

Data File : VW008507.D
Acq On : 04 Feb 2019 17:42
Operator : SY/VA
Sample : K1350-01
Misc : 6.63G/5ML/MSVOA_W/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EO-03-020419-A

Quant Time: Feb 05 03:08:11 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.M
Quant Title : SW846 8260
QLast Update : Fri Jan 25 11:07:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	347029	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	560351	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	504834	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	224508	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	192089	56.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.68%	
35) Dibromofluoromethane	7.88	113	173925	53.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.16%	
50) Toluene-d8	10.32	98	675098	51.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.76%	
62) 4-Bromofluorobenzene	12.62	95	242752	48.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.14%	

Target Compounds

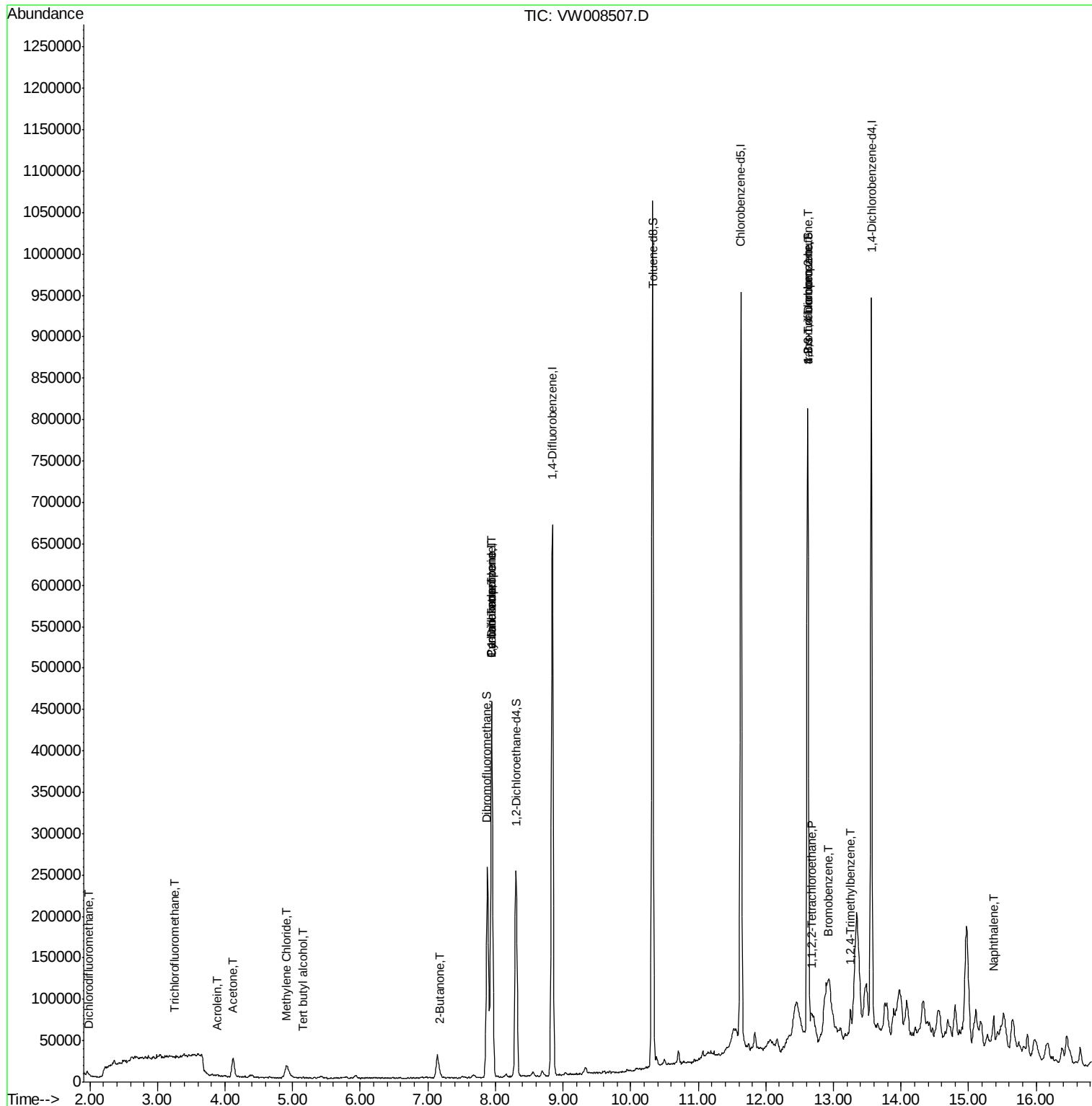
						Qvalue
2) Dichlorodifluoromethane	1.98	85	71	3.286	ug/l #	41
7) Trichlorofluoromethane	3.25	101	171	4.774	ug/l	99
11) Tert butyl alcohol	5.15	59	432	1.574	ug/l #	19
13) Acrolein	3.89	56	787	7.381	ug/l #	36
16) Acetone	4.12	43	40902	53.425	ug/l	93
20) Methylene Chloride	4.91	84	12012	3.404	ug/l	88
25) 2-Butanone	7.18	43	5316	4.999	ug/l #	88
31) Cyclohexane	7.95	56	8782	1.313	ug/l #	11
36) 1,1-Dichloropropene	7.95	75	25762	4.867	ug/l #	51
38) Carbon Tetrachloride	7.95	117	32891	6.175	ug/l #	16
75) 1,1,2,2-Tetrachloroethane	12.68	83	12878	4.860	ug/l #	31
76) 1,2,3-Trichloropropane	12.62	75	124696	63.883	ug/l #	1
77) Bromobenzene	12.91	156	107232	29.336	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	124696	126.174	ug/l #	12
84) 1,2,4-Trimethylbenzene	13.26	105	14747	1.037	ug/l	95
95) Naphthalene	15.37	128	18823	2.300	ug/l #	94

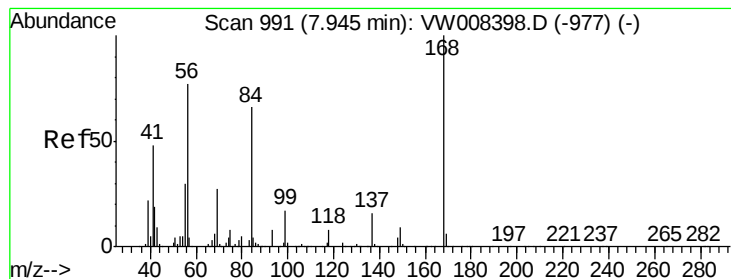
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW008507.D

Acq: 04 Feb 2019 17:42

Instrument :

MSVOA_W

ClientSampleId :

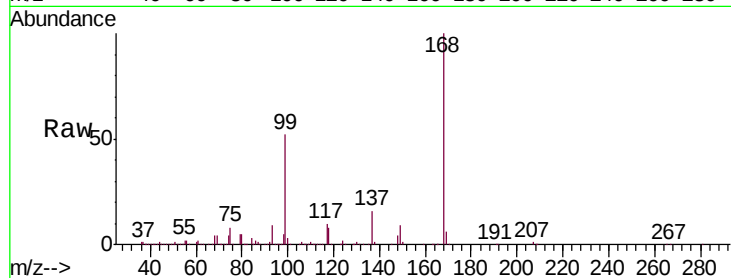
EO-03-020419-A

Tgt Ion:168 Resp: 347029

Ion Ratio Lower Upper

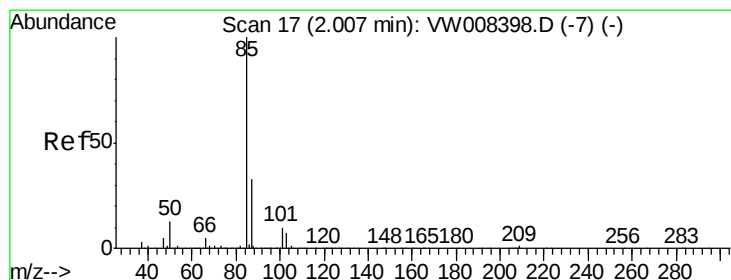
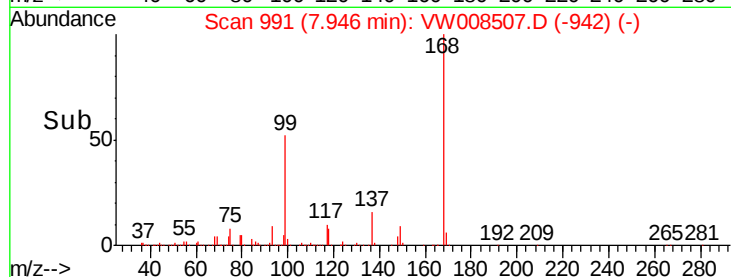
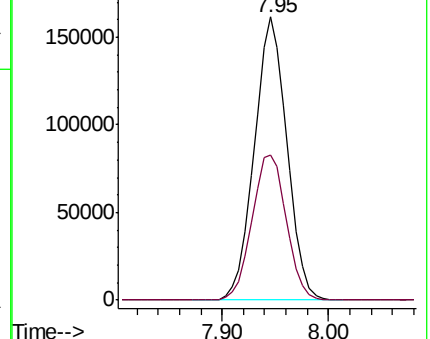
168 100

