

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092118\
 Data File : VW005546.D
 Acq On : 20 Sep 2018 22:45
 Operator : SY/AP
 Sample : VSTDCC100
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 21 04:41:22 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	236524	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	360754	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	320041	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	175950	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	261472	102.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	205.96%	
35) Dibromofluoromethane	7.89	113	217622	104.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	208.50%	
50) Toluene-d8	10.33	98	895852	96.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	192.34%	
62) 4-Bromofluorobenzene	12.62	95	334334	98.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	196.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	139938	64.259	ug/l	99
3) Chloromethane	2.22	50	175539	66.246	ug/l	100
4) Vinyl Chloride	2.37	62	211203	82.223	ug/l	99
5) Bromomethane	2.78	94	140094	74.273	ug/l	98
6) Chloroethane	2.93	64	133694	87.344	ug/l	99
7) Trichlorofluoromethane	3.26	101	171863	53.399	ug/l	98
8) Diethyl Ether	3.68	74	100293	94.953	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.06	101	205941	99.559	ug/l	99
10) Methyl Iodide	4.26	142	323141	141.399	ug/l	99
11) Tert butyl alcohol	5.21	59	63615	364.900	ug/l #	86
12) 1,1-Dichloroethene	4.03	96	196465	103.872	ug/l	94
13) Acrolein	3.90	56	43748	382.018	ug/l	100
14) Allyl chloride	4.67	41	363062	104.101	ug/l	99
15) Acrylonitrile	5.37	53	233151	486.818	ug/l	99
16) Acetone	4.14	43	198769	481.525	ug/l	96
17) Carbon Disulfide	4.37	76	617883	94.739	ug/l	99
18) Methyl Acetate	4.68	43	118030	98.180	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	317134	67.209	ug/l	99
20) Methylene Chloride	4.91	84	216079	73.282	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	221336	98.744	ug/l	98
22) Diisopropyl ether	6.31	45	708139	103.848	ug/l	99
23) Vinyl Acetate	6.26	43	2052699	526.931	ug/l	99
24) 1,1-Dichloroethane	6.22	63	420653	100.891	ug/l	99
25) 2-Butanone	7.18	43	300615	499.575	ug/l	99
26) 2,2-Dichloropropane	7.17	77	275649	77.176	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	246342	100.994	ug/l	100
28) Bromochloromethane	7.51	49	162843	100.334	ug/l	100
29) Tetrahydrofuran	7.54	42	194382	505.396	ug/l	100
30) Chloroform	7.68	83	437388	101.064	ug/l	98
31) Cyclohexane	7.96	56	383790	96.407	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	382865	96.856	ug/l	99
36) 1,1-Dichloropropene	8.09	75	344107	99.154	ug/l	100
37) Ethyl Acetate	7.26	43	133697	93.994	ug/l	98
38) Carbon Tetrachloride	8.07	117	366567	100.708	ug/l	99

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 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)
39) Methylcyclohexane	9.34	83	420789	104.574	ug/l	98
40) Benzene	8.33	78	952769	95.302	ug/l	99
41) Methacrylonitrile	7.49	41	83586	98.103	ug/l	97
42) 1,2-Dichloroethane	8.40	62	302337	95.711	ug/l	99
43) Isopropyl Acetate	8.43	43	277198	100.462	ug/l	99
44) Trichloroethene	9.10	130	246882	95.918	ug/l	95
45) 1,2-Dichloropropane	9.37	63	234065	97.245	ug/l	99
46) Dibromomethane	9.46	93	115305	96.939	ug/l	99
47) Bromodichloromethane	9.65	83	322339	100.317	ug/l	100
48) Methyl methacrylate	9.44	41	140515	102.955	ug/l	96
49) 1,4-Dioxane	9.47	88	37945	1962.352	ug/l #	100
51) 4-Methyl-2-Pentanone	10.21	43	712930	505.172	ug/l	98
52) Toluene	10.39	92	610612	91.536	ug/l	98
53) t-1,3-Dichloropropene	10.61	75	333526	103.662	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	371370	101.993	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	165039	93.953	ug/l	98
56) Ethyl methacrylate	10.65	69	222347	101.115	ug/l	99
57) 1,3-Dichloropropane	10.94	76	294910	97.458	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	518693	518.655	ug/l	99
59) 2-Hexanone	10.98	43	488495	510.069	ug/l	99
60) Dibromochloromethane	11.13	129	205103	97.187	ug/l	98
61) 1,2-Dibromoethane	11.24	107	146601	92.740	ug/l	92
64) Tetrachloroethene	10.87	164	216104	91.894	ug/l	98
65) Chlorobenzene	11.66	112	666004	97.568	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.74	131	241220	108.127	ug/l	98
67) Ethyl Benzene	11.74	91	1219778	101.585	ug/l	99
68) m/p-Xylenes	11.85	106	914833	198.410	ug/l	97
69) o-Xylene	12.17	106	435560	101.473	ug/l	99
70) Styrene	12.19	104	732287	102.965	ug/l	99
71) Bromoform	12.35	173	126416	107.265	ug/l #	99
73) Isopropylbenzene	12.47	105	1250072	100.845	ug/l	100
74) N-amyl acetate	12.28	43	275442	104.794	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	189723	102.789	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	272232	185.643	ug/l #	100
77) Bromobenzene	12.76	156	275725	94.382	ug/l	99
78) n-propylbenzene	12.81	91	1492571	99.808	ug/l	99
79) 2-Chlorotoluene	12.90	91	854371	97.194	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	1064160	98.681	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	65704	114.238	ug/l	96
82) 4-Chlorotoluene	12.99	91	888977	95.725	ug/l	99
83) tert-Butylbenzene	13.21	119	921706	102.760	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	1068554	97.508	ug/l	98
85) sec-Butylbenzene	13.39	105	1317781	101.670	ug/l	100
86) p-Isopropyltoluene	13.51	119	1175382	101.345	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	563153	94.925	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	550934	94.433	ug/l	99
89) n-Butylbenzene	13.83	91	1104450	102.378	ug/l	100
90) Hexachloroethane	14.10	117	208389	104.026	ug/l	100
91) 1,2-Dichlorobenzene	13.88	146	492385	95.137	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	36047	102.981	ug/l	97

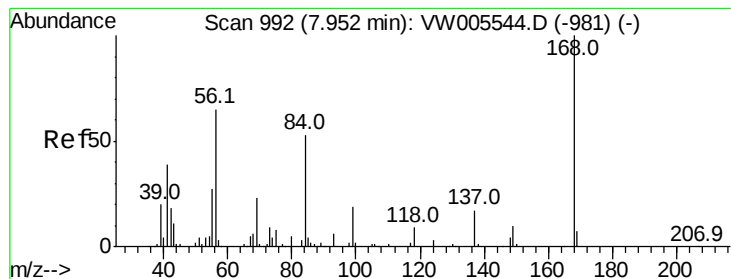
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	366904	105.425	ug/l	99
94) Hexachlorobutadiene	15.24	225	231181	102.237	ug/l	99
95) Naphthalene	15.38	128	645375	110.692	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	319641	104.834	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW005546.D

Acq: 20 Sep 2018 22:45

Instrument :

MSVOA_W

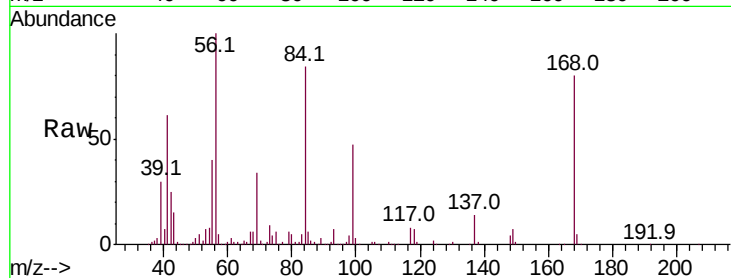
ClientSampled :

Tot Ion:168 Resp: 236524

Ion Ratio Lower Upper

168 100

99 58.1 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

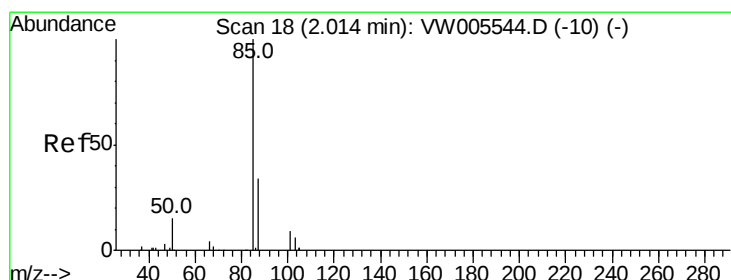
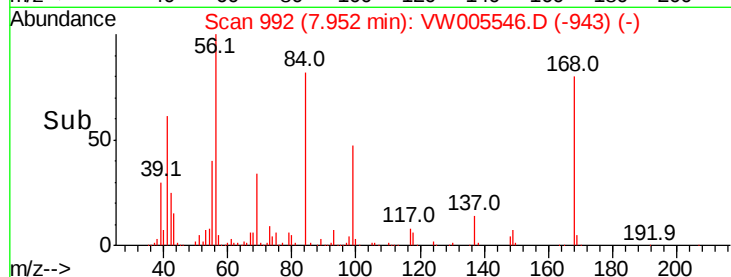
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 64.259 ug/l

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW005546.D

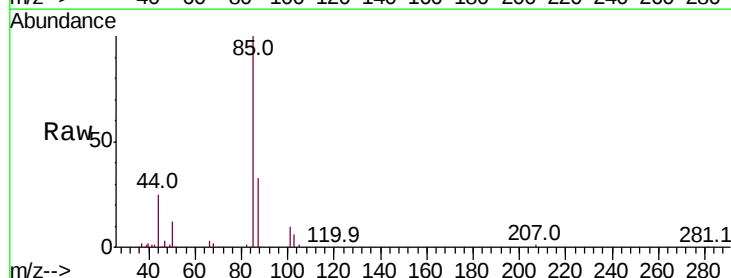
Acq: 20 Sep 2018 22:45

Tgt Ion: 85 Resp: 139938

Ion Ratio Lower Upper

85 100

87 33.5 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

40000

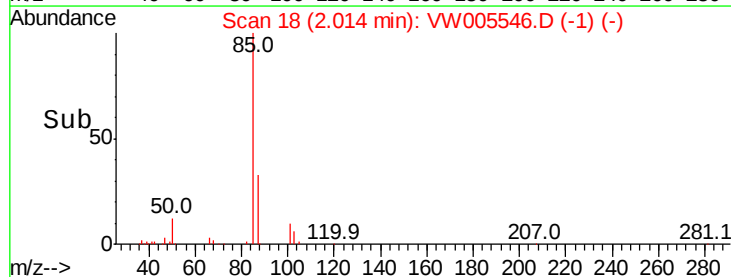
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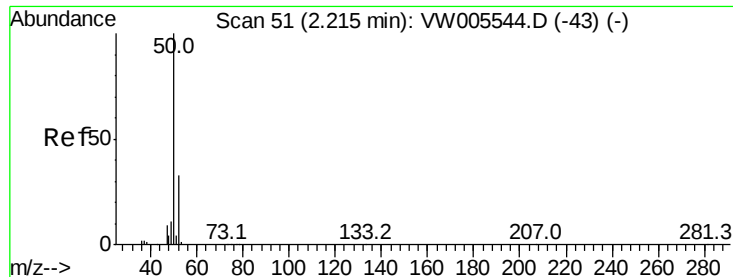
20000

10000

0

Time-->





#3

Chloromethane

Concen: 66.246 ug/l

RT: 2.22 min Scan# 52

Delta R.T. 0.01 min

Lab File: VW005546.D

Acq: 20 Sep 2018 22:45

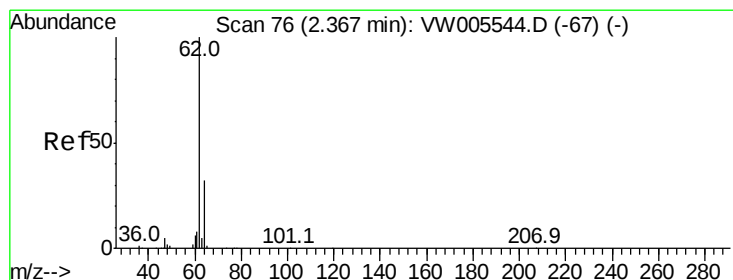
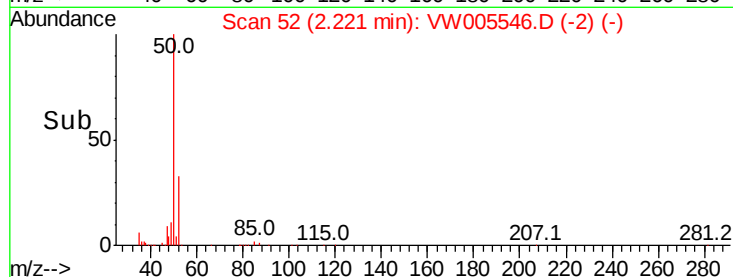
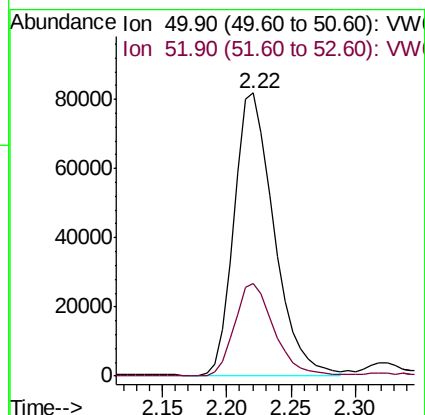
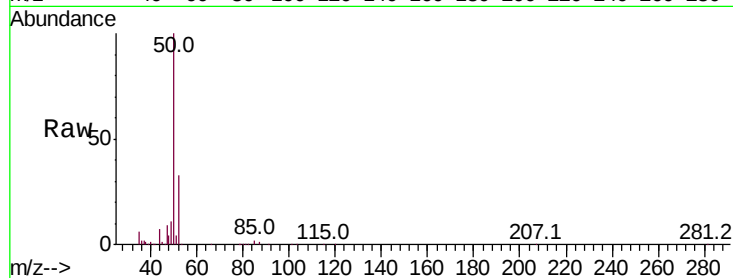
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 50 Resp: 175539

Ion Ratio Lower Upper

50 100

52 32.8 26.2 39.4



#4

Vinyl Chloride

Concen: 82.223 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW005546.D

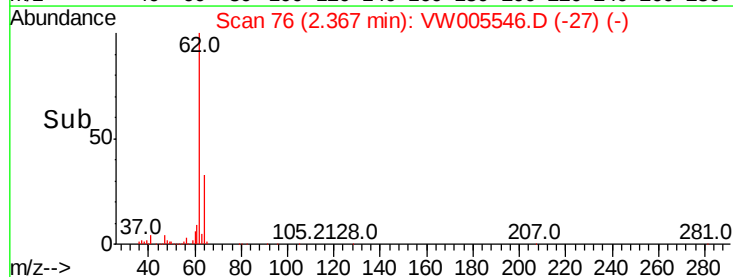
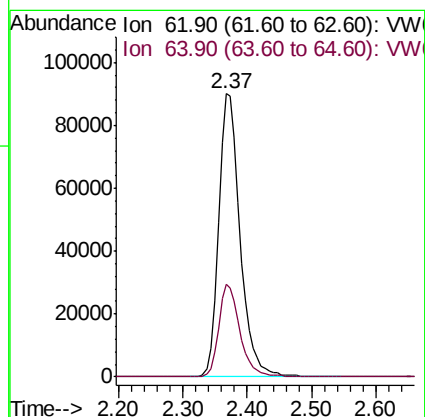
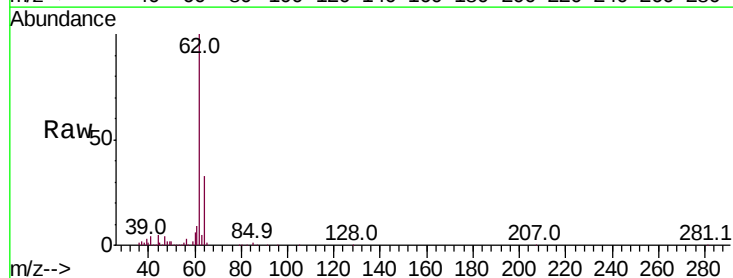
Acq: 20 Sep 2018 22:45

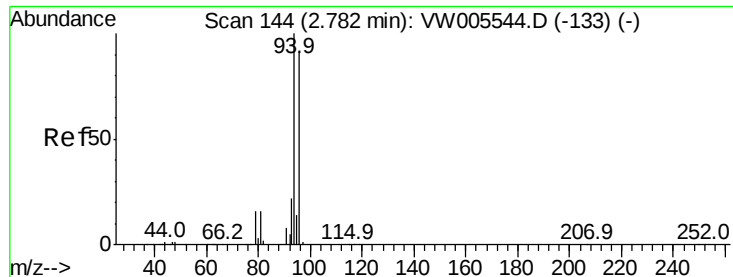
Tgt Ion: 62 Resp: 211203

Ion Ratio Lower Upper

62 100

64 32.8 25.7 38.5





#5

Bromomethane

Concen: 74.273 ug/l

RT: 2.78 min Scan# 144

Delta R.T. -0.00 min

Lab File: VW005546.D

Acq: 20 Sep 2018 22:45

Instrument :

MSVOA_W

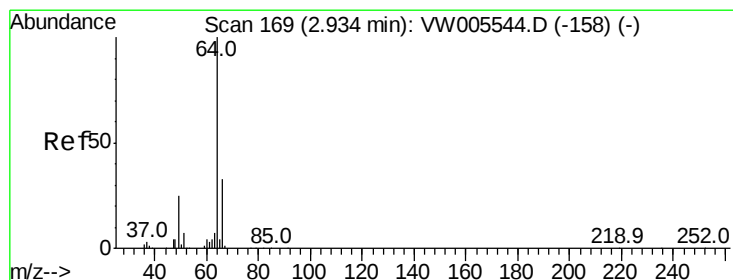
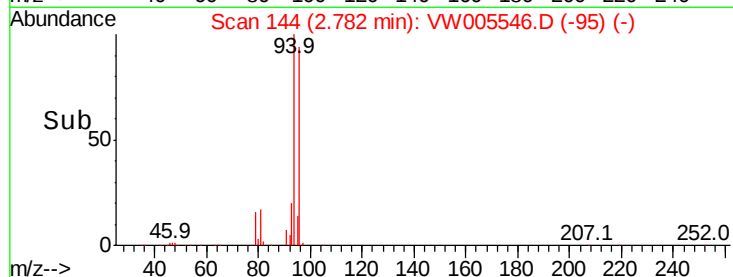
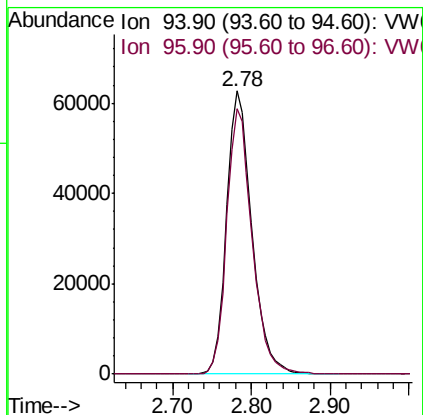
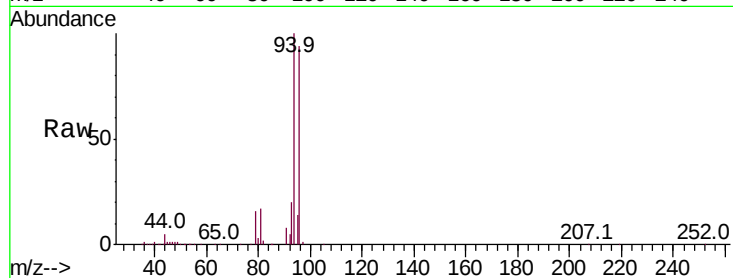
ClientSampleId :

Tot Ion: 94 Resp: 140094

Ion Ratio Lower Upper

94 100

96 93.6 73.1 109.7



#6

Chloroethane

Concen: 87.344 ug/l

RT: 2.93 min Scan# 168

Delta R.T. -0.01 min

Lab File: VW005546.D

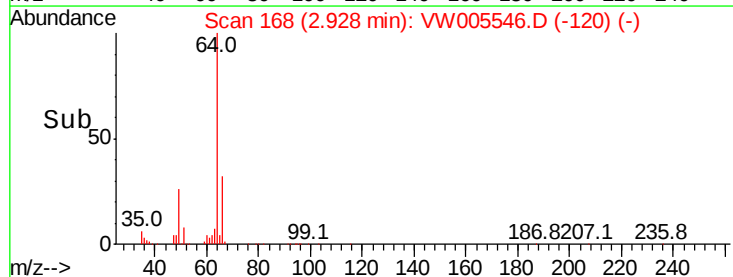
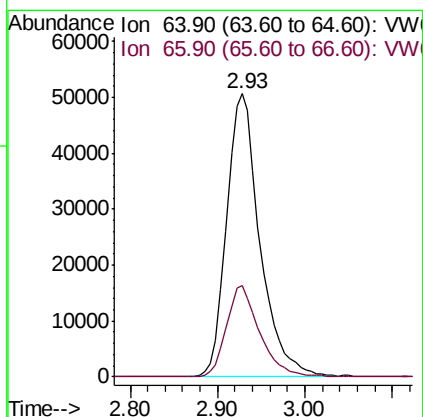
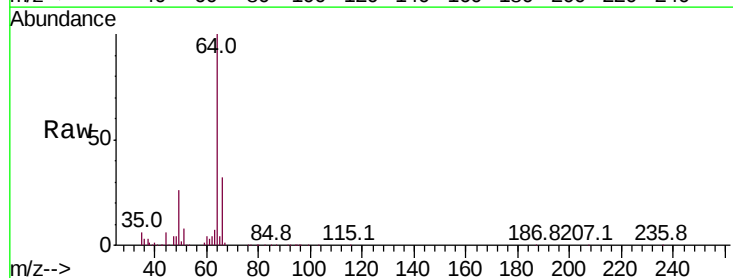
Acq: 20 Sep 2018 22:45

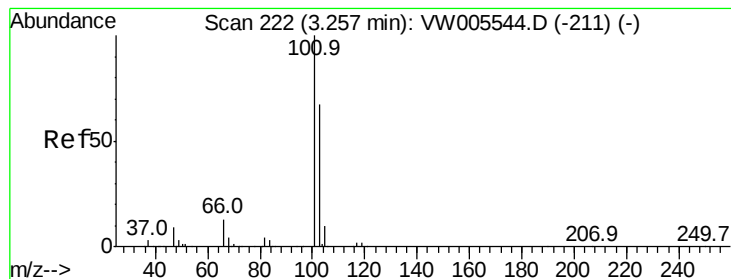
Tgt Ion: 64 Resp: 133694

Ion Ratio Lower Upper

64 100

66 31.8 26.0 39.0



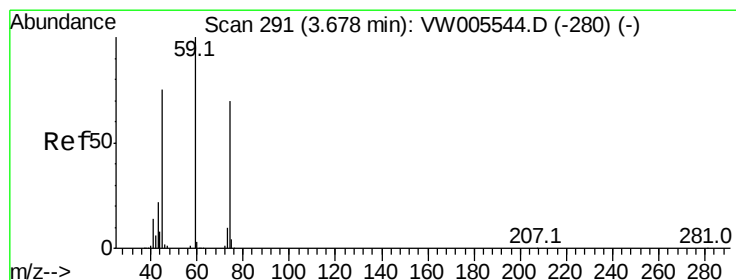
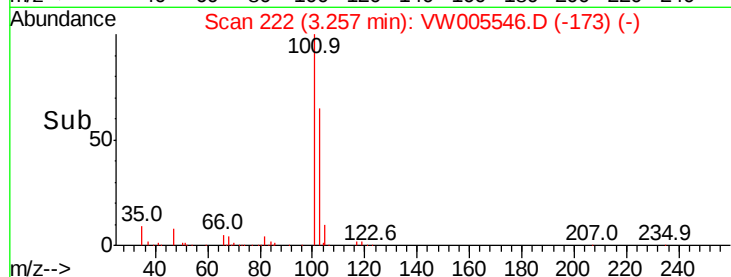
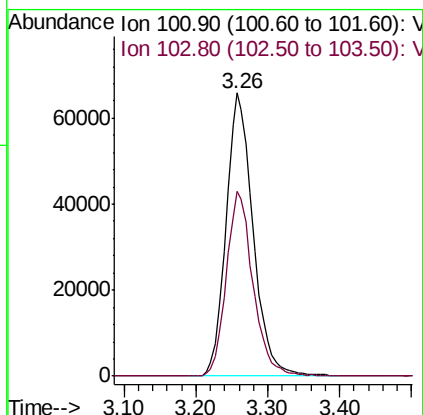
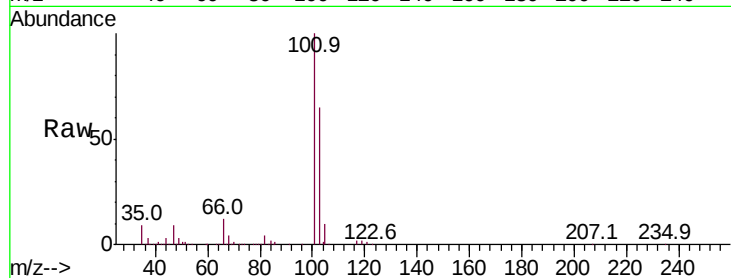


#7

Trichlorofluoromethane
 Concen: 53.399 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.00 min
 Lab File: VW005546.D
 Acq: 20 Sep 2018 22:45

Instrument :
 MSVOA_W
 ClientSampleId :

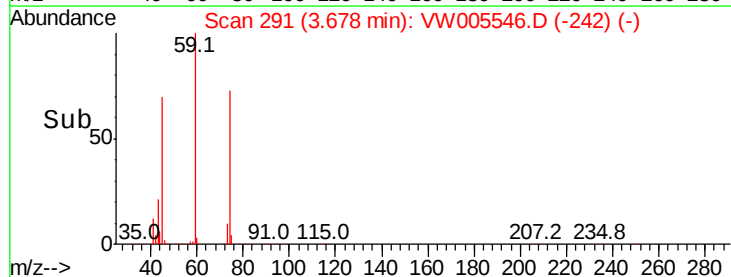
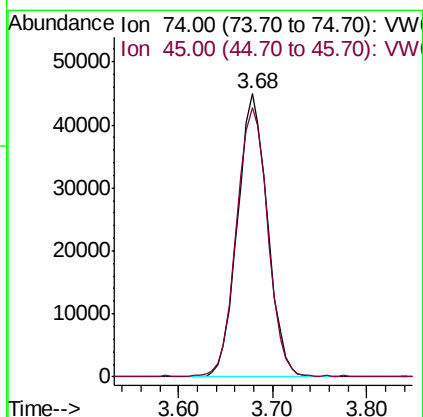
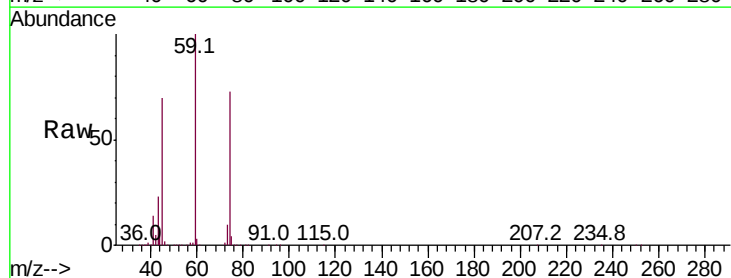
Tot Ion:101 Resp: 171863
 Ion Ratio Lower Upper
 101 100
 103 65.2 53.2 79.8

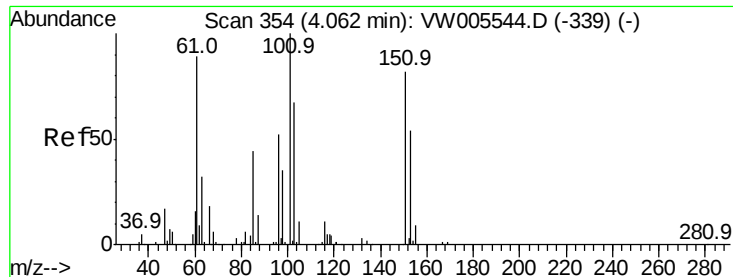


#8

Diethyl Ether
 Concen: 94.953 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW005546.D
 Acq: 20 Sep 2018 22:45

Tgt Ion: 74 Resp: 100293
 Ion Ratio Lower Upper
 74 100
 45 98.2 51.7 155.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 99.559 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW005546.D

Acq: 20 Sep 2018 22:45

Instrument :

MSVOA_W

ClientSampleId :

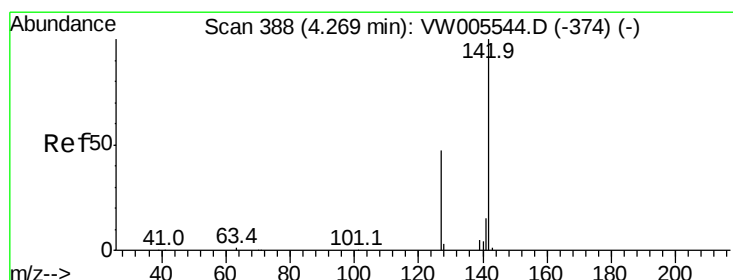
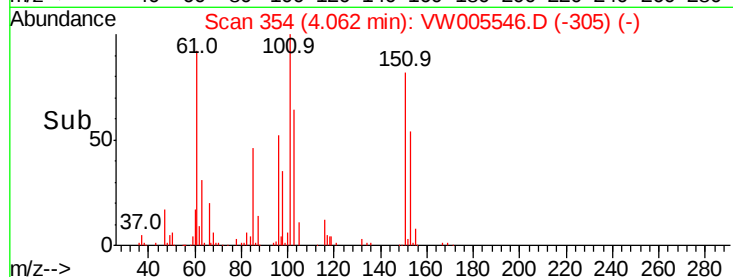
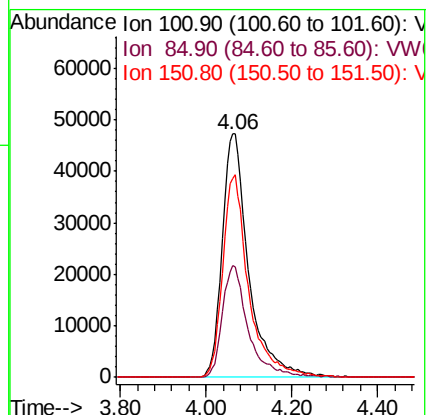
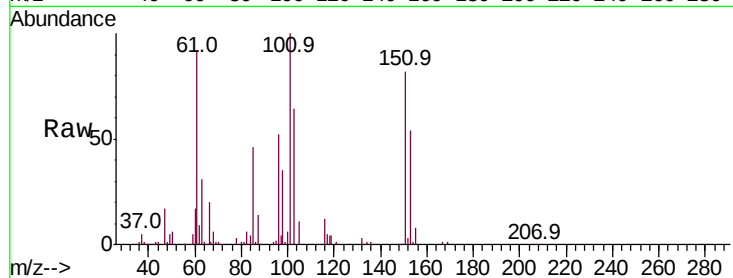
Tot Ion:101 Resp: 205941

Ion Ratio Lower Upper

101 100

85 44.9 36.4 54.6

151 81.5 65.8 98.6



#10

Methyl Iodide

Concen: 141.399 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

Lab File: VW005546.D

Acq: 20 Sep 2018 22:45

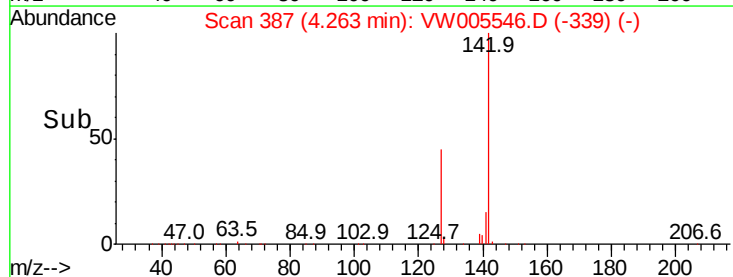
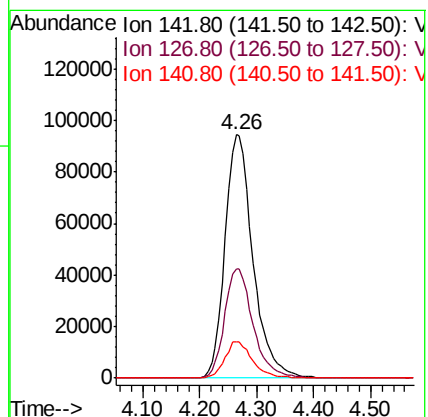
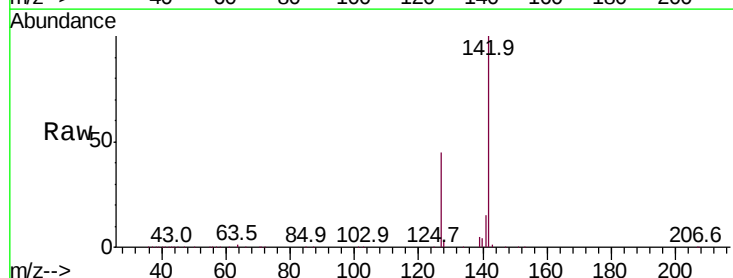
Tgt Ion:142 Resp: 323141

