

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW090119\
 Data File : VW012482.D
 Acq On : 02 Sep 2019 07:07
 Operator : SY/VA
 Sample : K4528-09
 Misc : 5.03G/5ML/MSVOA_W/SOIL
 ALS Vial : 49 Sample Multiplier: 1

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

Quant Time: Sep 02 07:31:51 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	138371	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	223294	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	181546	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	61817	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	92106	56.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.00%	
35) Dibromofluoromethane	7.88	113	71473	53.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.24%	
50) Toluene-d8	10.32	98	270294	50.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.02%	
62) 4-Bromofluorobenzene	12.62	95	80496	42.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.50%	

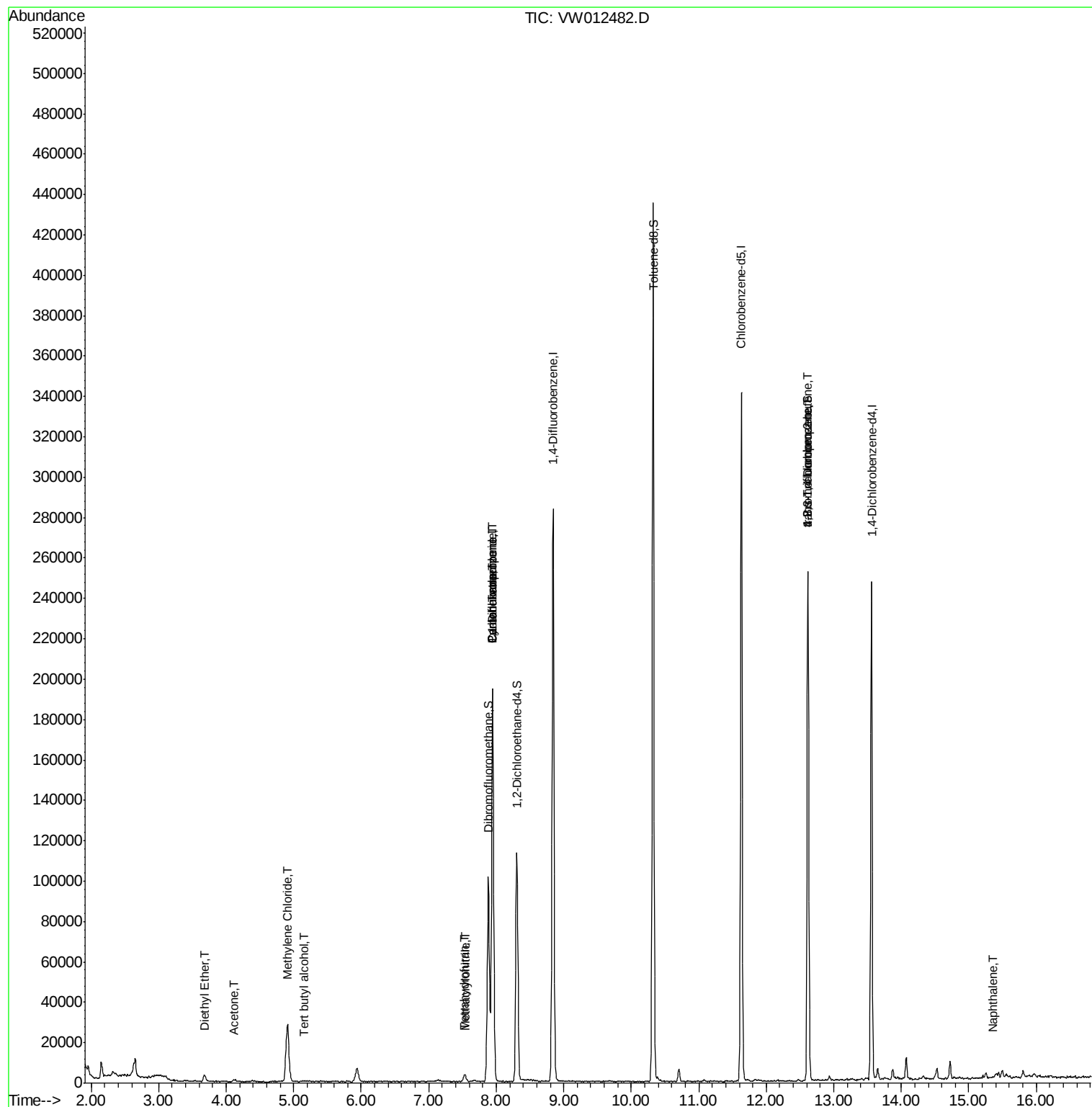
Target Compounds					Qvalue	
8) Diethyl Ether	3.68	74	1732	2.249	ug/l	96
11) Tert butyl alcohol	5.15	59	168	1.697	ug/l #	71
16) Acetone	4.11	43	1315	3.127	ug/l #	86
20) Methylene Chloride	4.90	84	19051	11.985	ug/l	96
29) Tetrahydrofuran	7.53	42	3153	9.198	ug/l	98
31) Cyclohexane	7.95	56	3503	1.182	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	11912	5.162	ug/l #	51
38) Carbon Tetrachloride	7.95	117	14112	7.066	ug/l #	16
41) Methacrylonitrile	7.54	41	1798	2.419	ug/l #	55
76) 1,2,3-Trichloropropane	12.62	75	44076	73.209	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	44076	160.514	ug/l #	6
95) Naphthalene	15.35	128	131	4.372	ug/l #	69

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

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW012482.D

Acq: 02 Sep 2019 07:07

Instrument :

MSVOA_W

ClientSampleId :

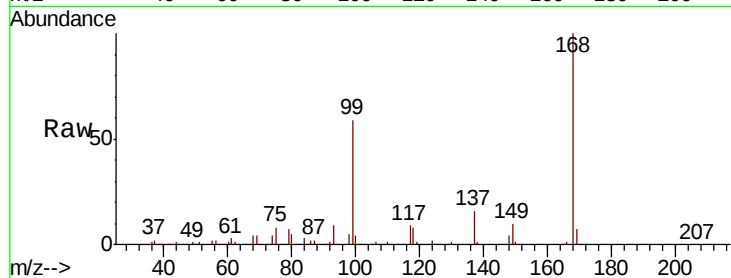
T9-12-13-R-(1.9)

Tgt Ion:168 Resp: 138371

Ion Ratio Lower Upper

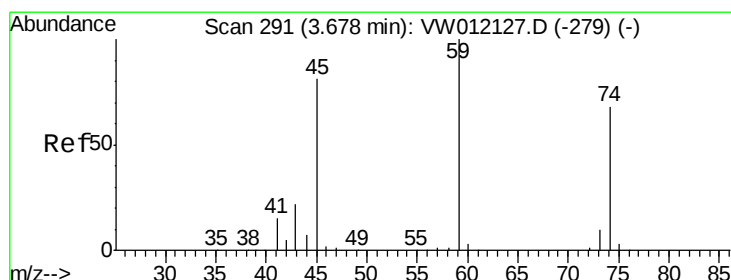
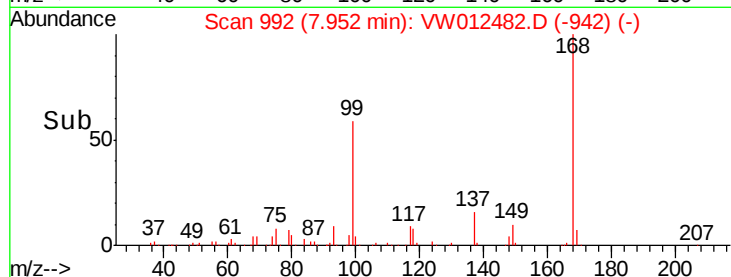
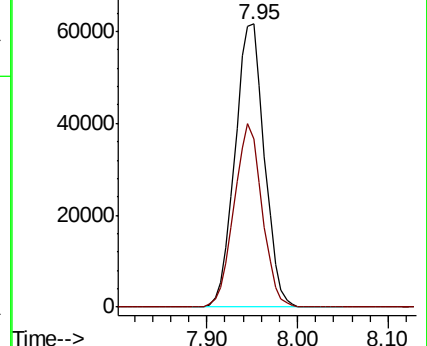
168 100

