

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW080419\
 Data File : VW011677.D
 Acq On : 03 Aug 2019 20:05
 Operator : SY/VA
 Sample : K4152-19
 Misc : 5.28G/5ML/MSVOA_W/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 2S-E3-(30)

Quant Time: Aug 04 01:46:46 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	212774	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	359474	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	295810	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	110394	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	143668	58.80	ug/l	0.00
Spiked Amount 50.000			Recovery	=	117.60%	
35) Dibromofluoromethane	7.88	113	112226	55.65	ug/l	0.00
Spiked Amount 50.000			Recovery	=	111.30%	
50) Toluene-d8	10.32	98	445434	53.95	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.90%	
62) 4-Bromofluorobenzene	12.62	95	135517	46.03	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.06%	

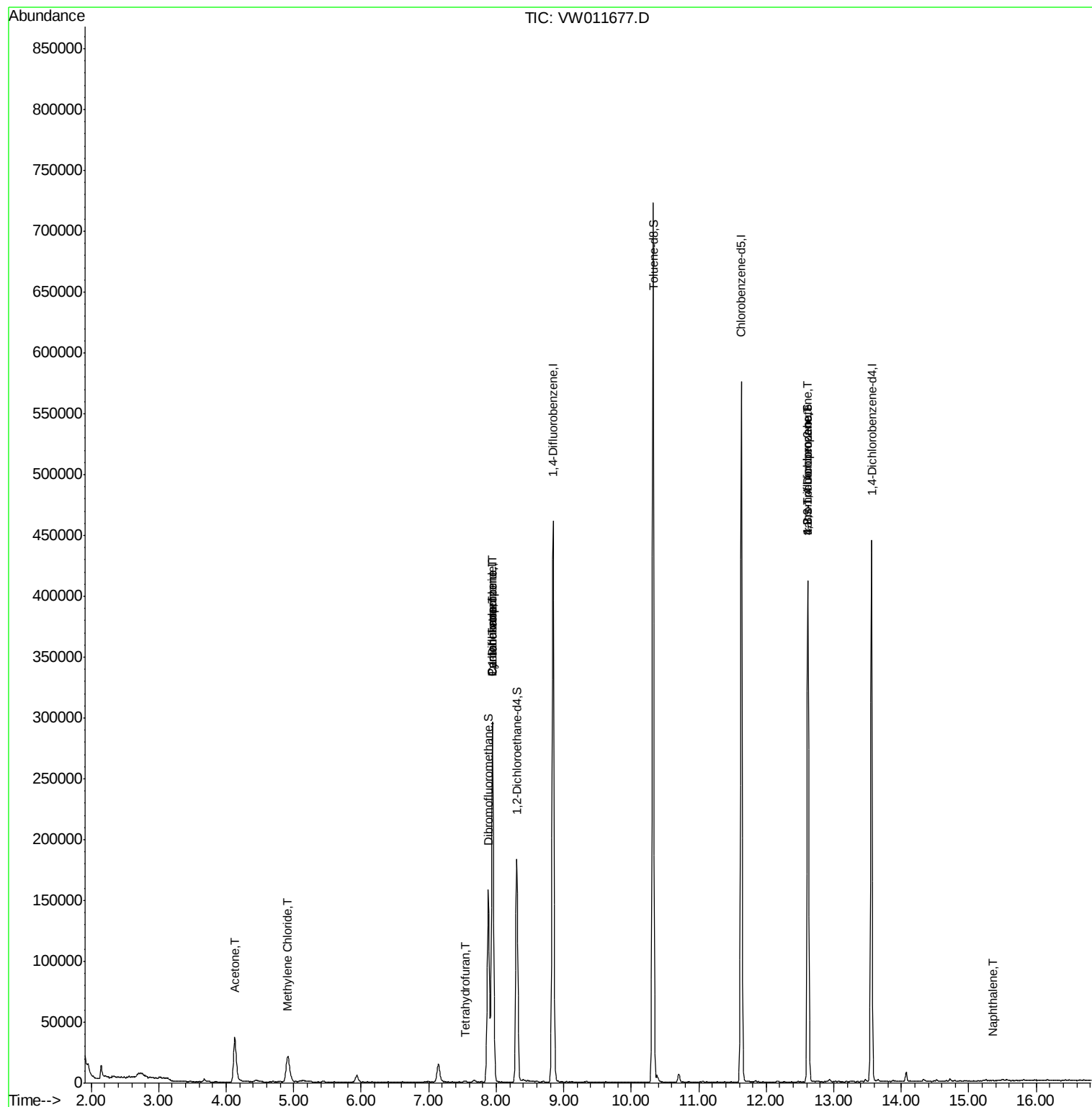
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.20	59	449	Below Cal	#	85
16) Acetone	4.13	43	71920	92.539	ug/l	98
20) Methylene Chloride	4.91	84	17185	6.411	ug/l	96
29) Tetrahydrofuran	7.53	42	693	1.192	ug/l #	52
31) Cyclohexane	7.95	56	5494	1.203	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	18607	4.978	ug/l #	51
38) Carbon Tetrachloride	7.95	117	21815	6.817	ug/l #	17
76) 1,2,3-Trichloropropane	12.62	75	72851	62.367	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	72851	143.735	ug/l #	6
95) Naphthalene	15.36	128	79	2.083	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: VW011677.D

Acq: 03 Aug 2019 20:05

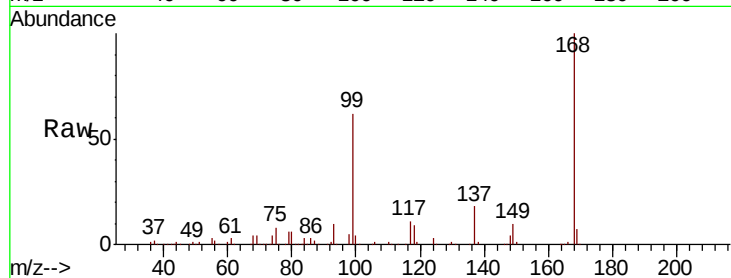
Instrument :
MSVOA_W
ClientSampleId :
2S-E3-(30)