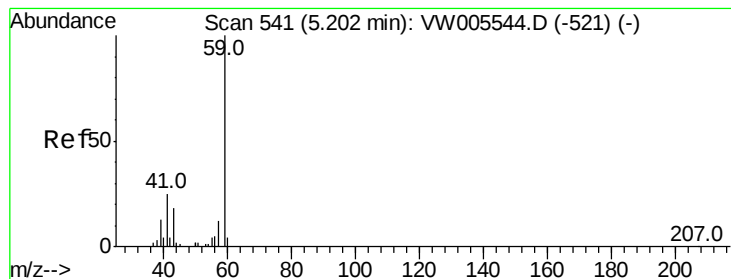
Ion Ratio Lower Upper

142 100

127 45.9 37.4 56.0

141 14.9 11.9 17.9



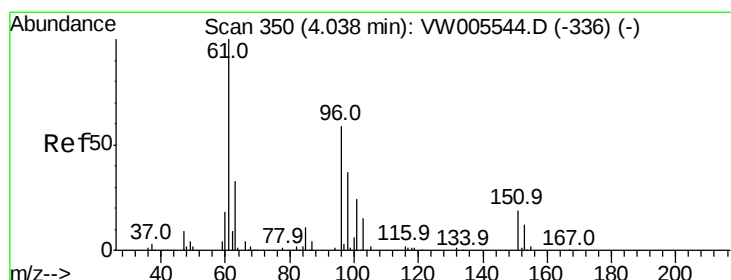
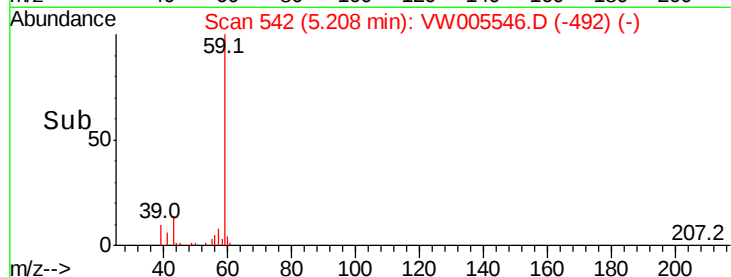
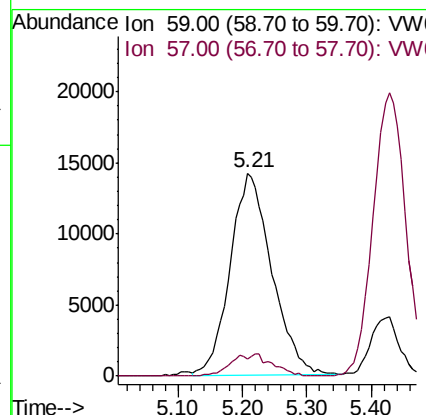
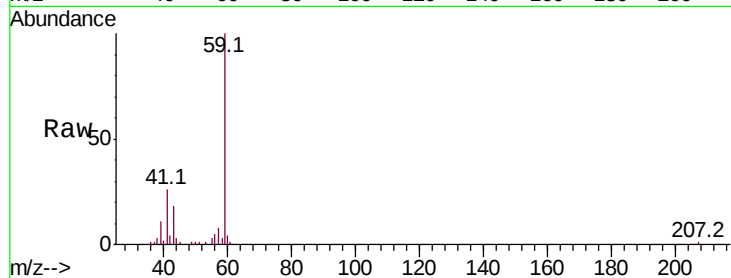


#11

Tert butyl alcohol
Concen: 364.900 ug/l
RT: 5.21 min Scan# 542
Delta R.T. 0.01 min
Lab File: VW005546.D
Acq: 20 Sep 2018 22:45

Instrument :
MSVOA_W
ClientSampleId :

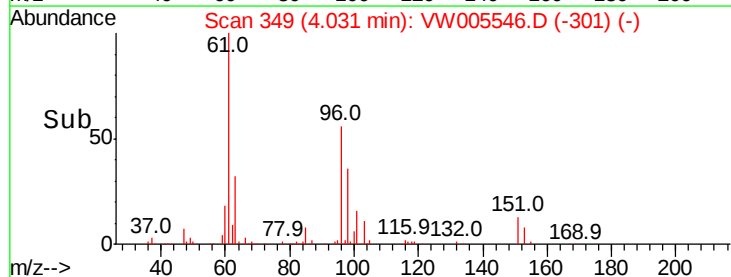
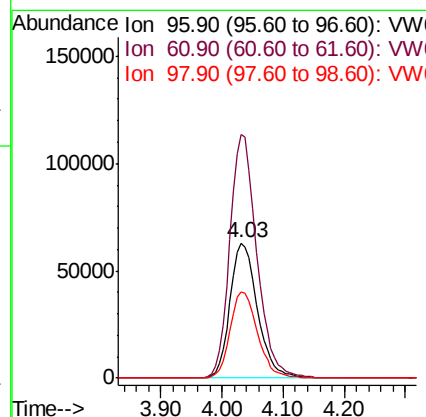
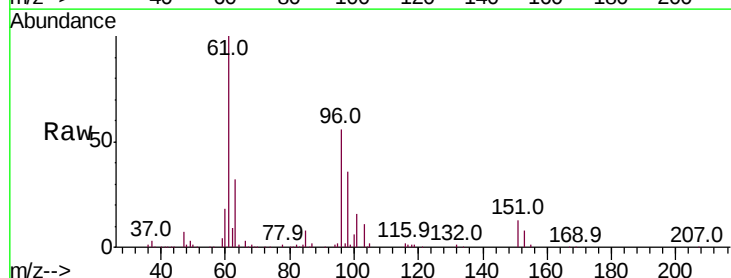
Tot Ion: 59 Resp: 63615
Ion Ratio Lower Upper
59 100
57 5.0 8.3 12.5#

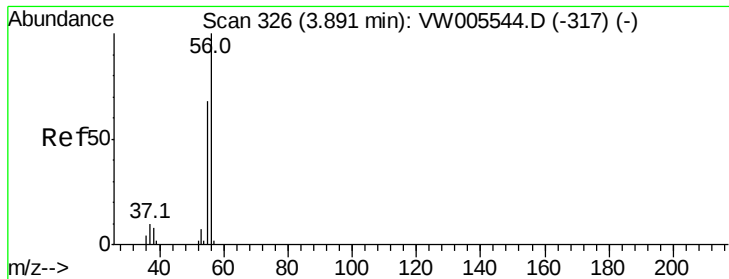


#12

1,1-Dichloroethene
Concen: 103.872 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW005546.D
Acq: 20 Sep 2018 22:45

Tgt Ion: 96 Resp: 196465
Ion Ratio Lower Upper
96 100
61 179.9 135.0 202.6
98 64.1 50.6 76.0





#13

Acrolein

Concen: 382.018 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW005546.D

Acq: 20 Sep 2018 22:45

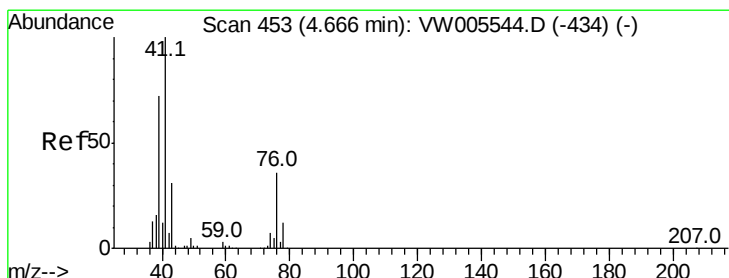
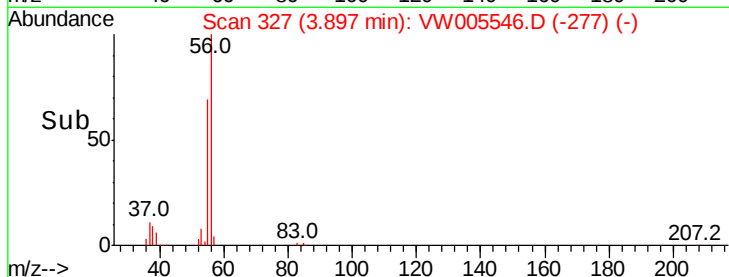
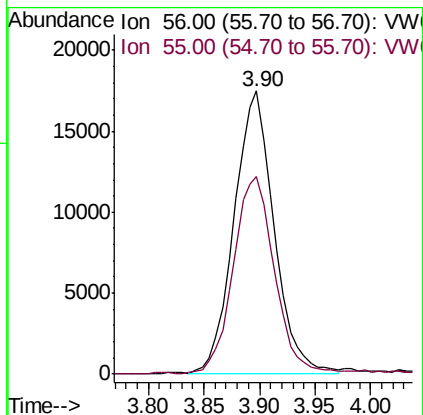
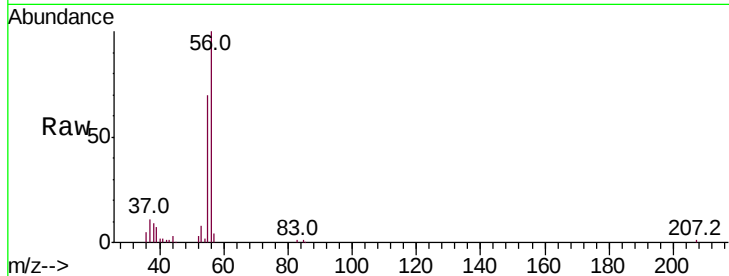
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 56 Resp: 43748

Ion Ratio Lower Upper

56 100

55 72.0 57.8 86.8



#14

Allyl chloride

Concen: 104.101 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW005546.D

Acq: 20 Sep 2018 22:45

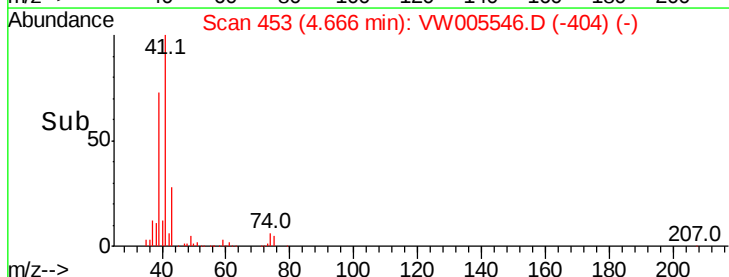
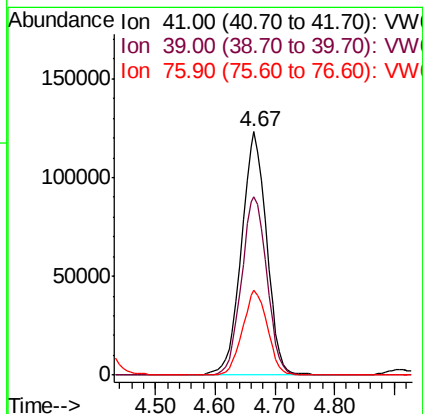
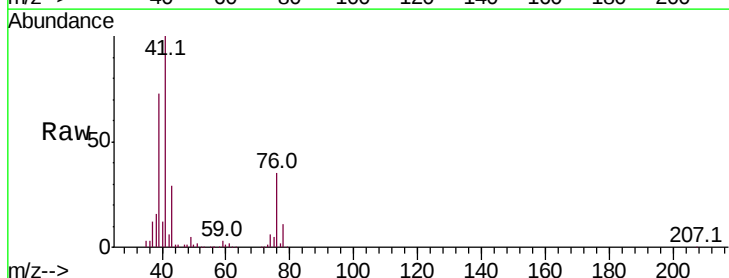
Tgt Ion: 41 Resp: 363062

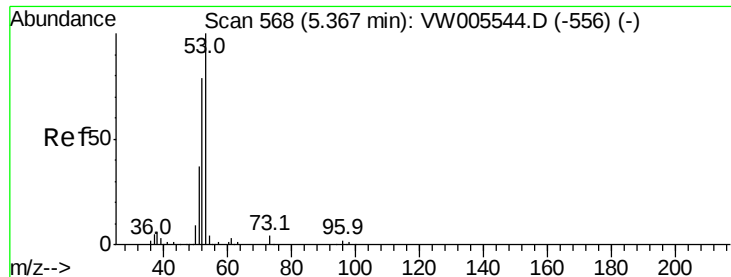
Ion Ratio Lower Upper

41 100

39 73.8 59.6 89.4

76 34.4 27.7 41.5





#15

Acrylonitrile

Concen: 486.818 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.01 min

Lab File: VW005546.D

Acq: 20 Sep 2018 22:45

Instrument :
MSVOA_W
ClientSampleId :

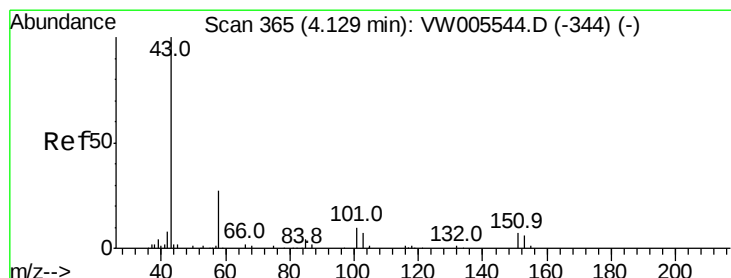
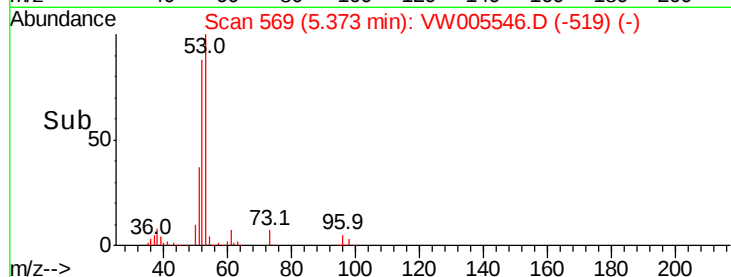
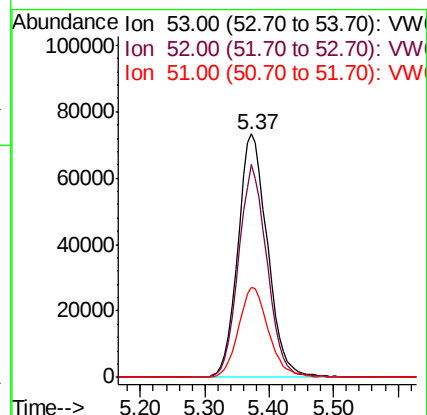
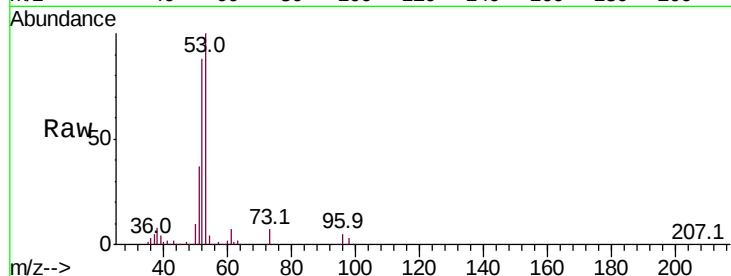
Tot Ion: 53 Resp: 233151

Ion Ratio Lower Upper

53 100

52 84.1 66.5 99.7

51 37.7 30.6 46.0



#16

Acetone

Concen: 481.525 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW005546.D

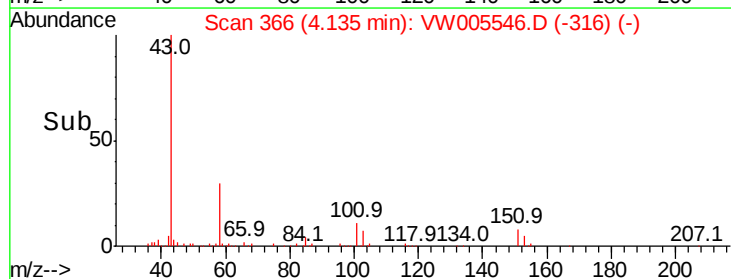
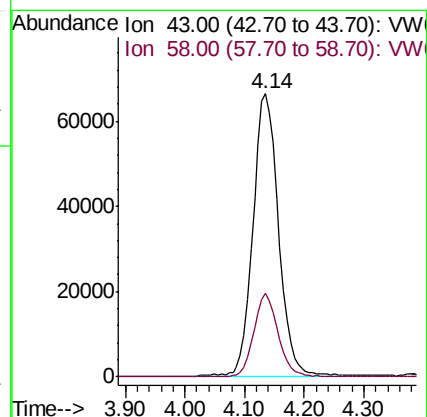
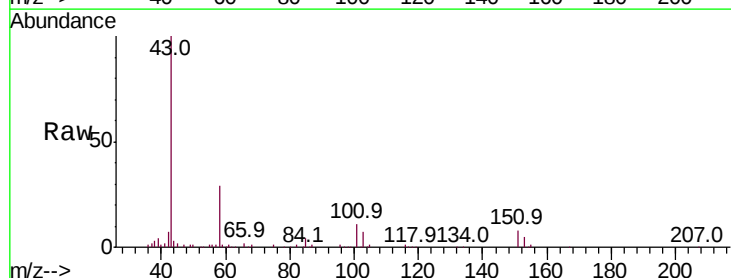
Acq: 20 Sep 2018 22:45

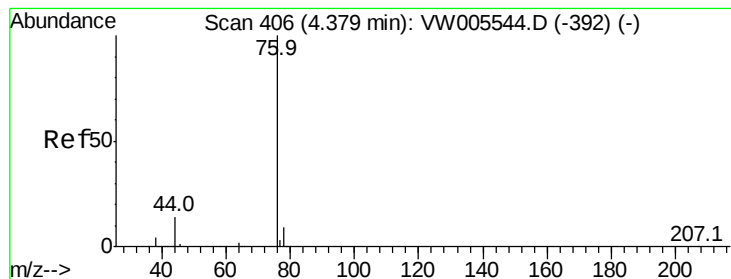
Tgt Ion: 43 Resp: 198769

Ion Ratio Lower Upper

43 100

58 29.3 21.8 32.8





#17

Carbon Disulfide

Concen: 94.739 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW005546.D

Acq: 20 Sep 2018 22:45

Instrument :

MSVOA_W

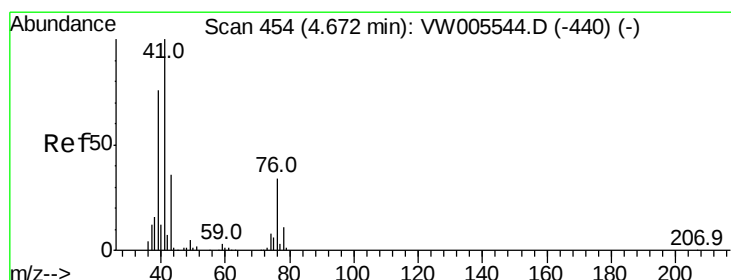
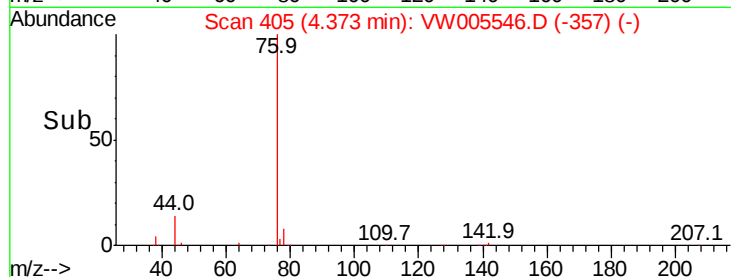
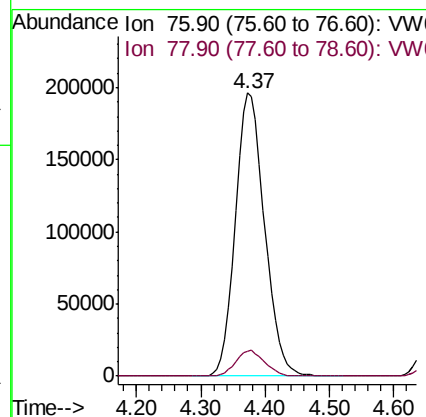
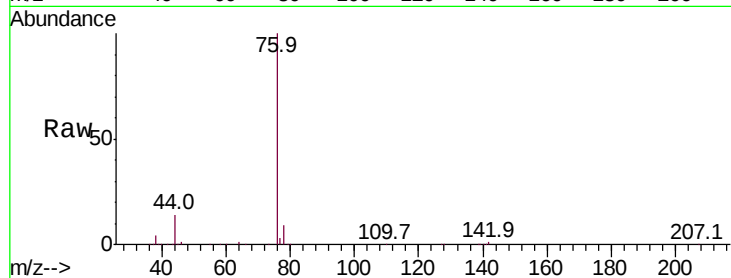
ClientSampled :

Tot Ion: 76 Resp: 617883

Ion Ratio Lower Upper

76 100

78 8.8 7.4 11.0



#18

Methyl Acetate

Concen: 98.180 ug/l

RT: 4.68 min Scan# 455

Delta R.T. 0.01 min

Lab File: VW005546.D

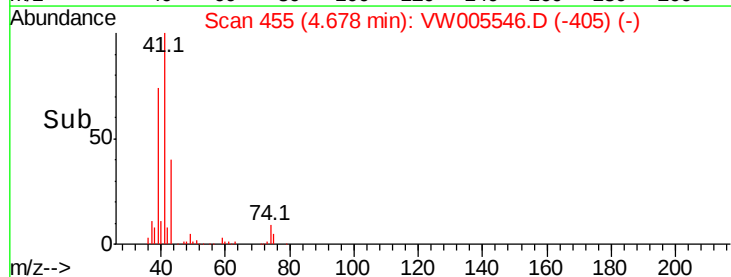
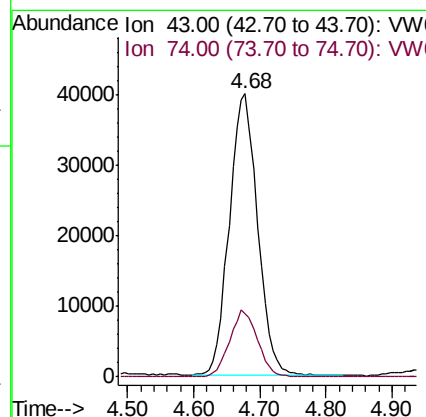
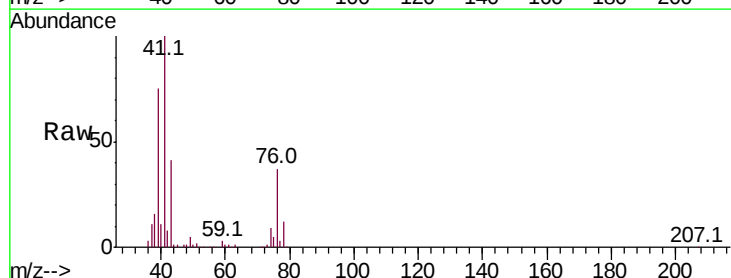
Acq: 20 Sep 2018 22:45

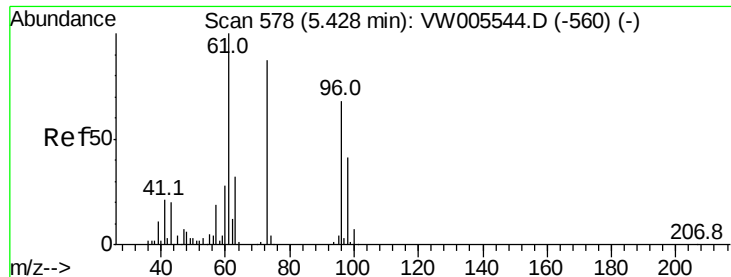
Tgt Ion: 43 Resp: 118030

Ion Ratio Lower Upper

43 100

74 23.4 19.2 28.8

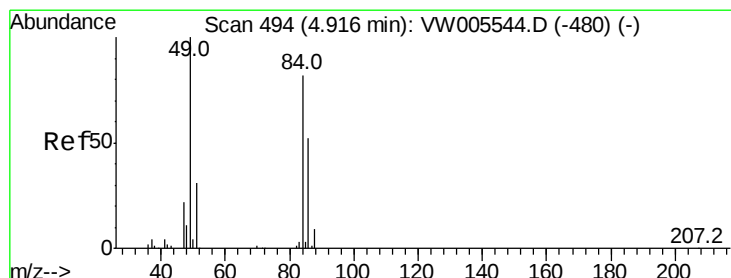
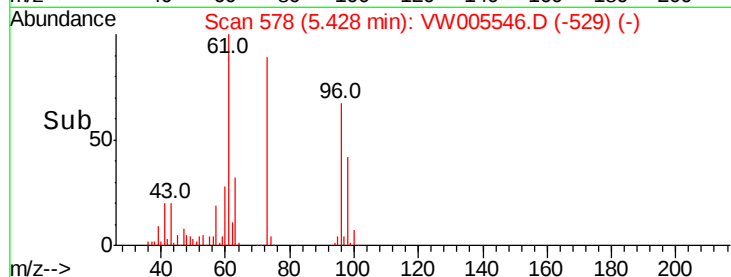
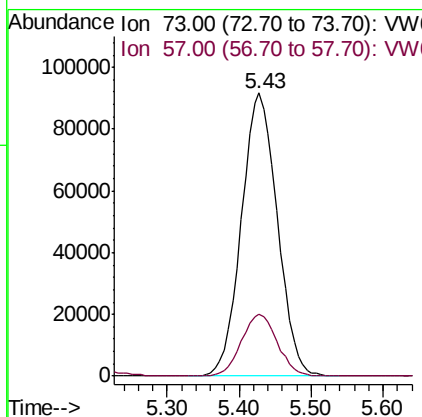
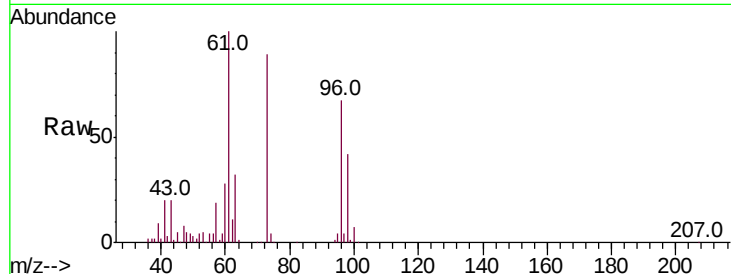




#19
Methvl tert-butvl Ether
Concen: 67.209 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW005546.D
Acq: 20 Sep 2018 22:45

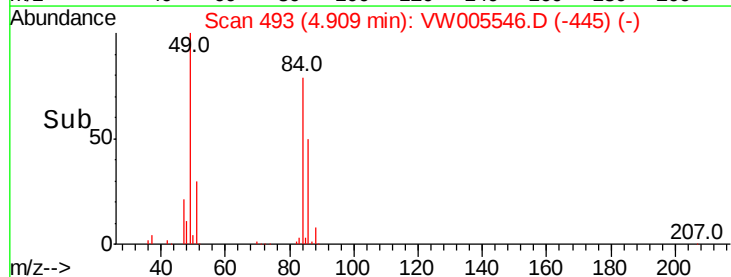
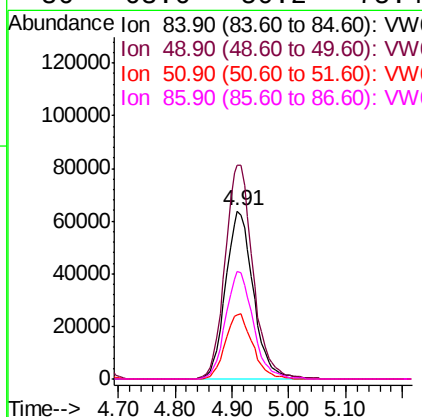
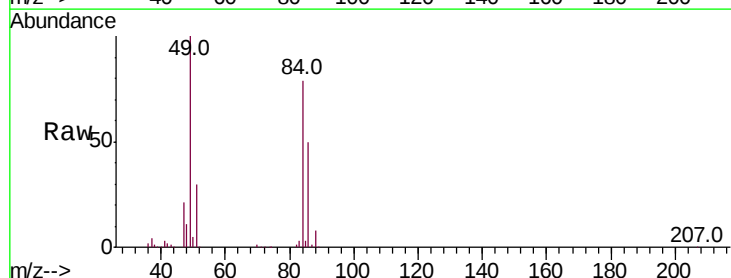
Instrument :
MSVOA_W
ClientSampled :

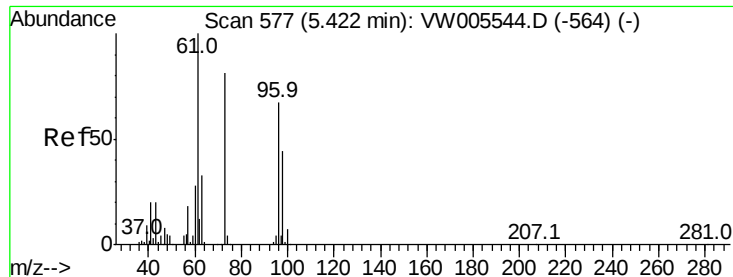
Tot Ion: 73 Resp: 317134
Ion Ratio Lower Upper
73 100
57 21.7 17.6 26.4



#20
Methylene Chloride
Concen: 73.282 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW005546.D
Acq: 20 Sep 2018 22:45

Tgt Ion: 84 Resp: 216079
Ion Ratio Lower Upper
84 100
49 126.9 97.0 145.6
51 37.9 30.2 45.2
86 63.6 50.2 75.4





#21

trans-1,2-Dichloroethene

Concen: 98.744 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW005546.D

Acq: 20 Sep 2018 22:45

Instrument :

MSVOA_W

ClientSampled :

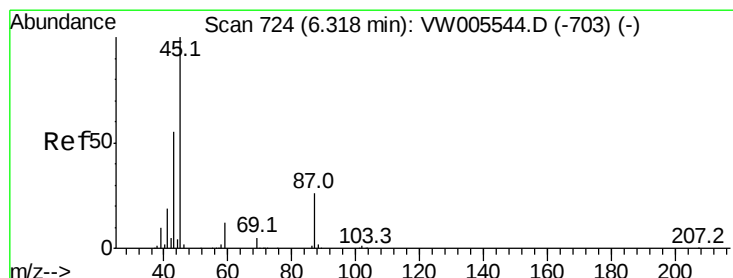
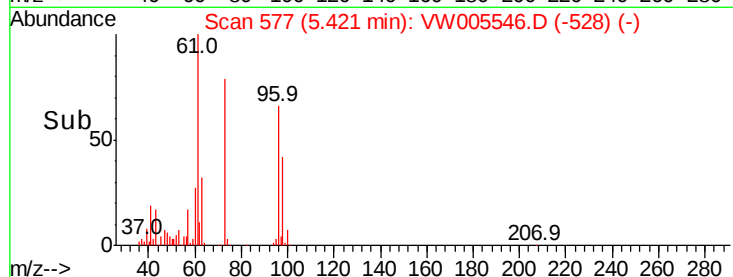
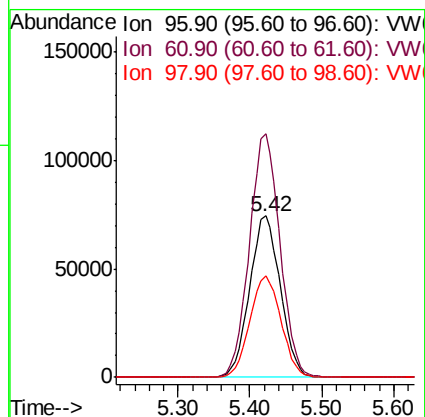
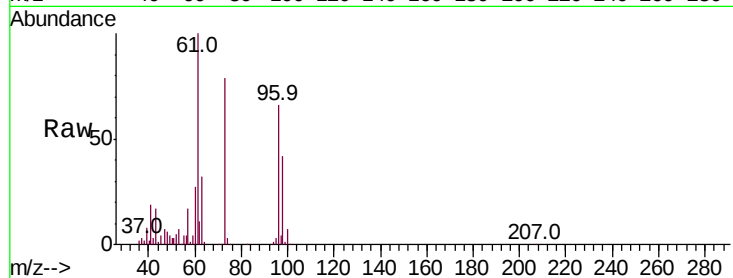
Tot Ion: 96 Resp: 221336

Ion Ratio Lower Upper

96 100

61 151.0 118.9 178.3

98 62.8 52.1 78.1



#22

Diisopropyl ether

Concen: 103.848 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.01 min

Lab File: VW005546.D

Acq: 20 Sep 2018 22:45

Tgt Ion: 45 Resp: 708139

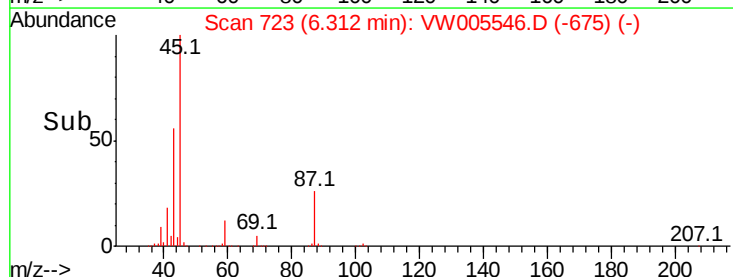
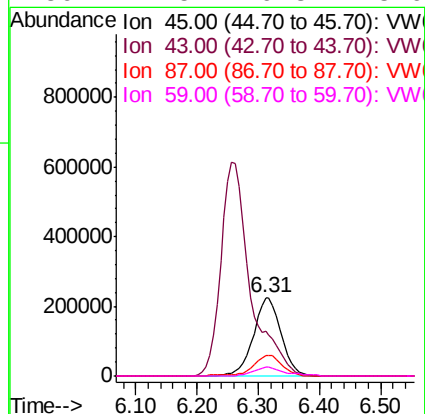
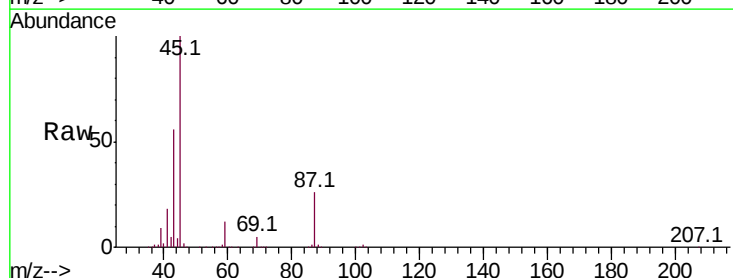
Ion Ratio Lower Upper

