

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW080319\
 Data File : VW011645.D
 Acq On : 03 Aug 2019 03:26
 Operator : SY/VA
 Sample : K4131-10
 Misc : 4.87G/5ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 1S-D4-(30)

Quant Time: Aug 04 00:08:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	234804	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	396899	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	351593	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	129608	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	159997	59.34	ug/l	0.00
Spiked Amount						
35) Dibromofluoromethane	7.88	113	122444	54.99	ug/l	0.00
Spiked Amount						
50) Toluene-d8	10.32	98	503544	55.23	ug/l	0.00
Spiked Amount						
62) 4-Bromofluorobenzene	12.62	95	162918	50.12	ug/l	0.00
Spiked Amount						

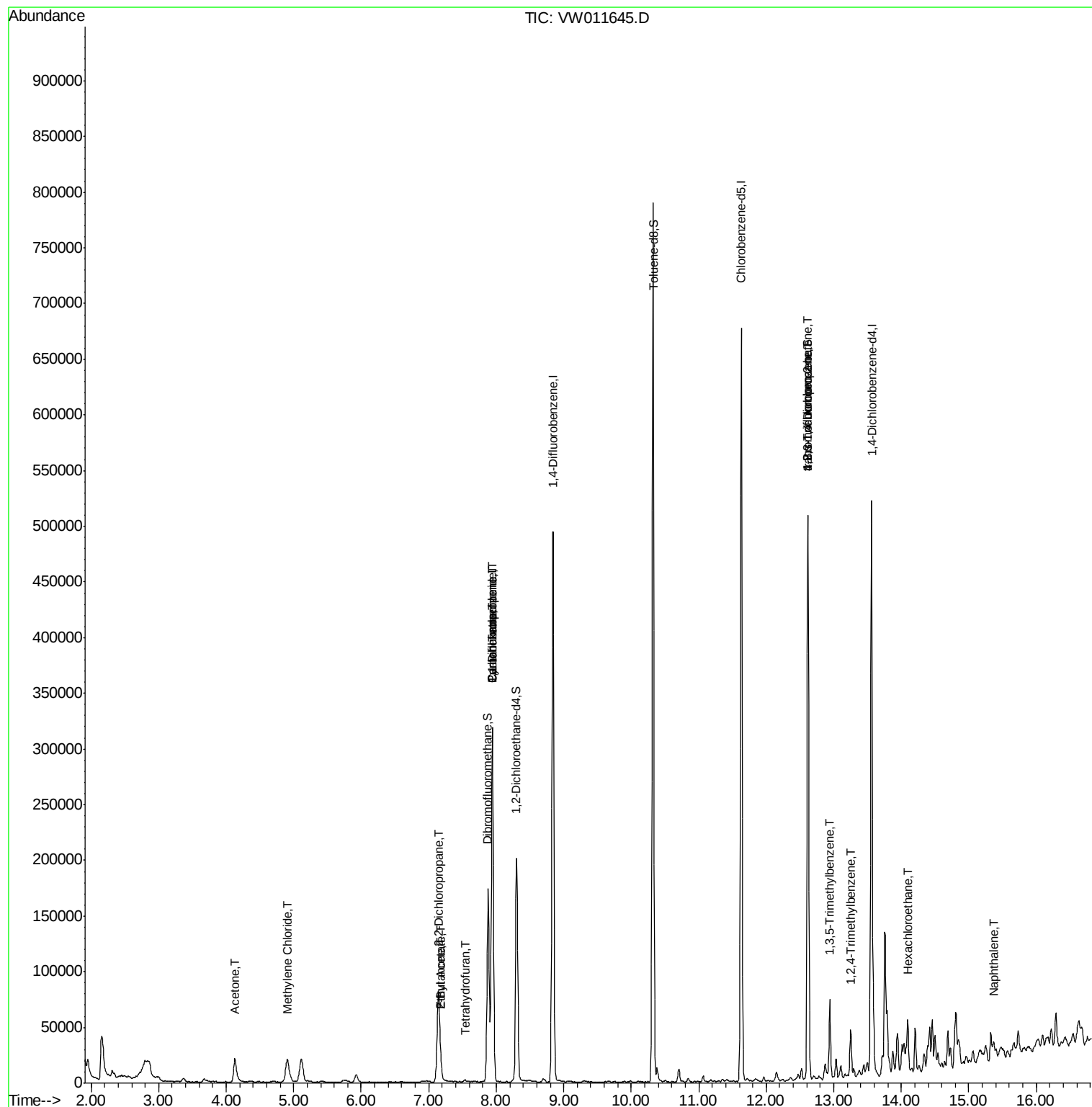
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.20	59	1090	Below Cal		# 85
16) Acetone	4.13	43	42273	49.289	ug/l	96
20) Methylene Chloride	4.90	84	14527	4.911	ug/l	89
25) 2-Butanone	7.18	43	16031	14.284	ug/l	99
26) 2,2-Dichloropropane	7.15	77	5640	1.746	ug/l	# 54
29) Tetrahydrofuran	7.55	42	1484	2.313	ug/l	# 89
31) Cyclohexane	7.94	56	6016	1.193	ug/l	# 1
36) 1,1-Dichloropropene	7.94	75	20258	4.909	ug/l	# 52
37) Ethyl Acetate	7.18	43	16070	6.768	ug/l	# 73
38) Carbon Tetrachloride	7.94	117	23753	6.723	ug/l	# 18
76) 1,2,3-Trichloropropane	12.62	75	88569	64.583	ug/l	# 100
80) 1,3,5-Trimethylbenzene	12.94	105	32074	3.957	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.62	75	88569	148.841	ug/l	# 6
84) 1,2,4-Trimethylbenzene	13.25	105	23030	2.821	ug/l	99
90) Hexachloroethane	14.10	117	2497	1.609	ug/l	# 10
95) Naphthalene	15.36	128	15518	4.973	ug/l	# 90

(#) = 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: VW011645.D

Acq: 03 Aug 2019 03:26

Instrument :

MSVOA_W

ClientSampleId :

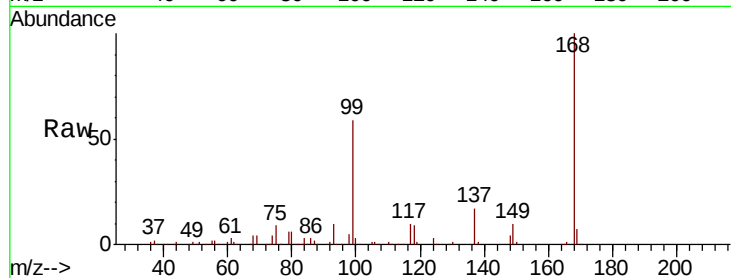
1S-D4-(30)

Tgt Ion:168 Resp: 234804

Ion Ratio Lower Upper

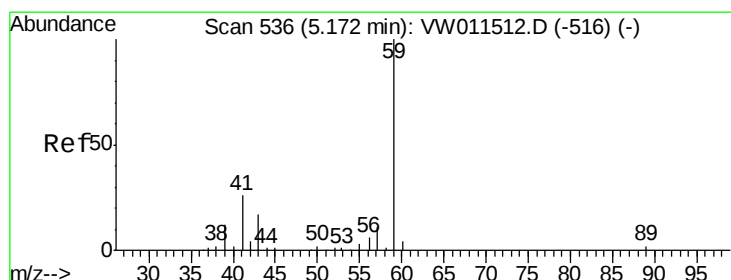
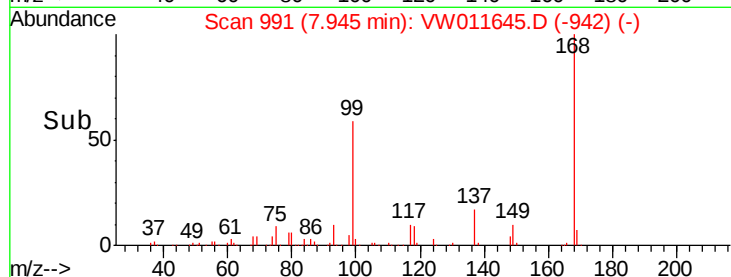
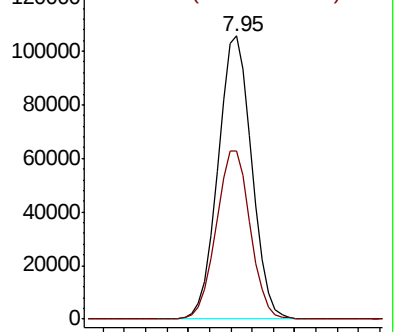
168 100

