

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW080319\
 Data File : VW011647.D
 Acq On : 03 Aug 2019 04:18
 Operator : SY/VA
 Sample : K4131-13
 Misc : 5.68G/5ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 1S-E2-(0-1)

Quant Time: Aug 04 00:09:15 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	256358	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	431876	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	371152	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	139606	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	172536	58.61	ug/l	0.00
Spiked Amount			Recovery	=	117.22%	
35) Dibromofluoromethane	7.88	113	133033	54.91	ug/l	0.00
Spiked Amount			Recovery	=	109.82%	
50) Toluene-d8	10.32	98	547237	55.16	ug/l	0.00
Spiked Amount			Recovery	=	110.32%	
62) 4-Bromofluorobenzene	12.62	95	173746	49.13	ug/l	0.00
Spiked Amount			Recovery	=	98.26%	

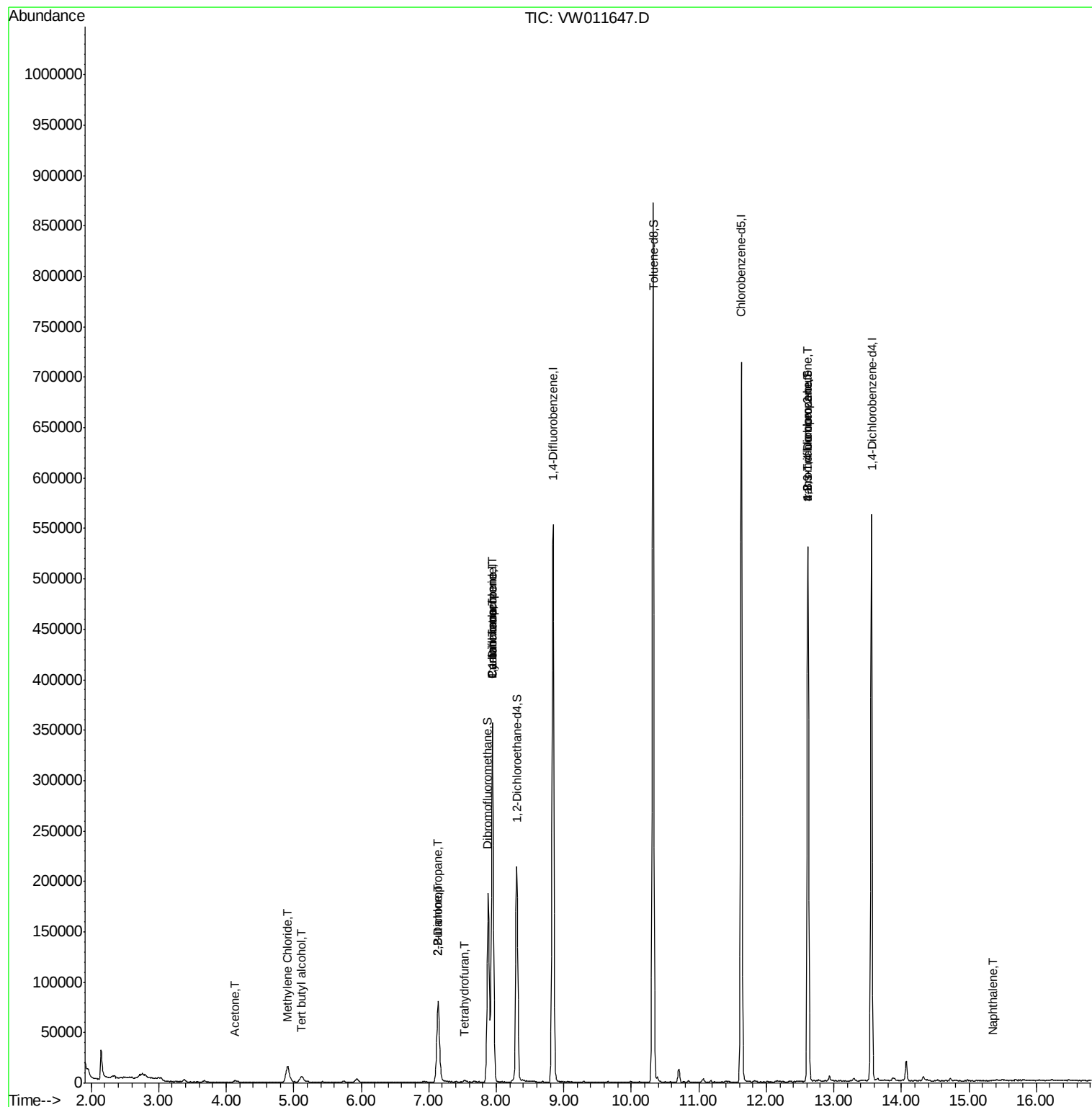
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.11	59	6038	10.728	ug/l #	73
16) Acetone	4.13	43	3711	3.963	ug/l	94
20) Methylene Chloride	4.91	84	11262	3.487	ug/l #	87
25) 2-Butanone	7.13	43	5012	4.090	ug/l	93
26) 2,2-Dichloropropane	7.14	77	5522	1.566	ug/l #	54
29) Tetrahydrofuran	7.53	42	1262	1.802	ug/l #	71
31) Cyclohexane	7.94	56	6599	1.199	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	22330	4.972	ug/l #	50
38) Carbon Tetrachloride	7.95	117	26469	6.885	ug/l #	16
76) 1,2,3-Trichloropropane	12.62	75	91894	62.209	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	91894	143.369	ug/l #	6
95) Naphthalene	15.36	128	380	2.132	ug/l #	69

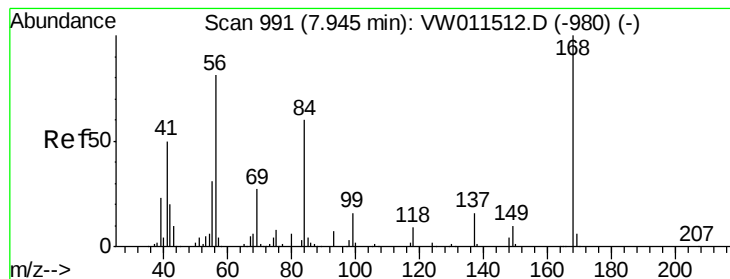
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW011647.D

Acq: 03 Aug 2019 04:18

Instrument :

MSVOA_W

ClientSampleId :

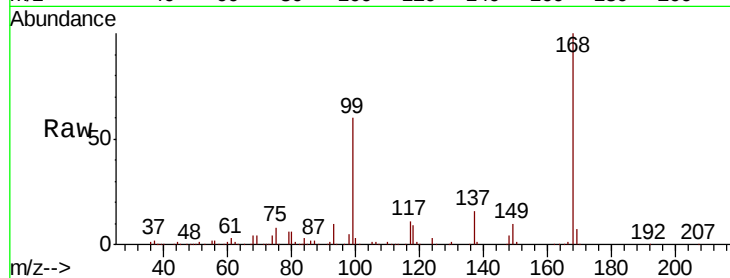
1S-E2-(0-1)

