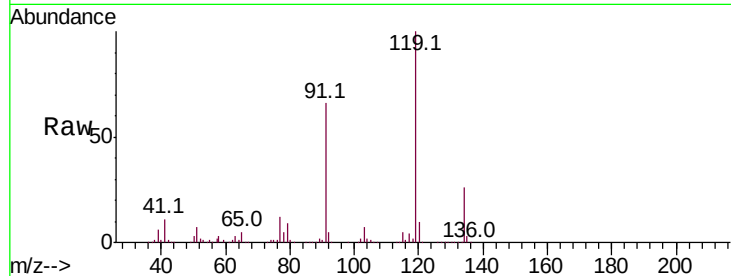
ClientSampleId :

FESB-27(3.5-4)MSD

Tot Ion:	119	Resp:	303000
Ion Ratio	Lower	Upper	
119	100		
91	63.1	33.1	99.5
134	27.4	13.9	41.6

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 49.782 ug/l

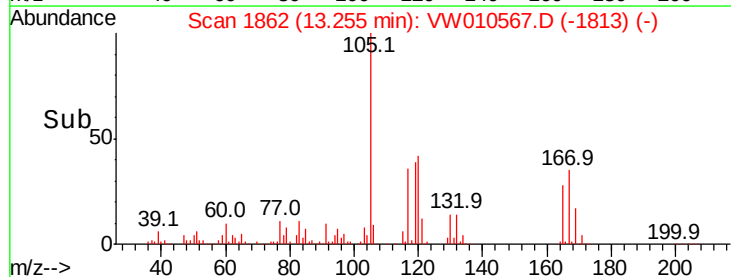
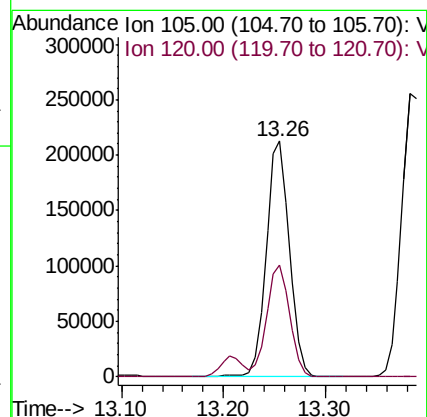
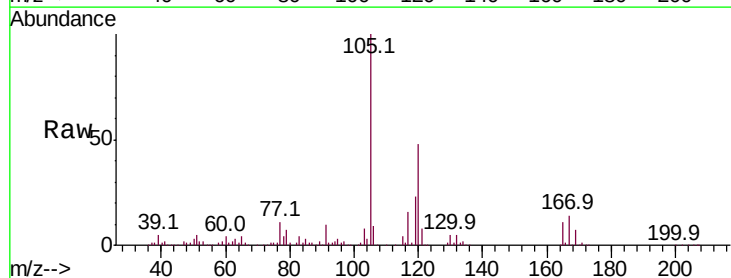
RT: 13.26 min Scan# 1862

