

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091118\
 Data File : VW005278.D
 Acq On : 11 Sep 2018 16:19
 Operator : SY/AP
 Sample : J4724-16
 Misc : 5.33G/5ML/MSVOA W/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 11 16:42:12 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 11 03:48:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	389139	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	708994	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	437306	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	912301	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	197608	68.08	ug/l	0.00
Spiked Amount			Recovery	=	136.16%	
35) Dibromofluoromethane	7.89	113	191126	51.46	ug/l	0.00
Spiked Amount			Recovery	=	102.92%	
50) Toluene-d8	10.33	98	926664	49.38	ug/l	0.00
Spiked Amount			Recovery	=	98.76%	
62) 4-Bromofluorobenzene	12.61	95	13864156	2019.68	ug/l	-0.02
Spiked Amount			Recovery	=	4039.36%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.76	94	1045	Below Cal	#	35
8) Diethyl Ether	3.68	74	2378	1.432	ug/l #	23
10) Methyl Iodide	4.29	142	906	3.531	ug/l #	90
11) Tert butyl alcohol	5.21	59	3995	16.784	ug/l #	86
15) Acrylonitrile	5.38	53	1194	1.593	ug/l #	77
16) Acetone	4.14	43	104493	193.959	ug/l	96
17) Carbon Disulfide	4.37	76	89509	8.319	ug/l	100
18) Methyl Acetate	4.68	43	26547	16.507	ug/l	93
20) Methylene Chloride	4.92	84	33070	5.317	ug/l	98
25) 2-Butanone	7.19	43	33640	39.587	ug/l	94
29) Tetrahydrofuran	7.55	42	2068	3.611	ug/l	94
31) Cyclohexane	7.95	56	15407	2.481	ug/l #	40
37) Ethyl Acetate	7.19	43	33640	13.616	ug/l #	66
38) Carbon Tetrachloride	7.95	117	34236	5.627	ug/l #	16
39) Methylcyclohexane	9.34	83	198179	22.979	ug/l	94
41) Methacrylonitrile	7.54	41	1890	1.491	ug/l #	21
43) Isopropyl Acetate	8.43	43	5104	1.112	ug/l #	50
47) Bromodichloromethane	9.62	83	6783	1.232	ug/l #	53
48) Methyl methacrylate	9.48	41	3555	1.492	ug/l #	12
49) 1,4-Dioxane	9.48	88	89	2.117	ug/l #	1
51) 4-Methyl-2-Pentanone	10.33	43	243329	94.244	ug/l #	40
52) Toluene	10.39	92	26613	1.913	ug/l	82
55) 1,1,2-Trichloroethane	10.77	97	2397966	667.969	ug/l #	21
56) Ethyl methacrylate	10.67	69	1756366	385.913	ug/l #	83
58) 2-Chloroethyl Vinyl ether	9.93	63	2517	1.272	ug/l #	77
59) 2-Hexanone	10.96	43	22064637	11854.092	ug/l #	26
60) Dibromochloromethane	11.07	129	47747	11.986	ug/l #	50
61) 1,2-Dibromoethane	11.24	107	14761	4.484	ug/l #	1
64) Tetrachloroethene	10.87	164	135437	41.744	ug/l	97
65) Chlorobenzene	11.79	112	1527353	159.436	ug/l #	42
67) Ethyl Benzene	11.75	91	9096912	545.279	ug/l	99
68) m/p-Xylenes	11.87	106	5169606	768.963	ug/l	94
69) o-Xylene	12.19	106	856414	136.922	ug/l	35
70) Styrene	12.19	104	55331	5.421	ug/l #	1

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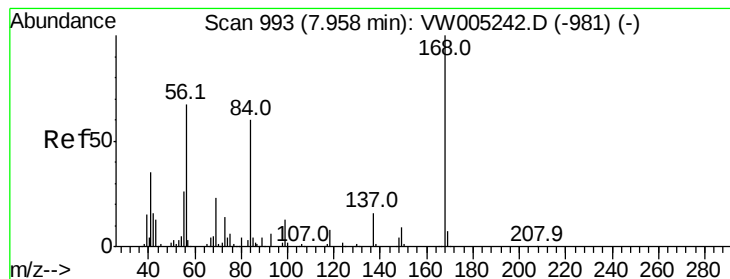
Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 11 16:42:12 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091018S.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

73) Isopropylbenzene	12.49	105	18927156	293.634	uq/l	96
74) N-amyl acetate	12.21	43	2338137	190.650	uq/l #	39
75) 1,1,2,2-Tetrachloroethane	12.73	83	2803419	289.392	uq/l #	26
76) 1,2,3-Trichloropropane	12.73	75	21755	3.100	uq/l #	100
77) Bromobenzene	12.75	156	89501	5.894	uq/l #	1
78) n-propylbenzene	12.73	91	668307	8.633	uq/l #	51
79) 2-Chlorotoluene	12.91	91	5647508	127.212	uq/l #	40
80) 1,3,5-Trimethylbenzene	13.13	105	18539416	337.769	uq/l	87
81) trans-1,4-Dichloro-2-buten	12.49	75	233311	77.978	uq/l #	5
82) 4-Chlorotoluene	12.98	91	5168930	110.771	uq/l #	40
83) tert-Butylbenzene	13.23	119	5054312	105.288	uq/l	92
84) 1,2,4-Trimethylbenzene	13.13	105	18539416	336.125	uq/l	89
85) sec-Butylbenzene	13.40	105	18603103	269.647	uq/l #	46
86) p-Isopropyltoluene	13.52	119	17283675	282.997	uq/l	82
89) n-Butylbenzene	13.84	91	16541734	288.120	uq/l #	71
90) Hexachloroethane	14.11	117	1291332	131.972	uq/l #	5
92) 1,2-Dibromo-3-Chloropropan	14.51	75	4171	2.589	uq/l #	1
95) Naphthalene	15.38	128	442214	13.757	uq/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW005278.D

Acq: 11 Sep 2018 16:19

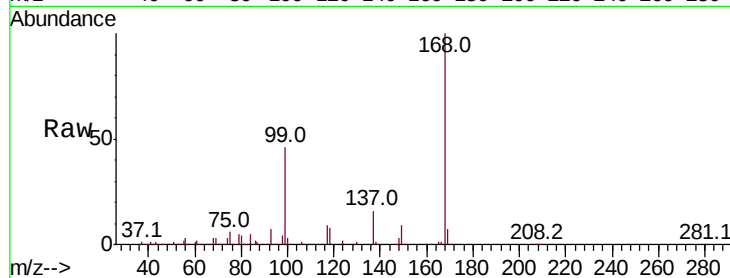
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 389139

Ion Ratio Lower Upper

168 100

99 45.8 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.96

200000

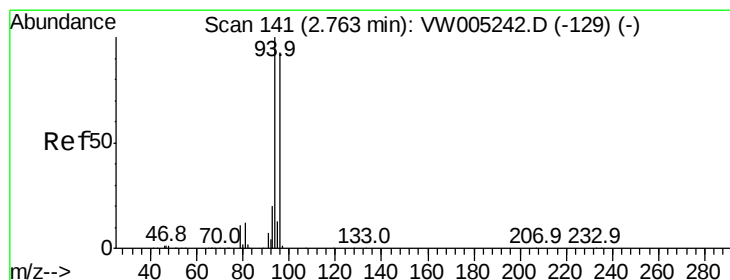
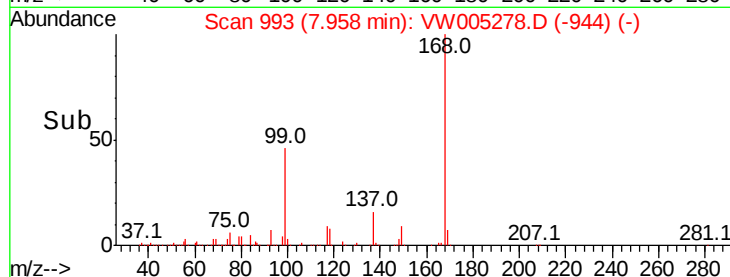
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.76 min Scan# 140

Delta R.T. -0.01 min

Lab File: VW005278.D

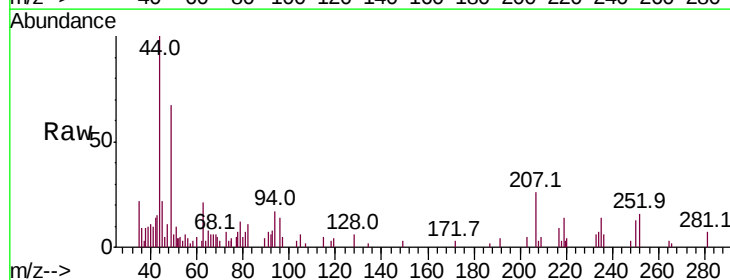
Acq: 11 Sep 2018 16:19

Tgt Ion: 94 Resp: 1045

Ion Ratio Lower Upper

94 100

96 30.8 74.1 111.1#



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW

500

400

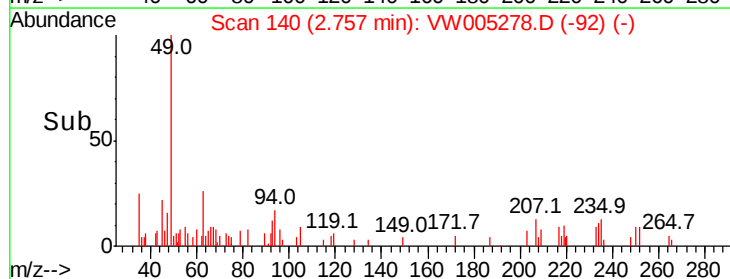
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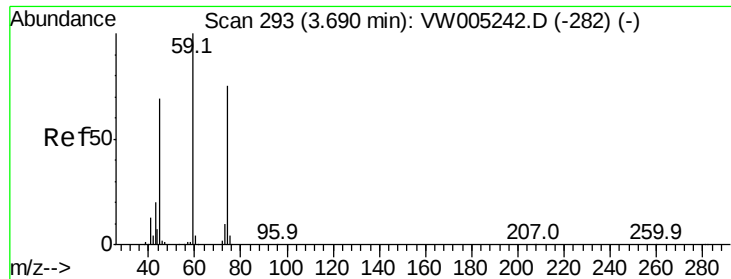
200

100

0

Time-->





#8

Diethyl Ether

Concen: 1.432 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.01 min

Lab File: VW005278.D

Acq: 11 Sep 2018 16:19

Instrument :

MSVOA_W

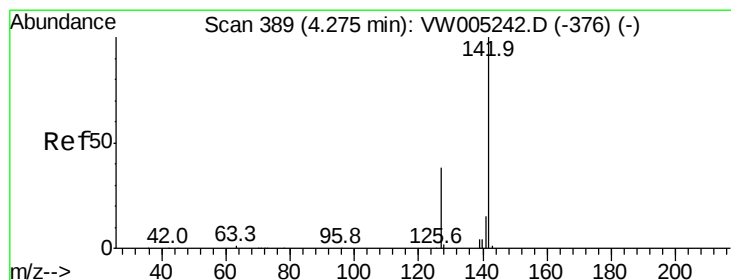
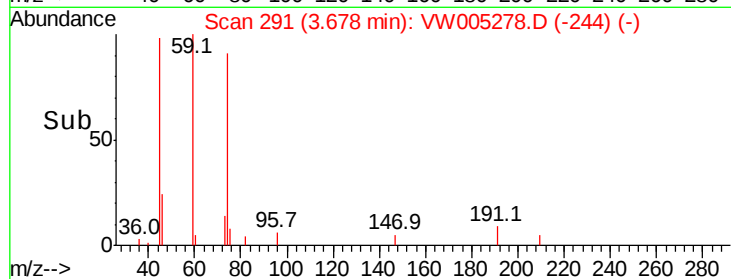
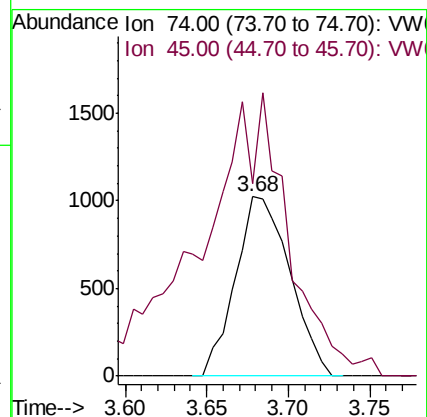
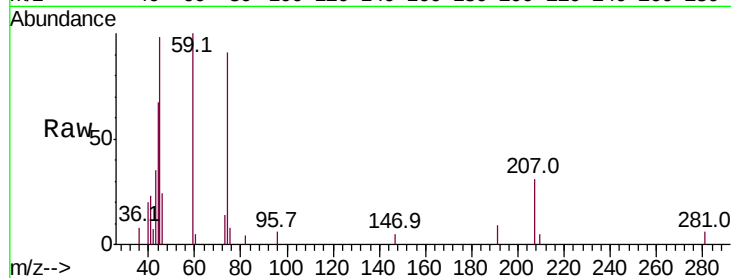
ClientSampleId :

Tot Ion: 74 Resp: 2378

Ion Ratio Lower Upper

74 100

45 163.0 45.1 135.3#



#10

Methyl Iodide

Concen: 3.531 ug/l

RT: 4.29 min Scan# 391

Delta R.T. 0.01 min

Lab File: VW005278.D

Acq: 11 Sep 2018 16:19

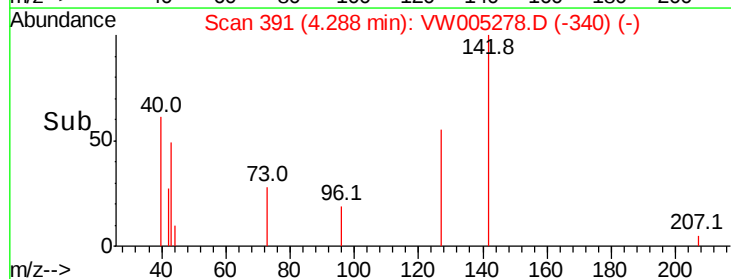
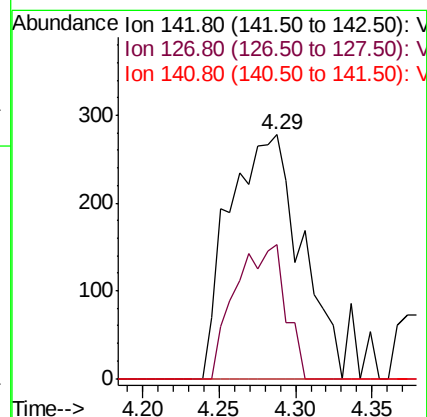
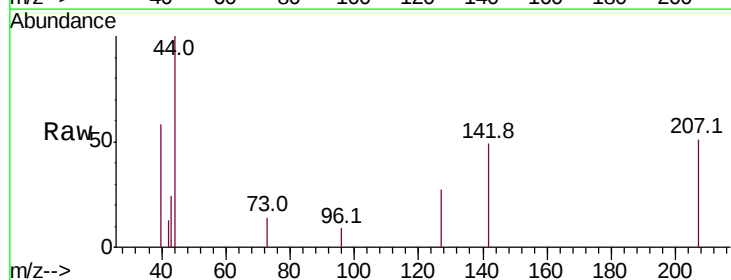
Tgt Ion: 142 Resp: 906

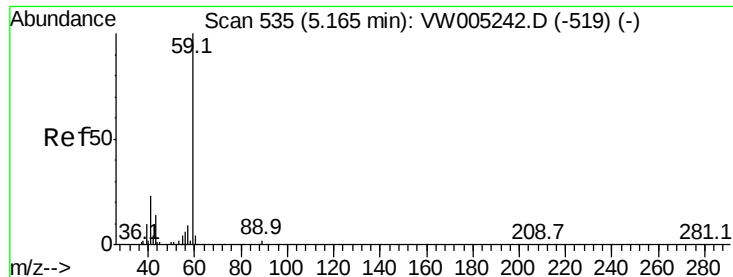
Ion Ratio Lower Upper

142 100

127 38.4 30.3 45.5

141 0.0 11.4 17.0#



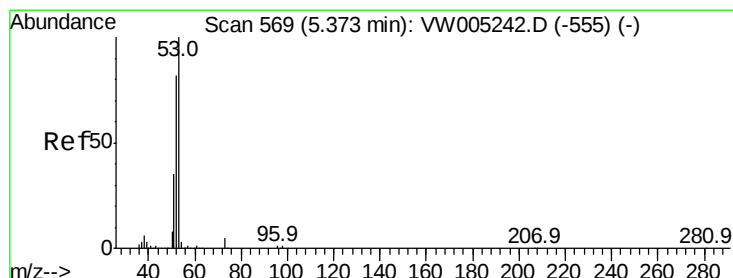
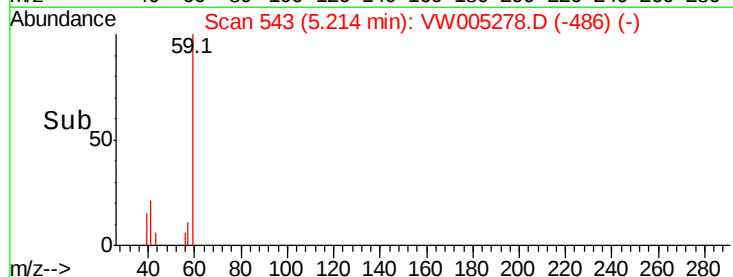
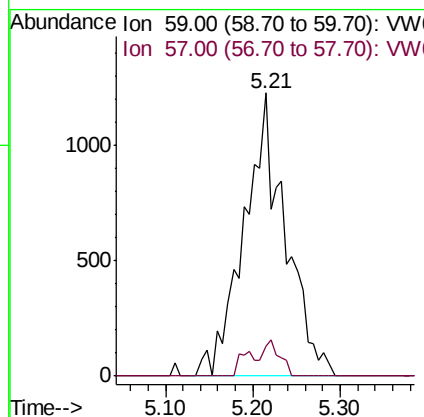
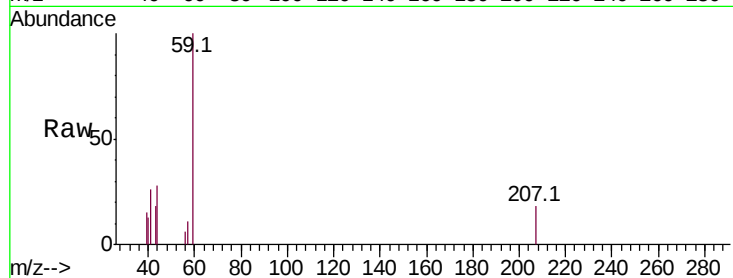


#11

Tert butyl alcohol
 Concen: 16.784 ug/l
 RT: 5.21 min Scan# 543
 Delta R.T. 0.05 min
 Lab File: VW005278.D
 Acq: 11 Sep 2018 16:19

Instrument :
 MSVOA_W
 ClientSampled :

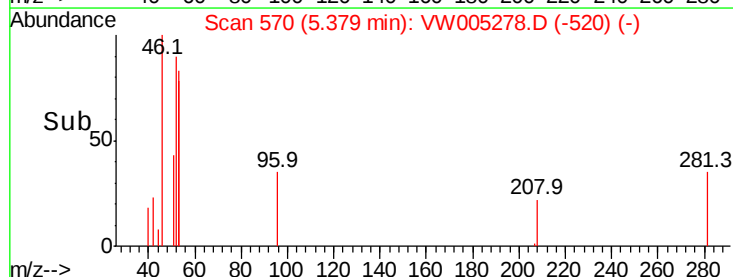
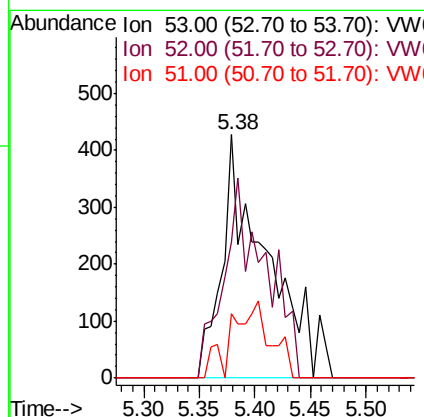
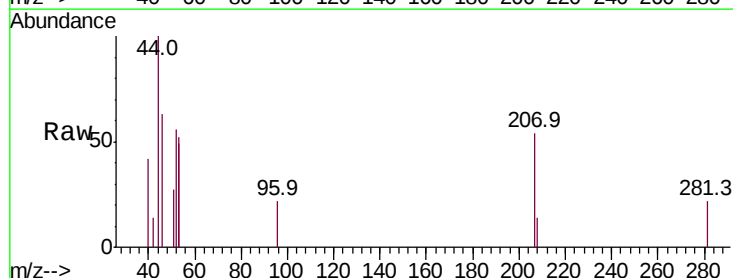
Tot Ion: 59 Resp: 3995
 Ion Ratio Lower Upper
 59 100
 57 4.8 8.1 12.1#

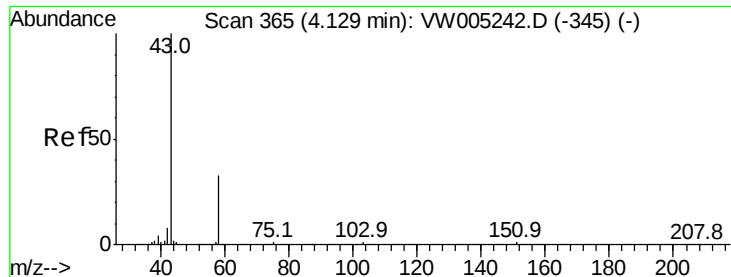


#15

Acrylonitrile
 Concen: 1.593 ug/l
 RT: 5.38 min Scan# 570
 Delta R.T. 0.01 min
 Lab File: VW005278.D
 Acq: 11 Sep 2018 16:19

Tgt Ion: 53 Resp: 1194
 Ion Ratio Lower Upper
 53 100
 52 77.1 66.0 99.0
 51 0.0 28.6 43.0#

