

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW080619\
 Data File : VW011724.D
 Acq On : 05 Aug 2019 21:41
 Operator : SY/VA
 Sample : K4154-08
 Misc : 5.04G/5ML/MSVOA_W/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 PS-8

Quant Time: Aug 06 08:07:07 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

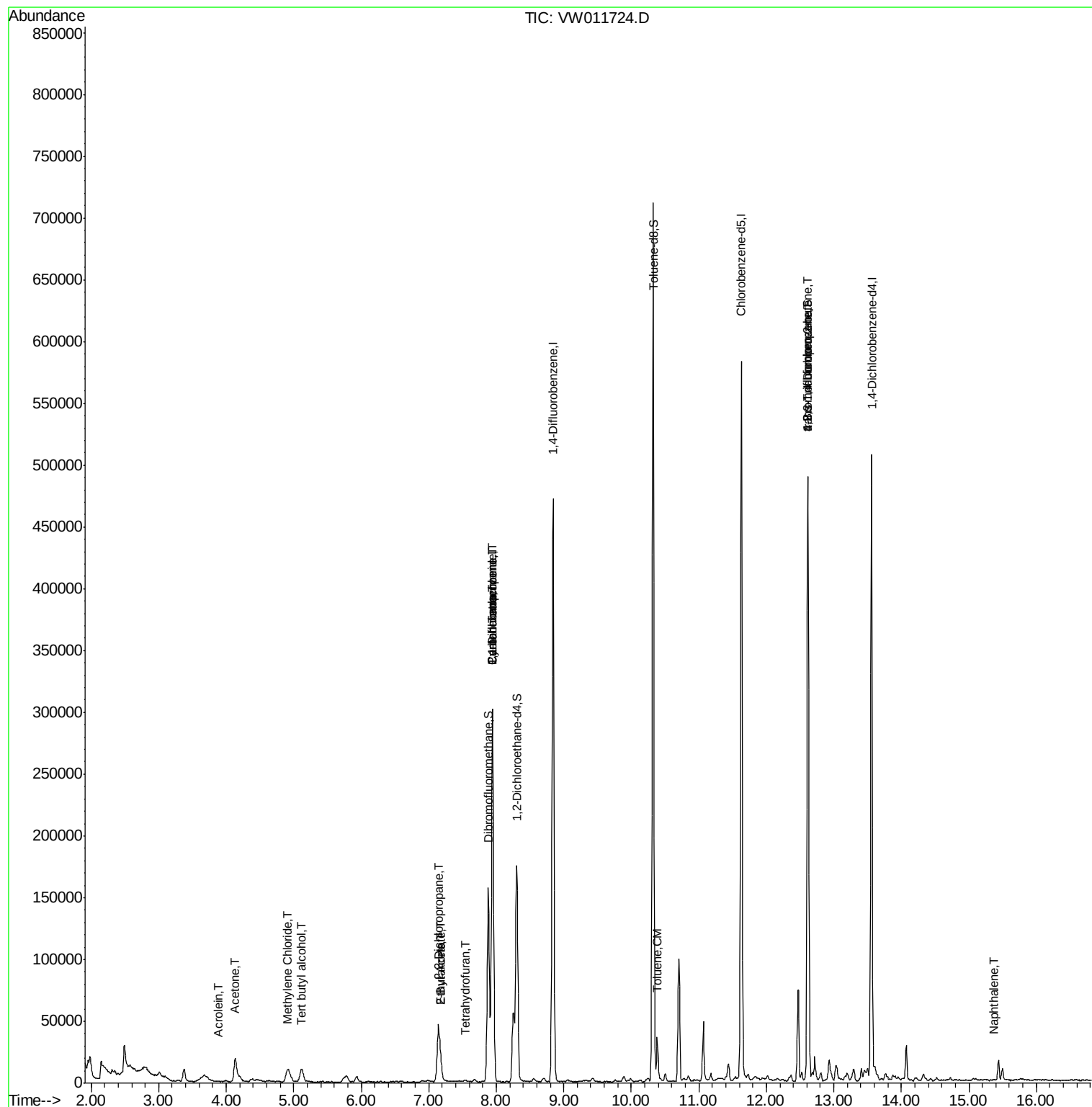
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	220702	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	366142	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	302760	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	123921	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	138929	54.82	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.64%	
35) Dibromofluoromethane	7.88	113	111980	54.51	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.02%	
50) Toluene-d8	10.32	98	448141	53.29	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.58%	
62) 4-Bromofluorobenzene	12.62	95	144629	48.24	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.48%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.12	59	10397	40.659	ug/l #	76
13) Acrolein	3.89	56	277	1.523	ug/l #	57
16) Acetone	4.13	43	38783	48.109	ug/l	97
20) Methylene Chloride	4.92	84	7097	2.553	ug/l	89
25) 2-Butanone	7.18	43	19726	18.700	ug/l	100
26) 2,2-Dichloropropane	7.14	77	3136	1.033	ug/l #	54
29) Tetrahydrofuran	7.54	42	1268	2.103	ug/l #	85
31) Cyclohexane	7.95	56	5564	1.174	ug/l #	1
36) 1,1-Dichloropropene	7.94	75	19153	5.031	ug/l #	51
37) Ethyl Acetate	7.18	43	19726	9.006	ug/l #	73
38) Carbon Tetrachloride	7.95	117	22346	6.856	ug/l #	17
52) Toluene	10.39	92	14188	2.203	ug/l	98
76) 1,2,3-Trichloropropane	12.62	75	77255	58.918	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	77255	135.786	ug/l #	6
95) Naphthalene	15.36	128	729	2.209	ug/l #	89

