

Data Path : W:\HPCHEM1\MSVOA_W\DATA\VW012418\
 Data File : VW000983.D
 Acq On : 25 Jan 2018 06:34
 Operator : JC/SY
 Sample : J1289-17
 Misc : 5.05G/5.0ML/MSVOA_W/SOIL
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-54-13.5-14.0

Quant Time: Jan 25 07:00:52 2018
 Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\82W012318S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 23 13:31:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	179737	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	277423	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	231190	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	85119	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	121131	70.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	140.62%	
35) Dibromofluoromethane	7.88	113	106851	62.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	125.74%	
50) Toluene-d8	10.34	98	340200	50.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.56%	
62) 4-Bromofluorobenzene	12.63	95	100680	41.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.52%	

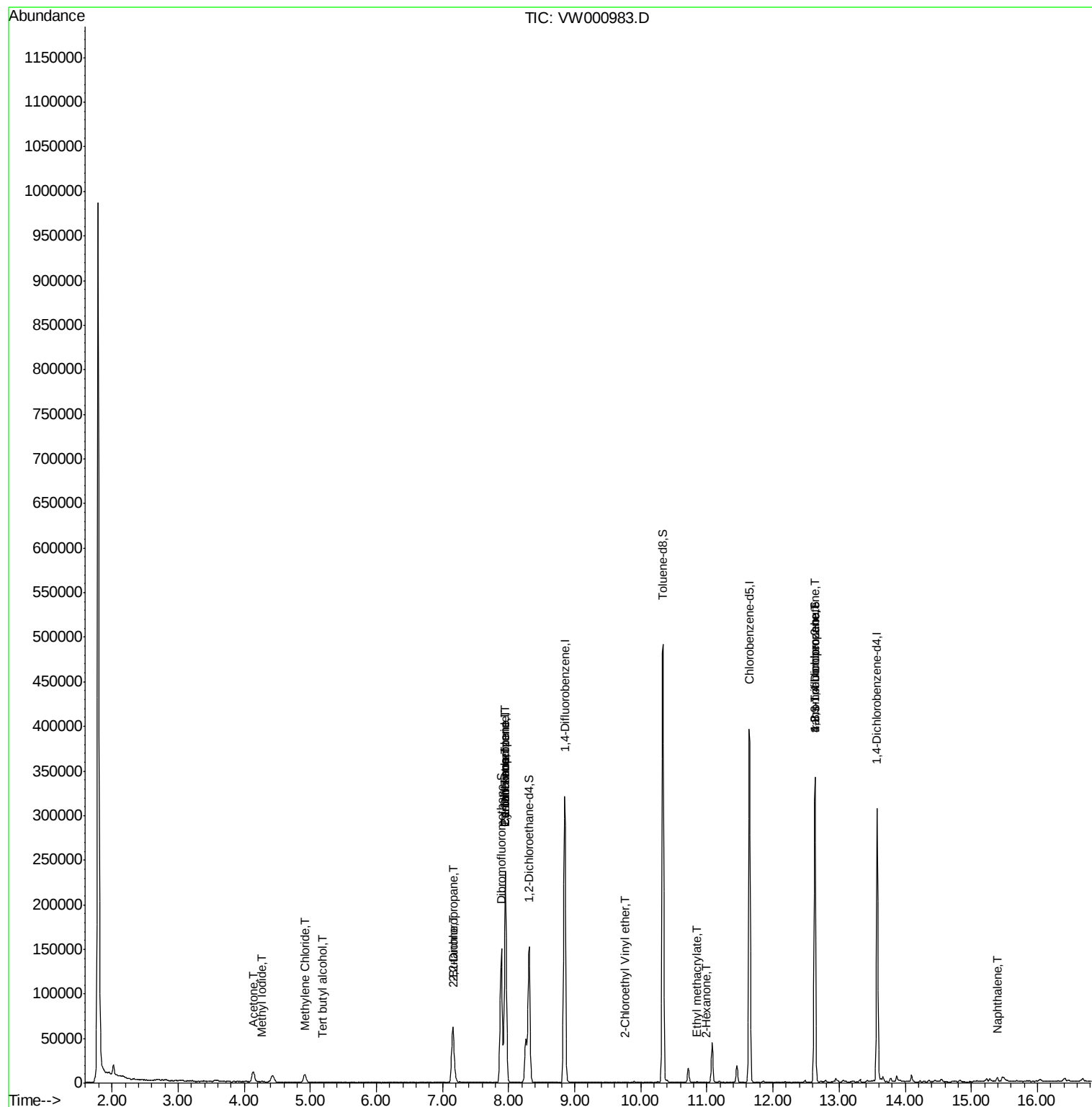
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.28	142	467	5.09	ug/l #	83
11) Tert butyl alcohol	5.18	59	416	2.23	ug/l #	76
16) Acetone	4.14	43	19658	42.17	ug/l	91
20) Methylene Chloride	4.92	84	6631	1.36	ug/l	90
25) 2-Butanone	7.17	43	5533	7.26	ug/l #	78
26) 2,2-Dichloropropane	7.16	77	3972	1.44	ug/l #	52
31) Cyclohexane	7.95	56	3748	1.33	ug/l #	2
36) 1,1-Dichloropropene	7.95	75	13265	5.01	ug/l #	49
38) Carbon Tetrachloride	7.95	117	17526	6.00	ug/l #	17
56) Ethyl methacrylate	10.84	69	44	3.27	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.77	63	20	25.87	ug/l #	45
59) 2-Hexanone	10.98	43	238	14.85	ug/l #	24
76) 1,2,3-Trichloropropane	12.63	75	50184	50.95	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	50184	120.76	ug/l #	11
95) Naphthalene	15.40	128	4318	1.10	ug/l #	95

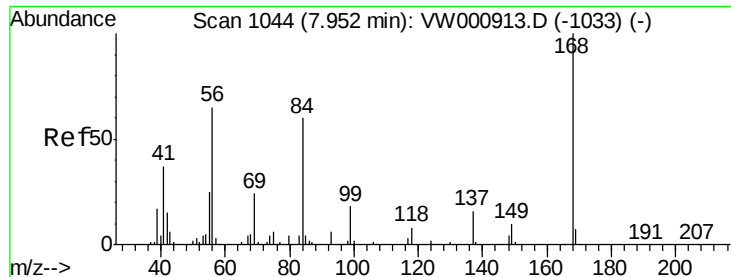
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW000983.D

Acq: 25 Jan 2018 06:34

Instrument :

MSVOA_W

ClientSampleId :

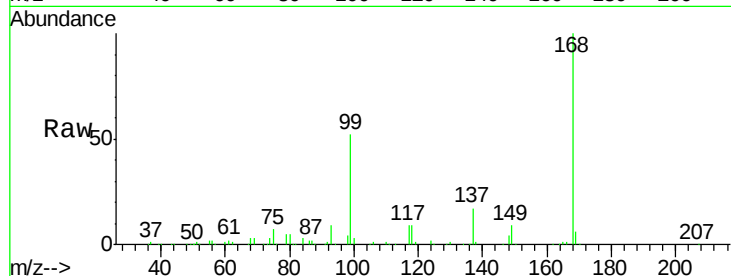
SB-54-13.5-14.0

Tgt Ion:168 Resp: 179737

Ion Ratio Lower Upper

168 100

99 52.1 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

80000

60000

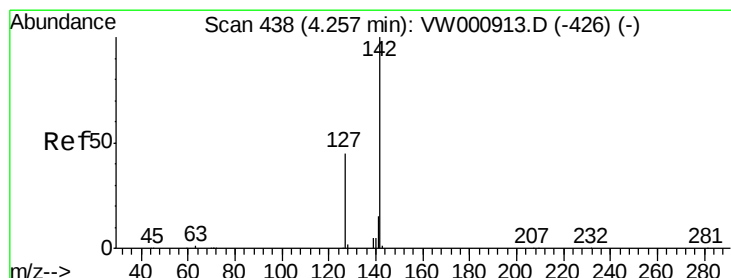
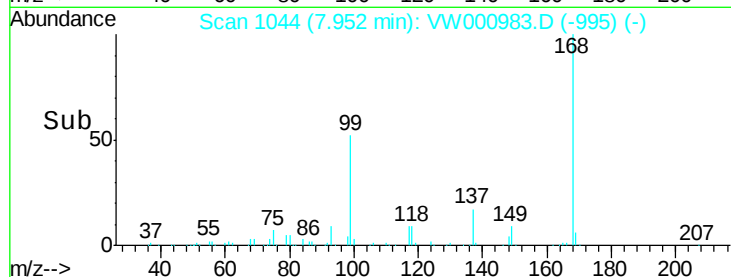
40000

