

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW103118\
 Data File : VW006497.D
 Acq On : 30 Oct 2018 13:17
 Operator : SY/AP
 Sample : J5691-07
 Misc : 6.51G/5ML/MSVOA_W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-8

Quant Time: Oct 30 14:01:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 18 17:01:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	256245	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	365286	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	330340	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	177032	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	103028	48.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.00%	
35) Dibromofluoromethane	7.89	113	107989	50.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.06%	
50) Toluene-d8	10.33	98	415561	50.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.20%	
62) 4-Bromofluorobenzene	12.62	95	142878	46.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.64%	

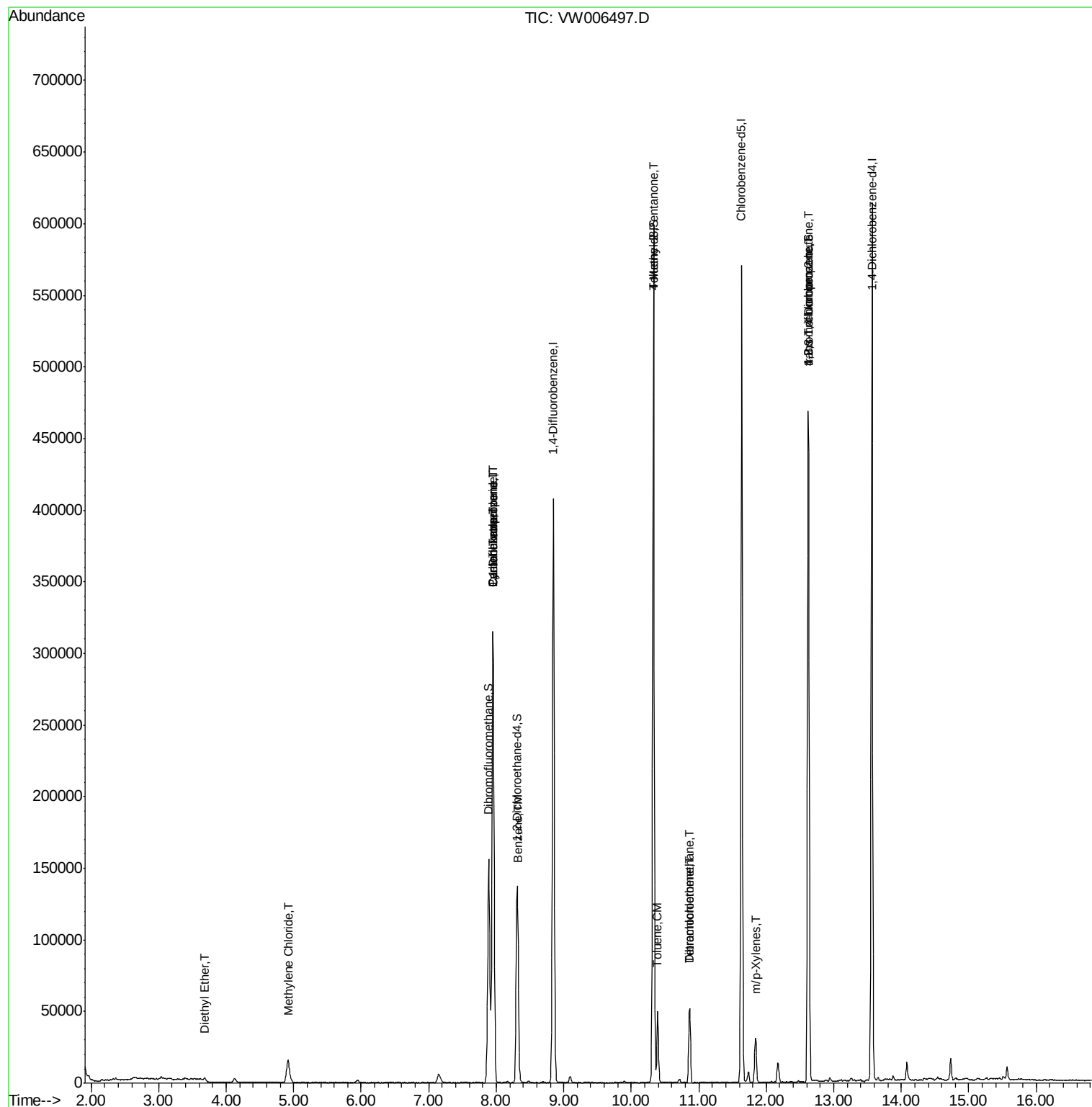
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	1621	1.40	ug/l	90
16) Acetone	4.12	43	5191	Below Cal		92
20) Methylene Chloride	4.92	84	13045	4.32	ug/l	93
31) Cyclohexane	7.95	56	4444	1.14	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	15825	4.70	ug/l #	49
38) Carbon Tetrachloride	7.95	117	22480	6.09	ug/l #	17
40) Benzene	8.32	78	14543	1.57	ug/l	98
51) 4-Methyl-2-Pentanone	10.32	43	1524	1.19	ug/l #	1
52) Toluene	10.39	92	20638	3.33	ug/l	98
60) Dibromochloromethane	10.87	129	10057	4.58	ug/l #	11
64) Tetrachloroethene	10.87	164	13038	5.08	ug/l	96
68) m/p-Xylenes	11.84	106	10177	2.10	ug/l	98
76) 1,2,3-Trichloropropane	12.62	75	70929	52.46	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	70929	125.39	ug/l #	10

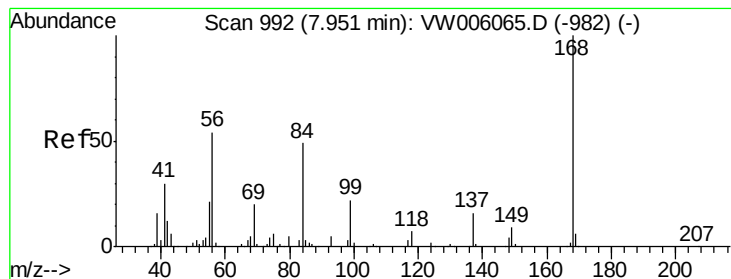
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW006497.D

Acq: 30 Oct 2018 13:17

Instrument :

MSVOA_W

ClientSampleId :

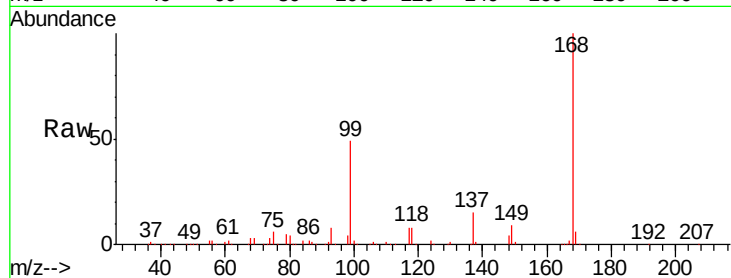
SB-8

Tgt Ion:168 Resp: 256245

Ion Ratio Lower Upper

168 100

99 48.8 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

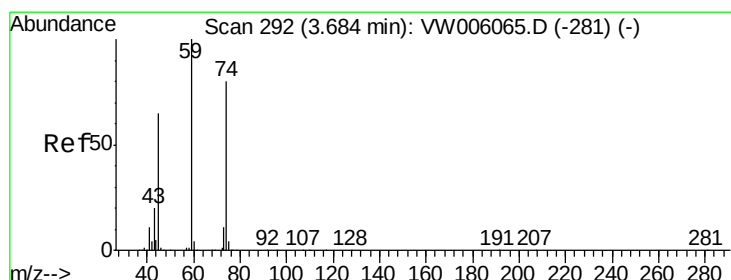
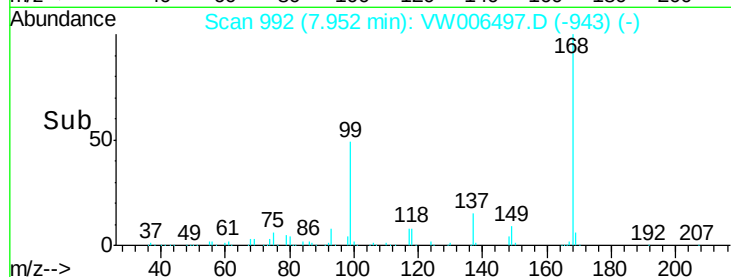
7.95

