

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW090319\
 Data File : VW012577.D
 Acq On : 04 Sep 2019 05:41
 Operator : SY/VA
 Sample : K4525-12
 Misc : 4.91G/5ML/MSVOA_W/SOIL
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 T9-12-13-B2-(0)

Quant Time: Sep 04 06:54:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 26 07:18:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	263582	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	424651	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	350413	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	118650	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	174294	55.63	ug/l	0.00
Spiked Amount			Recovery	=	111.26%	
35) Dibromofluoromethane	7.88	113	132884	52.42	ug/l	0.00
Spiked Amount			Recovery	=	104.84%	
50) Toluene-d8	10.32	98	529971	51.57	ug/l	0.00
Spiked Amount			Recovery	=	103.14%	
62) 4-Bromofluorobenzene	12.62	95	152400	42.07	ug/l	0.00
Spiked Amount			Recovery	=	84.14%	

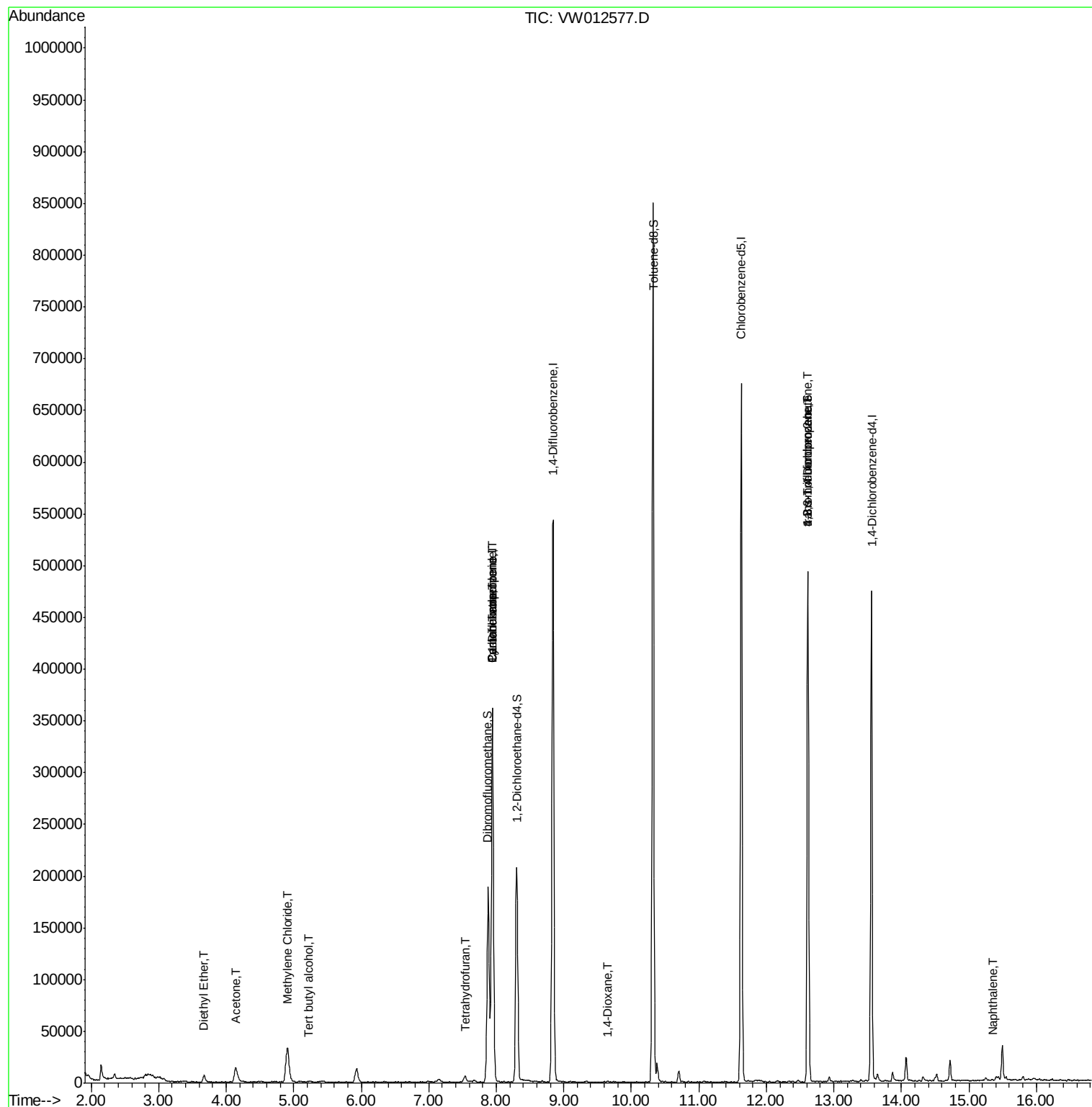
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.67	74	3134	2.137	ug/l	85
11) Tert butyl alcohol	5.22	59	520	2.758	ug/l #	71
16) Acetone	4.14	43	31493	39.320	ug/l	95
20) Methylene Chloride	4.90	84	25041	8.270	ug/l	94
29) Tetrahydrofuran	7.54	42	5451	8.348	ug/l	97
31) Cyclohexane	7.94	56	6674	1.183	ug/l #	15
36) 1,1-Dichloropropene	7.95	75	22159	5.050	ug/l #	52
38) Carbon Tetrachloride	7.95	117	26987	7.105	ug/l #	17
49) 1,4-Dioxane	9.64	88	25	1.138	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	83598	72.344	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	83598	158.616	ug/l #	6
95) Naphthalene	15.36	128	161	4.354	ug/l #	82

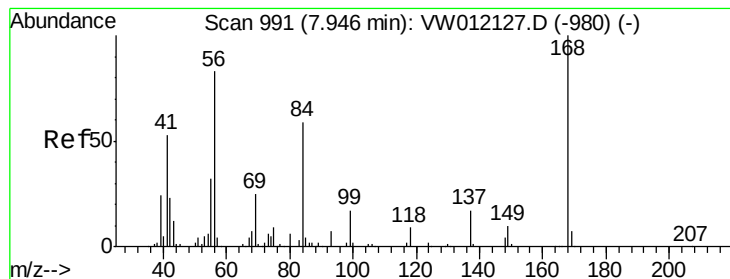
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW012577.D

Acq: 04 Sep 2019 05:41

Instrument :

MSVOA_W

ClientSampleId :

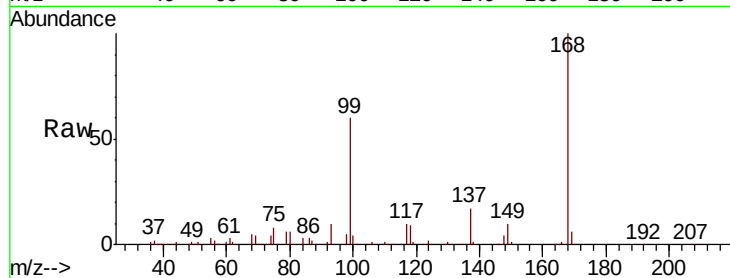
T9-12-13-B2-(0)

