

Data File : VW004867.D
Acq On : 22 Aug 2018 04:28
Operator : SY/AP
Sample : J4275-17
Misc : 6.41G/5ML/MSVOA_W/SOIL
ALS Vial : 41 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
CL-01-082018-E

Quant Time: Aug 22 07:50:46 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W081918S.M
Quant Title : SW846 8260
QLast Update : Sat Aug 18 01:49:53 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	23920	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	35298	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	23904	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	7835	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	13551	58.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.20%	
35) Dibromofluoromethane	7.89	113	13131	58.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.40%	
50) Toluene-d8	10.33	98	18774	21.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	42.64%	
62) 4-Bromofluorobenzene	12.62	95	8436	26.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	53.26%	

Target Compounds

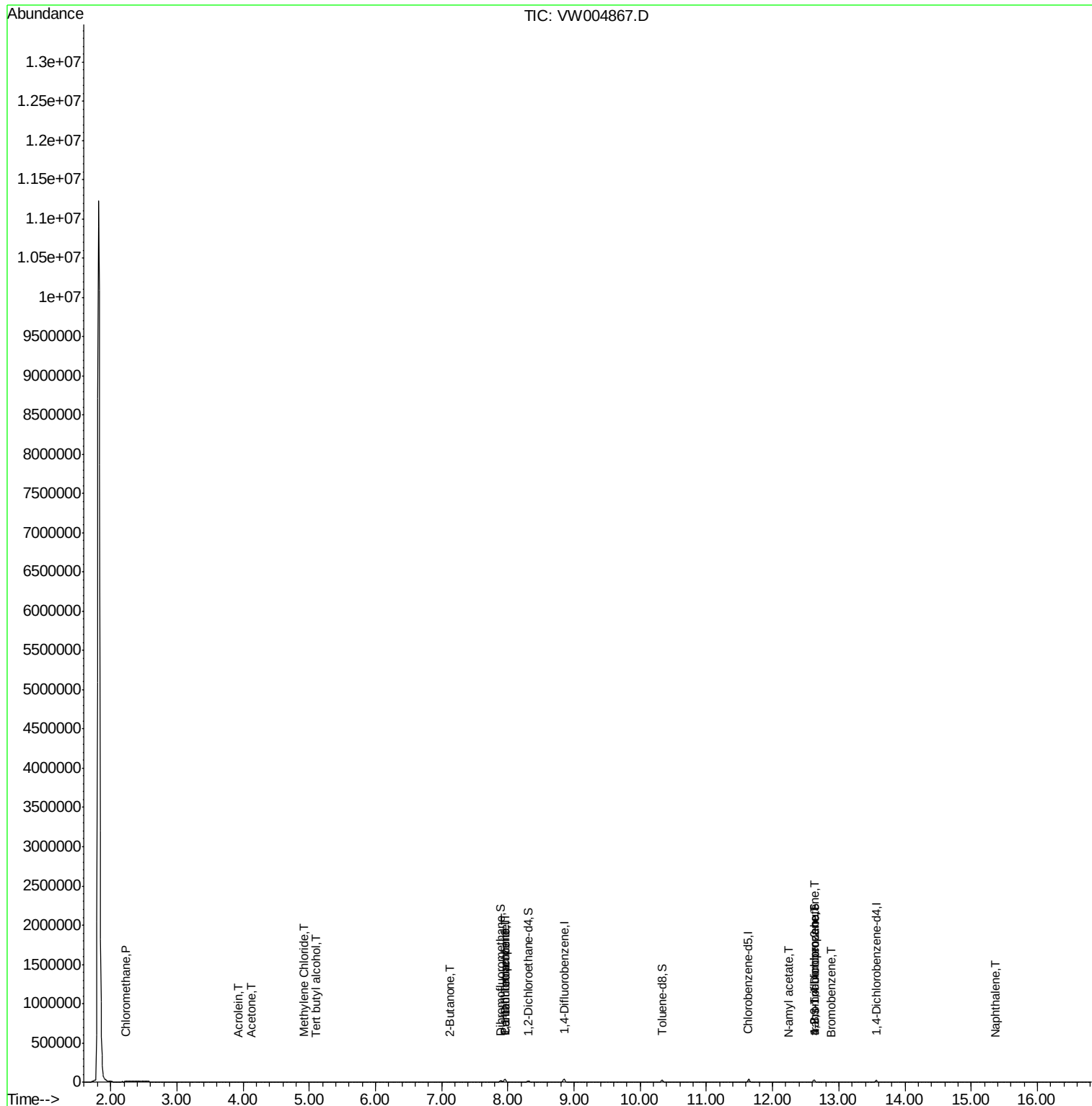
						Qvalue
3) Chloromethane	2.22	50	259	1.250	ug/l #	41
11) Tert butyl alcohol	5.11	59	24	1.858	ug/l #	72
13) Acrolein	3.94	56	47	2.711	ug/l #	66
16) Acetone	4.13	43	2200	37.266	ug/l	94
20) Methylene Chloride	4.92	84	2154	4.023	ug/l #	75
25) 2-Butanone	7.13	43	133	1.581	ug/l #	47
36) 1,1-Dichloropropene	7.96	75	1920	5.280	ug/l #	45
38) Carbon Tetrachloride	7.95	117	2339	6.988	ug/l #	21
74) N-amyl acetate	12.24	43	23	4.188	ug/l #	40
76) 1,2,3-Trichloropropane	12.63	75	4224	61.158	ug/l #	100
77) Bromobenzene	12.88	156	357	2.767	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.63	75	4224	142.147	ug/l #	13
95) Naphthalene	15.38	128	171	4.000	ug/l #	69

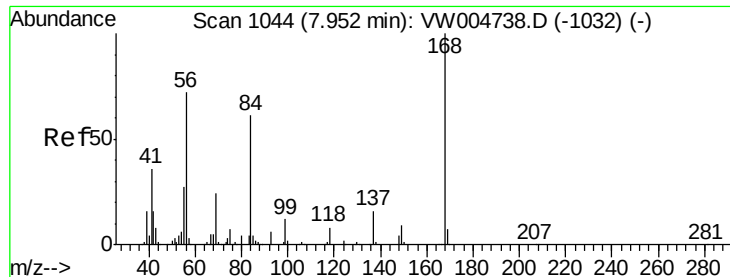
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.96 min Scan# 1045

Delta R.T. 0.01 min

Lab File: VW004867.D

Acq: 22 Aug 2018 04:28

Instrument :

MSVOA_W

ClientSampleId :

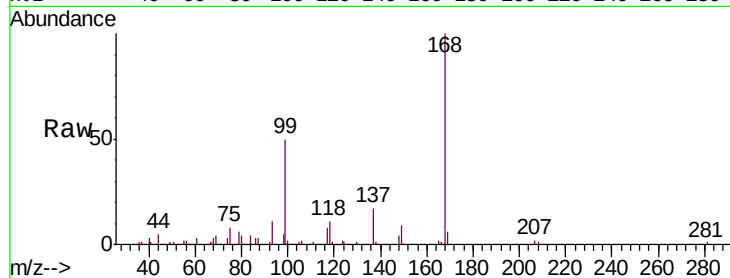
CL-01-082018-E

Tgt Ion:168 Resp: 23920

Ion Ratio Lower Upper

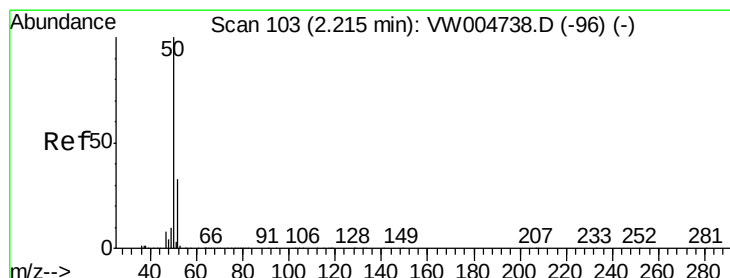
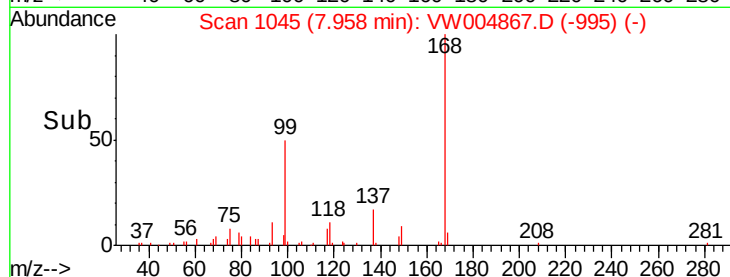
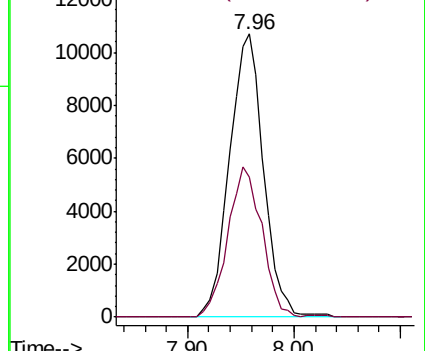
168 100

