

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW051019\
 Data File : VW010357.D
 Acq On : 10 May 2019 15:40
 Operator : SY/VA
 Sample : K2717-06
 Misc : 3.34G/5ML/MSVOA_W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 P026-SS002-0002-01

Quant Time: May 10 23:18:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W050919S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 10 03:41:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	1176422	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	2006167	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	1442423	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	370932	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	608842	48.68	ug/l	0.00
Spiked Amount			Recovery	=	97.36%	
35) Dibromofluoromethane	7.88	113	521282	44.40	ug/l	0.00
Spiked Amount			Recovery	=	88.80%	
50) Toluene-d8	10.32	98	1747578	36.56	ug/l	0.00
Spiked Amount			Recovery	=	73.12%	
62) 4-Bromofluorobenzene	12.62	95	373786	22.21	ug/l	0.00
Spiked Amount			Recovery	=	44.42%	

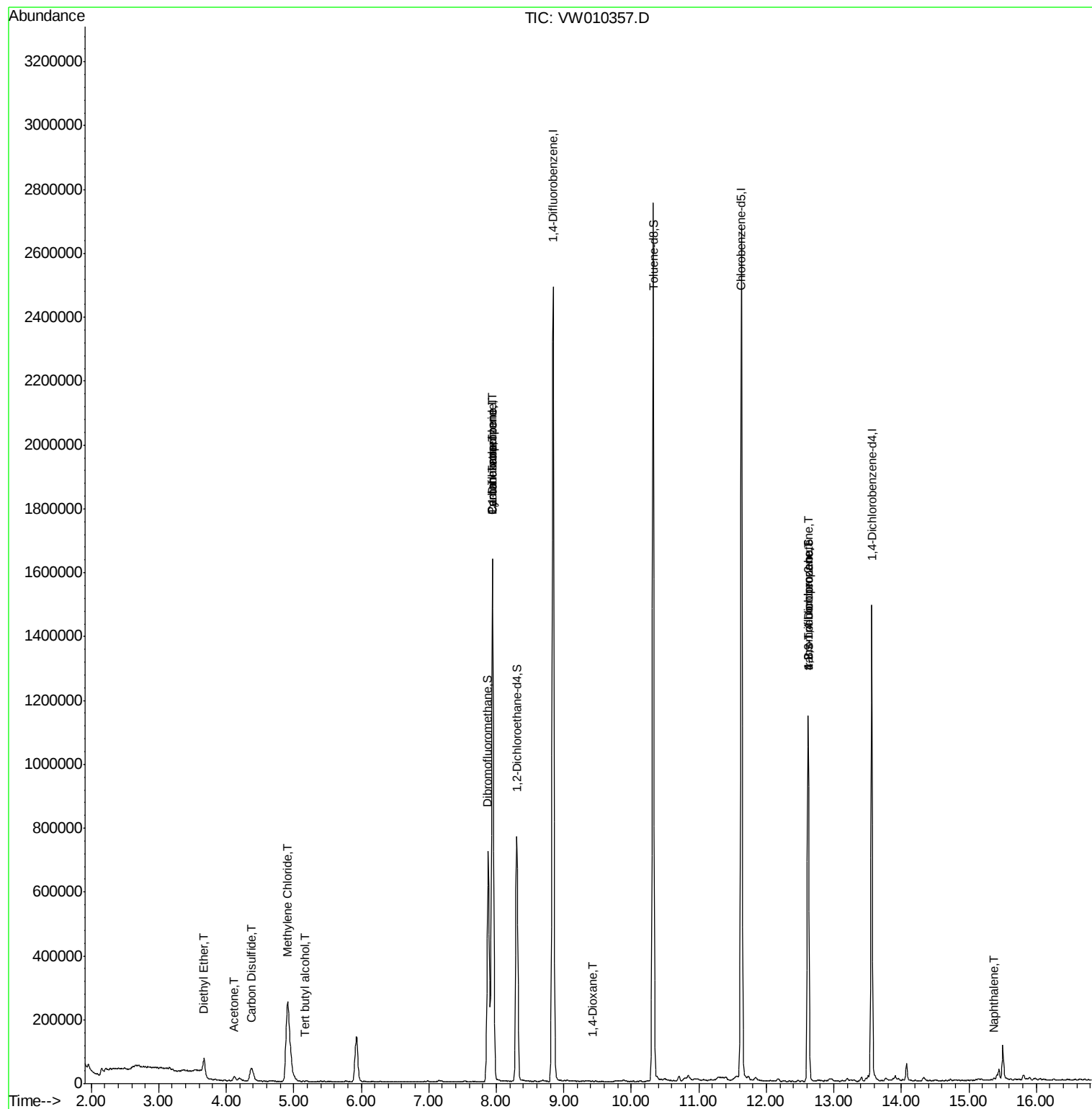
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.67	74	29707	4.510	ug/l	98
11) Tert butyl alcohol	5.17	59	1338	1.515	ug/l #	92
16) Acetone	4.12	43	25804	7.914	ug/l	94
17) Carbon Disulfide	4.37	76	99936	2.576	ug/l	97
20) Methylene Chloride	4.92	84	252473	18.565	ug/l	94
31) Cyclohexane	7.94	56	27943	1.091	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	99445	4.572	ug/l #	50
38) Carbon Tetrachloride	7.95	117	118090	6.333	ug/l #	17
49) 1,4-Dioxane	9.43	88	223	1.672	ug/l #	18
76) 1,2,3-Trichloropropane	12.62	75	190087	43.953	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	190087	99.260	ug/l #	6
95) Naphthalene	15.37	128	5645	3.906	ug/l #	89

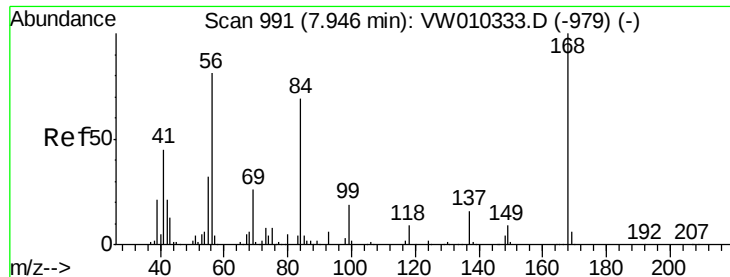
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW051019\
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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: VW010357.D

Acq: 10 May 2019 15:40

Instrument :

MSVOA_W

ClientSampleId :

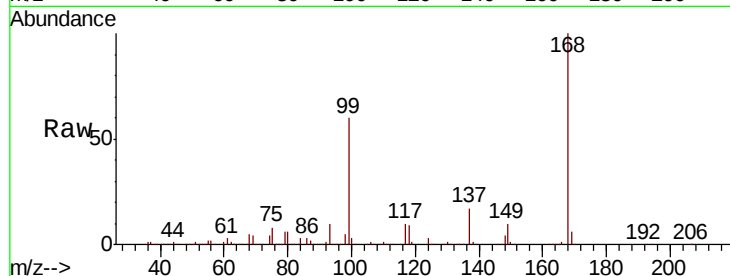
P026-SS002-0002-01

Tgt Ion:168 Resp: 1176422

Ion Ratio Lower Upper

168 100

99 60.3 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

600000

500000

400000

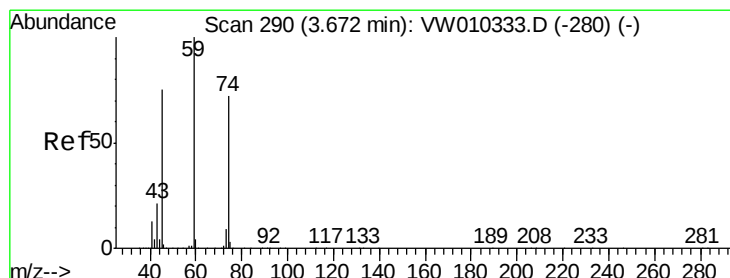
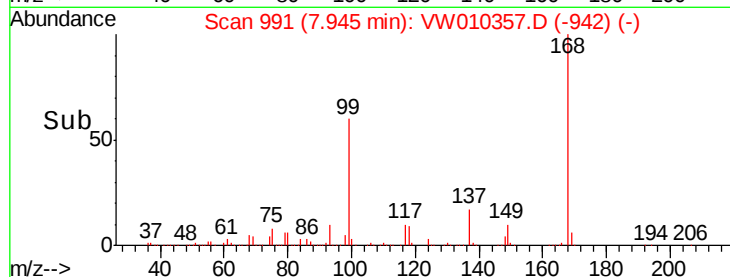
300000

