

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082019\
 Data File : VW012041.D
 Acq On : 20 Aug 2019 20:30
 Operator : SY/VA
 Sample : K4387-04
 Misc : 6.46G/5ML/MSVOA_W/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 T6-C-(0)

Quant Time: Aug 21 01:36:17 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	240847	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	396332	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	314713	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	106207	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	148849	53.82	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.64%	
35) Dibromofluoromethane	7.88	113	120444	54.17	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.34%	
50) Toluene-d8	10.32	98	477458	52.45	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.90%	
62) 4-Bromofluorobenzene	12.62	95	141409	43.57	ug/l	0.00
Spiked Amount 50.000			Recovery	=	87.14%	

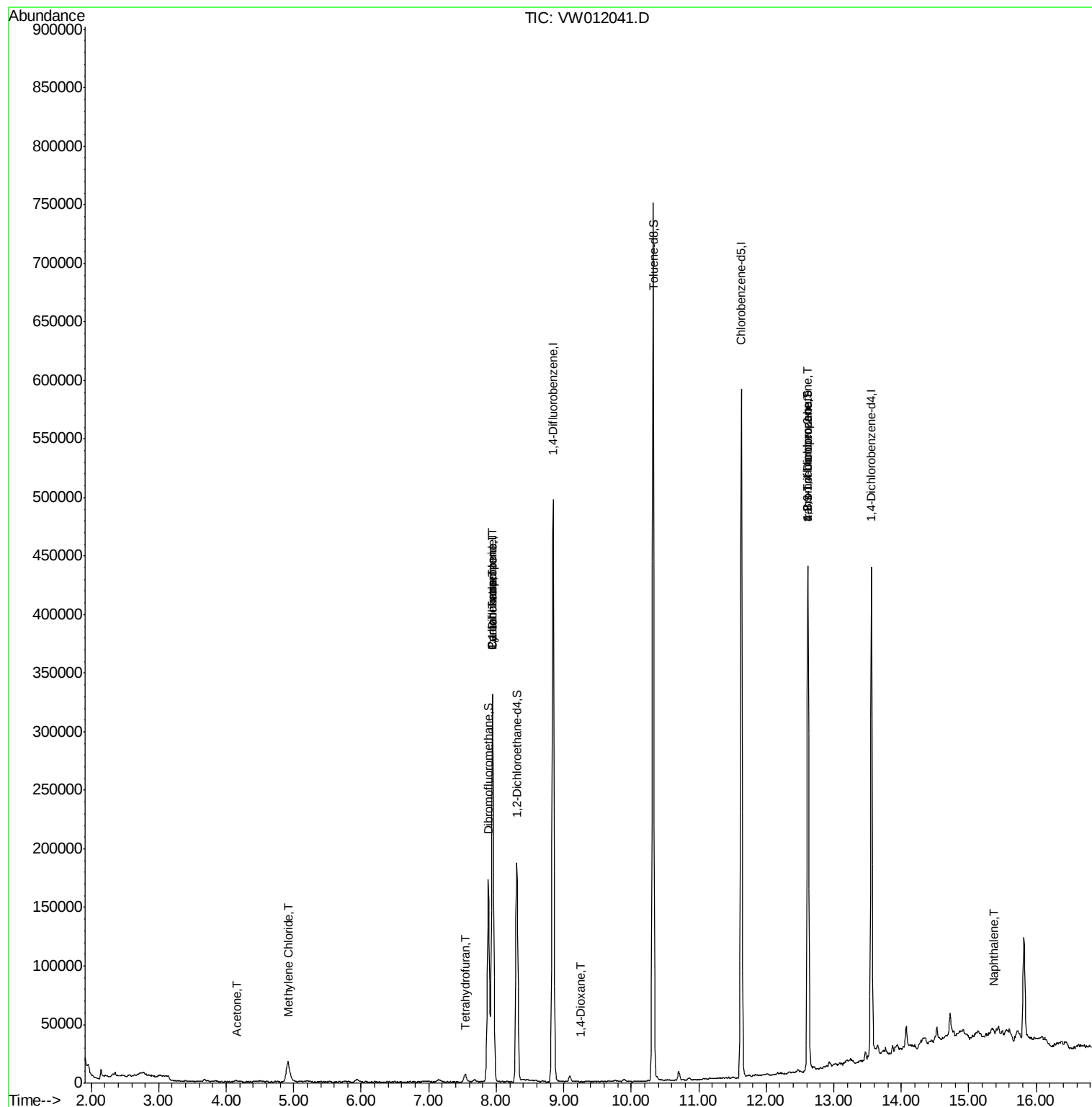
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.21	59	1556	Below Cal	#	79
16) Acetone	4.15	43	2092	2.378	ug/l #	88
20) Methylene Chloride	4.92	84	13362	4.404	ug/l	96
29) Tetrahydrofuran	7.53	42	5934	9.018	ug/l	98
31) Cyclohexane	7.95	56	5654	1.093	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	19702	4.781	ug/l #	52
38) Carbon Tetrachloride	7.95	117	23889	6.771	ug/l #	17
49) 1,4-Dioxane	9.25	88	22	1.078	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	74631	66.410	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	74631	153.052	ug/l #	6
95) Naphthalene	15.38	128	585	2.200	ug/l #	84

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
Quant Title : SW846 8260
QLast Update : Sat Jul 27 00:23:30 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW012041.D

Acq: 20 Aug 2019 20:30

Instrument :

MSVOA_W

ClientSampled :

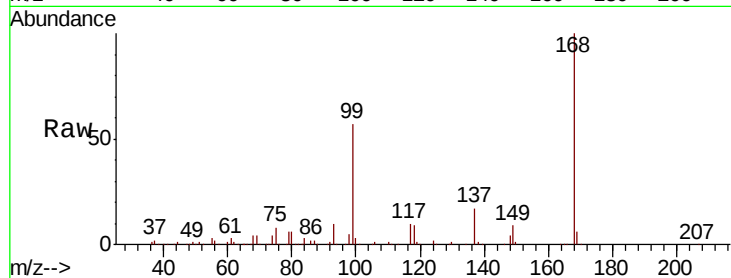
T6-C-(0)

Tgt Ion:168 Resp: 240847

Ion Ratio Lower Upper

168 100

99 57.2 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

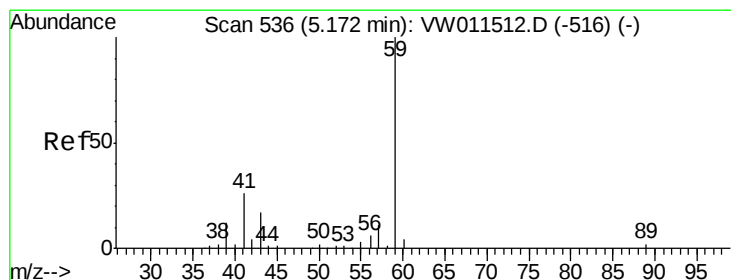
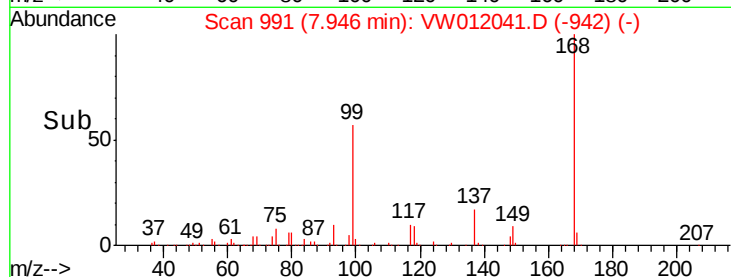
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.21 min Scan# 542