Tgt Ion:168 Resp: 256358

Ion Ratio Lower Upper

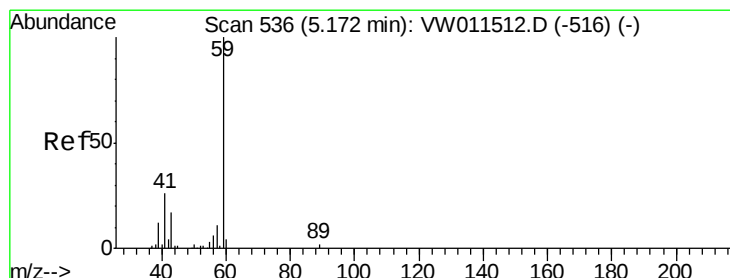
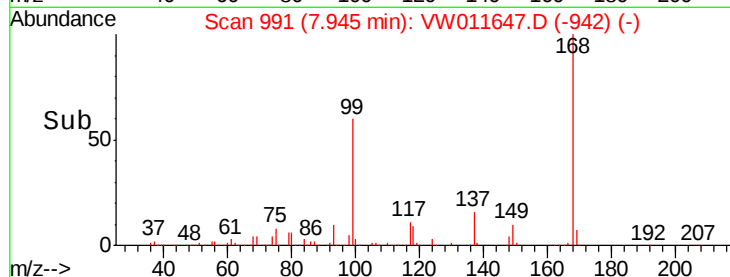
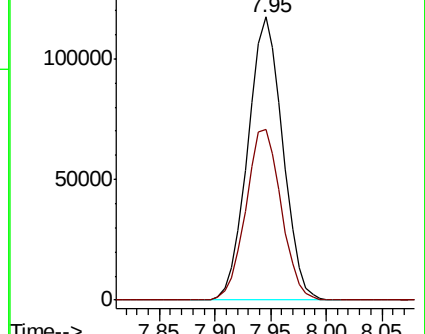
168 100

99 60.5 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: 10.728 ug/l

RT: 5.11 min Scan# 526

Delta R.T. -0.06 min

Lab File: VW011647.D

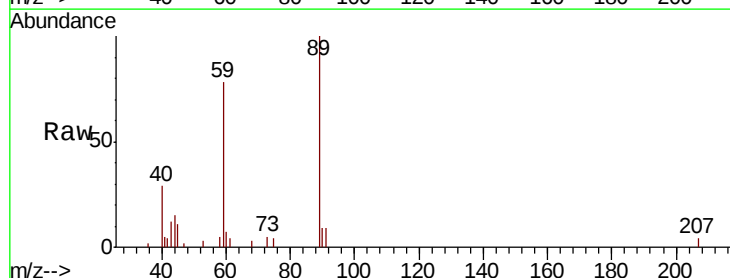
Acq: 03 Aug 2019 04:18

Tgt Ion: 59 Resp: 6038

Ion Ratio Lower Upper

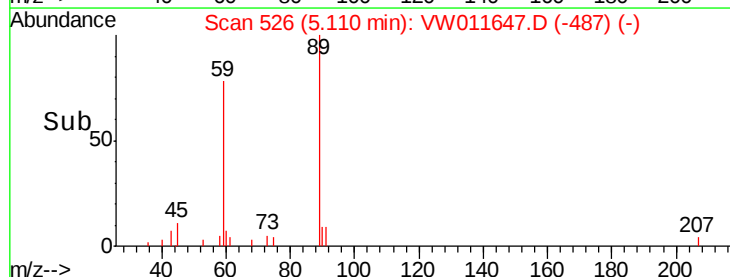
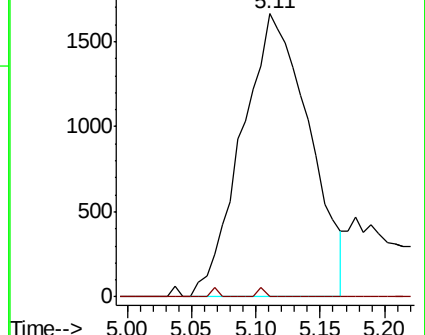
59 100

57 0.3 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: 3.963 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW011647.D

Acq: 03 Aug 2019 04:18

Instrument :

MSVOA_W

ClientSampleId :

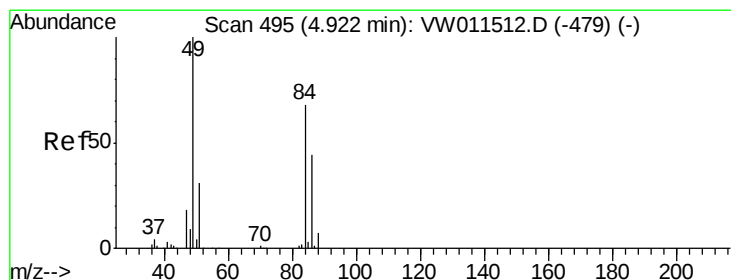
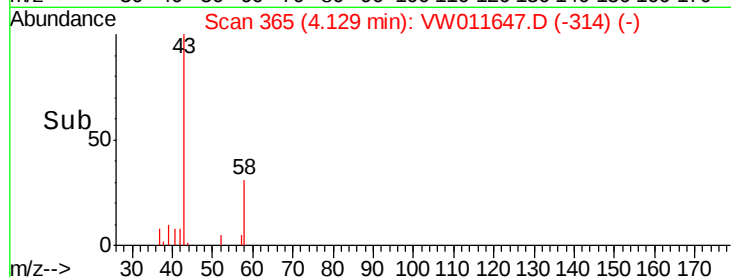
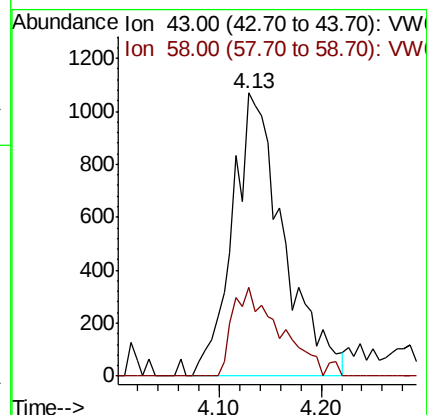
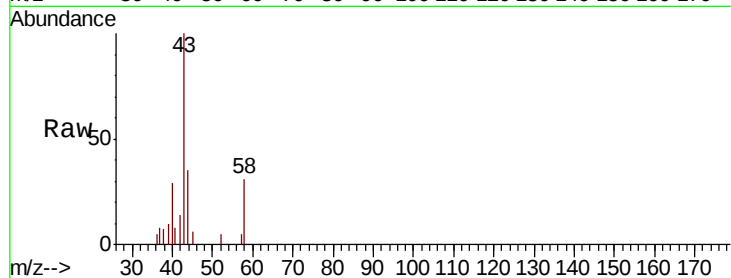
1S-E2-(0-1)

Tgt Ion: 43 Resp: 3711

Ion Ratio Lower Upper

43 100

58 31.2 22.3 33.5



#20

Methylene Chloride

Concen: 3.487 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW011647.D

Acq: 03 Aug 2019 04:18

Tgt Ion: 84 Resp: 11262

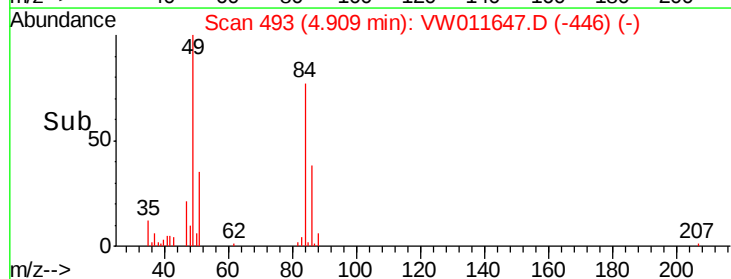
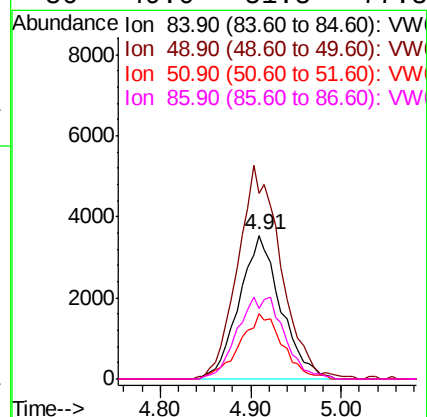
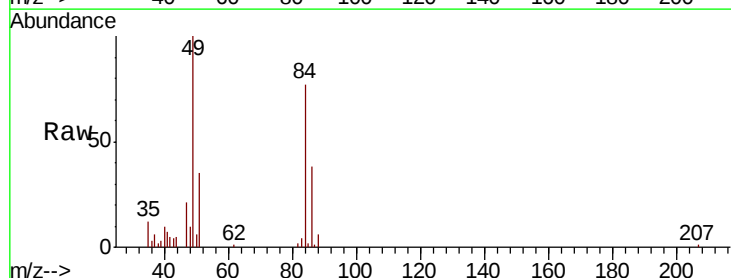
Ion Ratio Lower Upper

