

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091118\
 Data File : VW005276.D
 Acq On : 11 Sep 2018 15:27
 Operator : SY/AP
 Sample : J4802-02RE
 Misc : 11.61G/5ML/MSVOA W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 11 16:41:50 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	161328	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	254609	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	242893	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	108461	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	65046	54.06	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	108.12%	
35) Dibromofluoromethane	7.89	113	63766	47.81	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	95.62%	
50) Toluene-d8	10.33	98	262986	39.02	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	78.04%	
62) 4-Bromofluorobenzene	12.63	95	84100	34.12	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	68.24%	

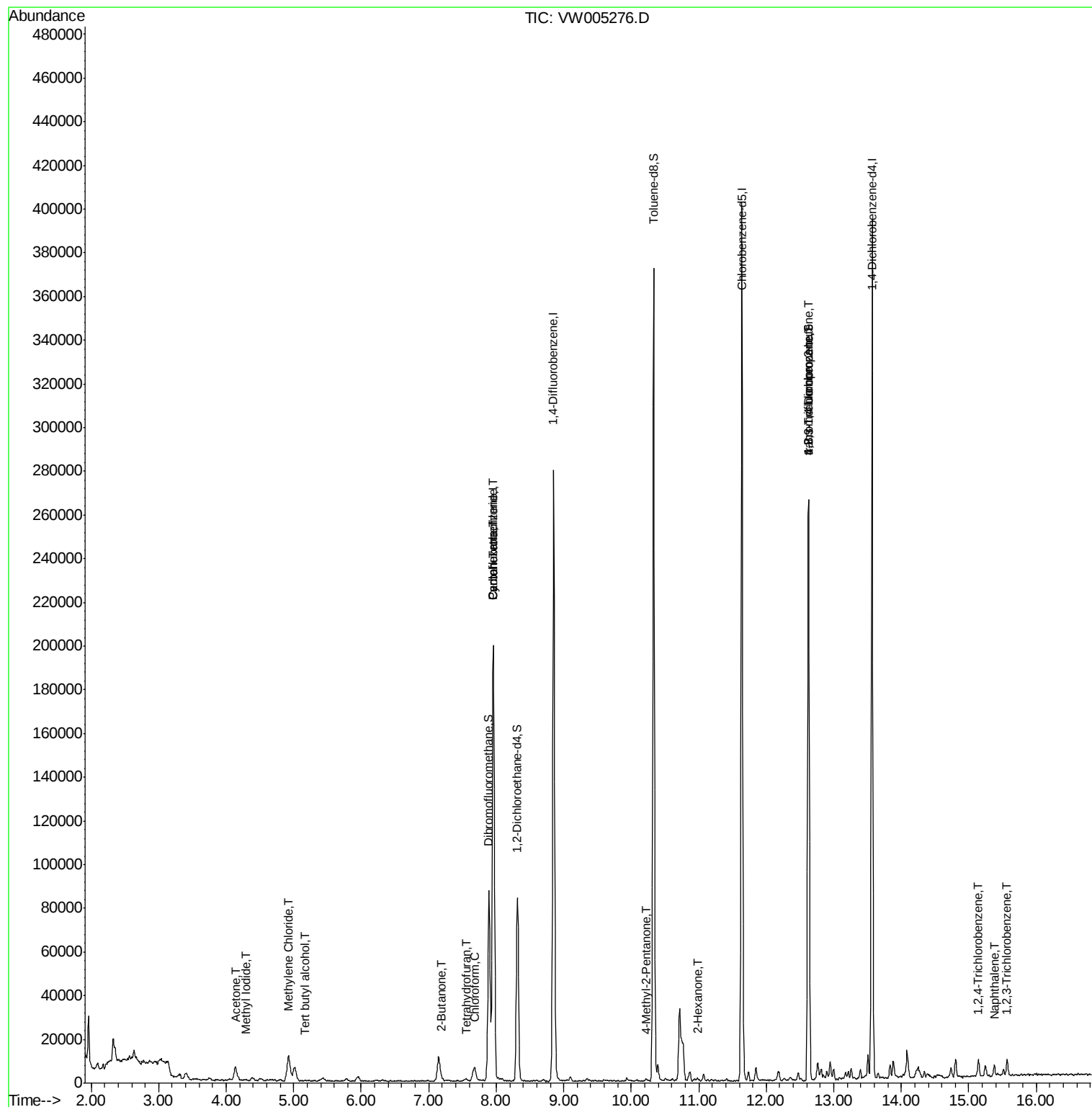
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.78	94	541	Below Cal	#	63
10) Methyl Iodide	4.29	142	998	3.870	ug/l #	93
11) Tert butyl alcohol	5.17	59	380	3.851	ug/l #	73
16) Acetone	4.14	43	11315	50.661	ug/l	96
20) Methylene Chloride	4.93	84	8947	2.245	ug/l #	85
25) 2-Butanone	7.20	43	1356	3.849	ug/l #	81
29) Tetrahydrofuran	7.56	42	512	2.157	ug/l #	74
30) Chloroform	7.68	83	3894	1.604	ug/l	99
31) Cyclohexane	7.95	56	3099	1.204	ug/l #	1
38) Carbon Tetrachloride	7.96	117	14191	6.494	ug/l #	17
51) 4-Methyl-2-Pentanone	10.22	43	992	1.070	ug/l	87
59) 2-Hexanone	10.98	43	1185	1.773	ug/l	76
76) 1,2,3-Trichloropropane	12.62	75	39175	46.960	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	39175	110.131	ug/l #	16
93) 1,2,4-Trichlorobenzene	15.14	180	2948	1.251	ug/l	84
95) Naphthalene	15.38	128	4643	1.215	ug/l	98
96) 1,2,3-Trichlorobenzene	15.57	180	2475	1.220	ug/l	95

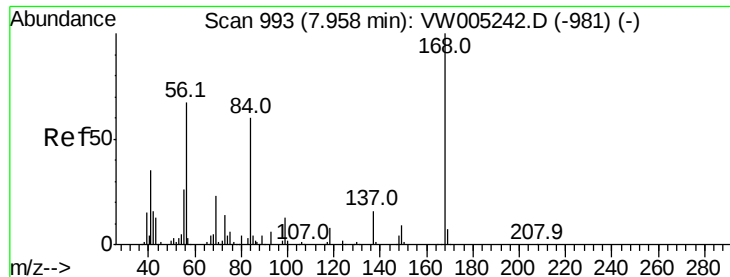
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Sep 11 03:48:23 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

Lab File: VW005276.D

Acq: 11 Sep 2018 15:27

Instrument :

MSVOA_W

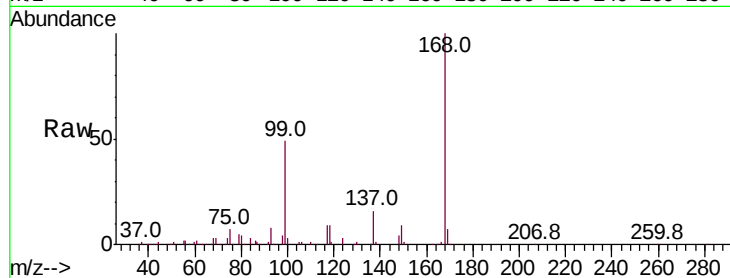
ClientSampled :

Tot Ion:168 Resp: 161328

Ion Ratio Lower Upper

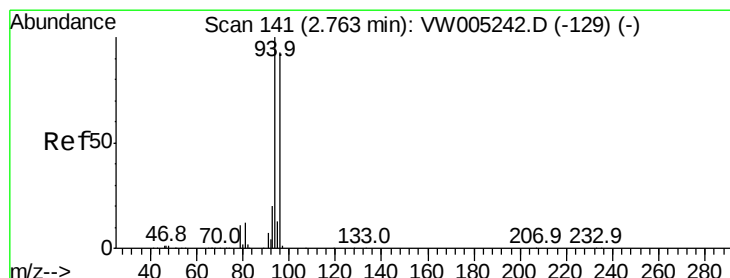
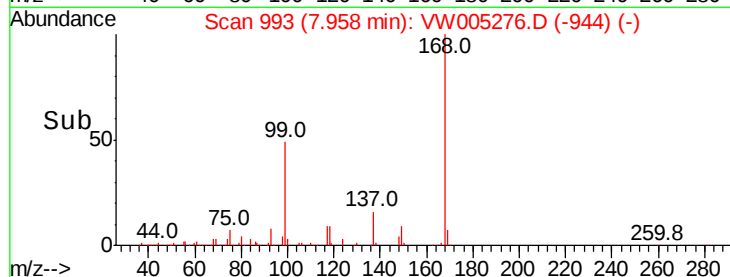
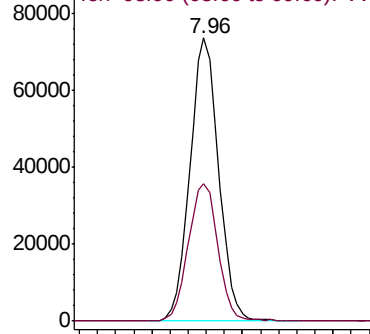
168 100