99 49.5 41.0 61.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#3

Chloromethane

Concen: 1.250 ug/l

RT: 2.22 min Scan# 104

Delta R.T. 0.01 min

Lab File: VW004867.D

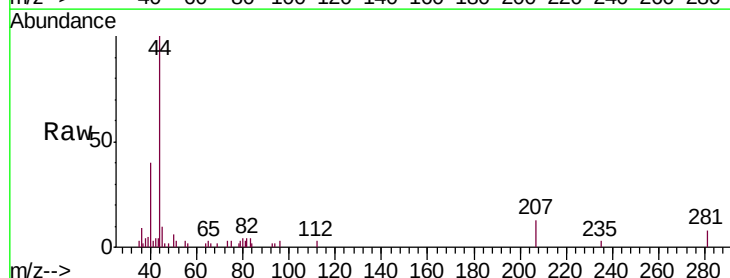
Acq: 22 Aug 2018 04:28

Tgt Ion: 50 Resp: 259

Ion Ratio Lower Upper

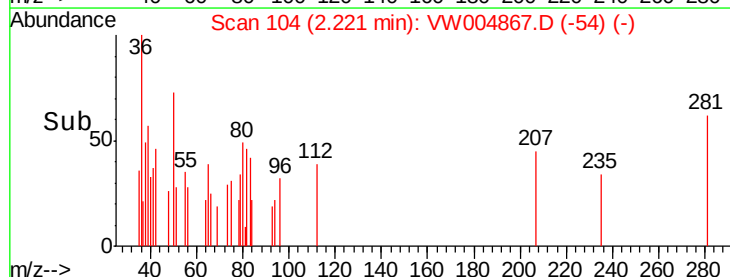
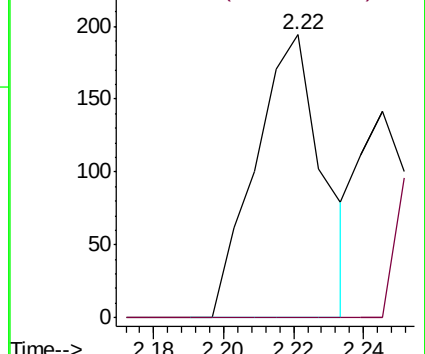
50 100

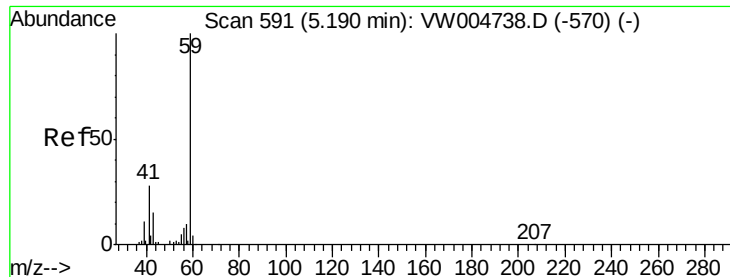
52 0.0 26.7 40.1#



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW

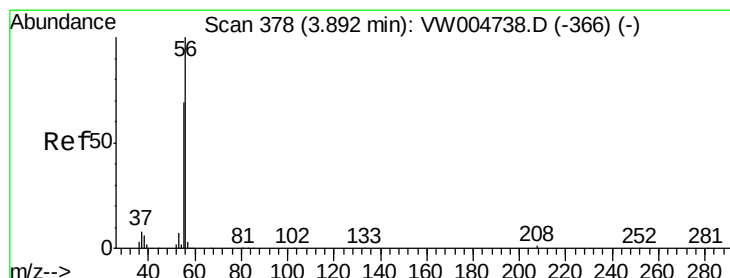
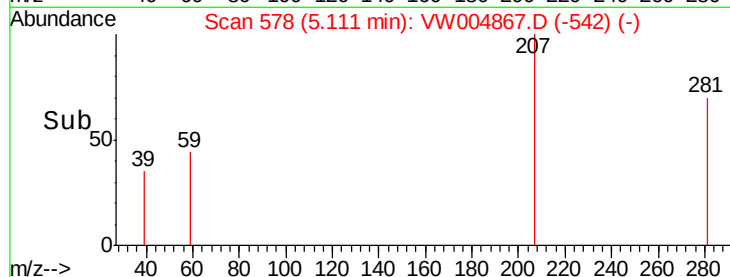
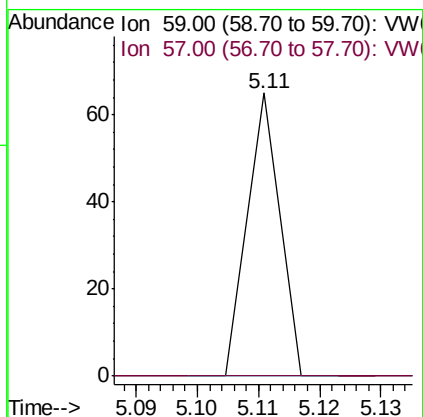
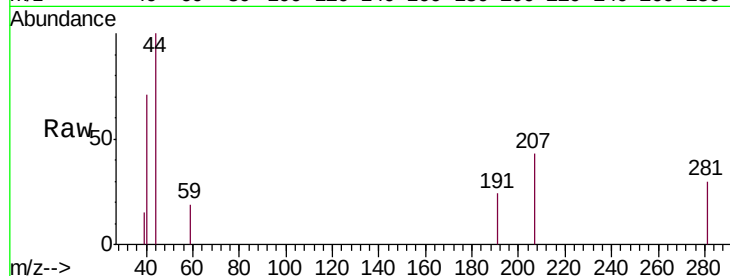




#11
Tert butyl alcohol
Concen: 1.858 ug/l
RT: 5.11 min Scan# 578
Delta R.T. -0.08 min
Lab File: VW004867.D
Acq: 22 Aug 2018 04:28

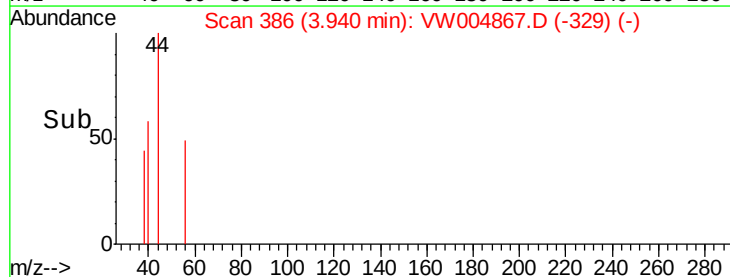
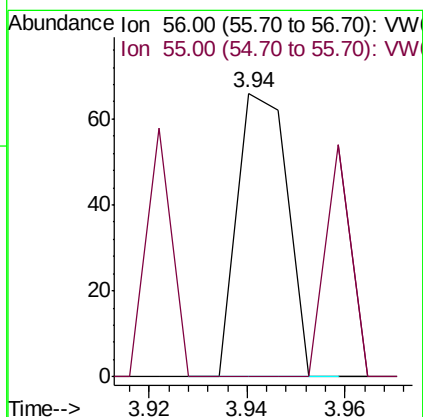
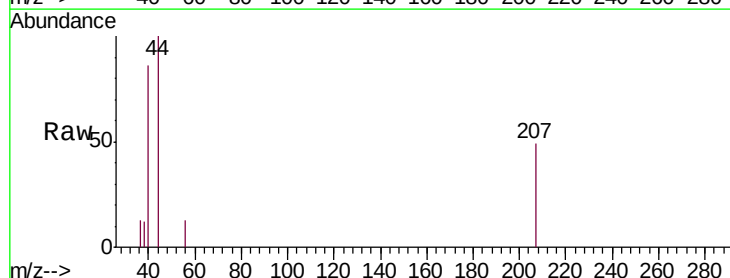
Instrument :
MSVOA_W
ClientSampleId :
CL-01-082018-E