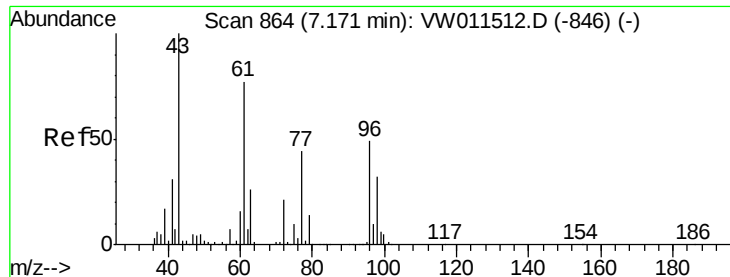
84 100

49 129.5 117.8 176.6

51 45.4 37.0 55.4

86 49.0 51.8 77.8#





#25

2-Butanone

Concen: 4.090 ug/l

RT: 7.13 min Scan# 858

Delta R.T. -0.04 min

Lab File: VW011647.D

Acq: 03 Aug 2019 04:18

Instrument :

MSVOA_W

ClientSampleId :

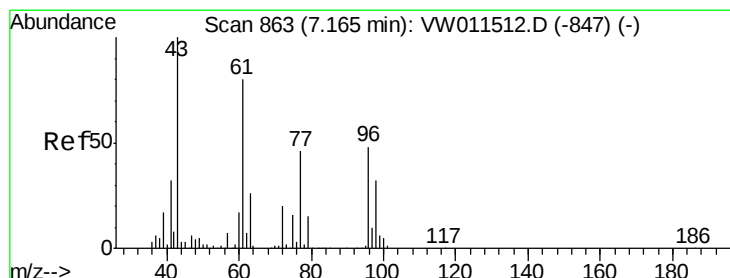
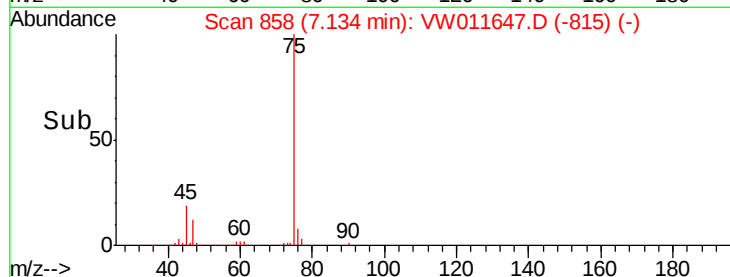
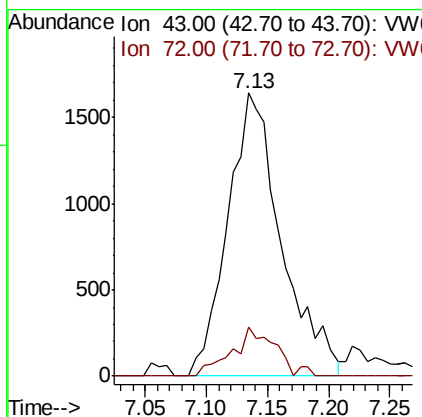
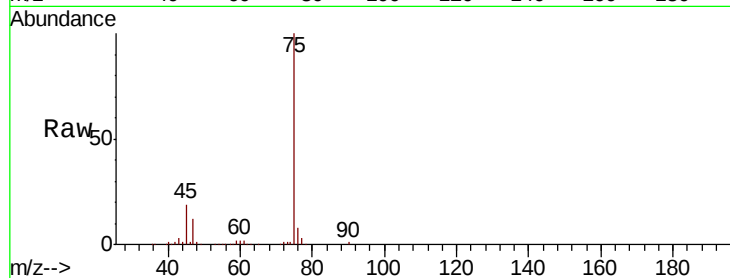
1S-E2-(0-1)

Tgt Ion: 43 Resp: 5012

Ion Ratio Lower Upper

43 100

72 17.4 16.6 24.8



#26

2,2-Dichloropropane

Concen: 1.566 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.02 min

Lab File: VW011647.D

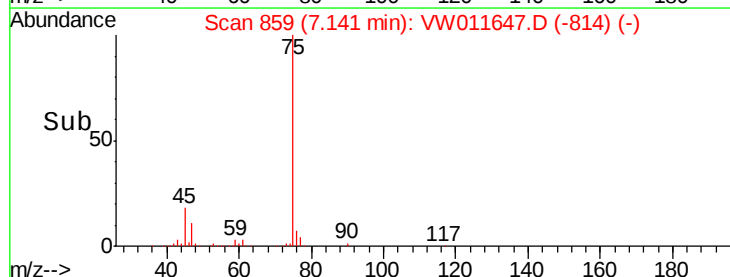
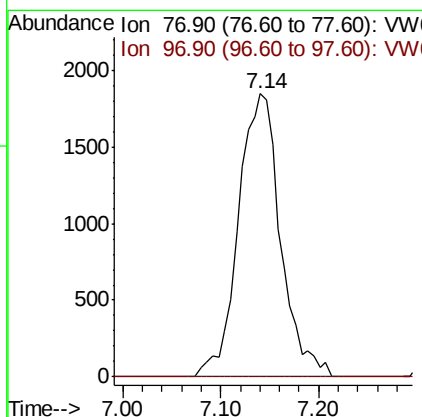
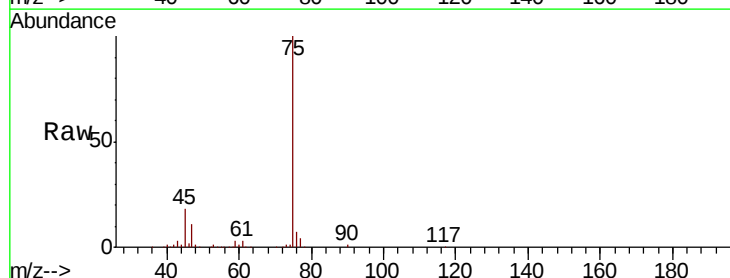
Acq: 03 Aug 2019 04:18