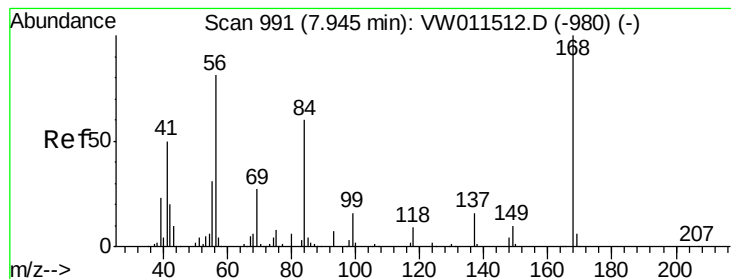
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW080619\
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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: VW011724.D

Acq: 05 Aug 2019 21:41

Instrument :

MSVOA_W

ClientSampled :

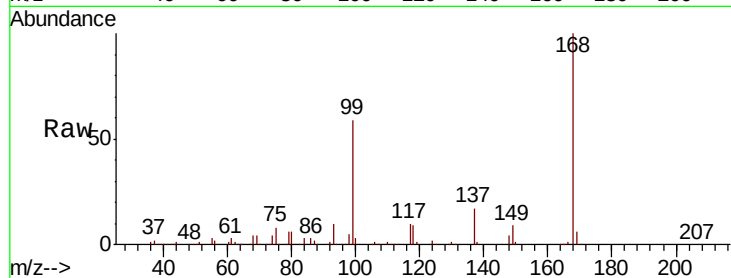
PS-8

Tgt Ion:168 Resp: 220702

Ion Ratio Lower Upper

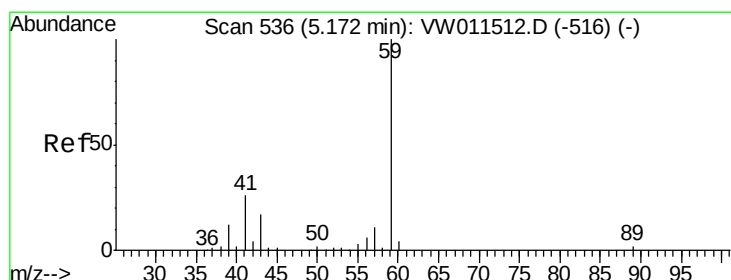
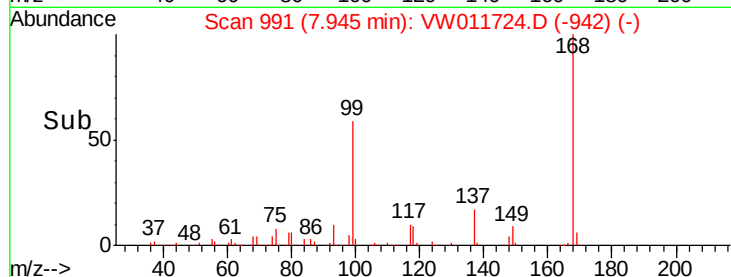
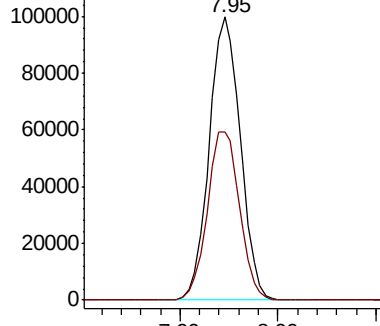
168 100

