

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW090119\
 Data File : VW012478.D
 Acq On : 02 Sep 2019 05:24
 Operator : SY/VA
 Sample : K4528-04
 Misc : 3.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 T9-12-13-Q2-(1.9)

Quant Time: Sep 02 07:26:24 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	233711	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	383243	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	309401	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	110050	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	153096	55.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.22%	
35) Dibromofluoromethane	7.88	113	119788	52.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.72%	
50) Toluene-d8	10.32	98	464434	50.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.14%	
62) 4-Bromofluorobenzene	12.62	95	141587	43.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.60%	

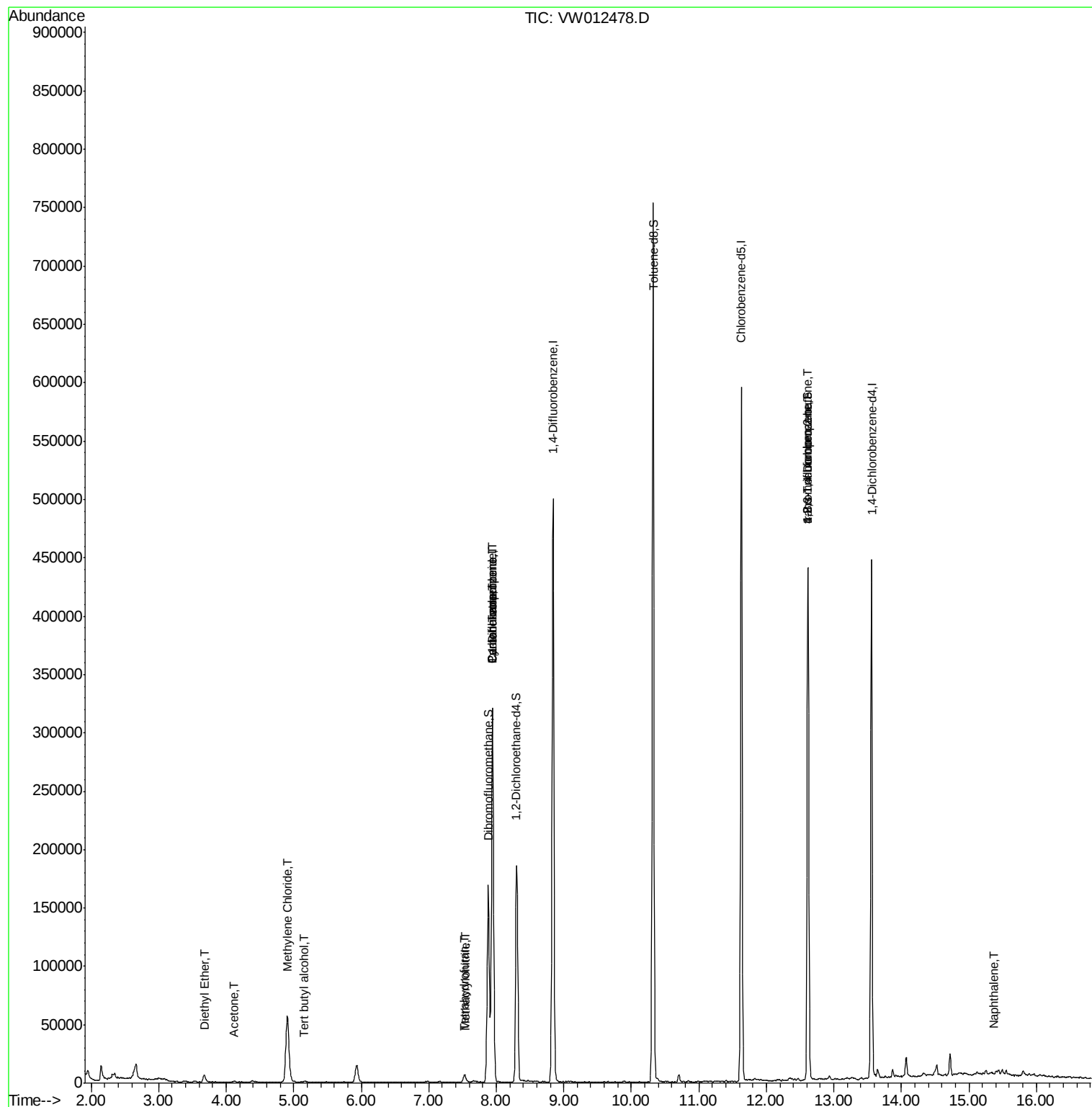
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	2952	2.270	ug/l	81
11) Tert butyl alcohol	5.15	59	489	2.925	ug/l	96
16) Acetone	4.11	43	962	1.355	ug/l #	73
20) Methylene Chloride	4.90	84	39963	14.885	ug/l	95
29) Tetrahydrofuran	7.52	42	5729	9.895	ug/l	96
31) Cyclohexane	7.95	56	5946	1.188	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	19755	4.988	ug/l #	52
38) Carbon Tetrachloride	7.95	117	23785	6.939	ug/l #	16
41) Methacrylonitrile	7.54	41	3604	2.826	ug/l #	27
76) 1,2,3-Trichloropropane	12.62	75	77205	72.032	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	77205	157.934	ug/l #	6
95) Naphthalene	15.37	128	152	4.355	ug/l #	38

(#) = 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: VW012478.D

Acq: 02 Sep 2019 05:24

Instrument :

MSVOA_W

ClientSampleId :

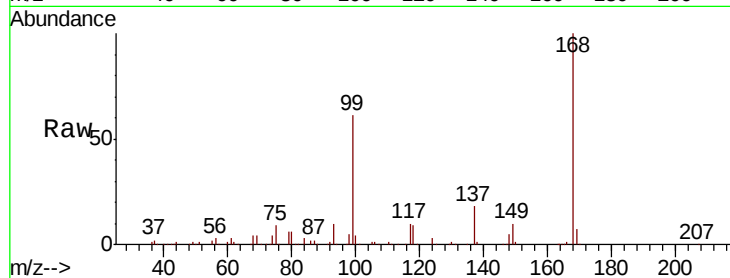
T9-12-13-Q2-(1.9)

Tgt Ion:168 Resp: 233711

Ion Ratio Lower Upper

168 100

99 60.6 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

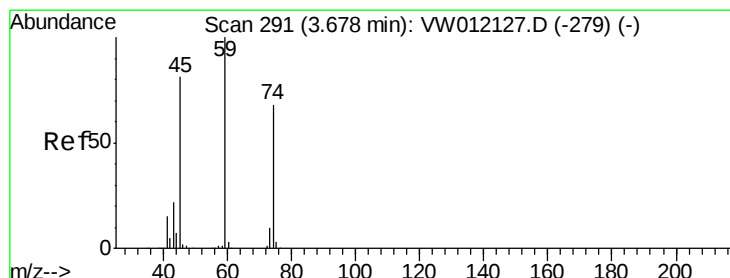
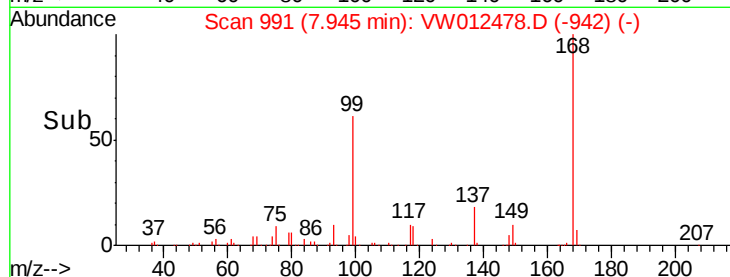
60000