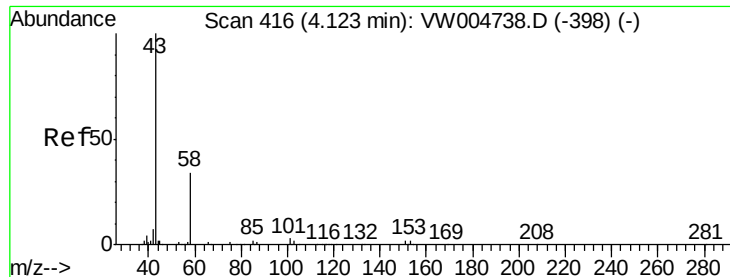
Tgt Ion: 59 Resp: 24
Ion Ratio Lower Upper
59 100
57 0.0 8.4 12.6#



#13
Acrolein
Concen: 2.711 ug/l
RT: 3.94 min Scan# 386
Delta R.T. 0.05 min
Lab File: VW004867.D
Acq: 22 Aug 2018 04:28

Tgt Ion: 56 Resp: 47
Ion Ratio Lower Upper
56 100
55 42.6 56.1 84.1#





#16

Acetone

Concen: 37.266 ug/l

RT: 4.13 min Scan# 417

Delta R.T. 0.01 min

Lab File: VW004867.D

Acq: 22 Aug 2018 04:28

Instrument :

MSVOA_W

ClientSampleId :

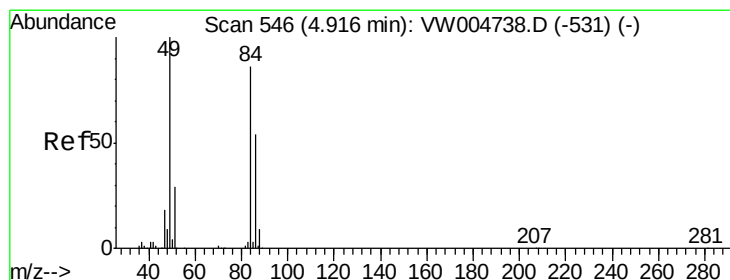
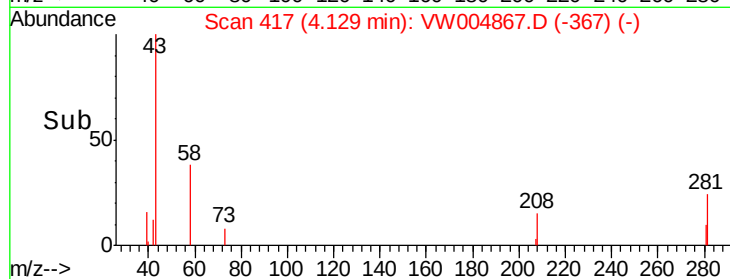
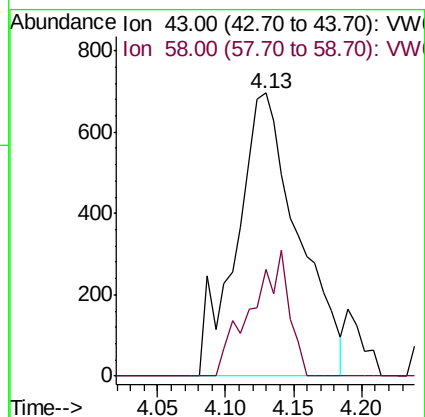
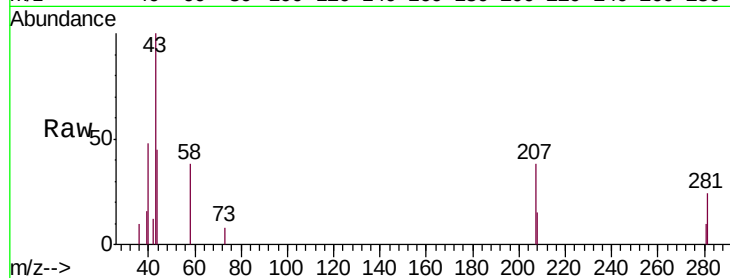
CL-01-082018-E

Tgt Ion: 43 Resp: 2200

Ion Ratio Lower Upper

43 100

58 37.8 27.3 40.9



#20

Methylene Chloride

Concen: 4.023 ug/l

RT: 4.92 min Scan# 547

Delta R.T. 0.01 min

Lab File: VW004867.D

Acq: 22 Aug 2018 04:28

Tgt Ion: 84 Resp: 2154

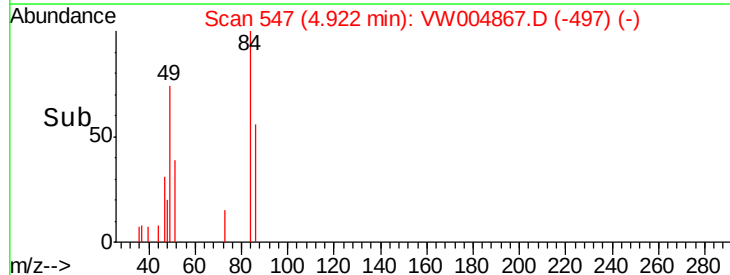
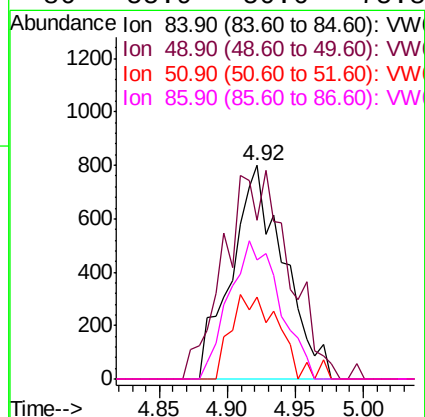
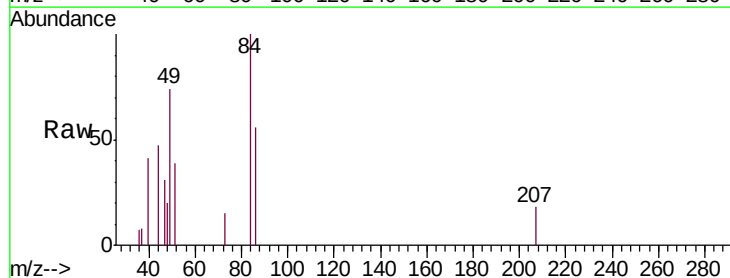
Ion Ratio Lower Upper