20000

0

7.90 8.00

Time-->



#10

Methyl Iodide

Concen: 5.09 ug/l

RT: 4.28 min Scan# 441

Delta R.T. 0.02 min

Lab File: VW000983.D

Acq: 25 Jan 2018 06:34

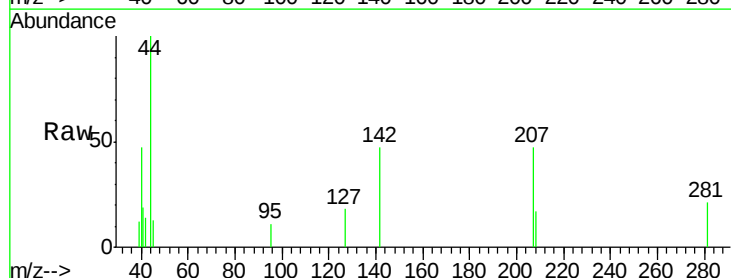
Tgt Ion:142 Resp: 467

Ion Ratio Lower Upper

142 100

127 37.0 35.5 53.3

141 0.0 11.7 17.5#



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

4.28

300

250

200

150

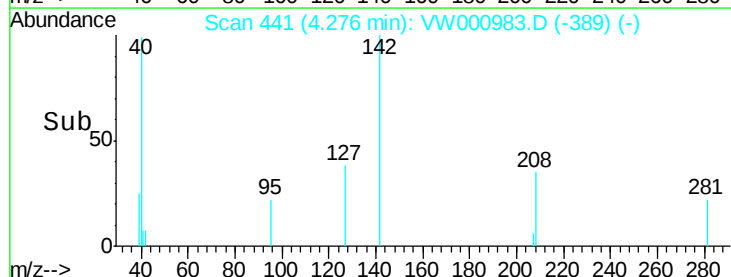
100

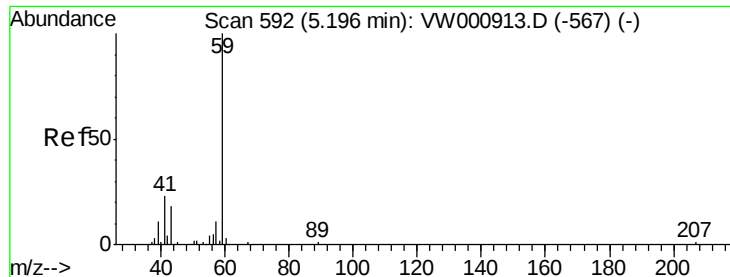
50

0

4.20 4.25 4.30

Time-->

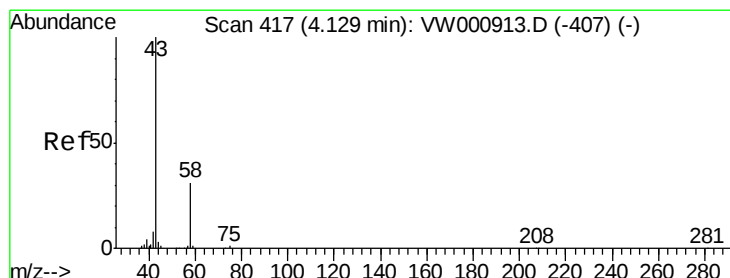
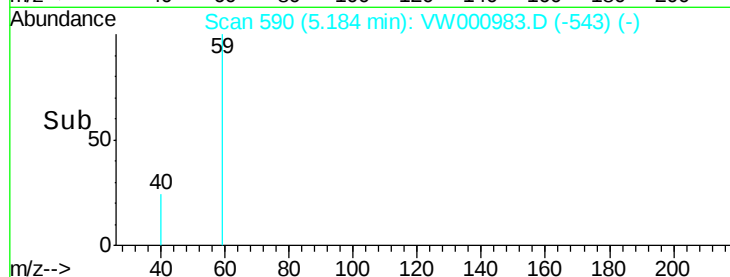
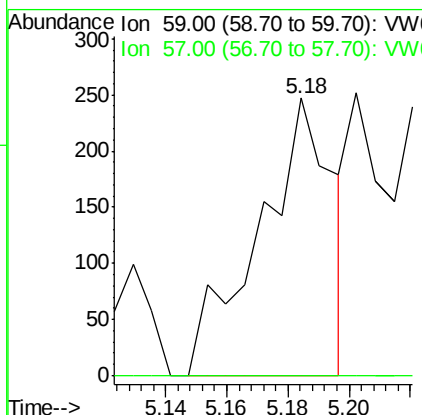
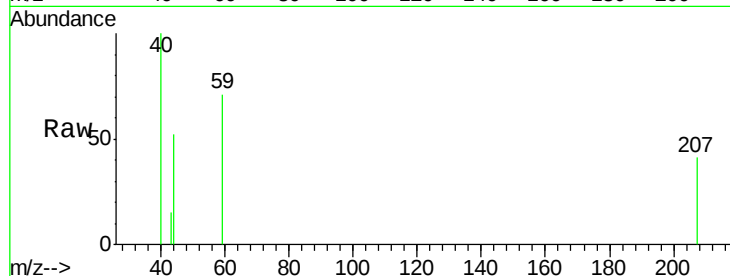




#11
Tert butyl alcohol
Concen: 2.23 ug/l
RT: 5.18 min Scan# 590
Delta R.T. -0.01 min
Lab File: VW000983.D
Acq: 25 Jan 2018 06:34

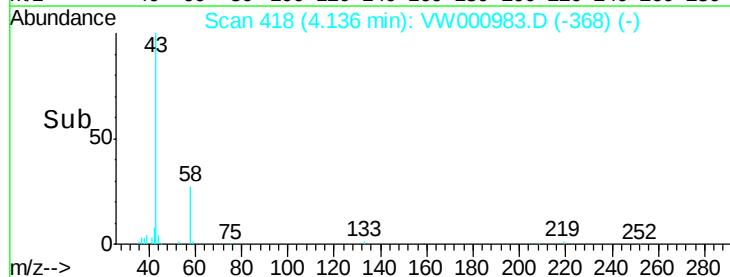
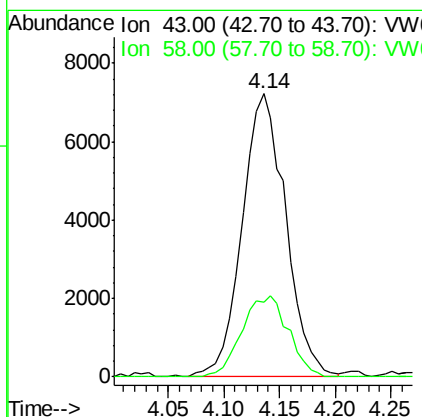
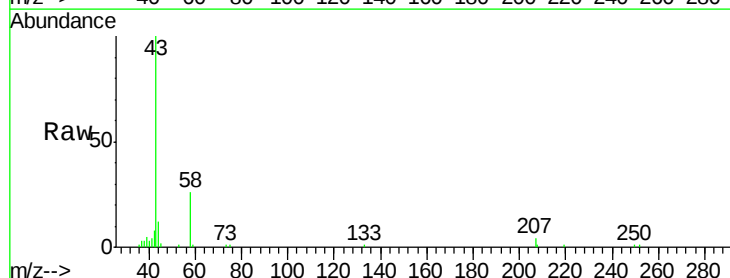
Instrument :
MSVOA_W
ClientSampleId :
SB-54-13.5-14.0

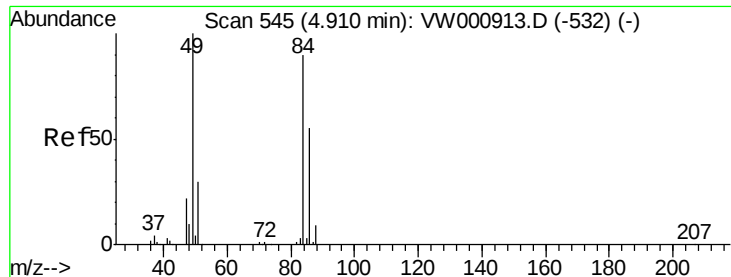
Tgt Ion: 59 Resp: 416
Ion Ratio Lower Upper
59 100
57 0.0 7.0 10.6#



#16
Acetone
Concen: 42.17 ug/l
RT: 4.14 min Scan# 418
Delta R.T. 0.01 min
Lab File: VW000983.D
Acq: 25 Jan 2018 06:34