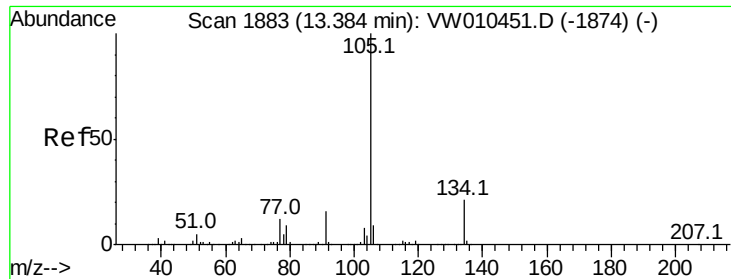
Delta R.T. -0.00 min

Lab File: VW010567.D

Acq: 28 May 2019 15:11

Tgt Ion:	105	Resp:	335569
Ion Ratio	Lower	Upper	
105	100		
120	47.2	23.4	70.2





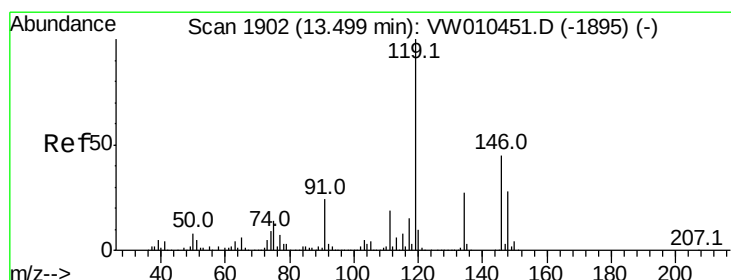
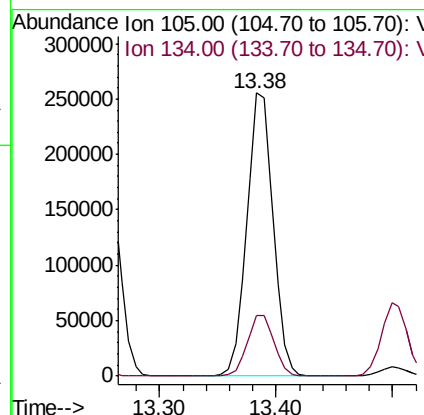
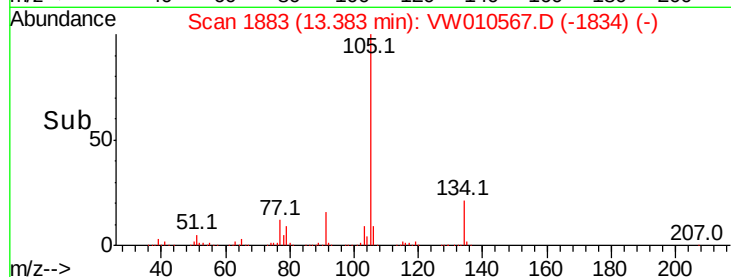
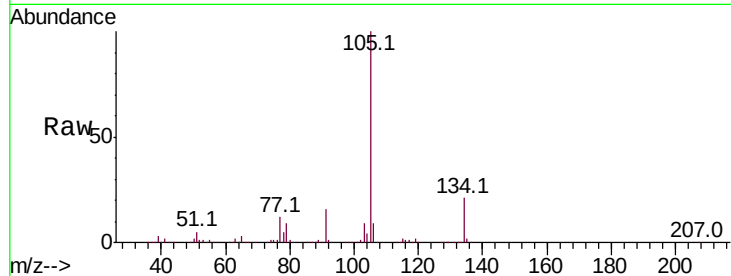
#85
 sec-Butylbenzene
 Concen: 48.700 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW010567.D
 Acq: 28 May 2019 15:11

Instrument :
 MSVOA_W
 ClientSampleId :
 FESB-27(3.5-4)MSD

Tot Ion	Ratio	Resp	Lower	Upper
105	100	402915		
134	21.9	10.5	31.6	

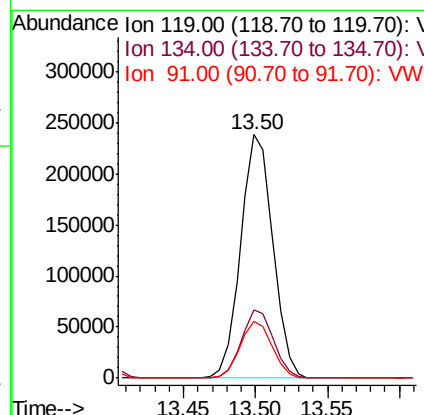
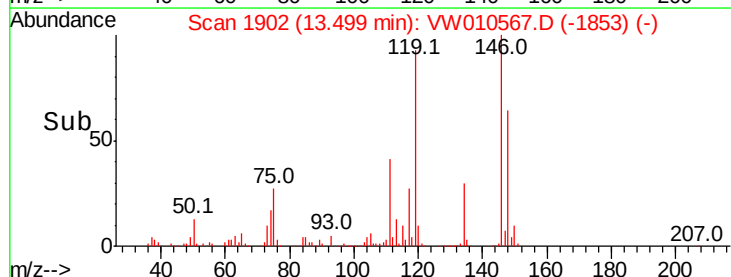
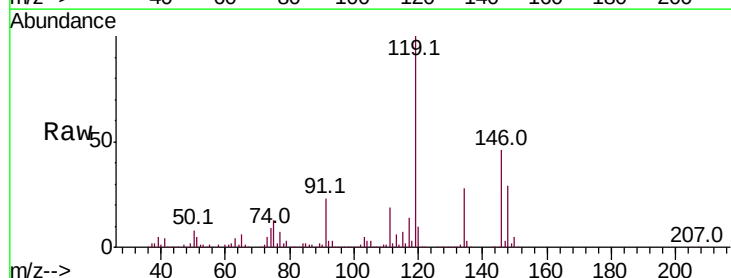
Manual Integrations
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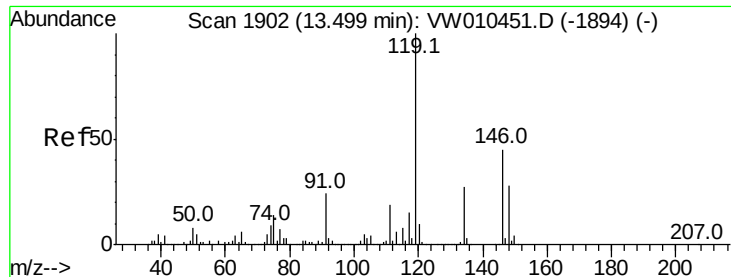
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#86
 p-Isopropyltoluene
 Concen: 49.274 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW010567.D
 Acq: 28 May 2019 15:11