99 59.3 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: 2.249 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.00 min

Lab File: VW012482.D

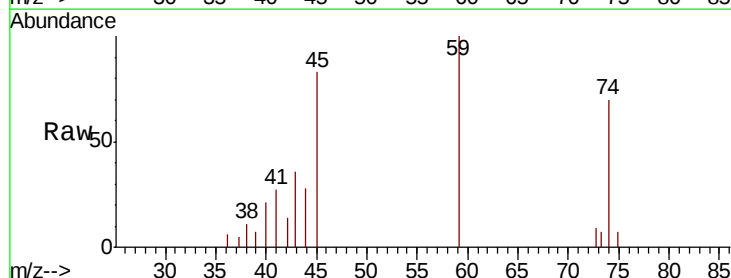
Acq: 02 Sep 2019 07:07

Tgt Ion: 74 Resp: 1732

Ion Ratio Lower Upper

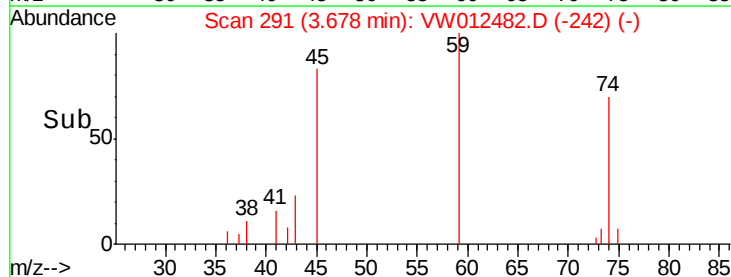
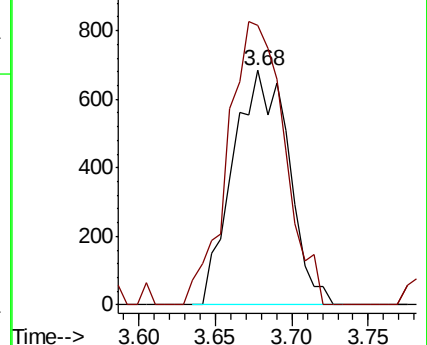
74 100

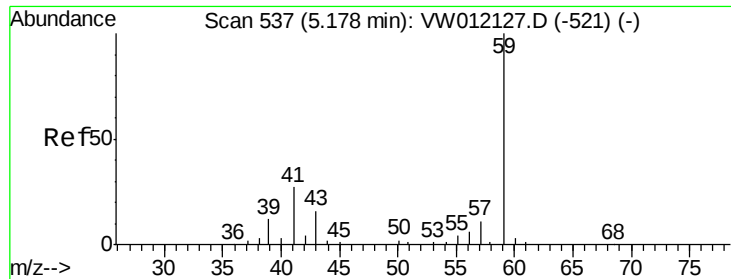
45 122.9 59.2 177.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

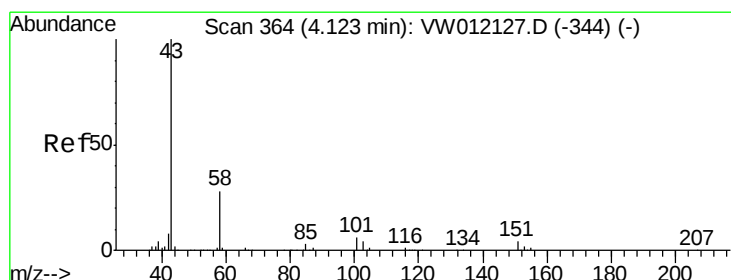
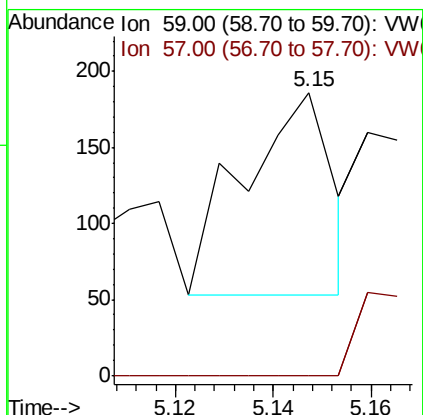
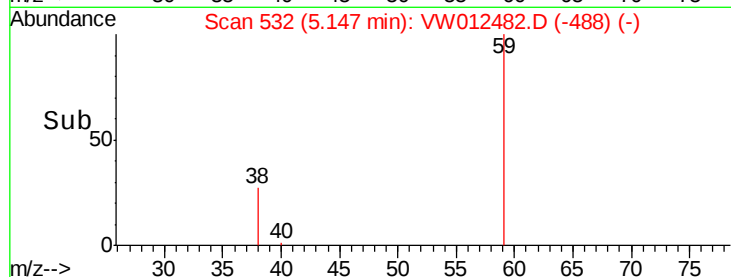
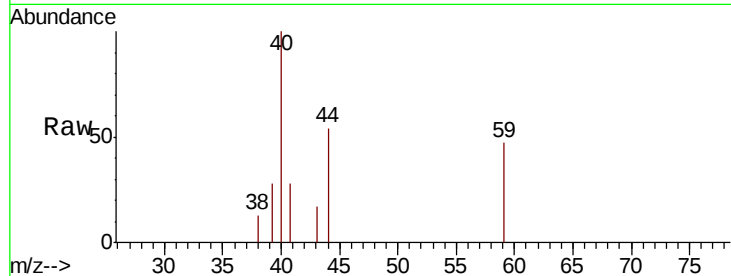




#11
Tert butyl alcohol
Concen: 1.697 ug/l
RT: 5.15 min Scan# 532
Delta R.T. -0.03 min
Lab File: VW012482.D
Acq: 02 Sep 2019 07:07

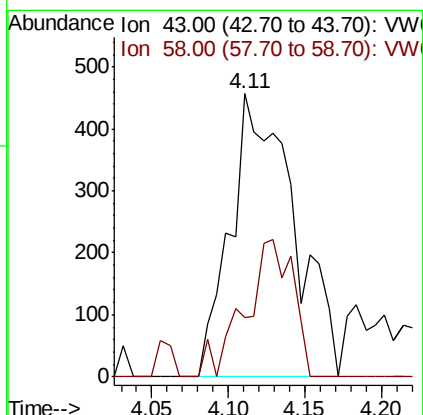
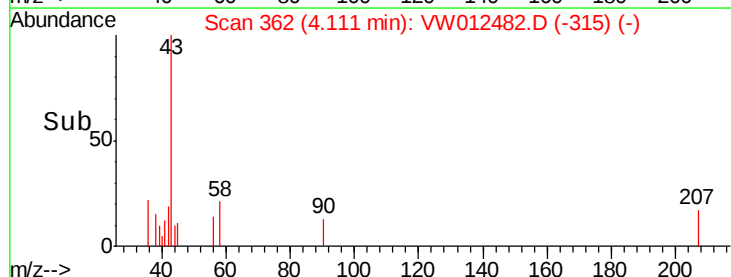
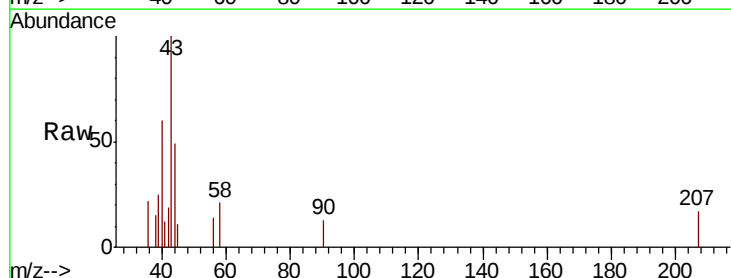
Instrument :
MSVOA_W
ClientSampleId :
T9-12-13-R-(1.9)

