

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092118\
 Data File : VW005547.D
 Acq On : 20 Sep 2018 23:11
 Operator : SY/AP
 Sample : VSTDCC150
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 21 04:41:51 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092118S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 21 04:37:21 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	249140	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	381954	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	342754	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	183951	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	437016	163.39	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	326.78%	
35) Dibromofluoromethane	7.89	113	360960	163.31	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	326.62%	
50) Toluene-d8	10.33	98	1497223	151.81	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	303.62%	
62) 4-Bromofluorobenzene	12.62	95	551856	152.92	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	305.84%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	213227	92.956	ug/l	97
3) Chloromethane	2.21	50	280305	100.427	ug/l	99
4) Vinyl Chloride	2.37	62	333113	123.116	ug/l	100
5) Bromomethane	2.78	94	225518	113.507	ug/l	97
6) Chloroethane	2.92	64	210597	130.618	ug/l	99
7) Trichlorofluoromethane	3.26	101	272440	80.363	ug/l	97
8) Diethyl Ether	3.68	74	178413	160.360	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	324036	148.717	ug/l	100
10) Methyl Iodide	4.26	142	521491	216.637	ug/l	99
11) Tert butyl alcohol	5.22	59	117578	640.284	ug/l	99
12) 1,1-Dichloroethene	4.03	96	318106	159.668	ug/l	95
13) Acrolein	3.90	56	73964	613.166	ug/l	100
14) Allyl chloride	4.67	41	595825	162.190	ug/l	99
15) Acrylonitrile	5.37	53	407698	808.164	ug/l	99
16) Acetone	4.14	43	348577	801.680	ug/l	98
17) Carbon Disulfide	4.37	76	980282	142.694	ug/l	100
18) Methyl Acetate	4.68	43	210065	165.889	ug/l	97
19) Methyl tert-butyl Ether	5.43	73	531667	106.969	ug/l	99
20) Methylene Chloride	4.91	84	351489	113.169	ug/l	95
21) trans-1,2-Dichloroethene	5.42	96	355846	150.714	ug/l	99
22) Diisopropyl ether	6.32	45	1184825	164.955	ug/l	98
23) Vinyl Acetate	6.26	43	3557720	867.026	ug/l	100
24) 1,1-Dichloroethane	6.21	63	685141	156.006	ug/l	99
25) 2-Butanone	7.18	43	532210	839.663	ug/l	100
26) 2,2-Dichloropropane	7.17	77	432603	114.987	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	405249	157.728	ug/l	99
28) Bromochloromethane	7.51	49	264809	154.897	ug/l	99
29) Tetrahydrofuran	7.54	42	351527	867.693	ug/l	100
30) Chloroform	7.68	83	705852	154.837	ug/l	99
31) Cyclohexane	7.96	56	616652	147.058	ug/l	96
32) 1,1,1-Trichloroethane	7.88	97	606677	145.703	ug/l	99
36) 1,1-Dichloropropene	8.09	75	548834	149.368	ug/l	100
37) Ethyl Acetate	7.26	43	241782	160.548	ug/l	99
38) Carbon Tetrachloride	8.07	117	578945	150.227	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	677627	159.056	ug/l	99
40) Benzene	8.33	78	1555829	146.987	ug/l	100
41) Methacrylonitrile	7.49	41	150516	166.852	ug/l	97
42) 1,2-Dichloroethane	8.40	62	502388	150.214	ug/l	99
43) Isopropyl Acetate	8.43	43	503633	172.395	ug/l	99
44) Trichloroethene	9.10	130	403004	147.884	ug/l	97
45) 1,2-Dichloropropane	9.37	63	391880	153.775	ug/l	100
46) Dibromomethane	9.46	93	195638	155.347	ug/l	100
47) Bromodichloromethane	9.65	83	537199	157.905	ug/l	99
48) Methyl methacrylate	9.44	41	250617	173.435	ug/l	97
49) 1,4-Dioxane	9.48	88	62668	3061.035	ug/l #	99
51) 4-Methyl-2-Pentanone	10.22	43	1263762	845.781	ug/l	98
52) Toluene	10.39	92	1005689	142.394	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	568458	166.873	ug/l	98
54) cis-1,3-Dichloropropene	10.08	75	638202	165.547	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	282044	151.650	ug/l	98
56) Ethyl methacrylate	10.65	69	399631	171.651	ug/l	99
57) 1,3-Dichloropropane	10.94	76	503395	157.122	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	867656	819.438	ug/l	99
59) 2-Hexanone	10.98	43	885941	873.724	ug/l	99
60) Dibromochloromethane	11.13	129	352633	157.820	ug/l	99
61) 1,2-Dibromoethane	11.24	107	267184	159.640	ug/l	99
64) Tetrachloroethene	10.87	164	353281	140.271	ug/l	99
65) Chlorobenzene	11.66	112	1068550	146.166	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.74	131	396699	166.037	ug/l	99
67) Ethyl Benzene	11.74	91	1964529	152.768	ug/l	99
68) m/p-Xylenes	11.85	106	1489934	301.725	ug/l	100
69) o-Xylene	12.17	106	710293	154.513	ug/l	100
70) Styrene	12.19	104	1199492	157.481	ug/l	99
71) Bromoform	12.35	173	218629	173.216	ug/l #	100
73) Isopropylbenzene	12.47	105	2009967	155.095	ug/l	100
74) N-amyl acetate	12.28	43	489004	177.953	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	323955	167.880	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	465194	303.431	ug/l #	100
77) Bromobenzene	12.75	156	447614	146.556	ug/l	98
78) n-propylbenzene	12.81	91	2362698	151.121	ug/l	99
79) 2-Chlorotoluene	12.90	91	1366968	148.744	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	1694808	150.326	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	113926	189.465	ug/l	96
82) 4-Chlorotoluene	12.99	91	1433378	147.633	ug/l	100
83) tert-Butylbenzene	13.21	119	1457126	155.388	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	1720588	150.178	ug/l	100
85) sec-Butylbenzene	13.39	105	2055284	151.673	ug/l	100
86) p-Isopropyltoluene	13.51	119	1849795	152.558	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	878761	141.681	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	874864	143.434	ug/l	100
89) n-Butylbenzene	13.83	91	1742370	154.486	ug/l	99
90) Hexachloroethane	14.10	117	329159	157.166	ug/l	100
91) 1,2-Dichlorobenzene	13.88	146	790297	146.057	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	62830	171.690	ug/l	97

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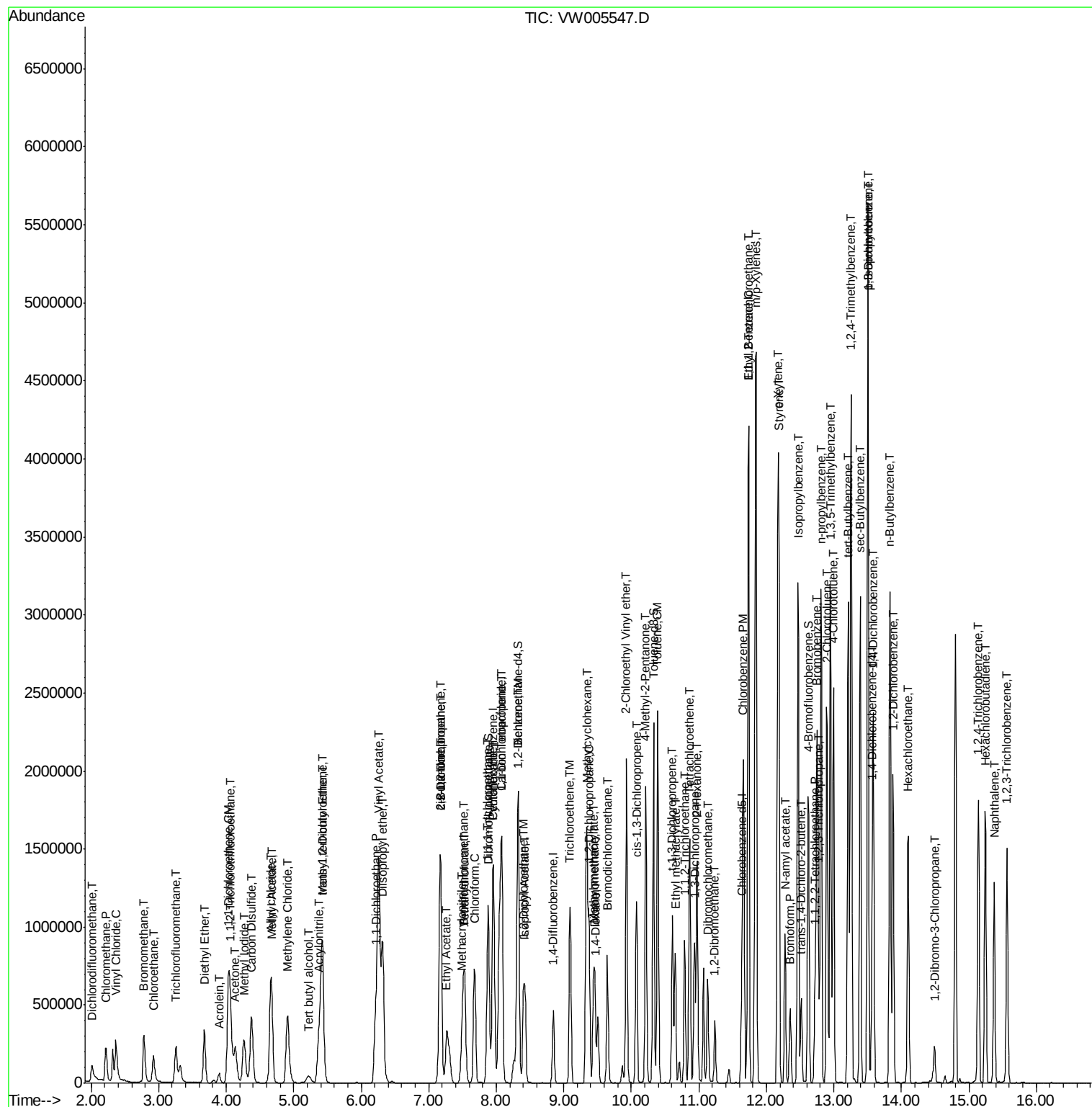
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	585470	160.910	ug/l	100
94) Hexachlorobutadiene	15.24	225	349394	147.795	ug/l	99
95) Naphthalene	15.38	128	1088100	178.509	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	515636	161.760	ug/l	99

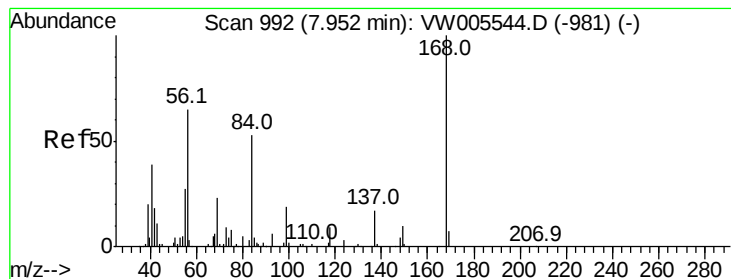
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW005547.D

Acq: 20 Sep 2018 23:11

Instrument :

MSVOA_W

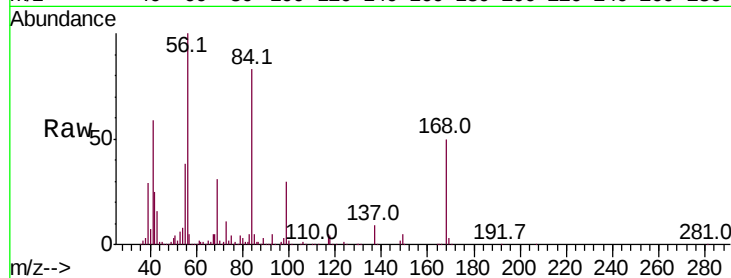
ClientSampled :

Tot Ion:168 Resp: 249140

Ion Ratio Lower Upper

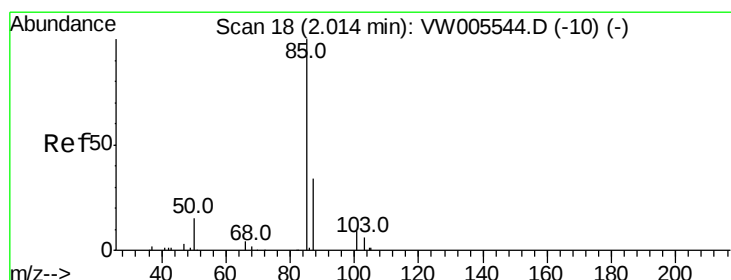
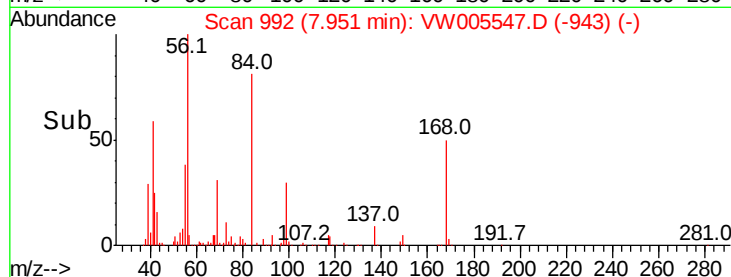
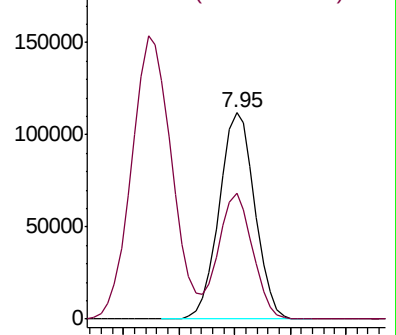
168 100

99 61.0 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 92.956 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW005547.D

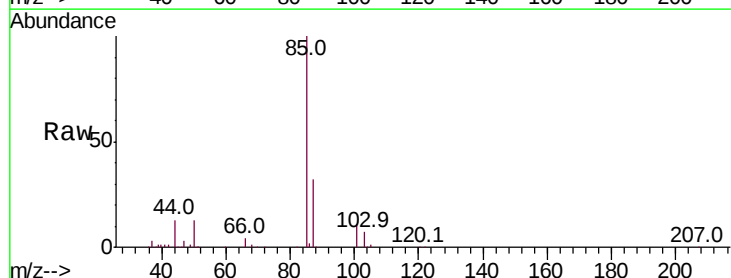
Acq: 20 Sep 2018 23:11

Tgt Ion: 85 Resp: 213227

Ion Ratio Lower Upper

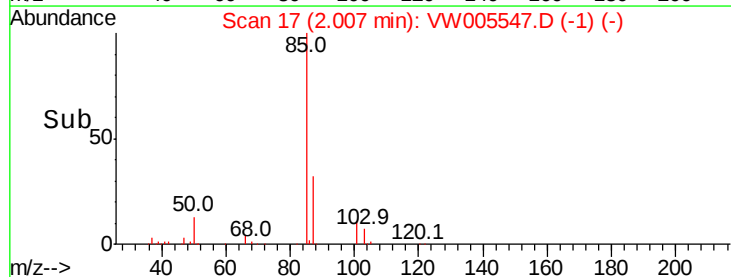
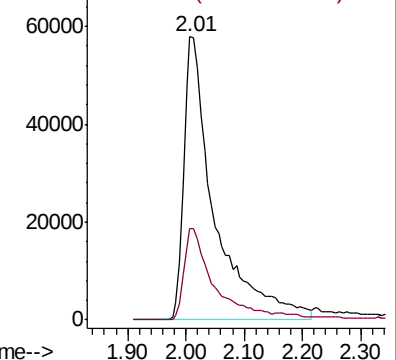
85 100

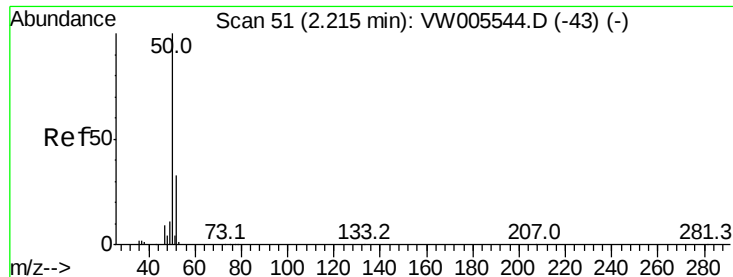
87 32.3 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 100.427 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW005547.D

Acq: 20 Sep 2018 23:11

Instrument :

MSVOA_W

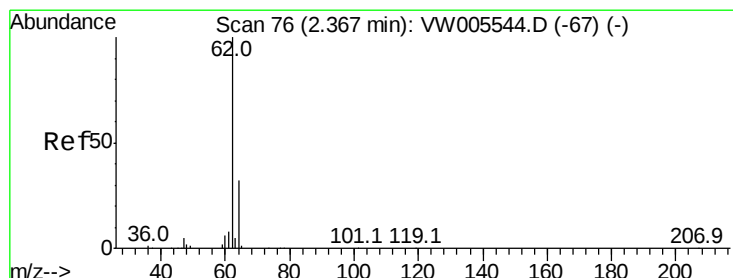
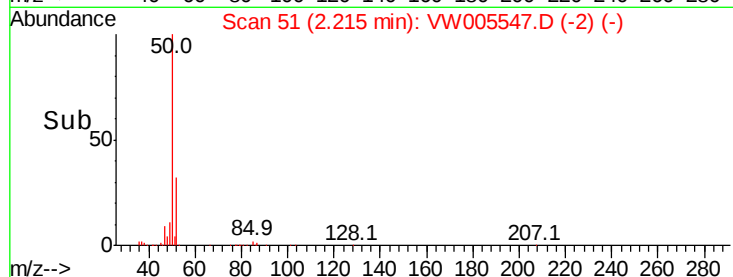
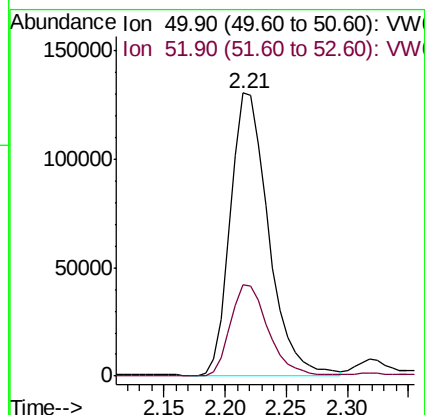
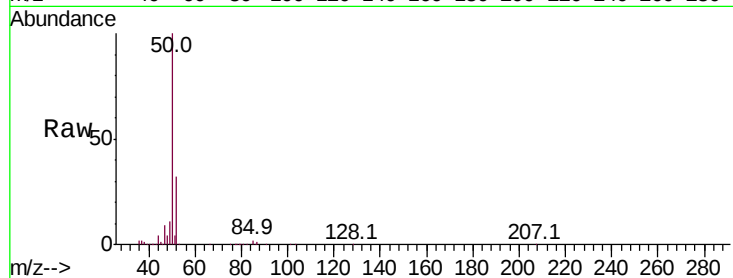
ClientSampled :

Tot Ion: 50 Resp: 280305

Ion Ratio Lower Upper

50 100

52 32.3 26.2 39.4



#4

Vinyl Chloride

Concen: 123.116 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW005547.D

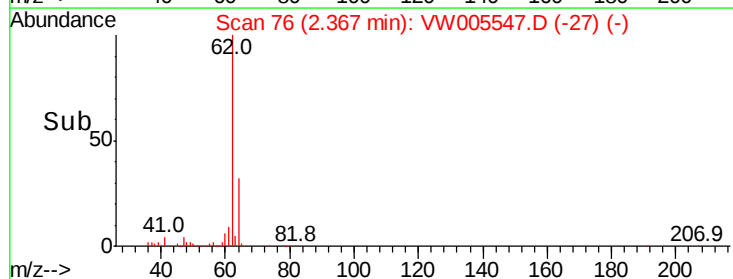
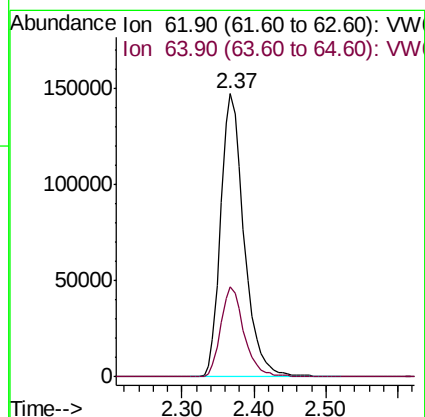
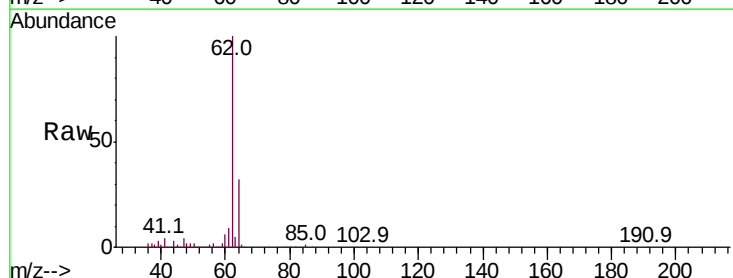
Acq: 20 Sep 2018 23:11

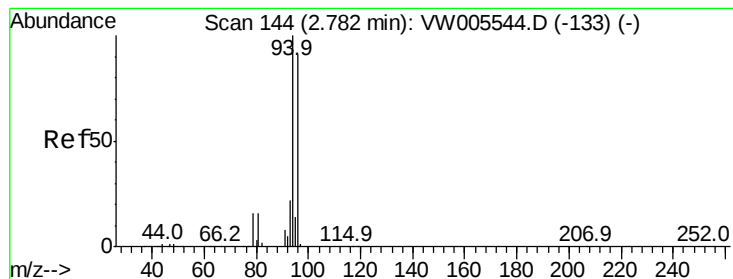
Tgt Ion: 62 Resp: 333113

Ion Ratio Lower Upper

62 100

64 31.9 25.7 38.5





#5

Bromomethane

Concen: 113.507 ug/l

RT: 2.78 min Scan# 144

Delta R.T. -0.00 min

Lab File: VW005547.D

Acq: 20 Sep 2018 23:11

Instrument :

MSVOA_W

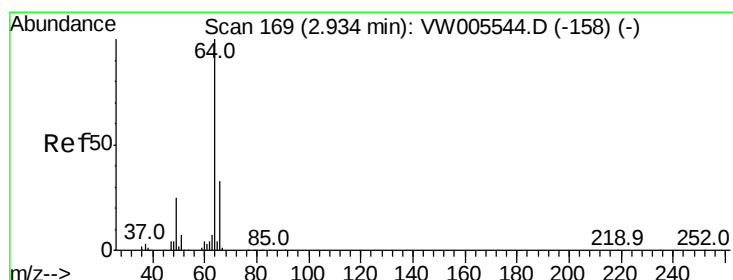
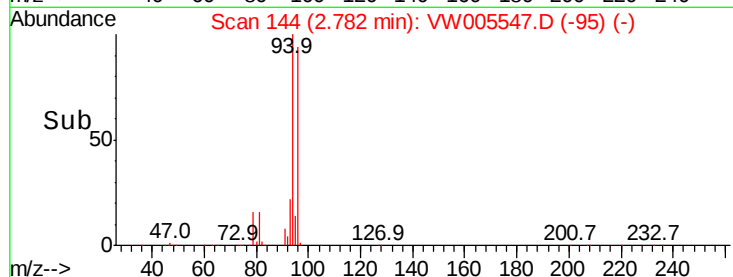
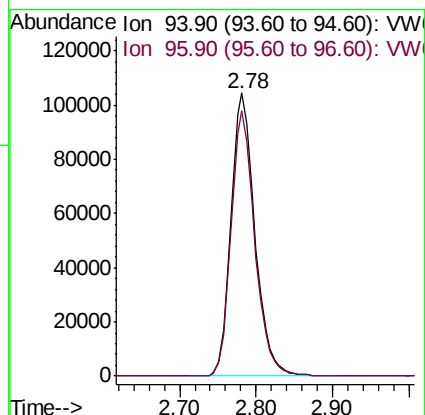
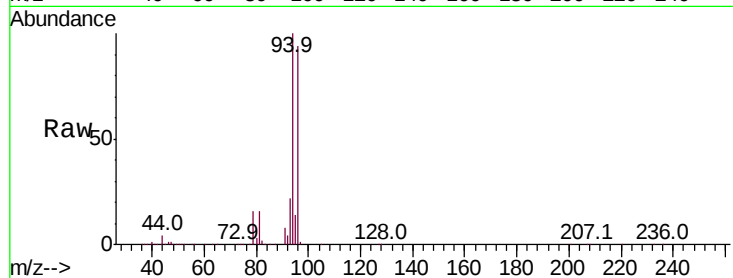
ClientSampleId :

Tot Ion: 94 Resp: 225518

Ion Ratio Lower Upper

94 100

96 93.9 73.1 109.7



#6

Chloroethane

Concen: 130.618 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW005547.D

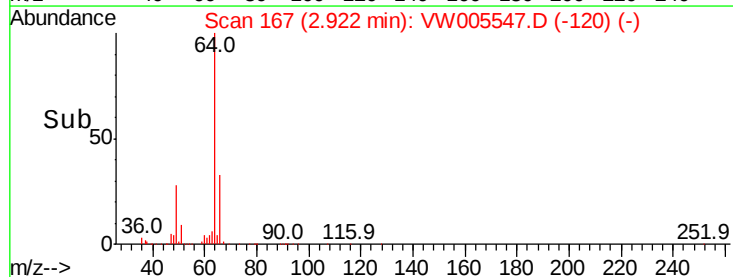
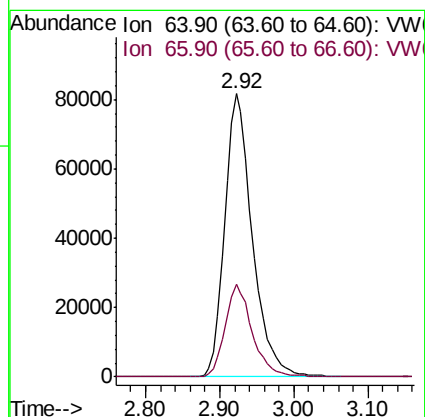
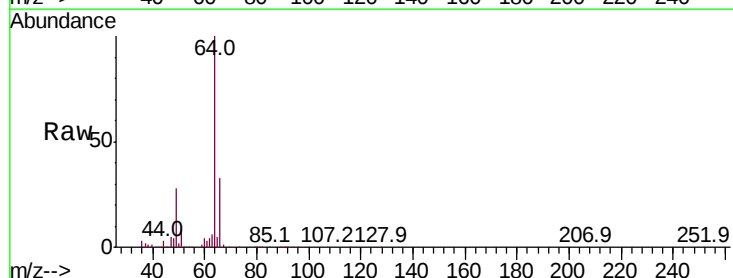
Acq: 20 Sep 2018 23:11

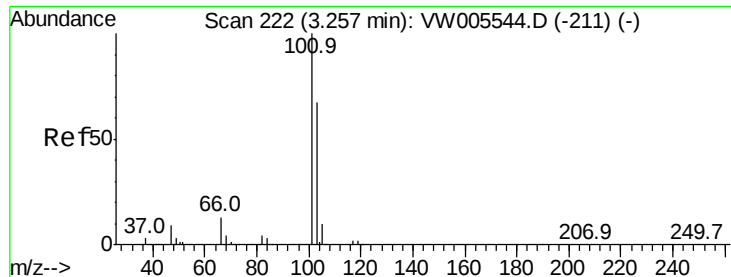
Tgt Ion: 64 Resp: 210597

Ion Ratio Lower Upper

64 100

66 32.8 26.0 39.0



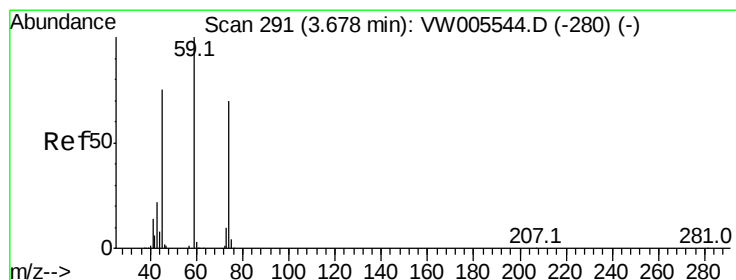
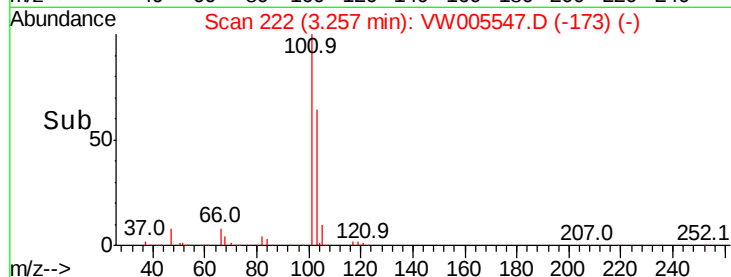
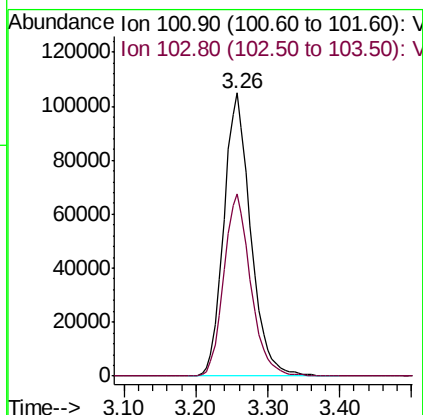
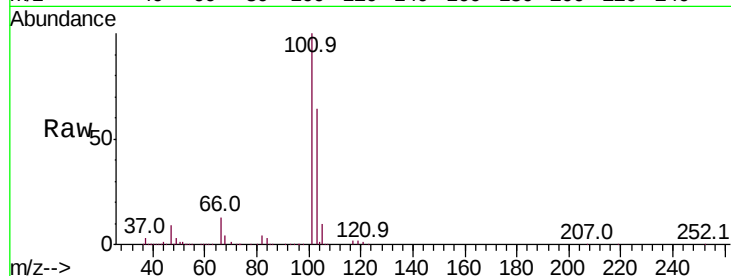


#7

Trichlorofluoromethane
 Concen: 80.363 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.00 min
 Lab File: VW005547.D
 Acq: 20 Sep 2018 23:11

Instrument :
 MSVOA_W
 ClientSampled :

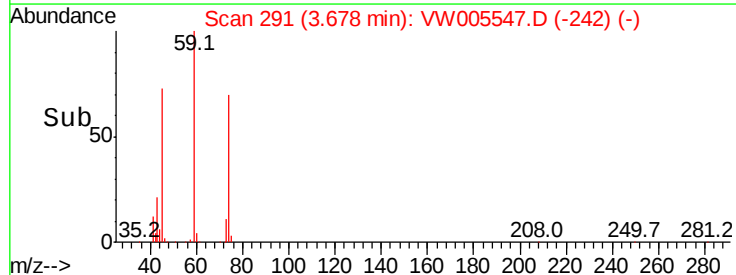
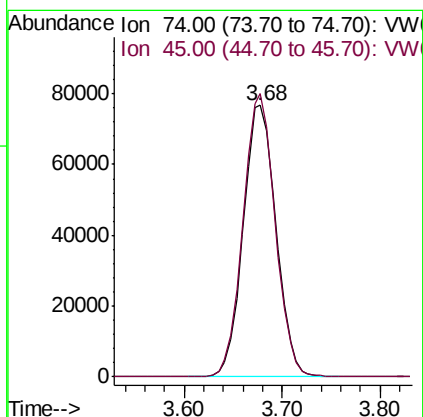
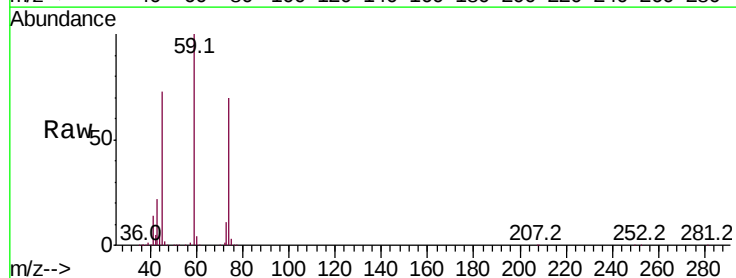
Tot Ion:101 Resp: 272440
 Ion Ratio Lower Upper
 101 100
 103 64.2 53.2 79.8

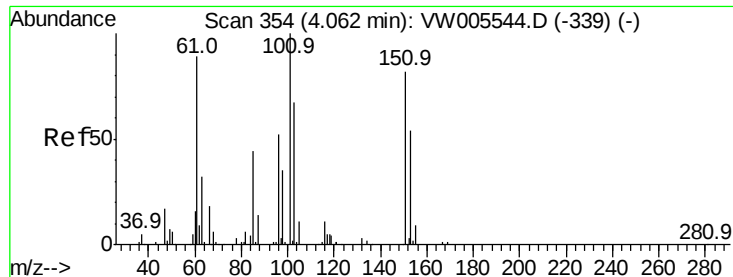


#8

Diethyl Ether
 Concen: 160.360 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW005547.D
 Acq: 20 Sep 2018 23:11

Tgt Ion: 74 Resp: 178413
 Ion Ratio Lower Upper
 74 100
 45 101.5 51.7 155.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 148.717 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW005547.D

Acq: 20 Sep 2018 23:11

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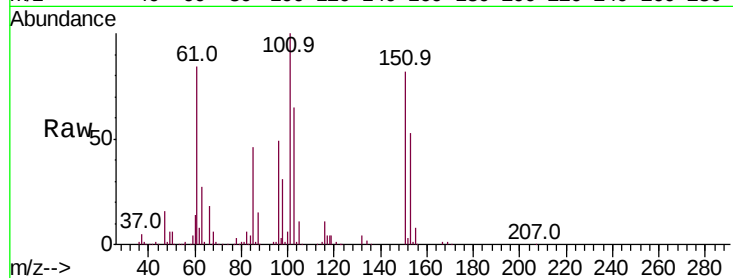
Tot Ion:101 Resp: 324036