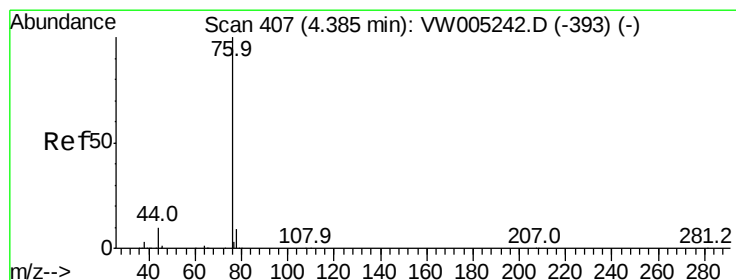
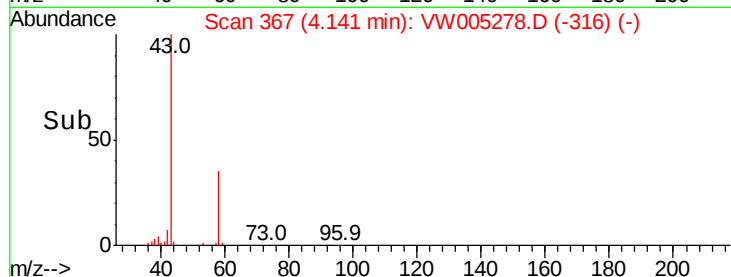
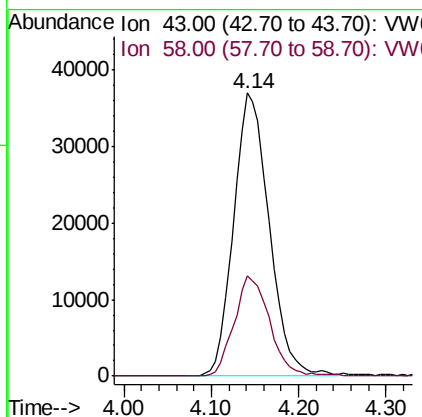
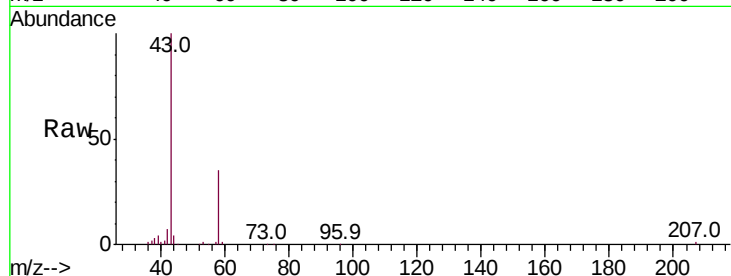




#16
Acetone
Concen: 193.959 ug/l
RT: 4.14 min Scan# 367
Delta R.T. 0.01 min
Lab File: VW005278.D
Acq: 11 Sep 2018 16:19

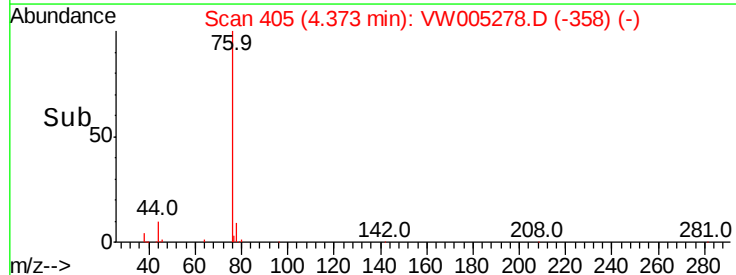
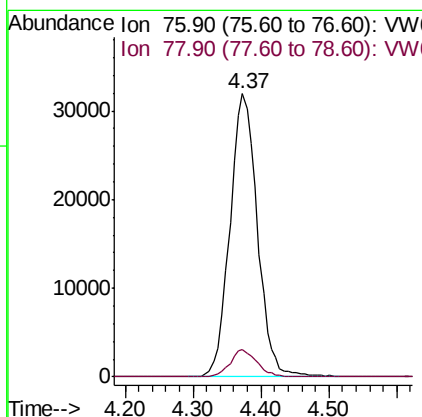
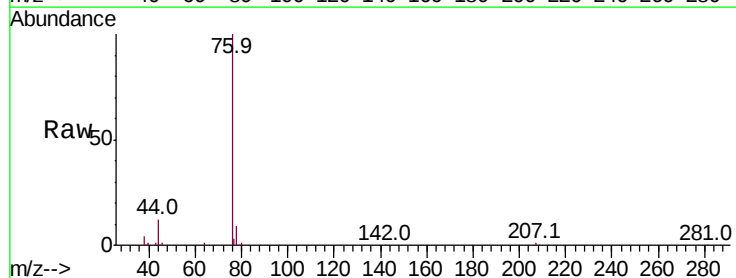
Instrument :
MSVOA_W
ClientSampled :

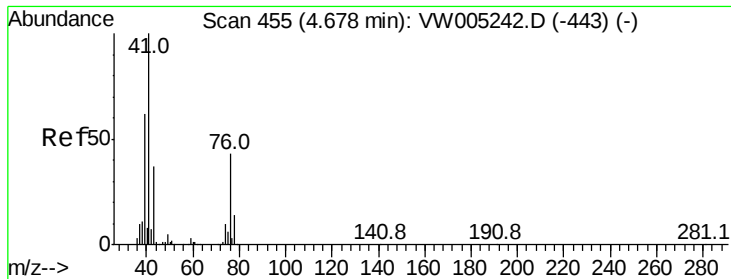
Tot Ion: 43 Resp: 104493
Ion Ratio Lower Upper
43 100
58 35.5 26.7 40.1



#17
Carbon Disulfide
Concen: 8.319 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.01 min
Lab File: VW005278.D
Acq: 11 Sep 2018 16:19

Tgt Ion: 76 Resp: 89509
Ion Ratio Lower Upper
76 100
78 9.5 7.5 11.3

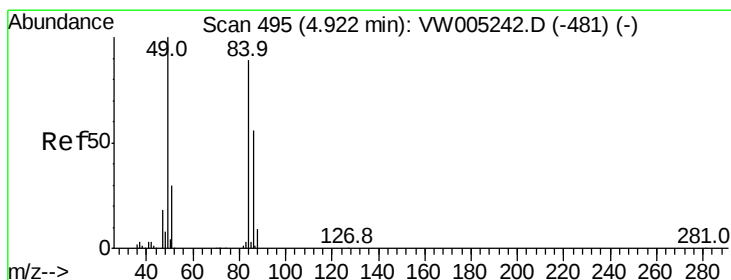
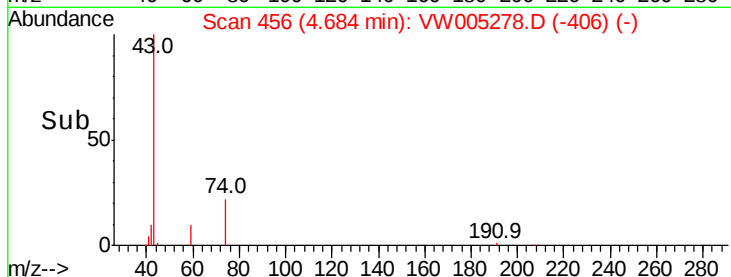
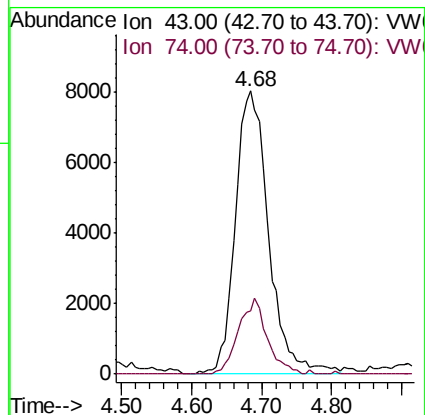
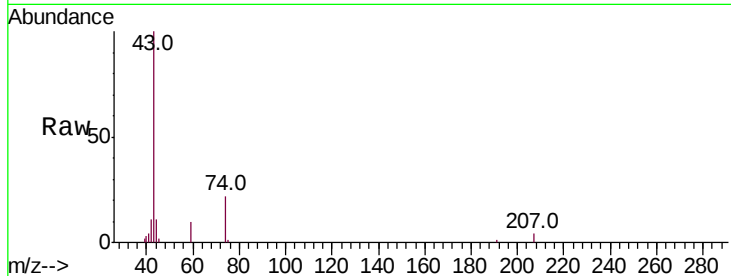




#18
Methvl Acetate
Concen: 16.507 ug/l
RT: 4.68 min Scan# 456
Delta R.T. 0.01 min
Lab File: VW005278.D
Acq: 11 Sep 2018 16:19

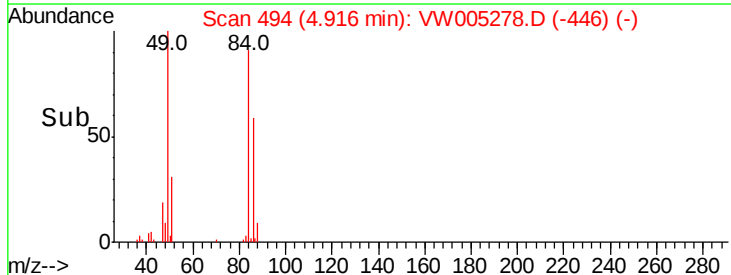
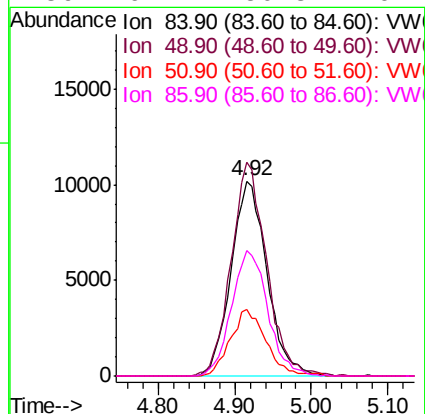
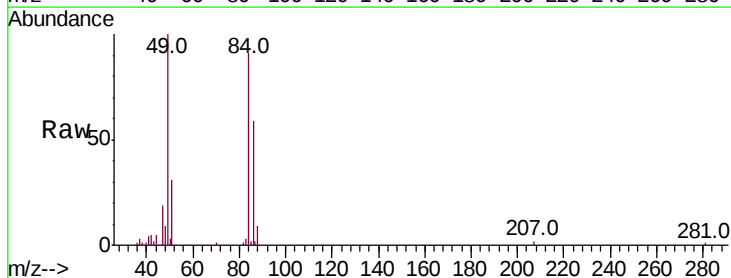
Instrument :
MSVOA_W
ClientSampled :

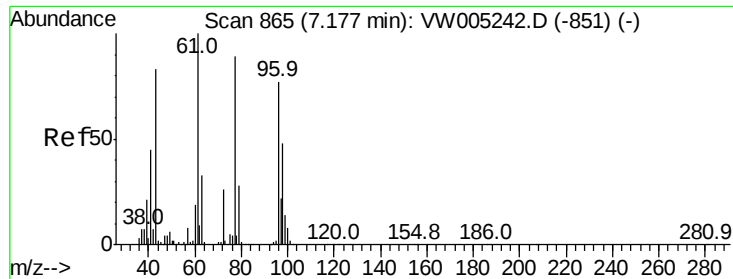
Tot Ion: 43 Resp: 26547
Ion Ratio Lower Upper
43 100
74 23.0 21.4 32.2



#20
Methylene Chloride
Concen: 5.317 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW005278.D
Acq: 11 Sep 2018 16:19

Tgt Ion: 84 Resp: 33070
Ion Ratio Lower Upper
84 100
49 109.8 90.3 135.5
51 34.4 26.9 40.3
86 64.7 50.8 76.2





#25

2-Butanone

Concen: 39.587 ug/l

RT: 7.19 min Scan# 867

Delta R.T. 0.01 min

Lab File: VW005278.D

Acq: 11 Sep 2018 16:19

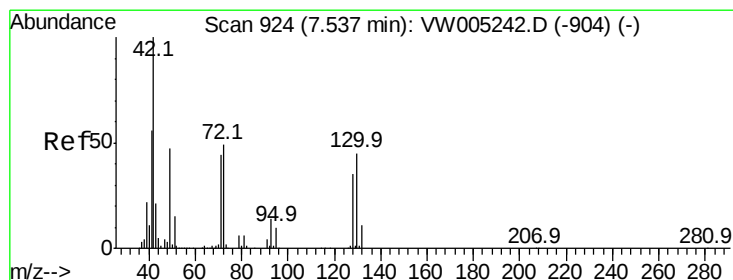
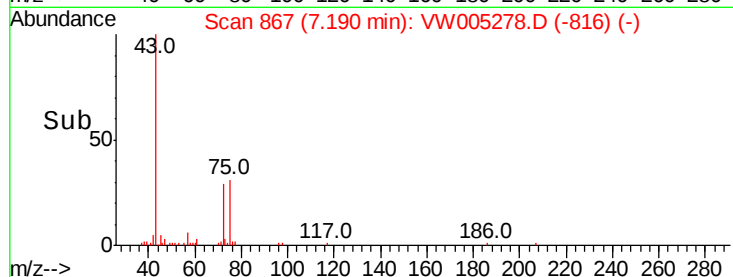
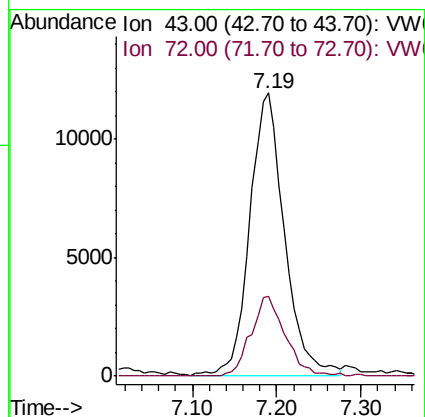
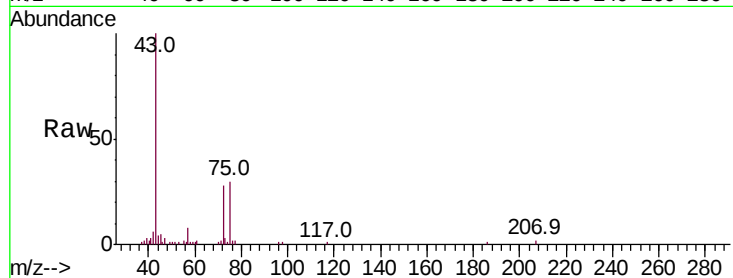
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 33640

Ion Ratio Lower Upper

43 100

72 28.2 25.0 37.6



#29

Tetrahydrofuran

Concen: 3.611 ug/l

RT: 7.55 min Scan# 926

Delta R.T. 0.01 min

Lab File: VW005278.D

Acq: 11 Sep 2018 16:19

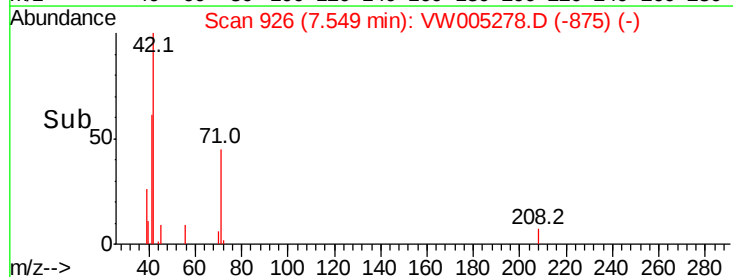
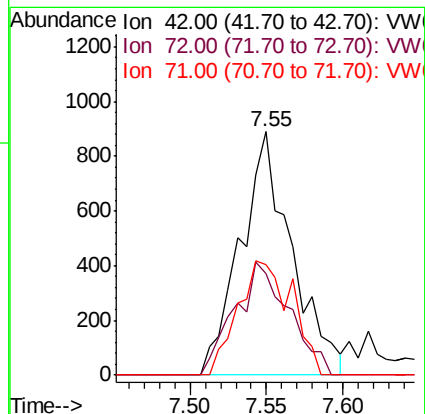
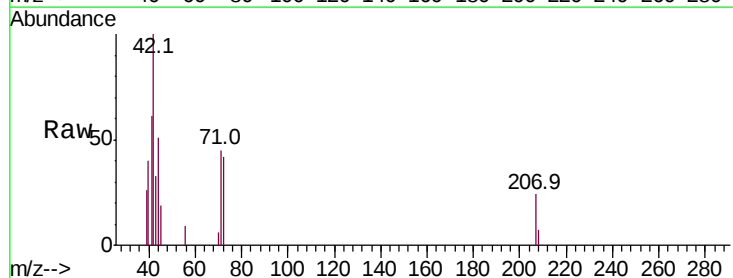
Tgt Ion: 42 Resp: 2068

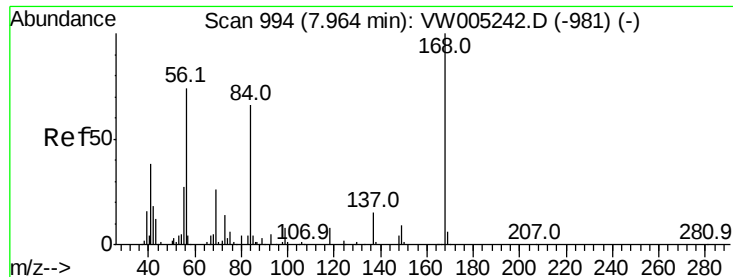
Ion Ratio Lower Upper

42 100

72 49.0 37.5 56.3

71 49.1 34.8 52.2

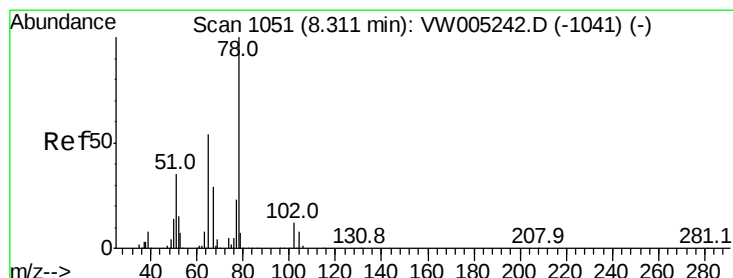
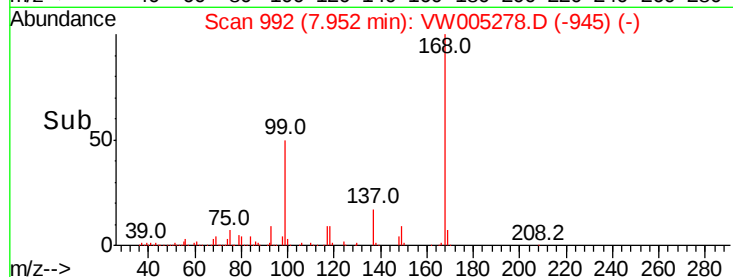
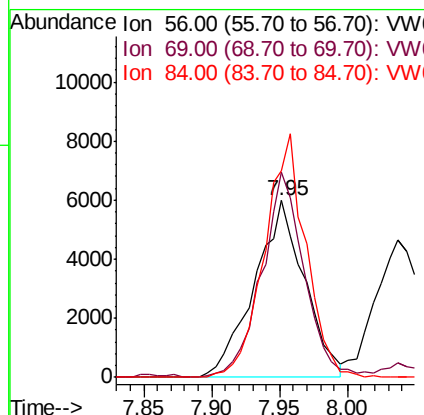
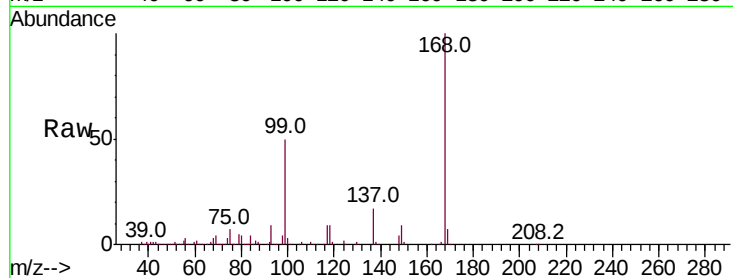




#31
Cyclohexane
Concen: 2.481 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW005278.D
Acq: 11 Sep 2018 16:19

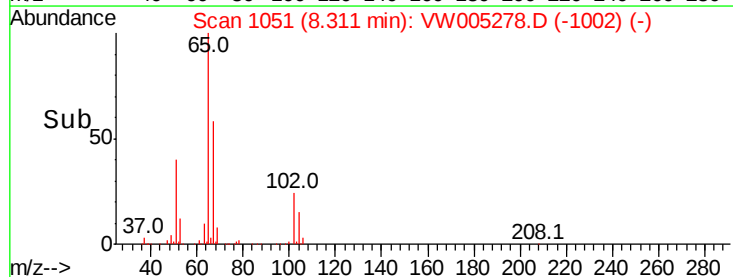
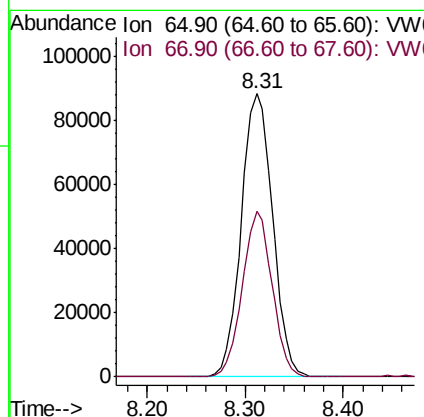
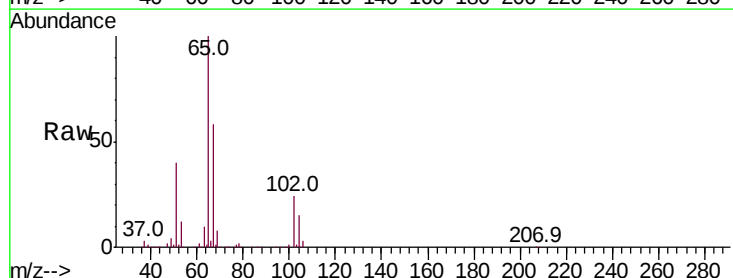
Instrument :
MSVOA_W
ClientSampleId :