Delta R.T. 0.04 min

Lab File: VW012041.D

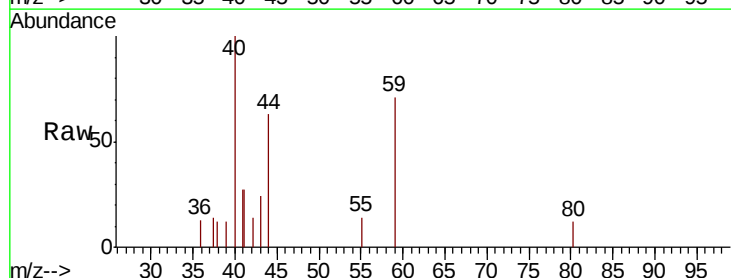
Acq: 20 Aug 2019 20:30

Tgt Ion: 59 Resp: 1556

Ion Ratio Lower Upper

59 100

57 2.7 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.21

400

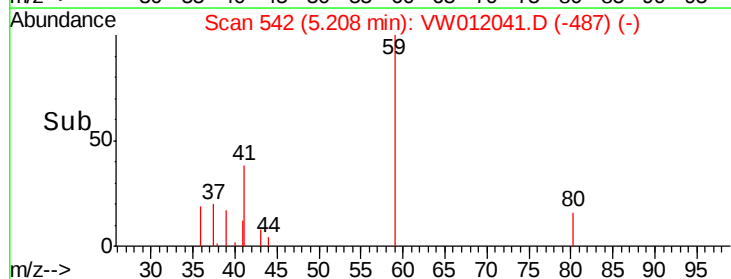
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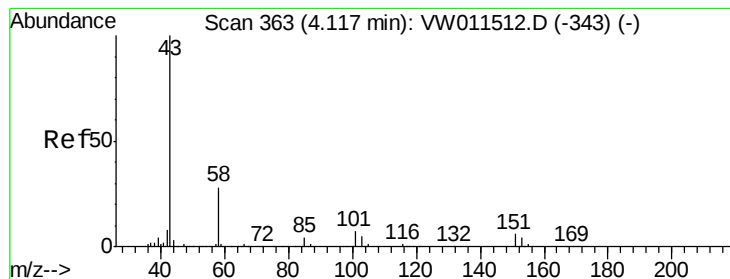
200

100

0

Time-->





#16

Acetone

Concen: 2.378 ug/l

RT: 4.15 min Scan# 368

Delta R.T. 0.03 min

Lab File: VW012041.D

Acq: 20 Aug 2019 20:30

Instrument :

MSVOA_W

ClientSampleId :

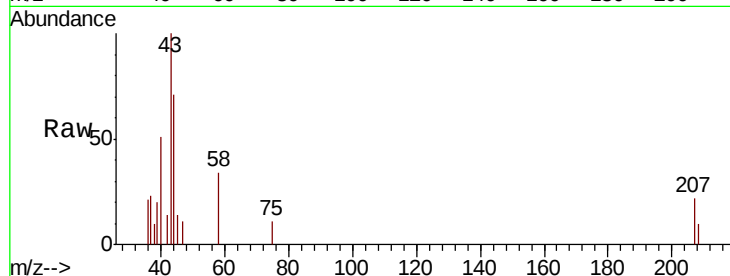
T6-C-(0)

Tgt Ion: 43 Resp: 2092

Ion Ratio Lower Upper

43 100

58 34.3 22.3 33.5#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

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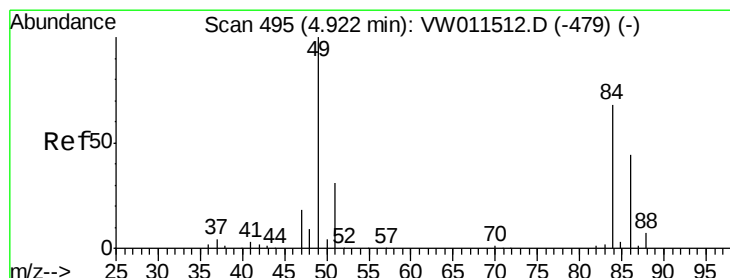
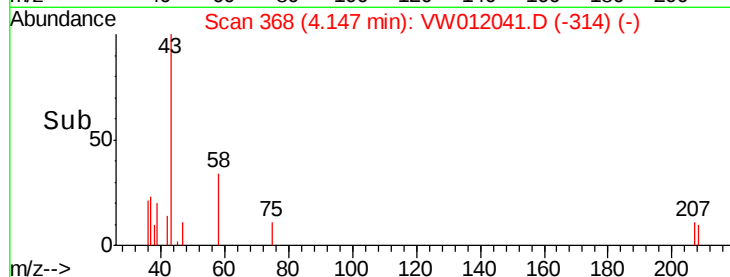
4.15

4.15

4.15

4.15

4.15



#20

Methylene Chloride

Concen: 4.404 ug/l

RT: 4.92 min Scan# 494

Delta R.T. -0.01 min

Lab File: VW012041.D

Acq: 20 Aug 2019 20:30

Tgt Ion: 84 Resp: 13362

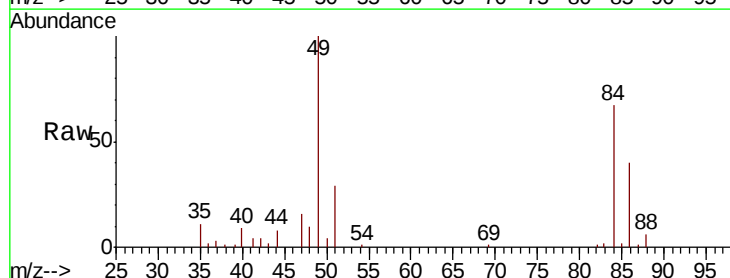
Ion Ratio Lower Upper

84 100

49 150.1 117.8 176.6

51 43.5 37.0 55.4

86 59.3 51.8 77.8



Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW

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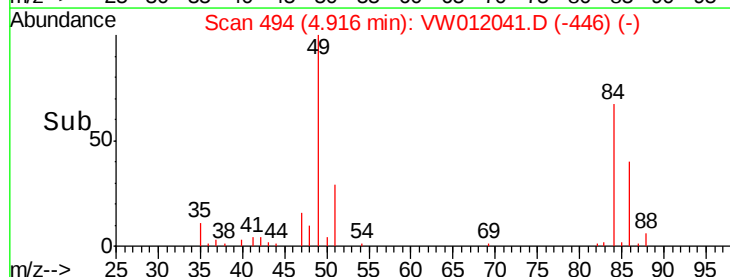
4.92