99 59.5 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.20 min Scan# 541

Delta R.T. 0.03 min

Lab File: VW011645.D

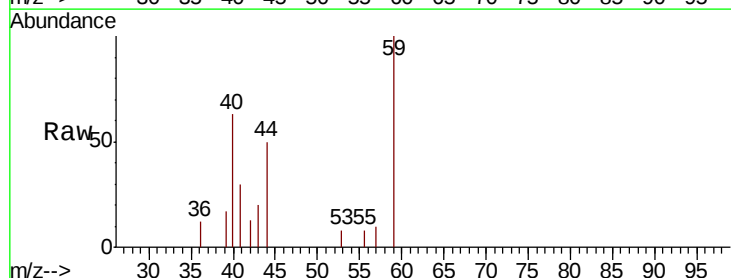
Acq: 03 Aug 2019 03:26

Tgt Ion: 59 Resp: 1090

Ion Ratio Lower Upper

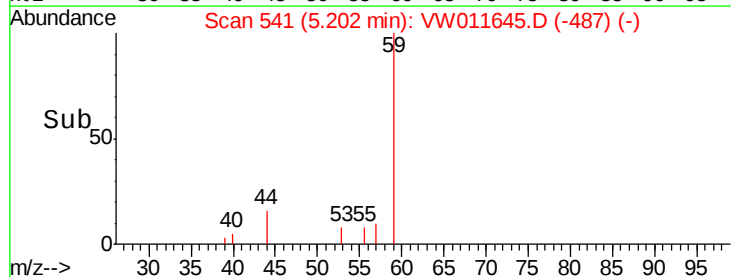
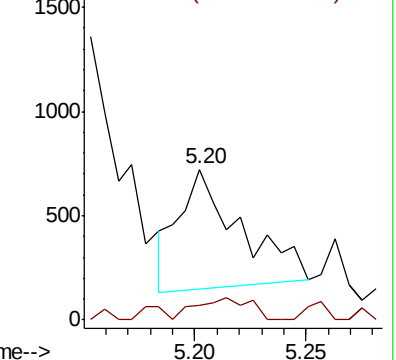
59 100

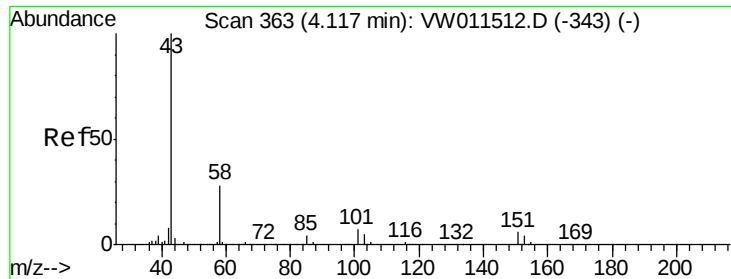
57 16.4 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

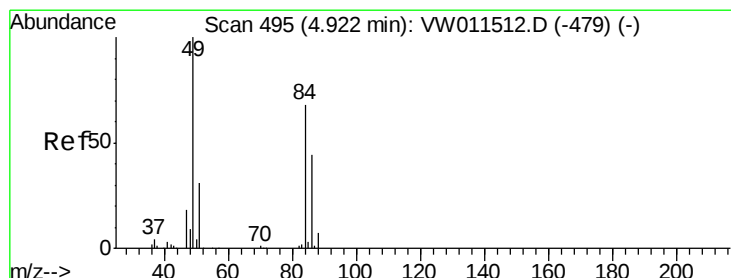
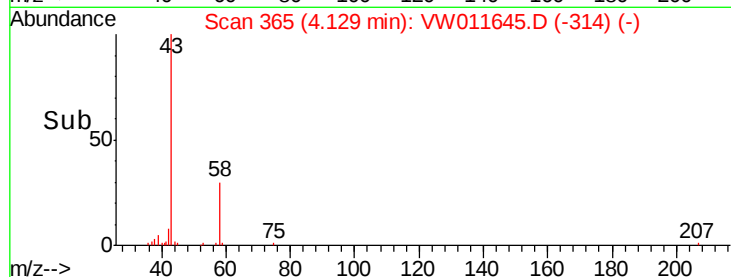
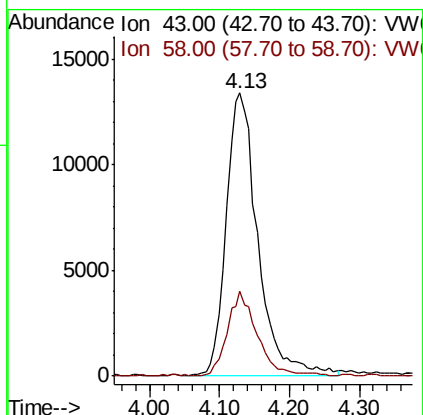
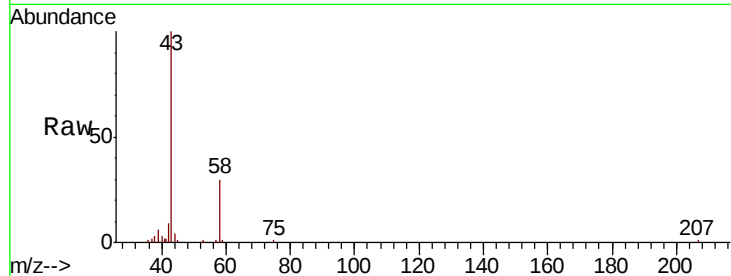




#16
Acetone
Concen: 49.289 ug/l
RT: 4.13 min Scan# 365
Delta R.T. 0.01 min
Lab File: VW011645.D
Acq: 03 Aug 2019 03:26

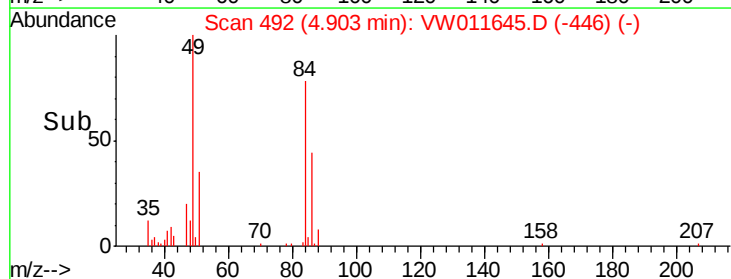
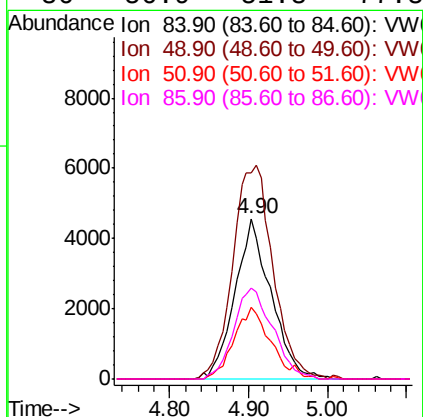
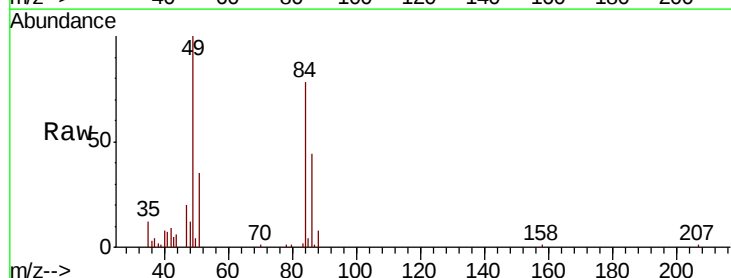
Instrument :
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1S-D4-(30)

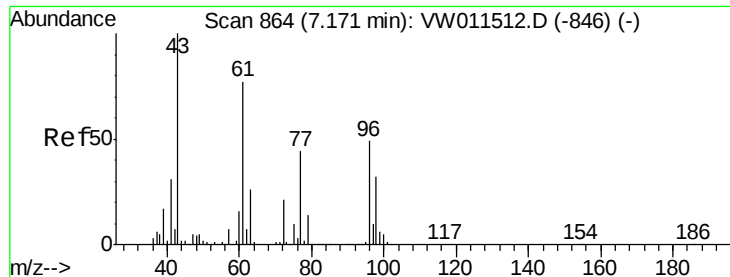
Tgt Ion: 43 Resp: 42273
Ion Ratio Lower Upper
43 100
58 30.2 22.3 33.5



#20
Methylene Chloride
Concen: 4.911 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.02 min
Lab File: VW011645.D
Acq: 03 Aug 2019 03:26

Tgt Ion: 84 Resp: 14527
Ion Ratio Lower Upper
84 100
49 128.8 117.8 176.6
51 45.1 37.0 55.4
86 56.9 51.8 77.8





#25

2-Butanone

Concen: 14.284 ug/l

RT: 7.18 min Scan# 866

Delta R.T. 0.01 min

Lab File: VW011645.D

Acq: 03 Aug 2019 03:26

Instrument :

MSVOA_W

ClientSampleId :