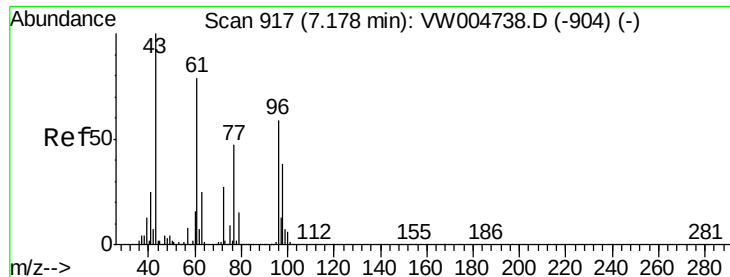
84 100

49 74.3 93.2 139.8#

51 38.6 27.4 41.0

86 55.9 50.6 75.8

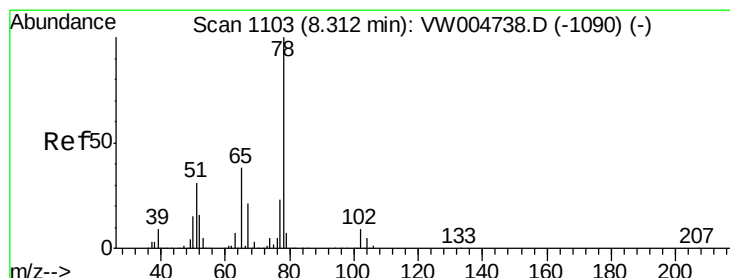
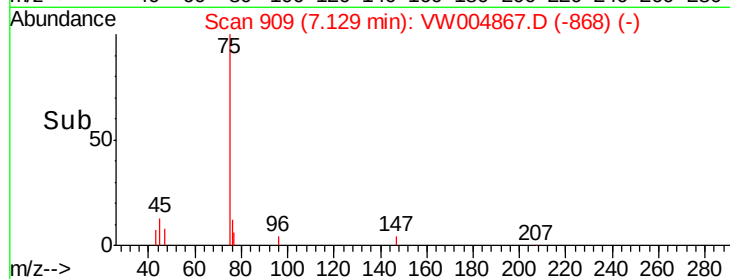
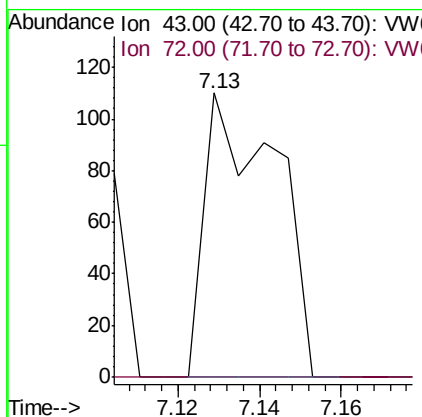
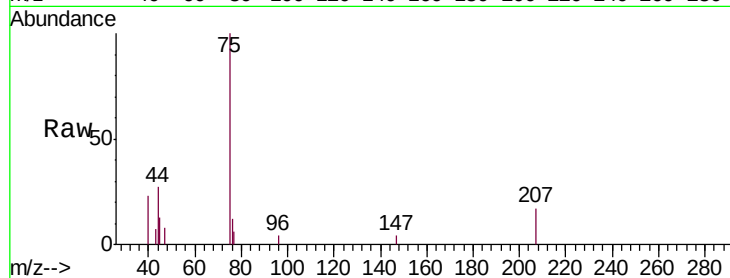




#25
 2-Butanone
 Concen: 1.581 ug/l
 RT: 7.13 min Scan# 909
 Delta R.T. -0.05 min
 Lab File: VW004867.D
 Acq: 22 Aug 2018 04:28

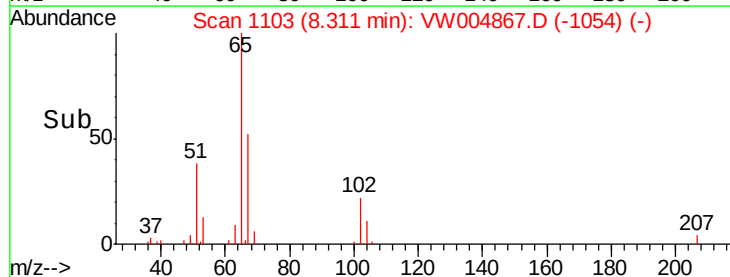
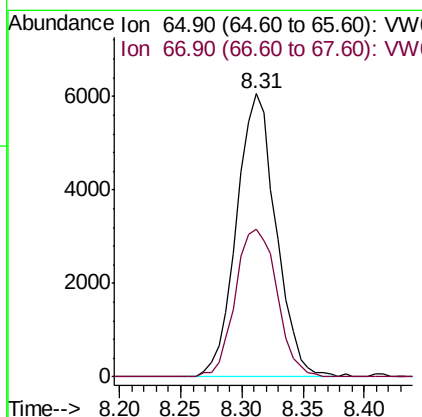
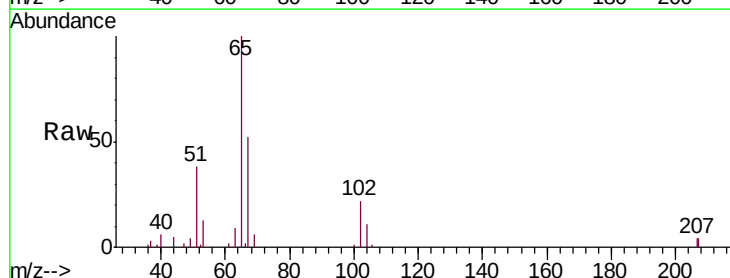
Instrument :
 MSVOA_W
 ClientSampleId :
 CL-01-082018-E

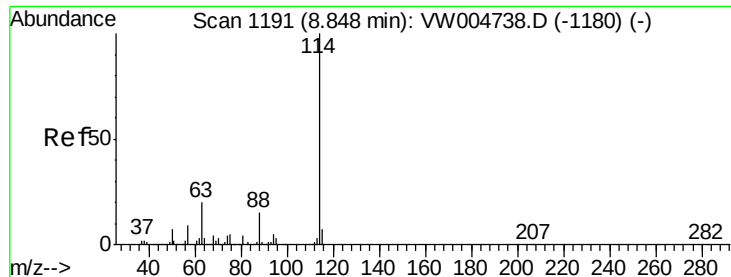
Tgt Ion: 43 Resp: 133
 Ion Ratio Lower Upper
 43 100
 72 0.0 22.0 33.0#



#33
 1,2-Dichloroethane-d4
 Concen: 58.597 ug/l
 RT: 8.31 min Scan# 1103
 Delta R.T. -0.00 min
 Lab File: VW004867.D
 Acq: 22 Aug 2018 04:28

Tgt Ion: 65 Resp: 13551
 Ion Ratio Lower Upper
 65 100
 67 55.2 0.0 109.4

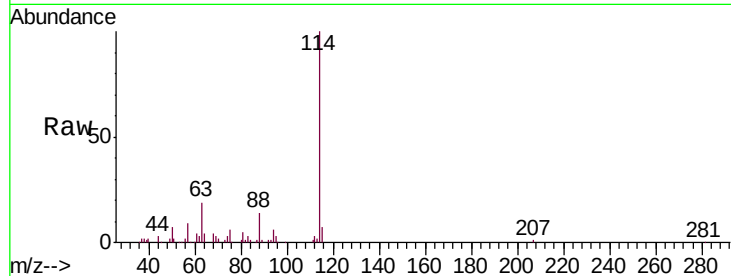




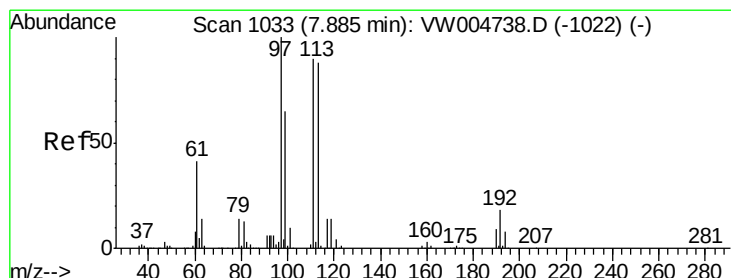
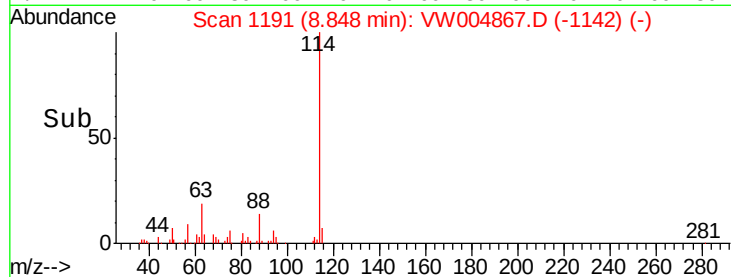
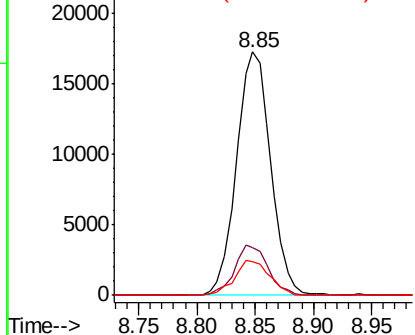
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. -0.00 min
 Lab File: VW004867.D
 Acq: 22 Aug 2018 04:28

Instrument :
 MSVOA_W
 ClientSampleId :
 CL-01-082018-E

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.4	0.0	39.0
88	13.7	0.0	30.0