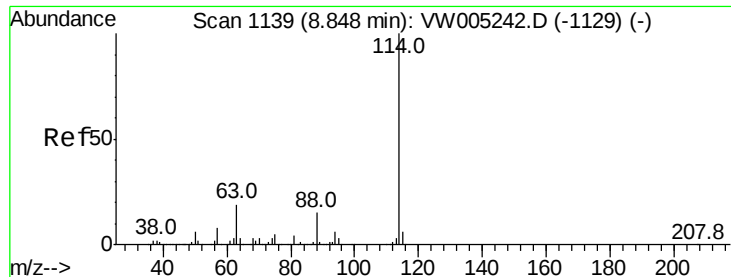
Tot Ion: 56 Resp: 15407
Ion Ratio Lower Upper
56 100
69 116.2 27.8 41.8#
84 116.8 72.1 108.1#



#33
1,2-Dichloroethane-d4
Concen: 68.084 ug/l
RT: 8.31 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VW005278.D
Acq: 11 Sep 2018 16:19

Tgt Ion: 65 Resp: 197608
Ion Ratio Lower Upper
65 100
67 55.4 0.0 112.2

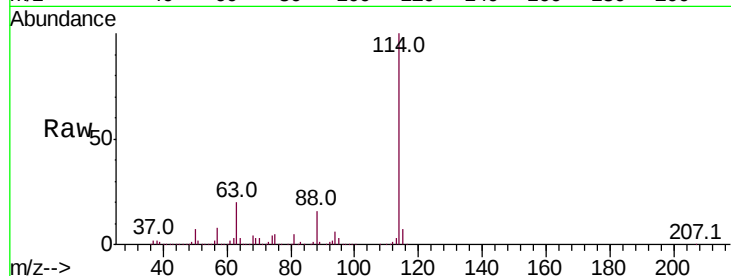




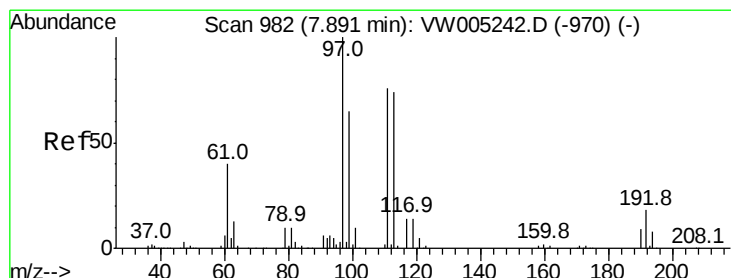
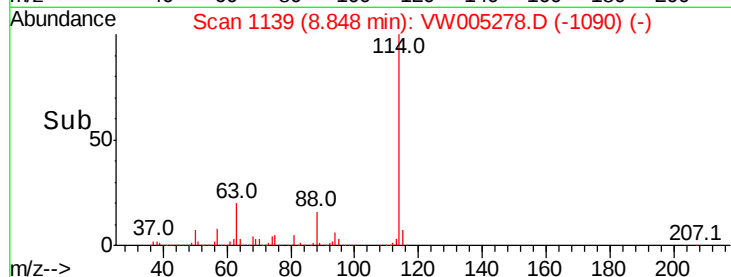
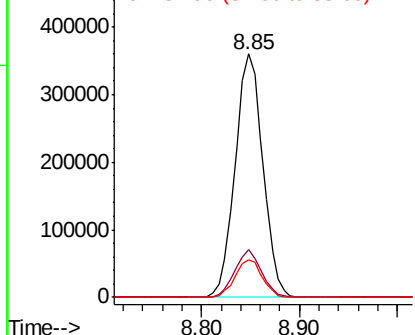
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.00 min
 Lab File: VW005278.D
 Acq: 11 Sep 2018 16:19

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	19.6	0.0	37.0
88	15.6	0.0	30.4

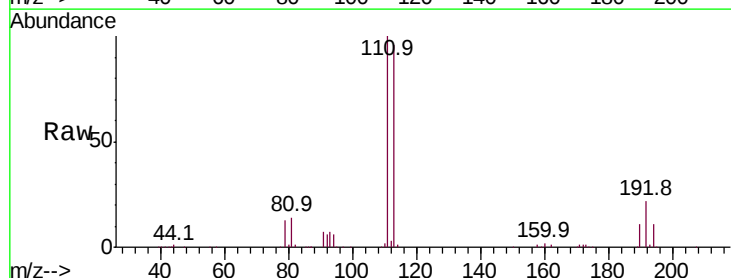


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

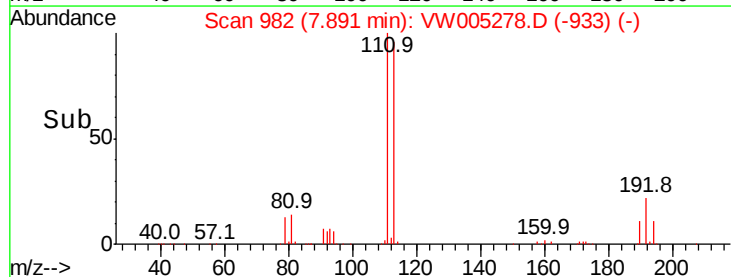
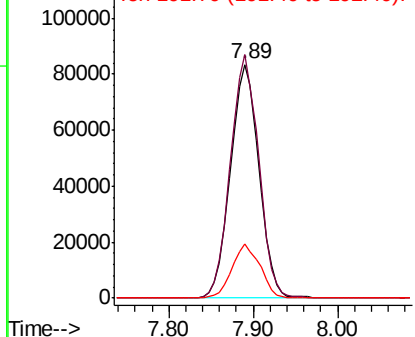


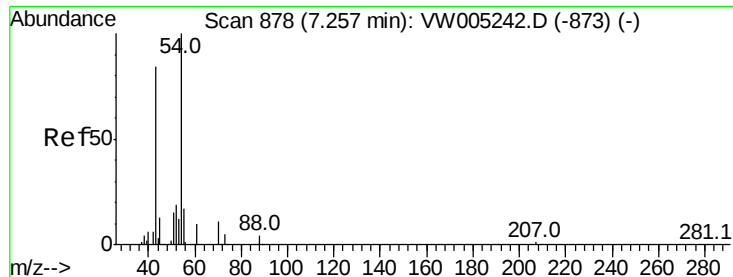
#35
 Dibromofluoromethane
 Concen: 51.462 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. 0.00 min
 Lab File: VW005278.D
 Acq: 11 Sep 2018 16:19

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.6	80.6	121.0
192	22.9	18.3	27.5



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

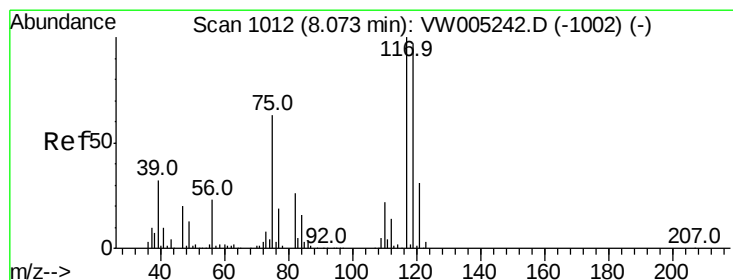
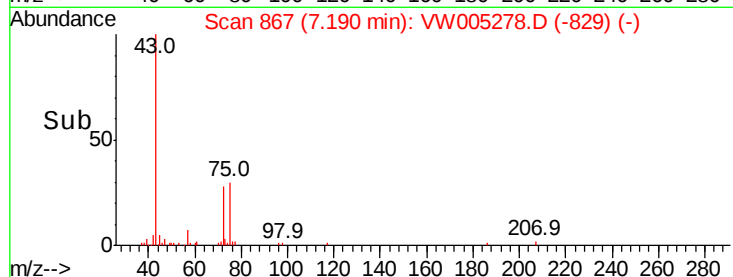
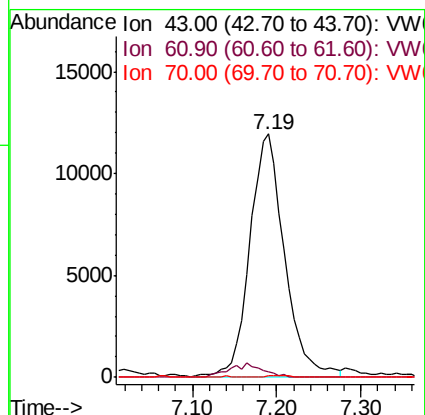
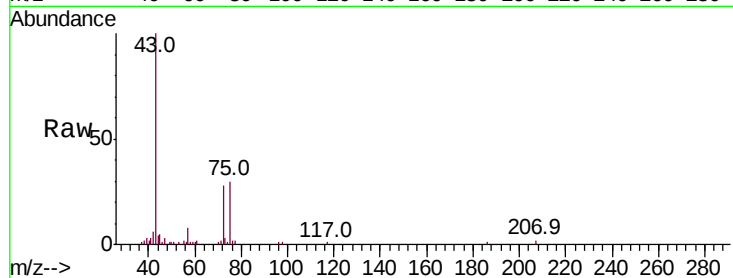




#37
Ethyl Acetate
Concen: 13.616 ug/l
RT: 7.19 min Scan# 867
Delta R.T. -0.07 min
Lab File: VW005278.D
Acq: 11 Sep 2018 16:19

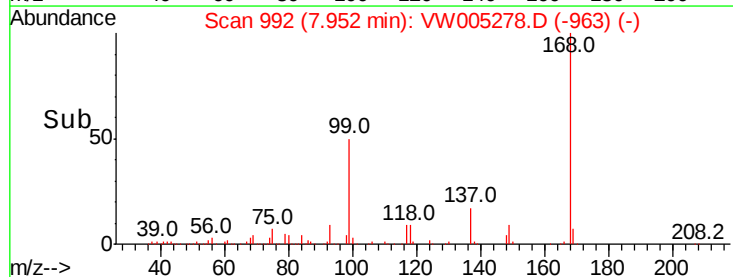
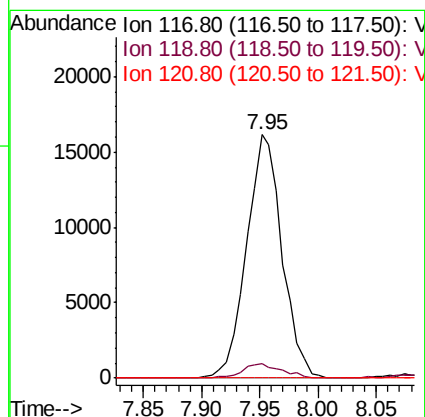
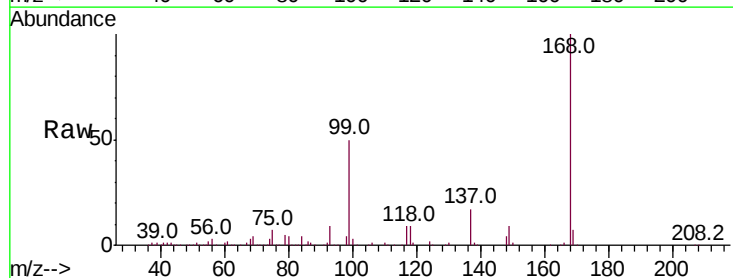
Instrument :
MSVOA_W
ClientSampleId :

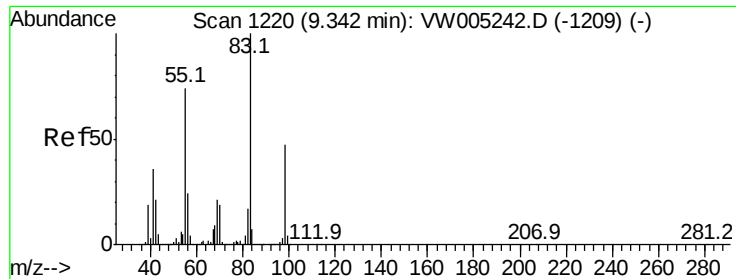
Tot Ion: 43 Resp: 33640
Ion Ratio Lower Upper
43 100
61 0.0 12.3 18.5#
70 0.2 9.5 14.3#



#38
Carbon Tetrachloride
Concen: 5.627 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW005278.D
Acq: 11 Sep 2018 16:19

Tgt Ion: 117 Resp: 34236
Ion Ratio Lower Upper
117 100
119 5.7 77.5 116.3#
121 0.0 24.7 37.1#

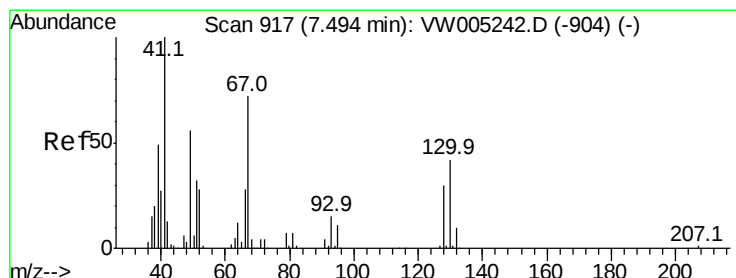
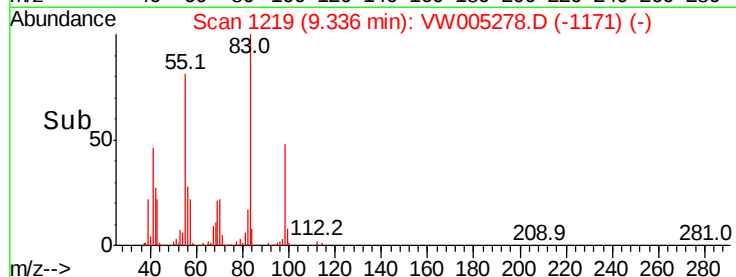
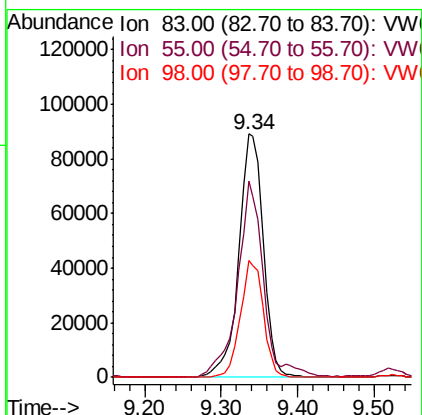
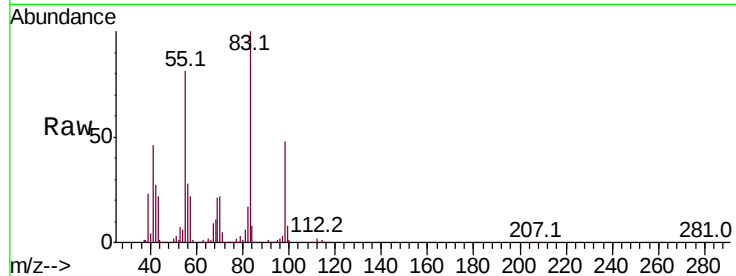




#39
Methylcyclohexane
Concen: 22.979 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.01 min
Lab File: VW005278.D
Acq: 11 Sep 2018 16:19

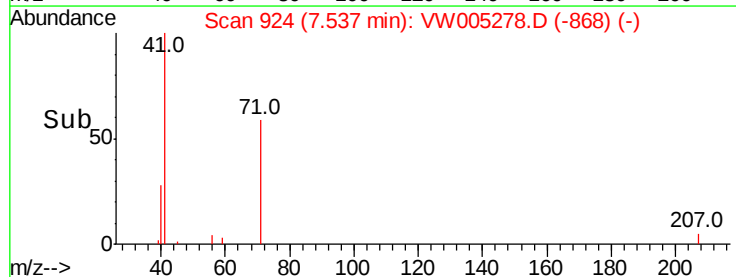
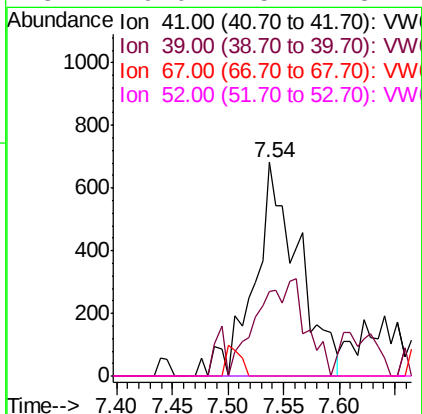
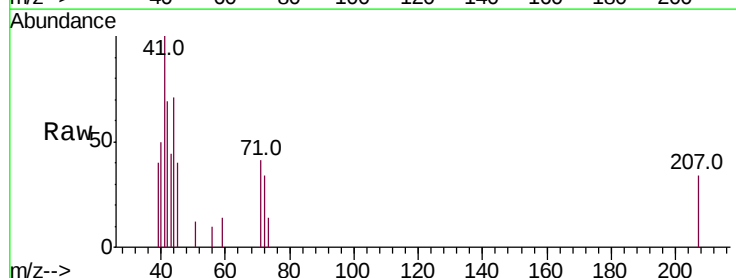
Instrument :
MSVOA_W
ClientSampleId :

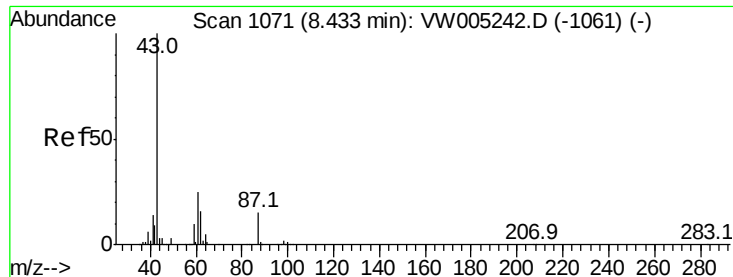
Tot Ion: 83 Resp: 198179
Ion Ratio Lower Upper
83 100
55 80.7 58.9 88.3
98 48.2 37.6 56.4



#41
Methacrylonitrile
Concen: 1.491 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.04 min
Lab File: VW005278.D
Acq: 11 Sep 2018 16:19

Tgt Ion: 41 Resp: 1890
Ion Ratio Lower Upper
41 100
39 0.0 39.9 59.9#
67 0.0 65.7 98.5#
52 0.0 25.1 37.7#





#43

Isopropyl Acetate

Concen: 1.112 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.01 min

Lab File: VW005278.D

Acq: 11 Sep 2018 16:19

Instrument :

MSVOA_W

ClientSampleId :

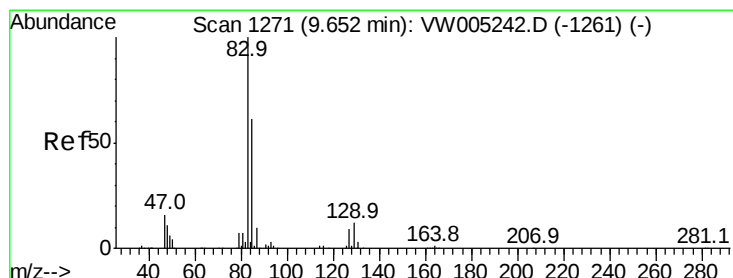
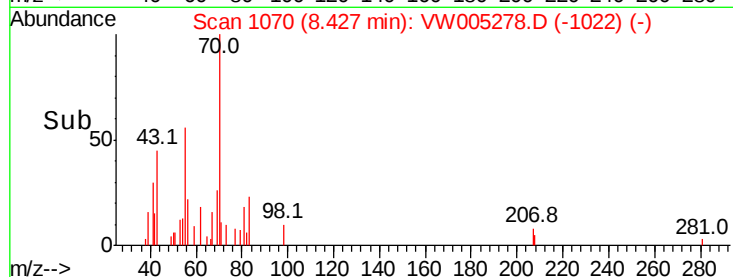
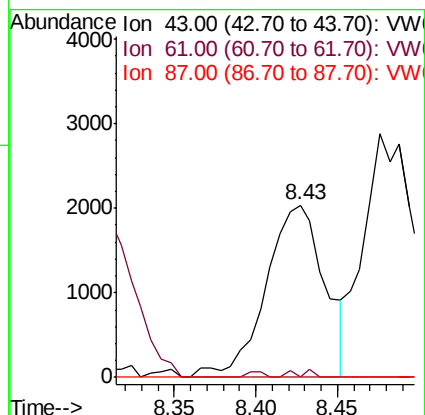
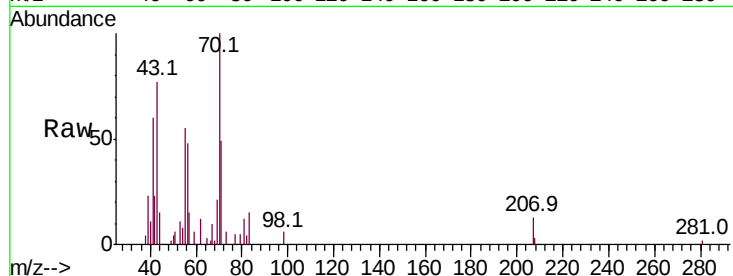
Tot Ion: 43 Resp: 5104

Ion Ratio Lower Upper

43 100

61 0.0 25.4 38.0#

87 0.0 11.9 17.9#



#47

Bromodichloromethane

Concen: 1.232 ug/l

RT: 9.62 min Scan# 1265

Delta R.T. -0.04 min

Lab File: VW005278.D

Acq: 11 Sep 2018 16:19

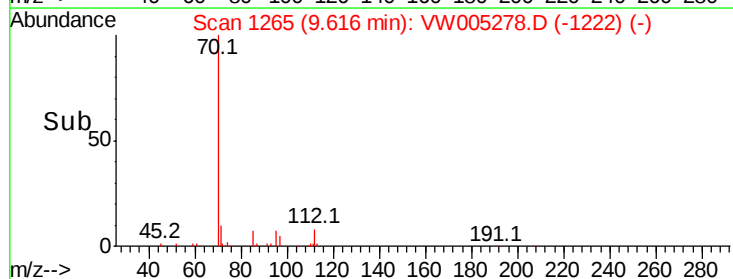
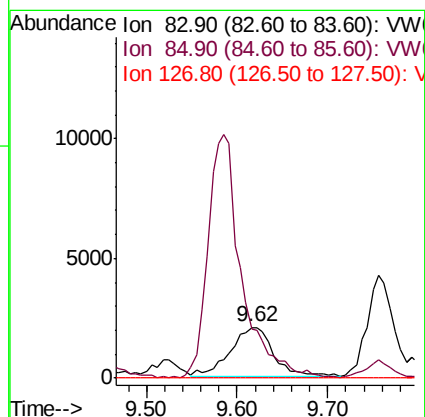
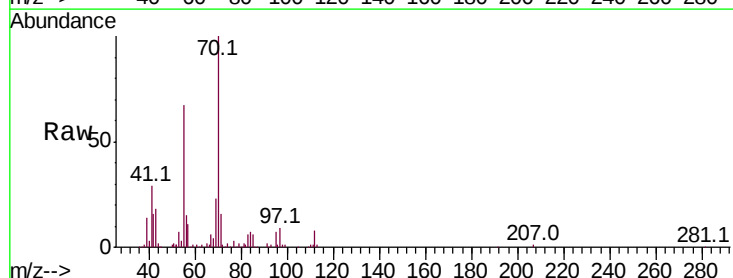
Tgt Ion: 83 Resp: 6783