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	368987		
134	27.8	13.6	40.7	
91	23.3	11.9	35.7	





#87

1,3-Dichlorobenzene

Concen: 51.870 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW010567.D

Acq: 28 May 2019 15:11

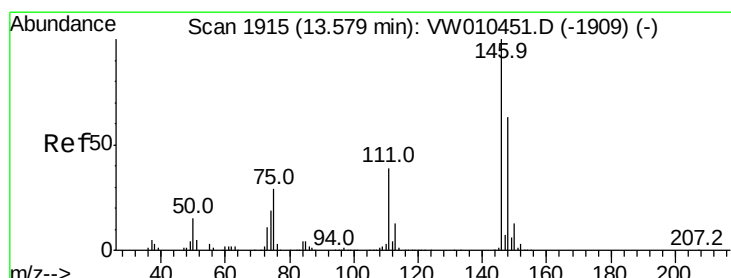
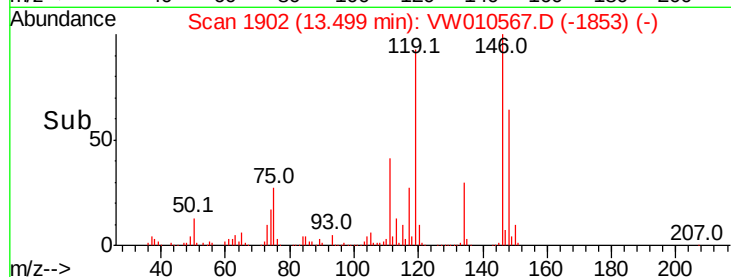
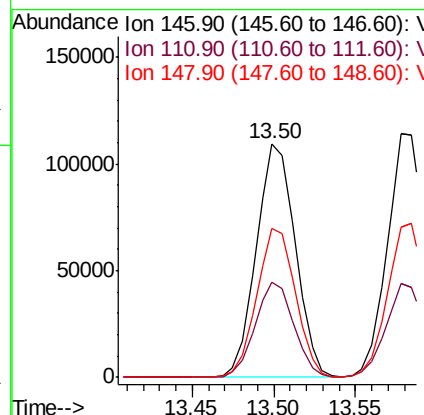
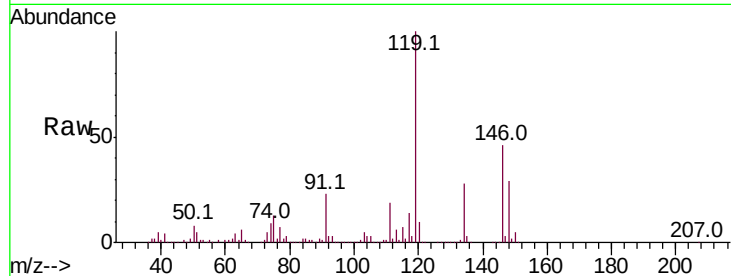
Instrument :
MSVOA_W

ClientSampleId :
FESB-27(3.5-4)MSD

Tot Ion	Ratio	Resp	Lower	Upper
146	100	181984		
111	40.2	20.3	60.9	
148	63.3	31.6	94.8	