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 1.40 ug/l

RT: 3.68 min Scan# 292

Delta R.T. 0.00 min

Lab File: VW006497.D

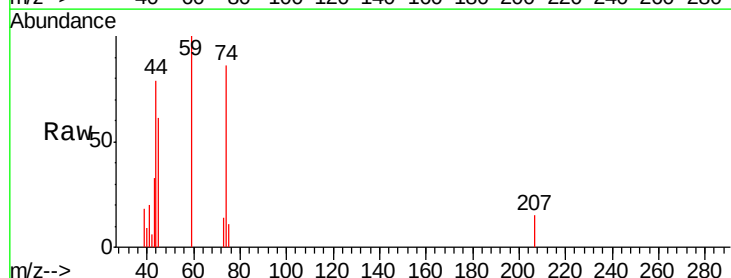
Acq: 30 Oct 2018 13:17

Tgt Ion: 74 Resp: 1621

Ion Ratio Lower Upper

74 100

45 95.1 42.8 128.3



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.68

800

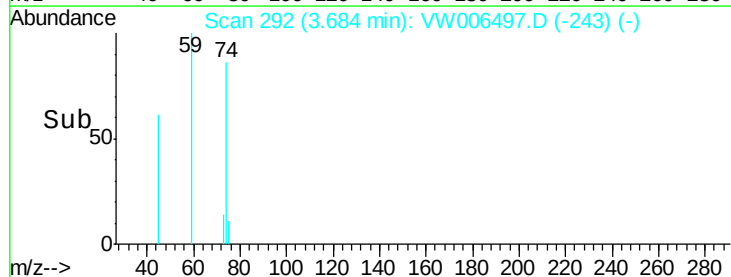
600

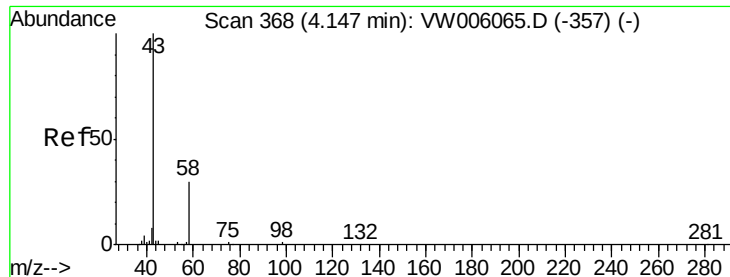
400

200

0

Time-->





#16

Acetone

Concen: Below Cal

RT: 4.12 min Scan# 364

Delta R.T. -0.02 min

Lab File: VW006497.D

Acq: 30 Oct 2018 13:17

Instrument :

MSVOA_W

ClientSampled :

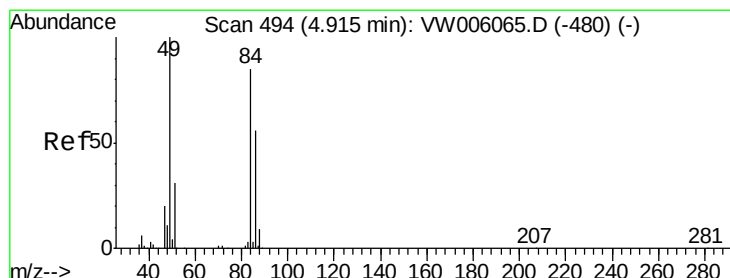
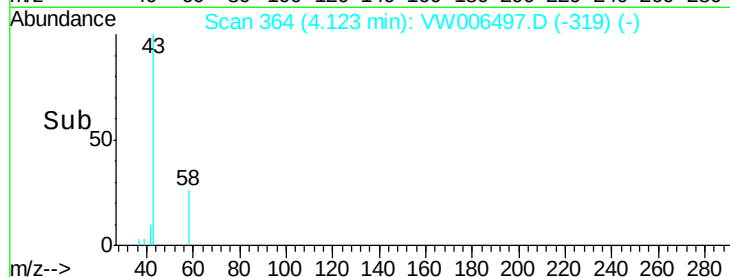
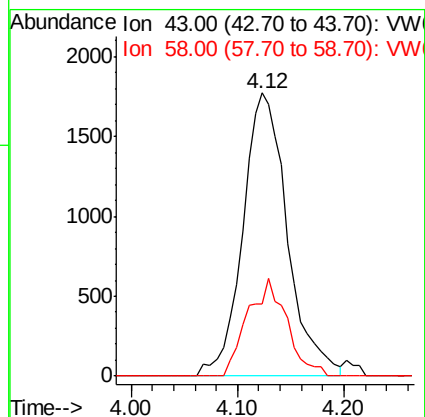
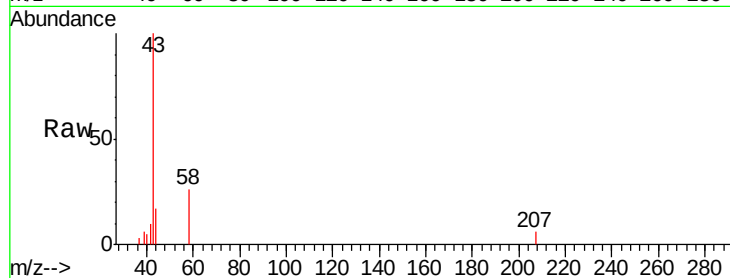
SB-8

Tgt Ion: 43 Resp: 5191

Ion Ratio Lower Upper

43 100

58 25.6 24.0 36.0



#20

Methylene Chloride

Concen: 4.32 ug/l

RT: 4.92 min Scan# 495

Delta R.T. 0.01 min

Lab File: VW006497.D

Acq: 30 Oct 2018 13:17

Tgt Ion: 84 Resp: 13045

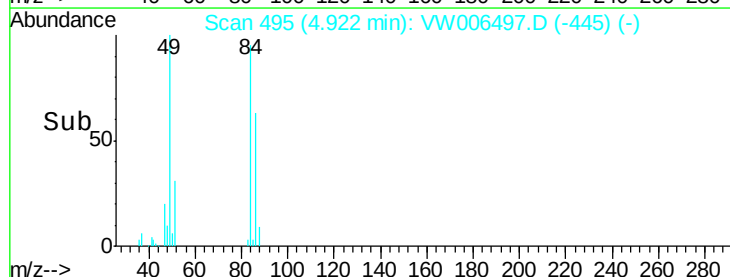
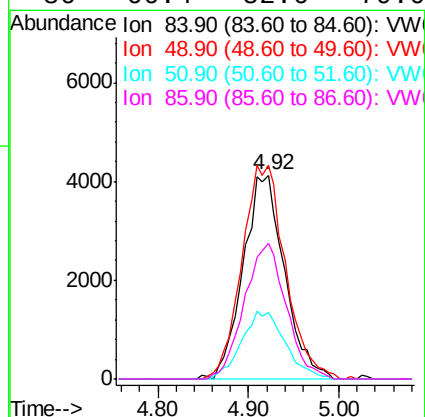
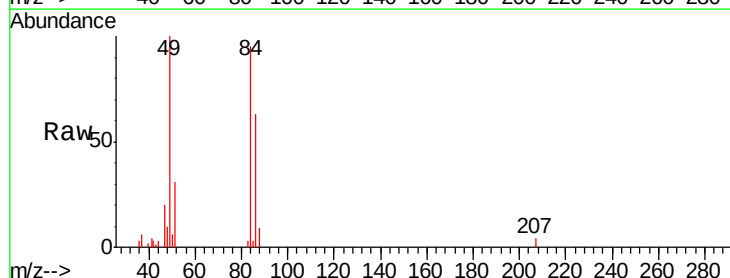
Ion Ratio Lower Upper