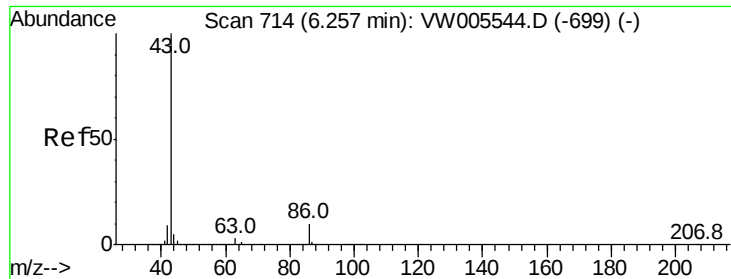
45 100

43 56.2 44.2 66.4

87 25.6 21.4 32.2

59 11.5 9.3 13.9

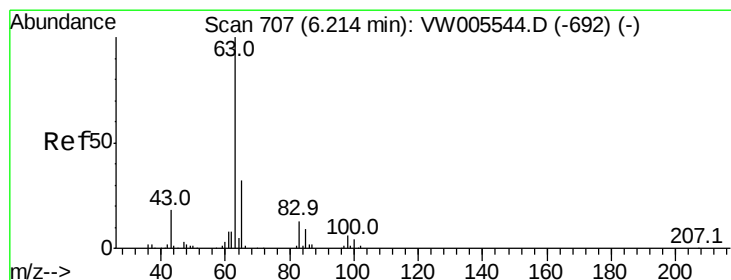
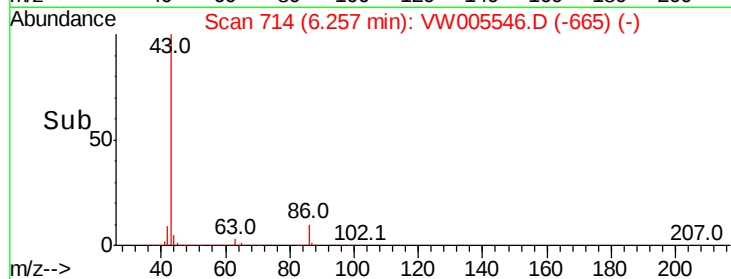
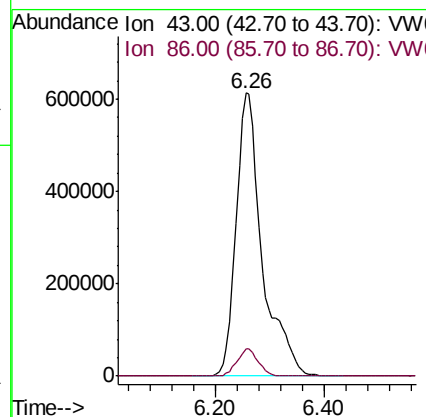
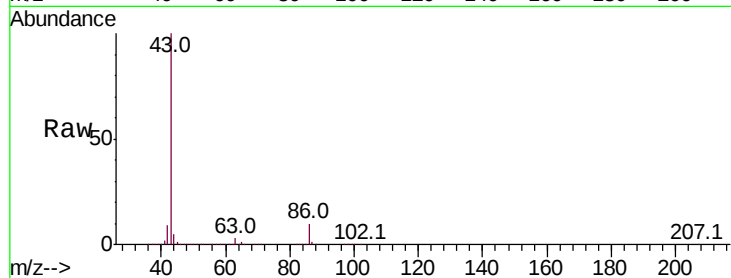




#23
 Vinyl Acetate
 Concen: 526.931 ug/l
 RT: 6.26 min Scan# 714
 Delta R.T. -0.00 min
 Lab File: VW005546.D
 Acq: 20 Sep 2018 22:45

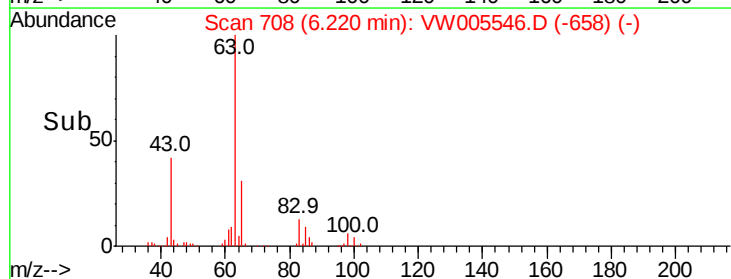
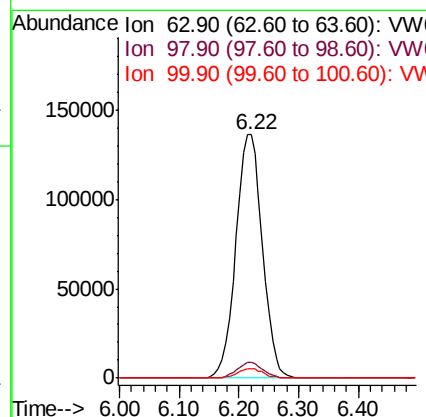
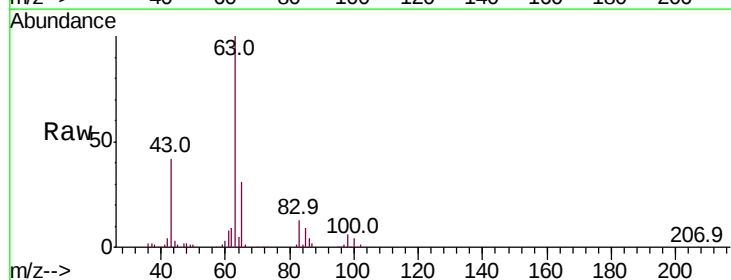
Instrument :
 MSVOA_W
 ClientSampleId :

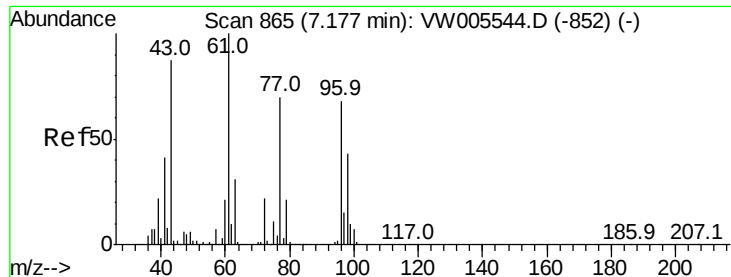
Tot Ion: 43 Resp: 2052699
 Ion Ratio Lower Upper
 43 100
 86 9.8 7.7 11.5



#24
 1,1-Dichloroethane
 Concen: 100.891 ug/l
 RT: 6.22 min Scan# 708
 Delta R.T. 0.01 min
 Lab File: VW005546.D
 Acq: 20 Sep 2018 22:45

Tgt Ion: 63 Resp: 420653
 Ion Ratio Lower Upper
 63 100
 98 6.4 2.9 8.8
 100 4.1 2.1 6.2





#25

2-Butanone

Concen: 499.575 ug/l

RT: 7.18 min Scan# 865

Delta R.T. -0.00 min

Lab File: VW005546.D

Acq: 20 Sep 2018 22:45

Instrument :

MSVOA_W

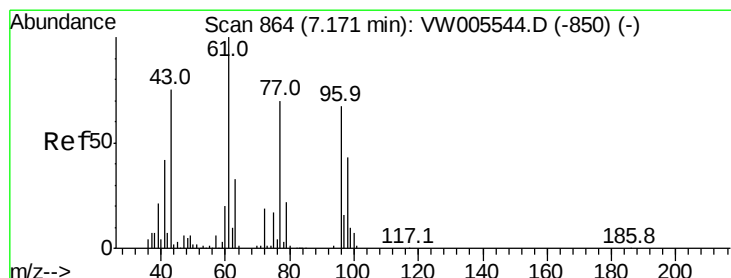
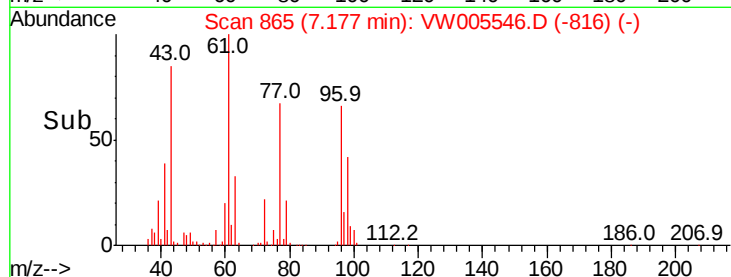
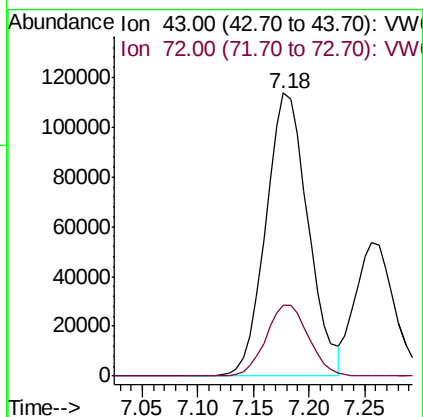
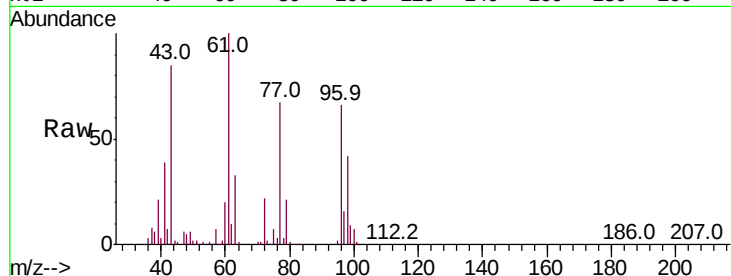
ClientSampled :

Tot Ion: 43 Resp: 300615

Ion Ratio Lower Upper

43 100

72 25.3 19.9 29.9



#26

2,2-Dichloropropane

Concen: 77.176 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW005546.D

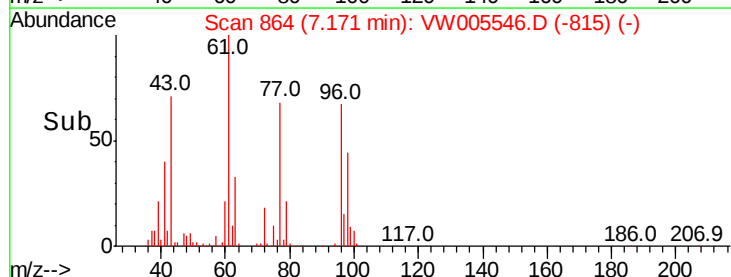
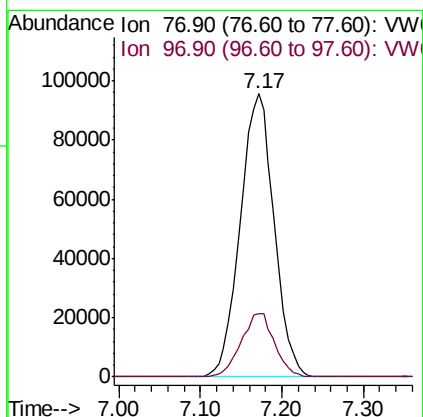
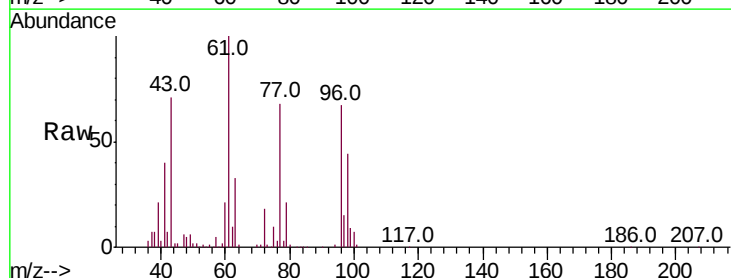
Acq: 20 Sep 2018 22:45

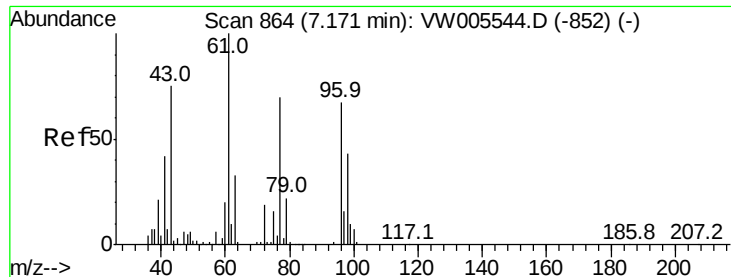
Tgt Ion: 77 Resp: 275649

Ion Ratio Lower Upper

77 100

97 22.0 11.0 33.0



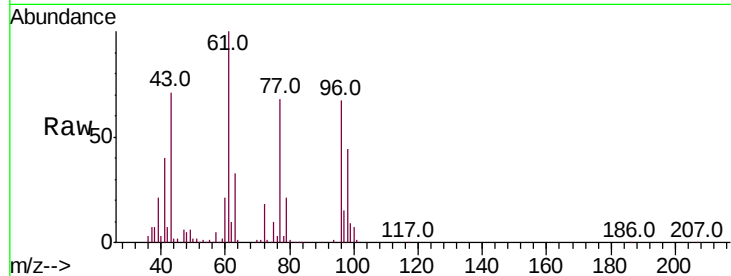


#27

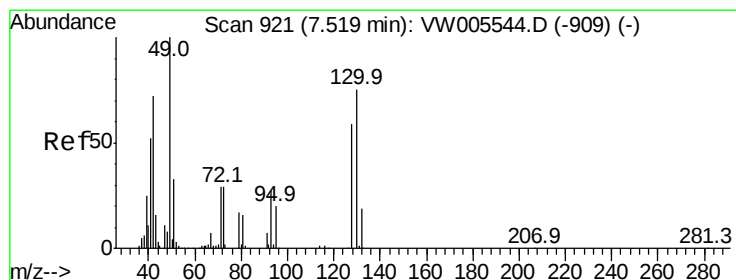
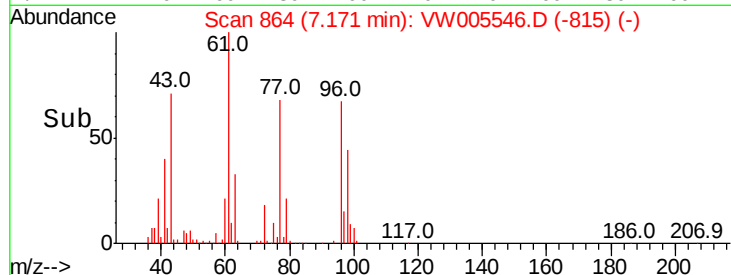
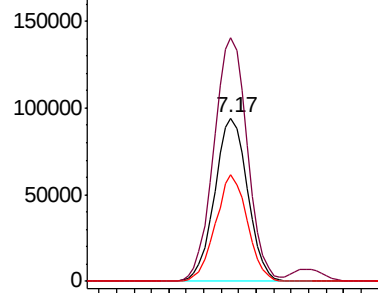
cis-1,2-Dichloroethene
 Concen: 100.994 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VW005546.D
 Acq: 20 Sep 2018 22:45

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
96	100		
61	151.4	0.0	303.4
98	63.3	0.0	127.2



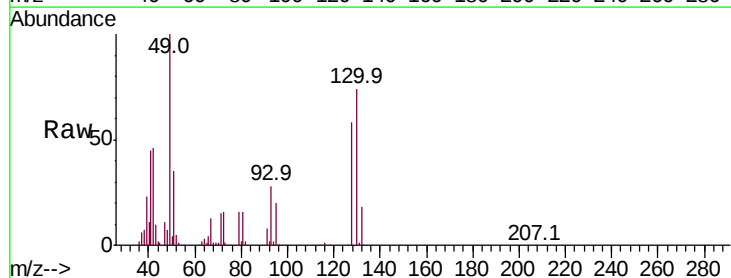
Abundance Ion 95.90 (95.60 to 96.60): VW
 Ion 60.90 (60.60 to 61.60): VW
 Ion 97.90 (97.60 to 98.60): VW



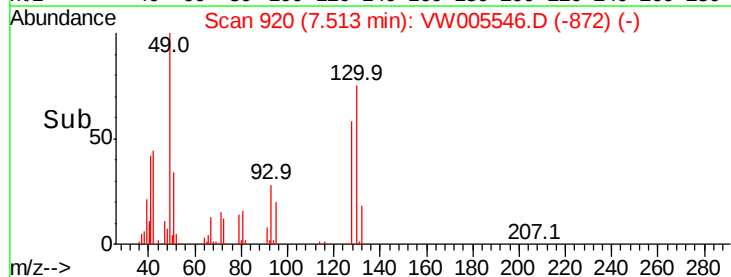
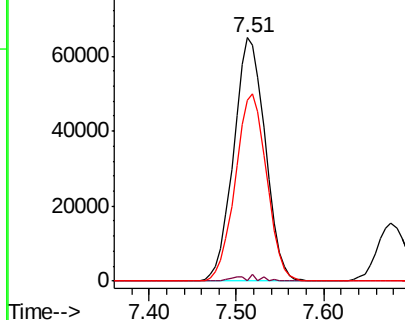
#28

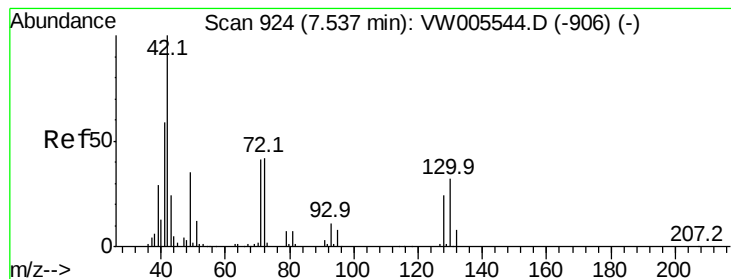
Bromochloromethane
 Concen: 100.334 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. -0.01 min
 Lab File: VW005546.D
 Acq: 20 Sep 2018 22:45

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.7	0.0	1.4
130	76.4	61.3	91.9



Abundance Ion 48.90 (48.60 to 49.60): VW
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 505.396 ug/l

RT: 7.54 min Scan# 924

Delta R.T. -0.00 min

Lab File: VW005546.D

Acq: 20 Sep 2018 22:45

Instrument :

MSVOA_W

ClientSampleId :

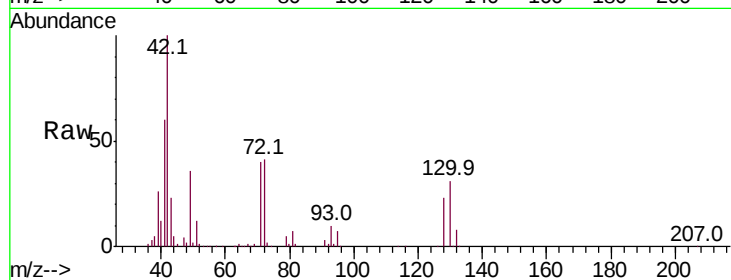
Tot Ion: 42 Resp: 194382

Ion Ratio Lower Upper

42 100

72 41.7 33.6 50.4

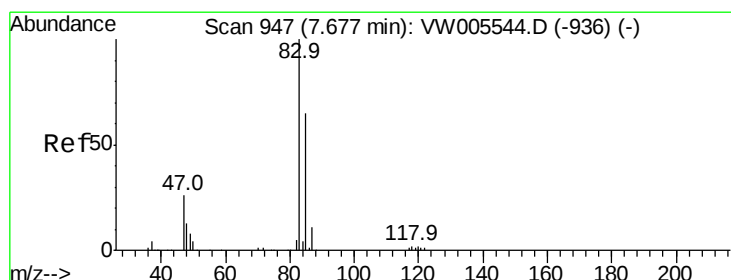
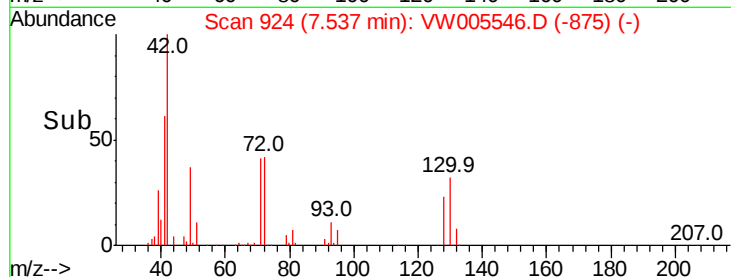
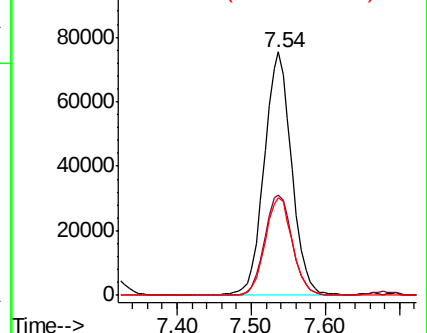
71 39.6 31.8 47.6



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: 101.064 ug/l

RT: 7.68 min Scan# 947

Delta R.T. -0.00 min

Lab File: VW005546.D

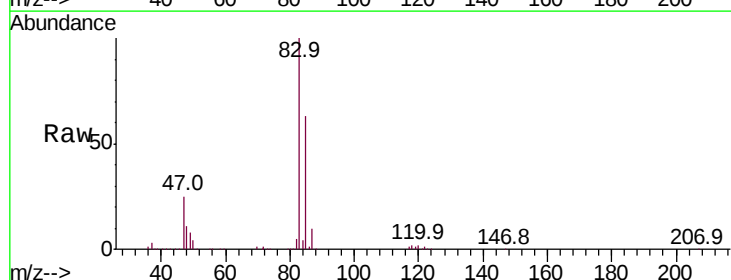
Acq: 20 Sep 2018 22:45

Tgt Ion: 83 Resp: 437388

Ion Ratio Lower Upper

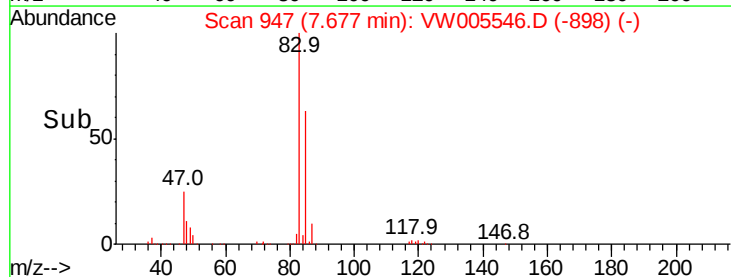
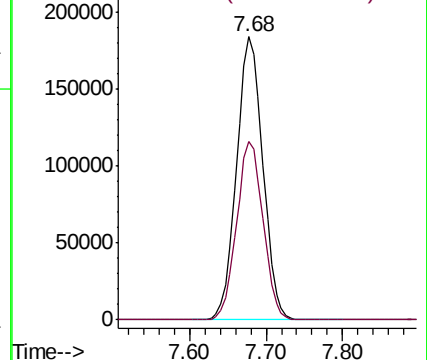
83 100

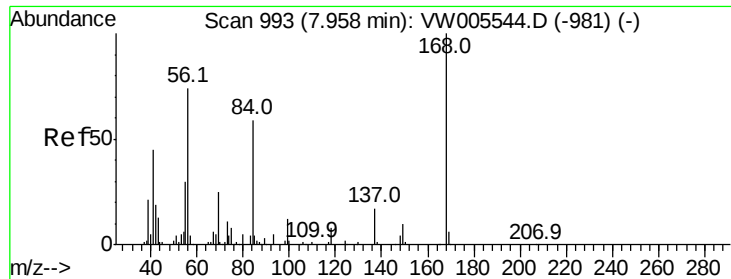
85 63.0 51.8 77.6



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

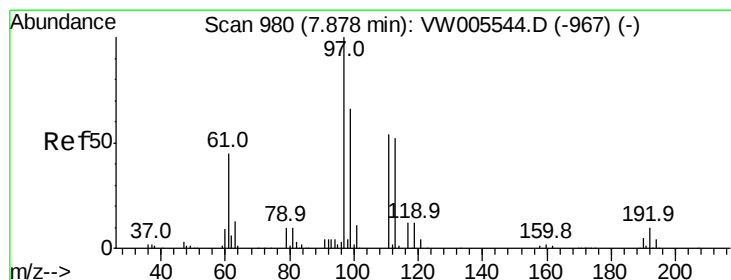
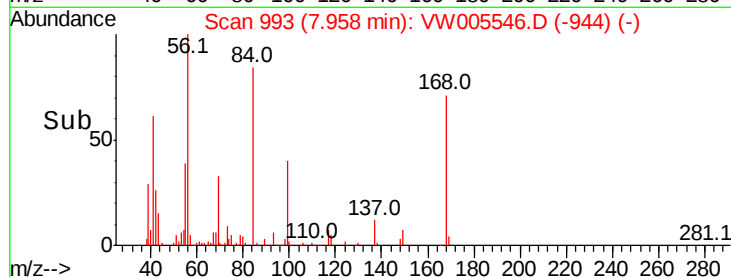
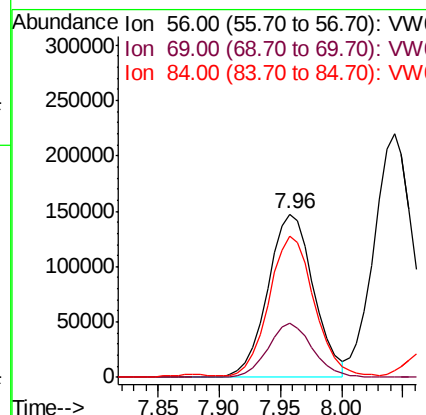
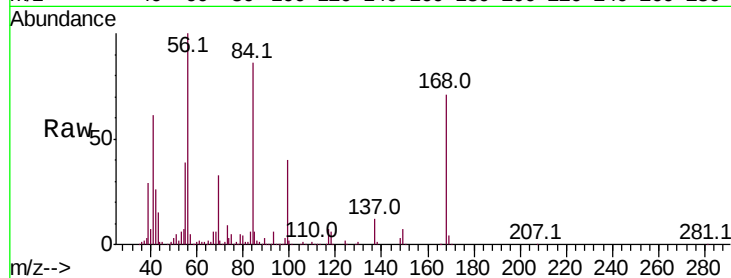




#31
Cyclohexane
Concen: 96.407 ug/l
RT: 7.96 min Scan# 993
Delta R.T. -0.00 min
Lab File: VW005546.D
Acq: 20 Sep 2018 22:45

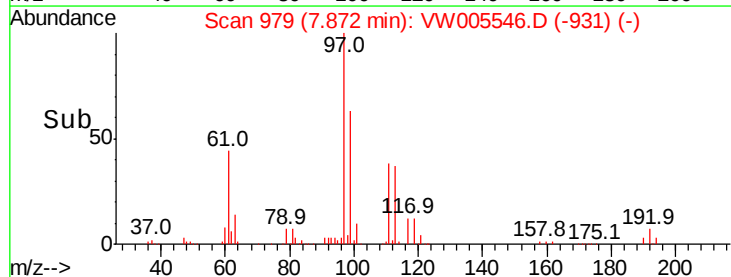
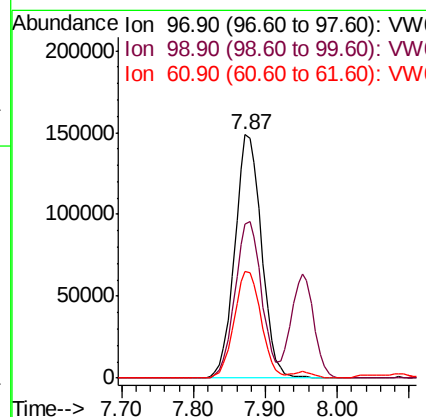
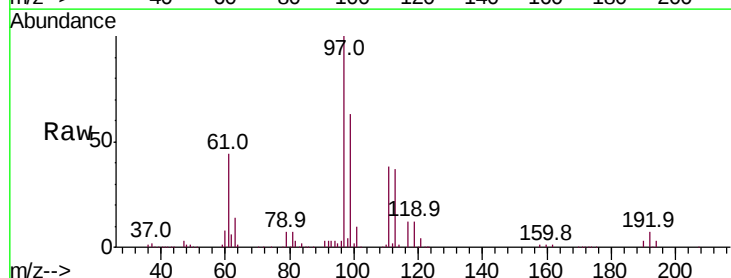
Instrument :
MSVOA_W
ClientSampled :

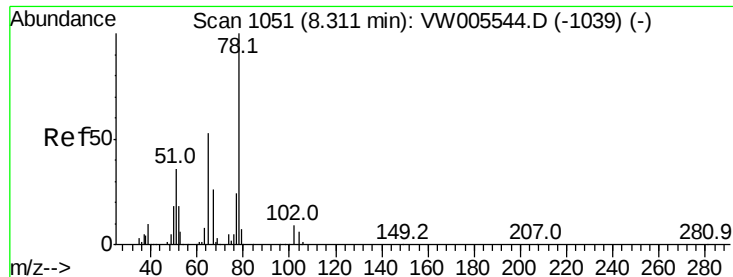
Tot Ion: 56 Resp: 383790
Ion Ratio Lower Upper
56 100
69 33.3 27.0 40.4
84 84.5 64.2 96.4



#32
1,1,1-Trichloroethane
Concen: 96.856 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.01 min
Lab File: VW005546.D
Acq: 20 Sep 2018 22:45

Tgt Ion: 97 Resp: 382865
Ion Ratio Lower Upper
97 100
99 63.8 51.0 76.6
61 44.4 36.2 54.2





#33

1,2-Dichloroethane-d4

Concen: 102.975 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VW005546.D

Acq: 20 Sep 2018 22:45

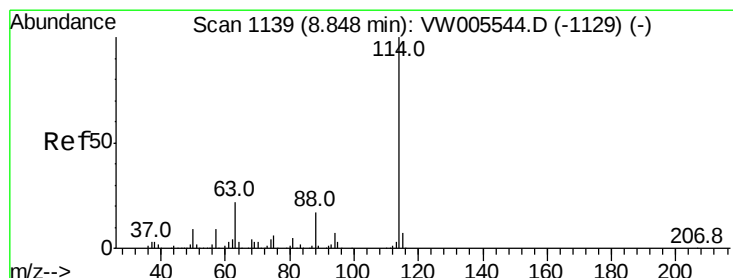
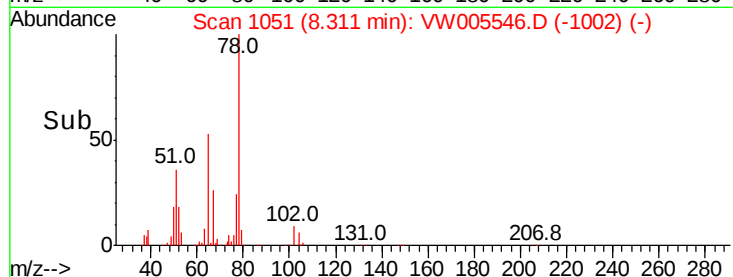
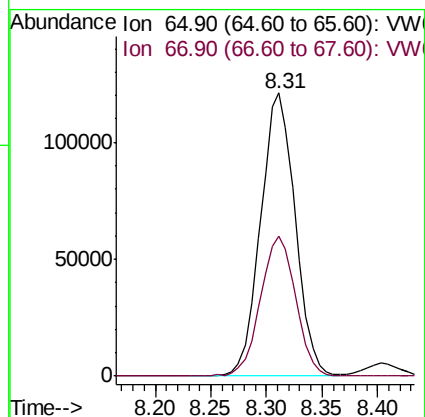
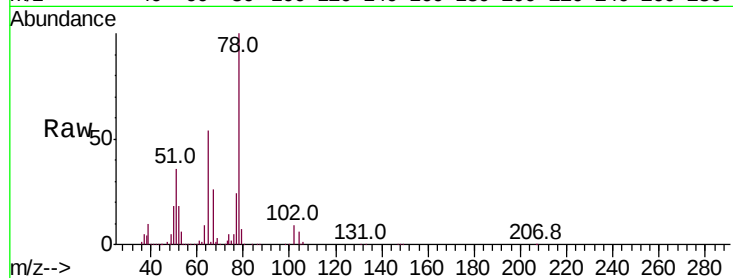
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 65 Resp: 261472

Ion Ratio Lower Upper

65 100

67 50.5 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: VW005546.D

Acq: 20 Sep 2018 22:45

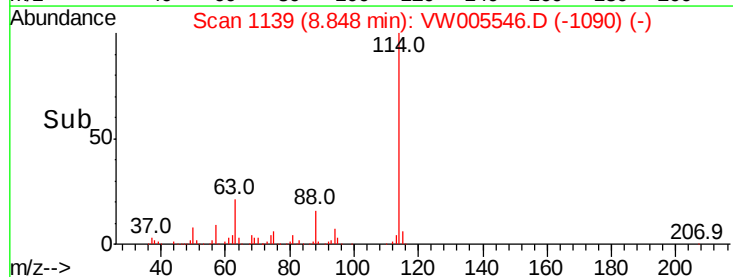
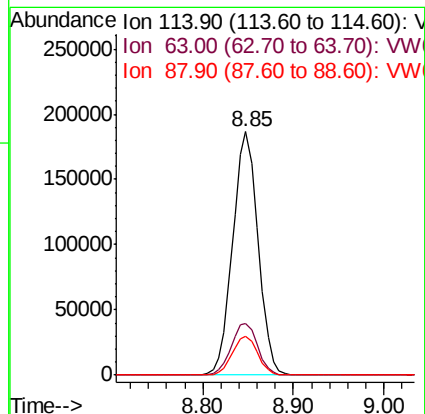
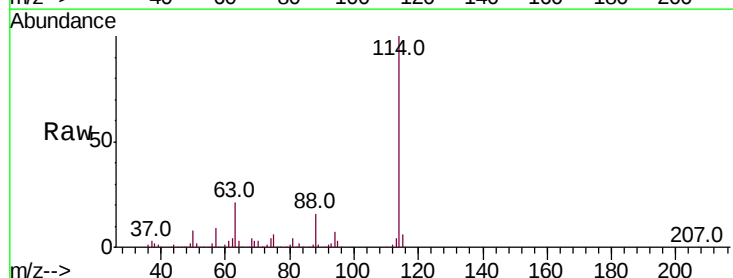
Tgt Ion:114 Resp: 360754

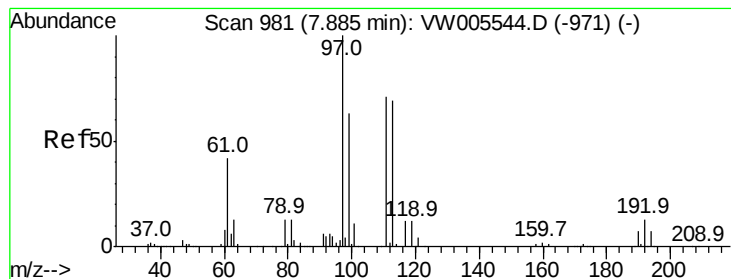
Ion Ratio Lower Upper

114 100

63 21.2 0.0 43.0

88 15.7 0.0 33.0





#35

Dibromofluoromethane

Concen: 104.245 ug/l

RT: 7.89 min Scan# 982

Delta R.T. 0.01 min

Lab File: VW005546.D

Acq: 20 Sep 2018 22:45

Instrument :

MSVOA_W

ClientSampleId :