99 59.5 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: 40.659 ug/l

RT: 5.12 min Scan# 527

Delta R.T. -0.05 min

Lab File: VW011724.D

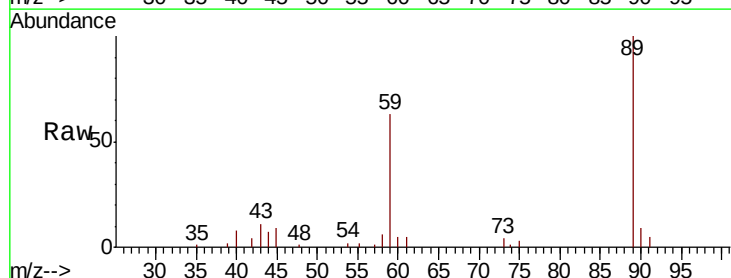
Acq: 05 Aug 2019 21:41

Tgt Ion: 59 Resp: 10397

Ion Ratio Lower Upper

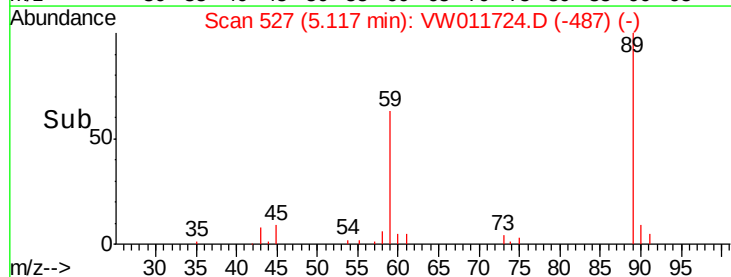
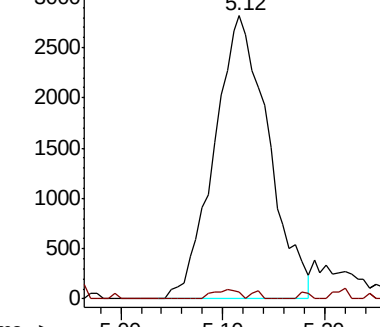
59 100

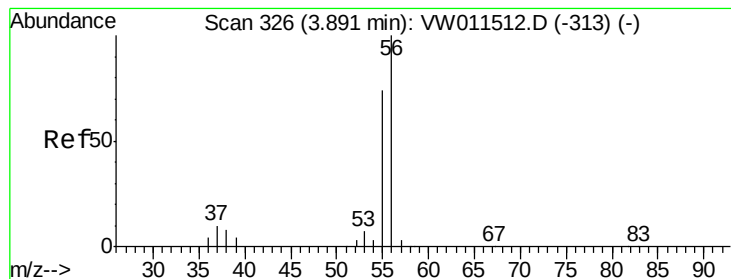
57 1.5 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#13

Acrolein

Concen: 1.523 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW011724.D

Acq: 05 Aug 2019 21:41

Instrument :

MSVOA_W

ClientSampled :

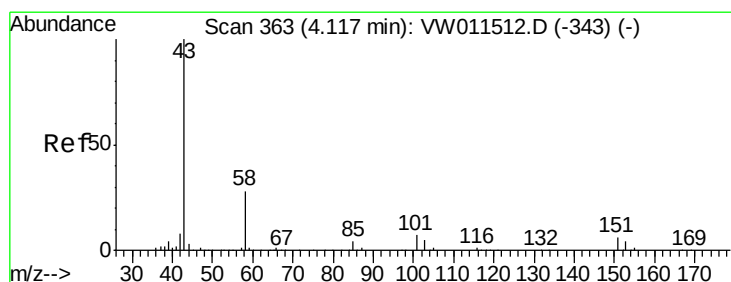
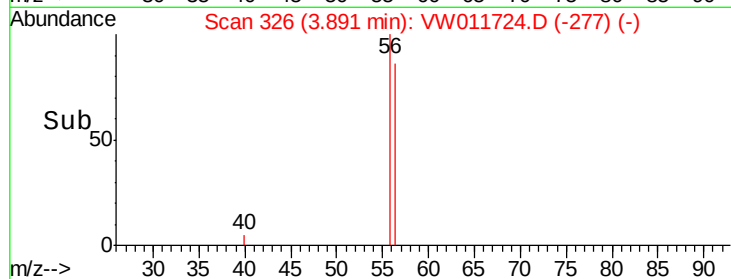
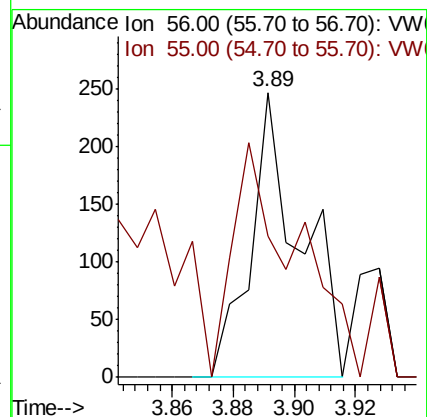
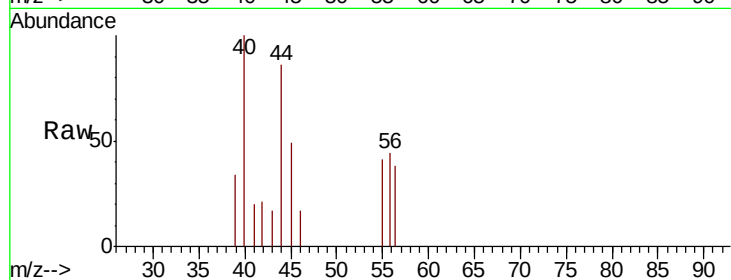
PS-8