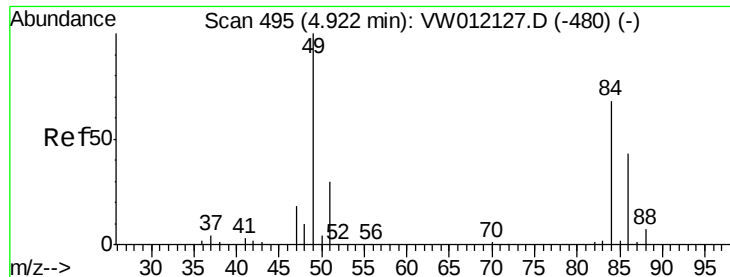
Tgt Ion: 59 Resp: 168
Ion Ratio Lower Upper
59 100
57 0.0 9.0 13.4#



#16
Acetone
Concen: 3.127 ug/l
RT: 4.11 min Scan# 362
Delta R.T. -0.01 min
Lab File: VW012482.D
Acq: 02 Sep 2019 07:07

Tgt Ion: 43 Resp: 1315
Ion Ratio Lower Upper
43 100
58 20.8 22.4 33.6#

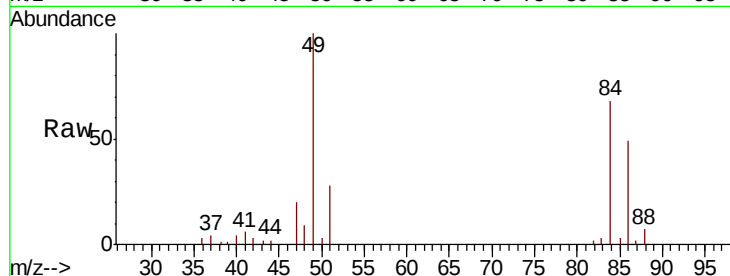




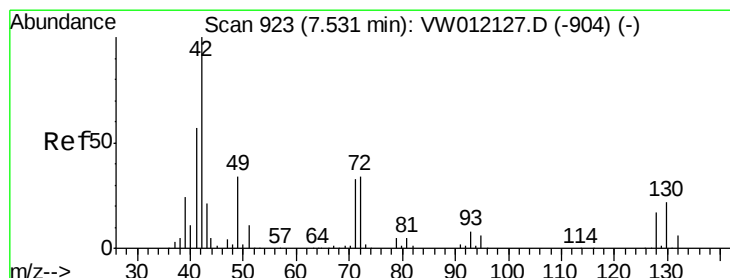
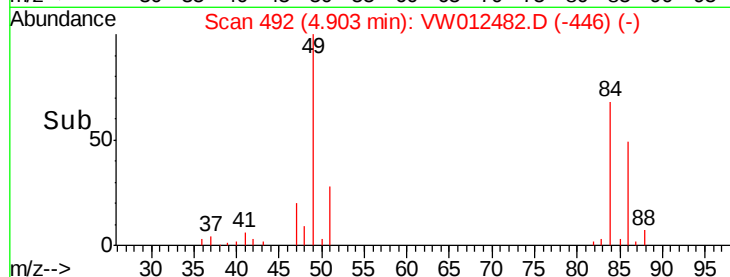
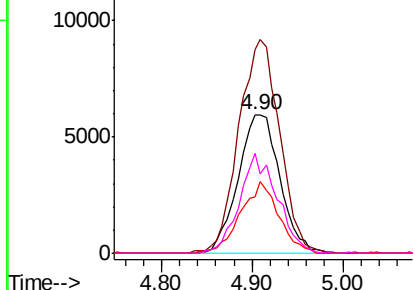
#20
Methylene Chloride
Concen: 11.985 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.02 min
Lab File: VW012482.D
Acq: 02 Sep 2019 07:07

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

Tgt Ion:	84	Resp:	19051
Ion	Ratio	Lower	Upper
84	100		
49	147.4	117.8	176.8
51	41.2	35.6	53.4
86	72.3	51.2	76.8

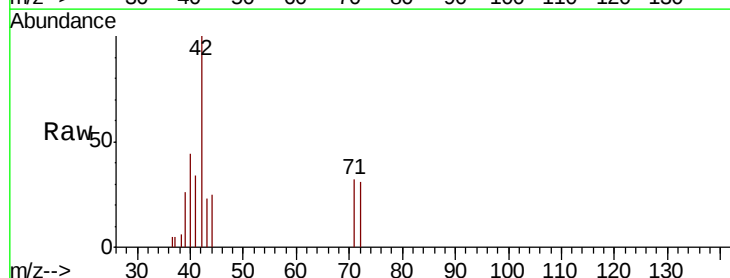


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

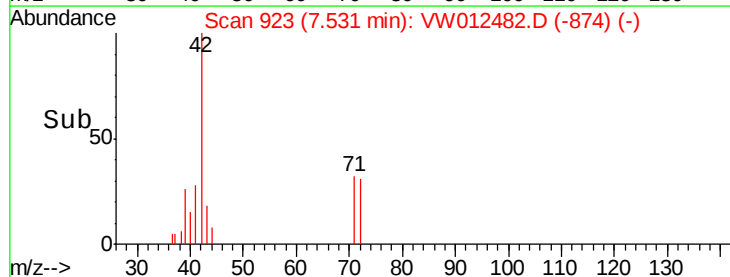
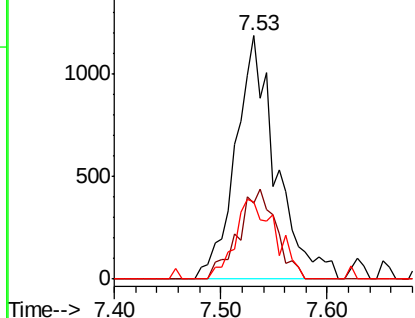


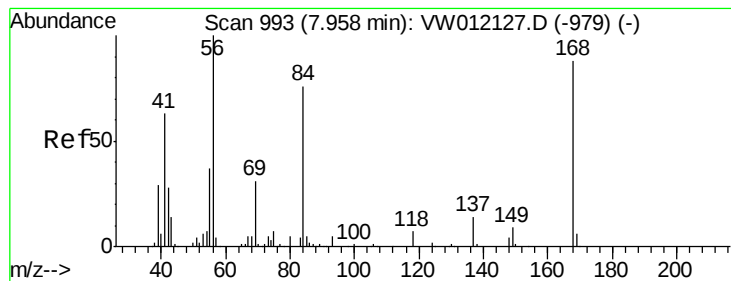
#29
Tetrahydrofuran
Concen: 9.198 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW012482.D
Acq: 02 Sep 2019 07:07