Ion Ratio Lower Upper

101 100

85 45.7 36.4 54.6

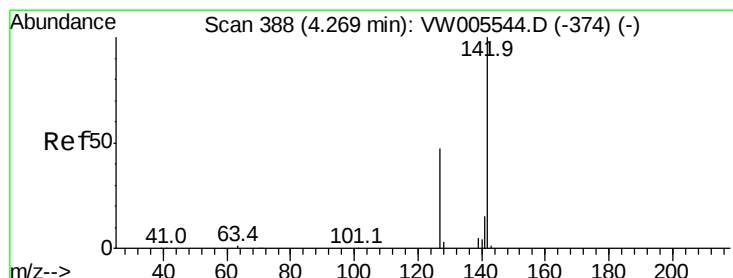
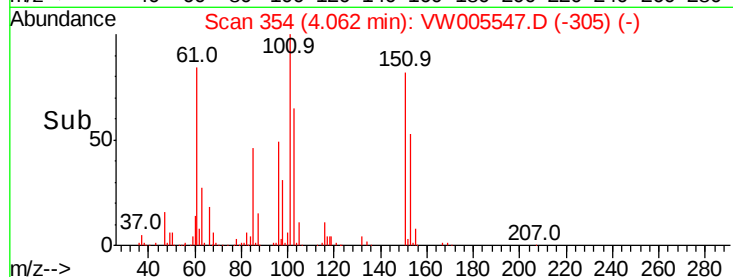
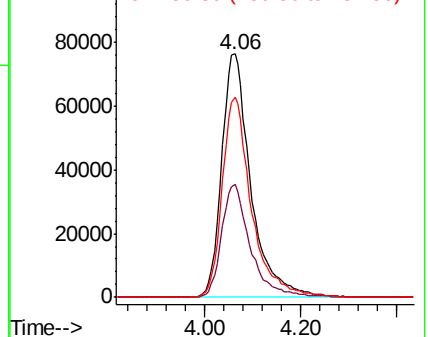
151 81.9 65.8 98.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 216.637 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

Lab File: VW005547.D

Acq: 20 Sep 2018 23:11

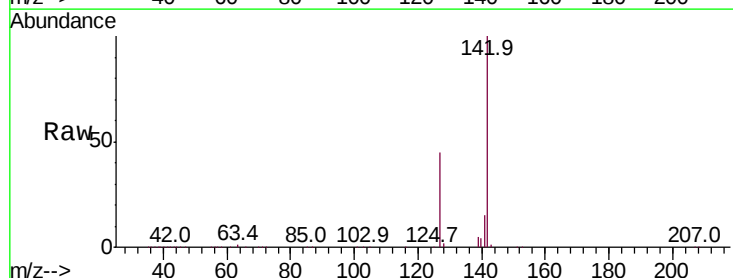
Tgt Ion:142 Resp: 521491

Ion Ratio Lower Upper

142 100

127 45.8 37.4 56.0

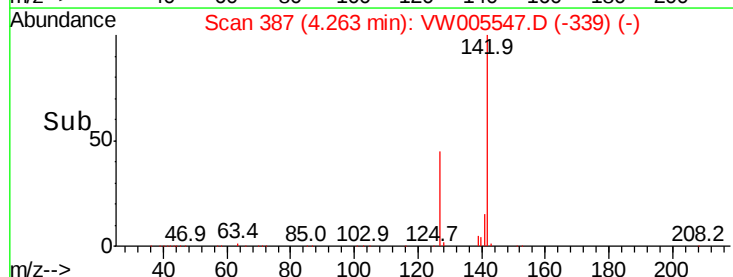
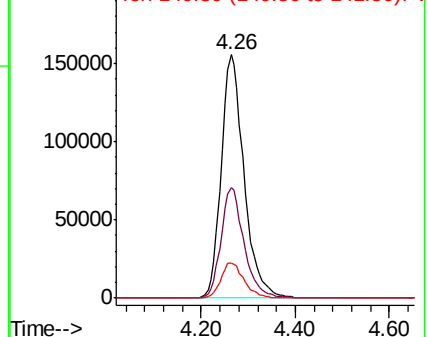
141 14.9 11.9 17.9

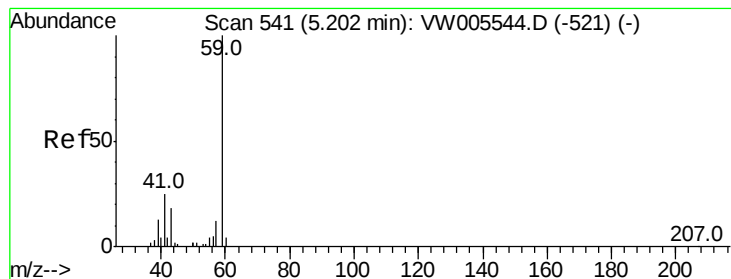


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



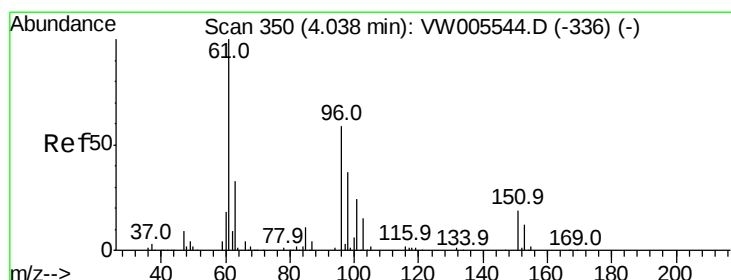
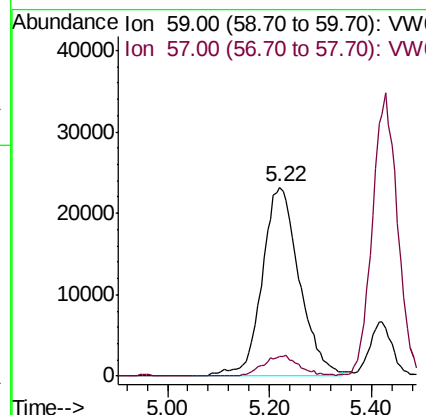
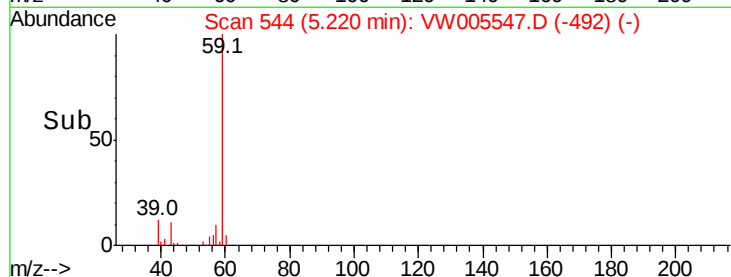
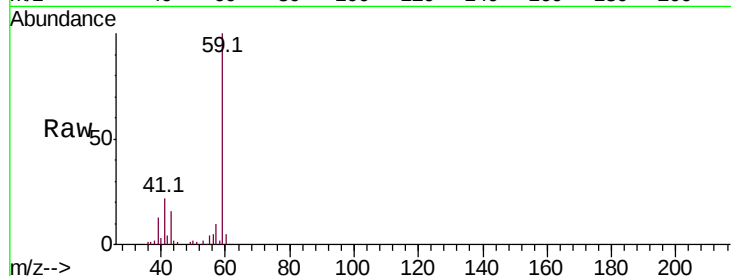


#11

Tert butyl alcohol
Concen: 640.284 ug/l
RT: 5.22 min Scan# 544
Delta R.T. 0.02 min
Lab File: VW005547.D
Acq: 20 Sep 2018 23:11

Instrument :
MSVOA_W
ClientSampleId :

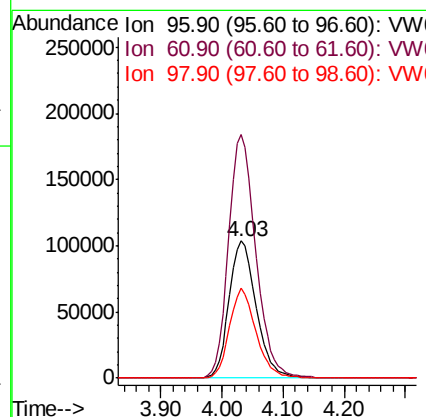
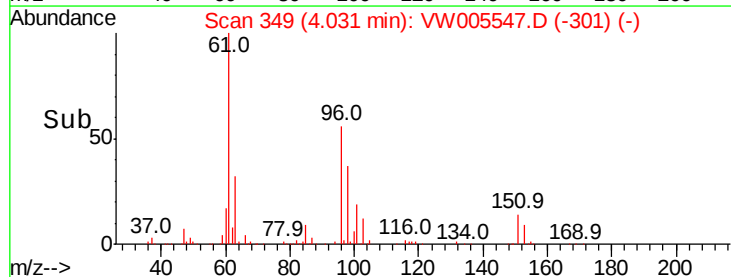
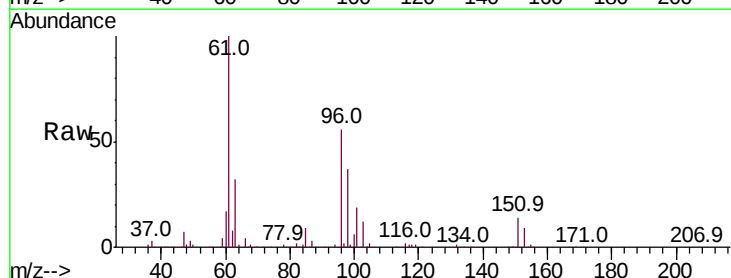
Tot Ion: 59 Resp: 117578
Ion Ratio Lower Upper
59 100
57 10.6 8.3 12.5

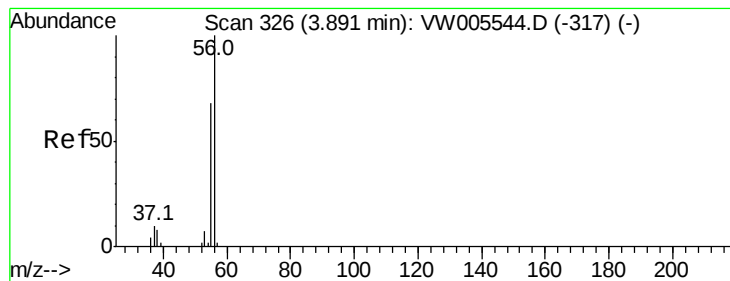


#12

1,1-Dichloroethene
Concen: 159.668 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW005547.D
Acq: 20 Sep 2018 23:11

Tgt Ion: 96 Resp: 318106
Ion Ratio Lower Upper
96 100
61 177.4 135.0 202.6
98 65.4 50.6 76.0





#13

Acrolein

Concen: 613.166 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW005547.D

Acq: 20 Sep 2018 23:11

Instrument :

MSVOA_W

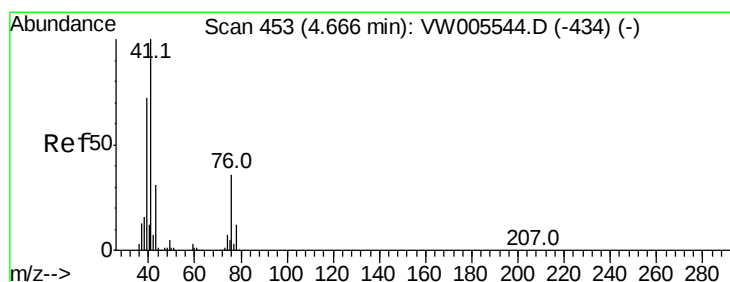
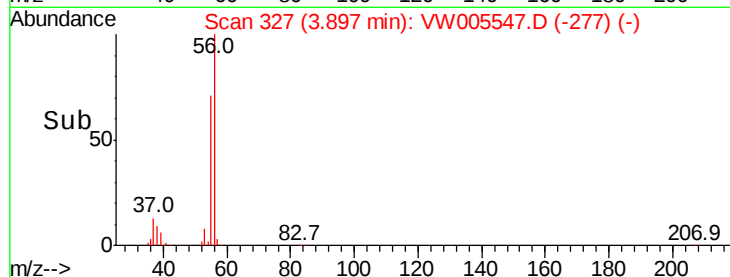
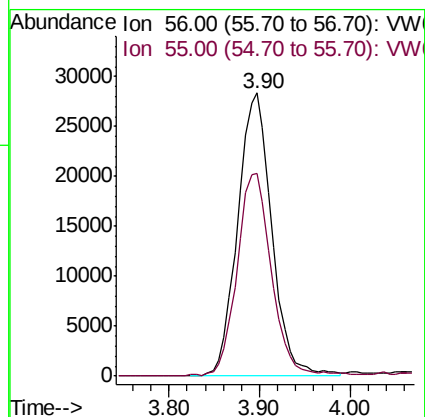
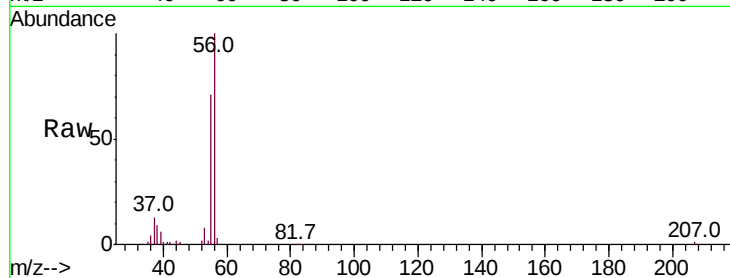
ClientSampleId :

Tot Ion: 56 Resp: 73964

Ion Ratio Lower Upper

56 100

55 72.1 57.8 86.8



#14

Allyl chloride

Concen: 162.190 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW005547.D

Acq: 20 Sep 2018 23:11

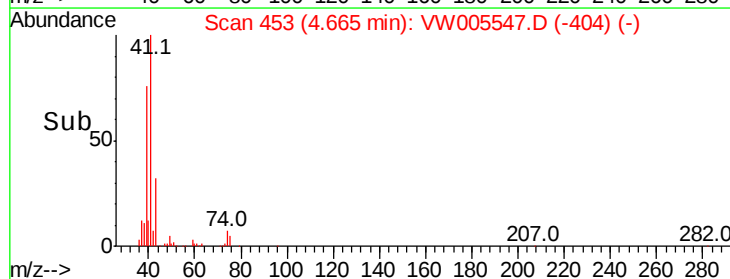
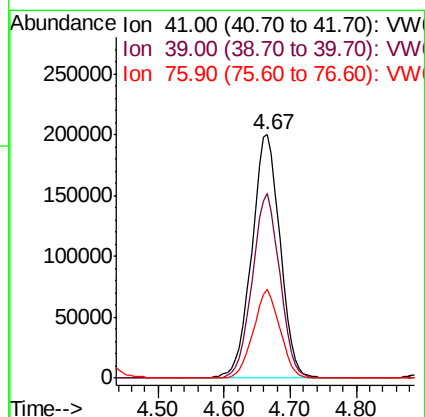
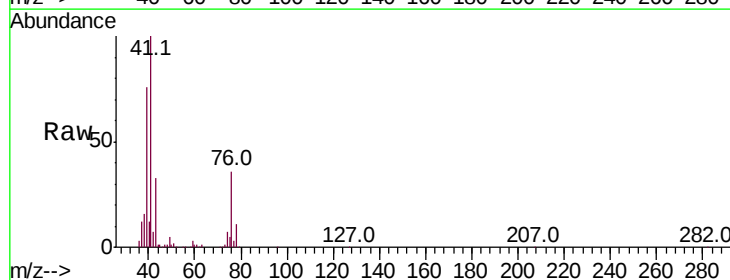
Tgt Ion: 41 Resp: 595825

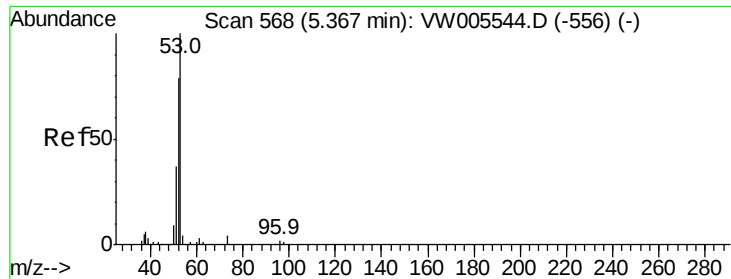
Ion Ratio Lower Upper

41 100

39 73.8 59.6 89.4

76 34.1 27.7 41.5





#15

Acrylonitrile

Concen: 808.164 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.01 min

Lab File: VW005547.D

Acq: 20 Sep 2018 23:11

Instrument :
MSVOA_W
ClientSampleId :

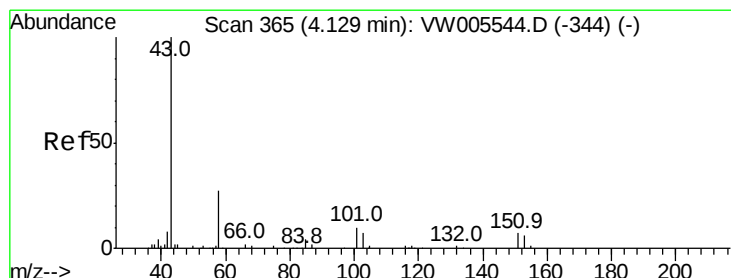
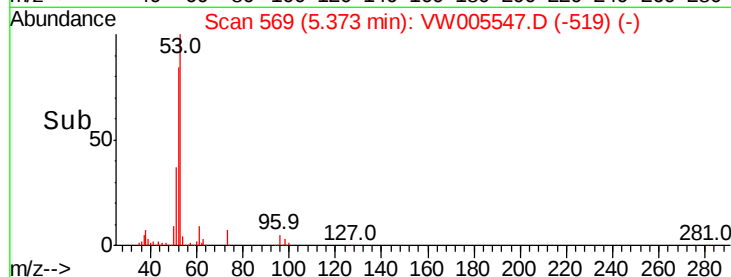
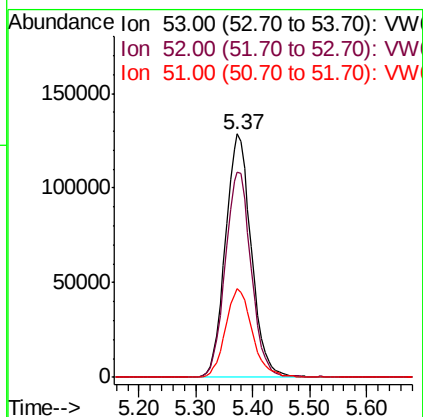
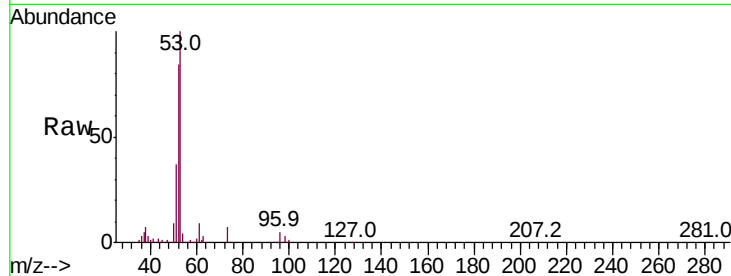
Tot Ion: 53 Resp: 407698

Ion Ratio Lower Upper

53 100

52 84.5 66.5 99.7

51 37.5 30.6 46.0



#16

Acetone

Concen: 801.680 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW005547.D

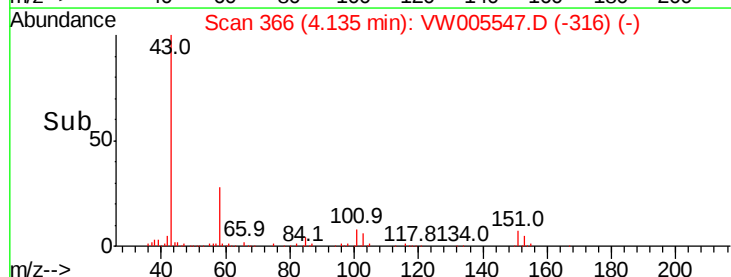
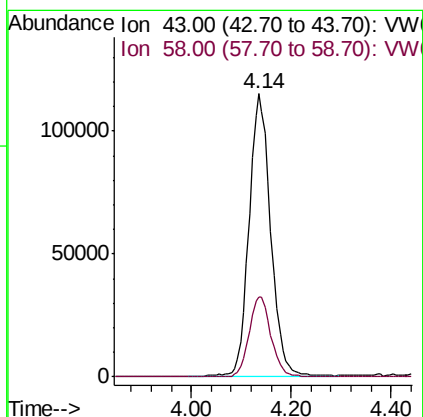
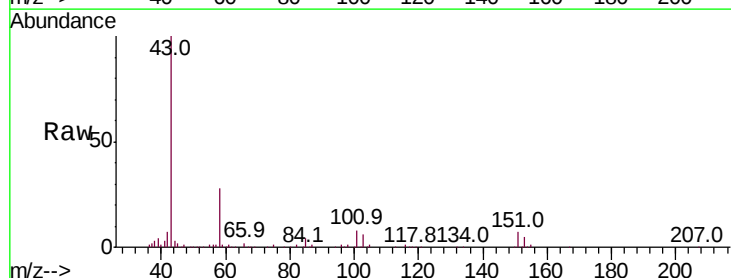
Acq: 20 Sep 2018 23:11

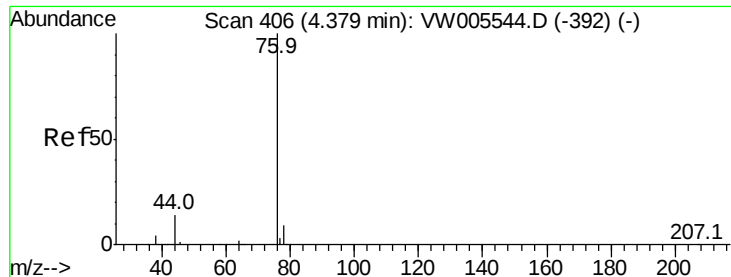
Tgt Ion: 43 Resp: 348577

Ion Ratio Lower Upper

43 100

58 28.2 21.8 32.8





#17

Carbon Disulfide

Concen: 142.694 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW005547.D

Acq: 20 Sep 2018 23:11

Instrument :

MSVOA_W

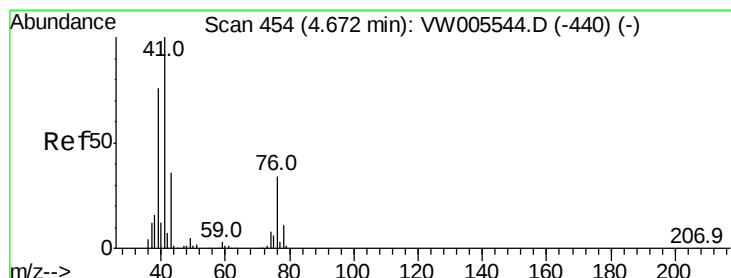
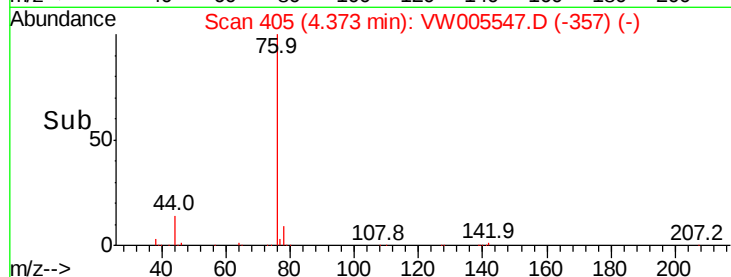
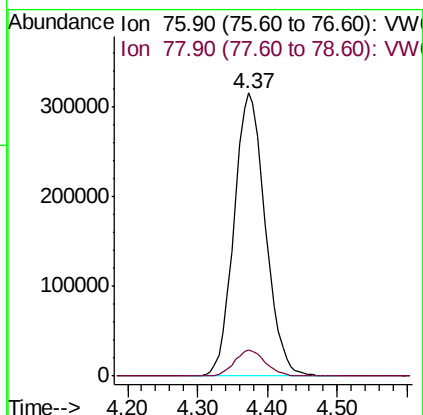
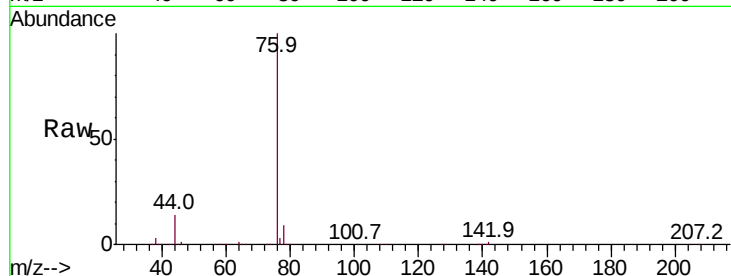
ClientSampleId :

Tot Ion: 76 Resp: 980282

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.0



#18

Methyl Acetate

Concen: 165.889 ug/l

RT: 4.68 min Scan# 455

Delta R.T. 0.01 min

Lab File: VW005547.D

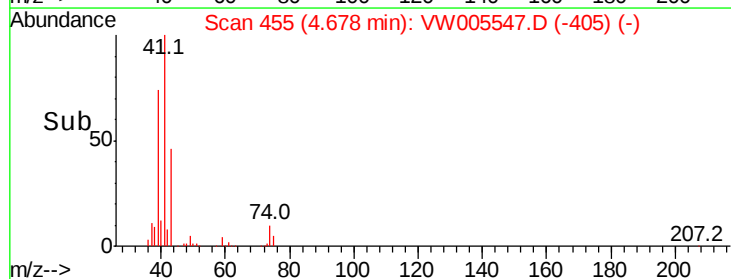
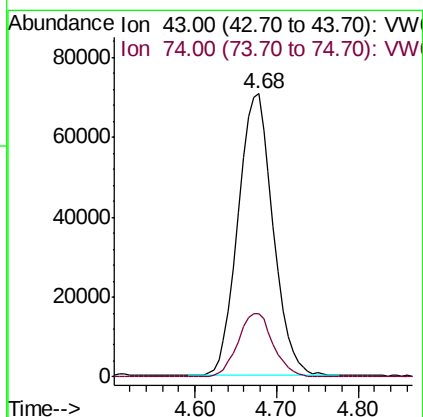
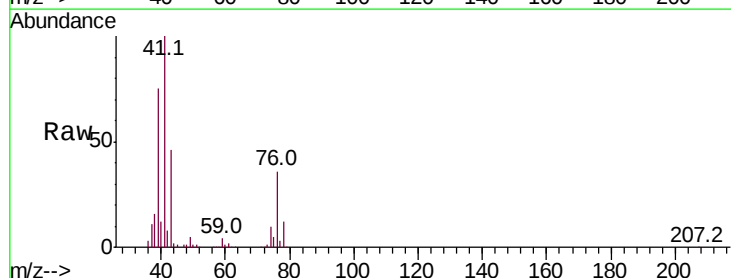
Acq: 20 Sep 2018 23:11

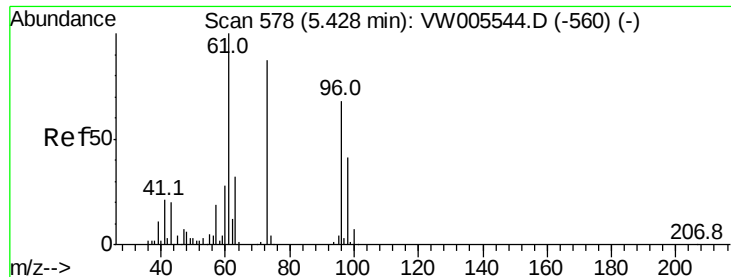
Tgt Ion: 43 Resp: 210065

Ion Ratio Lower Upper

43 100

74 22.7 19.2 28.8

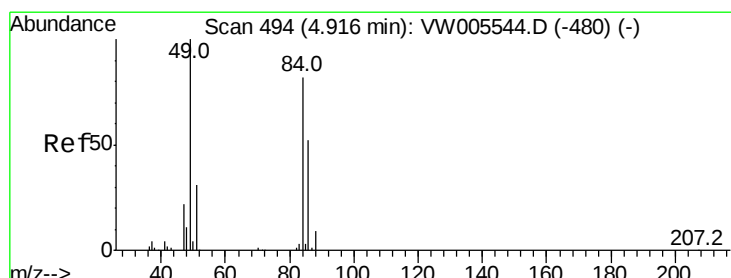
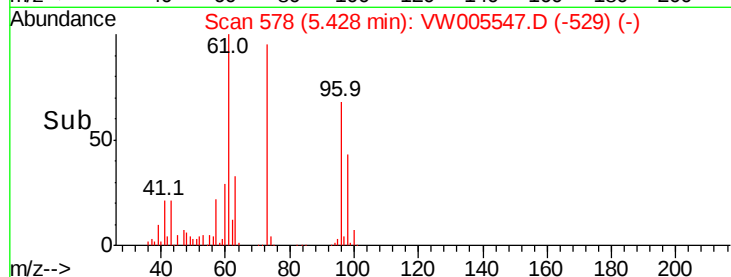
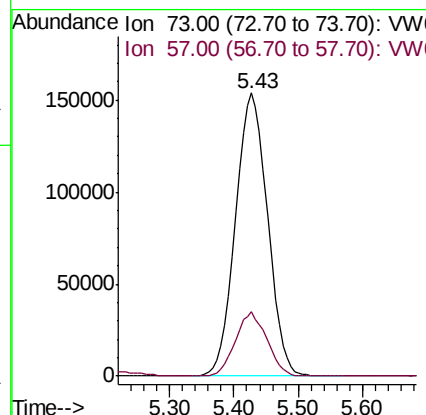
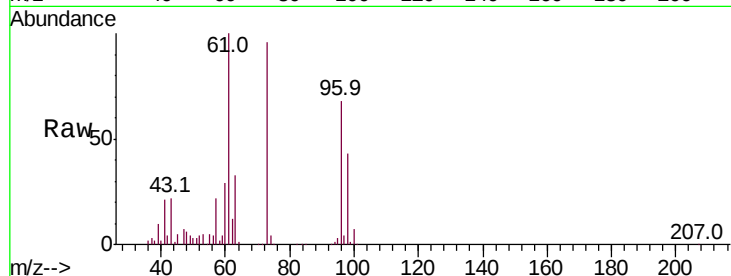




#19
Methvl tert-butvl Ether
Concen: 106.969 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW005547.D
Acq: 20 Sep 2018 23:11

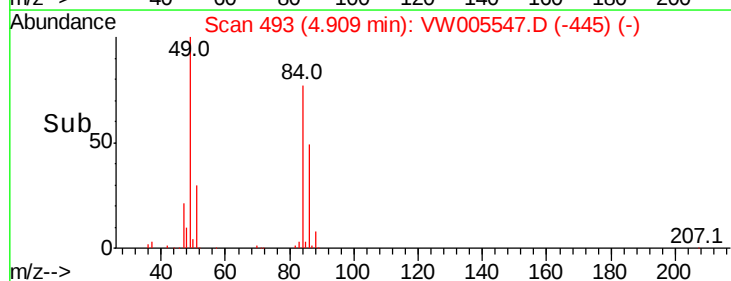
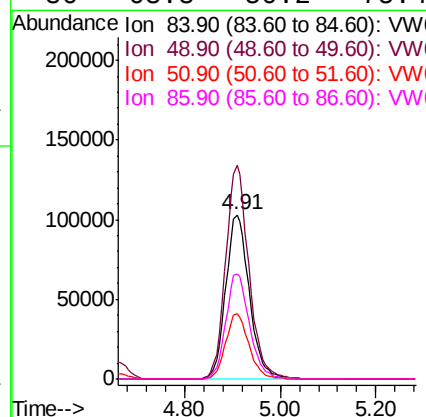
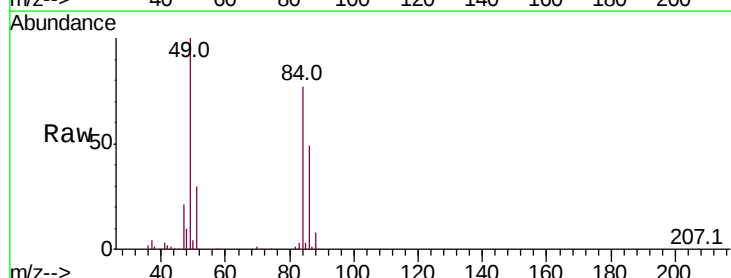
Instrument :
MSVOA_W
ClientSampled :

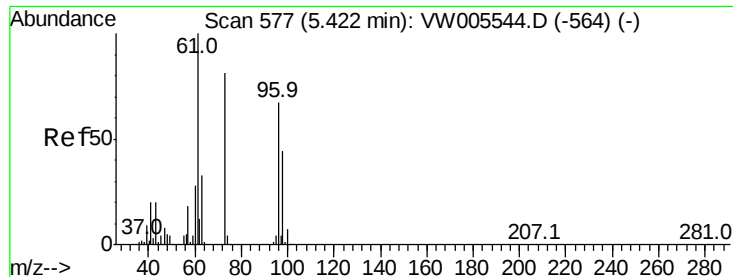
Tot Ion: 73 Resp: 531667
Ion Ratio Lower Upper
73 100
57 22.6 17.6 26.4



#20
Methylene Chloride
Concen: 113.169 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW005547.D
Acq: 20 Sep 2018 23:11

Tgt Ion: 84 Resp: 351489
Ion Ratio Lower Upper
84 100
49 129.8 97.0 145.6
51 39.5 30.2 45.2
86 63.8 50.2 75.4





#21

trans-1,2-Dichloroethene

Concen: 150.714 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW005547.D

Acq: 20 Sep 2018 23:11

Instrument :

MSVOA_W

ClientSampled :

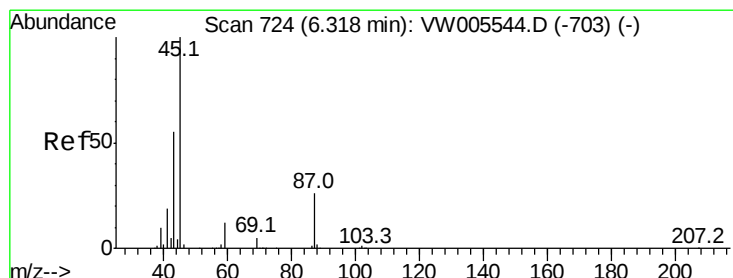
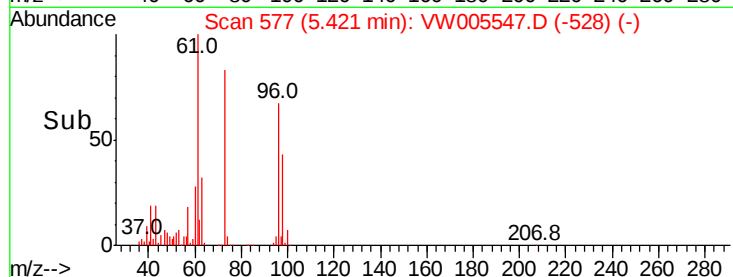
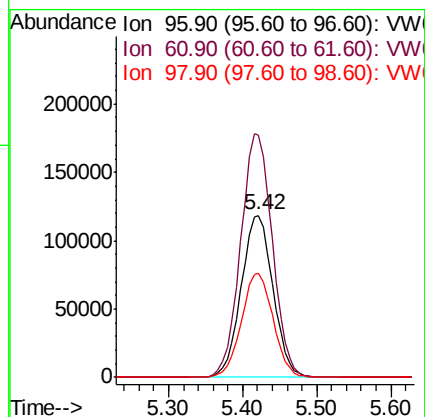
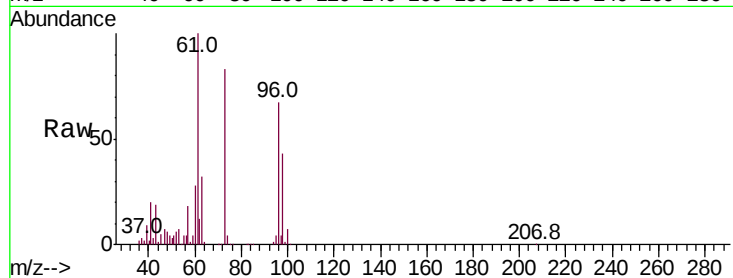
Tot Ion: 96 Resp: 355846