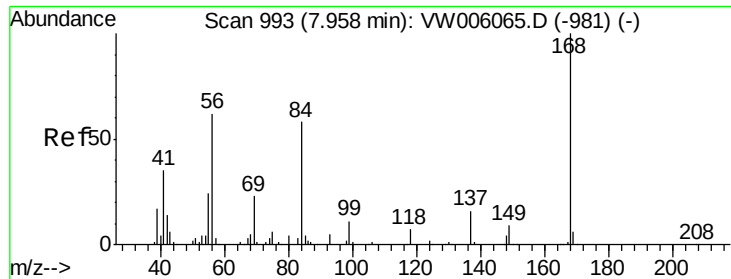
84 100

49 105.0 93.6 140.4

51 33.0 29.0 43.4

86 66.4 52.6 79.0

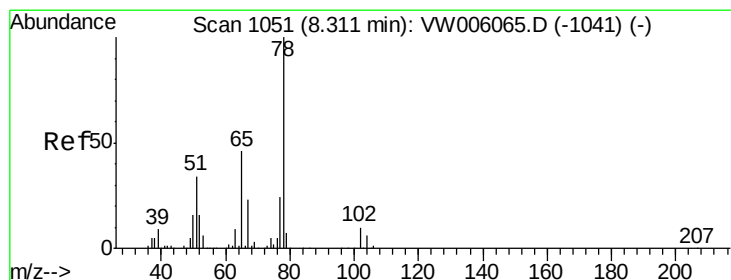
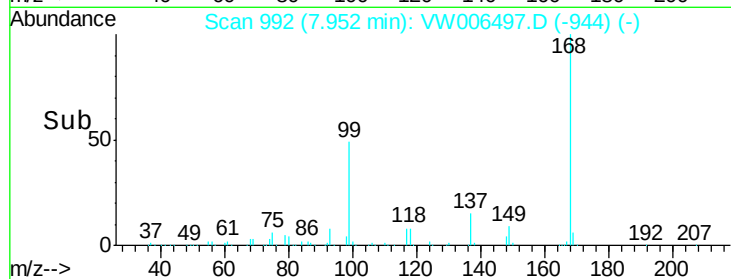
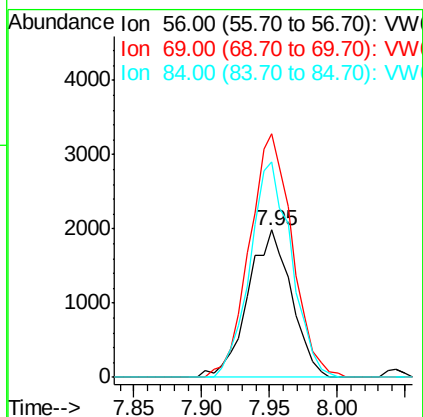
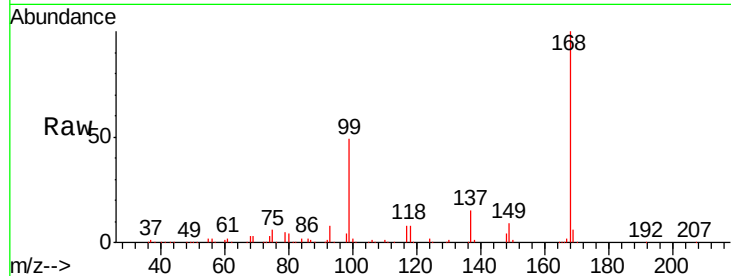




#31
Cyclohexane
Concen: 1.14 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW006497.D
Acq: 30 Oct 2018 13:17

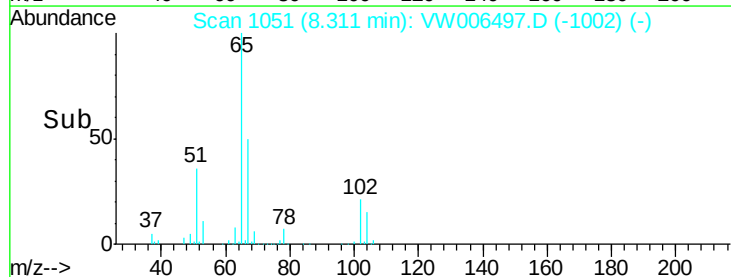
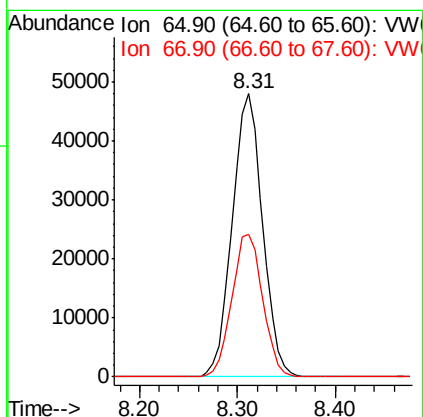
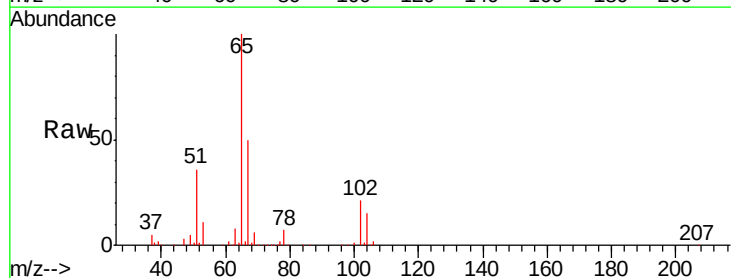
Instrument :
MSVOA_W
ClientSampled :
SB-8

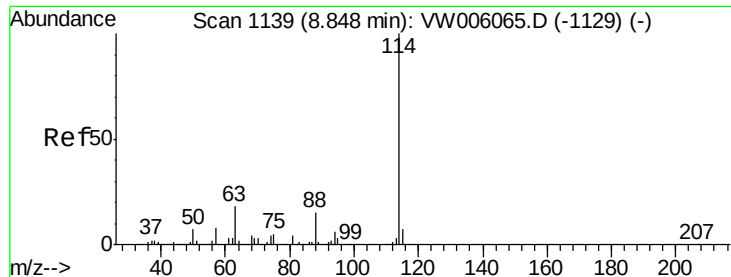
Tgt Ion: 56 Resp: 4444
Ion Ratio Lower Upper
56 100
69 165.4 29.4 44.0#
84 146.8 74.0 111.0#



#33
1,2-Dichloroethane-d4
Concen: 48.50 ug/l
RT: 8.31 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VW006497.D
Acq: 30 Oct 2018 13:17

Tgt Ion: 65 Resp: 103028
Ion Ratio Lower Upper
65 100
67 51.5 0.0 101.0

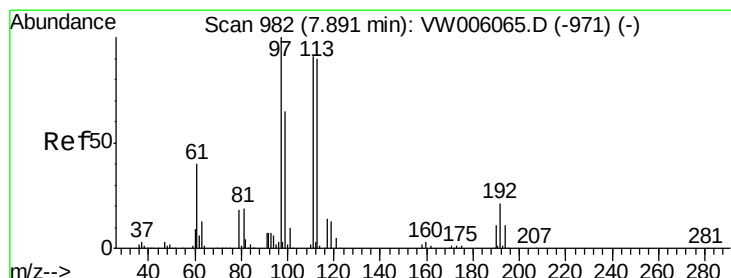
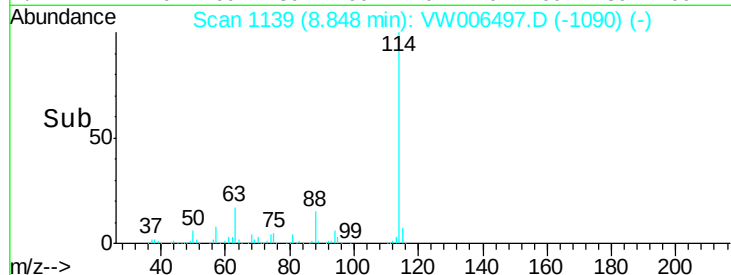
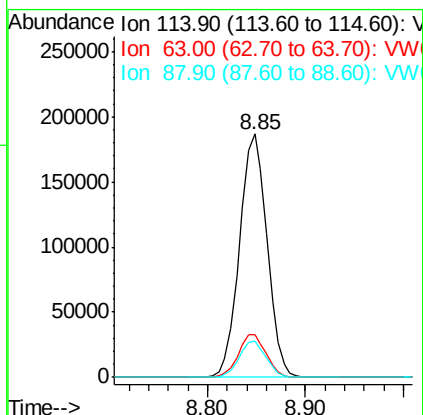
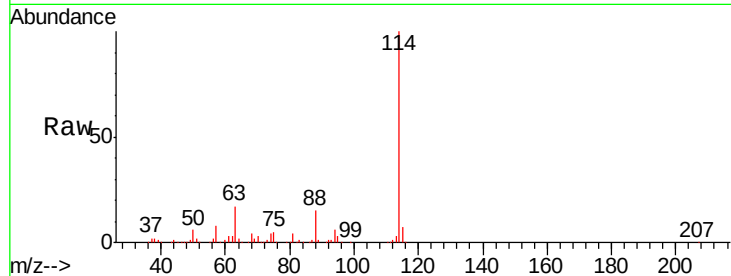