Tgt Ion:168 Resp: 212774

Ion Ratio Lower Upper

168 100

99 61.7 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

100000

80000

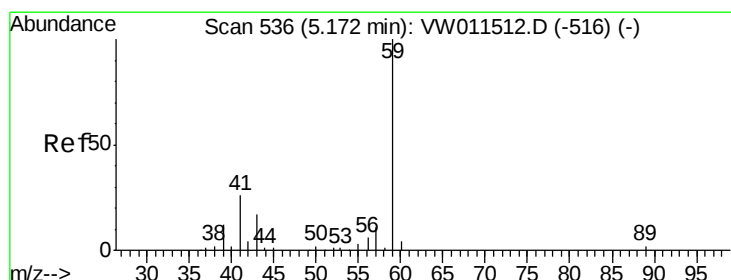
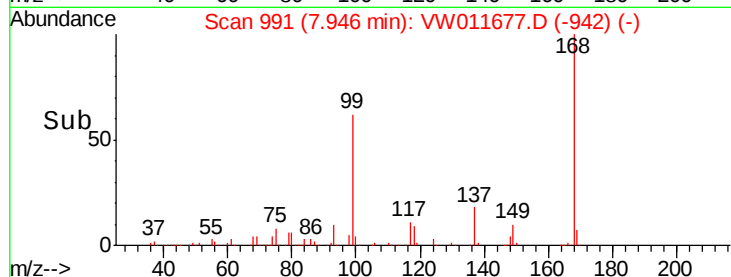
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.20 min Scan# 541

Delta R.T. 0.03 min

Lab File: VW011677.D

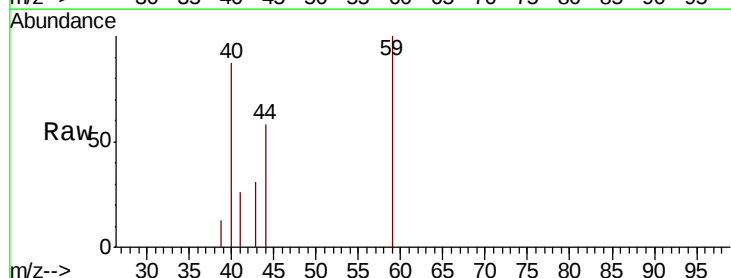
Acq: 03 Aug 2019 20:05

Tgt Ion: 59 Resp: 449

Ion Ratio Lower Upper

59 100

57 5.1 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.20

500

400

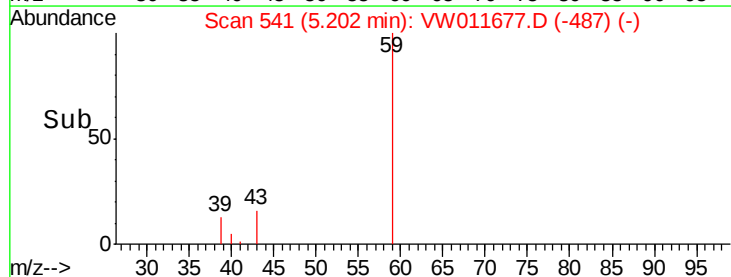
300

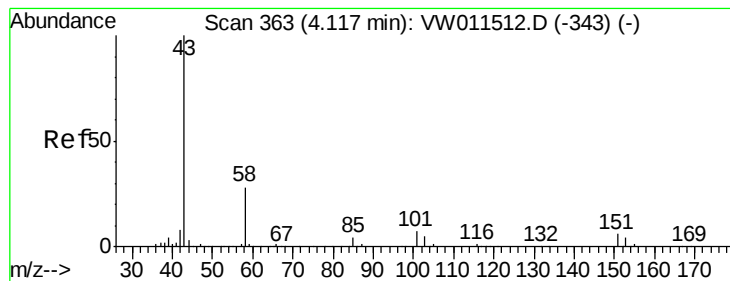
200

100

0

Time--> 5.15 5.20





#16

Acetone

Concen: 92.539 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW011677.D

Acq: 03 Aug 2019 20:05

Instrument :

MSVOA_W

ClientSampled :

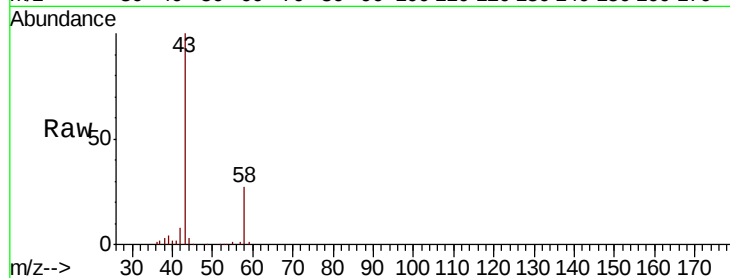
2S-E3-(30)

Tgt Ion: 43 Resp: 71920

Ion Ratio Lower Upper

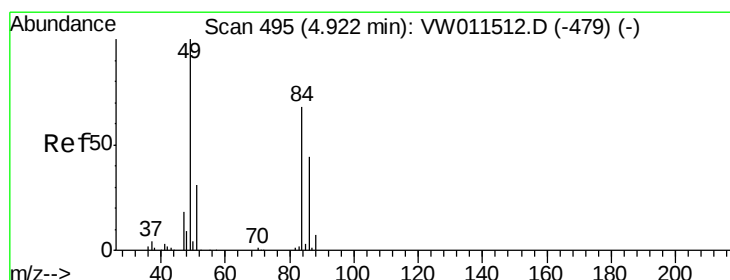
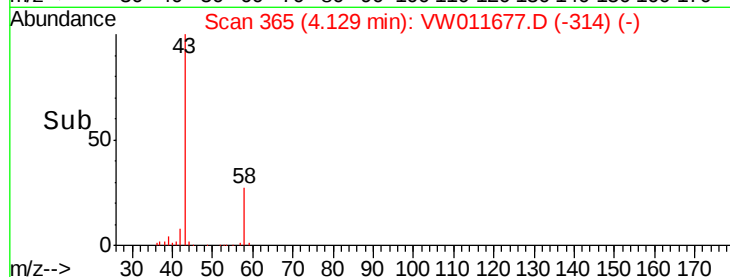
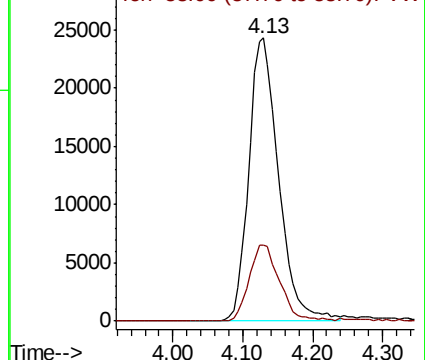
43 100