Tgt Ion: 43 Resp: 19658
Ion Ratio Lower Upper
43 100
58 26.3 24.9 37.3

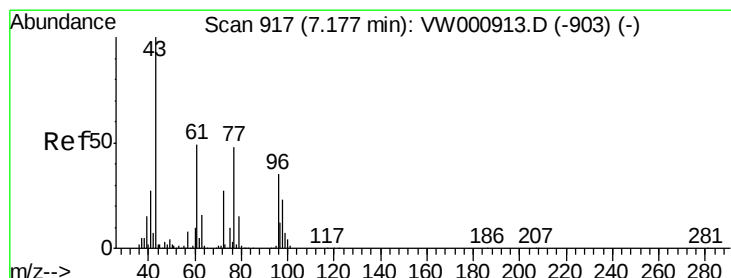
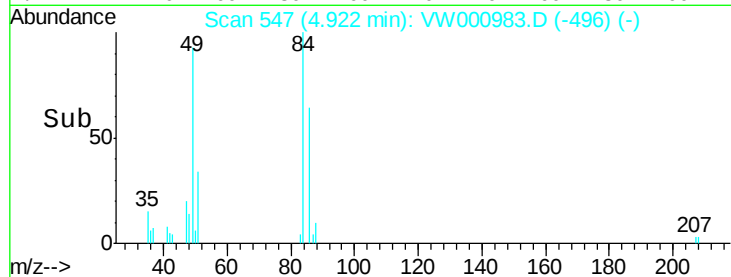
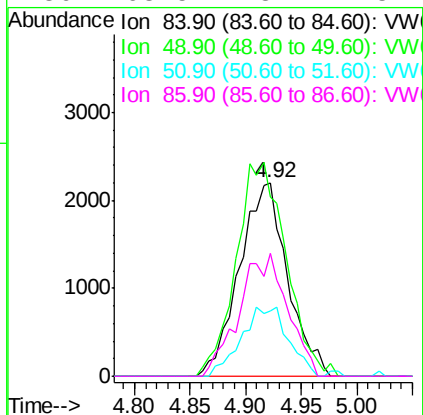
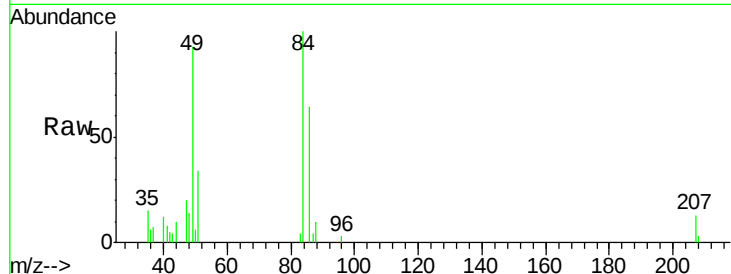




#20
Methylene Chloride
Concen: 1.36 ug/l
RT: 4.92 min Scan# 547
Delta R.T. 0.01 min
Lab File: VW000983.D
Acq: 25 Jan 2018 06:34

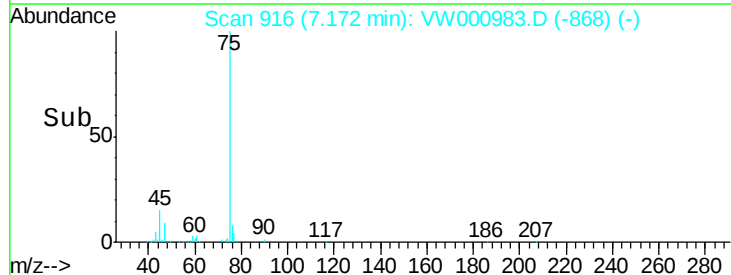
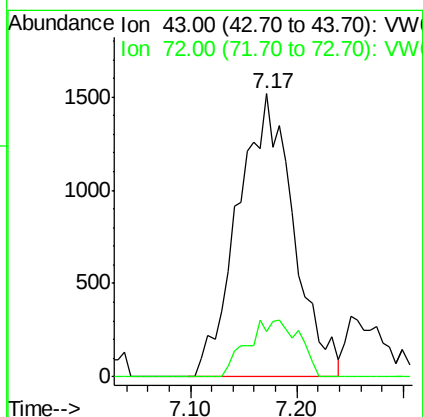
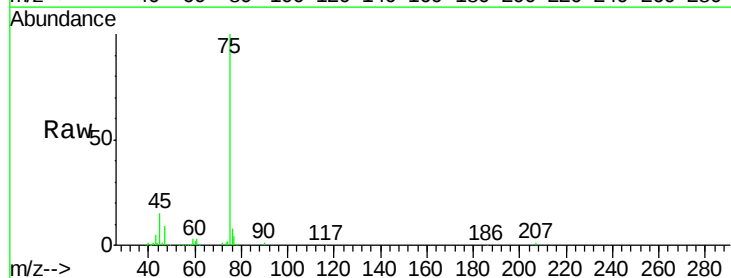
Instrument :
MSVOA_W
ClientSampleId :
SB-54-13.5-14.0

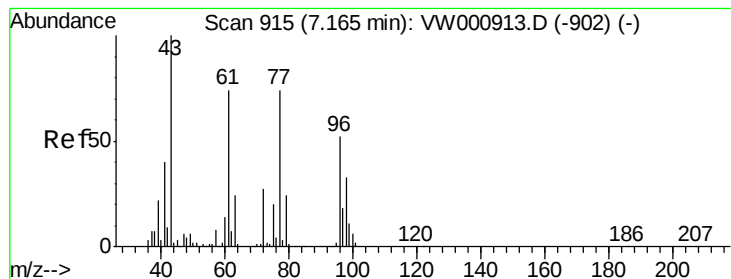
Tgt Ion: 84 Resp: 6631
Ion Ratio Lower Upper
84 100
49 92.9 89.0 133.4
51 33.7 26.7 40.1
86 63.5 48.7 73.1



#25
2-Butanone
Concen: 7.26 ug/l
RT: 7.17 min Scan# 916
Delta R.T. -0.01 min
Lab File: VW000983.D
Acq: 25 Jan 2018 06:34

Tgt Ion: 43 Resp: 5533
Ion Ratio Lower Upper
43 100
72 15.8 21.5 32.3#





#26

2,2-Dichloropropane

Concen: 1.44 ug/l

RT: 7.16 min Scan# 914

Delta R.T. -0.01 min

Lab File: VW000983.D

Acq: 25 Jan 2018 06:34

Instrument :

MSVOA_W

ClientSampleId :

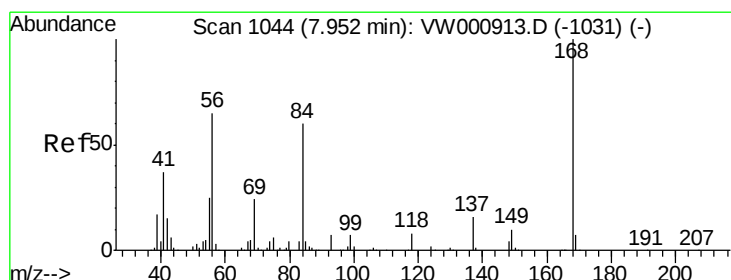
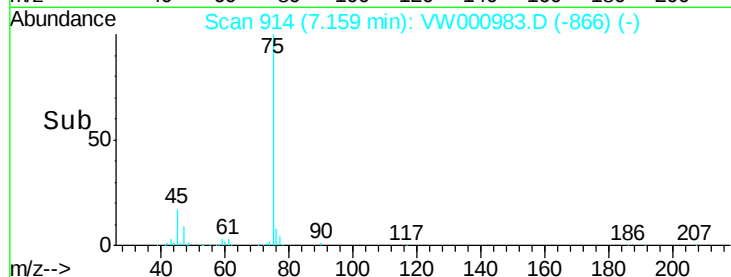
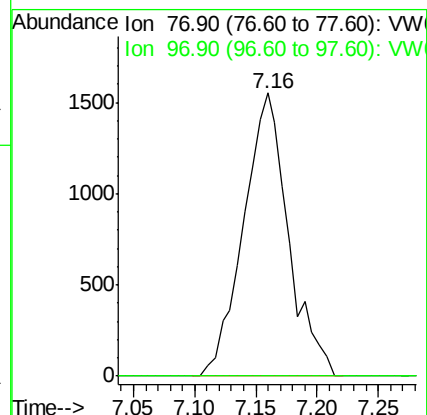
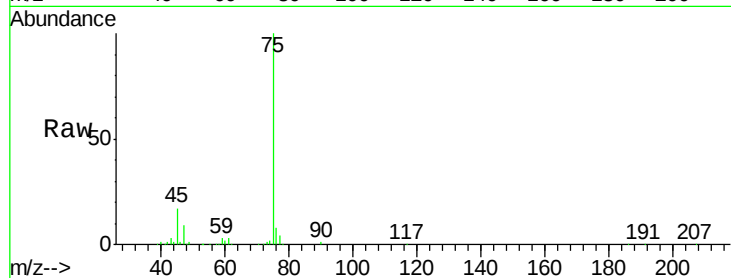
SB-54-13.5-14.0