Tgt Ion:	42	Resp:	3153
Ion	Ratio	Lower	Upper
42	100		
72	34.7	27.3	40.9
71	33.1	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: 1.182 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW012482.D

Acq: 02 Sep 2019 07:07

Instrument :

MSVOA_W

ClientSampleId :

T9-12-13-R-(1.9)

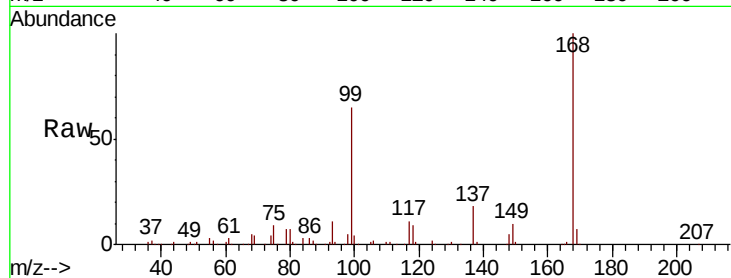
Tgt Ion: 56 Resp: 3503

Ion Ratio Lower Upper

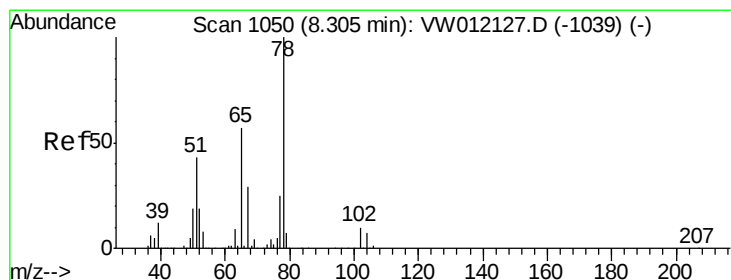
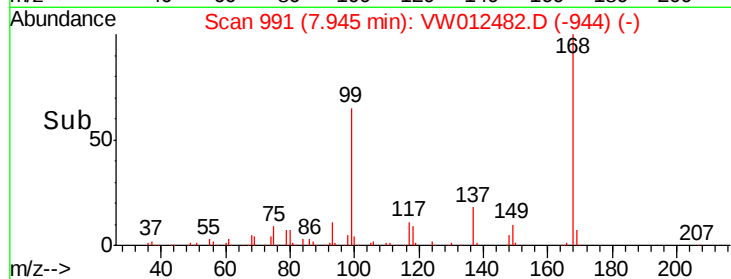
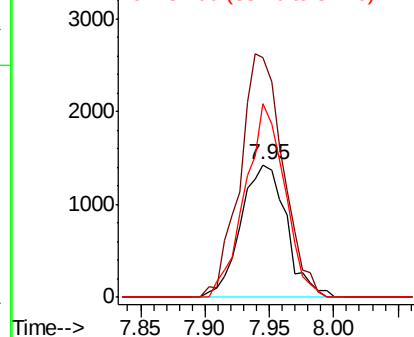
56 100

69 180.7 24.9 37.3#

84 145.4 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: 55.995 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012482.D

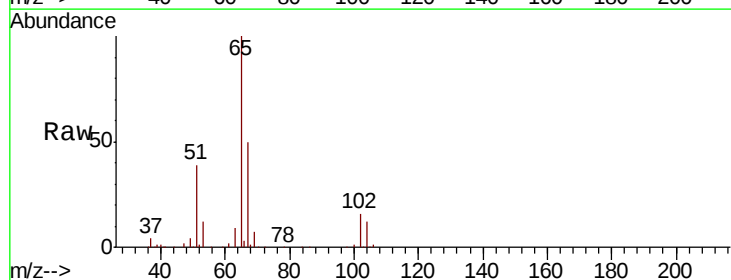
Acq: 02 Sep 2019 07:07

Tgt Ion: 65 Resp: 92106

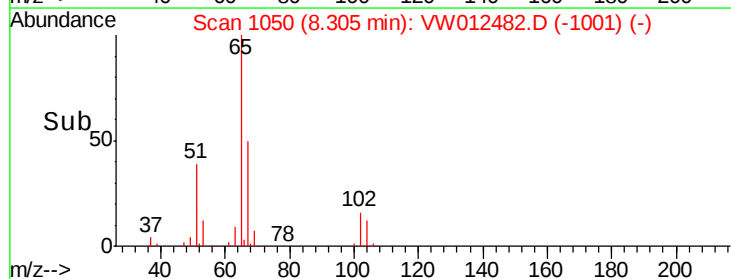
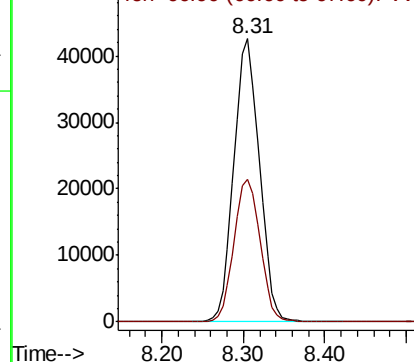
Ion Ratio Lower Upper

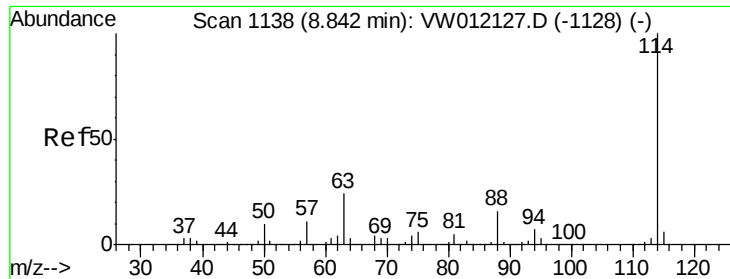
65 100

67 51.5 0.0 102.6



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

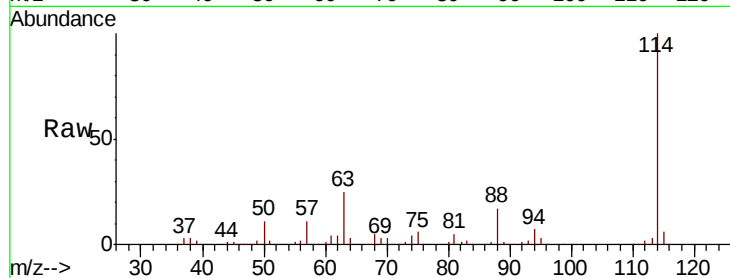




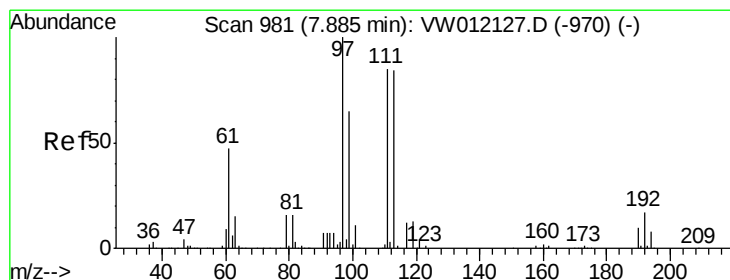
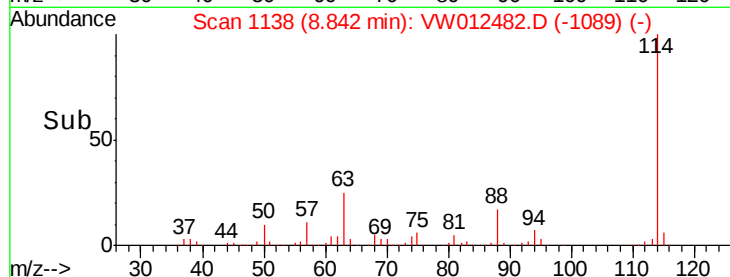
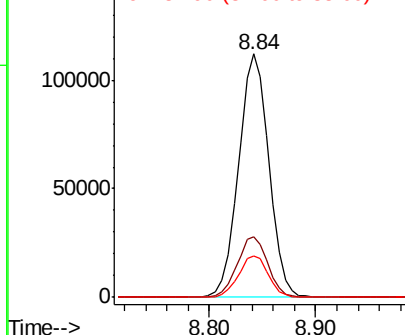
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012482.D
 Acq: 02 Sep 2019 07:07