40000

20000

0

Time-->



#8

Diethyl Ether

Concen: 2.270 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.00 min

Lab File: VW012478.D

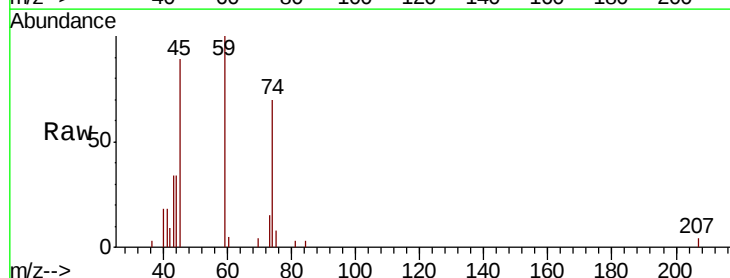
Acq: 02 Sep 2019 05:24

Tgt Ion: 74 Resp: 2952

Ion Ratio Lower Upper

74 100

45 139.8 59.2 177.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.68

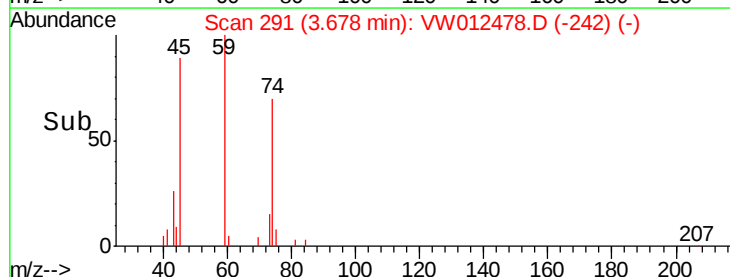
1500

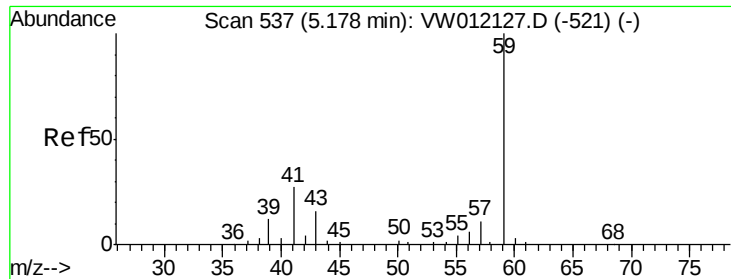
1000

500

0

Time-->

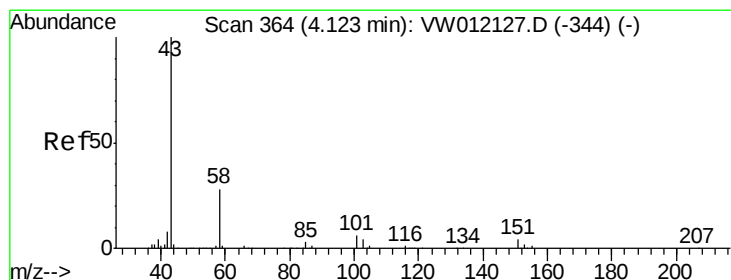
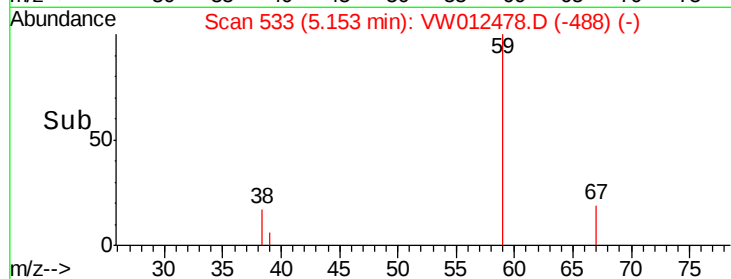
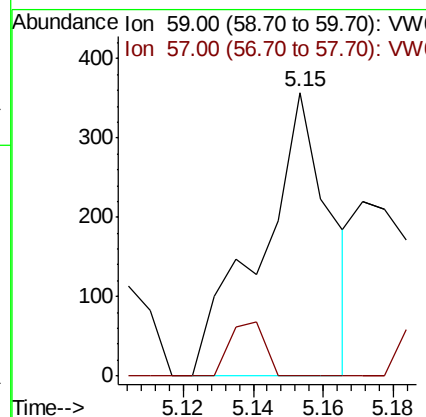
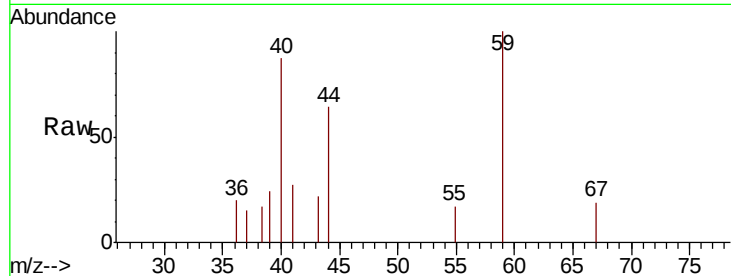




#11
Tert butyl alcohol
Concen: 2.925 ug/l
RT: 5.15 min Scan# 533
Delta R.T. -0.02 min
Lab File: VW012478.D
Acq: 02 Sep 2019 05:24

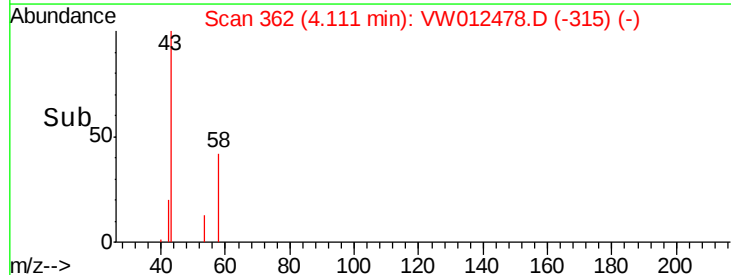
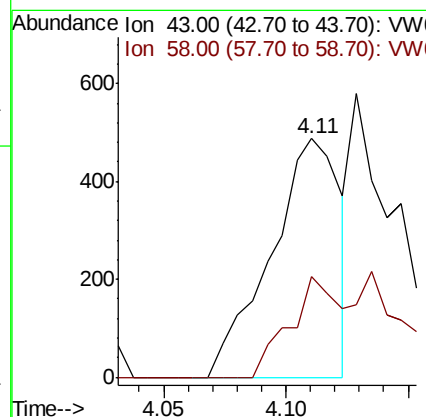
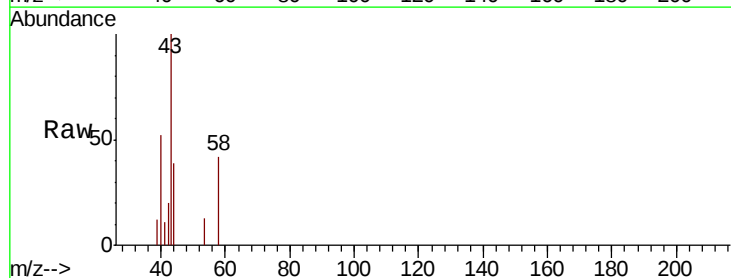
Instrument :
MSVOA_W
ClientSampleId :
T9-12-13-Q2-(1.9)