Tgt Ion:168 Resp: 263582

Ion Ratio Lower Upper

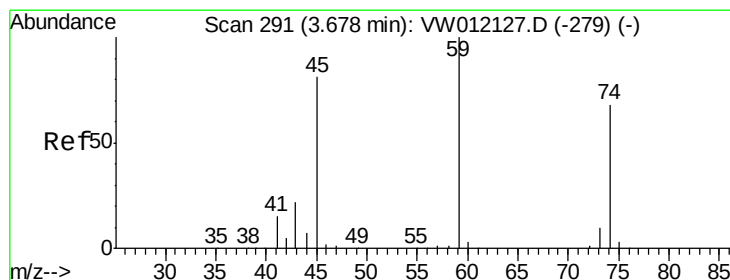
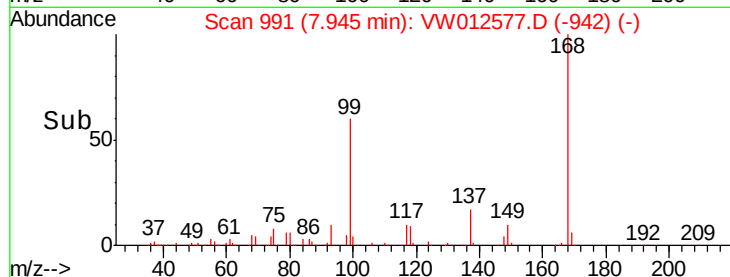
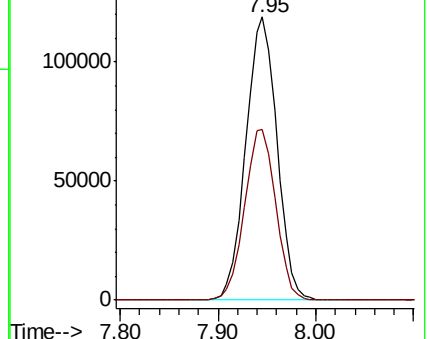
168 100

99 60.1 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#8

Diethyl Ether

Concen: 2.137 ug/l

RT: 3.67 min Scan# 290

Delta R.T. -0.01 min

Lab File: VW012577.D

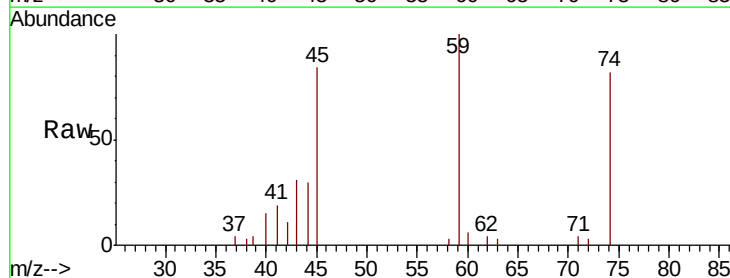
Acq: 04 Sep 2019 05:41

Tgt Ion: 74 Resp: 3134

Ion Ratio Lower Upper

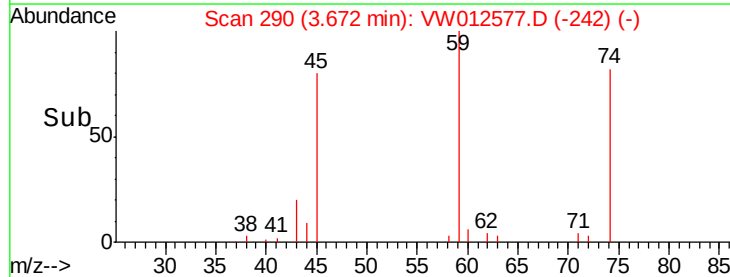
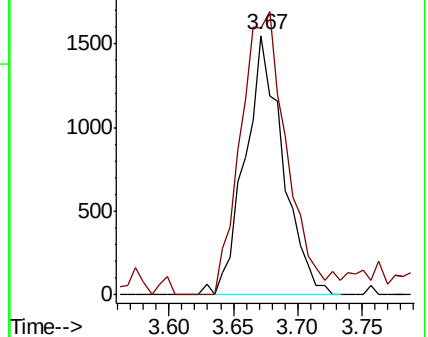
74 100

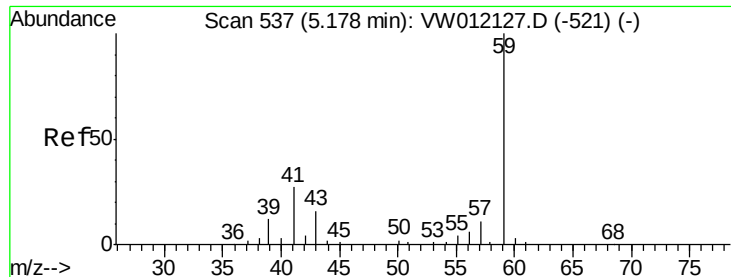
45 134.6 59.2 177.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

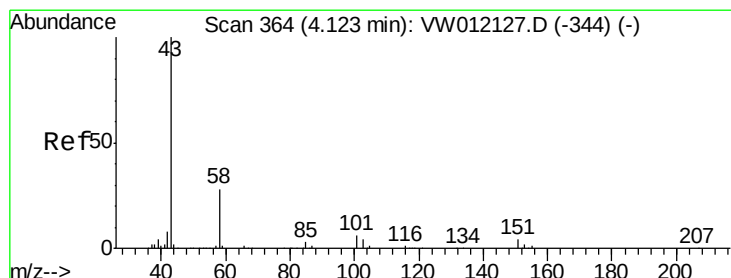
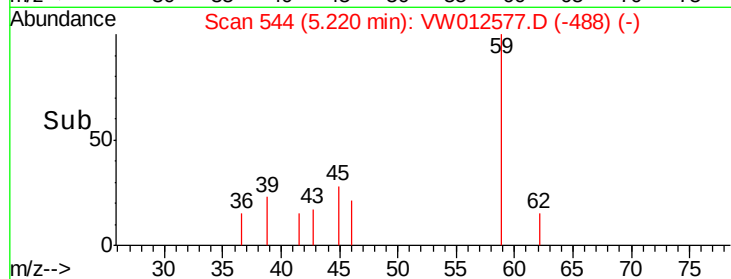
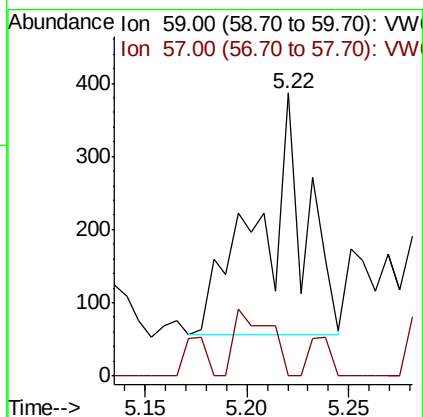
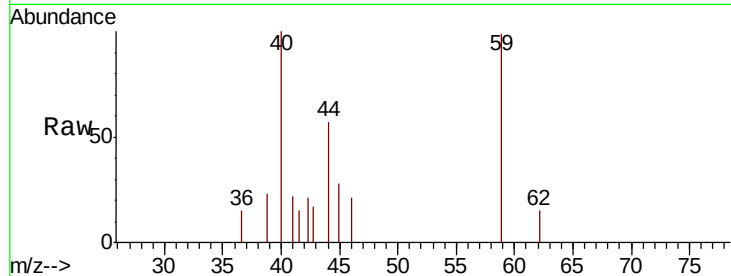




#11
Tert butyl alcohol
Concen: 2.758 ug/l
RT: 5.22 min Scan# 544
Delta R.T. 0.04 min
Lab File: VW012577.D
Acq: 04 Sep 2019 05:41