Ion Ratio Lower Upper

96 100

61 149.4 118.9 178.3

98 64.6 52.1 78.1



#22

Diisopropyl ether

Concen: 164.955 ug/l

RT: 6.32 min Scan# 724

Delta R.T. -0.00 min

Lab File: VW005547.D

Acq: 20 Sep 2018 23:11

Tgt Ion: 45 Resp: 1184825

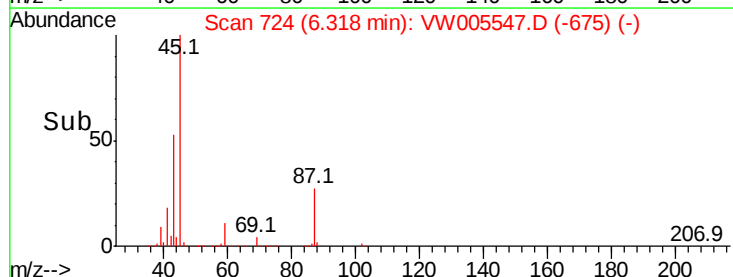
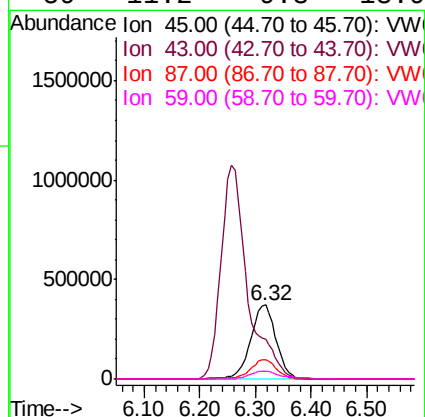
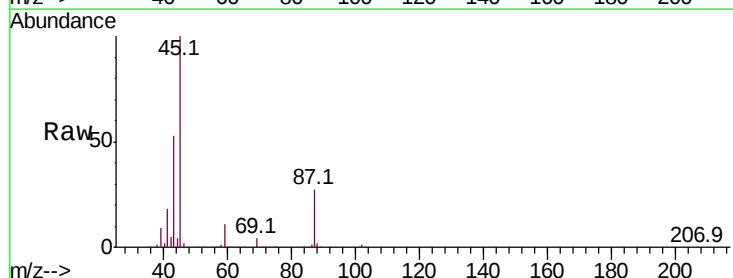
Ion Ratio Lower Upper

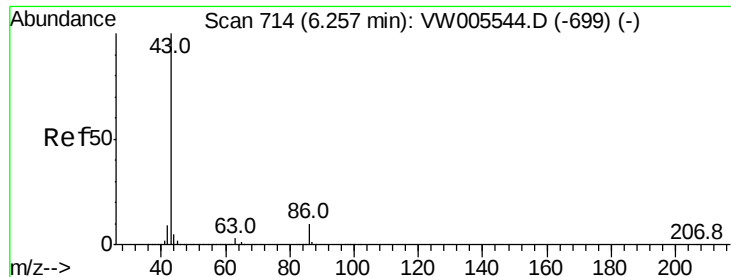
45 100

43 53.3 44.2 66.4

87 26.8 21.4 32.2

59 11.2 9.3 13.9





#23

Vinyl Acetate

Concen: 867.026 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.00 min

Lab File: VW005547.D

Acq: 20 Sep 2018 23:11

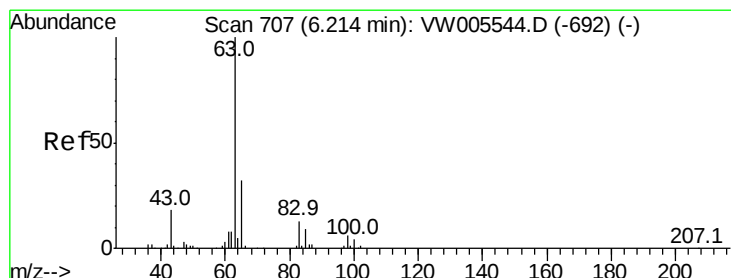
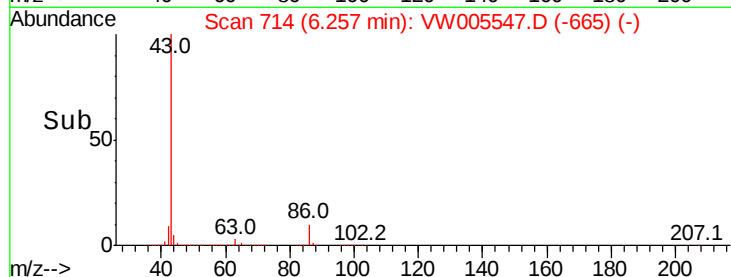
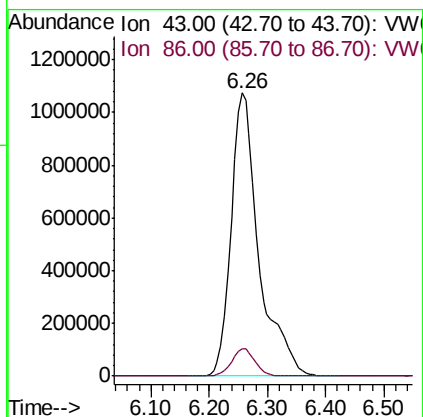
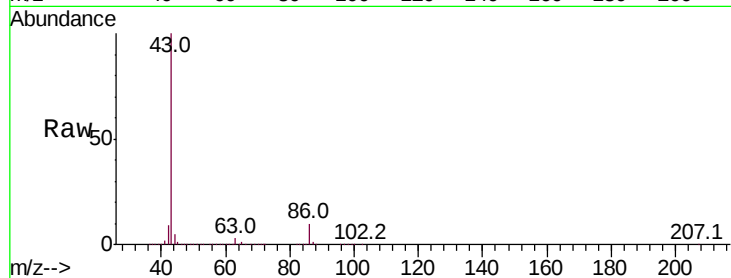
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 3557720

Ion Ratio Lower Upper

43 100

86 9.6 7.7 11.5



#24

1,1-Dichloroethane

Concen: 156.006 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW005547.D

Acq: 20 Sep 2018 23:11

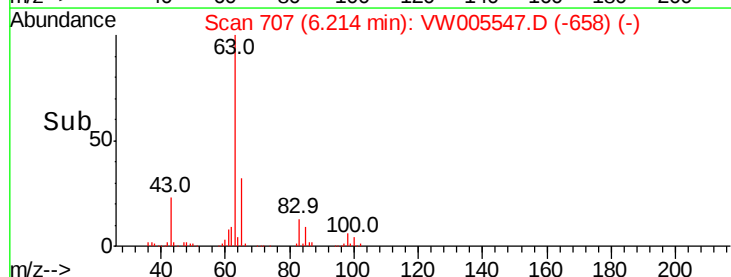
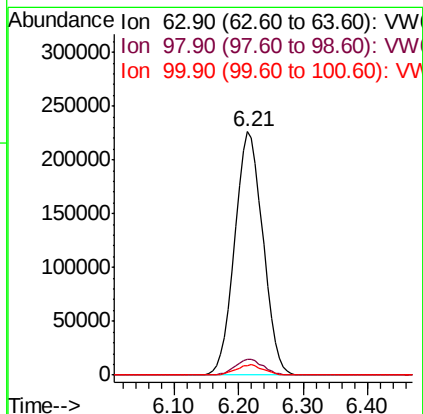
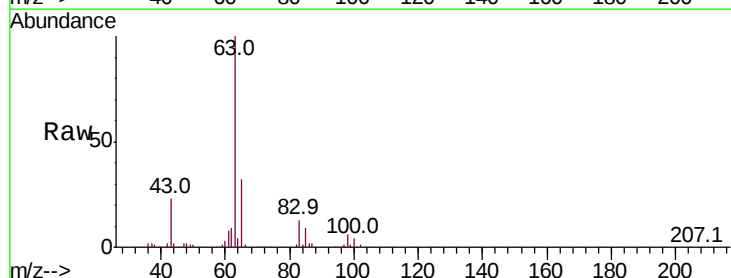
Tgt Ion: 63 Resp: 685141

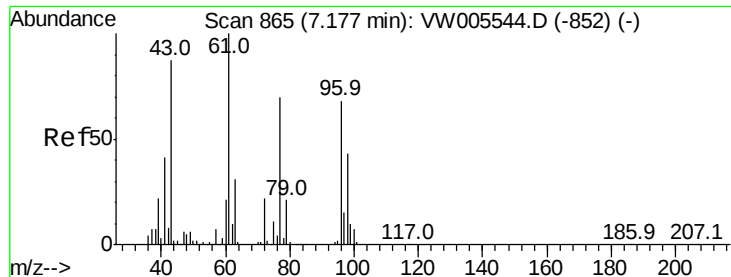
Ion Ratio Lower Upper

63 100

98 6.5 2.9 8.8

100 3.9 2.1 6.2





#25

2-Butanone

Concen: 839.663 ug/l

RT: 7.18 min Scan# 865

Delta R.T. -0.00 min

Lab File: VW005547.D

Acq: 20 Sep 2018 23:11

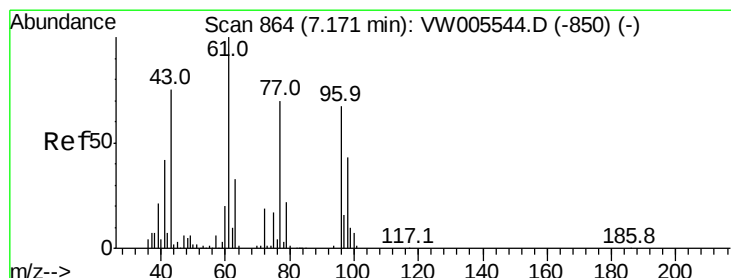
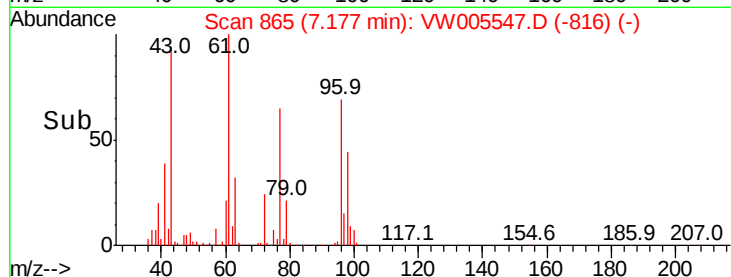
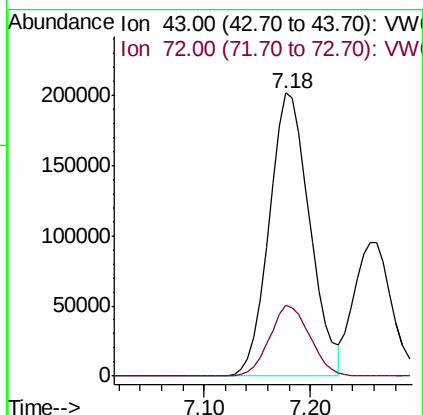
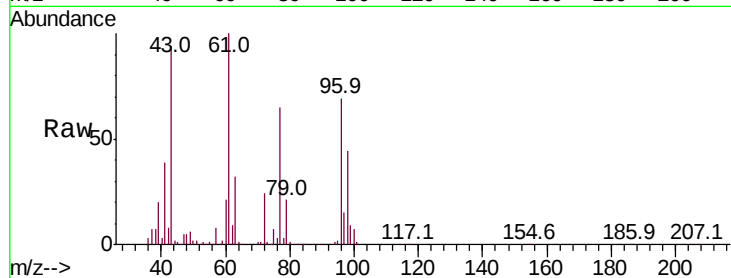
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 532210

Ion Ratio Lower Upper

43 100

72 25.0 19.9 29.9



#26

2,2-Dichloropropane

Concen: 114.987 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW005547.D

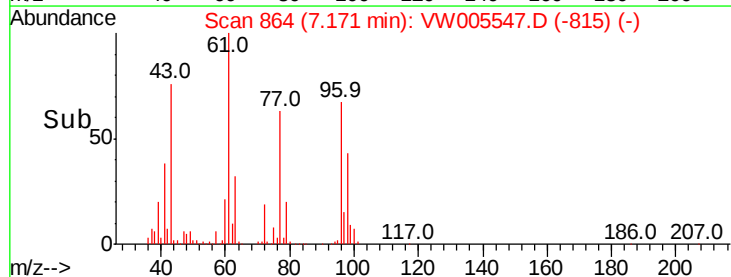
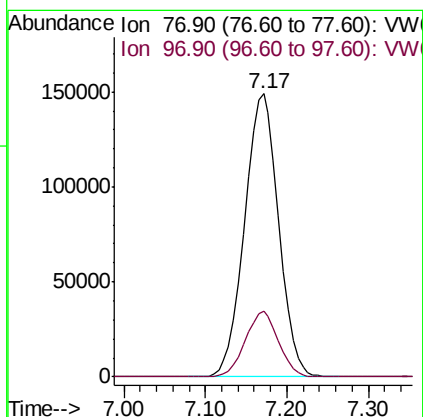
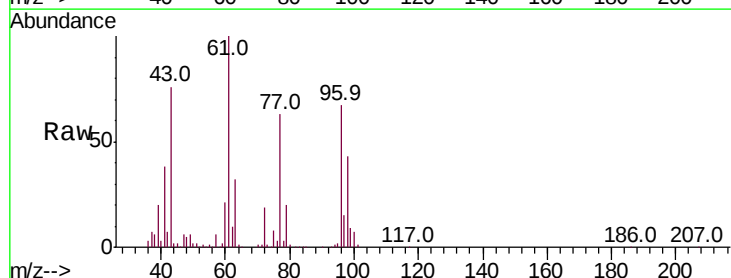
Acq: 20 Sep 2018 23:11

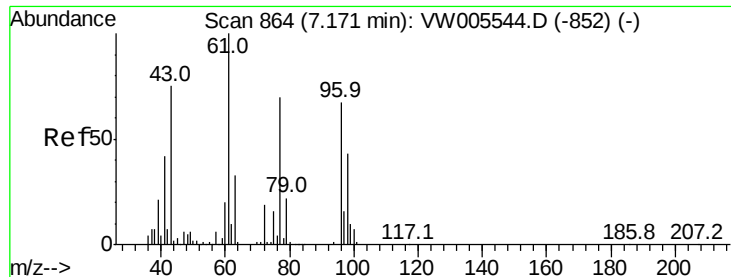
Tgt Ion: 77 Resp: 432603

Ion Ratio Lower Upper

77 100

97 22.5 11.0 33.0



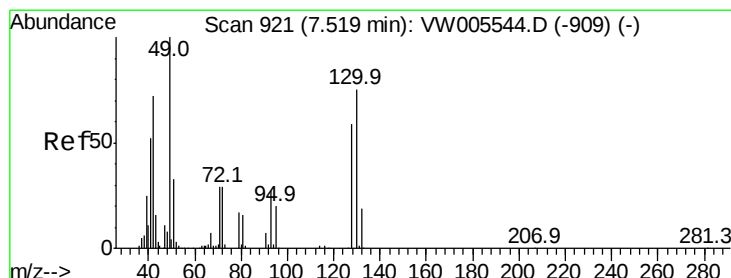
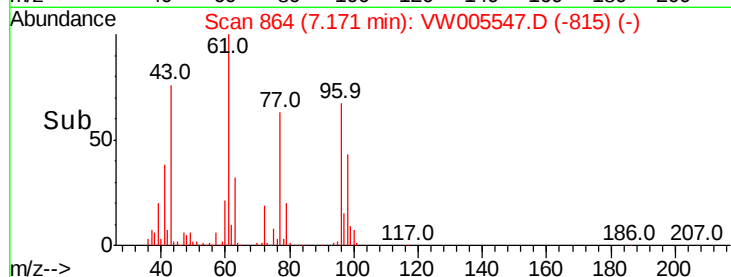
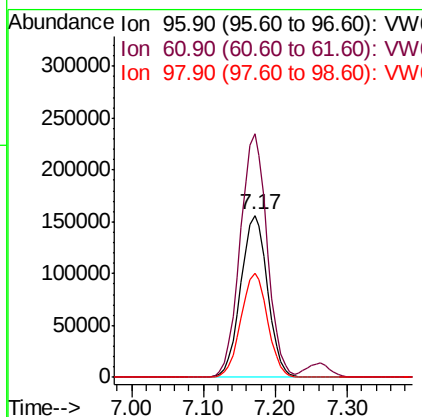
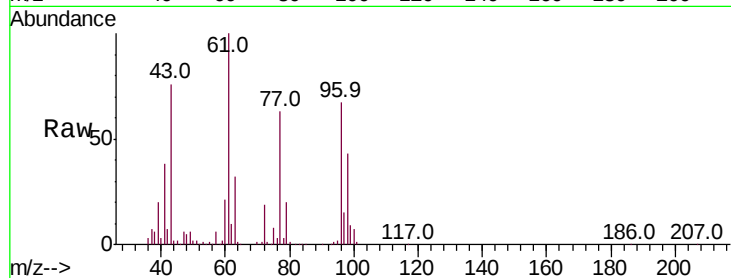


#27

cis-1,2-Dichloroethene
Concen: 157.728 ug/l
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW005547.D
Acq: 20 Sep 2018 23:11

Instrument :
MSVOA_W
ClientSampled :

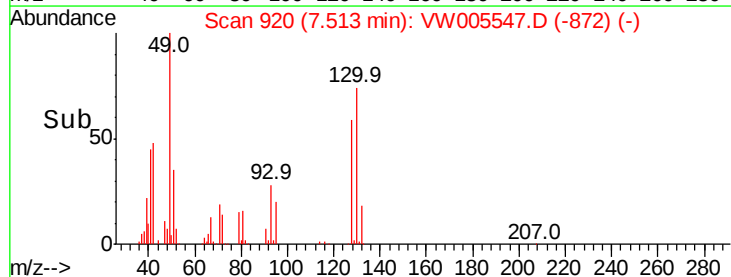
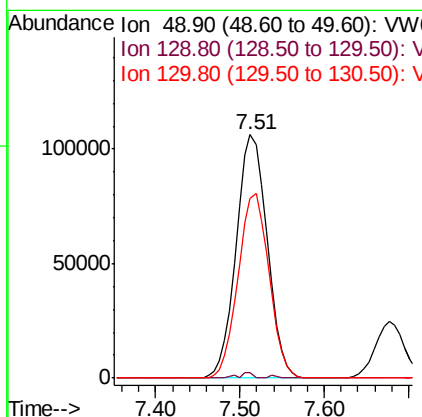
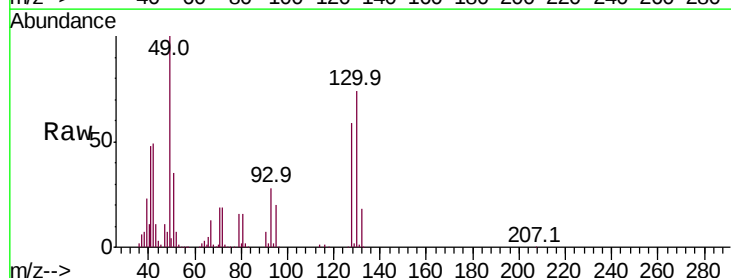
Tot Ion: 96 Resp: 405249
Ion Ratio Lower Upper
96 100
61 150.8 0.0 303.4
98 64.0 0.0 127.2

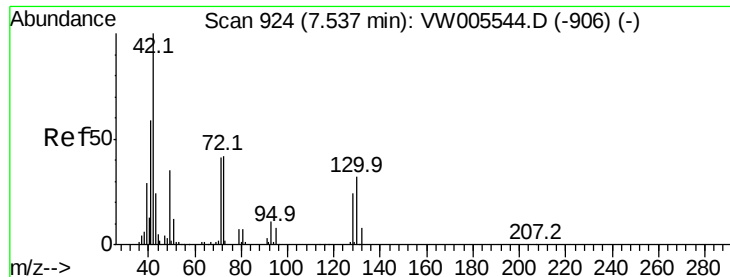


#28

Bromochloromethane
Concen: 154.897 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.01 min
Lab File: VW005547.D
Acq: 20 Sep 2018 23:11

Tgt Ion: 49 Resp: 264809
Ion Ratio Lower Upper
49 100
129 0.9 0.0 1.4
130 75.5 61.3 91.9





#29

Tetrahydrofuran

Concen: 867.693 ug/l

RT: 7.54 min Scan# 924

Delta R.T. -0.00 min

Lab File: VW005547.D

Acq: 20 Sep 2018 23:11

Instrument :

MSVOA_W

ClientSampled :

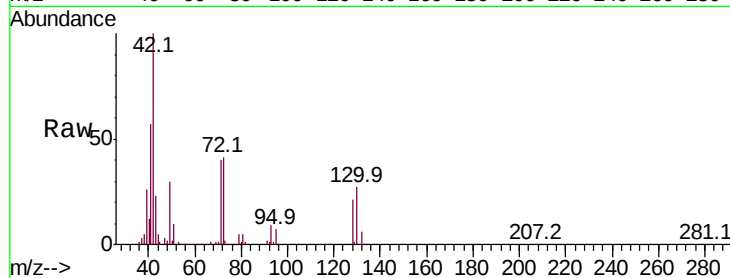
Tot Ion: 42 Resp: 351527

Ion Ratio Lower Upper

42 100

72 41.7 33.6 50.4

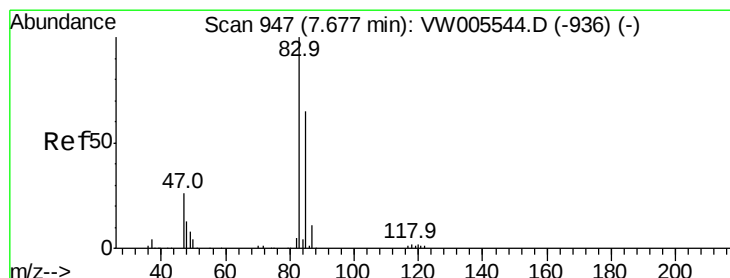
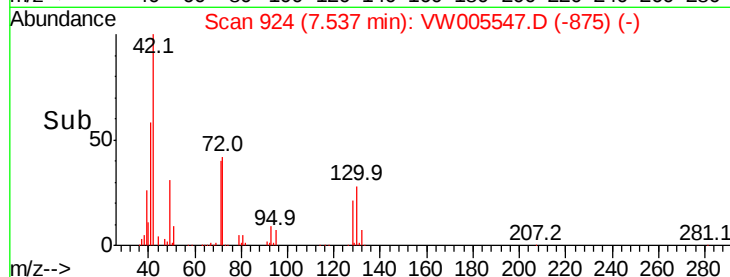
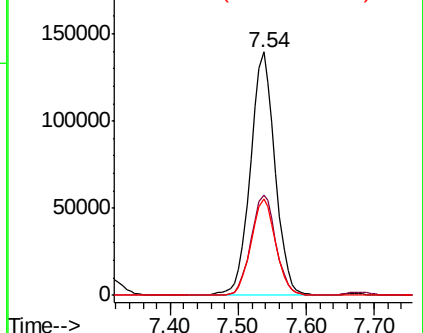
71 39.7 31.8 47.6



Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW



#30

Chloroform

Concen: 154.837 ug/l

RT: 7.68 min Scan# 947

Delta R.T. -0.00 min

Lab File: VW005547.D

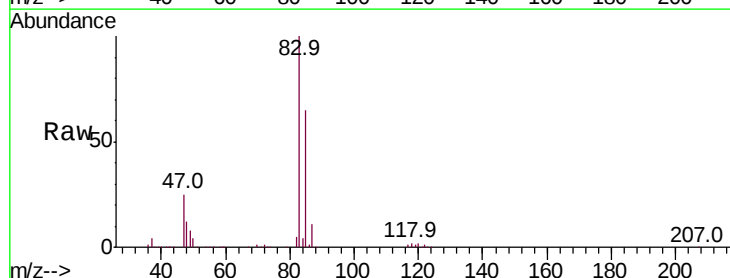
Acq: 20 Sep 2018 23:11

Tgt Ion: 83 Resp: 705852

Ion Ratio Lower Upper

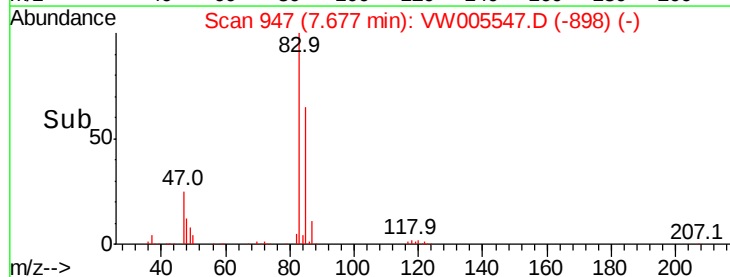
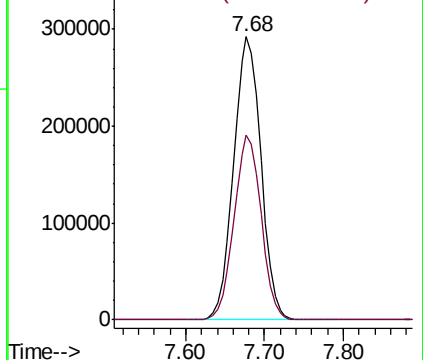
83 100

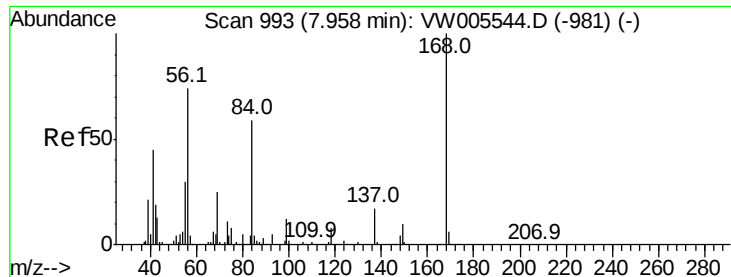
85 65.3 51.8 77.6



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

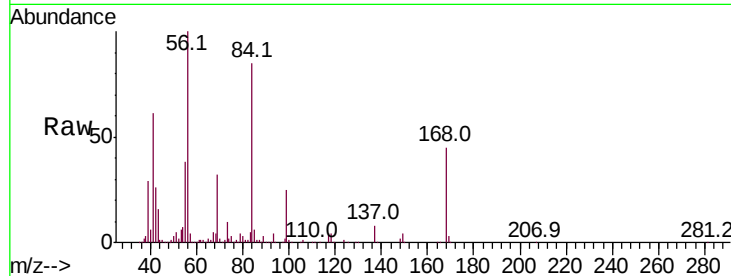




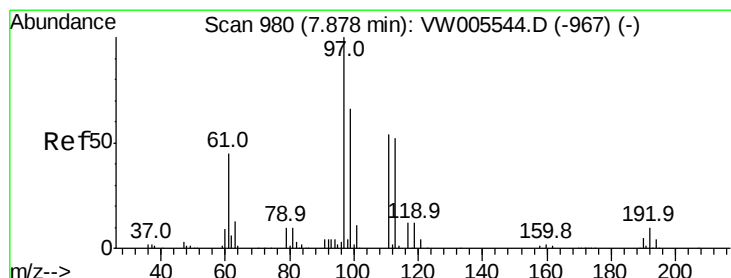
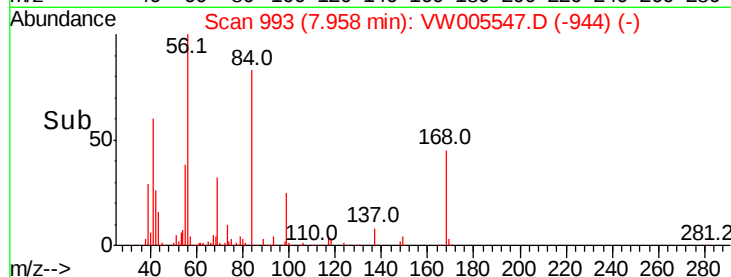
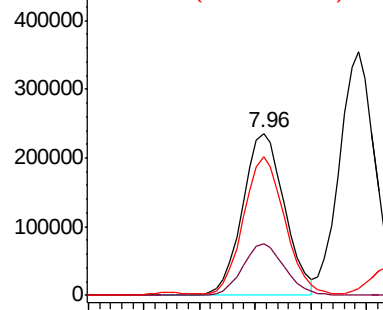
#31
Cyclohexane
Concen: 147.058 ug/l
RT: 7.96 min Scan# 993
Delta R.T. -0.00 min
Lab File: VW005547.D
Acq: 20 Sep 2018 23:11

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 616652
Ion Ratio Lower Upper
56 100
69 31.6 27.0 40.4
84 83.9 64.2 96.4

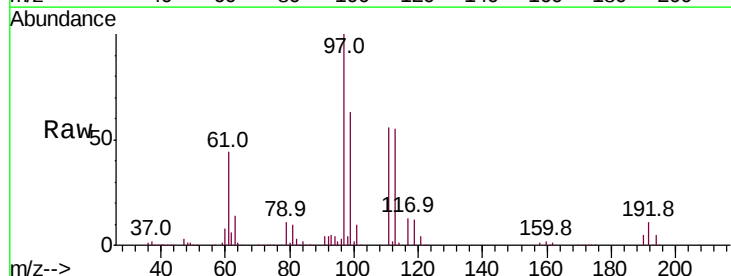


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

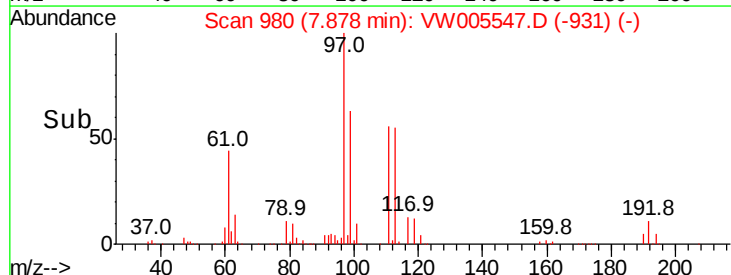
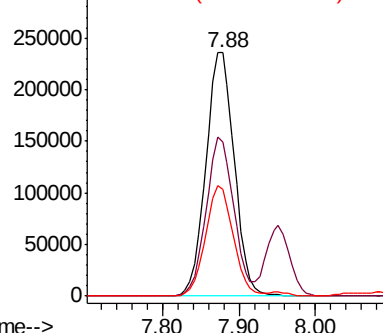


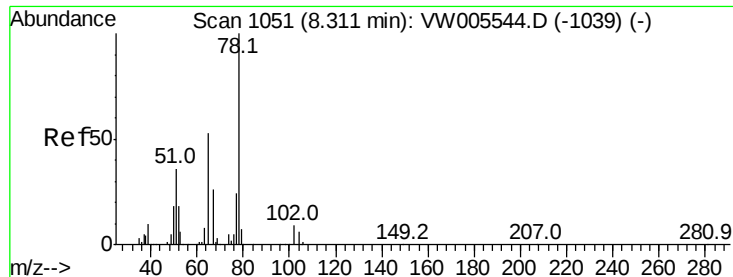
#32
1,1,1-Trichloroethane
Concen: 145.703 ug/l
RT: 7.88 min Scan# 980
Delta R.T. -0.00 min
Lab File: VW005547.D
Acq: 20 Sep 2018 23:11

Tgt Ion: 97 Resp: 606677
Ion Ratio Lower Upper
97 100
99 63.9 51.0 76.6
61 44.4 36.2 54.2



Abundance Ion 96.90 (96.60 to 97.60): VW
Ion 98.90 (98.60 to 99.60): VW
Ion 60.90 (60.60 to 61.60): VW

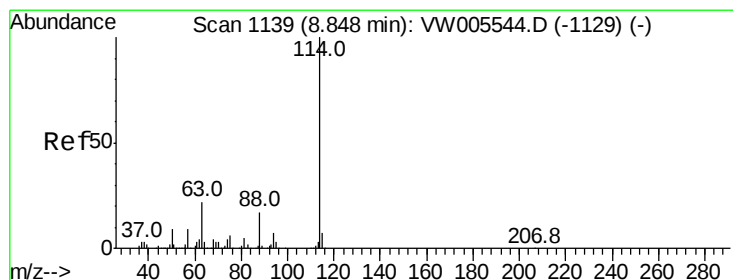
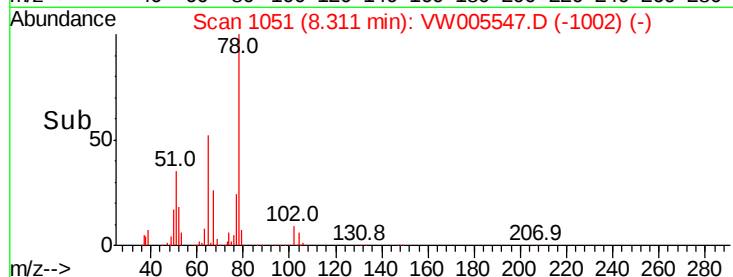
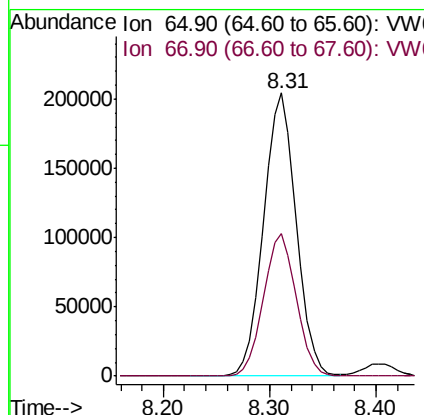
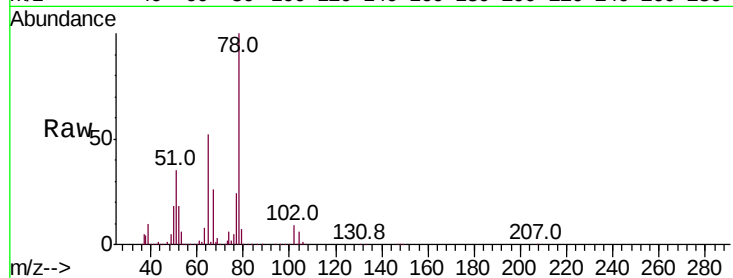




#33
 1,2-Dichloroethane-d4
 Concen: 163.394 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VW005547.D
 Acq: 20 Sep 2018 23:11