99 51.5 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 3.286 ug/l

RT: 1.98 min Scan# 13

Delta R.T. -0.02 min

Lab File: VW008507.D

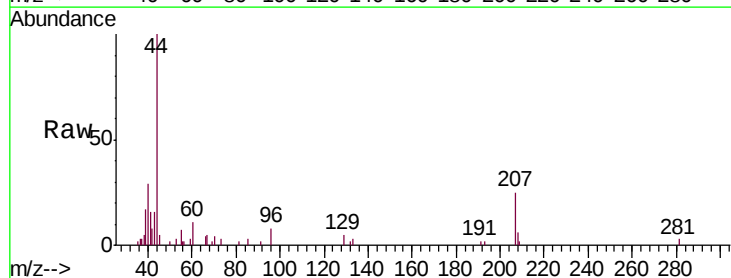
Acq: 04 Feb 2019 17:42

Tgt Ion: 85 Resp: 71

Ion Ratio Lower Upper

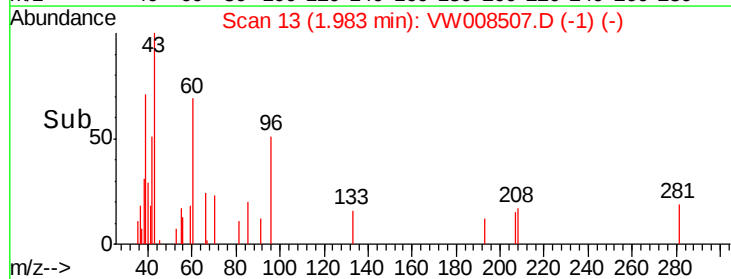
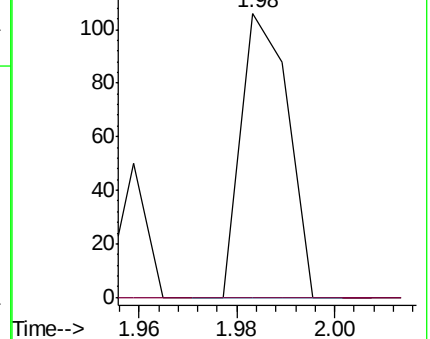
85 100

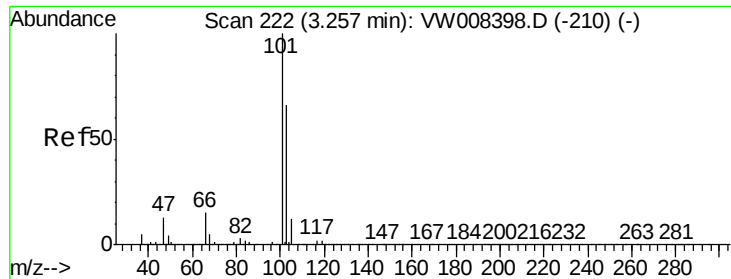
87 0.0 16.7 50.1#



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW



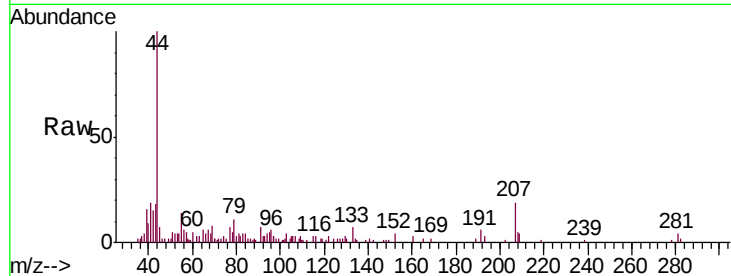


#7

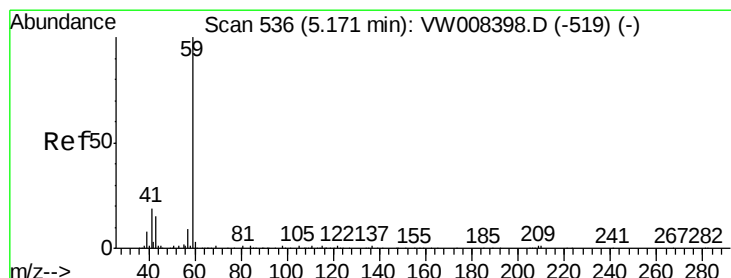
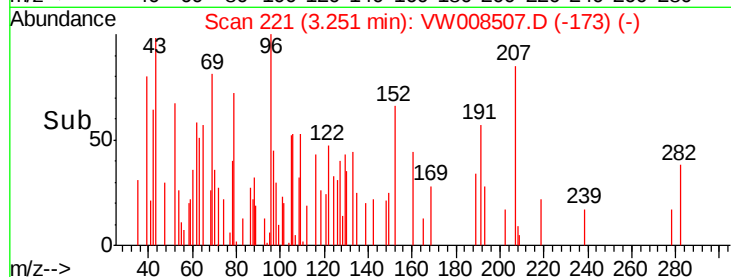
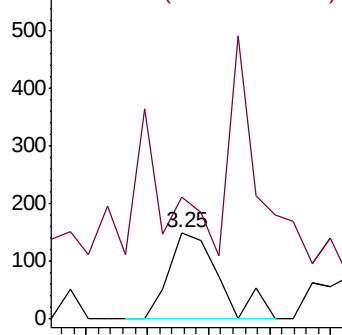
Trichlorofluoromethane
Concen: 4.774 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.01 min
Lab File: VW008507.D
Acq: 04 Feb 2019 17:42

Instrument :
MSVOA_W
ClientSampleId :
EO-03-020419-A

Tgt Ion: 101 Resp: 171
Ion Ratio Lower Upper
101 100
103 66.7 52.5 78.7



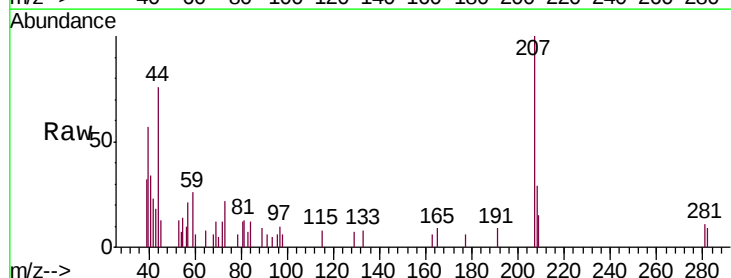
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



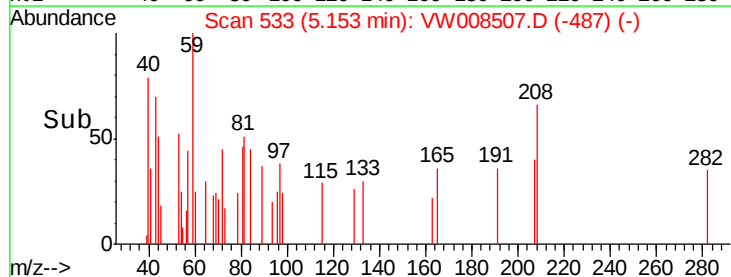
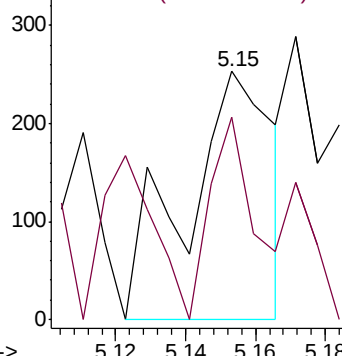
#11

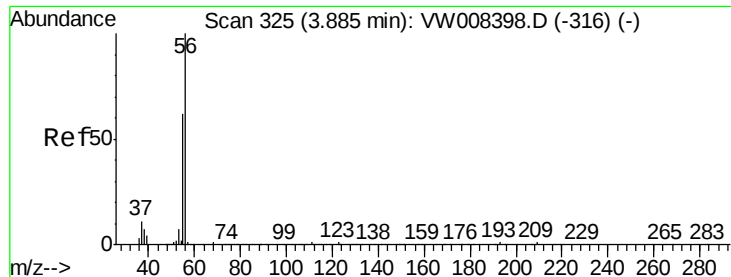
Tert butyl alcohol
Concen: 1.574 ug/l
RT: 5.15 min Scan# 533
Delta R.T. -0.02 min
Lab File: VW008507.D
Acq: 04 Feb 2019 17:42