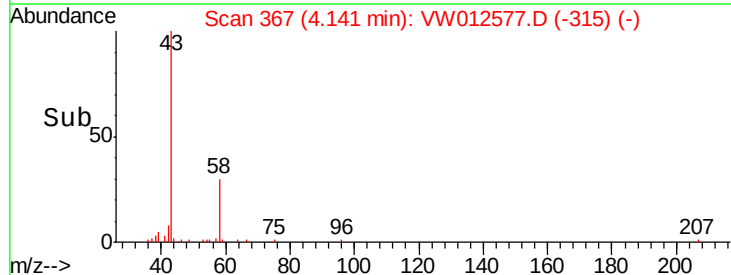
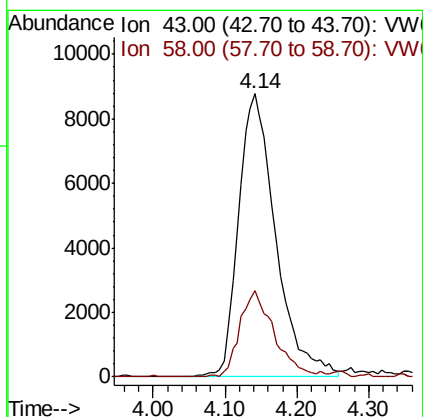
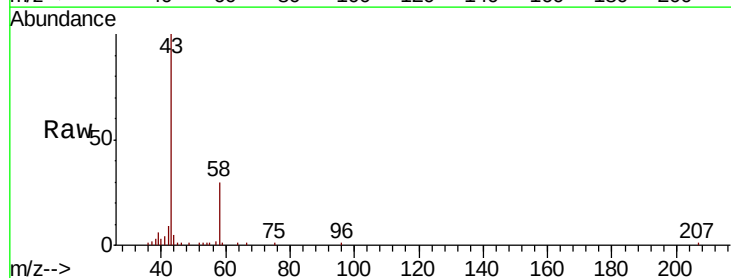
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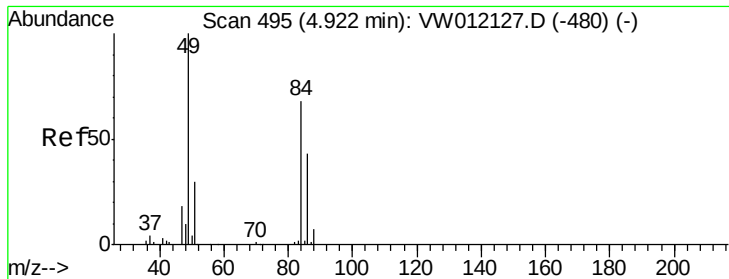
Tgt Ion: 59 Resp: 520
Ion Ratio Lower Upper
59 100
57 0.0 9.0 13.4#



#16
Acetone
Concen: 39.320 ug/l
RT: 4.14 min Scan# 367
Delta R.T. 0.02 min
Lab File: VW012577.D
Acq: 04 Sep 2019 05:41

Tgt Ion: 43 Resp: 31493
Ion Ratio Lower Upper
43 100
58 30.4 22.4 33.6





#20

Methylene Chloride

Concen: 8.270 ug/l

RT: 4.90 min Scan# 492

Delta R.T. -0.02 min

Lab File: VW012577.D

Acq: 04 Sep 2019 05:41

Instrument :

MSVOA_W

ClientSampleId :

T9-12-13-B2-(0)

Tgt Ion: 84 Resp: 25041

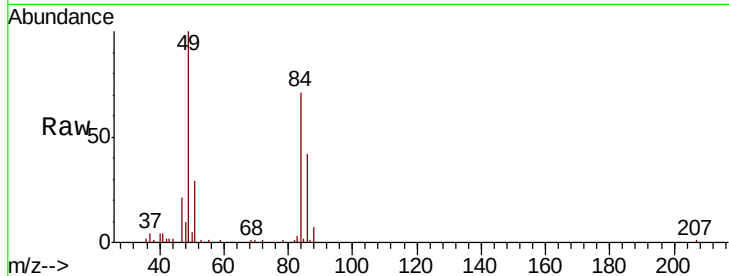
Ion Ratio Lower Upper

84 100

49 140.5 117.8 176.8

51 40.6 35.6 53.4

86 59.2 51.2 76.8

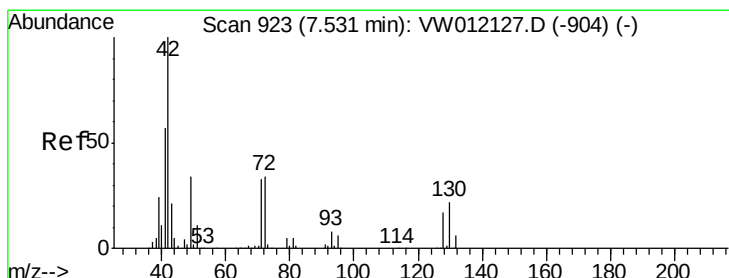
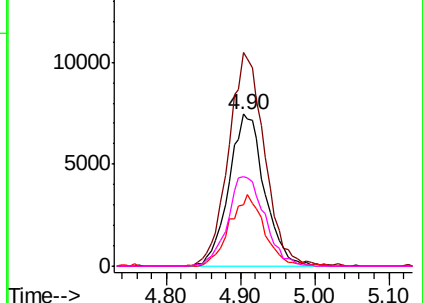
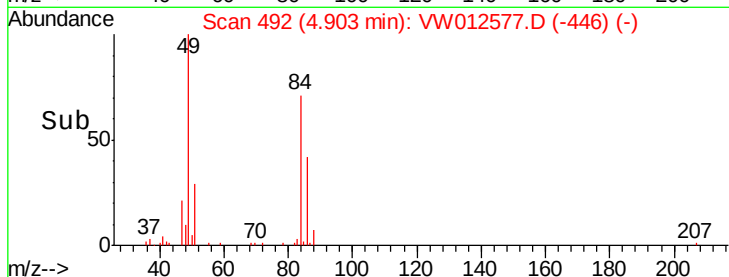


Abundance Ion 83.90 (83.60 to 84.60): VW

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: 8.348 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW012577.D

Acq: 04 Sep 2019 05:41

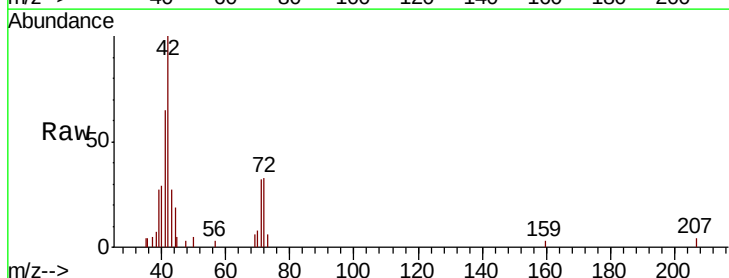
Tgt Ion: 42 Resp: 5451

Ion Ratio Lower Upper

42 100

72 32.6 27.3 40.9

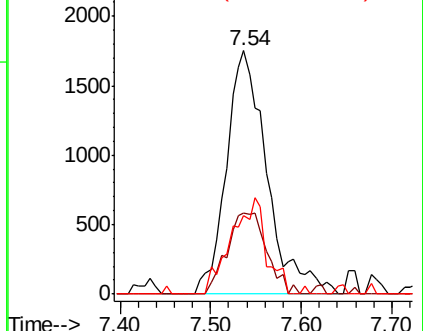
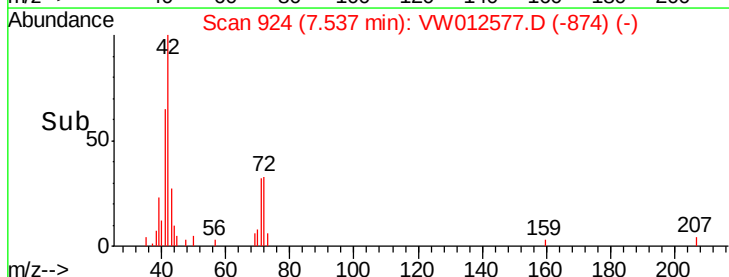
71 33.7 25.5 38.3