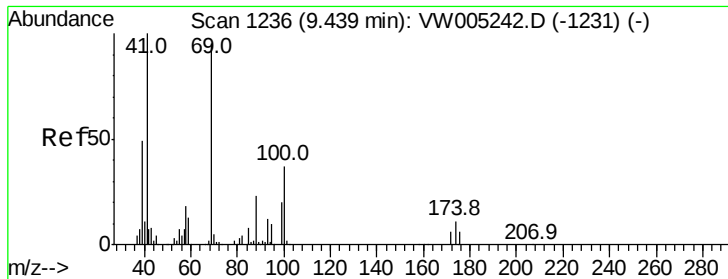
Ion Ratio Lower Upper

83 100

85 100.1 49.0 73.6#

127 0.0 7.0 10.4#





#48

Methyl methacrylate

Concen: 1.492 ug/l

RT: 9.48 min Scan# 1242

Delta R.T. 0.04 min

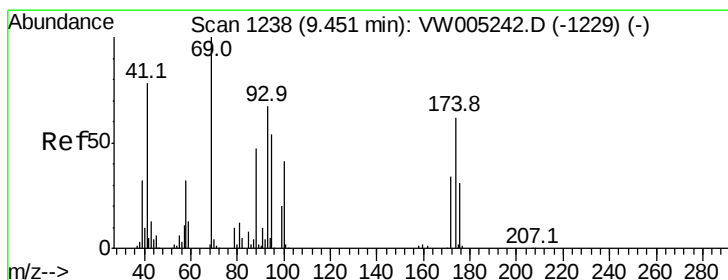
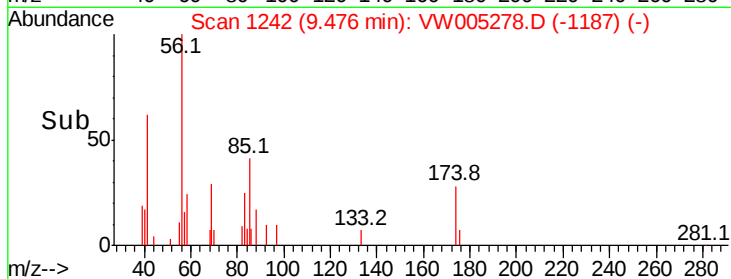
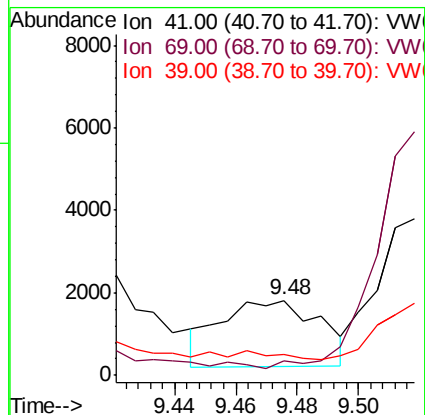
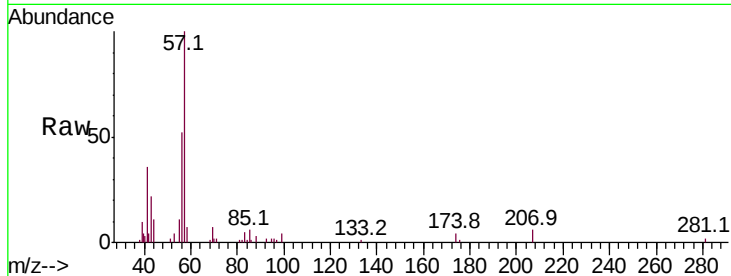
Lab File: VW005278.D

Acq: 11 Sep 2018 16:19

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 41 Resp: 3555

Ion	Ratio	Lower	Upper
41	100		
69	0.0	74.6	112.0#
39	0.0	36.7	55.1#



#49

1,4-Dioxane

Concen: 2.117 ug/l

RT: 9.48 min Scan# 1242

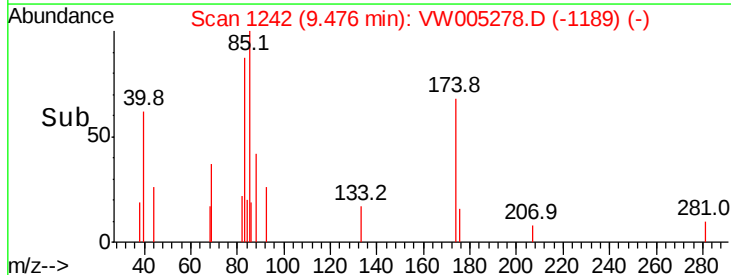
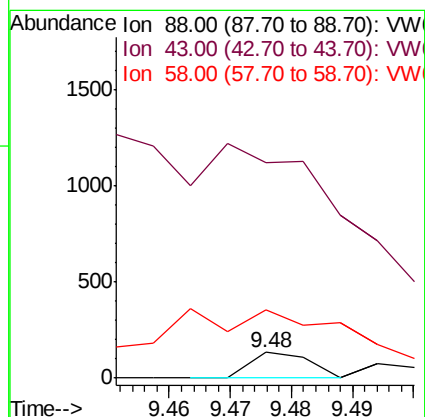
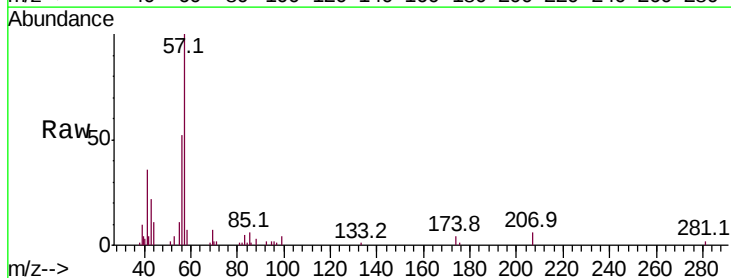
Delta R.T. 0.02 min

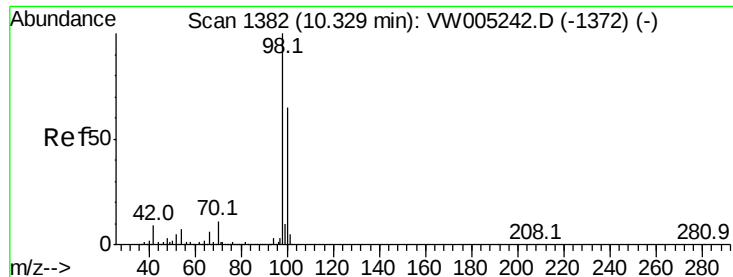
Lab File: VW005278.D

Acq: 11 Sep 2018 16:19

Tgt Ion: 88 Resp: 89

Ion	Ratio	Lower	Upper
88	100		
43	0.0	22.7	34.1#
58	914.6	56.6	85.0#





#50

Toluene-d8

Concen: 49.377 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VW005278.D

Acq: 11 Sep 2018 16:19

Instrument :

MSVOA_W

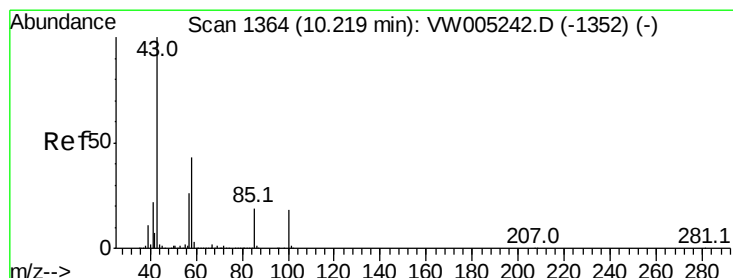
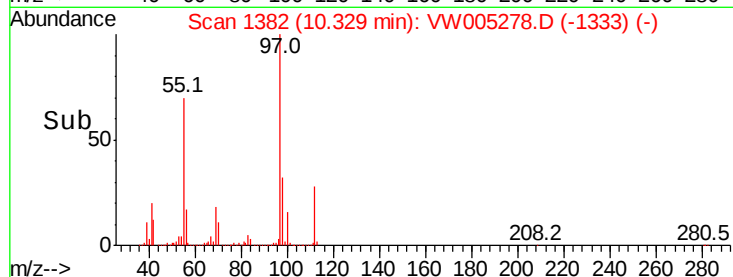
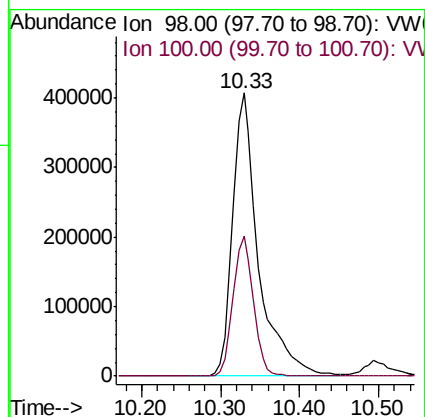
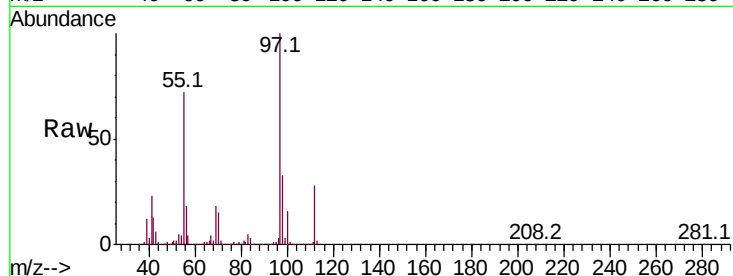
ClientSampleId :

Tot Ion: 98 Resp: 926664

Ion Ratio Lower Upper

98 100

100 39.0 52.0 78.0#



#51

4-Methyl-2-Pentanone

Concen: 94.244 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.11 min

Lab File: VW005278.D

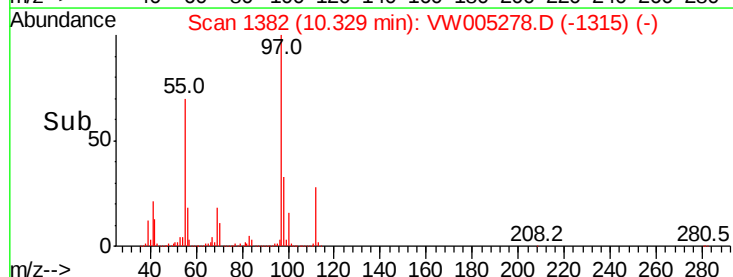
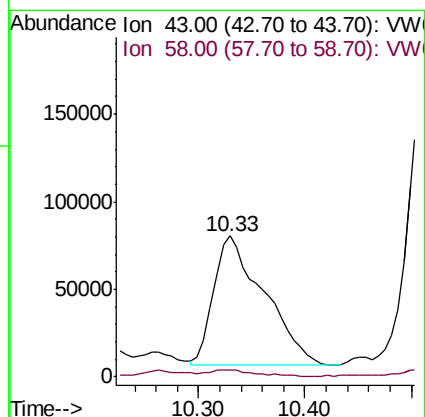
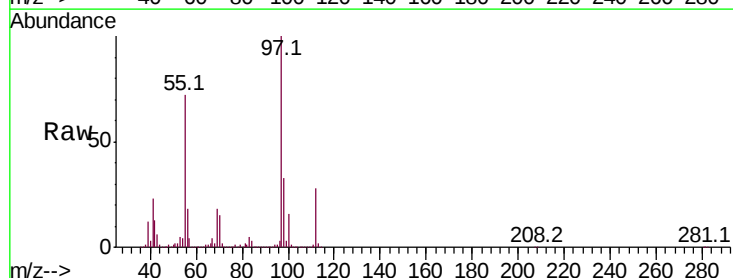
Acq: 11 Sep 2018 16:19

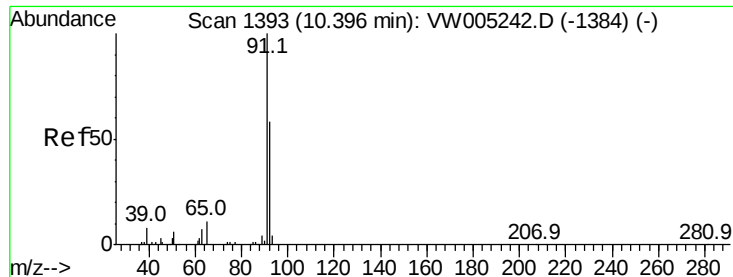
Tgt Ion: 43 Resp: 243329

Ion Ratio Lower Upper

43 100

58 4.4 33.8 50.6#





#52

Toluene

Concen: 1.913 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.01 min

Lab File: VW005278.D

Acq: 11 Sep 2018 16:19

Instrument :

MSVOA_W

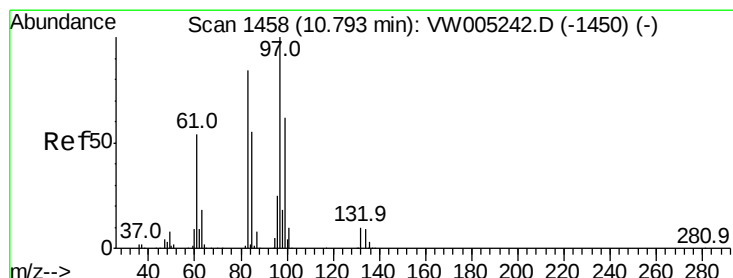
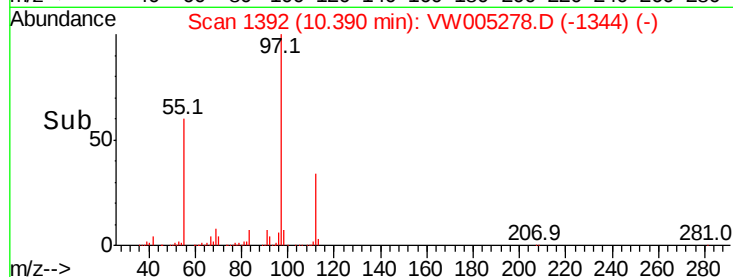
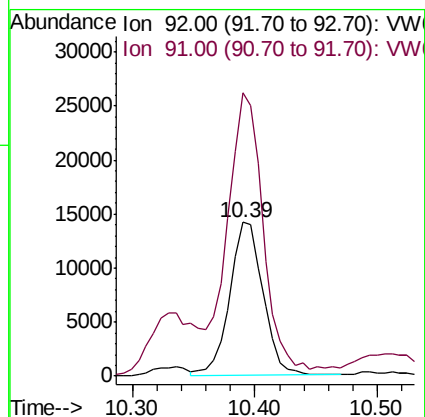
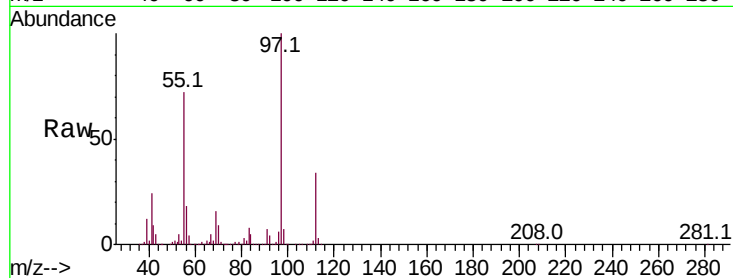
ClientSampled :

Tot Ion: 92 Resp: 26613

Ion Ratio Lower Upper

92 100

91 196.6 137.4 206.0



#55

1,1,2-Trichloroethane

Concen: 667.969 ug/l

RT: 10.77 min Scan# 1454

Delta R.T. -0.02 min

Lab File: VW005278.D

Acq: 11 Sep 2018 16:19

Tgt Ion: 97 Resp: 2397966

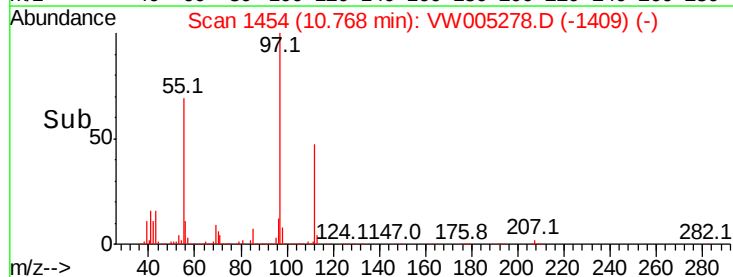
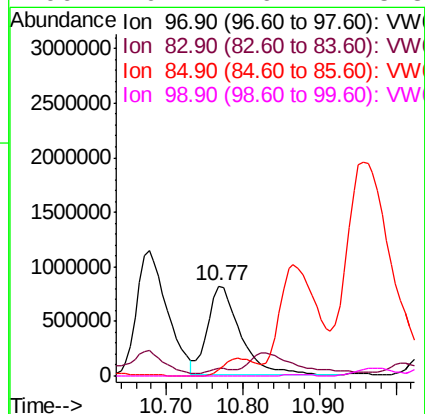
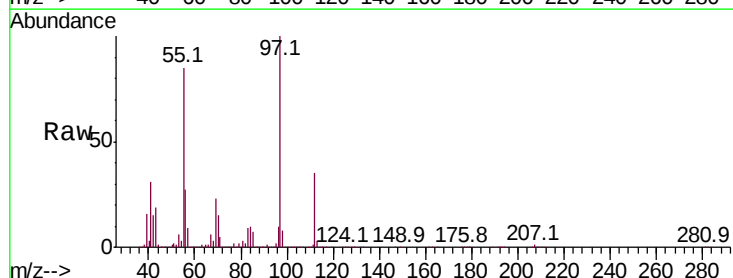
Ion Ratio Lower Upper

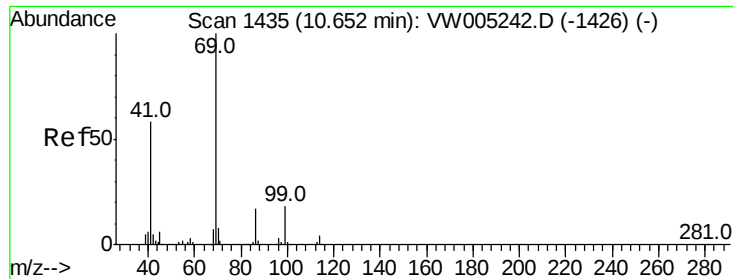
97 100

83 5.9 67.2 100.8#

85 6.8 44.4 66.6#

99 0.1 49.2 73.8#





#56

Ethyl methacrylate

Concen: 385.913 ug/l

RT: 10.67 min Scan# 1438

Delta R.T. 0.02 min

Lab File: VW005278.D

Acq: 11 Sep 2018 16:19

Instrument :

MSVOA_W

ClientSampled :

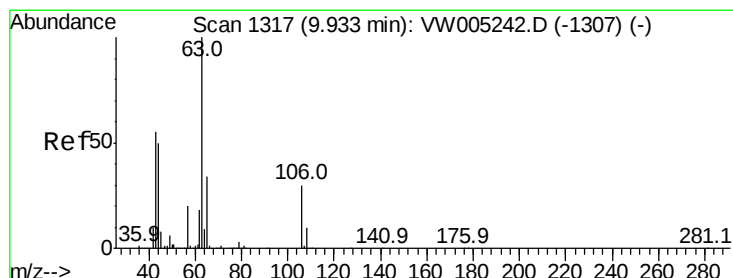
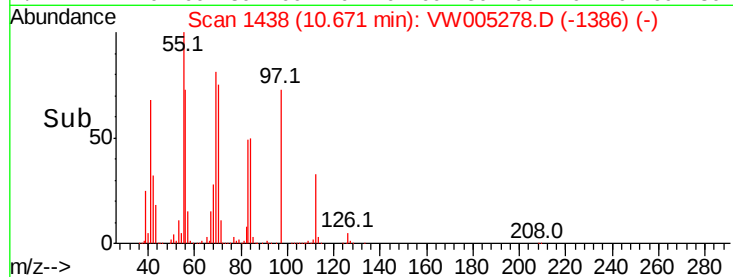
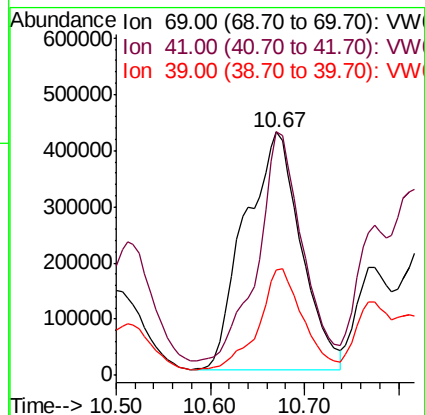
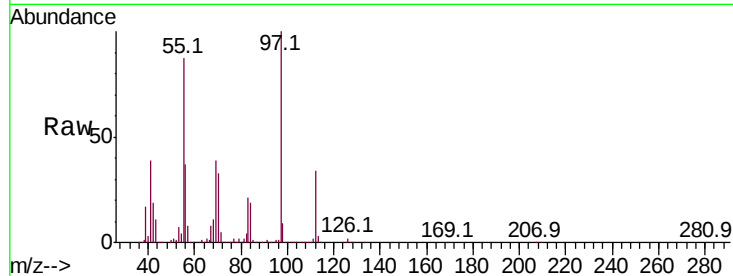
Tot Ion: 69 Resp: 1756366