200000

100000

0

Time--> 7.80 7.90 8.00 8.10



#8

Diethyl Ether

Concen: 4.510 ug/l

RT: 3.67 min Scan# 290

Delta R.T. -0.00 min

Lab File: VW010357.D

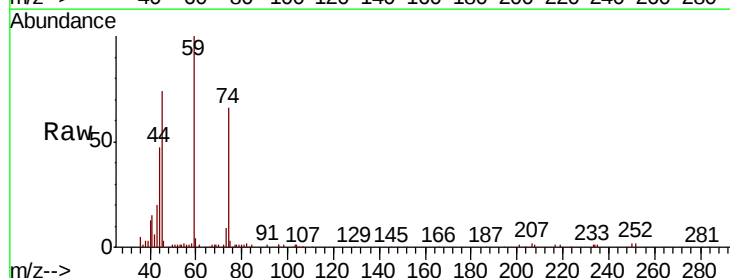
Acq: 10 May 2019 15:40

Tgt Ion: 74 Resp: 29707

Ion Ratio Lower Upper

74 100

45 113.8 56.0 168.0



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

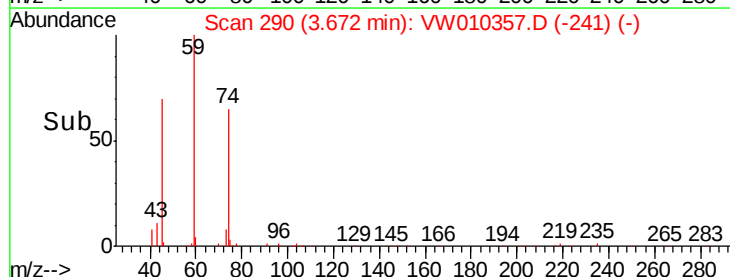
15000

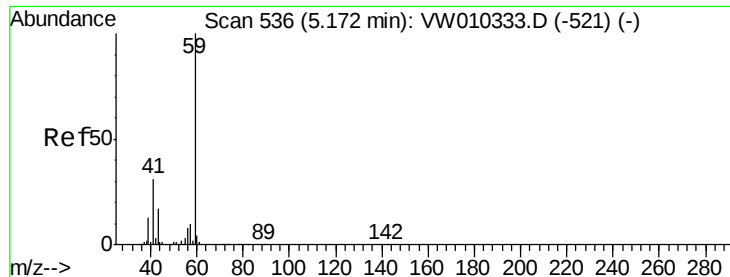
10000

5000

0

Time--> 3.60 3.65 3.70 3.75

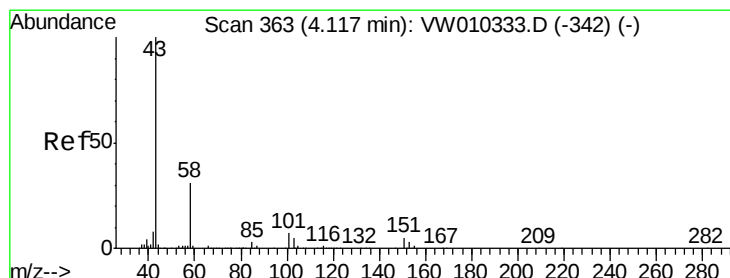
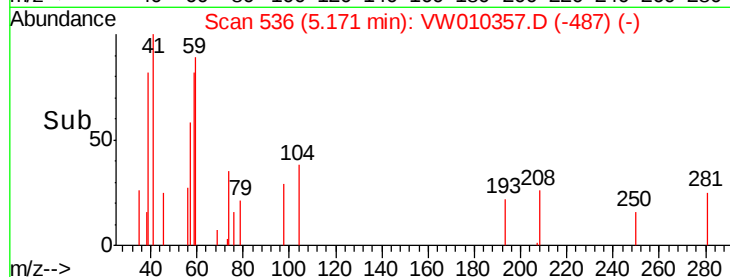
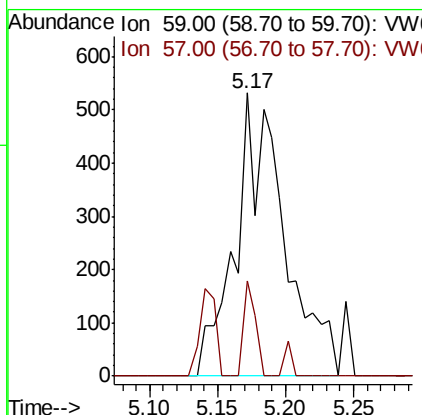
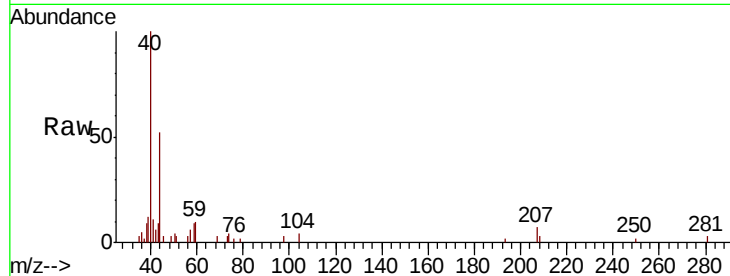




#11
Tert butyl alcohol
Concen: 1.515 ug/l
RT: 5.17 min Scan# 536
Delta R.T. -0.00 min
Lab File: VW010357.D
Acq: 10 May 2019 15:40

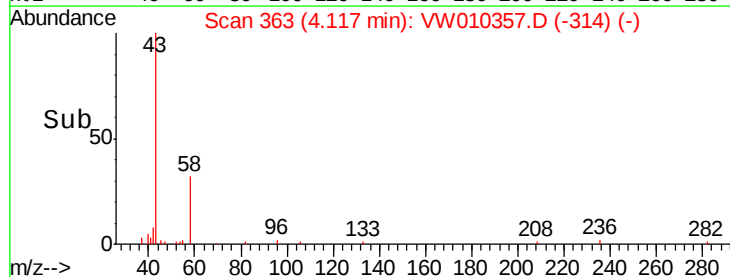
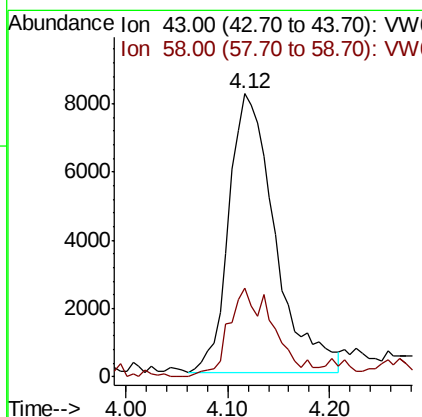
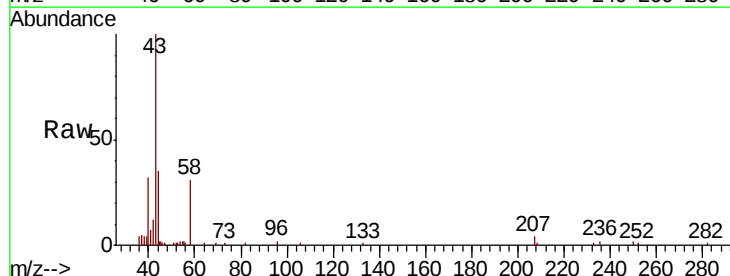
Instrument :
MSVOA_W
ClientSampleId :
P026-SS002-0002-01