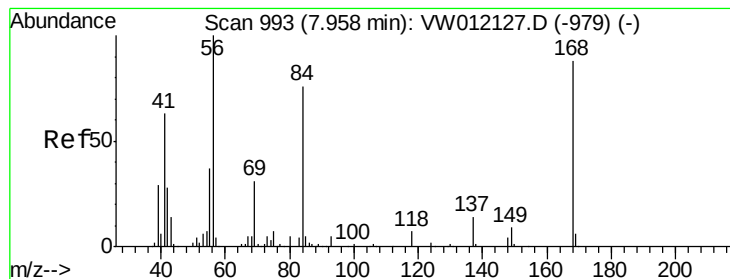


Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW





#31

Cyclohexane

Concen: 1.183 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.02 min

Lab File: VW012577.D

Acq: 04 Sep 2019 05:41

Instrument :

MSVOA_W

ClientSampleId :

T9-12-13-B2-(0)

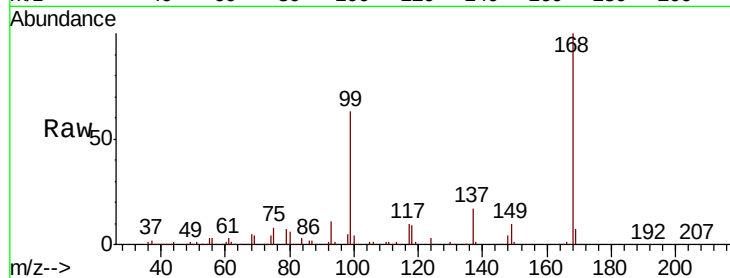
Tgt Ion: 56 Resp: 6674

Ion Ratio Lower Upper

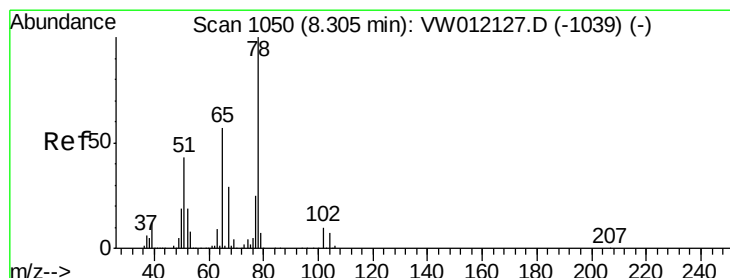
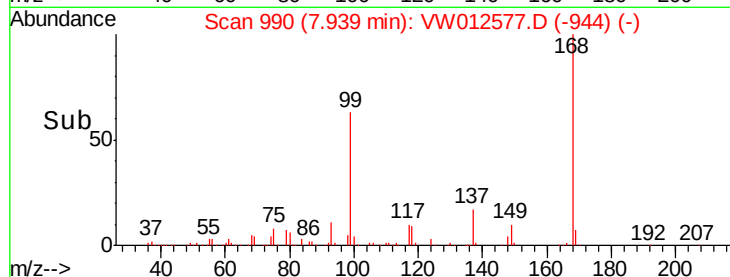
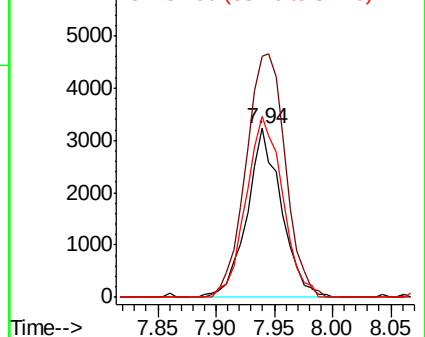
56 100

69 143.0 24.9 37.3#

84 107.4 60.6 90.8#



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: 55.626 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW012577.D

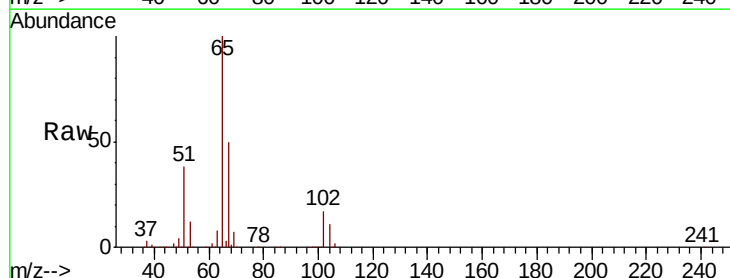
Acq: 04 Sep 2019 05:41

Tgt Ion: 65 Resp: 174294

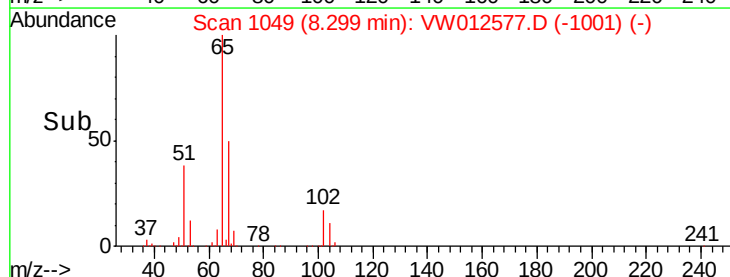
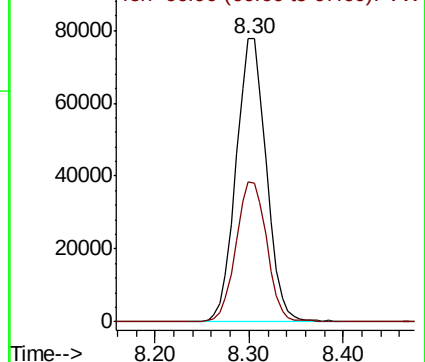
Ion Ratio Lower Upper

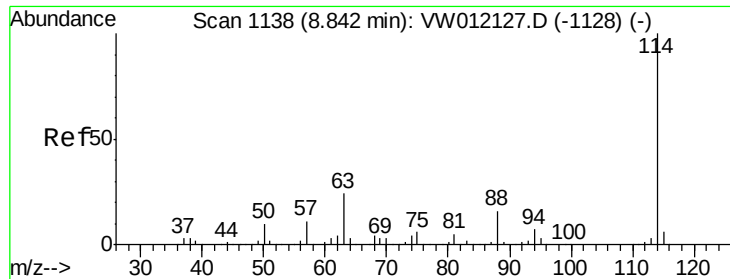
65 100

67 50.3 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

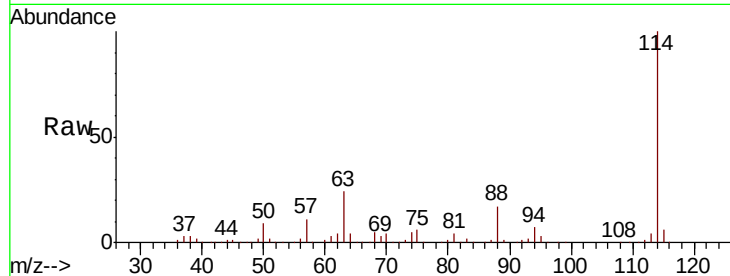




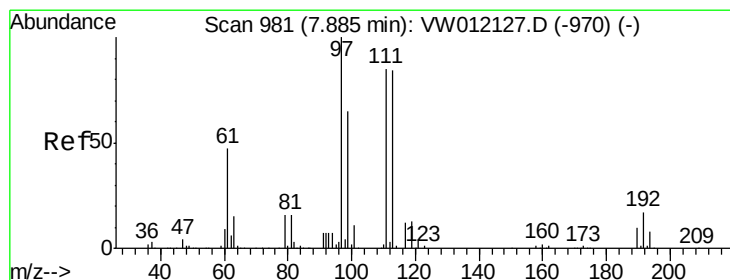
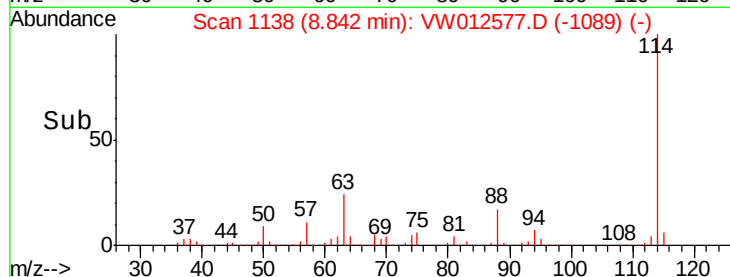
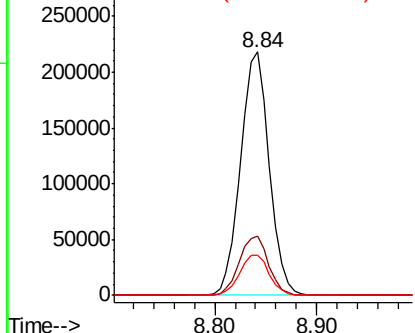
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012577.D
 Acq: 04 Sep 2019 05:41