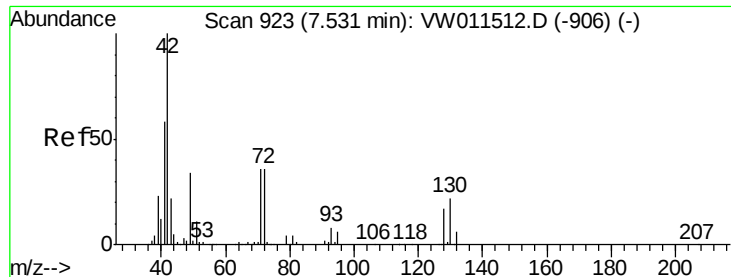
4.92

4.92

4.92

4.92

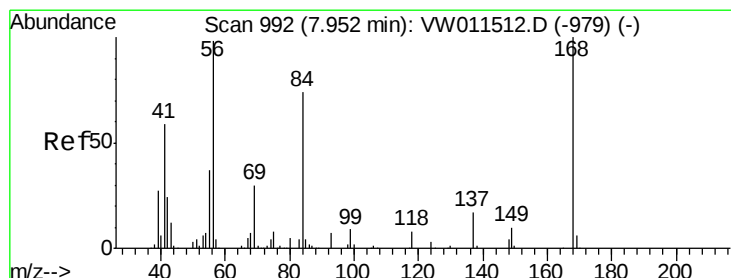
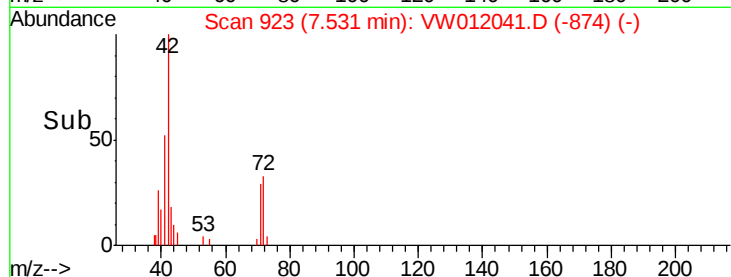
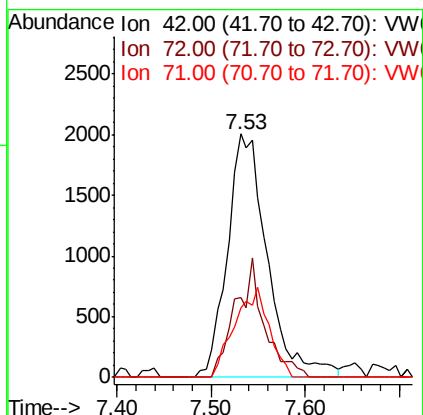
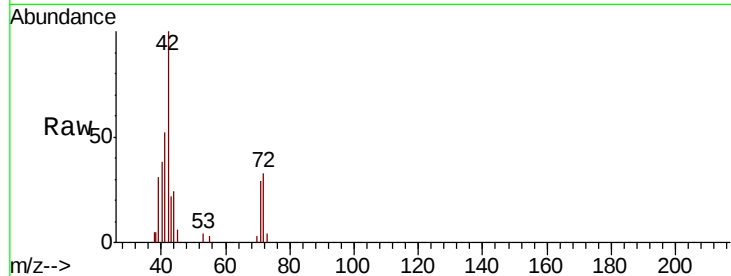




#29
Tetrahydrofuran
Concen: 9.018 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW012041.D
Acq: 20 Aug 2019 20:30

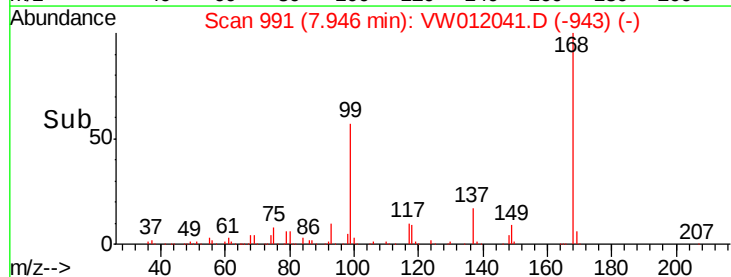
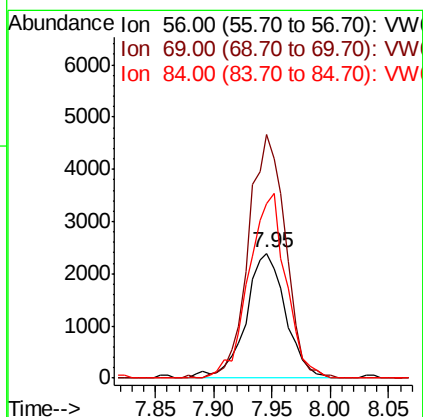
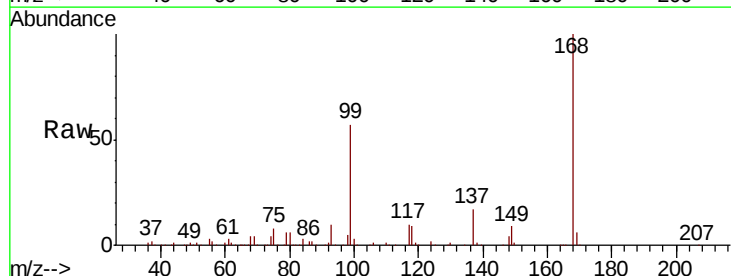
Instrument :
MSVOA_W
ClientSampled :
T6-C-(0)

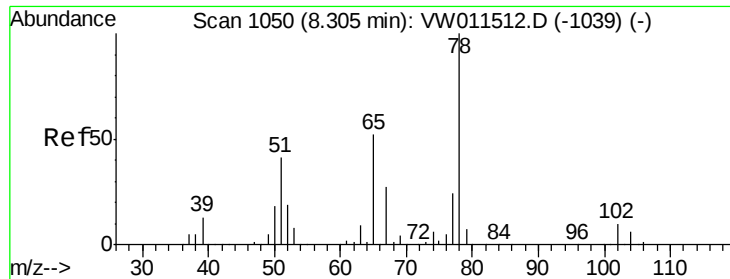
Tgt Ion: 42 Resp: 5934
Ion Ratio Lower Upper
42 100
72 35.5 27.1 40.7
71 31.7 26.2 39.4



#31
Cyclohexane
Concen: 1.093 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW012041.D
Acq: 20 Aug 2019 20:30

Tgt Ion: 56 Resp: 5654
Ion Ratio Lower Upper
56 100
69 194.6 24.3 36.5#
84 139.7 60.4 90.6#