Tgt Ion: 77 Resp: 3972

Ion Ratio Lower Upper

77 100

97 0.0 11.8 35.3#



#31

Cyclohexane

Concen: 1.33 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW000983.D

Acq: 25 Jan 2018 06:34

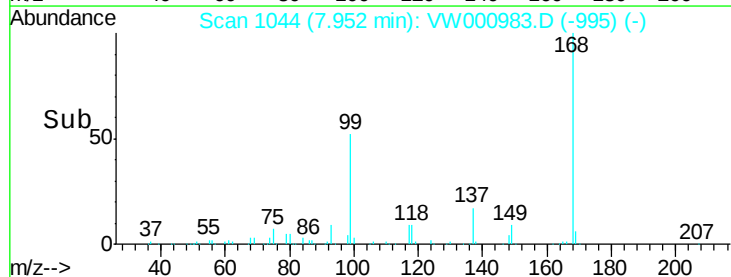
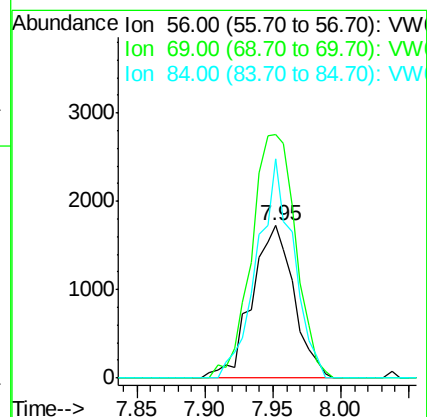
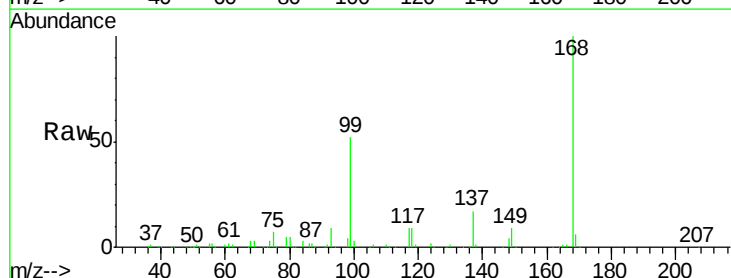
Tgt Ion: 56 Resp: 3748

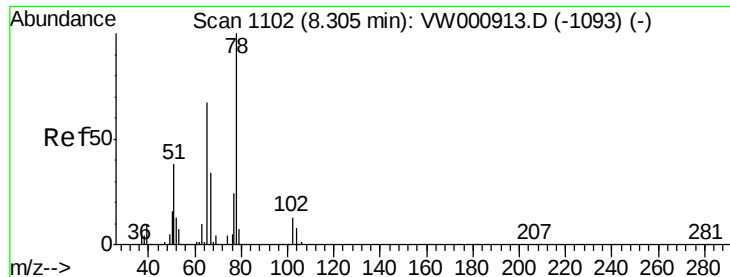
Ion Ratio Lower Upper

56 100

69 159.8 29.2 43.8#

84 143.8 73.6 110.4#





#33

1,2-Dichloroethane-d4

Concen: 70.31 ug/l

RT: 8.31 min Scan# 1103

Delta R.T. 0.01 min

Lab File: VW000983.D

Acq: 25 Jan 2018 06:34

Instrument :

MSVOA_W

ClientSampleId :

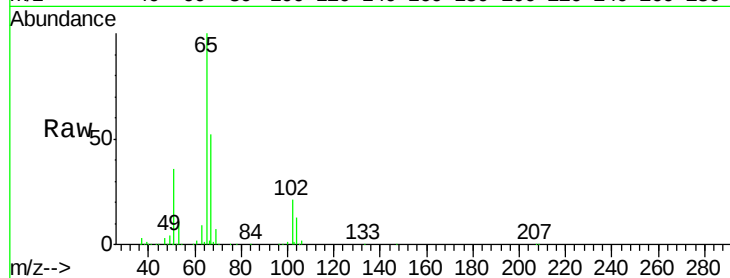
SB-54-13.5-14.0

Tgt Ion: 65 Resp: 121131

Ion Ratio Lower Upper

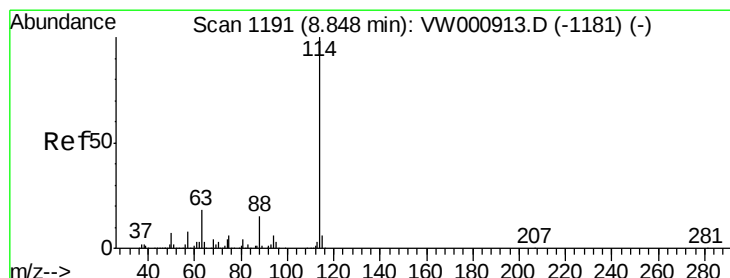
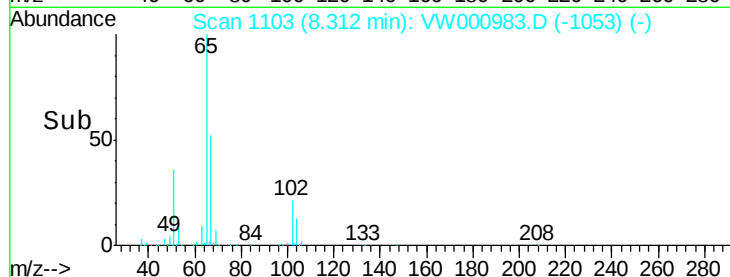
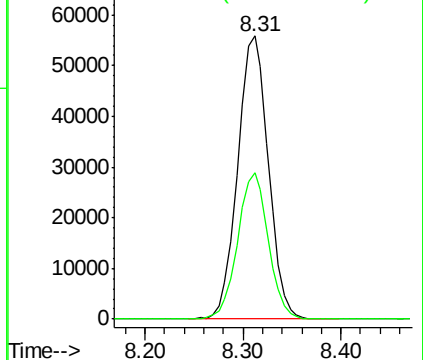
65 100

67 51.6 0.0 105.8



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.85 min Scan# 1191

Delta R.T. 0.00 min

Lab File: VW000983.D

Acq: 25 Jan 2018 06:34

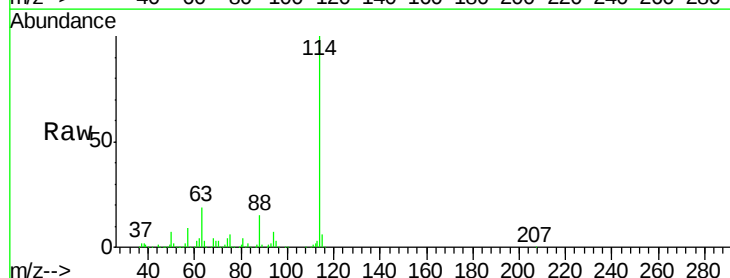
Tgt Ion: 114 Resp: 277423

Ion Ratio Lower Upper

114 100

63 18.8 0.0 36.8

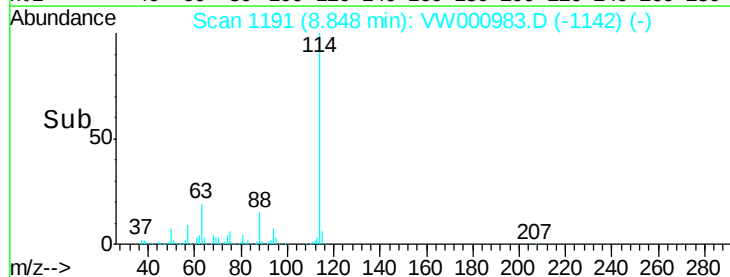
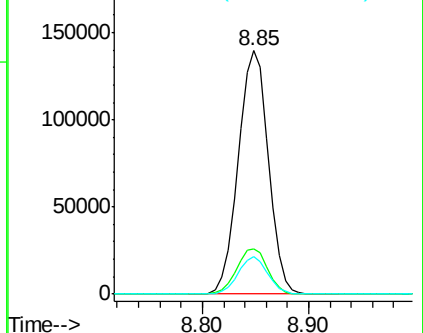
88 15.2 0.0 29.8

