

Data File : VW005142.D
Acq On : 05 Sep 2018 20:52
Operator : SY/AP
Sample : J4712-09RE
Misc : 6.45G/5ML/MSVOA_W/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SB-06RE

Quant Time: Sep 06 01:22:42 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W090118S.M
Quant Title : SW846 8260
QLast Update : Sat Sep 01 03:35:05 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	545467	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	857044	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	794211	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	326844	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	298561	66.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	132.06%	
35) Dibromofluoromethane	7.89	113	273196	55.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.32%	
50) Toluene-d8	10.33	98	1158444	50.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.52%	
62) 4-Bromofluorobenzene	12.63	95	359990	44.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.48%	

Target Compounds

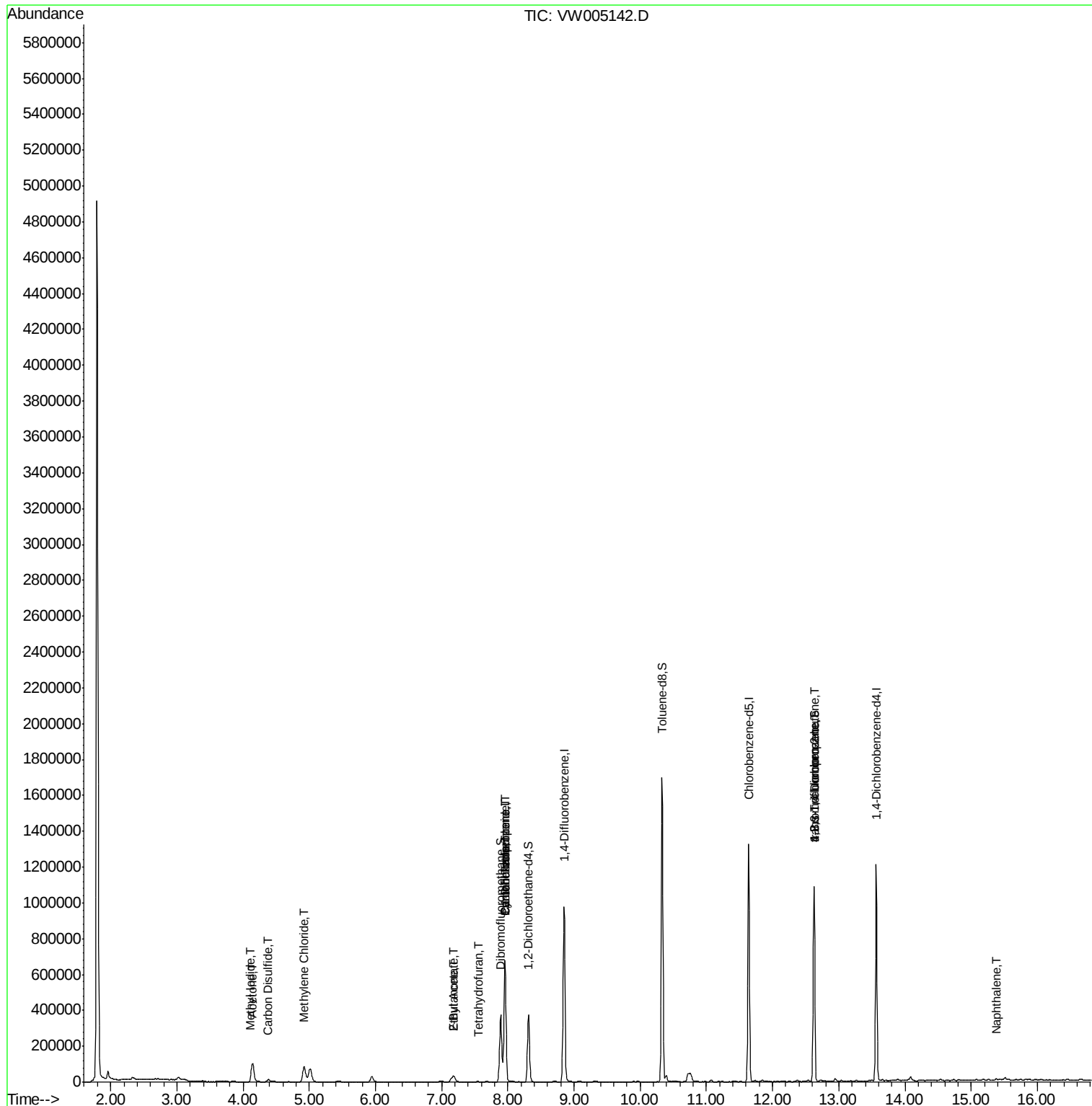
						Qvalue
5) Bromomethane	2.76	94	843	Below Cal	#	64
10) Methyl Iodide	4.11	142	21	3.821	ug/l #	44
11) Tert butyl alcohol	5.18	59	373	Below Cal	#	72
16) Acetone	4.14	43	187881	207.188	ug/l	98
17) Carbon Disulfide	4.38	76	24904	1.620	ug/l	98
20) Methylene Chloride	4.92	84	67809	7.782	ug/l	99
25) 2-Butanone	7.19	43	47425	30.152	ug/l	98
29) Tetrahydrofuran	7.55	42	1312	1.633	ug/l #	91
31) Cyclohexane	7.96	56	10127	1.140	ug/l #	1
36) 1,1-Dichloropropene	7.96	75	37682	4.617	ug/l #	47
37) Ethyl Acetate	7.19	43	47425	15.536	ug/l #	67
38) Carbon Tetrachloride	7.96	117	48766	6.283	ug/l #	17
76) 1,2,3-Trichloropropane	12.62	75	168229	68.571	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	168229	165.042	ug/l #	15
95) Naphthalene	15.38	128	7598	4.573	ug/l	98

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

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.96 min Scan# 1045

Delta R.T. 0.00 min

Lab File: VW005142.D

Acq: 05 Sep 2018 20:52

Instrument :

MSVOA_W

ClientSampleId :

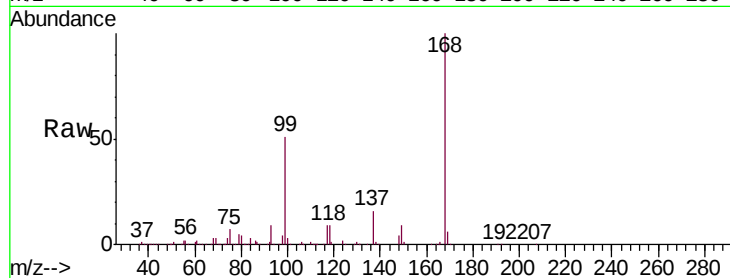
SB-06RE

Tgt Ion:168 Resp: 545467

Ion Ratio Lower Upper

168 100

99 51.0 39.4 59.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.96

250000

200000

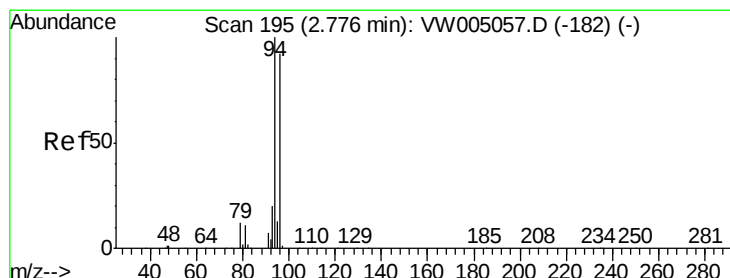
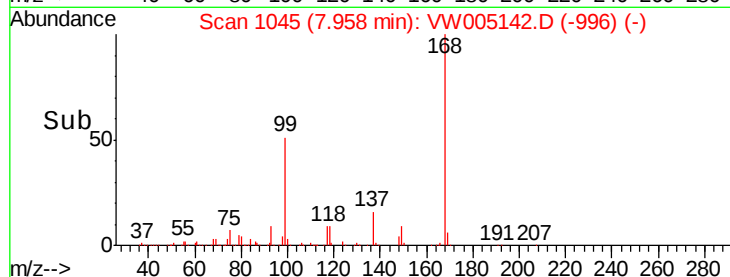
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.76 min Scan# 193