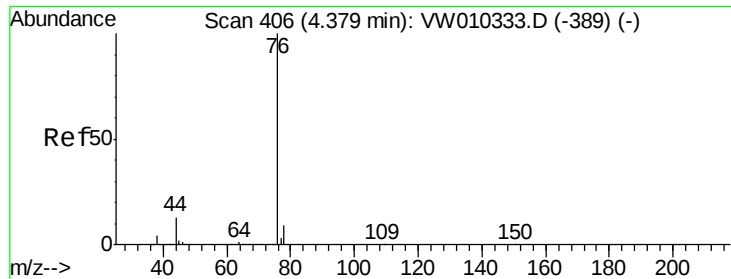
Tgt Ion: 59 Resp: 1338
Ion Ratio Lower Upper
59 100
57 8.0 9.0 13.4#



#16
Acetone
Concen: 7.914 ug/l
RT: 4.12 min Scan# 363
Delta R.T. -0.00 min
Lab File: VW010357.D
Acq: 10 May 2019 15:40

Tgt Ion: 43 Resp: 25804
Ion Ratio Lower Upper
43 100
58 31.7 22.7 34.1

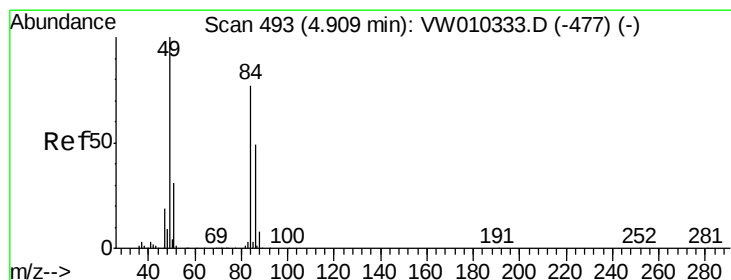
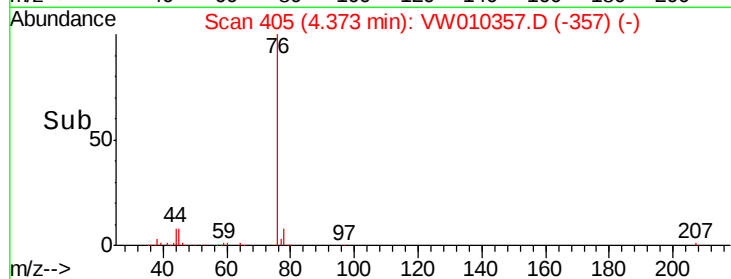
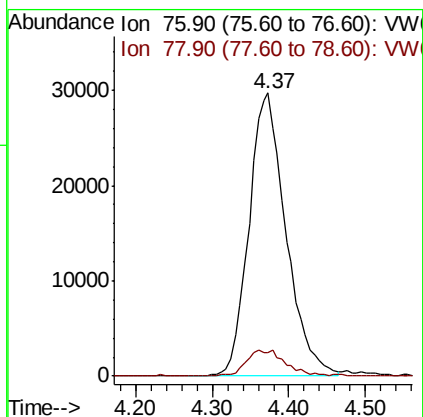
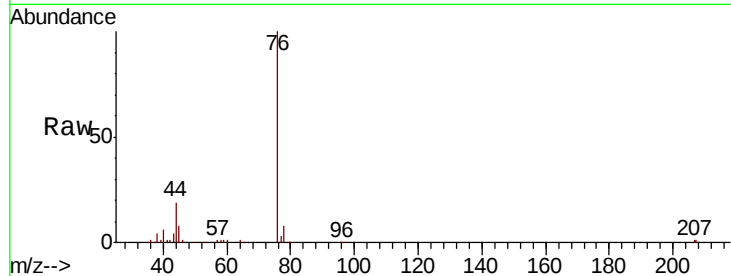




#17
Carbon Disulfide
Concen: 2.576 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.01 min
Lab File: VW010357.D
Acq: 10 May 2019 15:40

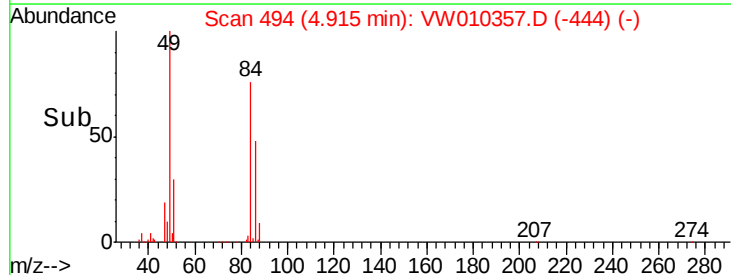
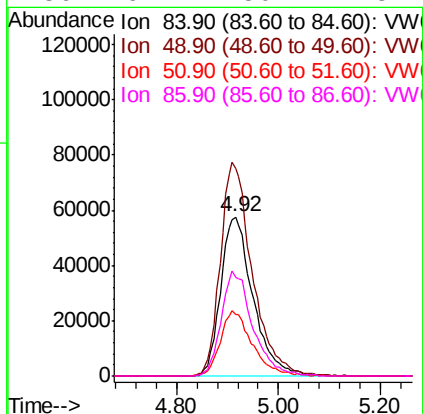
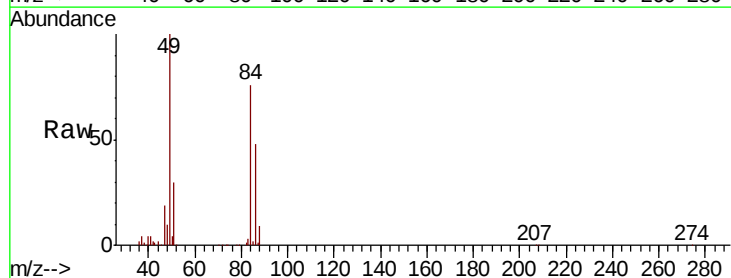
Instrument :
MSVOA_W
ClientSampleId :
P026-SS002-0002-01

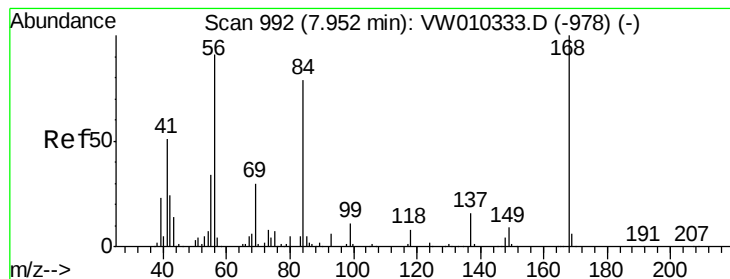
Tgt Ion: 76 Resp: 99936
Ion Ratio Lower Upper
76 100
78 8.4 7.4 11.2



#20
Methylene Chloride
Concen: 18.565 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW010357.D
Acq: 10 May 2019 15:40