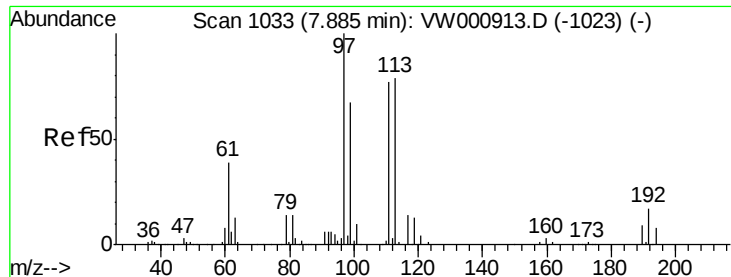


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

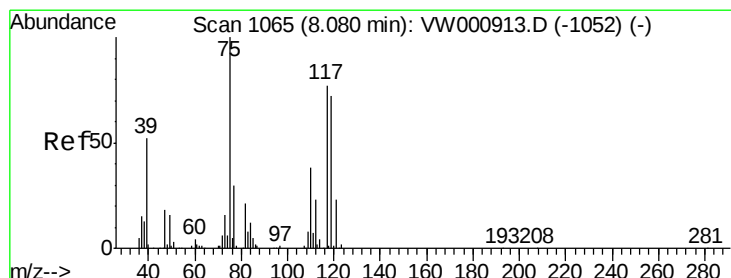
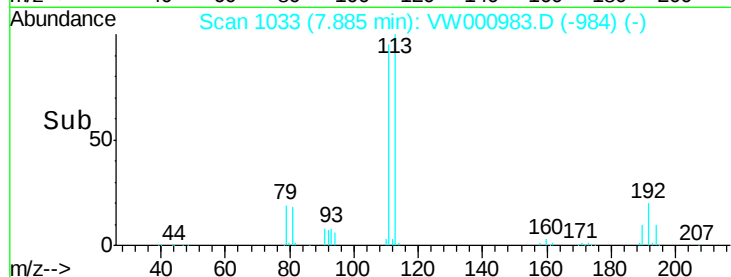
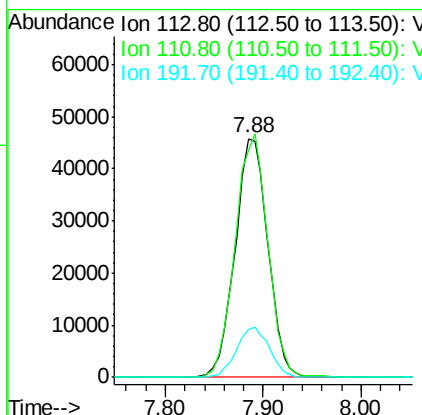
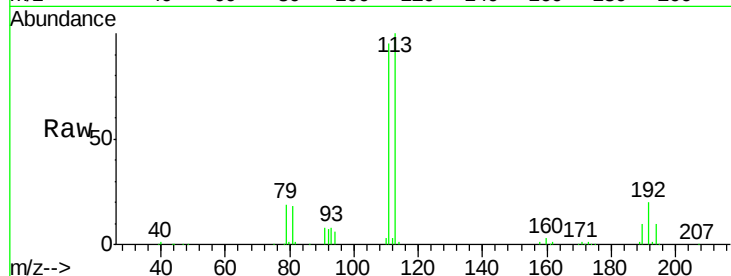




#35
 Dibromofluoromethane
 Concen: 62.87 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: VW000983.D
 Acq: 25 Jan 2018 06:34

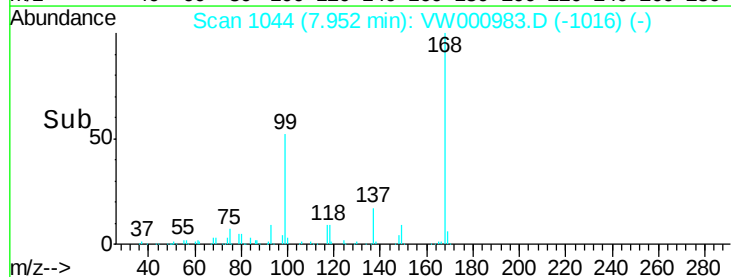
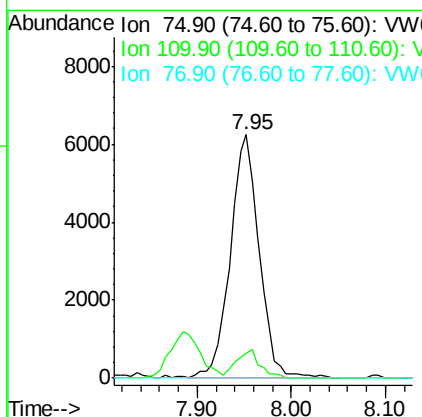
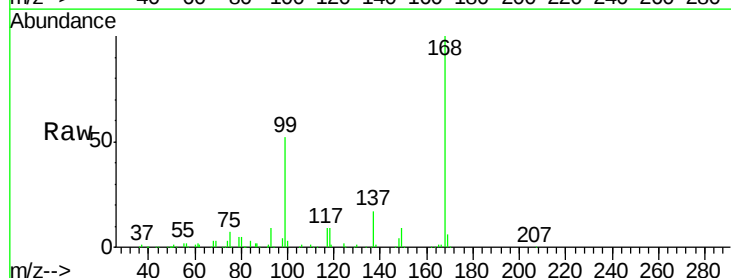
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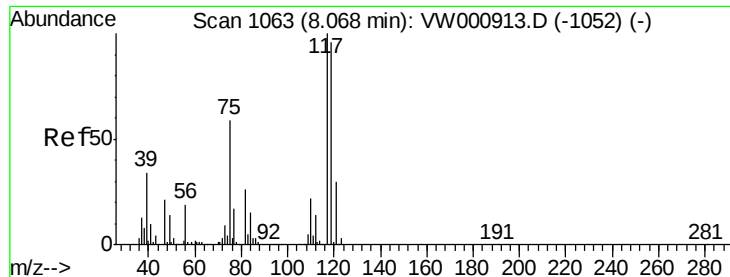
Tgt Ion:113 Resp: 106851
 Ion Ratio Lower Upper
 113 100
 111 101.1 80.4 120.6
 192 21.1 17.0 25.4



#36
 1,1-Dichloropropene
 Concen: 5.01 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.13 min
 Lab File: VW000983.D
 Acq: 25 Jan 2018 06:34

Tgt Ion: 75 Resp: 13265
 Ion Ratio Lower Upper
 75 100
 110 9.4 18.6 56.0#
 77 0.0 24.6 36.8#





#38

Carbon Tetrachloride

Concen: 6.00 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.12 min

Lab File: VW000983.D

Acq: 25 Jan 2018 06:34

Instrument :

MSVOA_W

ClientSampleId :

SB-54-13.5-14.0

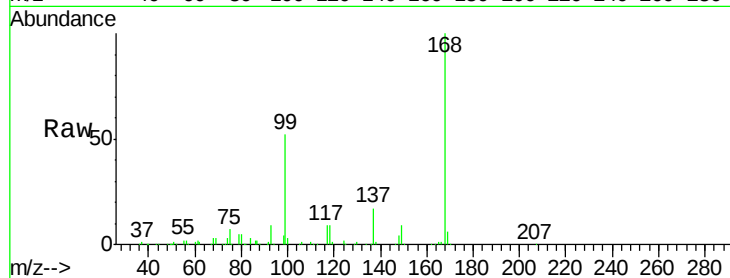
Tgt Ion:117 Resp: 17526

Ion Ratio Lower Upper

117 100

119 6.6 76.5 114.7#

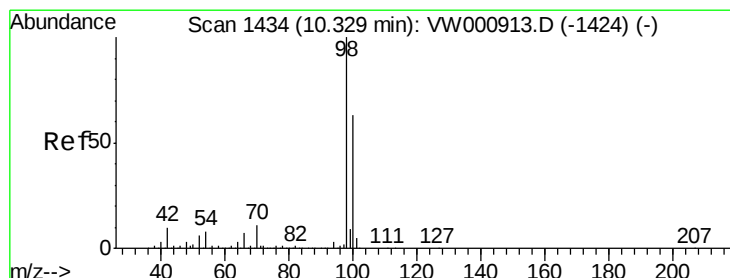
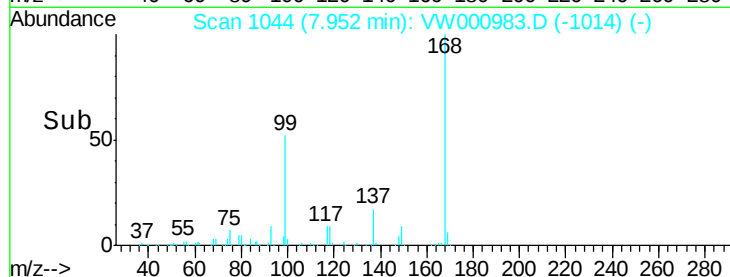
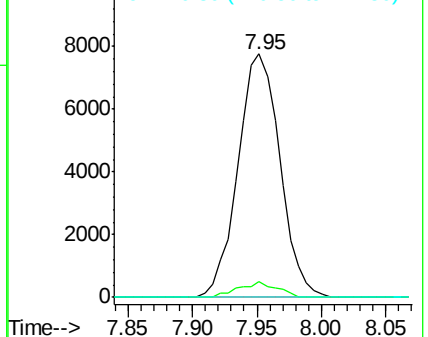
121 0.0 24.3 36.5#