Tgt Ion: 56 Resp: 277

Ion Ratio Lower Upper

56 100

55 105.4 56.0 84.0#



#16

Acetone

Concen: 48.109 ug/l

RT: 4.13 min Scan# 366

Delta R.T. 0.02 min

Lab File: VW011724.D

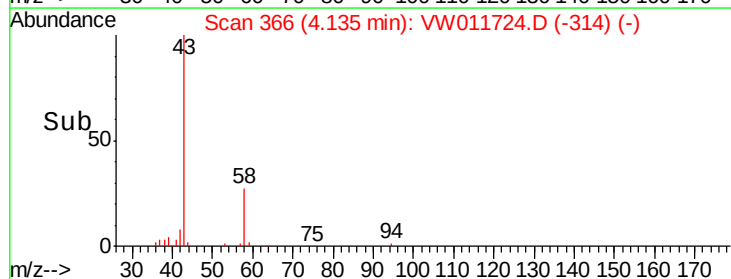
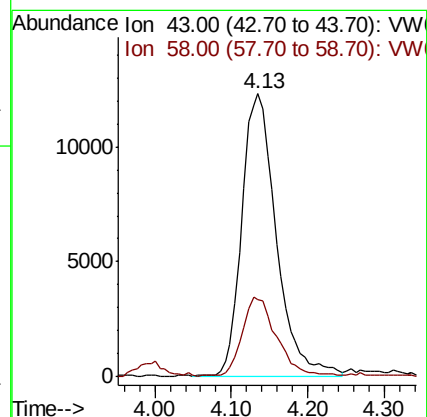
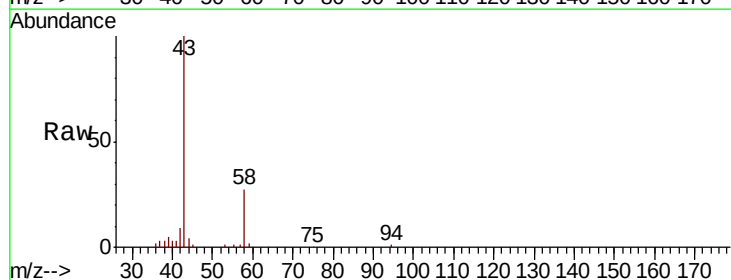
Acq: 05 Aug 2019 21:41

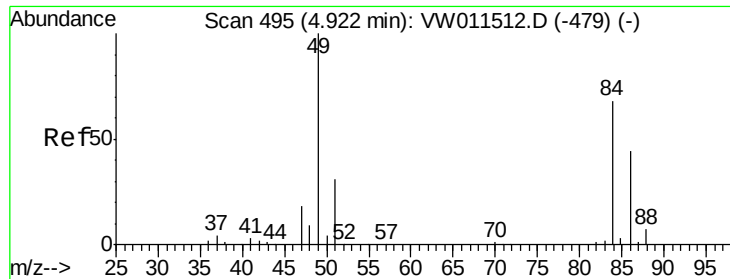
Tgt Ion: 43 Resp: 38783

Ion Ratio Lower Upper

43 100

58 26.5 22.3 33.5

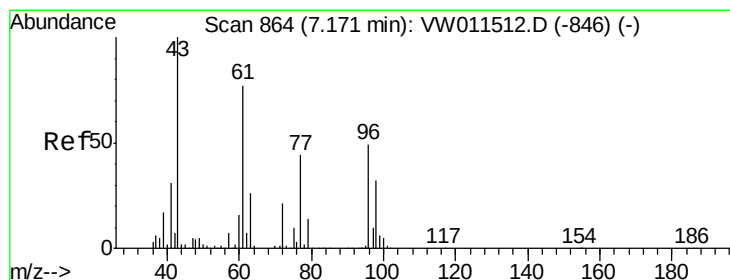
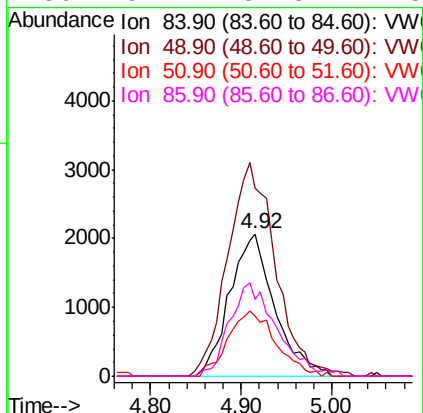
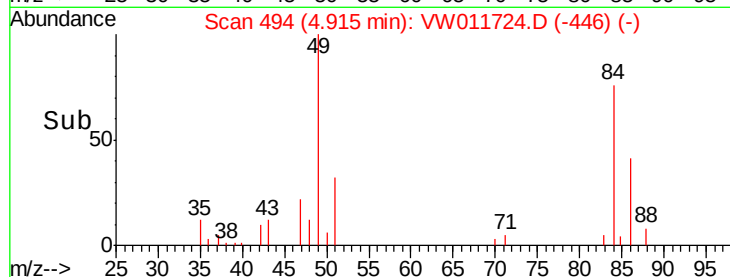
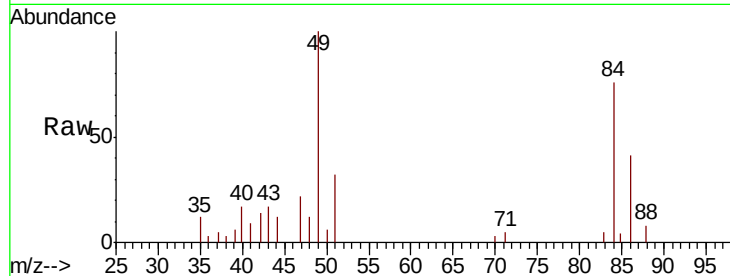