Instrument :
 MSVOA_W
 ClientSampleId :
 T9-12-13-B2-(0)

Tgt Ion:114 Resp: 424651
 Ion Ratio Lower Upper
 114 100
 63 24.1 0.0 48.6
 88 16.5 0.0 32.2

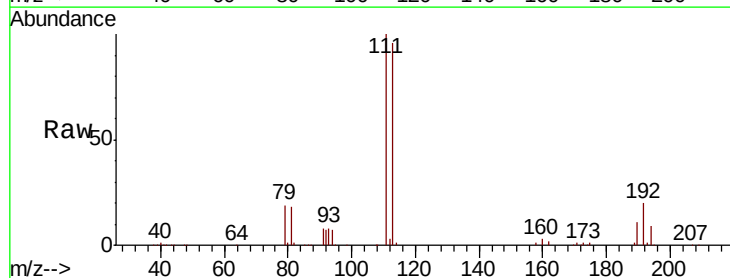


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

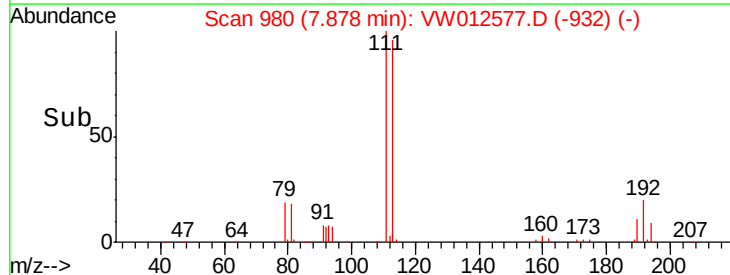
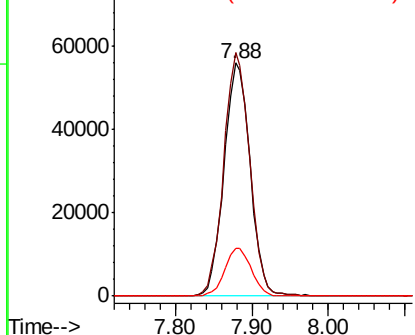


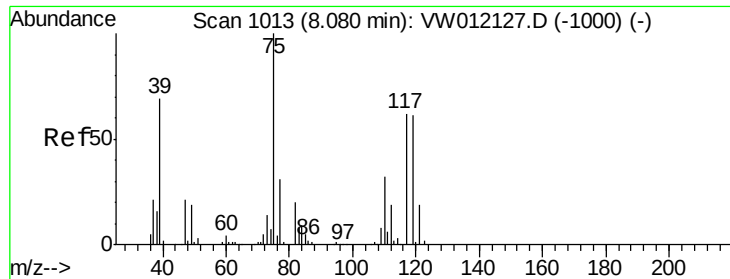
#35
 Dibromofluoromethane
 Concen: 52.425 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW012577.D
 Acq: 04 Sep 2019 05:41

Tgt Ion:113 Resp: 132884
 Ion Ratio Lower Upper
 113 100
 111 103.5 82.7 124.1
 192 20.7 16.2 24.2



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: 5.050 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW012577.D

Acq: 04 Sep 2019 05:41

Instrument :

MSVOA_W

ClientSampleId :

T9-12-13-B2-(0)

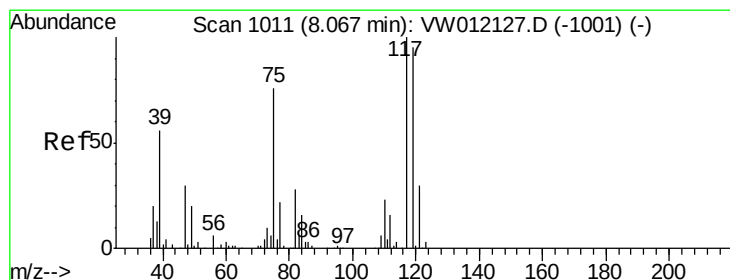
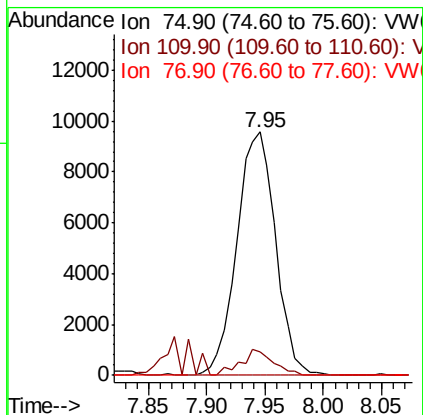
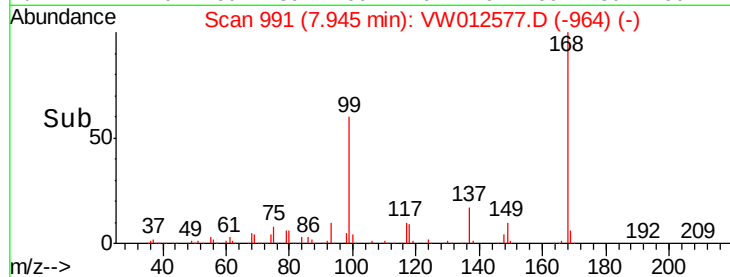
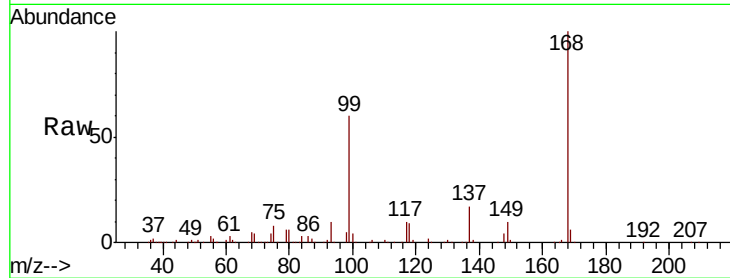
Tgt Ion: 75 Resp: 22159