Tgt Ion: 84 Resp: 252473
Ion Ratio Lower Upper
84 100
49 130.7 112.3 168.5
51 38.6 33.9 50.9
86 62.2 50.2 75.4





#31

Cyclohexane

Concen: 1.091 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW010357.D

Acq: 10 May 2019 15:40

Instrument :

MSVOA_W

ClientSampleId :

P026-SS002-0002-01

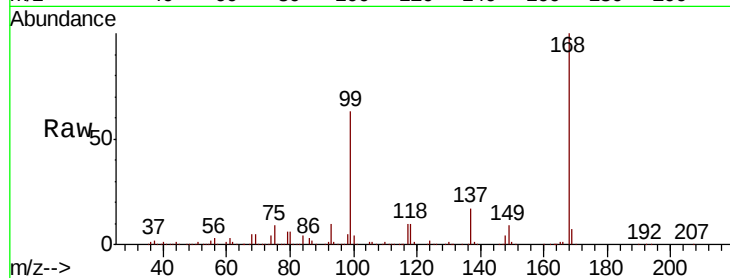
Tgt Ion: 56 Resp: 27943

Ion Ratio Lower Upper

56 100

69 175.8 26.6 40.0#

84 139.6 66.2 99.2#

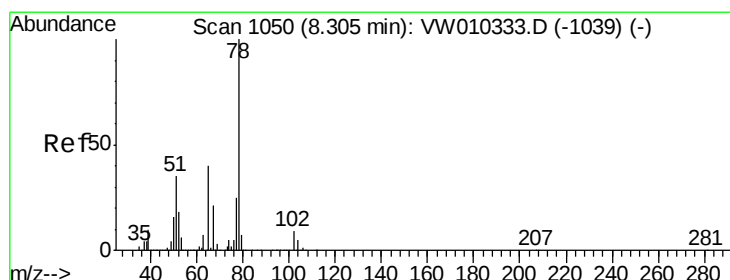
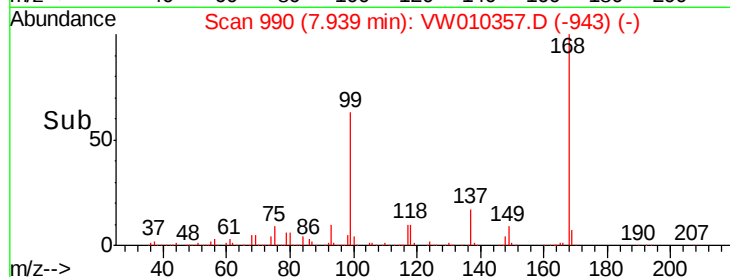
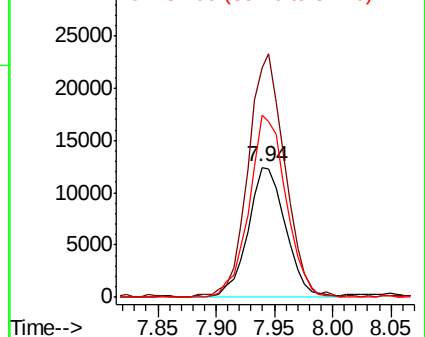


Abundance

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: 48.680 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW010357.D

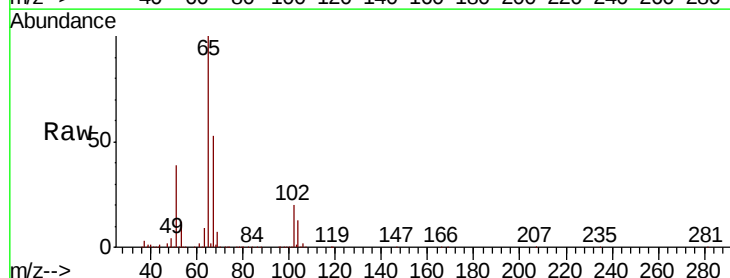
Acq: 10 May 2019 15:40

Tgt Ion: 65 Resp: 608842

Ion Ratio Lower Upper

65 100

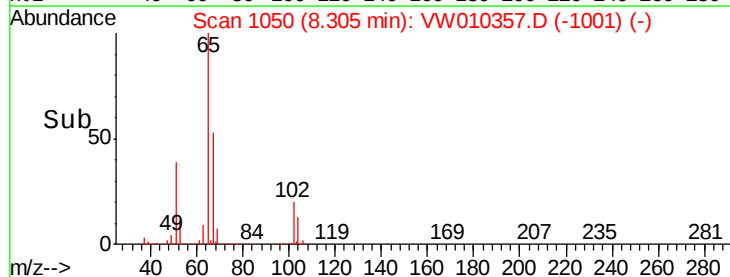
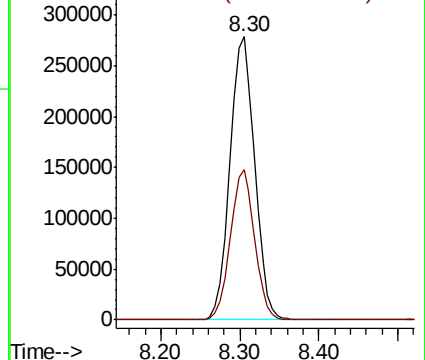
67 51.9 0.0 100.8

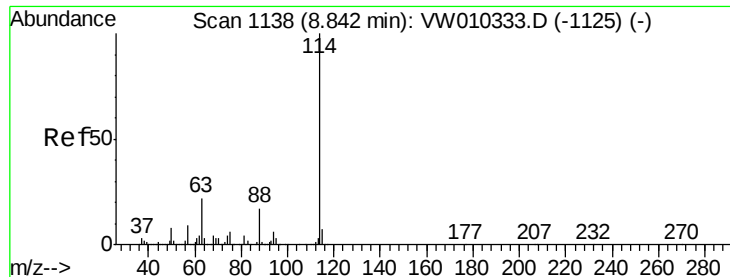


Abundance

Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

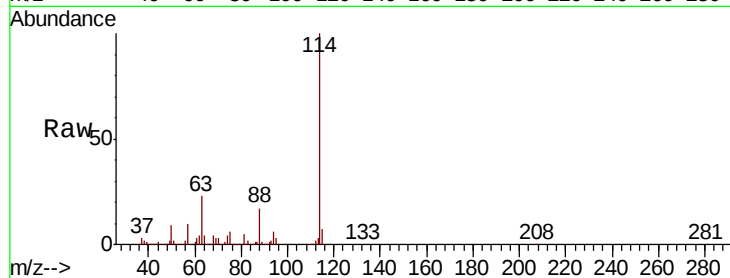




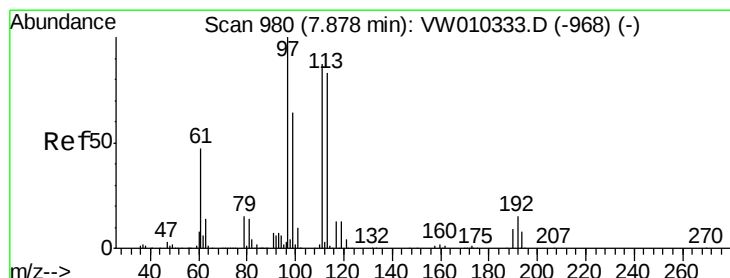
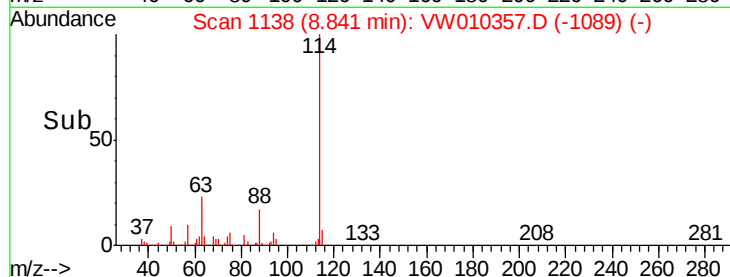
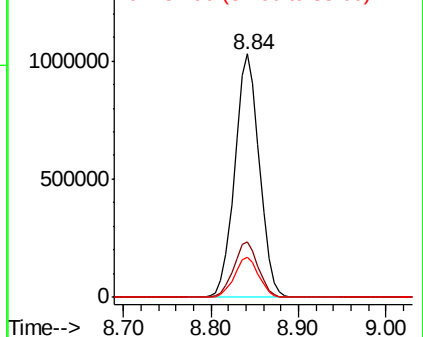
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW010357.D
 Acq: 10 May 2019 15:40