Tgt Ion: 59 Resp: 432
Ion Ratio Lower Upper
59 100
57 42.6 9.3 13.9#



Abundance Ion 59.00 (58.70 to 59.70): VW
Ion 57.00 (56.70 to 57.70): VW

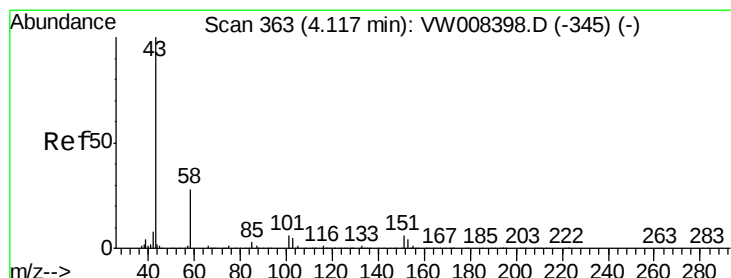
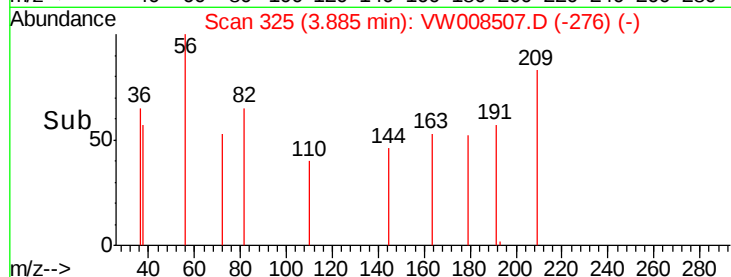
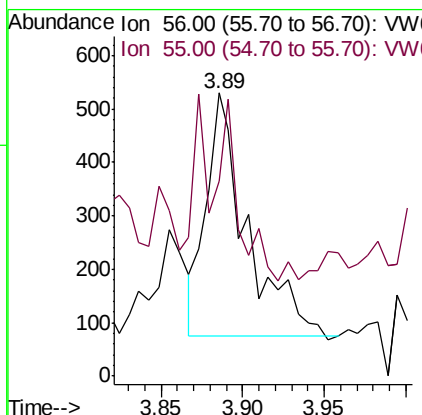
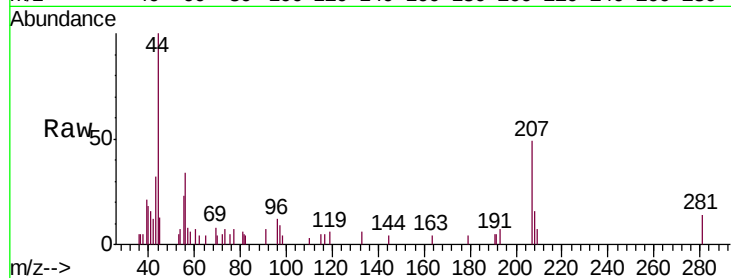




#13
Acrolein
Concen: 7.381 ug/l
RT: 3.89 min Scan# 325
Delta R.T. 0.00 min
Lab File: VW008507.D
Acq: 04 Feb 2019 17:42

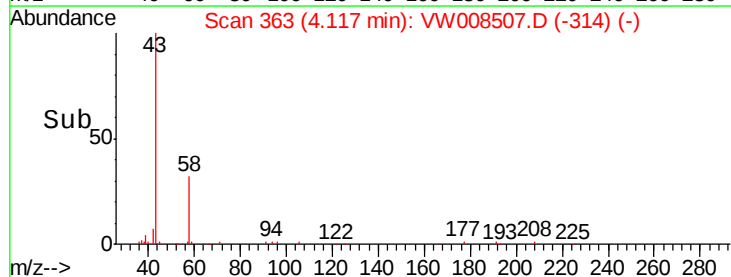
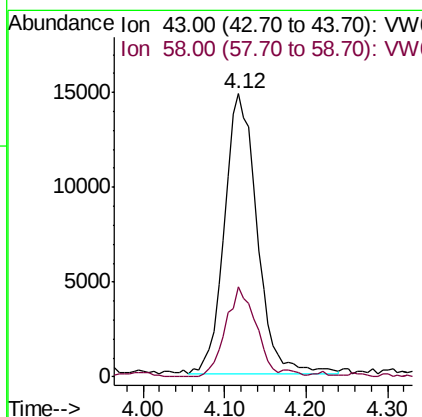
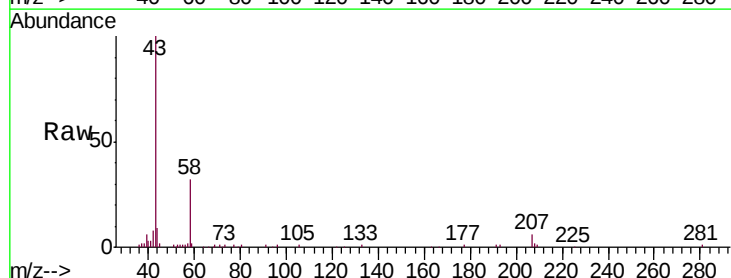
Instrument :
MSVOA_W
ClientSampleId :
EO-03-020419-A

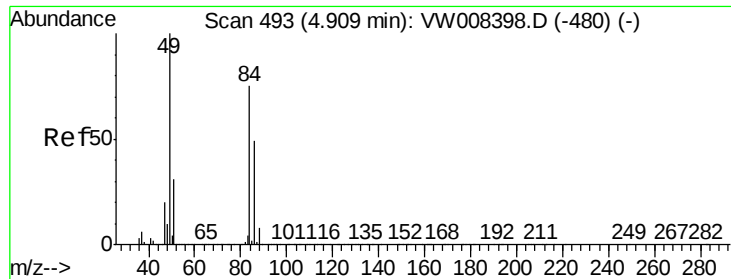
Tgt Ion: 56 Resp: 787
Ion Ratio Lower Upper
56 100
55 17.9 56.7 85.1#



#16
Acetone
Concen: 53.425 ug/l
RT: 4.12 min Scan# 363
Delta R.T. 0.00 min
Lab File: VW008507.D
Acq: 04 Feb 2019 17:42

Tgt Ion: 43 Resp: 40902
Ion Ratio Lower Upper
43 100
58 32.2 22.6 34.0

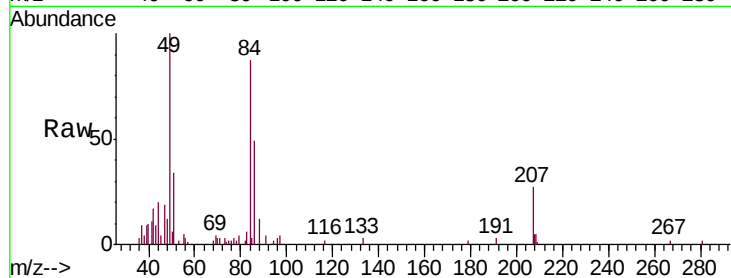




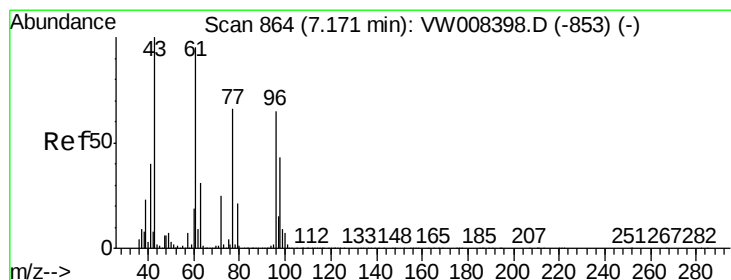
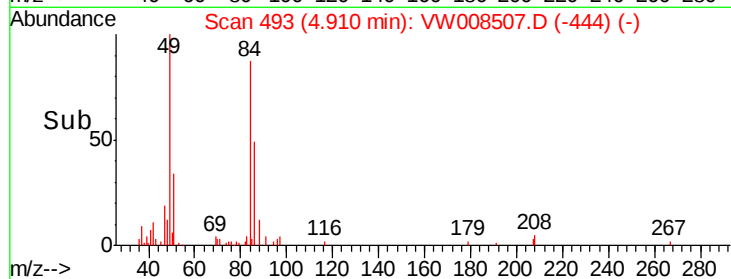
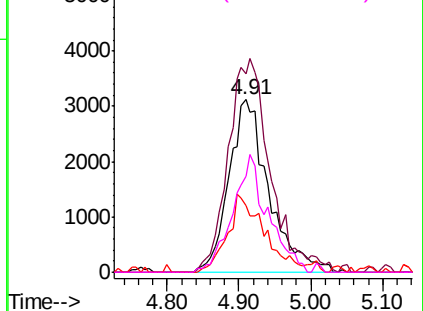
#20
Methylene Chloride
Concen: 3.404 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW008507.D
Acq: 04 Feb 2019 17:42

Instrument :
MSVOA_W
ClientSampleId :
EO-03-020419-A

Tgt Ion:	84	Resp:	12012
Ion	Ratio	Lower	Upper
84	100		
49	115.1	106.8	160.2
51	38.8	32.9	49.3
86	56.0	52.2	78.2