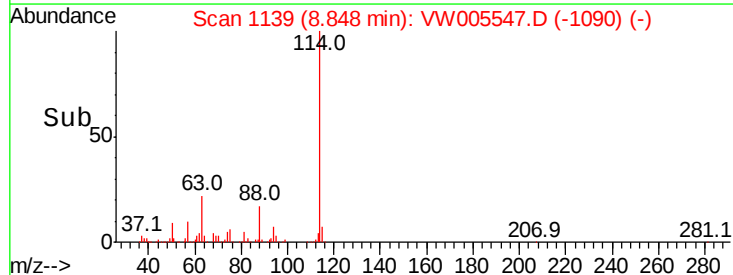
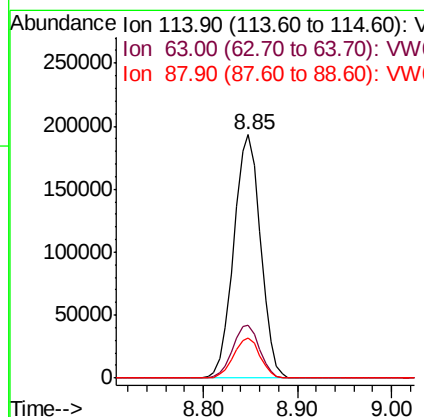
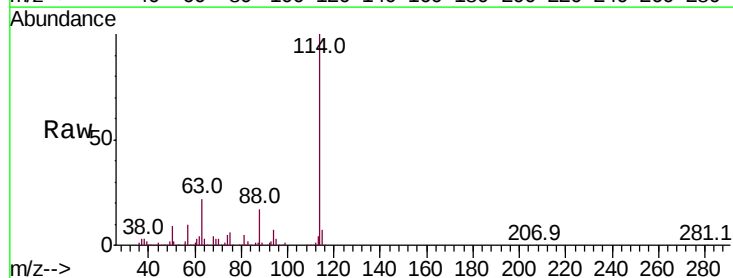
Instrument :
 MSVOA_W
 ClientSampleId :

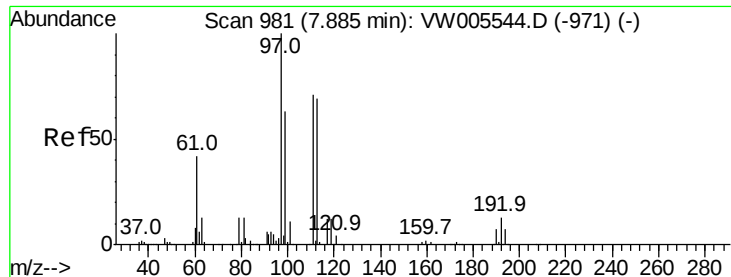
Tot Ion: 65 Resp: 437016
 Ion Ratio Lower Upper
 65 100
 67 50.8 0.0 100.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW005547.D
 Acq: 20 Sep 2018 23:11

Tgt Ion: 114 Resp: 381954
 Ion Ratio Lower Upper
 114 100
 63 21.9 0.0 43.0
 88 16.6 0.0 33.0





#35

Dibromofluoromethane

Concen: 163.310 ug/l

RT: 7.89 min Scan# 982

Delta R.T. 0.01 min

Lab File: VW005547.D

Acq: 20 Sep 2018 23:11

Instrument :

MSVOA_W

ClientSampleId :

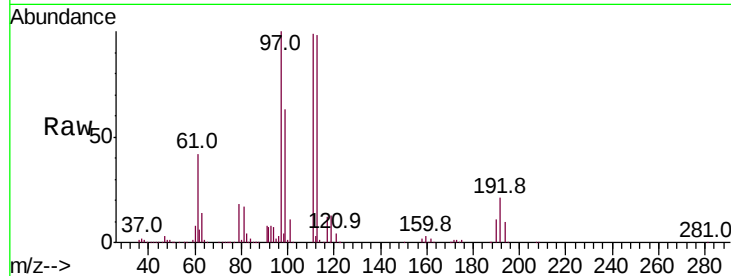
Tot Ion:113 Resp: 360960

Ion Ratio Lower Upper

113 100

111 102.5 82.6 123.8

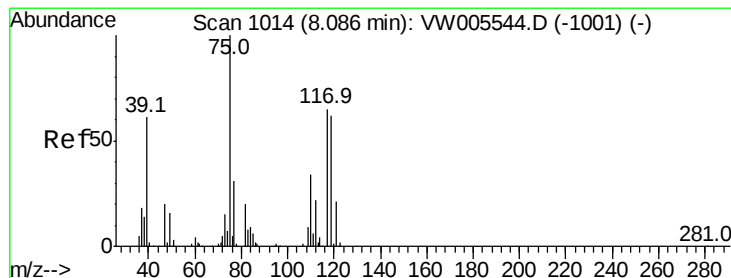
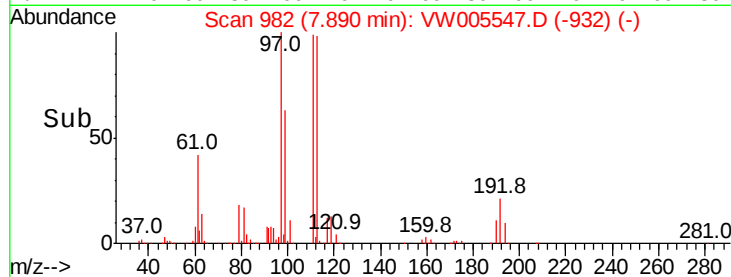
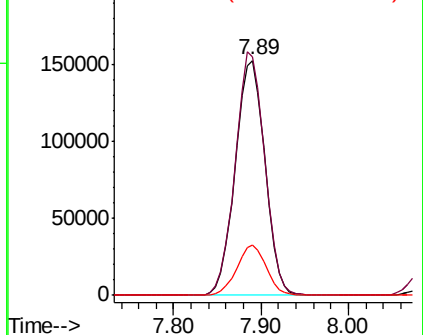
192 21.1 17.0 25.4



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: 149.368 ug/l

RT: 8.09 min Scan# 1014

Delta R.T. -0.00 min

Lab File: VW005547.D

Acq: 20 Sep 2018 23:11

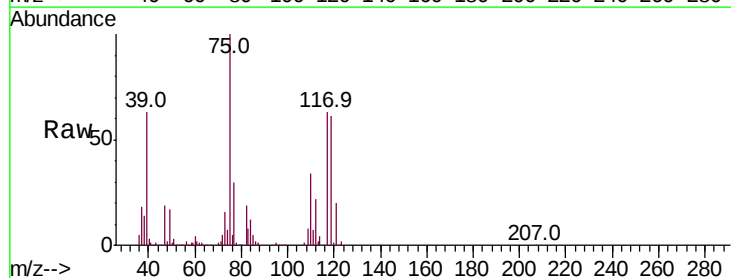
Tgt Ion: 75 Resp: 548834

Ion Ratio Lower Upper

75 100

110 34.0 17.0 50.9

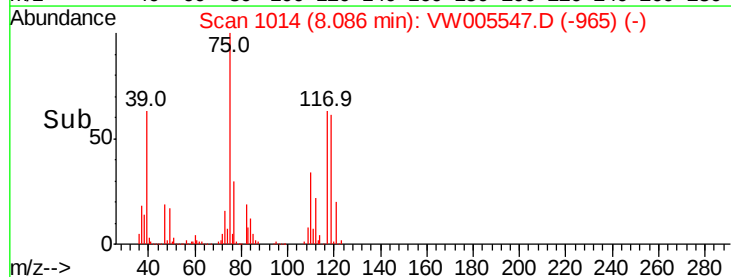
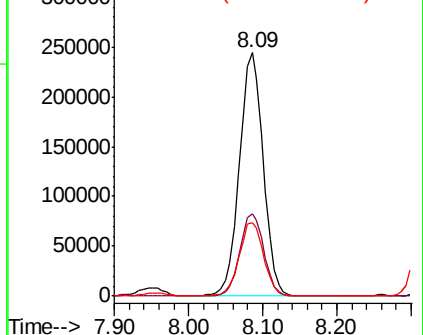
77 30.9 24.8 37.2

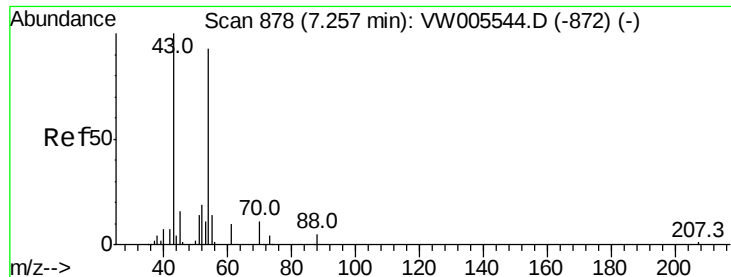


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

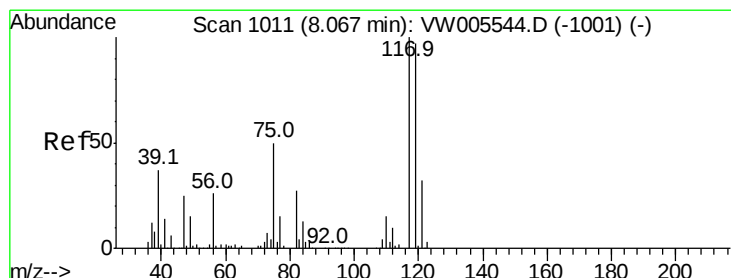
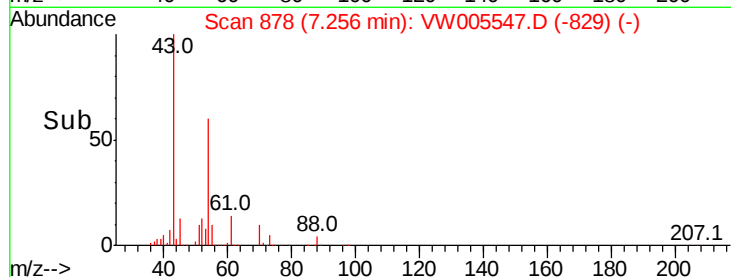
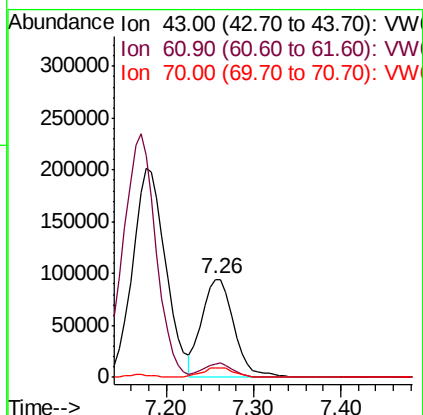
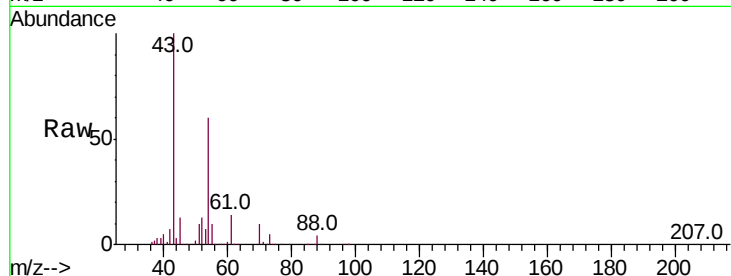




#37
Ethyl Acetate
Concen: 160.548 ug/l
RT: 7.26 min Scan# 878
Delta R.T. -0.00 min
Lab File: VW005547.D
Acq: 20 Sep 2018 23:11

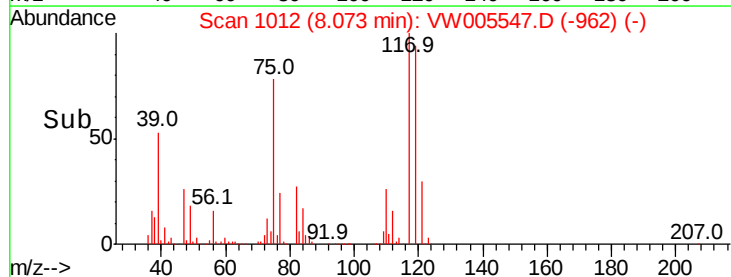
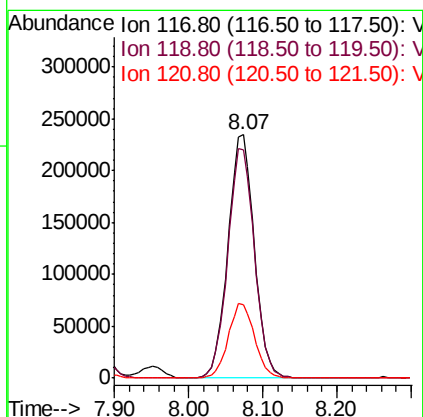
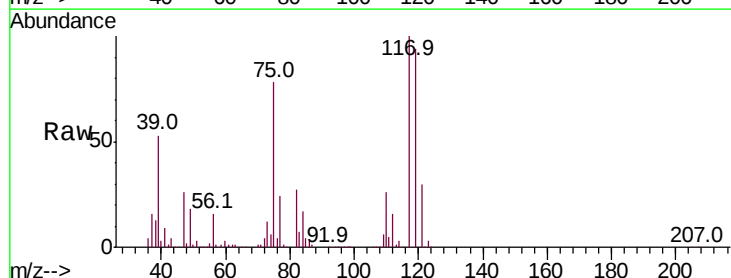
Instrument :
MSVOA_W
ClientSampled :

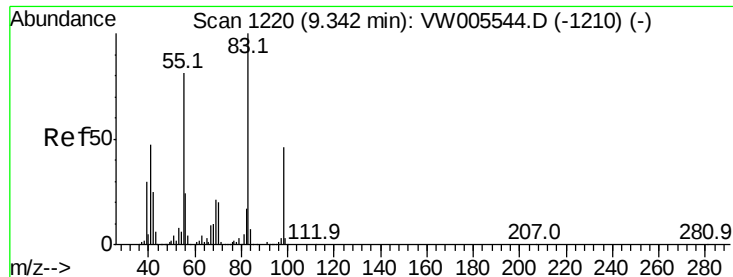
Tot Ion: 43 Resp: 241782
Ion Ratio Lower Upper
43 100
61 13.6 10.4 15.6
70 10.0 8.2 12.2



#38
Carbon Tetrachloride
Concen: 150.227 ug/l
RT: 8.07 min Scan# 1012
Delta R.T. 0.01 min
Lab File: VW005547.D
Acq: 20 Sep 2018 23:11

Tgt Ion: 117 Resp: 578945
Ion Ratio Lower Upper
117 100
119 93.5 77.6 116.4
121 30.1 25.7 38.5

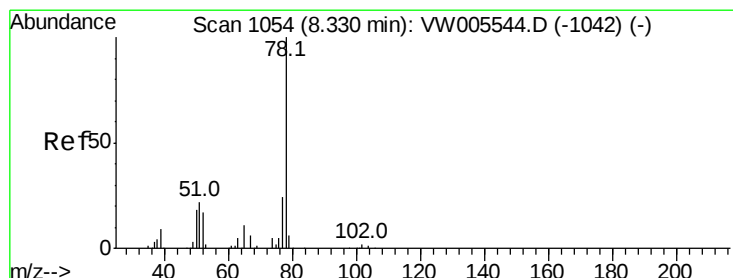
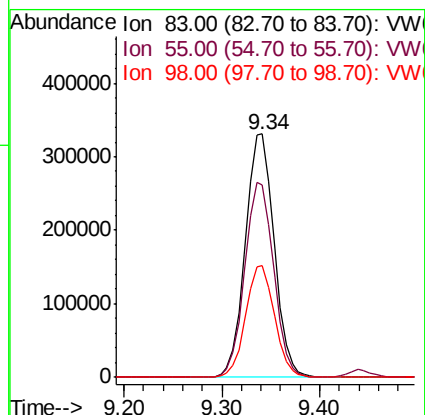
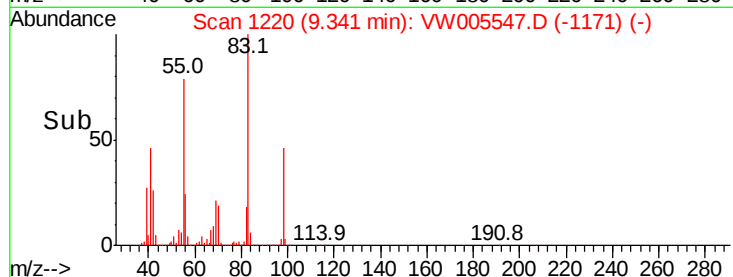
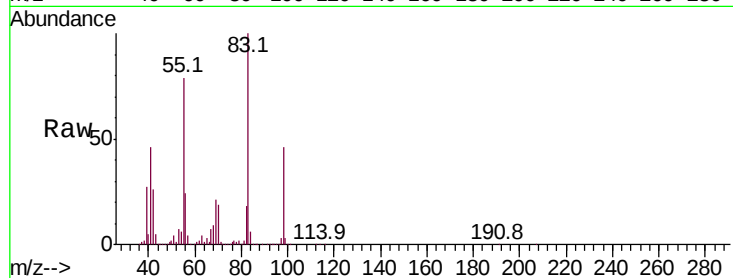




#39
Methvlcvclohexane
Concen: 159.056 ug/l
RT: 9.34 min Scan# 1220
Delta R.T. -0.00 min
Lab File: VW005547.D
Acq: 20 Sep 2018 23:11

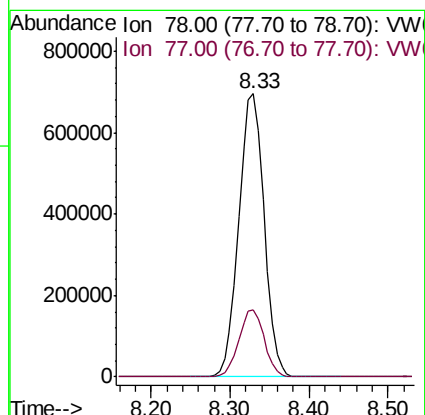
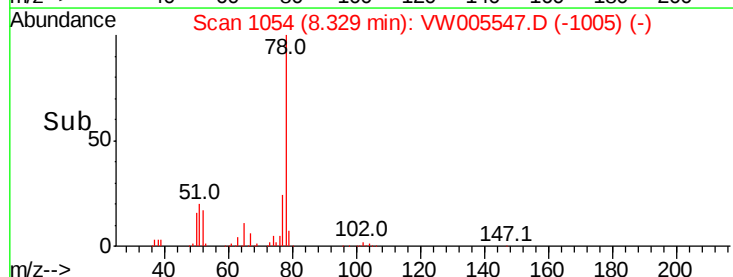
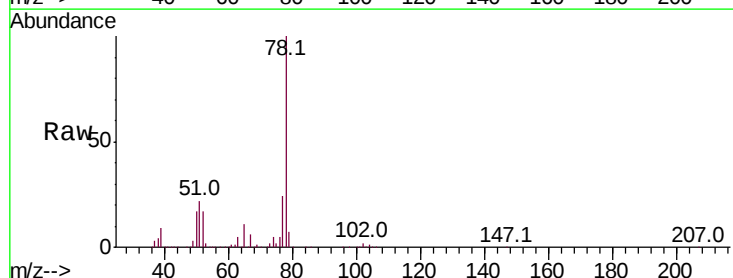
Instrument :
MSVOA_W
ClientSampleId :

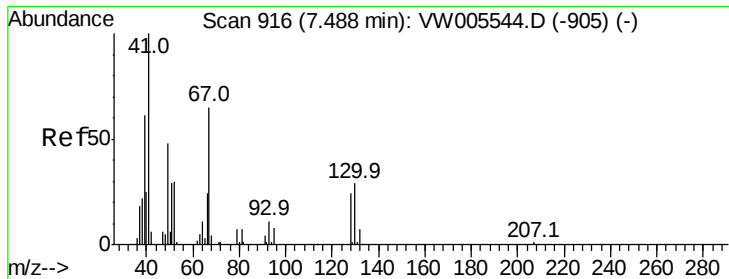
Tot Ion: 83 Resp: 677627
Ion Ratio Lower Upper
83 100
55 79.3 64.6 97.0
98 45.9 37.0 55.6



#40
Benzene
Concen: 146.987 ug/l
RT: 8.33 min Scan# 1054
Delta R.T. -0.00 min
Lab File: VW005547.D
Acq: 20 Sep 2018 23:11

Tgt Ion: 78 Resp: 1555829
Ion Ratio Lower Upper
78 100
77 23.8 19.0 28.4

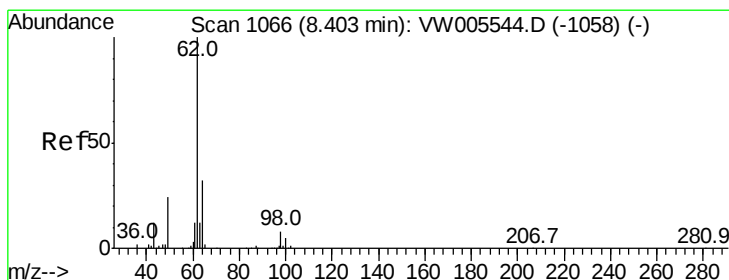
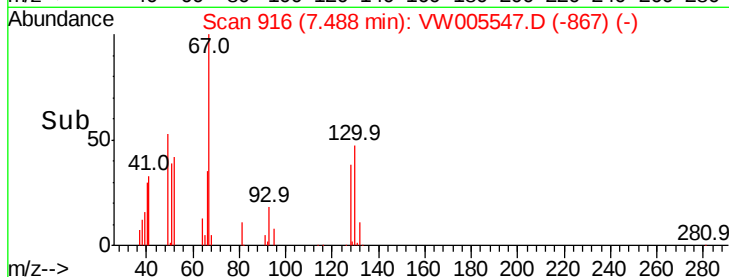
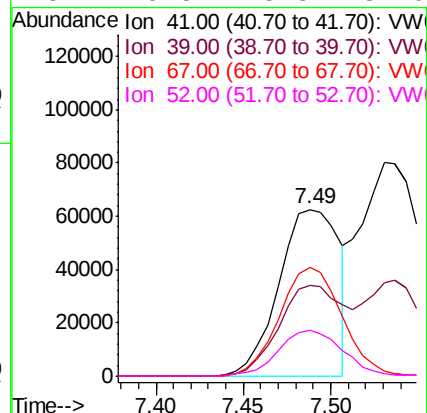
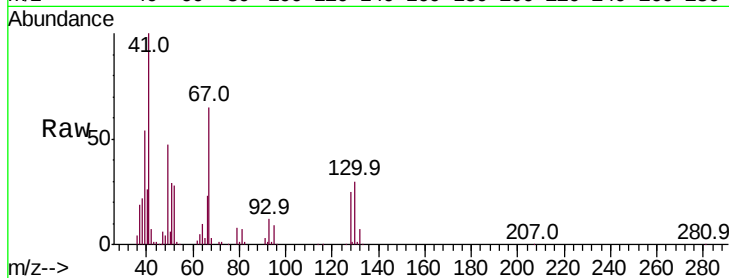




#41
Methacrylonitrile
Concen: 166.852 ug/l
RT: 7.49 min Scan# 916
Delta R.T. -0.00 min
Lab File: VW005547.D
Acq: 20 Sep 2018 23:11

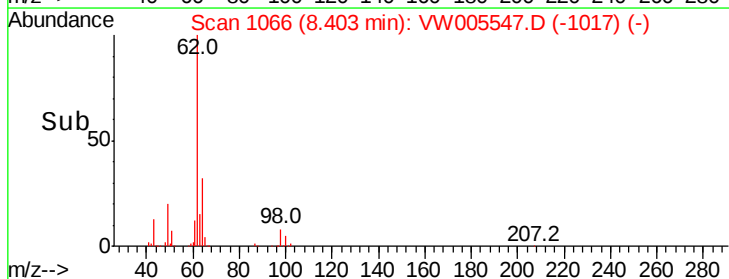
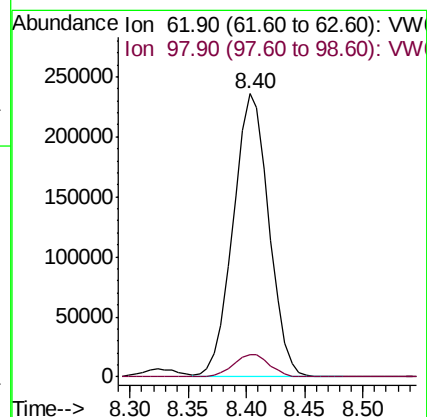
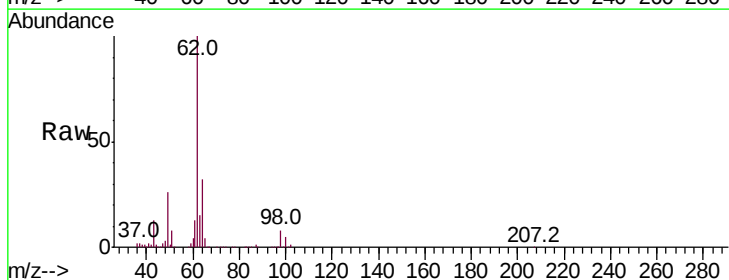
Instrument :
MSVOA_W
ClientSampled :

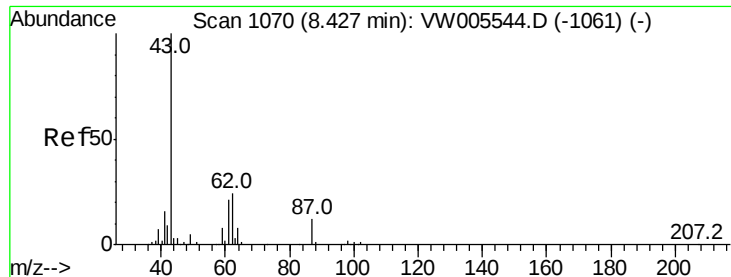
Tot Ion:	41	Resp:	150516
Ion	Ratio	Lower	Upper
41	100		
39	60.3	45.4	68.2
67	68.1	55.2	82.8
52	29.8	25.3	37.9



#42
1,2-Dichloroethane
Concen: 150.214 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW005547.D
Acq: 20 Sep 2018 23:11

Tgt Ion:	62	Resp:	502388
Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	15.6





#43

Isopropyl Acetate

Concen: 172.395 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW005547.D

Acq: 20 Sep 2018 23:11

Instrument :

MSVOA_W

ClientSampleId :

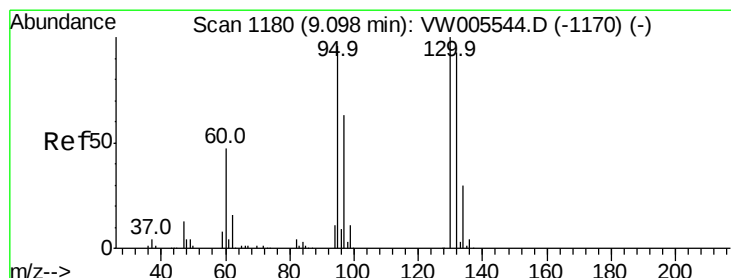
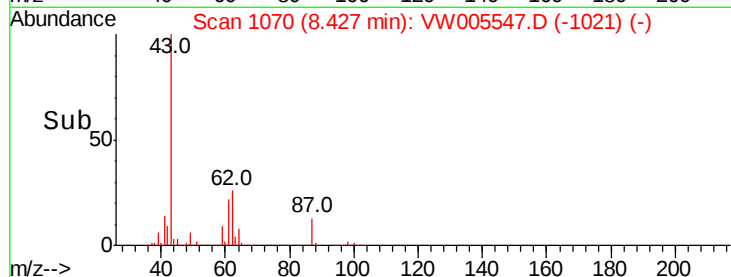
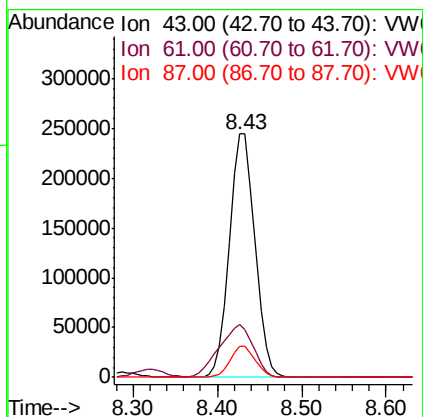
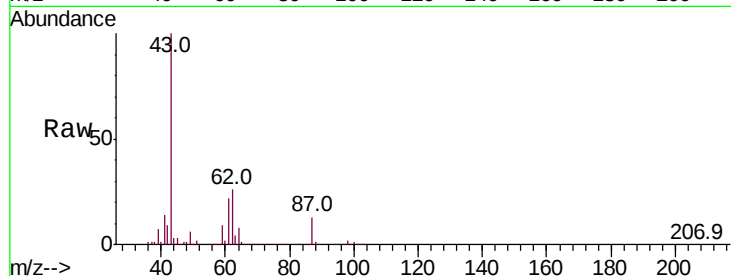
Tot Ion: 43 Resp: 503633

Ion Ratio Lower Upper

43 100

61 29.1 24.1 36.1

87 12.6 9.8 14.8



#44

Trichloroethene

Concen: 147.884 ug/l

RT: 9.10 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VW005547.D

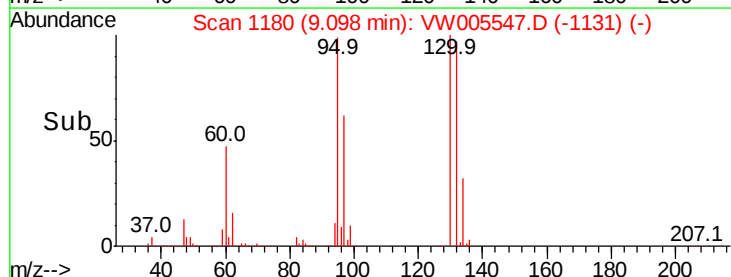
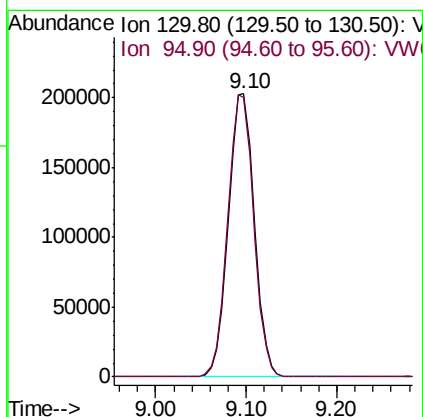
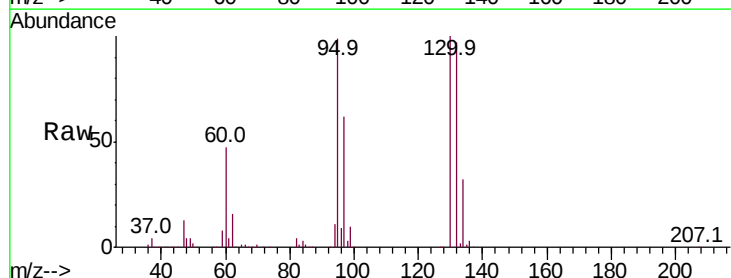
Acq: 20 Sep 2018 23:11

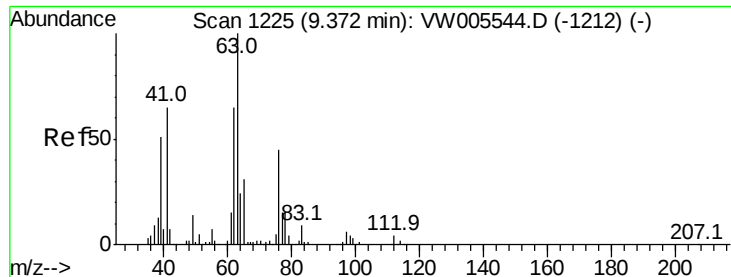
Tgt Ion:130 Resp: 403004

Ion Ratio Lower Upper

130 100

95 98.8 0.0 191.2





#45

1,2-Dichloropropane

Concen: 153.775 ug/l

RT: 9.37 min Scan# 1225

Delta R.T. -0.00 min

Lab File: VW005547.D

Acq: 20 Sep 2018 23:11

Instrument :

MSVOA_W

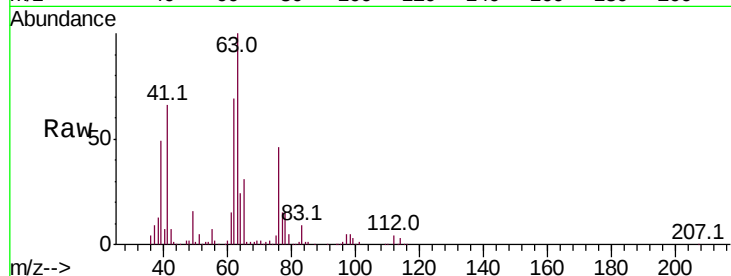
ClientSampleId :

Tot Ion: 63 Resp: 391880

Ion Ratio Lower Upper

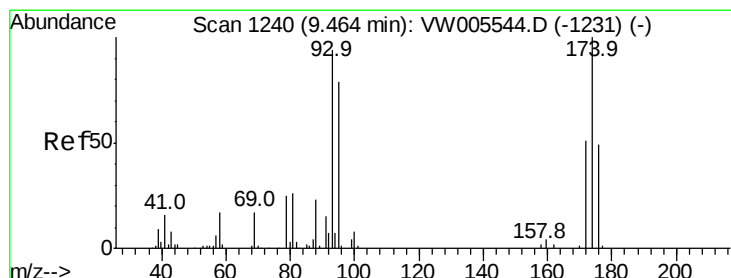
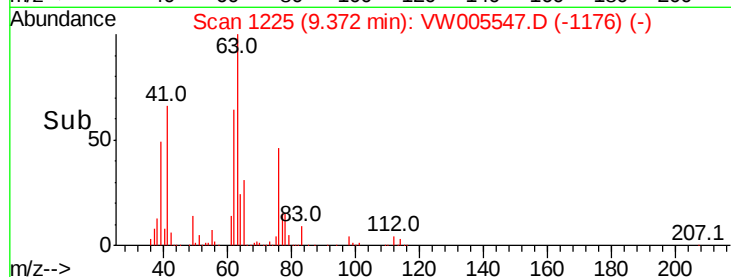
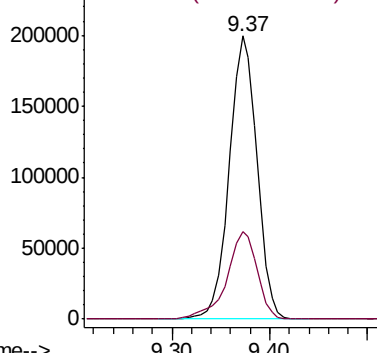
63 100