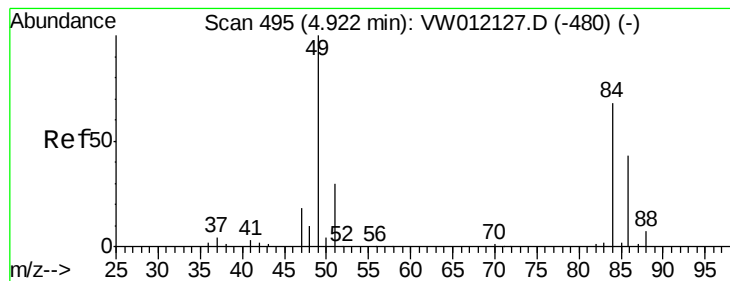
Tgt Ion: 59 Resp: 489
Ion Ratio Lower Upper
59 100
57 9.6 9.0 13.4



#16
Acetone
Concen: 1.355 ug/l
RT: 4.11 min Scan# 362
Delta R.T. -0.01 min
Lab File: VW012478.D
Acq: 02 Sep 2019 05:24

Tgt Ion: 43 Resp: 962
Ion Ratio Lower Upper
43 100
58 42.1 22.4 33.6#





#20

Methylene Chloride

Concen: 14.885 ug/l

RT: 4.90 min Scan# 492

Delta R.T. -0.02 min

Lab File: VW012478.D

Acq: 02 Sep 2019 05:24

Instrument :

MSVOA_W

ClientSampleId :

T9-12-13-Q2-(1.9)

Tgt Ion: 84 Resp: 39963

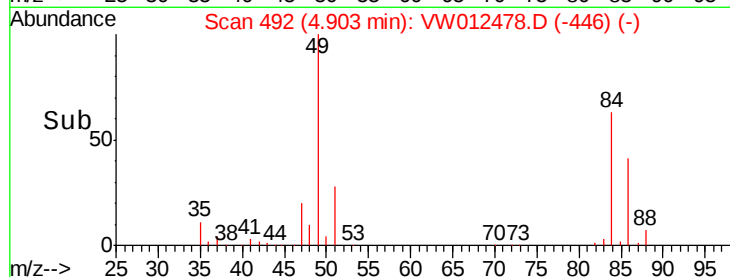
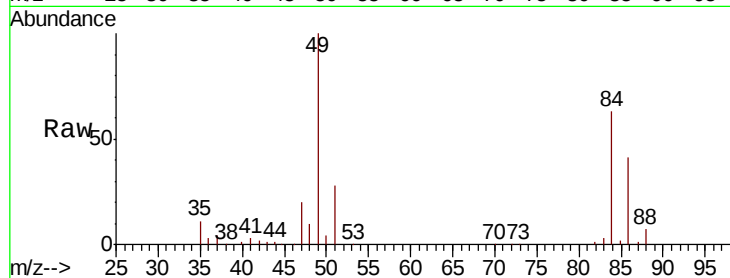
Ion Ratio Lower Upper

84 100

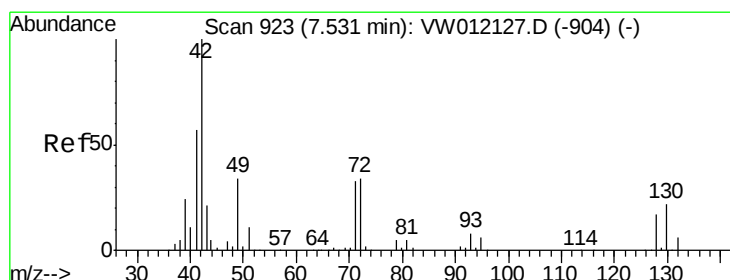
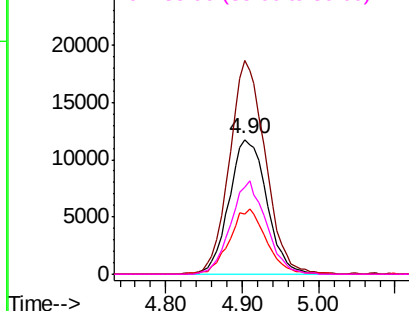
49 158.8 117.8 176.8

51 44.4 35.6 53.4

86 64.6 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: 9.895 ug/l

RT: 7.52 min Scan# 922

Delta R.T. -0.01 min

Lab File: VW012478.D

Acq: 02 Sep 2019 05:24

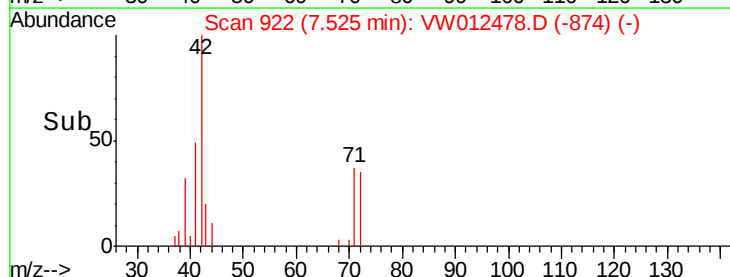
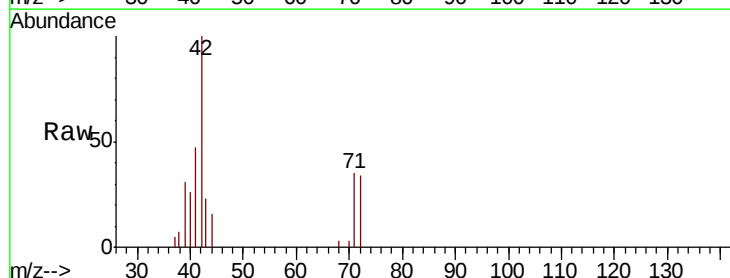
Tgt Ion: 42 Resp: 5729

Ion Ratio Lower Upper

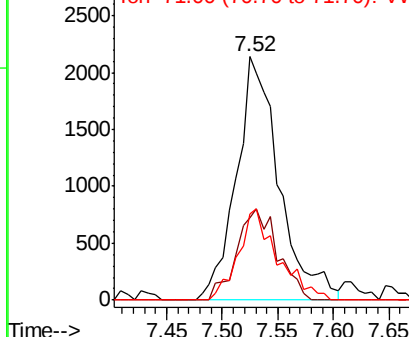
42 100

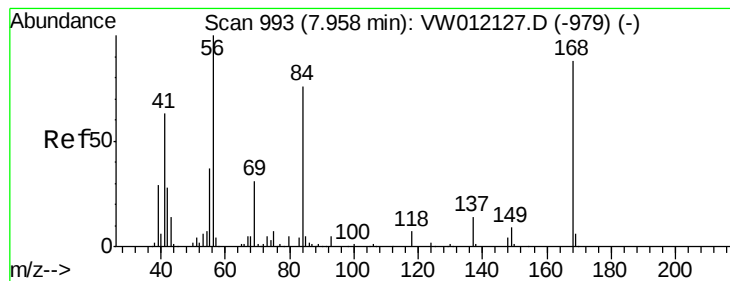
72 35.7 27.3 40.9

71 34.5 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: 1.188 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW012478.D

Acq: 02 Sep 2019 05:24

Instrument :

MSVOA_W

ClientSampleId :