99 48.6 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#5

Bromomethane

Concen: Below Cal

RT: 2.78 min Scan# 143

Delta R.T. 0.01 min

Lab File: VW005276.D

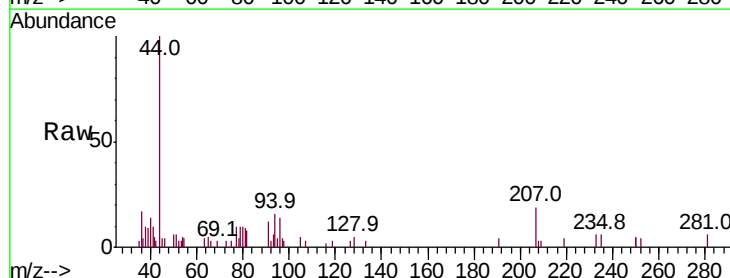
Acq: 11 Sep 2018 15:27

Tgt Ion: 94 Resp: 541

Ion Ratio Lower Upper

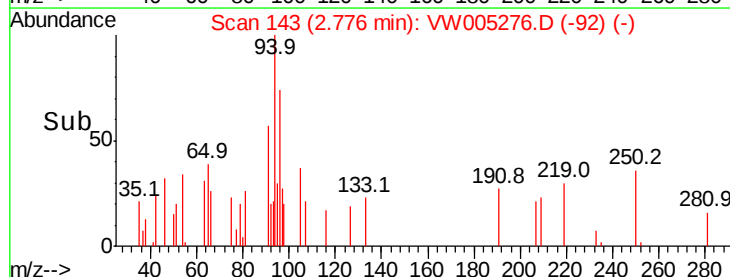
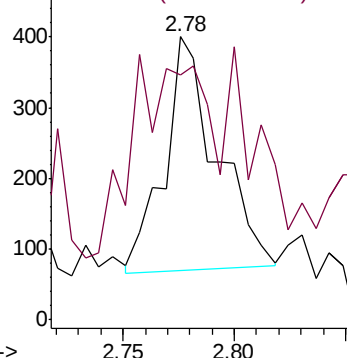
94 100

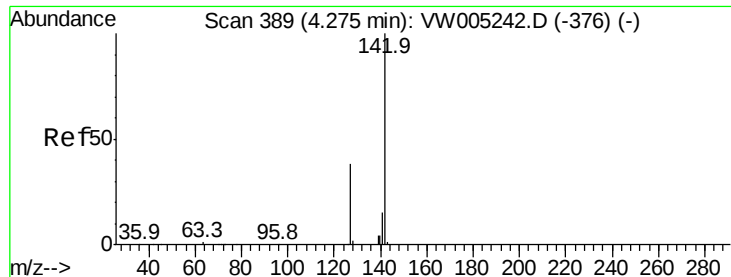
96 57.4 74.1 111.1#



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW





#10

Methyl Iodide

Concen: 3.870 ug/l

RT: 4.29 min Scan# 391

Delta R.T. 0.01 min

Lab File: VW005276.D

Acq: 11 Sep 2018 15:27

Instrument :
MSVOA_W
ClientSampled :

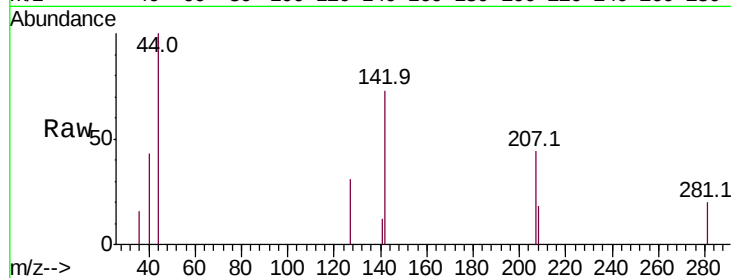
Tot Ion:142 Resp: 998

Ion Ratio Lower Upper

142 100

127 37.9 30.3 45.5

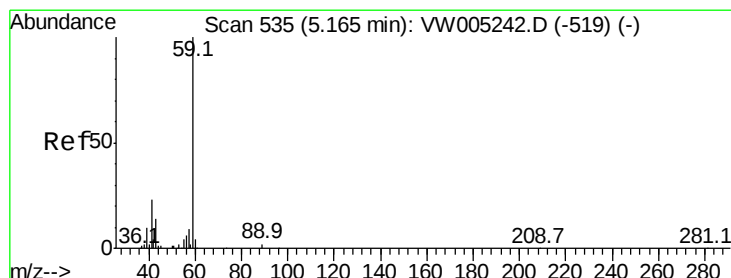
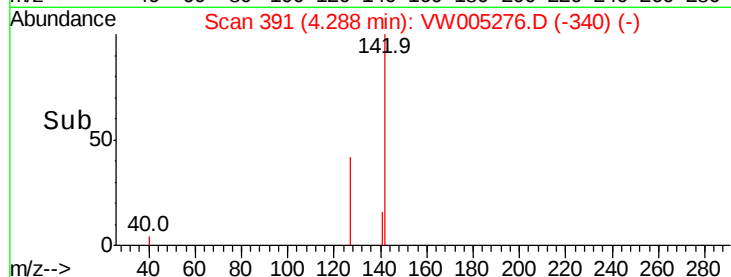
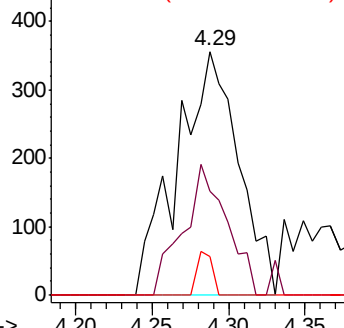
141 4.4 11.4 17.0#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



#11

Tert butyl alcohol

Concen: 3.851 ug/l

RT: 5.17 min Scan# 535

Delta R.T. -0.00 min

Lab File: VW005276.D

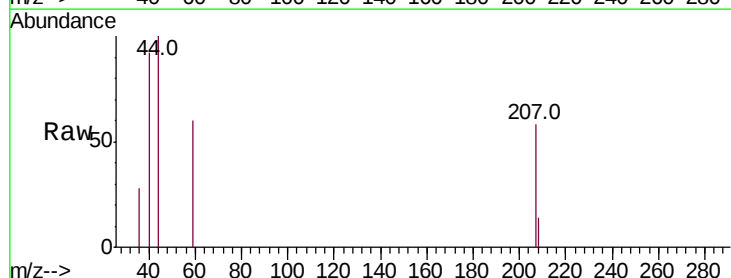
Acq: 11 Sep 2018 15:27

Tgt Ion: 59 Resp: 380

Ion Ratio Lower Upper

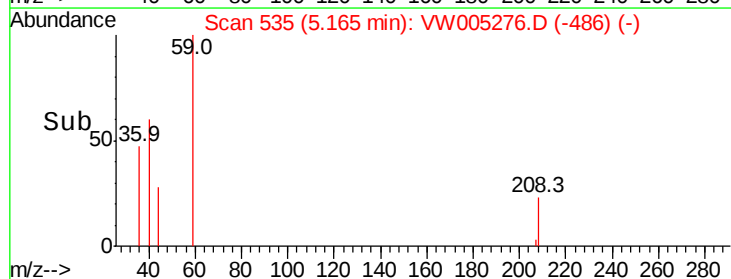
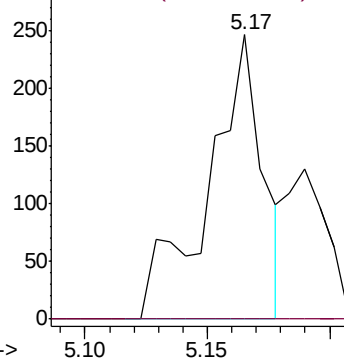
59 100

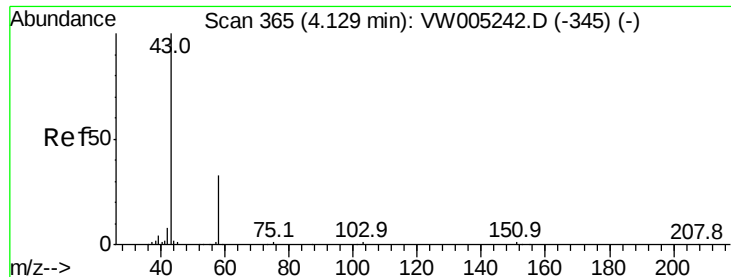
57 0.0 8.1 12.1#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

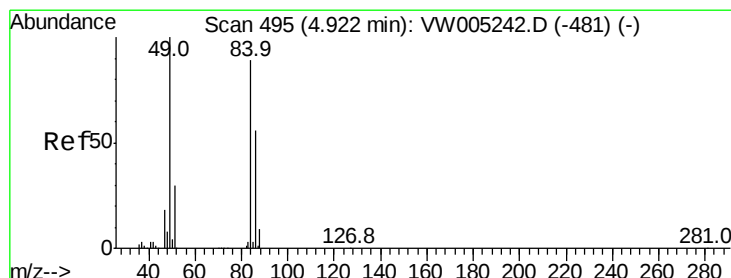
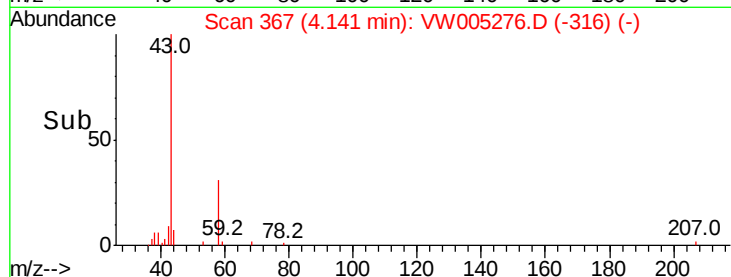
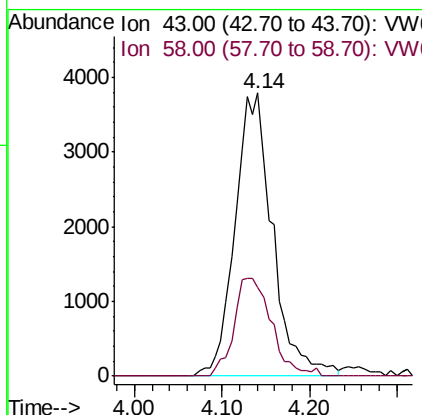
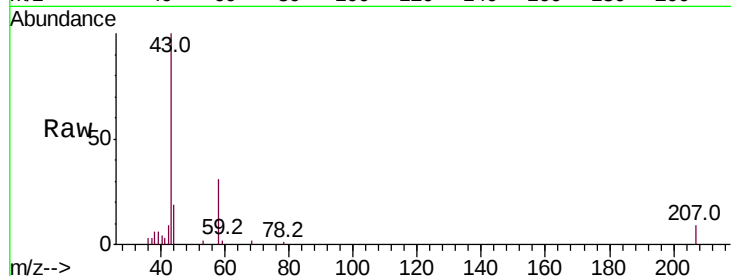