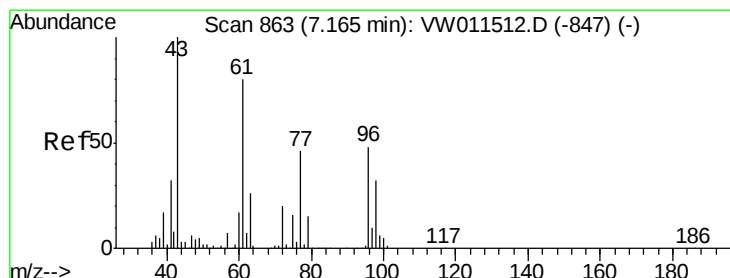
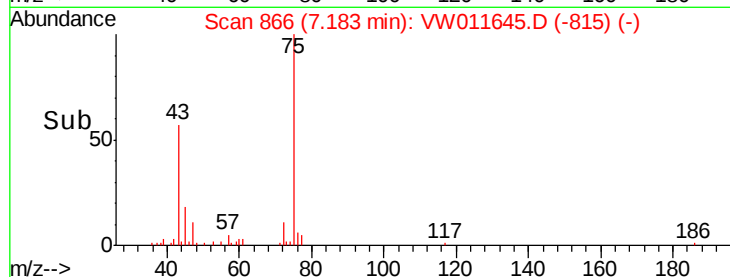
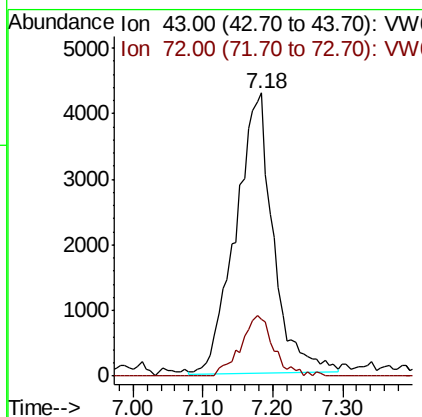
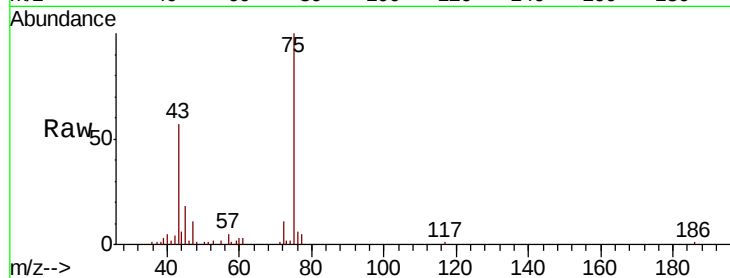
1S-D4-(30)

Tgt Ion: 43 Resp: 16031

Ion Ratio Lower Upper

43 100

72 20.3 16.6 24.8



#26

2,2-Dichloropropane

Concen: 1.746 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.02 min

Lab File: VW011645.D

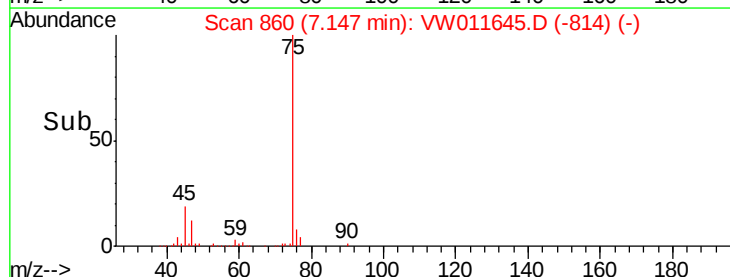
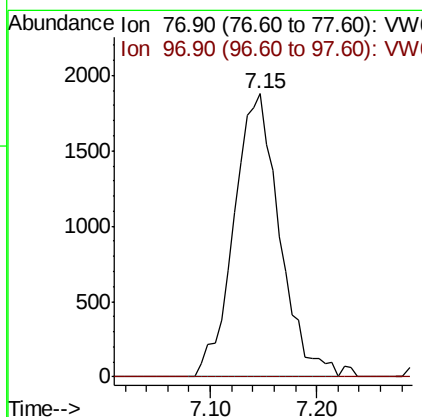
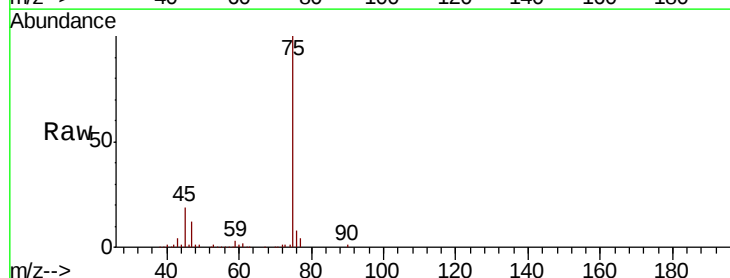
Acq: 03 Aug 2019 03:26

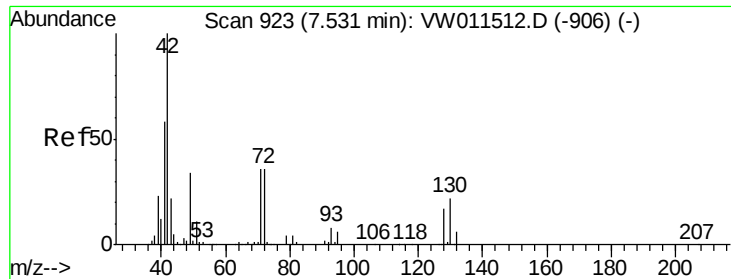
Tgt Ion: 77 Resp: 5640

Ion Ratio Lower Upper

77 100

97 0.0 10.8 32.4#

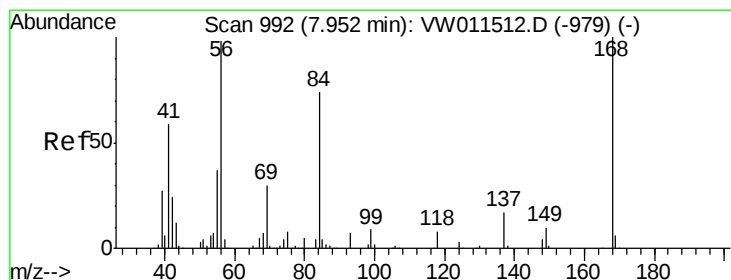
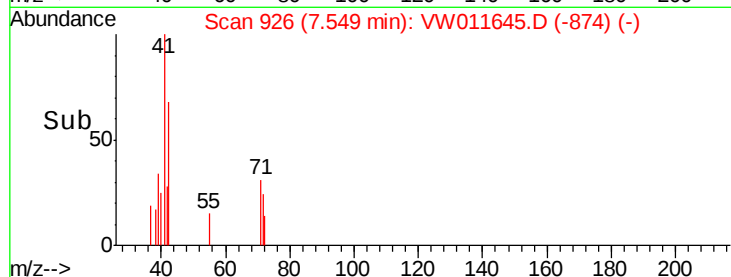
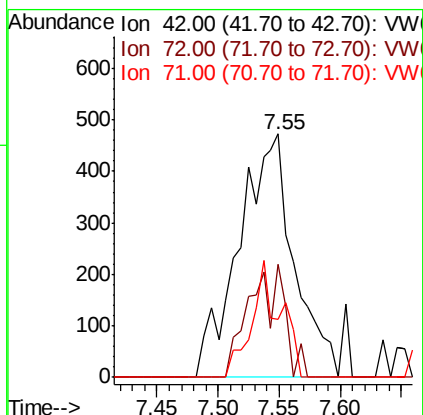
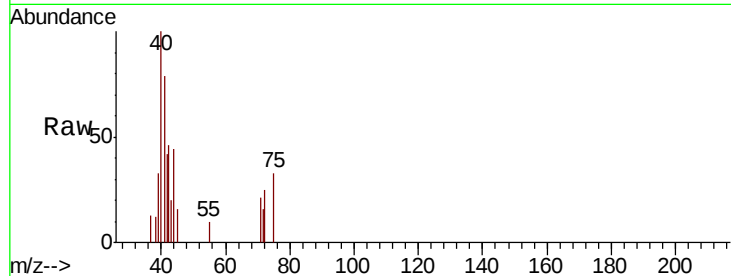




#29
Tetrahydrofuran
Concen: 2.313 ug/l
RT: 7.55 min Scan# 926
Delta R.T. 0.02 min
Lab File: VW011645.D
Acq: 03 Aug 2019 03:26