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

Tgt Ion	Ratio	Lower	Upper
114	100		
63	24.8	0.0	48.6
88	16.9	0.0	32.2

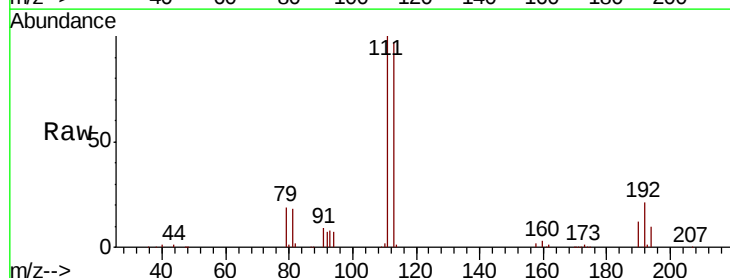


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

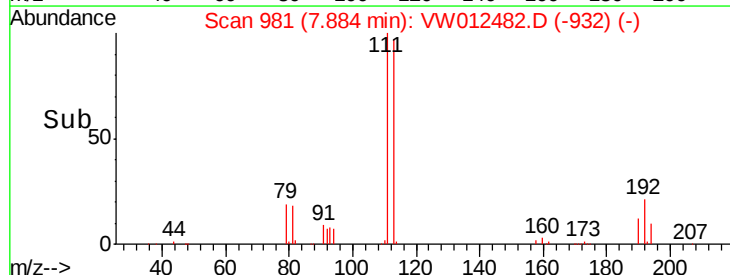
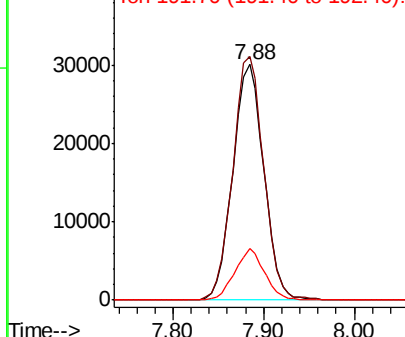


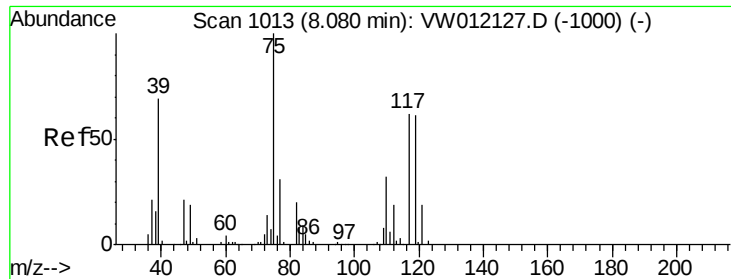
#35
 Dibromofluoromethane
 Concen: 53.624 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012482.D
 Acq: 02 Sep 2019 07:07

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.1	82.7	124.1
192	20.8	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

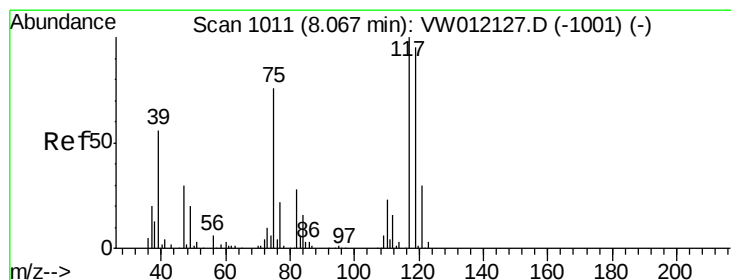
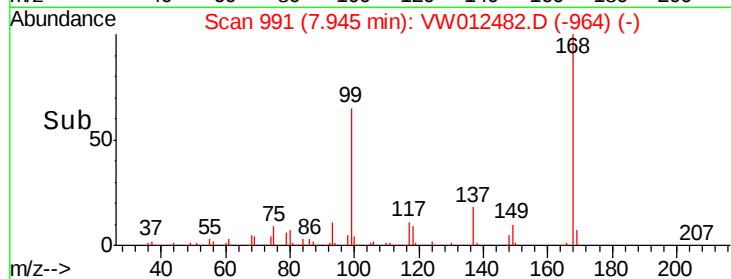
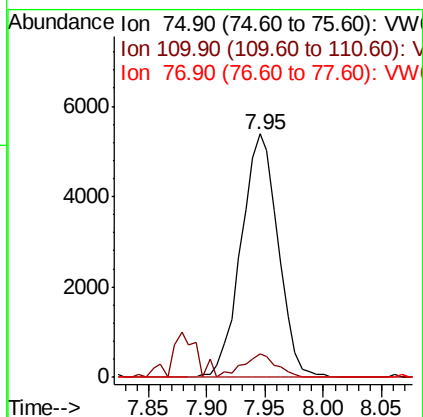
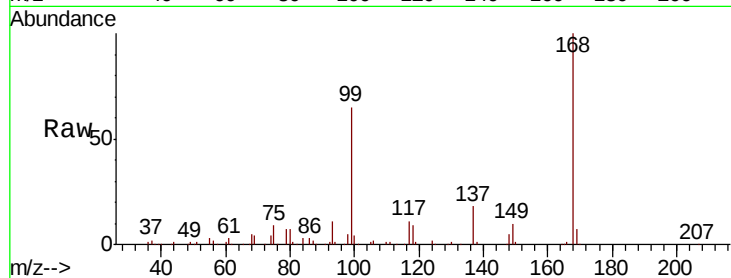




#36
 1,1-Dichloropropene
 Concen: 5.162 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012482.D
 Acq: 02 Sep 2019 07:07