#16
Acetone
Concen: 50.661 ug/l
RT: 4.14 min Scan# 367
Delta R.T. 0.01 min
Lab File: VW005276.D
Acq: 11 Sep 2018 15:27

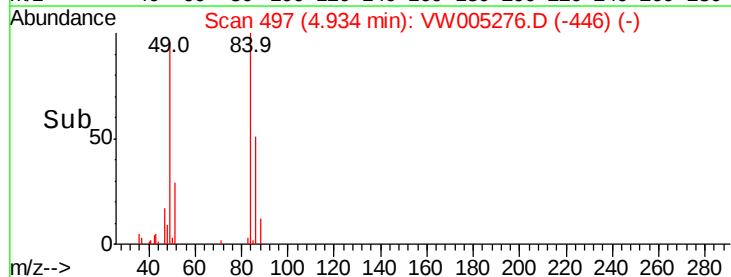
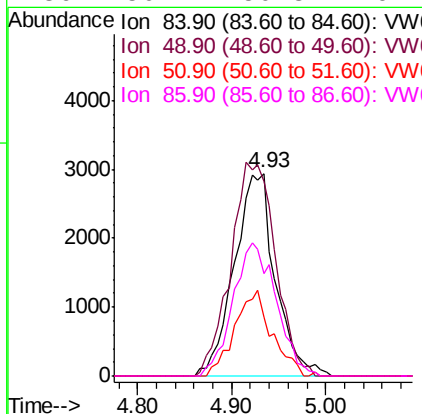
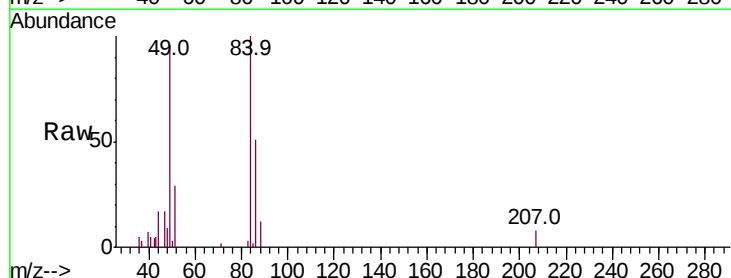
Instrument :
MSVOA_W
ClientSampleId :

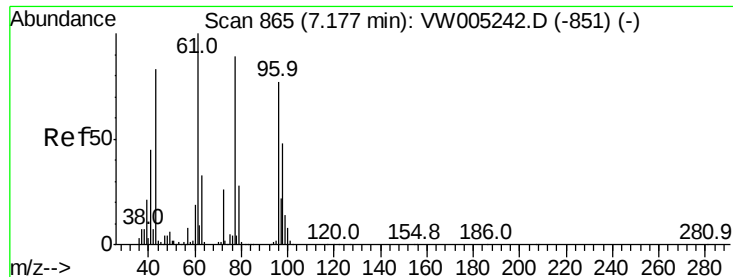
Tot Ion: 43 Resp: 11315
Ion Ratio Lower Upper
43 100
58 31.4 26.7 40.1



#20
Methylene Chloride
Concen: 2.245 ug/l
RT: 4.93 min Scan# 497
Delta R.T. 0.01 min
Lab File: VW005276.D
Acq: 11 Sep 2018 15:27

Tgt Ion: 84 Resp: 8947
Ion Ratio Lower Upper
84 100
49 96.2 90.3 135.5
51 29.1 26.9 40.3
86 50.7 50.8 76.2#





#25

2-Butanone

Concen: 3.849 ug/l

RT: 7.20 min Scan# 868

Delta R.T. 0.02 min

Lab File: VW005276.D

Acq: 11 Sep 2018 15:27

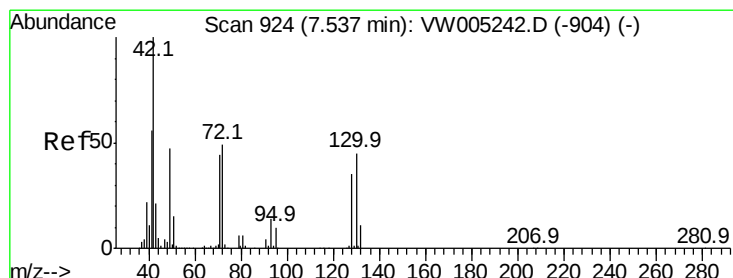
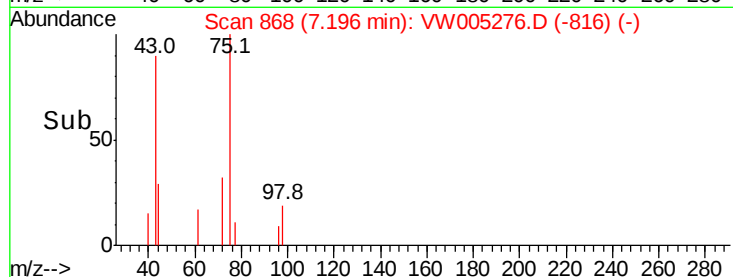
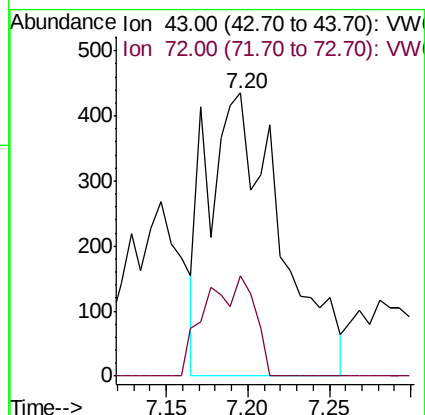
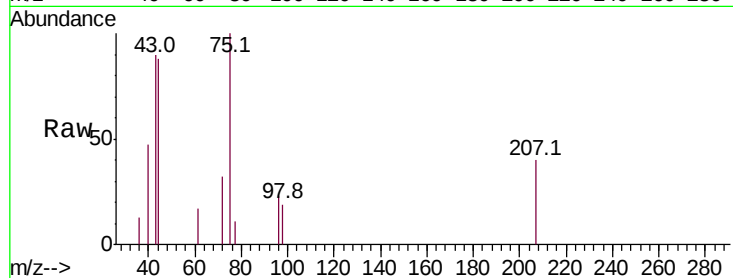
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 1356

Ion Ratio Lower Upper

43 100

72 41.7 25.0 37.6#



#29

Tetrahydrofuran

Concen: 2.157 ug/l

RT: 7.56 min Scan# 927

Delta R.T. 0.02 min

Lab File: VW005276.D

Acq: 11 Sep 2018 15:27

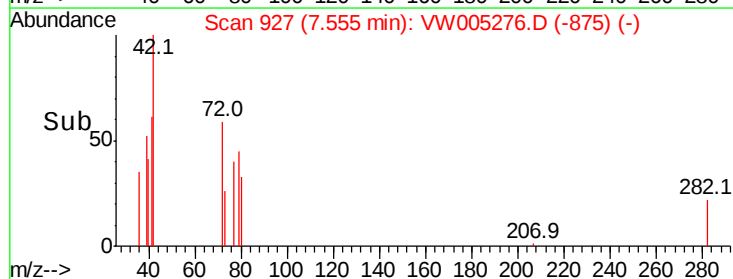
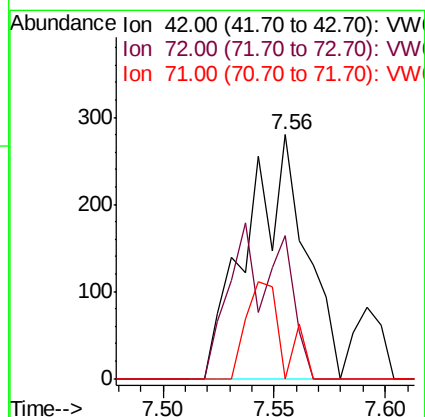
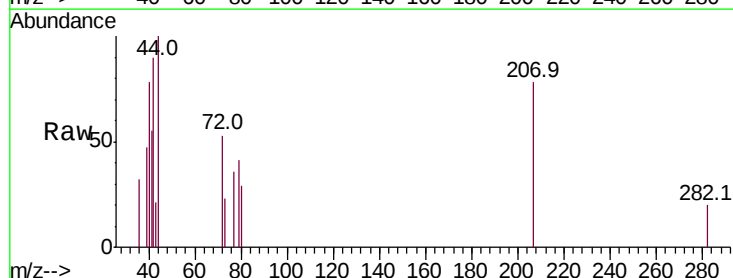
Tgt Ion: 42 Resp: 512

