

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW080619\
 Data File : VW011722.D
 Acq On : 05 Aug 2019 20:49
 Operator : SY/VA
 Sample : K4154-06
 Misc : 5.05G/5ML/MSVOA_W/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 PS-6

Quant Time: Aug 06 08:06:41 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	219261	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	368531	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	309425	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	132646	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	140239	55.70	ug/l	0.00
Spiked Amount						
						Recovery = 111.40%
35) Dibromofluoromethane	7.88	113	111439	53.90	ug/l	0.00
Spiked Amount						
						Recovery = 107.80%
50) Toluene-d8	10.32	98	448811	53.02	ug/l	0.00
Spiked Amount						
						Recovery = 106.04%
62) 4-Bromofluorobenzene	12.62	95	151399	50.17	ug/l	0.00
Spiked Amount						
						Recovery = 100.34%

Target Compounds

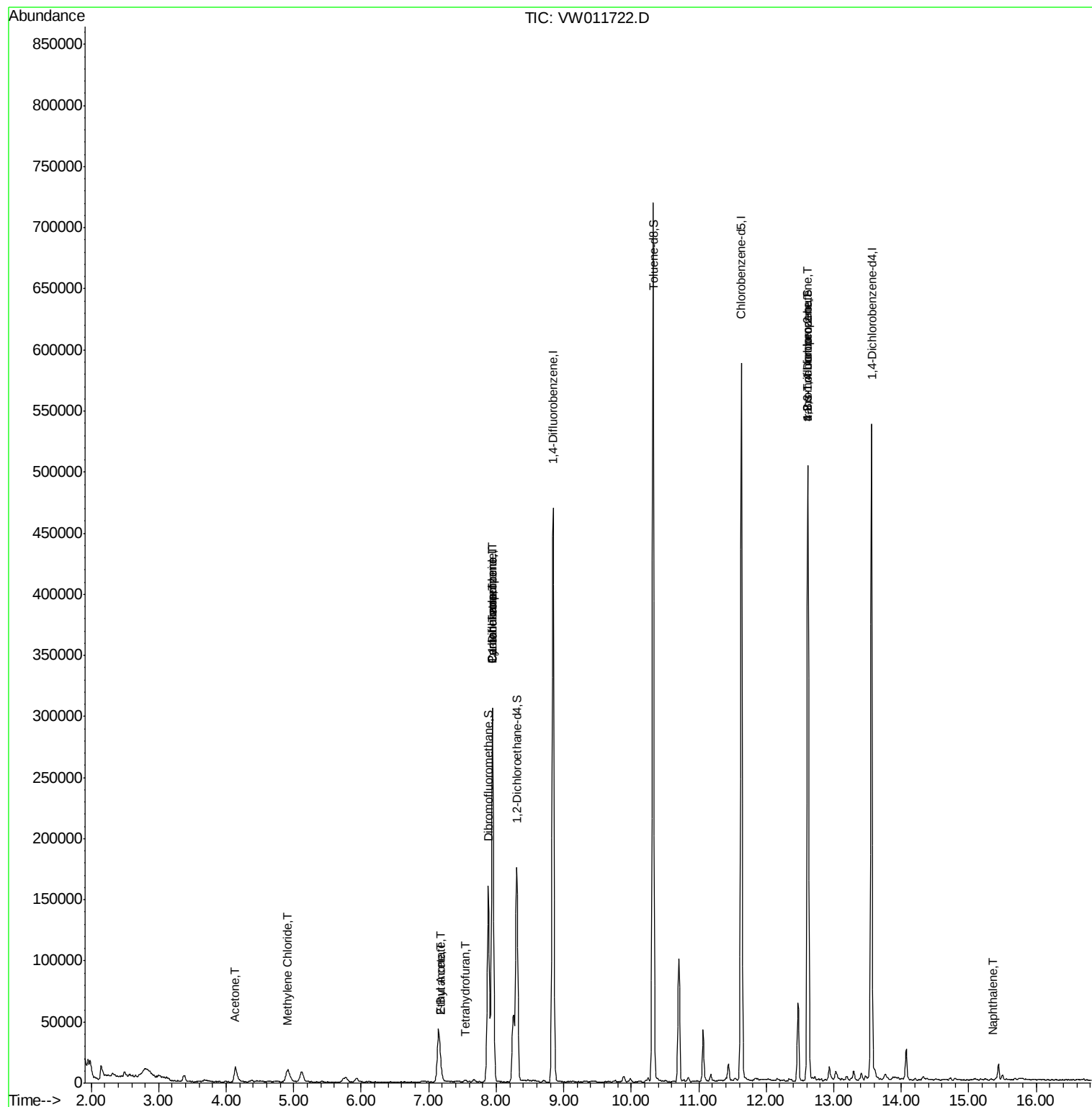
						Qvalue
11) Tert butyl alcohol	5.22	59	631	Below Cal	#	72
16) Acetone	4.14	43	24434	30.509	ug/l	94
20) Methylene Chloride	4.90	84	7216	2.613	ug/l #	90
25) 2-Butanone	7.18	43	11379	10.858	ug/l	96
29) Tetrahydrofuran	7.54	42	1266	2.113	ug/l #	57
31) Cyclohexane	7.94	56	5894	1.252	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	19579	5.109	ug/l #	52
37) Ethyl Acetate	7.18	43	11379	5.161	ug/l #	73
38) Carbon Tetrachloride	7.95	117	22635	6.900	ug/l #	17
76) 1,2,3-Trichloropropane	12.62	75	81561	58.111	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	81561	133.925	ug/l #	6
95) Naphthalene	15.36	128	362	2.132	ug/l #	80

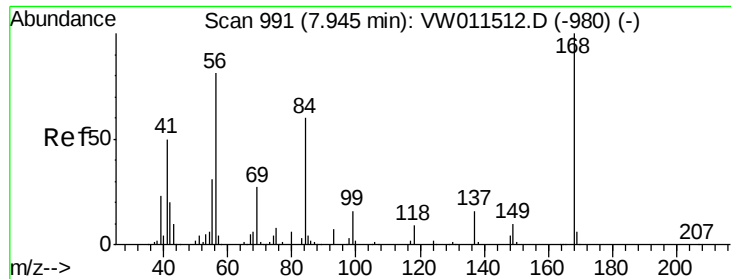
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW011722.D

Acq: 05 Aug 2019 20:49

Instrument :

MSVOA_W

ClientSampleId :