#20
Methylene Chloride
Concen: 2.553 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW011724.D
Acq: 05 Aug 2019 21:41

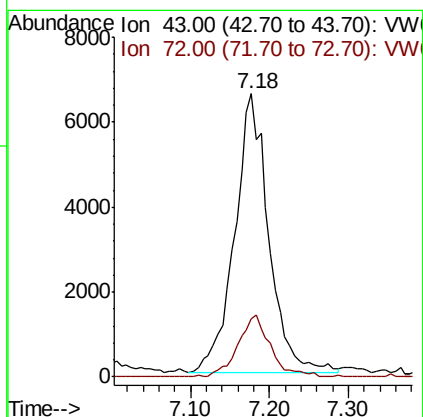
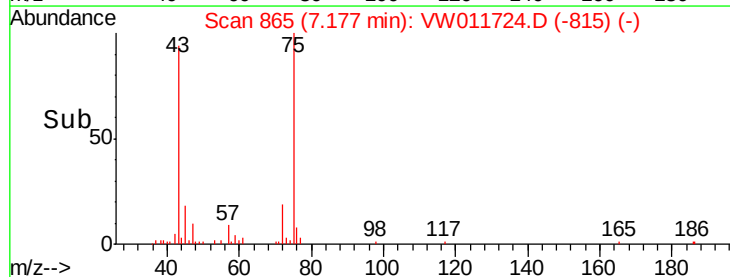
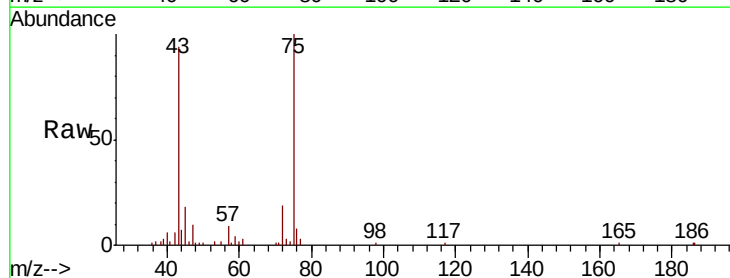
Instrument :
MSVOA_W
ClientSampled :
PS-8

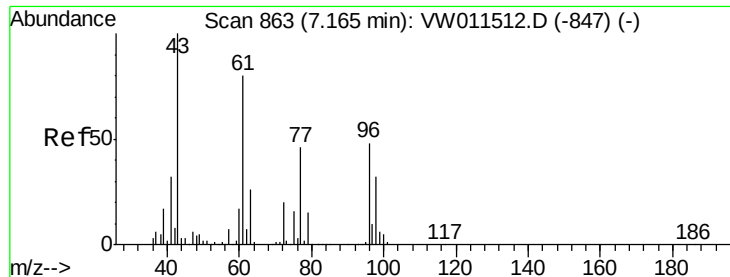
Tgt Ion: 84 Resp: 7097
Ion Ratio Lower Upper
84 100
49 131.9 117.8 176.6
51 42.2 37.0 55.4
86 54.1 51.8 77.8



#25
2-Butanone
Concen: 18.700 ug/l
RT: 7.18 min Scan# 865
Delta R.T. 0.01 min
Lab File: VW011724.D
Acq: 05 Aug 2019 21:41

Tgt Ion: 43 Resp: 19726
Ion Ratio Lower Upper
43 100
72 20.7 16.6 24.8

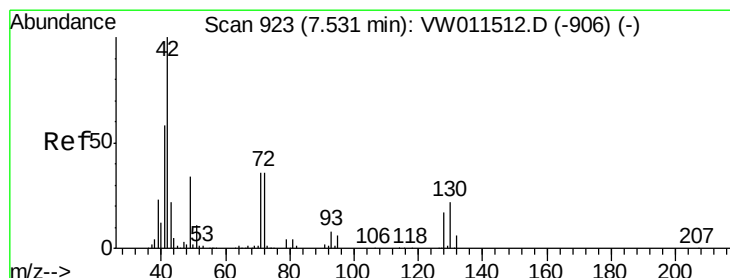
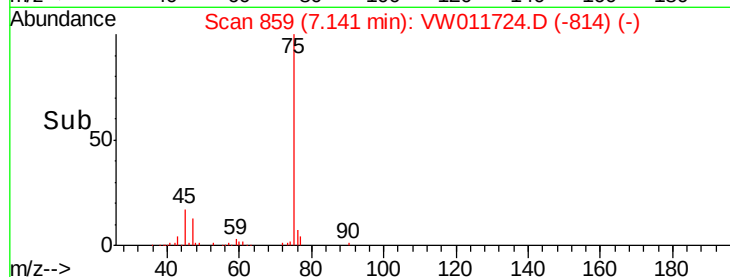
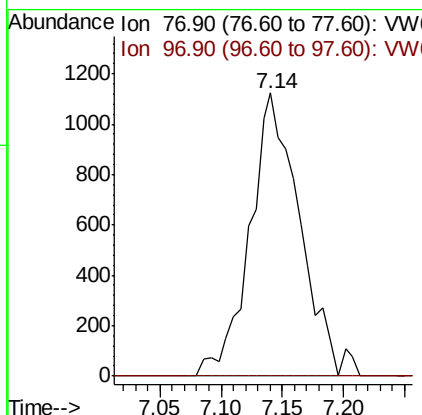
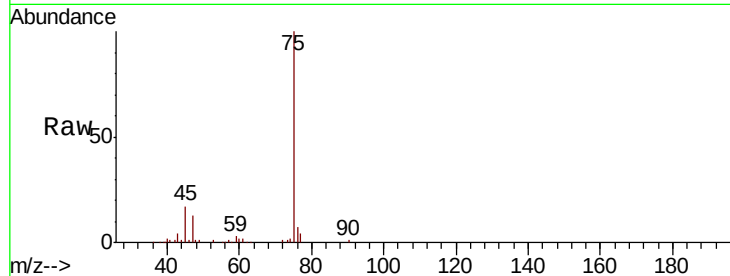