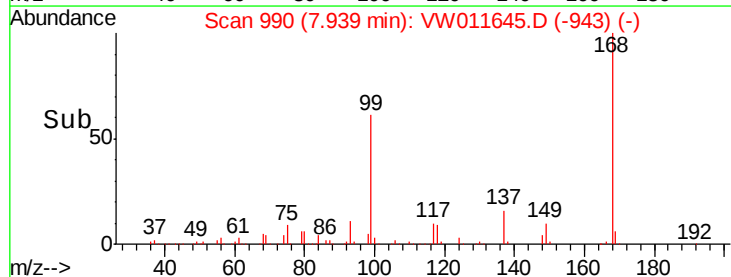
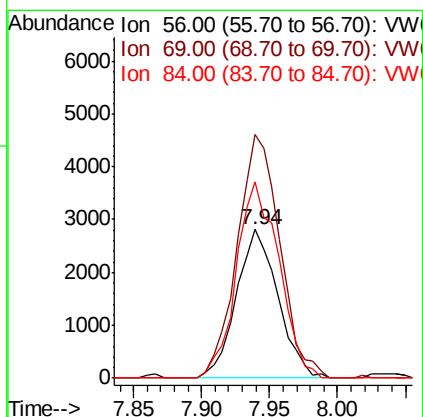
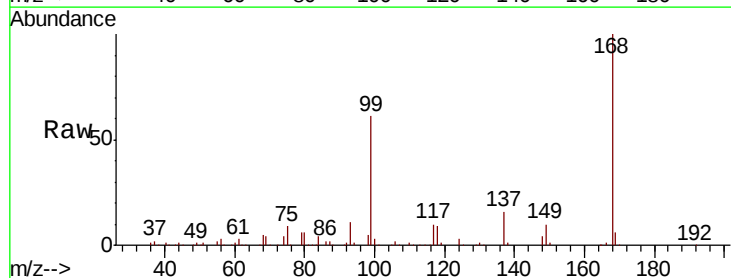
Instrument :
MSVOA_W
ClientSampleId :
1S-D4-(30)

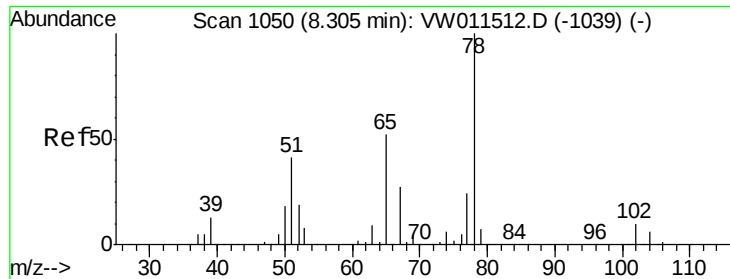
Tgt Ion: 42 Resp: 1484
Ion Ratio Lower Upper
42 100
72 29.9 27.1 40.7
71 24.9 26.2 39.4#



#31
Cyclohexane
Concen: 1.193 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.01 min
Lab File: VW011645.D
Acq: 03 Aug 2019 03:26

Tgt Ion: 56 Resp: 6016
Ion Ratio Lower Upper
56 100
69 164.0 24.3 36.5#
84 132.1 60.4 90.6#

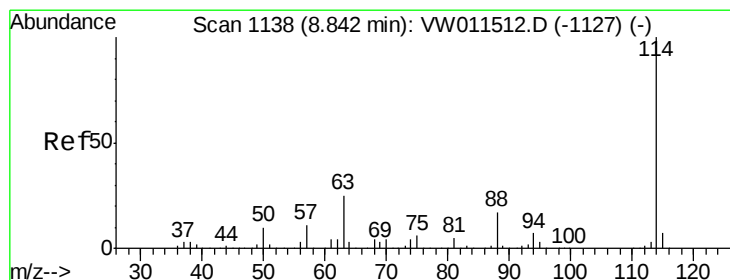
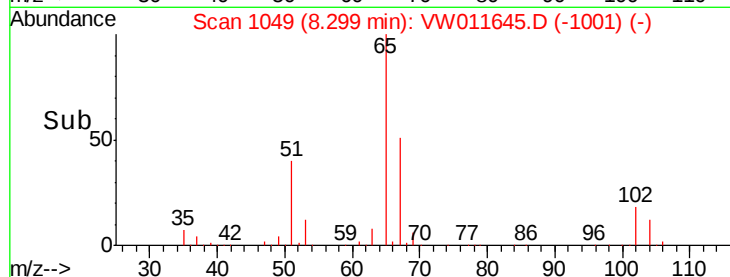
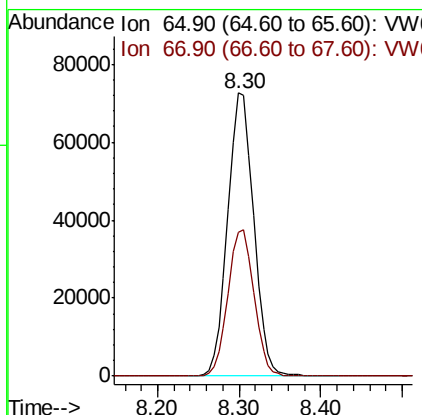
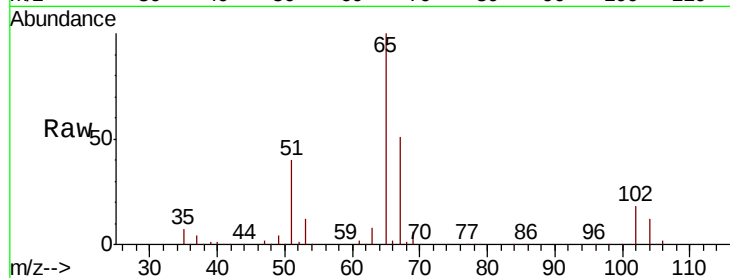




#33
 1,2-Dichloroethane-d4
 Concen: 59.342 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW011645.D
 Acq: 03 Aug 2019 03:26

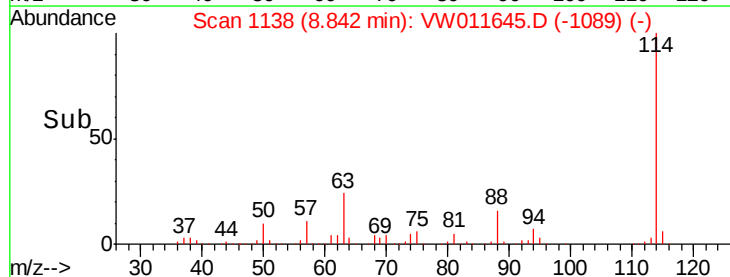
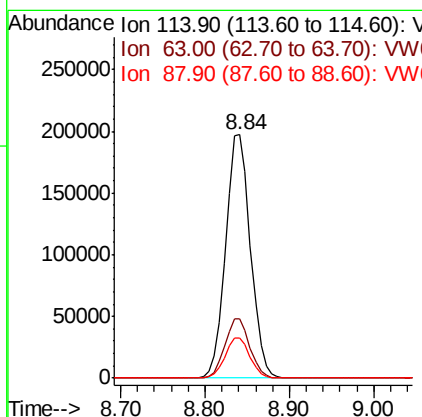
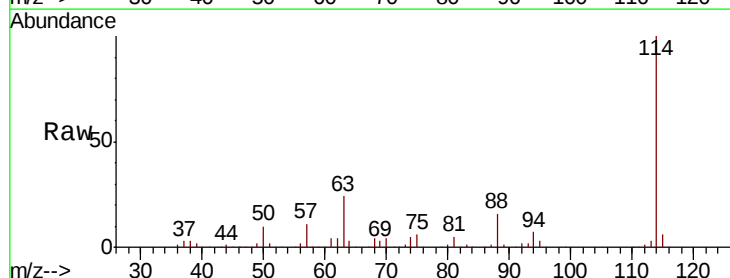
Instrument :
 MSVOA_W
 ClientSampleId :
 1S-D4-(30)

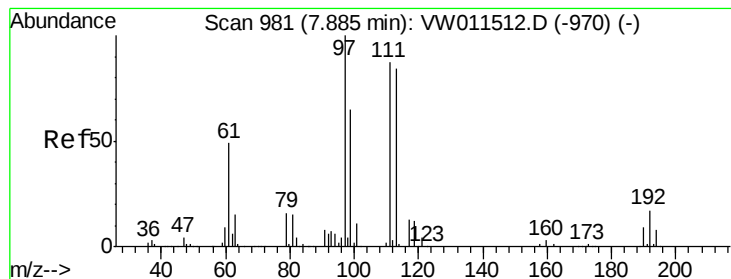
Tgt Ion: 65 Resp: 159997
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW011645.D
 Acq: 03 Aug 2019 03:26

Tgt Ion: 114 Resp: 396899
 Ion Ratio Lower Upper
 114 100
 63 24.2 0.0 49.2
 88 16.5 0.0 33.8





#35

Dibromofluoromethane

Concen: 54.990 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW011645.D

Acq: 03 Aug 2019 03:26

Instrument :

MSVOA_W

ClientSampleId :

1S-D4-(30)