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.00 min
 Lab File: VW006497.D
 Acq: 30 Oct 2018 13:17

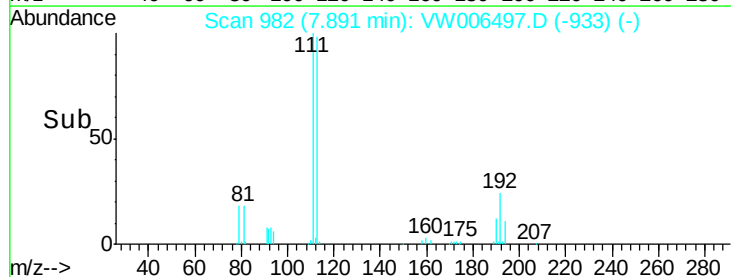
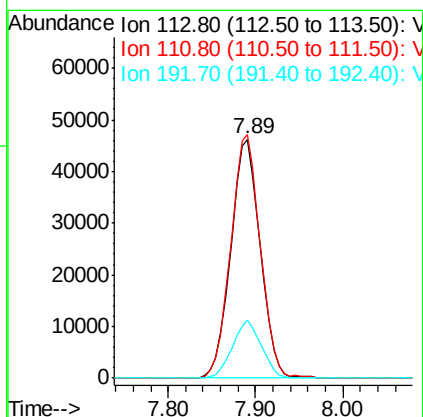
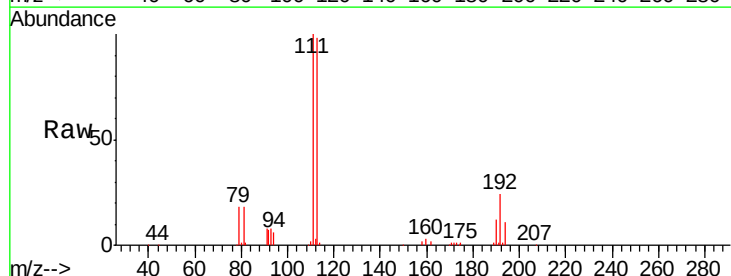
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-8

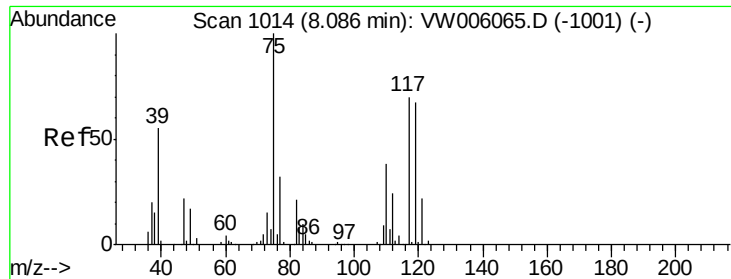
Tgt Ion	Ratio	Lower	Upper
114	100		
63	17.4	0.0	36.8
88	14.8	0.0	29.0



#35
 Dibromofluoromethane
 Concen: 50.03 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. 0.00 min
 Lab File: VW006497.D
 Acq: 30 Oct 2018 13:17

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.4	81.4	122.0
192	23.8	18.7	28.1

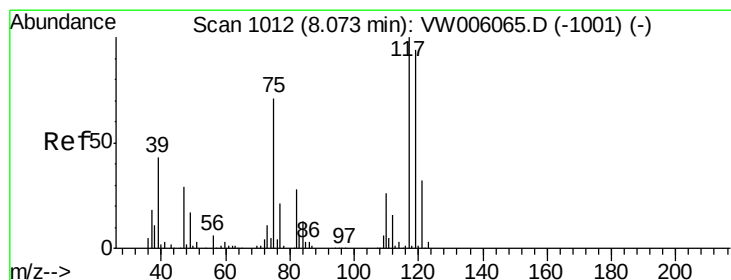
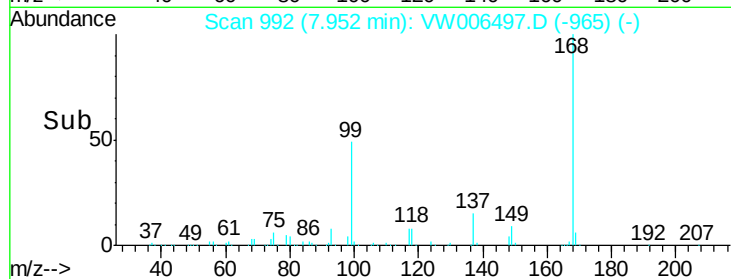
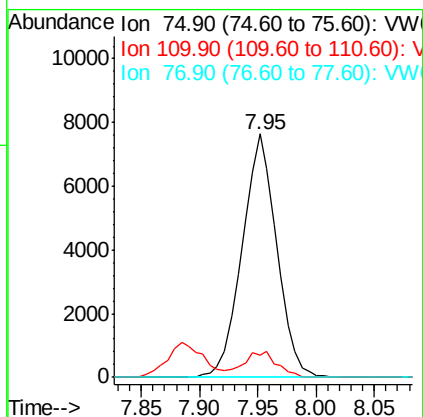
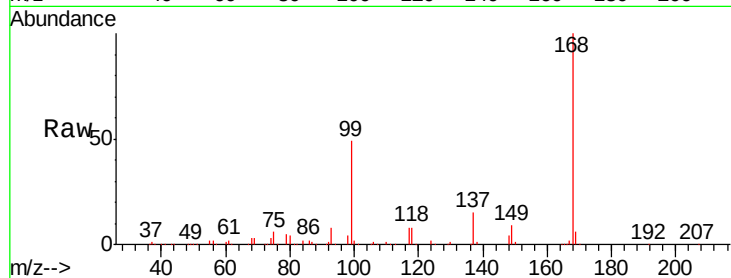




#36
 1,1-Dichloropropene
 Concen: 4.70 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW006497.D
 Acq: 30 Oct 2018 13:17

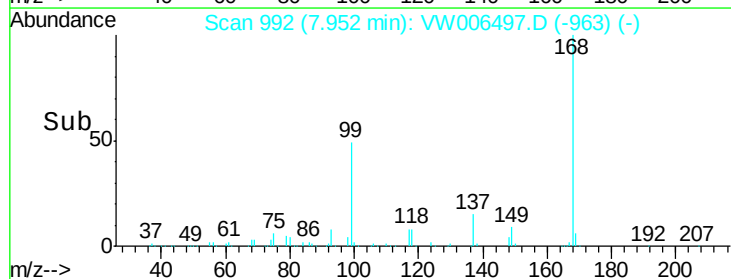
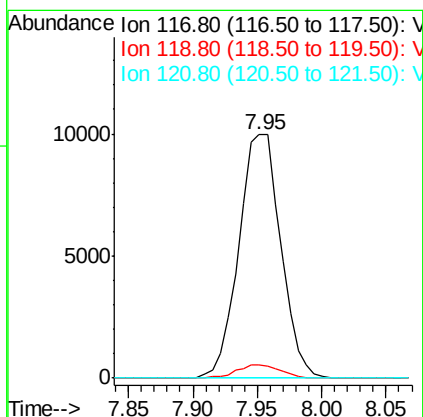
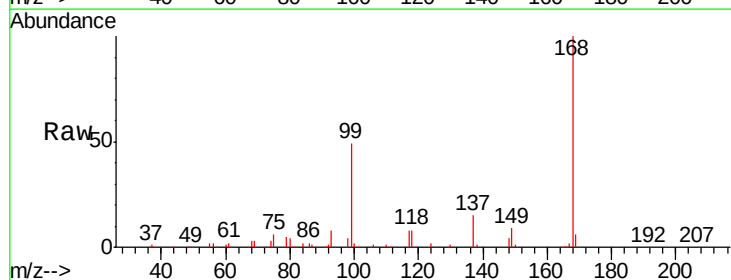
Instrument :
 MSVOA_W
 ClientSampled :
 SB-8