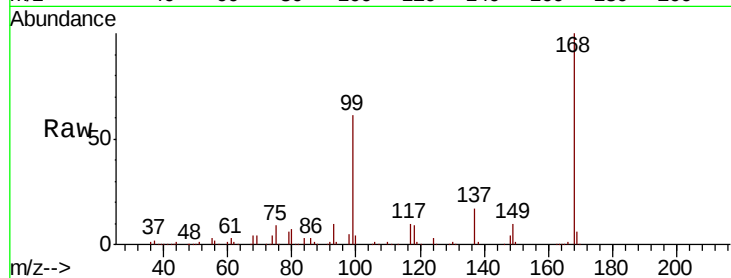
PS-6

Tgt Ion:168 Resp: 219261

Ion Ratio Lower Upper

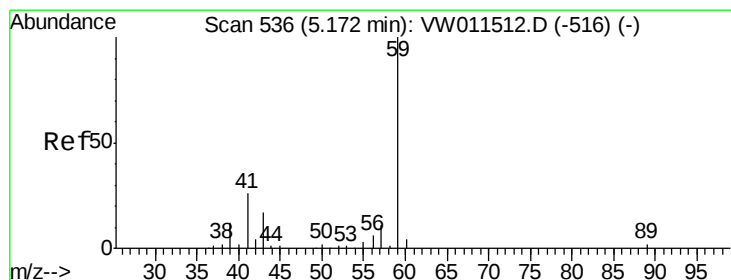
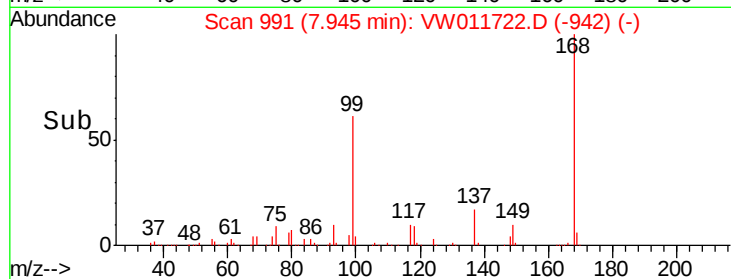
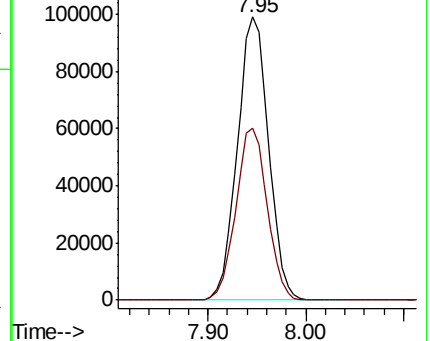
168 100

99 60.7 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.22 min Scan# 544

Delta R.T. 0.05 min

Lab File: VW011722.D

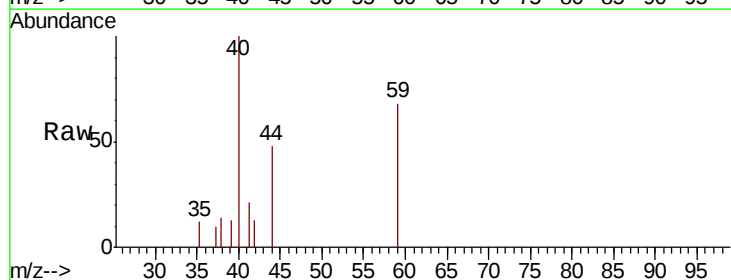
Acq: 05 Aug 2019 20:49

Tgt Ion: 59 Resp: 631

Ion Ratio Lower Upper

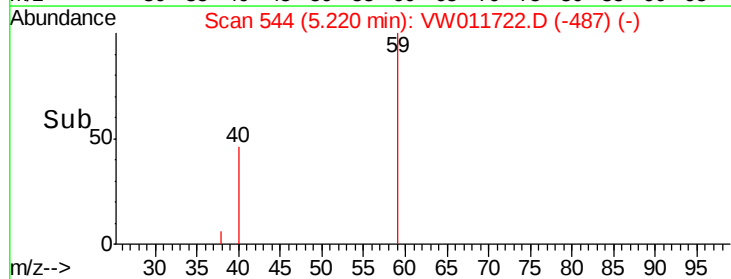
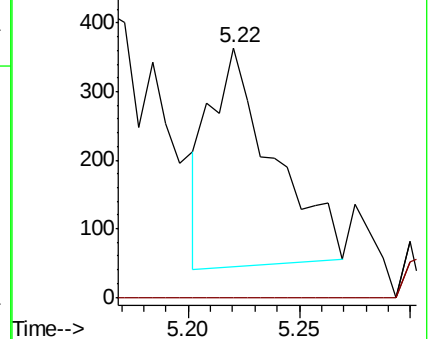
59 100

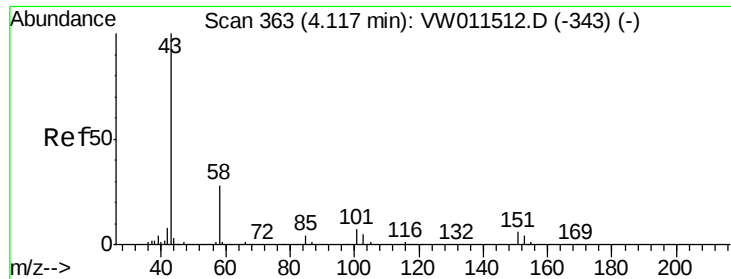
57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 30.509 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.02 min

Lab File: VW011722.D

Acq: 05 Aug 2019 20:49

Instrument :

MSVOA_W

ClientSampled :

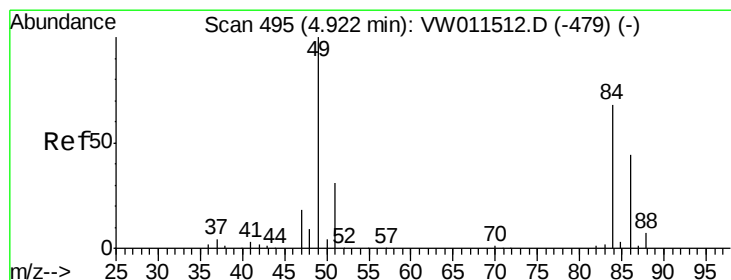
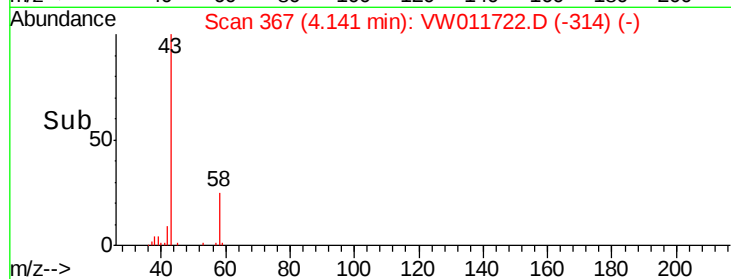
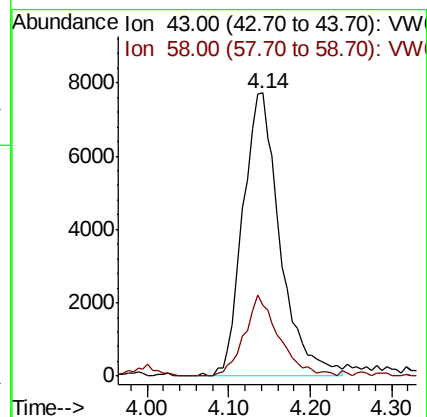
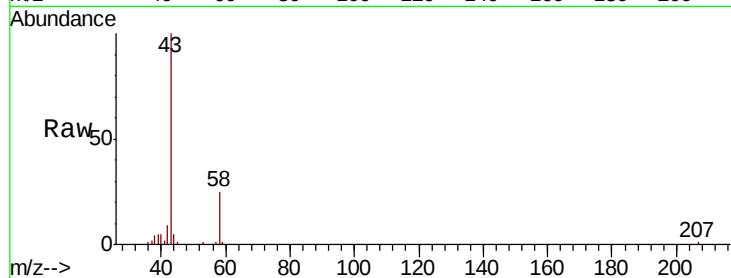
PS-6