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: 50.78 ug/l

RT: 10.34 min Scan# 1435

Delta R.T. 0.01 min

Lab File: VW000983.D

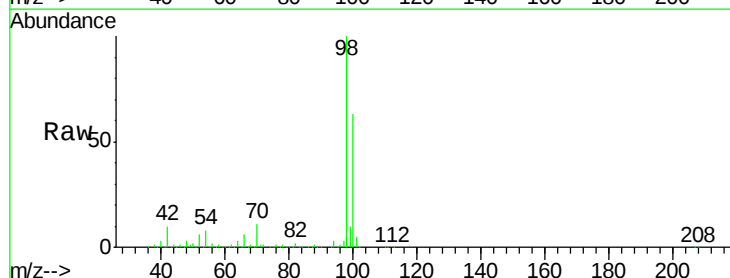
Acq: 25 Jan 2018 06:34

Tgt Ion: 98 Resp: 340200

Ion Ratio Lower Upper

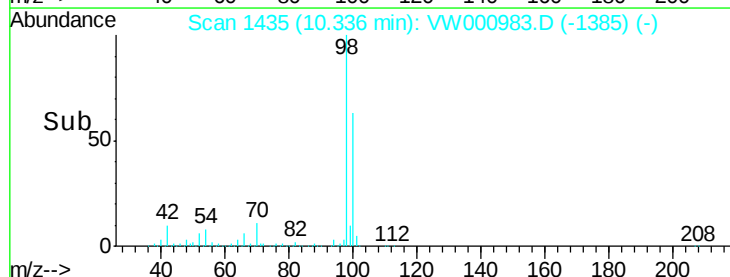
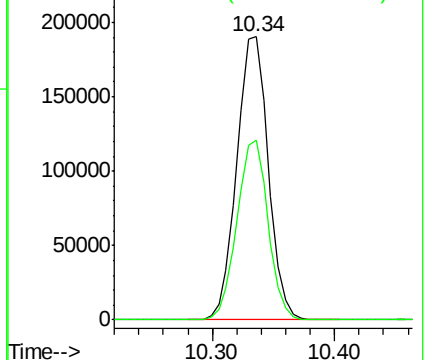
98 100

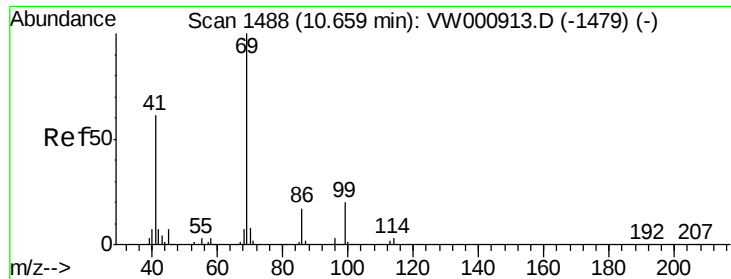
100 62.5 50.8 76.2



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#56

Ethyl methacrylate

Concen: 3.27 ug/l

RT: 10.84 min Scan# 1518

Delta R.T. 0.18 min

Lab File: VW000983.D

Acq: 25 Jan 2018 06:34

Instrument :

MSVOA_W

ClientSampleId :

SB-54-13.5-14.0

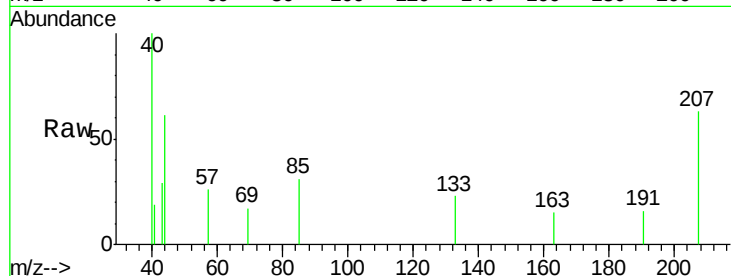
Tgt Ion: 69 Resp: 44

Ion Ratio Lower Upper

69 100

41 463.6 50.3 75.5#

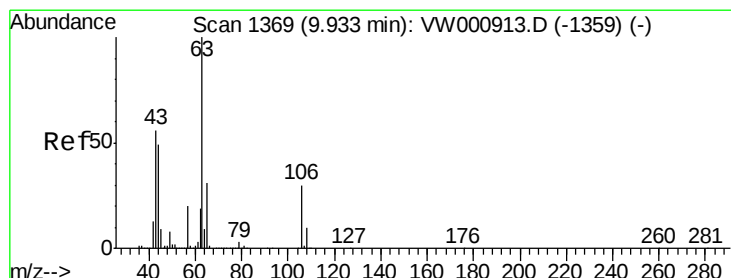
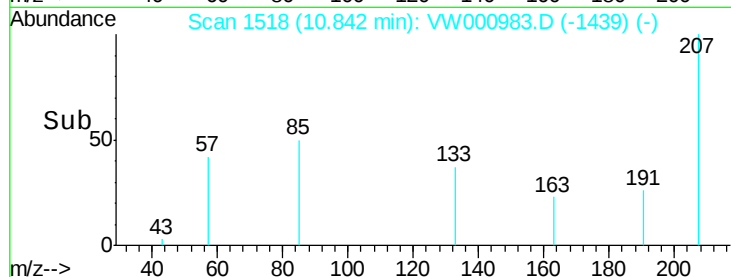
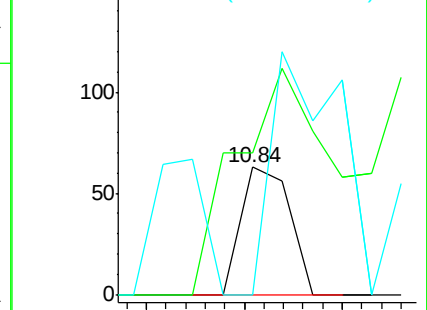
39 304.5 28.6 42.8#



Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW



#58

2-Chloroethyl Vinyl ether

Concen: 25.87 ug/l

RT: 9.77 min Scan# 1342

Delta R.T. -0.16 min

Lab File: VW000983.D

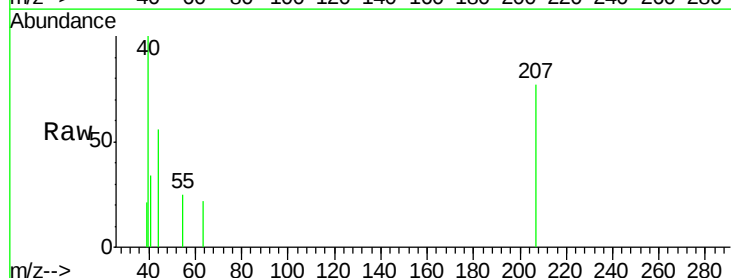
Acq: 25 Jan 2018 06:34

Tgt Ion: 63 Resp: 20

Ion Ratio Lower Upper

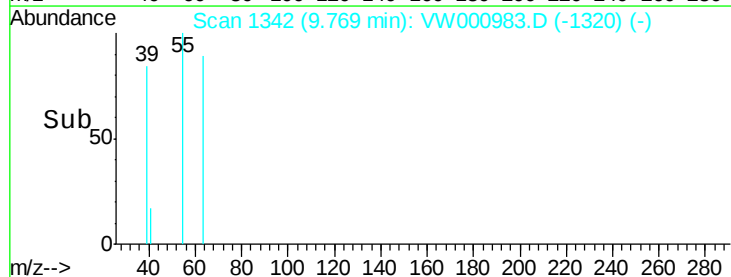
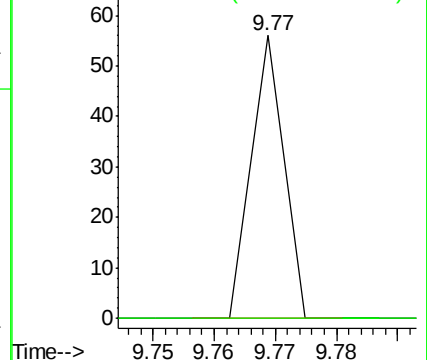
63 100

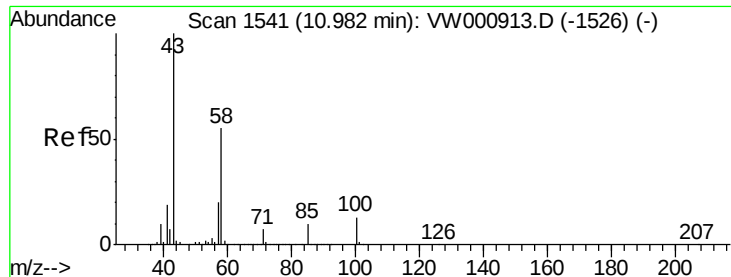
106 0.0 23.8 35.8#



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 105.90 (105.60 to 106.60): V





#59

2-Hexanone

Concen: 14.85 ug/l

RT: 10.98 min Scan# 1540

Delta R.T. -0.01 min

Lab File: VW000983.D

Acq: 25 Jan 2018 06:34

Instrument :

MSVOA_W

ClientSampleId :