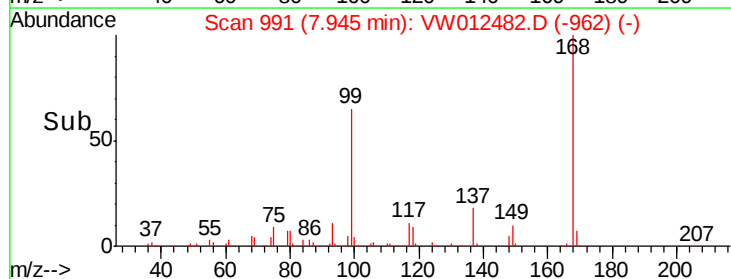
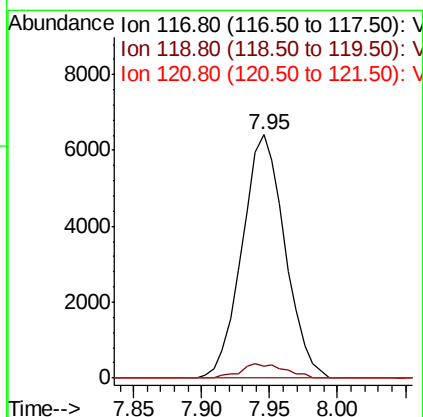
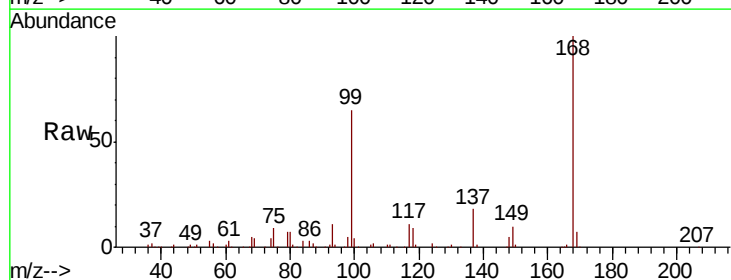
Instrument :
 MSVOA_W
 ClientSampleId :
 T9-12-13-R-(1.9)

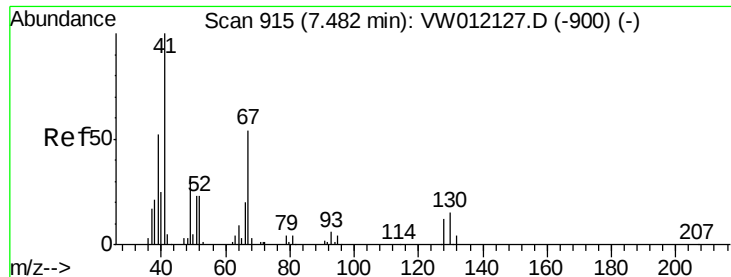
Tgt Ion: 75 Resp: 11912
 Ion Ratio Lower Upper
 75 100
 110 8.1 15.6 46.8#
 77 0.0 24.6 36.8#



#38
 Carbon Tetrachloride
 Concen: 7.066 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW012482.D
 Acq: 02 Sep 2019 07:07

Tgt Ion: 117 Resp: 14112
 Ion Ratio Lower Upper
 117 100
 119 5.0 76.2 114.2#
 121 0.0 23.8 35.8#





#41

Methacrylonitrile

Concen: 2.419 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.05 min

Lab File: VW012482.D

Acq: 02 Sep 2019 07:07

Instrument :

MSVOA_W

ClientSampleId :

T9-12-13-R-(1.9)

Tgt Ion: 41 Resp: 1798

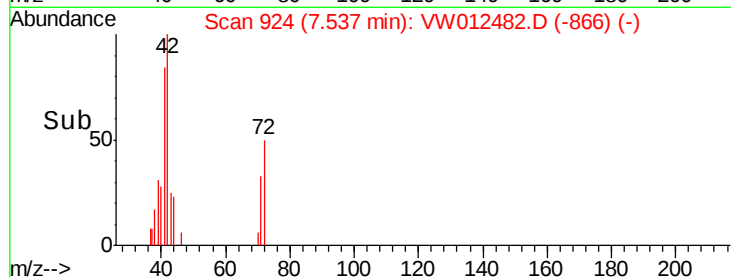
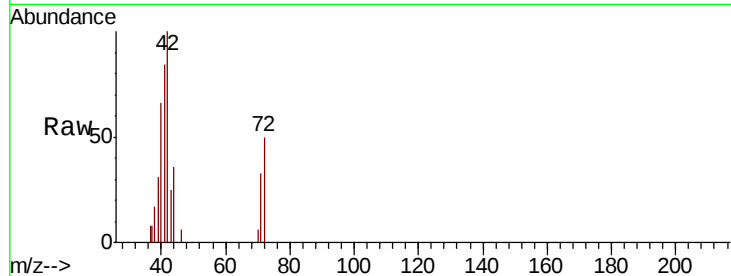
Ion Ratio Lower Upper

41 100

39 64.0 45.8 68.8

67 0.0 46.2 69.4#

52 0.0 21.0 31.6#

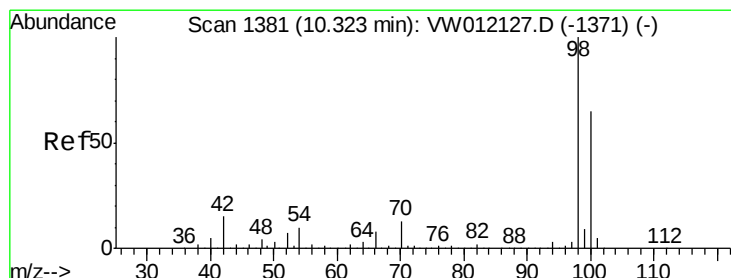
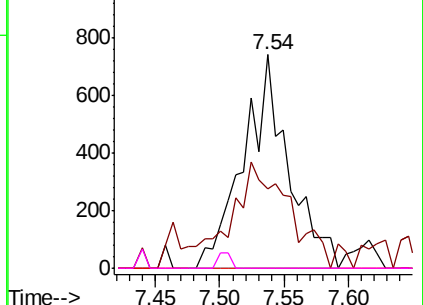


Abundance Ion 41.00 (40.70 to 41.70): VW

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: 50.015 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012482.D

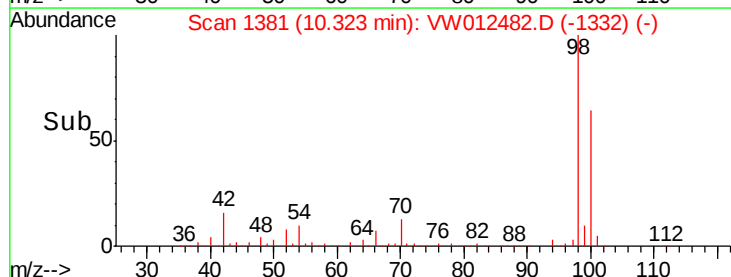
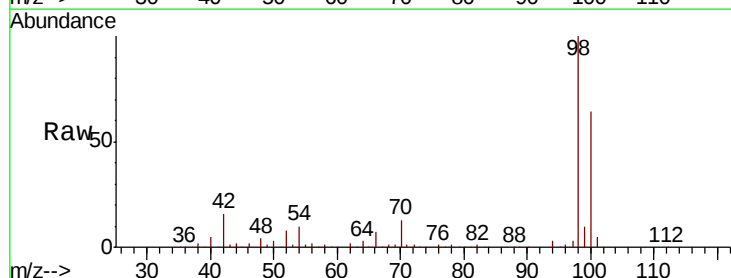
Acq: 02 Sep 2019 07:07