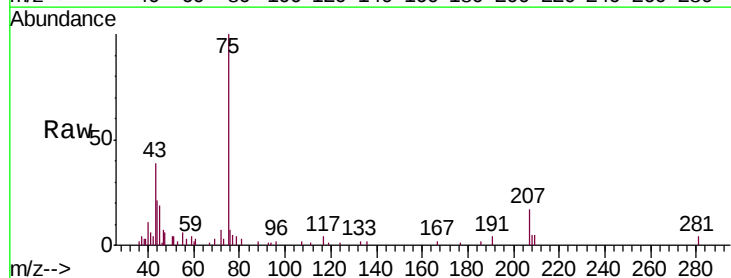


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

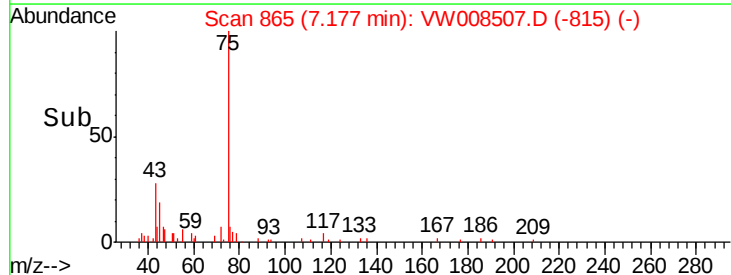
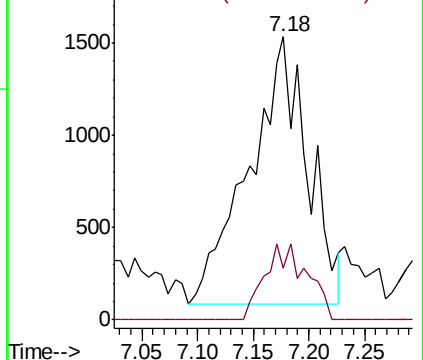


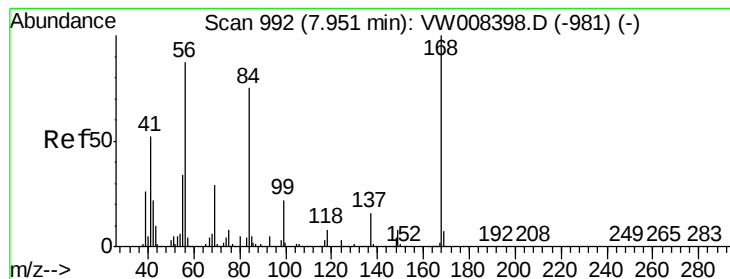
#25
2-Butanone
Concen: 4.999 ug/l
RT: 7.18 min Scan# 865
Delta R.T. 0.01 min
Lab File: VW008507.D
Acq: 04 Feb 2019 17:42

Tgt Ion:	43	Resp:	5316
Ion	Ratio	Lower	Upper
43	100		
72	19.3	20.1	30.1#



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW





#31

Cyclohexane

Concen: 1.313 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW008507.D

Acq: 04 Feb 2019 17:42

Instrument :

MSVOA_W

ClientSampleId :

EO-03-020419-A

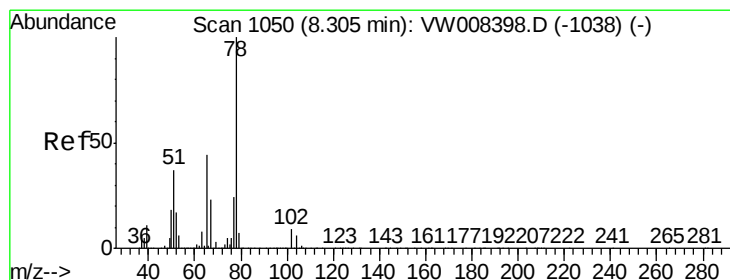
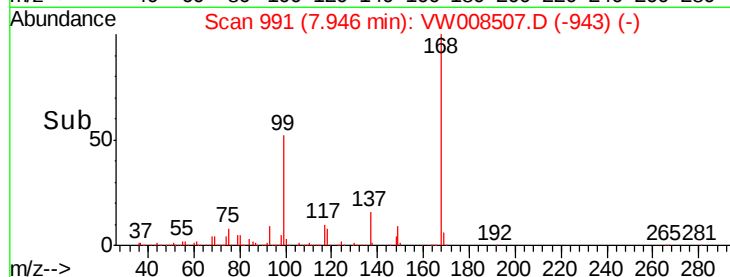
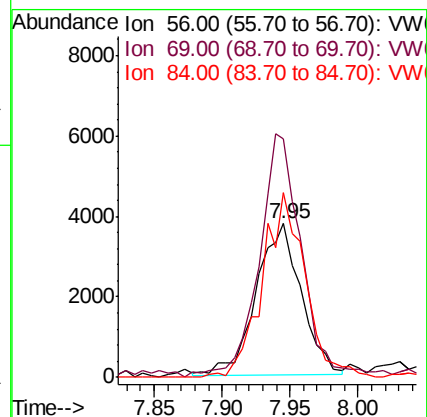
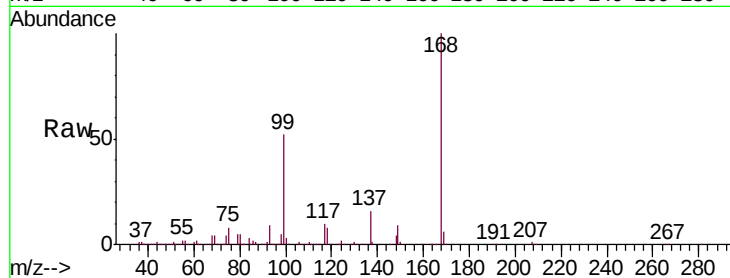
Tgt Ion: 56 Resp: 8782

Ion Ratio Lower Upper

56 100

69 155.8 26.4 39.6#

84 123.2 69.1 103.7#



#33

1,2-Dichloroethane-d4

Concen: 56.344 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW008507.D

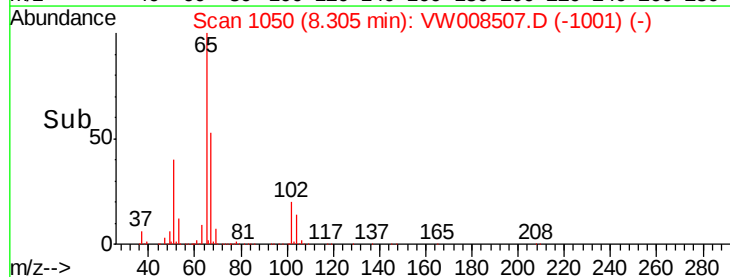
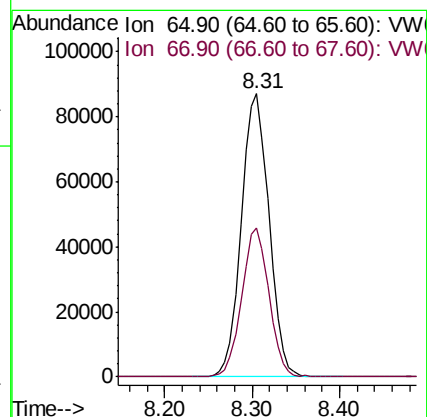
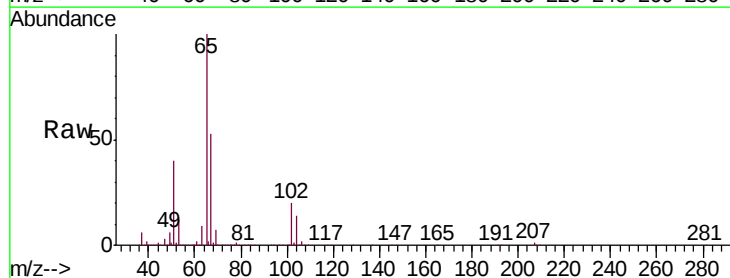
Acq: 04 Feb 2019 17:42

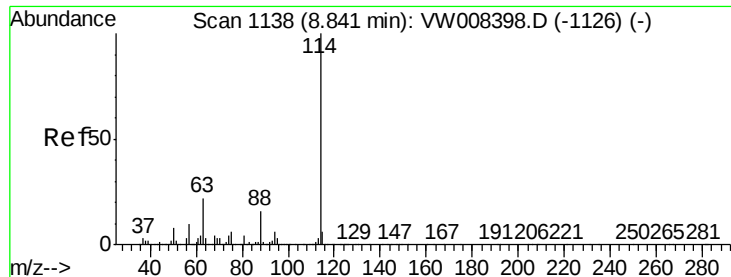
Tgt Ion: 65 Resp: 192089

Ion Ratio Lower Upper

65 100

67 51.8 0.0 104.0

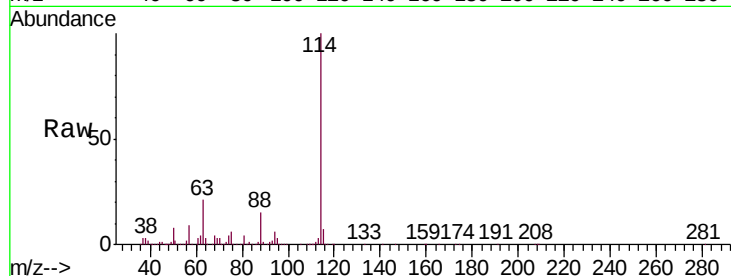




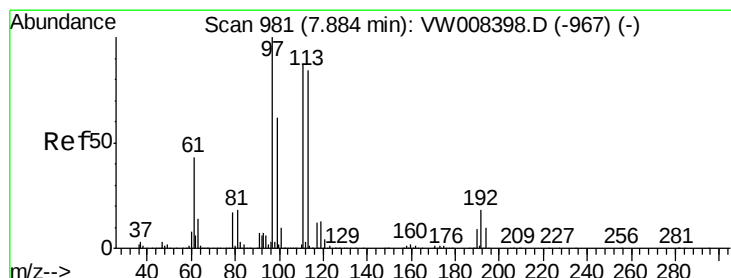
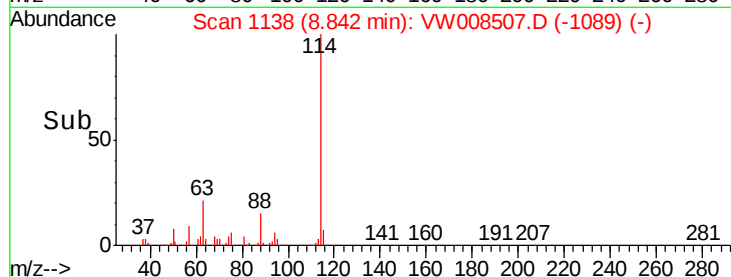
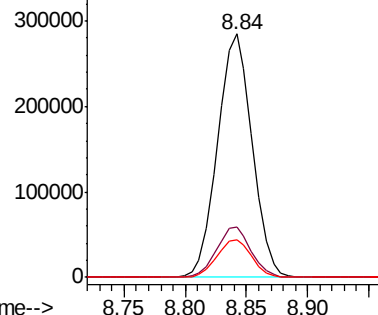
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008507.D
 Acq: 04 Feb 2019 17:42