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 52.629 ug/l

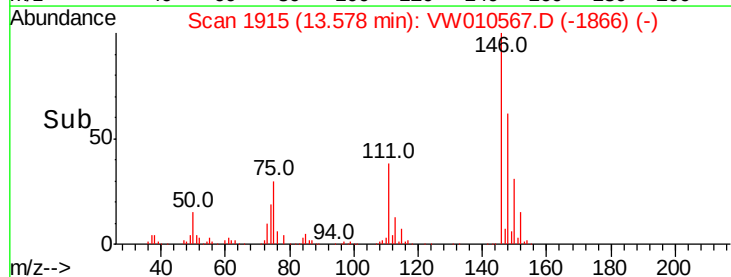
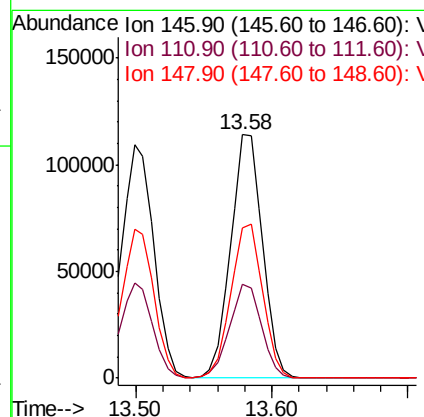
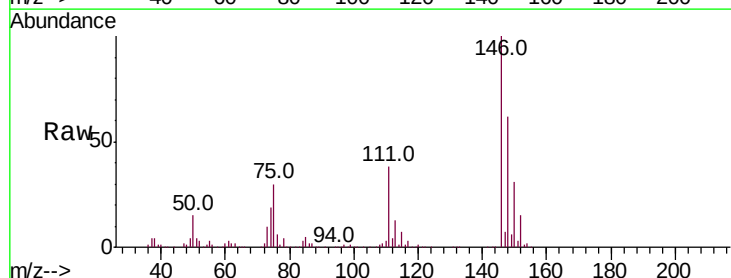
RT: 13.58 min Scan# 1915

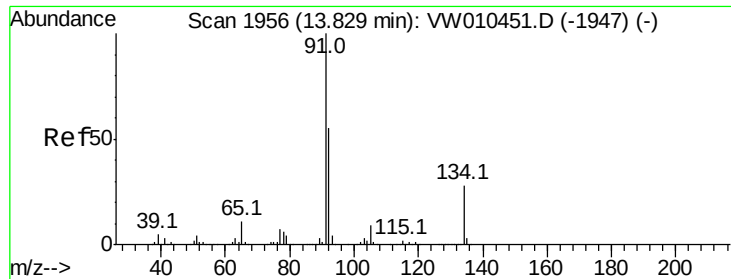
Delta R.T. -0.00 min

Lab File: VW010567.D

Acq: 28 May 2019 15:11

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	185263		
111	38.7	19.9	59.6	
148	63.3	31.6	94.8	





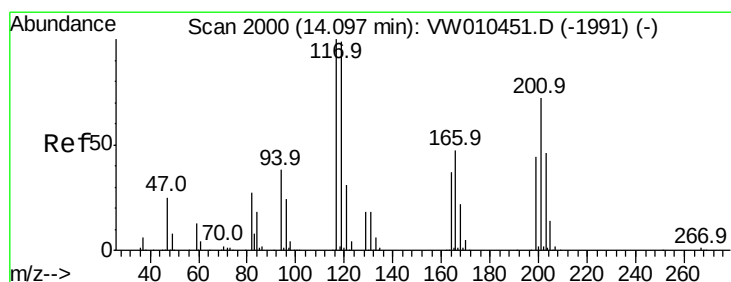
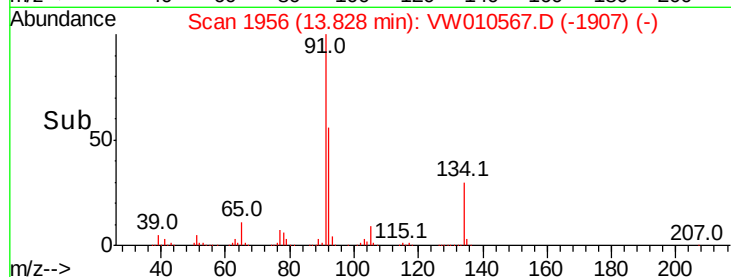
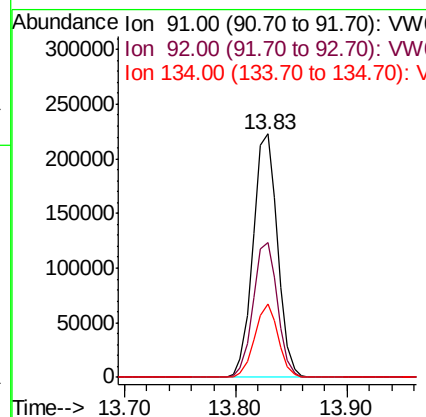
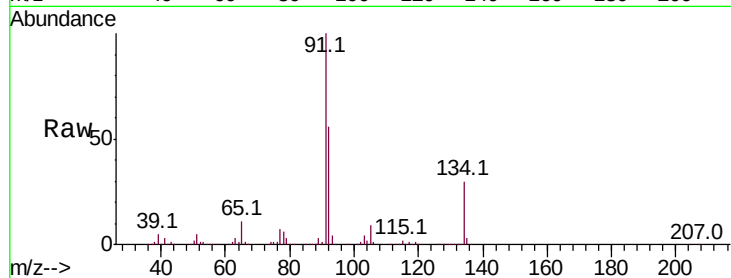
#89
n-Butylbenzene
Concen: 47.717 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW010567.D
Acq: 28 May 2019 15:11