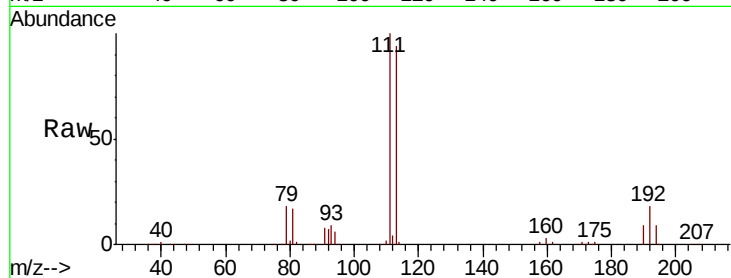
Tgt Ion:113 Resp: 122444

Ion Ratio Lower Upper

113 100

111 103.8 82.7 124.1

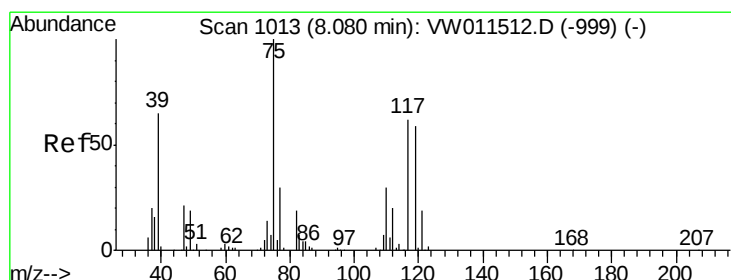
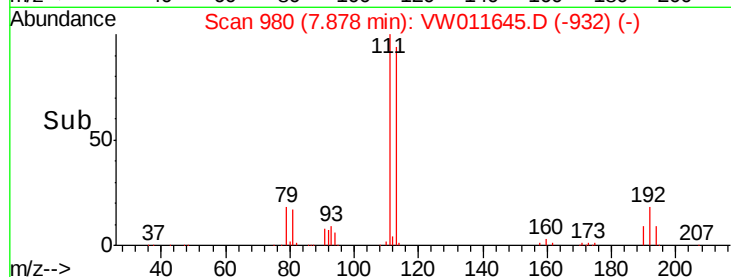
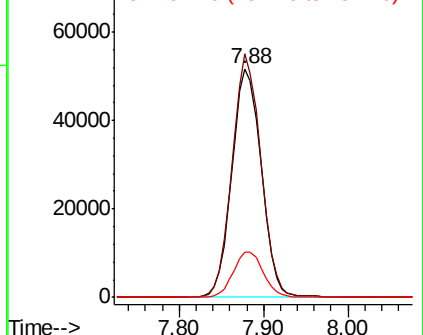
192 20.0 16.1 24.1



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.909 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.14 min

Lab File: VW011645.D

Acq: 03 Aug 2019 03:26

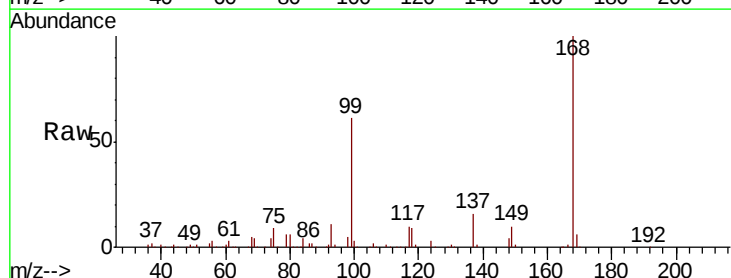
Tgt Ion: 75 Resp: 20258

Ion Ratio Lower Upper

75 100

110 8.8 15.6 46.8#

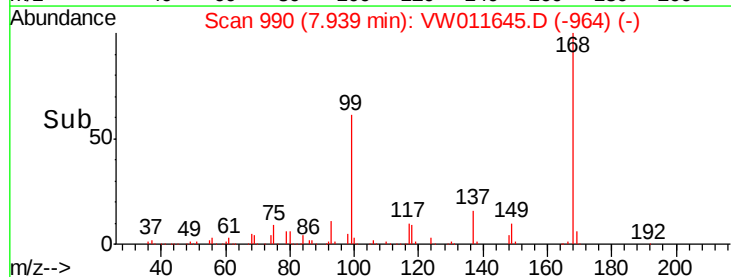
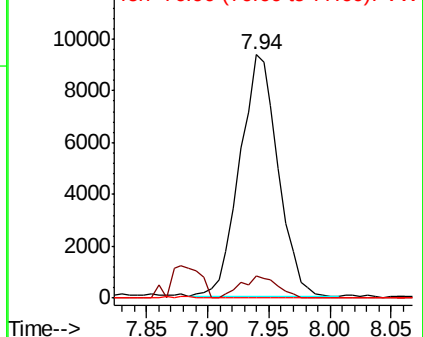
77 0.0 24.3 36.5#

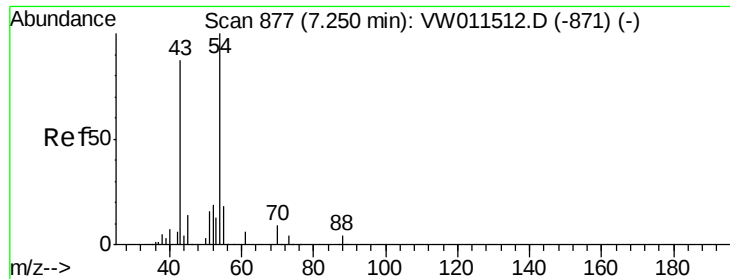


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

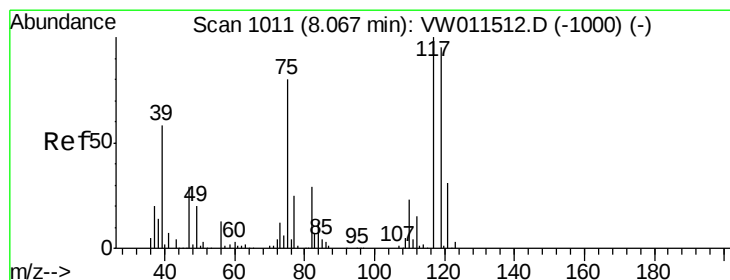
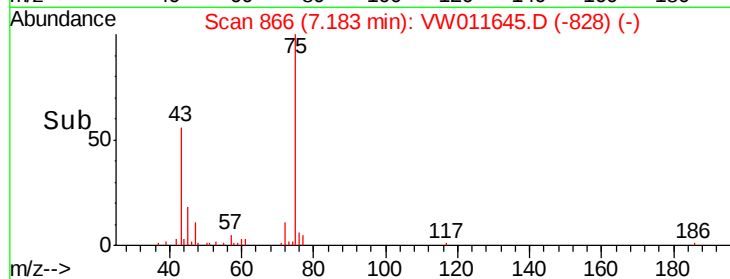
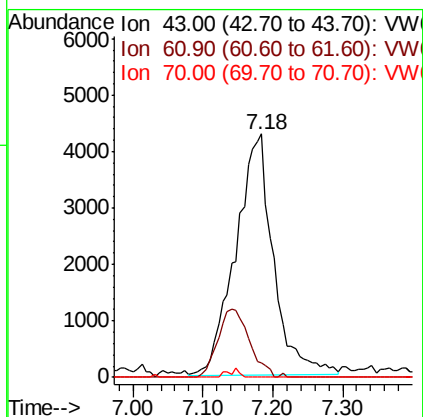
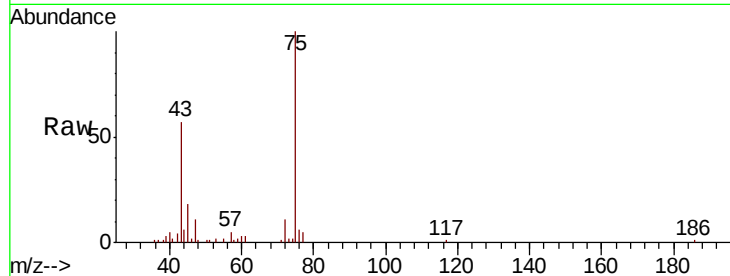




#37
Ethyl Acetate
Concen: 6.768 ug/l
RT: 7.18 min Scan# 866
Delta R.T. -0.07 min
Lab File: VW011645.D
Acq: 03 Aug 2019 03:26

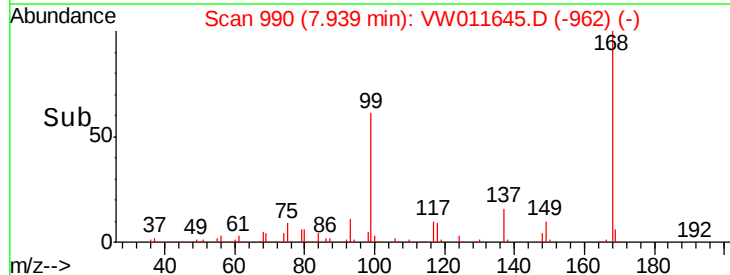
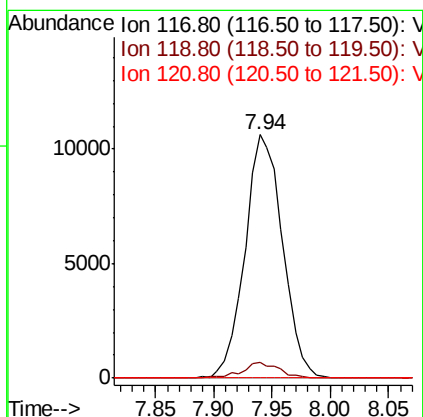
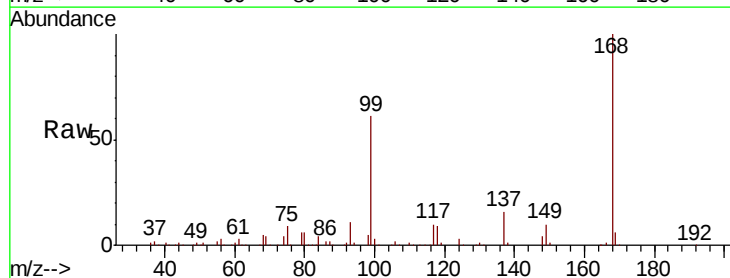
Instrument :
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1S-D4-(30)