Instrument :
 MSVOA_W
 ClientSampleId :
 EO-03-020419-A

Tgt Ion:	114	Resp:	560351
Ion	Ratio	Lower	Upper
114	100		
63	20.6	0.0	43.6
88	15.4	0.0	31.8

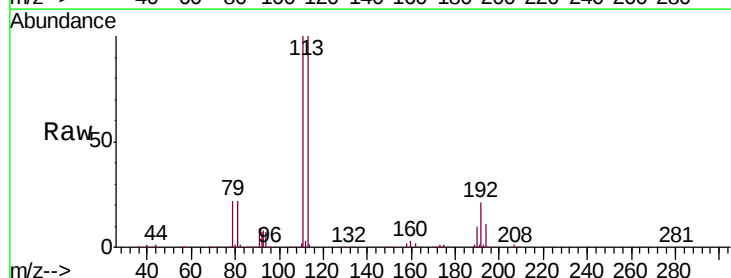


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

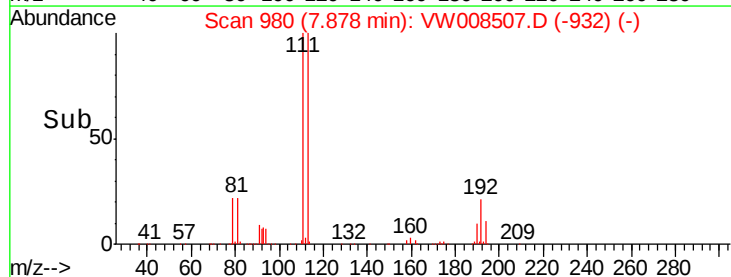
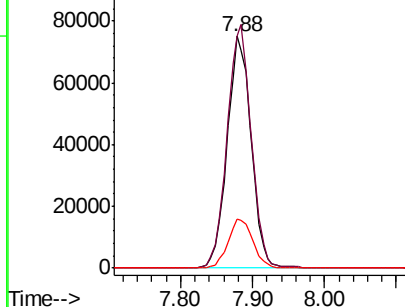


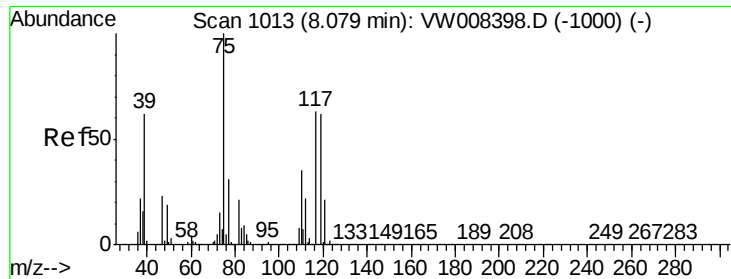
#35
 Dibromofluoromethane
 Concen: 53.082 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW008507.D
 Acq: 04 Feb 2019 17:42

Tgt Ion:	113	Resp:	173925
Ion	Ratio	Lower	Upper
113	100		
111	105.5	81.0	121.4
192	21.8	16.8	25.2



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: 4.867 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW008507.D

Acq: 04 Feb 2019 17:42

Instrument :

MSVOA_W

ClientSampleId :

EO-03-020419-A

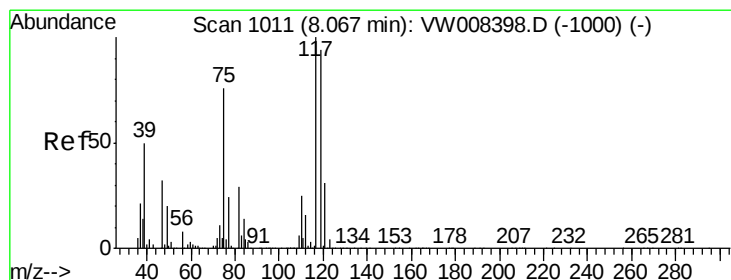
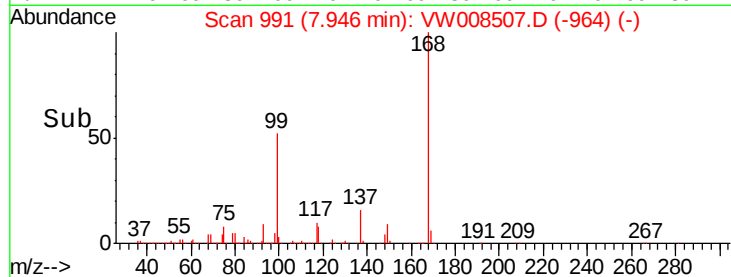
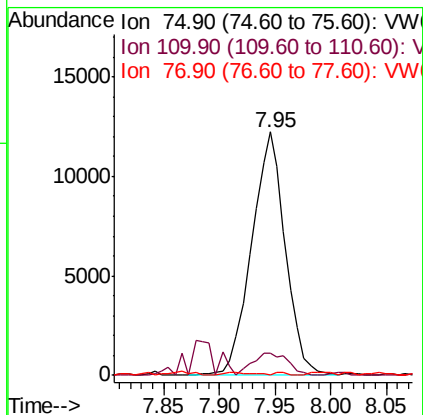
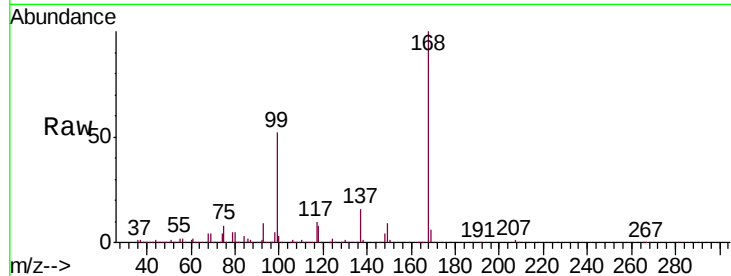
Tgt Ion: 75 Resp: 25762

Ion Ratio Lower Upper

75 100

110 9.5 17.3 52.0#

77 0.3 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 6.175 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW008507.D

Acq: 04 Feb 2019 17:42

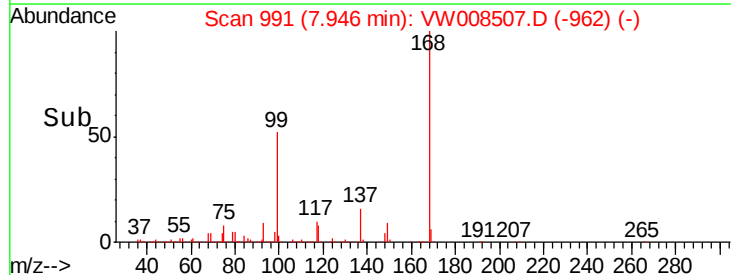
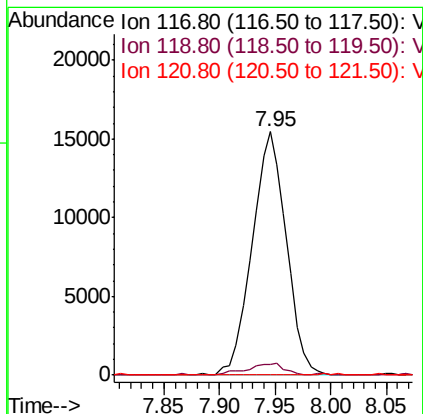
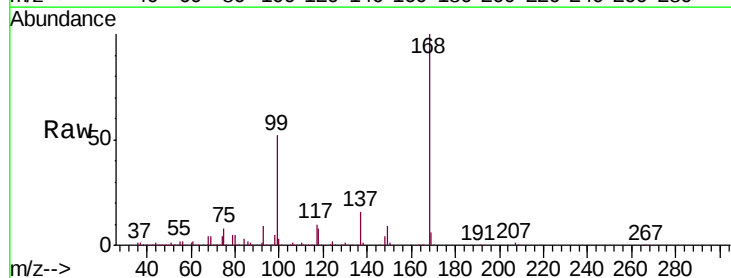
Tgt Ion: 117 Resp: 32891