Ion Ratio Lower Upper

69 100

41 75.0 48.7 73.1#

39 33.2 20.9 31.3#



#58

2-Chloroethyl Vinyl ether

Concen: 1.272 ug/l

RT: 9.93 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VW005278.D

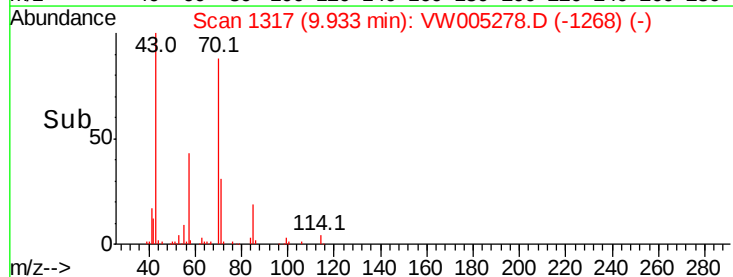
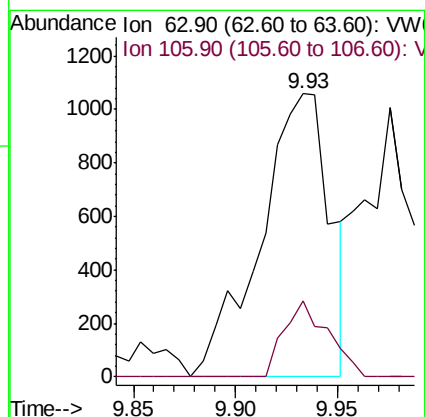
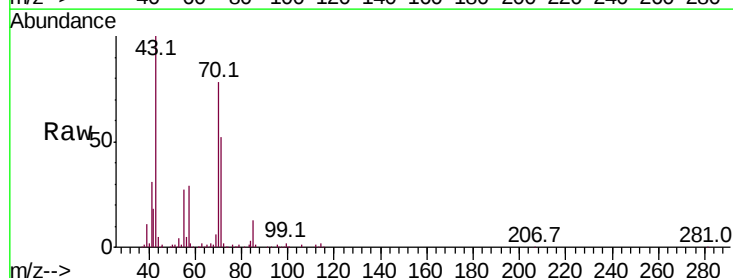
Acq: 11 Sep 2018 16:19

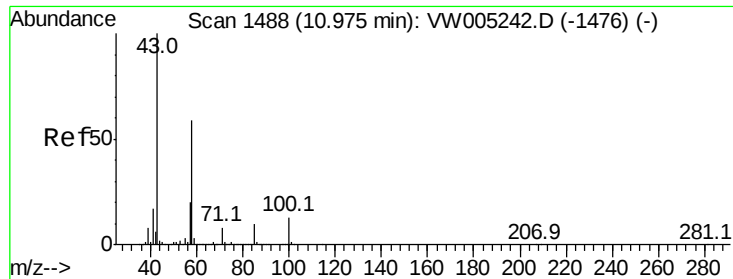
Tgt Ion: 63 Resp: 2517

Ion Ratio Lower Upper

63 100

106 17.0 23.4 35.0#

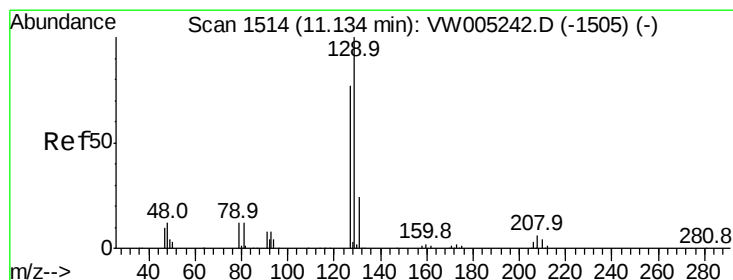
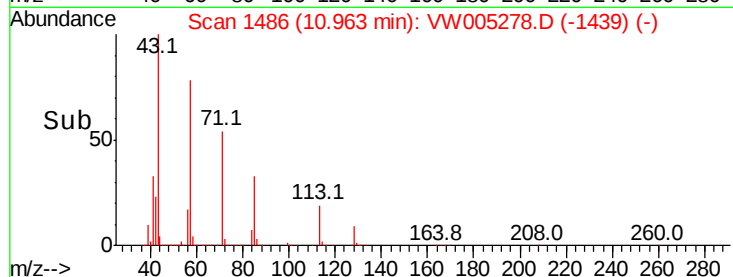
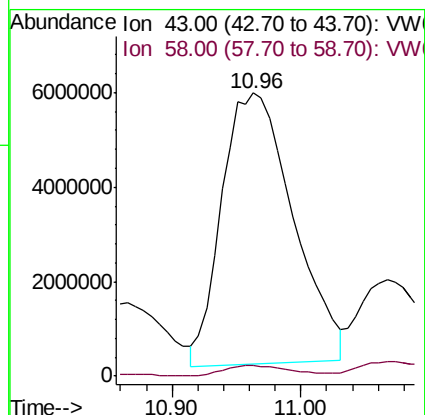
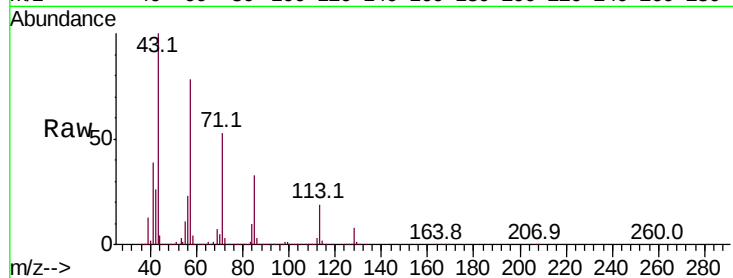




#59
2-Hexanone
Concen: 11854.092 ug/l
RT: 10.96 min Scan# 1486
Delta R.T. -0.01 min
Lab File: VW005278.D
Acq: 11 Sep 2018 16:19

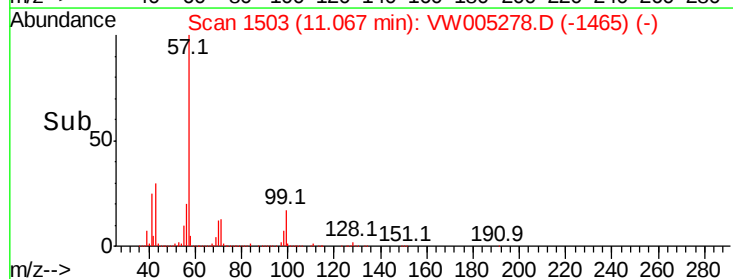
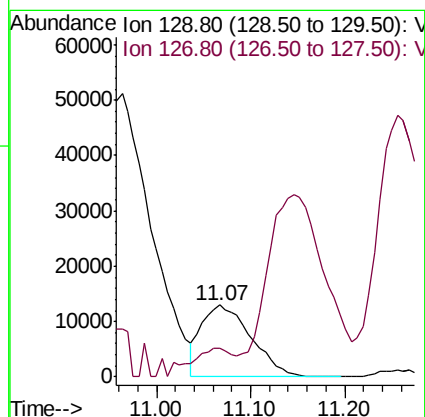
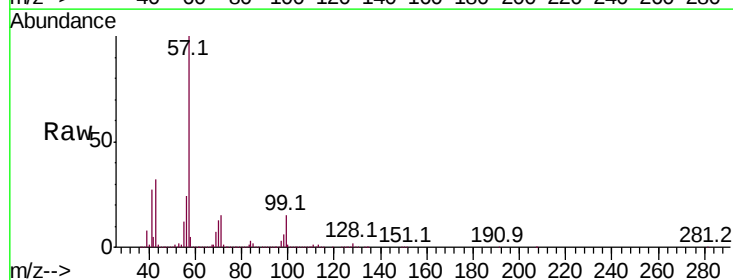
Instrument :
MSVOA_W
ClientSampleId :

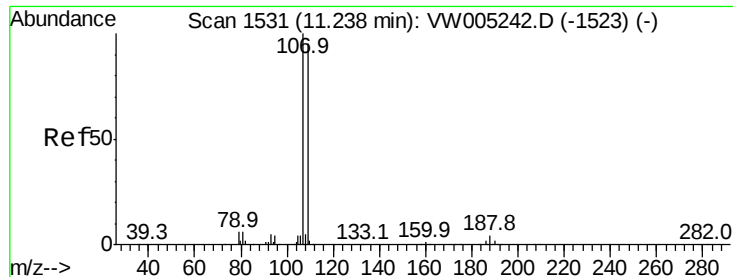
Tot Ion: 43 Resp: 22064637
Ion Ratio Lower Upper
43 100
58 3.4 29.3 87.9#



#60
Dibromochloromethane
Concen: 11.986 ug/l
RT: 11.07 min Scan# 1503
Delta R.T. -0.07 min
Lab File: VW005278.D
Acq: 11 Sep 2018 16:19

Tgt Ion: 129 Resp: 47747
Ion Ratio Lower Upper
129 100
127 34.3 39.0 117.0#

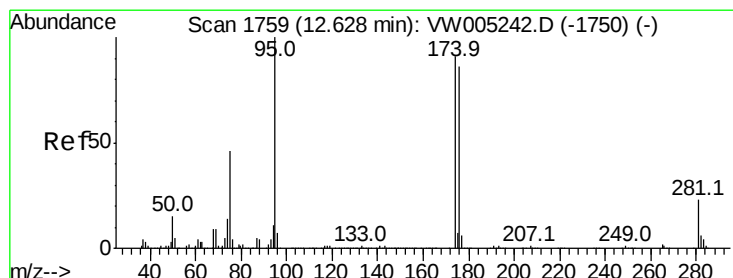
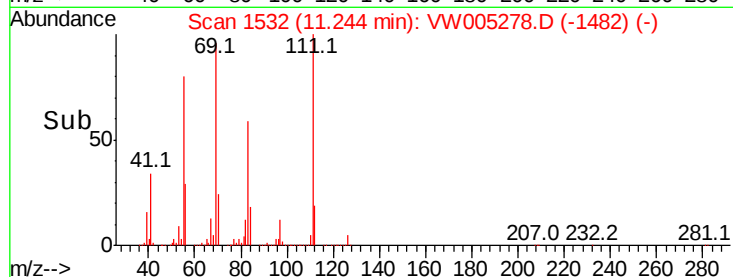
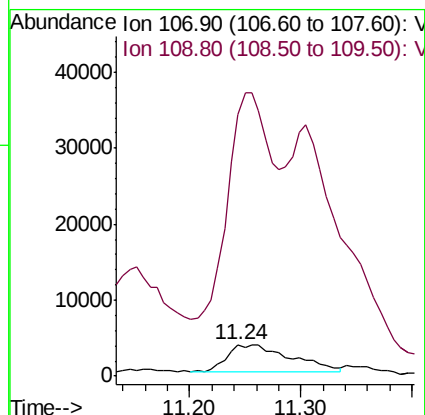
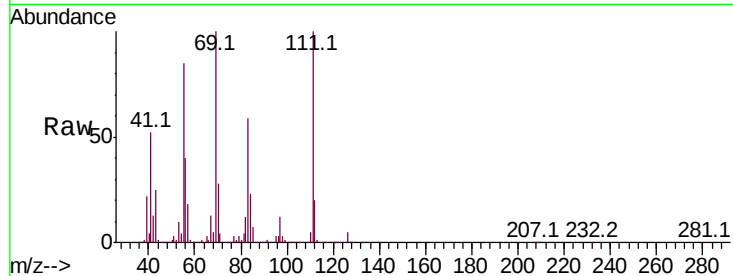




#61
 1,2-Dibromoethane
 Concen: 4.484 ug/l
 RT: 11.24 min Scan# 1532
 Delta R.T. 0.01 min
 Lab File: VW005278.D
 Acq: 11 Sep 2018 16:19

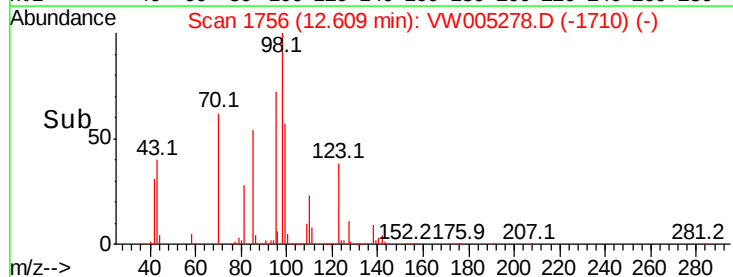
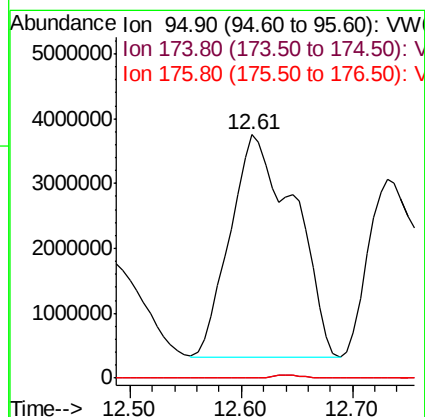
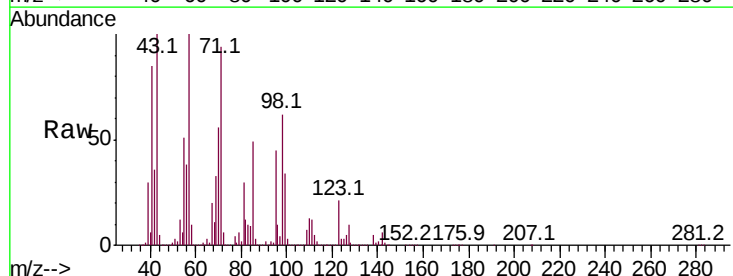
Instrument :
 MSVOA_W
 ClientSampleId :

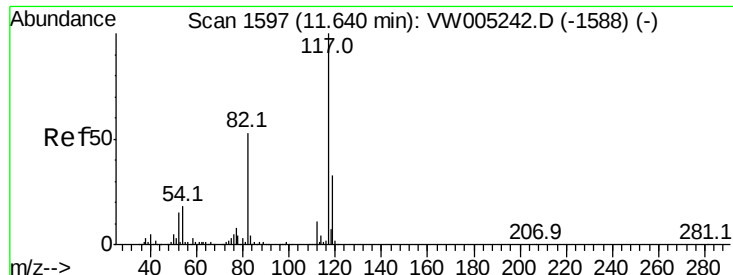
Tot Ion:107 Resp: 14761
 Ion Ratio Lower Upper
 107 100
 109 541.7 75.7 113.5#



#62
 4-Bromofluorobenzene
 Concen: 2019.676 ug/l
 RT: 12.61 min Scan# 1756
 Delta R.T. -0.02 min
 Lab File: VW005278.D
 Acq: 11 Sep 2018 16:19

Tgt Ion: 95 Resp:13864156
 Ion Ratio Lower Upper
 95 100
 174 0.0 0.0 174.6
 176 0.0 0.0 167.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.64 min Scan# 1597

Delta R.T. 0.00 min

Lab File: VW005278.D

Acq: 11 Sep 2018 16:19

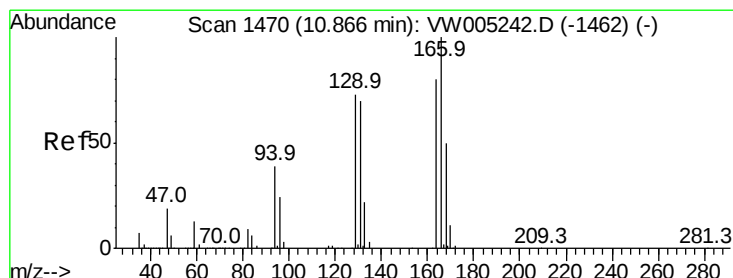
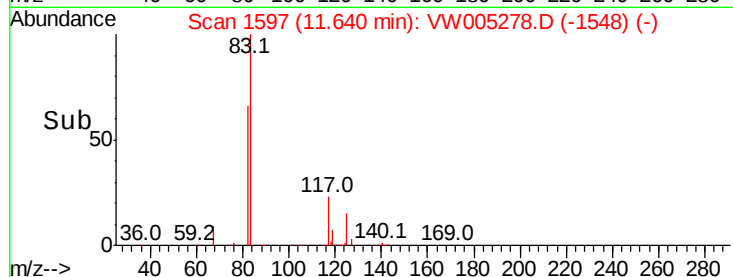
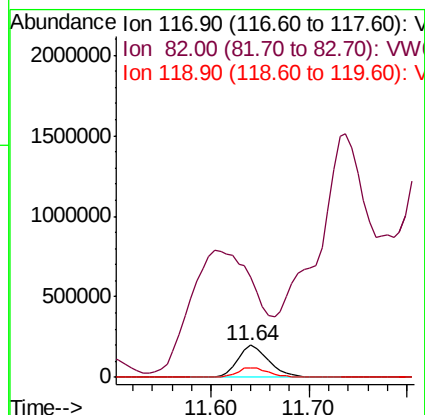
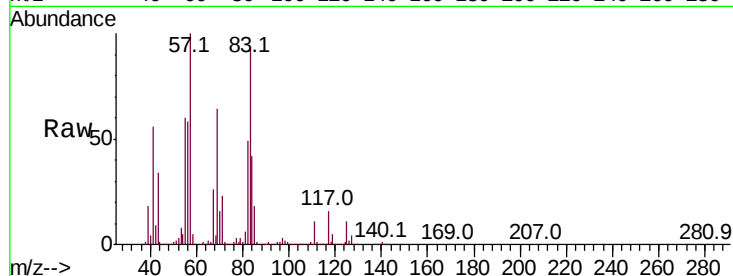
Instrument :

MSVOA_W

ClientSampleId :

Tot Ion:117 Resp: 437306

Ion	Ratio	Lower	Upper
117	100		
82	66.0	42.6	63.8#
119	31.4	26.2	39.4



#64

Tetrachloroethene

Concen: 41.744 ug/l

RT: 10.87 min Scan# 1470

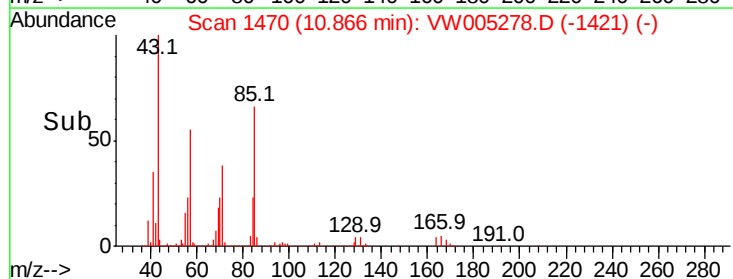
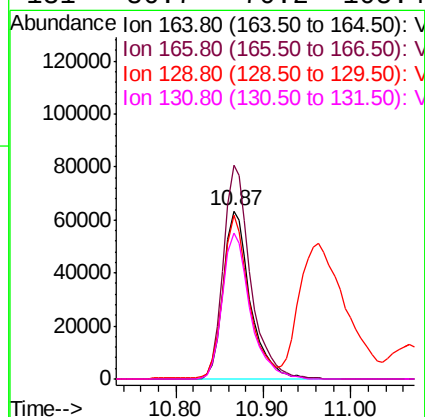
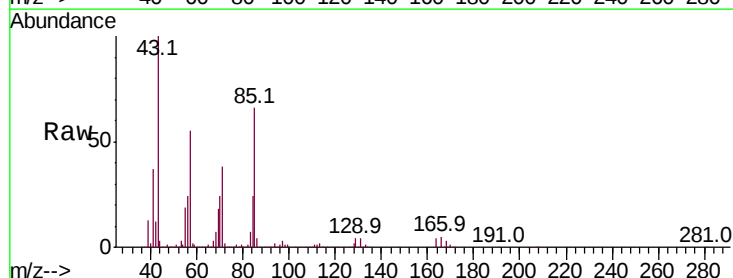
Delta R.T. 0.00 min

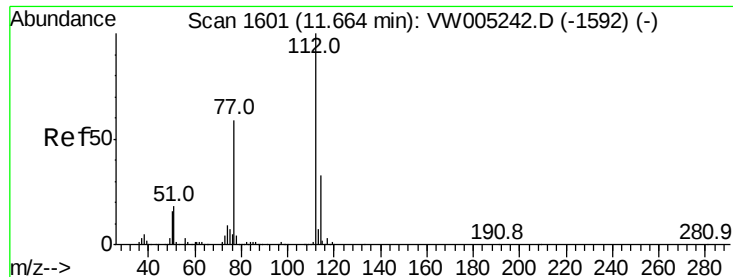
Lab File: VW005278.D

Acq: 11 Sep 2018 16:19

Tgt Ion:164 Resp: 135437

Ion	Ratio	Lower	Upper
164	100		
166	127.2	100.2	150.2
129	97.1	73.2	109.8
131	86.7	70.2	105.4

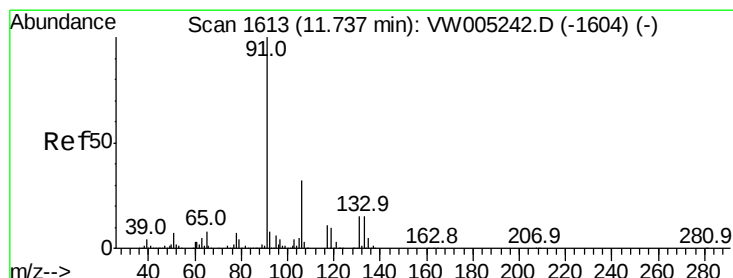
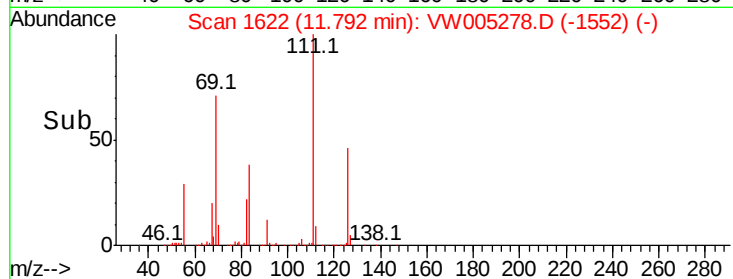
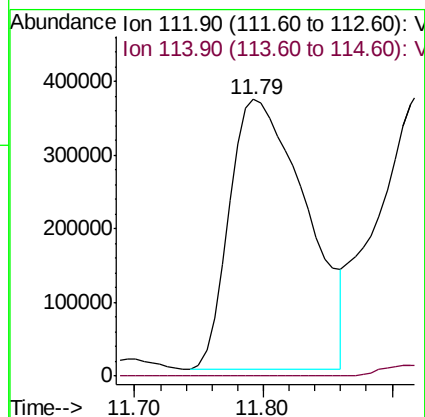
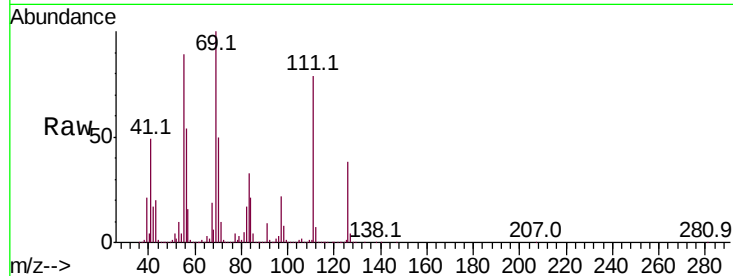