65 30.9 24.7 37.1



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW



#46

Dibromomethane

Concen: 155.347 ug/l

RT: 9.46 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VW005547.D

Acq: 20 Sep 2018 23:11

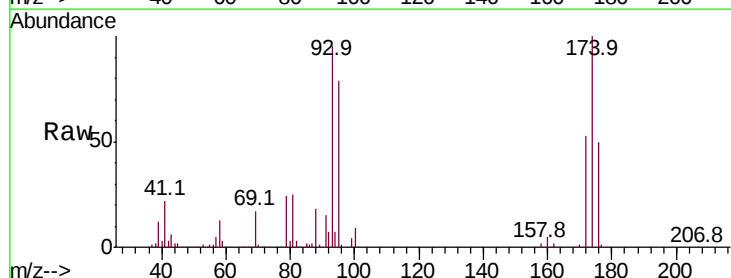
Tgt Ion: 93 Resp: 195638

Ion Ratio Lower Upper

93 100

95 82.4 65.8 98.8

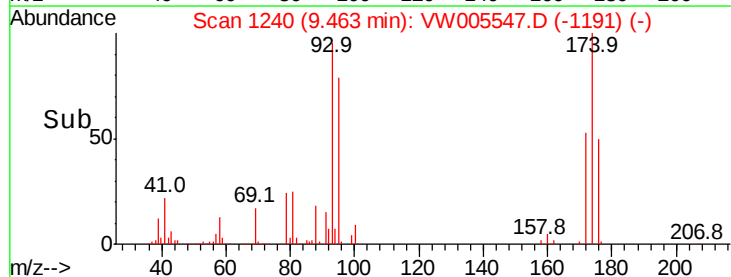
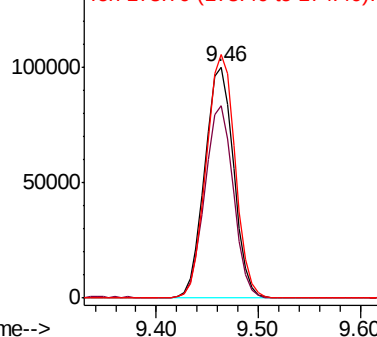
174 105.7 84.0 126.0

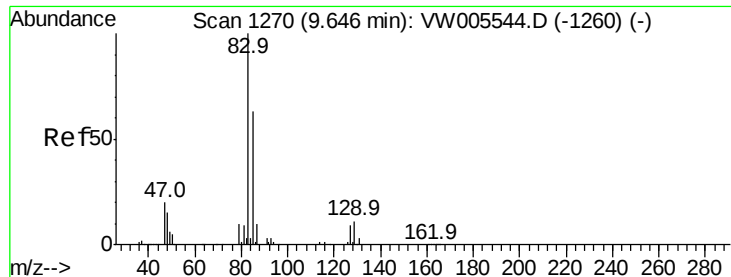


Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 157.905 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW005547.D

Acq: 20 Sep 2018 23:11

Instrument :
MSVOA_W
ClientSampleId :

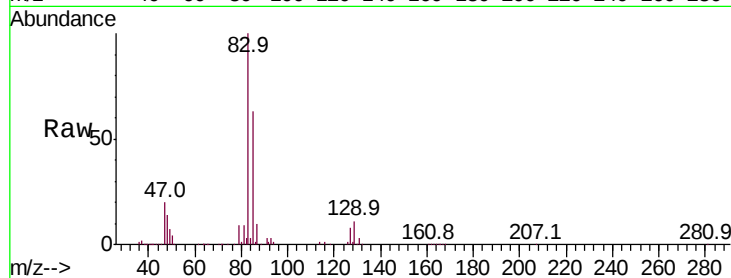
Tot Ion: 83 Resp: 537199

Ion Ratio Lower Upper

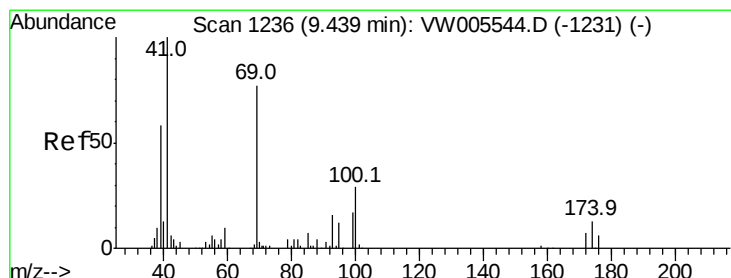
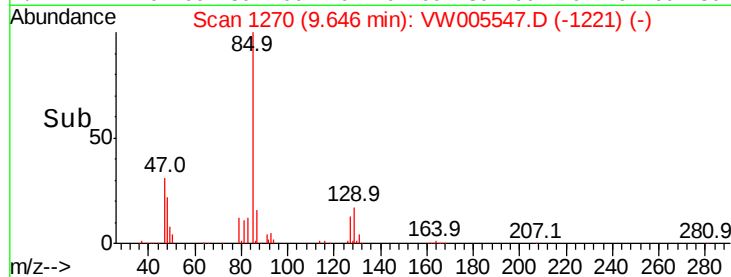
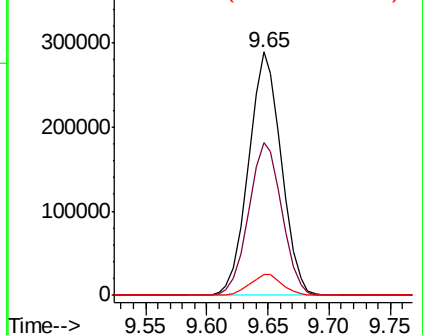
83 100

85 62.7 50.5 75.7

127 8.3 7.0 10.6



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 173.435 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. -0.00 min

Lab File: VW005547.D

Acq: 20 Sep 2018 23:11

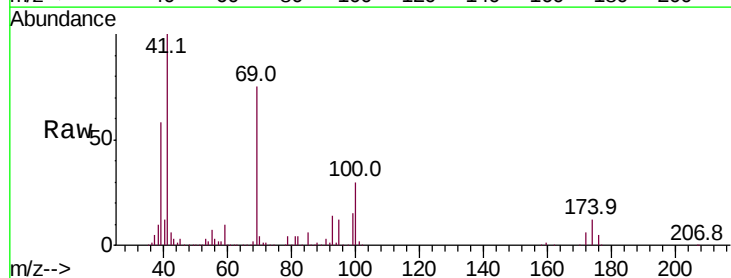
Tgt Ion: 41 Resp: 250617

Ion Ratio Lower Upper

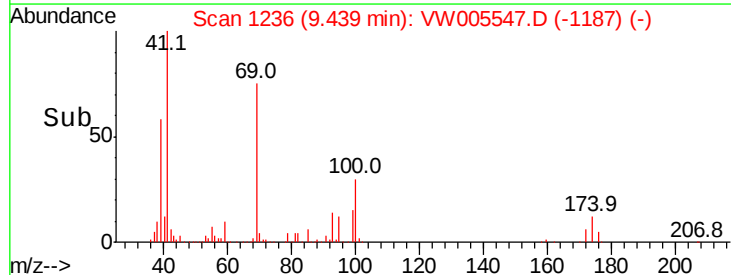
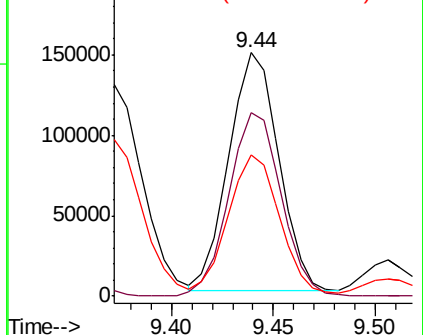
41 100

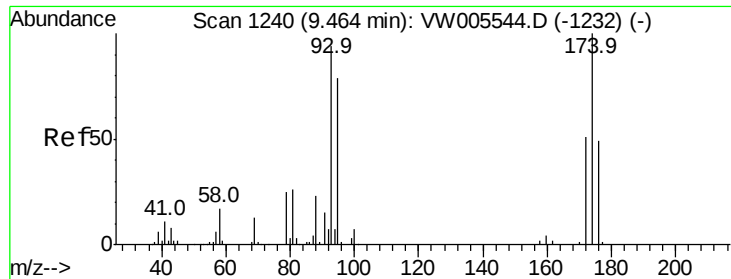
69 81.4 64.7 97.1

39 59.1 50.5 75.7



Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 39.00 (38.70 to 39.70): VW

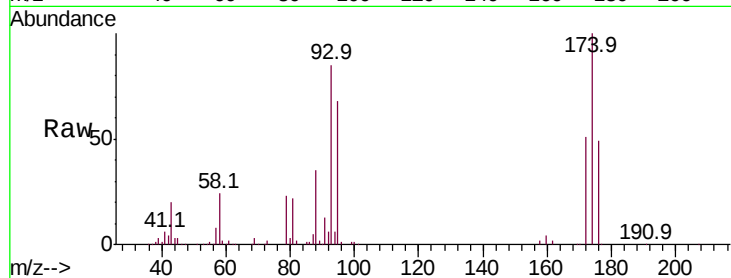




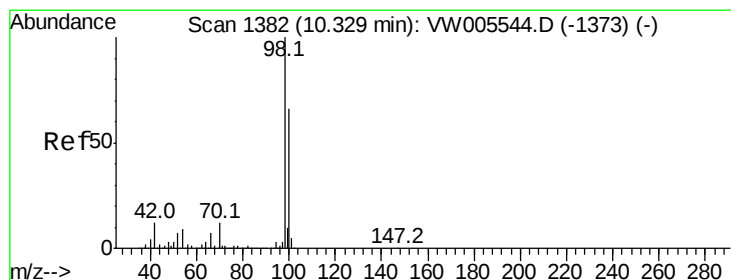
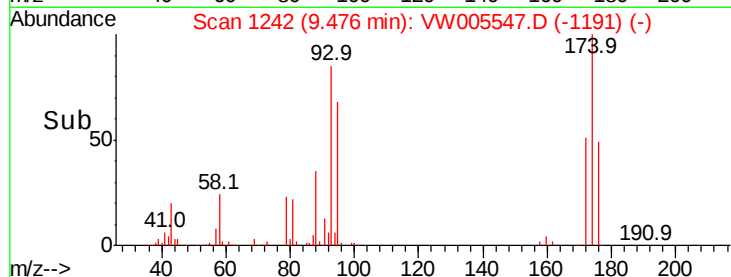
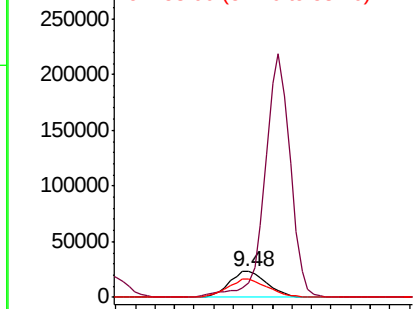
#49
1,4-Dioxane
Concen: 3061.035 ug/l
RT: 9.48 min Scan# 1242
Delta R.T. 0.01 min
Lab File: VW005547.D
Acq: 20 Sep 2018 23:11

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 88 Resp: 62668
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 75.3 61.2 91.8

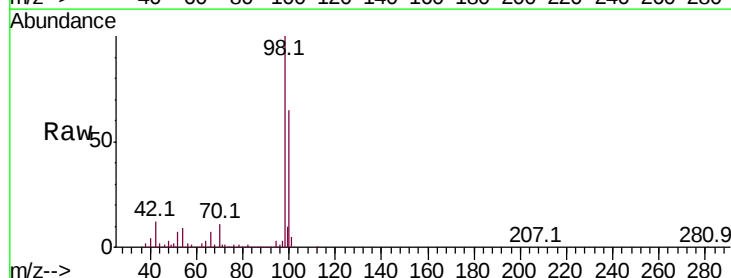


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

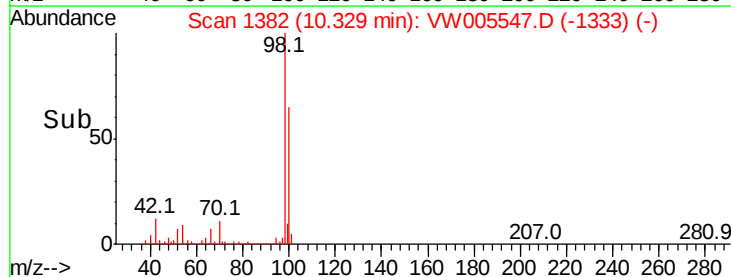
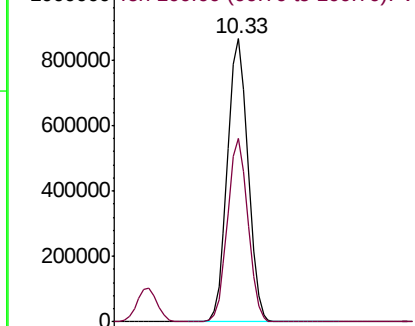


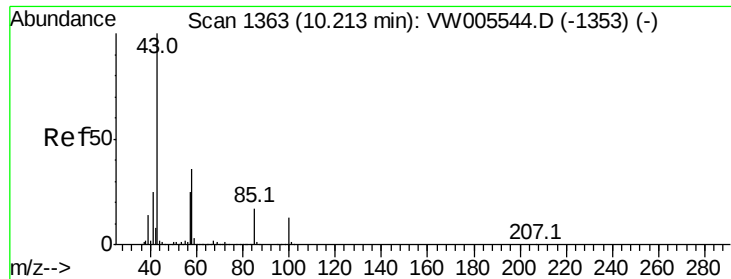
#50
Toluene-d8
Concen: 151.807 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VW005547.D
Acq: 20 Sep 2018 23:11

Tgt Ion: 98 Resp: 1497223
Ion Ratio Lower Upper
98 100
100 64.1 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 845.781 ug/l

RT: 10.22 min Scan# 1364

Delta R.T. 0.01 min

Lab File: VW005547.D

Acq: 20 Sep 2018 23:11

Instrument :

MSVOA_W

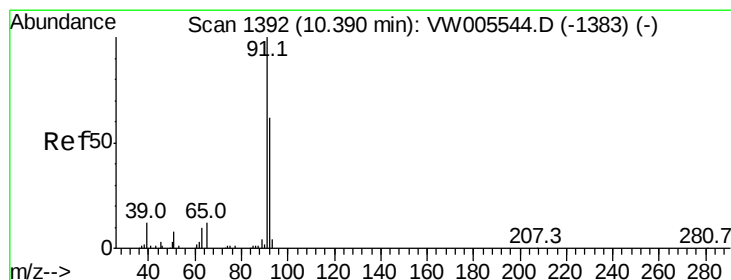
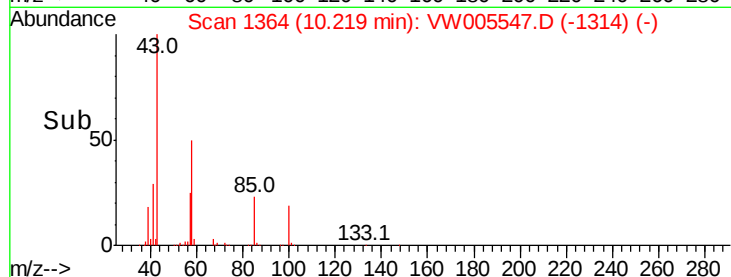
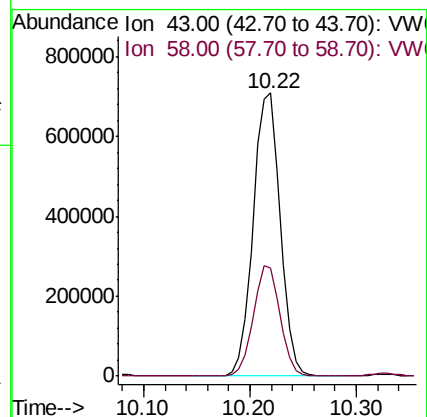
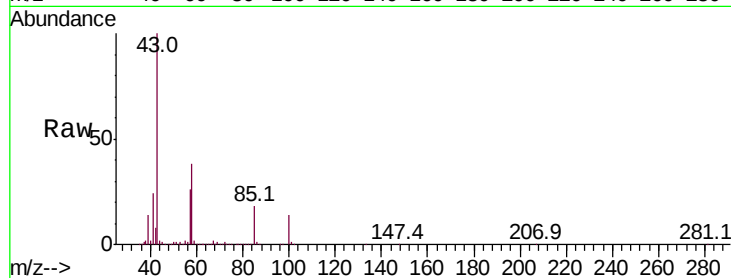
ClientSampleId :

Tot Ion: 43 Resp: 1263762

Ion Ratio Lower Upper

43 100

58 38.4 30.0 45.0



#52

Toluene

Concen: 142.394 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW005547.D

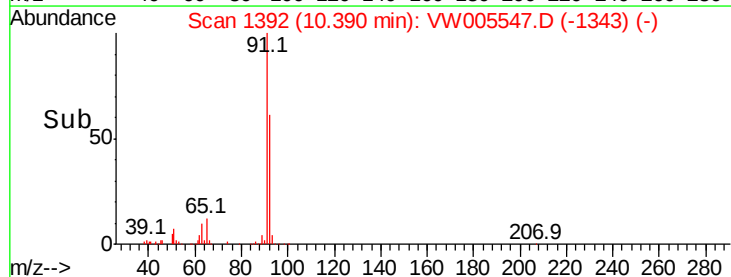
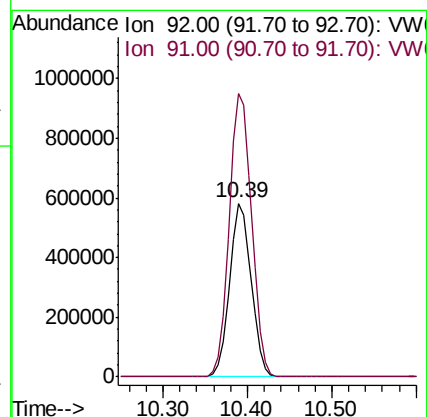
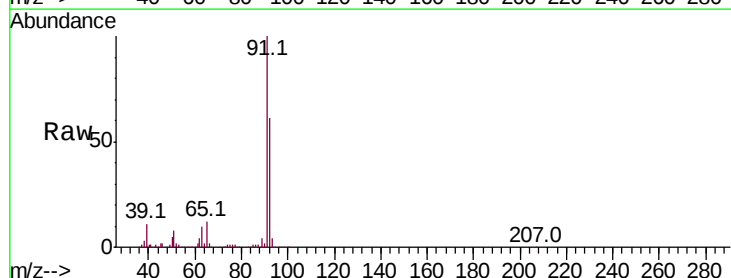
Acq: 20 Sep 2018 23:11

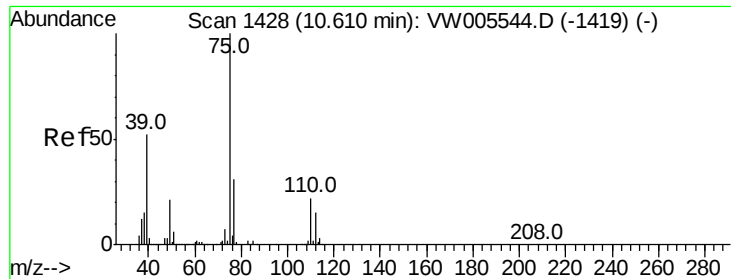
Tgt Ion: 92 Resp: 1005689

Ion Ratio Lower Upper

92 100

91 169.7 137.1 205.7





#53

t-1,3-Dichloropropene

Concen: 166.873 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW005547.D

Acq: 20 Sep 2018 23:11

Instrument :

MSVOA_W

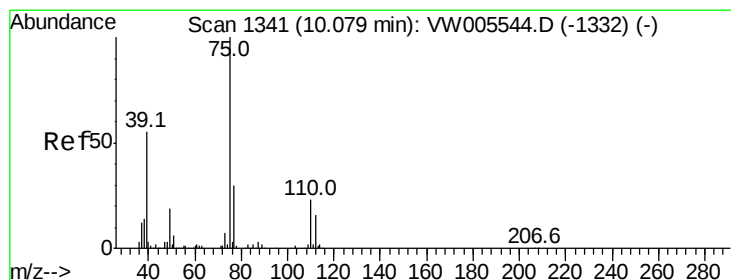
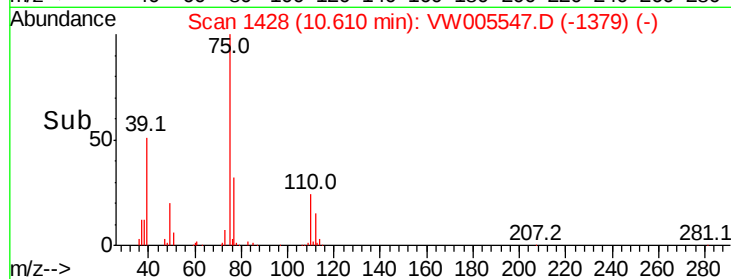
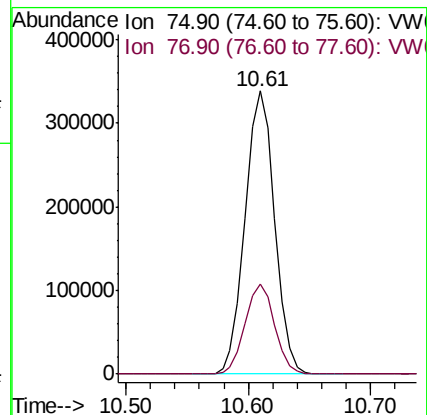
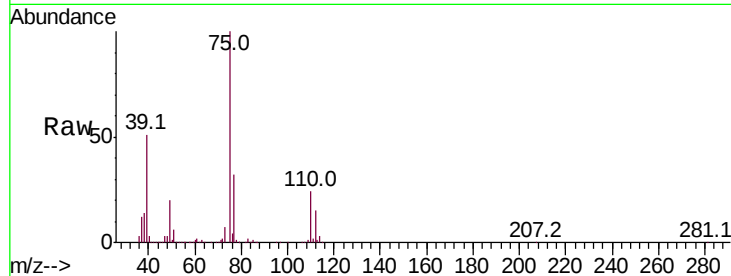
ClientSampleId :

Tot Ion: 75 Resp: 568458

Ion Ratio Lower Upper

75 100

77 31.9 24.6 37.0



#54

cis-1,3-Dichloropropene

Concen: 165.547 ug/l

RT: 10.08 min Scan# 1341

Delta R.T. -0.00 min

Lab File: VW005547.D

Acq: 20 Sep 2018 23:11

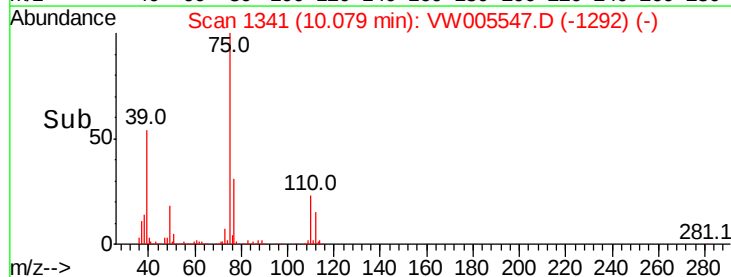
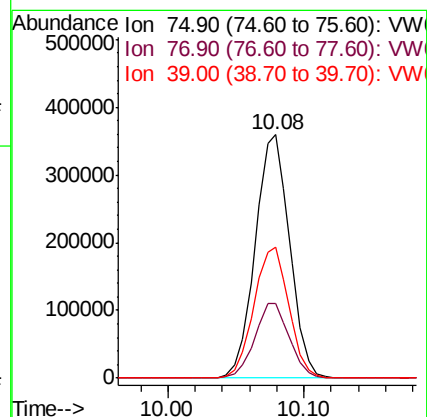
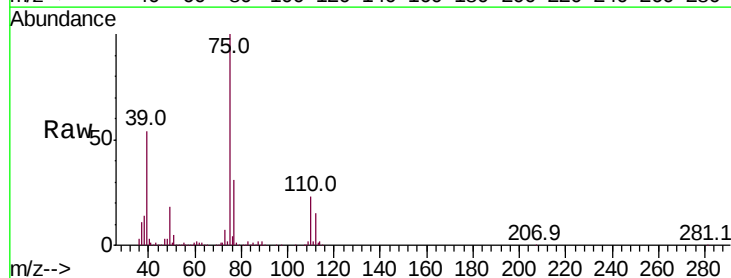
Tgt Ion: 75 Resp: 638202

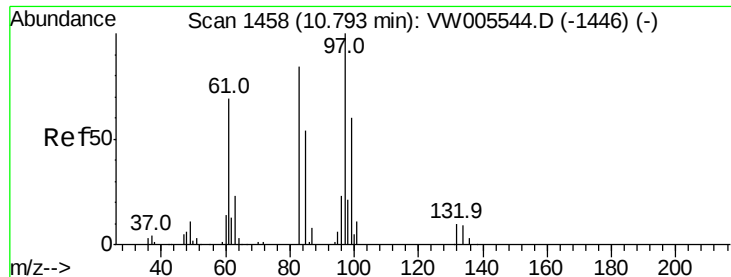
Ion Ratio Lower Upper

75 100

77 30.6 24.3 36.5

39 53.8 43.7 65.5





#55

1,1,2-Trichloroethane

Concen: 151.650 ug/l

RT: 10.79 min Scan# 1458

Delta R.T. -0.00 min

Lab File: VW005547.D

Acq: 20 Sep 2018 23:11

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 97 Resp: 282044

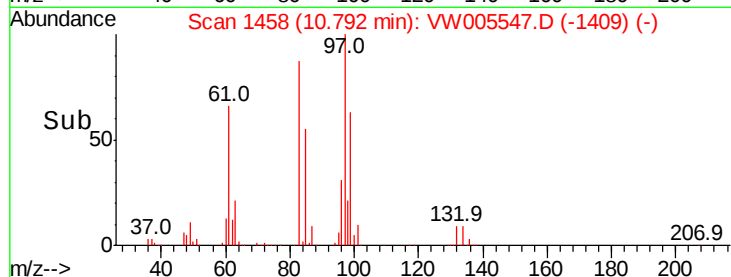
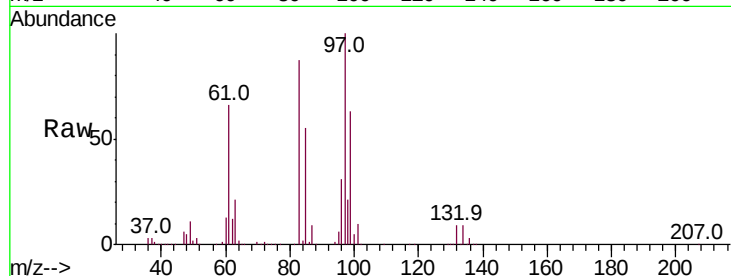
Ion	Ratio	Lower	Upper
97	100		
83	86.7	67.4	101.2
85	54.5	43.3	64.9
99	62.5	48.0	72.0

97 100

83 86.7 67.4 101.2

85 54.5 43.3 64.9

99 62.5 48.0 72.0



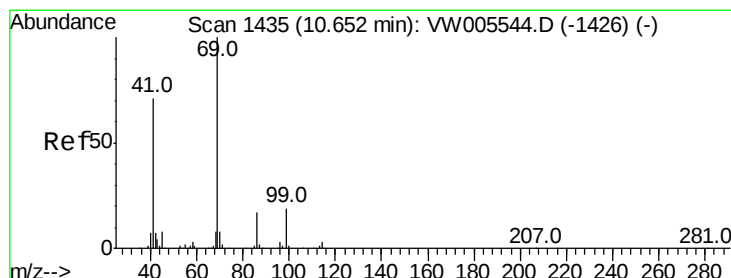
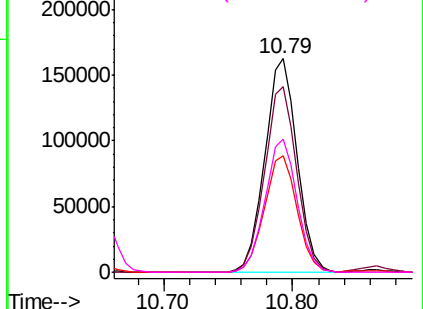
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 171.651 ug/l

RT: 10.65 min Scan# 1435

Delta R.T. -0.00 min

Lab File: VW005547.D

Acq: 20 Sep 2018 23:11

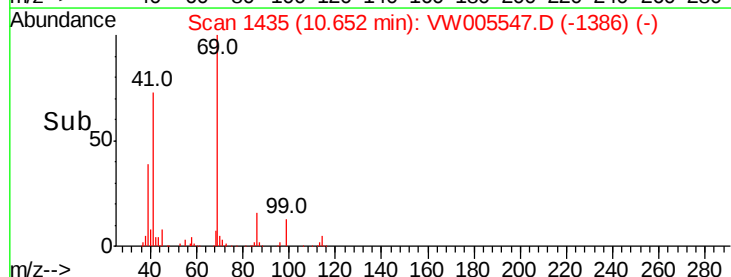
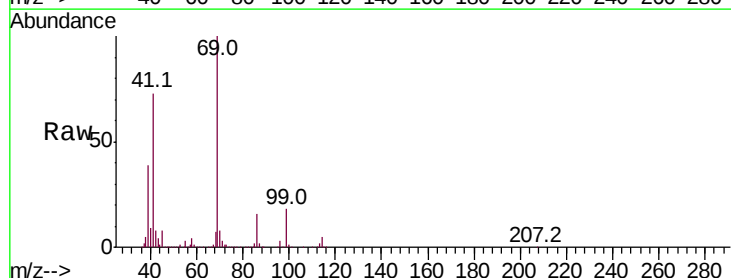
Tgt Ion: 69 Resp: 399631

Ion	Ratio	Lower	Upper
69	100		
41	72.6	57.3	85.9
39	35.7	29.2	43.8

69 100

41 72.6 57.3 85.9

39 35.7 29.2 43.8

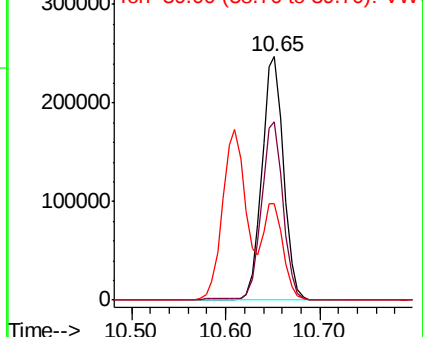


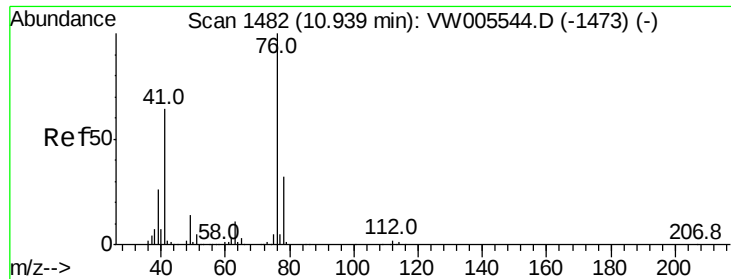
Abundance

Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

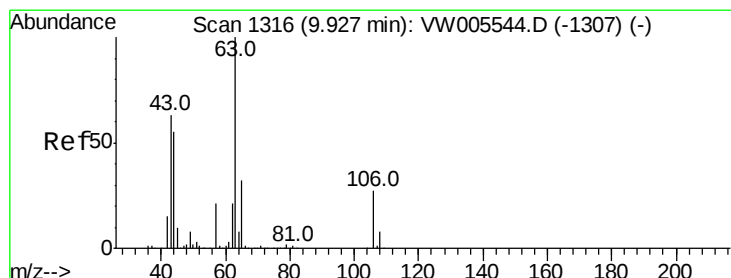
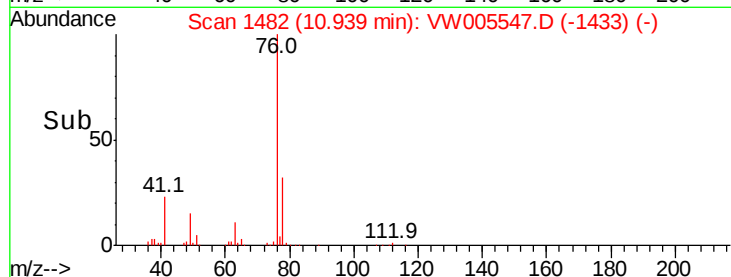
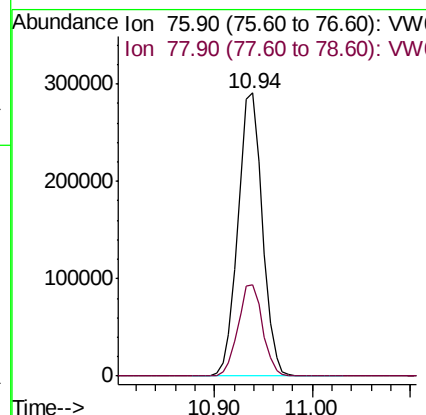
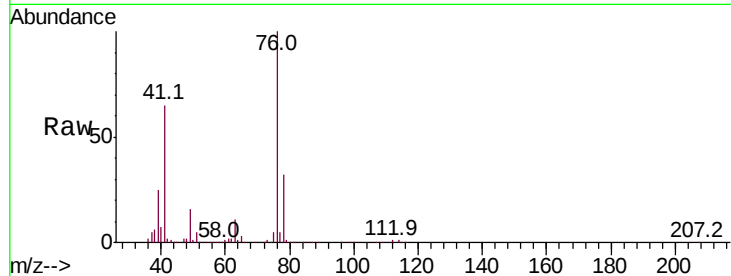




#57
 1,3-Dichloropropane
 Concen: 157.122 ug/l
 RT: 10.94 min Scan# 1482
 Delta R.T. -0.00 min
 Lab File: VW005547.D
 Acq: 20 Sep 2018 23:11

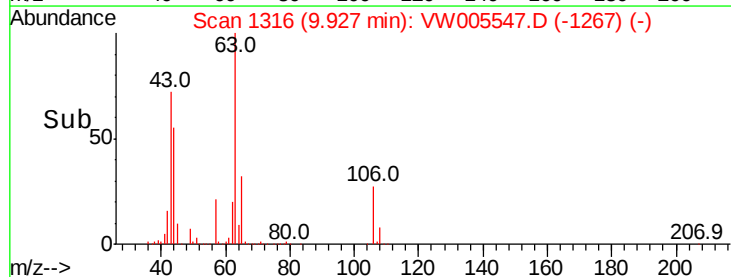
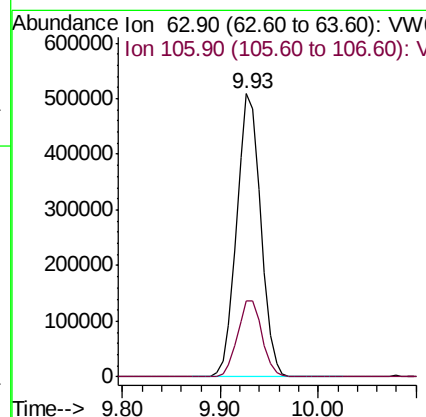
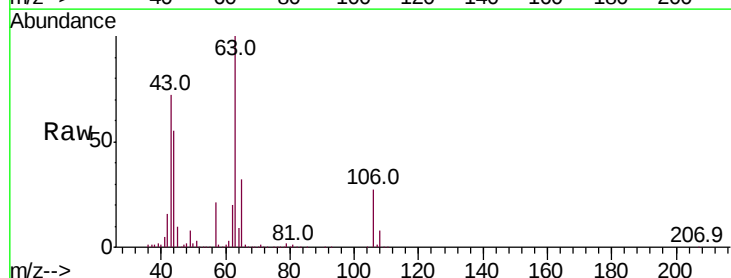
Instrument :
 MSVOA_W
 ClientSampleId :