Instrument :
MSVOA_W
ClientSampleId :
FESB-27(3.5-4)MSD

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	55.3	27.7	83.1	
134	29.1	13.9	41.6	

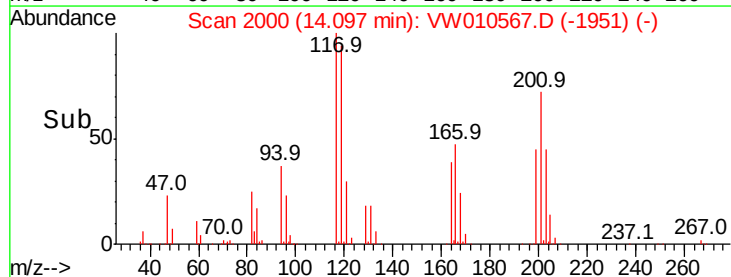
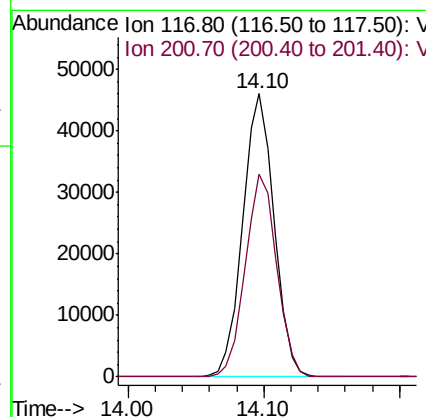
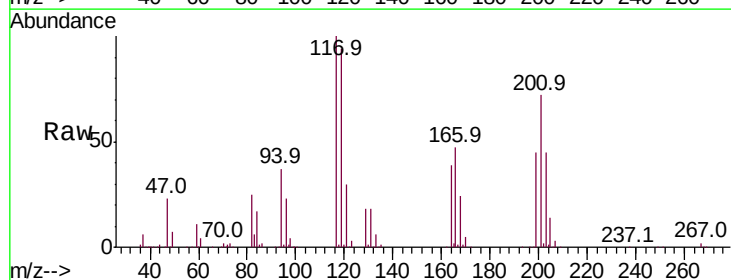
Manual Integrations
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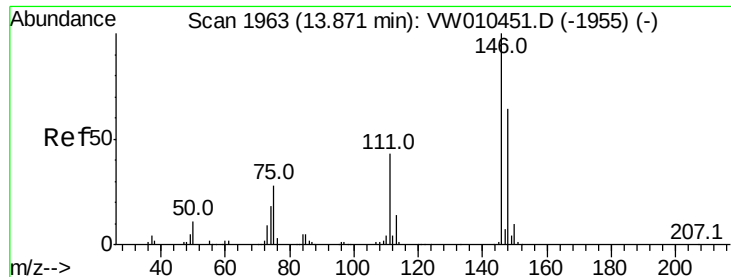
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5/29/2019 11:05:46 AM



#90
Hexachloroethane
Concen: 51.122 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW010567.D
Acq: 28 May 2019 15:11

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	72.0	34.6	103.8	





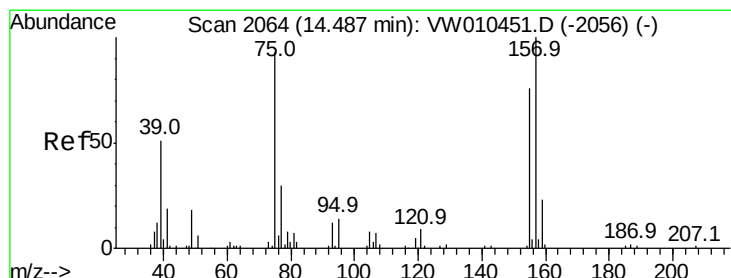
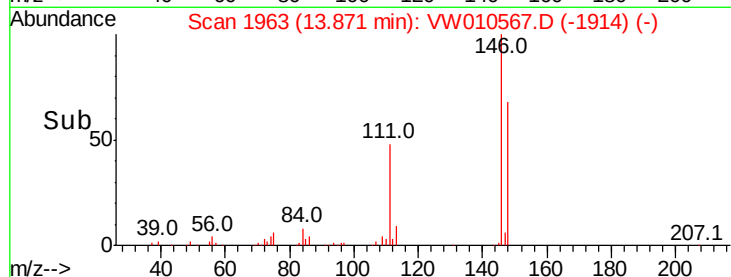
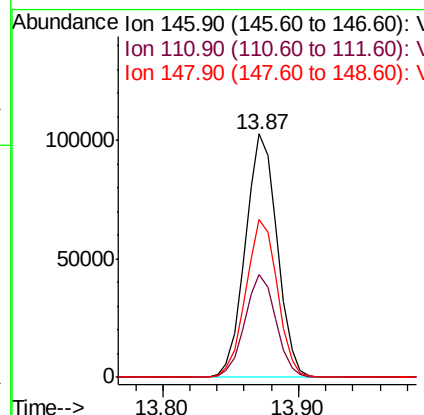
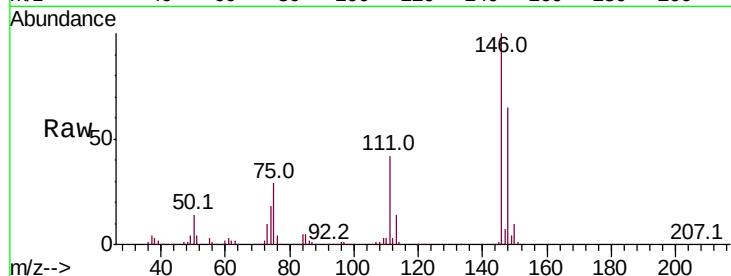
#91
1,2-Dichlorobenzene
Concen: 52.470 ug/l
RT: 13.87 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VW010567.D
Acq: 28 May 2019 15:11