Delta R.T. -0.01 min

Lab File: VW005142.D

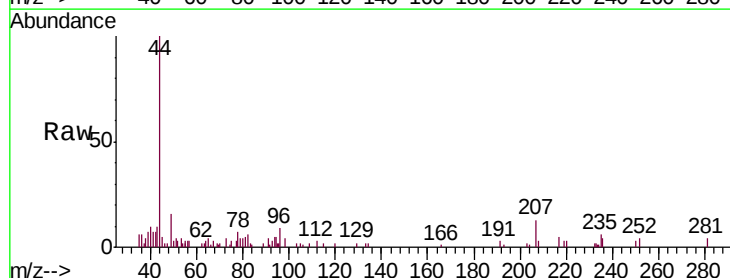
Acq: 05 Sep 2018 20:52

Tgt Ion: 94 Resp: 843

Ion Ratio Lower Upper

94 100

96 57.1 73.2 109.8#



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW

2.76

500

400

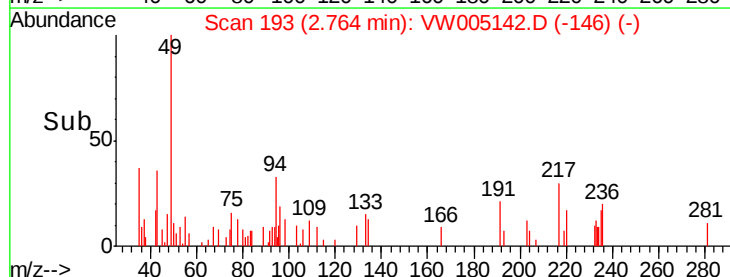
300

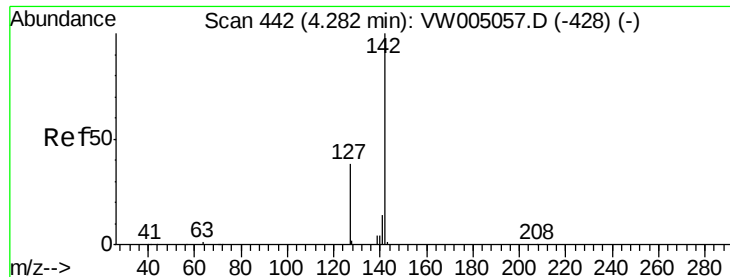
200

100

0

Time-->

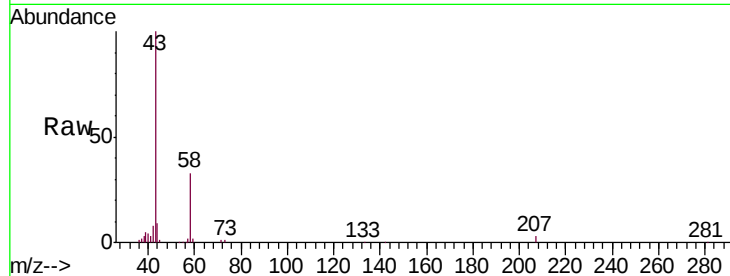




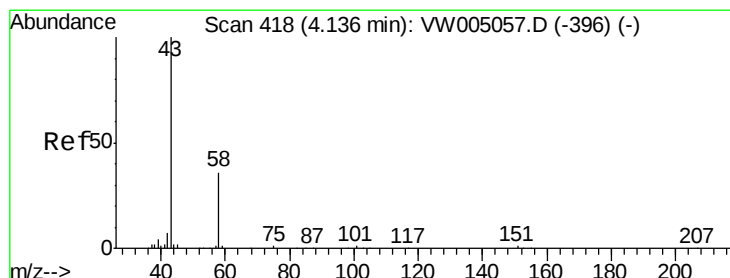
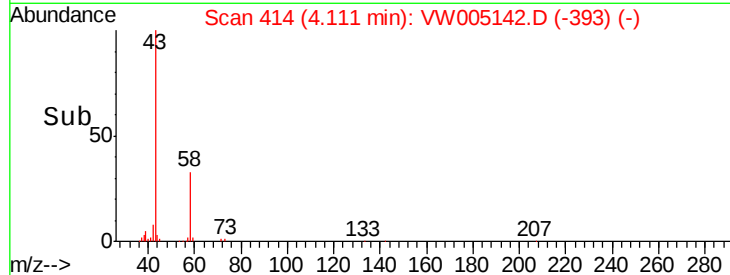
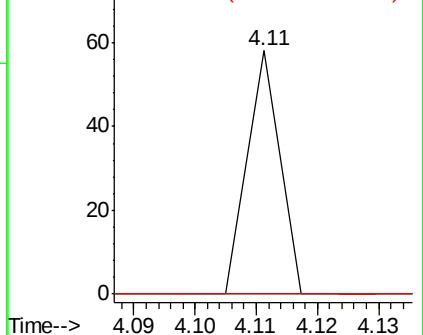
#10
Methyl Iodide
Concen: 3.821 ug/l
RT: 4.11 min Scan# 414
Delta R.T. -0.17 min
Lab File: VW005142.D
Acq: 05 Sep 2018 20:52

Instrument :
MSVOA_W
ClientSampleId :
SB-06RE

Tgt Ion	Ratio	Lower	Upper
142	100		
127	0.0	30.8	46.2#
141	0.0	11.6	17.4#

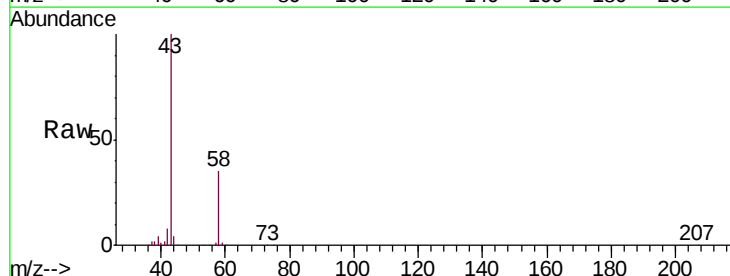


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

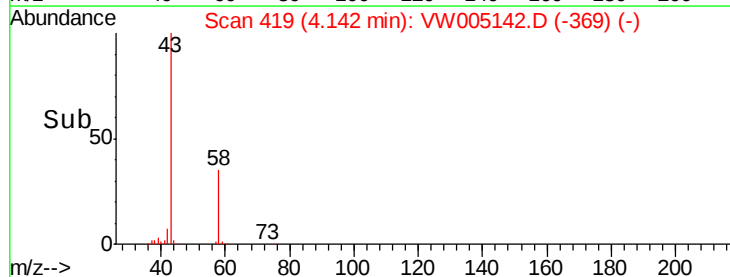
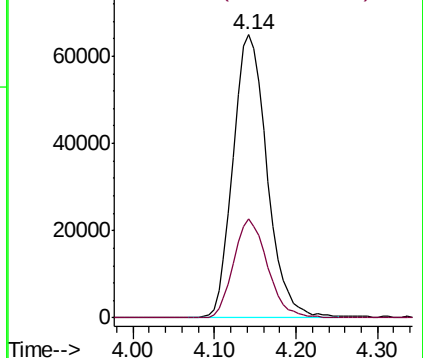


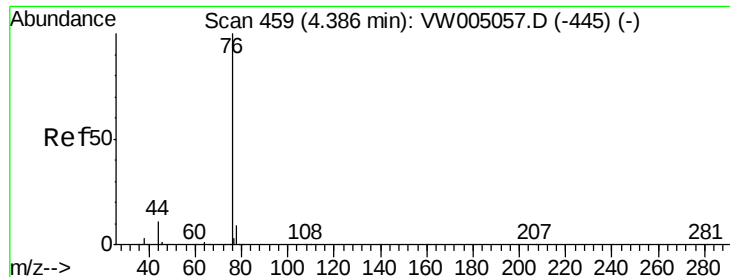
#16
Acetone
Concen: 207.188 ug/l
RT: 4.14 min Scan# 419
Delta R.T. 0.01 min
Lab File: VW005142.D
Acq: 05 Sep 2018 20:52

Tgt Ion	Ratio	Lower	Upper
43	100		
58	34.9	29.0	43.6



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





#17

Carbon Disulfide

Concen: 1.620 ug/l

RT: 4.38 min Scan# 458

Delta R.T. -0.01 min

Lab File: VW005142.D

Acq: 05 Sep 2018 20:52

Instrument :

MSVOA_W

ClientSampleId :