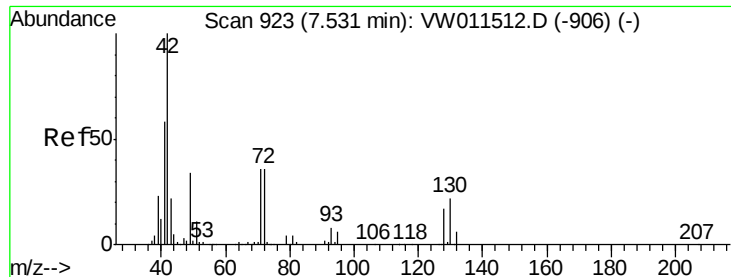
Tgt Ion: 77 Resp: 5522

Ion Ratio Lower Upper

77 100

97 0.0 10.8 32.4#

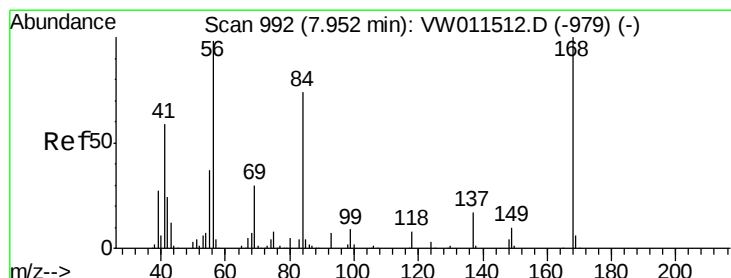
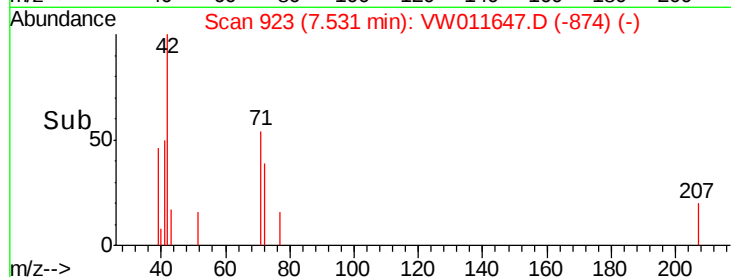
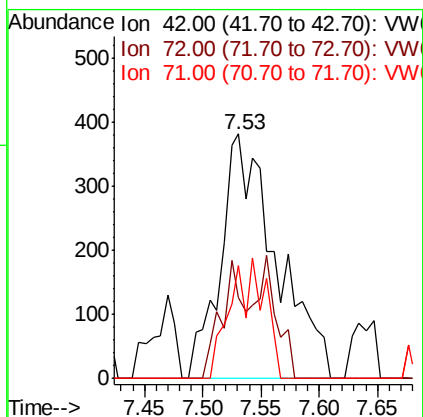
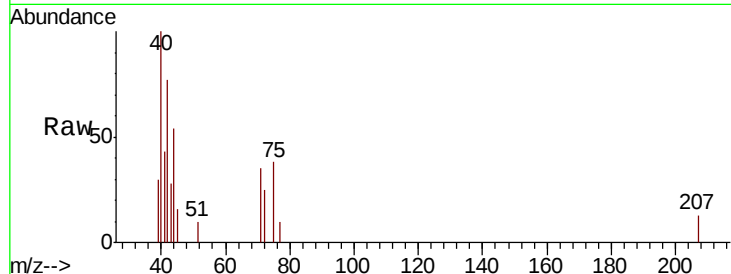




#29
Tetrahydrofuran
Concen: 1.802 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW011647.D
Acq: 03 Aug 2019 04:18

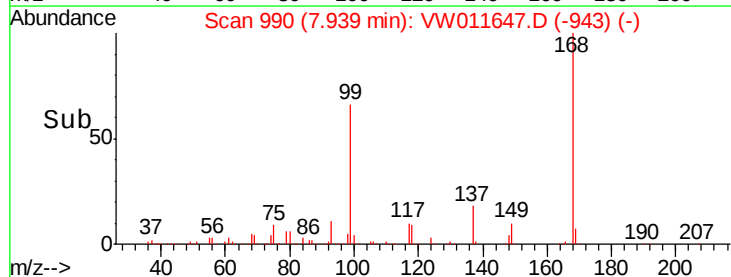
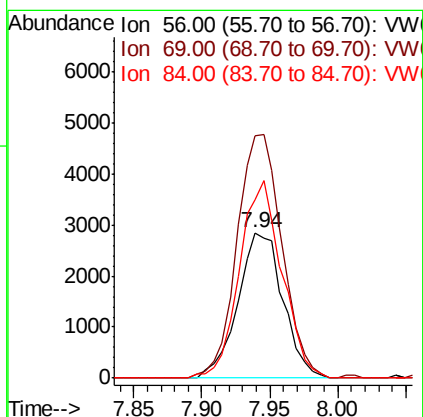
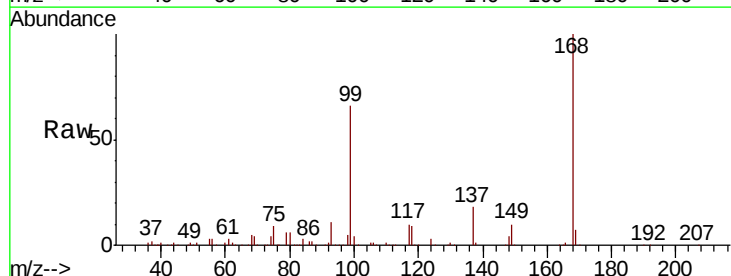
Instrument :
MSVOA_W
ClientSampleId :
1S-E2-(0-1)

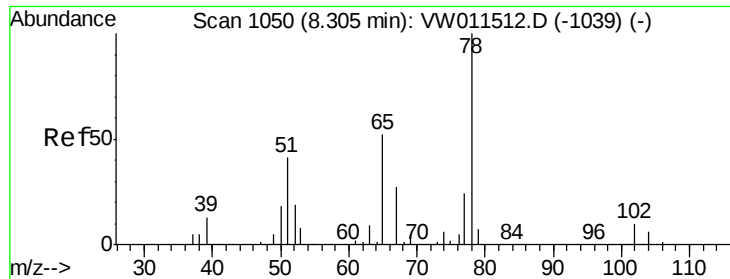
Tgt Ion: 42 Resp: 1262
Ion Ratio Lower Upper
42 100
72 18.7 27.1 40.7#
71 15.5 26.2 39.4#



#31
Cyclohexane
Concen: 1.199 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.01 min
Lab File: VW011647.D
Acq: 03 Aug 2019 04:18

Tgt Ion: 56 Resp: 6599
Ion Ratio Lower Upper
56 100
69 166.9 24.3 36.5#
84 123.1 60.4 90.6#

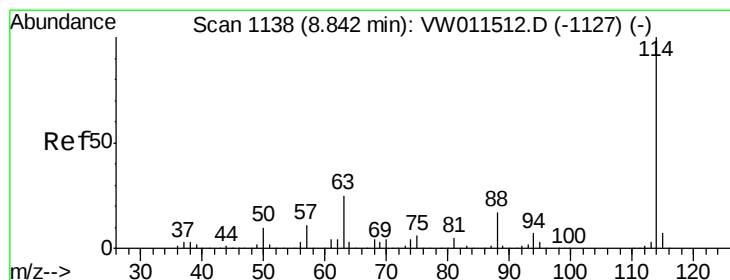
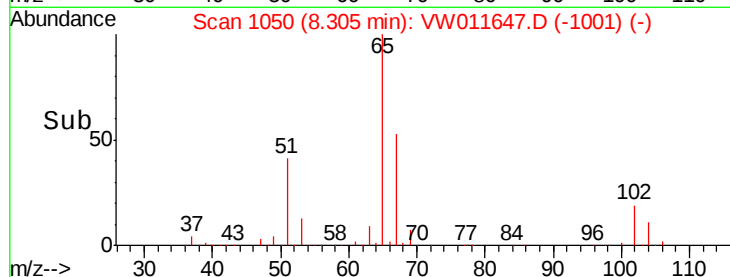
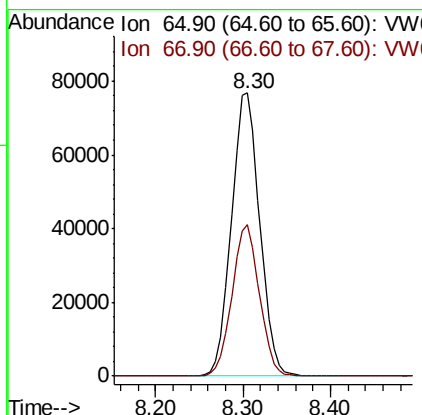
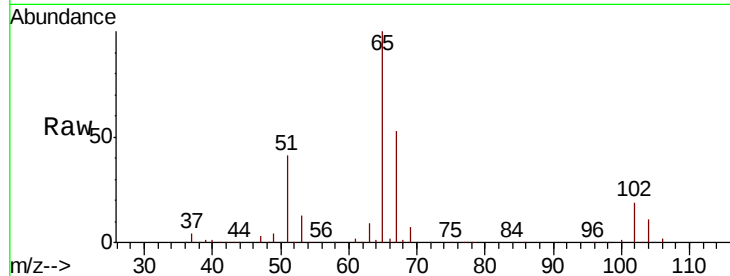