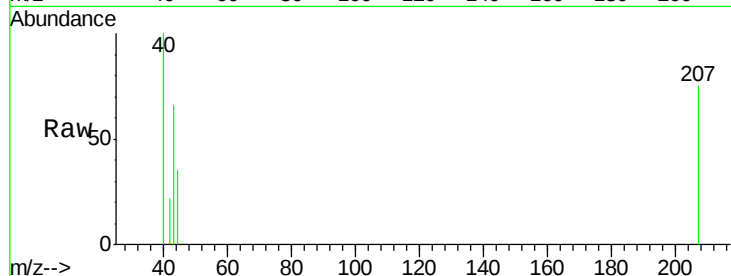
SB-54-13.5-14.0

Tgt Ion: 43 Resp: 238

Ion Ratio Lower Upper

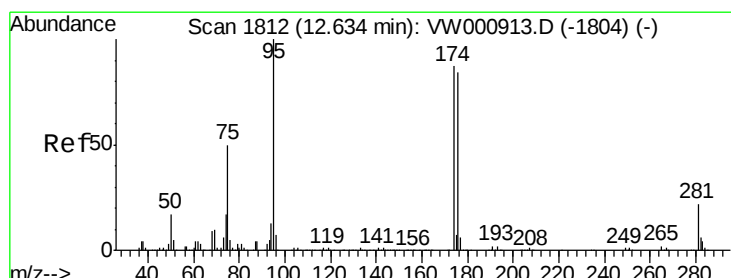
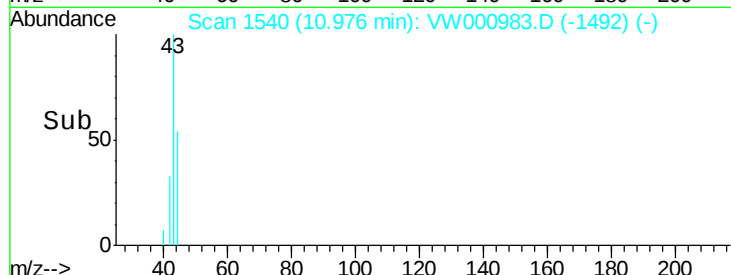
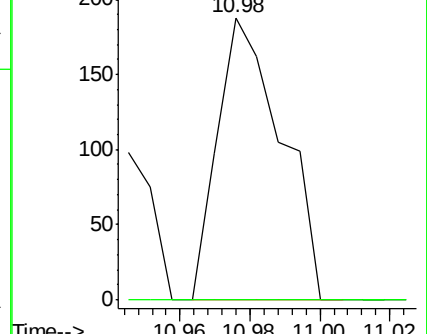
43 100

58 0.0 27.4 82.2#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#62

4-Bromofluorobenzene

Concen: 41.26 ug/l

RT: 12.63 min Scan# 1812

Delta R.T. 0.00 min

Lab File: VW000983.D

Acq: 25 Jan 2018 06:34

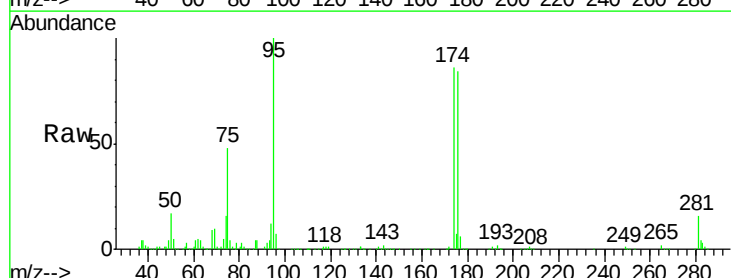
Tgt Ion: 95 Resp: 100680

Ion Ratio Lower Upper

95 100

174 88.4 0.0 176.8

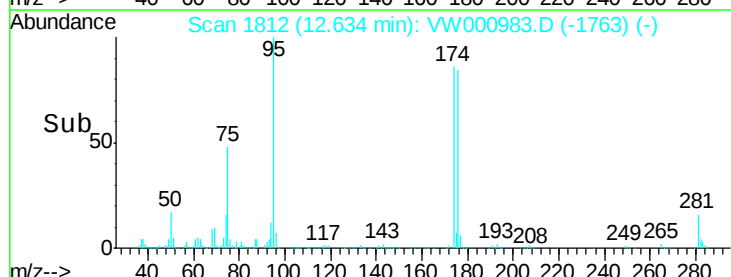
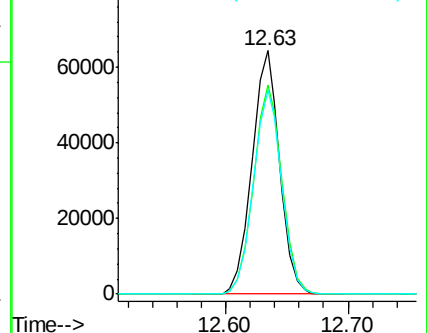
176 86.0 0.0 171.8

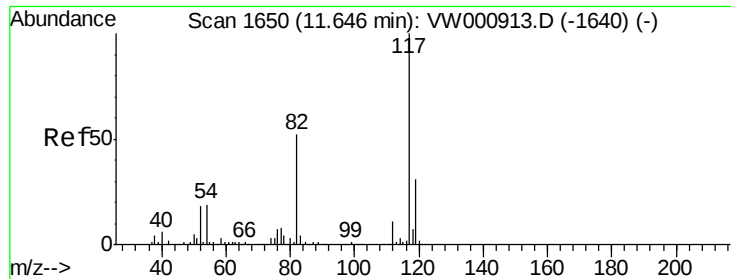


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

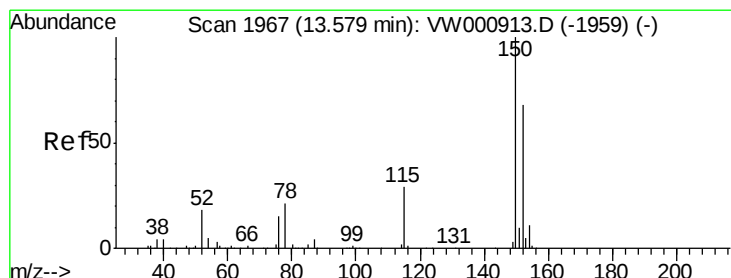
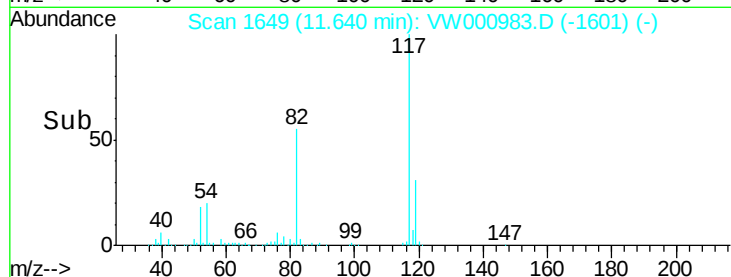
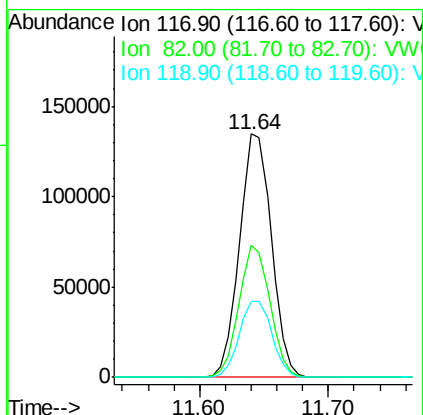
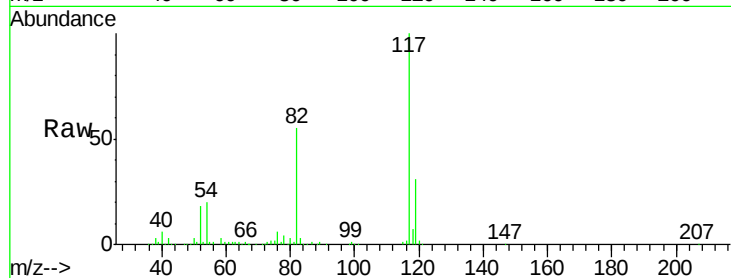




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.64 min Scan# 1649
Delta R.T. -0.01 min
Lab File: VW000983.D
Acq: 25 Jan 2018 06:34

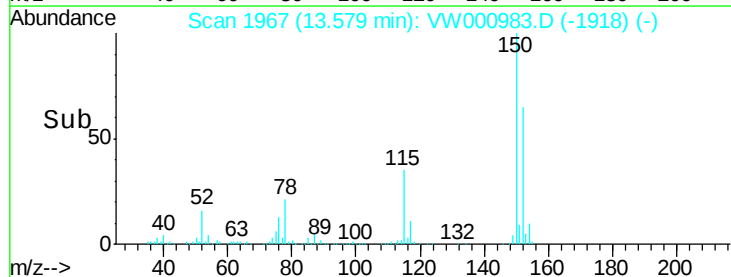
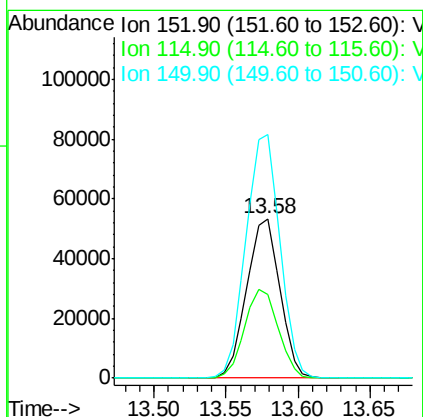
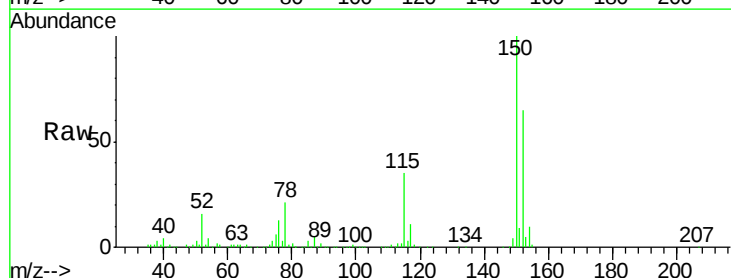
Instrument :
MSVOA_W
ClientSampleId :
SB-54-13.5-14.0