#26
 2,2-Dichloropropane
 Concen: 1.033 ug/l
 RT: 7.14 min Scan# 859
 Delta R.T. -0.02 min
 Lab File: VW011724.D
 Acq: 05 Aug 2019 21:41

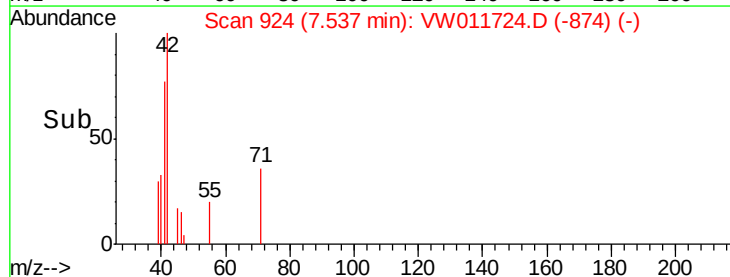
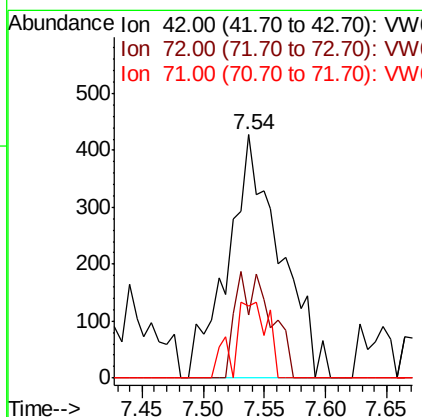
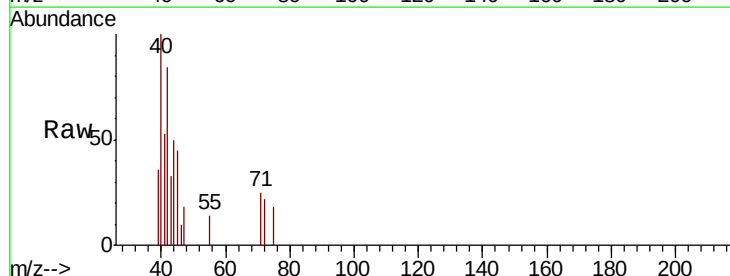
Instrument :
 MSVOA_W
 ClientSampled :
 PS-8

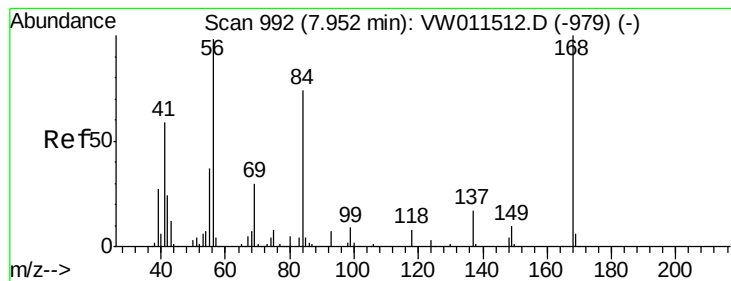
Tgt Ion: 77 Resp: 3136
 Ion Ratio Lower Upper
 77 100
 97 0.0 10.8 32.4#



#29
 Tetrahydrofuran
 Concen: 2.103 ug/l
 RT: 7.54 min Scan# 924
 Delta R.T. 0.01 min
 Lab File: VW011724.D
 Acq: 05 Aug 2019 21:41

Tgt Ion: 42 Resp: 1268
 Ion Ratio Lower Upper
 42 100
 72 28.9 27.1 40.7
 71 20.6 26.2 39.4#





#31

Cyclohexane

Concen: 1.174 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW011724.D

Acq: 05 Aug 2019 21:41

Instrument :

MSVOA_W

ClientSampled :