T9-12-13-Q2-(1.9)

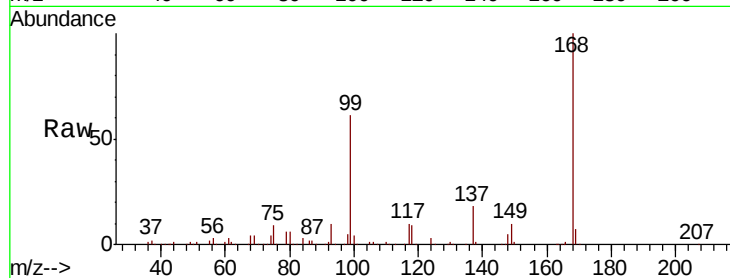
Tgt Ion: 56 Resp: 5946

Ion Ratio Lower Upper

56 100

69 167.5 24.9 37.3#

84 116.9 60.6 90.8#

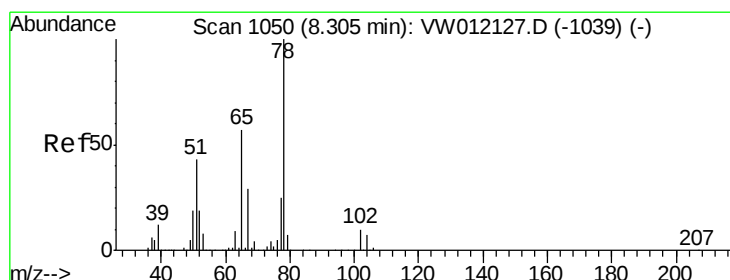
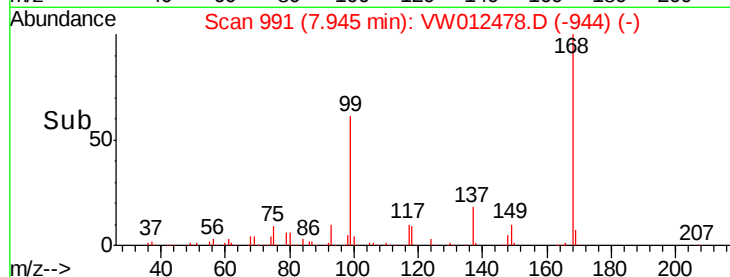
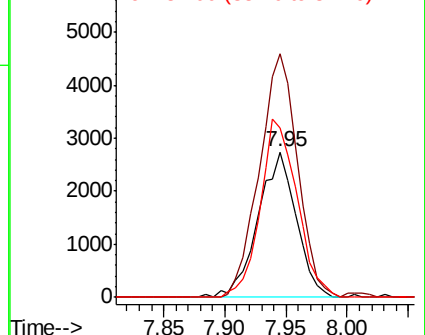


Abundance

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: 55.105 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW012478.D

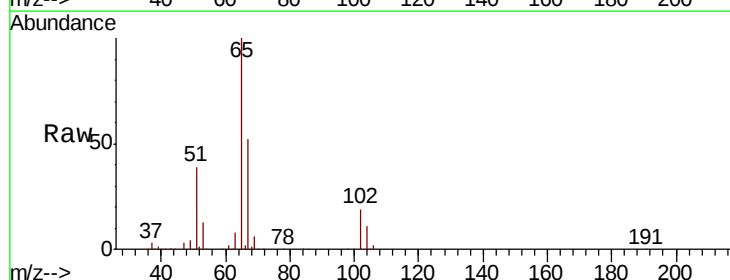
Acq: 02 Sep 2019 05:24

Tgt Ion: 65 Resp: 153096

Ion Ratio Lower Upper

65 100

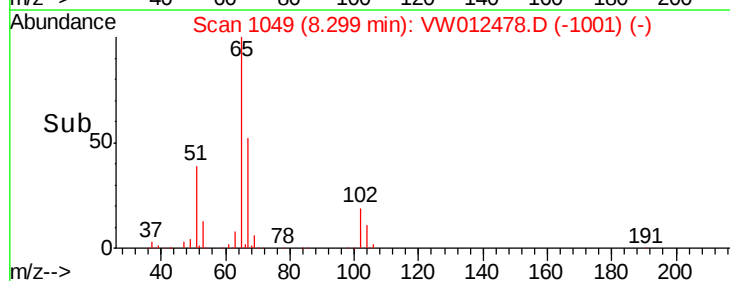
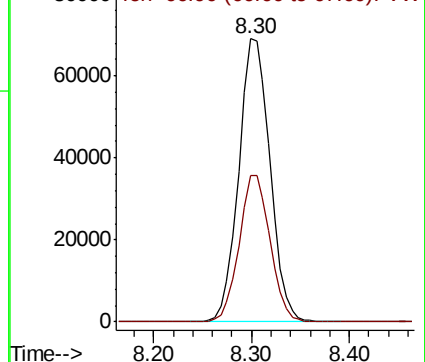
67 51.3 0.0 102.6

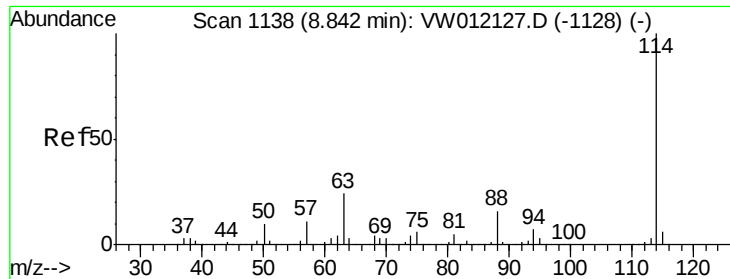


Abundance

Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

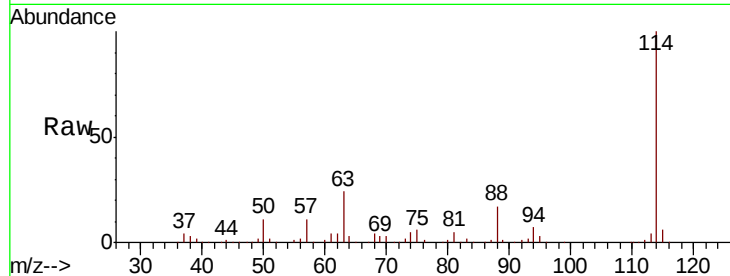




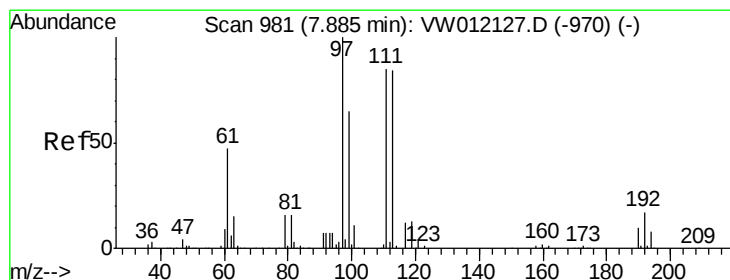
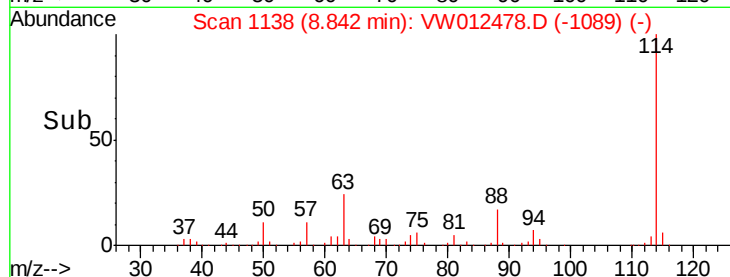
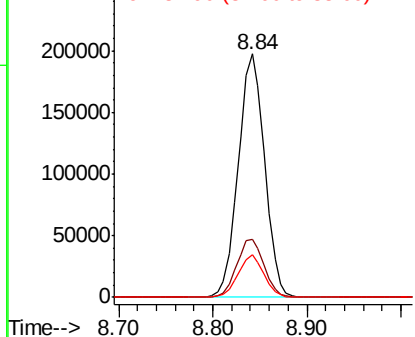
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012478.D
 Acq: 02 Sep 2019 05:24