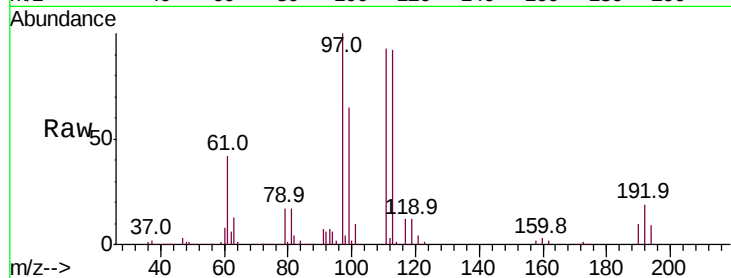
Tot Ion:113 Resp: 217622

Ion Ratio Lower Upper

113 100

111 103.9 82.6 123.8

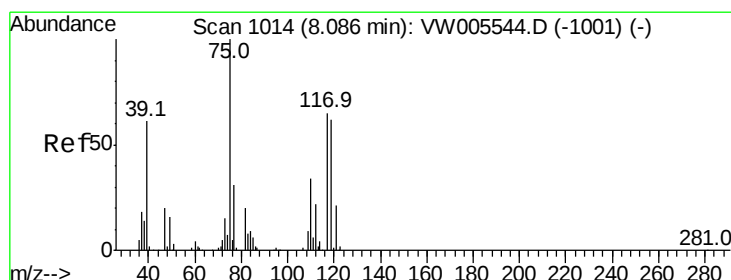
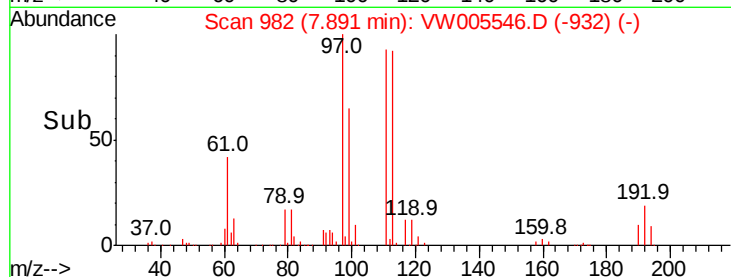
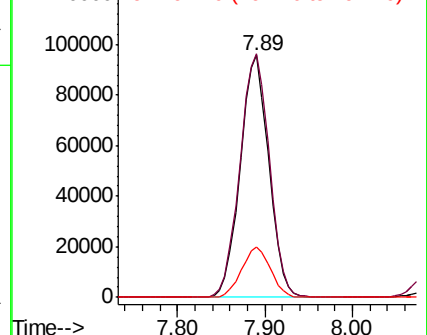
192 21.0 17.0 25.4



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: 99.154 ug/l

RT: 8.09 min Scan# 1014

Delta R.T. -0.00 min

Lab File: VW005546.D

Acq: 20 Sep 2018 22:45

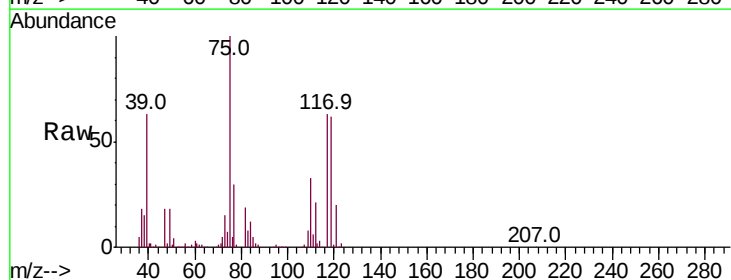
Tgt Ion: 75 Resp: 344107

Ion Ratio Lower Upper

75 100

110 33.9 17.0 50.9

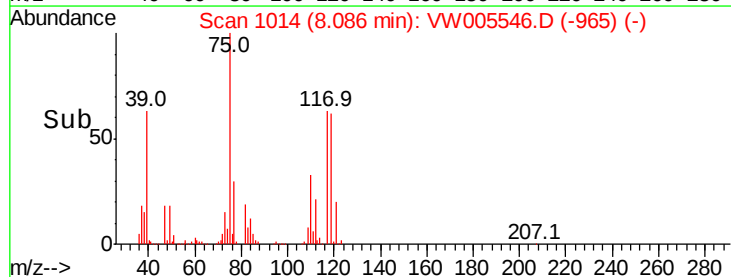
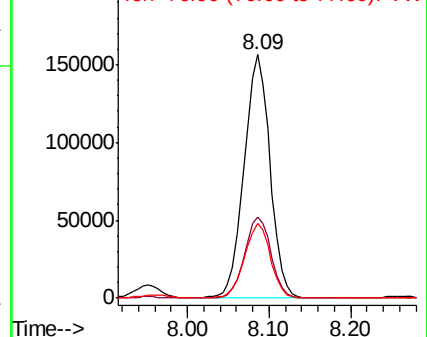
77 30.8 24.8 37.2

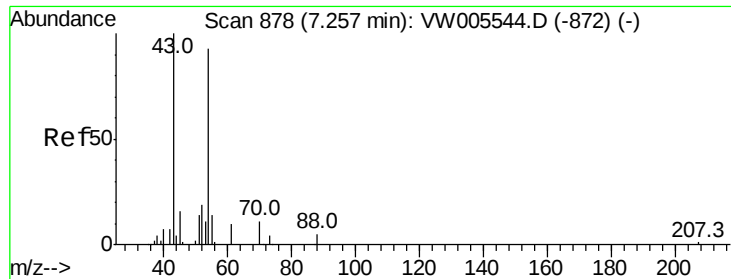


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

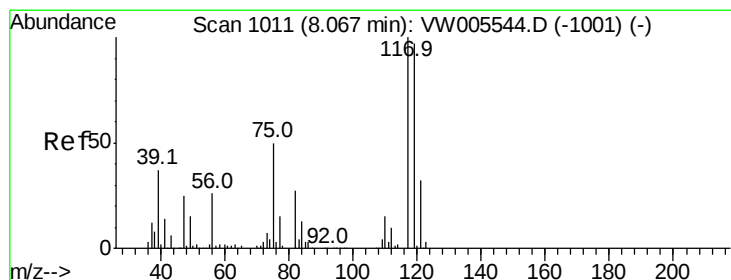
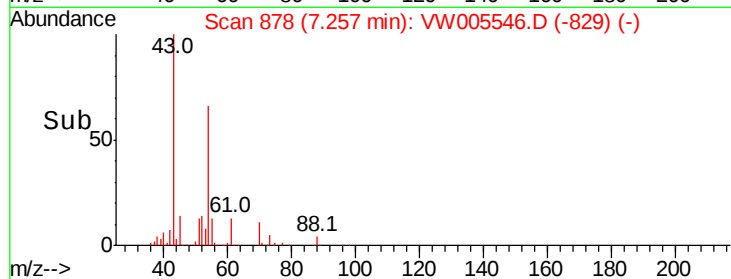
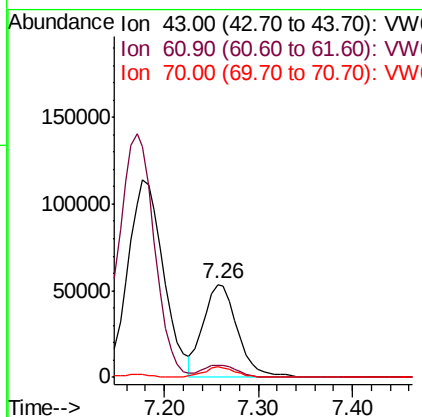
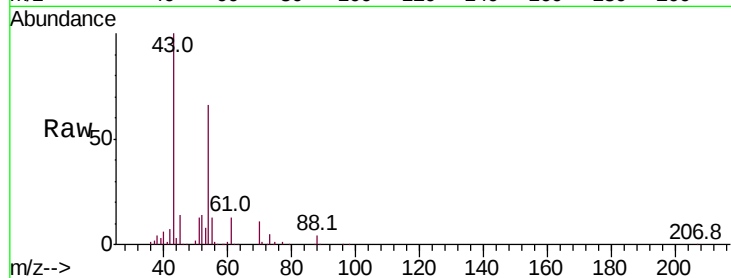




#37
Ethyl Acetate
Concen: 93.994 ug/l
RT: 7.26 min Scan# 878
Delta R.T. -0.00 min
Lab File: VW005546.D
Acq: 20 Sep 2018 22:45

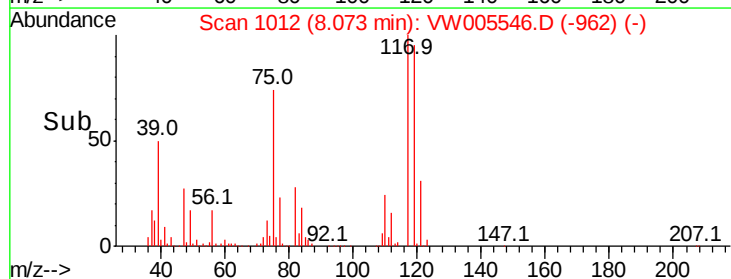
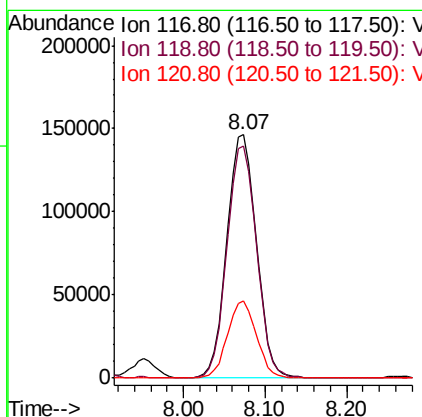
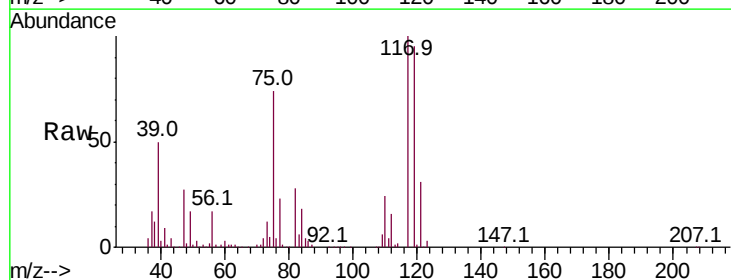
Instrument :
MSVOA_W
ClientSampleId :

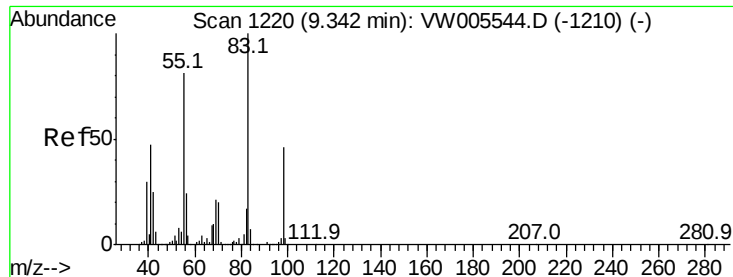
Tot Ion: 43 Resp: 133697
Ion Ratio Lower Upper
43 100
61 14.1 10.4 15.6
70 10.1 8.2 12.2



#38
Carbon Tetrachloride
Concen: 100.708 ug/l
RT: 8.07 min Scan# 1012
Delta R.T. 0.01 min
Lab File: VW005546.D
Acq: 20 Sep 2018 22:45

Tgt Ion: 117 Resp: 366567
Ion Ratio Lower Upper
117 100
119 95.4 77.6 116.4
121 31.5 25.7 38.5

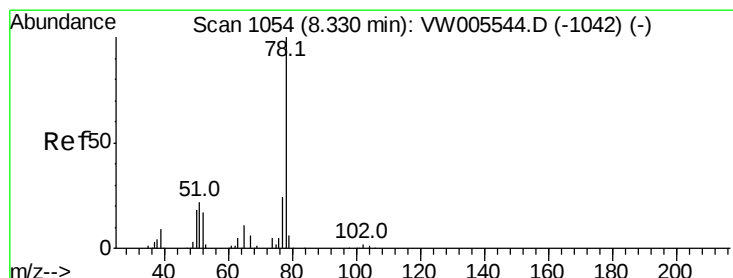
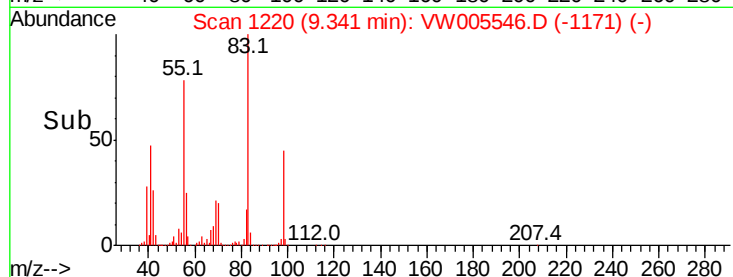
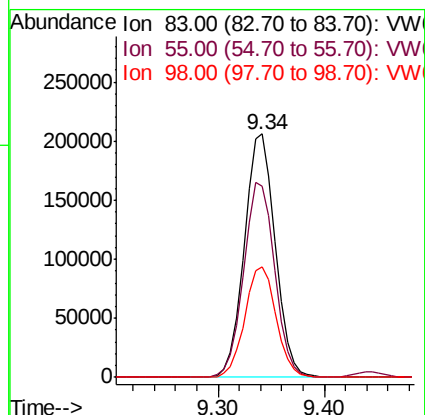
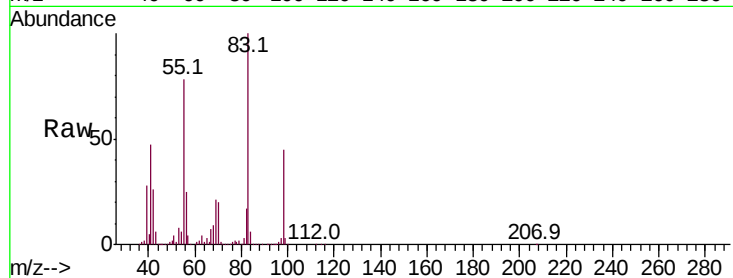




#39
Methvlcvclohexane
Concen: 104.574 ug/l
RT: 9.34 min Scan# 1220
Delta R.T. -0.00 min
Lab File: VW005546.D
Acq: 20 Sep 2018 22:45

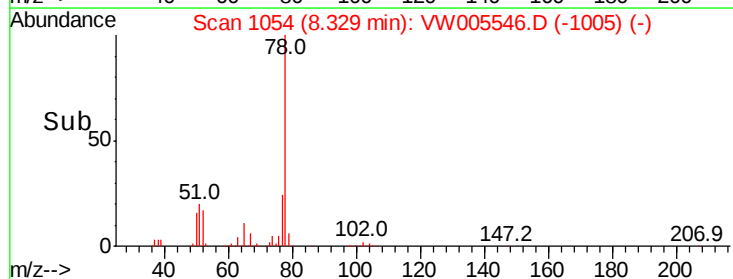
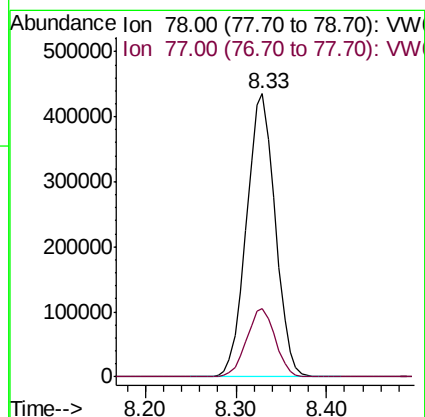
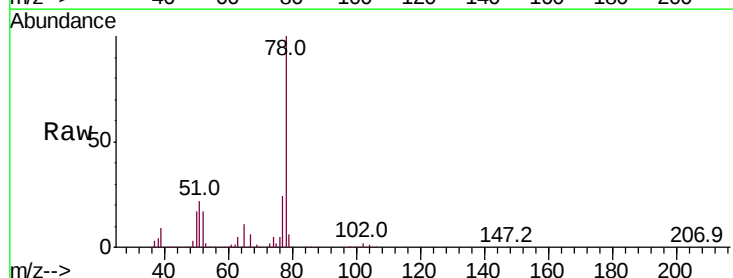
Instrument :
MSVOA_W
ClientSampled :

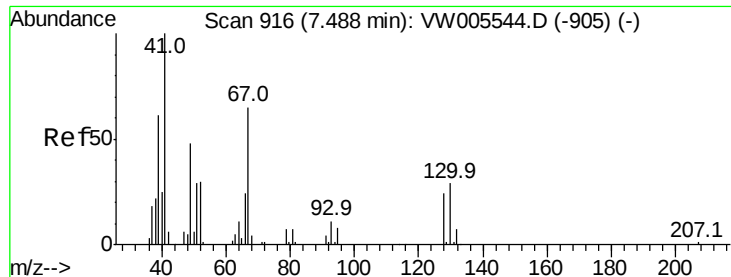
Tot Ion	83	Resp	420789
Ion	Ratio	Lower	Upper
83	100		
55	78.3	64.6	97.0
98	45.4	37.0	55.6



#40
Benzene
Concen: 95.302 ug/l
RT: 8.33 min Scan# 1054
Delta R.T. -0.00 min
Lab File: VW005546.D
Acq: 20 Sep 2018 22:45

Tgt Ion	78	Resp	952769
Ion	Ratio	Lower	Upper
78	100		
77	24.4	19.0	28.4

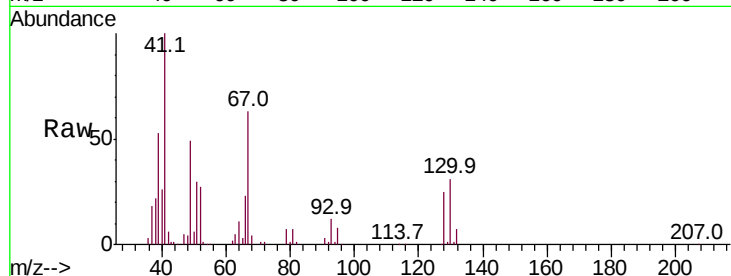




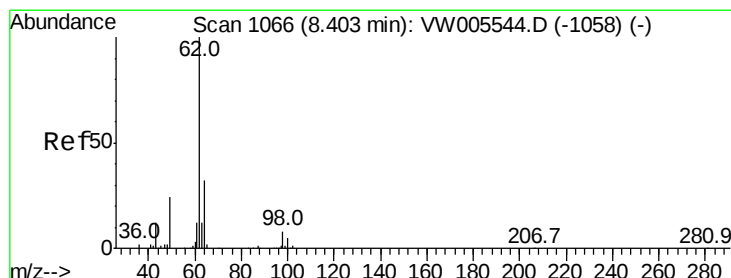
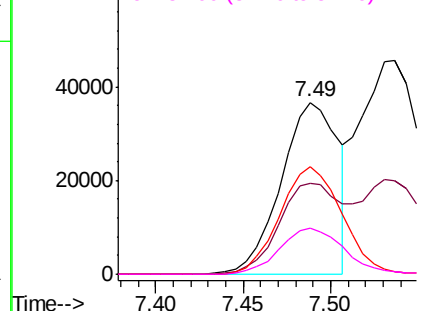
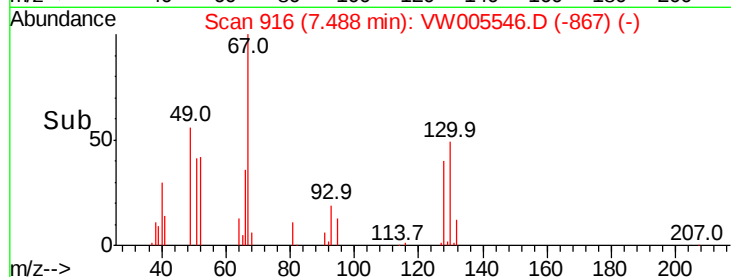
#41
Methacrylonitrile
Concen: 98.103 ug/l
RT: 7.49 min Scan# 916
Delta R.T. -0.00 min
Lab File: VW005546.D
Acq: 20 Sep 2018 22:45

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:	41	Resp:	83586
Ion	Ratio	Lower	Upper
41	100		
39	61.9	45.4	68.2
67	68.5	55.2	82.8
52	30.2	25.3	37.9

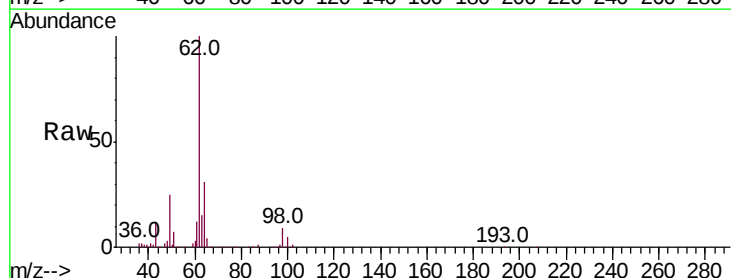


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

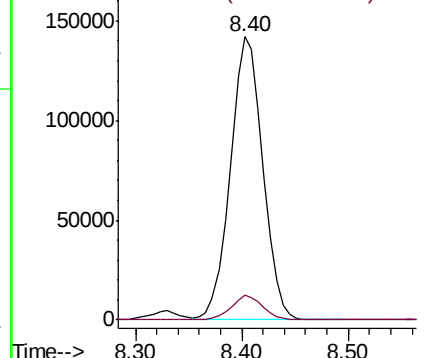
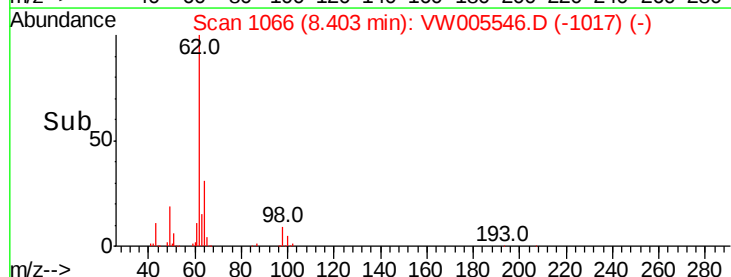


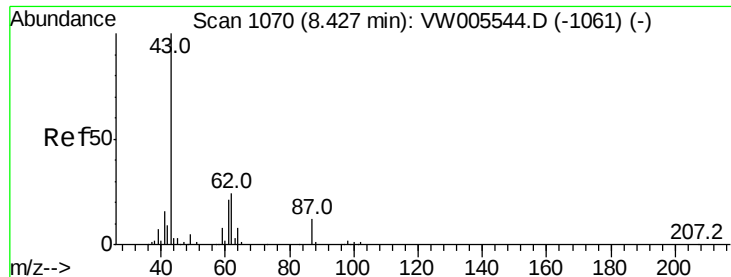
#42
1,2-Dichloroethane
Concen: 95.711 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW005546.D
Acq: 20 Sep 2018 22:45

Tgt Ion:	62	Resp:	302337
Ion	Ratio	Lower	Upper
62	100		
98	8.3	0.0	15.6



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





#43

Isopropyl Acetate

Concen: 100.462 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW005546.D

Acq: 20 Sep 2018 22:45

Instrument :

MSVOA_W

ClientSampleId :

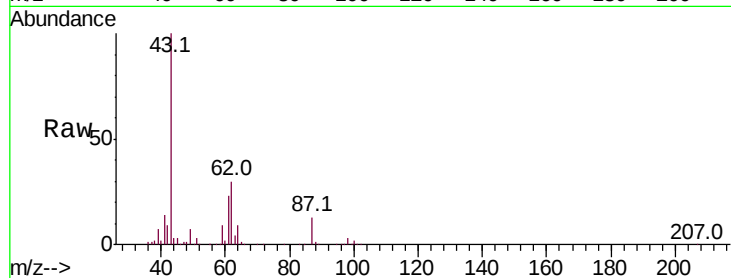
Tot Ion: 43 Resp: 277198

Ion Ratio Lower Upper

43 100

61 29.9 24.1 36.1

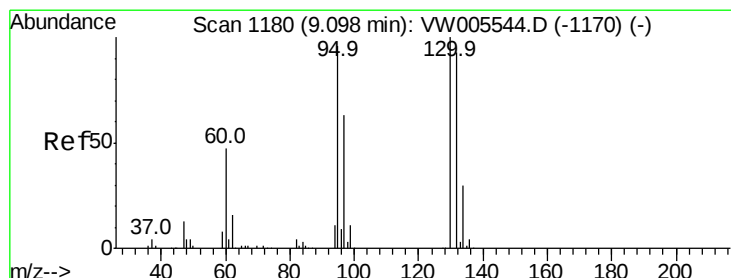
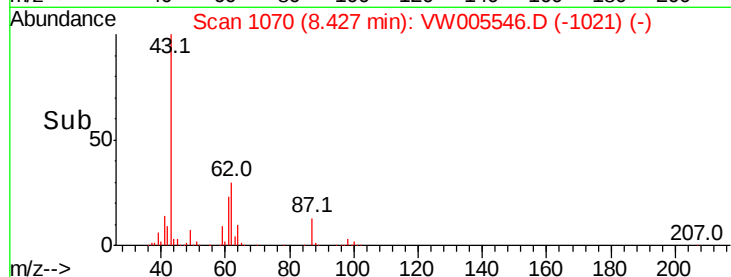
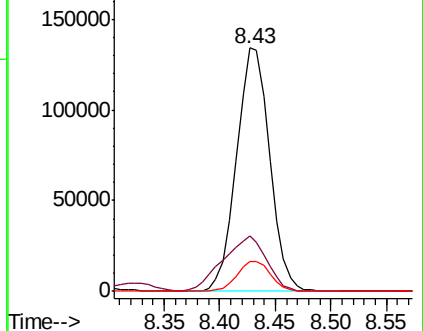
87 12.7 9.8 14.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 95.918 ug/l

RT: 9.10 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VW005546.D

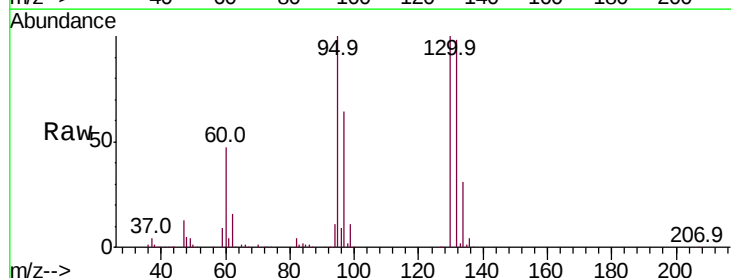
Acq: 20 Sep 2018 22:45

Tgt Ion:130 Resp: 246882

Ion Ratio Lower Upper

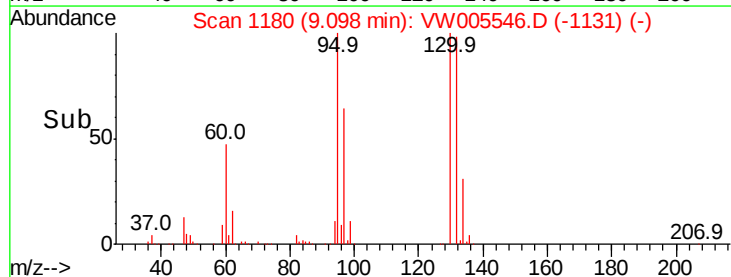
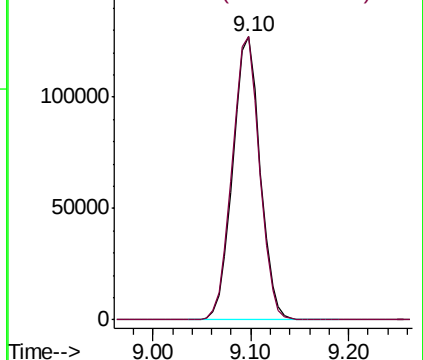
130 100

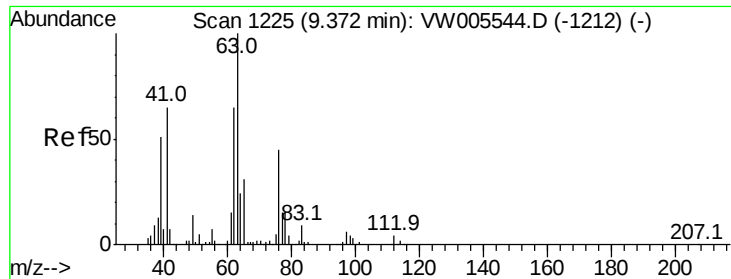
95 100.1 0.0 191.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW

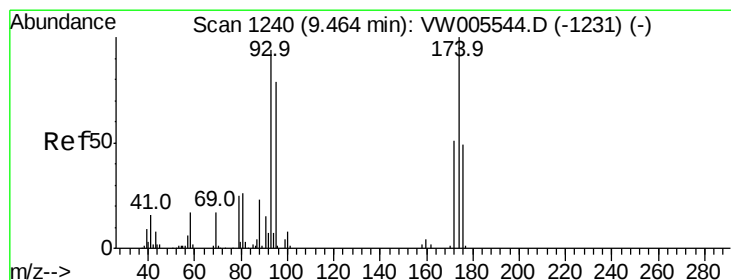
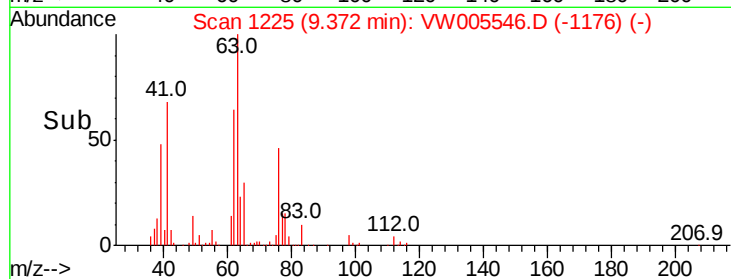
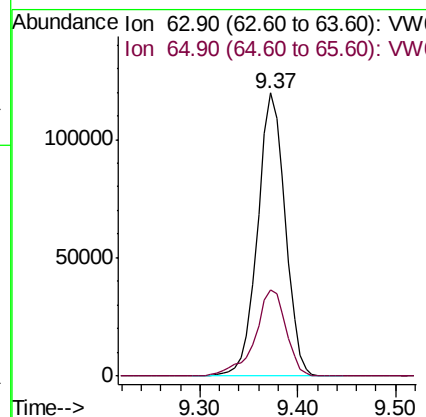
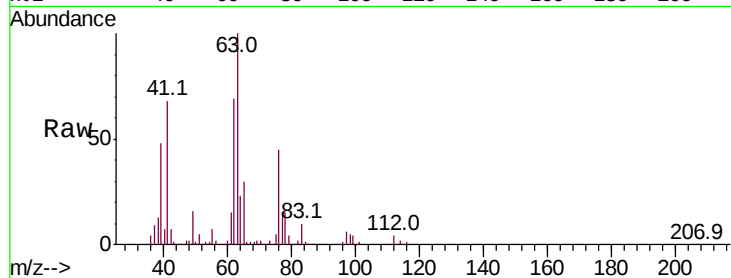




#45
 1,2-Dichloropropane
 Concen: 97.245 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: VW005546.D
 Acq: 20 Sep 2018 22:45

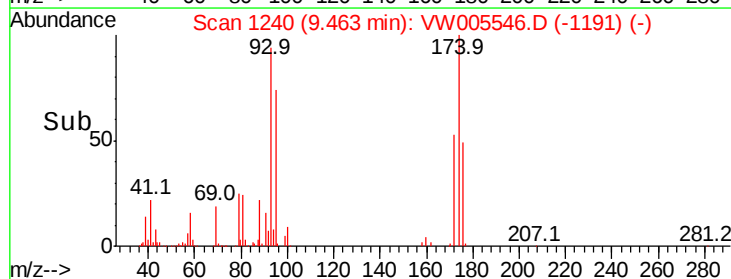
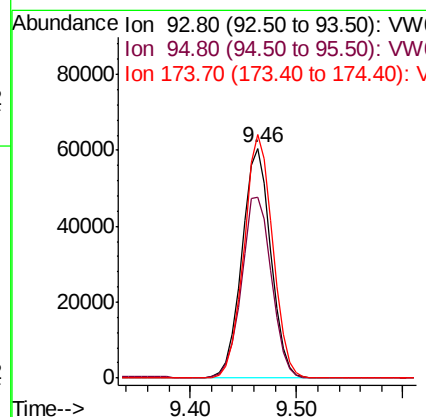
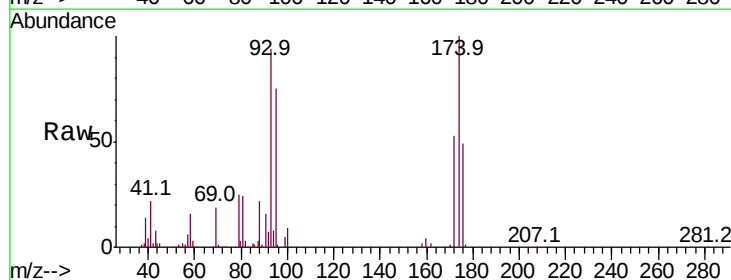
Instrument :
 MSVOA_W
 ClientSampled :

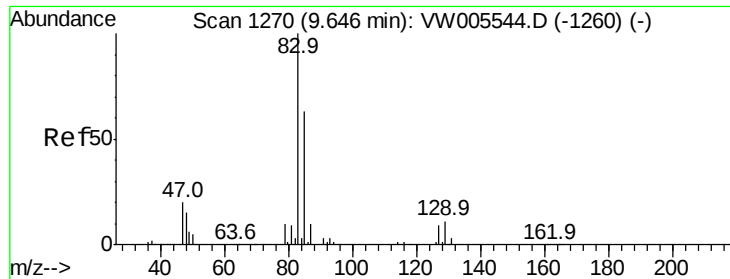
Tot Ion: 63 Resp: 234065
 Ion Ratio Lower Upper
 63 100
 65 30.3 24.7 37.1



#46
 Dibromomethane
 Concen: 96.939 ug/l
 RT: 9.46 min Scan# 1240
 Delta R.T. -0.00 min
 Lab File: VW005546.D
 Acq: 20 Sep 2018 22:45

Tgt Ion: 93 Resp: 115305
 Ion Ratio Lower Upper
 93 100
 95 81.9 65.8 98.8
 174 105.7 84.0 126.0





#47

Bromodichloromethane

Concen: 100.317 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW005546.D

Acq: 20 Sep 2018 22:45

Instrument :

MSVOA_W

ClientSampled :