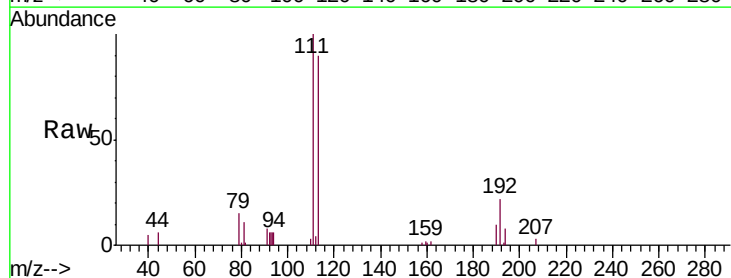


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

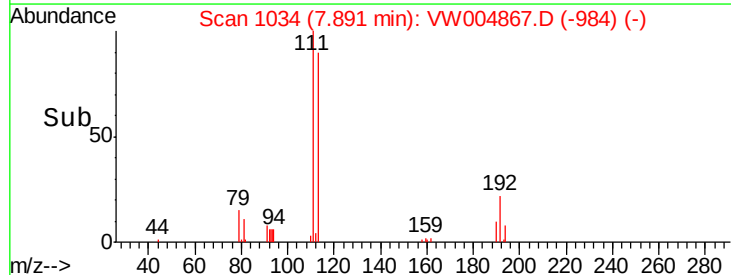
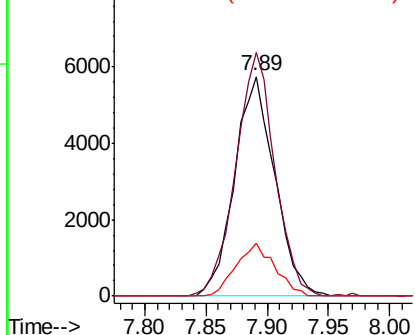


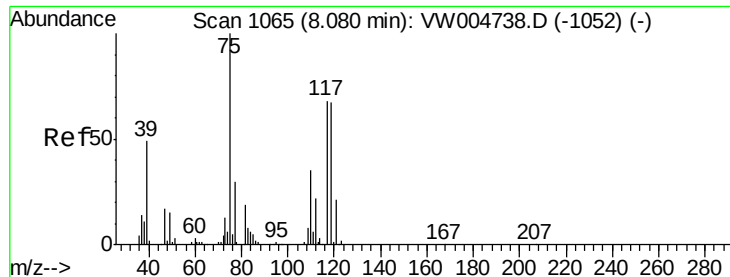
#35
 Dibromofluoromethane
 Concen: 58.204 ug/l
 RT: 7.89 min Scan# 1034
 Delta R.T. 0.01 min
 Lab File: VW004867.D
 Acq: 22 Aug 2018 04:28

Tgt Ion	Ratio	Lower	Upper
113	100		
111	107.4	82.4	123.6
192	23.2	16.7	25.1



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: 5.280 ug/l

RT: 7.96 min Scan# 1045

Delta R.T. -0.12 min

Lab File: VW004867.D

Acq: 22 Aug 2018 04:28

Instrument :

MSVOA_W

ClientSampleId :

CL-01-082018-E

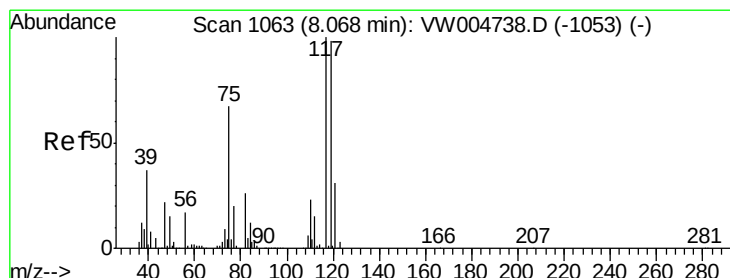
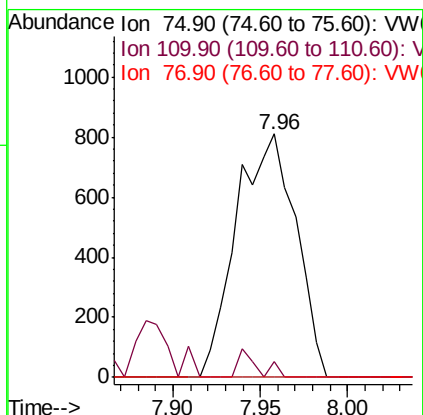
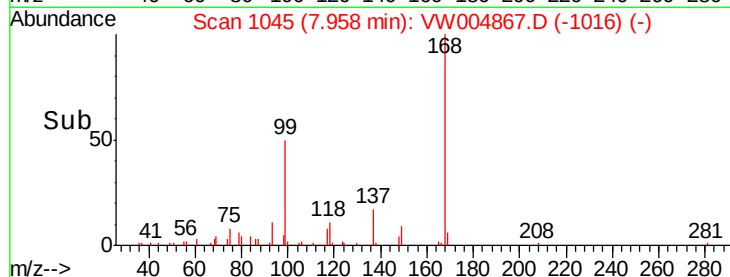
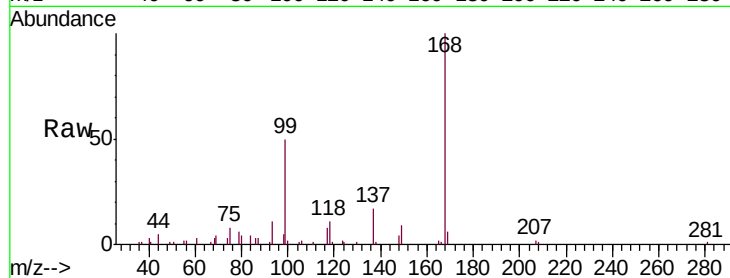
Tgt Ion: 75 Resp: 1920

Ion Ratio Lower Upper

75 100

110 3.8 17.8 53.5#

77 0.0 24.9 37.3#



#38

Carbon Tetrachloride

Concen: 6.988 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.12 min

Lab File: VW004867.D

Acq: 22 Aug 2018 04:28

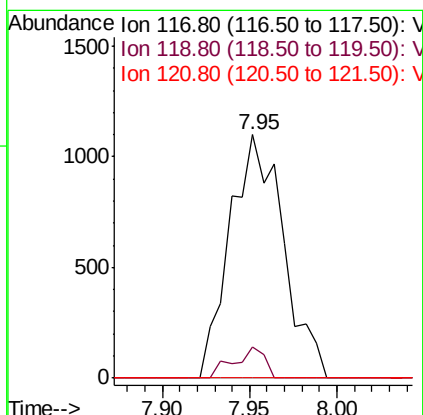
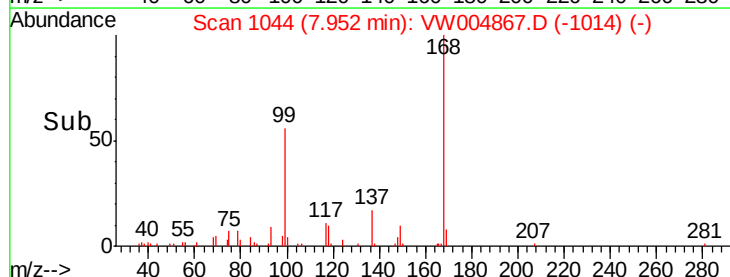
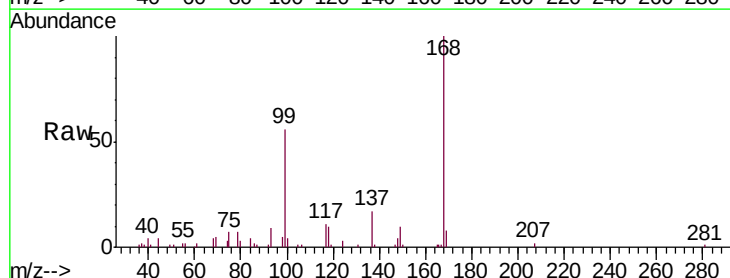
Tgt Ion: 117 Resp: 2339

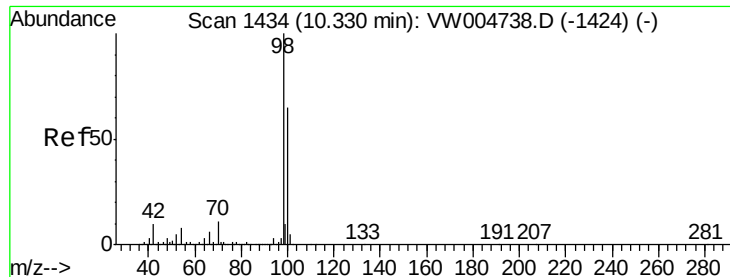
Ion Ratio Lower Upper

117 100

119 12.8 78.0 117.0#

121 0.0 24.8 37.2#





#50

Toluene-d8

Concen: 21.318 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW004867.D

Acq: 22 Aug 2018 04:28

Instrument :