Instrument :
 MSVOA_W
 ClientSampleId :
 T9-12-13-Q2-(1.9)

Tgt Ion:114 Resp: 383243
 Ion Ratio Lower Upper
 114 100
 63 23.9 0.0 48.6
 88 17.5 0.0 32.2

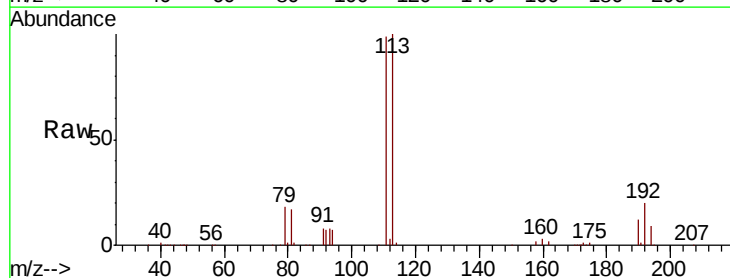


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

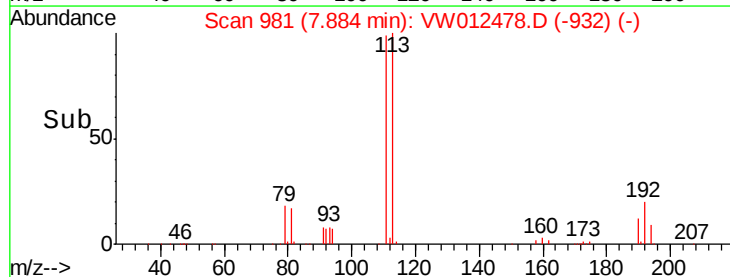
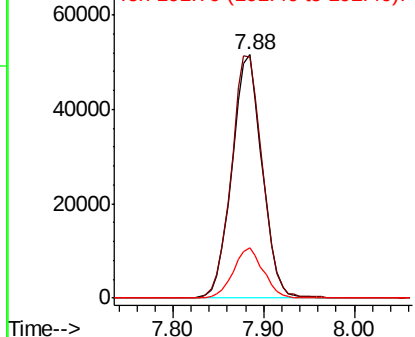


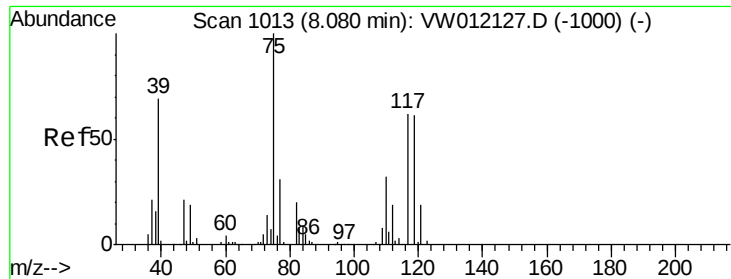
#35
 Dibromofluoromethane
 Concen: 52.364 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012478.D
 Acq: 02 Sep 2019 05:24

Tgt Ion:113 Resp: 119788
 Ion Ratio Lower Upper
 113 100
 111 102.4 82.7 124.1
 192 20.5 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

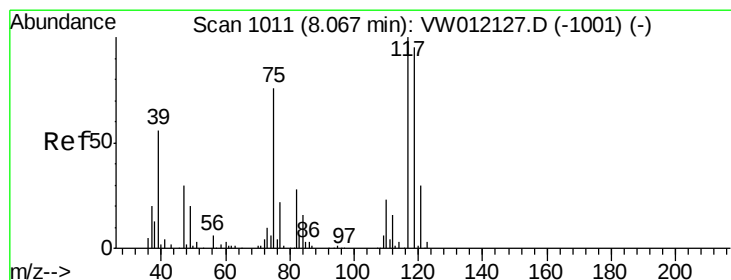
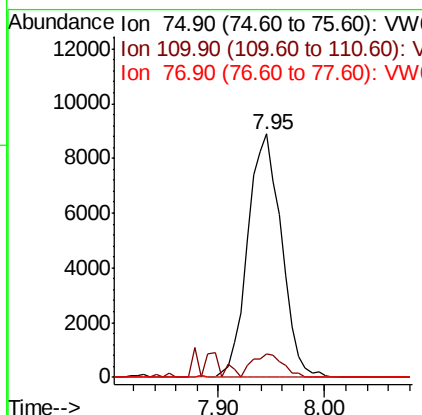
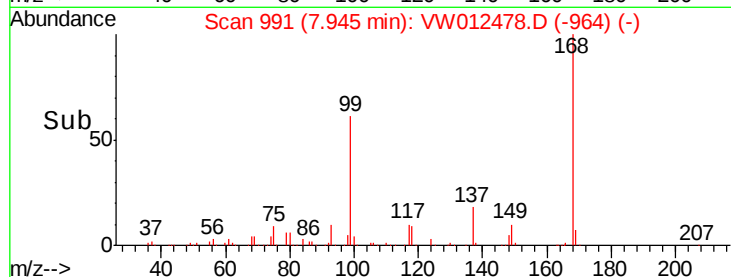
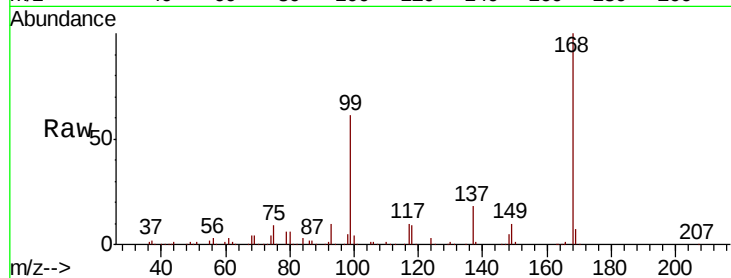




#36
 1,1-Dichloropropene
 Concen: 4.988 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012478.D
 Acq: 02 Sep 2019 05:24