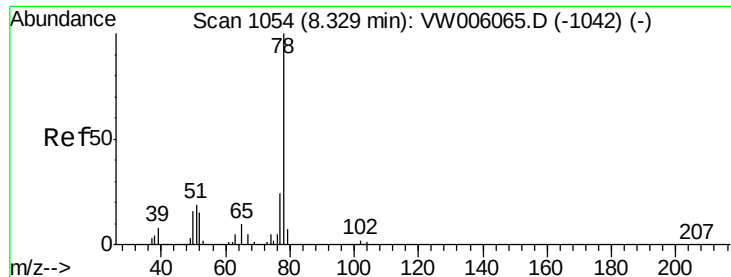
Tgt Ion: 75 Resp: 15825
 Ion Ratio Lower Upper
 75 100
 110 10.3 19.1 57.1#
 77 0.0 25.0 37.4#



#38
 Carbon Tetrachloride
 Concen: 6.09 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.12 min
 Lab File: VW006497.D
 Acq: 30 Oct 2018 13:17

Tgt Ion: 117 Resp: 22480
 Ion Ratio Lower Upper
 117 100
 119 5.5 75.2 112.8#
 121 0.0 25.3 37.9#





#40

Benzene

Concen: 1.57 ug/l

RT: 8.32 min Scan# 1053

Delta R.T. -0.01 min

Lab File: VW006497.D

Acq: 30 Oct 2018 13:17

Instrument :

MSVOA_W

ClientSampleId :

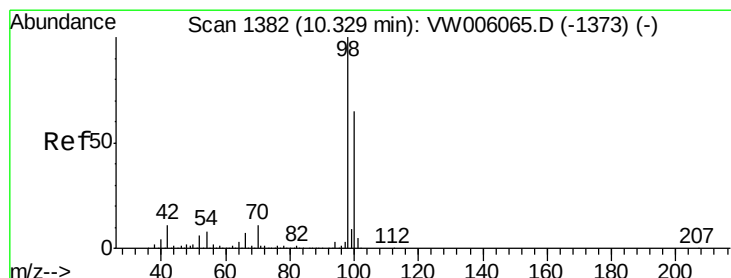
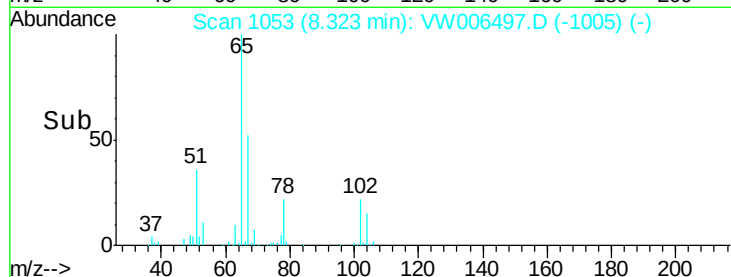
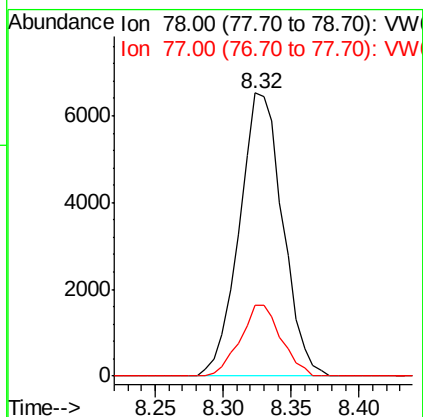
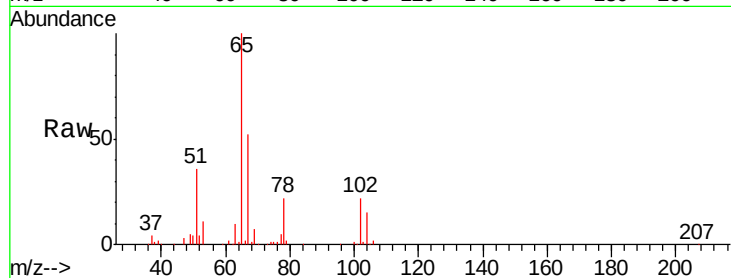
SB-8

Tgt Ion: 78 Resp: 14543

Ion Ratio Lower Upper

78 100

77 25.1 19.4 29.0



#50

Toluene-d8

Concen: 50.60 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VW006497.D

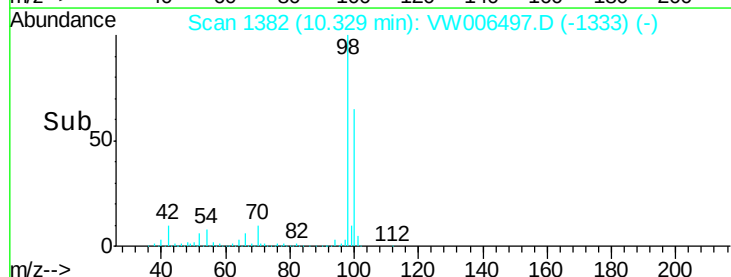
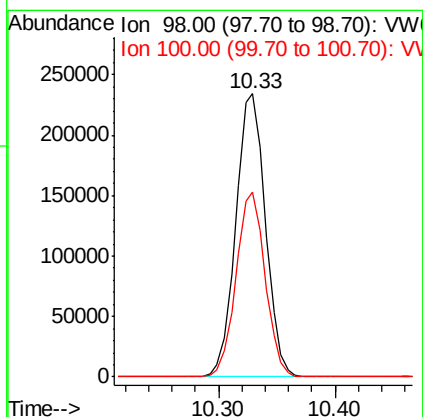
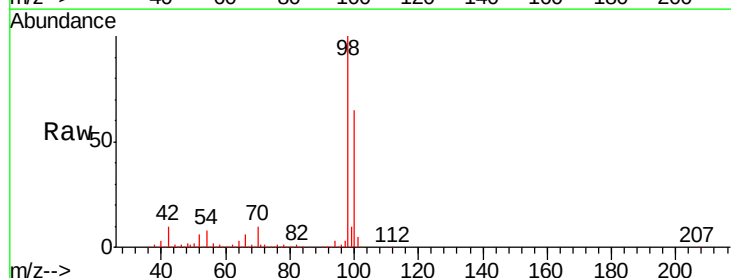
Acq: 30 Oct 2018 13:17

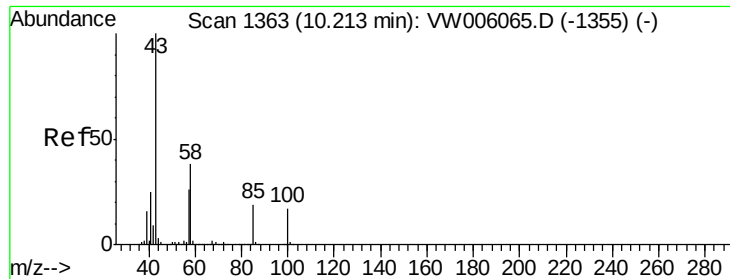
Tgt Ion: 98 Resp: 415561

Ion Ratio Lower Upper

98 100

100 63.9 51.6 77.4

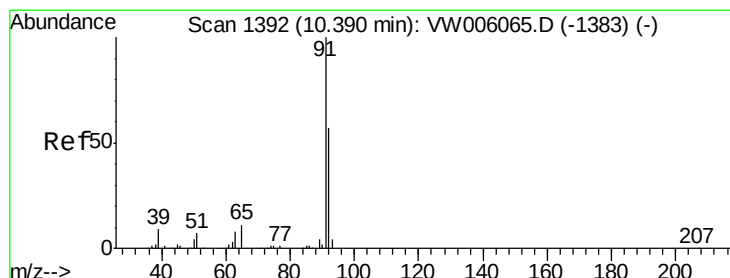
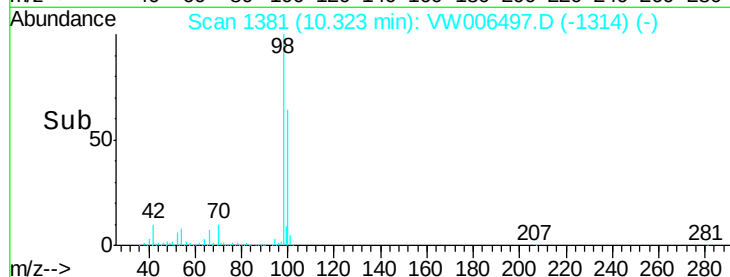
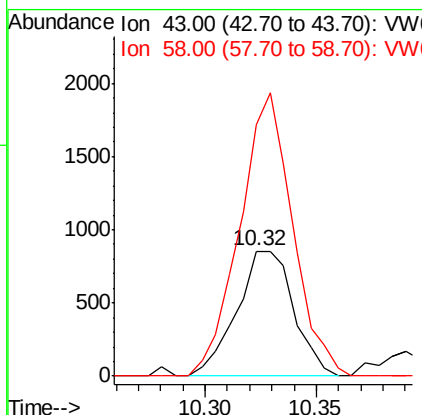
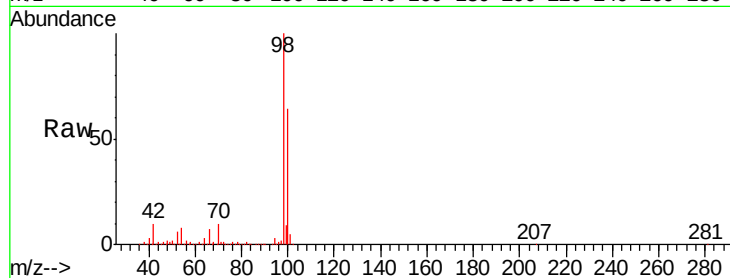