MSVOA_W

ClientSampleId :

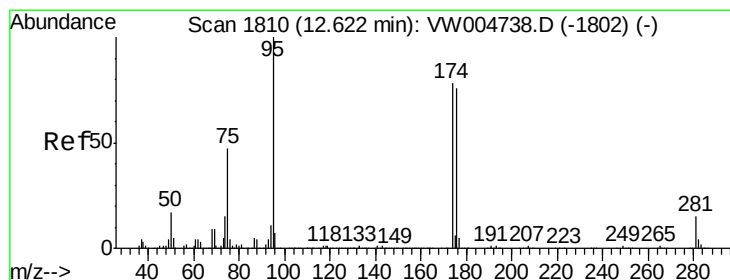
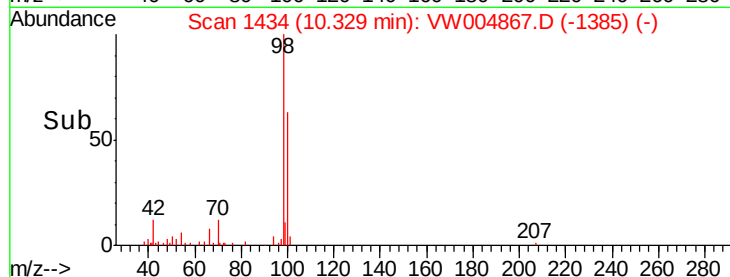
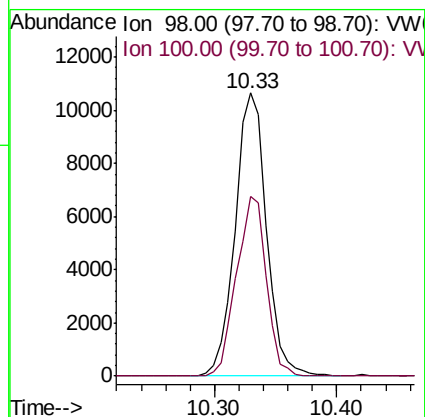
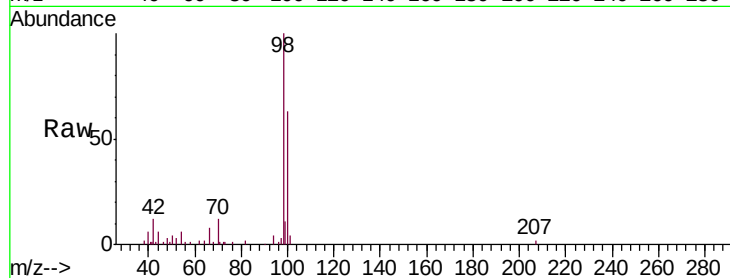
CL-01-082018-E

Tgt Ion: 98 Resp: 18774

Ion Ratio Lower Upper

98 100

100 60.5 51.8 77.8



#62

4-Bromofluorobenzene

Concen: 26.627 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.00 min

Lab File: VW004867.D

Acq: 22 Aug 2018 04:28

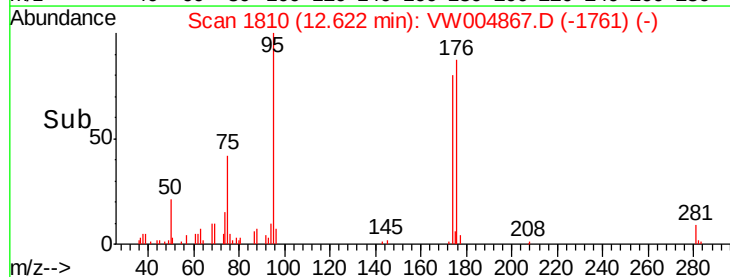
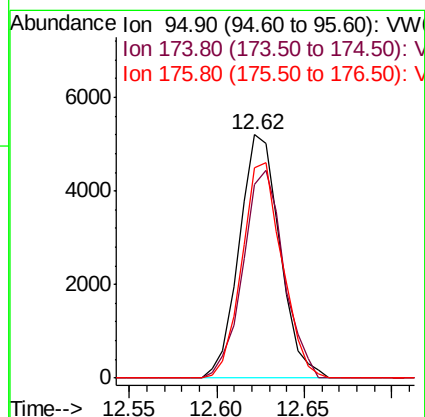
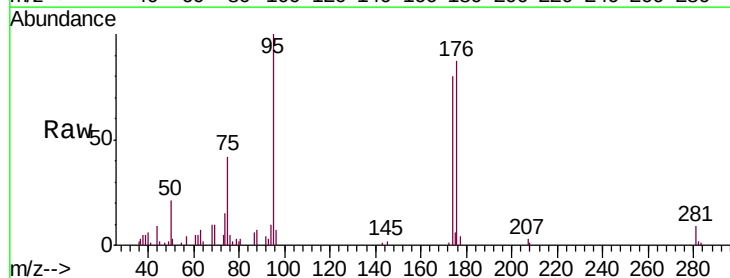
Tgt Ion: 95 Resp: 8436

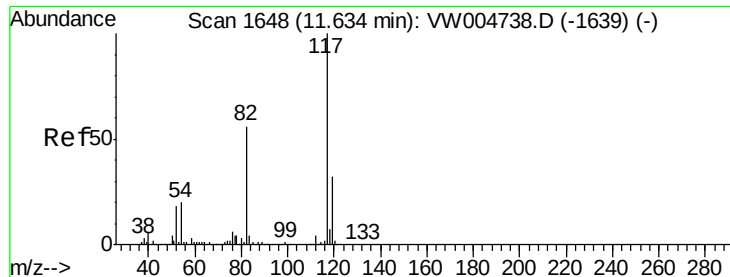
Ion Ratio Lower Upper

95 100

174 85.2 0.0 165.8

176 86.9 0.0 159.8

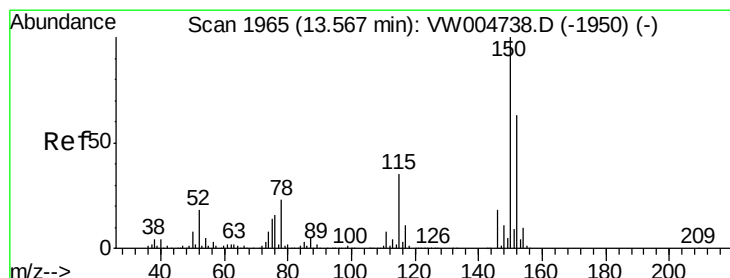
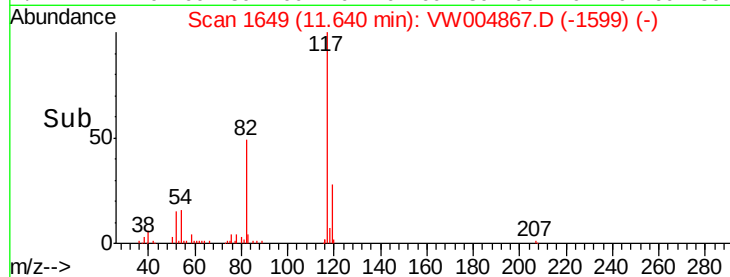
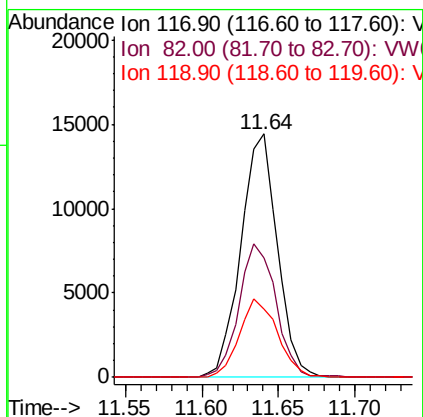
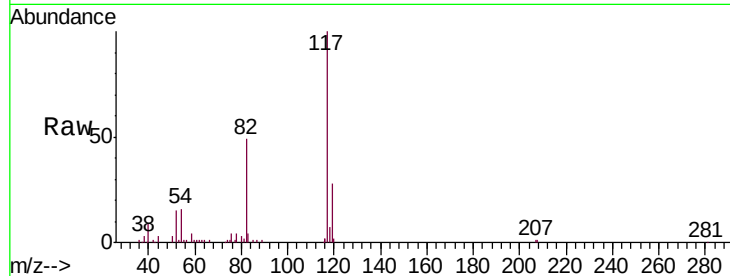