#65
Chlorobenzene
Concen: 159.436 ug/l
RT: 11.79 min Scan# 1622
Delta R.T. 0.13 min
Lab File: VW005278.D
Acq: 11 Sep 2018 16:19

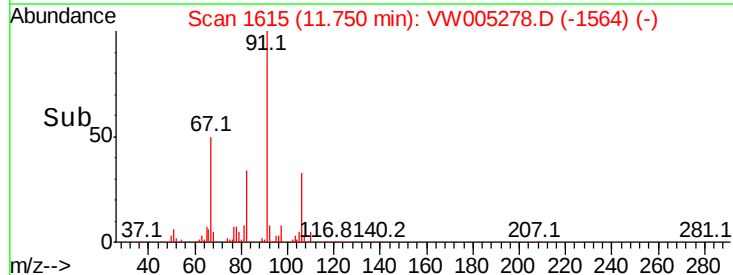
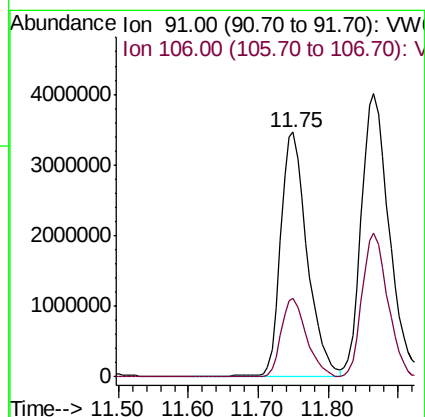
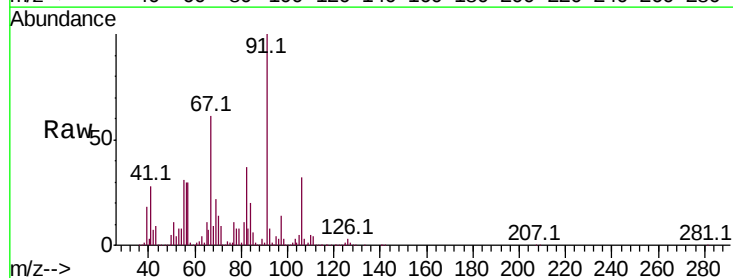
Instrument :
MSVOA_W
ClientSampleId :

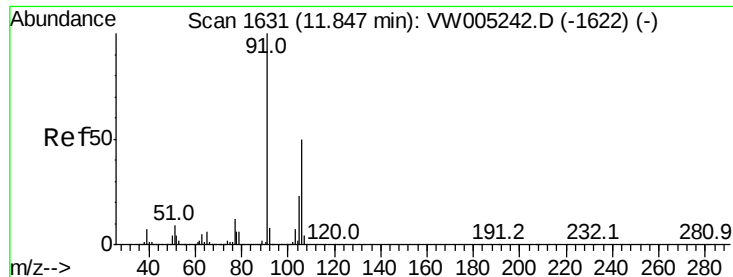
Tot Ion:112 Resp: 1527353
Ion Ratio Lower Upper
112 100
114 0.1 26.2 39.4#



#67
Ethyl Benzene
Concen: 545.279 ug/l
RT: 11.75 min Scan# 1615
Delta R.T. 0.01 min
Lab File: VW005278.D
Acq: 11 Sep 2018 16:19

Tgt Ion: 91 Resp: 9096912
Ion Ratio Lower Upper
91 100
106 32.4 25.6 38.4





#68

m/p-Xylenes

Concen: 768.963 ug/l

RT: 11.87 min Scan# 1634

Delta R.T. 0.02 min

Lab File: VW005278.D

Acq: 11 Sep 2018 16:19

Instrument :

MSVOA_W

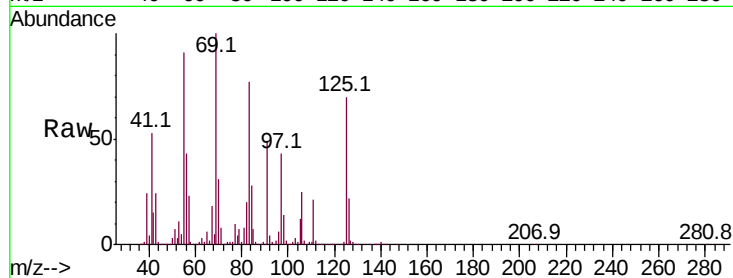
ClientSampled :

Tot Ion:106 Resp: 5169606

Ion Ratio Lower Upper

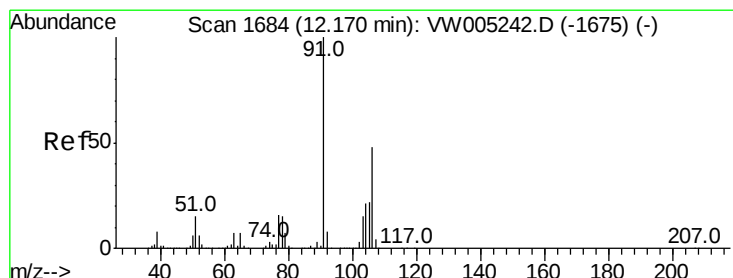
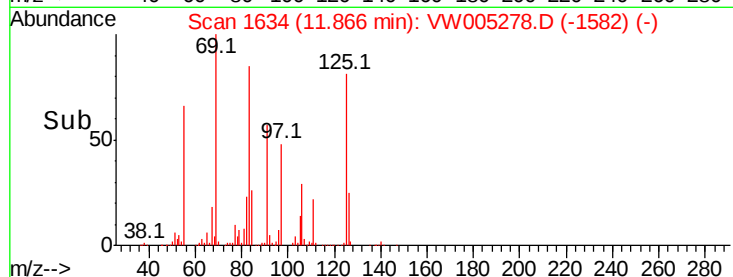
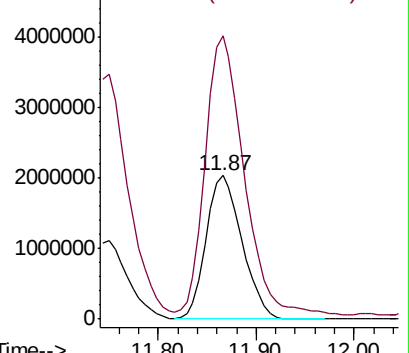
106 100

91 210.0 160.2 240.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#69

o-Xylene

Concen: 136.922 ug/l

RT: 12.19 min Scan# 1687

Delta R.T. 0.02 min

Lab File: VW005278.D

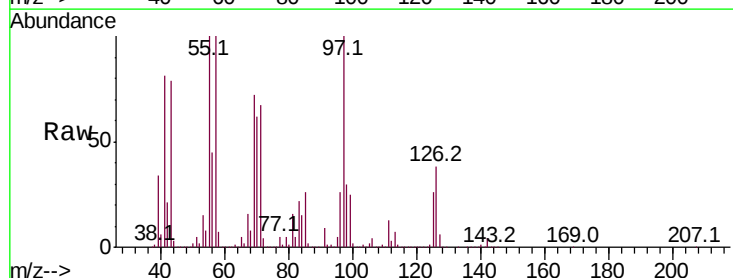
Acq: 11 Sep 2018 16:19

Tgt Ion:106 Resp: 856414

Ion Ratio Lower Upper

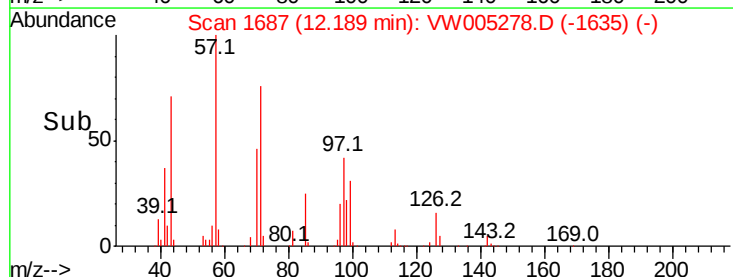
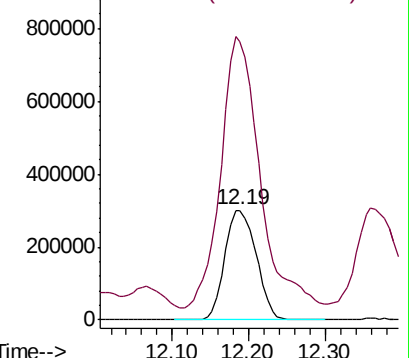
106 100

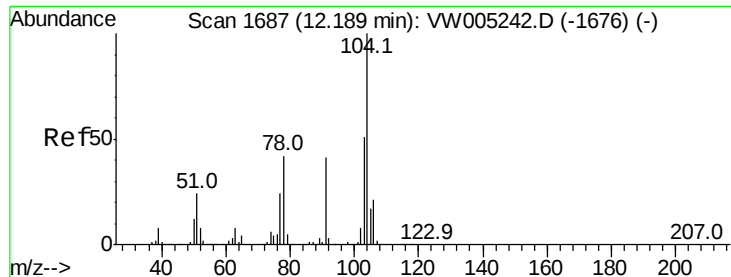
91 309.1 104.1 312.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

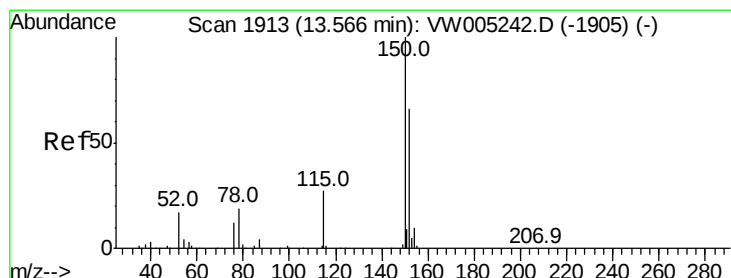
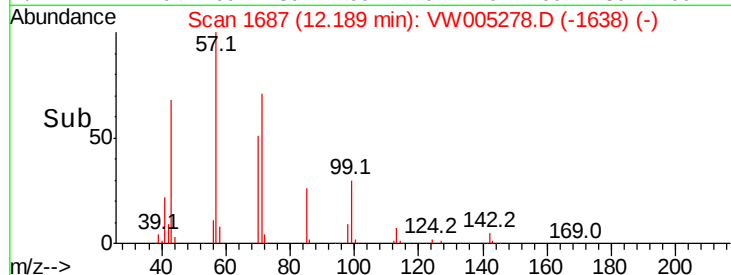
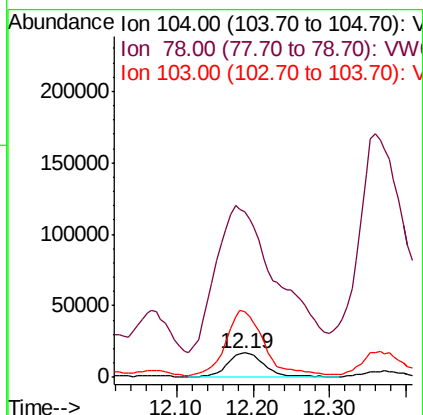
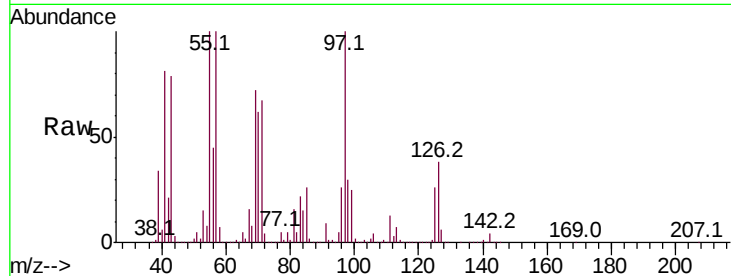




#70
Stvrene
Concen: 5.421 ug/l
RT: 12.19 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VW005278.D
Acq: 11 Sep 2018 16:19

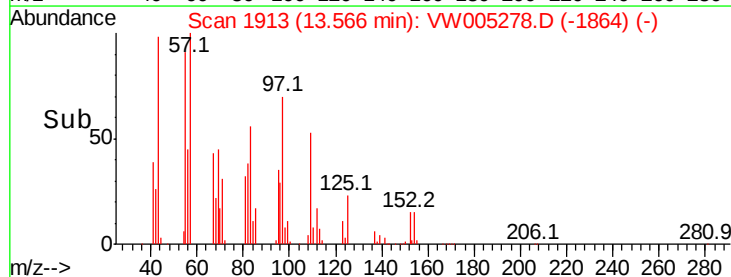
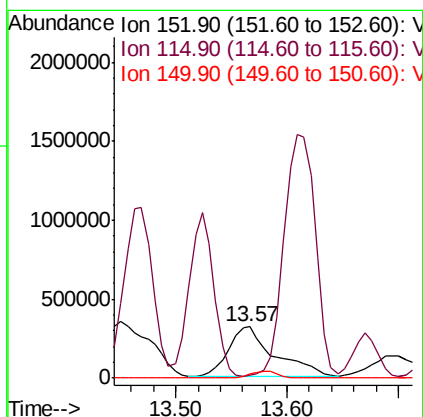
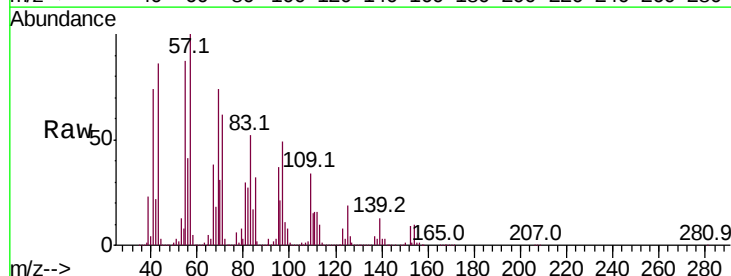
Instrument :
MSVOA_W
ClientSampled :

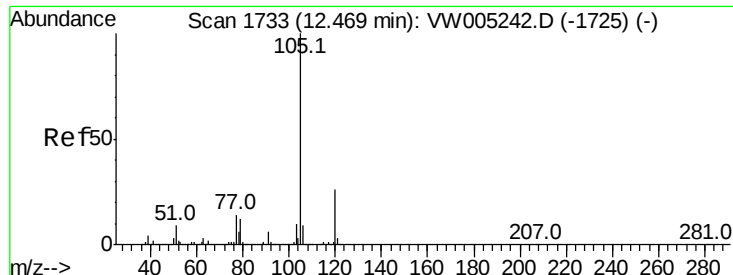
Tot Ion:104 Resp: 55331
Ion Ratio Lower Upper
104 100
78 1034.8 37.4 56.2#
103 278.5 44.1 66.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. 0.00 min
Lab File: VW005278.D
Acq: 11 Sep 2018 16:19

Tgt Ion:152 Resp: 912301
Ion Ratio Lower Upper
152 100
115 0.0 27.5 82.4#
150 8.4 0.0 347.4





#73

Isopropylbenzene

Concen: 293.634 ug/l

RT: 12.49 min Scan# 1737

Delta R.T. 0.02 min

Lab File: VW005278.D

Acq: 11 Sep 2018 16:19

Instrument :

MSVOA_W

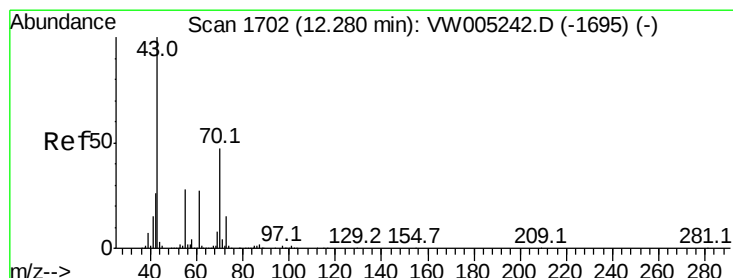
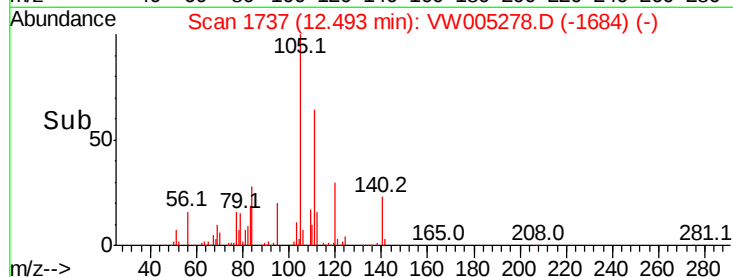
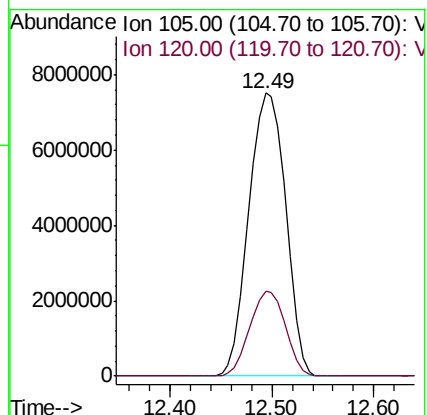
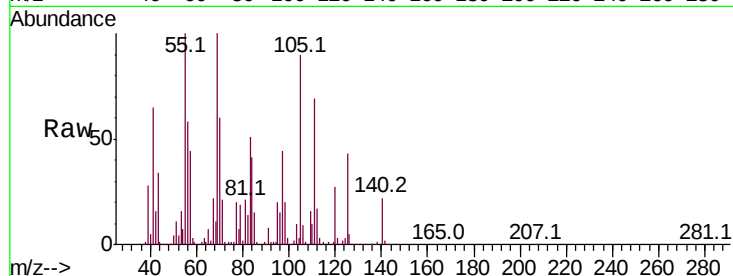
ClientSampleId :

Tot Ion:105 Resp:18927156

Ion Ratio Lower Upper

105 100

120 28.9 13.4 40.1



#74

N-ethyl acetate

Concen: 190.650 ug/l

RT: 12.21 min Scan# 1690

Delta R.T. -0.07 min

Lab File: VW005278.D

Acq: 11 Sep 2018 16:19

Tgt Ion: 43 Resp: 2338137

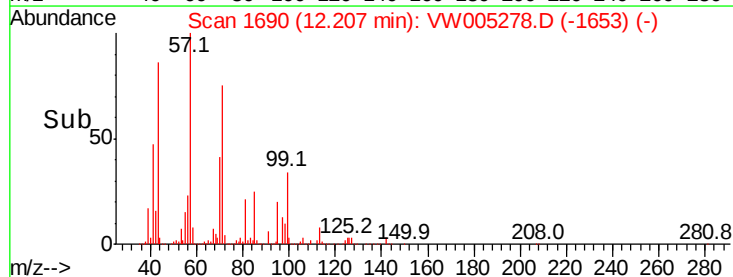
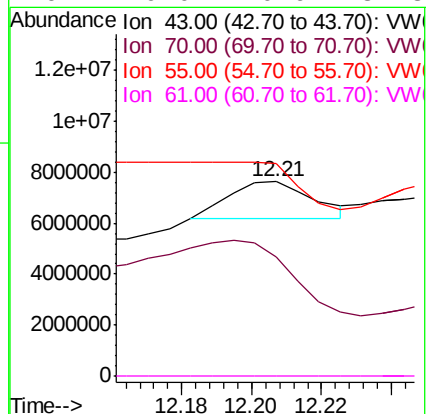
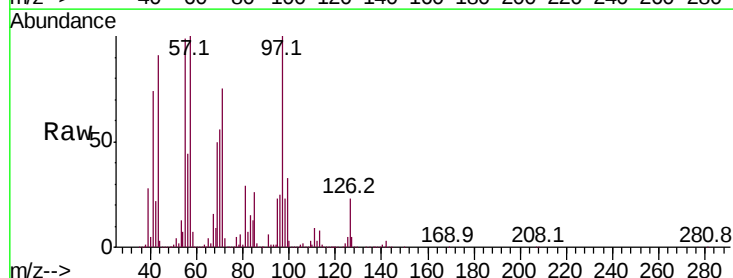
Ion Ratio Lower Upper

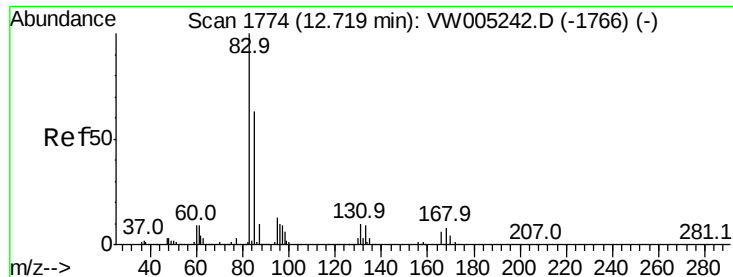
43 100

70 0.0 37.9 56.9#

55 0.0 22.6 33.8#

61 0.0 20.9 31.3#





#75

1,1,2,2-Tetrachloroethane

Concen: 289.392 ug/l

RT: 12.73 min Scan# 1776

Delta R.T. 0.01 min

Lab File: VW005278.D

Acq: 11 Sep 2018 16:19

Instrument :

MSVOA_W

ClientSampleId :