#51
 4-Methyl-2-Pentanone
 Concen: 1.19 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. 0.11 min
 Lab File: VW006497.D
 Acq: 30 Oct 2018 13:17

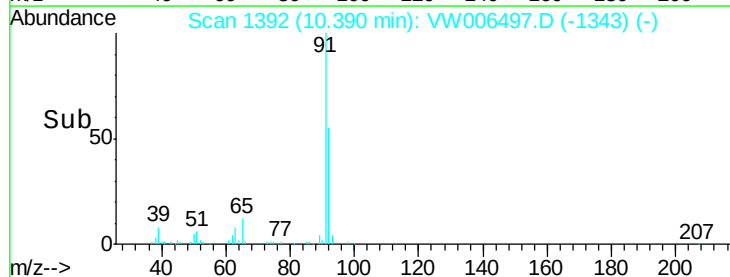
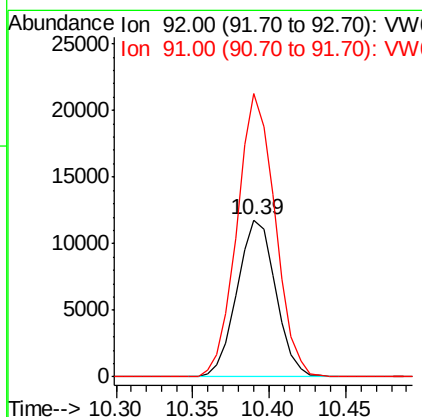
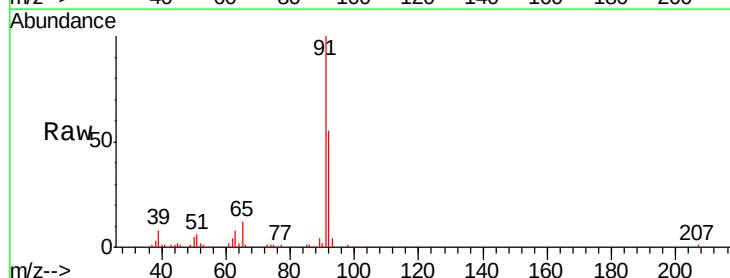
Instrument :
 MSVOA_W
 ClientSampled :
 SB-8

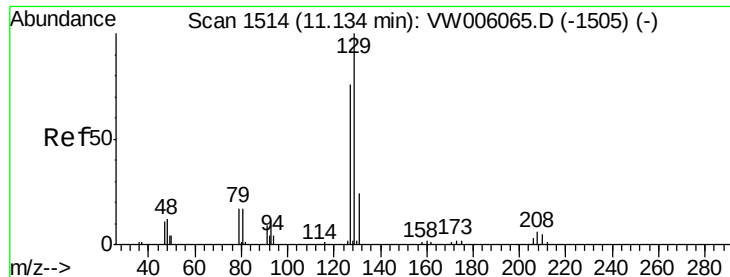
Tgt Ion: 43 Resp: 1524
 Ion Ratio Lower Upper
 43 100
 58 210.1 31.5 47.3#



#52
 Toluene
 Concen: 3.33 ug/l
 RT: 10.39 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: VW006497.D
 Acq: 30 Oct 2018 13:17

Tgt Ion: 92 Resp: 20638
 Ion Ratio Lower Upper
 92 100
 91 177.9 140.0 210.0





#60

Dibromochloromethane

Concen: 4.58 ug/l

RT: 10.87 min Scan# 1470

Delta R.T. -0.27 min

Lab File: VW006497.D

Acq: 30 Oct 2018 13:17

Instrument :

MSVOA_W

ClientSampleId :

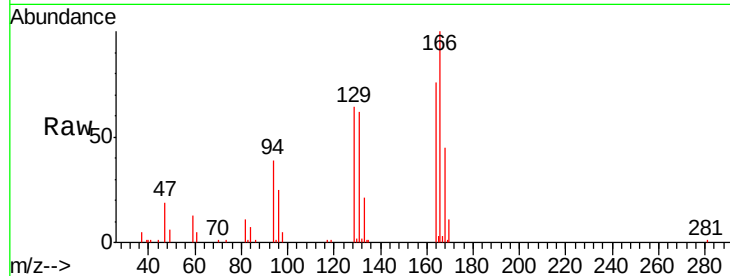
SB-8

Tgt Ion: 129 Resp: 10057

Ion Ratio Lower Upper

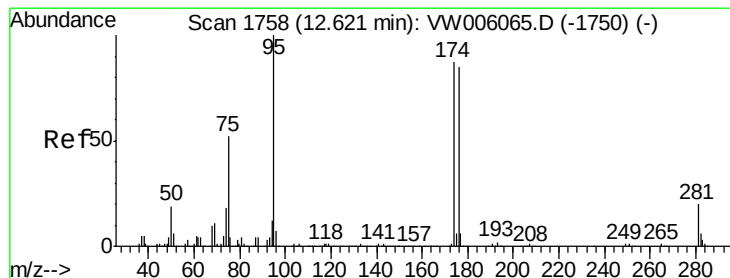
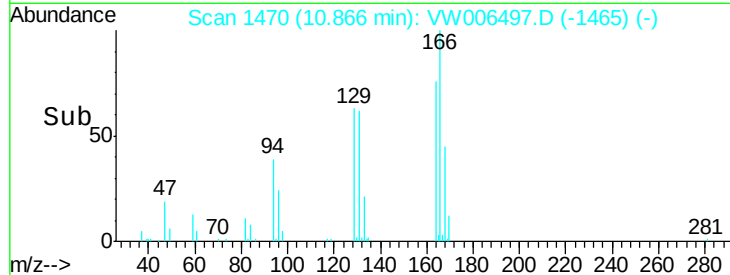
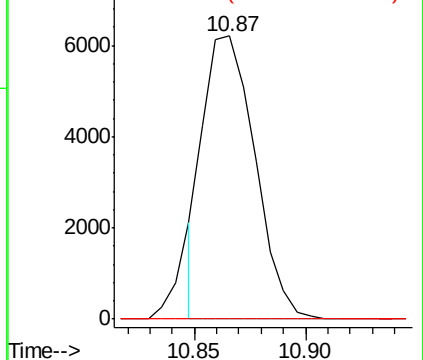
129 100

127 0.0 38.6 115.7#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: 46.32 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW006497.D