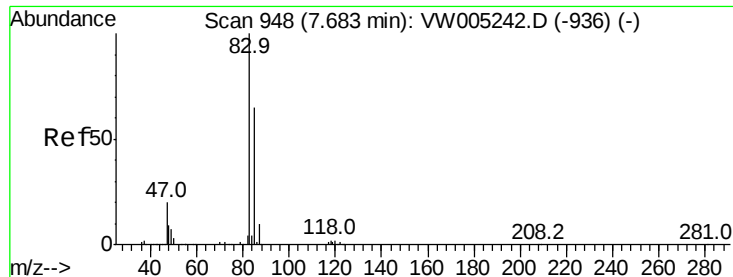
Ion Ratio Lower Upper

42 100

72 30.9 37.5 56.3#

71 24.8 34.8 52.2#

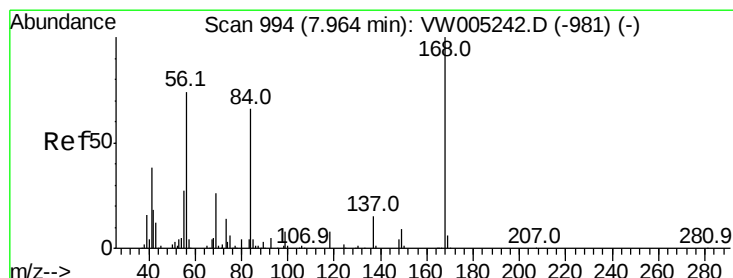
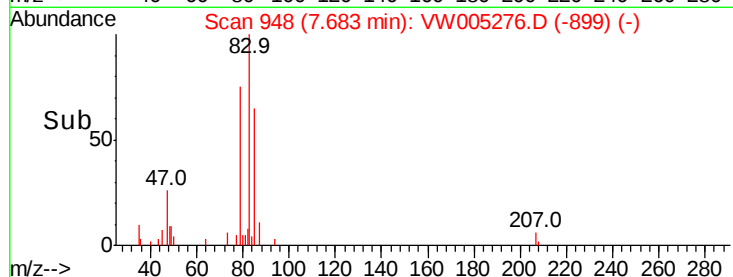
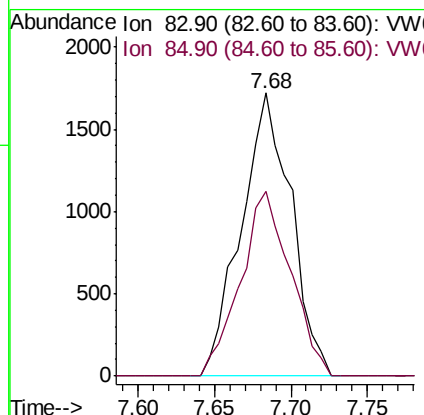
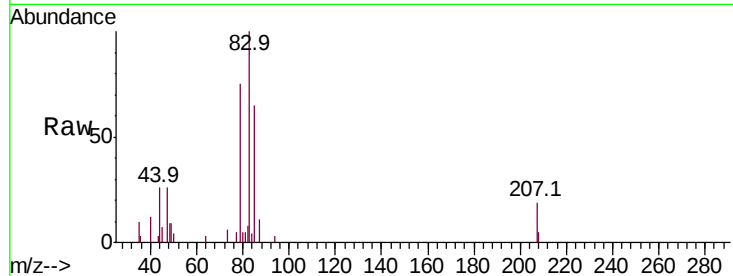




#30
Chloroform
Concen: 1.604 ug/l
RT: 7.68 min Scan# 948
Delta R.T. -0.00 min
Lab File: VW005276.D
Acq: 11 Sep 2018 15:27

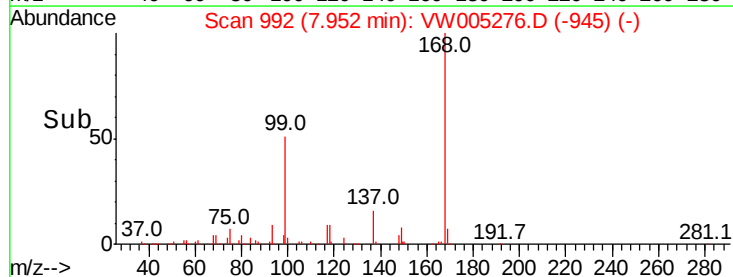
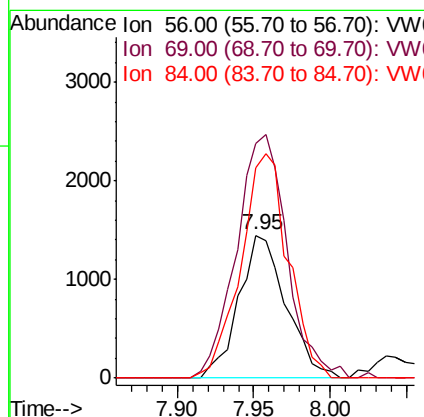
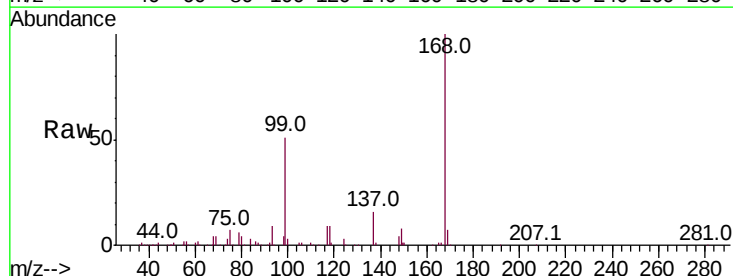
Instrument :
MSVOA_W
ClientSampleId :

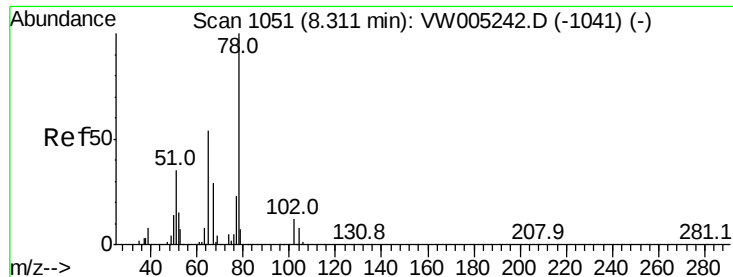
Tot Ion: 83 Resp: 3894
Ion Ratio Lower Upper
83 100
85 65.3 51.7 77.5



#31
Cyclohexane
Concen: 1.204 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW005276.D
Acq: 11 Sep 2018 15:27

Tgt Ion: 56 Resp: 3099
Ion Ratio Lower Upper
56 100
69 164.6 27.8 41.8#
84 147.8 72.1 108.1#





#33

1,2-Dichloroethane-d4

Concen: 54.057 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VW005276.D

Acq: 11 Sep 2018 15:27

Instrument :

MSVOA_W

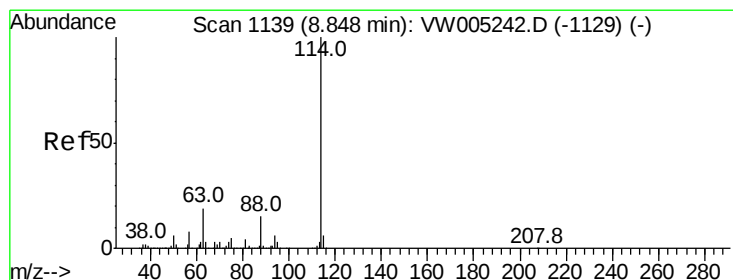
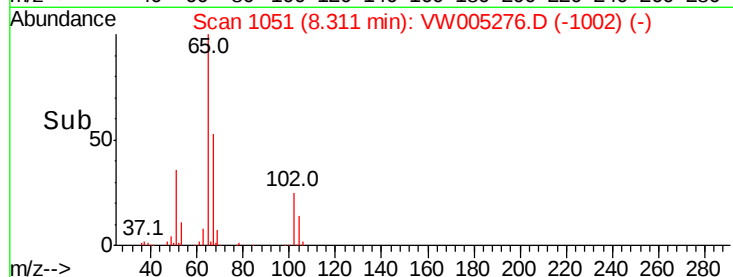
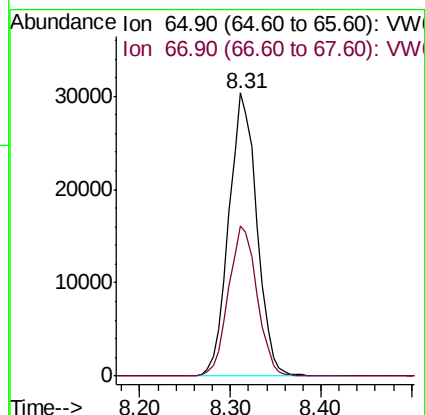
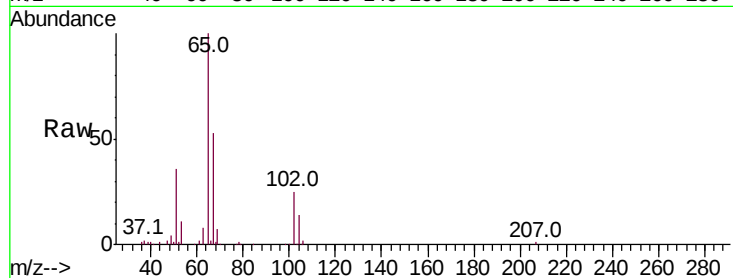
ClientSampleId :