#33
 1,2-Dichloroethane-d4
 Concen: 58.612 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW011647.D
 Acq: 03 Aug 2019 04:18

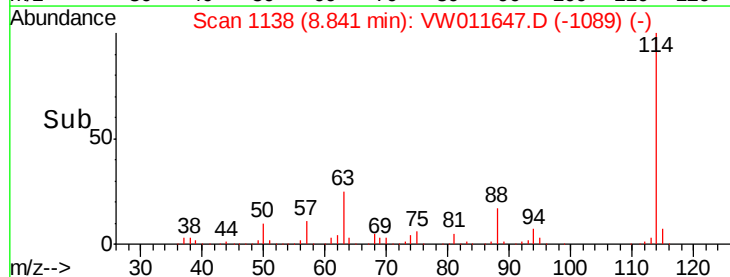
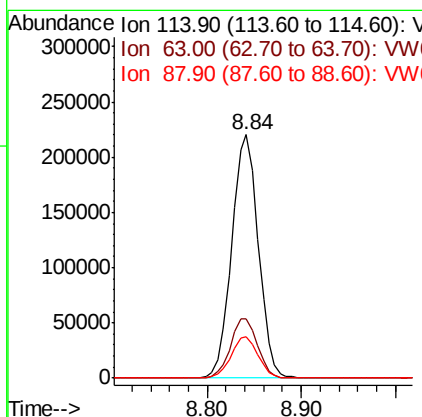
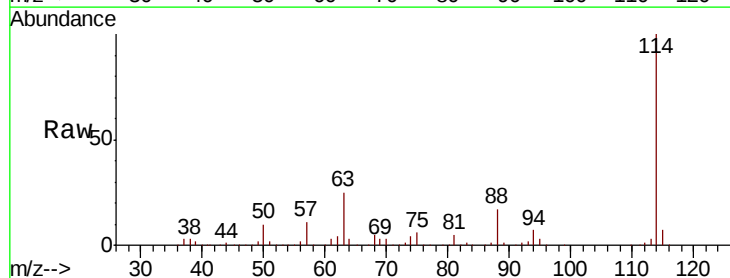
Instrument :
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 ClientSampleId :
 1S-E2-(0-1)

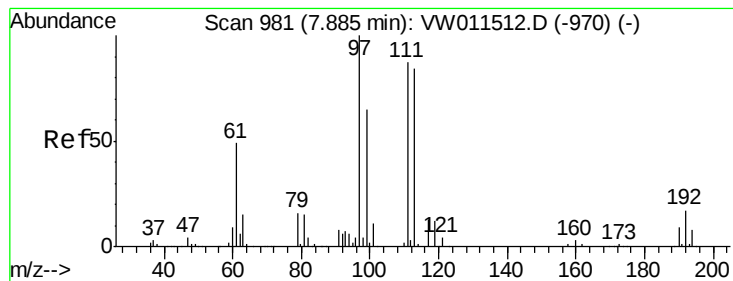
Tgt Ion: 65 Resp: 172536
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW011647.D
 Acq: 03 Aug 2019 04:18

Tgt Ion: 114 Resp: 431876
 Ion Ratio Lower Upper
 114 100
 63 24.6 0.0 49.2
 88 16.9 0.0 33.8





#35

Dibromofluoromethane

Concen: 54.906 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW011647.D

Acq: 03 Aug 2019 04:18

Instrument :

MSVOA_W

ClientSampleId :

1S-E2-(0-1)

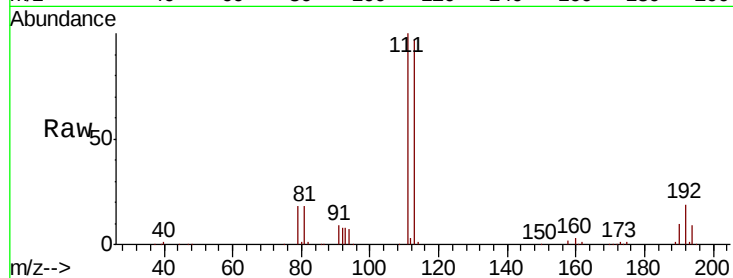
Tgt Ion:113 Resp: 133033

Ion Ratio Lower Upper

113 100

111 104.5 82.7 124.1

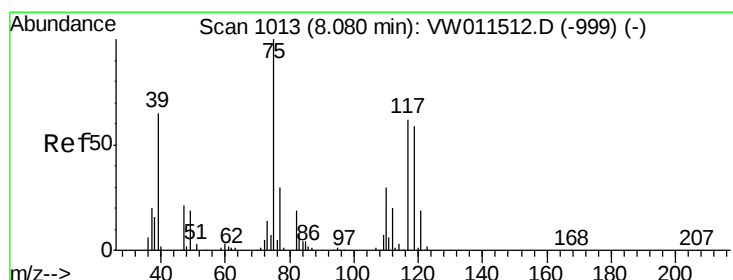
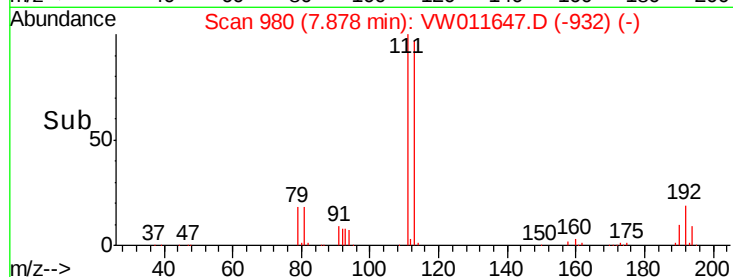
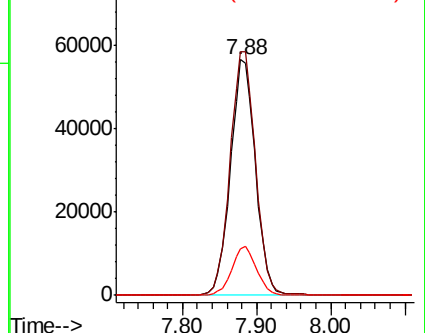
192 20.5 16.1 24.1



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: 4.972 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW011647.D