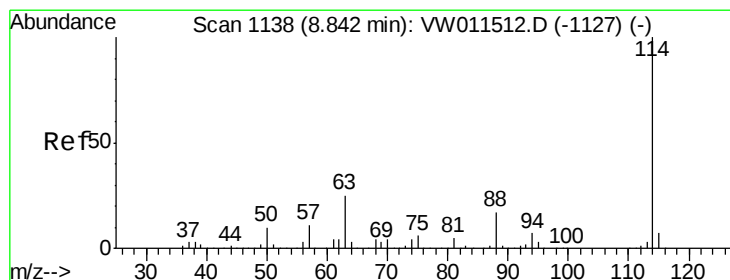
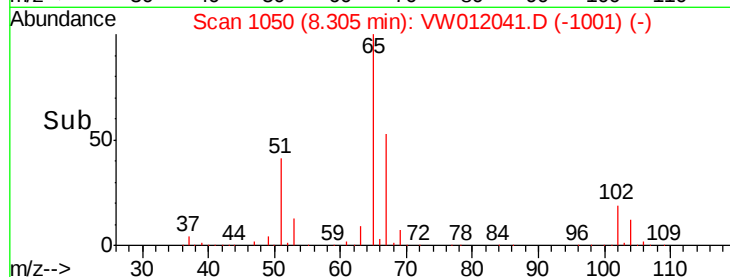
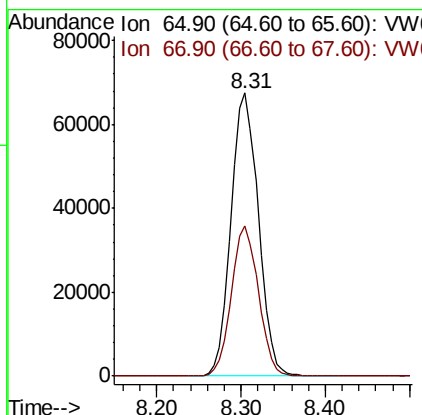
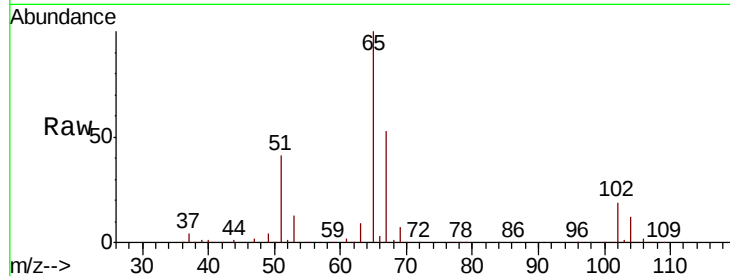




#33
 1,2-Dichloroethane-d4
 Concen: 53.822 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW012041.D
 Acq: 20 Aug 2019 20:30

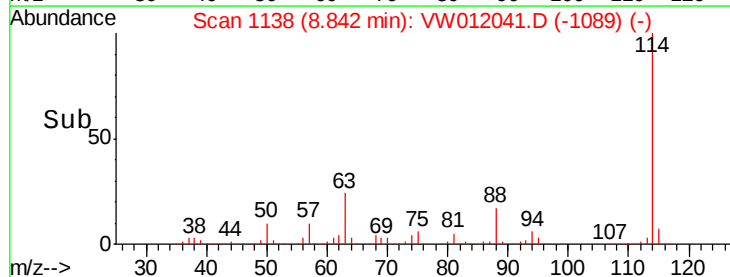
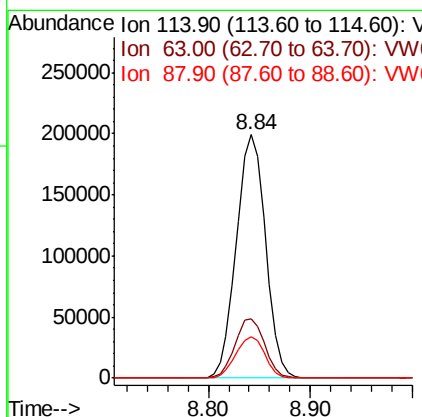
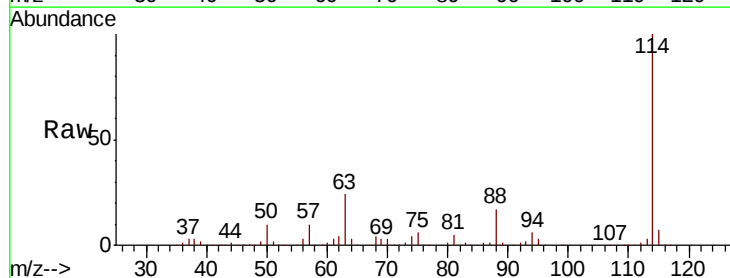
Instrument :
 MSVOA_W
 ClientSampleId :
 T6-C-(0)

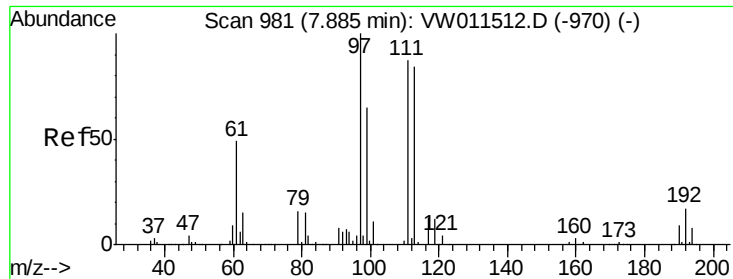
Tgt Ion: 65 Resp: 148849
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW012041.D
 Acq: 20 Aug 2019 20:30

Tgt Ion: 114 Resp: 396332
 Ion Ratio Lower Upper
 114 100
 63 24.3 0.0 49.2
 88 17.2 0.0 33.8

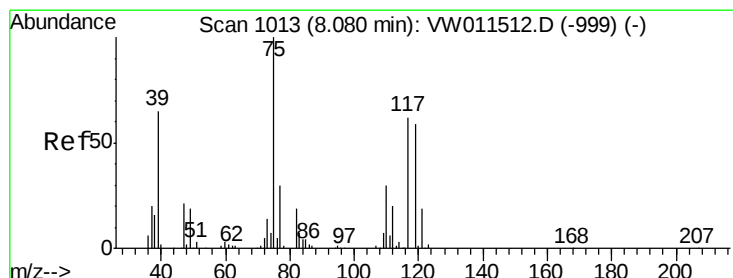
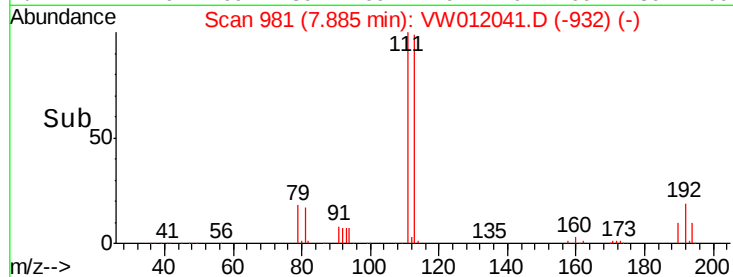
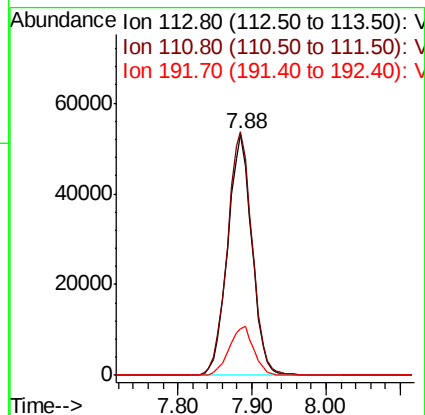
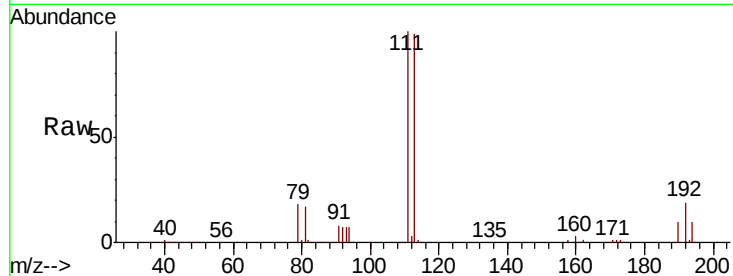