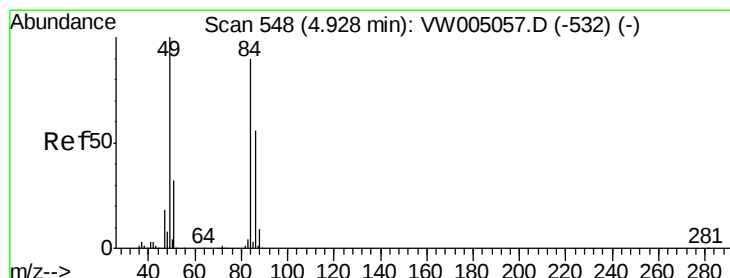
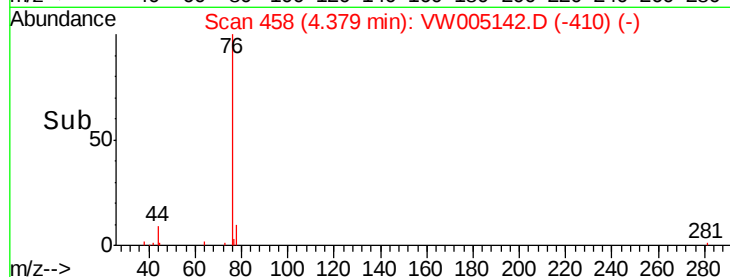
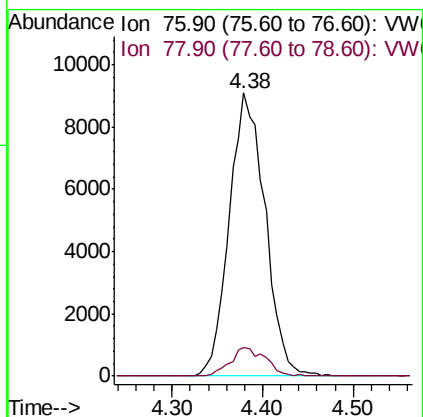
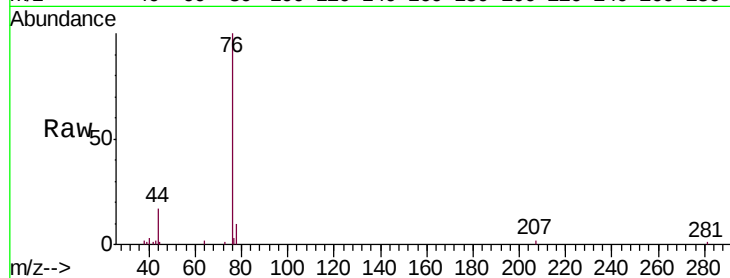
SB-06RE

Tgt Ion: 76 Resp: 24904

Ion Ratio Lower Upper

76 100

78 9.9 7.3 10.9



#20

Methylene Chloride

Concen: 7.782 ug/l

RT: 4.92 min Scan# 547

Delta R.T. -0.01 min

Lab File: VW005142.D

Acq: 05 Sep 2018 20:52

Tgt Ion: 84 Resp: 67809

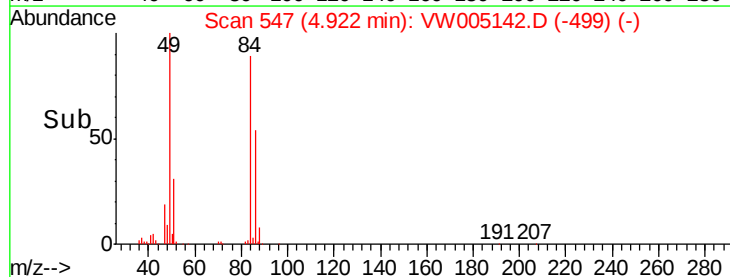
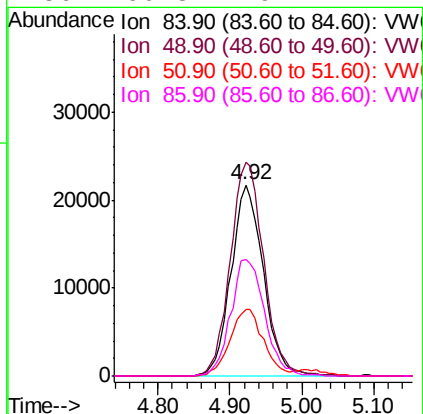
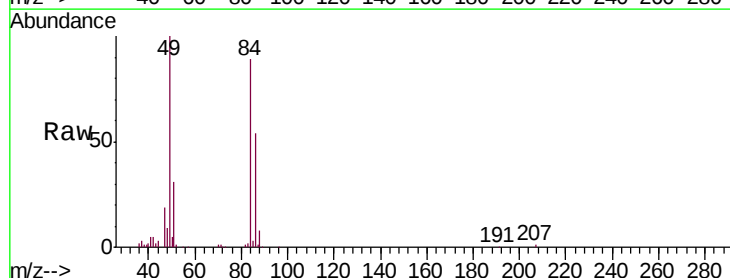
Ion Ratio Lower Upper

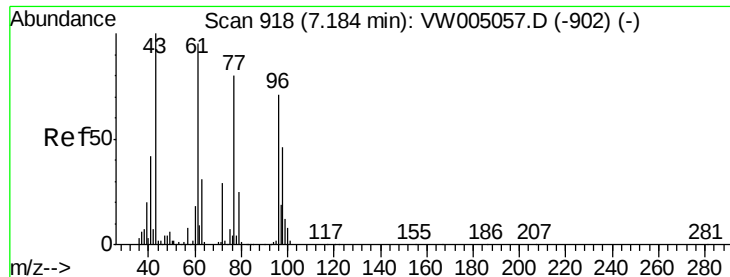
84 100

49 112.0 88.7 133.1

51 35.1 28.6 42.8

86 60.8 49.4 74.2





#25

2-Butanone

Concen: 30.152 ug/l

RT: 7.19 min Scan# 919

Delta R.T. 0.01 min

Lab File: VW005142.D

Acq: 05 Sep 2018 20:52

Instrument :

MSVOA_W

ClientSampleId :

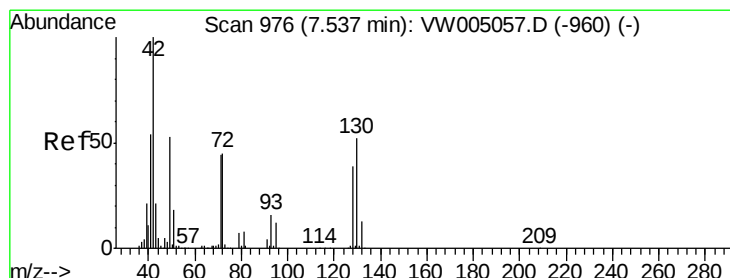
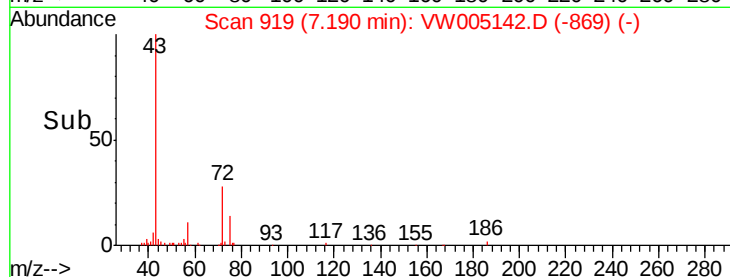
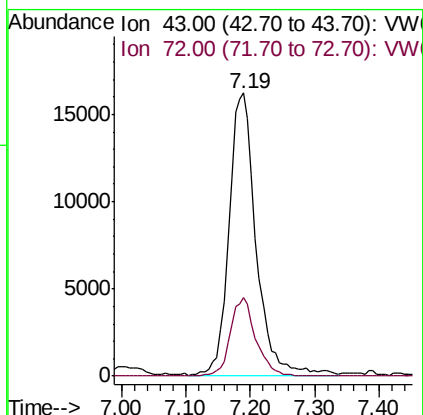
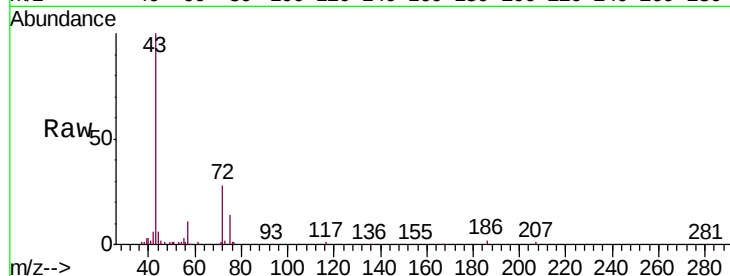
SB-06RE