Tot Ion: 65 Resp: 65046

Ion Ratio Lower Upper

65 100

67 54.2 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: VW005276.D

Acq: 11 Sep 2018 15:27

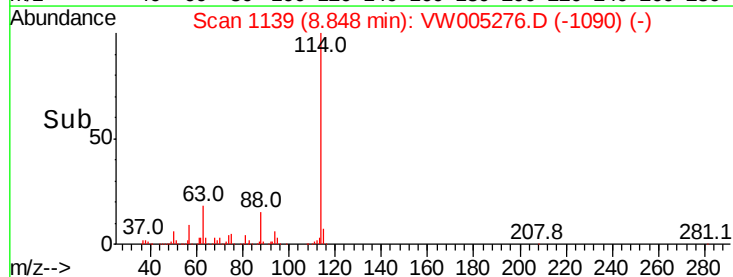
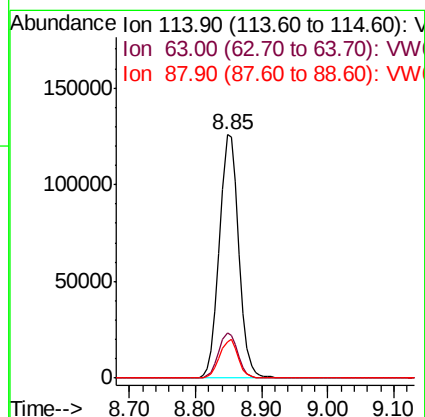
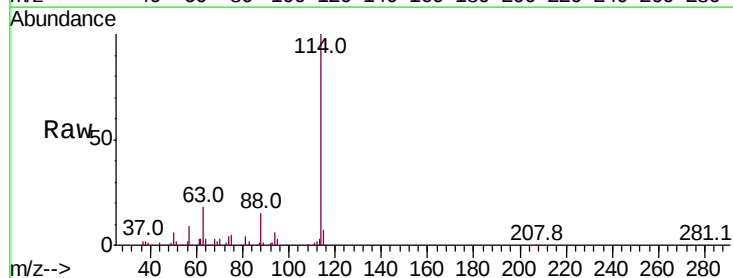
Tgt Ion: 114 Resp: 254609

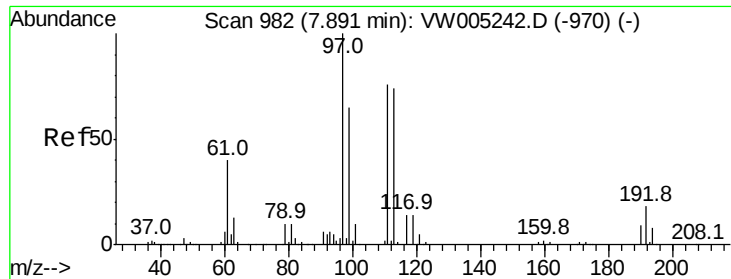
Ion Ratio Lower Upper

114 100

63 18.5 0.0 37.0

88 15.0 0.0 30.4

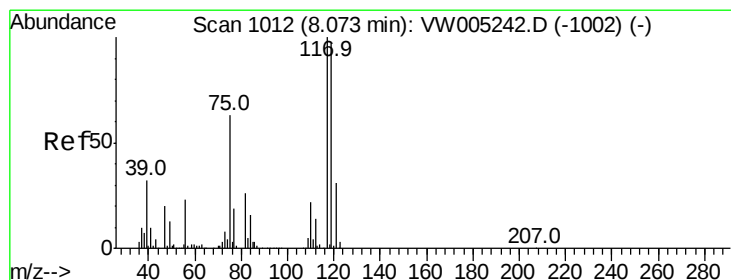
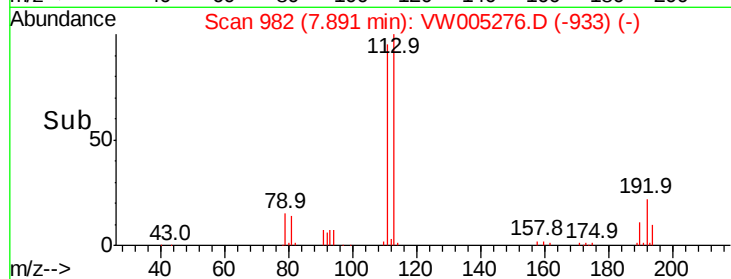
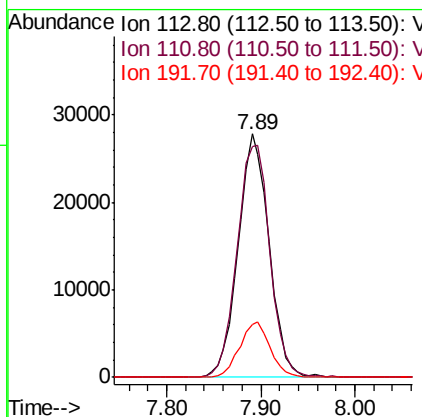
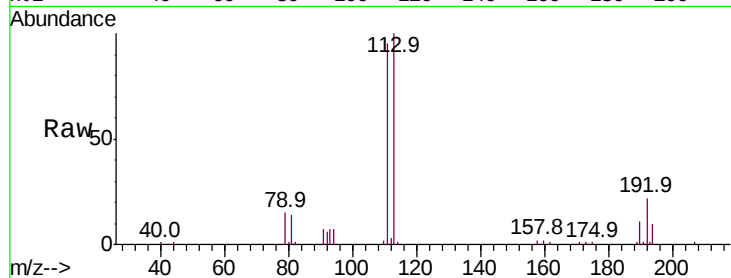




#35
 Dibromofluoromethane
 Concen: 47.810 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. -0.00 min
 Lab File: VW005276.D
 Acq: 11 Sep 2018 15:27

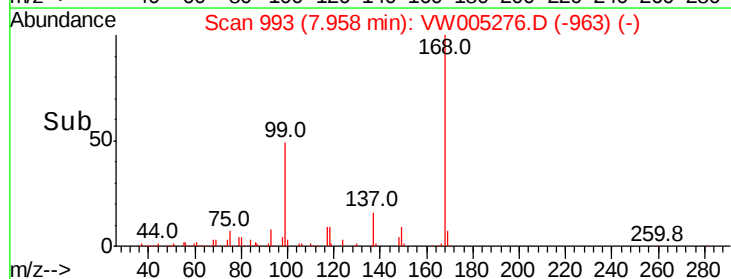
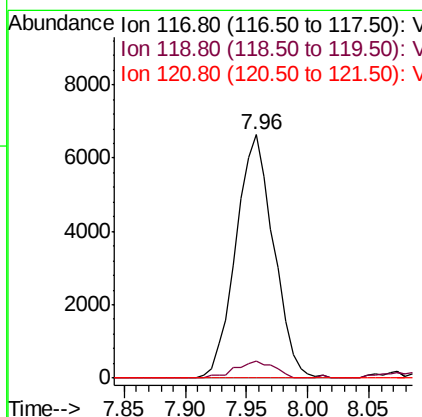
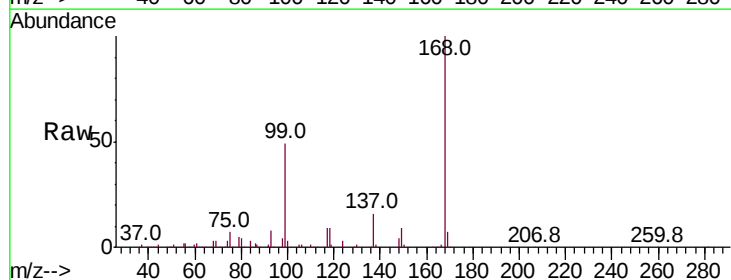
Instrument :
 MSVOA_W
 ClientSampleId :

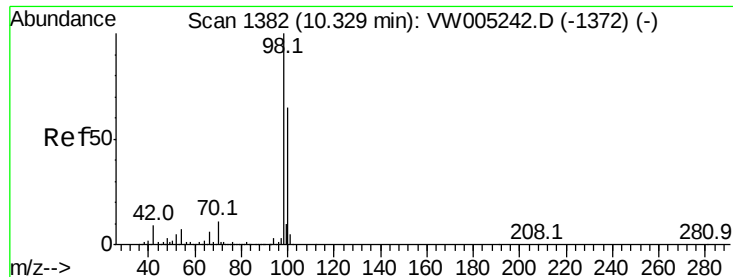
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.7	80.6	121.0
192	22.5	18.3	27.5



#38
 Carbon Tetrachloride
 Concen: 6.494 ug/l
 RT: 7.96 min Scan# 993
 Delta R.T. -0.12 min
 Lab File: VW005276.D
 Acq: 11 Sep 2018 15:27

Tgt Ion	Ratio	Lower	Upper
117	100		
119	7.1	77.5	116.3#
121	0.0	24.7	37.1#





#50

Toluene-d8

Concen: 39.021 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW005276.D

Acq: 11 Sep 2018 15:27

Instrument :

MSVOA_W

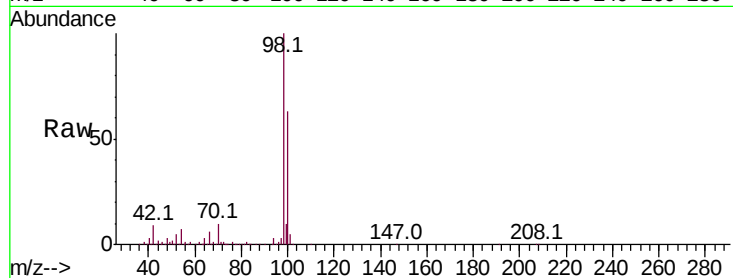
ClientSampleId :