Instrument :
MSVOA_W
ClientSampleId :
FESB-27(3.5-4)MSD

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.6	21.3	64.0
148	64.4	32.0	96.0

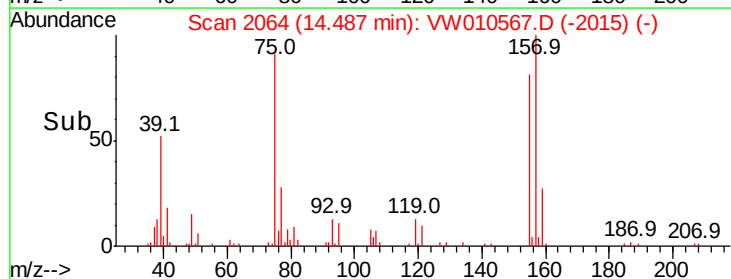
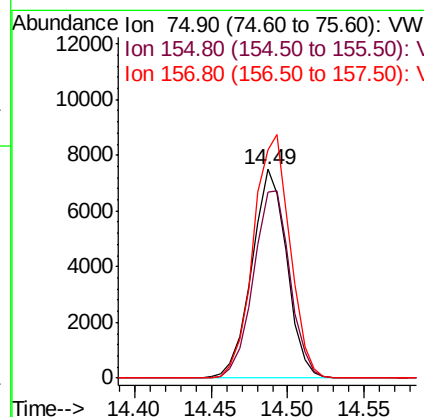
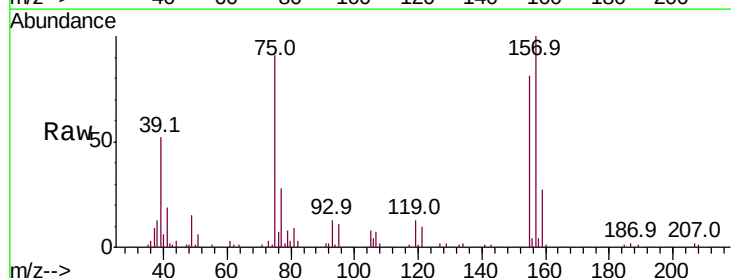
Manual Integrations
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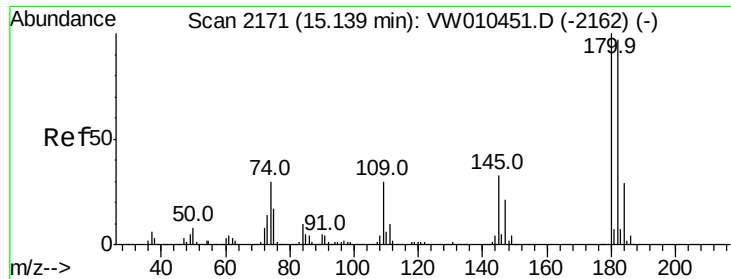
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5/29/2019 11:05:46 AM



#92
1,2-Dibromo-3-Chloropropane
Concen: 44.271 ug/l
RT: 14.49 min Scan# 2064
Delta R.T. -0.00 min
Lab File: VW010567.D
Acq: 28 May 2019 15:11

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.7	43.0	129.0
157	121.2	55.7	167.1