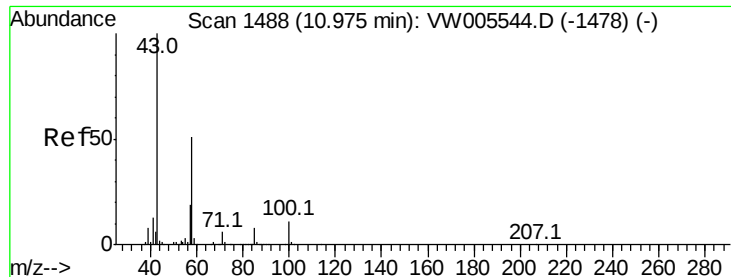
Tot Ion: 76 Resp: 503395
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.6 38.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 819.438 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW005547.D
 Acq: 20 Sep 2018 23:11

Tgt Ion: 63 Resp: 867656
 Ion Ratio Lower Upper
 63 100
 106 27.4 21.6 32.4

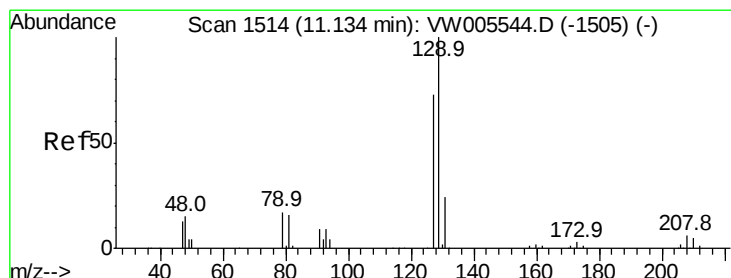
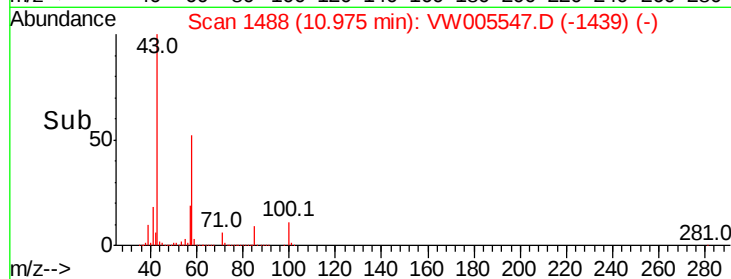
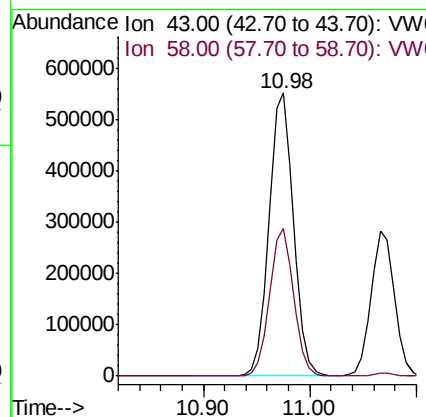
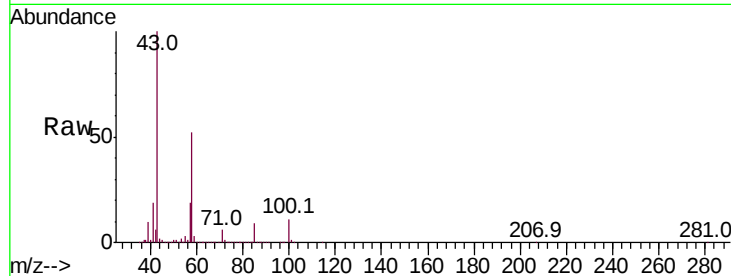




#59
2-Hexanone
Concen: 873.724 ug/l
RT: 10.98 min Scan# 1488
Delta R.T. -0.00 min
Lab File: VW005547.D
Acq: 20 Sep 2018 23:11

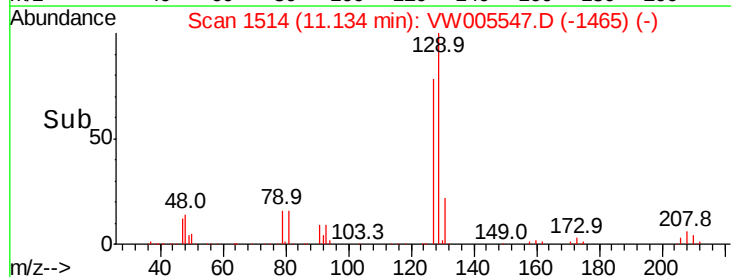
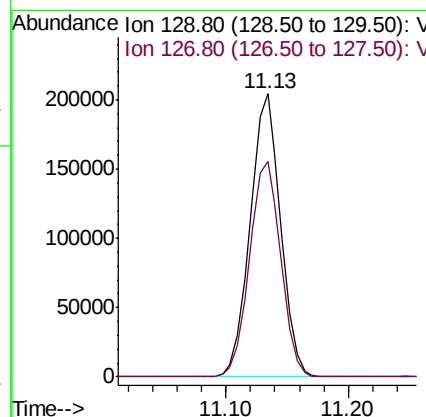
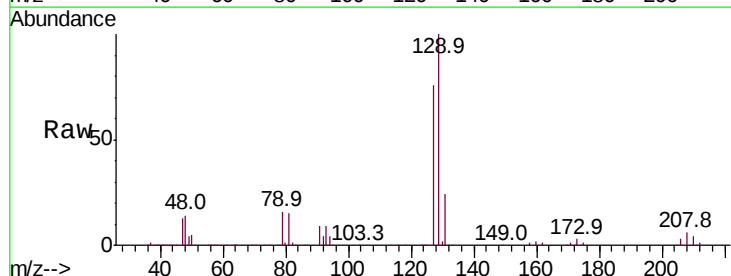
Instrument :
MSVOA_W
ClientSampled :

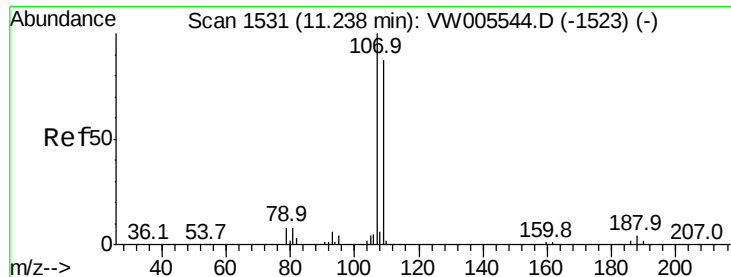
Tot Ion: 43 Resp: 885941
Ion Ratio Lower Upper
43 100
58 51.3 25.3 75.9



#60
Dibromochloromethane
Concen: 157.820 ug/l
RT: 11.13 min Scan# 1514
Delta R.T. -0.00 min
Lab File: VW005547.D
Acq: 20 Sep 2018 23:11

Tgt Ion: 129 Resp: 352633
Ion Ratio Lower Upper
129 100
127 78.2 38.5 115.5

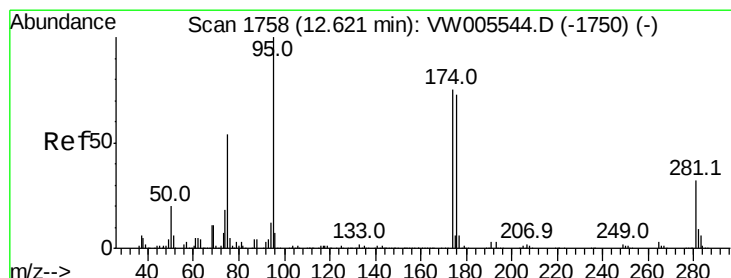
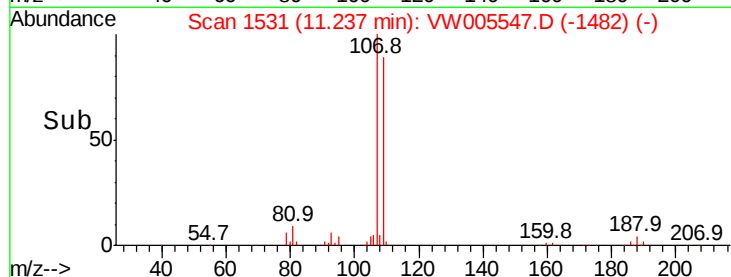
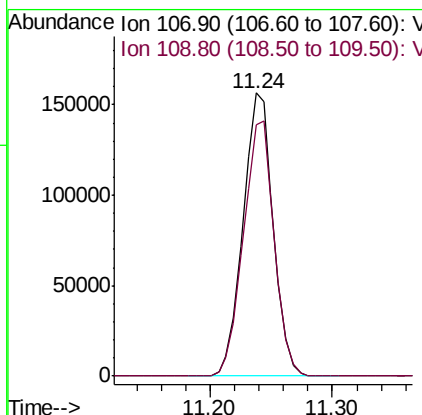
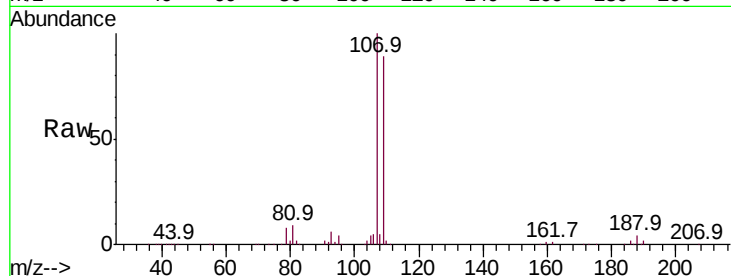




#61
 1,2-Dibromoethane
 Concen: 159.640 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW005547.D
 Acq: 20 Sep 2018 23:11

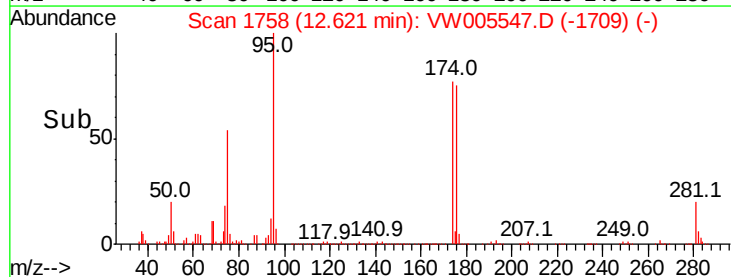
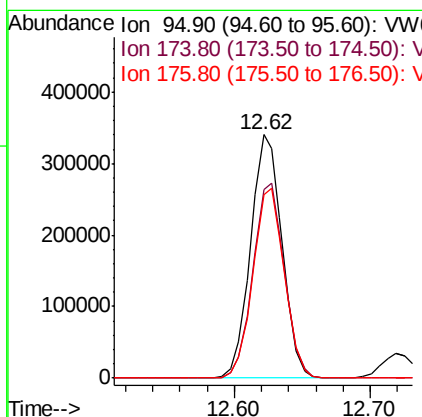
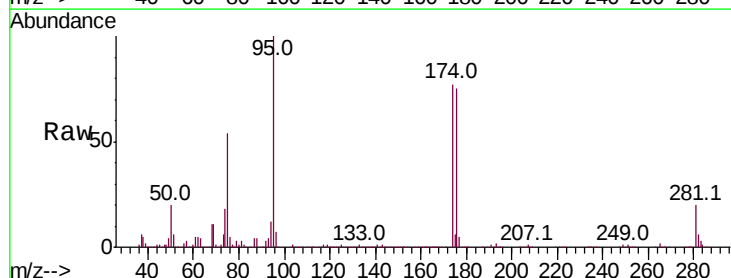
Instrument :
 MSVOA_W
 ClientSampleId :

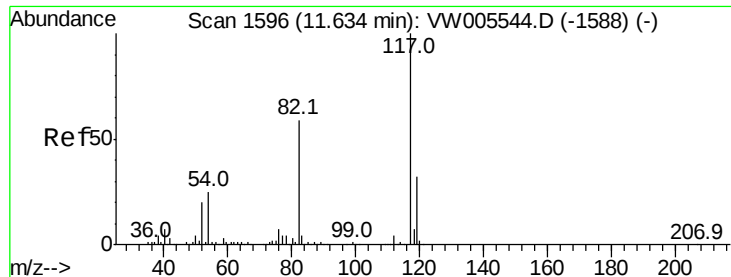
Tot Ion:107 Resp: 267184
 Ion Ratio Lower Upper
 107 100
 109 92.3 73.4 110.0



#62
 4-Bromofluorobenzene
 Concen: 152.917 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW005547.D
 Acq: 20 Sep 2018 23:11

Tgt Ion: 95 Resp: 551856
 Ion Ratio Lower Upper
 95 100
 174 80.0 0.0 163.8
 176 78.2 0.0 158.0

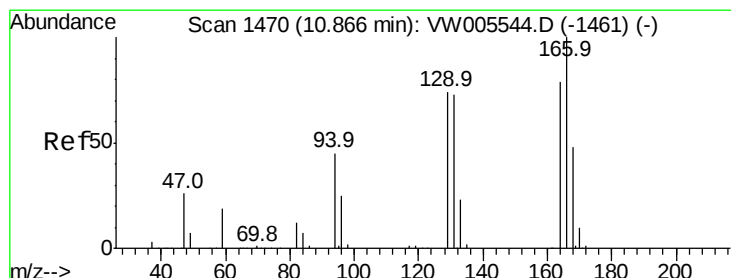
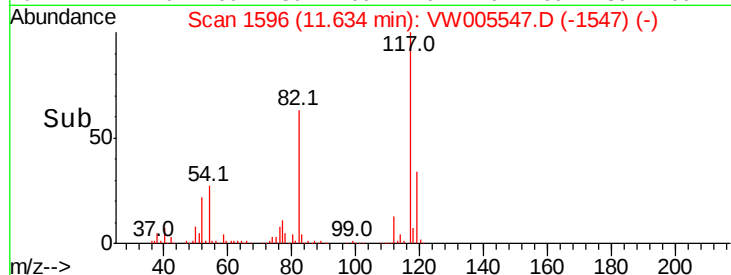
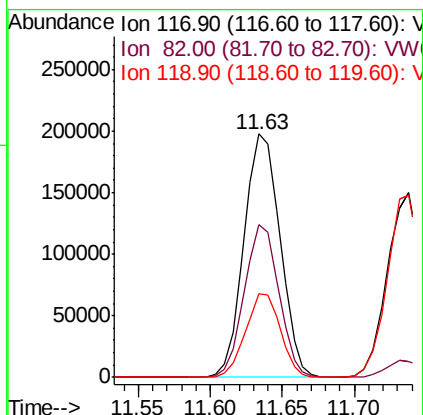
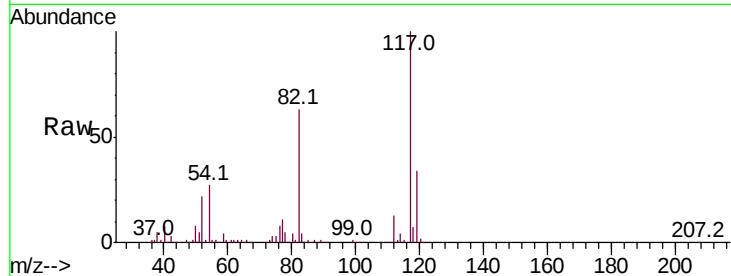




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW005547.D
Acq: 20 Sep 2018 23:11

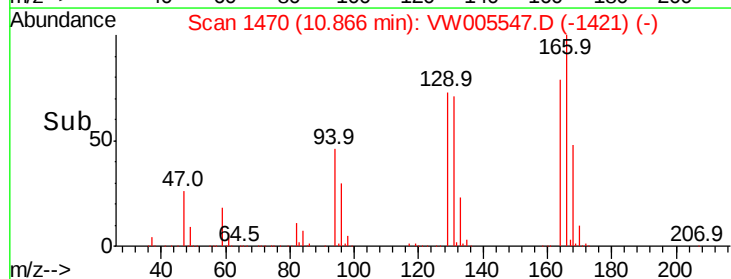
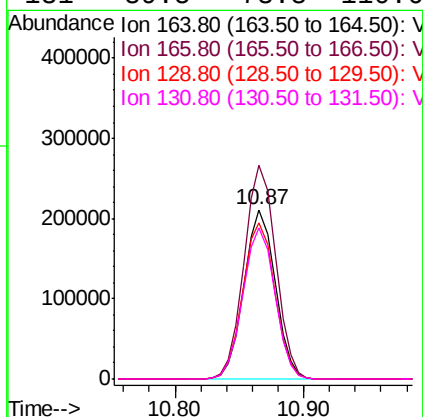
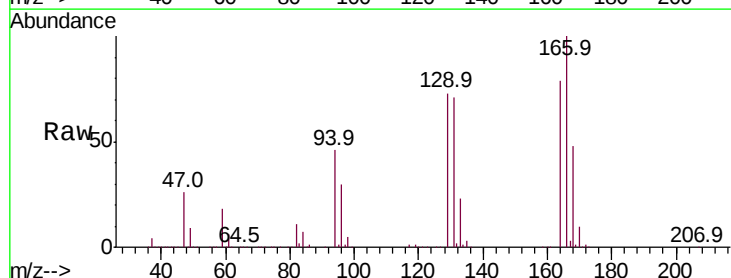
Instrument :
MSVOA_W
ClientSampleId :

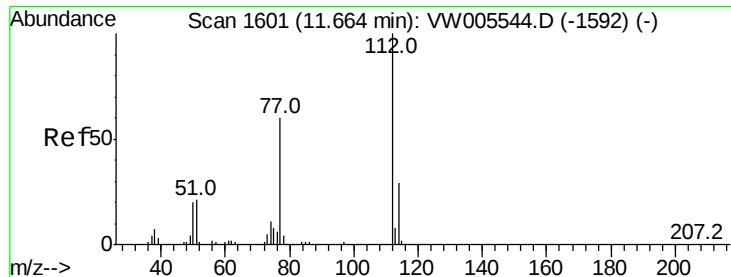
Tot Ion:117 Resp: 342754
Ion Ratio Lower Upper
117 100
82 62.7 46.9 70.3
119 34.2 25.7 38.5



#64
Tetrachloroethene
Concen: 140.271 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VW005547.D
Acq: 20 Sep 2018 23:11

Tgt Ion:164 Resp: 353281
Ion Ratio Lower Upper
164 100
166 126.2 101.1 151.7
129 92.7 74.4 111.6
131 89.5 73.8 110.6

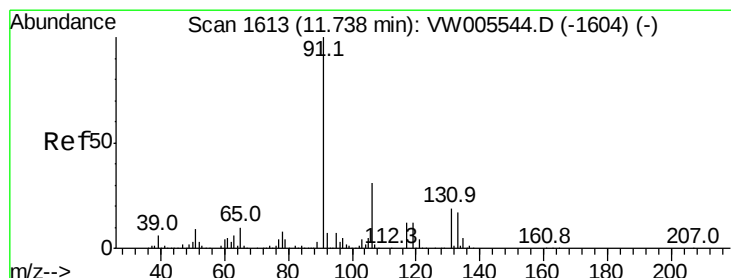
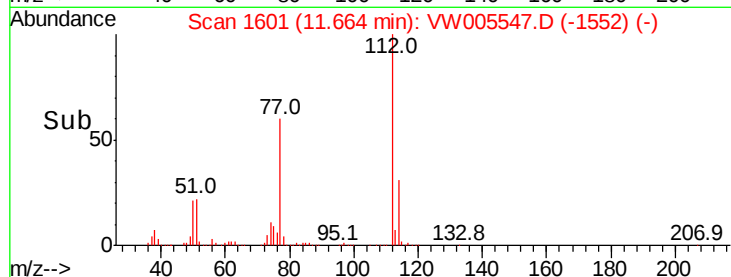
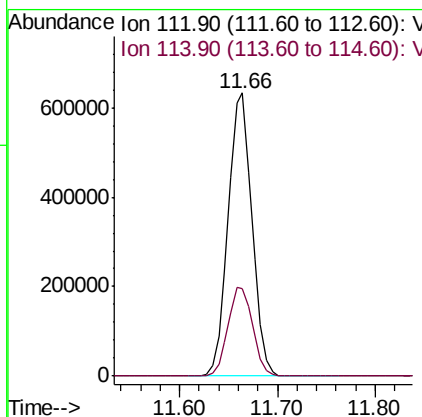
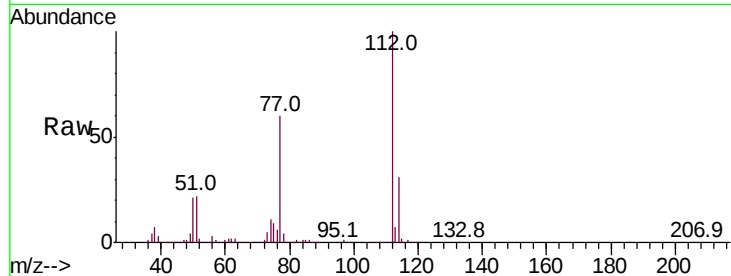




#65
Chlorobenzene
Concen: 146.166 ug/l
RT: 11.66 min Scan# 1601
Delta R.T. -0.00 min
Lab File: VW005547.D
Acq: 20 Sep 2018 23:11

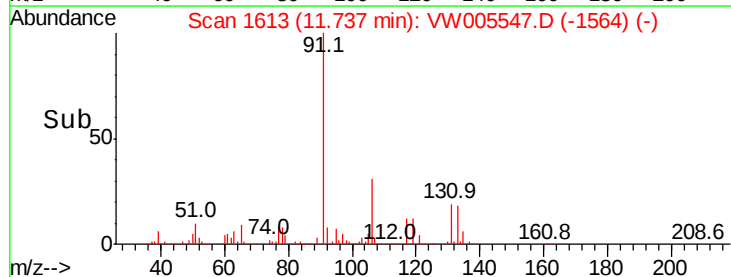
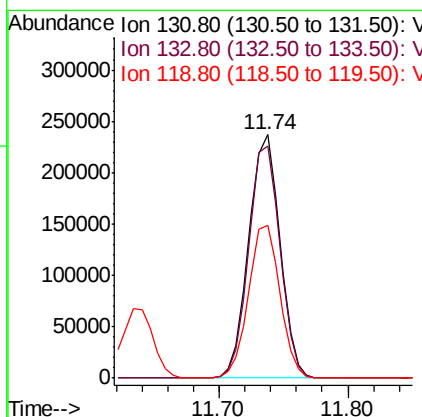
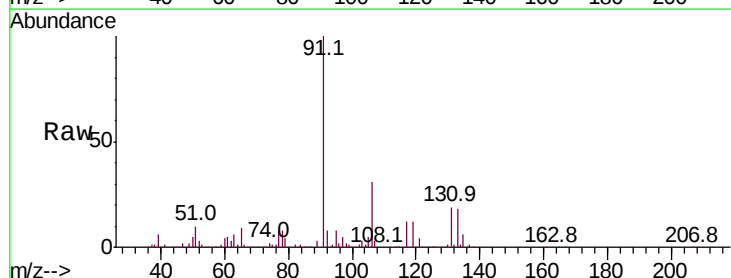
Instrument :
MSVOA_W
ClientSampleId :

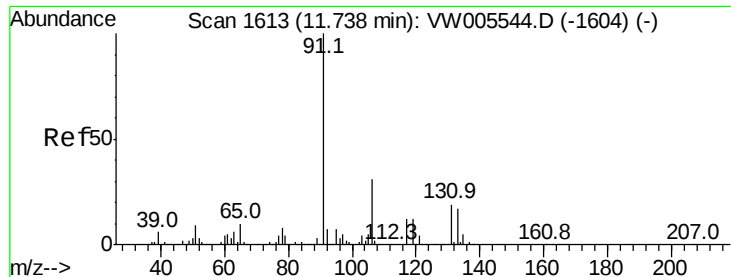
Tot Ion:112 Resp: 1068550
Ion Ratio Lower Upper
112 100
114 31.1 22.9 34.3



#66
1,1,1,2-Tetrachloroethane
Concen: 166.037 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. -0.00 min
Lab File: VW005547.D
Acq: 20 Sep 2018 23:11

Tgt Ion:131 Resp: 396699
Ion Ratio Lower Upper
131 100
133 95.7 47.2 141.6
119 62.9 31.1 93.2

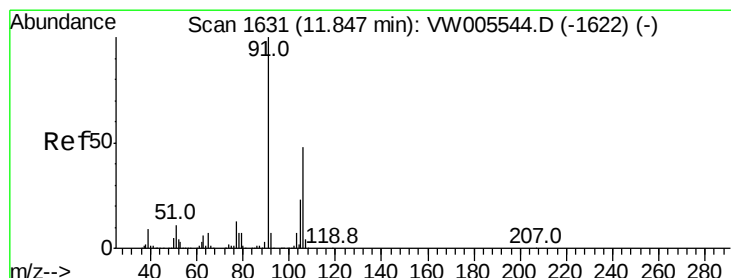
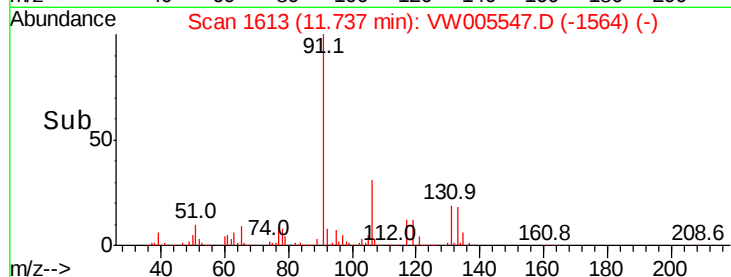
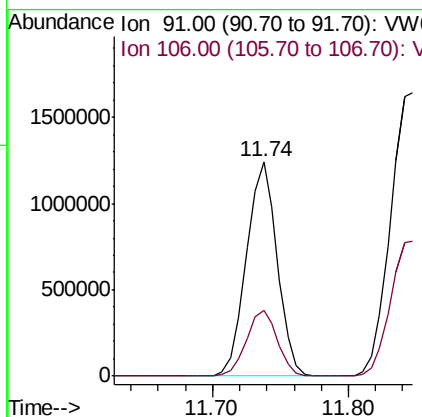
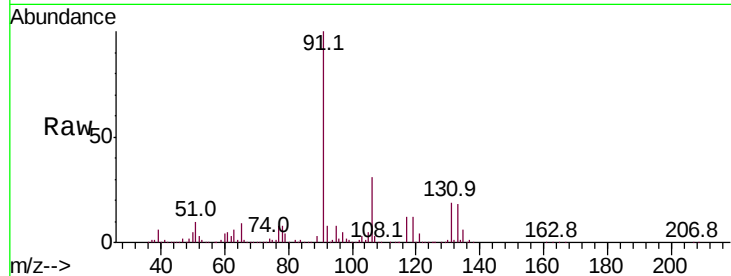




#67
Ethyl Benzene
Concen: 152.768 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. -0.00 min
Lab File: VW005547.D
Acq: 20 Sep 2018 23:11

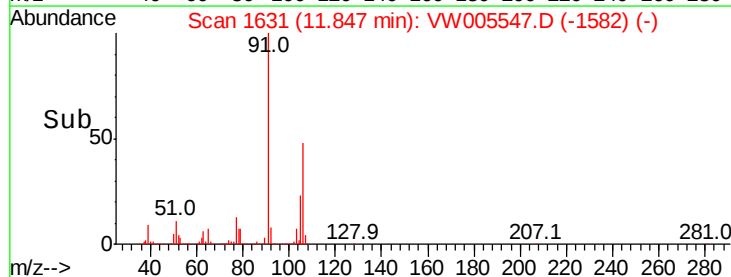
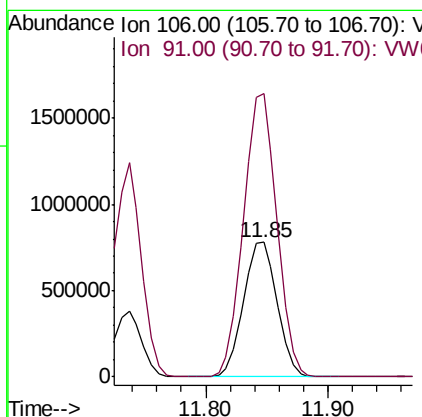
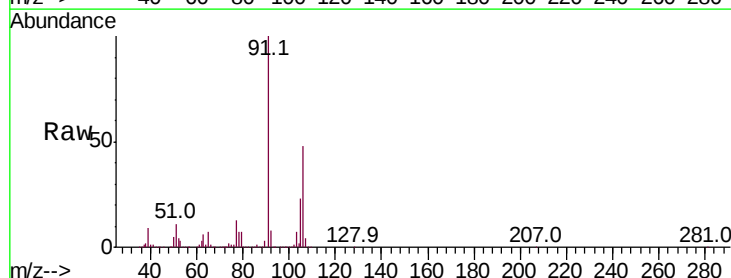
Instrument :
MSVOA_W
ClientSampled :

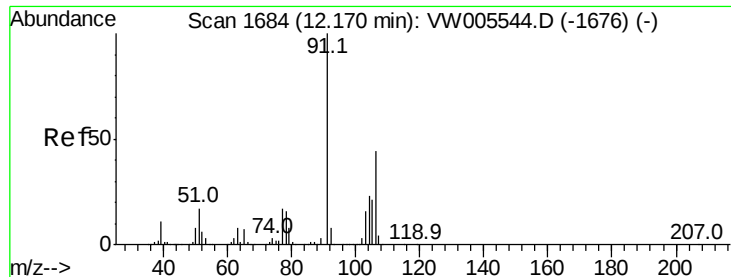
Tot Ion: 91 Resp: 1964529
Ion Ratio Lower Upper
91 100
106 30.9 24.4 36.6



#68
m/p-Xylenes
Concen: 301.725 ug/l
RT: 11.85 min Scan# 1631
Delta R.T. -0.00 min
Lab File: VW005547.D
Acq: 20 Sep 2018 23:11

Tgt Ion:106 Resp: 1489934
Ion Ratio Lower Upper
106 100
91 209.1 167.8 251.8

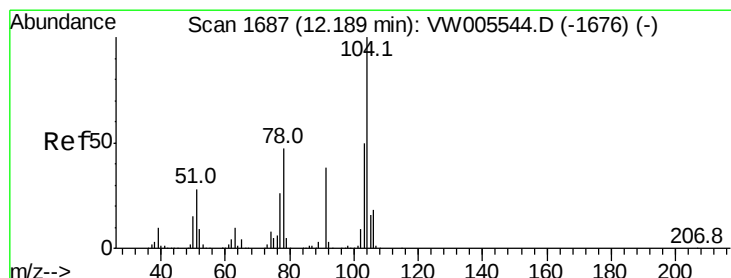
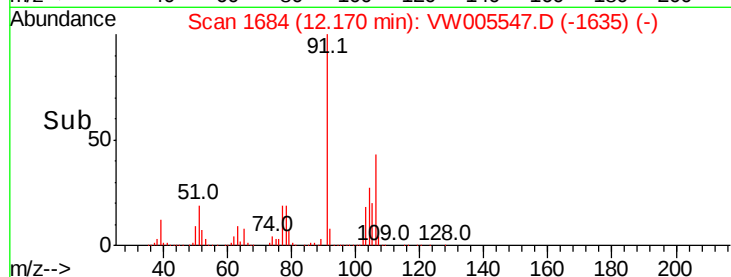
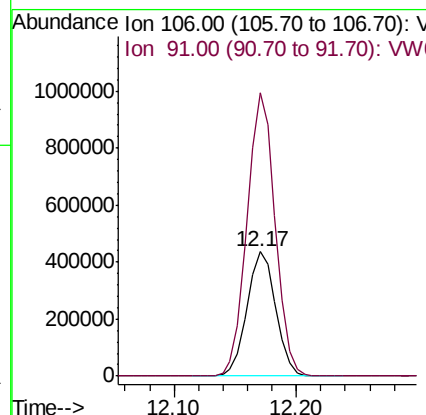
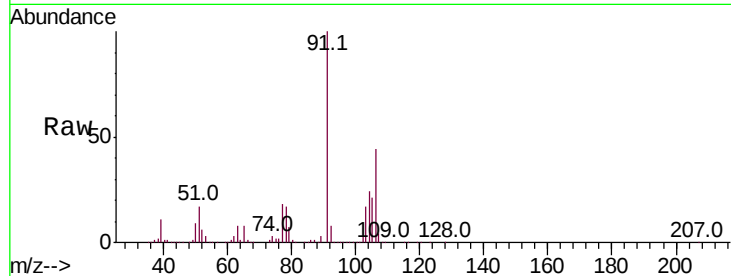




#69
o-Xylene
Concen: 154.513 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW005547.D
Acq: 20 Sep 2018 23:11

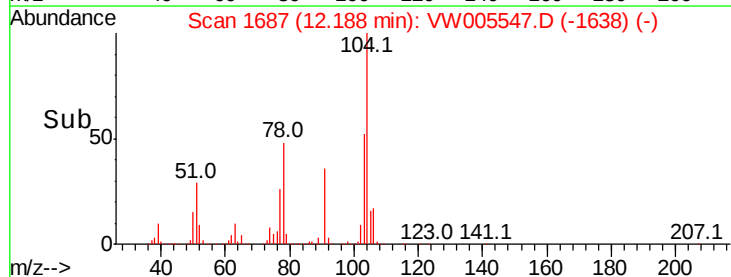
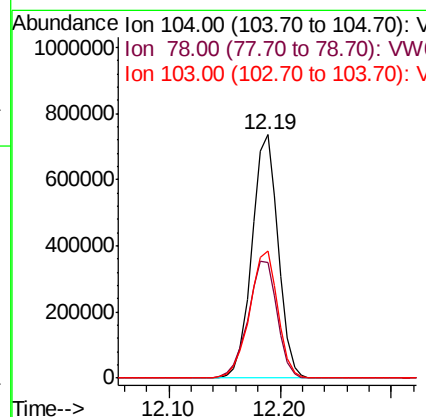
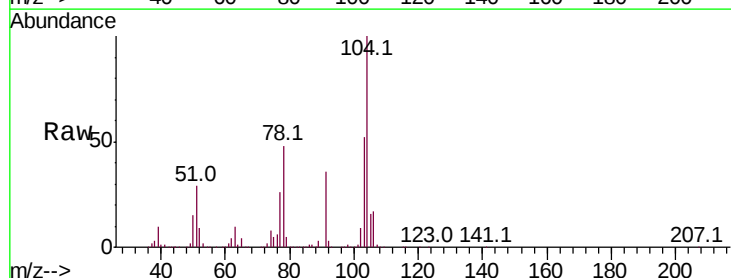
Instrument :
MSVOA_W
ClientSampled :