Acq: 30 Oct 2018 13:17

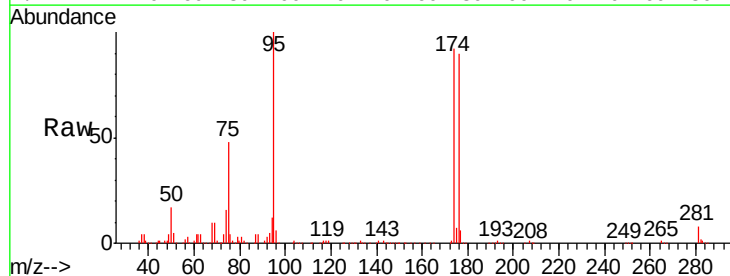
Tgt Ion: 95 Resp: 142878

Ion Ratio Lower Upper

95 100

174 98.0 0.0 186.0

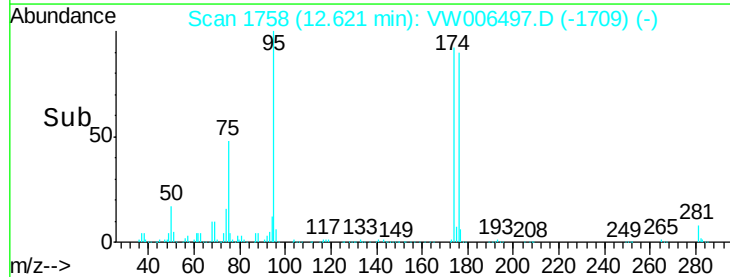
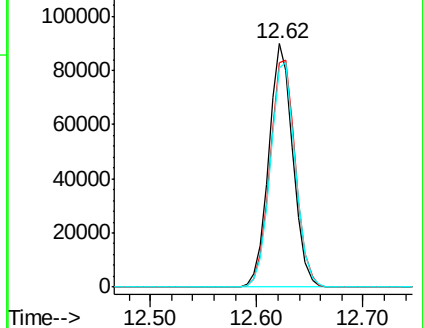
176 95.2 0.0 181.6

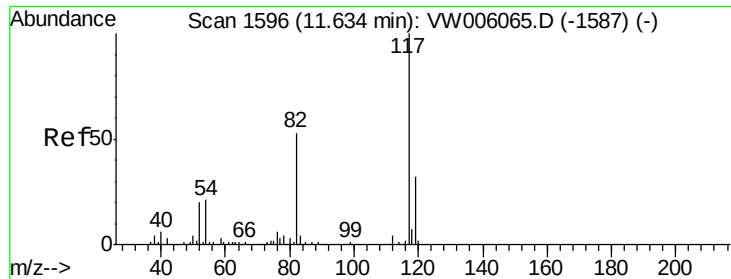


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

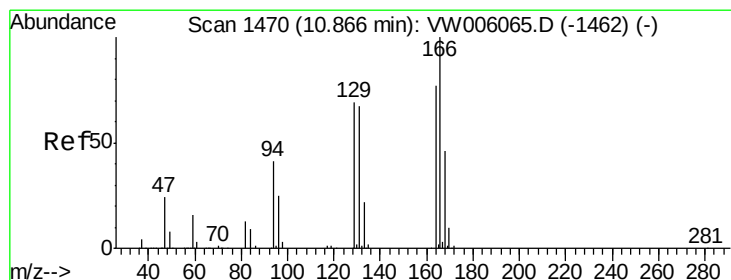
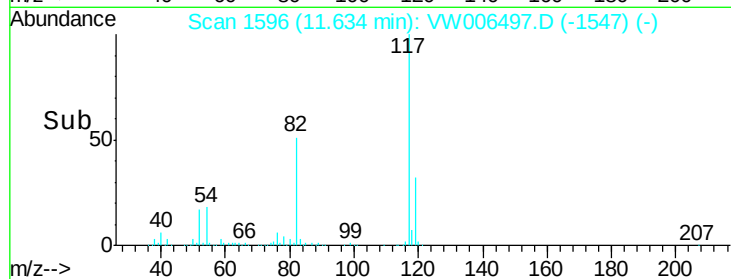
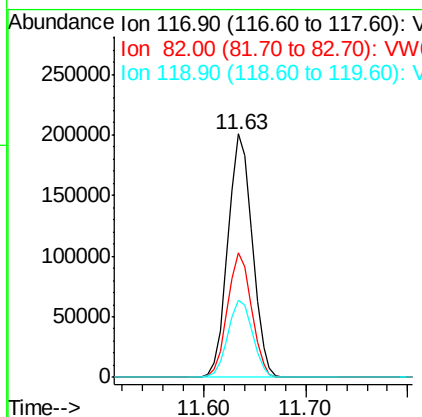
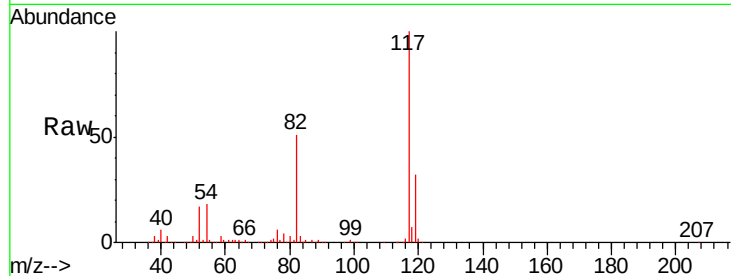




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW006497.D
Acq: 30 Oct 2018 13:17

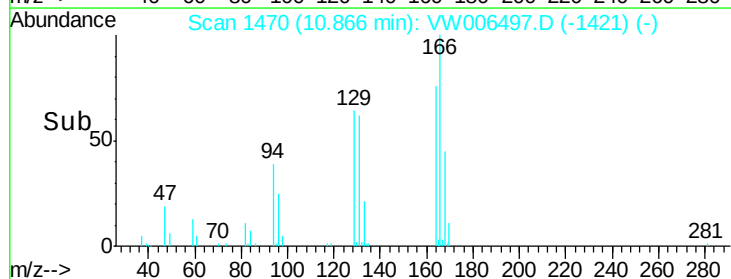
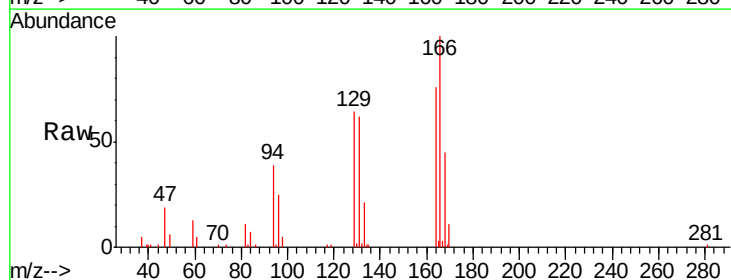
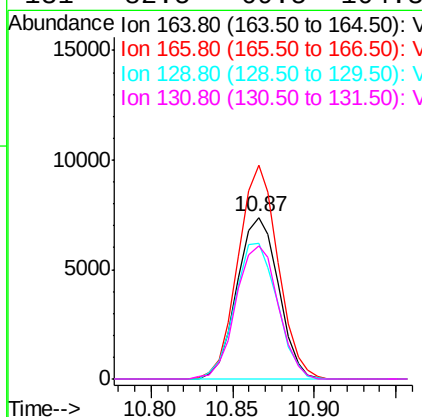
Instrument :
MSVOA_W
ClientSampled :
SB-8

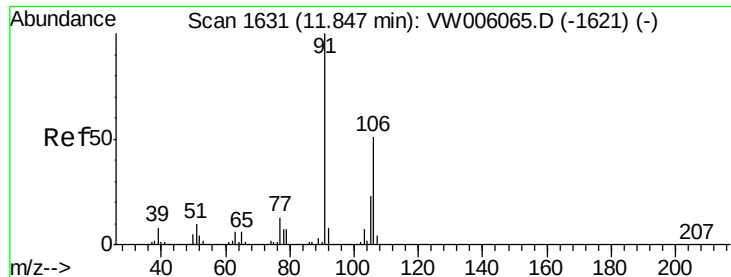
Tgt Ion	Ratio	Lower	Upper
117	100		
82	51.1	42.1	63.1
119	31.6	25.8	38.6



#64
Tetrachloroethene
Concen: 5.08 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW006497.D
Acq: 30 Oct 2018 13:17

Tgt Ion	Ratio	Lower	Upper
164	100		
166	132.2	103.4	155.0
129	84.1	71.8	107.8
131	82.5	69.5	104.3