Tgt Ion: 98 Resp: 270294

Ion Ratio Lower Upper

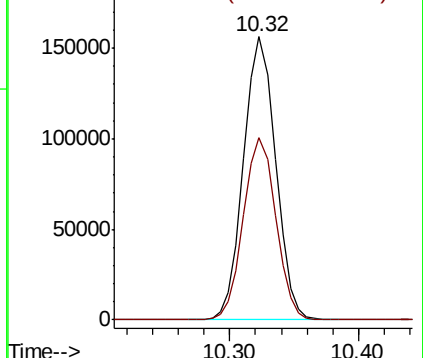
98 100

100 65.3 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

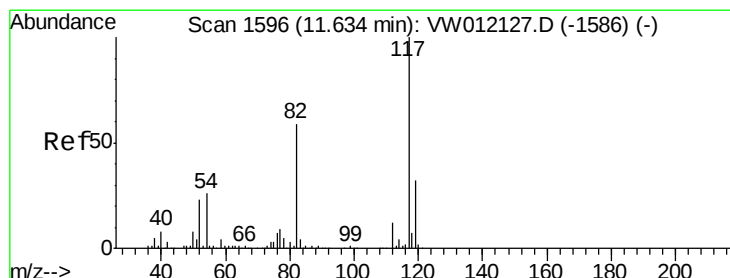
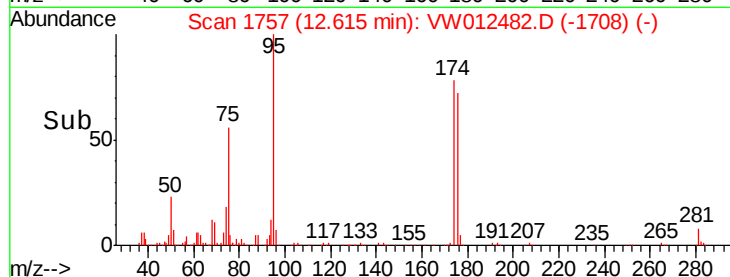
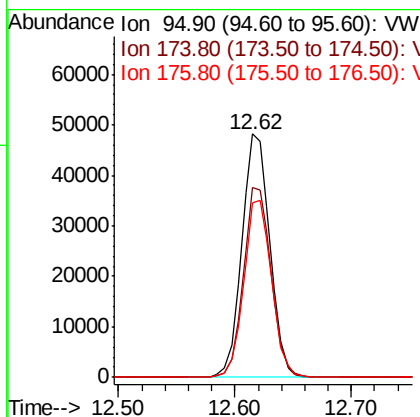
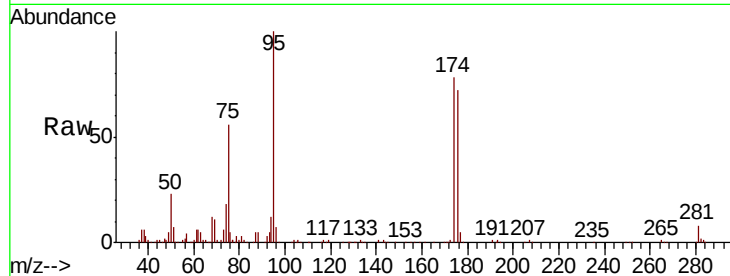




#62
4-Bromofluorobenzene
Concen: 42.255 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW012482.D
Acq: 02 Sep 2019 07:07

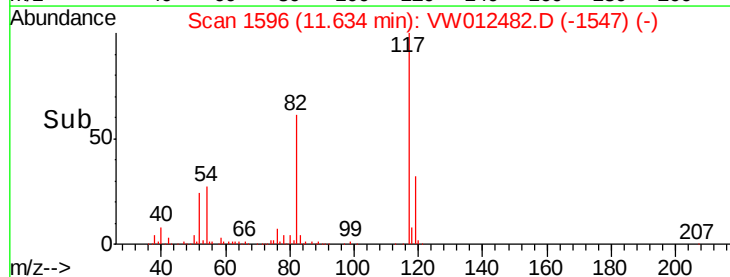
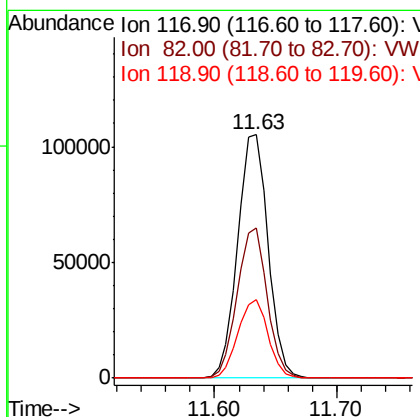
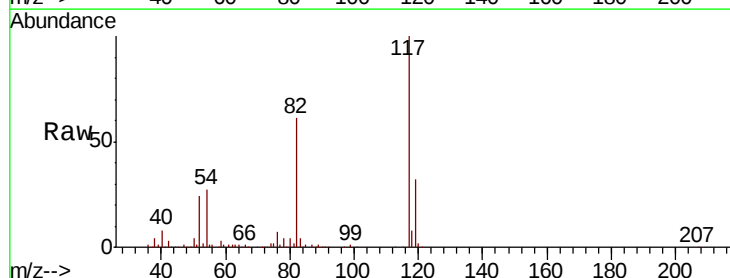
Instrument :
MSVOA_W
ClientSampleId :
T9-12-13-R-(1.9)

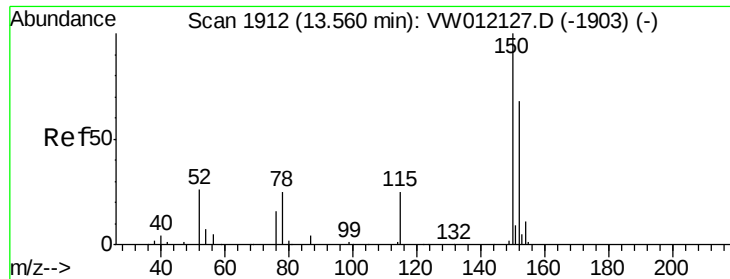
Tgt Ion: 95 Resp: 80496
Ion Ratio Lower Upper
95 100
174 77.1 0.0 150.8
176 72.5 0.0 148.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW012482.D
Acq: 02 Sep 2019 07:07

Tgt Ion: 117 Resp: 181546
Ion Ratio Lower Upper
117 100
82 61.4 47.4 71.2
119 32.3 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: VW012482.D

Acq: 02 Sep 2019 07:07

Instrument :

MSVOA_W

ClientSampleId :

T9-12-13-R-(1.9)

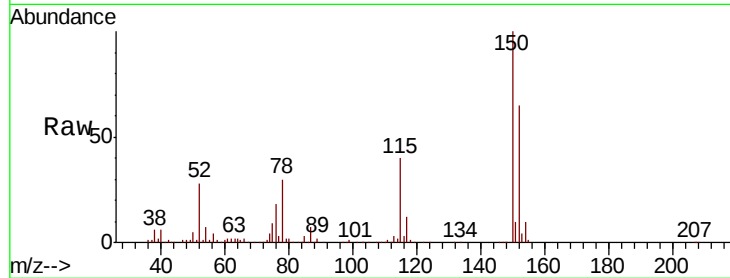
Tgt Ion:152 Resp: 61817

Ion Ratio Lower Upper

152 100

115 61.9 30.1 90.3

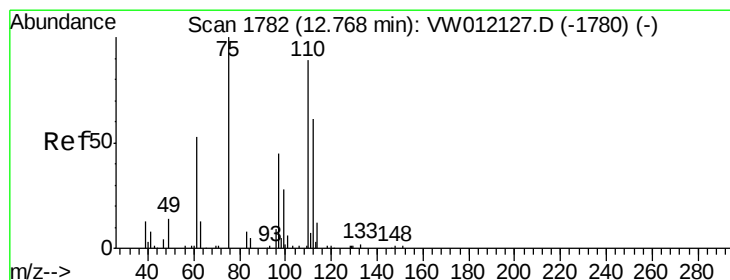
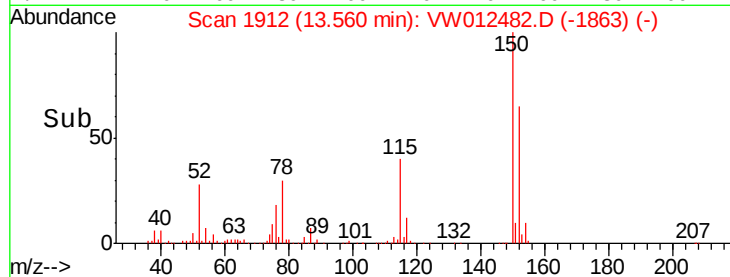
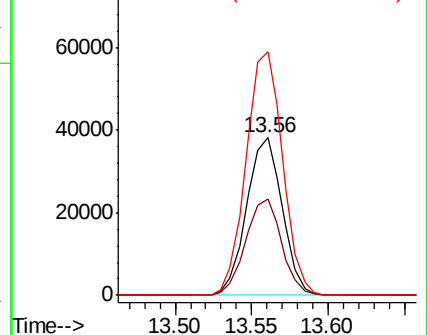
150 158.5 0.0 345.8