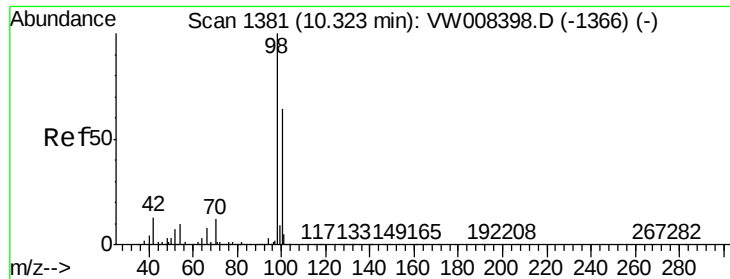
Ion Ratio Lower Upper

117 100

119 4.5 75.0 112.4#

121 0.0 24.9 37.3#





#50

Toluene-d8

Concen: 51.381 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW008507.D

Acq: 04 Feb 2019 17:42

Instrument :

MSVOA_W

ClientSampleId :

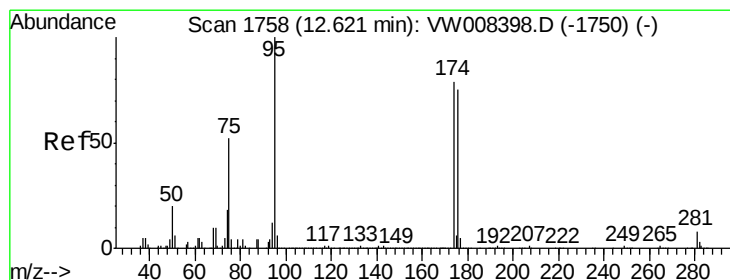
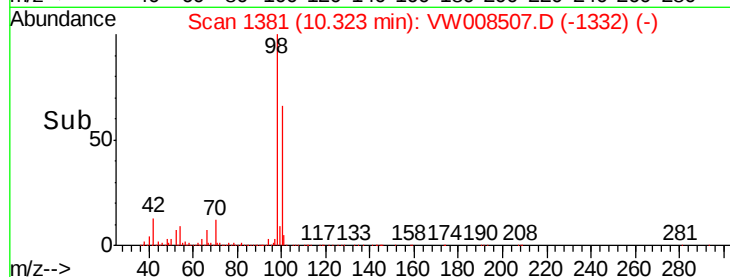
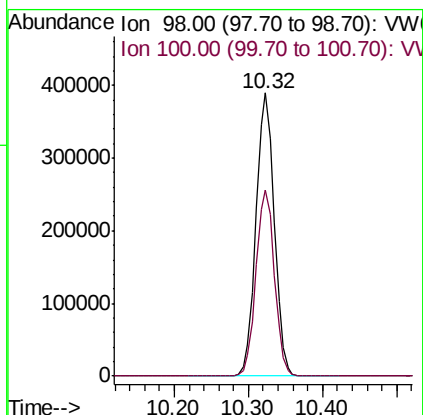
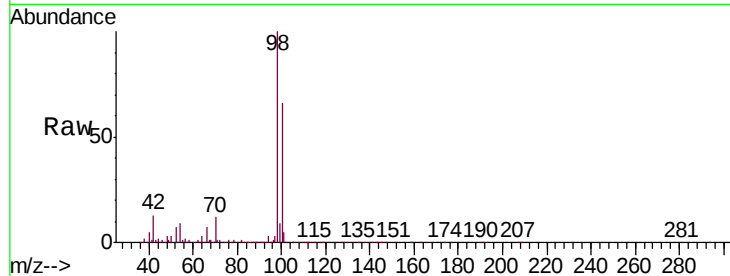
EO-03-020419-A

Tgt Ion: 98 Resp: 675098

Ion Ratio Lower Upper

98 100

100 66.1 52.6 78.8



#62

4-Bromofluorobenzene

Concen: 48.065 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008507.D

Acq: 04 Feb 2019 17:42

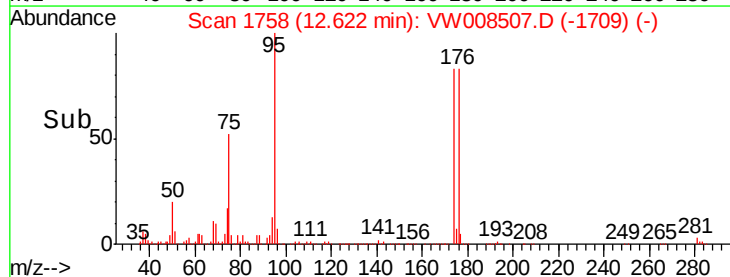
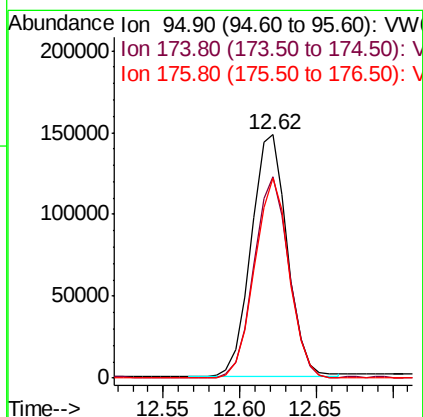
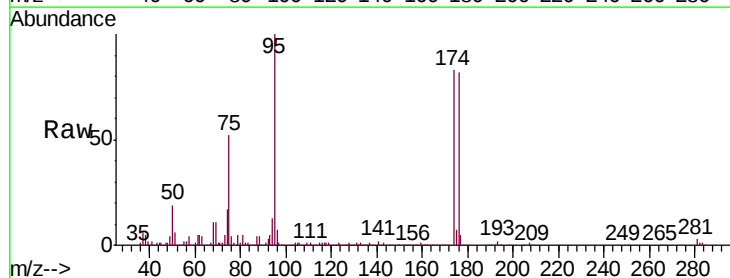
Tgt Ion: 95 Resp: 242752

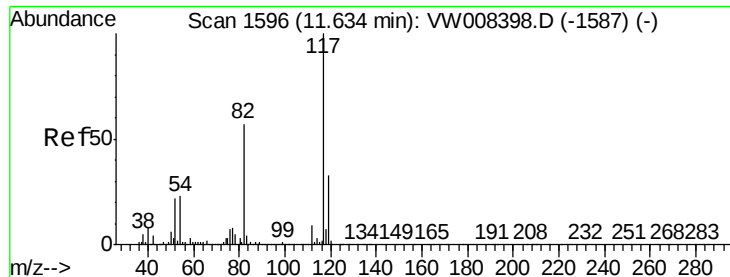
Ion Ratio Lower Upper

95 100

174 80.6 0.0 157.6

176 79.4 0.0 151.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VW008507.D

Acq: 04 Feb 2019 17:42

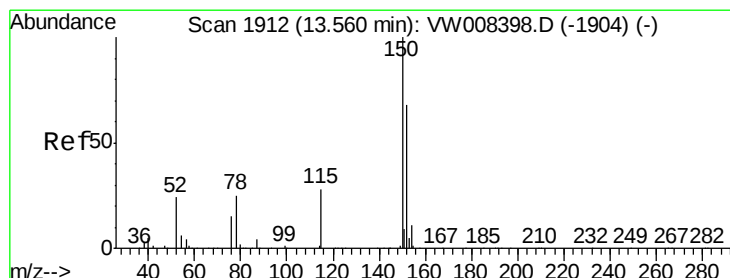
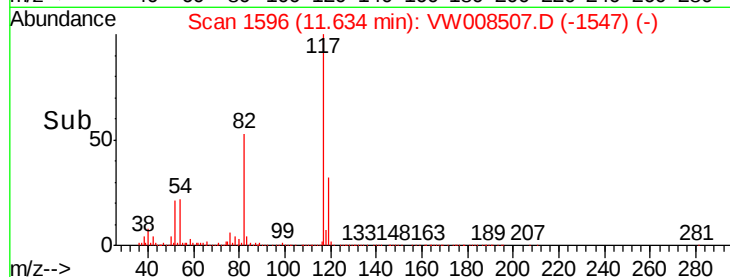
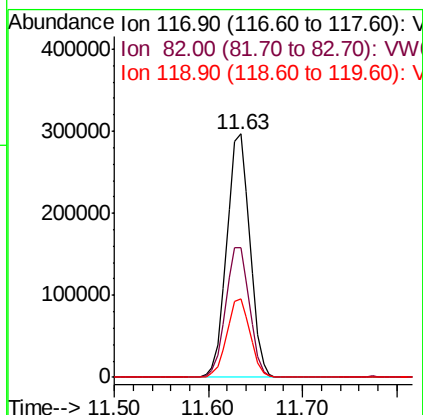
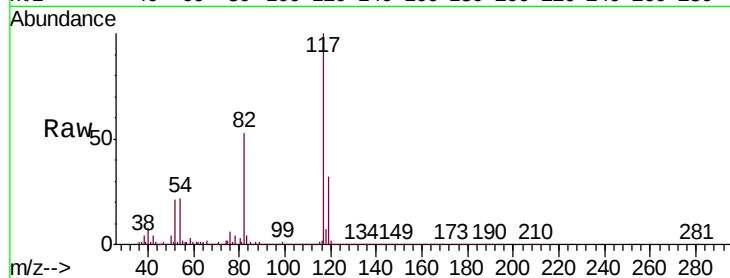
Instrument :