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1649
Delta R.T. 0.01 min
Lab File: VW004867.D
Acq: 22 Aug 2018 04:28

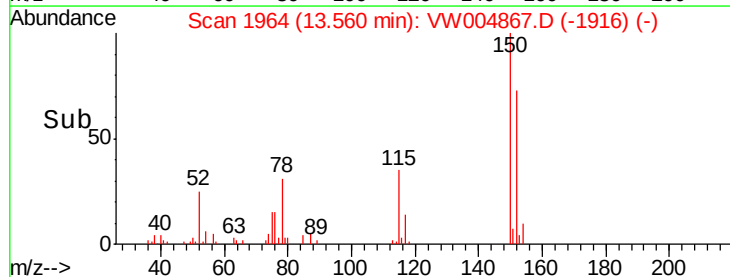
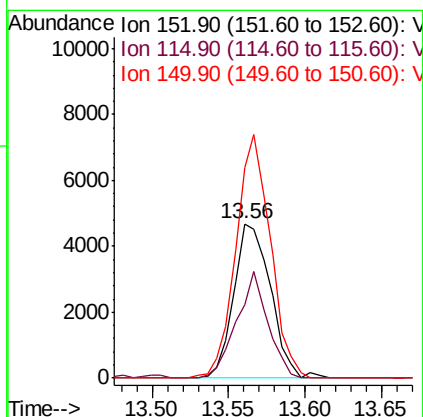
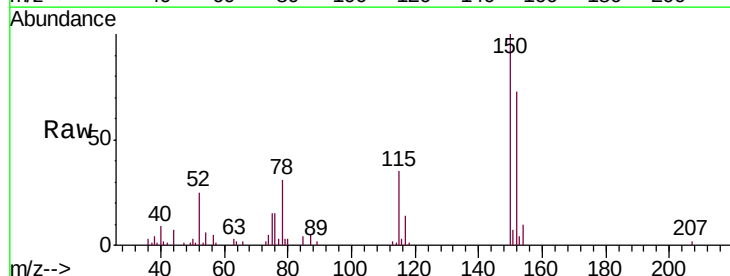
Instrument :
MSVOA_W
ClientSampleId :
CL-01-082018-E

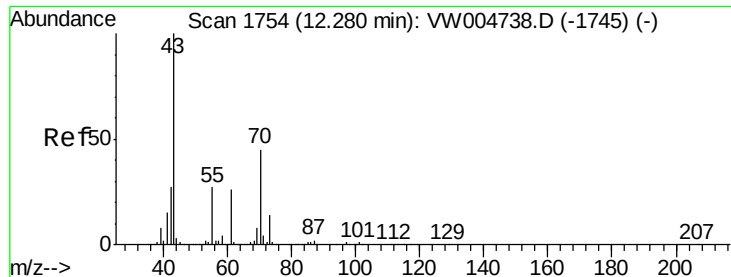
Tgt Ion:117 Resp: 23904
Ion Ratio Lower Upper
117 100
82 48.5 44.6 67.0
119 27.8 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1964
Delta R.T. -0.01 min
Lab File: VW004867.D
Acq: 22 Aug 2018 04:28

Tgt Ion:152 Resp: 7835
Ion Ratio Lower Upper
152 100
115 58.3 28.5 85.5
150 147.0 0.0 344.8





#74

N-amyI acetate

Concen: 4.188 ug/l

RT: 12.24 min Scan# 1748

Delta R.T. -0.04 min

Lab File: VW004867.D

Acq: 22 Aug 2018 04:28

Instrument :

MSVOA_W

ClientSampleId :

CL-01-082018-E

Tgt Ion: 43 Resp: 23

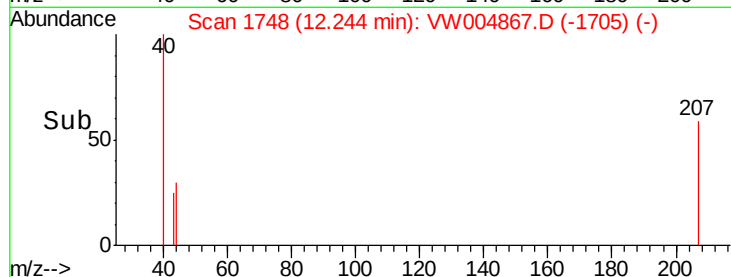
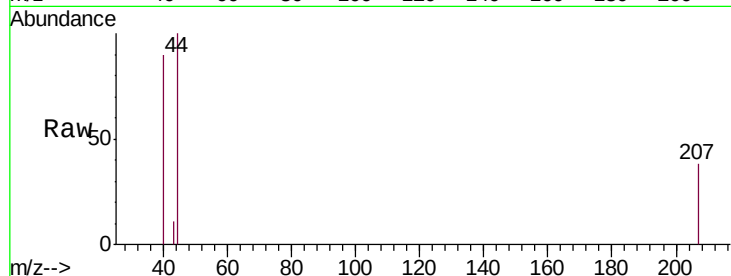
Ion Ratio Lower Upper

43 100

70 0.0 36.3 54.5#

55 0.0 22.6 33.8#

61 0.0 20.2 30.4#

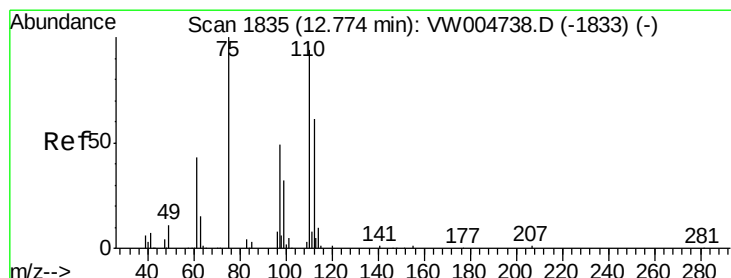
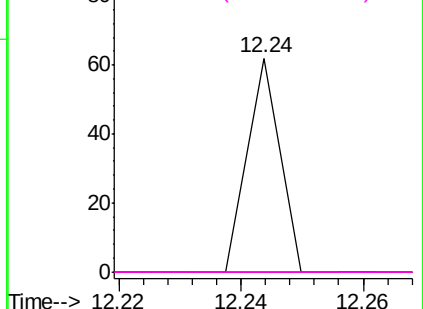


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW



#76

1,2,3-Trichloropropane

Concen: 61.158 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. -0.15 min

Lab File: VW004867.D

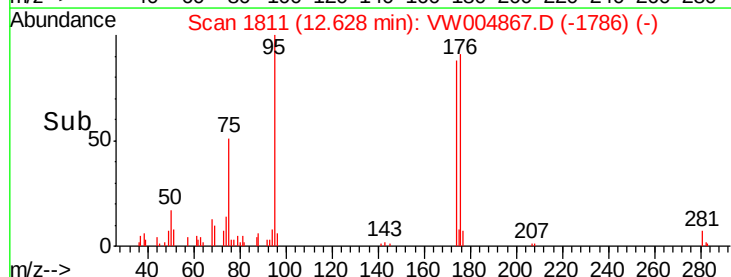
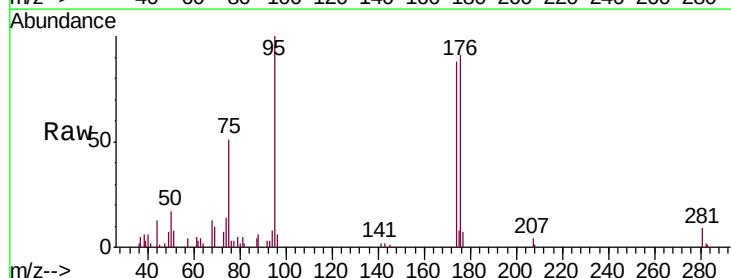
Acq: 22 Aug 2018 04:28