58 27.0 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#20

Methylene Chloride

Concen: 6.411 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW011677.D

Acq: 03 Aug 2019 20:05

Tgt Ion: 84 Resp: 17185

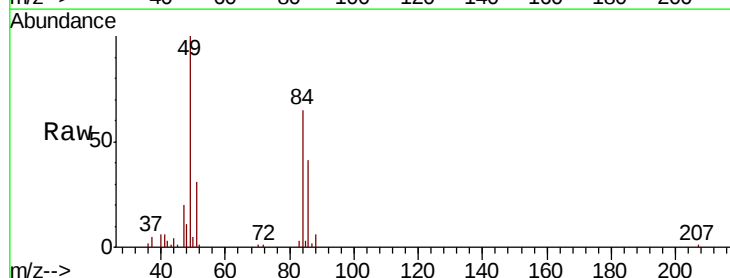
Ion Ratio Lower Upper

84 100

49 153.4 117.8 176.6

51 47.8 37.0 55.4

86 63.5 51.8 77.8

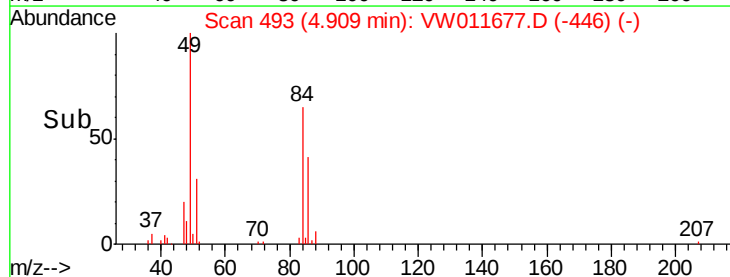
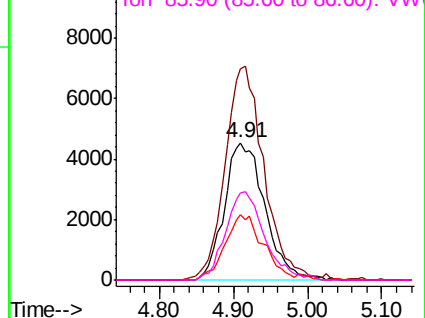


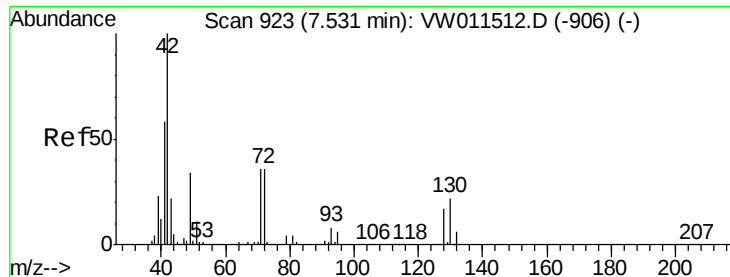
Abundance Ion 83.90 (83.60 to 84.60): VW

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





#29

Tetrahydrofuran

Concen: 1.192 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.00 min

Lab File: VW011677.D

Acq: 03 Aug 2019 20:05

Instrument :

MSVOA_W

ClientSampleId :

2S-E3-(30)

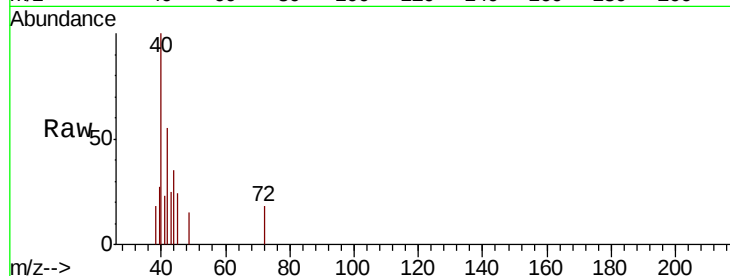
Tgt Ion: 42 Resp: 693

Ion Ratio Lower Upper

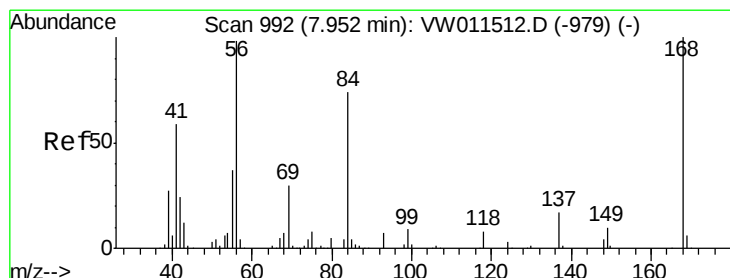
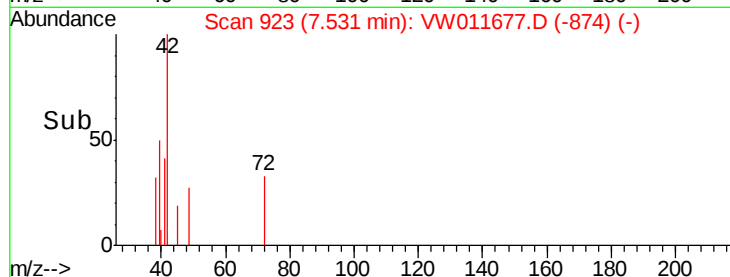
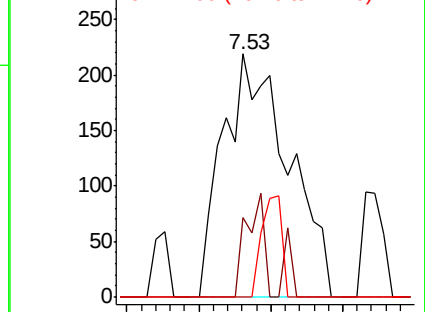
42 100

72 11.8 27.1 40.7#

71 0.0 26.2 39.4#



Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW



#31

Cyclohexane

Concen: 1.203 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW011677.D

Acq: 03 Aug 2019 20:05

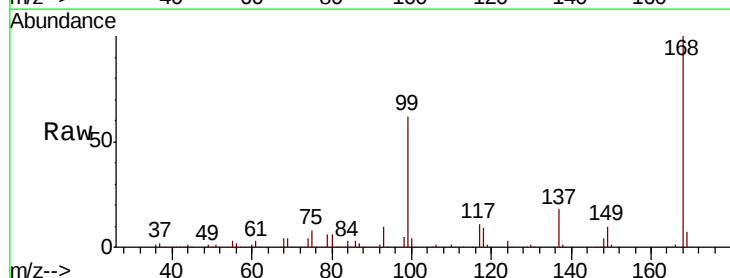
Tgt Ion: 56 Resp: 5494

Ion Ratio Lower Upper

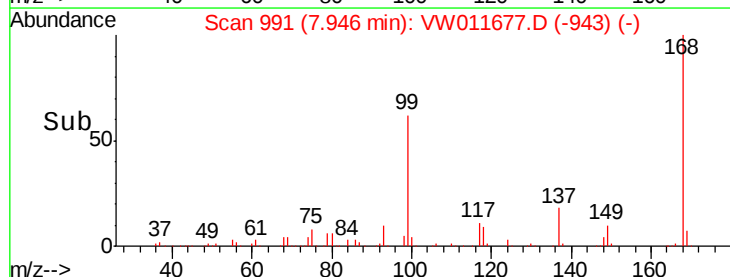
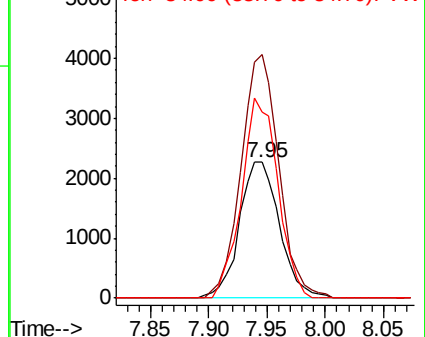
56 100