Acq: 03 Aug 2019 04:18

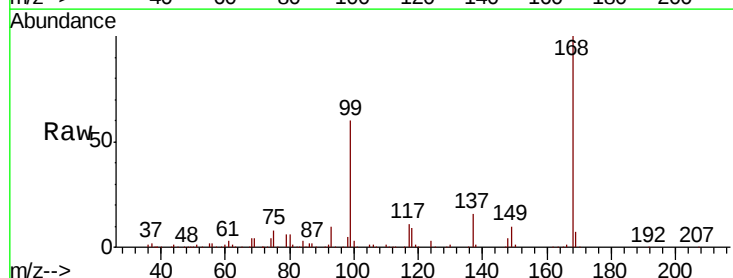
Tgt Ion: 75 Resp: 22330

Ion Ratio Lower Upper

75 100

110 7.2 15.6 46.8#

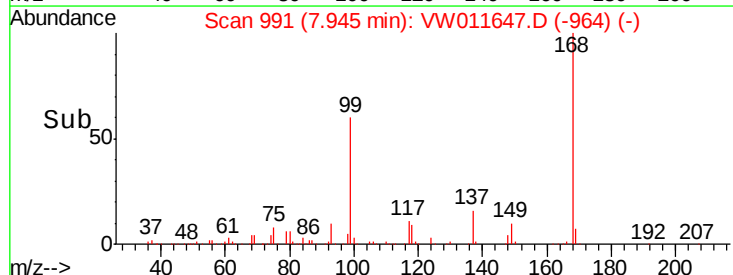
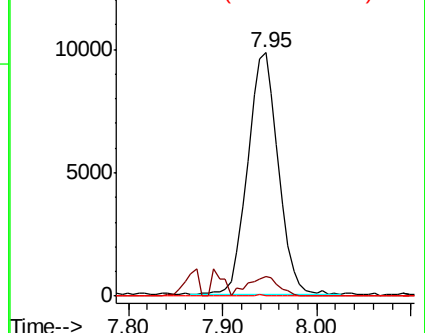
77 0.1 24.3 36.5#

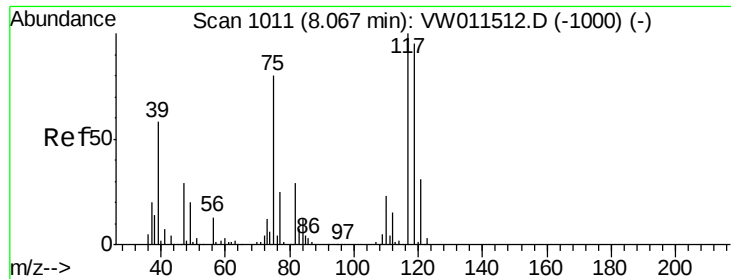


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

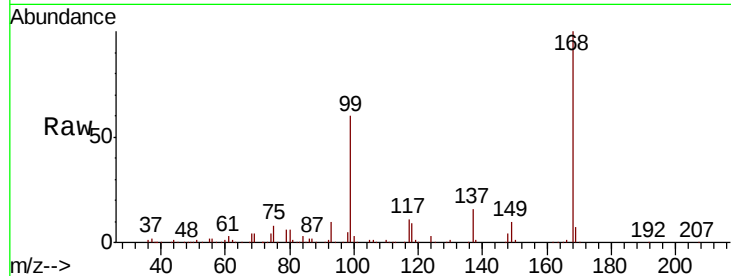




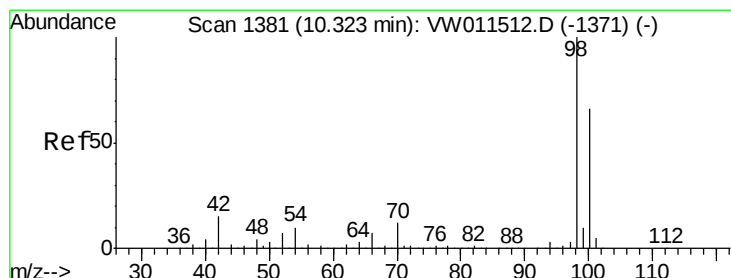
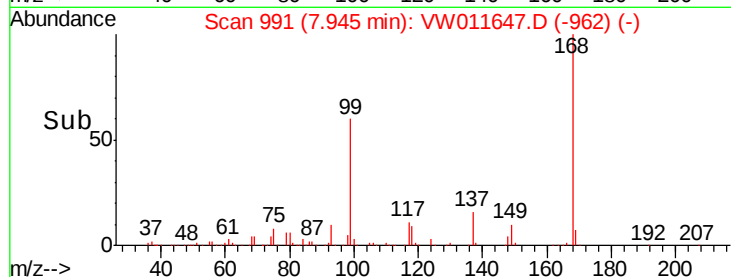
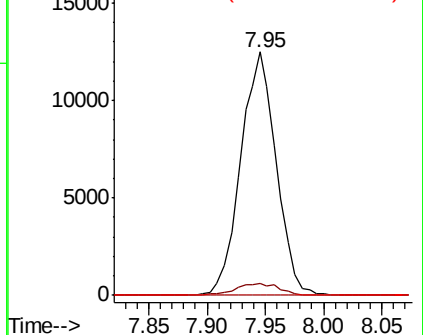
#38
Carbon Tetrachloride
Concen: 6.885 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW011647.D
Acq: 03 Aug 2019 04:18

Instrument :
MSVOA_W
ClientSampled :
1S-E2-(0-1)

Tgt Ion:117 Resp: 26469
Ion Ratio Lower Upper
117 100
119 5.0 75.8 113.6#
121 0.0 24.7 37.1#

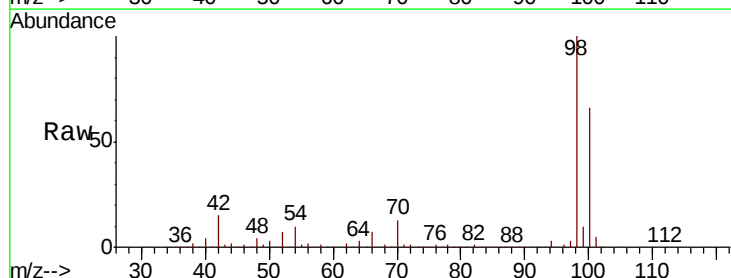


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

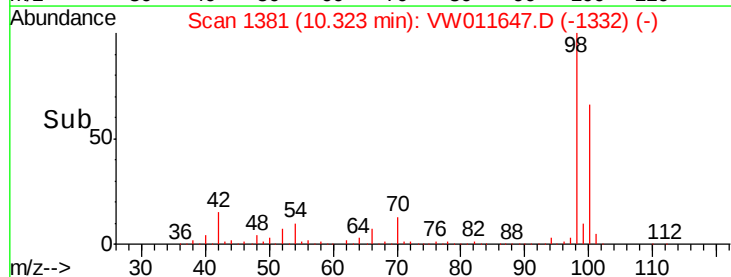
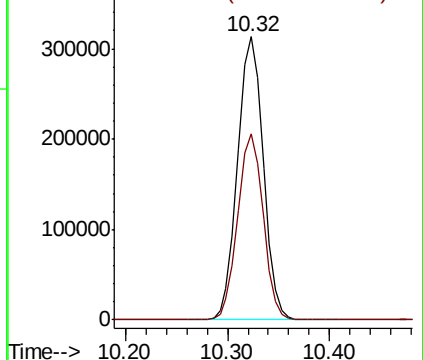


#50
Toluene-d8
Concen: 55.165 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW011647.D
Acq: 03 Aug 2019 04:18

Tgt Ion: 98 Resp: 547237
Ion Ratio Lower Upper
98 100
100 64.8 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): V