Tgt Ion: 43 Resp: 47425

Ion Ratio Lower Upper

43 100

72 27.9 23.1 34.7



#29

Tetrahydrofuran

Concen: 1.633 ug/l

RT: 7.55 min Scan# 978

Delta R.T. 0.01 min

Lab File: VW005142.D

Acq: 05 Sep 2018 20:52

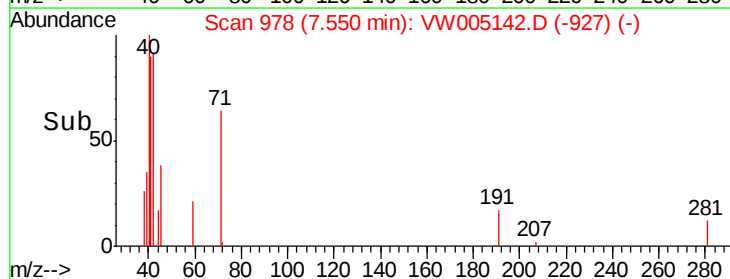
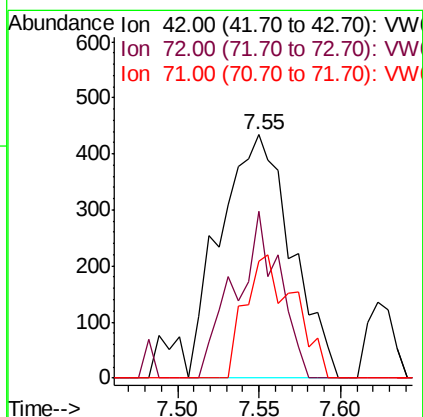
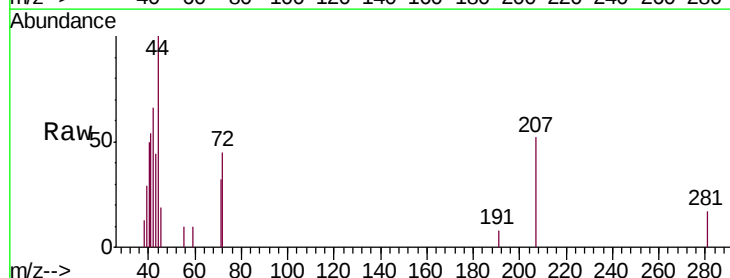
Tgt Ion: 42 Resp: 1312

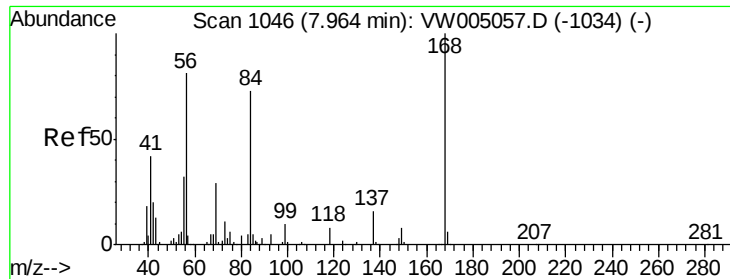
Ion Ratio Lower Upper

42 100

72 43.2 37.0 55.4

71 35.0 35.0 52.6#

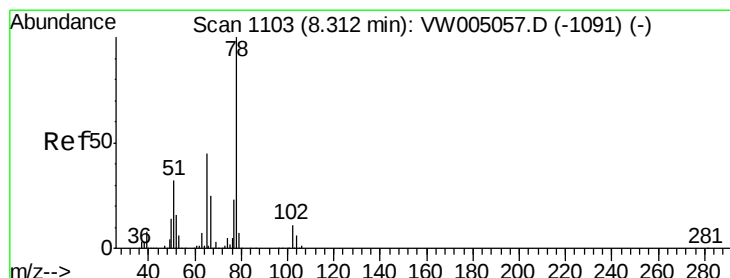
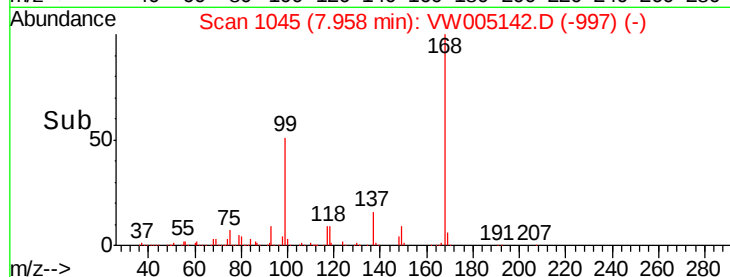
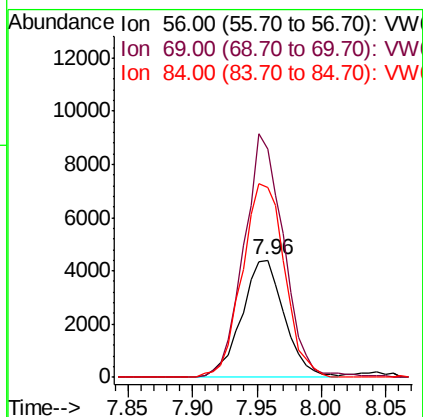
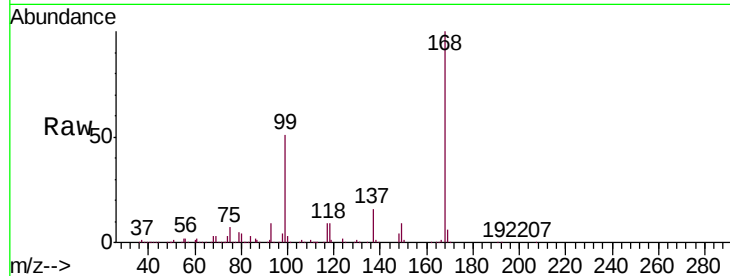




#31
Cyclohexane
Concen: 1.140 ug/l
RT: 7.96 min Scan# 1045
Delta R.T. -0.01 min
Lab File: VW005142.D
Acq: 05 Sep 2018 20:52

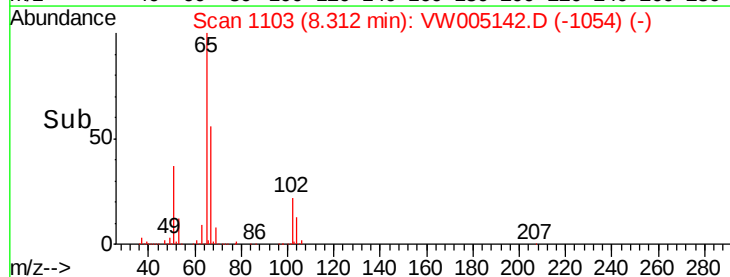
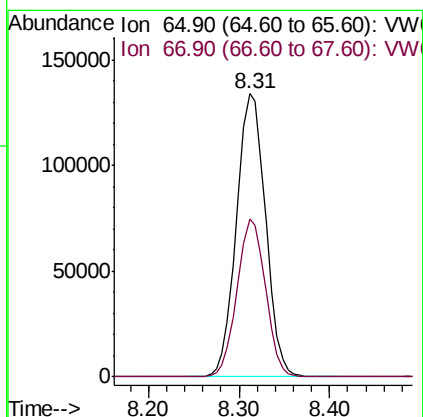
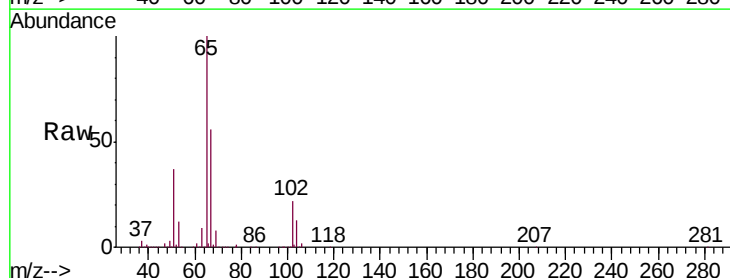
Instrument :
MSVOA_W
ClientSampled :
SB-06RE