MSVOA_W

ClientSampleId :

EO-03-020419-A

Tgt Ion:	117	Resp:	504834
Ion	Ratio	Lower	Upper
117	100		
82	53.1	45.4	68.0
119	31.9	26.2	39.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

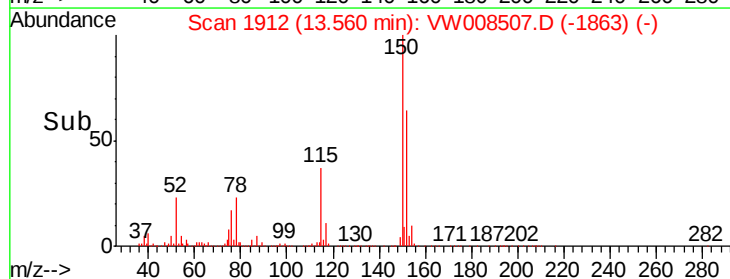
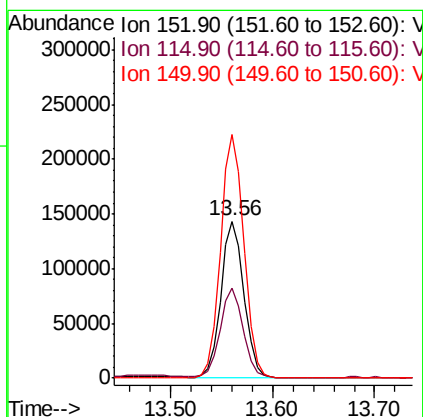
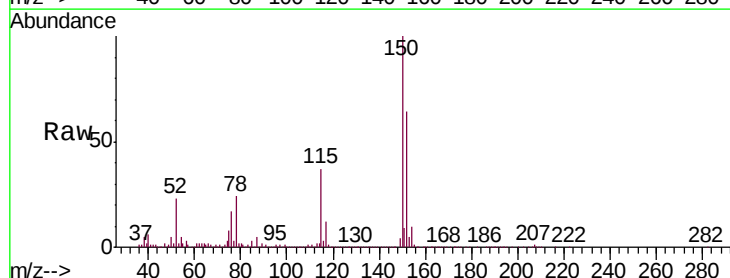
RT: 13.56 min Scan# 1912

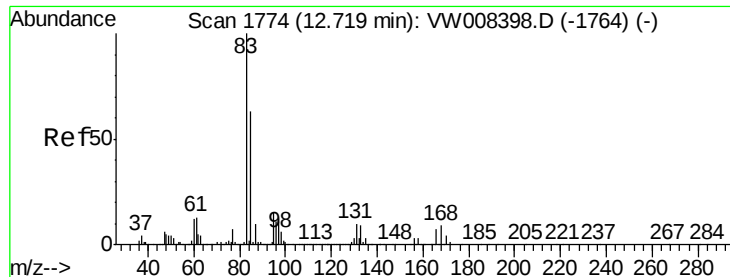
Delta R.T. 0.00 min

Lab File: VW008507.D

Acq: 04 Feb 2019 17:42

Tgt Ion:	152	Resp:	224508
Ion	Ratio	Lower	Upper
152	100		
115	57.0	29.9	89.7
150	156.8	0.0	351.4





#75

1,1,2,2-Tetrachloroethane

Concen: 4.860 ug/l

RT: 12.68 min Scan# 1768

Delta R.T. -0.04 min

Lab File: VW008507.D

Acq: 04 Feb 2019 17:42

Instrument :

MSVOA_W

ClientSampleId :

EO-03-020419-A

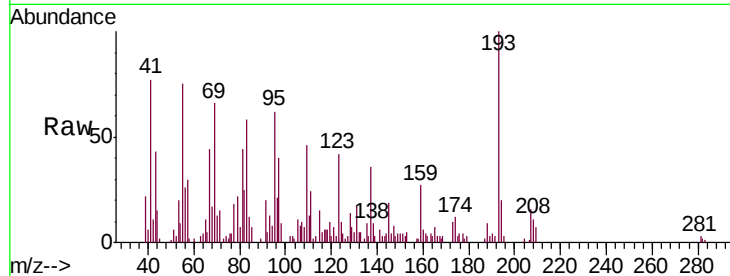
Tgt Ion: 83 Resp: 12878

Ion Ratio Lower Upper

83 100

131 6.7 5.5 16.4

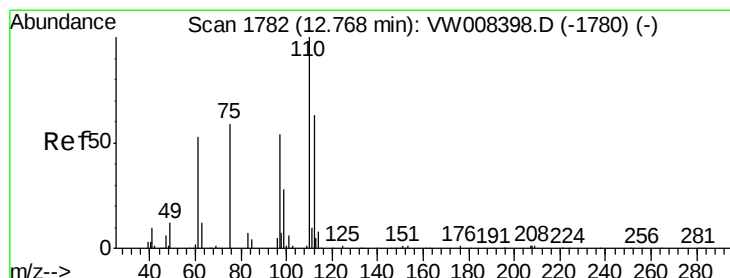
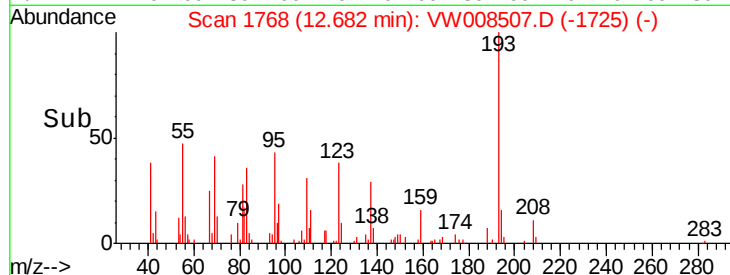
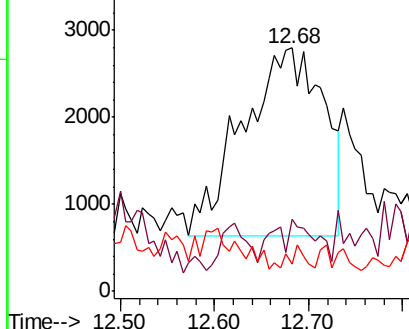
85 1.9 31.9 95.5#



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 63.883 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008507.D

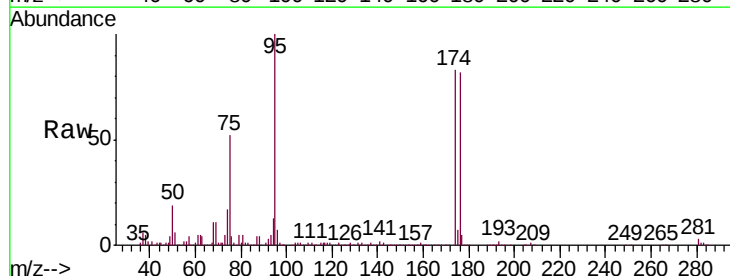
Acq: 04 Feb 2019 17:42

Tgt Ion: 75 Resp: 124696

Ion Ratio Lower Upper

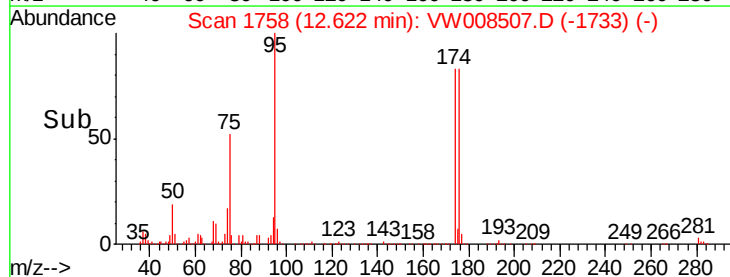
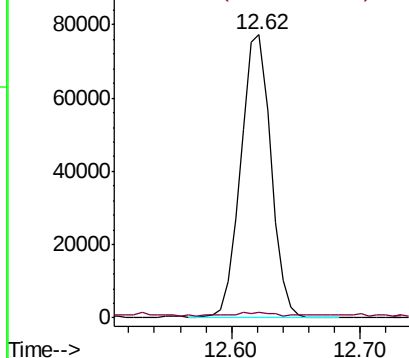
75 100

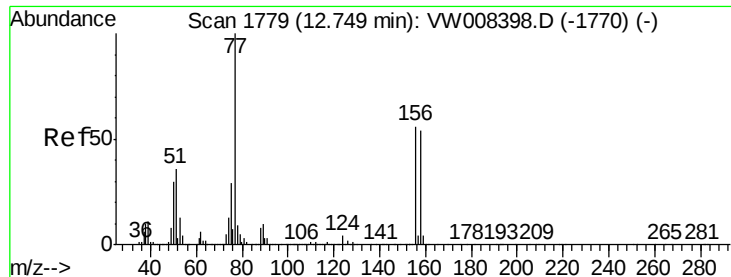
77 1.3 180.7 542.1#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 29.336 ug/l