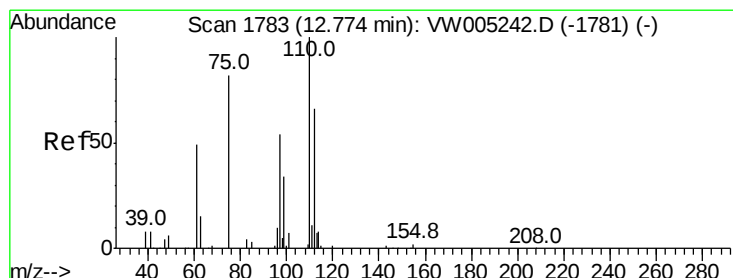
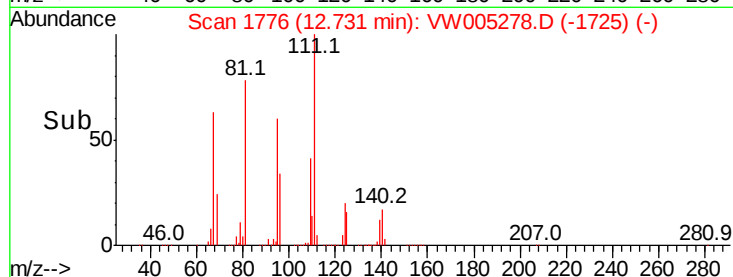
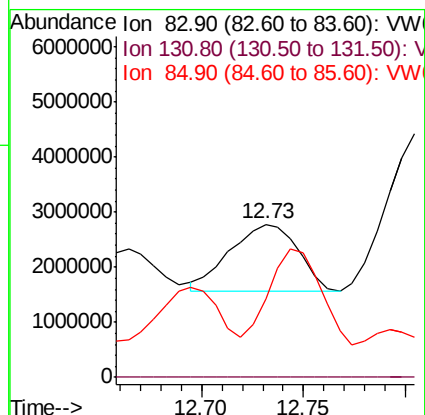
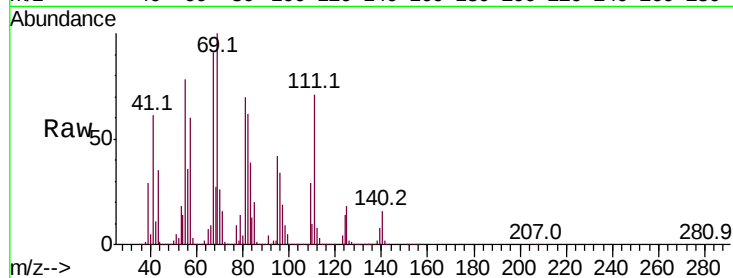
Tot Ion: 83 Resp: 2803419

Ion Ratio Lower Upper

83 100

131 0.0 5.5 16.4#

85 0.0 31.6 95.0#



#76

1,2,3-Trichloropropane

Concen: 3.100 ug/l

RT: 12.73 min Scan# 1775

Delta R.T. -0.05 min

Lab File: VW005278.D

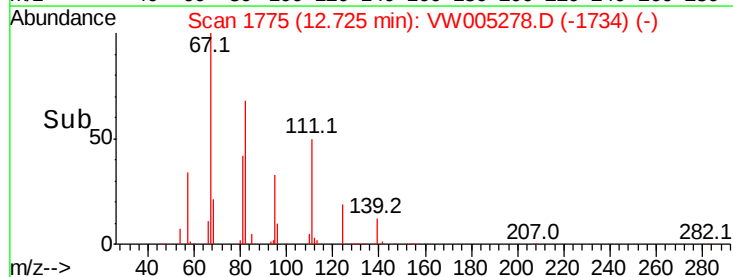
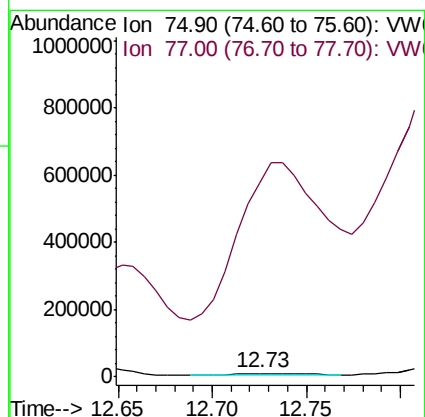
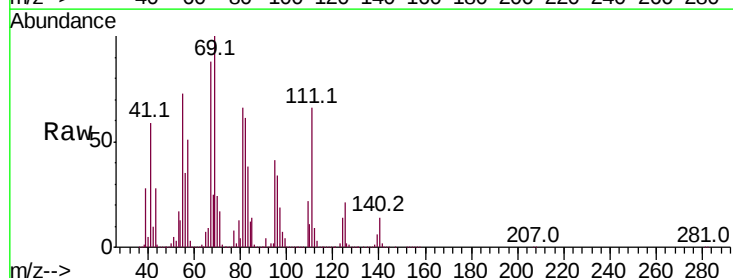
Acq: 11 Sep 2018 16:19

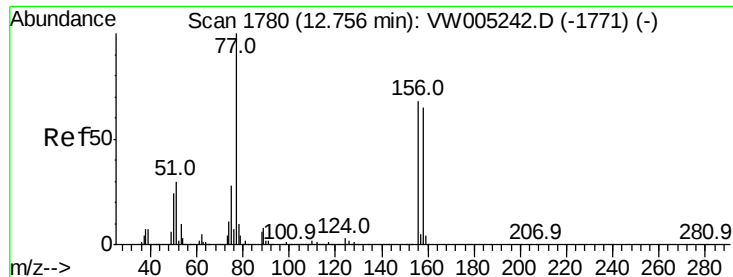
Tgt Ion: 75 Resp: 21755

Ion Ratio Lower Upper

75 100

77 6989.9 0.0 0.0#





#77

Bromobenzene

Concen: 5.894 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.01 min

Lab File: VW005278.D

Acq: 11 Sep 2018 16:19

Instrument :

MSVOA_W

ClientSampled :

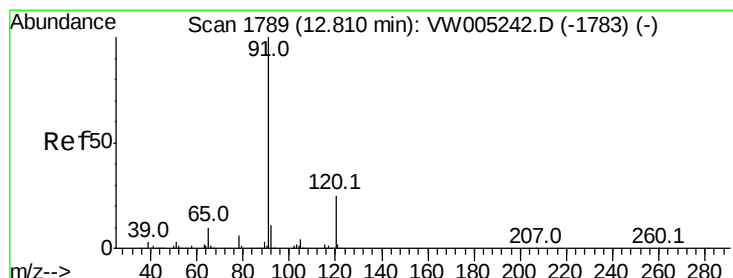
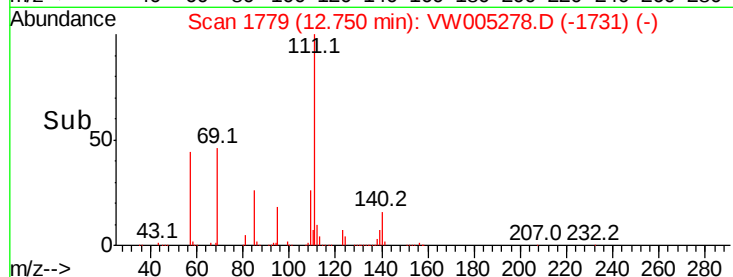
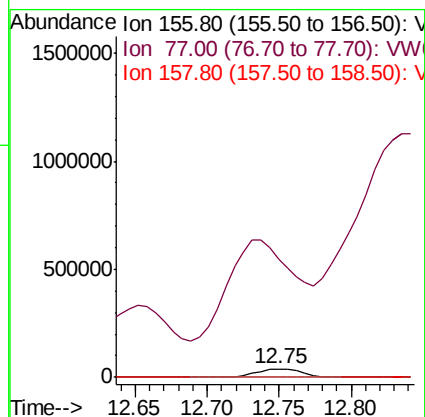
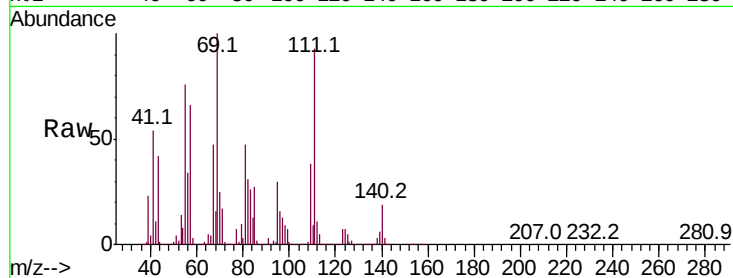
Tot Ion:156 Resp: 89501

Ion Ratio Lower Upper

156 100

77 1699.0 86.3 258.8#

158 0.0 48.6 145.8#



#78

n-propylbenzene

Concen: 8.633 ug/l

RT: 12.73 min Scan# 1776

Delta R.T. -0.08 min

Lab File: VW005278.D

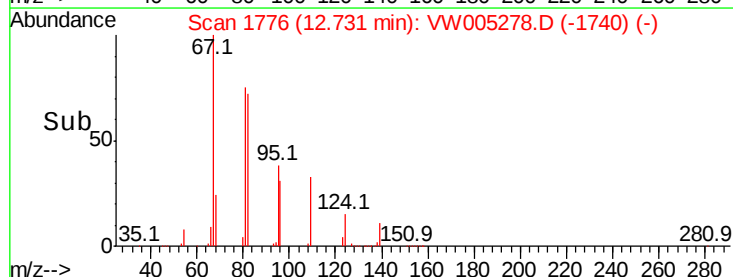
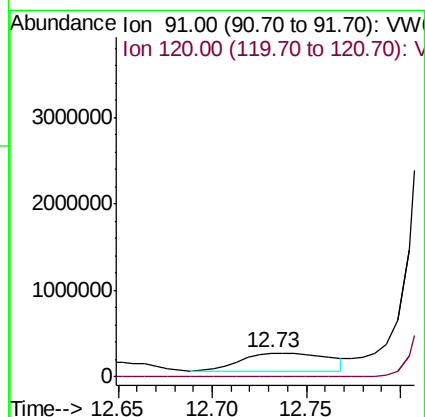
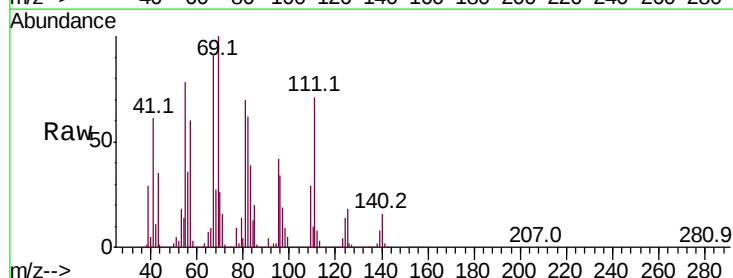
Acq: 11 Sep 2018 16:19

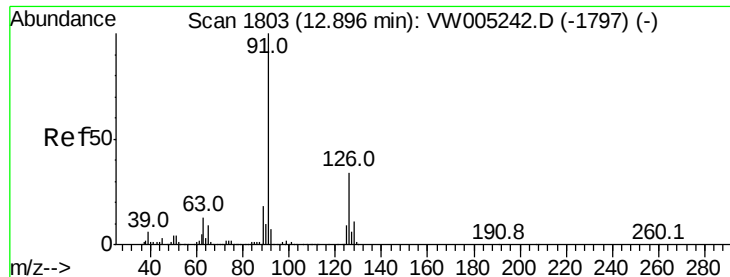
Tgt Ion: 91 Resp: 668307

Ion Ratio Lower Upper

91 100

120 0.0 12.0 36.0#





#79

2-Chlorotoluene

Concen: 127.212 ug/l

RT: 12.91 min Scan# 1805

Delta R.T. 0.01 min

Lab File: VW005278.D

Acq: 11 Sep 2018 16:19

Instrument :

MSVOA_W

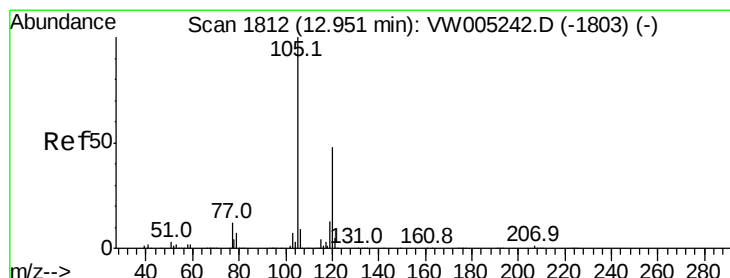
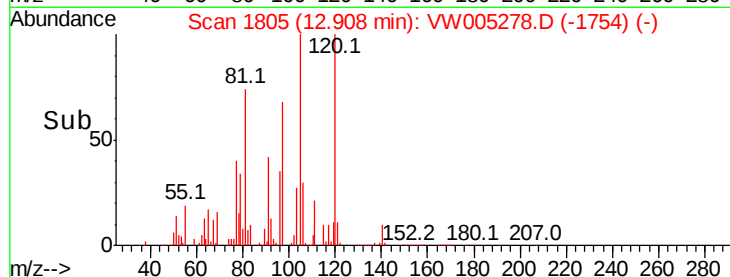
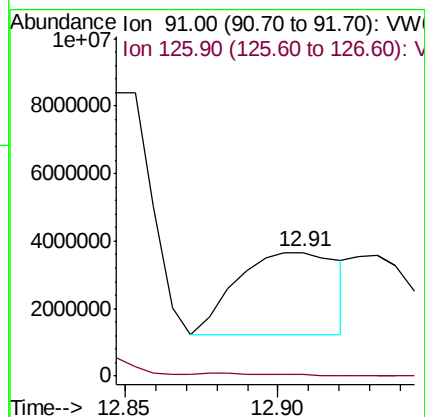
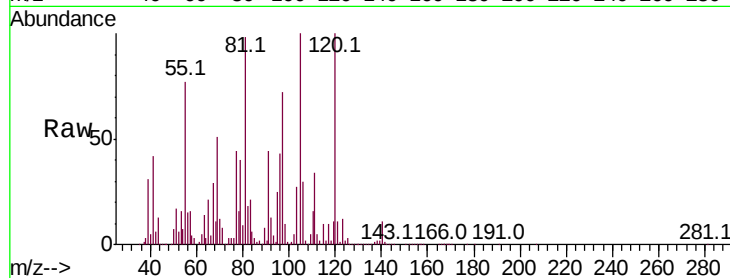
ClientSampled :

Tot Ion: 91 Resp: 5647508

Ion Ratio Lower Upper

91 100

126 0.0 17.2 51.5#



#80

1,3,5-Trimethylbenzene

Concen: 337.769 ug/l

RT: 13.13 min Scan# 1841

Delta R.T. 0.18 min

Lab File: VW005278.D

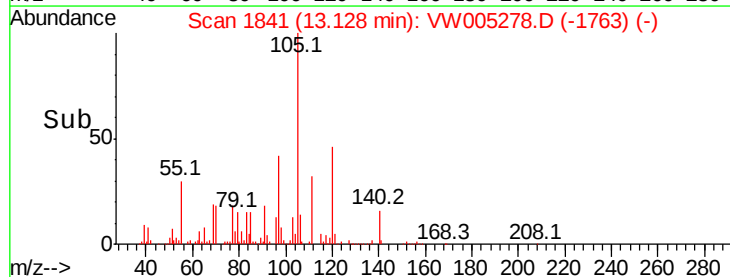
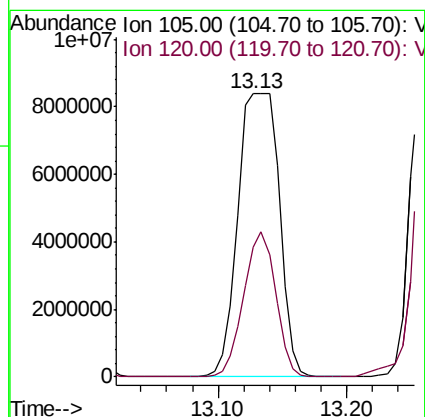
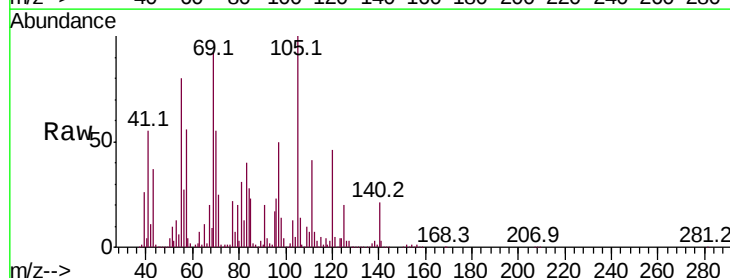
Acq: 11 Sep 2018 16:19

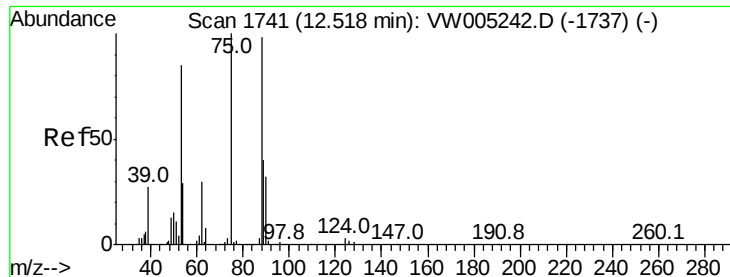
Tgt Ion:105 Resp:18539416

Ion Ratio Lower Upper

105 100

120 39.9 24.4 73.4





#81

trans-1,4-Dichloro-2-butene

Concen: 77.978 ug/l

RT: 12.49 min Scan# 1737

Delta R.T. -0.02 min

Lab File: VW005278.D

Acq: 11 Sep 2018 16:19

Instrument :

MSVOA_W

ClientSampleId :

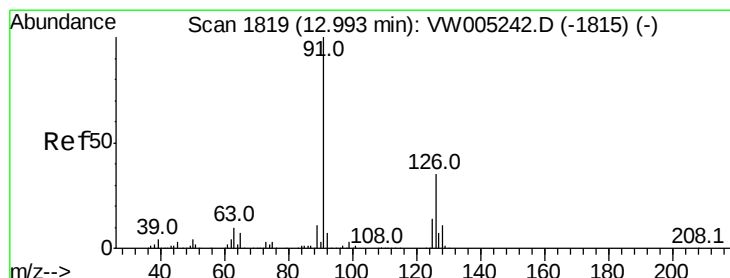
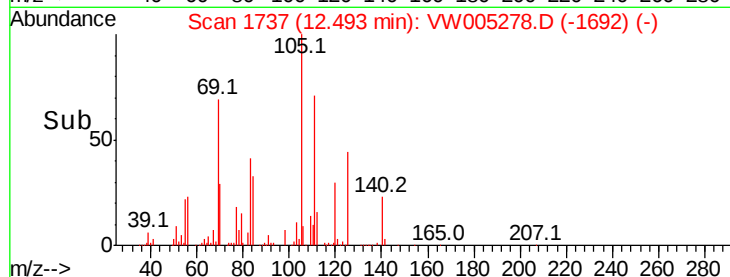
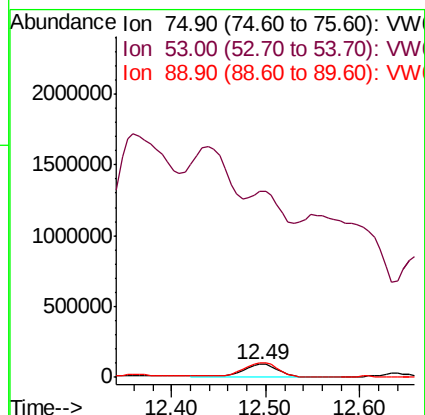
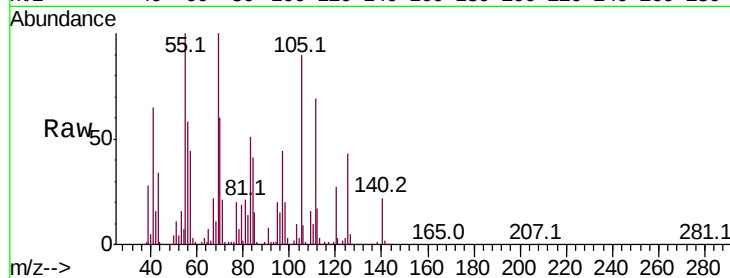
Tot Ion: 75 Resp: 233311

Ion Ratio Lower Upper

75 100

53 0.0 67.0 100.6#

89 111.5 37.0 55.4#



#82

4-Chlorotoluene

Concen: 110.771 ug/l

RT: 12.98 min Scan# 1817

Delta R.T. -0.01 min

Lab File: VW005278.D

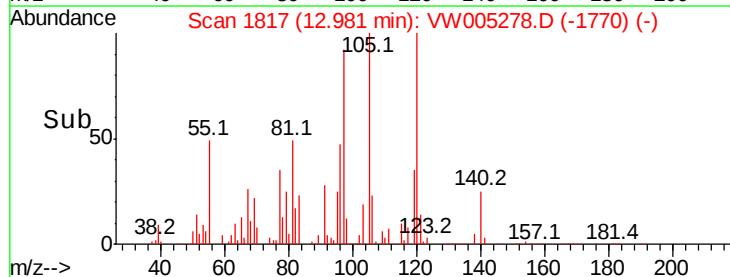
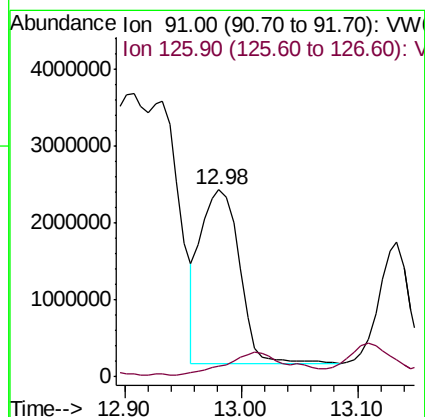
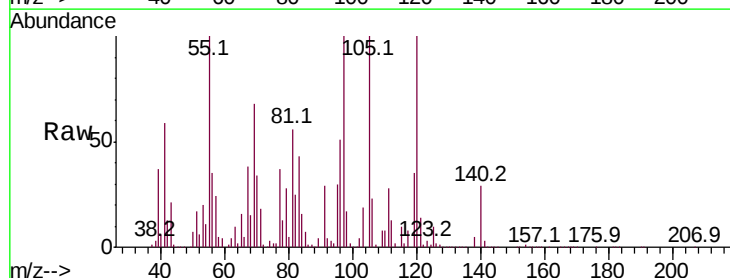
Acq: 11 Sep 2018 16:19