Tgt Ion: 43 Resp: 24434

Ion Ratio Lower Upper

43 100

58 24.9 22.3 33.5



#20

Methylene Chloride

Concen: 2.613 ug/l

RT: 4.90 min Scan# 492

Delta R.T. -0.02 min

Lab File: VW011722.D

Acq: 05 Aug 2019 20:49

Tgt Ion: 84 Resp: 7216

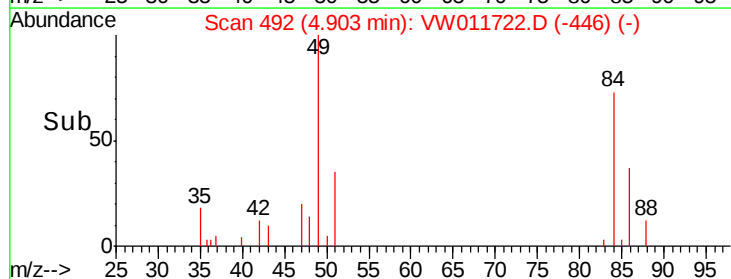
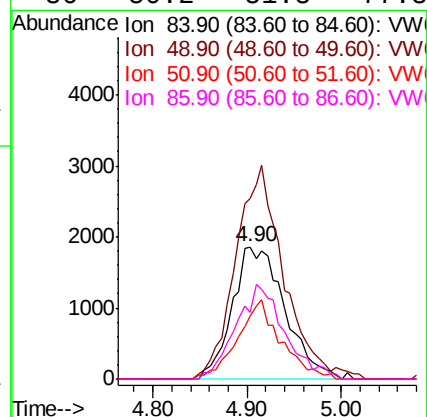
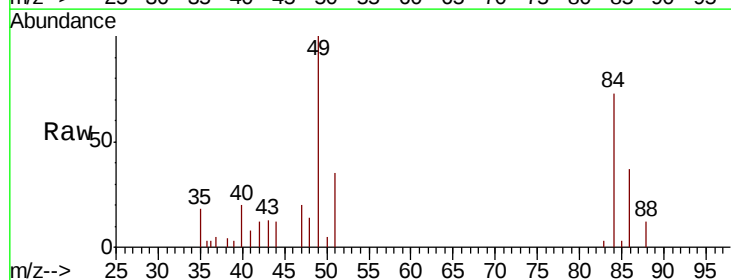
Ion Ratio Lower Upper

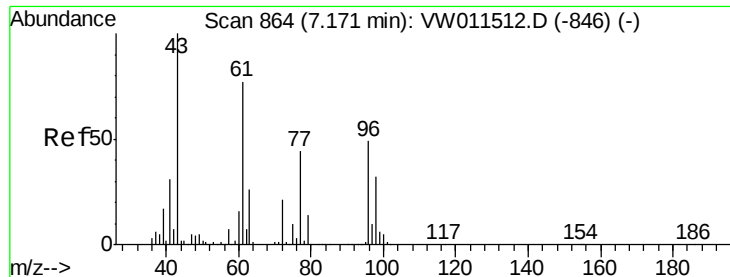
84 100

49 136.7 117.8 176.6

51 48.0 37.0 55.4

86 50.2 51.8 77.8#

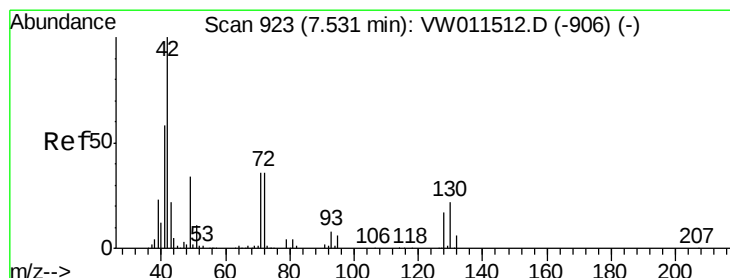
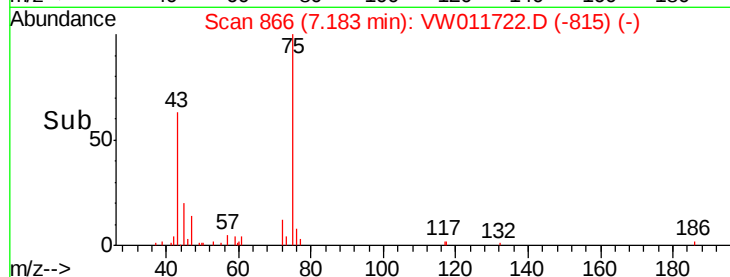
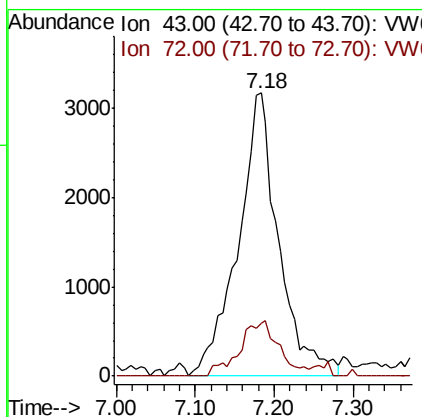
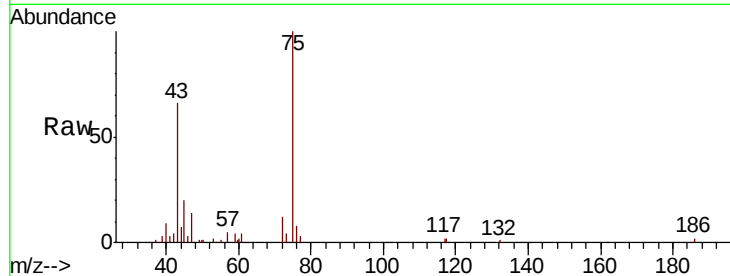




#25
2-Butanone
Concen: 10.858 ug/l
RT: 7.18 min Scan# 866
Delta R.T. 0.01 min
Lab File: VW011722.D
Acq: 05 Aug 2019 20:49

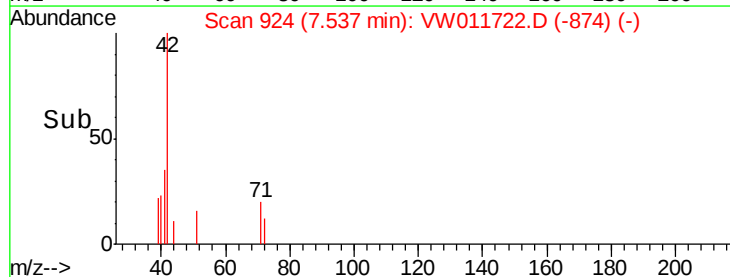
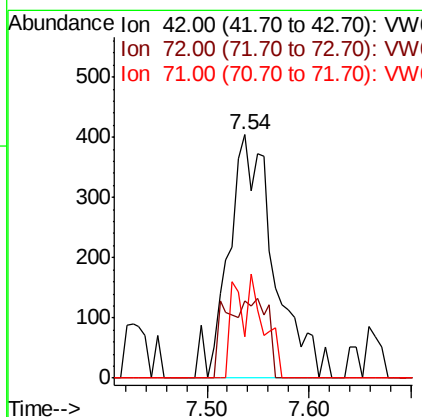
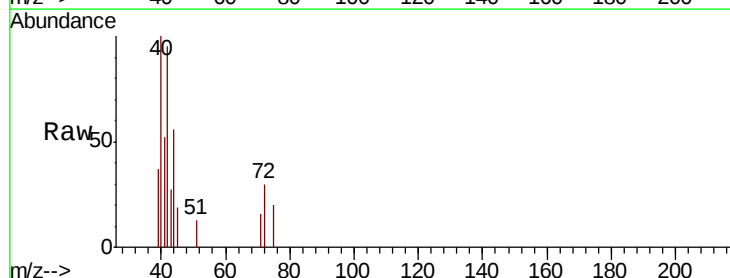
Instrument :
MSVOA_W
ClientSampleId :
PS-6

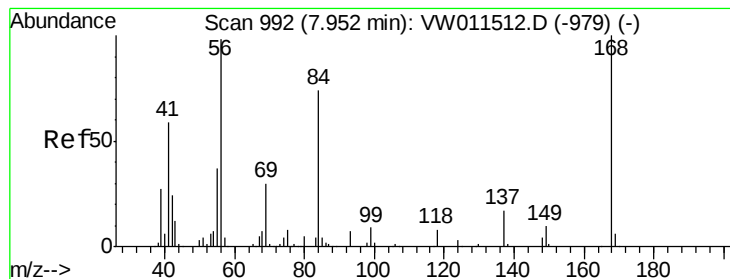
Tgt Ion: 43 Resp: 11379
Ion Ratio Lower Upper
43 100
72 18.9 16.6 24.8