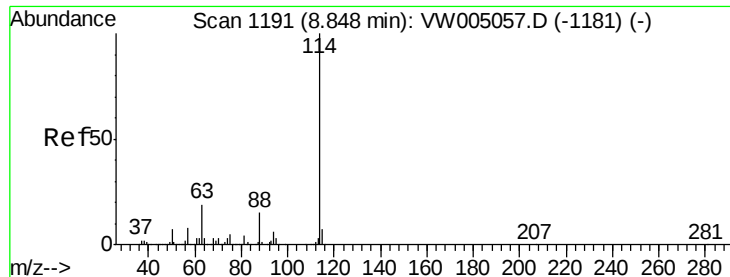
Tgt Ion: 56 Resp: 10127
Ion Ratio Lower Upper
56 100
69 194.6 28.2 42.2#
84 161.9 71.8 107.8#



#33
1,2-Dichloroethane-d4
Concen: 66.029 ug/l
RT: 8.31 min Scan# 1103
Delta R.T. 0.00 min
Lab File: VW005142.D
Acq: 05 Sep 2018 20:52

Tgt Ion: 65 Resp: 298561
Ion Ratio Lower Upper
65 100
67 54.6 0.0 109.4

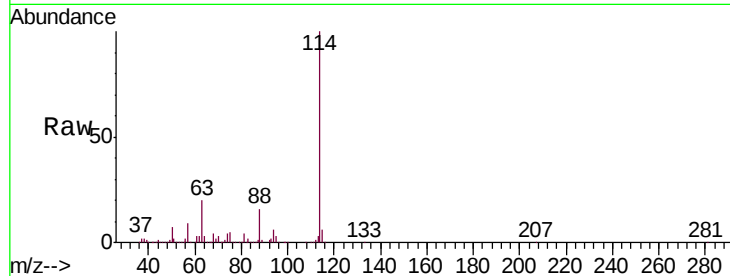




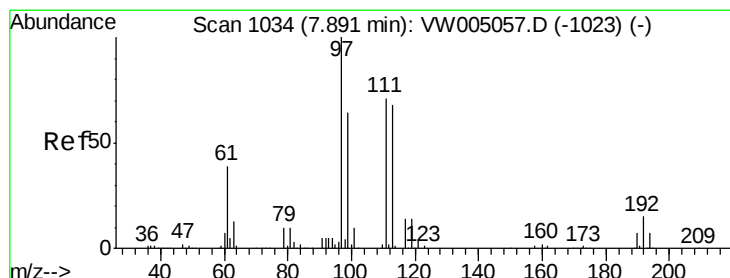
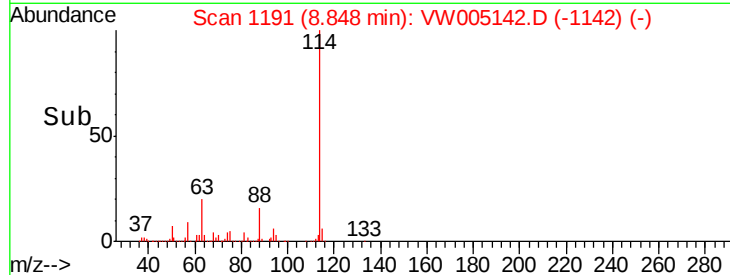
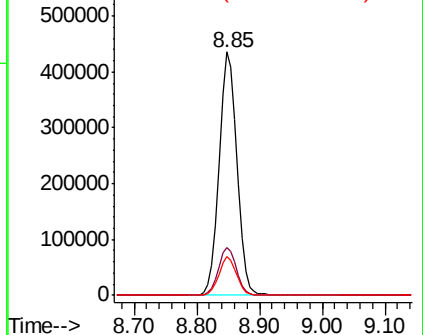
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VW005142.D
 Acq: 05 Sep 2018 20:52

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-06RE

Tgt Ion:114 Resp: 857044
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 38.0
 88 16.0 0.0 30.2

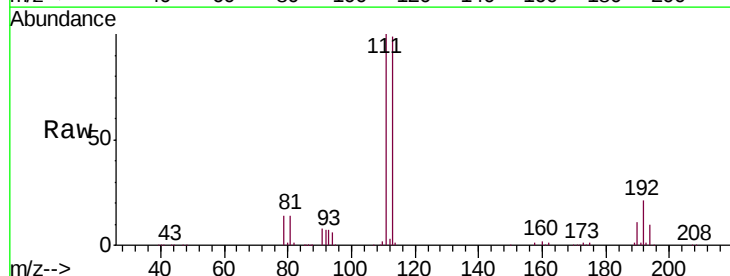


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

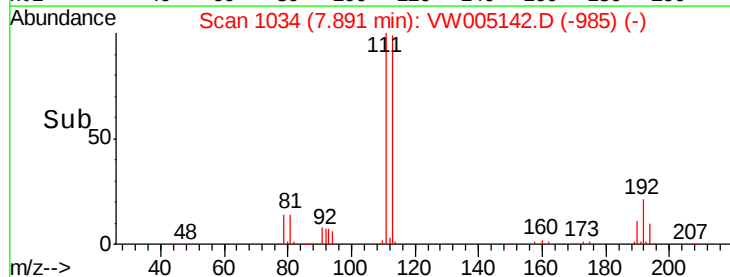
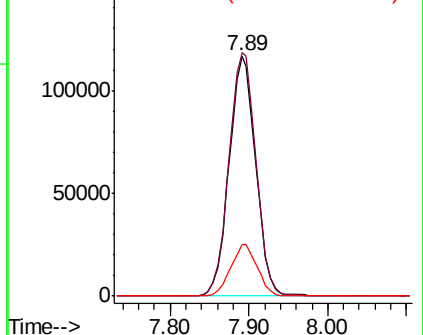


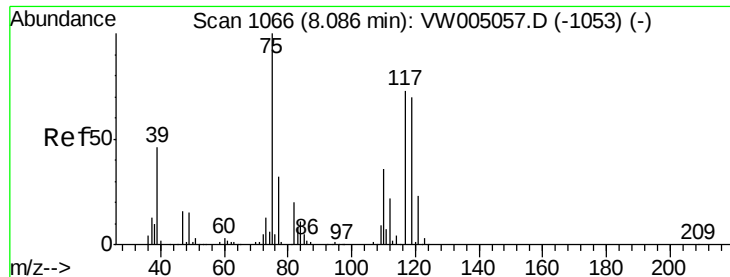
#35
 Dibromofluoromethane
 Concen: 55.161 ug/l
 RT: 7.89 min Scan# 1034
 Delta R.T. 0.00 min
 Lab File: VW005142.D
 Acq: 05 Sep 2018 20:52

Tgt Ion:113 Resp: 273196
 Ion Ratio Lower Upper
 113 100
 111 103.1 82.2 123.2
 192 21.4 18.1 27.1



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: 4.617 ug/l

RT: 7.96 min Scan# 1045

Delta R.T. -0.13 min

Lab File: VW005142.D

Acq: 05 Sep 2018 20:52

Instrument :

MSVOA_W

ClientSampleId :

SB-06RE

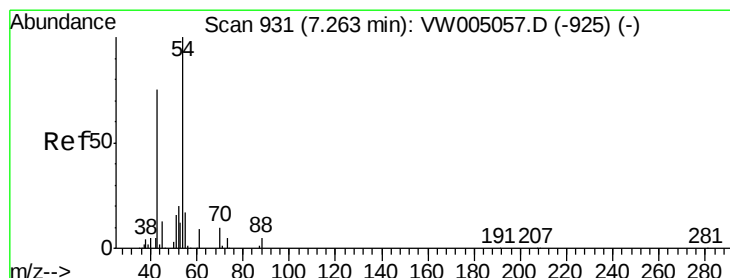
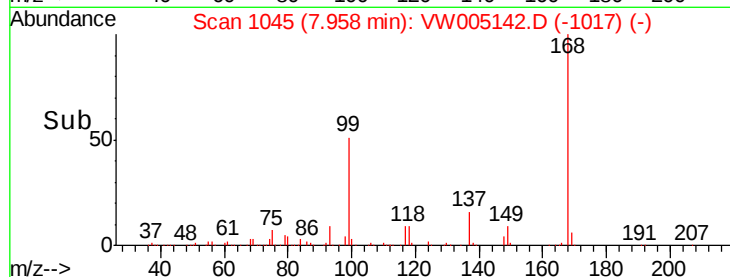
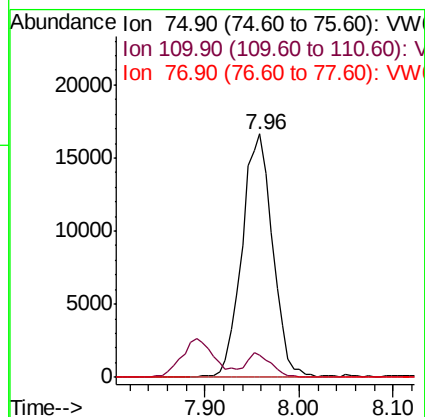
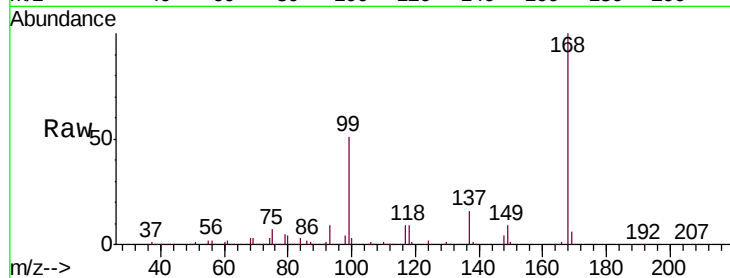
Tgt Ion: 75 Resp: 37682