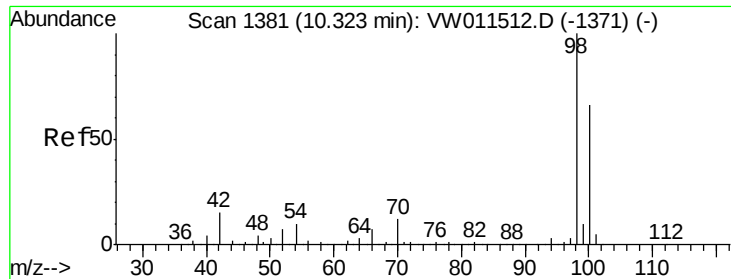
Tgt Ion: 43 Resp: 16070
Ion Ratio Lower Upper
43 100
61 0.0 8.8 13.2#
70 0.0 7.1 10.7#



#38
Carbon Tetrachloride
Concen: 6.723 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.13 min
Lab File: VW011645.D
Acq: 03 Aug 2019 03:26

Tgt Ion: 117 Resp: 23753
Ion Ratio Lower Upper
117 100
119 6.4 75.8 113.6#
121 0.0 24.7 37.1#





#50

Toluene-d8

Concen: 55.233 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW011645.D

Acq: 03 Aug 2019 03:26

Instrument :

MSVOA_W

ClientSampleId :

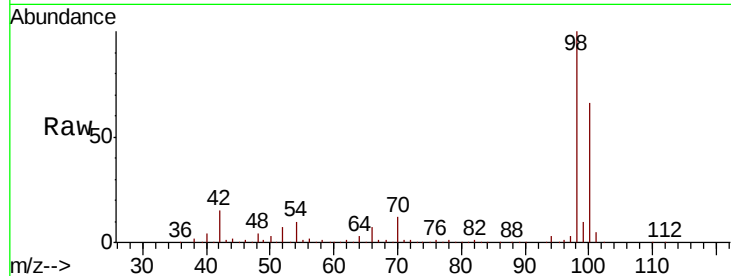
1S-D4-(30)

Tgt Ion: 98 Resp: 503544

Ion Ratio Lower Upper

98 100

100 64.9 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

10.32

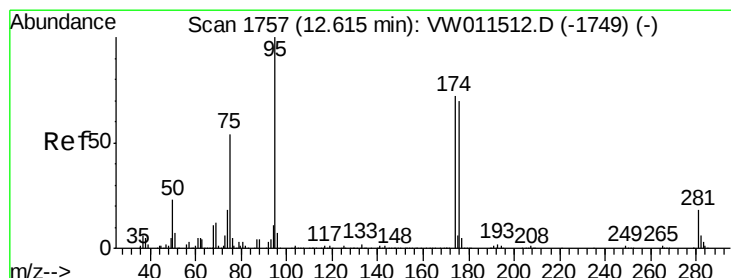
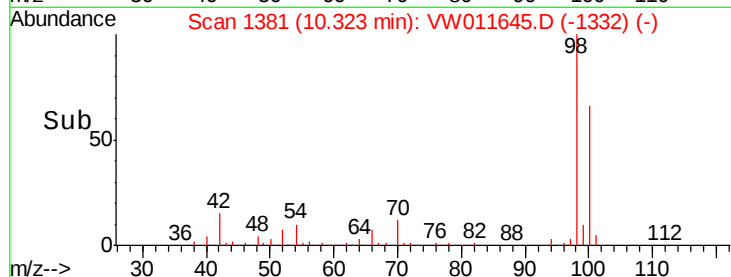
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 50.124 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW011645.D

Acq: 03 Aug 2019 03:26

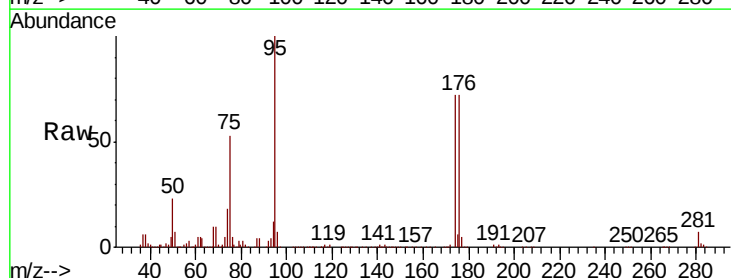
Tgt Ion: 95 Resp: 162918

Ion Ratio Lower Upper

95 100

174 75.7 0.0 150.2

176 73.9 0.0 144.4



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

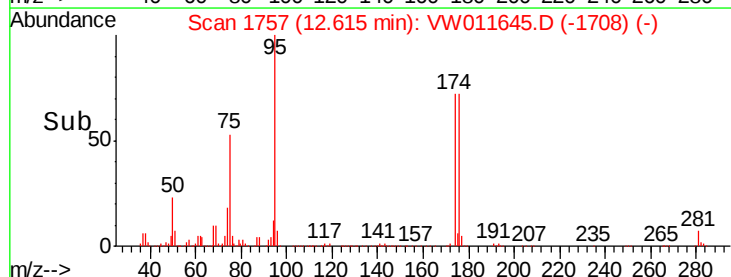
12.62

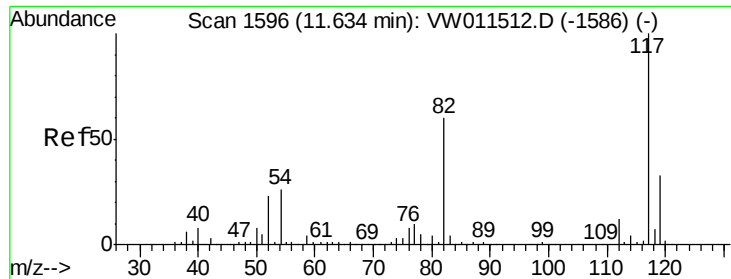
100000

50000

0

Time-->

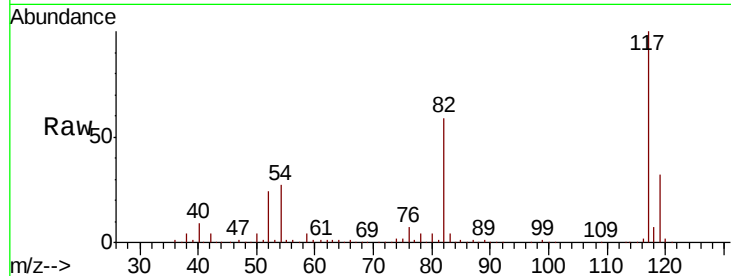




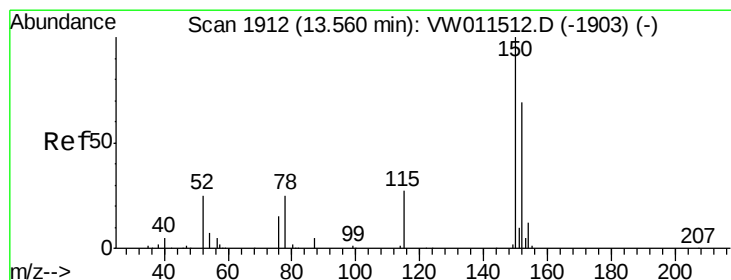
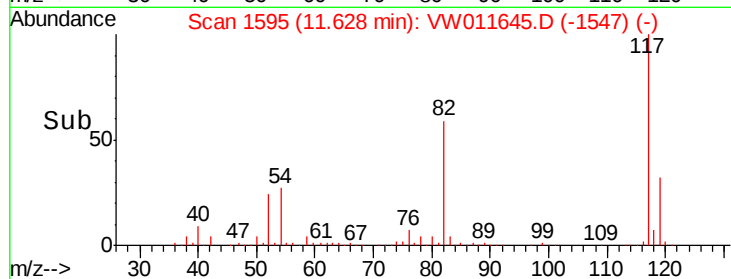
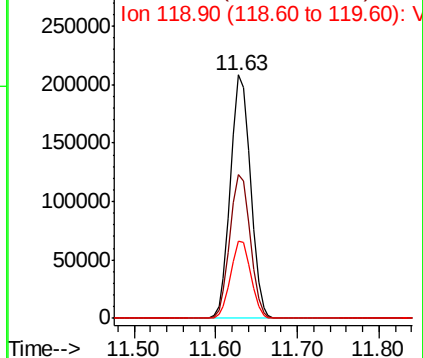
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW011645.D
Acq: 03 Aug 2019 03:26

Instrument :
MSVOA_W
ClientSampleId :
1S-D4-(30)