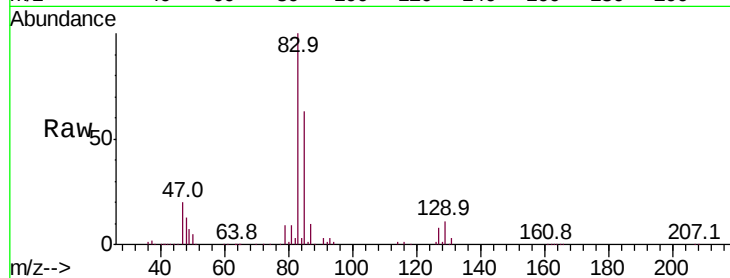
Tot Ion: 83 Resp: 322339

Ion Ratio Lower Upper

83 100

85 63.1 50.5 75.7

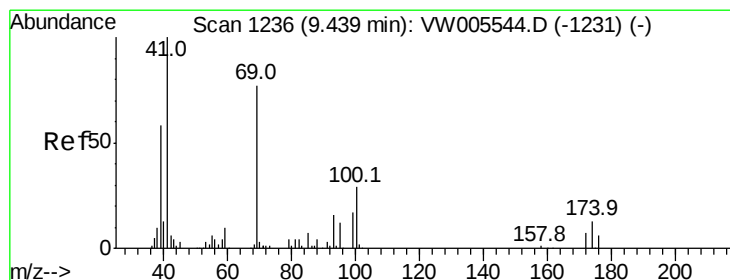
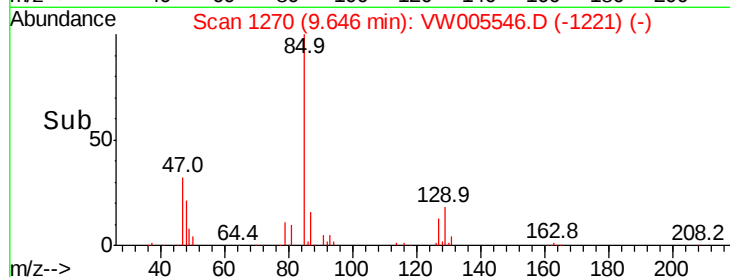
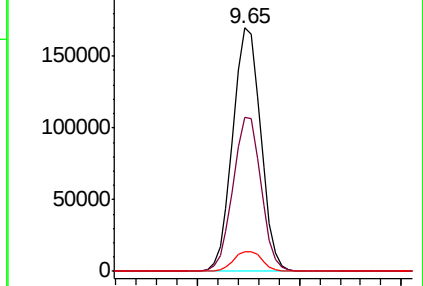
127 8.2 7.0 10.6



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): VW



#48

Methyl methacrylate

Concen: 102.955 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. -0.00 min

Lab File: VW005546.D

Acq: 20 Sep 2018 22:45

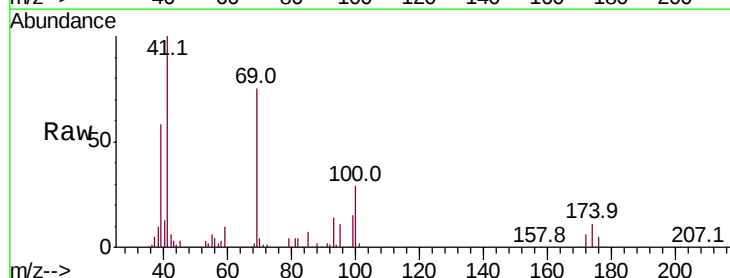
Tgt Ion: 41 Resp: 140515

Ion Ratio Lower Upper

41 100

69 80.2 64.7 97.1

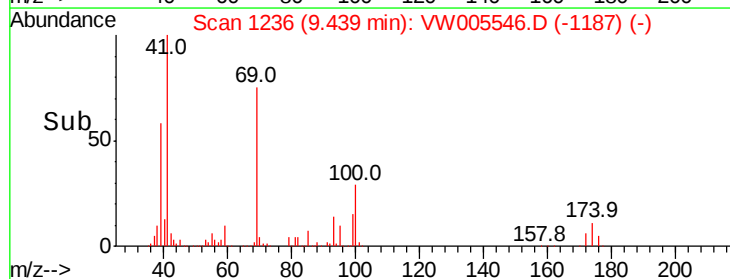
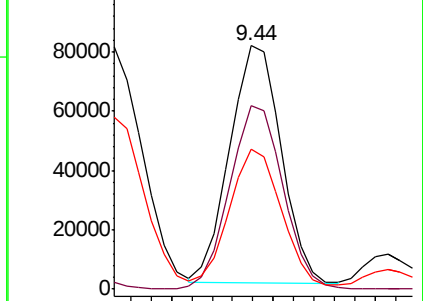
39 56.9 50.5 75.7

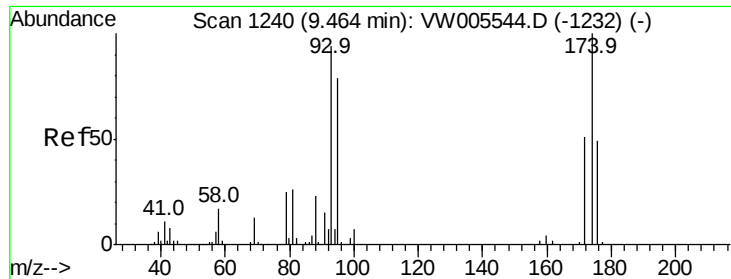


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW

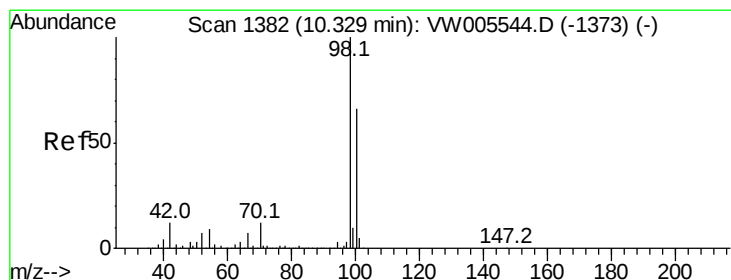
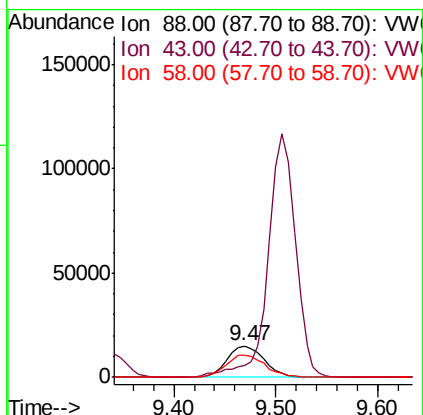
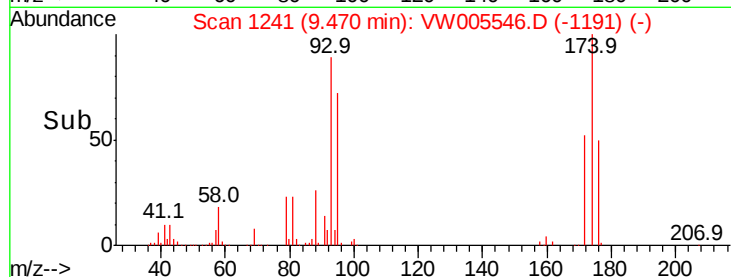
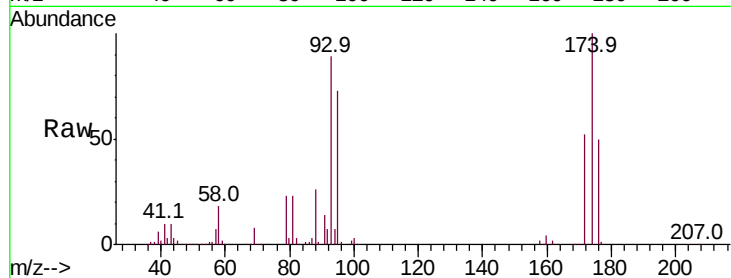




#49
1,4-Dioxane
Concen: 1962.352 ug/l
RT: 9.47 min Scan# 1241
Delta R.T. 0.01 min
Lab File: VW005546.D
Acq: 20 Sep 2018 22:45

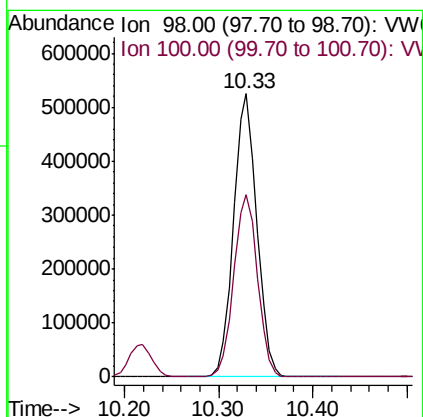
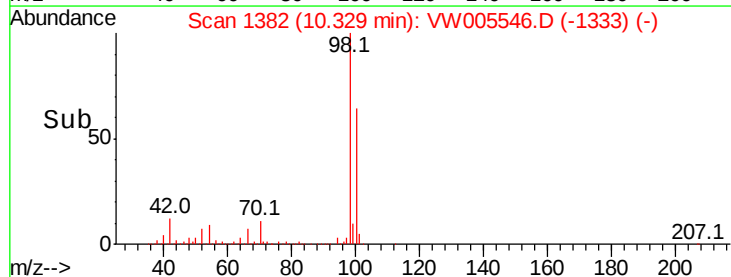
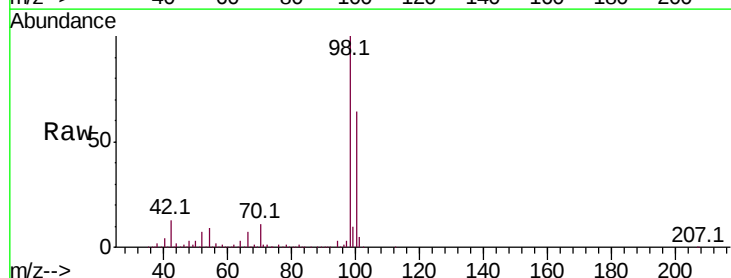
Instrument :
MSVOA_W
ClientSampled :

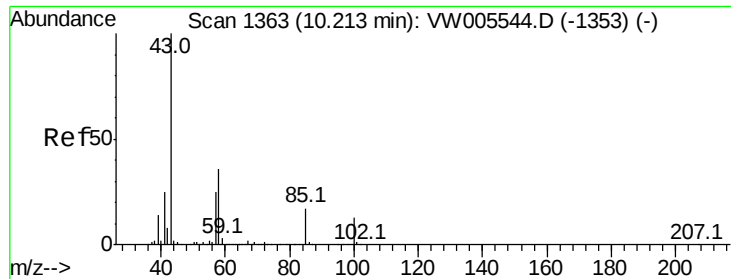
Tot Ion: 88 Resp: 37945
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 76.9 61.2 91.8



#50
Toluene-d8
Concen: 96.170 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VW005546.D
Acq: 20 Sep 2018 22:45

Tgt Ion: 98 Resp: 895852
Ion Ratio Lower Upper
98 100
100 65.7 51.6 77.4





#51

4-Methyl-2-Pentanone

Concen: 505.172 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW005546.D

Acq: 20 Sep 2018 22:45

Instrument :

MSVOA_W

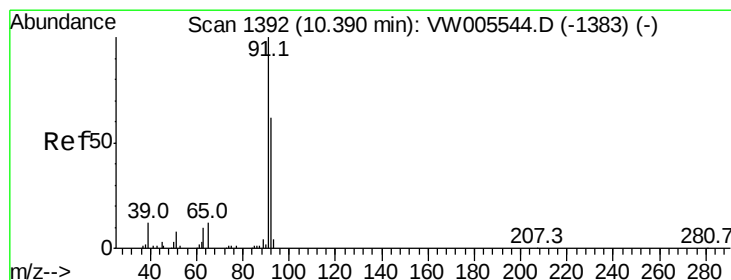
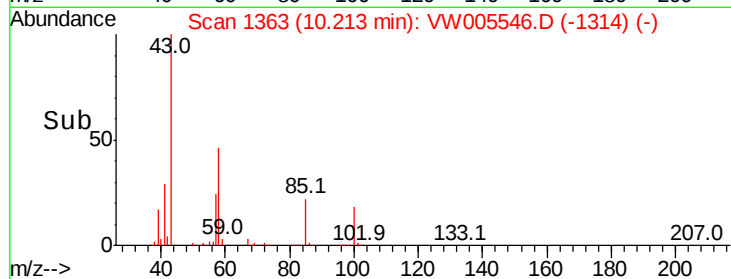
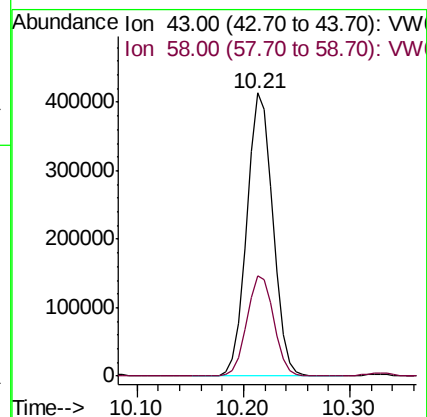
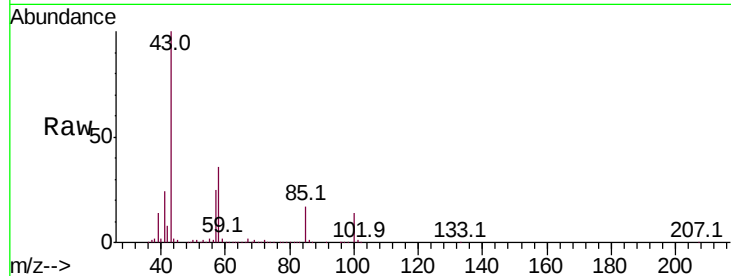
ClientSampleId :

Tot Ion: 43 Resp: 712930

Ion Ratio Lower Upper

43 100

58 36.5 30.0 45.0



#52

Toluene

Concen: 91.536 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW005546.D

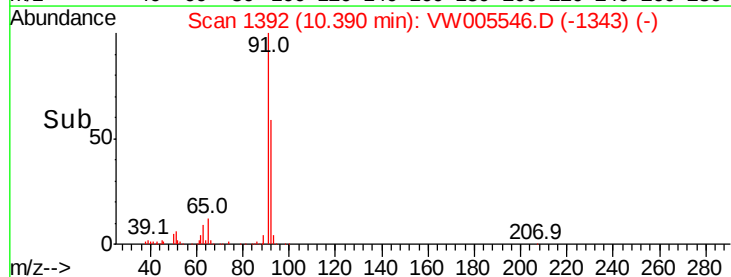
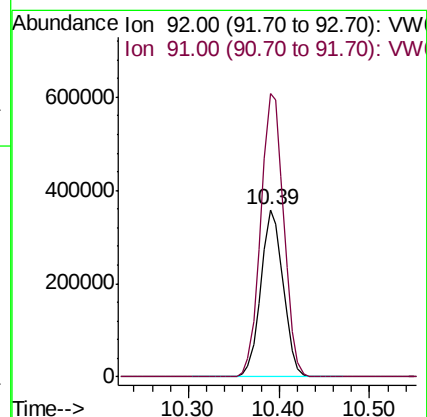
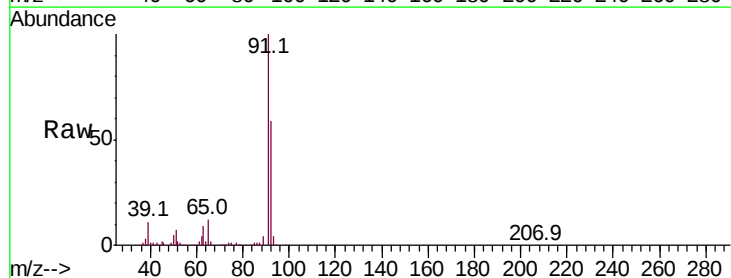
Acq: 20 Sep 2018 22:45

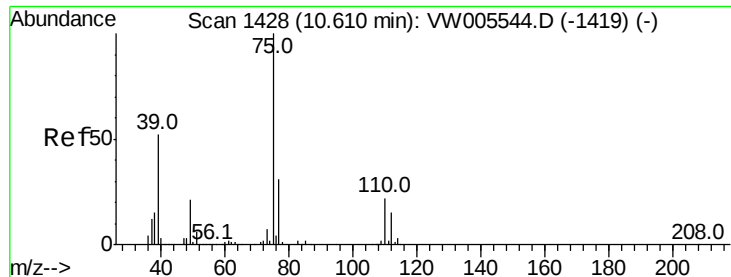
Tgt Ion: 92 Resp: 610612

Ion Ratio Lower Upper

92 100

91 174.4 137.1 205.7





#53

t-1,3-Dichloropropene

Concen: 103.662 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW005546.D

Acq: 20 Sep 2018 22:45

Instrument :

MSVOA_W

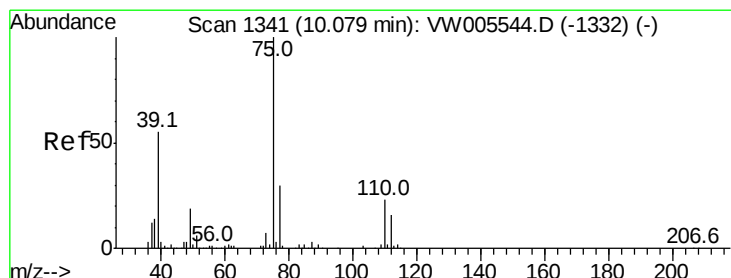
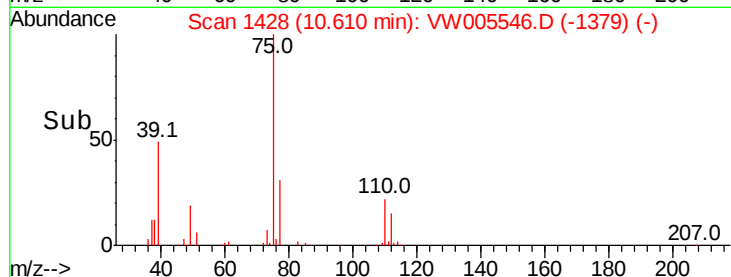
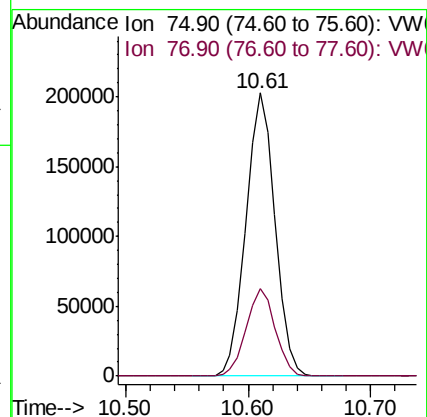
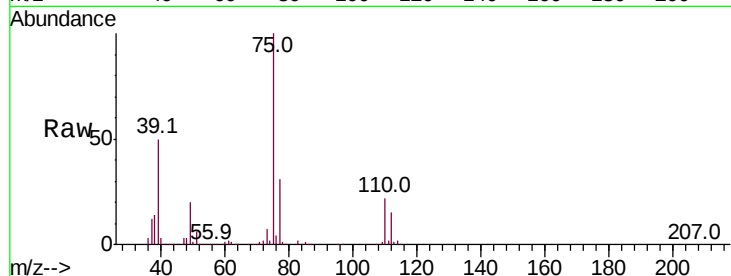
ClientSampled :

Tot Ion: 75 Resp: 333526

Ion Ratio Lower Upper

75 100

77 31.1 24.6 37.0



#54

cis-1,3-Dichloropropene

Concen: 101.993 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.01 min

Lab File: VW005546.D

Acq: 20 Sep 2018 22:45

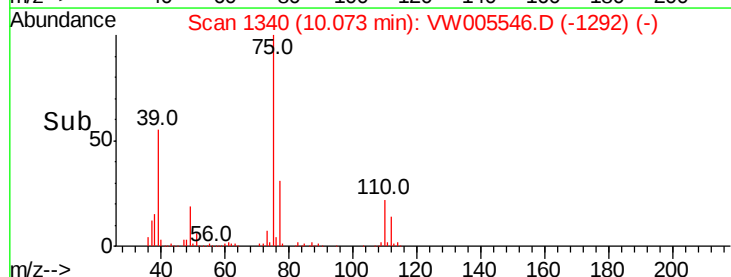
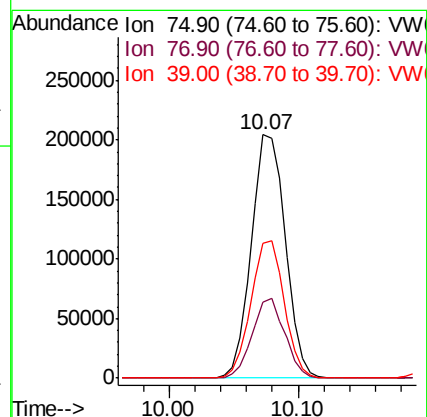
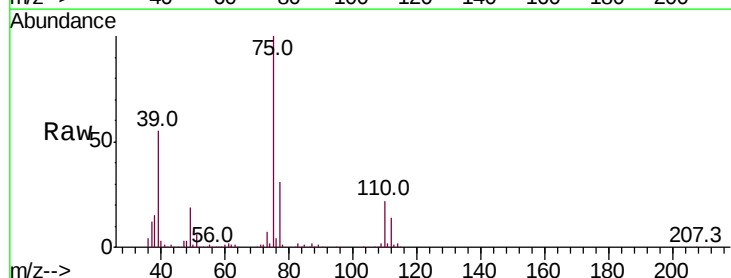
Tgt Ion: 75 Resp: 371370

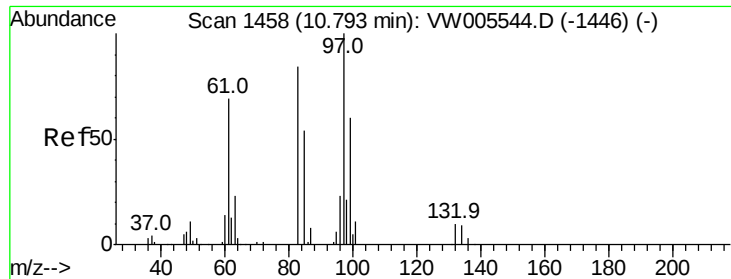
Ion Ratio Lower Upper

75 100

77 31.1 24.3 36.5

39 55.4 43.7 65.5

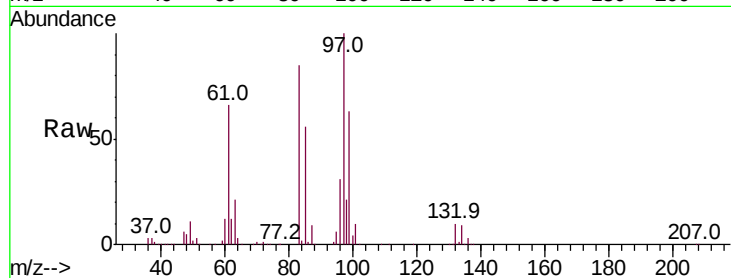




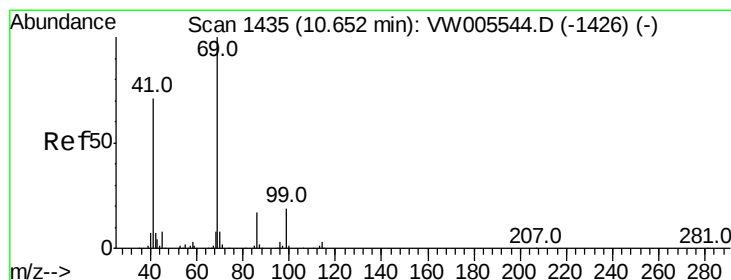
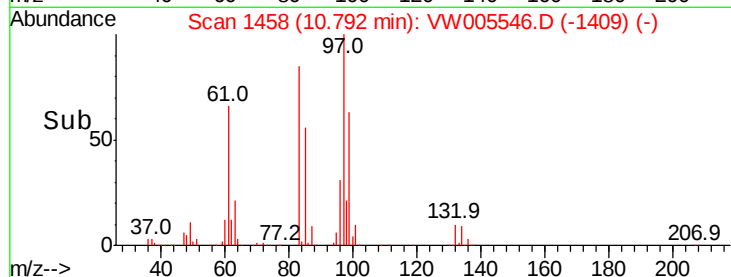
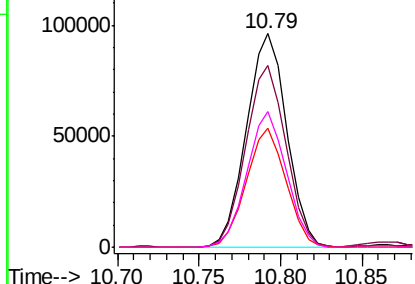
#55
 1,1,2-Trichloroethane
 Concen: 93.953 ug/l
 RT: 10.79 min Scan# 1458
 Delta R.T. -0.00 min
 Lab File: VW005546.D
 Acq: 20 Sep 2018 22:45

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion:	97	Resp:	165039
Ion	Ratio	Lower	Upper
97	100		
83	84.8	67.4	101.2
85	55.7	43.3	64.9
99	63.5	48.0	72.0

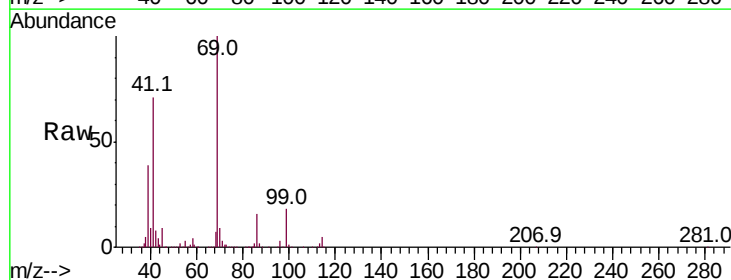


Abundance Ion 96.90 (96.60 to 97.60): VW
 150000 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

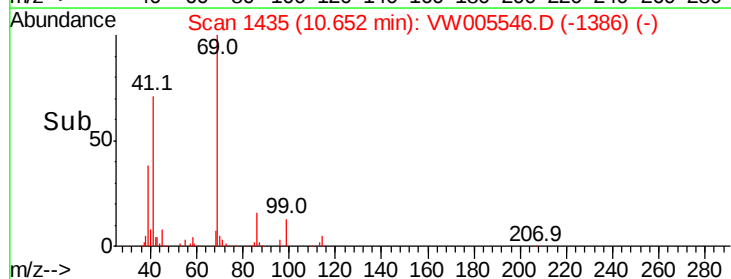
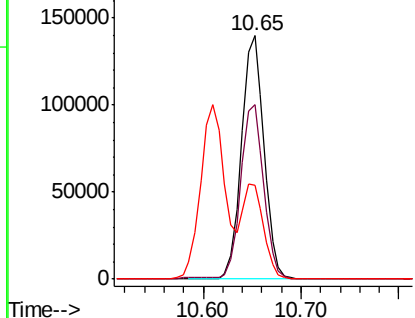


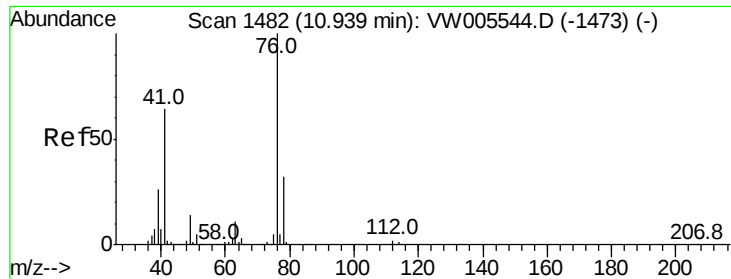
#56
 Ethyl methacrylate
 Concen: 101.115 ug/l
 RT: 10.65 min Scan# 1435
 Delta R.T. -0.00 min
 Lab File: VW005546.D
 Acq: 20 Sep 2018 22:45

Tgt Ion:	69	Resp:	222347
Ion	Ratio	Lower	Upper
69	100		
41	72.6	57.3	85.9
39	36.2	29.2	43.8



Abundance Ion 69.00 (68.70 to 69.70): VW
 150000 Ion 41.00 (40.70 to 41.70): VW
 Ion 39.00 (38.70 to 39.70): VW





#57

1,3-Dichloropropane

Concen: 97.458 ug/l

RT: 10.94 min Scan# 1482

Delta R.T. -0.00 min

Lab File: VW005546.D

Acq: 20 Sep 2018 22:45

Instrument :

MSVOA_W

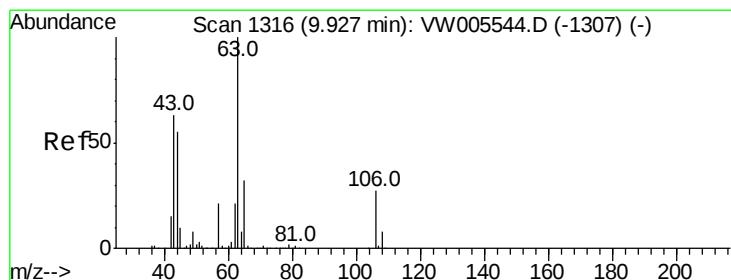
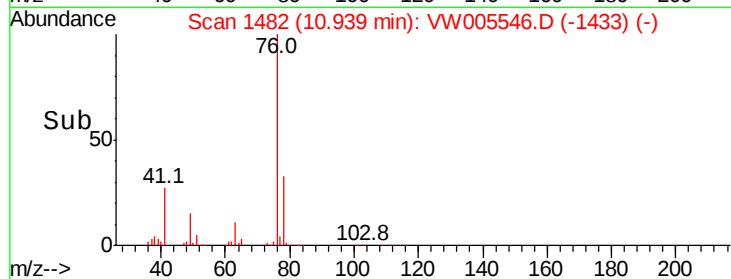
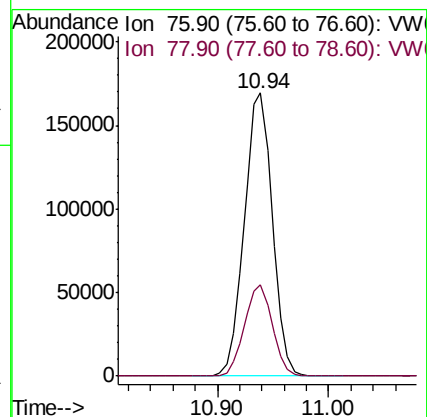
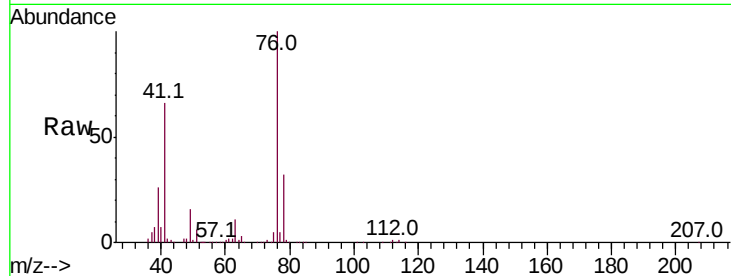
ClientSampleId :

Tot Ion: 76 Resp: 294910

Ion Ratio Lower Upper

76 100

78 32.2 25.6 38.4



#58

2-Chloroethyl Vinyl ether

Concen: 518.655 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VW005546.D

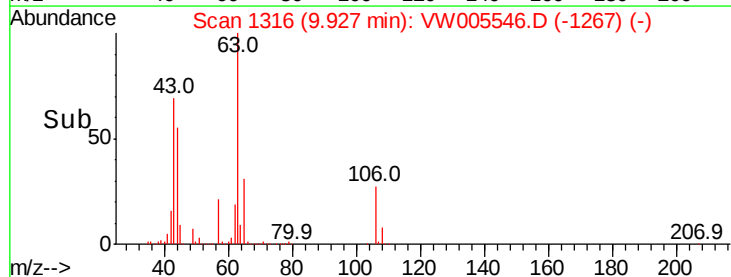
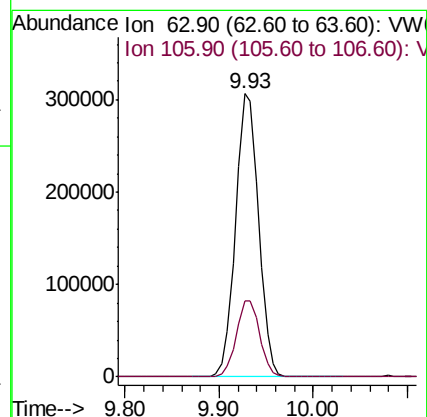
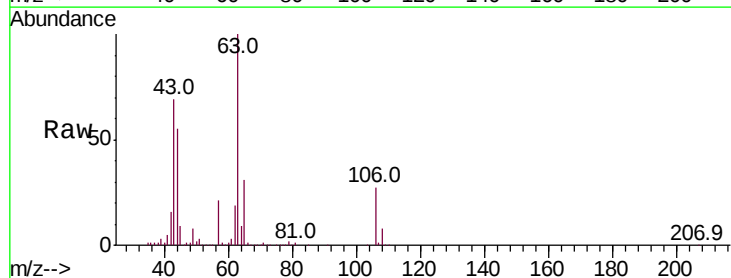
Acq: 20 Sep 2018 22:45