Tgt Ion: 75 Resp: 4224

Ion Ratio Lower Upper

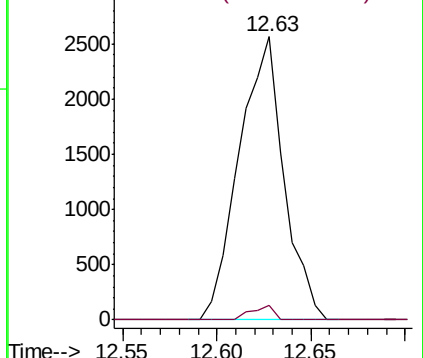
75 100

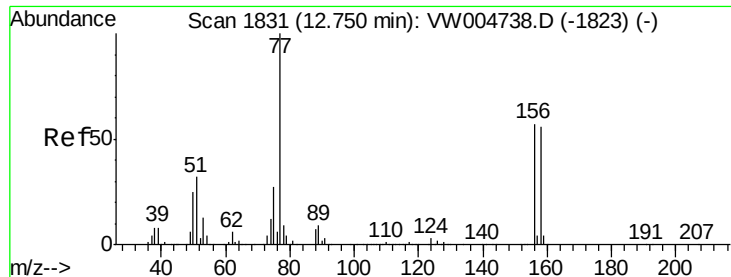
77 2.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 2.767 ug/l

RT: 12.88 min Scan# 1853

Delta R.T. 0.13 min

Lab File: VW004867.D

Acq: 22 Aug 2018 04:28

Instrument :

MSVOA_W

ClientSampleId :

CL-01-082018-E

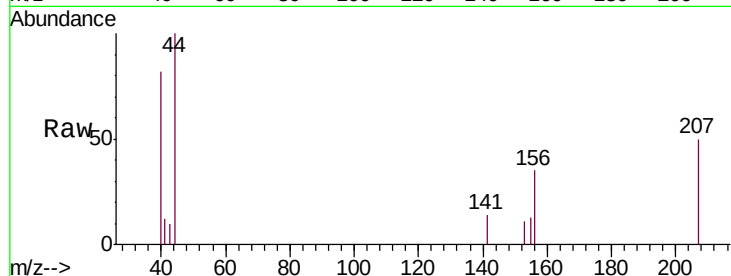
Tgt Ion:156 Resp: 357

Ion Ratio Lower Upper

156 100

77 8.1 94.2 282.4#

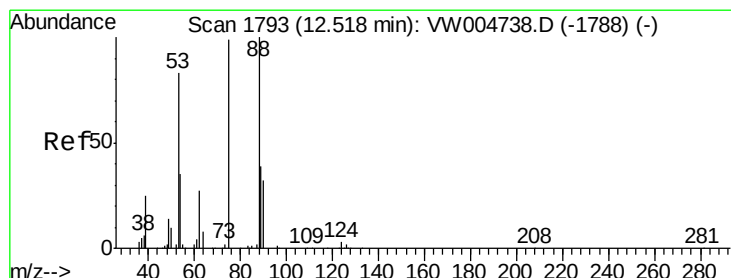
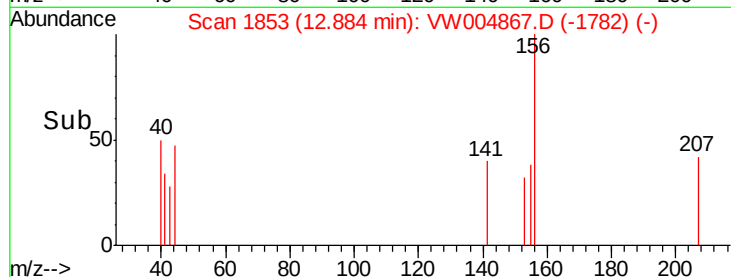
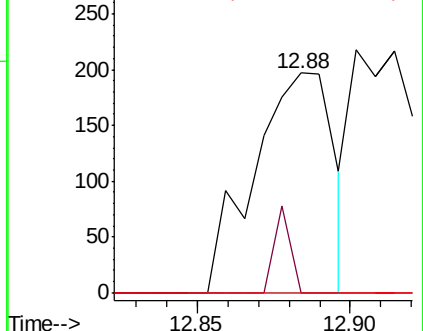
158 0.0 48.6 145.9#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#81

trans-1,4-Dichloro-2-butene

Concen: 142.147 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. 0.11 min

Lab File: VW004867.D

Acq: 22 Aug 2018 04:28

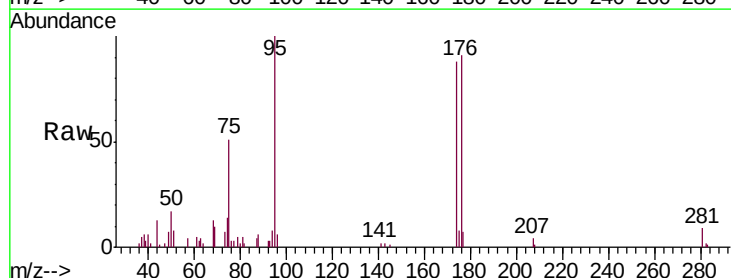
Tgt Ion: 75 Resp: 4224

Ion Ratio Lower Upper

75 100

53 0.0 72.2 108.4#

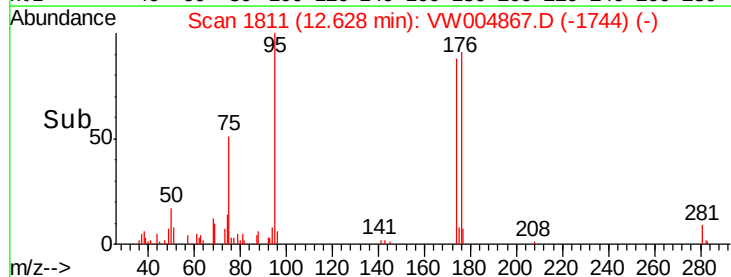
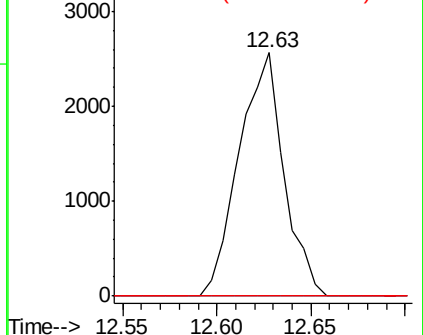
89 0.0 35.2 52.8#

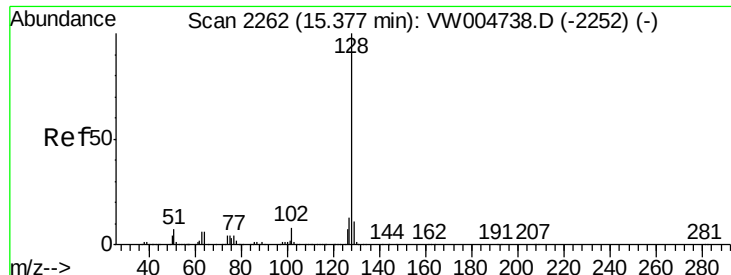


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW





#95

Naphthalene

Concen: 4.000 ug/l

RT: 15.38 min Scan# 2262

Delta R.T. 0.00 min

Lab File: VW004867.D

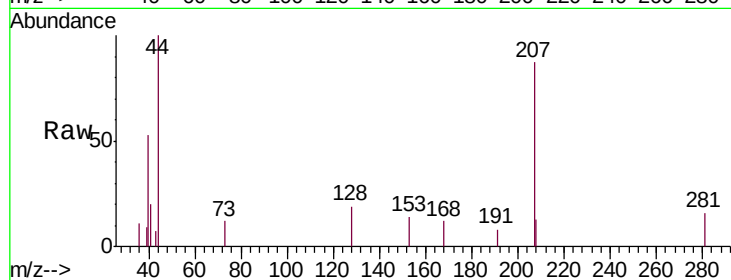
Acq: 22 Aug 2018 04:28

Instrument :

MSVOA_W

ClientSampleId :

CL-01-082018-E



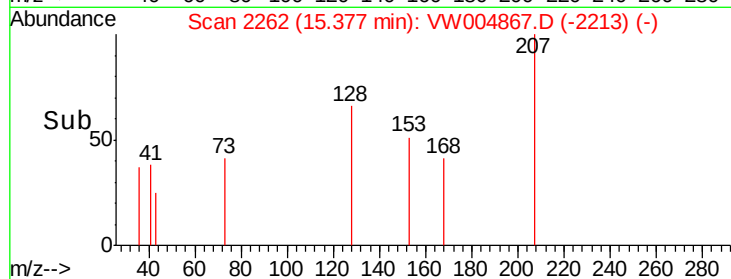
Tgt Ion:128 Resp: 171

Ion Ratio Lower Upper

128 100

127 0.0 10.4 15.6#

129 0.0 8.6 13.0#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