#35
 Dibromofluoromethane
 Concen: 54.169 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW012041.D
 Acq: 20 Aug 2019 20:30

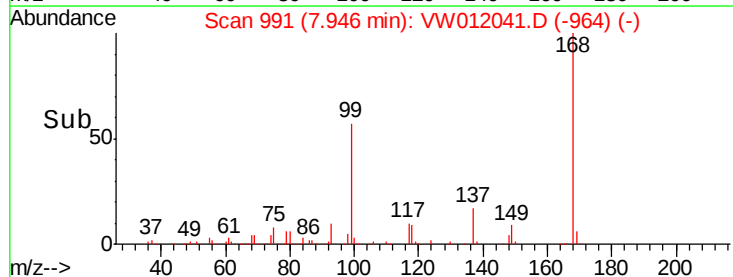
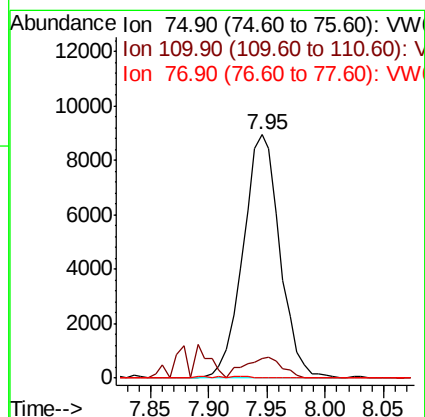
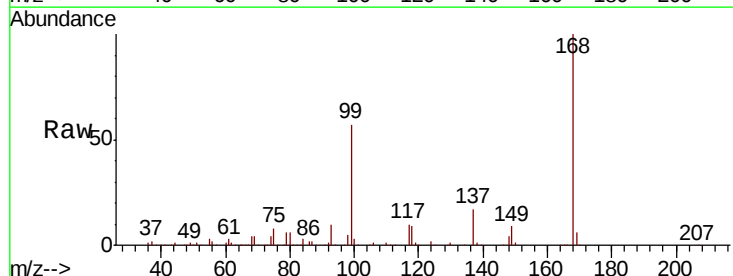
Instrument :
 MSVOA_W
 ClientSampleId :
 T6-C-(0)

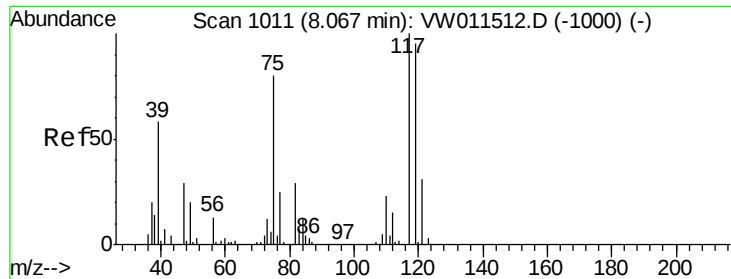
Tgt Ion:113 Resp: 120444
 Ion Ratio Lower Upper
 113 100
 111 103.9 82.7 124.1
 192 20.6 16.1 24.1



#36
 1,1-Dichloropropene
 Concen: 4.781 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012041.D
 Acq: 20 Aug 2019 20:30

Tgt Ion: 75 Resp: 19702
 Ion Ratio Lower Upper
 75 100
 110 8.8 15.6 46.8#
 77 0.0 24.3 36.5#





#38

Carbon Tetrachloride

Concen: 6.771 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW012041.D

Acq: 20 Aug 2019 20:30

Instrument :

MSVOA_W

ClientSampleId :

T6-C-(0)

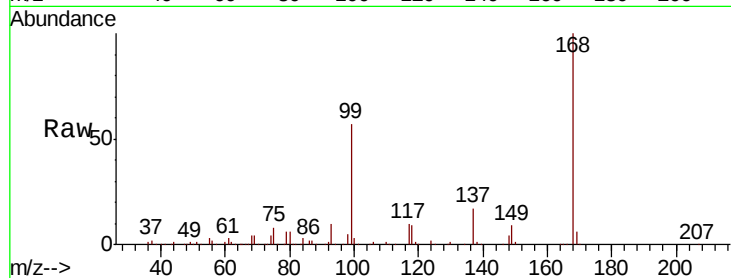
Tgt Ion:117 Resp: 23889

Ion Ratio Lower Upper

117 100

119 5.9 75.8 113.6#

121 0.0 24.7 37.1#

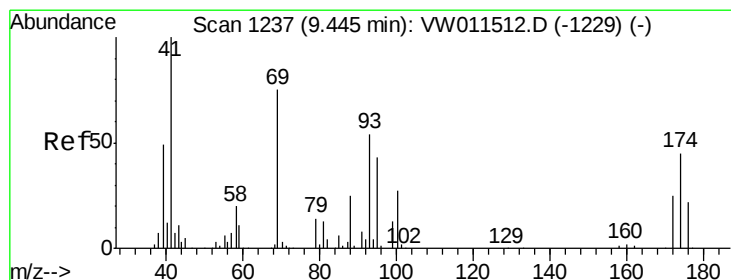
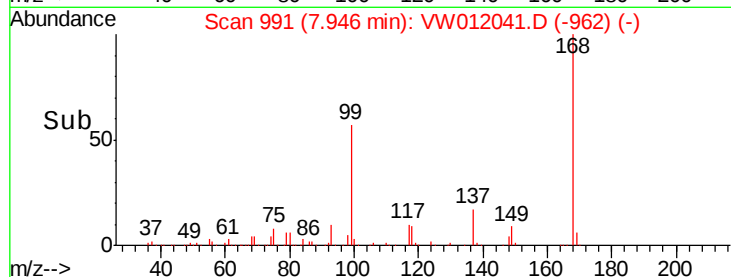
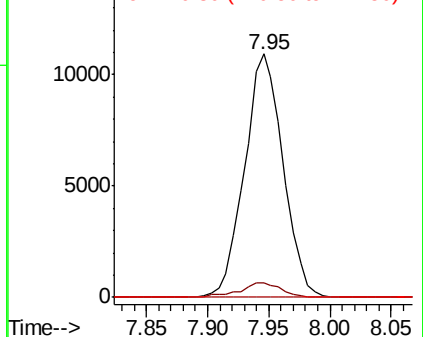