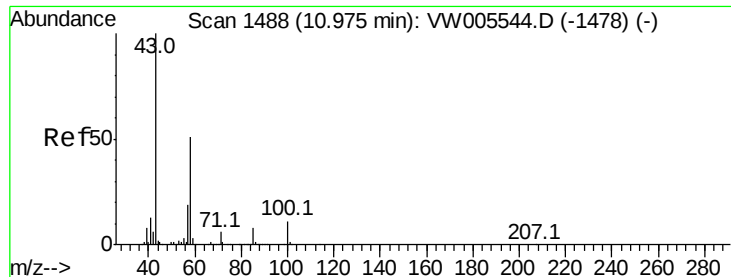
Tgt Ion: 63 Resp: 518693

Ion Ratio Lower Upper

63 100

106 27.3 21.6 32.4

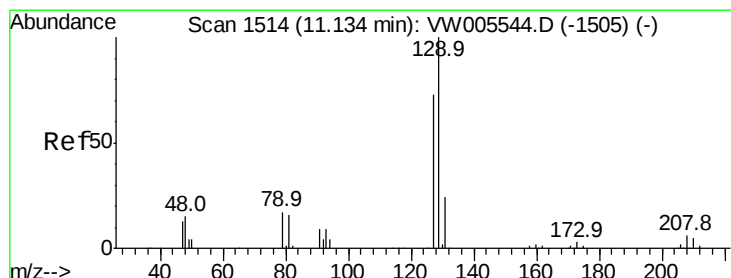
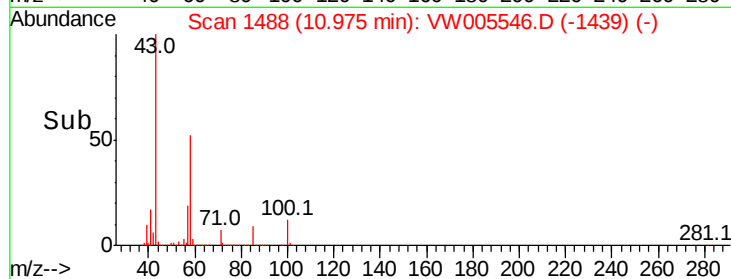
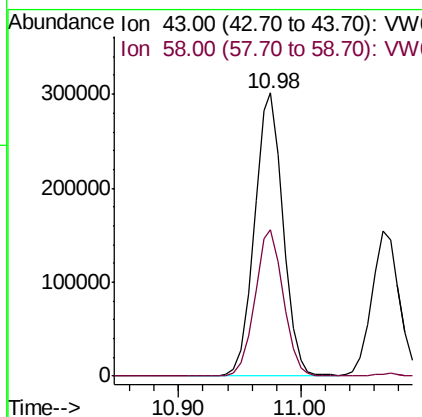
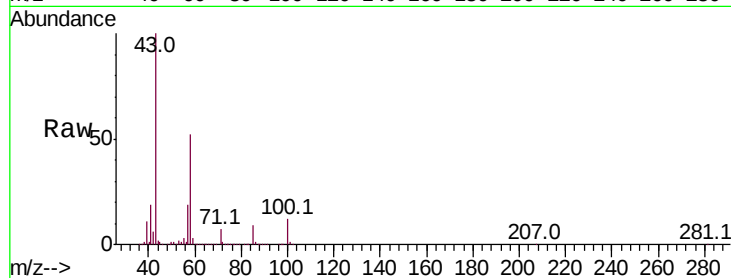




#59
2-Hexanone
Concen: 510.069 ug/l
RT: 10.98 min Scan# 1488
Delta R.T. -0.00 min
Lab File: VW005546.D
Acq: 20 Sep 2018 22:45

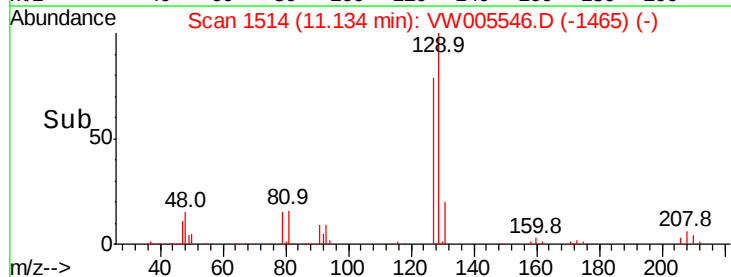
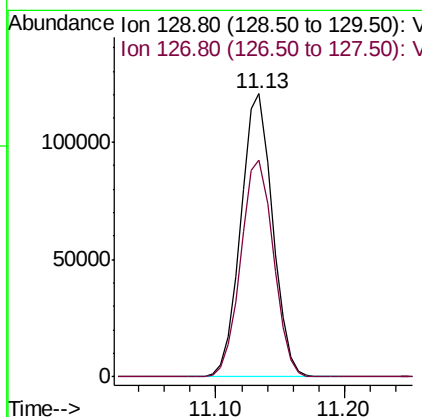
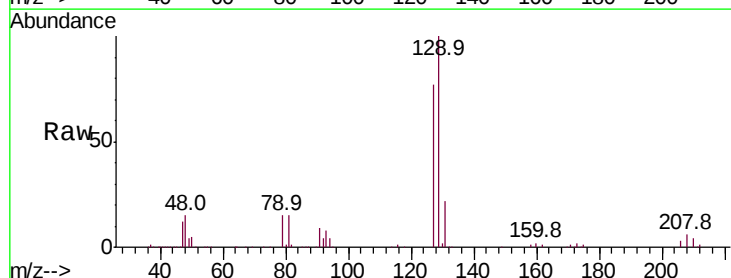
Instrument :
MSVOA_W
ClientSampleId :

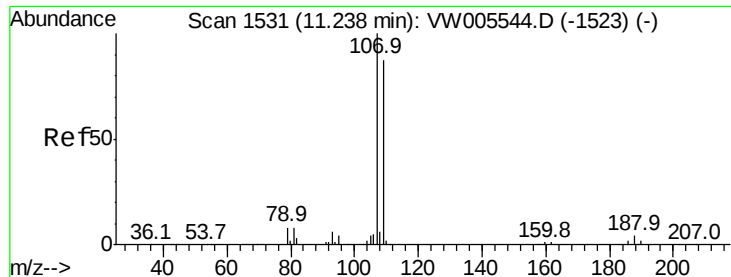
Tot Ion: 43 Resp: 488495
Ion Ratio Lower Upper
43 100
58 51.5 25.3 75.9



#60
Dibromochloromethane
Concen: 97.187 ug/l
RT: 11.13 min Scan# 1514
Delta R.T. -0.00 min
Lab File: VW005546.D
Acq: 20 Sep 2018 22:45

Tgt Ion: 129 Resp: 205103
Ion Ratio Lower Upper
129 100
127 78.6 38.5 115.5





#61

1,2-Dibromoethane

Concen: 92.740 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW005546.D

Acq: 20 Sep 2018 22:45

Instrument :

MSVOA_W

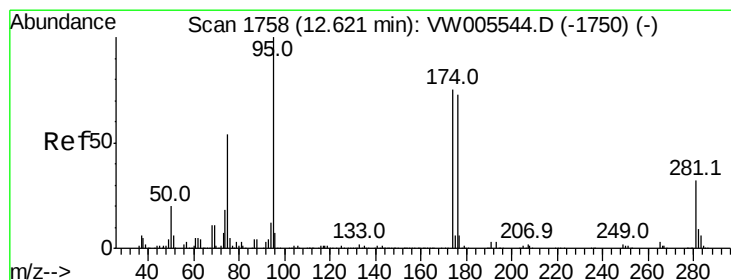
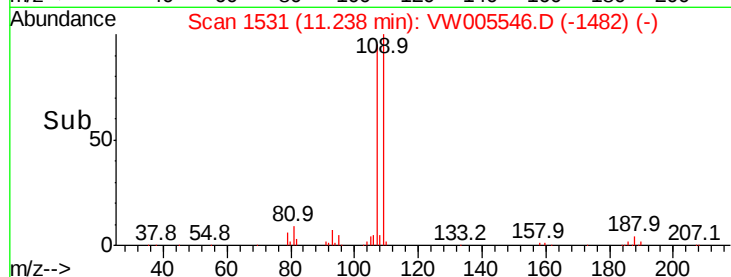
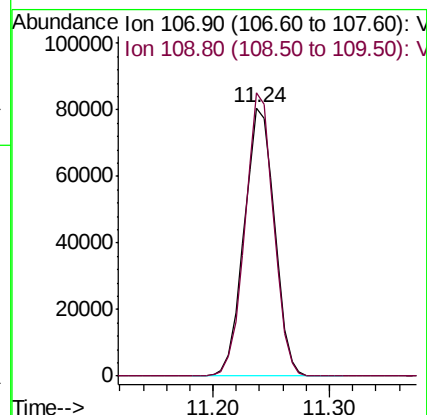
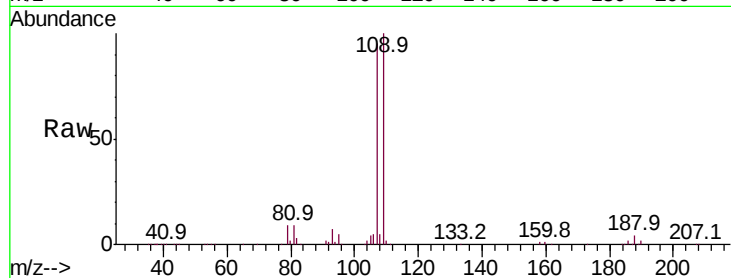
ClientSampleId :

Tot Ion:107 Resp: 146601

Ion Ratio Lower Upper

107 100

109 99.3 73.4 110.0



#62

4-Bromofluorobenzene

Concen: 98.087 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW005546.D

Acq: 20 Sep 2018 22:45

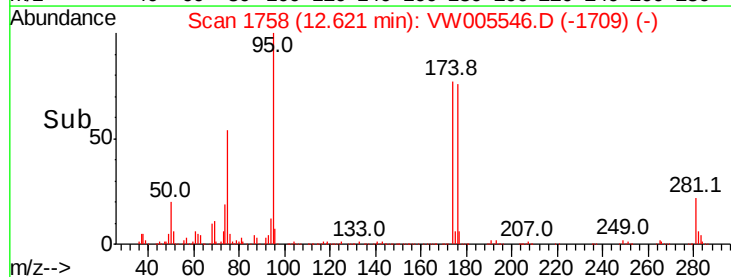
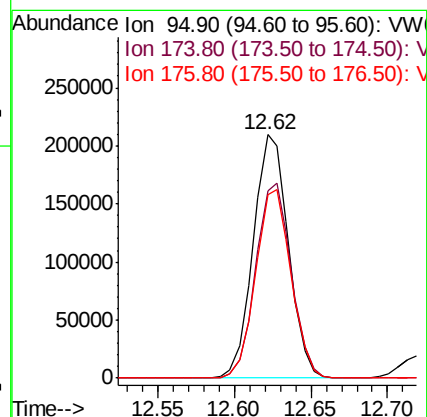
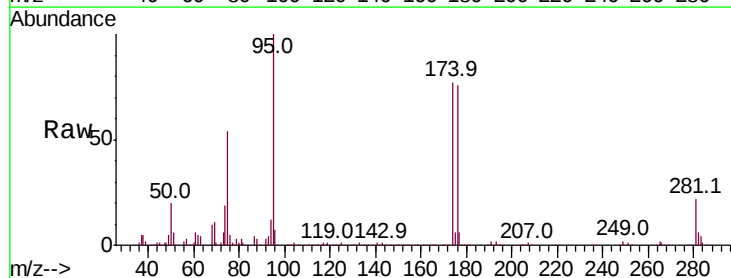
Tgt Ion: 95 Resp: 334334

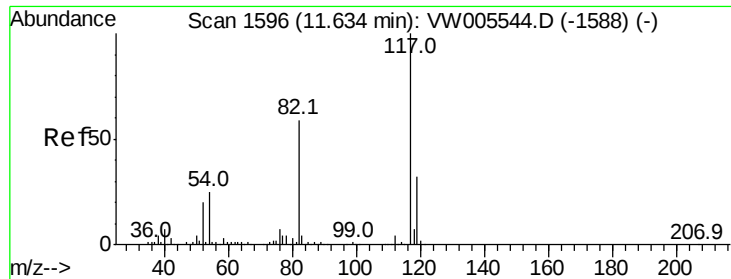
Ion Ratio Lower Upper

95 100

174 81.1 0.0 163.8

176 78.3 0.0 158.0

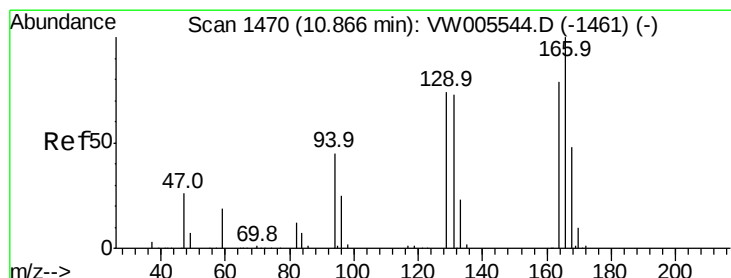
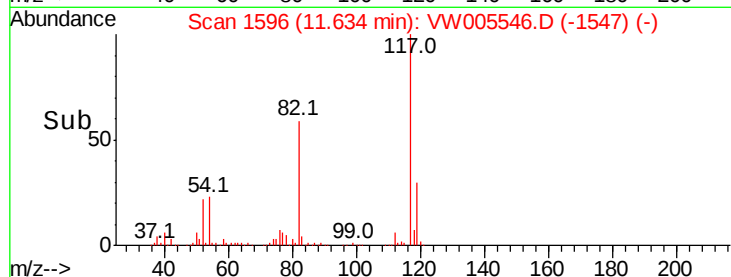
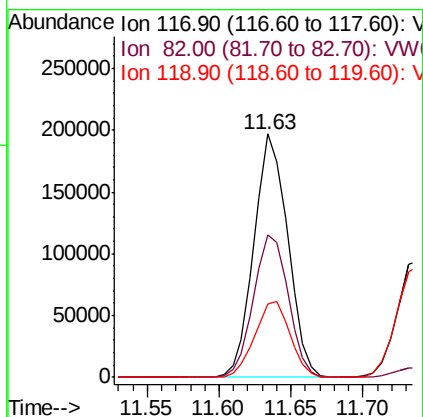
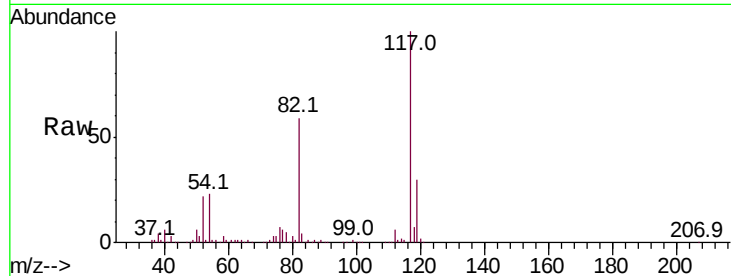




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW005546.D
Acq: 20 Sep 2018 22:45

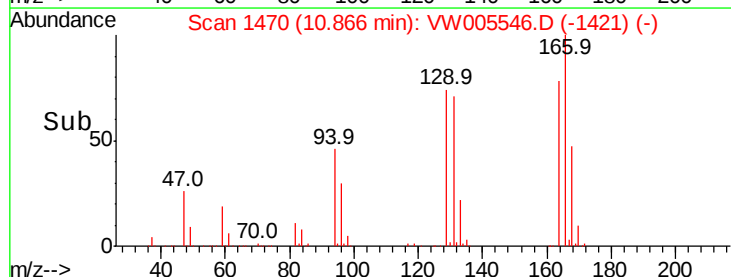
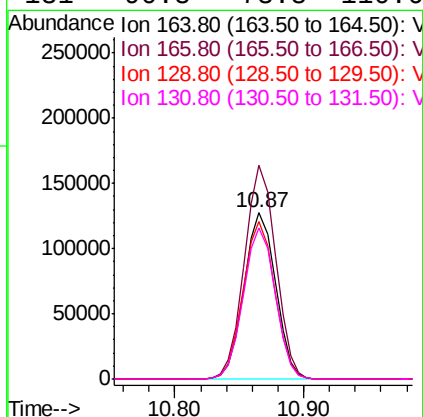
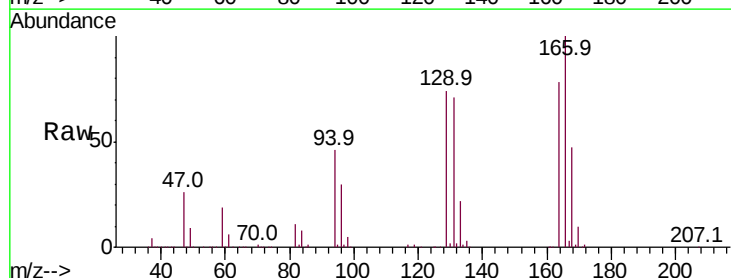
Instrument :
MSVOA_W
ClientSampled :

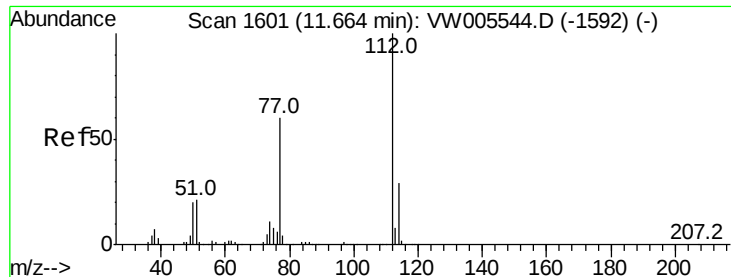
Tot Ion:117 Resp: 320041
Ion Ratio Lower Upper
117 100
82 58.7 46.9 70.3
119 30.3 25.7 38.5



#64
Tetrachloroethene
Concen: 91.894 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VW005546.D
Acq: 20 Sep 2018 22:45

Tgt Ion:164 Resp: 216104
Ion Ratio Lower Upper
164 100
166 128.7 101.1 151.7
129 95.1 74.4 111.6
131 90.8 73.8 110.6

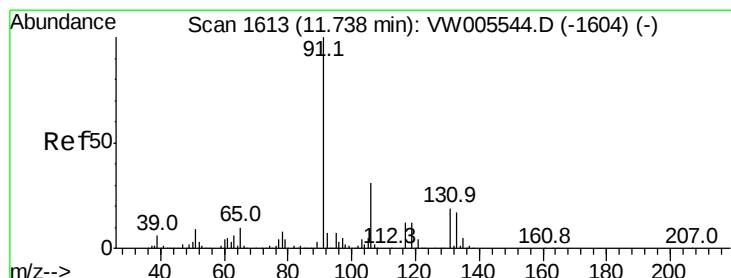
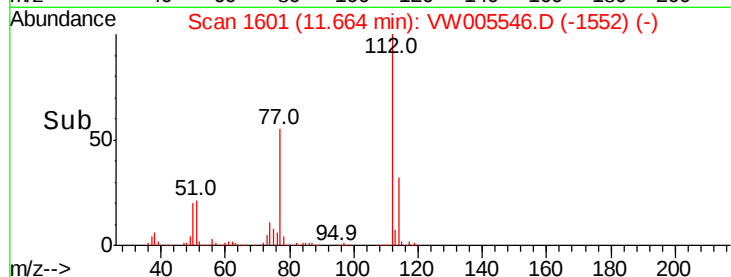
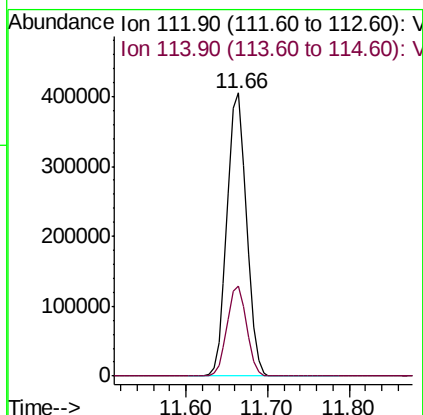
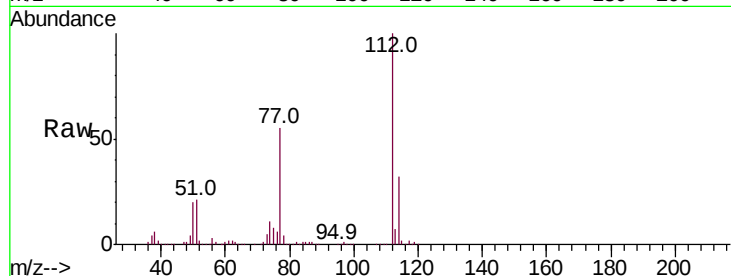




#65
Chlorobenzene
Concen: 97.568 ug/l
RT: 11.66 min Scan# 1601
Delta R.T. -0.00 min
Lab File: VW005546.D
Acq: 20 Sep 2018 22:45

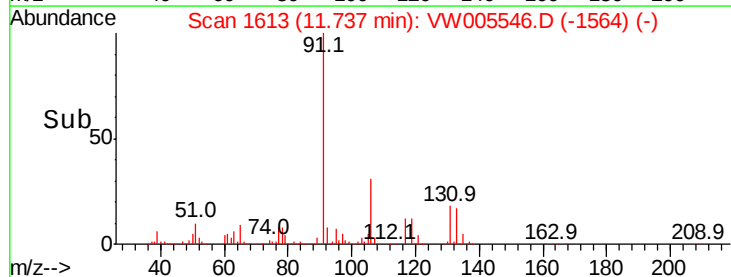
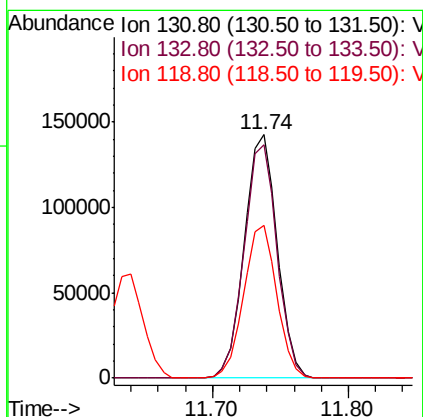
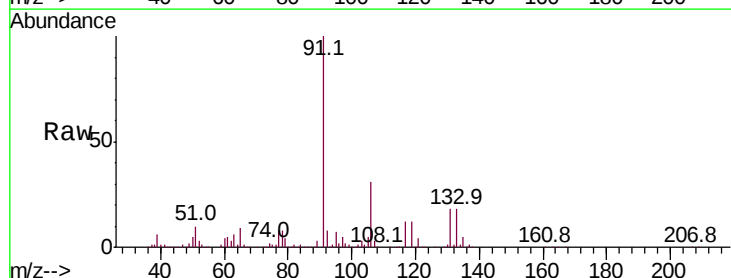
Instrument :
MSVOA_W
ClientSampled :

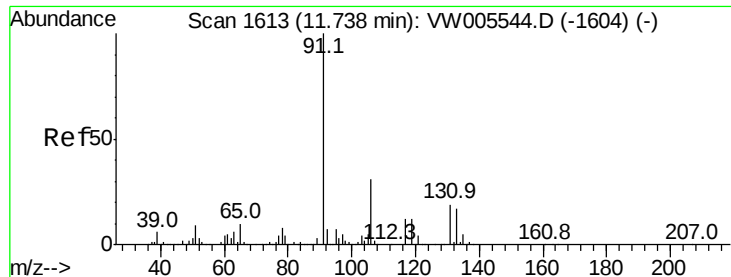
Tot Ion:112 Resp: 666004
Ion Ratio Lower Upper
112 100
114 31.7 22.9 34.3



#66
1,1,1,2-Tetrachloroethane
Concen: 108.127 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. -0.00 min
Lab File: VW005546.D
Acq: 20 Sep 2018 22:45

Tgt Ion:131 Resp: 241220
Ion Ratio Lower Upper
131 100
133 96.7 47.2 141.6
119 63.2 31.1 93.2

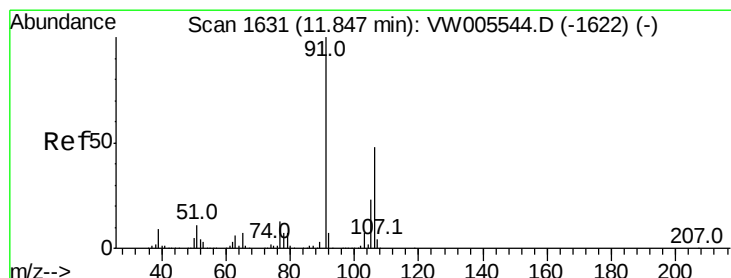
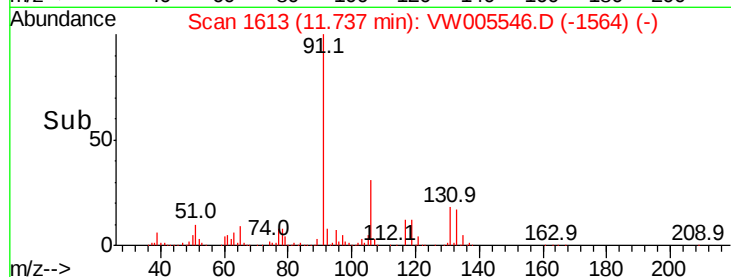
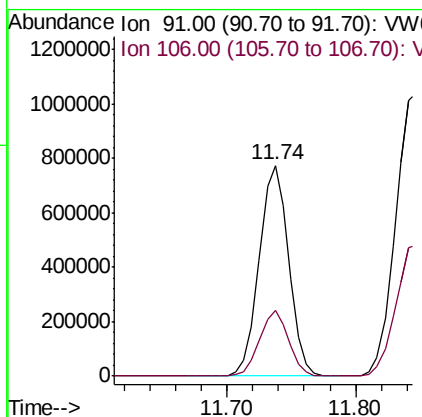
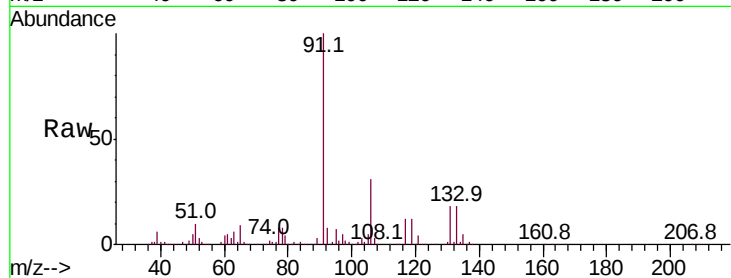




#67
Ethyl Benzene
Concen: 101.585 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. -0.00 min
Lab File: VW005546.D
Acq: 20 Sep 2018 22:45

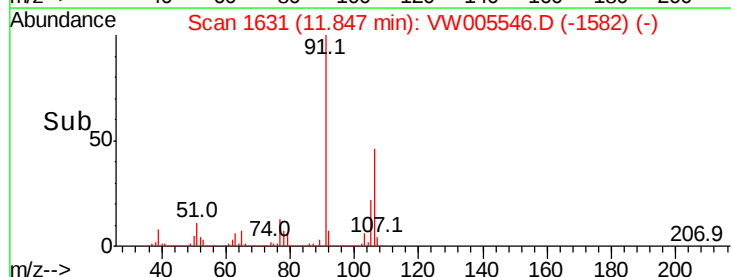
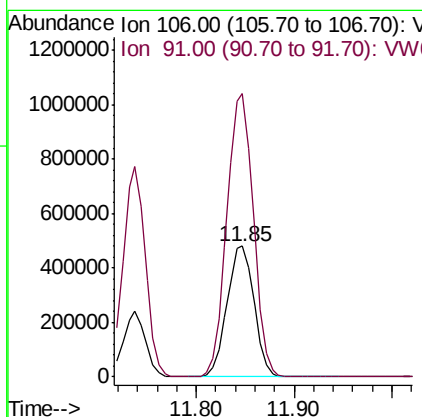
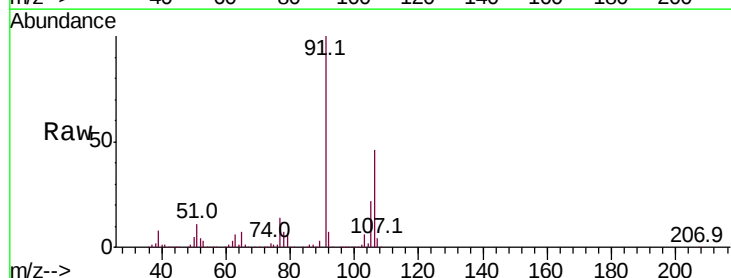
Instrument :
MSVOA_W
ClientSampled :

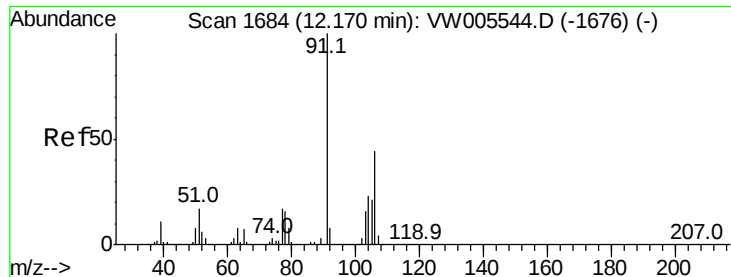
Tot Ion: 91 Resp: 1219778
Ion Ratio Lower Upper
91 100
106 31.1 24.4 36.6



#68
m/p-Xylenes
Concen: 198.410 ug/l
RT: 11.85 min Scan# 1631
Delta R.T. -0.00 min
Lab File: VW005546.D
Acq: 20 Sep 2018 22:45

Tgt Ion:106 Resp: 914833
Ion Ratio Lower Upper
106 100
91 213.9 167.8 251.8

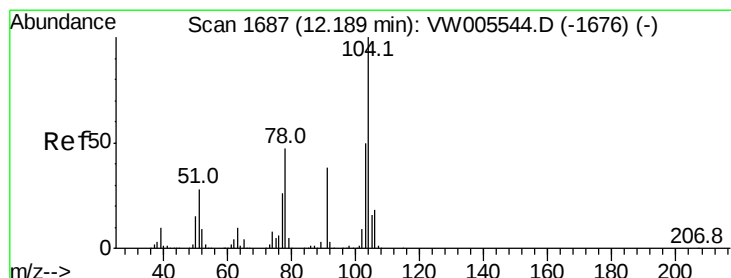
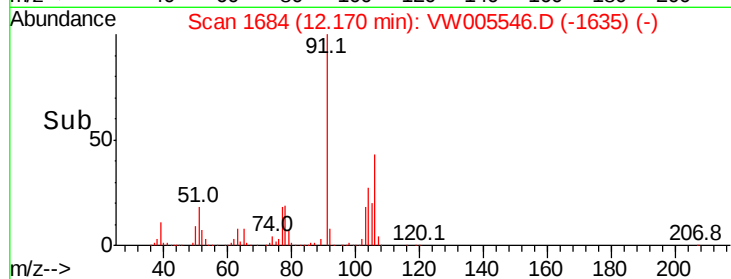
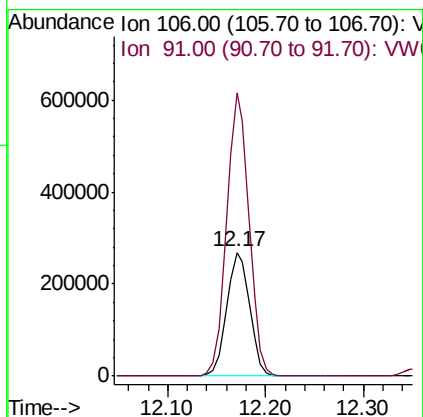
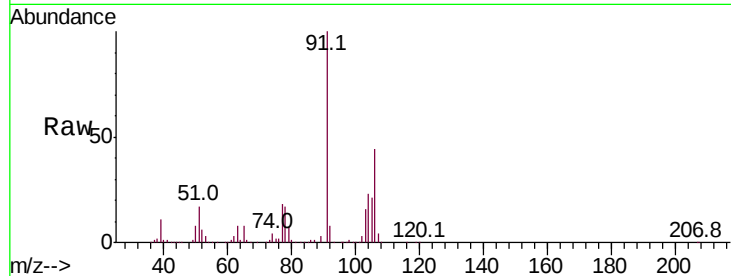




#69
o-Xylene
Concen: 101.473 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW005546.D
Acq: 20 Sep 2018 22:45

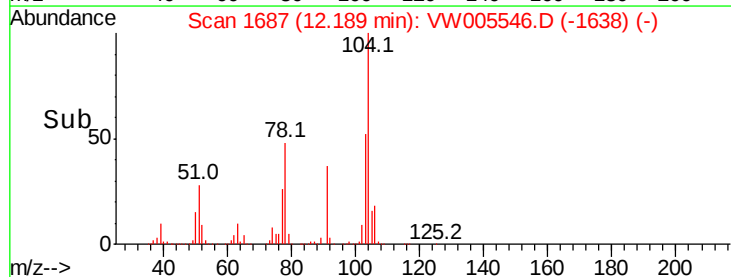
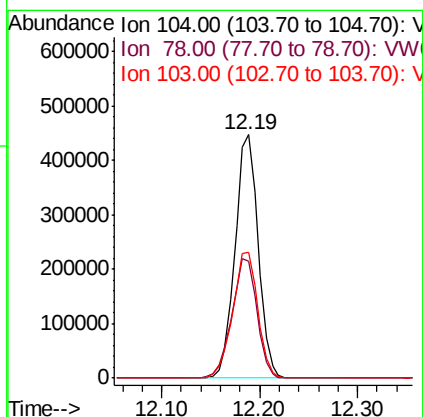
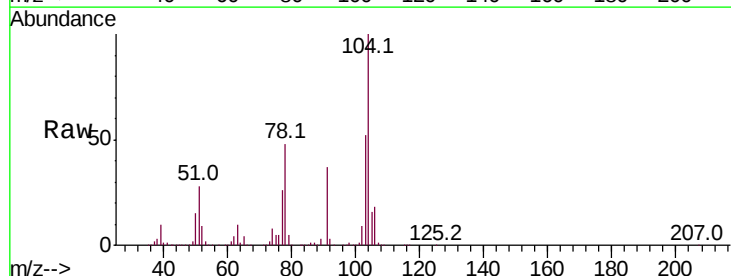
Instrument :
MSVOA_W
ClientSampled :

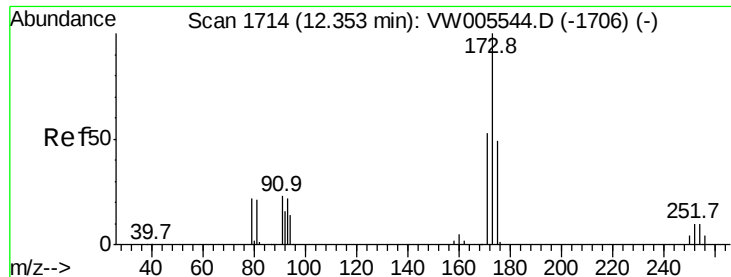
Tot Ion:106 Resp: 435560
Ion Ratio Lower Upper
106 100
91 222.9 111.0 333.0



#70
Styrene
Concen: 102.965 ug/l
RT: 12.19 min Scan# 1687
Delta R.T. -0.00 min
Lab File: VW005546.D
Acq: 20 Sep 2018 22:45

Tgt Ion:104 Resp: 732287
Ion Ratio Lower Upper
104 100
78 53.5 42.2 63.4
103 56.2 44.6 66.8





#71

Bromoform

Concen: 107.265 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW005546.D

Acq: 20 Sep 2018 22:45

Instrument :

MSVOA_W

ClientSampleId :