Instrument :
 MSVOA_W
 ClientSampleId :
 P026-SS002-0002-01

Tgt Ion:114 Resp: 2006167
 Ion Ratio Lower Upper
 114 100
 63 22.9 0.0 46.2
 88 16.7 0.0 32.6

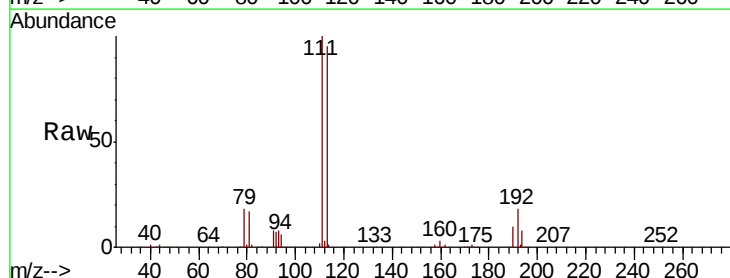


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

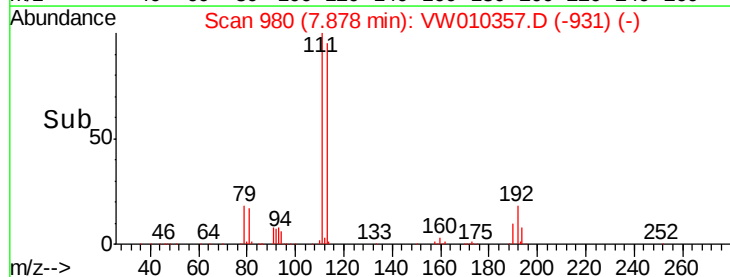
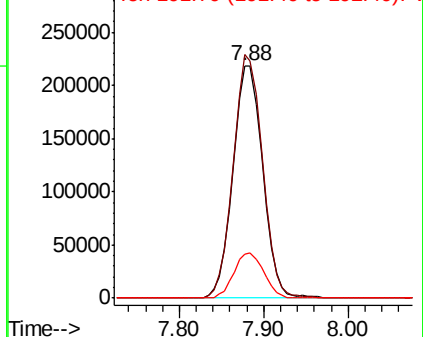


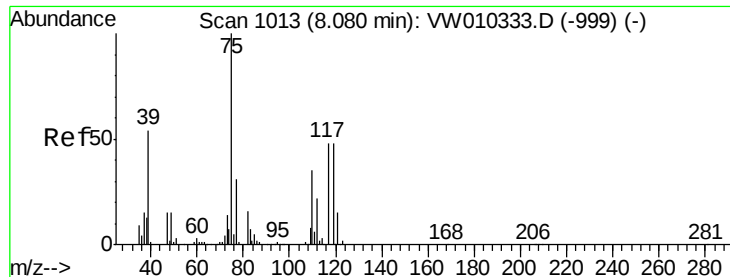
#35
 Dibromofluoromethane
 Concen: 44.403 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: VW010357.D
 Acq: 10 May 2019 15:40

Tgt Ion:113 Resp: 521282
 Ion Ratio Lower Upper
 113 100
 111 102.9 82.6 123.8
 192 19.6 15.4 23.2



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

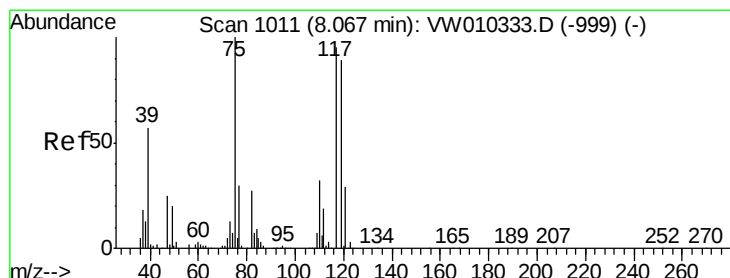
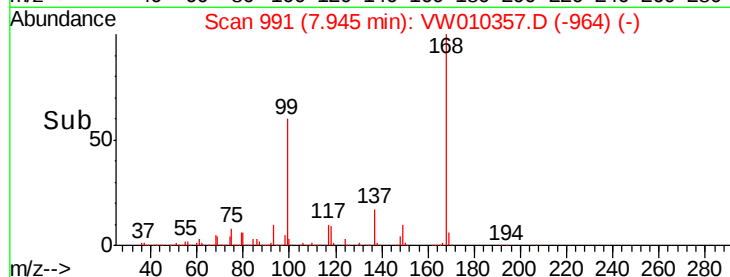
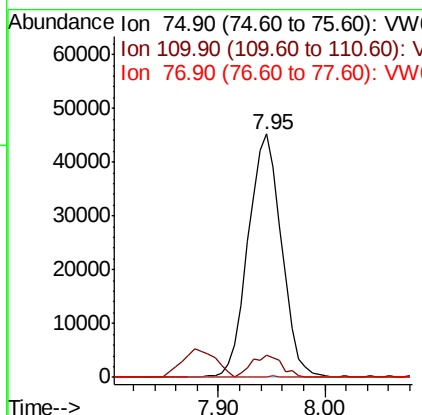
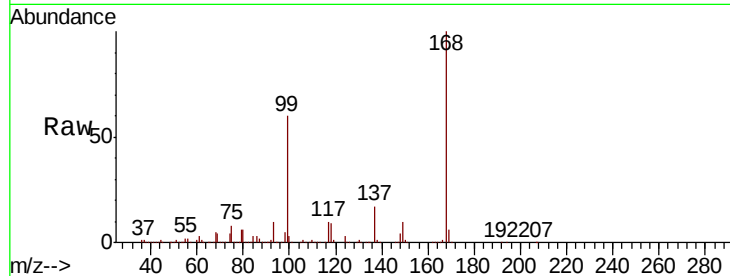




#36
 1,1-Dichloropropene
 Concen: 4.572 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW010357.D
 Acq: 10 May 2019 15:40