#29
Tetrahydrofuran
Concen: 2.113 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW011722.D
Acq: 05 Aug 2019 20:49

Tgt Ion: 42 Resp: 1266
Ion Ratio Lower Upper
42 100
72 17.5 27.1 40.7#
71 0.0 26.2 39.4#





#31

Cyclohexane

Concen: 1.252 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW011722.D

Acq: 05 Aug 2019 20:49

Instrument :
MSVOA_W
ClientSampleId :
PS-6

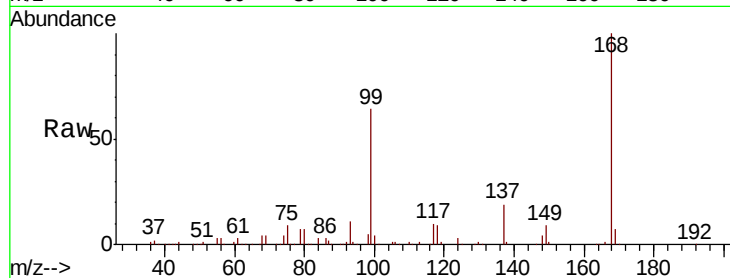
Tgt Ion: 56 Resp: 5894

Ion Ratio Lower Upper

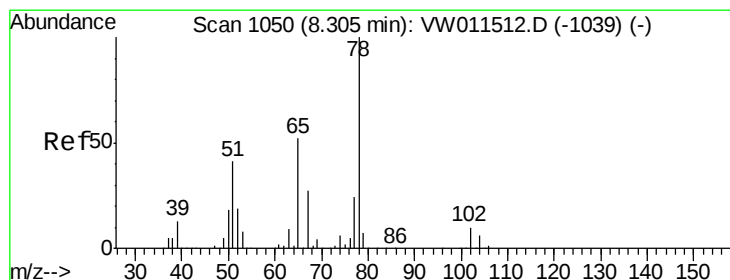
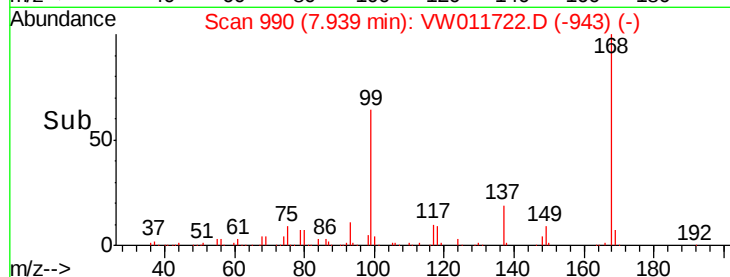
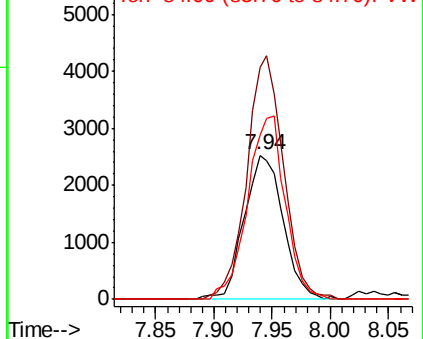
56 100

69 161.2 24.3 36.5#

84 113.8 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: 55.701 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW011722.D

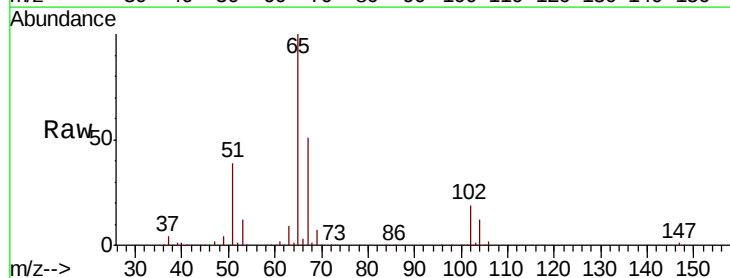
Acq: 05 Aug 2019 20:49

Tgt Ion: 65 Resp: 140239

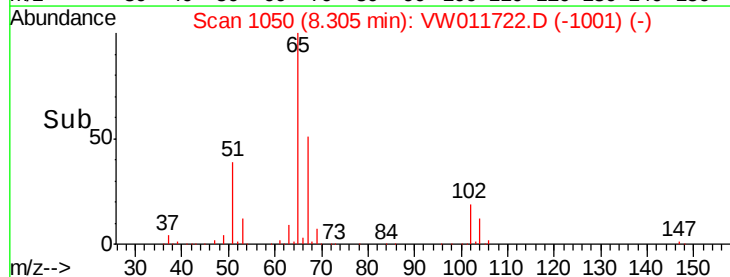
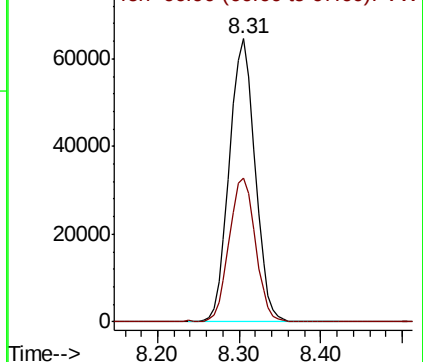
Ion Ratio Lower Upper

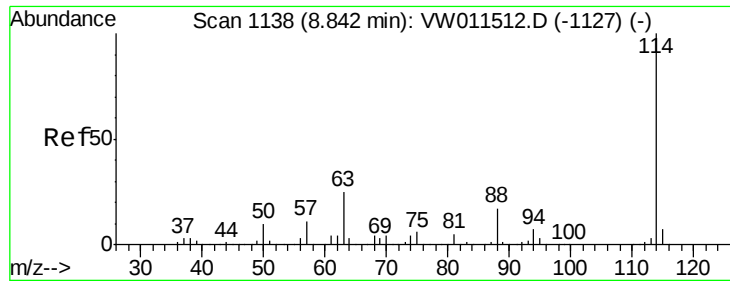
65 100

67 52.0 0.0 105.2



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

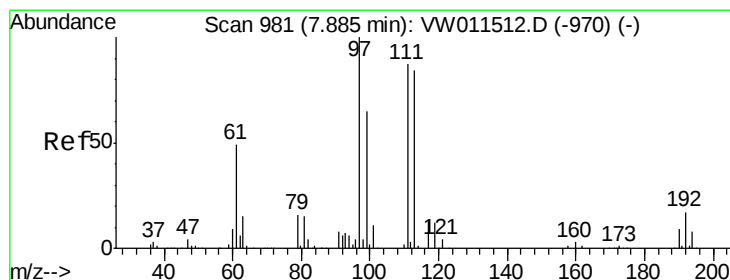
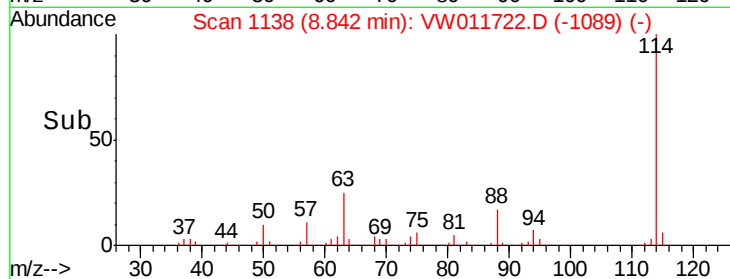
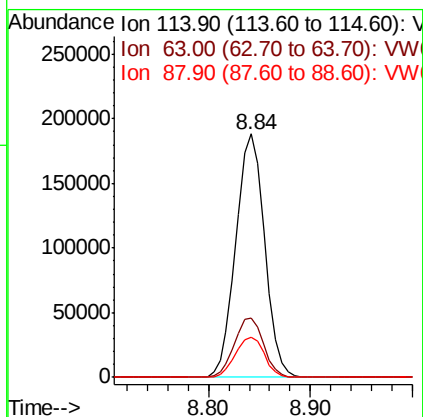
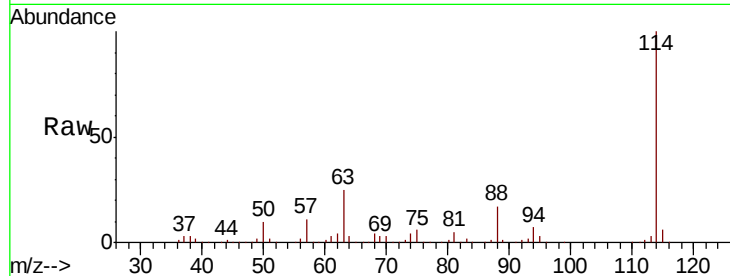