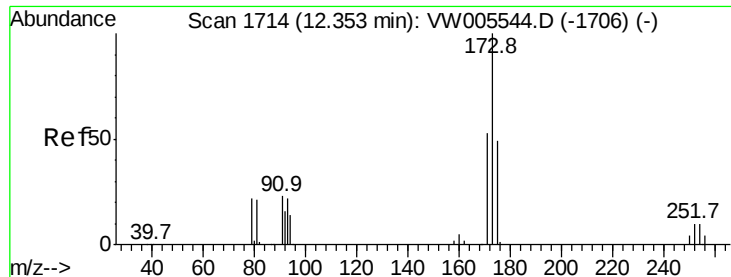
Tot Ion:106 Resp: 710293
Ion Ratio Lower Upper
106 100
91 222.6 111.0 333.0



#70
Styrene
Concen: 157.481 ug/l
RT: 12.19 min Scan# 1687
Delta R.T. -0.00 min
Lab File: VW005547.D
Acq: 20 Sep 2018 23:11

Tgt Ion:104 Resp: 1199492
Ion Ratio Lower Upper
104 100
78 53.5 42.2 63.4
103 56.1 44.6 66.8





#71

Bromoform

Concen: 173.216 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW005547.D

Acq: 20 Sep 2018 23:11

Instrument :

MSVOA_W

ClientSampleId :

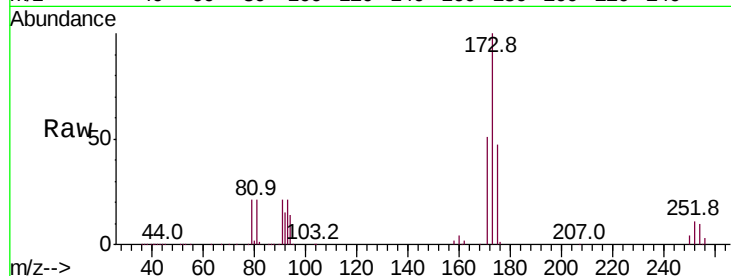
Tot Ion:173 Resp: 218629

Ion Ratio Lower Upper

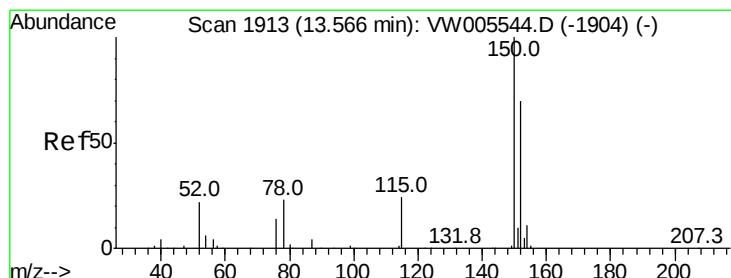
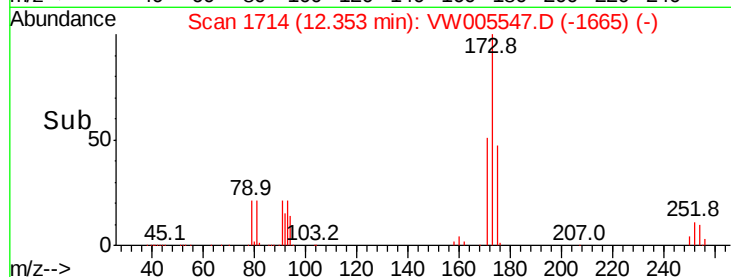
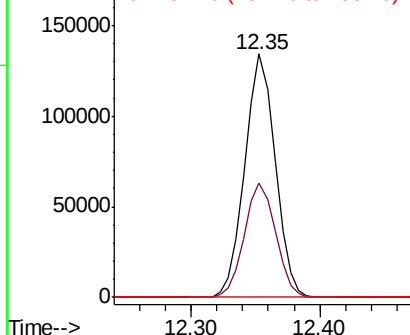
173 100

175 48.3 24.3 72.9

254 0.2 0.1 0.1#



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: 13.57 min Scan# 1913

Delta R.T. -0.00 min

Lab File: VW005547.D

Acq: 20 Sep 2018 23:11

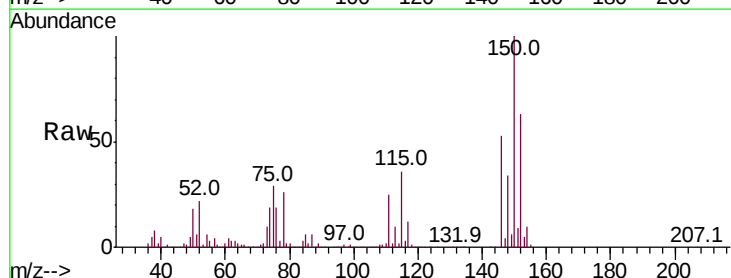
Tgt Ion:152 Resp: 183951

Ion Ratio Lower Upper

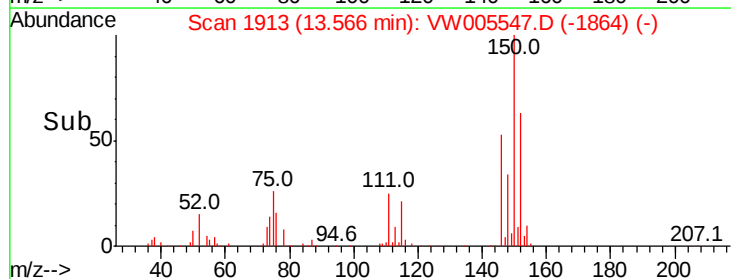
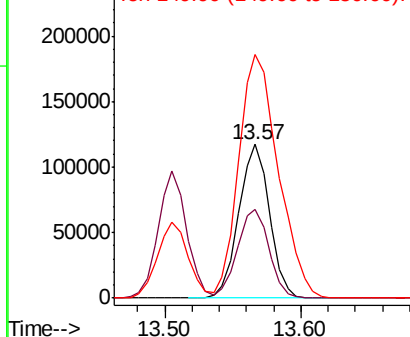
152 100

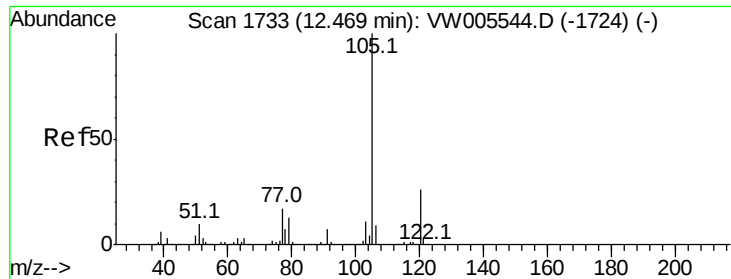
115 59.1 30.0 90.0

150 204.3 0.0 348.6



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: 155.095 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW005547.D

Acq: 20 Sep 2018 23:11

Instrument :

MSVOA_W

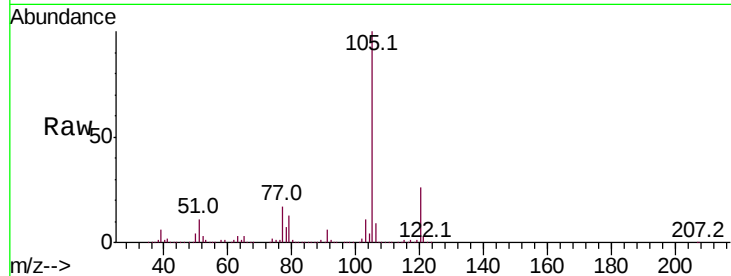
ClientSampled :

Tot Ion:105 Resp: 2009967

Ion Ratio Lower Upper

105 100

120 25.7 12.9 38.7



Abundance Ion 105.00 (104.70 to 105.70): V

1500000 Ion 120.00 (119.70 to 120.70): V

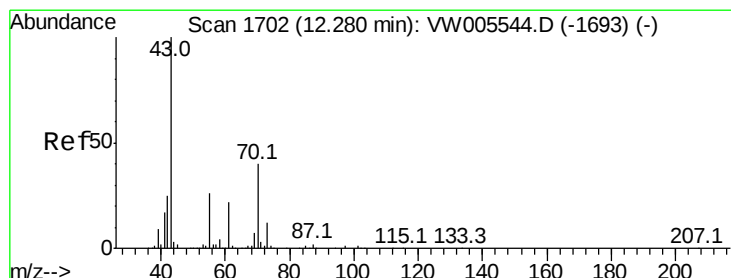
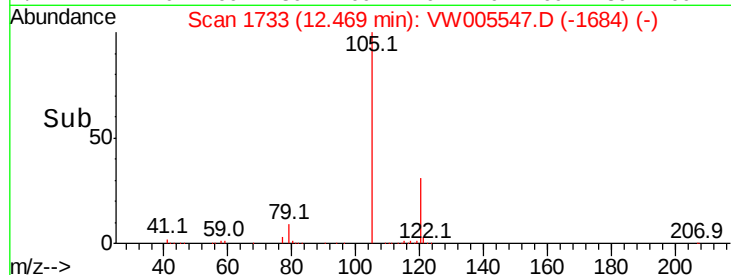
12.47

1000000

500000

0

Time-->



#74

N-ethyl acetate

Concen: 177.953 ug/l

RT: 12.28 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VW005547.D

Acq: 20 Sep 2018 23:11

Tgt Ion: 43 Resp: 489004

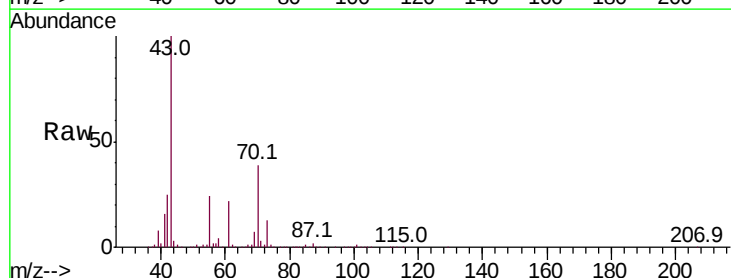
Ion Ratio Lower Upper

43 100

70 39.6 31.4 47.0

55 24.2 20.9 31.3

61 22.6 17.8 26.6



Abundance Ion 43.00 (42.70 to 43.70): VW

500000 Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

12.28

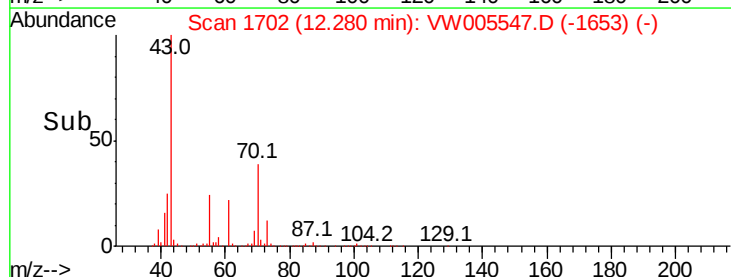
300000

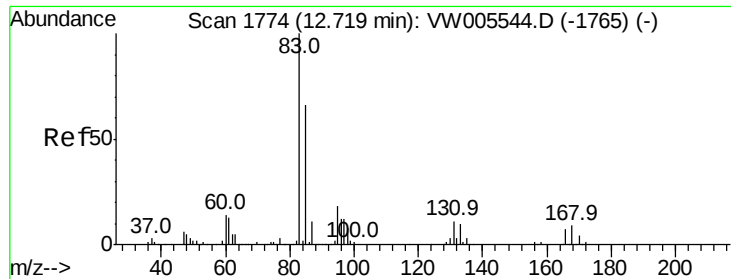
200000

100000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 167.880 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW005547.D

Acq: 20 Sep 2018 23:11

Instrument :

MSVOA_W

ClientSampled :

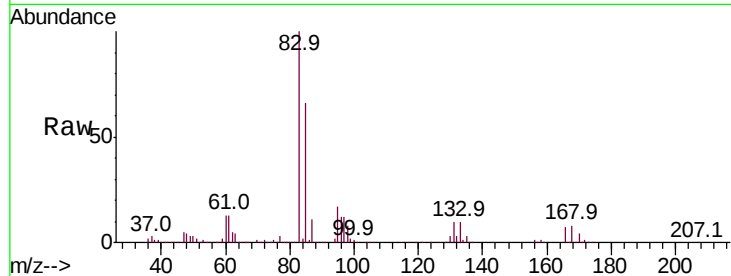
Tot Ion: 83 Resp: 323955

Ion Ratio Lower Upper

83 100

131 11.1 5.5 16.7

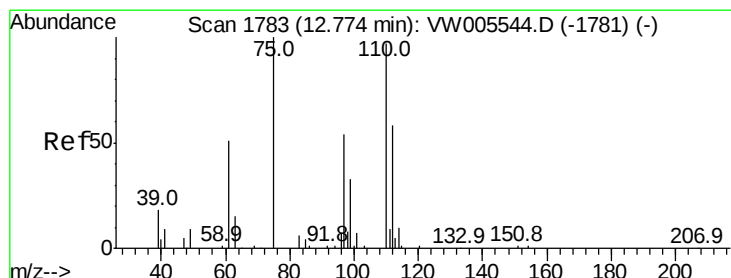
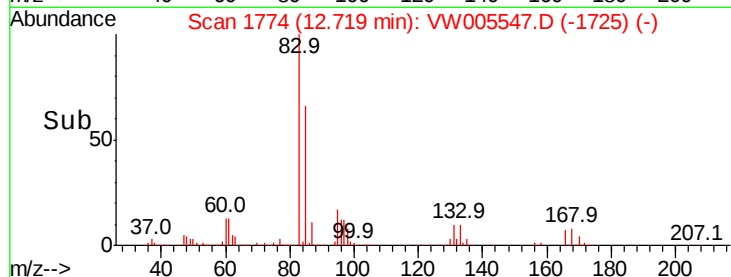
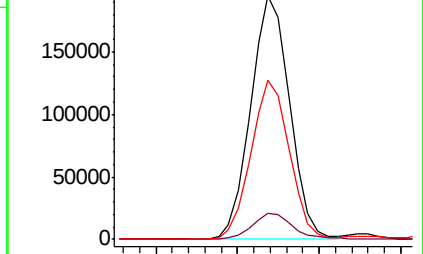
85 64.6 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 303.431 ug/l

RT: 12.77 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VW005547.D

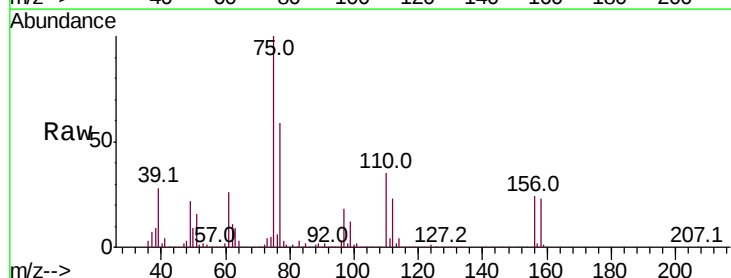
Acq: 20 Sep 2018 23:11

Tgt Ion: 75 Resp: 465194

Ion Ratio Lower Upper

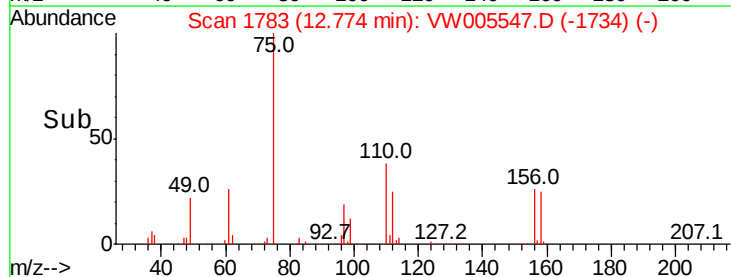
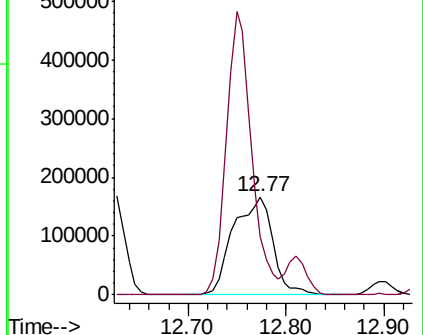
75 100

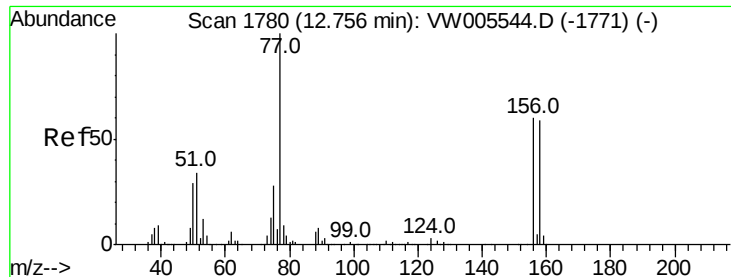
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 146.556 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.01 min

Lab File: VW005547.D

Acq: 20 Sep 2018 23:11

Instrument :

MSVOA_W

ClientSampleId :

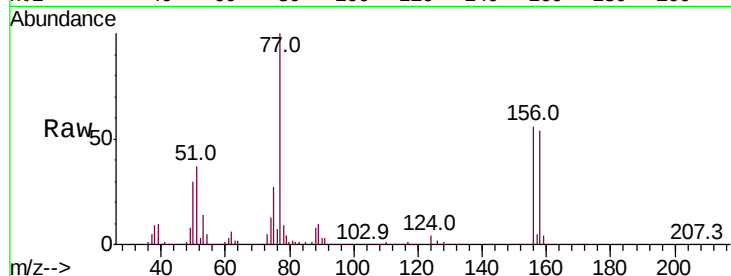
Tot Ion:156 Resp: 447614

Ion Ratio Lower Upper

156 100

77 192.7 94.7 284.1

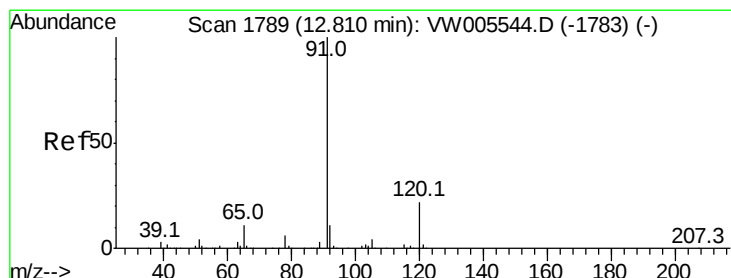
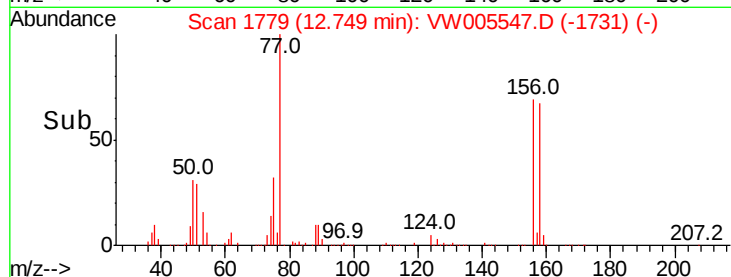
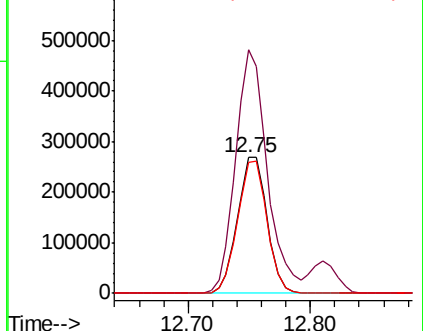
158 97.1 48.0 144.2



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: 151.121 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VW005547.D

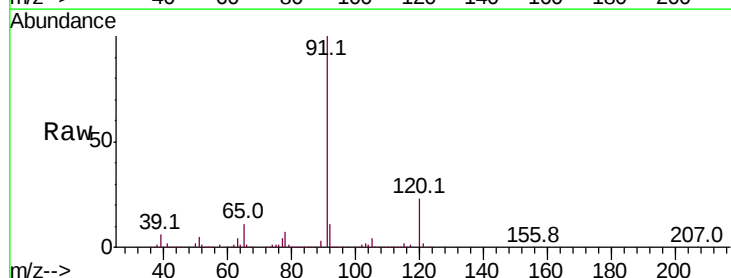
Acq: 20 Sep 2018 23:11

Tgt Ion: 91 Resp: 2362698

Ion Ratio Lower Upper

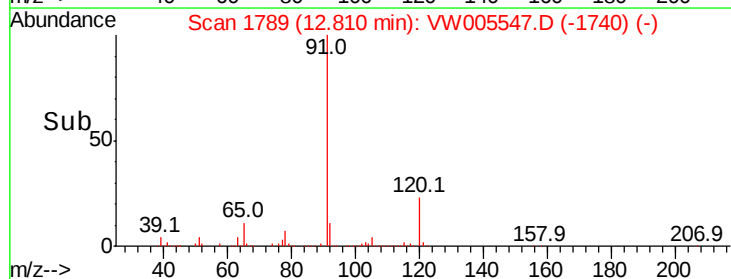
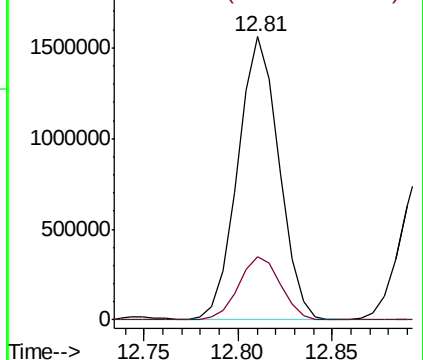
91 100

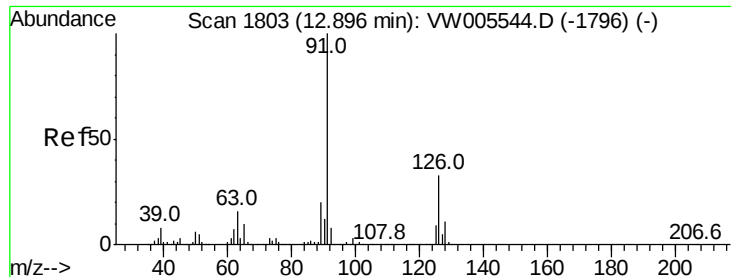
120 22.7 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 148.744 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW005547.D

Acq: 20 Sep 2018 23:11

Instrument :

MSVOA_W

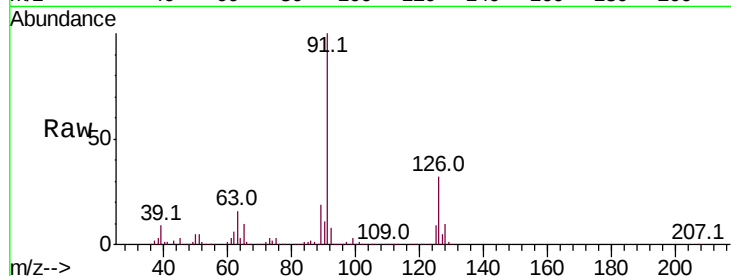
ClientSampled :

Tot Ion: 91 Resp: 1366968

Ion Ratio Lower Upper

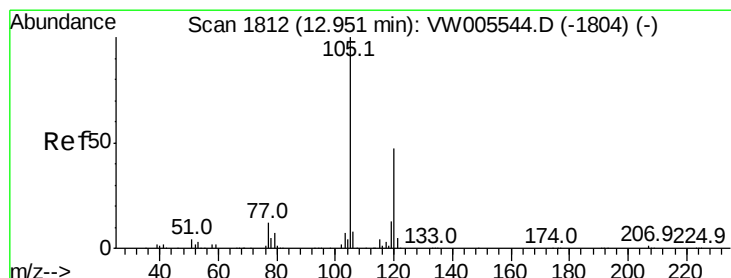
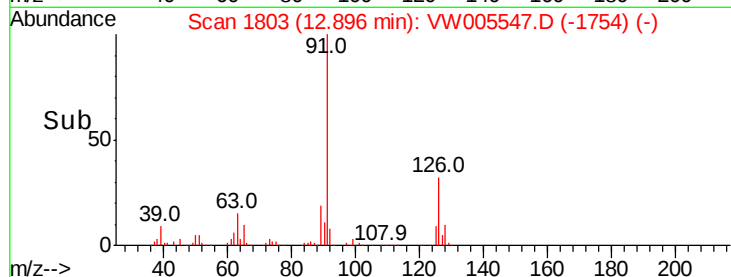
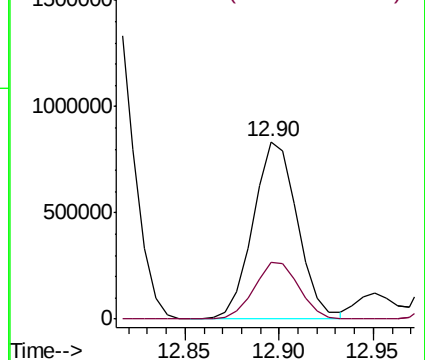
91 100

126 32.5 16.4 49.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 150.326 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. -0.00 min

Lab File: VW005547.D

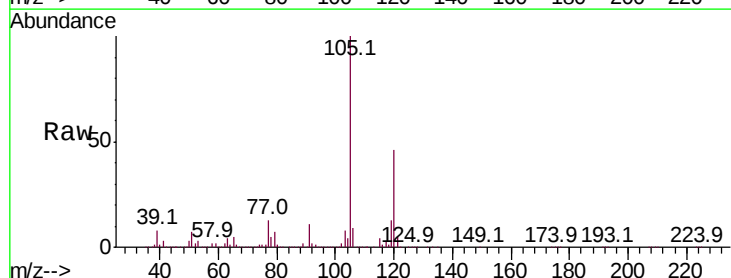
Acq: 20 Sep 2018 23:11

Tgt Ion:105 Resp: 1694808

Ion Ratio Lower Upper

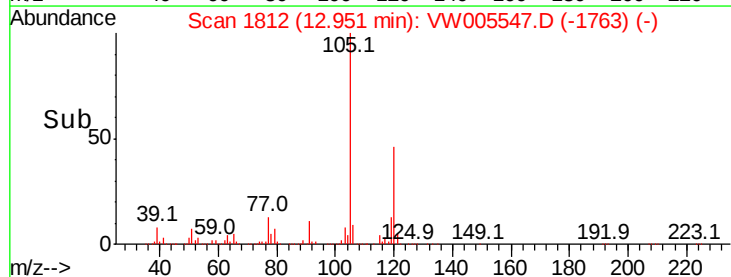
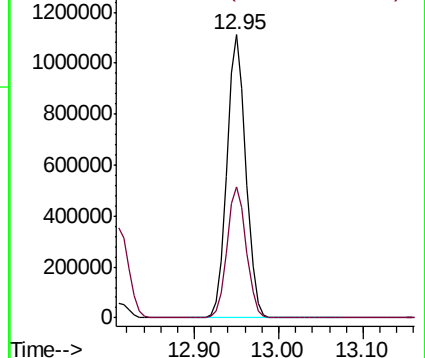
105 100

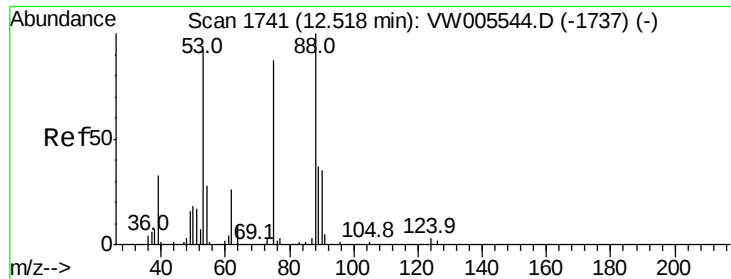
120 47.0 23.6 70.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 189.465 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VW005547.D

Acq: 20 Sep 2018 23:11

Instrument :

MSVOA_W

ClientSampleId :

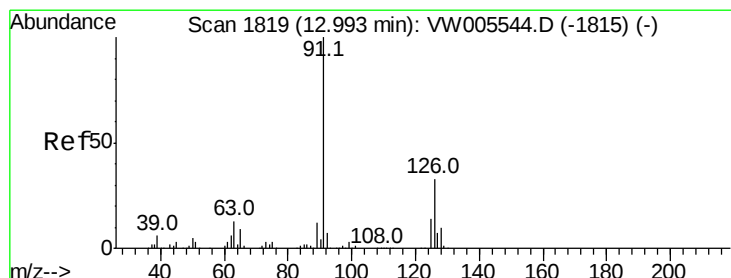
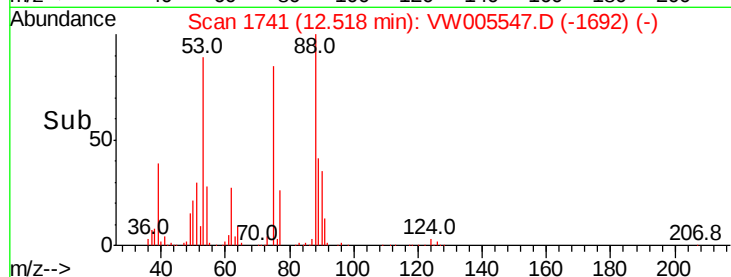
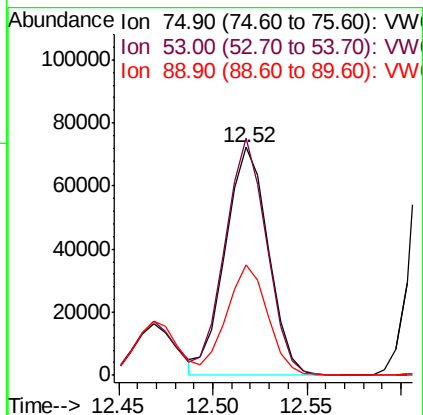
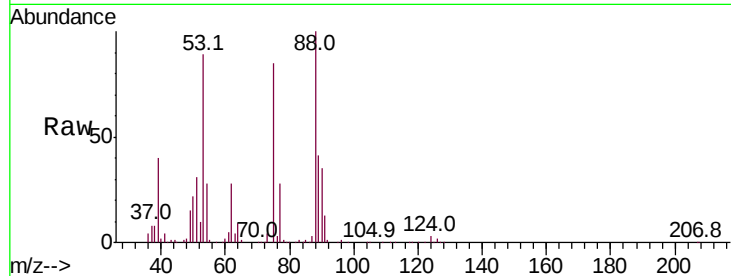
Tot Ion: 75 Resp: 113926

Ion Ratio Lower Upper

75 100

53 101.8 85.8 128.6

89 46.5 37.3 55.9



#82

4-Chlorotoluene

Concen: 147.633 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VW005547.D

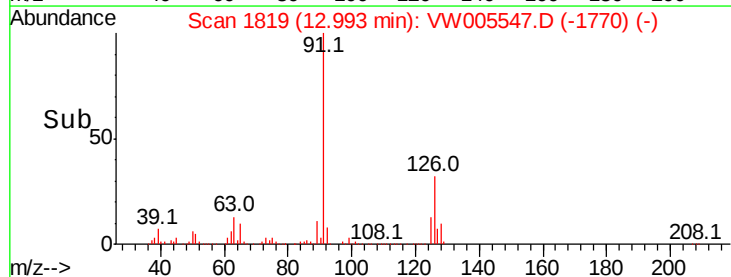
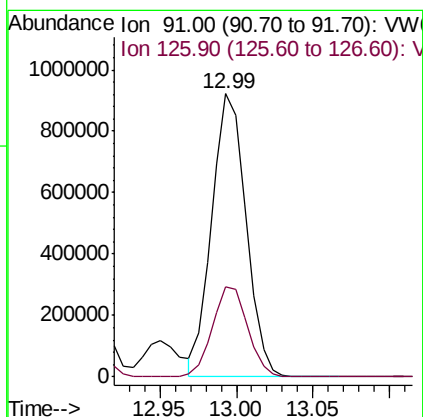
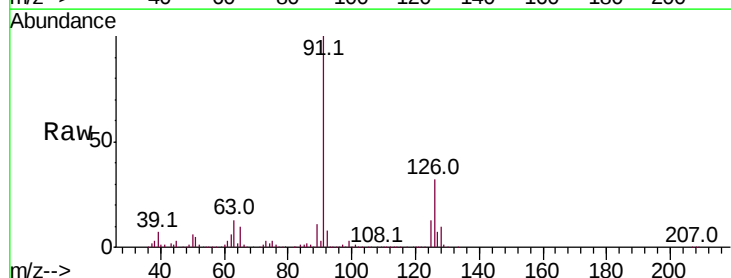
Acq: 20 Sep 2018 23:11

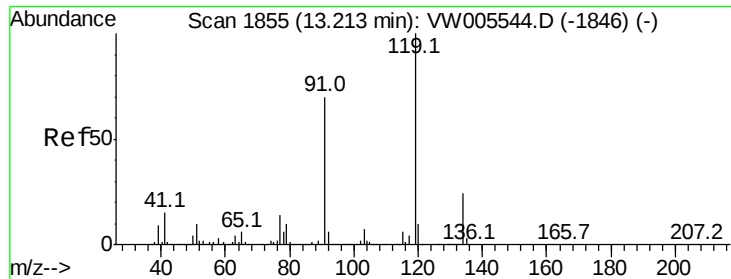
Tgt Ion: 91 Resp: 1433378

Ion Ratio Lower Upper

91 100

126 32.8 16.4 49.4

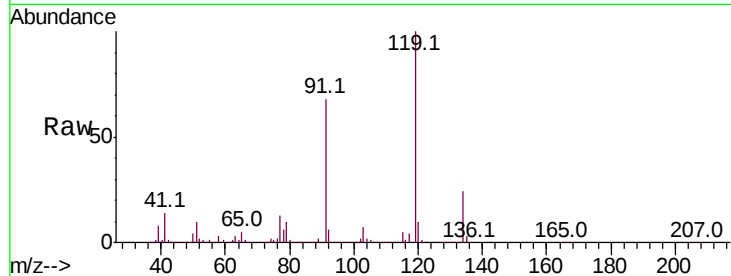




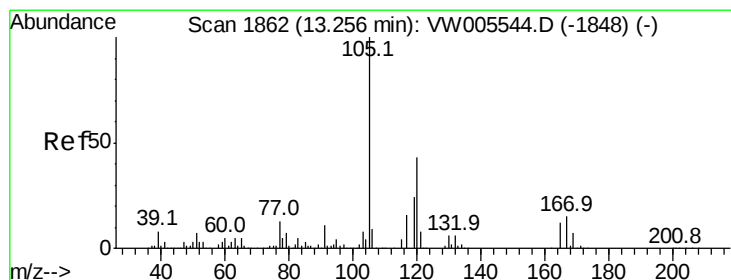
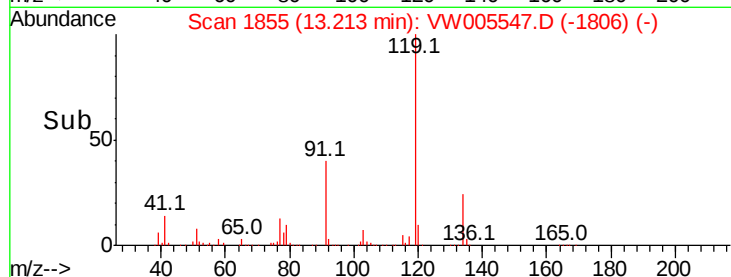
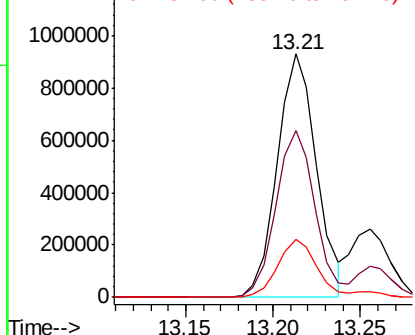
#83
tert-Butylbenzene
Concen: 155.388 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. -0.00 min
Lab File: VW005547.D
Acq: 20 Sep 2018 23:11