Ion Ratio Lower Upper

75 100

110 9.0 15.6 46.8#

77 0.0 24.6 36.8#



#38

Carbon Tetrachloride

Concen: 7.105 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW012577.D

Acq: 04 Sep 2019 05:41

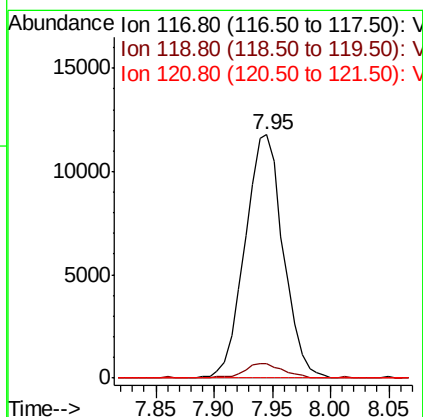
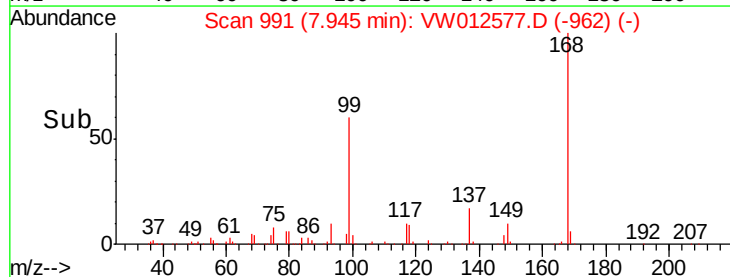
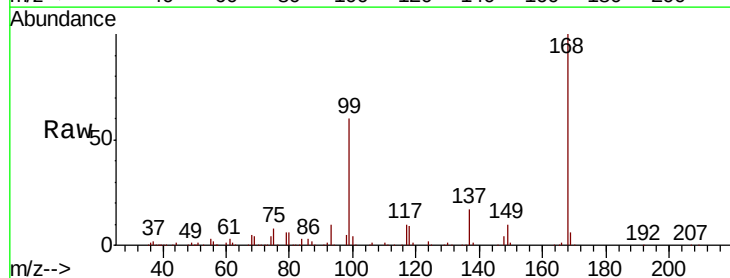
Tgt Ion: 117 Resp: 26987

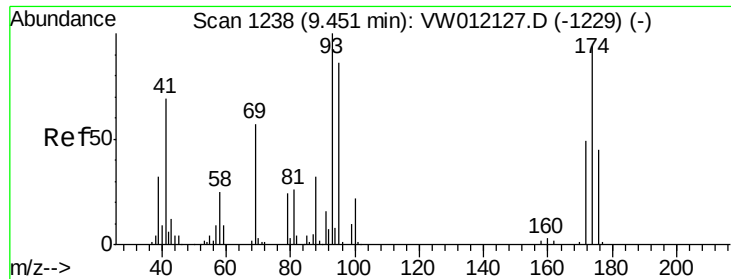
Ion Ratio Lower Upper

117 100

119 6.2 76.2 114.2#

121 0.0 23.8 35.8#

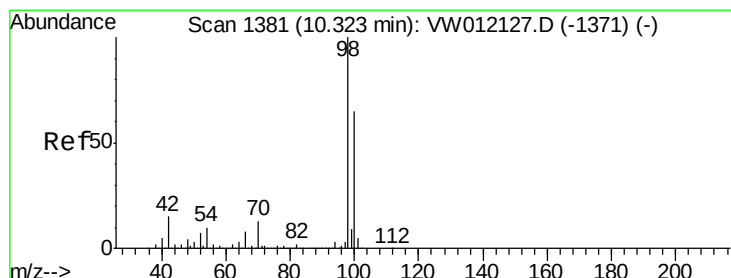
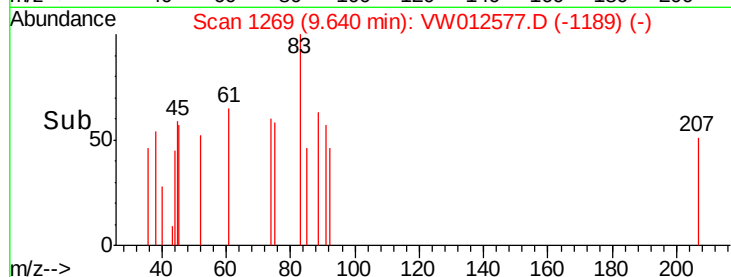
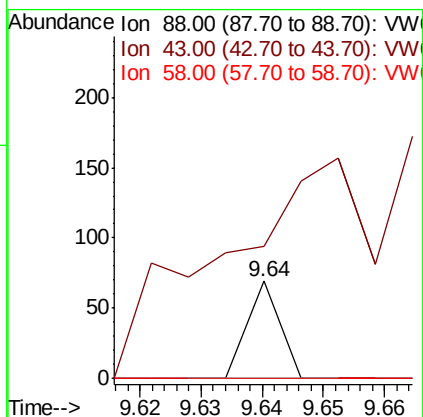
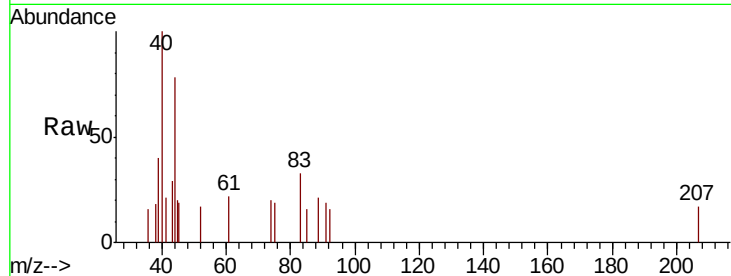




#49
 1,4-Dioxane
 Concen: 1.138 ug/l
 RT: 9.64 min Scan# 1269
 Delta R.T. 0.19 min
 Lab File: VW012577.D
 Acq: 04 Sep 2019 05:41

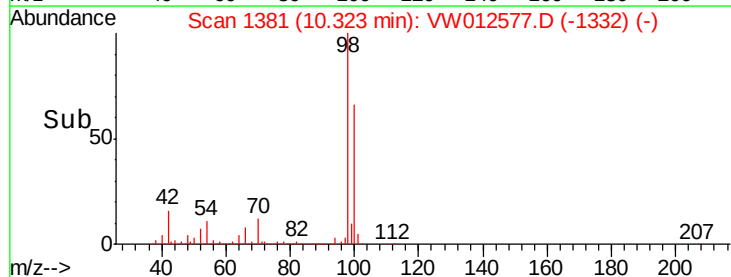
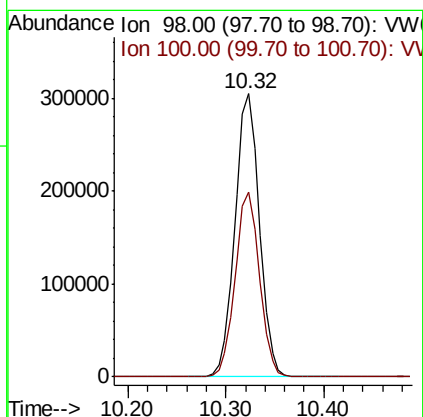
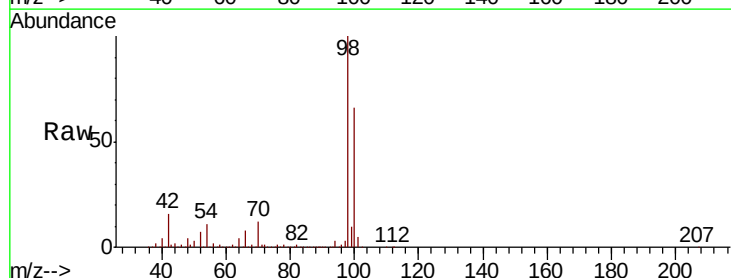
Instrument :
 MSVOA_W
 ClientSampled :
 T9-12-13-B2-(0)

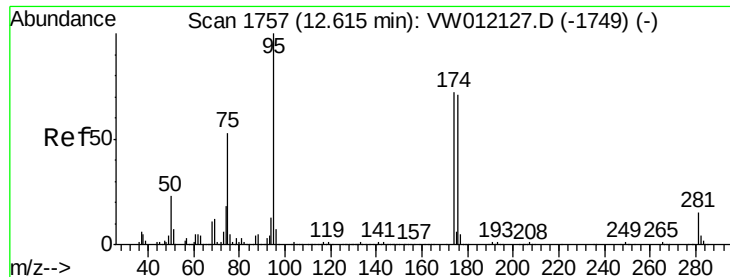
Tgt Ion: 88 Resp: 25
 Ion Ratio Lower Upper
 88 100
 43 1048.0 32.9 49.3#
 58 0.0 71.0 106.4#