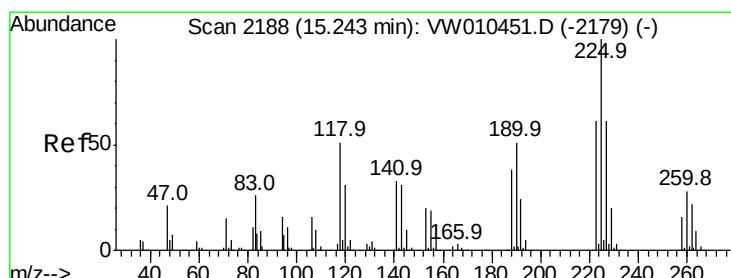
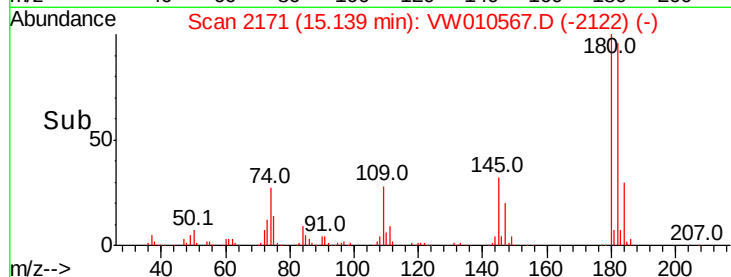
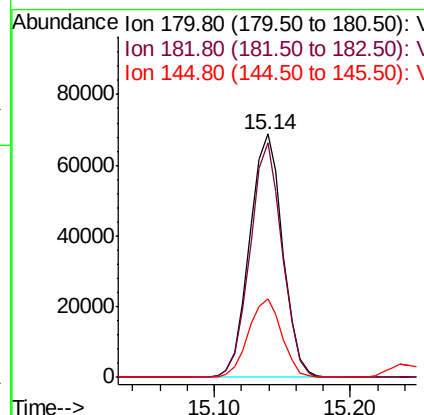
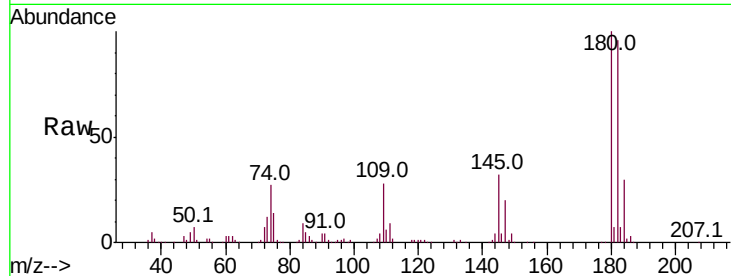
#93
 1,2,4-Trichlorobenzene
 Concen: 53.756 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW010567.D
 Acq: 28 May 2019 15:11

Instrument :
 MSVOA_W
 ClientSampleId :
 FESB-27(3.5-4)MSD

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	93.6	47.0	141.2	
145	32.7	16.7	50.0	

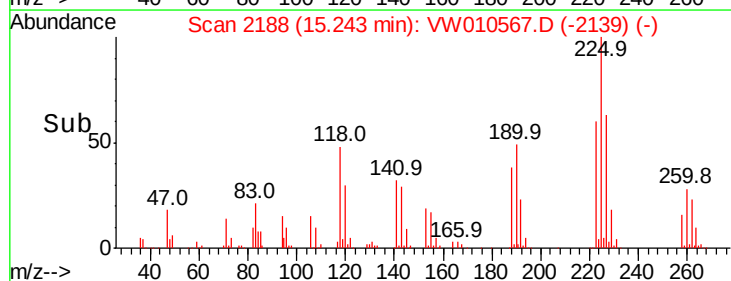
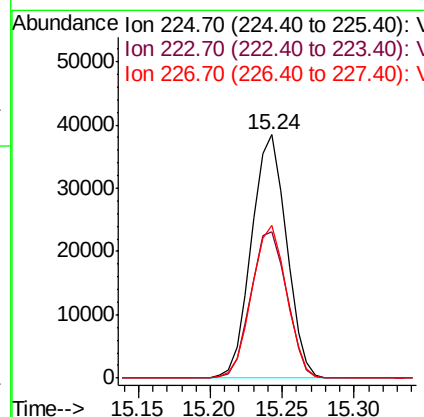
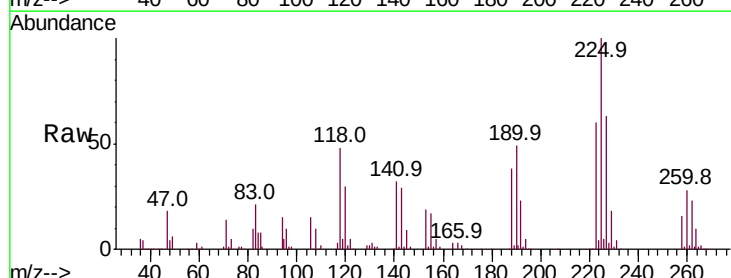
Manual Integrations
 APPROVED