Ion Ratio Lower Upper

75 100

110 8.0 18.9 56.7#

77 0.0 25.5 38.3#



#37

Ethyl Acetate

Concen: 15.536 ug/l

RT: 7.19 min Scan# 919

Delta R.T. -0.07 min

Lab File: VW005142.D

Acq: 05 Sep 2018 20:52

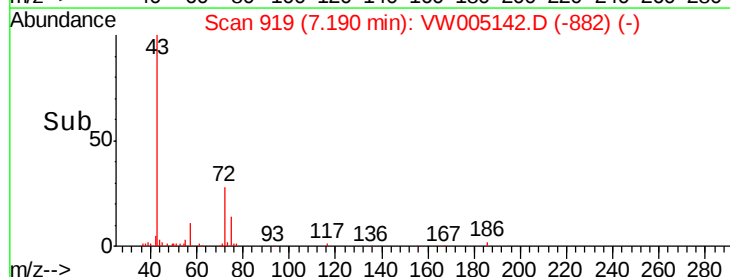
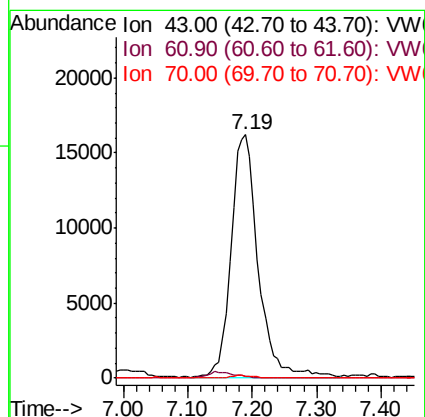
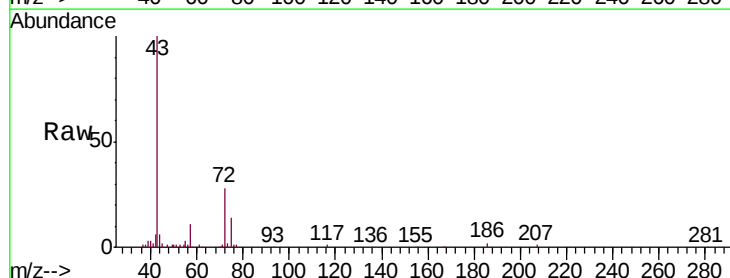
Tgt Ion: 43 Resp: 47425

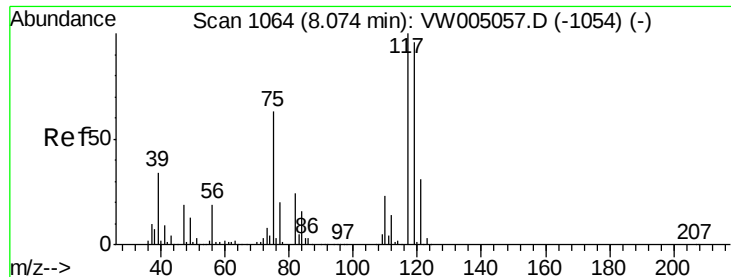
Ion Ratio Lower Upper

43 100

61 0.0 12.1 18.1#

70 0.8 9.4 14.2#

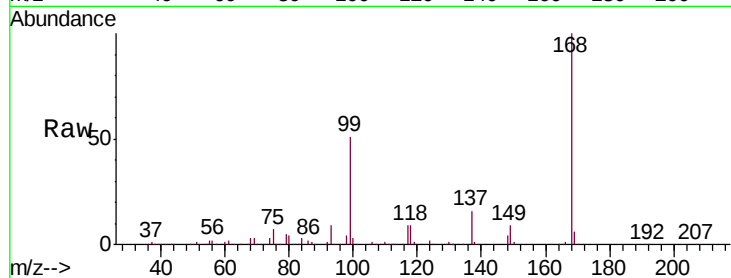




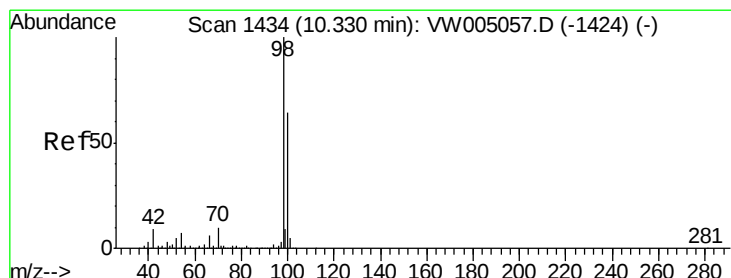
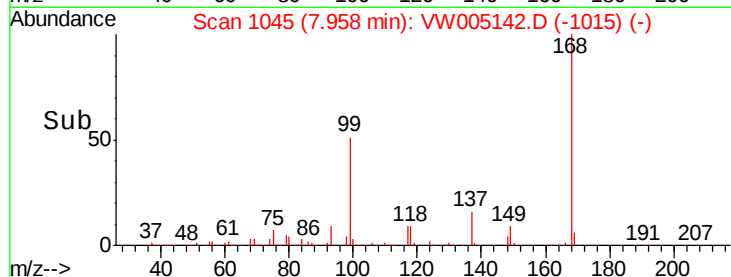
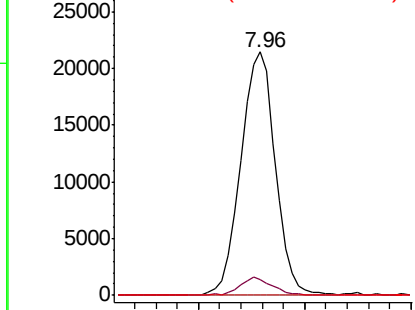
#38
Carbon Tetrachloride
Concen: 6.283 ug/l
RT: 7.96 min Scan# 1045
Delta R.T. -0.12 min
Lab File: VW005142.D
Acq: 05 Sep 2018 20:52

Instrument :
MSVOA_W
ClientSampled :
SB-06RE

Tgt Ion:117 Resp: 48766
Ion Ratio Lower Upper
117 100
119 6.4 76.6 115.0#
121 0.0 24.8 37.2#

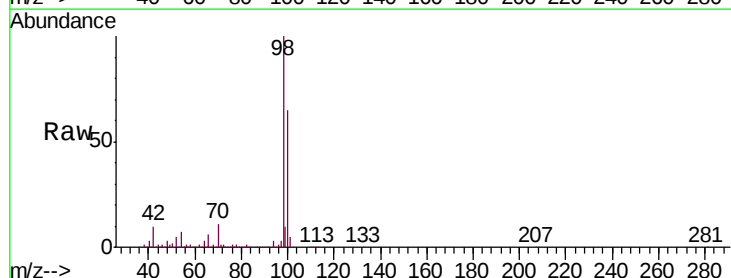


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

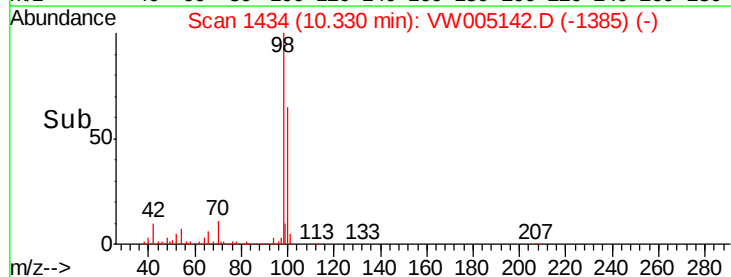
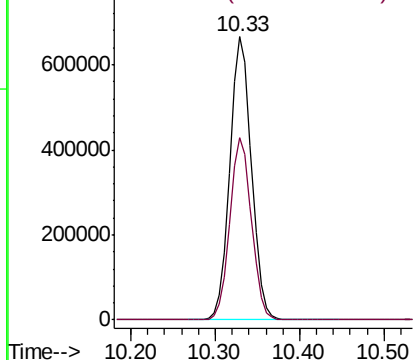