Tot Ion: 98 Resp: 262986

Ion Ratio Lower Upper

98 100

100 63.9 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

10.33

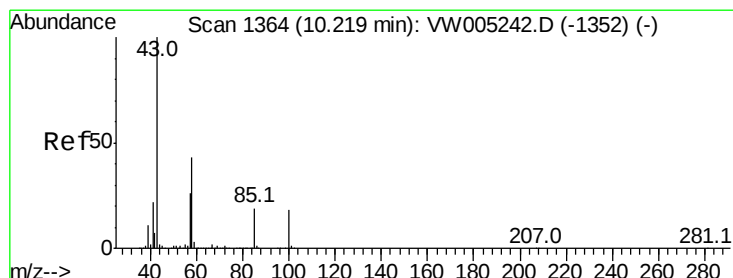
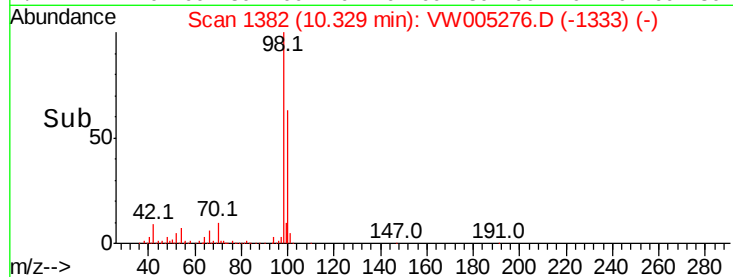
150000

100000

50000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 1.070 ug/l

RT: 10.22 min Scan# 1364

Delta R.T. -0.00 min

Lab File: VW005276.D

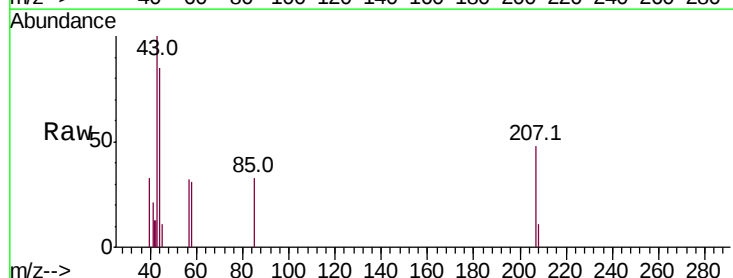
Acq: 11 Sep 2018 15:27

Tgt Ion: 43 Resp: 992

Ion Ratio Lower Upper

43 100

58 34.2 33.8 50.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

10.22

500

400

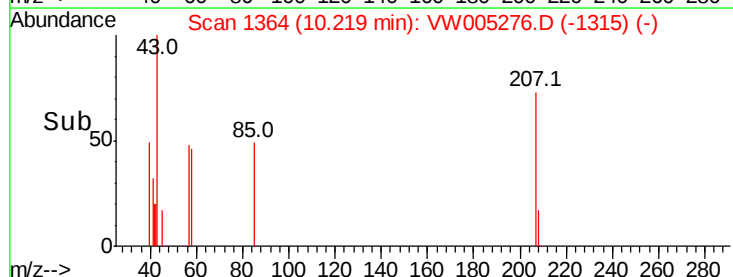
300

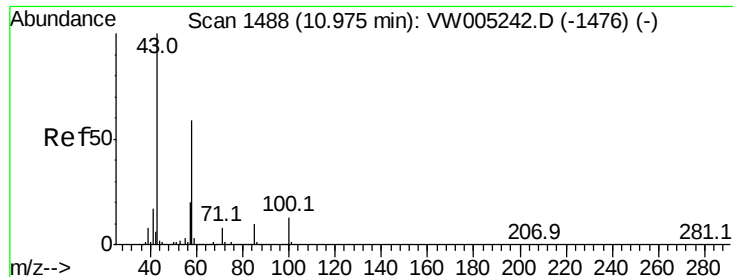
200

100

0

Time-->

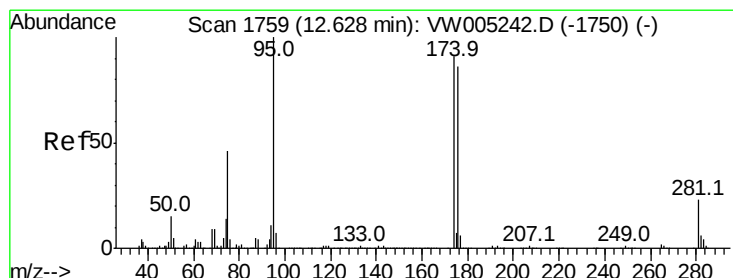
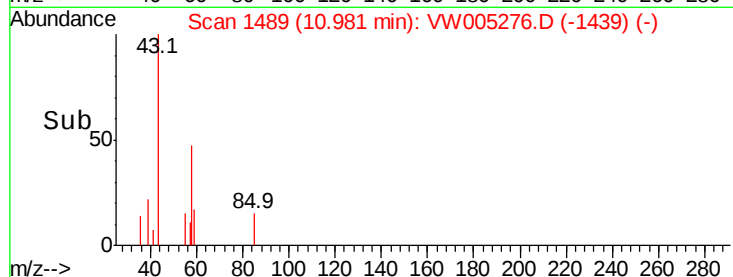
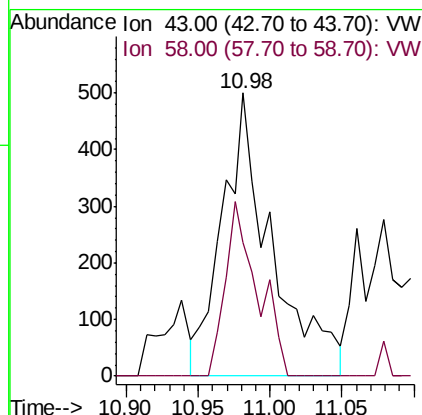
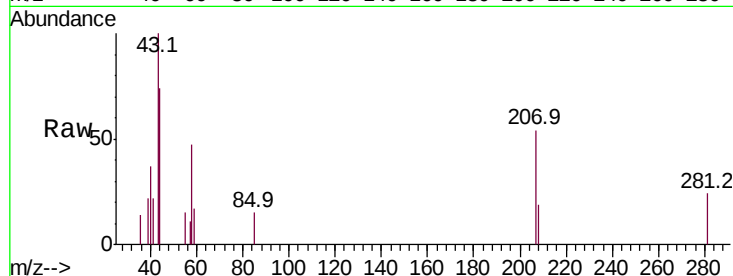




#59
2-Hexanone
Concen: 1.773 ug/l
RT: 10.98 min Scan# 1489
Delta R.T. 0.01 min
Lab File: VW005276.D
Acq: 11 Sep 2018 15:27

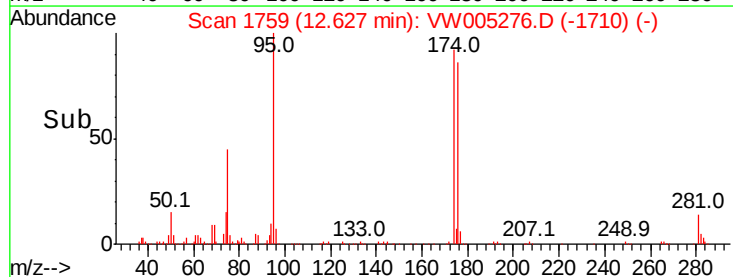
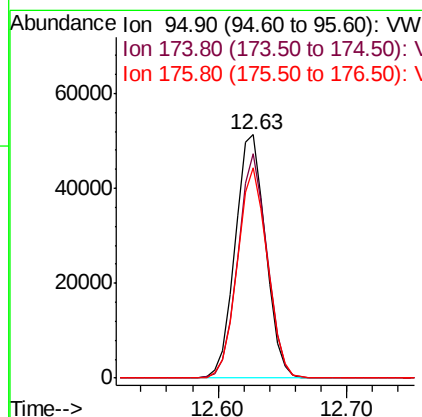
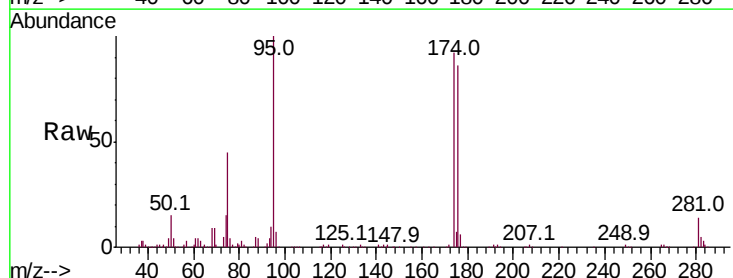
Instrument :
MSVOA_W
ClientSampled :

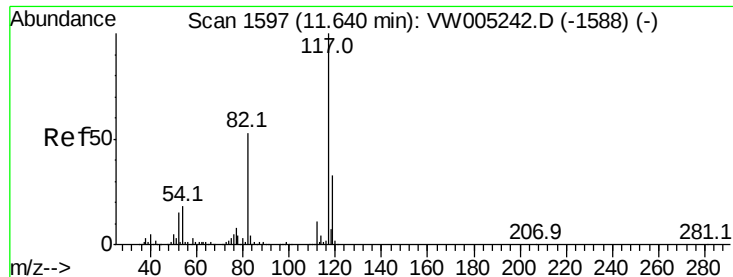
Tot Ion: 43 Resp: 1185
Ion Ratio Lower Upper
43 100
58 40.9 29.3 87.9