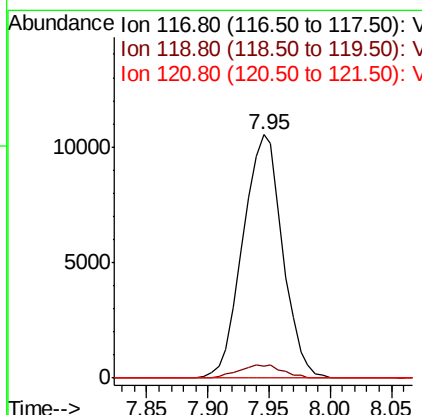
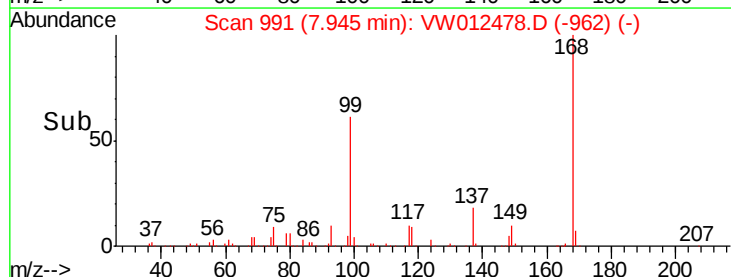
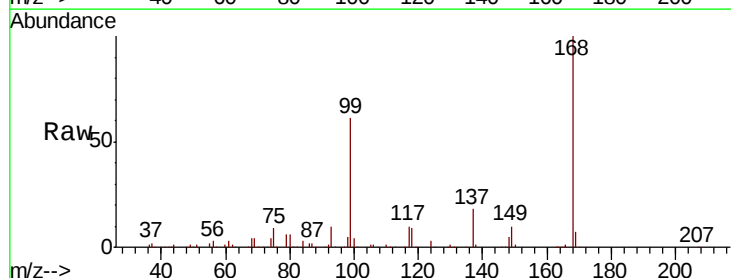
Instrument :
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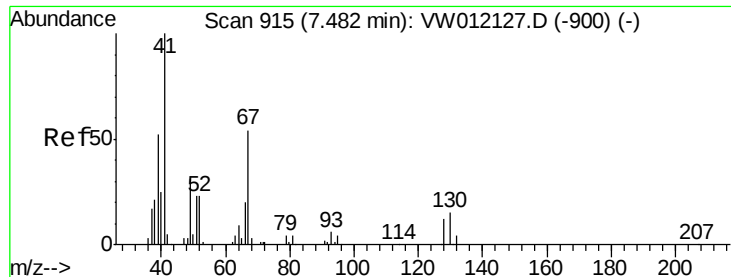
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.9	15.6	46.8#
77	0.0	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 6.939 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW012478.D
 Acq: 02 Sep 2019 05:24

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.9	76.2	114.2#
121	0.0	23.8	35.8#





#41

Methacrylonitrile

Concen: 2.826 ug/l

RT: 7.54 min Scan# 925

Delta R.T. 0.06 min

Lab File: VW012478.D

Acq: 02 Sep 2019 05:24

Instrument :

MSVOA_W

ClientSampleId :

T9-12-13-Q2-(1.9)

Tgt Ion: 41 Resp: 3604

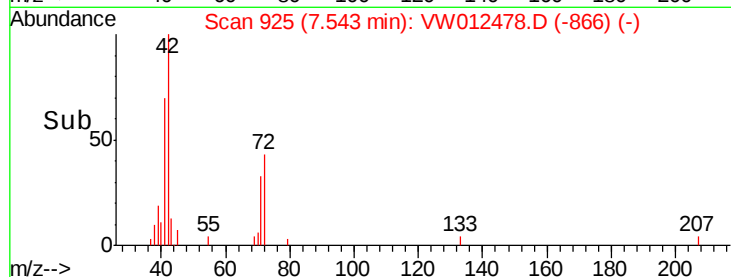
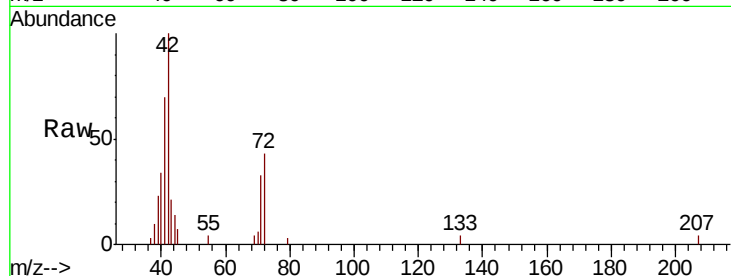
Ion Ratio Lower Upper

41 100

39 0.0 45.8 68.8#

67 0.0 46.2 69.4#

52 0.0 21.0 31.6#

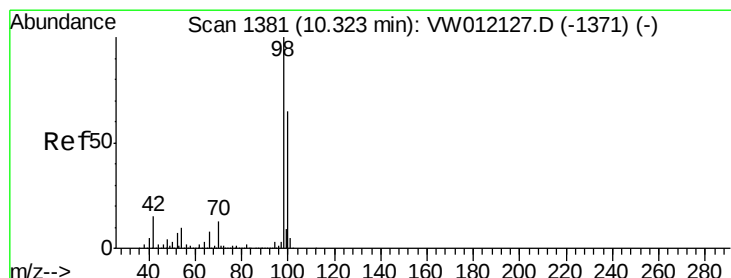
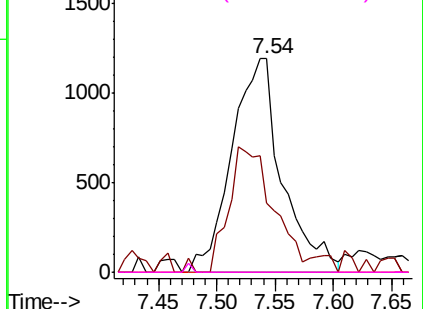


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#50

Toluene-d8

Concen: 50.071 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012478.D

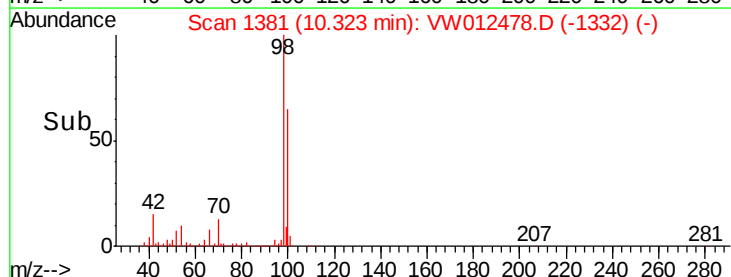
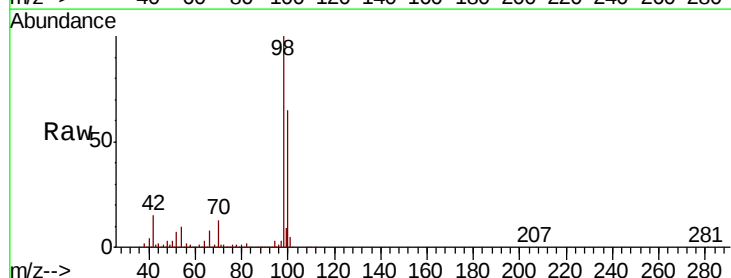
Acq: 02 Sep 2019 05:24