Tgt Ion:117 Resp: 351593
Ion Ratio Lower Upper
117 100
82 58.8 47.9 71.9
119 31.5 26.2 39.2

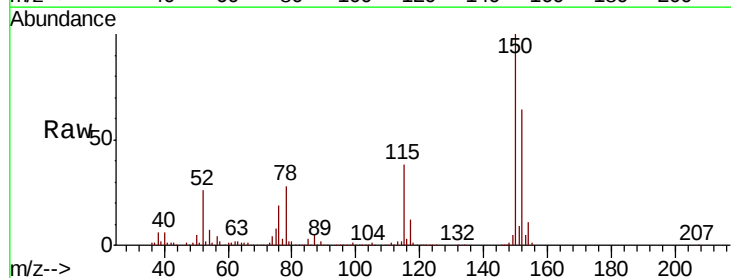


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

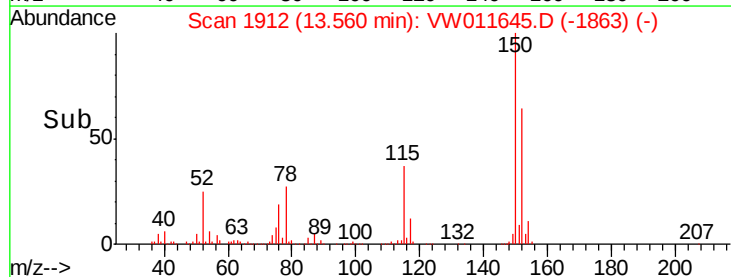
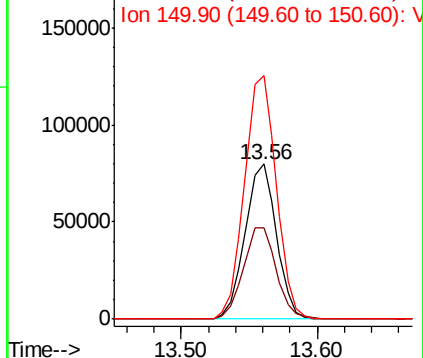


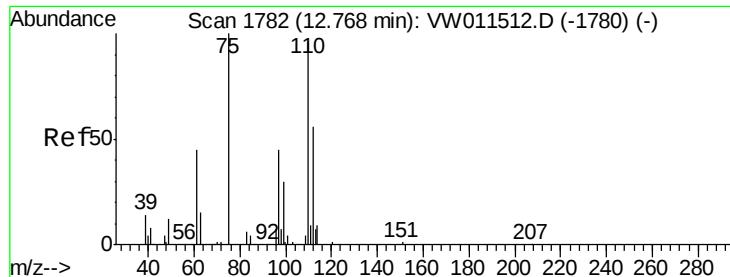
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW011645.D
Acq: 03 Aug 2019 03:26

Tgt Ion:152 Resp: 129608
Ion Ratio Lower Upper
152 100
115 61.5 30.5 91.5
150 158.8 0.0 352.6



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

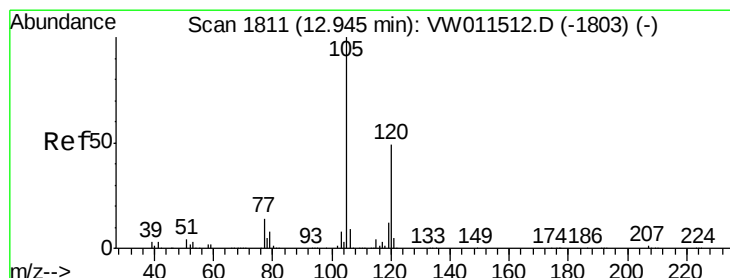
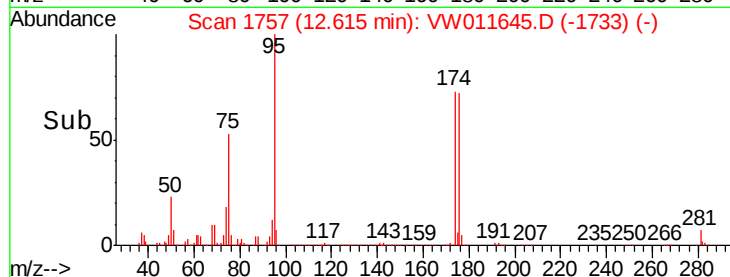
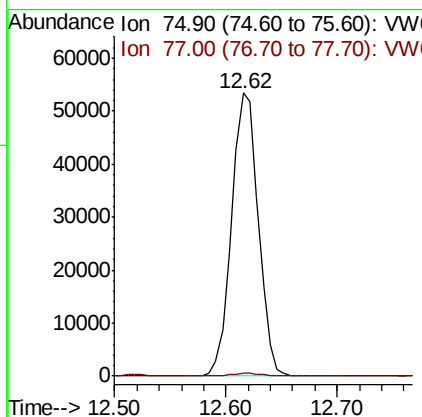
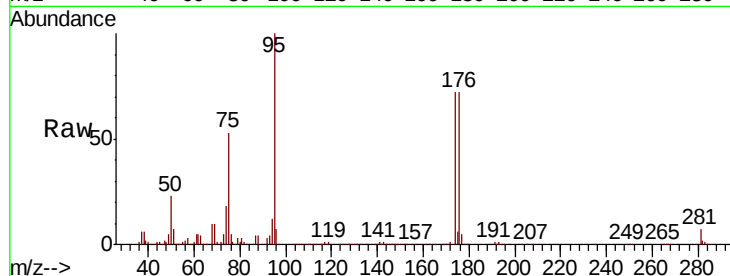




#76
 1,2,3-Trichloropropane
 Concen: 64.583 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.15 min
 Lab File: VW011645.D
 Acq: 03 Aug 2019 03:26

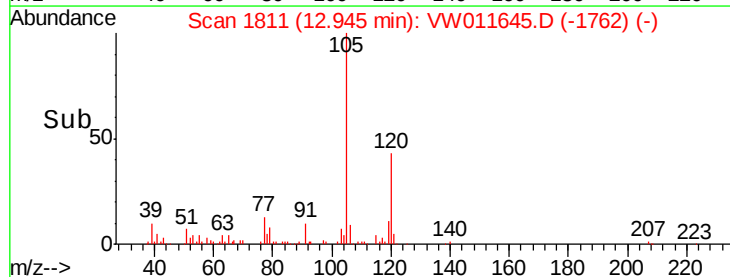
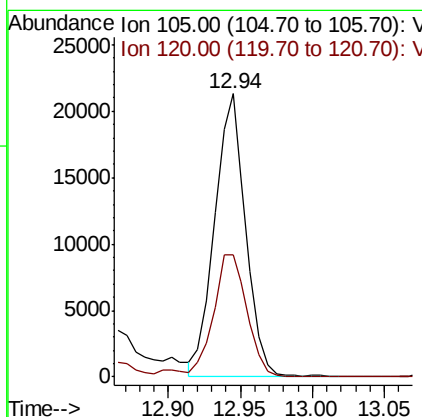
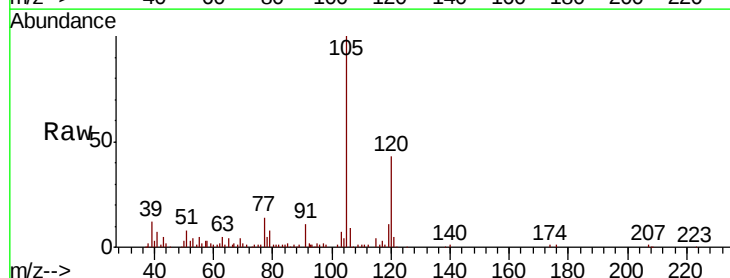
Instrument :
 MSVOA_W
 ClientSampleId :
 1S-D4-(30)

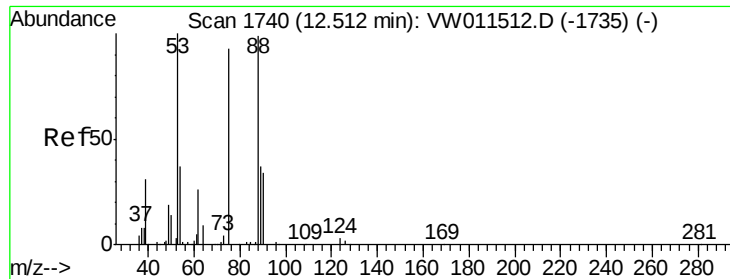
Tgt Ion: 75 Resp: 88569
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#



#80
 1,3,5-Trimethylbenzene
 Concen: 3.957 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW011645.D
 Acq: 03 Aug 2019 03:26