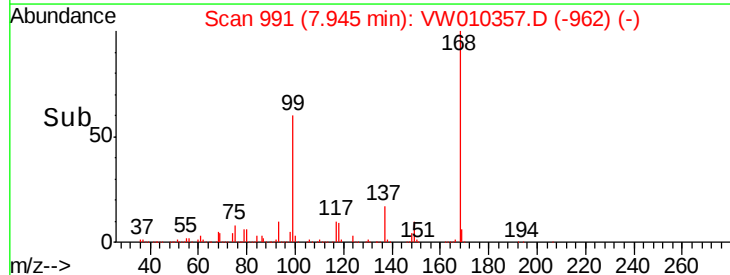
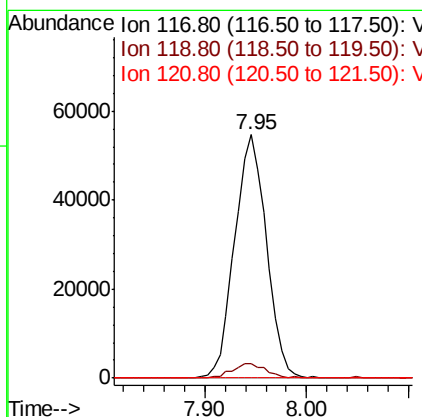
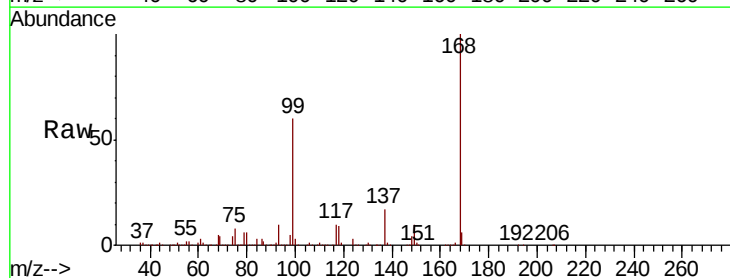
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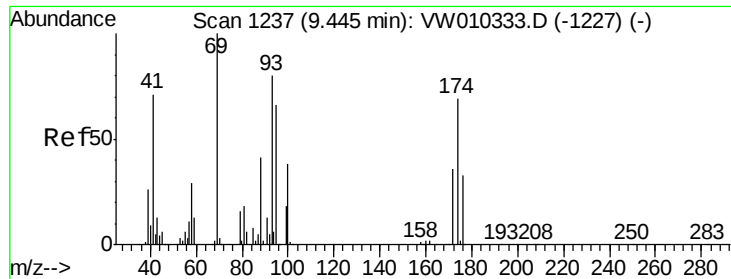
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.4	16.6	49.8#
77	0.2	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 6.333 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW010357.D
 Acq: 10 May 2019 15:40

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.8	75.3	112.9#
121	0.0	24.4	36.6#

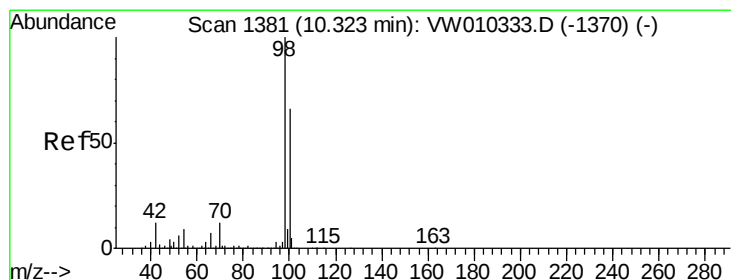
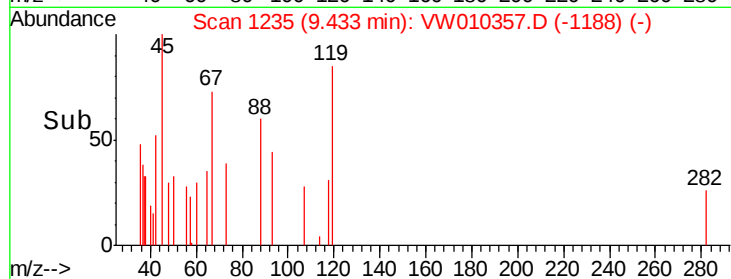
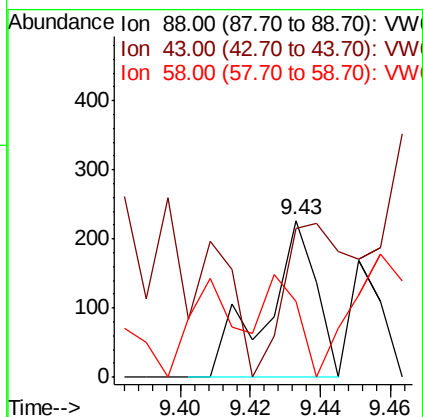
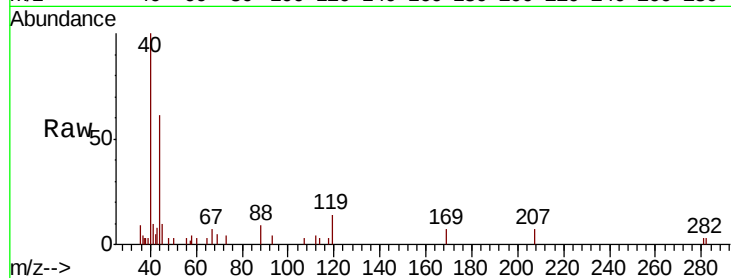




#49
1,4-Dioxane
Concen: 1.672 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.01 min
Lab File: VW010357.D
Acq: 10 May 2019 15:40

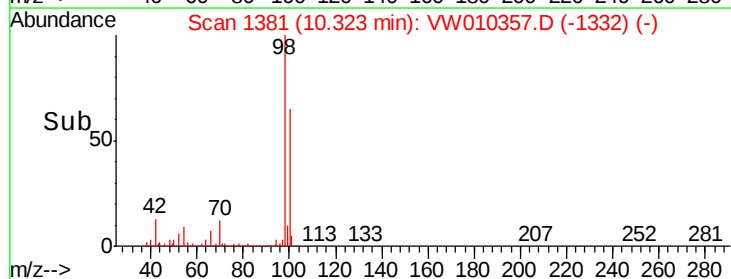
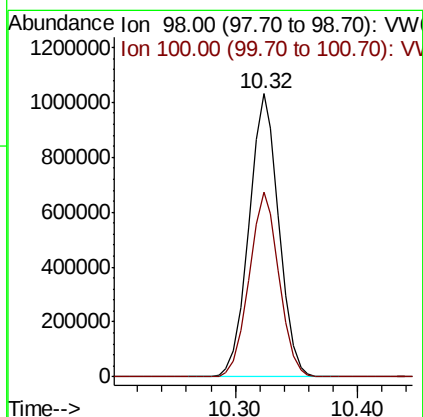
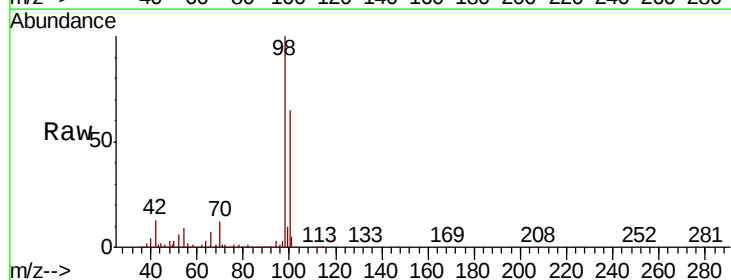
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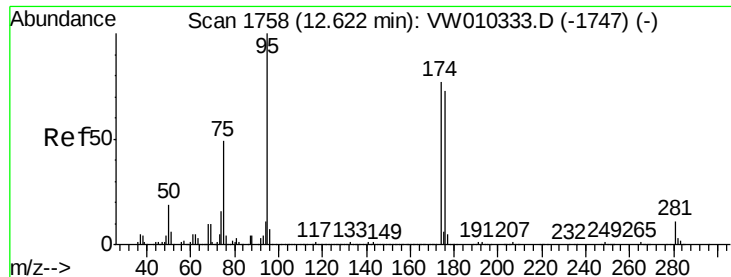
Tgt Ion: 88 Resp: 223
Ion Ratio Lower Upper
88 100
43 139.5 31.9 47.9#
58 42.2 61.8 92.6#



#50
Toluene-d8
Concen: 36.557 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW010357.D
Acq: 10 May 2019 15:40