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW011722.D
 Acq: 05 Aug 2019 20:49

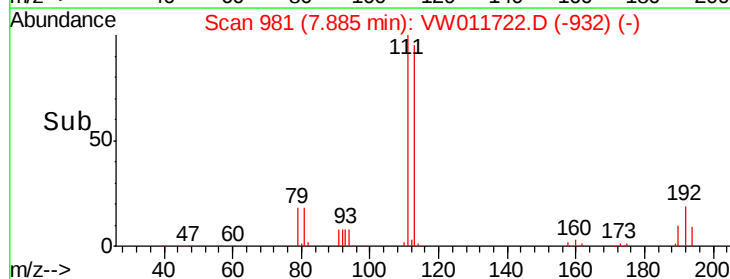
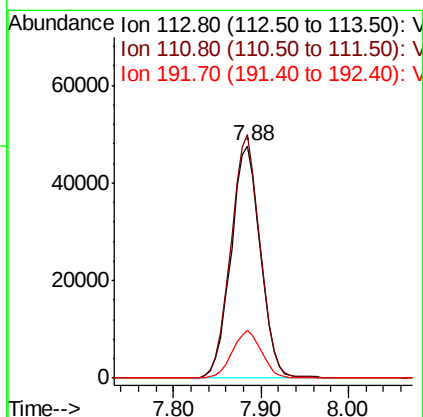
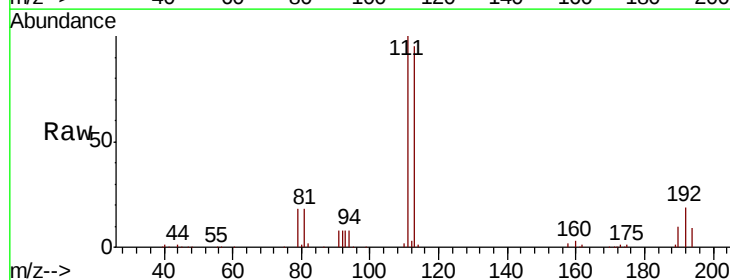
Instrument :
 MSVOA_W
 ClientSampleId :
 PS-6

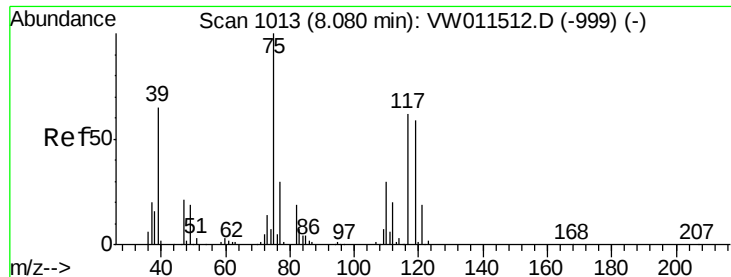
Tgt Ion:114 Resp: 368531
 Ion Ratio Lower Upper
 114 100
 63 24.5 0.0 49.2
 88 16.7 0.0 33.8



#35
 Dibromofluoromethane
 Concen: 53.900 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW011722.D
 Acq: 05 Aug 2019 20:49

Tgt Ion:113 Resp: 111439
 Ion Ratio Lower Upper
 113 100
 111 103.9 82.7 124.1
 192 20.1 16.1 24.1





#36

1,1-Dichloropropene

Concen: 5.109 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW011722.D

Acq: 05 Aug 2019 20:49

Instrument :

MSVOA_W

ClientSampled :

PS-6

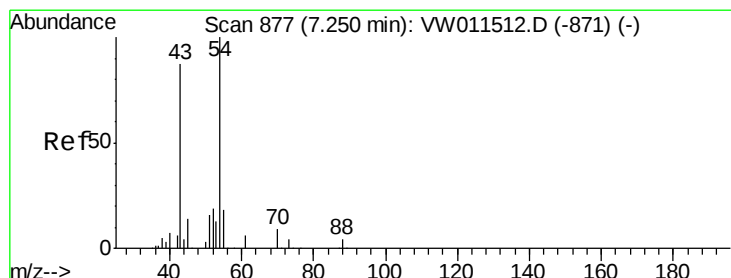
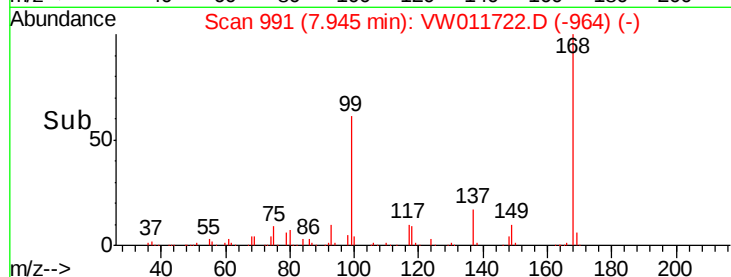
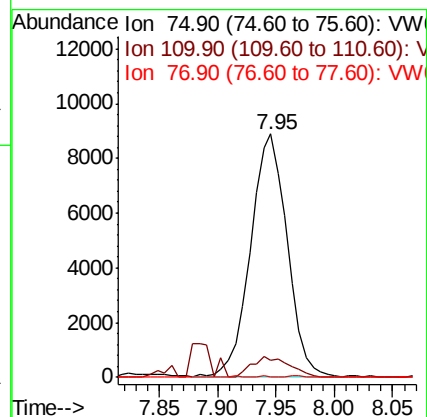
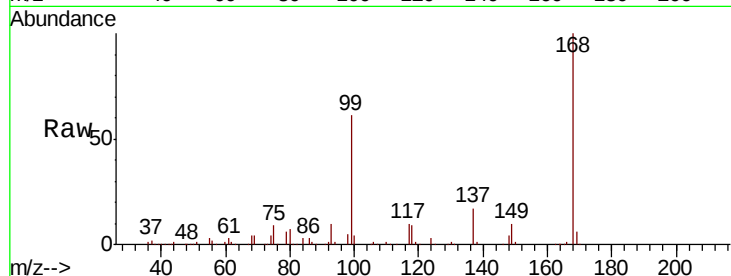
Tgt Ion: 75 Resp: 19579