#50
 Toluene-d8
 Concen: 51.565 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. -0.00 min
 Lab File: VW012577.D
 Acq: 04 Sep 2019 05:41

Tgt Ion: 98 Resp: 529971
 Ion Ratio Lower Upper
 98 100
 100 64.9 52.4 78.6

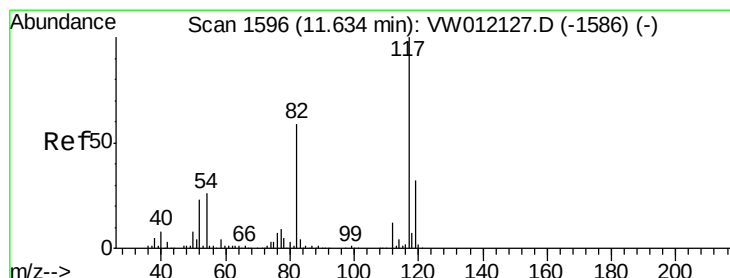
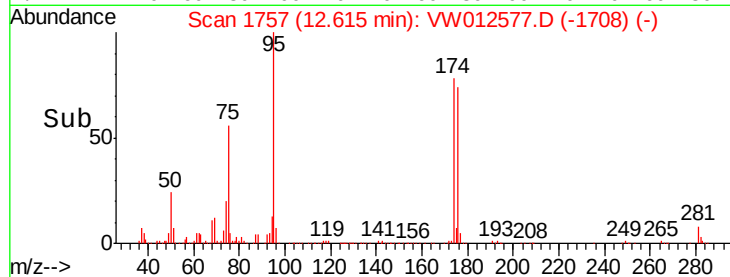
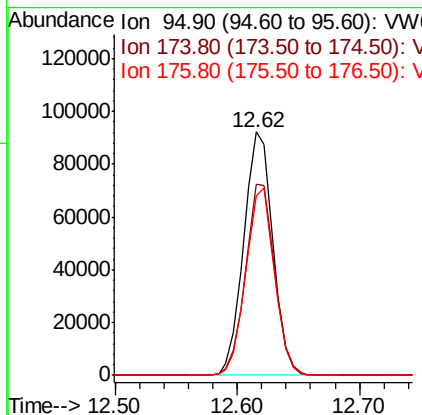
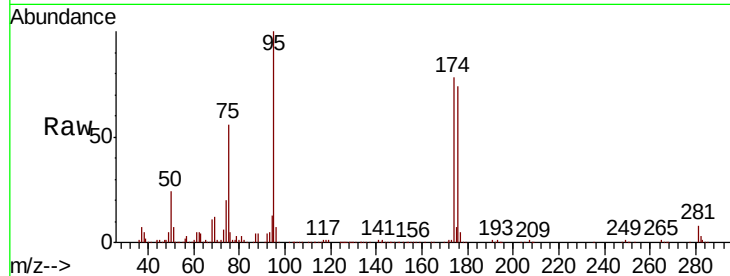




#62
4-Bromofluorobenzene
Concen: 42.066 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW012577.D
Acq: 04 Sep 2019 05:41

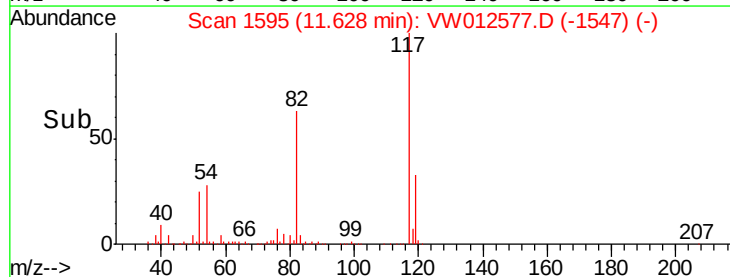
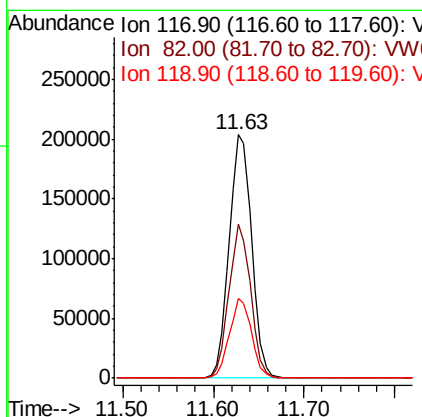
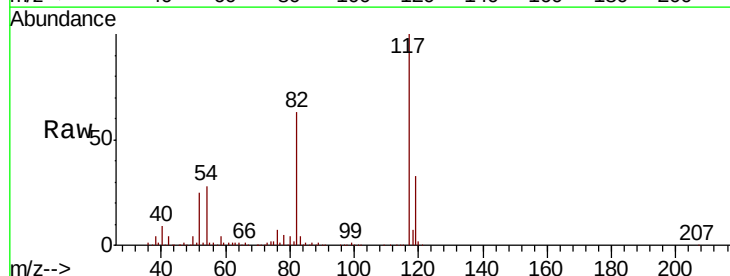
Instrument :
MSVOA_W
ClientSampleId :
T9-12-13-B2-(0)

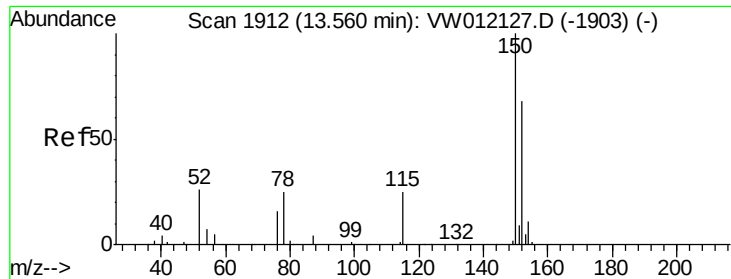
Tgt Ion: 95 Resp: 152400
Ion Ratio Lower Upper
95 100
174 79.0 0.0 150.8
176 76.0 0.0 148.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012577.D
Acq: 04 Sep 2019 05:41

Tgt Ion: 117 Resp: 350413
Ion Ratio Lower Upper
117 100
82 63.1 47.4 71.2
119 32.7 25.4 38.2



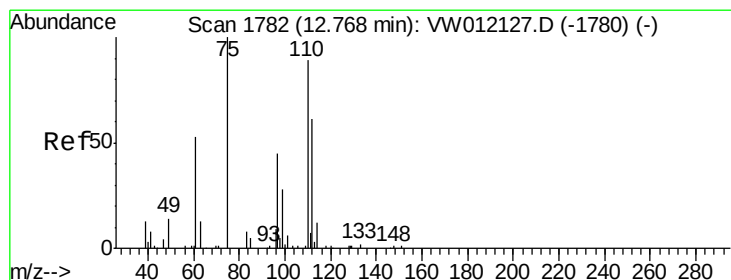
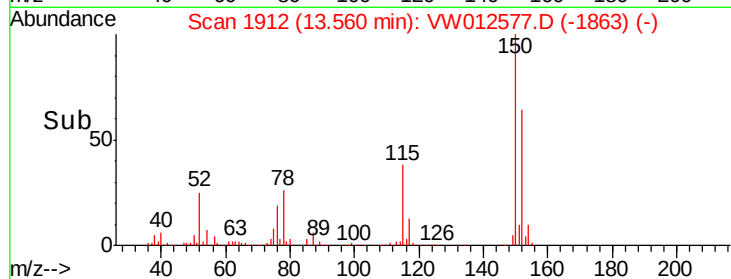
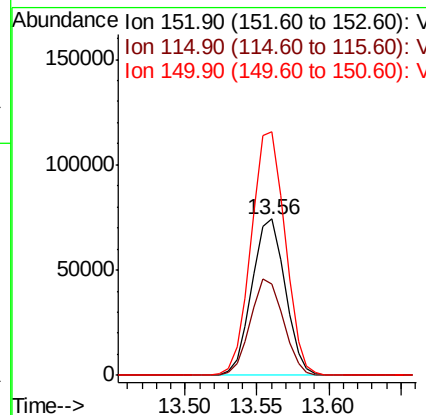
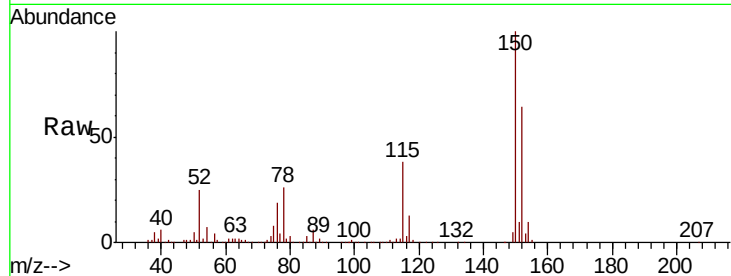