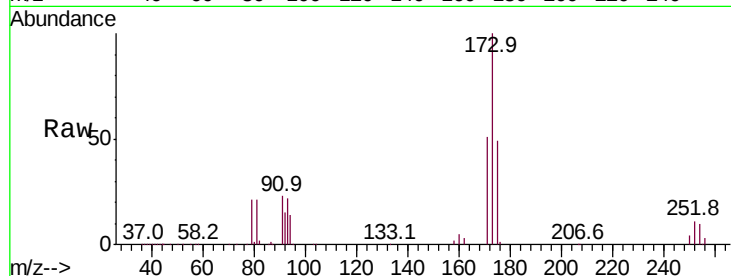
Tot Ion:173 Resp: 126416

Ion Ratio Lower Upper

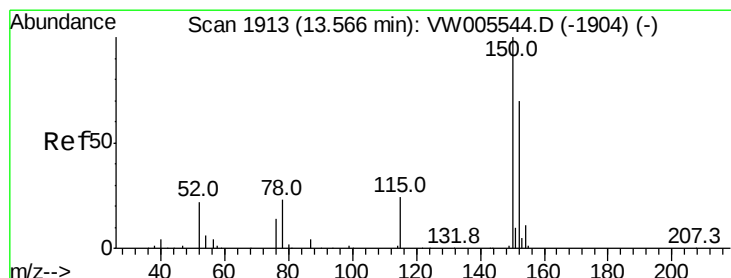
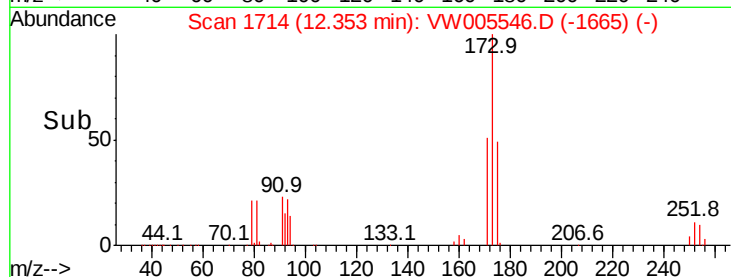
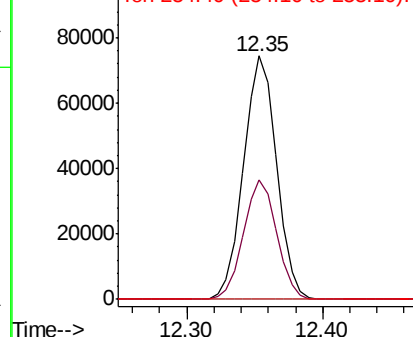
173 100

175 49.0 24.3 72.9

254 0.3 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: VW005546.D

Acq: 20 Sep 2018 22:45

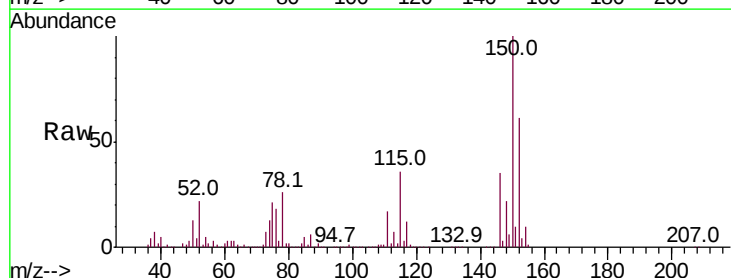
Tgt Ion:152 Resp: 175950

Ion Ratio Lower Upper

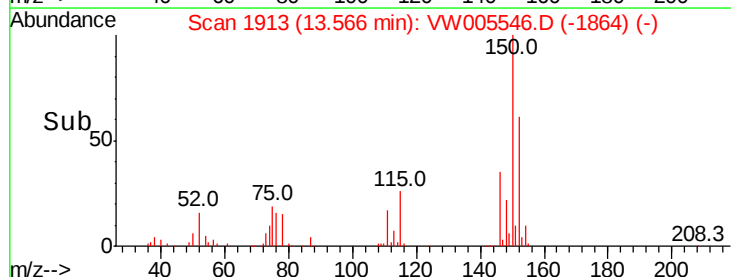
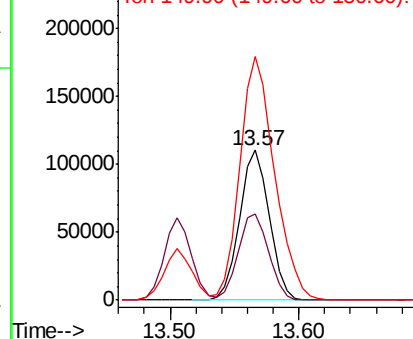
152 100

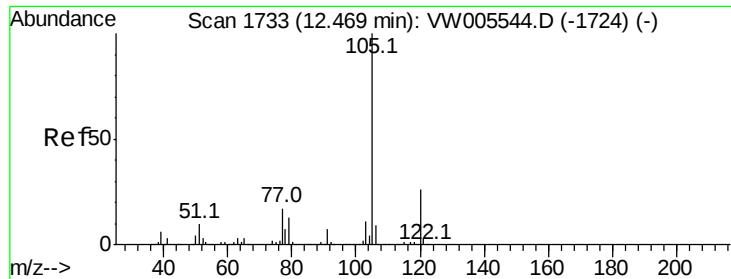
115 58.6 30.0 90.0

150 189.4 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: 100.845 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW005546.D

Acq: 20 Sep 2018 22:45

Instrument :

MSVOA_W

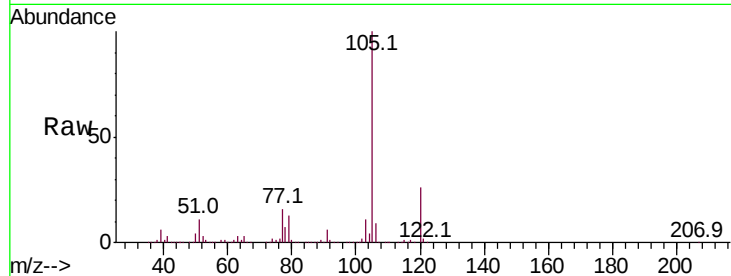
ClientSampleId :

Tot Ion:105 Resp: 1250072

Ion Ratio Lower Upper

105 100

120 25.8 12.9 38.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

800000

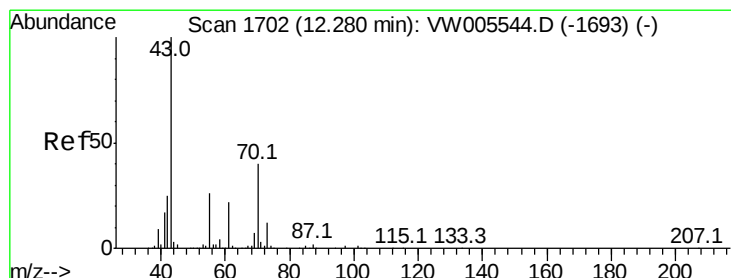
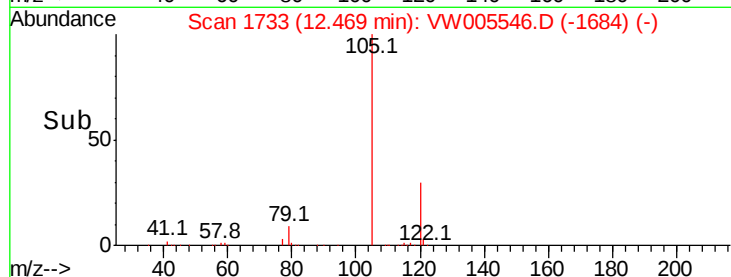
600000

400000

200000

0

Time--> 12.40 12.45 12.50 12.55



#74

N-ethyl acetate

Concen: 104.794 ug/l

RT: 12.28 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VW005546.D

Acq: 20 Sep 2018 22:45

Tgt Ion: 43 Resp: 275442

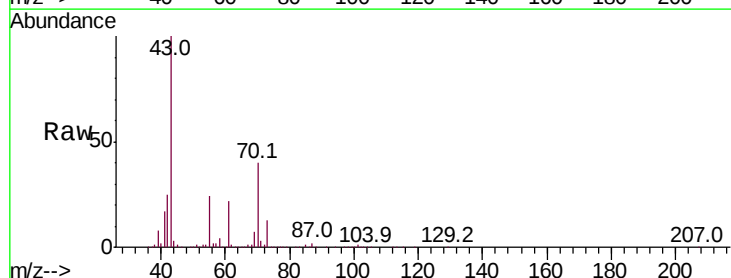
Ion Ratio Lower Upper

43 100

70 39.4 31.4 47.0

55 25.0 20.9 31.3

61 22.4 17.8 26.6



Abundance Ion 43.00 (42.70 to 43.70): VW

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

300000

250000

200000

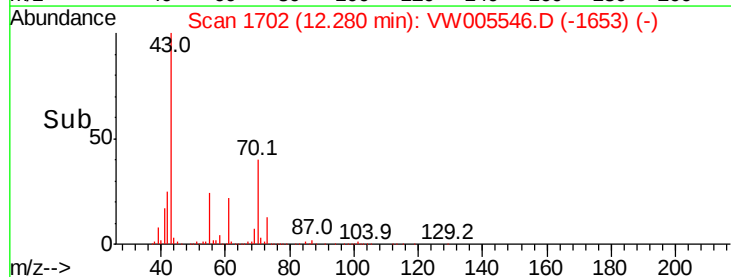
150000

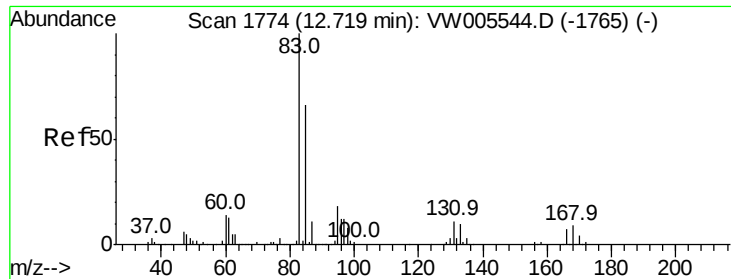
100000

50000

0

Time--> 12.20 12.30





#75

1,1,2,2-Tetrachloroethane

Concen: 102.789 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW005546.D

Acq: 20 Sep 2018 22:45

Instrument :

MSVOA_W

ClientSampleId :

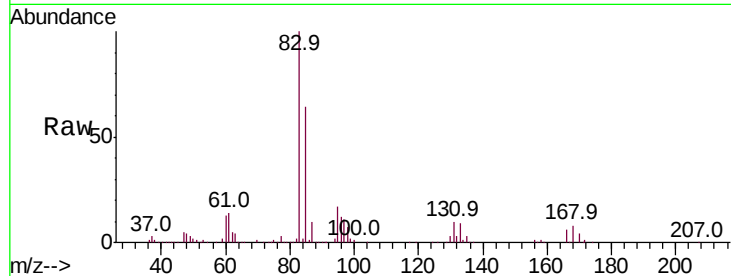
Tot Ion: 83 Resp: 189723

Ion Ratio Lower Upper

83 100

131 11.1 5.5 16.7

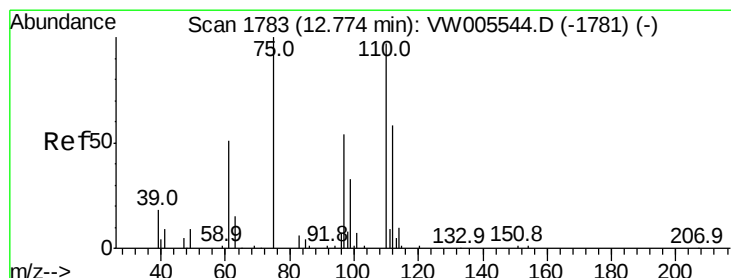
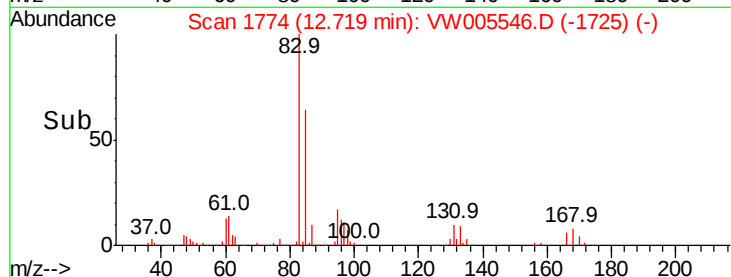
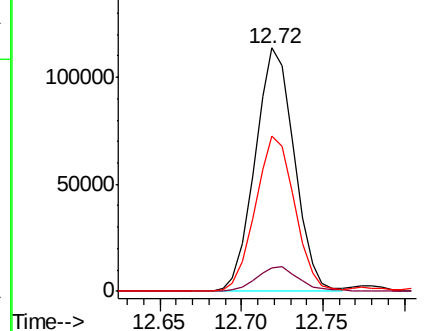
85 63.9 32.4 97.0



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: 185.643 ug/l

RT: 12.77 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VW005546.D

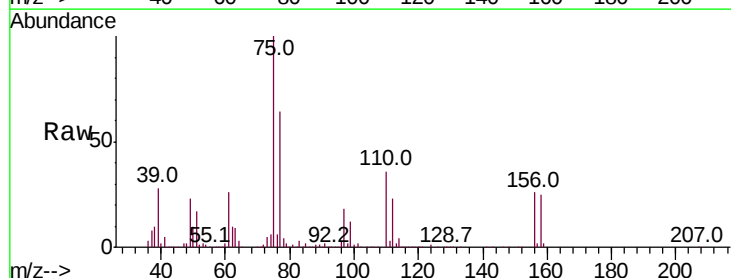
Acq: 20 Sep 2018 22:45

Tgt Ion: 75 Resp: 272232

Ion Ratio Lower Upper

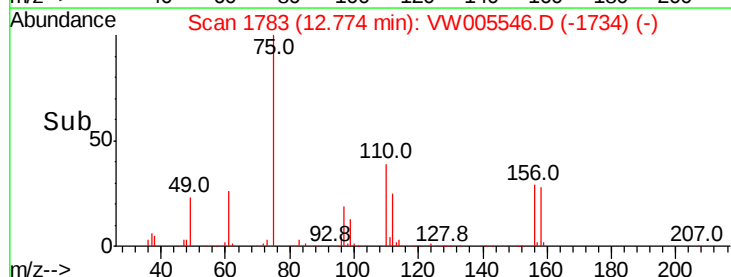
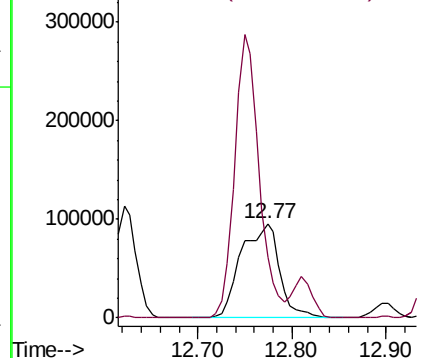
75 100

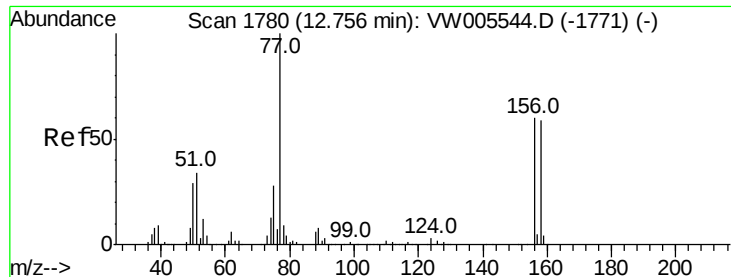
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 94.382 ug/l

RT: 12.76 min Scan# 1780

Delta R.T. -0.00 min

Lab File: VW005546.D

Acq: 20 Sep 2018 22:45

Instrument :

MSVOA_W

ClientSampleId :

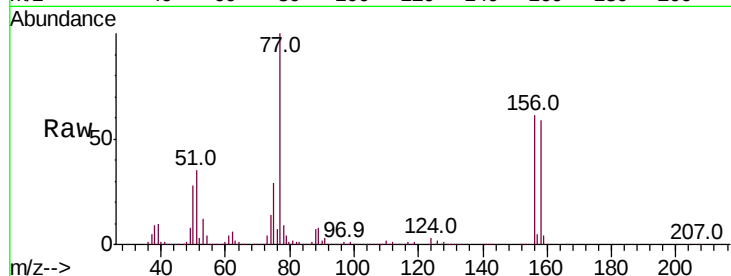
Tot Ion:156 Resp: 275725

Ion Ratio Lower Upper

156 100

77 189.2 94.7 284.1

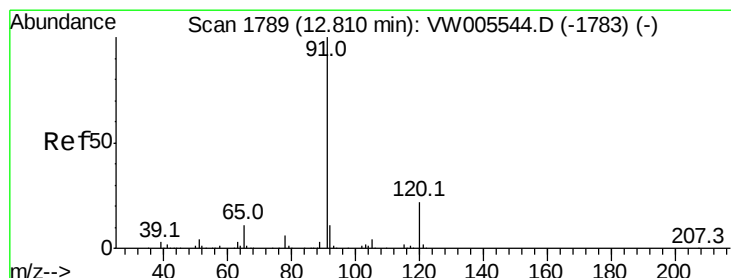
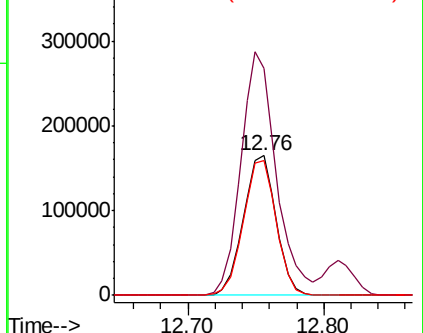
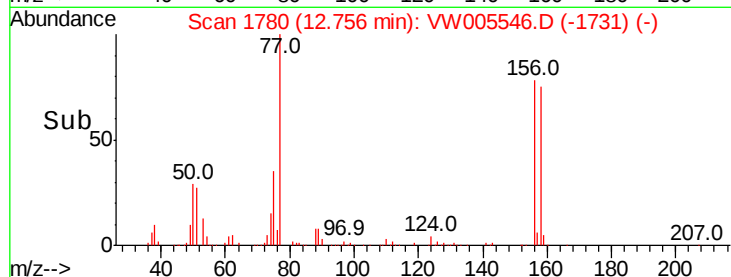
158 97.3 48.0 144.2



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: 99.808 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VW005546.D

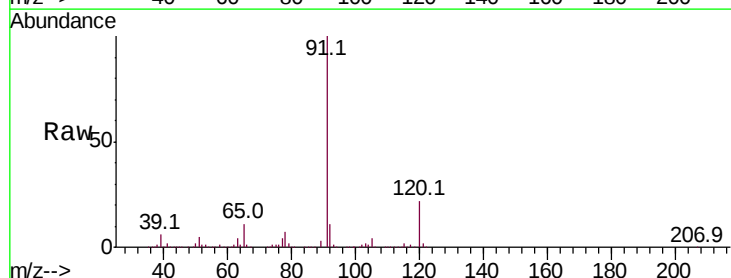
Acq: 20 Sep 2018 22:45

Tgt Ion: 91 Resp: 1492571

Ion Ratio Lower Upper

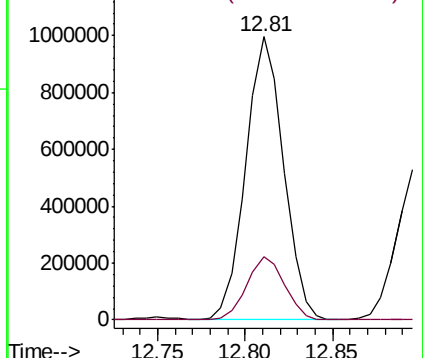
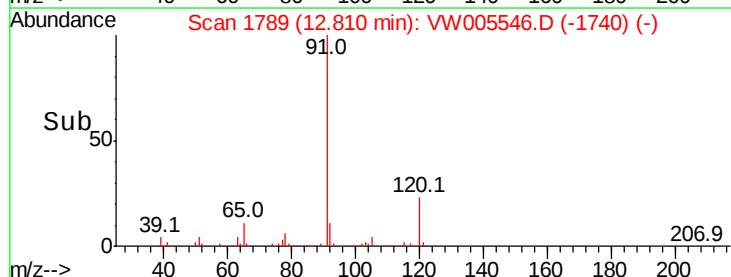
91 100

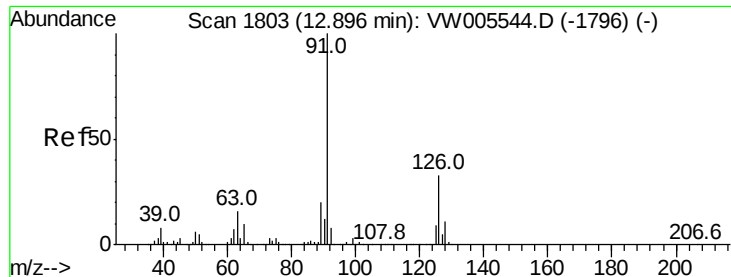
120 22.6 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 97.194 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW005546.D

Acq: 20 Sep 2018 22:45

Instrument :

MSVOA_W

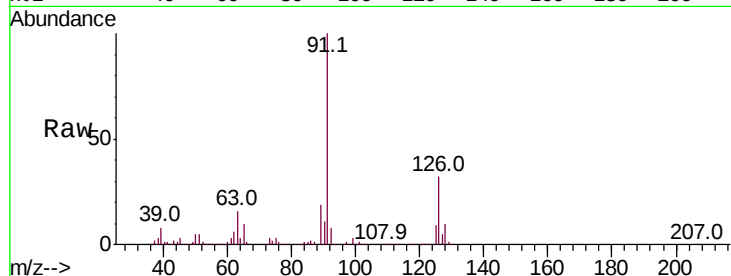
ClientSampleId :

Tot Ion: 91 Resp: 854371

Ion Ratio Lower Upper

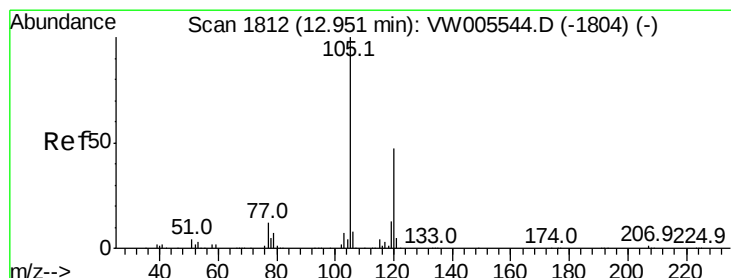
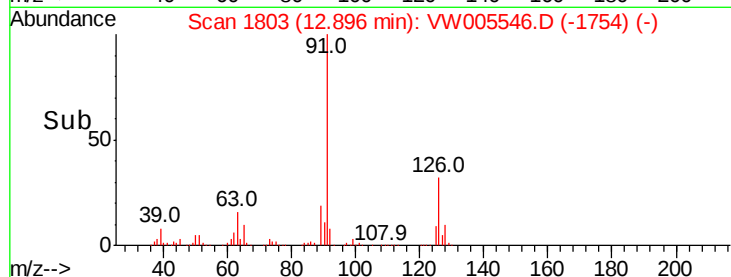
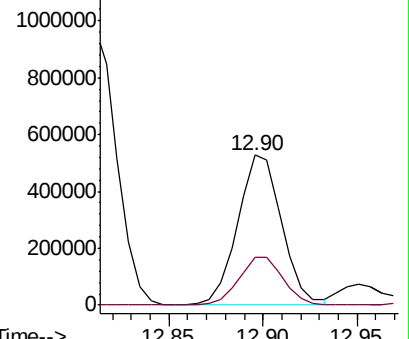
91 100

126 32.2 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: 98.681 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. -0.00 min

Lab File: VW005546.D

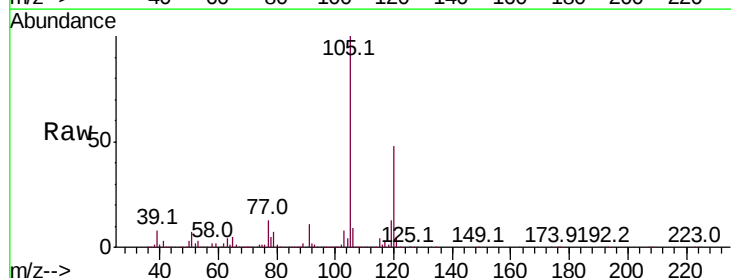
Acq: 20 Sep 2018 22:45

Tgt Ion:105 Resp: 1064160

Ion Ratio Lower Upper

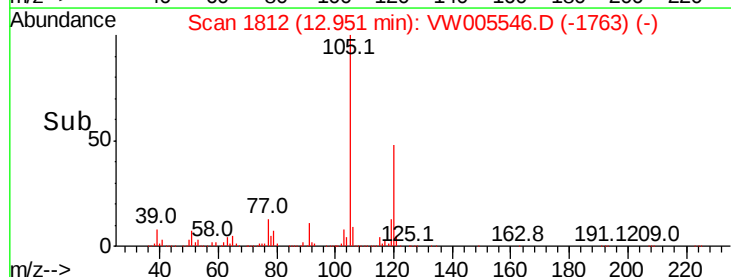
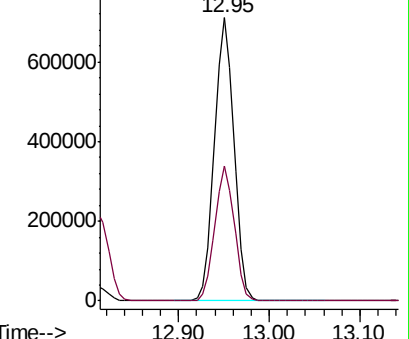
105 100

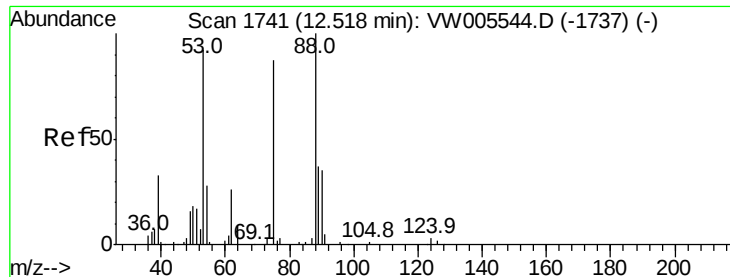
120 47.6 23.6 70.8



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: 114.238 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VW005546.D

Acq: 20 Sep 2018 22:45

Instrument :

MSVOA_W

ClientSampleId :

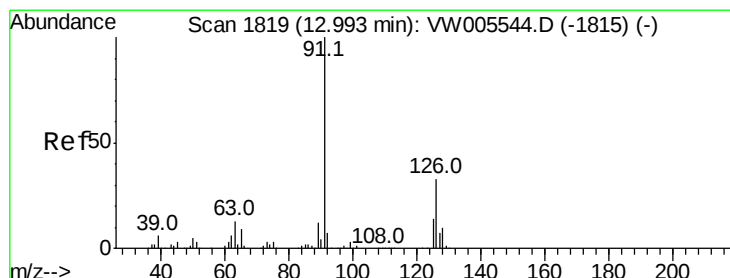
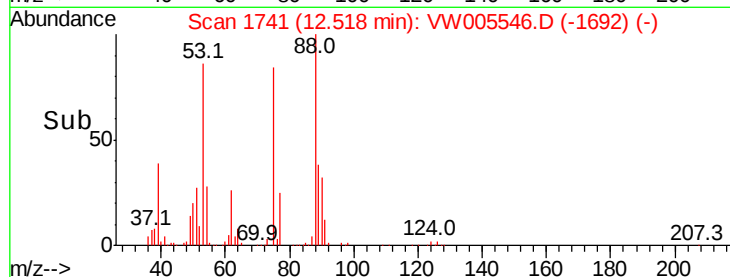
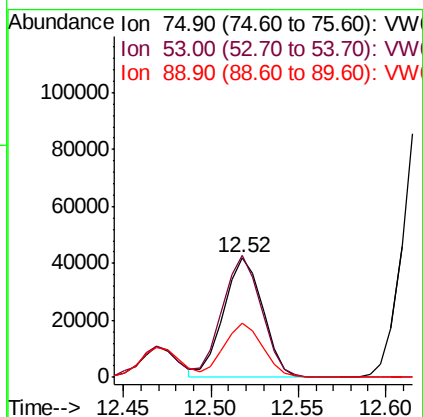
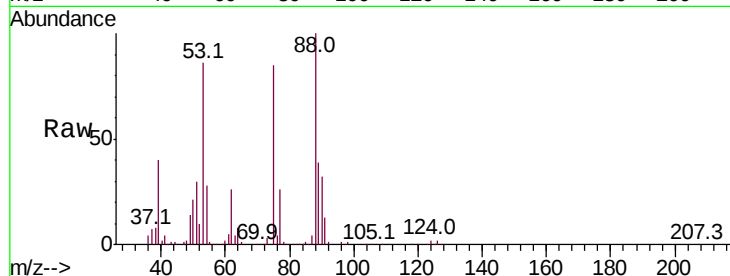
Tot Ion: 75 Resp: 65704

Ion Ratio Lower Upper

75 100

53 102.7 85.8 128.6

89 44.9 37.3 55.9



#82

4-Chlorotoluene

Concen: 95.725 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VW005546.D

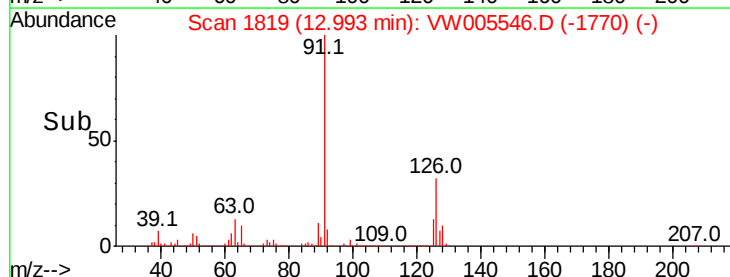
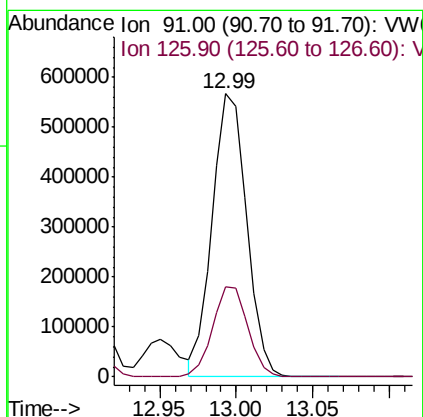
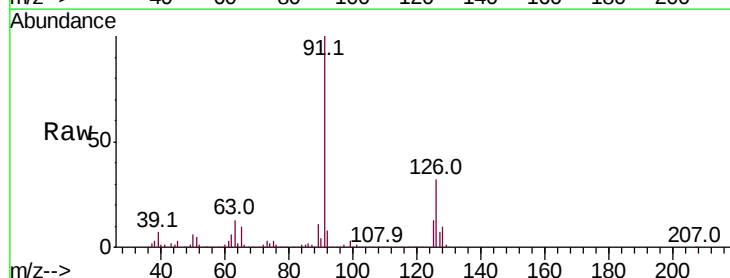
Acq: 20 Sep 2018 22:45

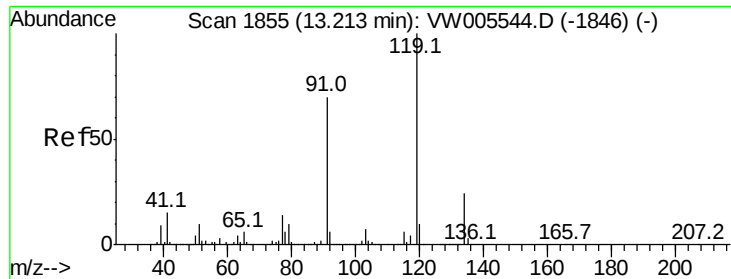
Tgt Ion: 91 Resp: 888977

Ion Ratio Lower Upper

91 100

126 32.6 16.4 49.4

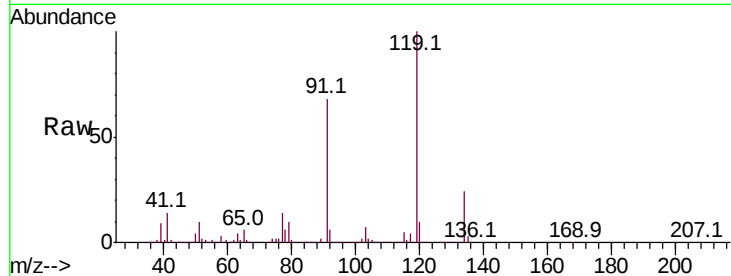




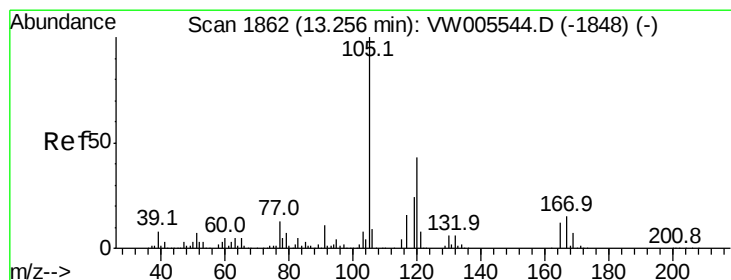
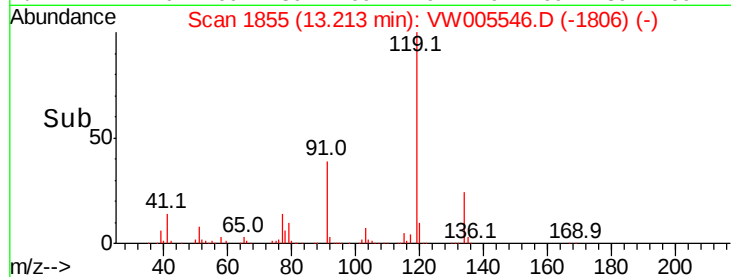
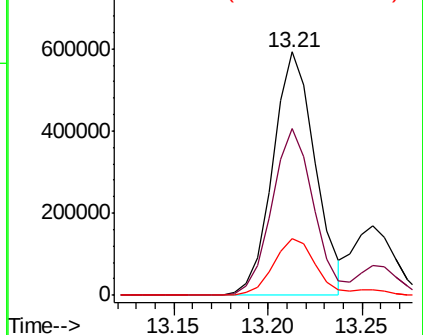
#83
tert-Butylbenzene
Concen: 102.760 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. -0.00 min
Lab File: VW005546.D
Acq: 20 Sep 2018 22:45