Ion Ratio Lower Upper

75 100

110 8.7 15.6 46.8#

77 0.1 24.3 36.5#



#37

Ethyl Acetate

Concen: 5.161 ug/l

RT: 7.18 min Scan# 866

Delta R.T. -0.07 min

Lab File: VW011722.D

Acq: 05 Aug 2019 20:49

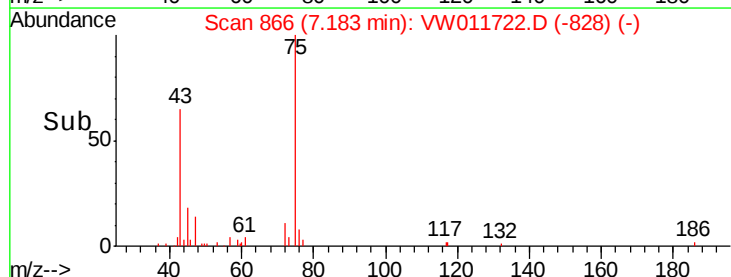
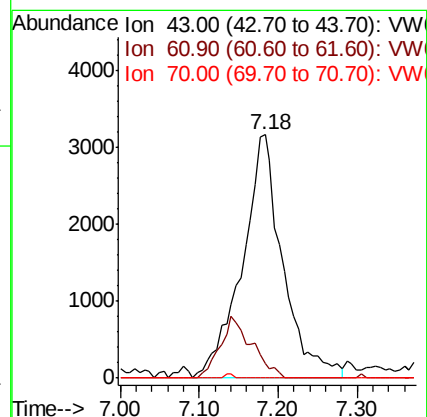
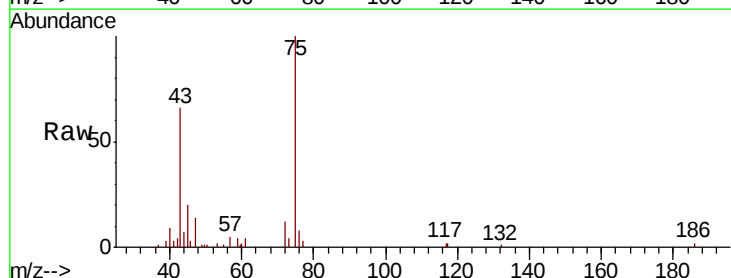
Tgt Ion: 43 Resp: 11379

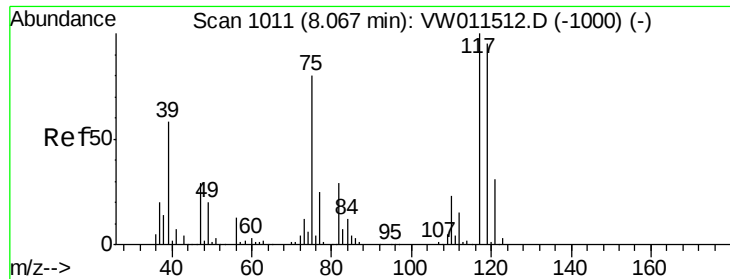
Ion Ratio Lower Upper

43 100

61 0.0 8.8 13.2#

70 0.0 7.1 10.7#

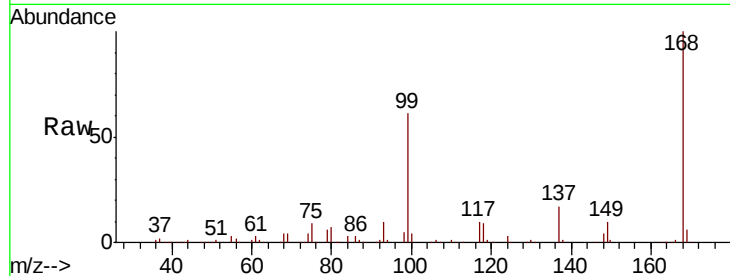




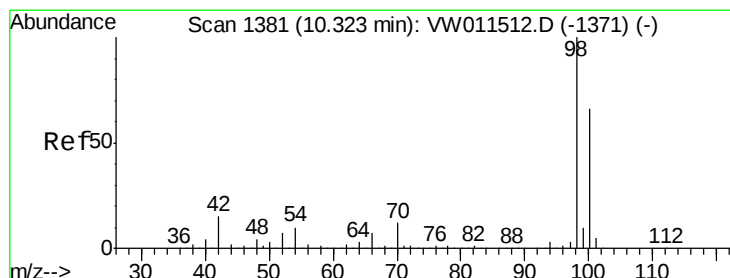
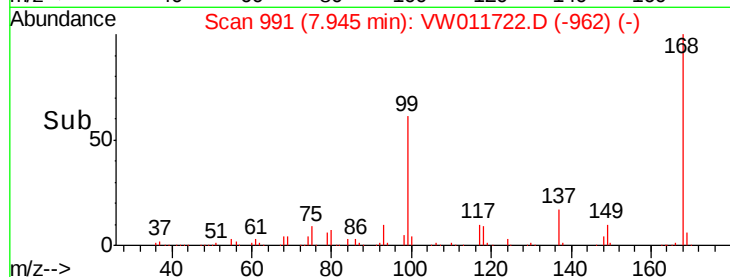
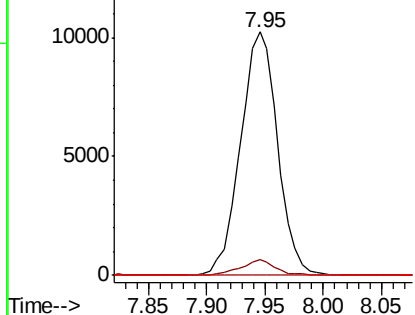
#38
Carbon Tetrachloride
Concen: 6.900 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW011722.D
Acq: 05 Aug 2019 20:49

Instrument :
MSVOA_W
ClientSampled :
PS-6

Tgt Ion:117 Resp: 22635
Ion Ratio Lower Upper
117 100
119 6.3 75.8 113.6#
121 0.0 24.7 37.1#

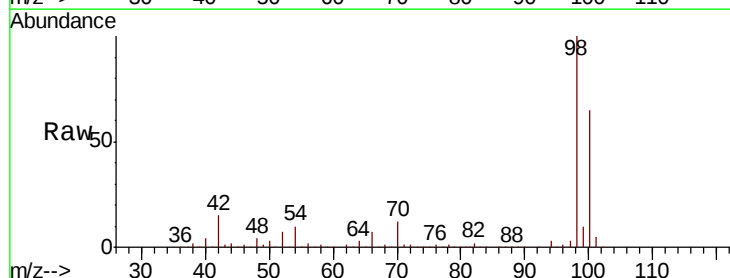


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

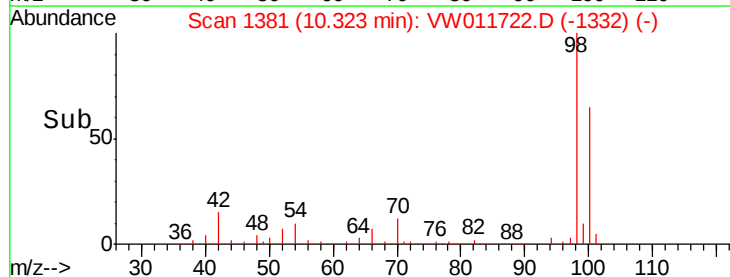
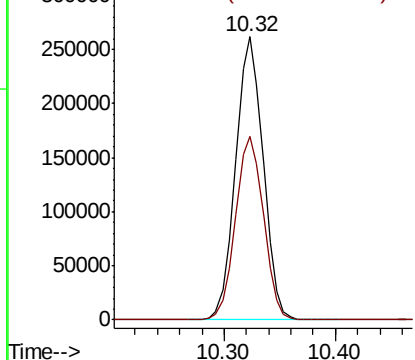


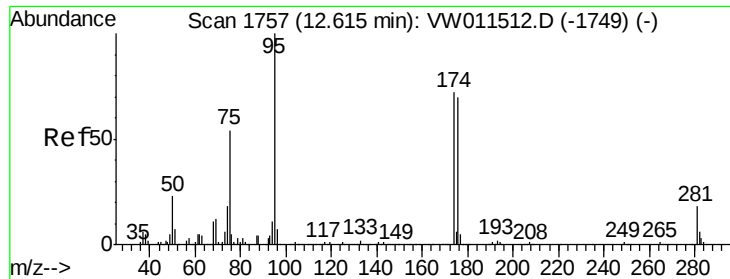
#50
Toluene-d8
Concen: 53.019 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW011722.D
Acq: 05 Aug 2019 20:49