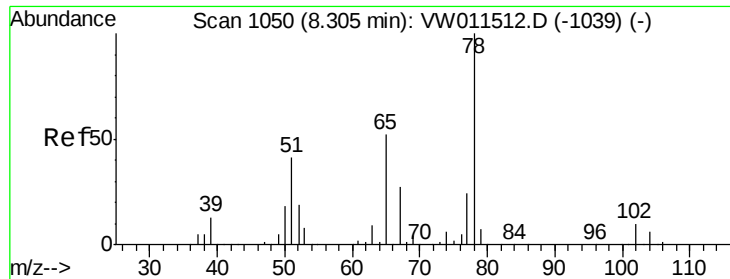
69 179.2 24.3 36.5#

84 140.4 60.4 90.6#



Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

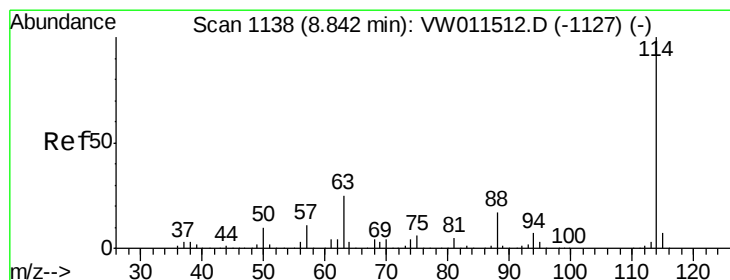
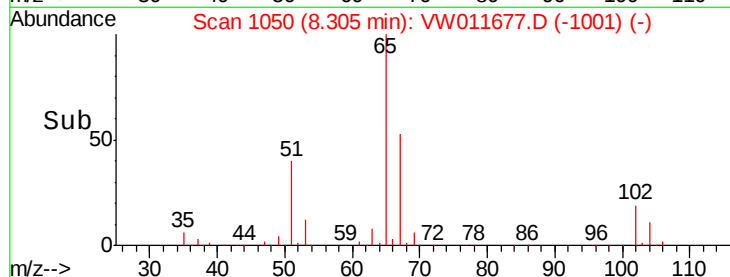
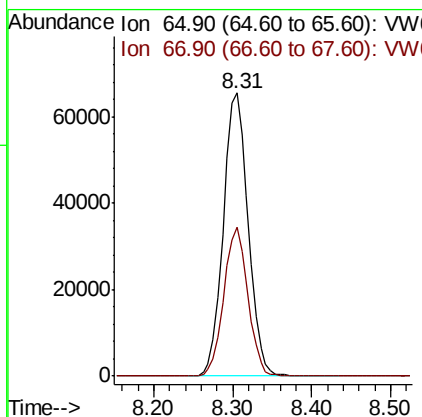
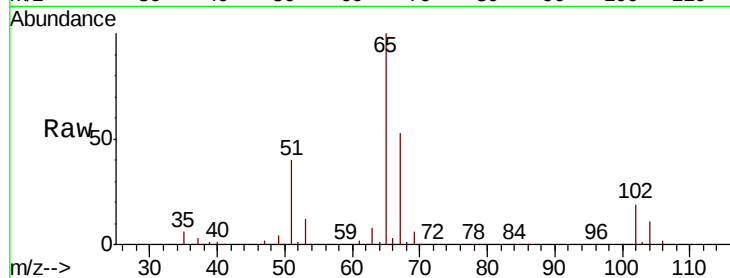




#33
 1,2-Dichloroethane-d4
 Concen: 58.802 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW011677.D
 Acq: 03 Aug 2019 20:05

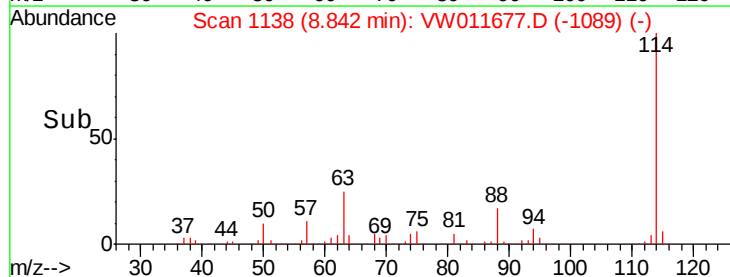
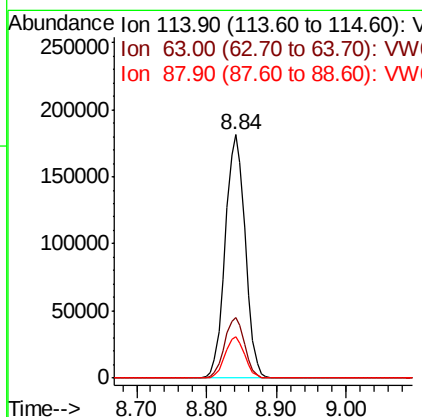
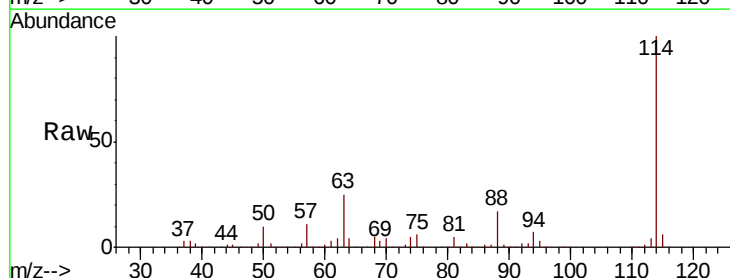
Instrument :
 MSVOA_W
 ClientSampleId :
 2S-E3-(30)