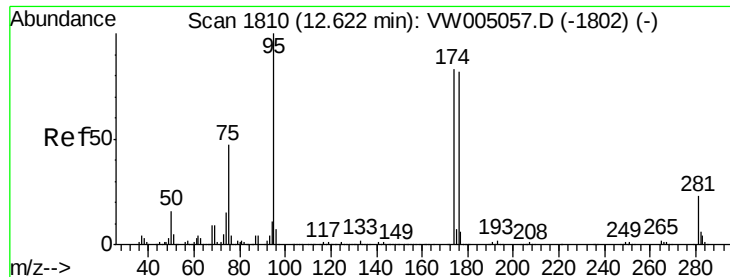
#50
Toluene-d8
Concen: 50.762 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VW005142.D
Acq: 05 Sep 2018 20:52

Tgt Ion: 98 Resp: 1158444
Ion Ratio Lower Upper
98 100
100 64.3 51.7 77.5



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

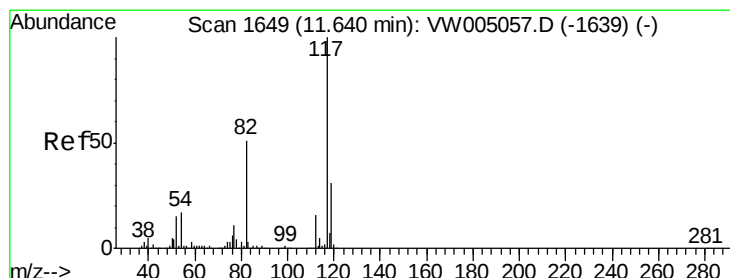
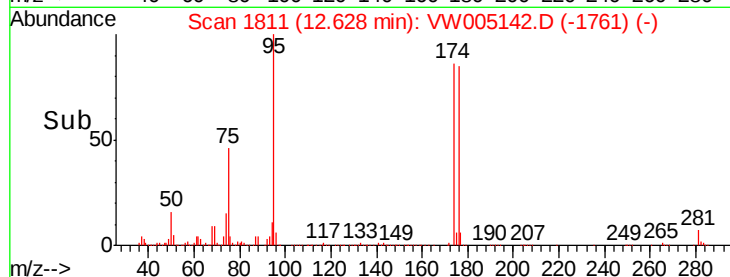
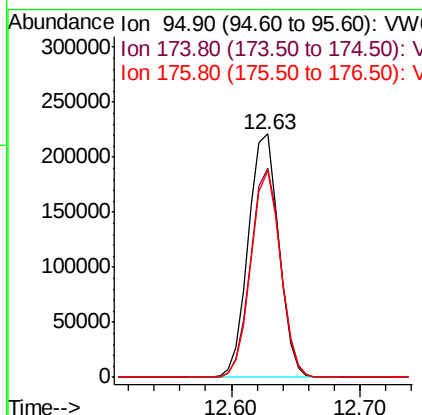
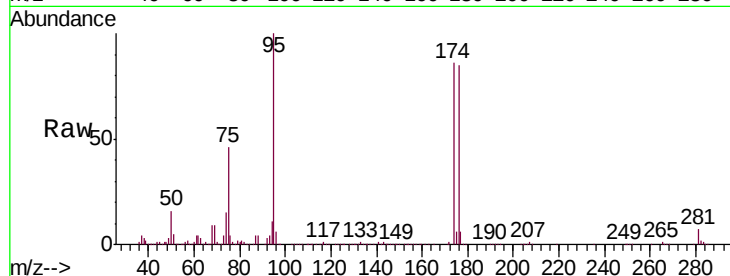




#62
4-Bromofluorobenzene
Concen: 44.736 ug/l
RT: 12.63 min Scan# 1811
Delta R.T. 0.01 min
Lab File: VW005142.D
Acq: 05 Sep 2018 20:52

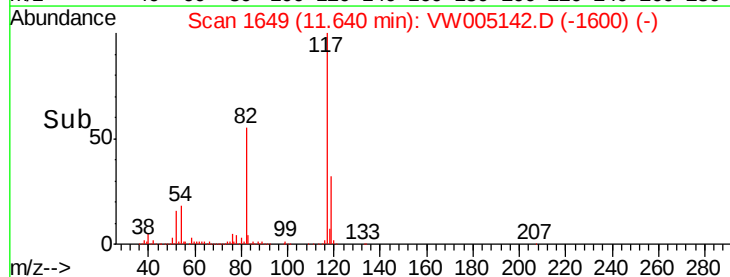
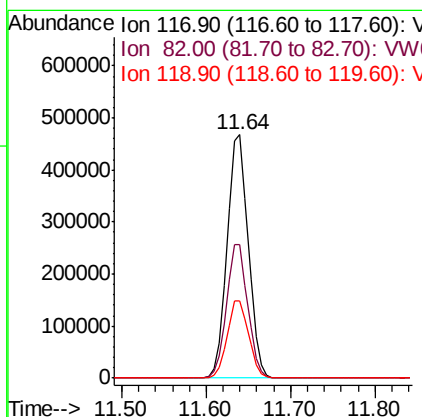
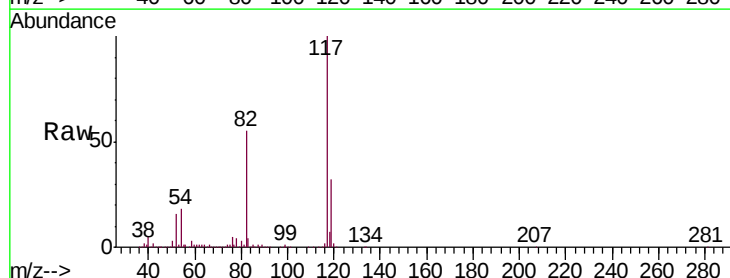
Instrument :
MSVOA_W
ClientSampleId :
SB-06RE

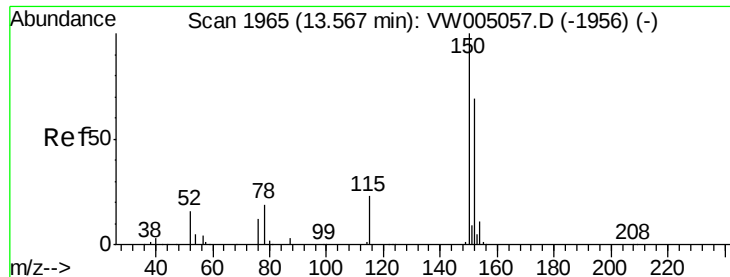
Tgt Ion: 95 Resp: 359990
Ion Ratio Lower Upper
95 100
174 84.8 0.0 173.4
176 82.1 0.0 167.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1649
Delta R.T. 0.00 min
Lab File: VW005142.D
Acq: 05 Sep 2018 20:52

Tgt Ion: 117 Resp: 794211
Ion Ratio Lower Upper
117 100
82 55.0 40.9 61.3
119 31.8 24.9 37.3