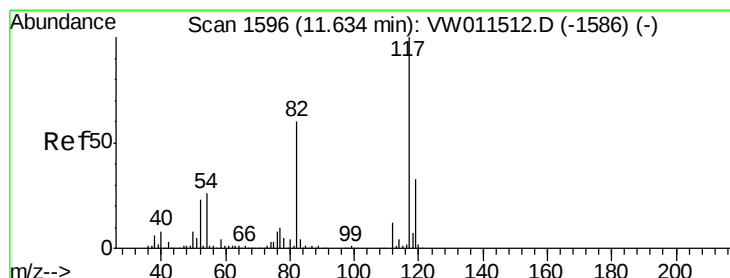
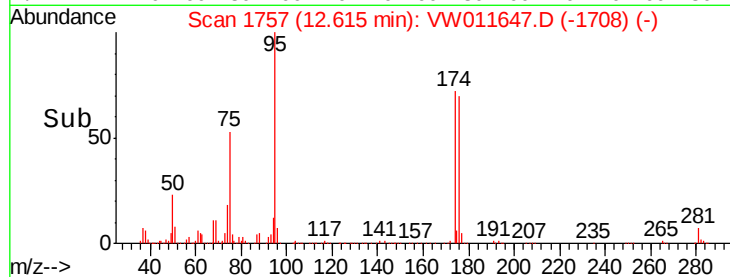
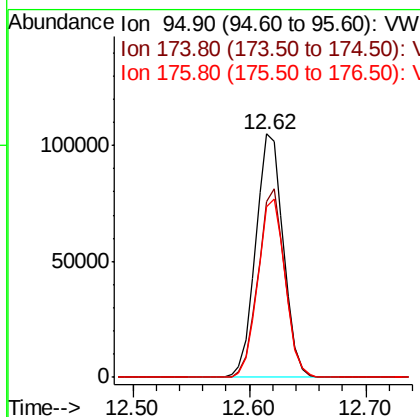
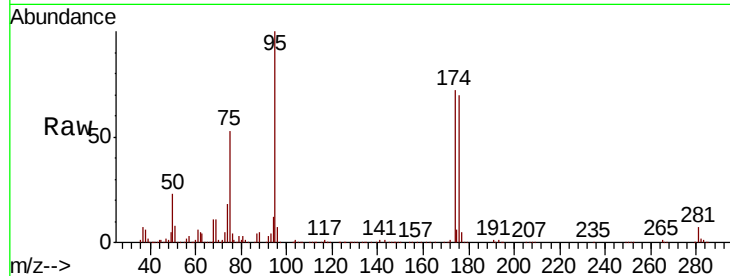




#62
4-Bromofluorobenzene
Concen: 49.127 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW011647.D
Acq: 03 Aug 2019 04:18

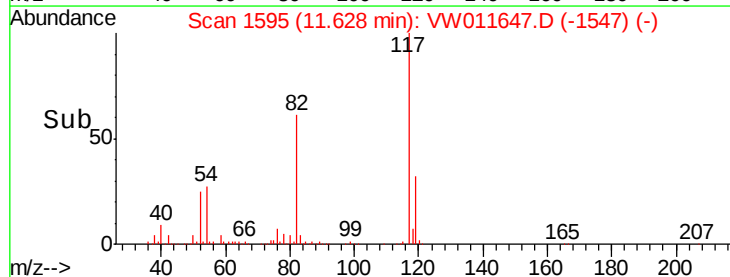
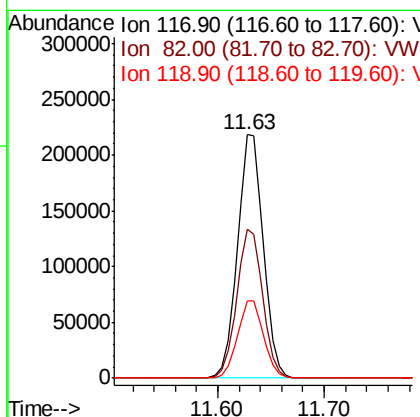
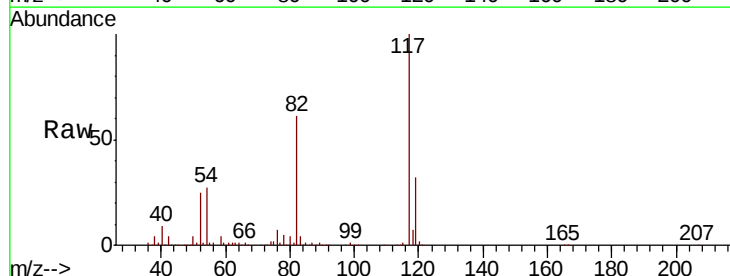
Instrument :
MSVOA_W
ClientSampled :
1S-E2-(0-1)

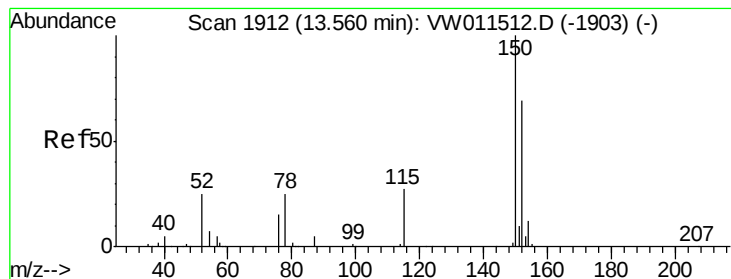
Tgt Ion: 95 Resp: 173746
Ion Ratio Lower Upper
95 100
174 75.0 0.0 150.2
176 72.7 0.0 144.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW011647.D
Acq: 03 Aug 2019 04:18

Tgt Ion: 117 Resp: 371152
Ion Ratio Lower Upper
117 100
82 61.1 47.9 71.9
119 31.6 26.2 39.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW011647.D

Acq: 03 Aug 2019 04:18

Instrument :

MSVOA_W

ClientSampleId :

1S-E2-(0-1)

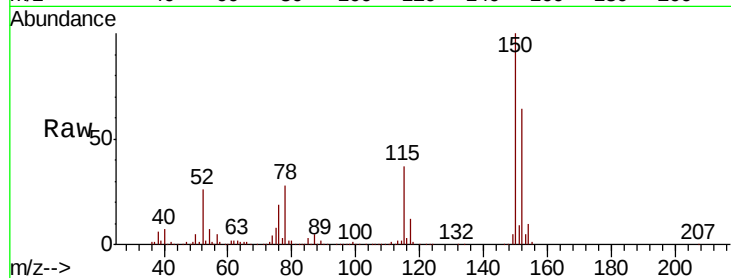
Tgt Ion:152 Resp: 139606

Ion Ratio Lower Upper

152 100

115 60.3 30.5 91.5

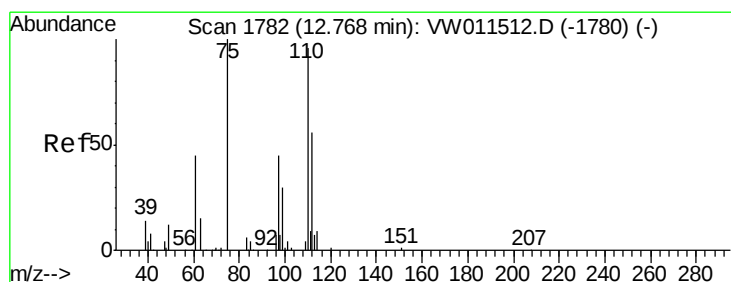
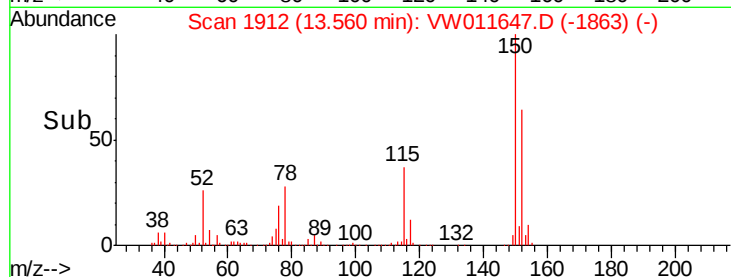
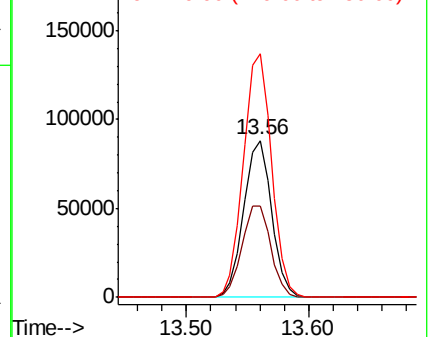
150 156.8 0.0 352.6