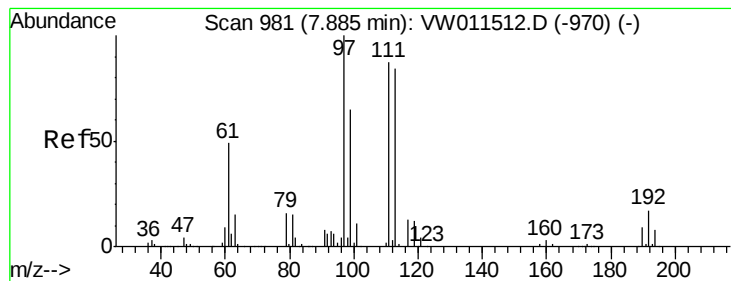
Tgt Ion: 65 Resp: 143668
 Ion Ratio Lower Upper
 65 100
 67 51.1 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW011677.D
 Acq: 03 Aug 2019 20:05

Tgt Ion: 114 Resp: 359474
 Ion Ratio Lower Upper
 114 100
 63 24.9 0.0 49.2
 88 17.2 0.0 33.8





#35

Dibromofluoromethane

Concen: 55.648 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW011677.D

Acq: 03 Aug 2019 20:05

Instrument :

MSVOA_W

ClientSampleId :

2S-E3-(30)

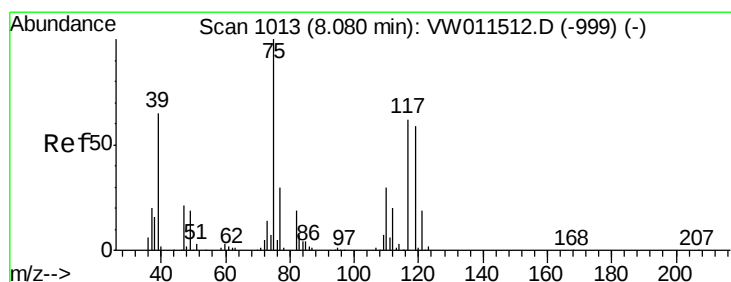
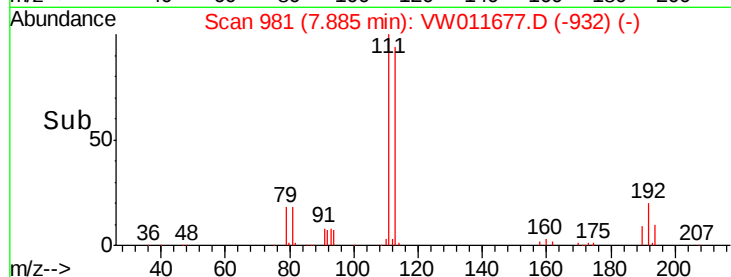
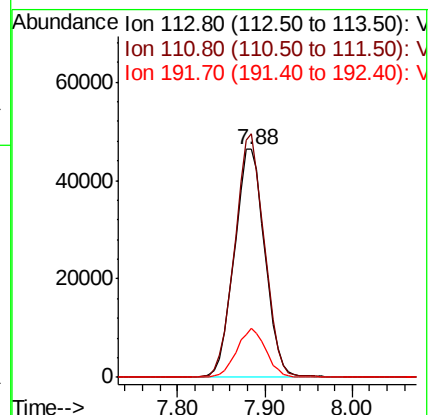
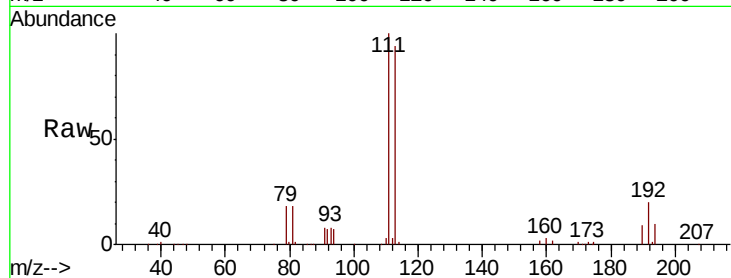
Tgt Ion:113 Resp: 112226

Ion Ratio Lower Upper

113 100

111 103.7 82.7 124.1

192 20.4 16.1 24.1



#36

1,1-Dichloropropene

Concen: 4.978 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW011677.D

Acq: 03 Aug 2019 20:05

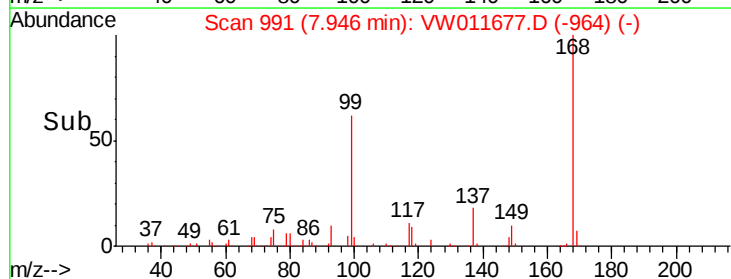
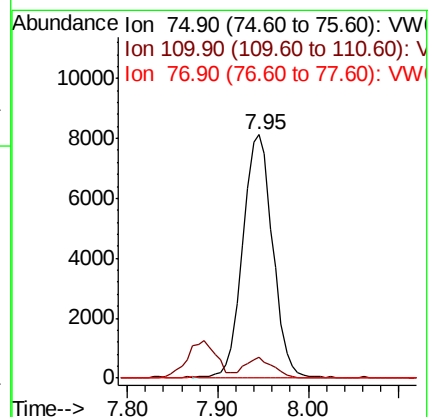
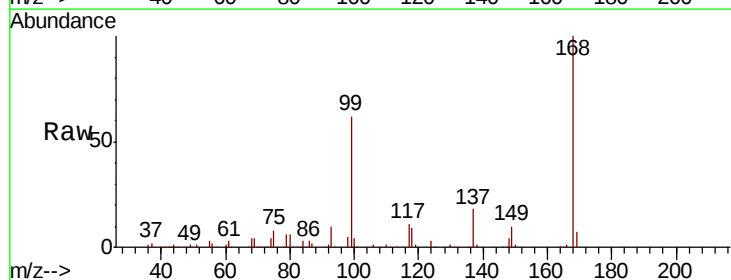
Tgt Ion: 75 Resp: 18607