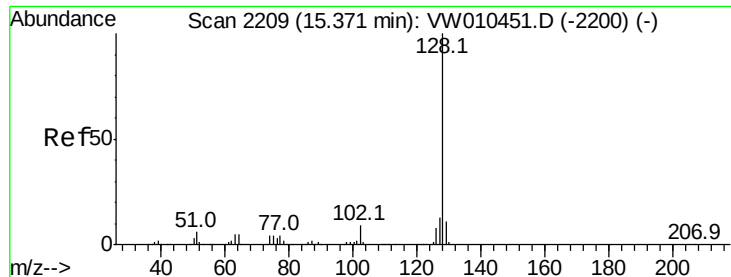
MMDadoda
 5/29/2019 11:05:46 AM



#94
 Hexachlorobutadiene
 Concen: 55.535 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW010567.D
 Acq: 28 May 2019 15:11

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.2	31.1	93.2	
227	62.6	31.1	93.5	





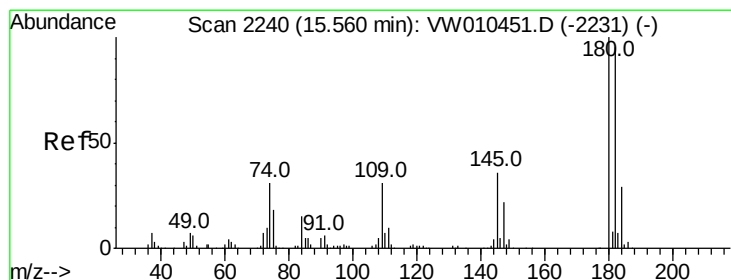
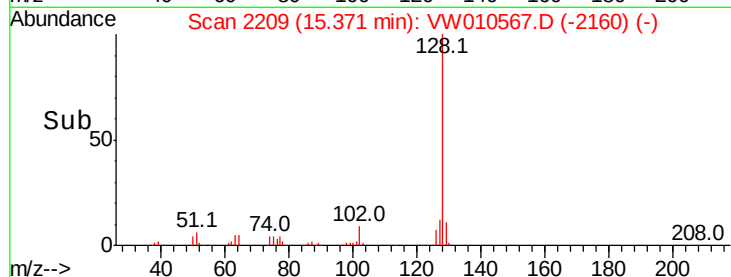
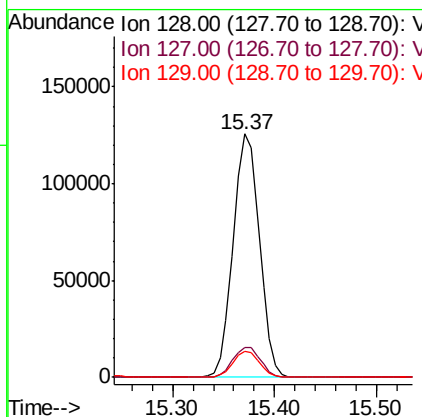
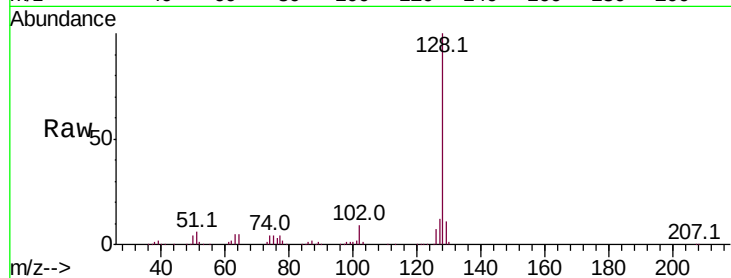
#95
Naphthalene
Concen: 48.984 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW010567.D
Acq: 28 May 2019 15:11

Instrument :
MSVOA_W
ClientSampleId :
FESB-27(3.5-4)MSD

Tot Ion	Ratio	Resp	Lower	Upper
128	100	223648		
127	12.9		10.6	15.8
129	10.8		8.9	13.3

Manual Integrations
APPROVED

MMDadoda
5/29/2019 11:05:46 AM



#96
1,2,3-Trichlorobenzene
Concen: 53.803 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW010567.D
Acq: 28 May 2019 15:11

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	100697		
182	94.4		47.1	141.3
145	34.6		17.4	52.3