Tgt Ion: 98 Resp: 1747578
Ion Ratio Lower Upper
98 100
100 65.5 52.3 78.5

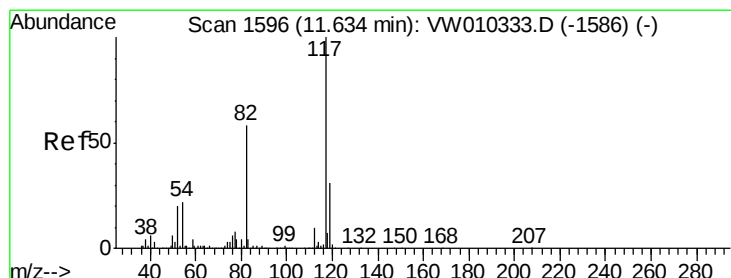
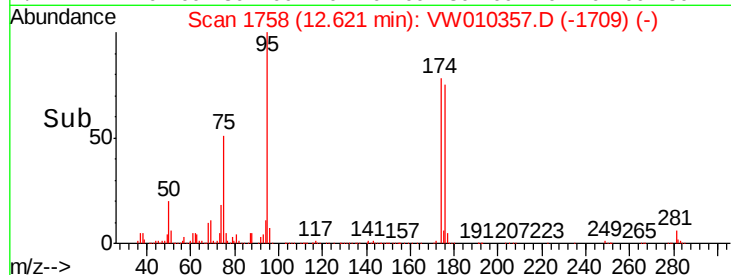
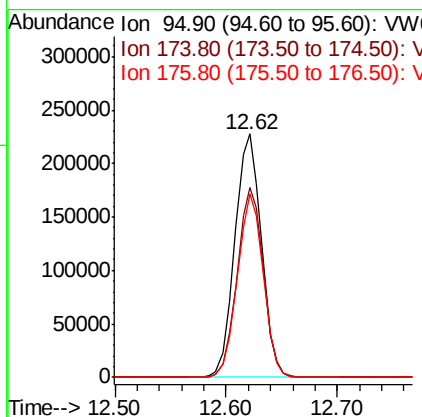
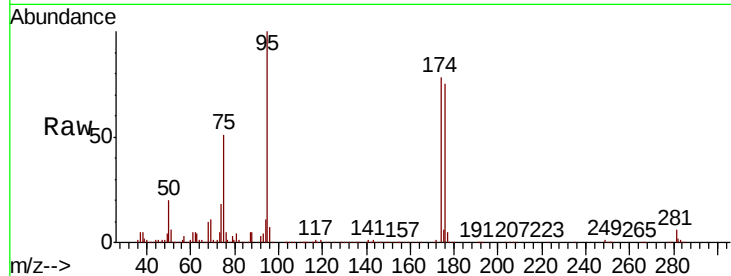




#62
4-Bromofluorobenzene
Concen: 22.213 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW010357.D
Acq: 10 May 2019 15:40

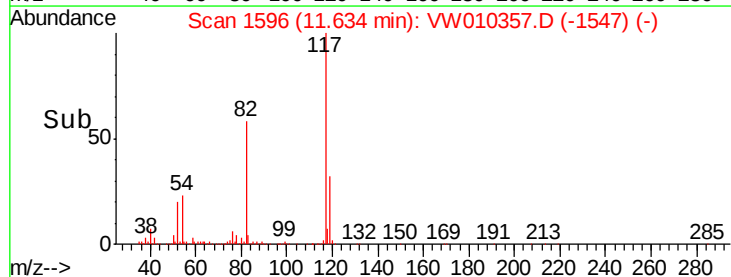
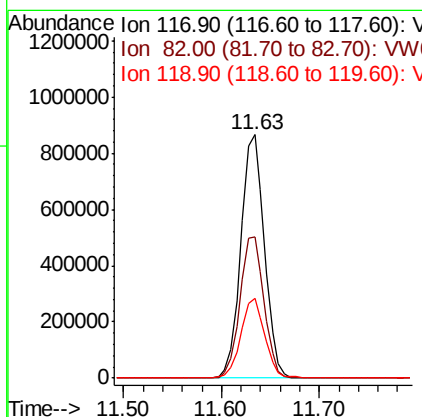
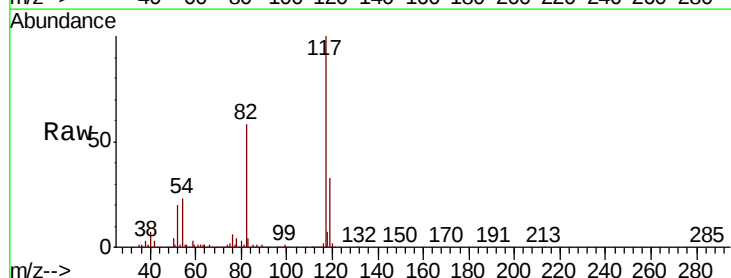
Instrument :
MSVOA_W
ClientSampleId :
P026-SS002-0002-01

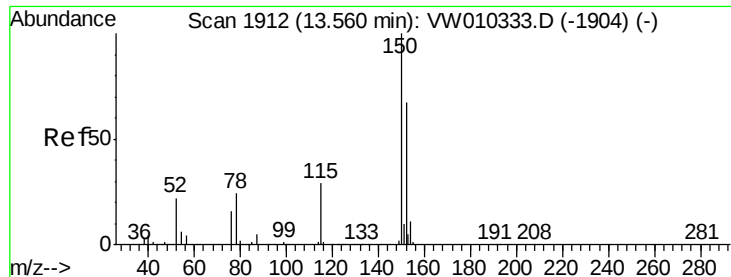
Tgt Ion: 95 Resp: 373786
Ion Ratio Lower Upper
95 100
174 77.3 0.0 151.4
176 73.6 0.0 146.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010357.D
Acq: 10 May 2019 15:40

Tgt Ion: 117 Resp: 1442423
Ion Ratio Lower Upper
117 100
82 58.0 45.2 67.8
119 32.4 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: VW010357.D

Acq: 10 May 2019 15:40

Instrument :

MSVOA_W

ClientSampleId :

P026-SS002-0002-01

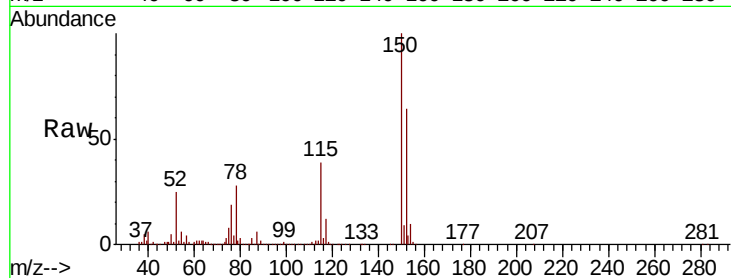
Tgt Ion:152 Resp: 370932

Ion Ratio Lower Upper

152 100

115 60.2 30.4 91.2

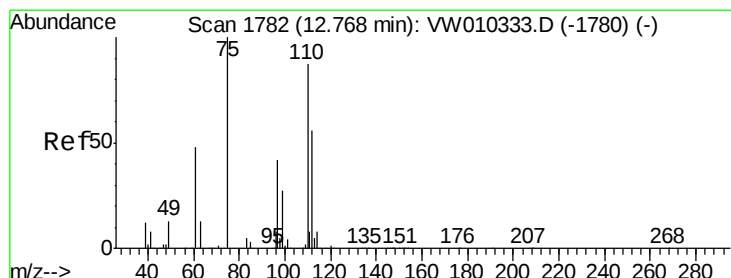
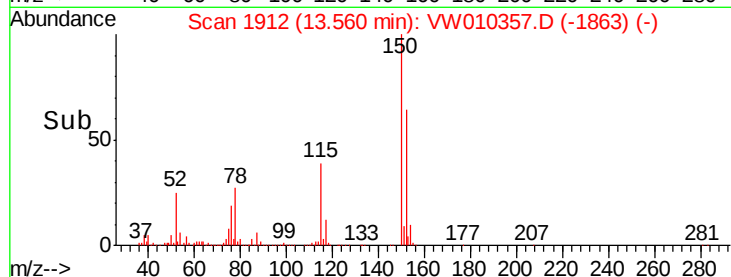
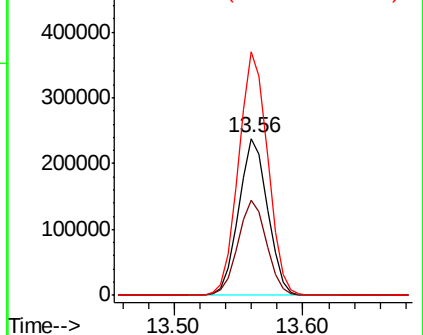
150 156.0 0.0 347.0