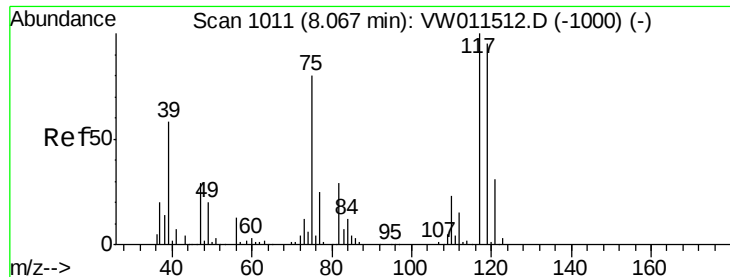
Ion Ratio Lower Upper

75 100

110 8.1 15.6 46.8#

77 0.0 24.3 36.5#

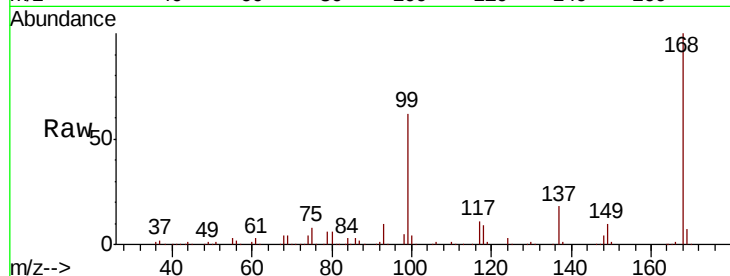




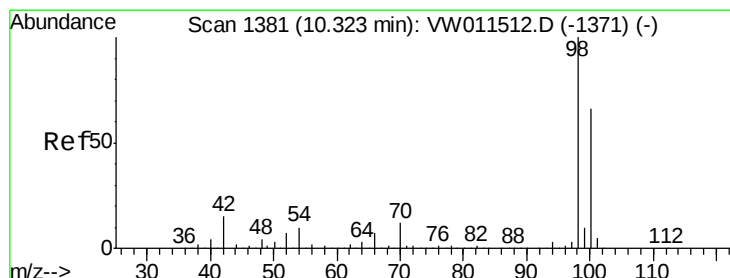
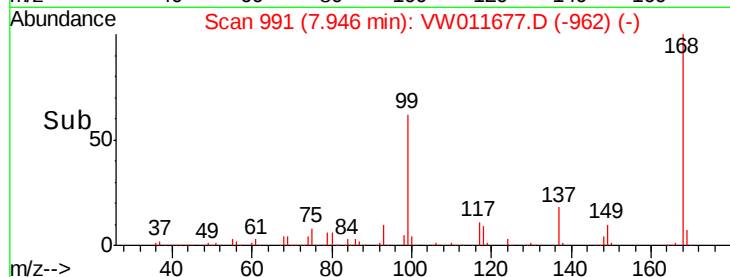
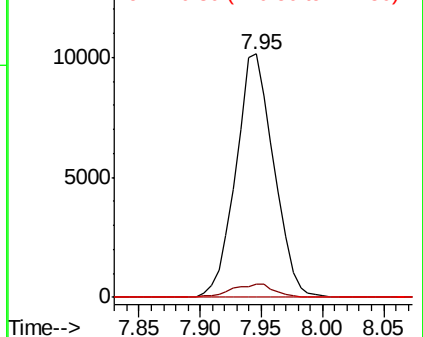
#38
Carbon Tetrachloride
Concen: 6.817 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW011677.D
Acq: 03 Aug 2019 20:05

Instrument :
MSVOA_W
ClientSampled :
2S-E3-(30)

Tgt Ion:117 Resp: 21815
Ion Ratio Lower Upper
117 100
119 5.4 75.8 113.6#
121 0.0 24.7 37.1#

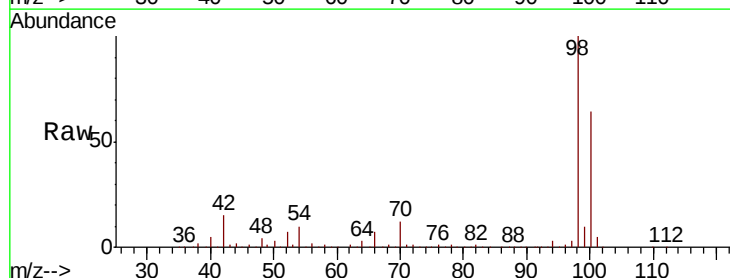


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

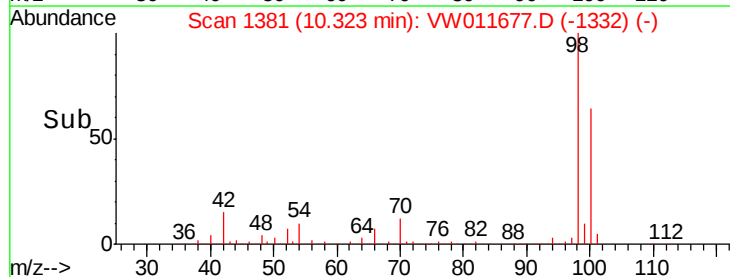
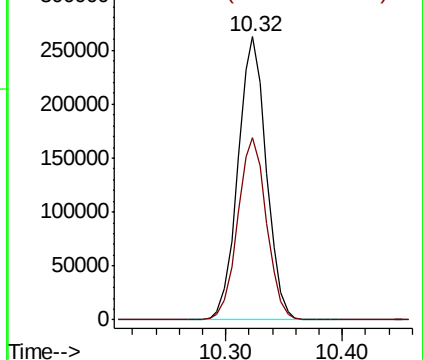


#50
Toluene-d8
Concen: 53.946 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW011677.D
Acq: 03 Aug 2019 20:05

Tgt Ion: 98 Resp: 445434
Ion Ratio Lower Upper
98 100
100 65.3 52.7 79.1



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

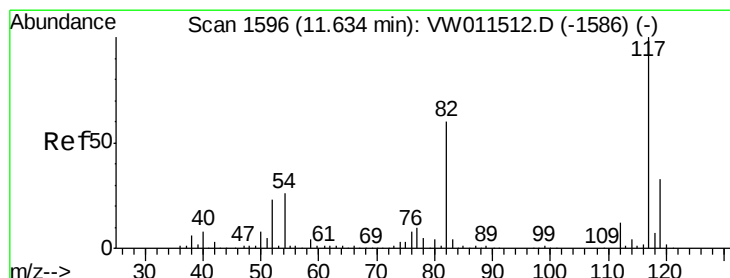
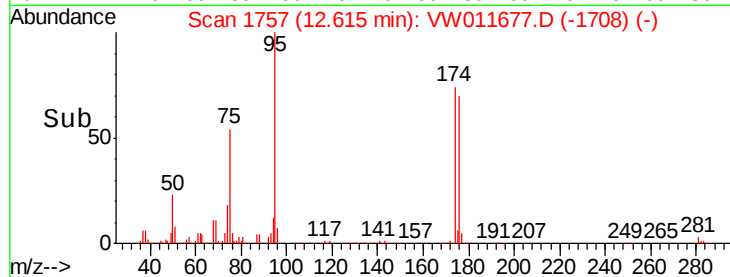
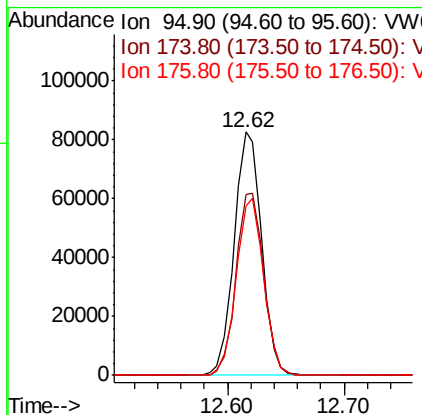
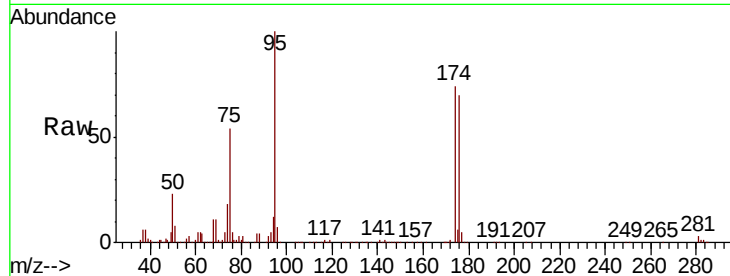