#62
4-Bromofluorobenzene
Concen: 34.116 ug/l
RT: 12.63 min Scan# 1759
Delta R.T. -0.00 min
Lab File: VW005276.D
Acq: 11 Sep 2018 15:27

Tgt Ion: 95 Resp: 84100
Ion Ratio Lower Upper
95 100
174 88.3 0.0 174.6
176 85.0 0.0 167.6

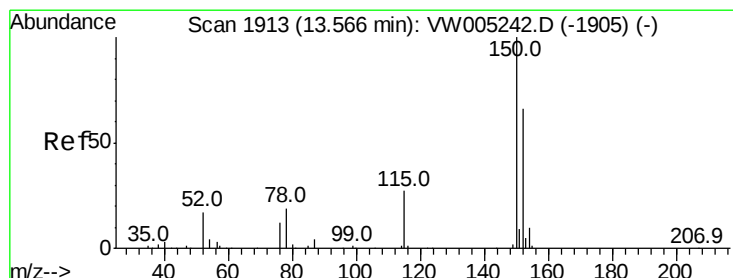
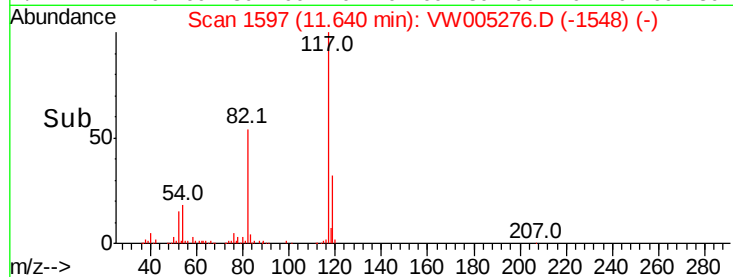
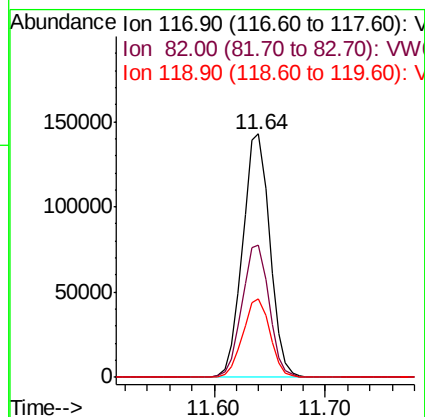
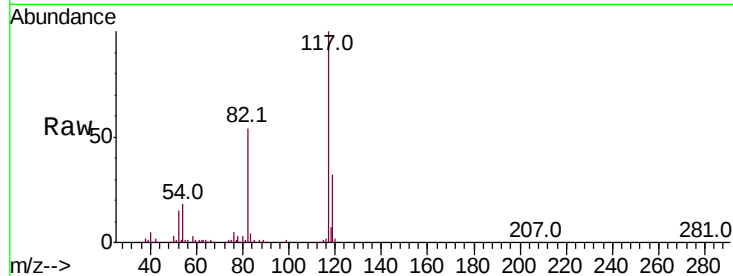




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1597
Delta R.T. -0.00 min
Lab File: VW005276.D
Acq: 11 Sep 2018 15:27

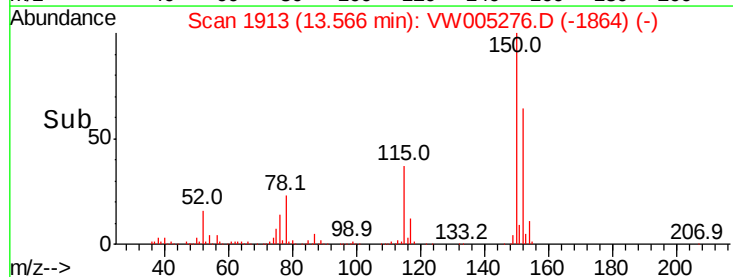
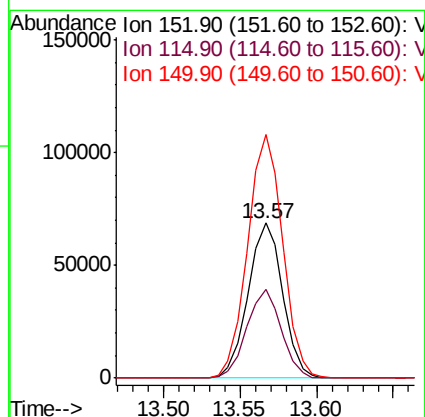
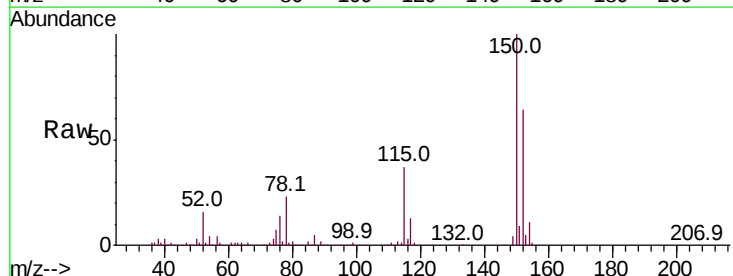
Instrument :
MSVOA_W
ClientSampled :

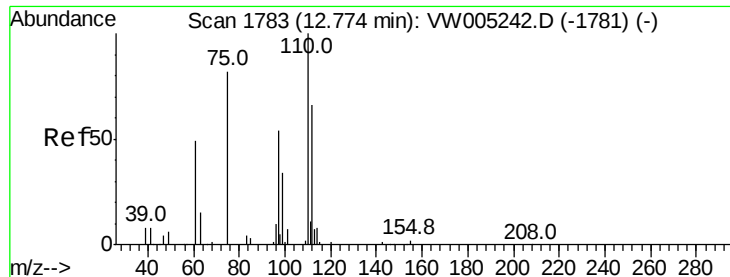
Tot Ion	Ratio	Lower	Upper
117	100		
82	54.2	42.6	63.8
119	32.4	26.2	39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. -0.00 min
Lab File: VW005276.D
Acq: 11 Sep 2018 15:27

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.1	27.5	82.4
150	158.3	0.0	347.4



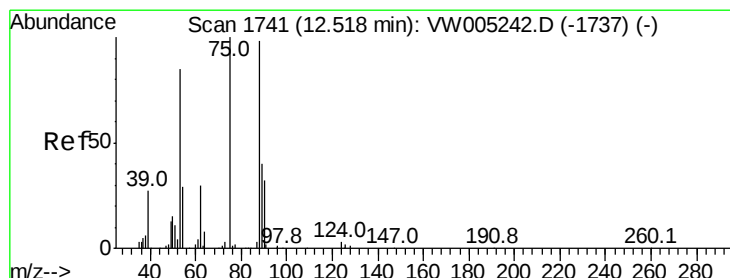
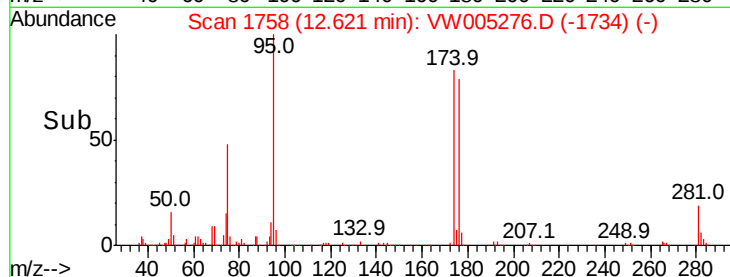
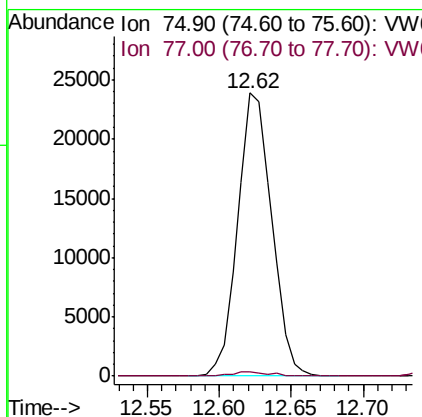
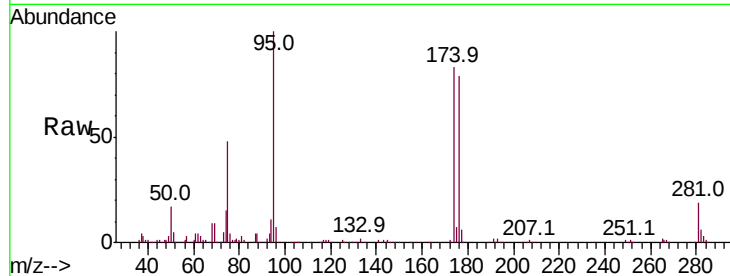


#76

1,2,3-Trichloropropane
Concen: 46.960 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.15 min
Lab File: VW005276.D
Acq: 11 Sep 2018 15:27

Instrument :
MSVOA_W
ClientSampled :