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: 43.953 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW010357.D

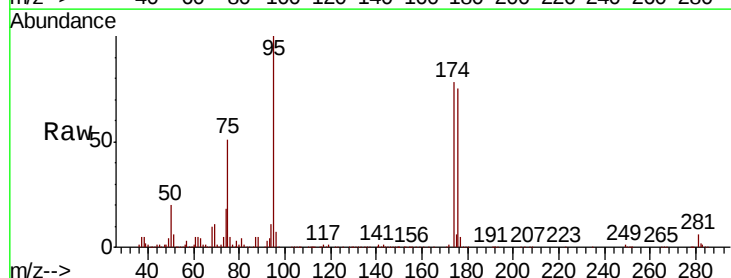
Acq: 10 May 2019 15:40

Tgt Ion: 75 Resp: 190087

Ion Ratio Lower Upper

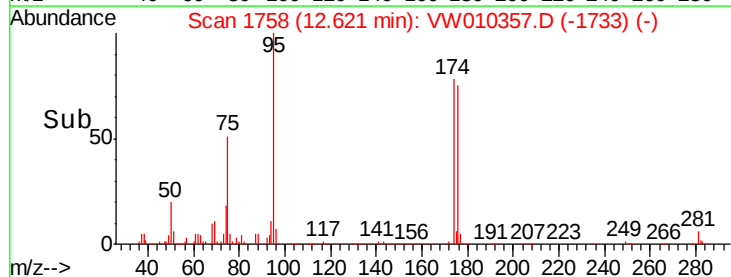
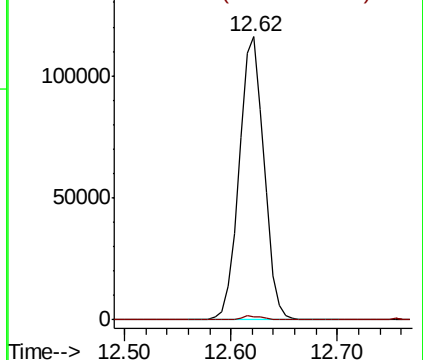
75 100

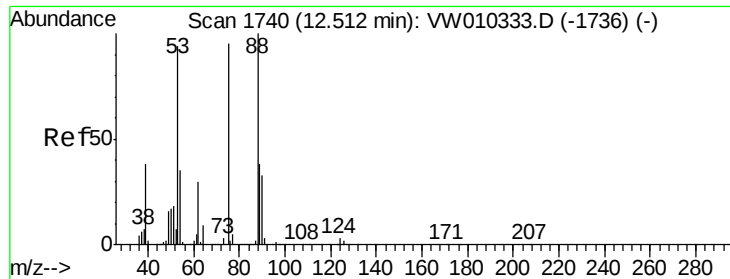
77 1.4 0.0 0.0#



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: 99.260 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW010357.D

Acq: 10 May 2019 15:40

Instrument :

MSVOA_W

ClientSampleId :

P026-SS002-0002-01

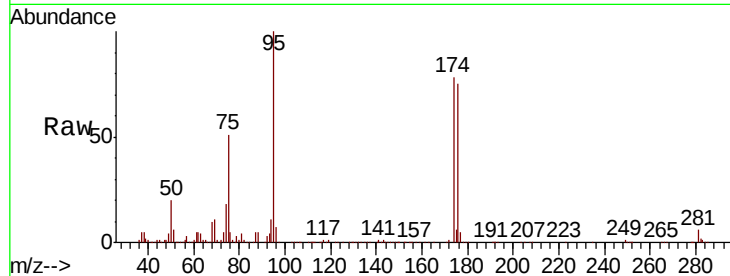
Tgt Ion: 75 Resp: 190087

Ion Ratio Lower Upper

75 100

53 0.4 89.8 134.8#

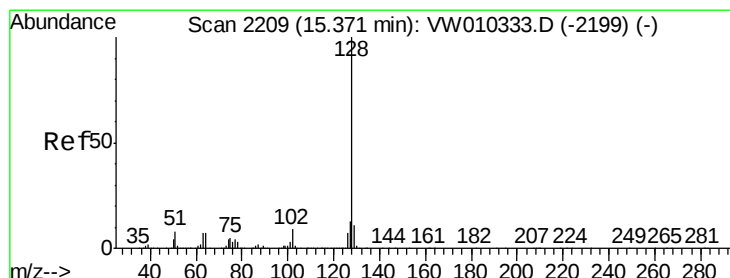
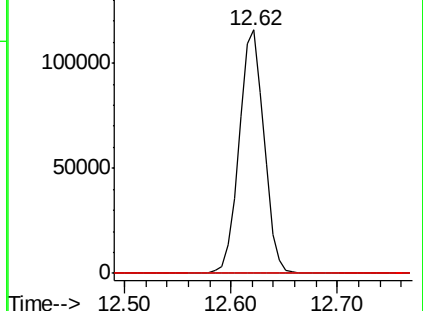
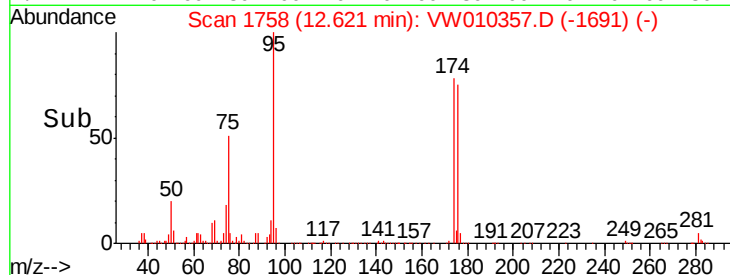
89 0.0 36.6 54.8#



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: 3.906 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW010357.D

Acq: 10 May 2019 15:40

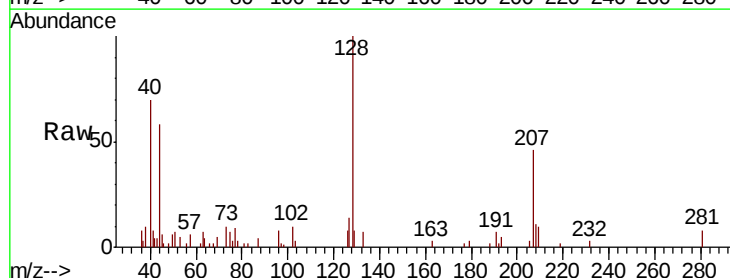
Tgt Ion: 128 Resp: 5645

Ion Ratio Lower Upper

128 100

127 17.3 10.6 15.8#

129 15.3 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