RT: 12.91 min Scan# 1806

Delta R.T. 0.16 min

Lab File: VW008507.D

Acq: 04 Feb 2019 17:42

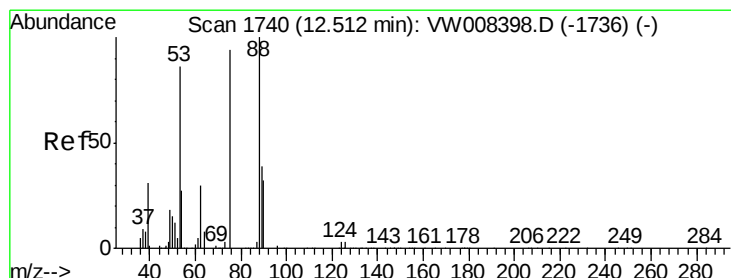
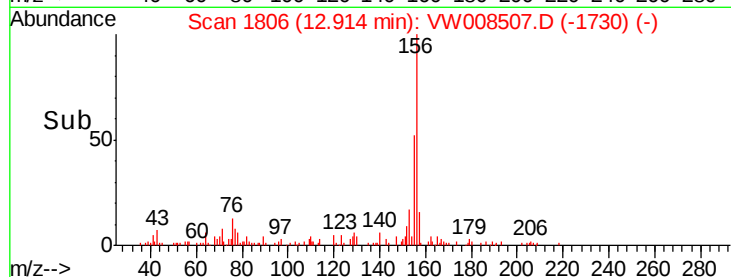
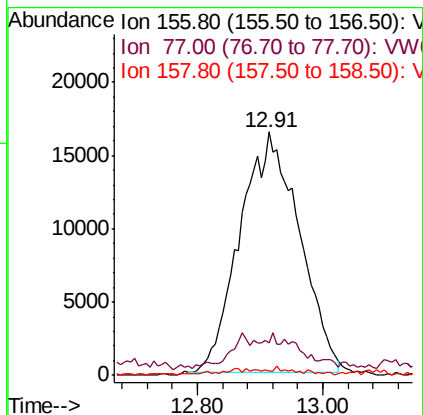
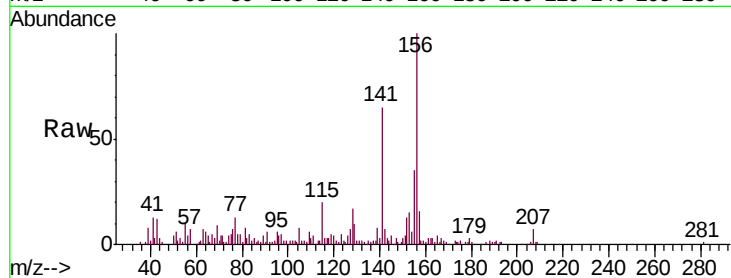
Instrument :

MSVOA_W

ClientSampleId :

EO-03-020419-A

Tgt Ion:	156	Resp:	107232
Ion Ratio	Lower	Upper	
156	100		
77	0.0	96.9	290.7#
158	0.5	48.8	146.4#



#81

trans-1,4-Dichloro-2-butene

Concen: 126.174 ug/l

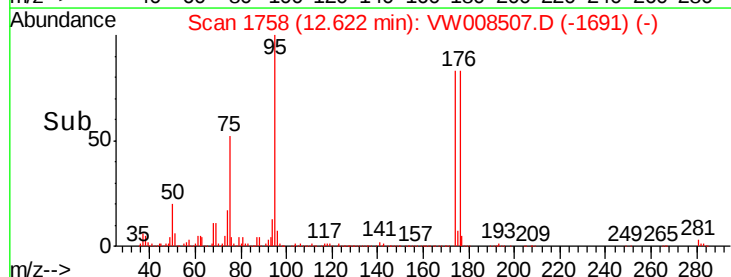
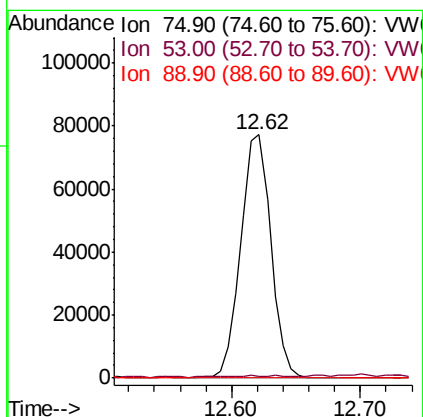
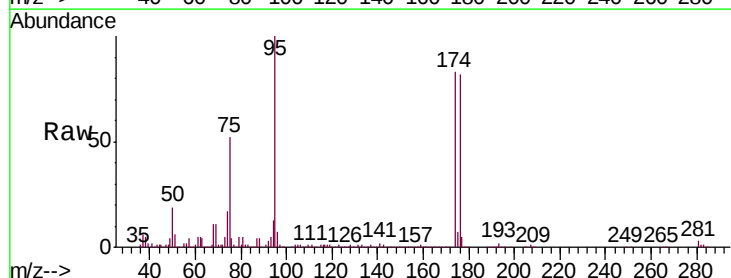
RT: 12.62 min Scan# 1758

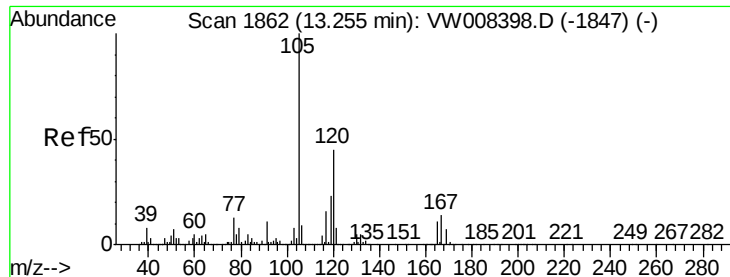
Delta R.T. 0.11 min

Lab File: VW008507.D

Acq: 04 Feb 2019 17:42

Tgt Ion:	75	Resp:	124696
Ion Ratio	Lower	Upper	
75	100		
53	0.2	76.0	114.0#
89	0.3	35.4	53.0#

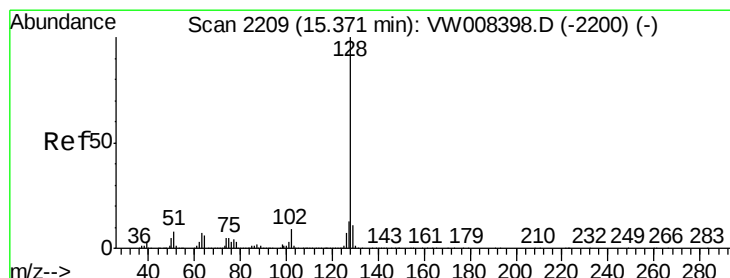
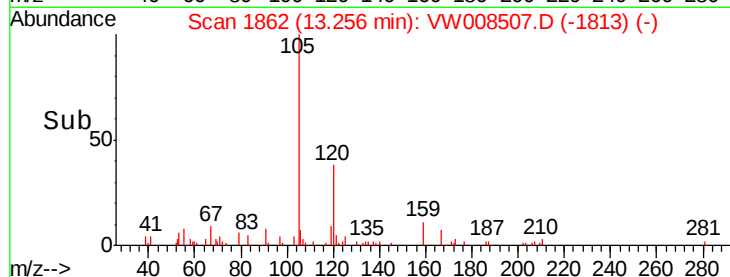
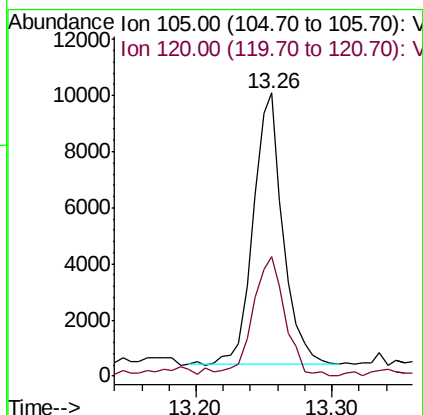
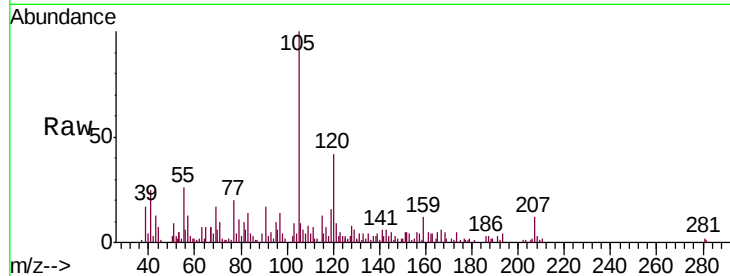




#84
 1,2,4-Trimethylbenzene
 Concen: 1.037 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VW008507.D
 Acq: 04 Feb 2019 17:42

Instrument :
 MSVOA_W
 ClientSampleId :
 EO-03-020419-A

Tgt Ion:105 Resp: 14747
 Ion Ratio Lower Upper
 105 100
 120 49.2 23.1 69.2



#95
 Naphthalene
 Concen: 2.300 ug/l
 RT: 15.37 min Scan# 2209
 Delta R.T. 0.00 min
 Lab File: VW008507.D
 Acq: 04 Feb 2019 17:42

Tgt Ion:128 Resp: 18823
 Ion Ratio Lower Upper
 128 100
 127 15.3 10.6 15.8
 129 8.5 8.7 13.1#