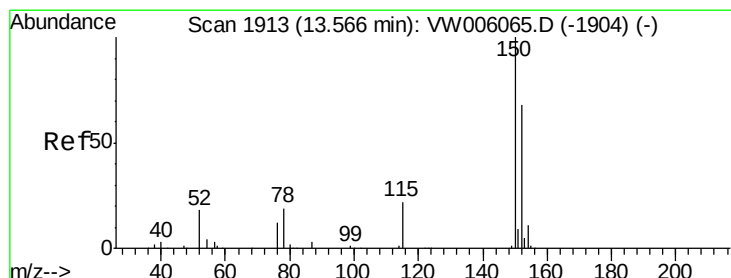
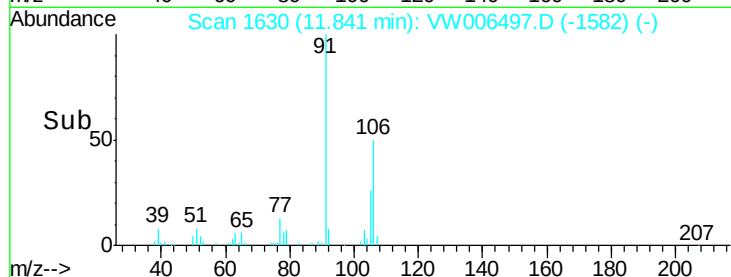
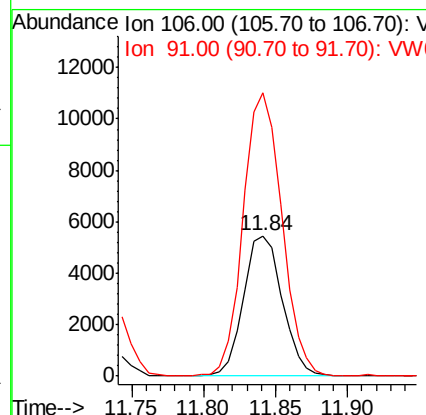
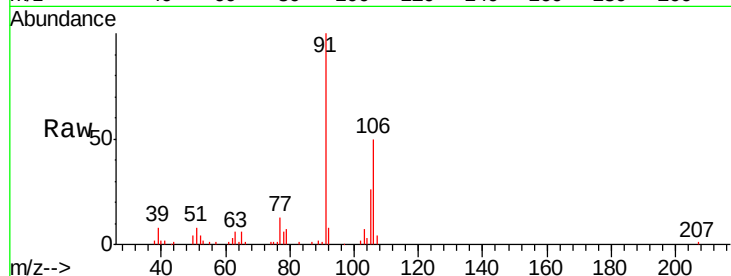




#68
m/p-Xylenes
Concen: 2.10 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.01 min
Lab File: VW006497.D
Acq: 30 Oct 2018 13:17

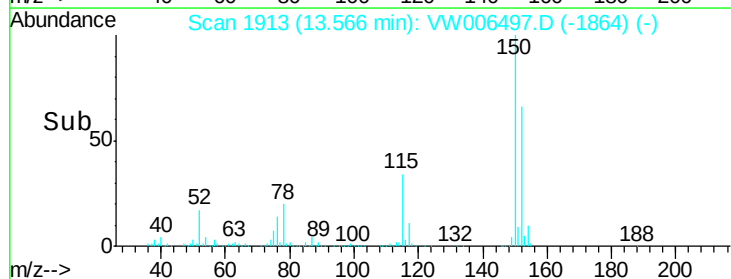
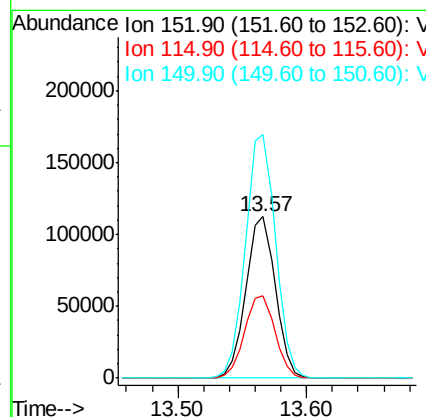
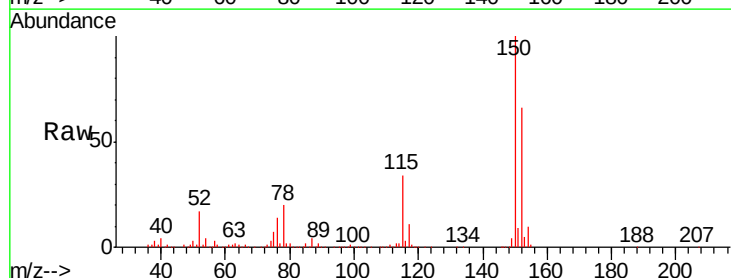
Instrument :
MSVOA_W
ClientSampled :
SB-8

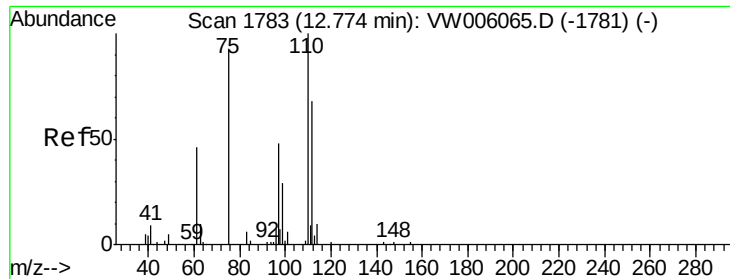
Tgt Ion:106 Resp: 10177
Ion Ratio Lower Upper
106 100
91 201.4 159.1 238.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. 0.00 min
Lab File: VW006497.D
Acq: 30 Oct 2018 13:17

Tgt Ion:152 Resp: 177032
Ion Ratio Lower Upper
152 100
115 53.1 27.8 83.3
150 154.7 0.0 349.2





#76

1,2,3-Trichloropropane

Concen: 52.46 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW006497.D

Acq: 30 Oct 2018 13:17

Instrument :

MSVOA_W

ClientSampleId :

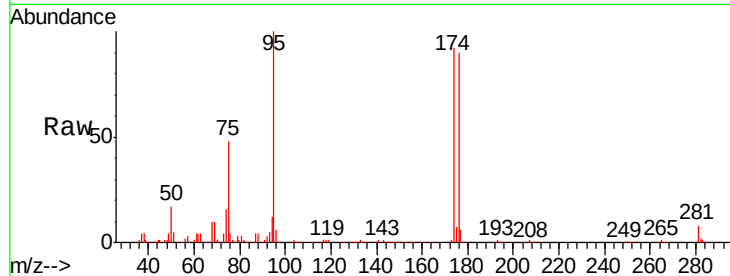
SB-8

Tgt Ion: 75 Resp: 70929

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

12.62

40000

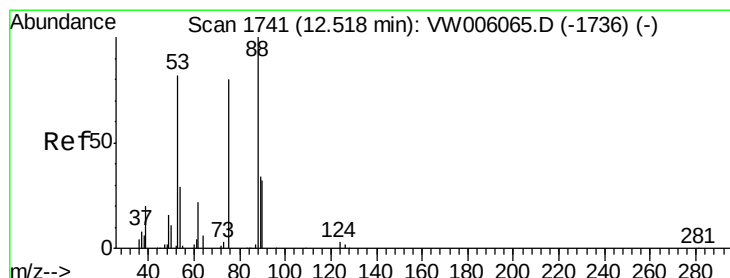
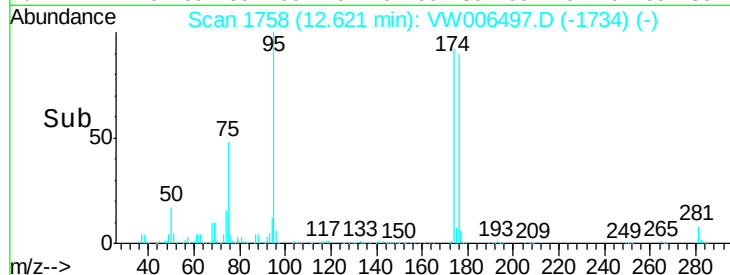
30000

20000

10000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 125.39 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW006497.D

Acq: 30 Oct 2018 13:17

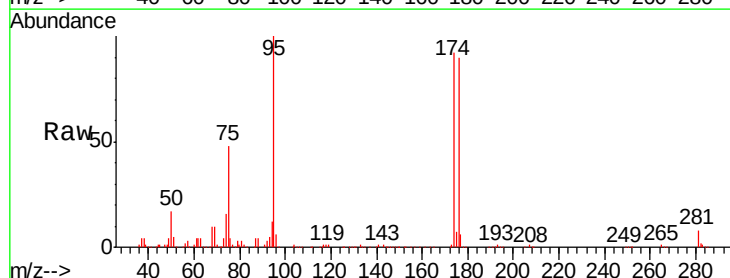
Tgt Ion: 75 Resp: 70929

Ion Ratio Lower Upper

75 100

53 0.0 79.8 119.6#

89 0.0 37.5 56.3#



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

12.62

60000

50000

40000

30000

20000

10000

0

Time-->