PS-8

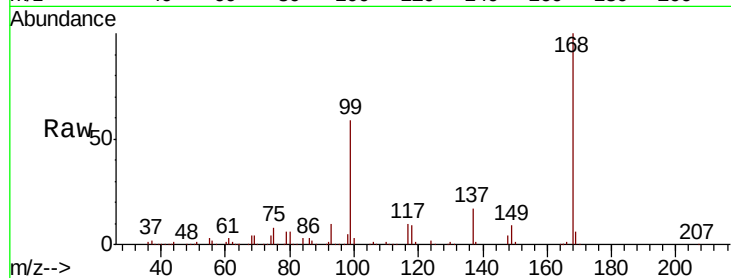
Tgt Ion: 56 Resp: 5564

Ion Ratio Lower Upper

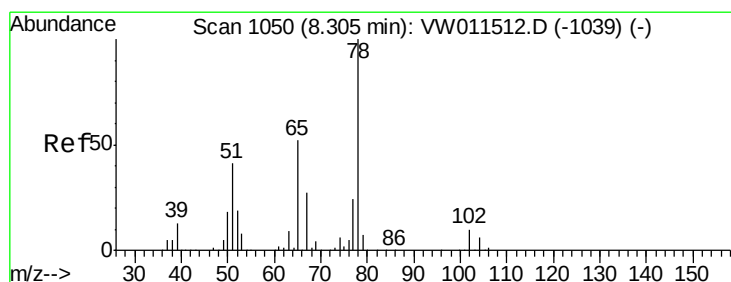
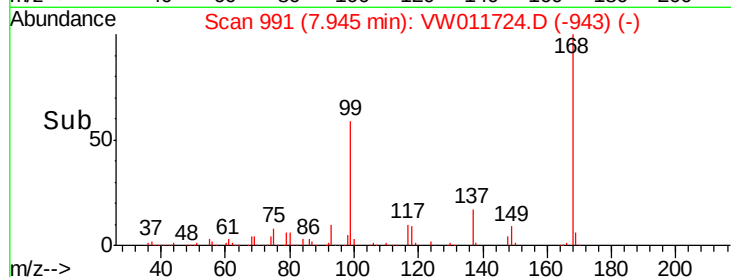
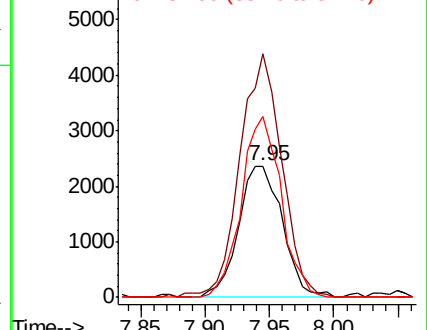
56 100

69 186.0 24.3 36.5#

84 138.0 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: 54.820 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW011724.D

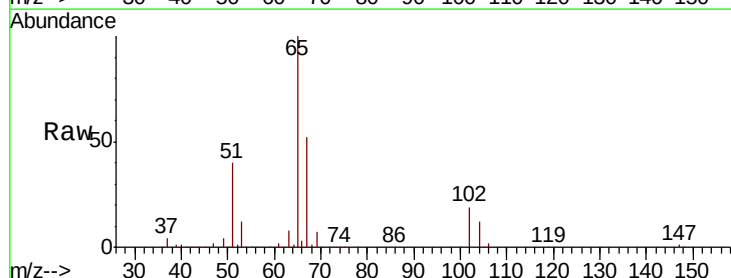
Acq: 05 Aug 2019 21:41

Tgt Ion: 65 Resp: 138929

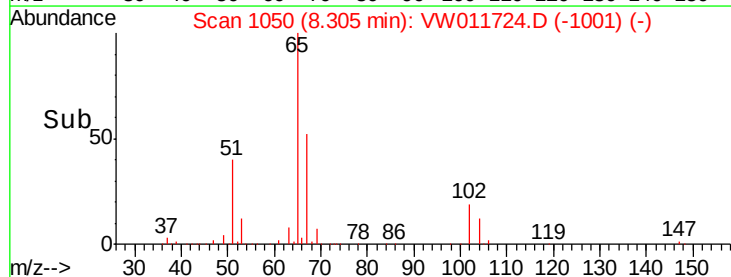
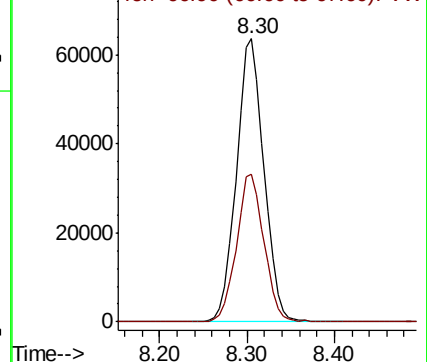
Ion Ratio Lower Upper