#62
4-Bromofluorobenzene
Concen: 46.035 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VW011677.D
Acq: 03 Aug 2019 20:05

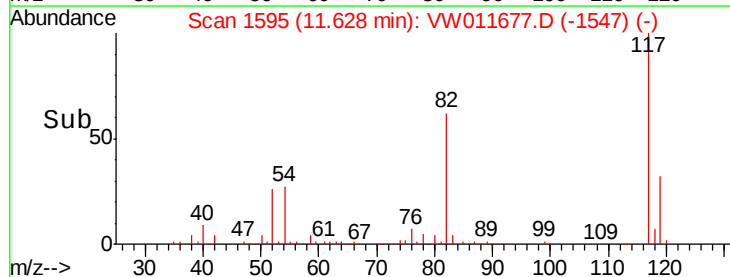
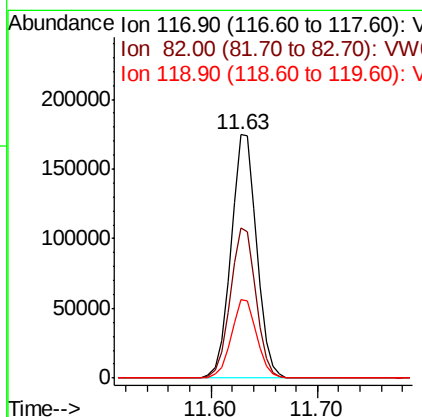
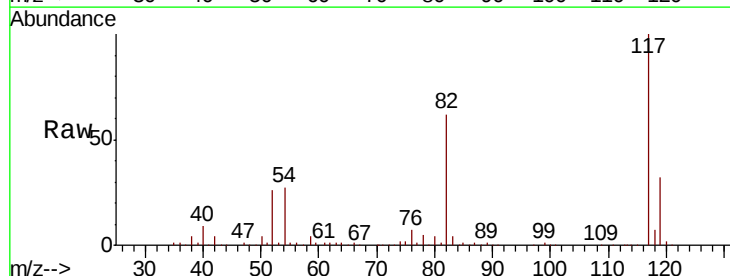
Instrument :
MSVOA_W
ClientSampleId :
2S-E3-(30)

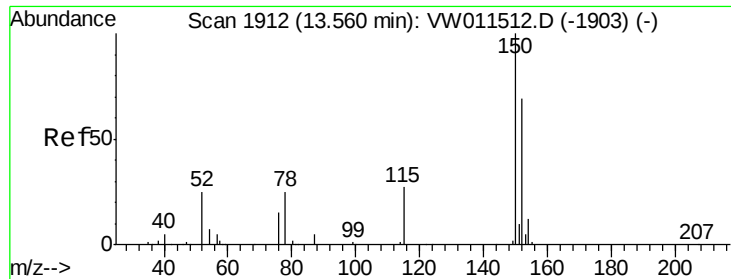
Tgt Ion: 95 Resp: 135517
Ion Ratio Lower Upper
95 100
174 75.7 0.0 150.2
176 72.7 0.0 144.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW011677.D
Acq: 03 Aug 2019 20:05

Tgt Ion: 117 Resp: 295810
Ion Ratio Lower Upper
117 100
82 61.8 47.9 71.9
119 32.0 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: VW011677.D

Acq: 03 Aug 2019 20:05

Instrument :

MSVOA_W

ClientSampleId :

2S-E3-(30)

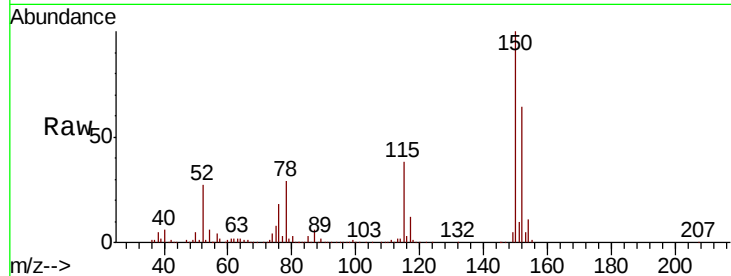
Tgt Ion:152 Resp: 110394

Ion Ratio Lower Upper

152 100

115 60.8 30.5 91.5

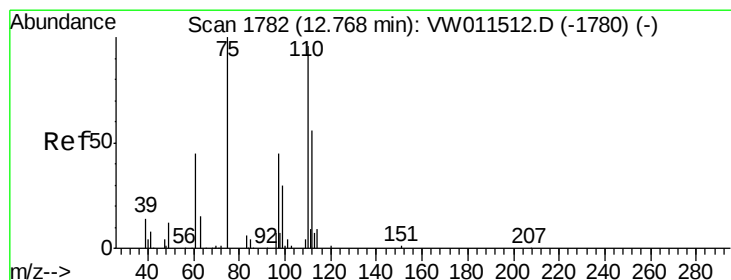
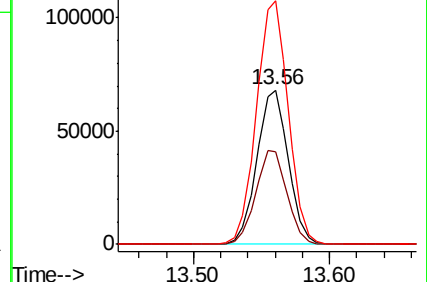
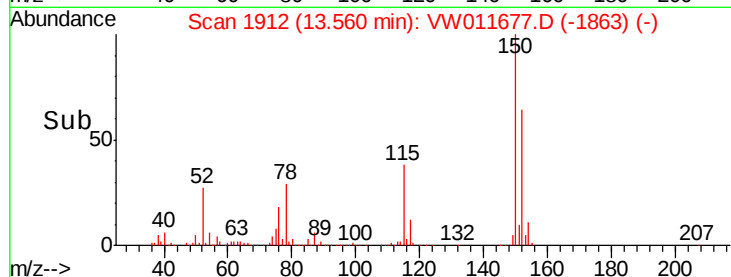
150 159.9 0.0 352.6