Abundance

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



#49

1,4-Dioxane

Concen: 1.078 ug/l

RT: 9.25 min Scan# 1205

Delta R.T. -0.20 min

Lab File: VW012041.D

Acq: 20 Aug 2019 20:30

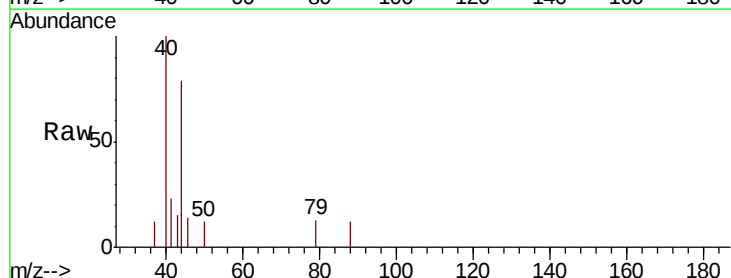
Tgt Ion: 88 Resp: 22

Ion Ratio Lower Upper

88 100

43 372.7 34.0 51.0#

58 0.0 69.7 104.5#

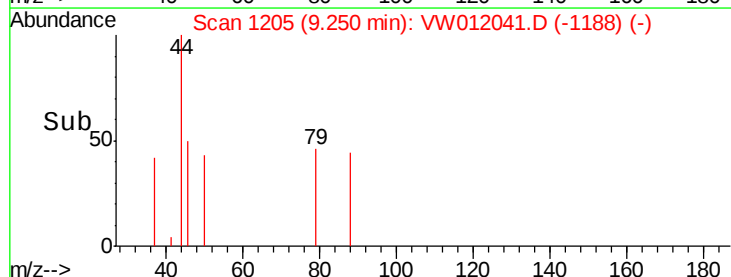
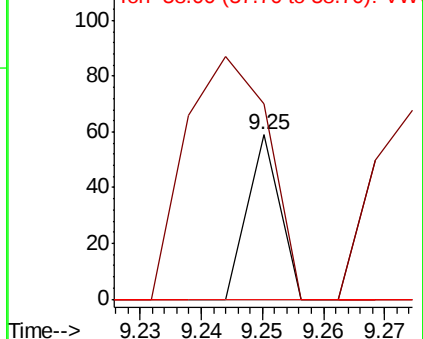


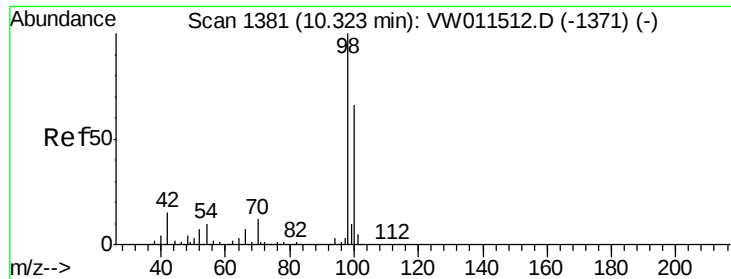
Abundance

Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

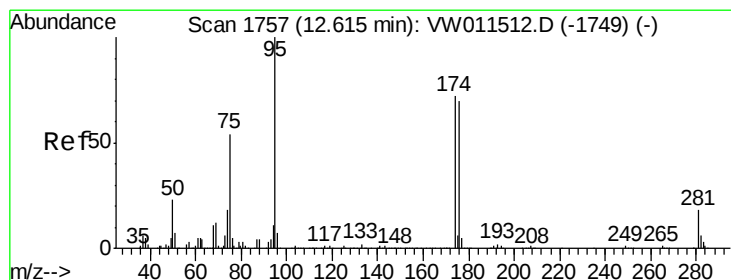
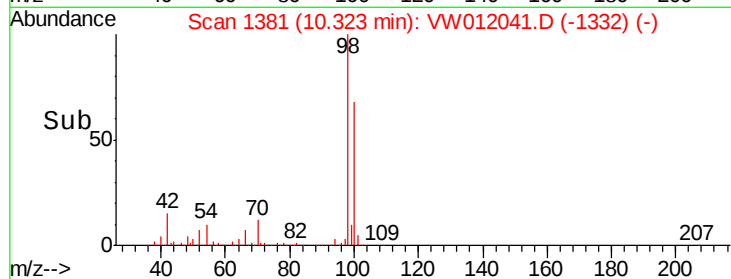
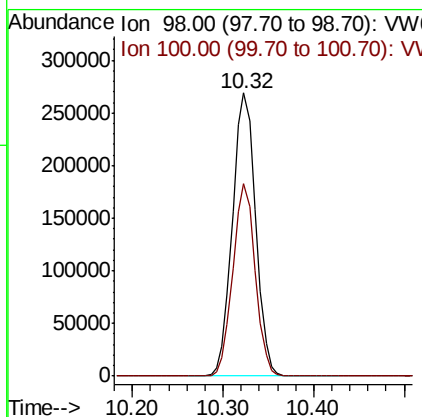
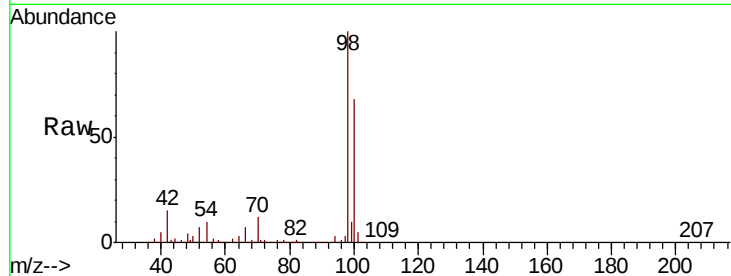




#50
Toluene-d8
Concen: 52.447 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW012041.D
Acq: 20 Aug 2019 20:30

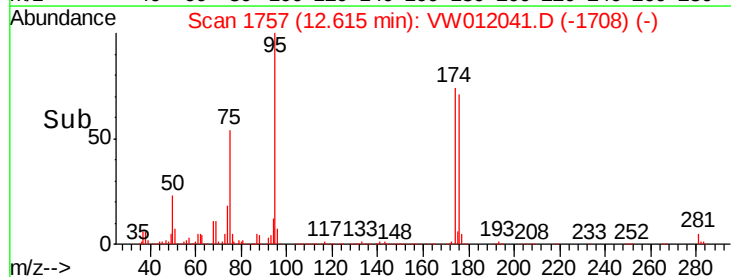
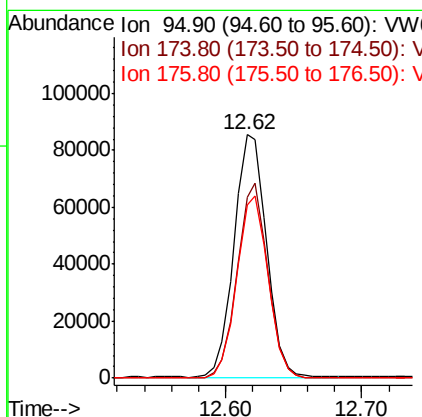
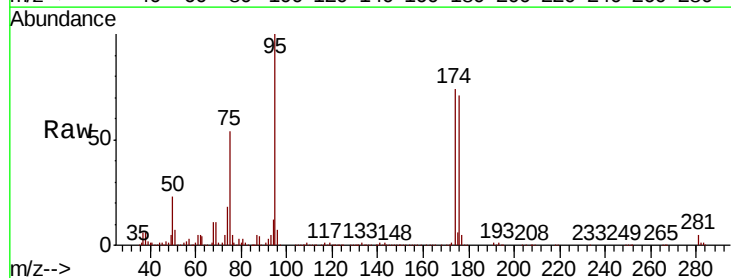
Instrument :
MSVOA_W
ClientSampleId :
T6-C-(0)