Tgt Ion: 98 Resp: 448811
Ion Ratio Lower Upper
98 100
100 65.8 52.7 79.1



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

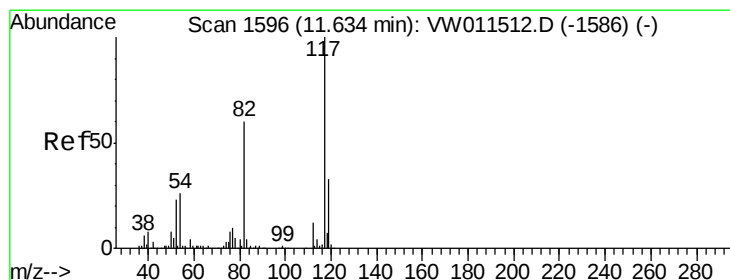
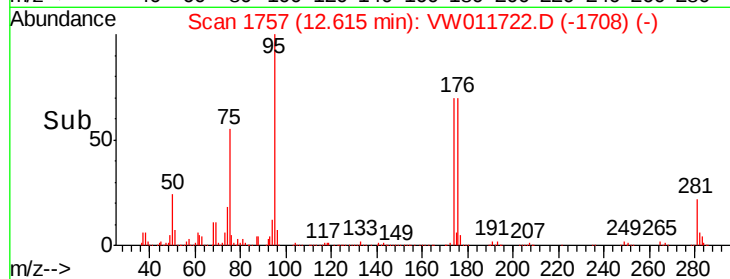
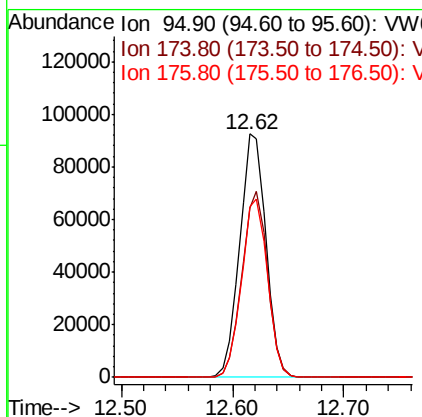
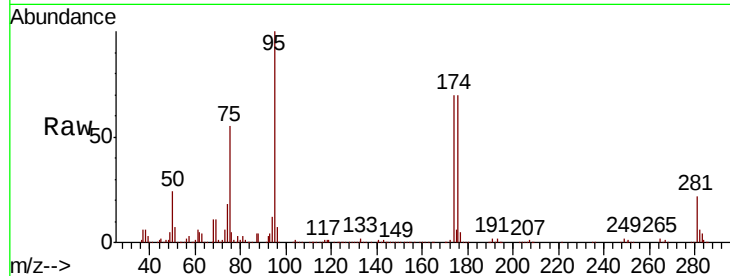




#62
4-Bromofluorobenzene
Concen: 50.166 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW011722.D
Acq: 05 Aug 2019 20:49

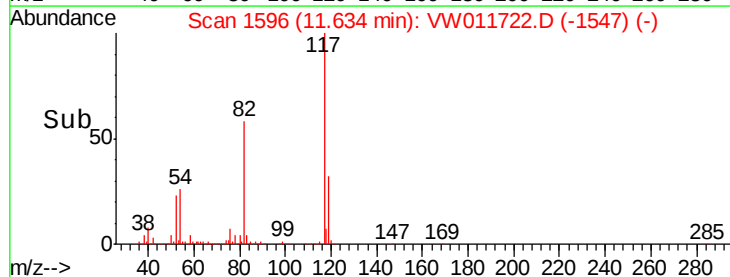
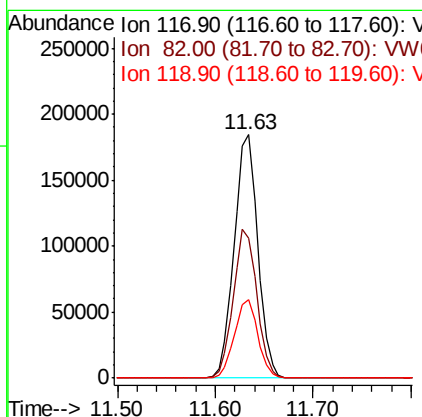
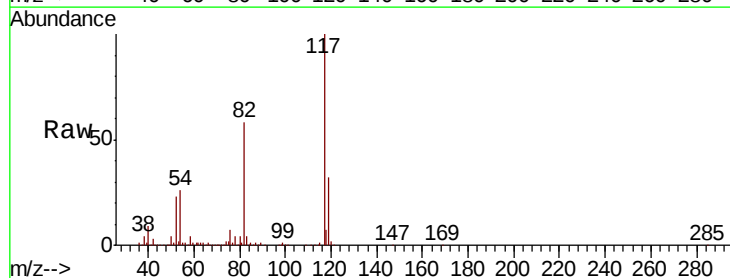
Instrument :
MSVOA_W
ClientSampleId :
PS-6

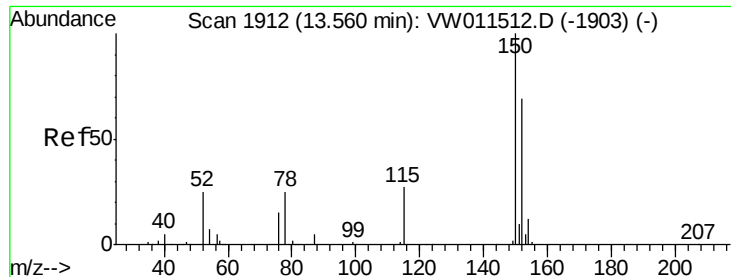
Tgt Ion	Ratio	Lower	Upper
95	100		
174	74.9	0.0	150.2
176	72.6	0.0	144.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW011722.D
Acq: 05 Aug 2019 20:49

Tgt Ion	Ratio	Lower	Upper
117	100		
82	57.7	47.9	71.9
119	32.1	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: VW011722.D

Acq: 05 Aug 2019 20:49

Instrument :

MSVOA_W

ClientSampleId :