Tgt Ion: 98 Resp: 464434

Ion Ratio Lower Upper

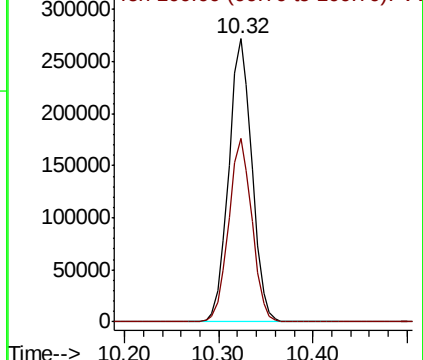
98 100

100 64.7 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

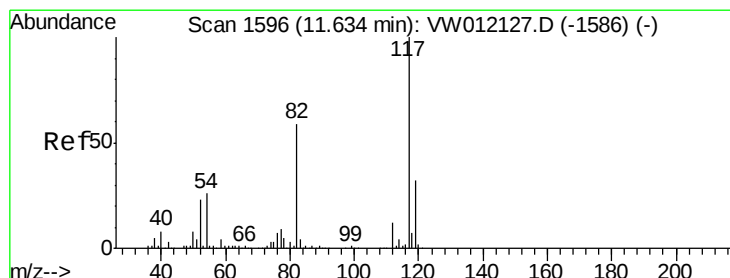
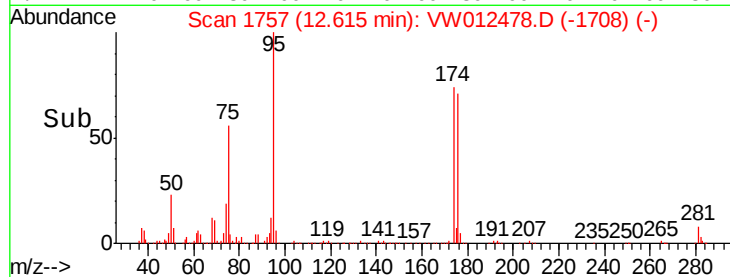
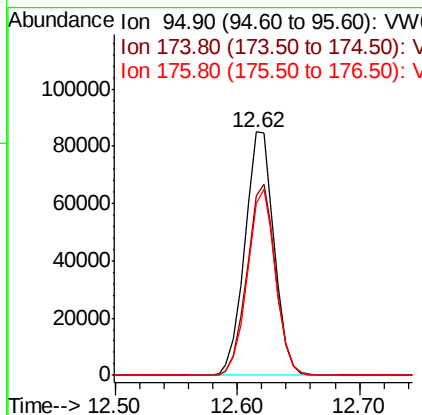
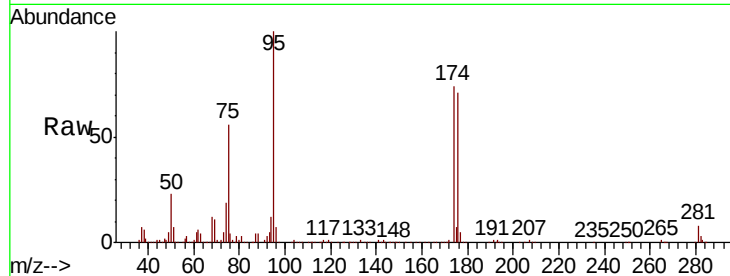




#62
4-Bromofluorobenzene
Concen: 43.304 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW012478.D
Acq: 02 Sep 2019 05:24

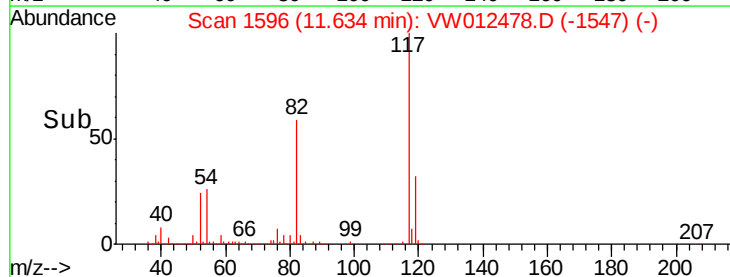
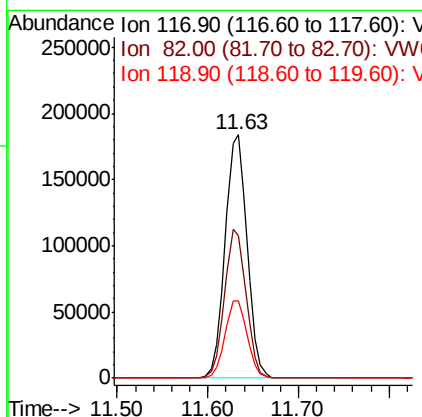
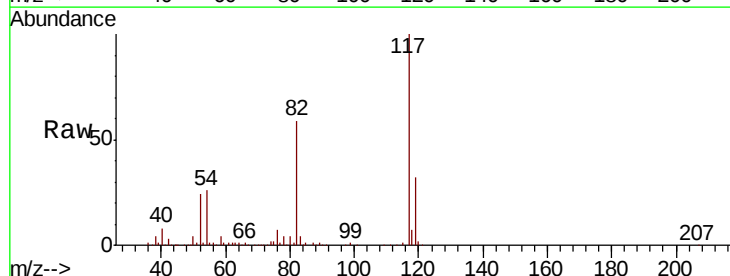
Instrument :
MSVOA_W
ClientSampleId :
T9-12-13-Q2-(1.9)

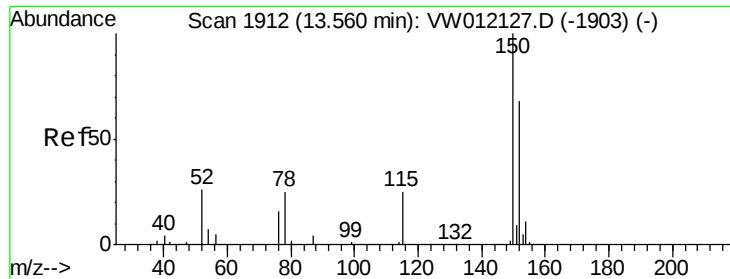
Tgt Ion: 95 Resp: 141587
Ion Ratio Lower Upper
95 100
174 76.6 0.0 150.8
176 73.3 0.0 148.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW012478.D
Acq: 02 Sep 2019 05:24

Tgt Ion: 117 Resp: 309401
Ion Ratio Lower Upper
117 100
82 58.6 47.4 71.2
119 31.8 25.4 38.2



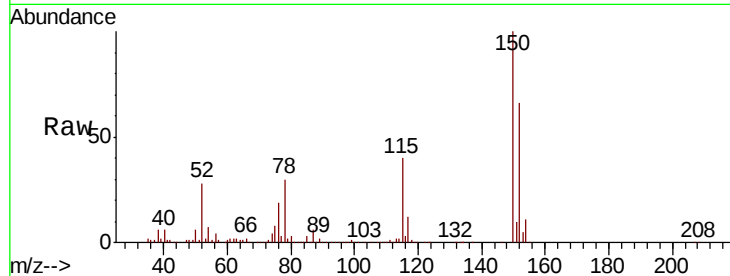


#72

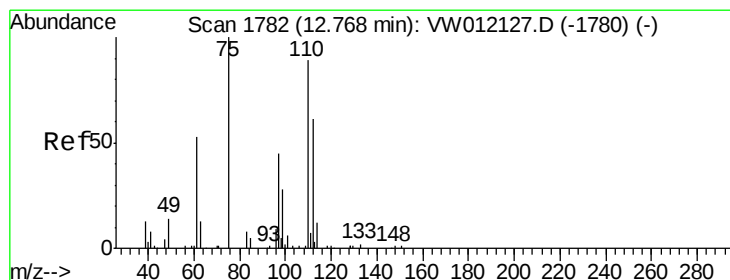
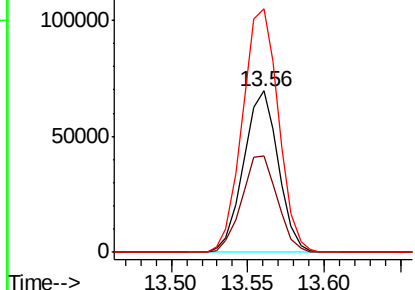
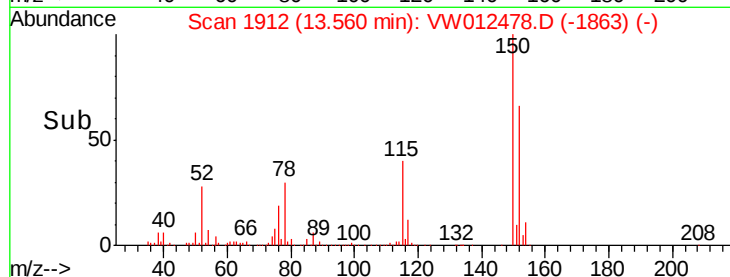
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012478.D
Acq: 02 Sep 2019 05:24