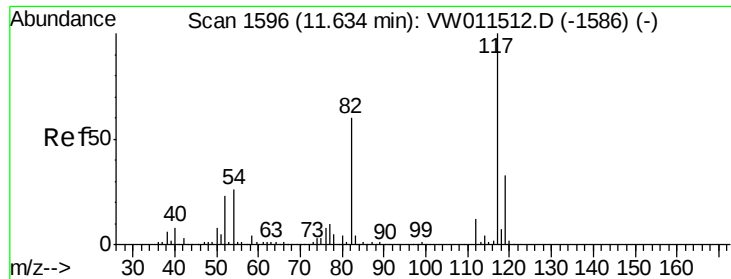
Tgt Ion: 98 Resp: 477458
Ion Ratio Lower Upper
98 100
100 65.7 52.7 79.1



#62
4-Bromofluorobenzene
Concen: 43.569 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VW012041.D
Acq: 20 Aug 2019 20:30

Tgt Ion: 95 Resp: 141409
Ion Ratio Lower Upper
95 100
174 75.6 0.0 150.2
176 73.0 0.0 144.4

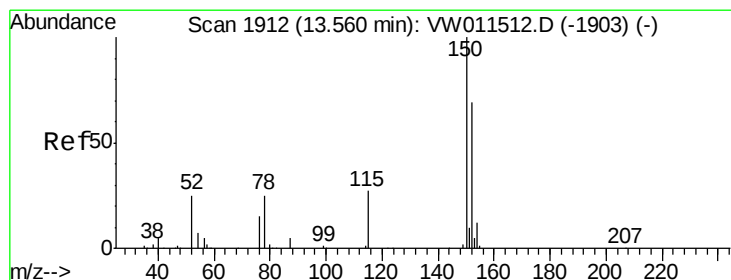
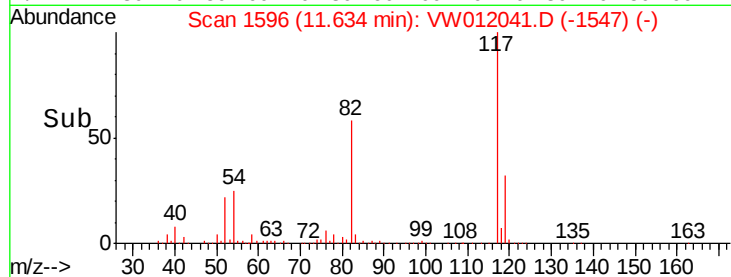
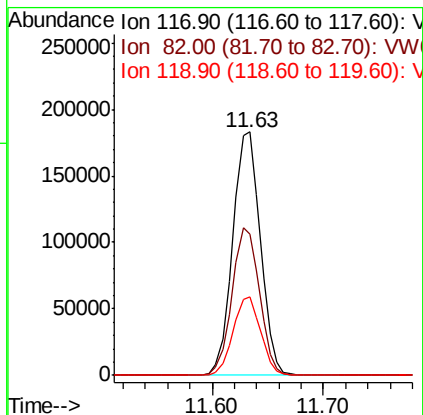
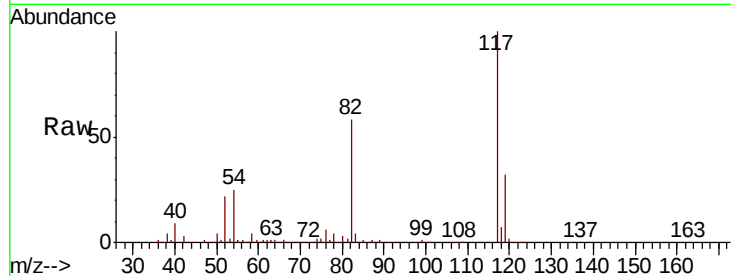




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW012041.D
Acq: 20 Aug 2019 20:30

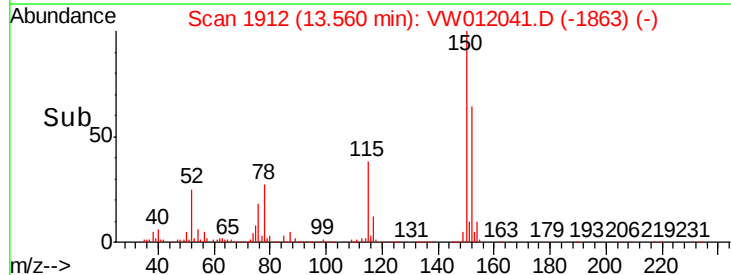
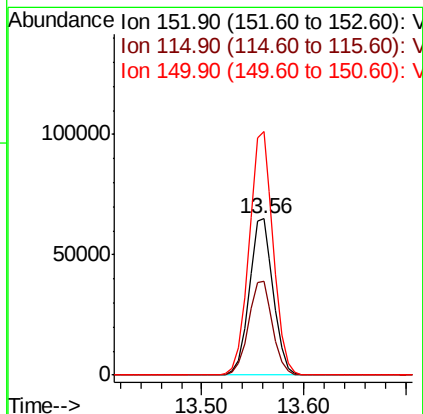
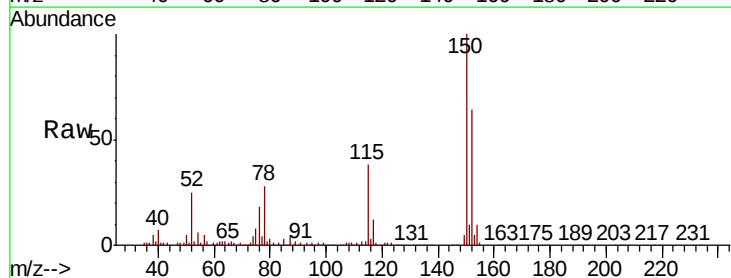
Instrument :
MSVOA_W
ClientSampled :
T6-C-(0)

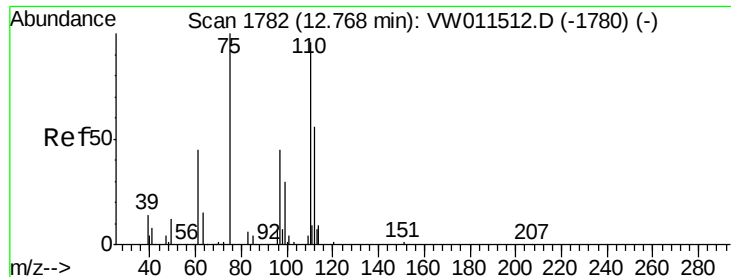
Tgt Ion:117 Resp: 314713
Ion Ratio Lower Upper
117 100
82 58.1 47.9 71.9
119 32.1 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW012041.D
Acq: 20 Aug 2019 20:30