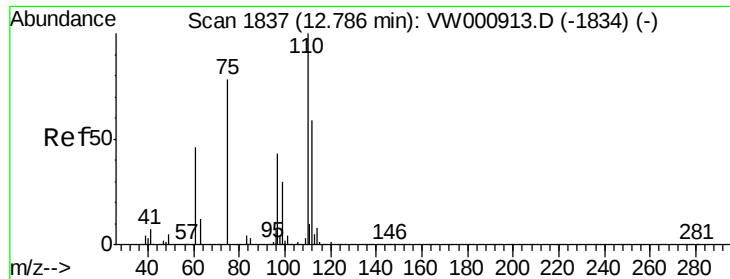
Tgt Ion:117 Resp: 231190
Ion Ratio Lower Upper
117 100
82 54.5 41.8 62.6
119 31.2 25.2 37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.58 min Scan# 1967
Delta R.T. 0.00 min
Lab File: VW000983.D
Acq: 25 Jan 2018 06:34

Tgt Ion:152 Resp: 85119
Ion Ratio Lower Upper
152 100
115 57.0 28.5 85.5
150 156.5 0.0 342.0

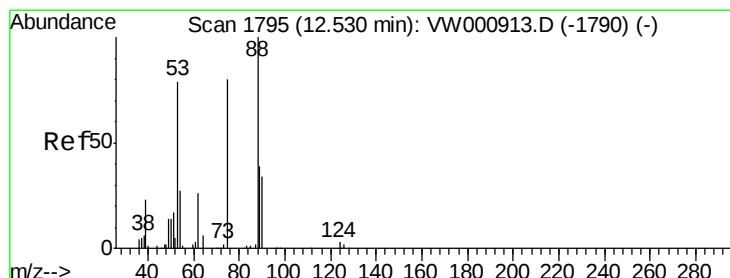
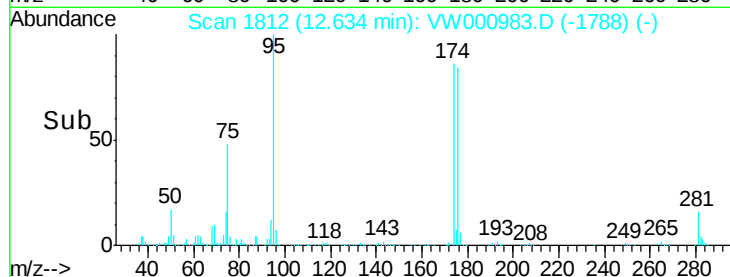
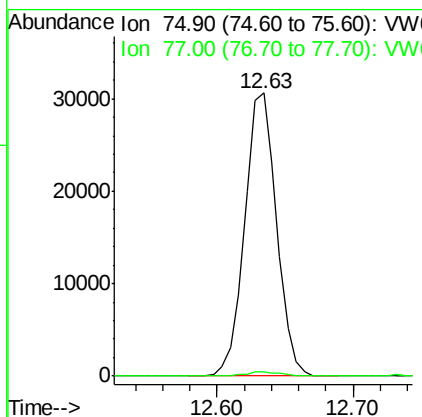
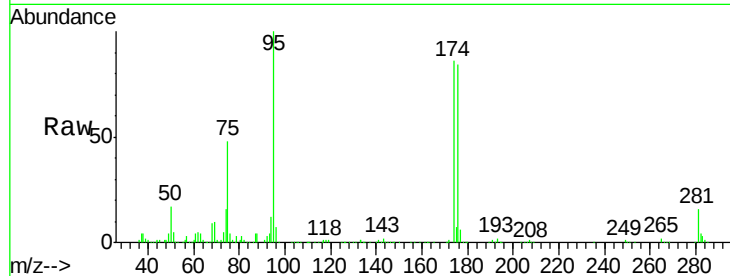




#76
 1,2,3-Trichloropropane
 Concen: 50.95 ug/l
 RT: 12.63 min Scan# 1812
 Delta R.T. -0.15 min
 Lab File: VW000983.D
 Acq: 25 Jan 2018 06:34

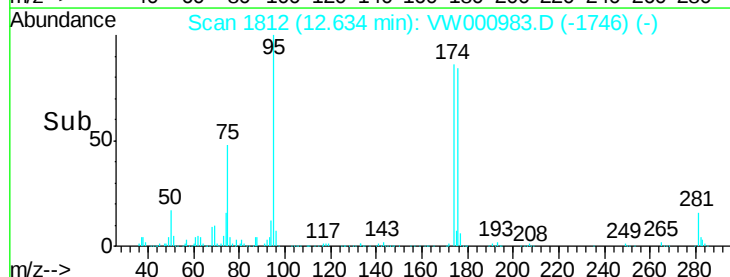
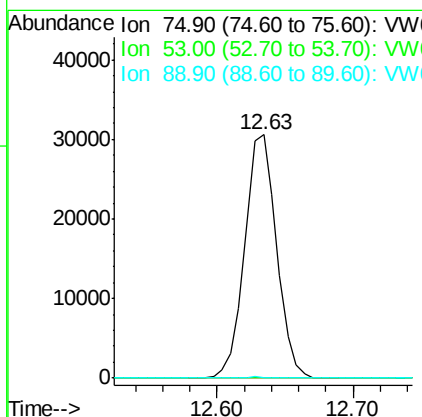
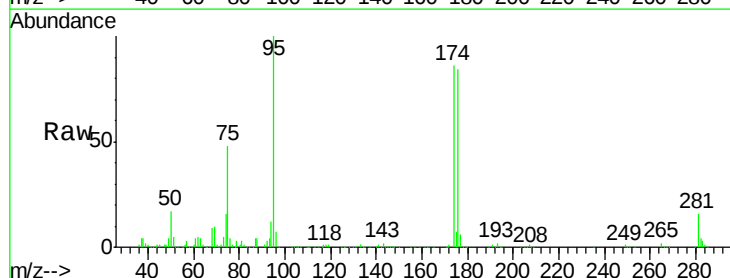
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-54-13.5-14.0

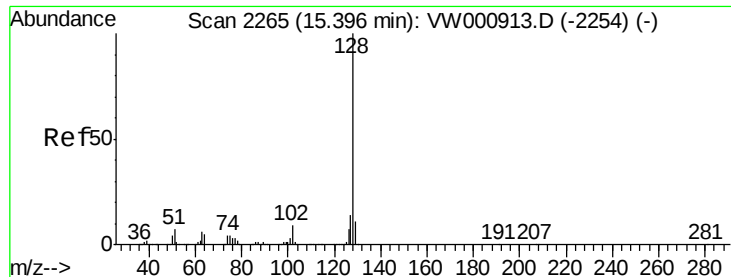
Tgt Ion: 75 Resp: 50184
 Ion Ratio Lower Upper
 75 100
 77 1.6 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 120.76 ug/l
 RT: 12.63 min Scan# 1812
 Delta R.T. 0.10 min
 Lab File: VW000983.D
 Acq: 25 Jan 2018 06:34

Tgt Ion: 75 Resp: 50184
 Ion Ratio Lower Upper
 75 100
 53 0.4 77.5 116.3#
 89 0.2 38.2 57.4#

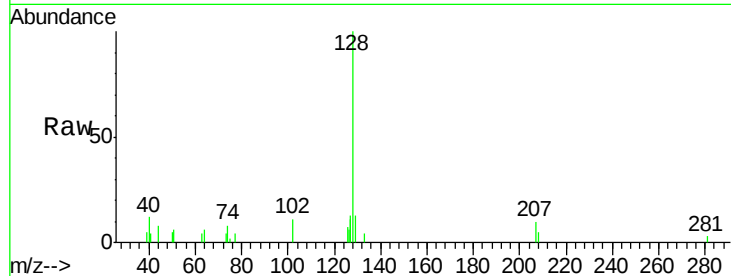




#95
Naphthalene
Concen: 1.10 ug/l
RT: 15.40 min Scan# 2265
Delta R.T. 0.00 min
Lab File: VW000983.D
Acq: 25 Jan 2018 06:34

Instrument :
MSVOA_W
ClientSampleId :
SB-54-13.5-14.0

Tgt Ion:128 Resp: 4318
Ion Ratio Lower Upper
128 100
127 16.8 10.6 15.8#
129 11.4 8.7 13.1



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