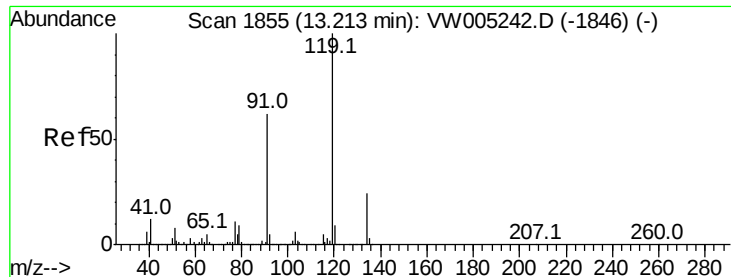
Tgt Ion: 91 Resp: 5168930

Ion Ratio Lower Upper

91 100

126 0.0 17.5 52.5#

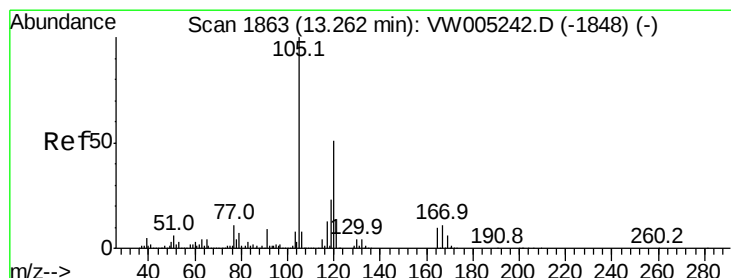
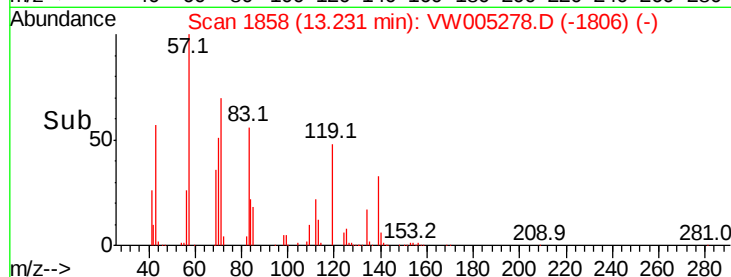
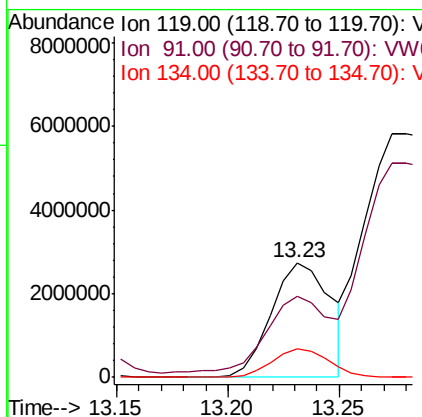
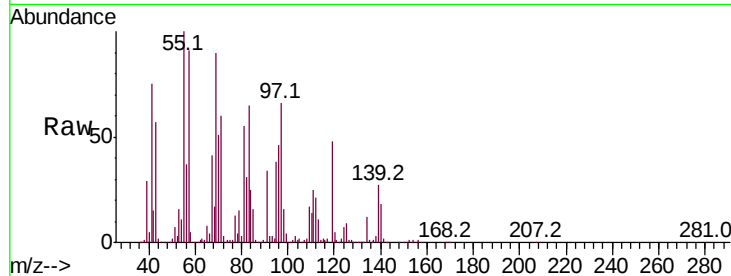




#83
 tert-Butylbenzene
 Concen: 105.288 ug/l
 RT: 13.23 min Scan# 1858
 Delta R.T. 0.02 min
 Lab File: VW005278.D
 Acq: 11 Sep 2018 16:19

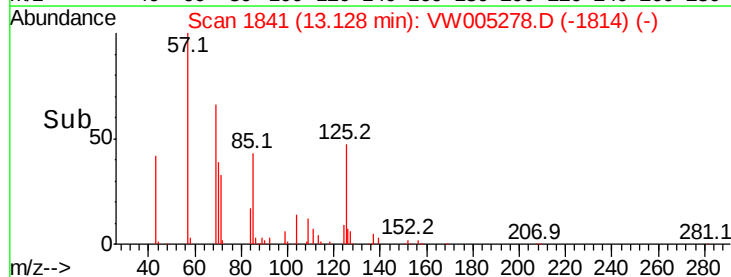
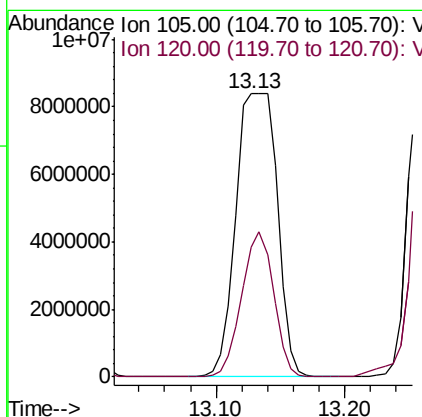
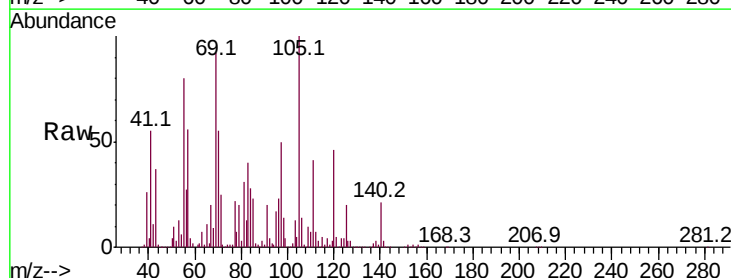
Instrument :
 MSVOA_W
 ClientSampled :

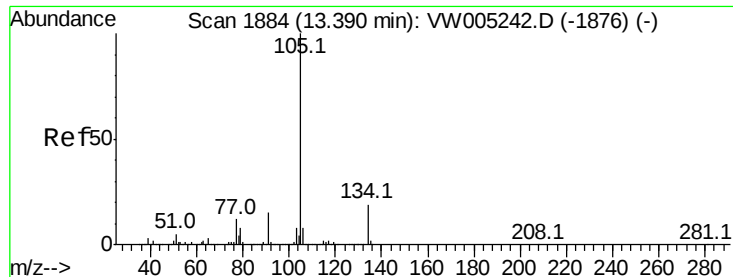
Tot Ion:119 Resp: 5054312
 Ion Ratio Lower Upper
 119 100
 91 71.3 31.7 95.1
 134 24.1 13.0 38.9



#84
 1,2,4-Trimethylbenzene
 Concen: 336.125 ug/l
 RT: 13.13 min Scan# 1841
 Delta R.T. -0.13 min
 Lab File: VW005278.D
 Acq: 11 Sep 2018 16:19

Tgt Ion:105 Resp:18539416
 Ion Ratio Lower Upper
 105 100
 120 39.9 23.4 70.3





#85

sec-Butylbenzene

Concen: 269.647 ug/l

RT: 13.40 min Scan# 1886

Delta R.T. 0.01 min

Lab File: VW005278.D

Acq: 11 Sep 2018 16:19

Instrument :

MSVOA_W

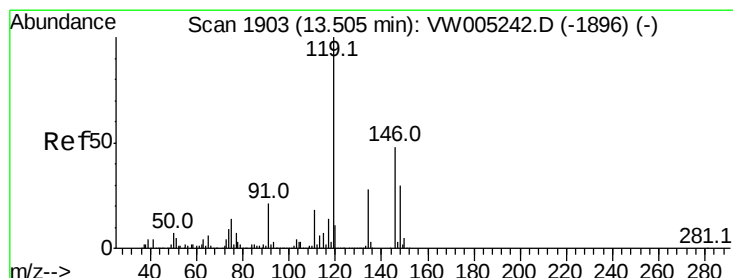
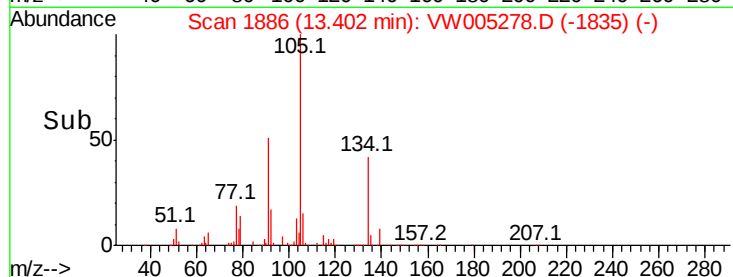
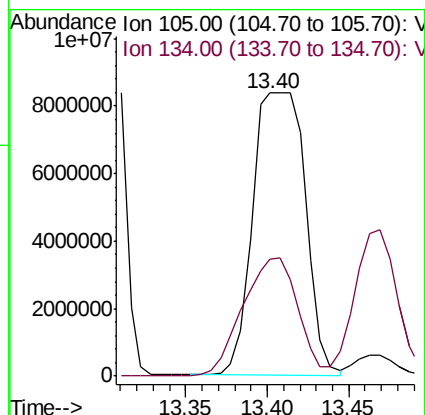
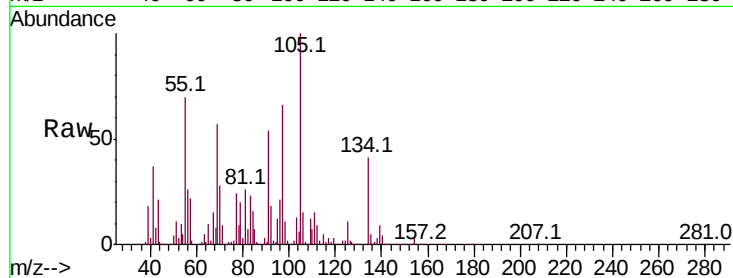
ClientSampled :

Tot Ion:105 Resp:18603103

Ion Ratio Lower Upper

105 100

134 44.3 9.9 29.7#



#86

p-Isopropyltoluene

Concen: 282.997 ug/l

RT: 13.52 min Scan# 1905

Delta R.T. 0.01 min

Lab File: VW005278.D

Acq: 11 Sep 2018 16:19

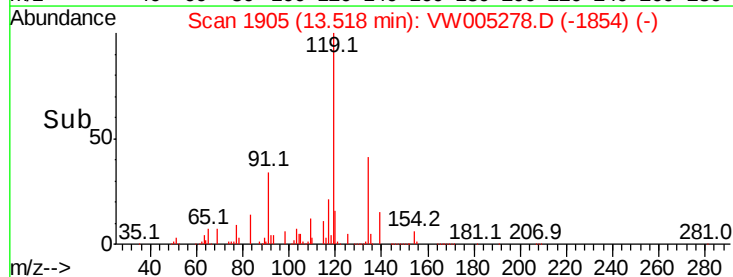
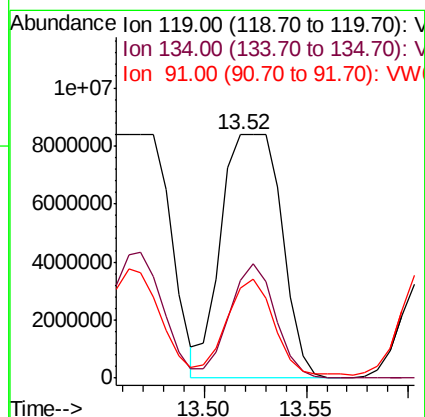
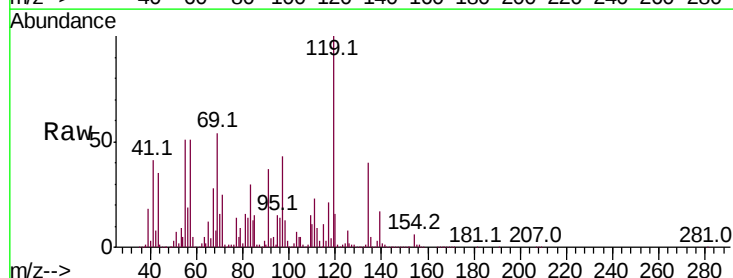
Tgt Ion:119 Resp:17283675

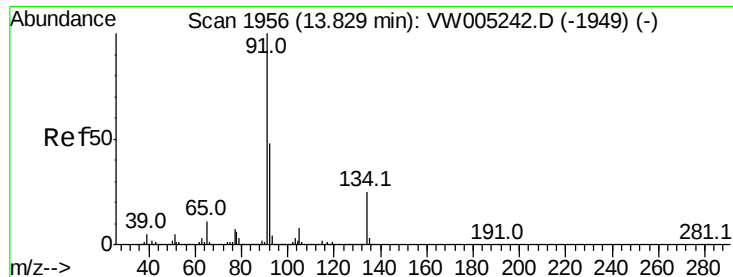
Ion Ratio Lower Upper

119 100

134 35.6 13.2 39.5

91 30.1 10.7 32.1





#89

n-Butylbenzene

Concen: 288.120 ug/l

RT: 13.84 min Scan# 1958

Delta R.T. 0.01 min

Lab File: VW005278.D

Acq: 11 Sep 2018 16:19

Instrument :

MSVOA_W

ClientSampleId :

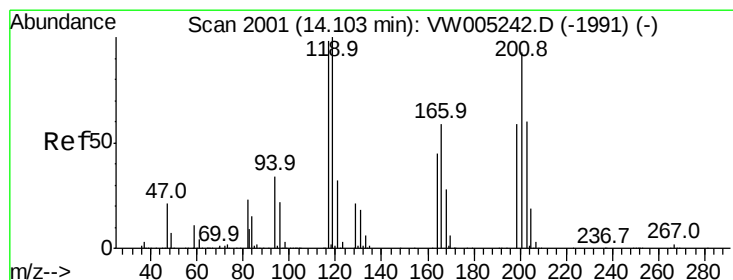
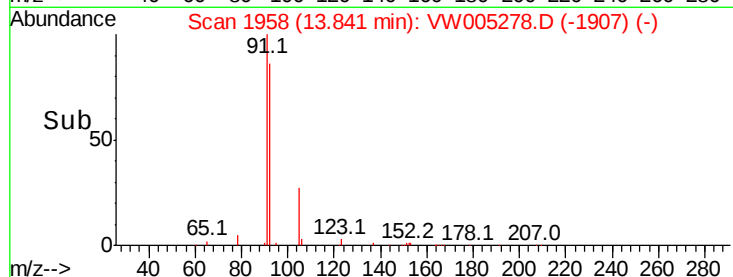
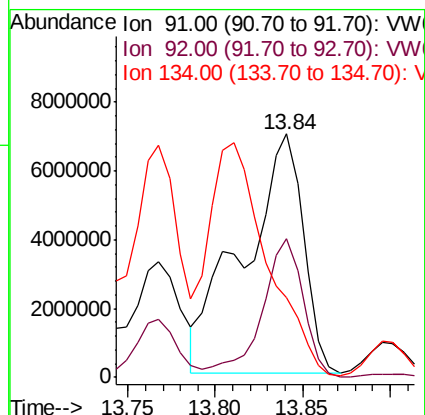
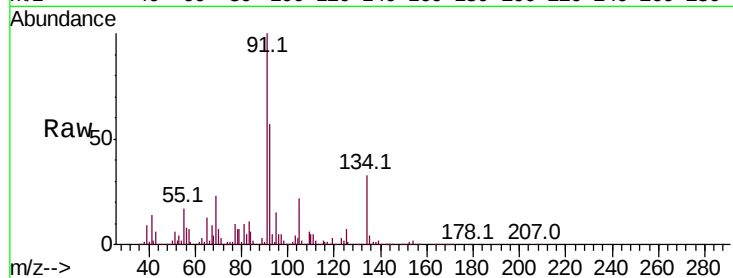
Tot Ion: 91 Resp:16541734

Ion Ratio Lower Upper

91 100

92 39.9 25.8 77.3

134 0.0 13.6 40.8#



#90

Hexachloroethane

Concen: 131.972 ug/l

RT: 14.11 min Scan# 2002

Delta R.T. 0.01 min

Lab File: VW005278.D

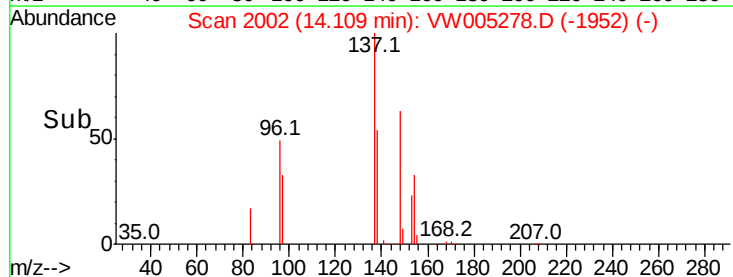
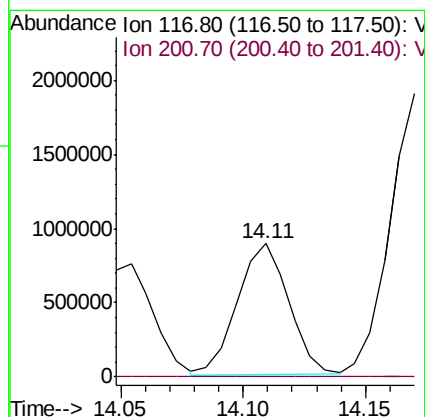
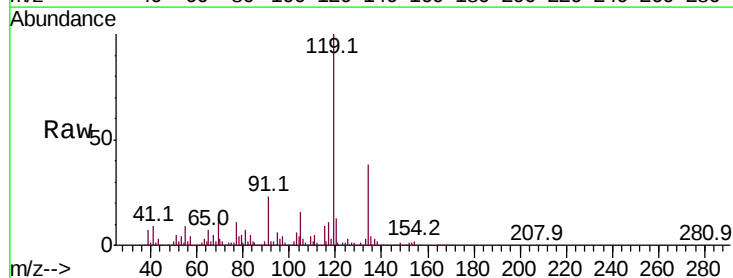
Acq: 11 Sep 2018 16:19

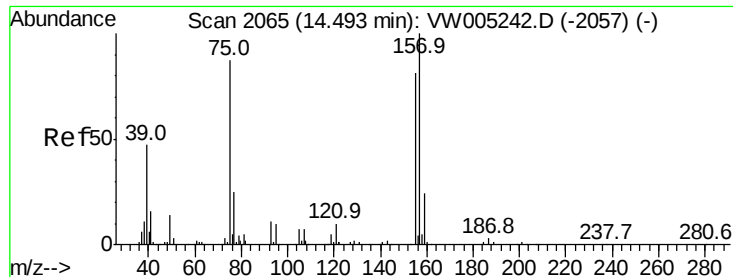
Tgt Ion:117 Resp: 1291332

Ion Ratio Lower Upper

117 100

201 0.0 44.0 132.1#





#92

1,2-Dibromo-3-Chloropropane

Concen: 2.589 ug/l

RT: 14.51 min Scan# 2067

Delta R.T. 0.01 min

Lab File: VW005278.D

Acq: 11 Sep 2018 16:19

Instrument :

MSVOA_W

ClientSampleId :

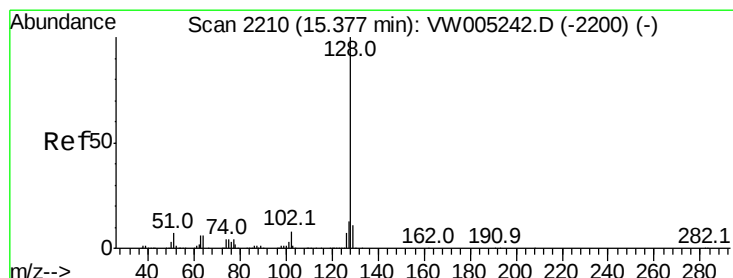
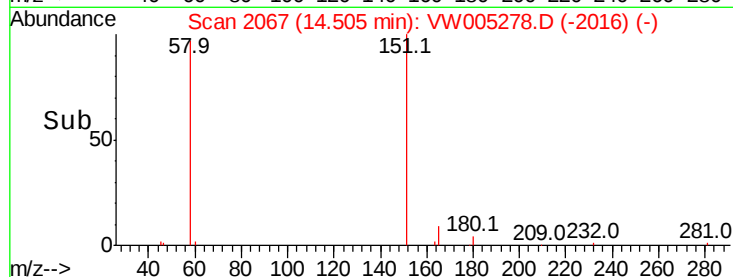
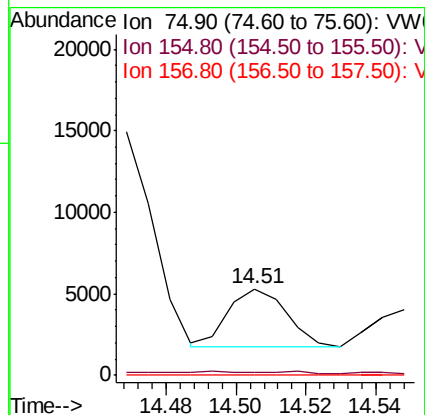
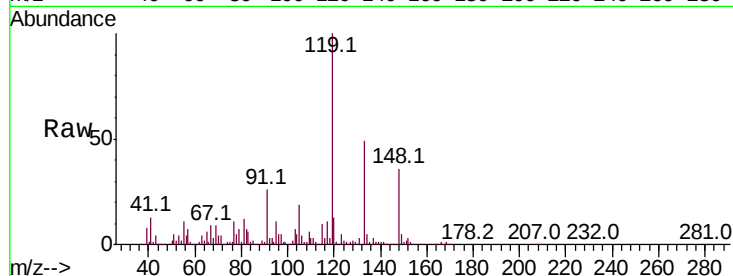
Tot Ion: 75 Resp: 4171

Ion Ratio Lower Upper

75 100

155 0.0 47.4 142.2#

157 0.0 59.4 178.2#



#95

Naphthalene

Concen: 13.757 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. 0.00 min

Lab File: VW005278.D

Acq: 11 Sep 2018 16:19

Tgt Ion: 128 Resp: 442214

Ion Ratio Lower Upper

128 100

127 13.1 10.3 15.5

129 10.8 8.8 13.2