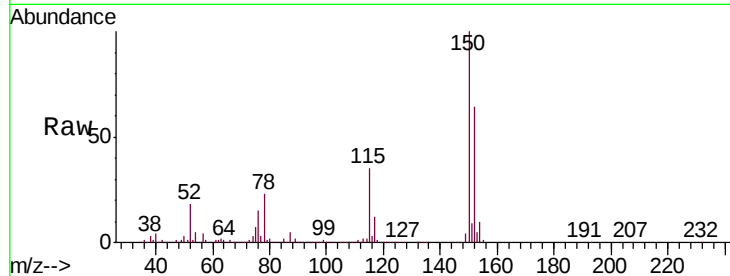


#72

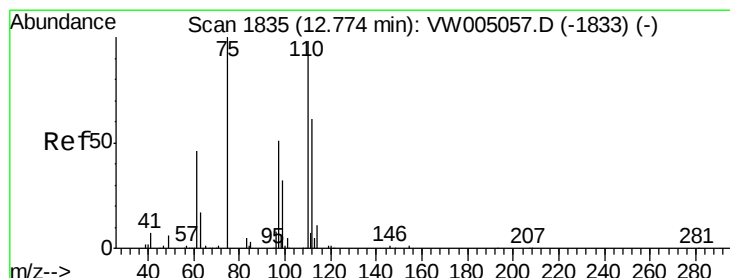
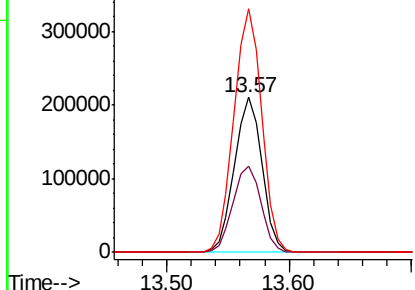
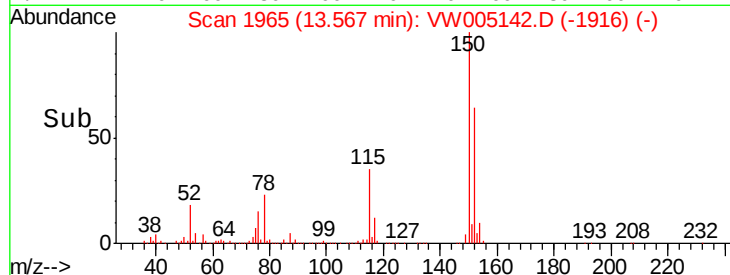
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. 0.00 min
Lab File: VW005142.D
Acq: 05 Sep 2018 20:52

Instrument :
MSVOA_W
ClientSampleId :
SB-06RE

Tgt Ion: 152 Resp: 326844
Ion Ratio Lower Upper
152 100
115 57.0 27.8 83.4
150 158.4 0.0 351.4



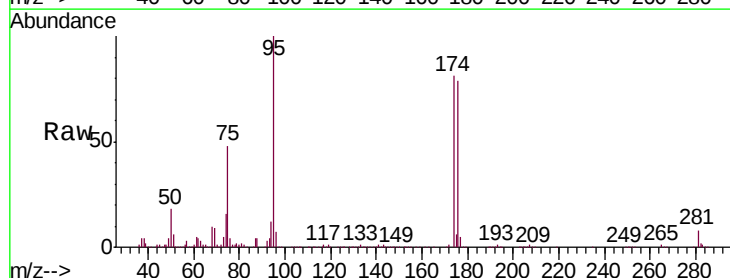
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



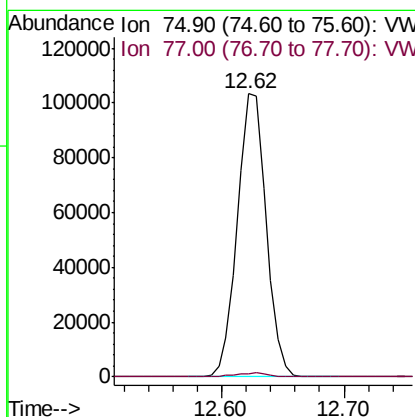
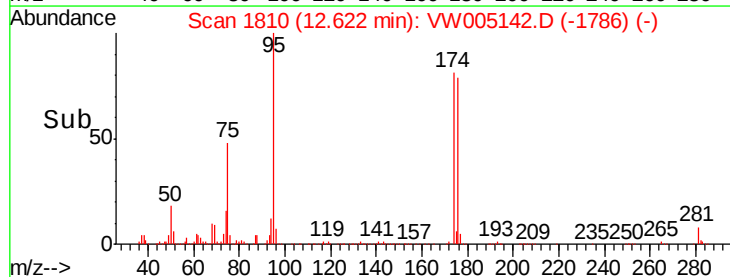
#76

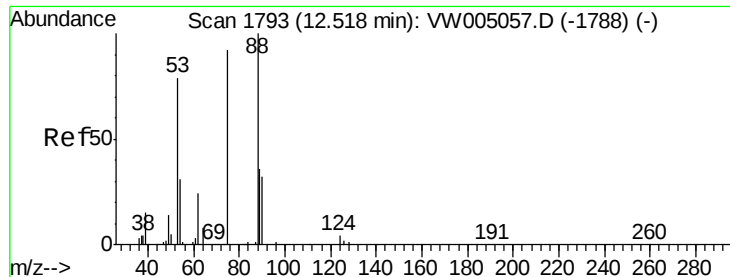
1,2,3-Trichloropropane
Concen: 68.571 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. -0.15 min
Lab File: VW005142.D
Acq: 05 Sep 2018 20:52

Tgt Ion: 75 Resp: 168229
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 77.00 (76.70 to 77.70): VW





#81

trans-1,4-Dichloro-2-butene

Concen: 165.042 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.10 min

Lab File: VW005142.D

Acq: 05 Sep 2018 20:52

Instrument :

MSVOA_W

ClientSampleId :

SB-06RE

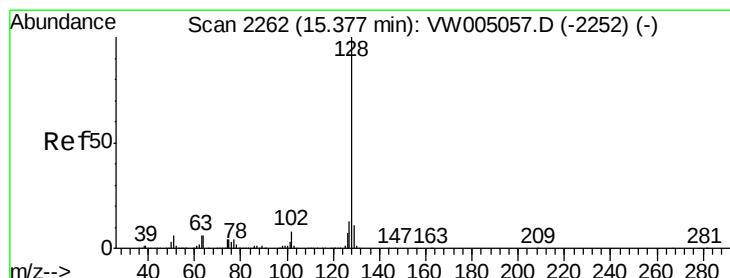
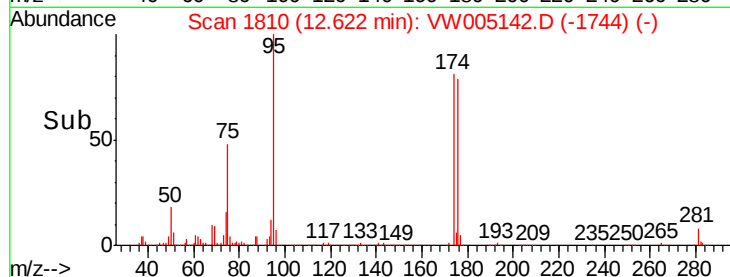
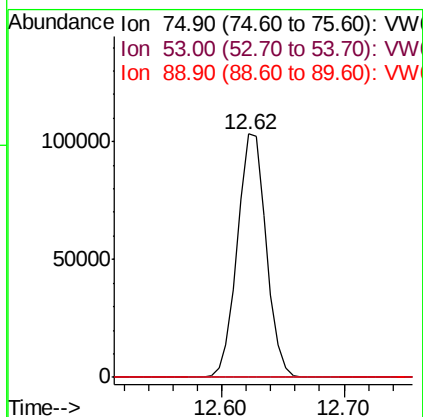
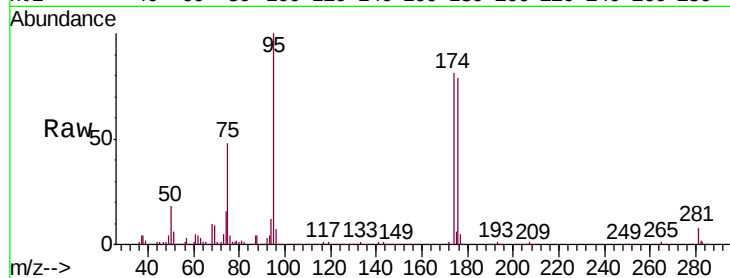
Tgt Ion: 75 Resp: 168229

Ion Ratio Lower Upper

75 100

53 0.4 69.8 104.8#

89 0.1 36.0 54.0#



#95

Naphthalene

Concen: 4.573 ug/l

RT: 15.38 min Scan# 2262

Delta R.T. 0.00 min

Lab File: VW005142.D

Acq: 05 Sep 2018 20:52

Tgt Ion: 128 Resp: 7598

Ion Ratio Lower Upper

128 100

127 14.4 10.4 15.6

129 10.6 8.7 13.1