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: 62.209 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW011647.D

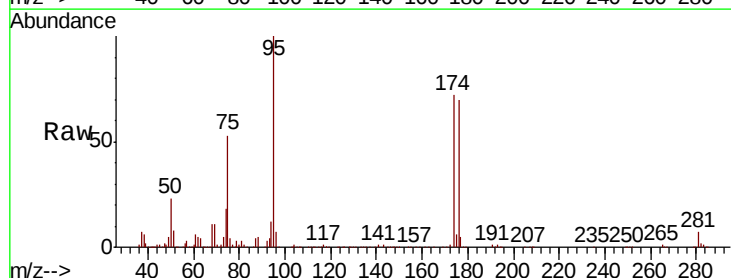
Acq: 03 Aug 2019 04:18

Tgt Ion: 75 Resp: 91894

Ion Ratio Lower Upper

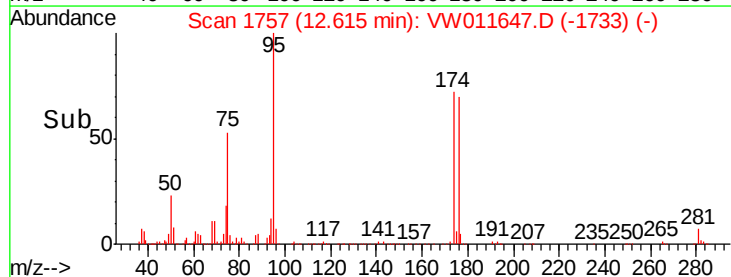
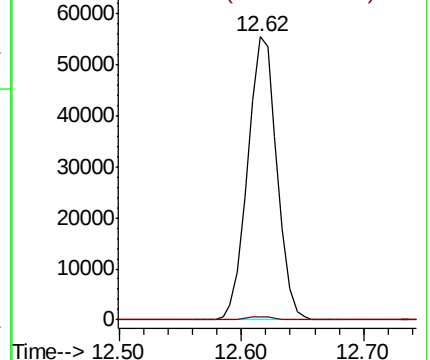
75 100

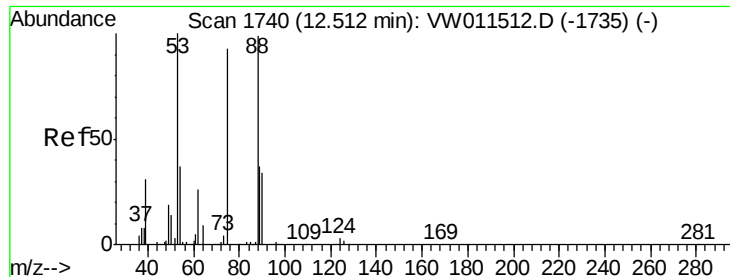
77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#81

trans-1,4-Dichloro-2-butene

Concen: 143.369 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW011647.D

Acq: 03 Aug 2019 04:18

Instrument :

MSVOA_W

ClientSampleId :

1S-E2-(0-1)

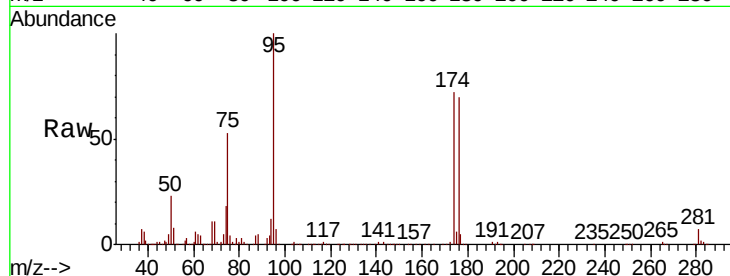
Tgt Ion: 75 Resp: 91894

Ion Ratio Lower Upper

75 100

53 0.2 88.0 132.0#

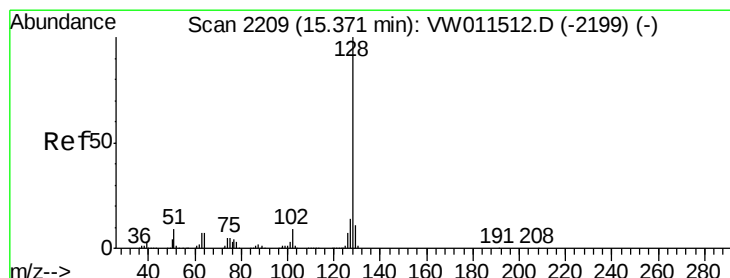
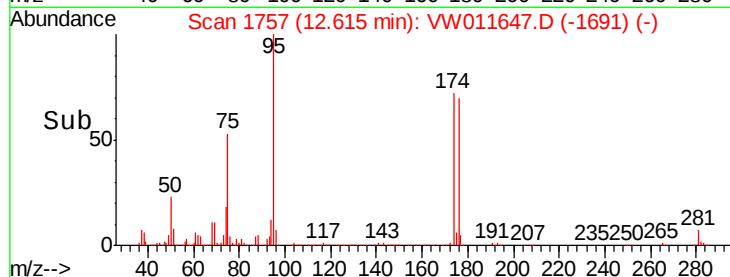
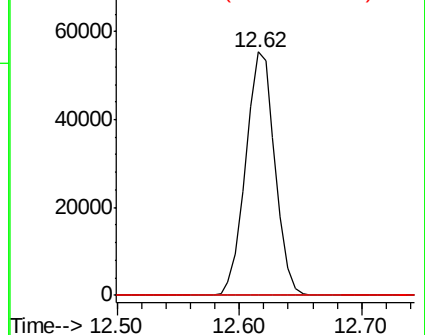
89 0.0 35.3 52.9#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW



#95

Naphthalene

Concen: 2.132 ug/l

RT: 15.36 min Scan# 2207

Delta R.T. -0.01 min

Lab File: VW011647.D

Acq: 03 Aug 2019 04:18

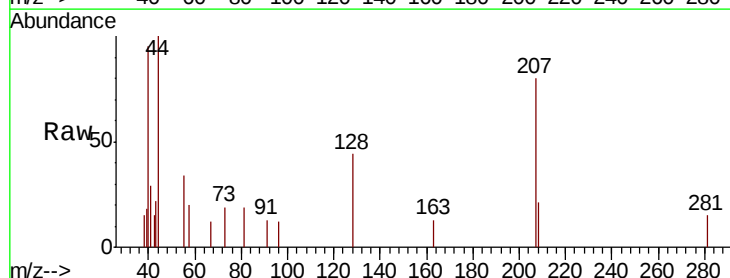
Tgt Ion: 128 Resp: 380

Ion Ratio Lower Upper

128 100

127 0.0 10.6 16.0#

129 0.0 8.6 13.0#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