Tgt Ion: 105 Resp: 32074
 Ion Ratio Lower Upper
 105 100
 120 48.4 24.1 72.3

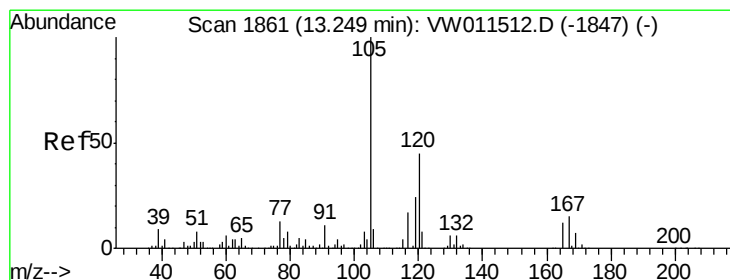
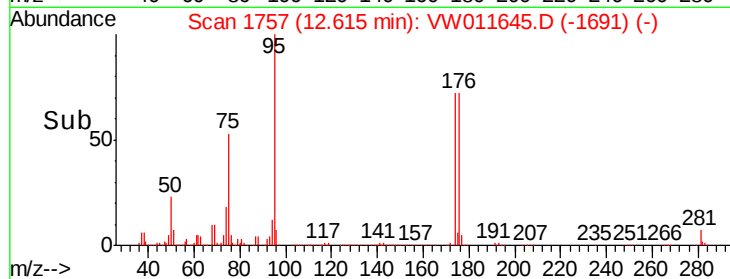
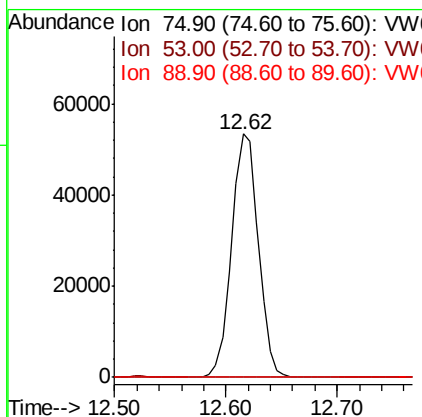
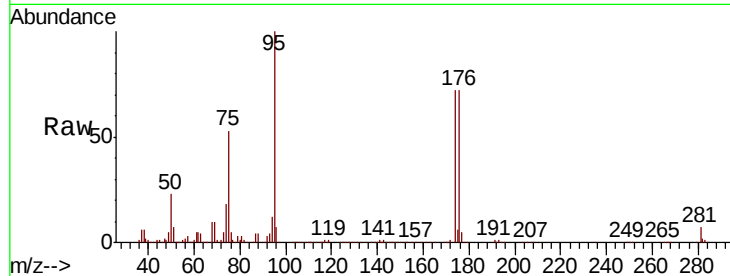




#81
 trans-1,4-Dichloro-2-butene
 Concen: 148.841 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW011645.D
 Acq: 03 Aug 2019 03:26

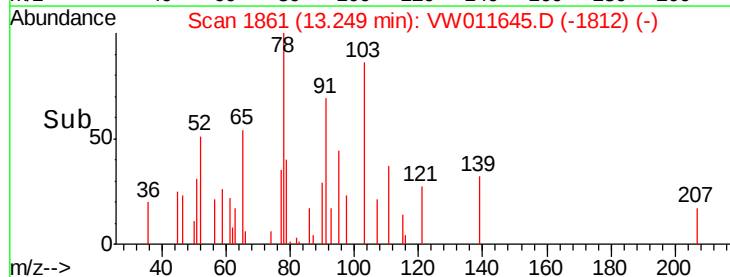
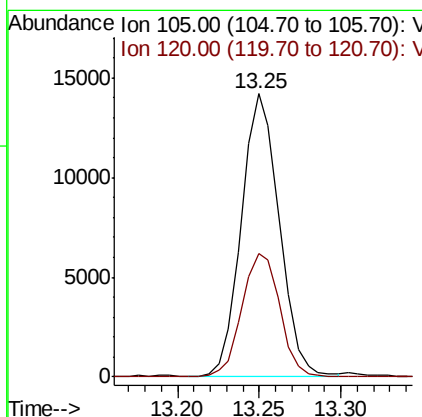
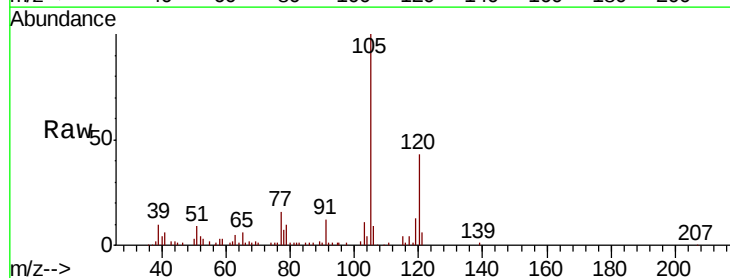
Instrument :
 MSVOA_W
 ClientSampleId :
 1S-D4-(30)

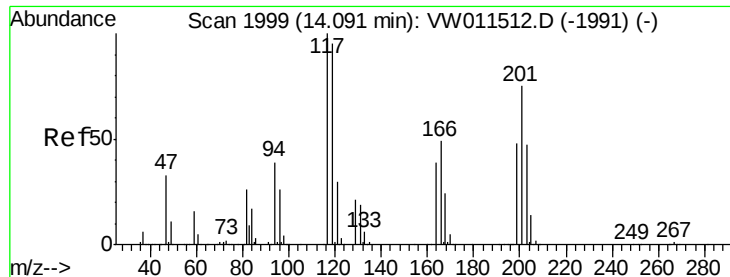
Tgt Ion: 75 Resp: 88569
 Ion Ratio Lower Upper
 75 100
 53 0.3 88.0 132.0#
 89 0.1 35.3 52.9#



#84
 1,2,4-Trimethylbenzene
 Concen: 2.821 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VW011645.D
 Acq: 03 Aug 2019 03:26

Tgt Ion: 105 Resp: 23030
 Ion Ratio Lower Upper
 105 100
 120 43.4 22.1 66.5

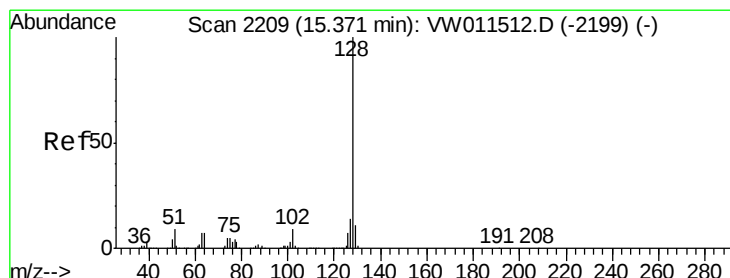
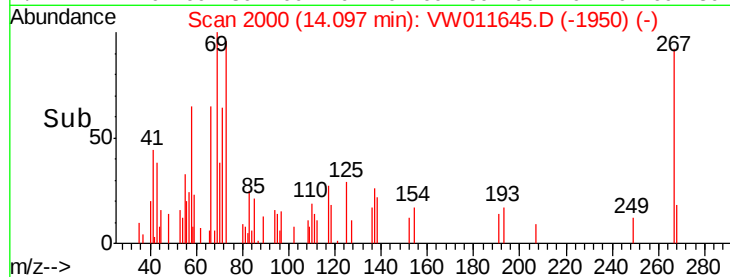
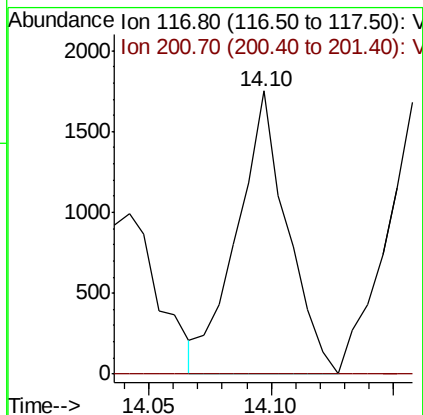
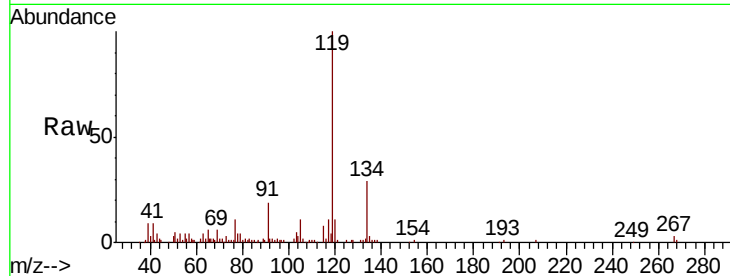




#90
Hexachloroethane
Concen: 1.609 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.01 min
Lab File: VW011645.D
Acq: 03 Aug 2019 03:26

Instrument :
MSVOA_W
ClientSampleId :
1S-D4-(30)

Tgt Ion:117 Resp: 2497
Ion Ratio Lower Upper
117 100
201 0.0 39.4 118.2#



#95
Naphthalene
Concen: 4.973 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.01 min
Lab File: VW011645.D
Acq: 03 Aug 2019 03:26

Tgt Ion:128 Resp: 15518
Ion Ratio Lower Upper
128 100
127 18.6 10.6 16.0#
129 12.8 8.6 13.0