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: 62.367 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW011677.D

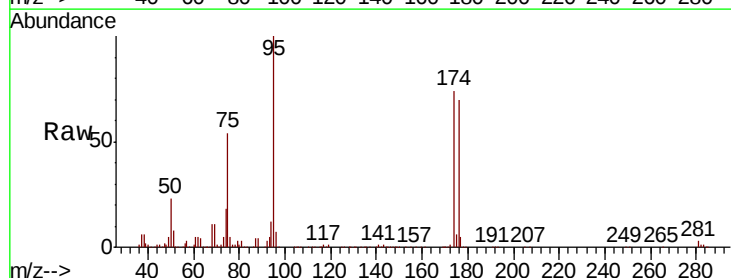
Acq: 03 Aug 2019 20:05

Tgt Ion: 75 Resp: 72851

Ion Ratio Lower Upper

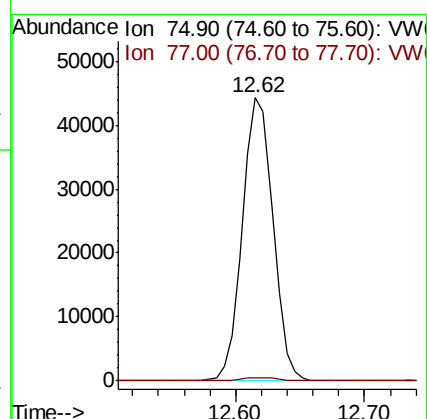
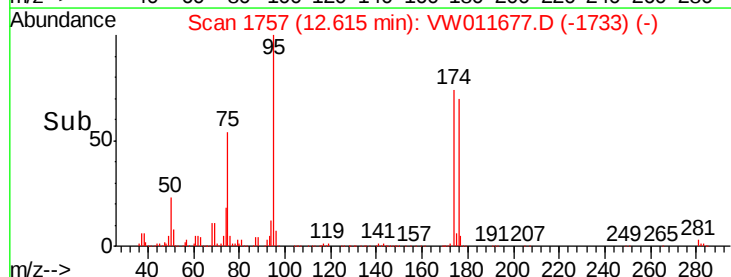
75 100

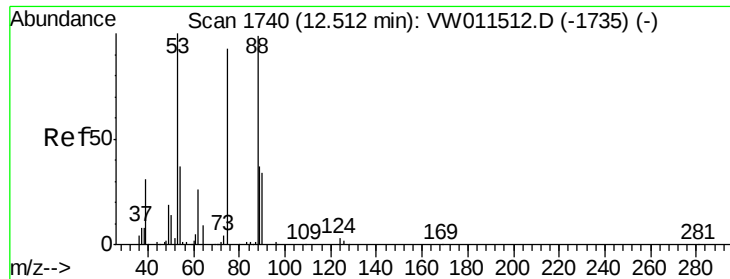
77 1.3 0.0 0.0#



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: 143.735 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW011677.D

Acq: 03 Aug 2019 20:05

Instrument :

MSVOA_W

ClientSampleId :

2S-E3-(30)

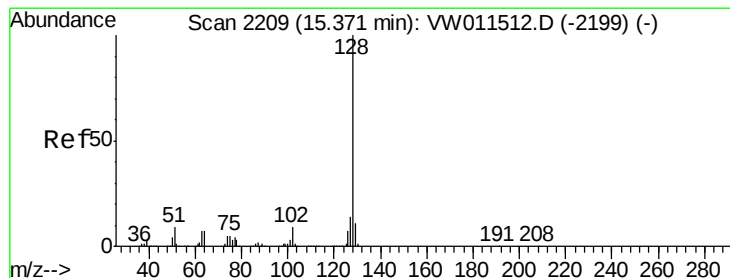
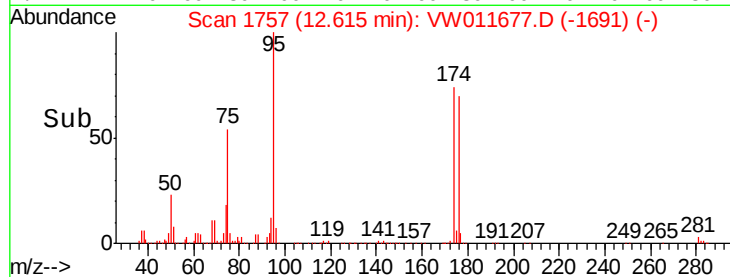
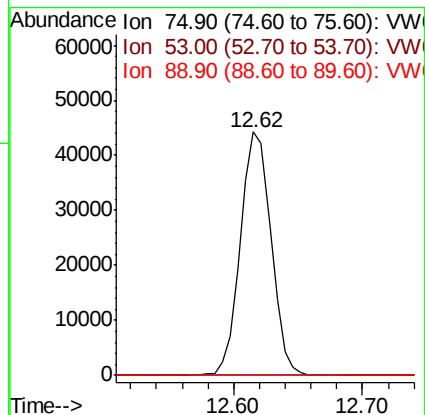
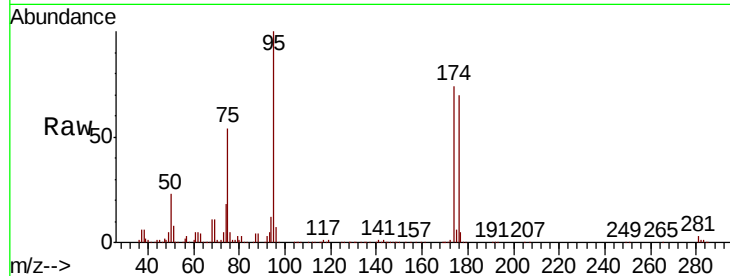
Tgt Ion: 75 Resp: 72851

Ion Ratio Lower Upper

75 100

53 0.2 88.0 132.0#

89 0.0 35.3 52.9#



#95

Naphthalene

Concen: 2.083 ug/l

RT: 15.36 min Scan# 2207

Delta R.T. -0.01 min

Lab File: VW011677.D

Acq: 03 Aug 2019 20:05

Tgt Ion: 128 Resp: 79

Ion Ratio Lower Upper

128 100

127 0.0 10.6 16.0#

129 0.0 8.6 13.0#