Tgt Ion:152 Resp: 106207
Ion Ratio Lower Upper
152 100
115 59.8 30.5 91.5
150 155.8 0.0 352.6





#76

1,2,3-Trichloropropane

Concen: 66.410 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012041.D

Acq: 20 Aug 2019 20:30

Instrument :

MSVOA_W

ClientSampled :

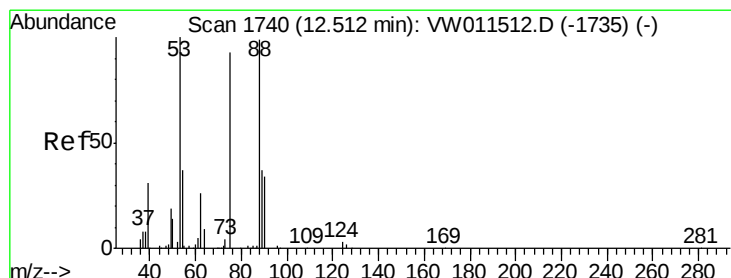
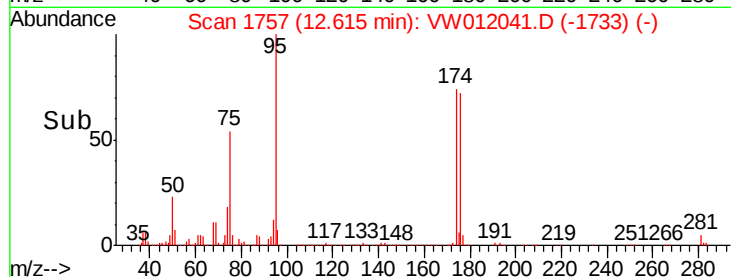
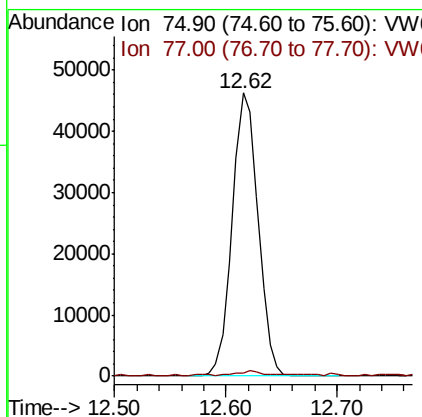
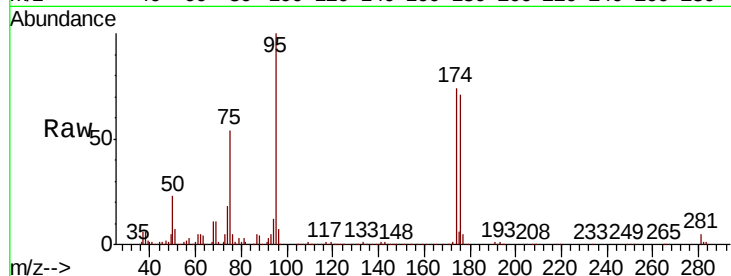
T6-C-(0)

Tgt Ion: 75 Resp: 74631

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 153.052 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012041.D

Acq: 20 Aug 2019 20:30

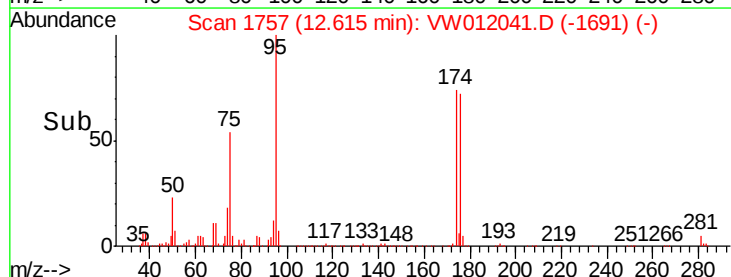
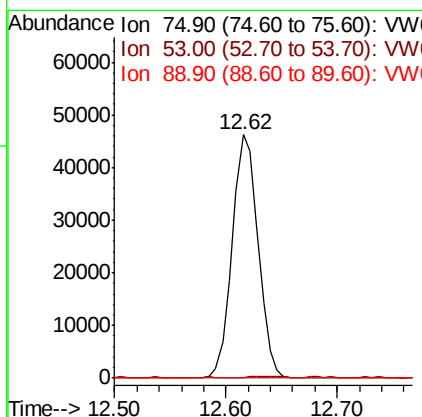
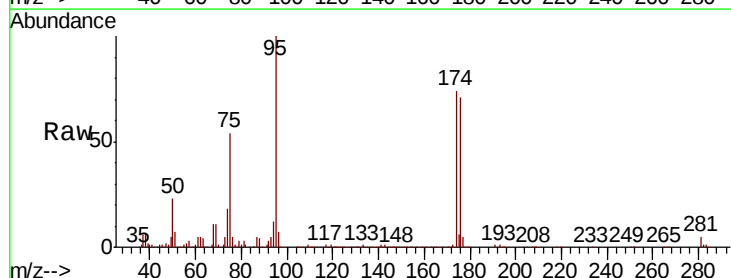
Tgt Ion: 75 Resp: 74631

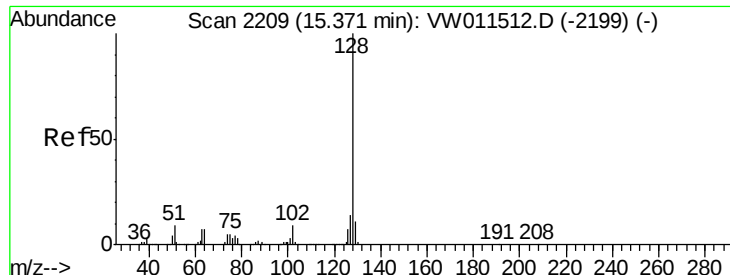
Ion Ratio Lower Upper

75 100

53 0.0 88.0 132.0#

89 0.1 35.3 52.9#

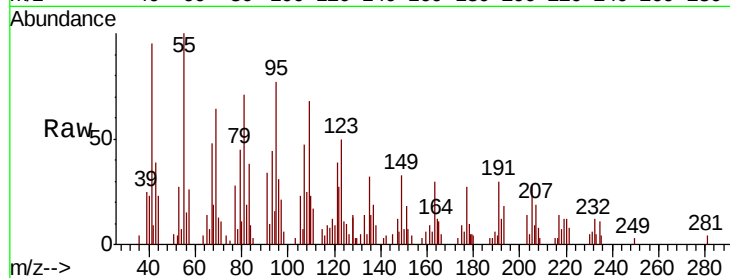




#95
Naphthalene
Concen: 2.200 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.01 min
Lab File: VW012041.D
Acq: 20 Aug 2019 20:30

Instrument :
MSVOA_W
ClientSampleId :
T6-C-(0)

Tgt Ion:128 Resp: 585
Ion Ratio Lower Upper
128 100
127 19.5 10.6 16.0#
129 17.4 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