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:119 Resp: 921706
Ion Ratio Lower Upper
119 100
91 68.4 34.6 103.8
134 23.4 12.6 37.6

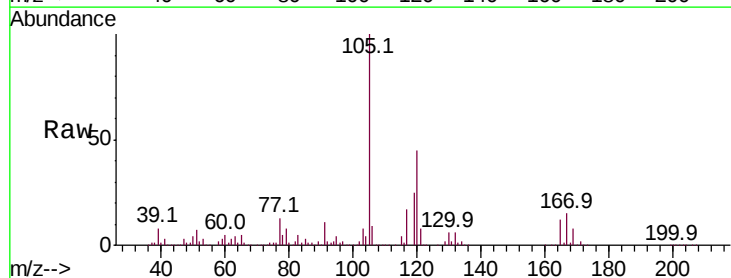


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VW
Ion 134.00 (133.70 to 134.70): V

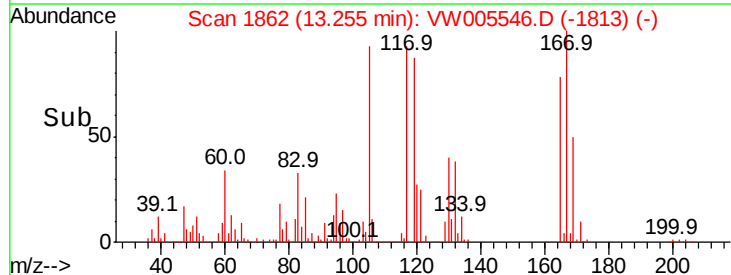
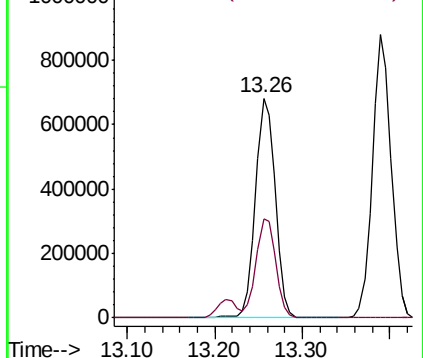


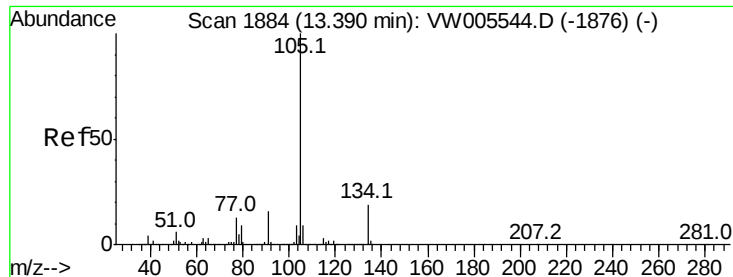
#84
1,2,4-Trimethylbenzene
Concen: 97.508 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW005546.D
Acq: 20 Sep 2018 22:45

Tgt Ion:105 Resp: 1068554
Ion Ratio Lower Upper
105 100
120 44.6 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: 101.670 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. -0.00 min

Lab File: VW005546.D

Acq: 20 Sep 2018 22:45

Instrument :

MSVOA_W

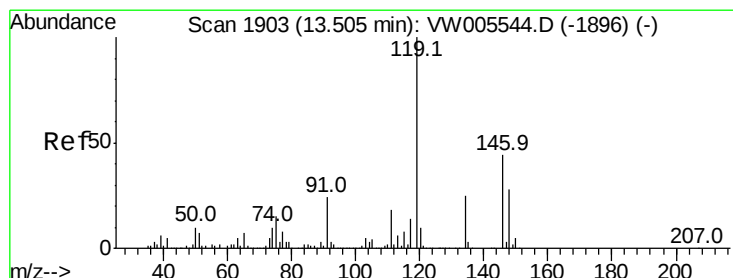
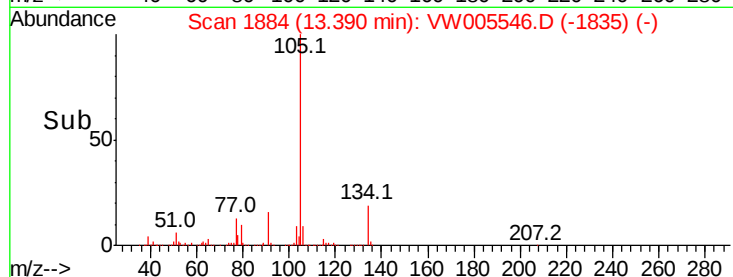
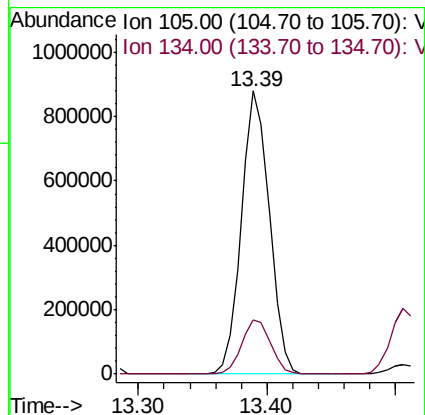
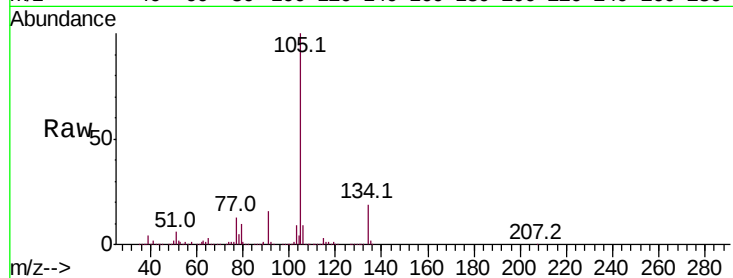
ClientSampled :

Tot Ion:105 Resp: 1317781

Ion Ratio Lower Upper

105 100

134 19.7 9.8 29.5



#86

p-Isopropyltoluene

Concen: 101.345 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. -0.00 min

Lab File: VW005546.D

Acq: 20 Sep 2018 22:45

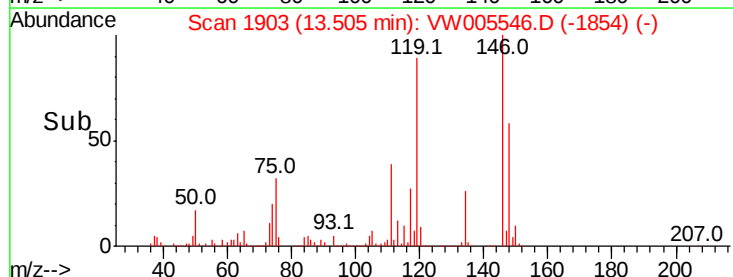
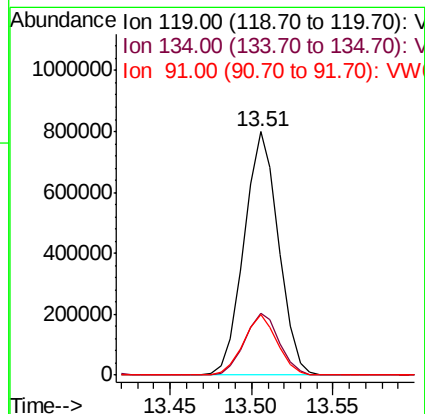
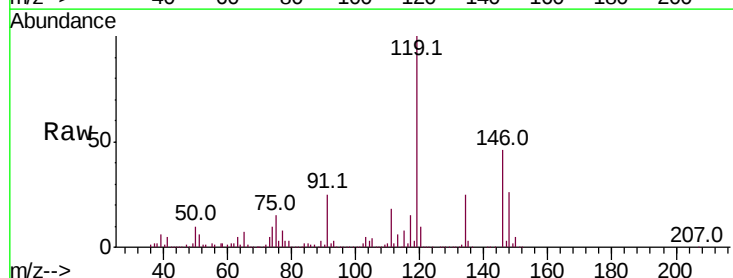
Tgt Ion:119 Resp: 1175382

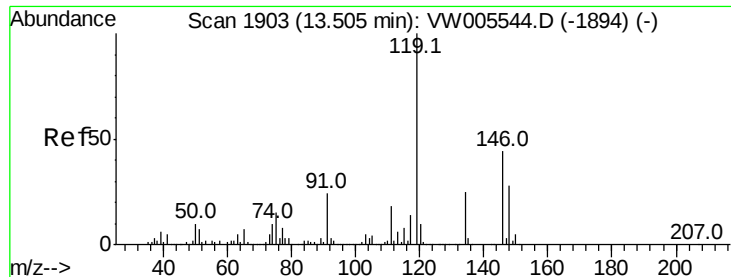
Ion Ratio Lower Upper

119 100

134 25.6 12.7 38.1

91 24.1 12.2 36.4

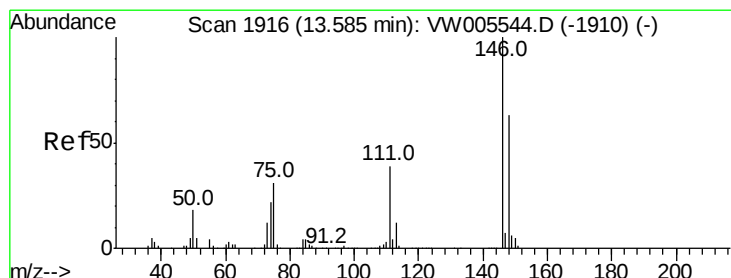
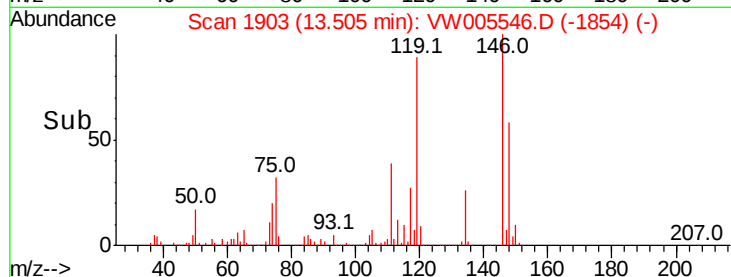
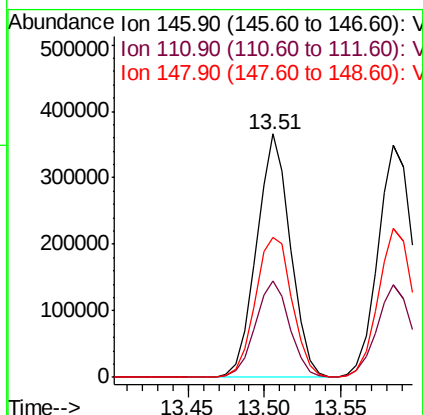
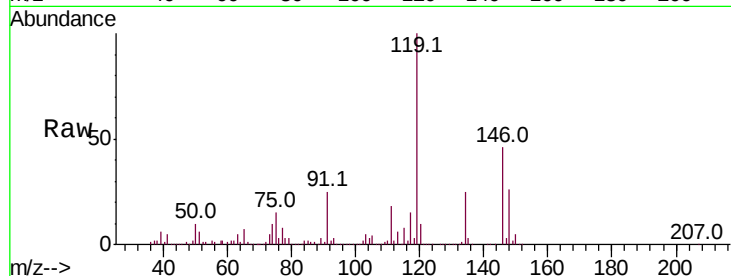




#87
 1,3-Dichlorobenzene
 Concen: 94.925 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW005546.D
 Acq: 20 Sep 2018 22:45

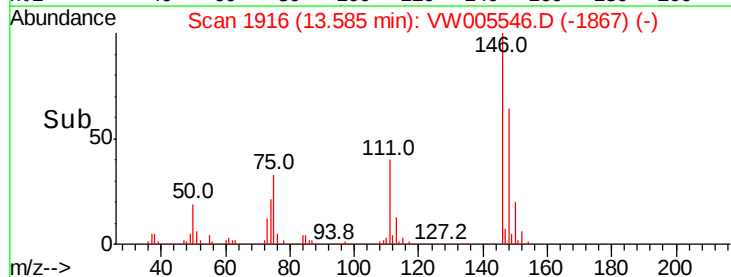
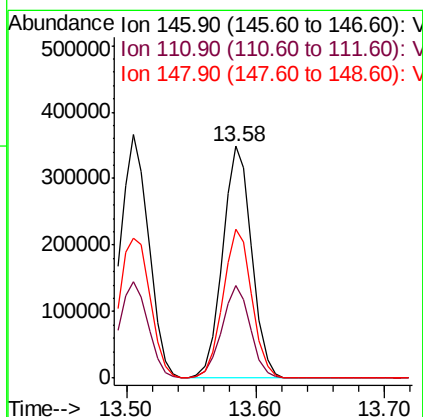
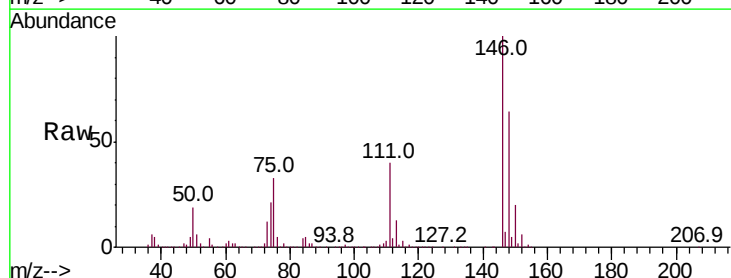
Instrument :
 MSVOA_W
 ClientSampled :

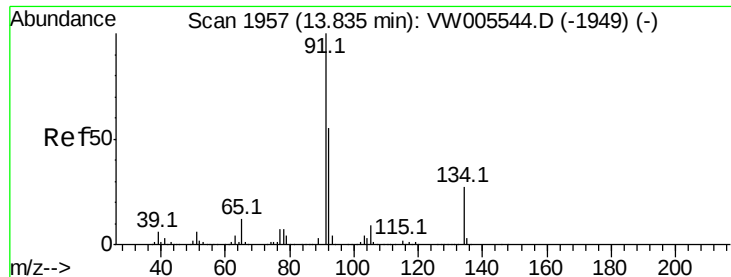
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.3	60.9
148	62.5	31.8	95.4



#88
 1,4-Dichlorobenzene
 Concen: 94.433 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VW005546.D
 Acq: 20 Sep 2018 22:45

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.9	59.7
148	63.9	32.1	96.3





#89

n-Butylbenzene

Concen: 102.378 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.01 min

Lab File: VW005546.D

Acq: 20 Sep 2018 22:45

Instrument :

MSVOA_W

ClientSampled :

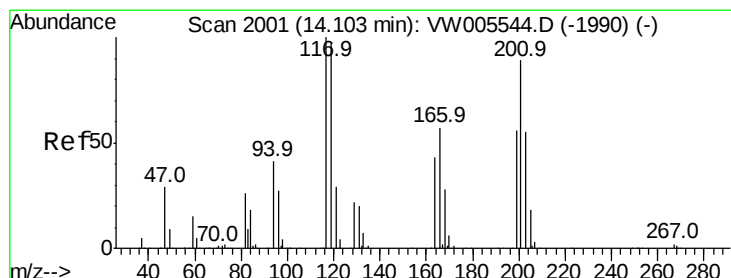
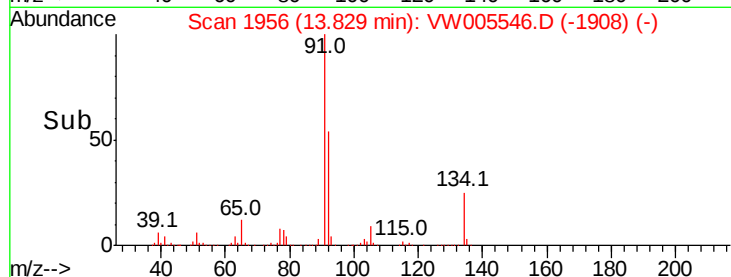
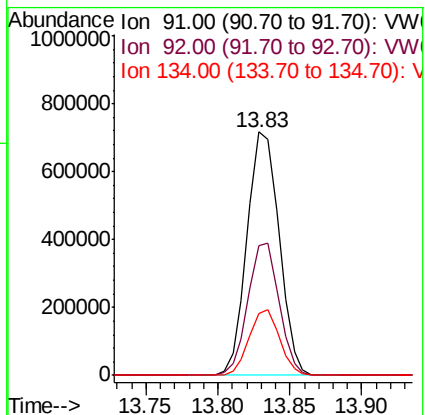
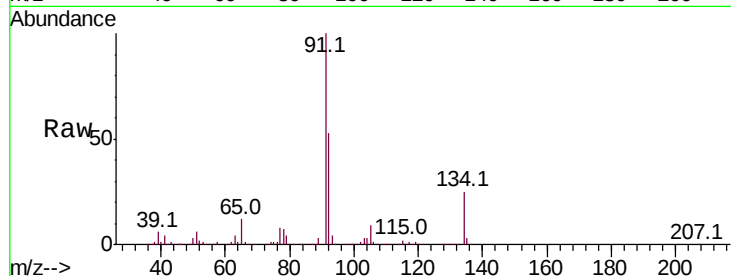
Tot Ion: 91 Resp: 1104450

Ion	Ratio	Lower	Upper
91	100		
92	52.8	26.5	79.5
134	25.8	12.9	38.7

91 100

92 52.8 26.5 79.5

134 25.8 12.9 38.7



#90

Hexachloroethane

Concen: 104.026 ug/l

RT: 14.10 min Scan# 2001

Delta R.T. -0.00 min

Lab File: VW005546.D

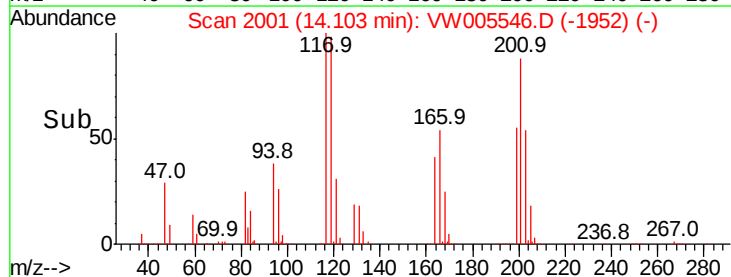
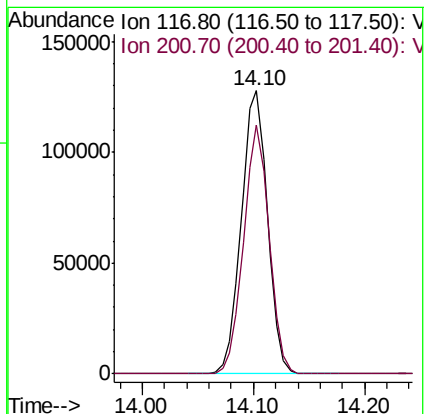
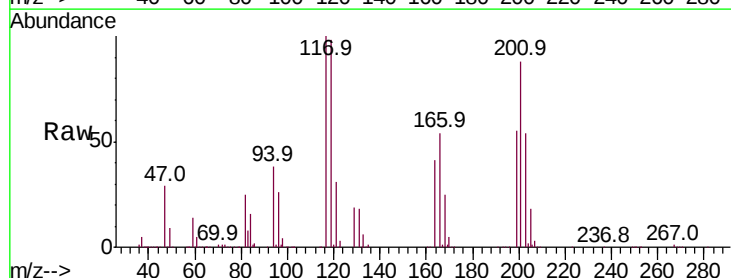
Acq: 20 Sep 2018 22:45

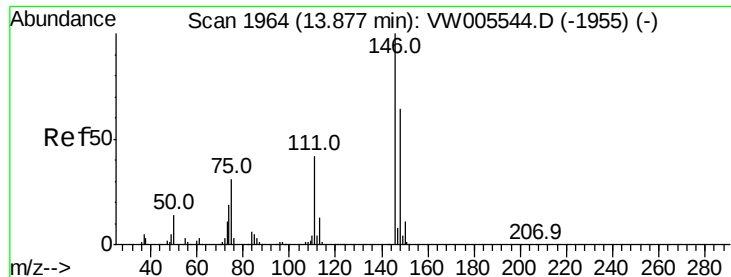
Tgt Ion: 117 Resp: 208389

Ion	Ratio	Lower	Upper
117	100		
201	85.4	42.8	128.3

117 100

201 85.4 42.8 128.3

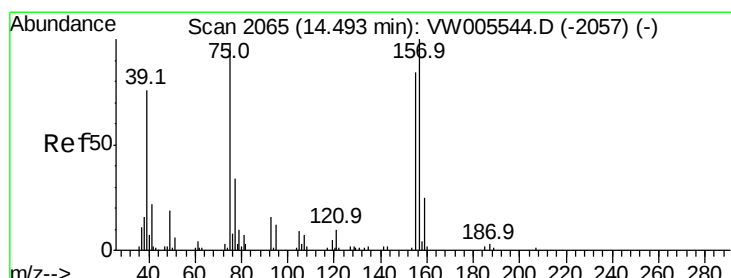
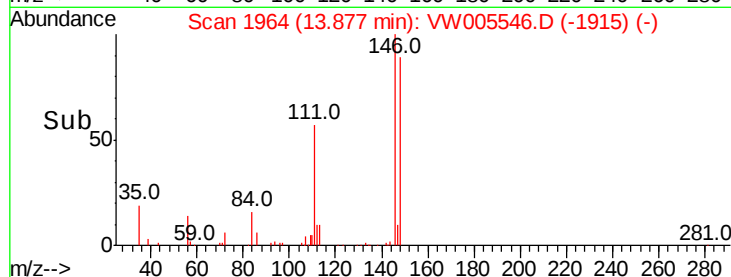
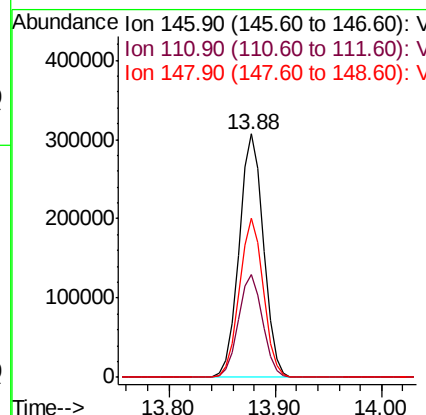
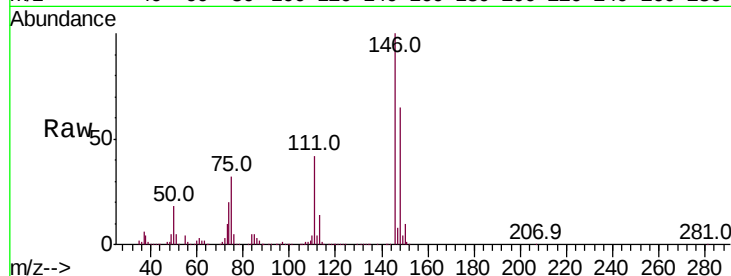




#91
 1,2-Dichlorobenzene
 Concen: 95.137 ug/l
 RT: 13.88 min Scan# 1964
 Delta R.T. -0.00 min
 Lab File: VW005546.D
 Acq: 20 Sep 2018 22:45

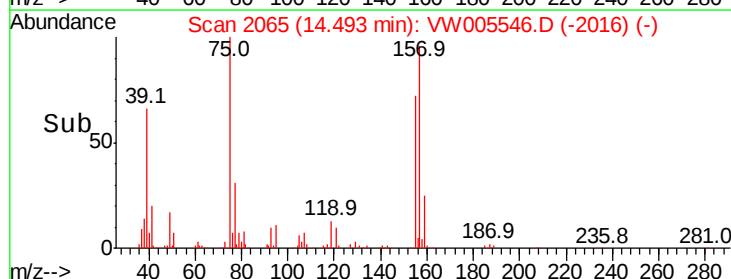
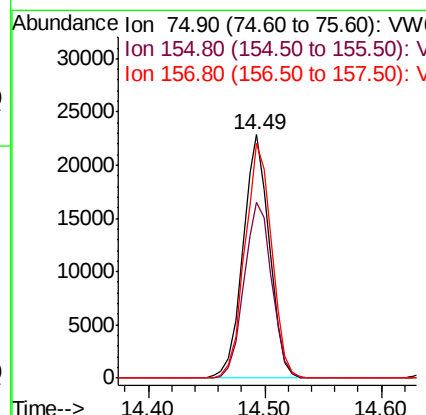
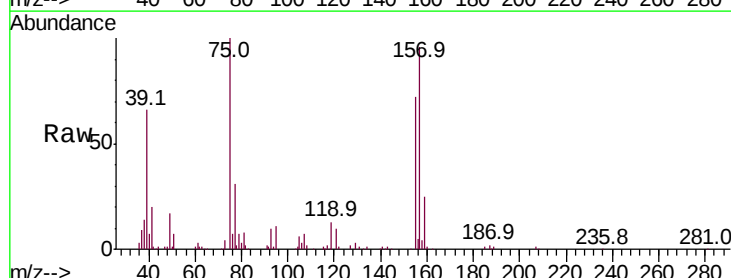
Instrument :
 MSVOA_W
 ClientSampleId :

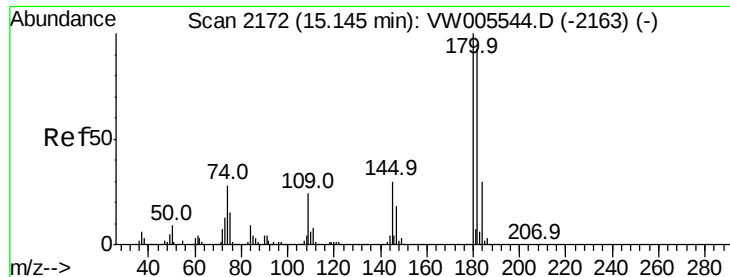
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.1	21.3	63.9
148	64.3	32.0	96.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 102.981 ug/l
 RT: 14.49 min Scan# 2065
 Delta R.T. -0.00 min
 Lab File: VW005546.D
 Acq: 20 Sep 2018 22:45

Tgt Ion	Ratio	Lower	Upper
75	100		
155	75.6	39.1	117.5
157	97.9	50.8	152.4

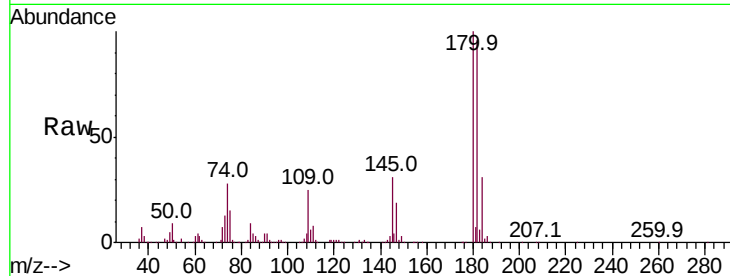




#93
 1,2,4-Trichlorobenzene
 Concen: 105.425 ug/l
 RT: 15.15 min Scan# 2172
 Delta R.T. -0.00 min
 Lab File: VW005546.D
 Acq: 20 Sep 2018 22:45

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.8	47.7	143.1
145	30.4	15.0	45.1

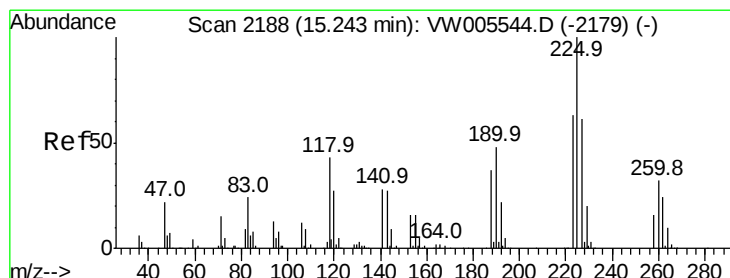
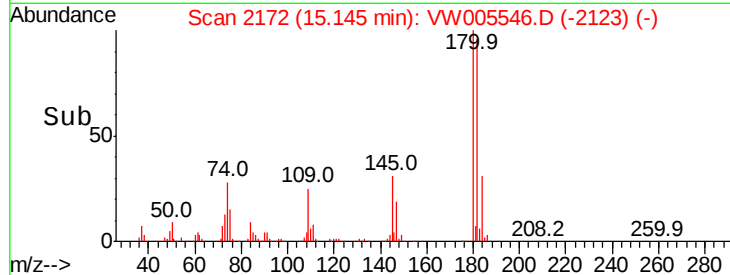
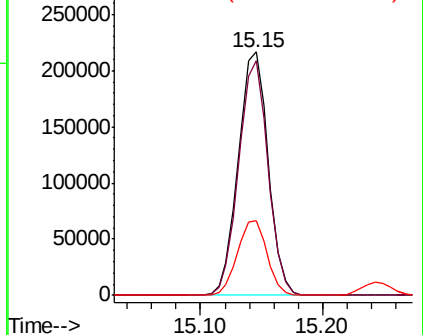


Abundance

Ion 179.80 (179.50 to 180.50): V

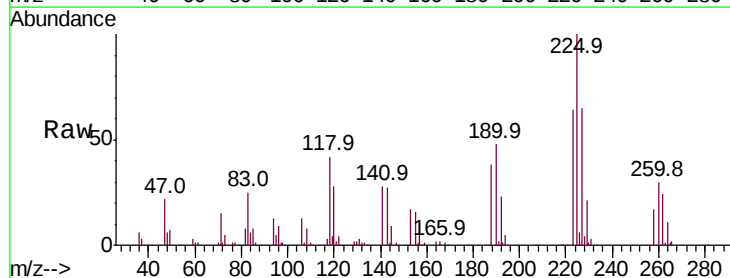
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 102.237 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW005546.D
 Acq: 20 Sep 2018 22:45

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.2	31.1	93.3
227	64.0	31.8	95.3

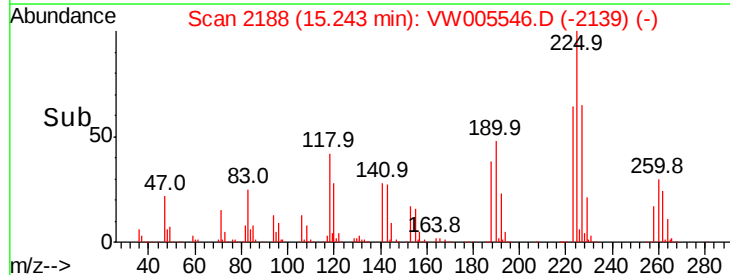
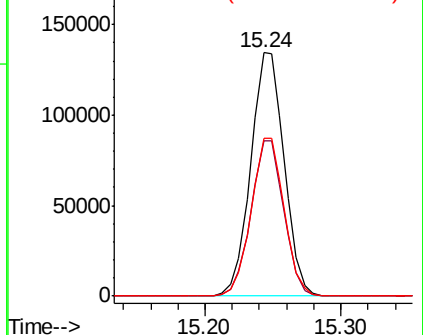


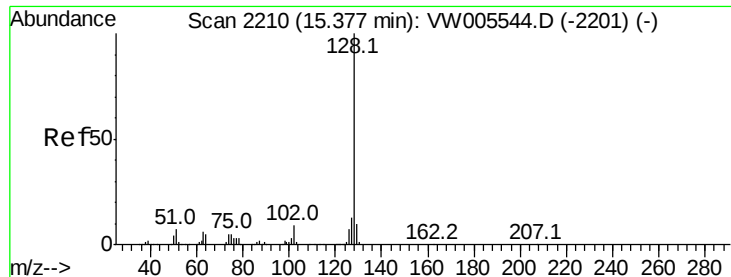
Abundance

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

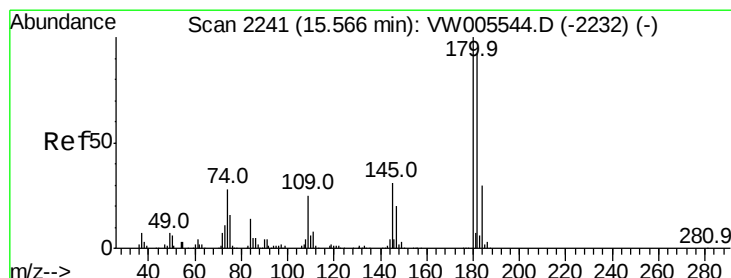
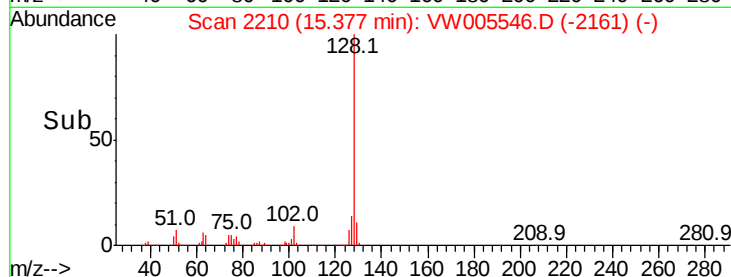
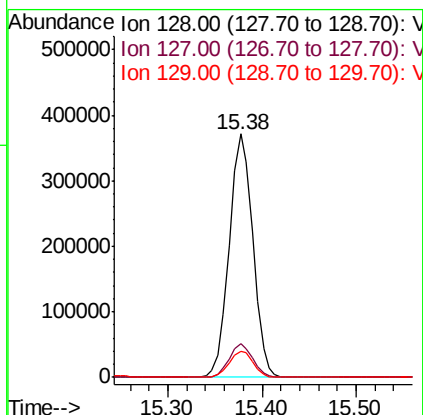
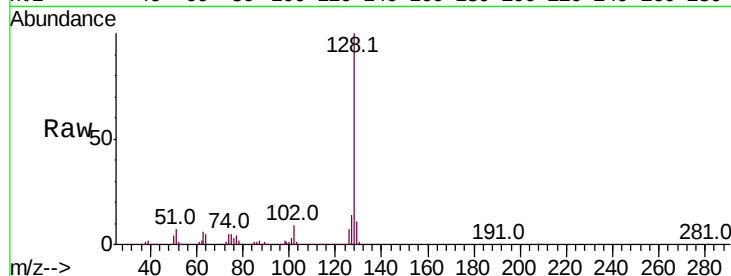




#95
Naphthalene
Concen: 110.692 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. -0.00 min
Lab File: VW005546.D
Acq: 20 Sep 2018 22:45

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:128 Resp: 645375
Ion Ratio Lower Upper
128 100
127 13.7 10.9 16.3
129 10.8 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 104.834 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. -0.00 min
Lab File: VW005546.D
Acq: 20 Sep 2018 22:45

Tgt Ion:180 Resp: 319641
Ion Ratio Lower Upper
180 100
182 95.1 47.3 141.9
145 32.9 16.0 47.9