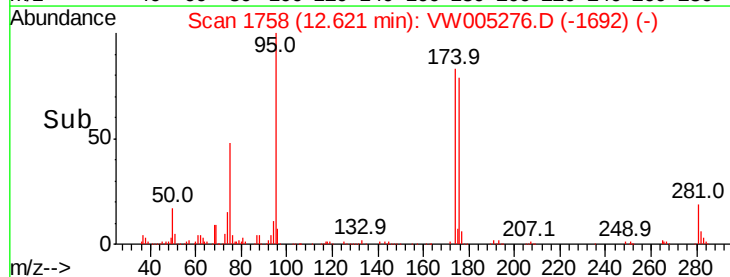
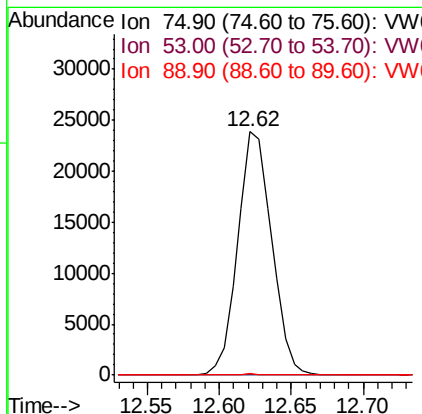
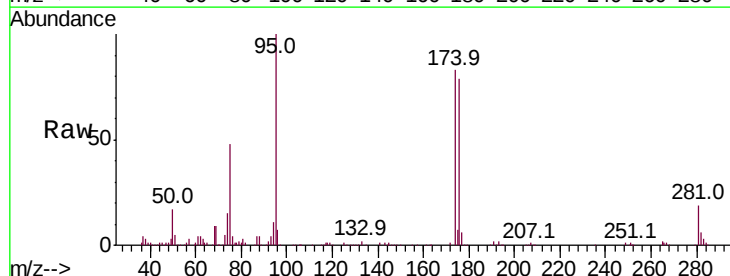
Tot Ion: 75 Resp: 39175
Ion Ratio Lower Upper
75 100
77 1.7 0.0 0.0#

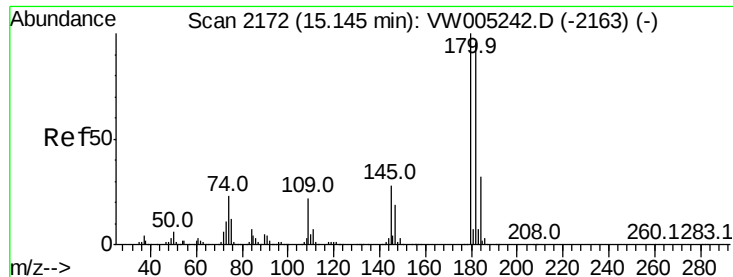


#81

trans-1,4-Dichloro-2-butene
Concen: 110.131 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.10 min
Lab File: VW005276.D
Acq: 11 Sep 2018 15:27

Tgt Ion: 75 Resp: 39175
Ion Ratio Lower Upper
75 100
53 0.1 67.0 100.6#
89 0.2 37.0 55.4#

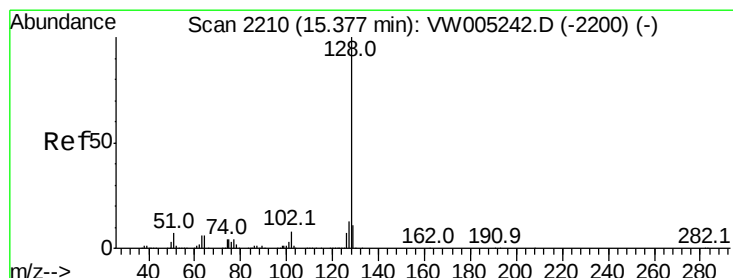
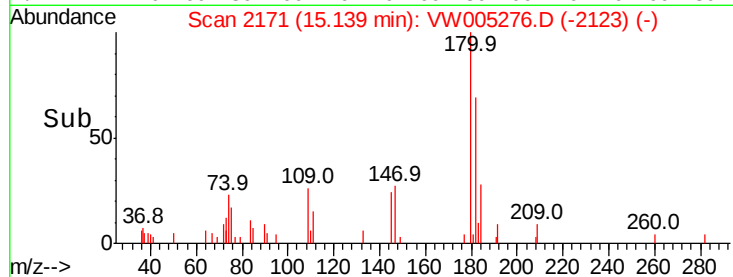
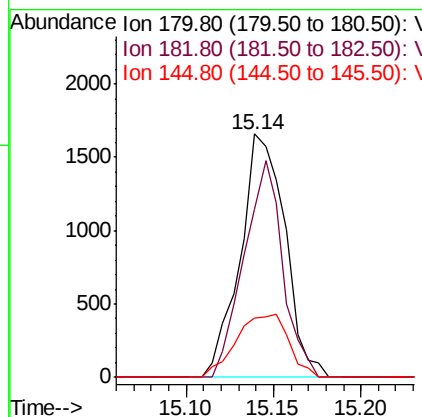
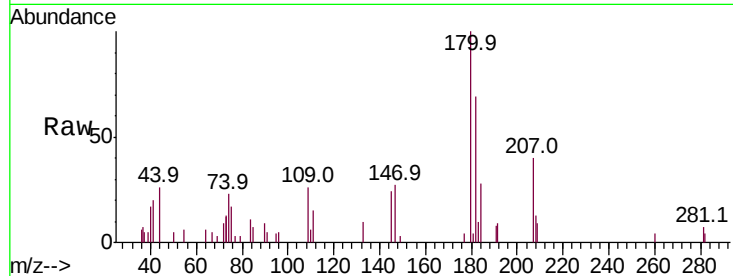




#93
 1,2,4-Trichlorobenzene
 Concen: 1.251 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.01 min
 Lab File: VW005276.D
 Acq: 11 Sep 2018 15:27

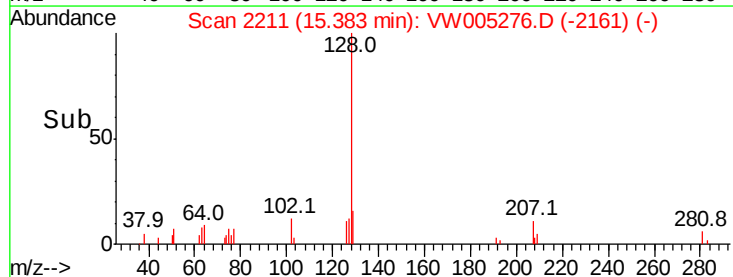
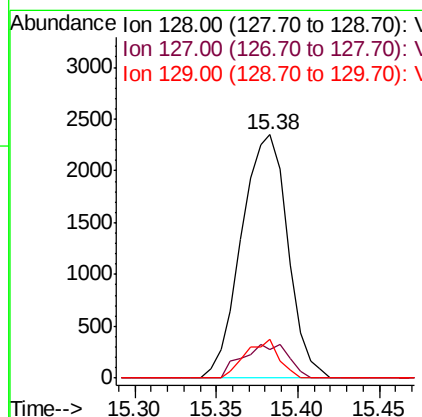
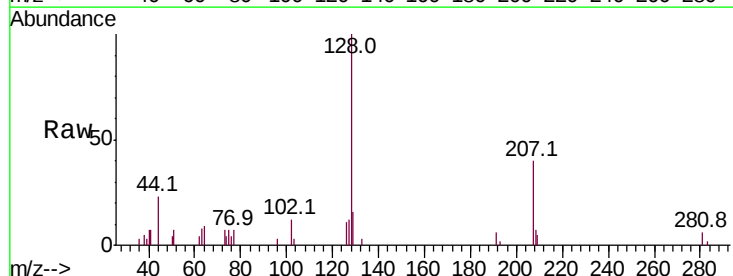
Instrument :
 MSVOA_W
 ClientSampleId :

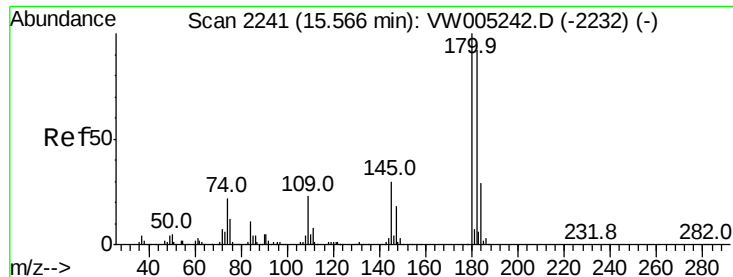
Tot Ion	Ratio	Lower	Upper
180	100		
182	77.1	48.1	144.4
145	30.1	14.5	43.6



#95
 Naphthalene
 Concen: 1.215 ug/l
 RT: 15.38 min Scan# 2211
 Delta R.T. 0.01 min
 Lab File: VW005276.D
 Acq: 11 Sep 2018 15:27

Tgt Ion	Ratio	Lower	Upper
128	100		
127	14.0	10.3	15.5
129	11.5	8.8	13.2





#96

1,2,3-Trichlorobenzene

Concen: 1.220 ug/l

RT: 15.57 min Scan# 2241

Delta R.T. -0.00 min

Lab File: VW005276.D

Acq: 11 Sep 2018 15:27

Instrument :

MSVOA_W

ClientSampleId :

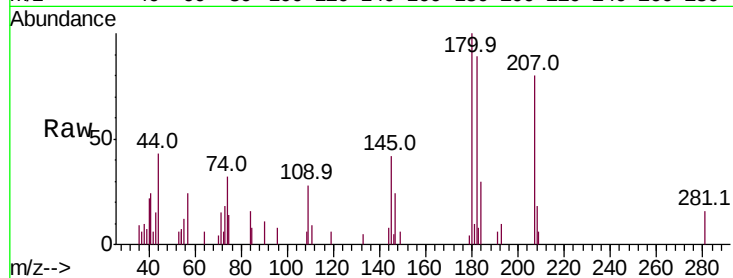
Tot Ion:180 Resp: 2475

Ion Ratio Lower Upper

180 100

182 98.5 47.2 141.6

145 34.9 15.2 45.6



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