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:119 Resp: 1457126
Ion Ratio Lower Upper
119 100
91 69.0 34.6 103.8
134 25.4 12.6 37.6

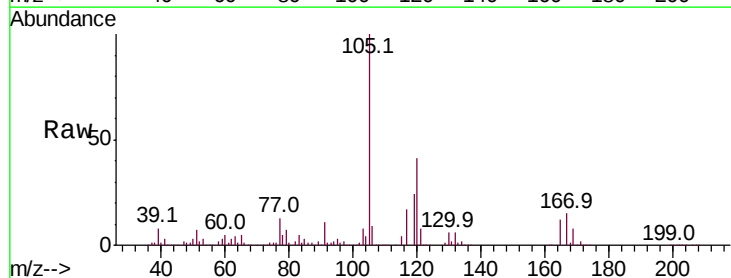


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VW
Ion 134.00 (133.70 to 134.70): V

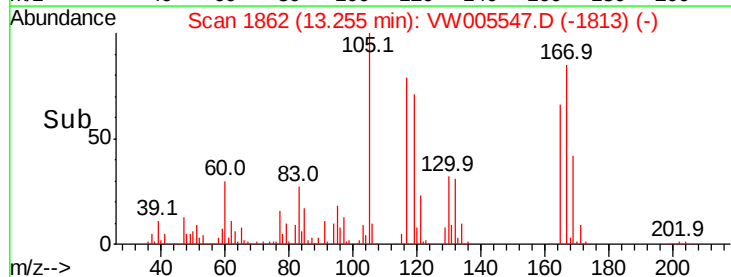
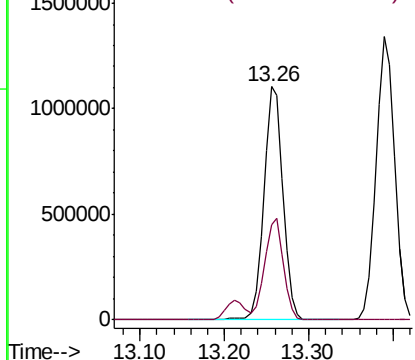


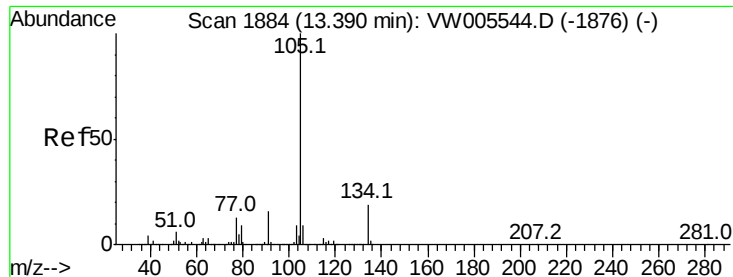
#84
1,2,4-Trimethylbenzene
Concen: 150.178 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW005547.D
Acq: 20 Sep 2018 23:11

Tgt Ion:105 Resp: 1720588
Ion Ratio Lower Upper
105 100
120 42.9 21.5 64.5



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 151.673 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. -0.00 min

Lab File: VW005547.D

Acq: 20 Sep 2018 23:11

Instrument :

MSVOA_W

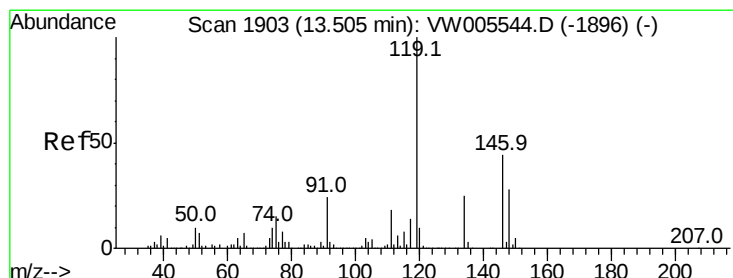
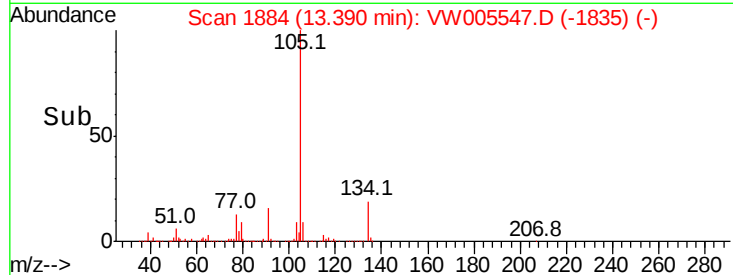
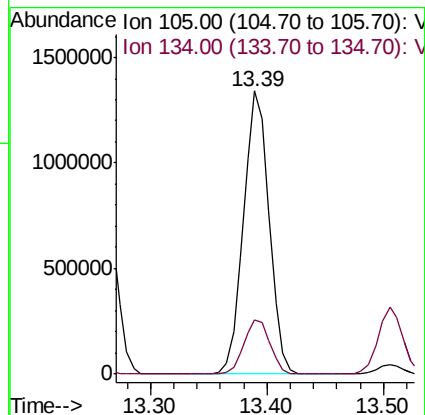
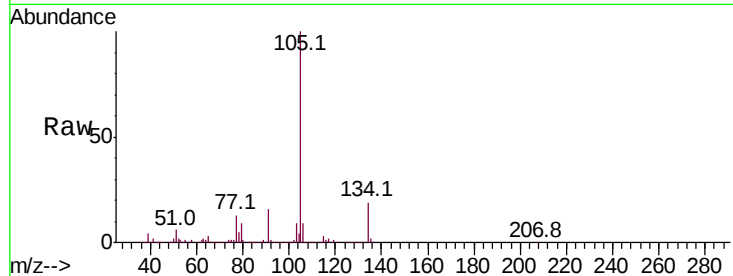
ClientSampled :

Tot Ion:105 Resp: 2055284

Ion Ratio Lower Upper

105 100

134 19.8 9.8 29.5



#86

p-Isopropyltoluene

Concen: 152.558 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. -0.00 min

Lab File: VW005547.D

Acq: 20 Sep 2018 23:11

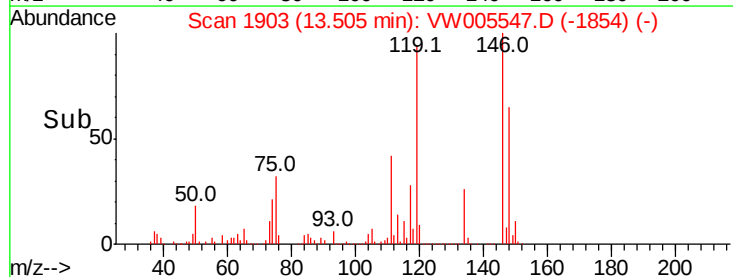
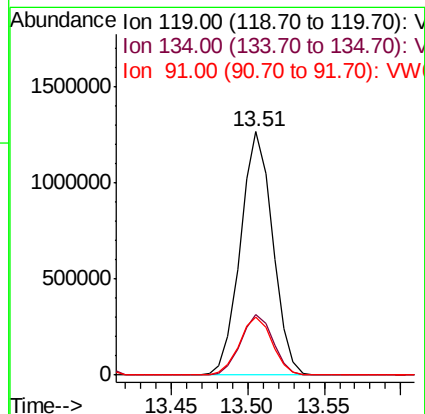
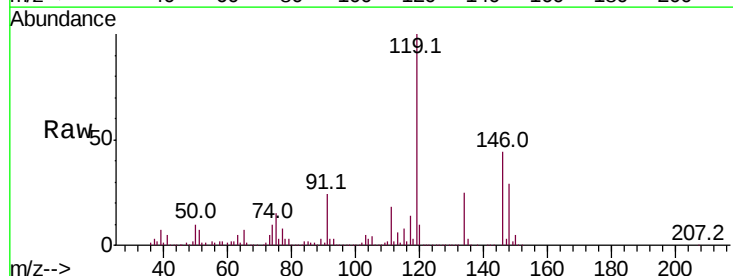
Tgt Ion:119 Resp: 1849795

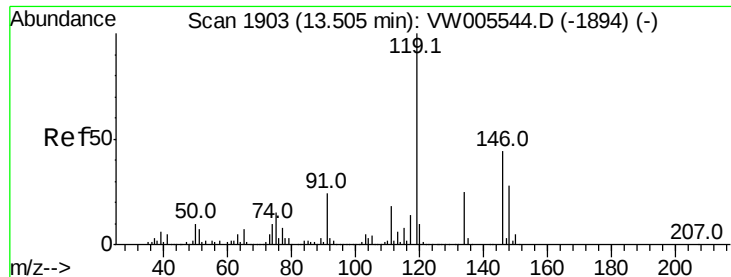
Ion Ratio Lower Upper

119 100

134 25.2 12.7 38.1

91 24.1 12.2 36.4





#87

1,3-Dichlorobenzene

Concen: 141.681 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. -0.00 min

Lab File: VW005547.D

Acq: 20 Sep 2018 23:11

Instrument :

MSVOA_W

ClientSampleId :

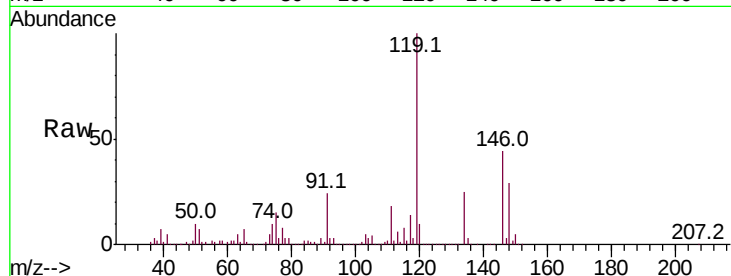
Tot Ion:146 Resp: 878761

Ion Ratio Lower Upper

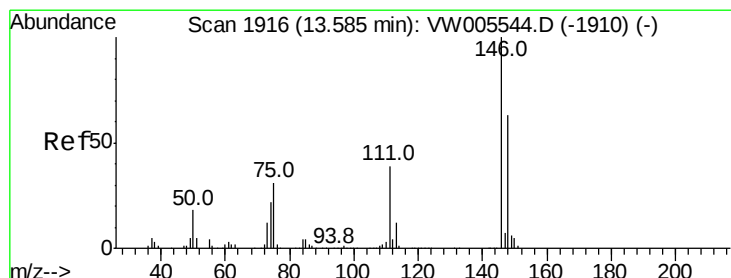
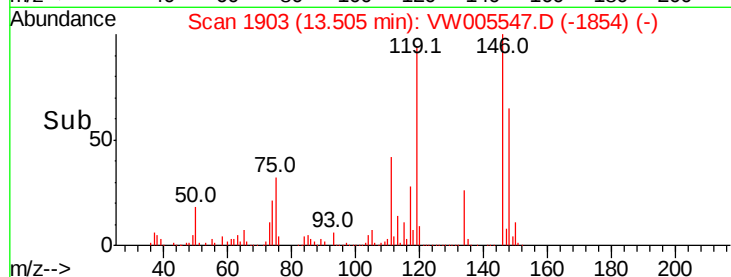
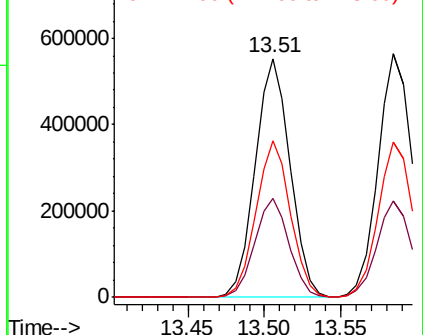
146 100

111 40.8 20.3 60.9

148 64.5 31.8 95.4



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 143.434 ug/l

RT: 13.58 min Scan# 1916

Delta R.T. -0.00 min

Lab File: VW005547.D

Acq: 20 Sep 2018 23:11

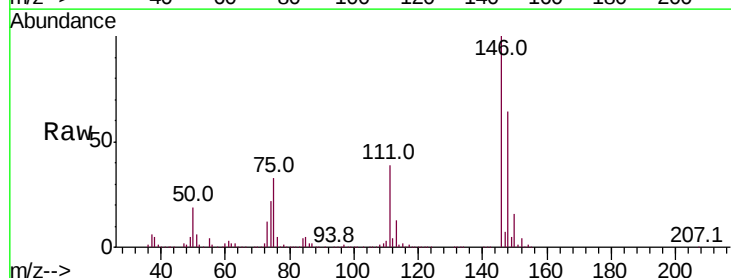
Tgt Ion:146 Resp: 874864

Ion Ratio Lower Upper

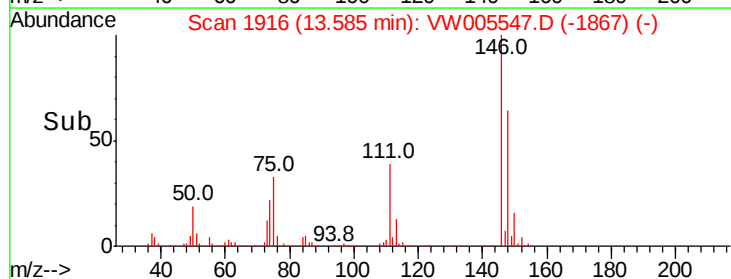
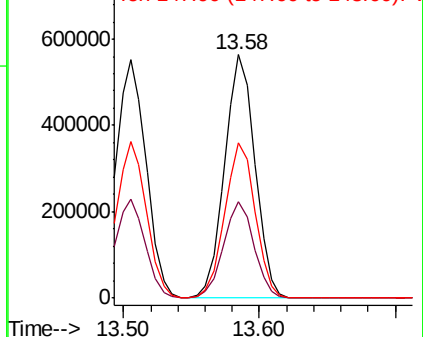
146 100

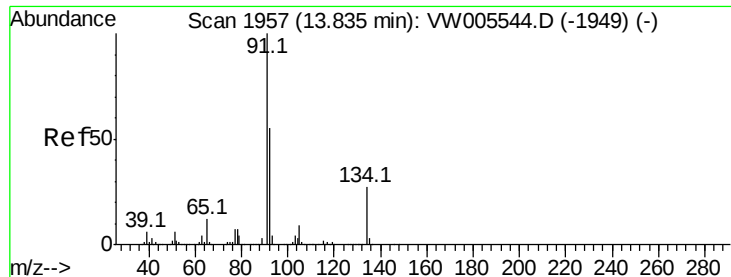
111 39.6 19.9 59.7

148 64.0 32.1 96.3



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 154.486 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.01 min

Lab File: VW005547.D

Acq: 20 Sep 2018 23:11

Instrument :

MSVOA_W

ClientSampleId :

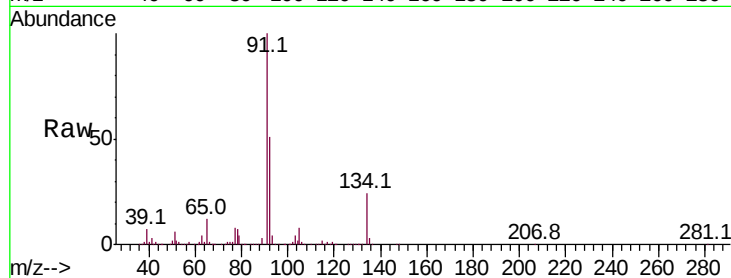
Tot Ion: 91 Resp: 1742370

Ion Ratio Lower Upper

91 100

92 52.0 26.5 79.5

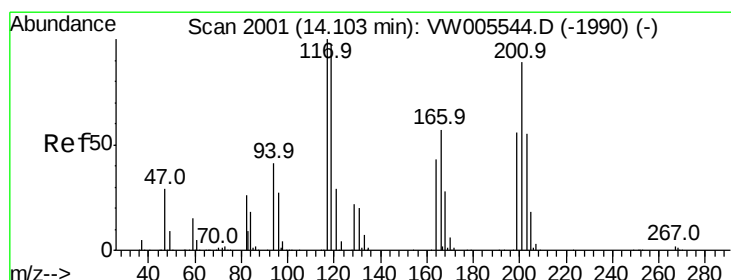
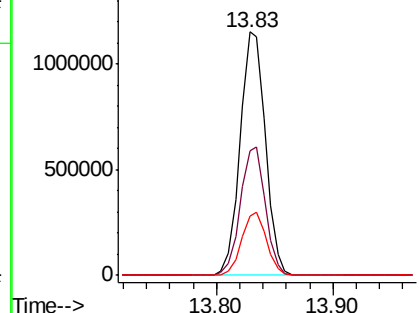
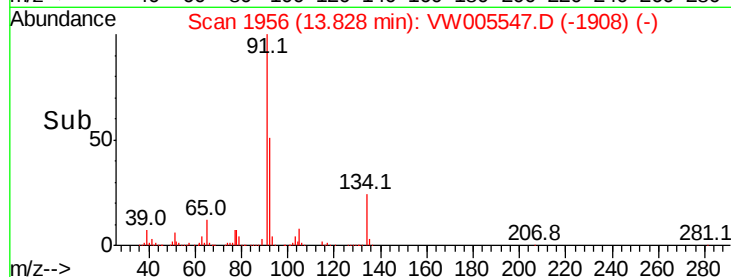
134 25.4 12.9 38.7



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 157.166 ug/l

RT: 14.10 min Scan# 2001

Delta R.T. -0.00 min

Lab File: VW005547.D

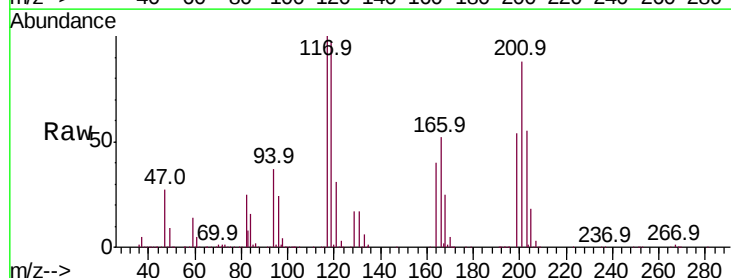
Acq: 20 Sep 2018 23:11

Tgt Ion: 117 Resp: 329159

Ion Ratio Lower Upper

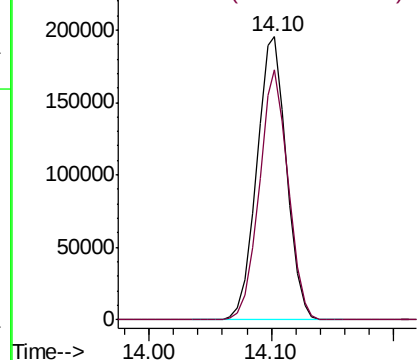
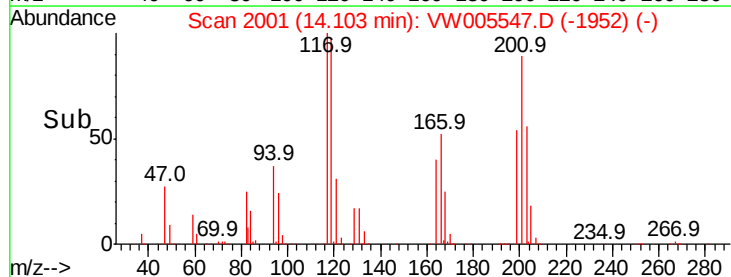
117 100

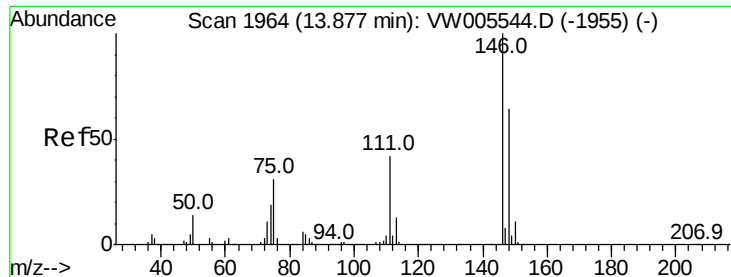
201 85.8 42.8 128.3



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 146.057 ug/l

RT: 13.88 min Scan# 1964

Delta R.T. -0.00 min

Lab File: VW005547.D

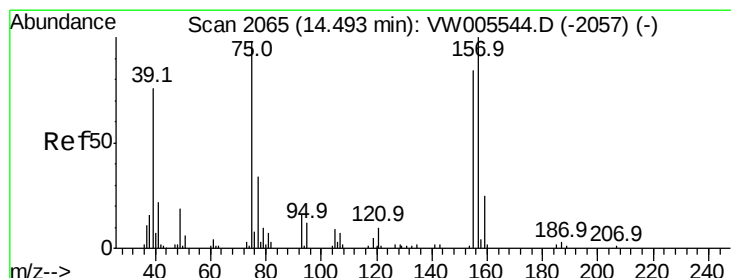
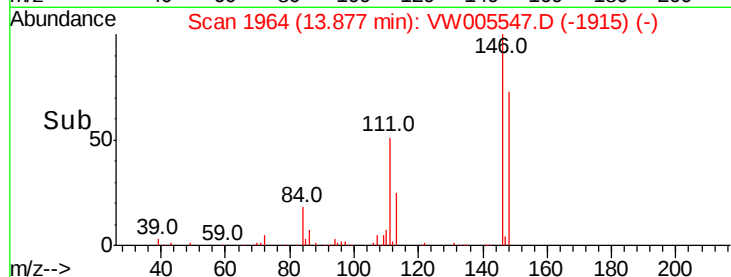
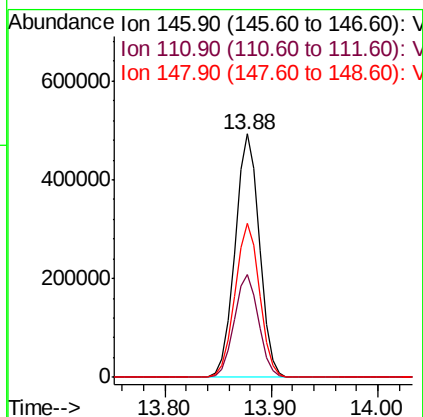
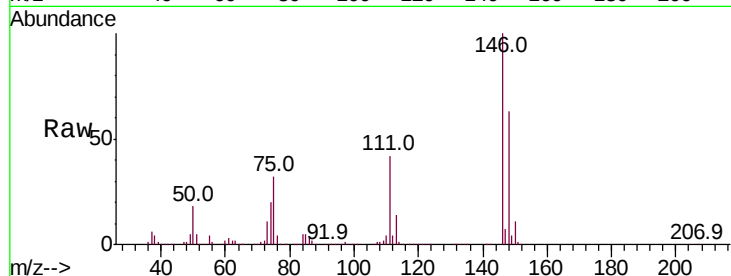
Acq: 20 Sep 2018 23:11

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion:	146	Resp:	790297
Ion	Ratio	Lower	Upper
146	100		
111	42.0	21.3	63.9
148	63.7	32.0	96.2



#92

1,2-Dibromo-3-Chloropropane

Concen: 171.690 ug/l

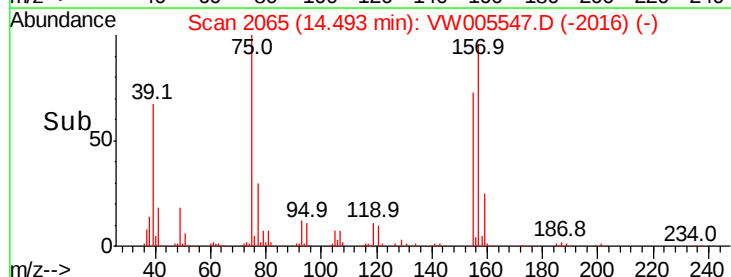
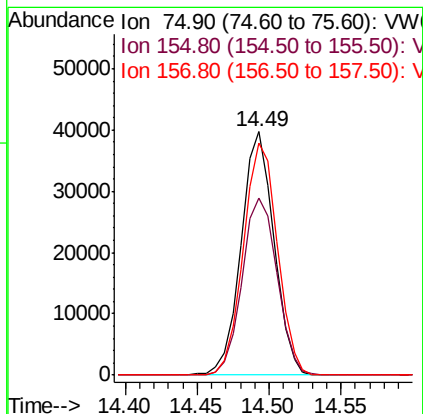
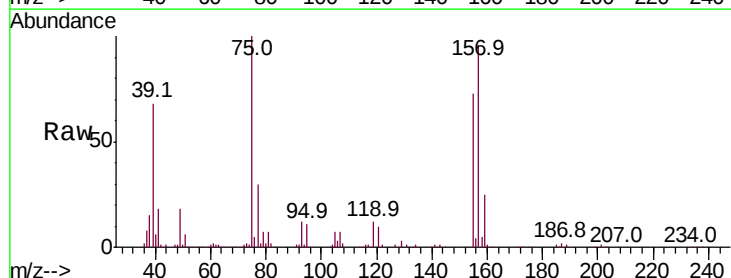
RT: 14.49 min Scan# 2065

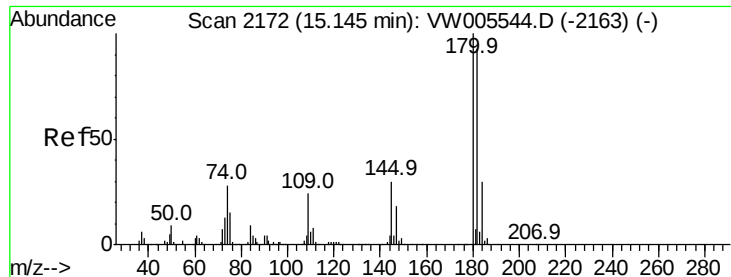
Delta R.T. -0.00 min

Lab File: VW005547.D

Acq: 20 Sep 2018 23:11

Tgt Ion:	75	Resp:	62830
Ion	Ratio	Lower	Upper
75	100		
155	77.1	39.1	117.5
157	98.2	50.8	152.4

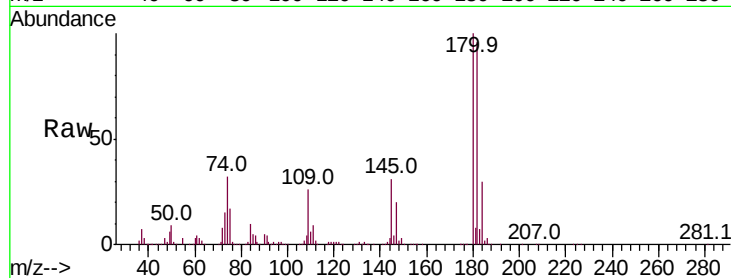




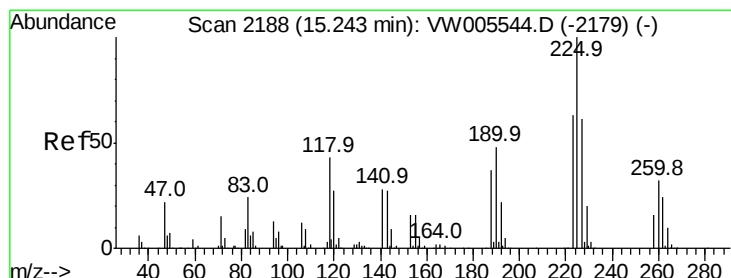
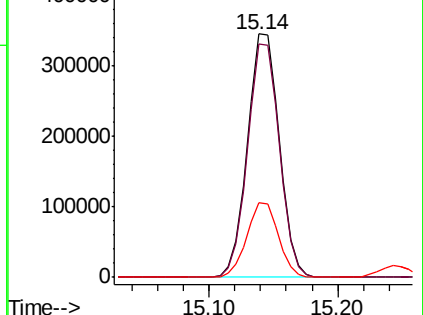
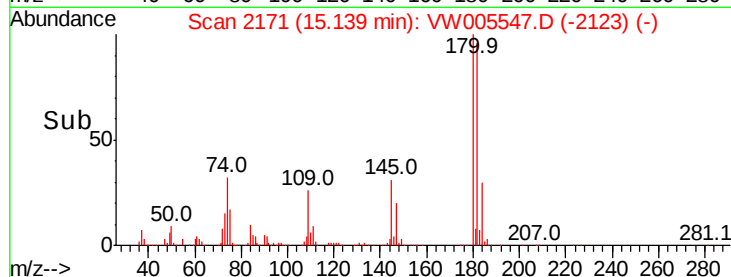
#93
 1,2,4-Trichlorobenzene
 Concen: 160.910 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.01 min
 Lab File: VW005547.D
 Acq: 20 Sep 2018 23:11

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.7	143.1
145	30.4	15.0	45.1

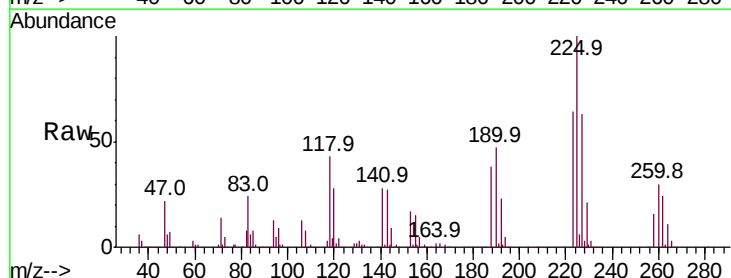


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

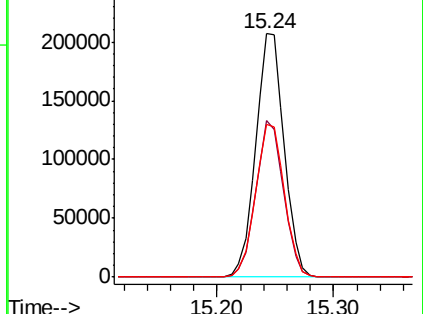
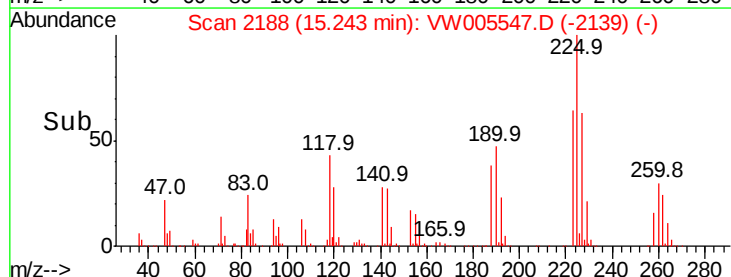


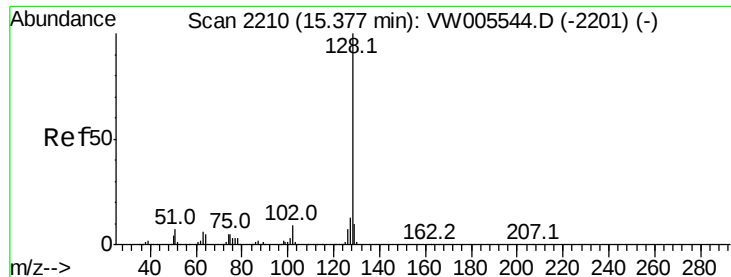
#94
 Hexachlorobutadiene
 Concen: 147.795 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW005547.D
 Acq: 20 Sep 2018 23:11

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.1	31.1	93.3
227	63.7	31.8	95.3



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

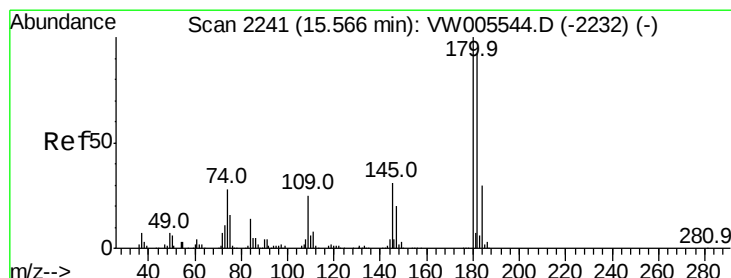
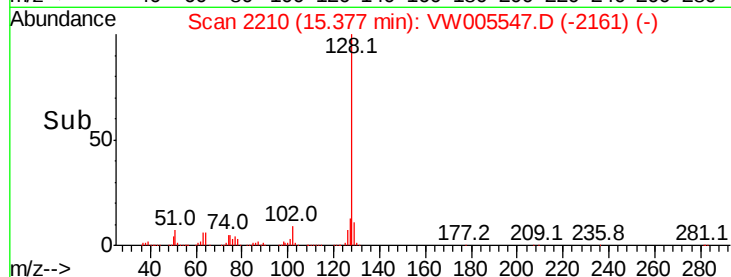
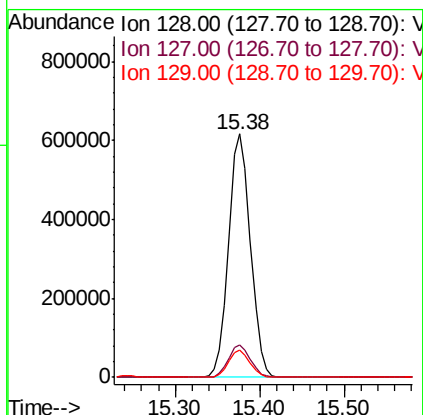
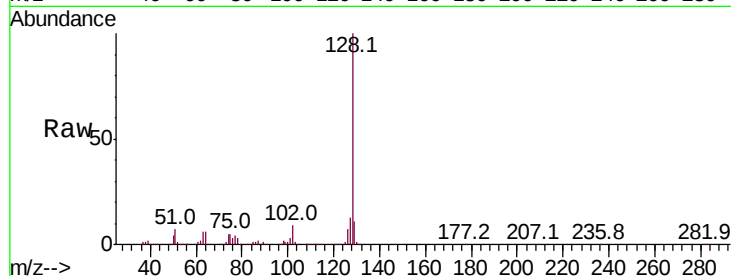




#95
Naphthalene
Concen: 178.509 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. -0.00 min
Lab File: VW005547.D
Acq: 20 Sep 2018 23:11

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:128 Resp: 1088100
Ion Ratio Lower Upper
128 100
127 13.4 10.9 16.3
129 11.0 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 161.760 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. -0.00 min
Lab File: VW005547.D
Acq: 20 Sep 2018 23:11

Tgt Ion:180 Resp: 515636
Ion Ratio Lower Upper
180 100
182 95.1 47.3 141.9
145 32.2 16.0 47.9