Instrument :
MSVOA_W
ClientSampleId :
T9-12-13-Q2-(1.9)

Tgt Ion:152 Resp: 110050
Ion Ratio Lower Upper
152 100
115 61.3 30.1 90.3
150 156.6 0.0 345.8



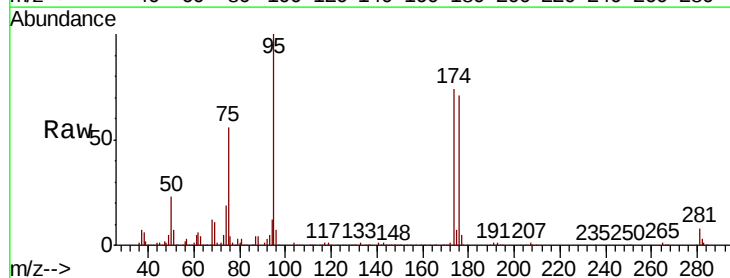
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



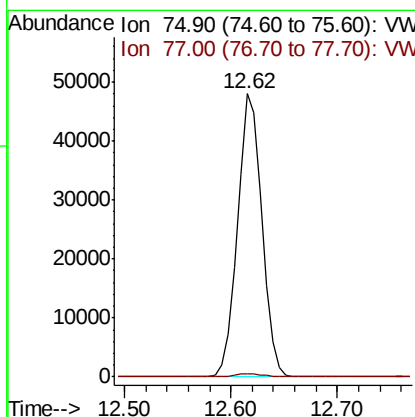
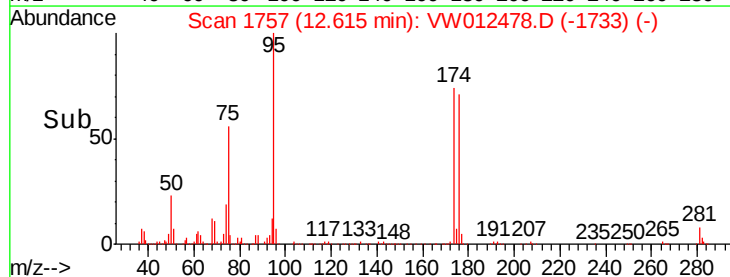
#76

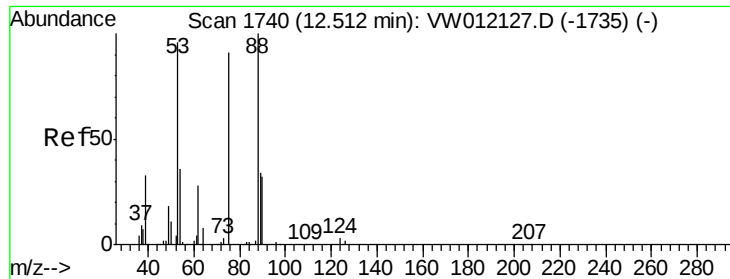
1,2,3-Trichloropropane
Concen: 72.032 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.15 min
Lab File: VW012478.D
Acq: 02 Sep 2019 05:24

Tgt Ion: 75 Resp: 77205
Ion Ratio Lower Upper
75 100
77 1.5 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: 157.934 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012478.D

Acq: 02 Sep 2019 05:24

Instrument :

MSVOA_W

ClientSampleId :

T9-12-13-Q2-(1.9)

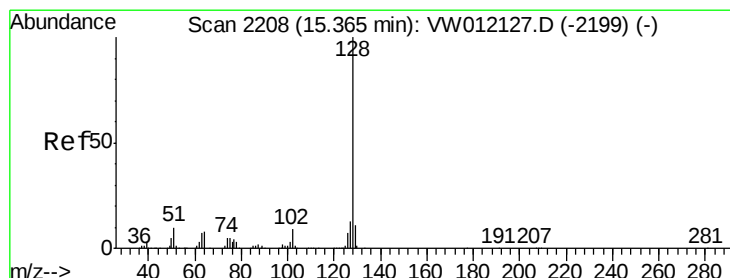
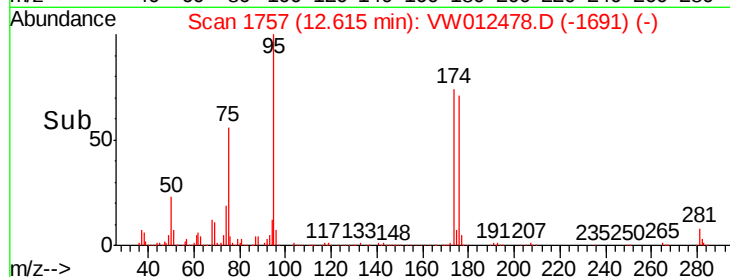
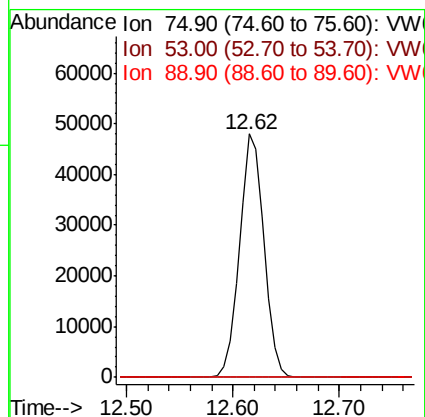
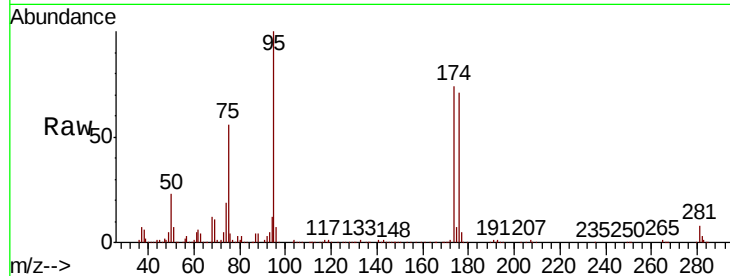
Tgt Ion: 75 Resp: 77205

Ion Ratio Lower Upper

75 100

53 0.2 89.4 134.0#

89 0.0 34.5 51.7#



#95

Naphthalene

Concen: 4.355 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.01 min

Lab File: VW012478.D

Acq: 02 Sep 2019 05:24

Tgt Ion: 128 Resp: 152

Ion Ratio Lower Upper

128 100

127 49.3 10.7 16.1#

129 0.0 8.7 13.1#