PS-6

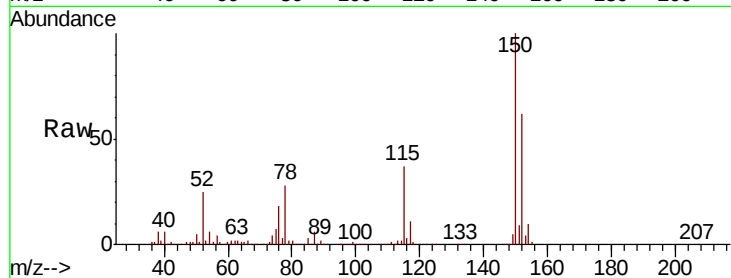
Tgt Ion:152 Resp: 132646

Ion Ratio Lower Upper

152 100

115 60.1 30.5 91.5

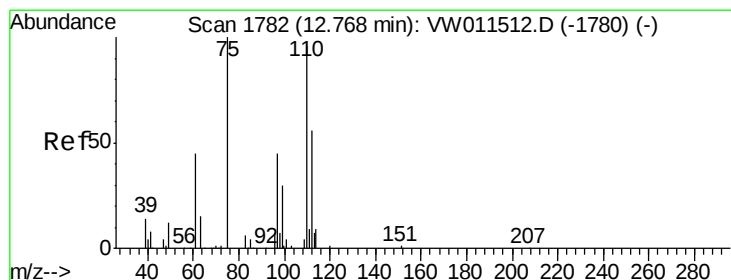
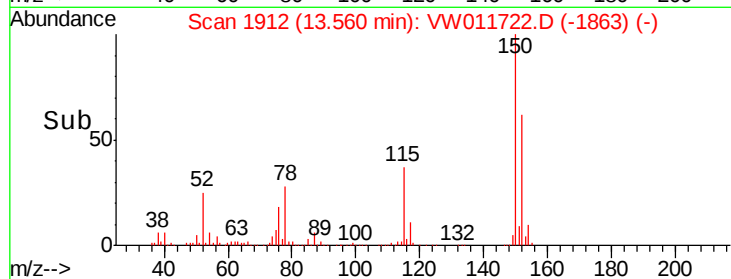
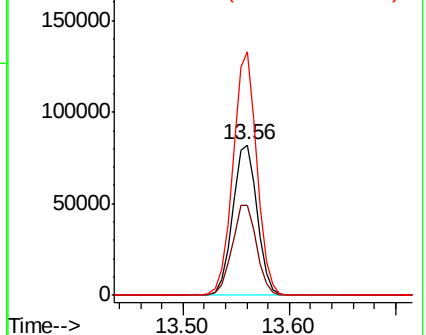
150 156.9 0.0 352.6



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: 58.111 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW011722.D

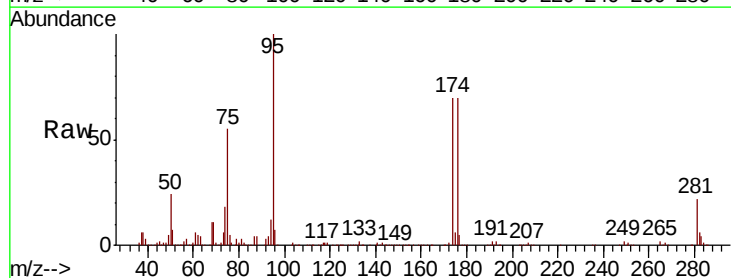
Acq: 05 Aug 2019 20:49

Tgt Ion: 75 Resp: 81561

Ion Ratio Lower Upper

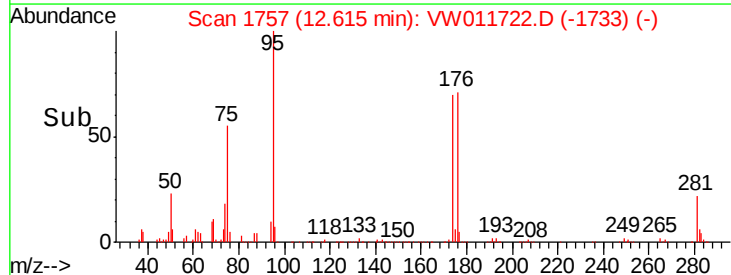
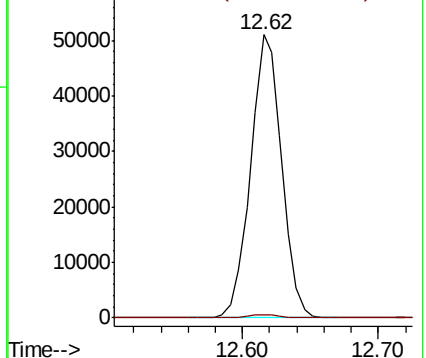
75 100

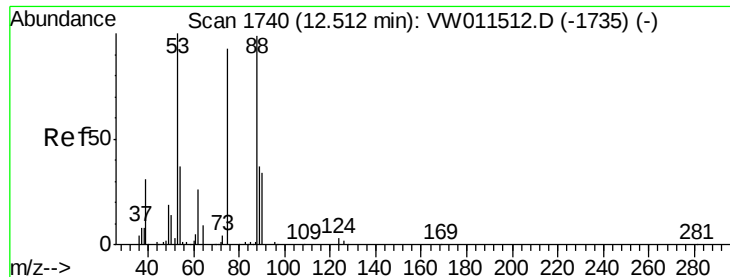
77 1.4 0.0 0.0#



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: 133.925 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW011722.D

Acq: 05 Aug 2019 20:49

Instrument :

MSVOA_W

ClientSampleId :

PS-6

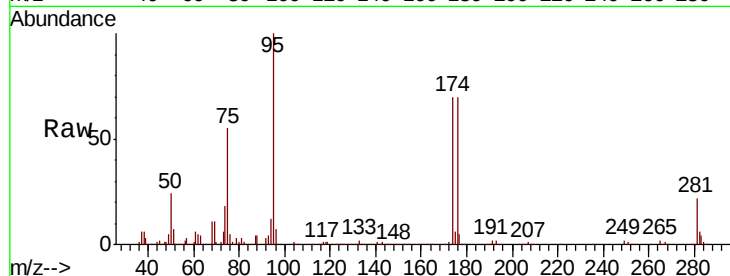
Tgt Ion: 75 Resp: 81561

Ion Ratio Lower Upper

75 100

53 0.0 88.0 132.0#

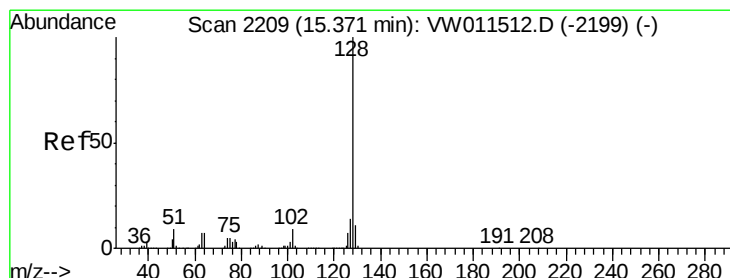
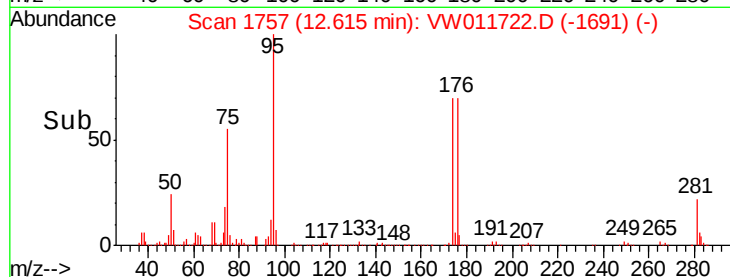
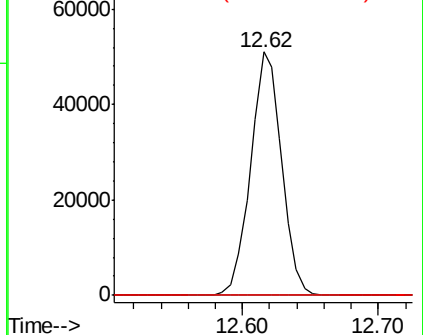
89 0.0 35.3 52.9#



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: 2.132 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. -0.01 min

Lab File: VW011722.D

Acq: 05 Aug 2019 20:49

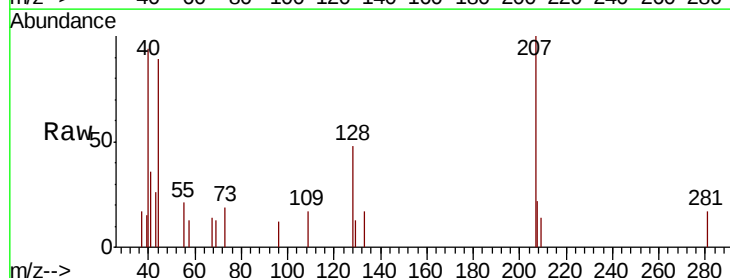
Tgt Ion: 128 Resp: 362

Ion Ratio Lower Upper

128 100

127 0.0 10.6 16.0#

129 12.4 8.6 13.0



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