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: 73.209 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012482.D

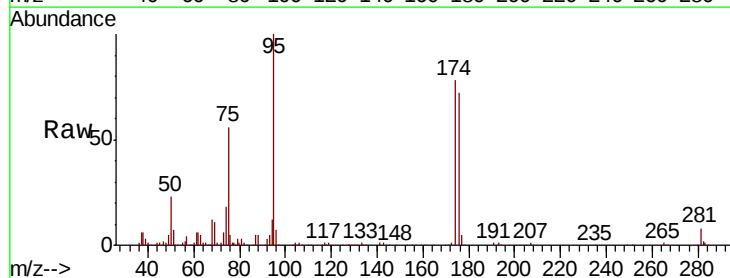
Acq: 02 Sep 2019 07:07

Tgt Ion: 75 Resp: 44076

Ion Ratio Lower Upper

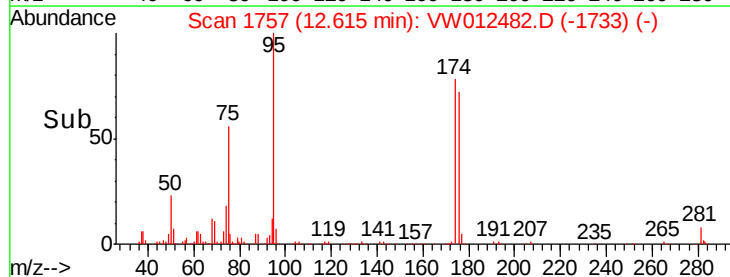
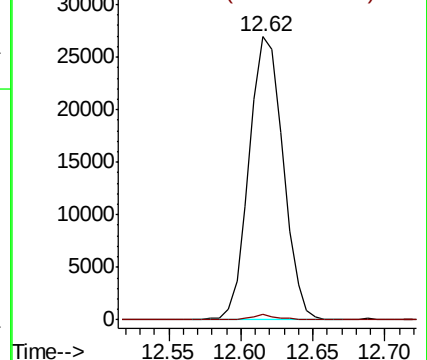
75 100

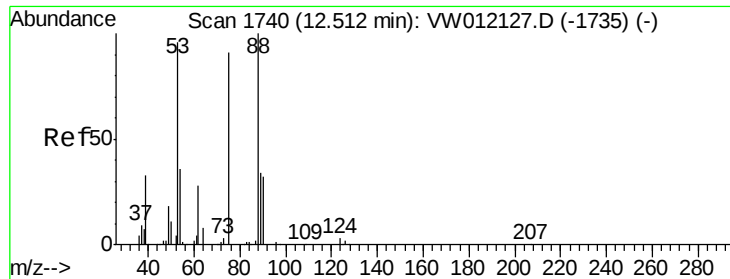
77 1.5 0.0 0.0#



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: 160.514 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012482.D

Acq: 02 Sep 2019 07:07

Instrument :

MSVOA_W

ClientSampleId :

T9-12-13-R-(1.9)

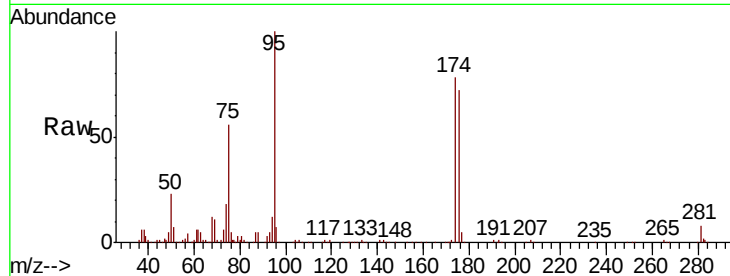
Tgt Ion: 75 Resp: 44076

Ion Ratio Lower Upper

75 100

53 0.3 89.4 134.0#

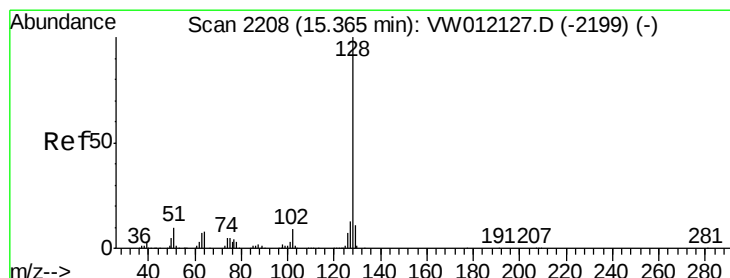
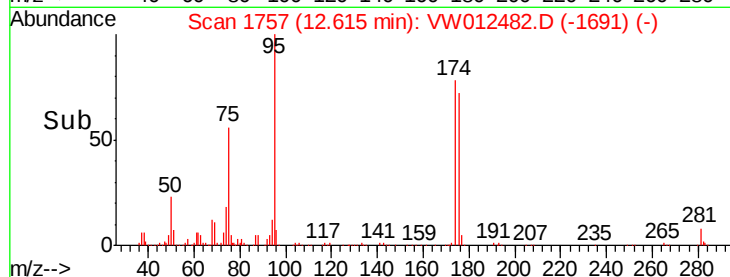
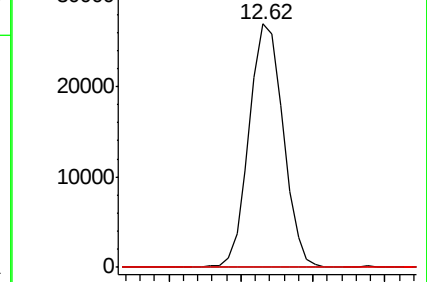
89 0.0 34.5 51.7#



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: 4.372 ug/l

RT: 15.35 min Scan# 2206

Delta R.T. -0.01 min

Lab File: VW012482.D

Acq: 02 Sep 2019 07:07

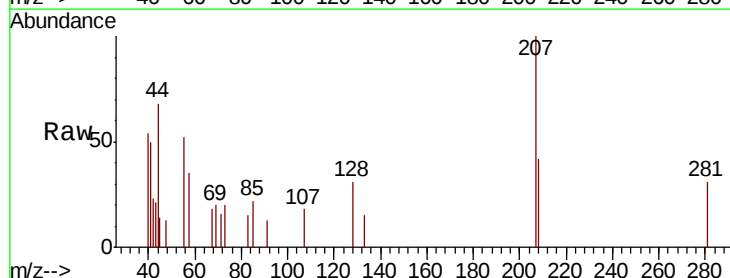
Tgt Ion: 128 Resp: 131

Ion Ratio Lower Upper

128 100

127 0.0 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