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012577.D
Acq: 04 Sep 2019 05:41

Instrument :
MSVOA_W
ClientSampleId :
T9-12-13-B2-(0)

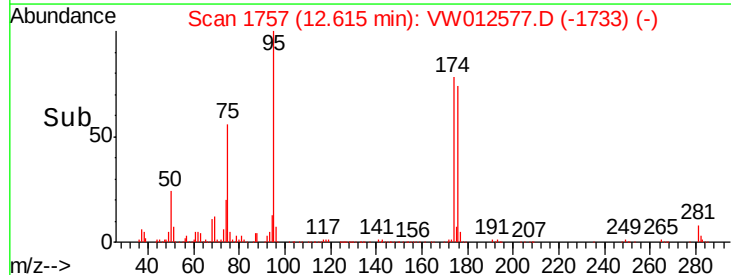
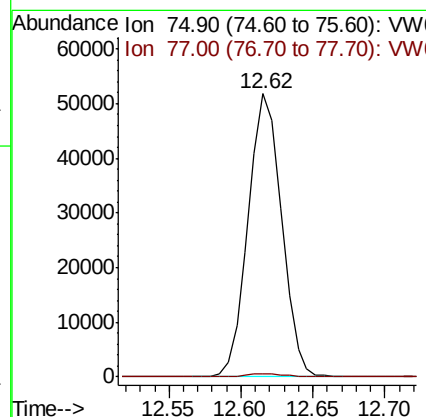
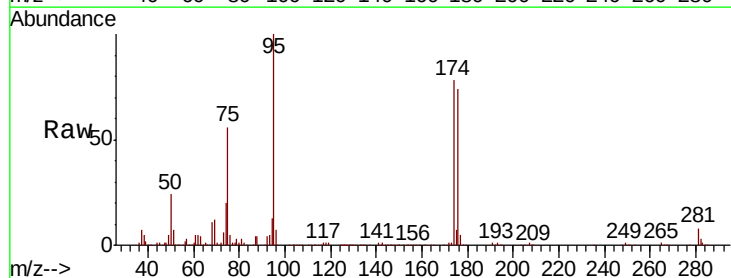
Tgt Ion:152 Resp: 118650
Ion Ratio Lower Upper
152 100
115 61.4 30.1 90.3
150 158.6 0.0 345.8

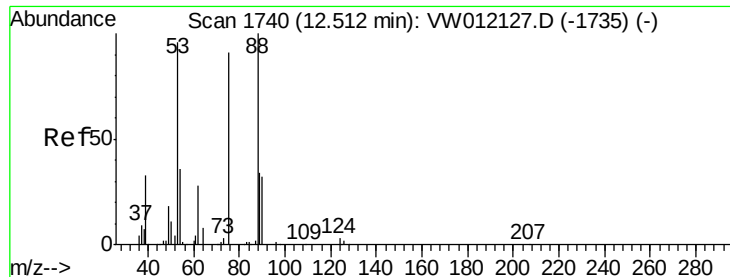


#76

1,2,3-Trichloropropane
Concen: 72.344 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.15 min
Lab File: VW012577.D
Acq: 04 Sep 2019 05:41

Tgt Ion: 75 Resp: 83598
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 158.616 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012577.D

Acq: 04 Sep 2019 05:41

Instrument :

MSVOA_W

ClientSampleId :

T9-12-13-B2-(0)

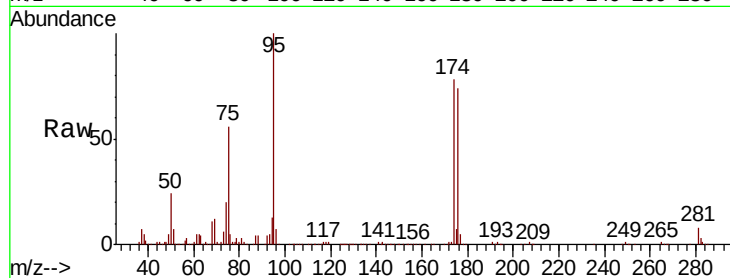
Tgt Ion: 75 Resp: 83598

Ion Ratio Lower Upper

75 100

53 0.2 89.4 134.0#

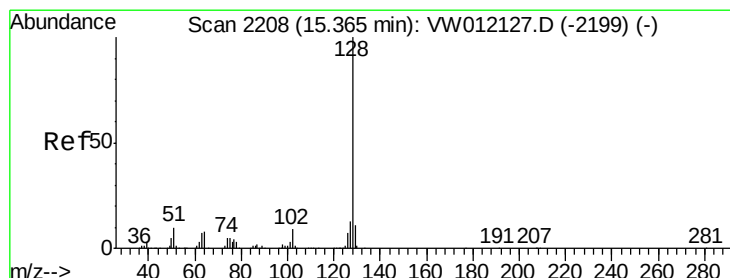
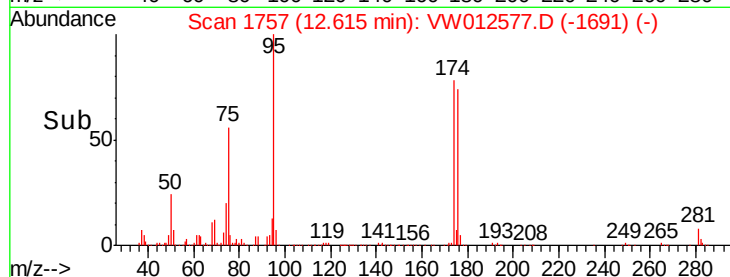
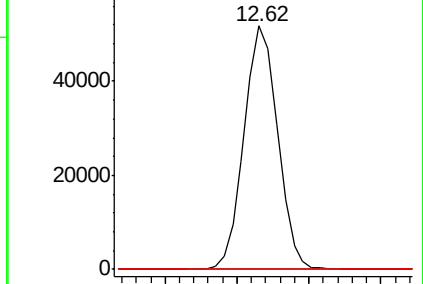
89 0.1 34.5 51.7#



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: 4.354 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW012577.D

Acq: 04 Sep 2019 05:41

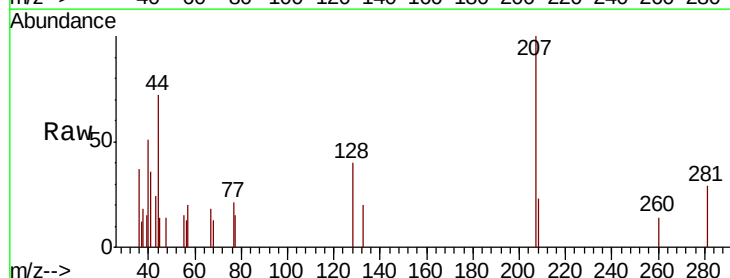
Tgt Ion: 128 Resp: 161

Ion Ratio Lower Upper

128 100

127 16.8 10.7 16.1#

129 0.0 8.7 13.1#



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