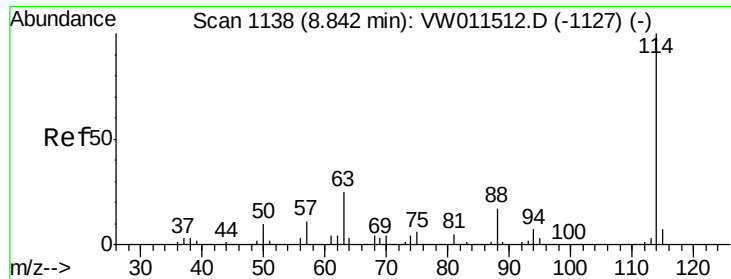
65 100

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

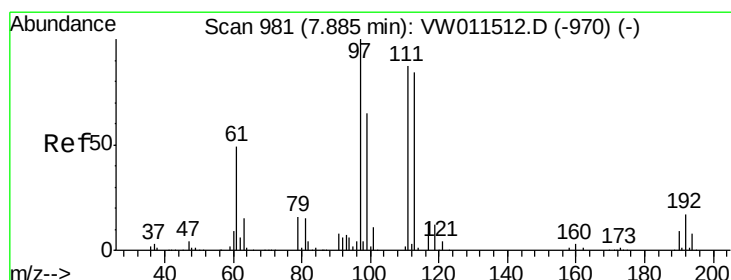
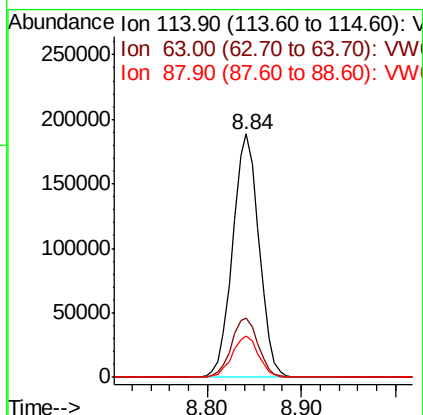
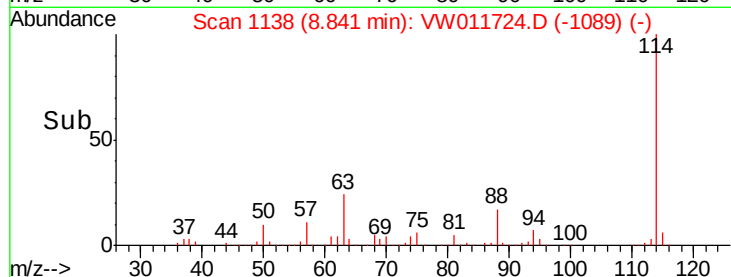
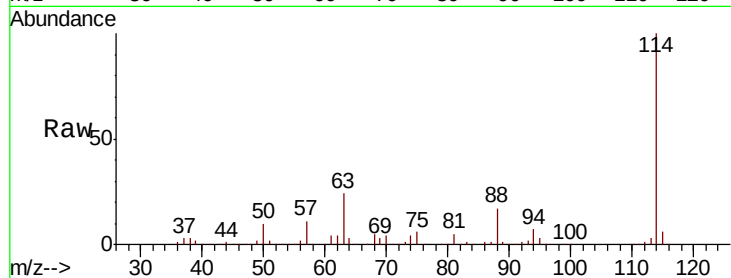




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW011724.D
 Acq: 05 Aug 2019 21:41

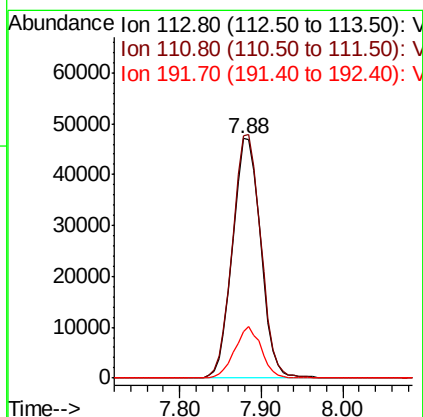
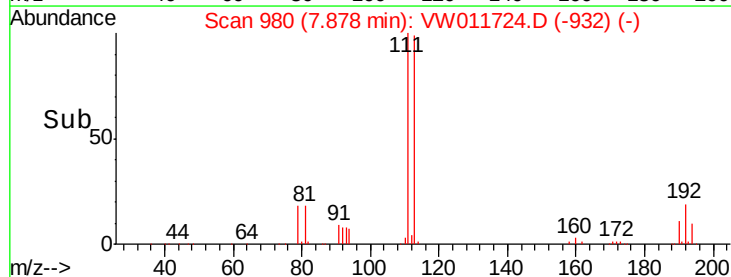
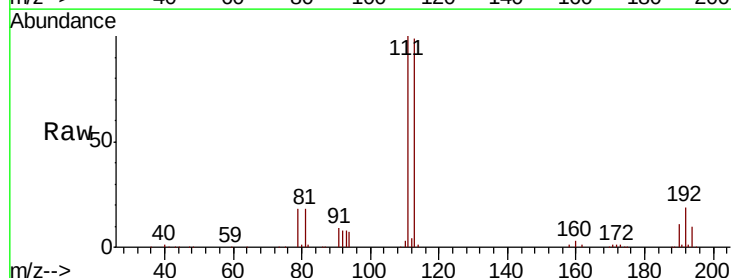
Instrument :
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 ClientSampleId :
 PS-8

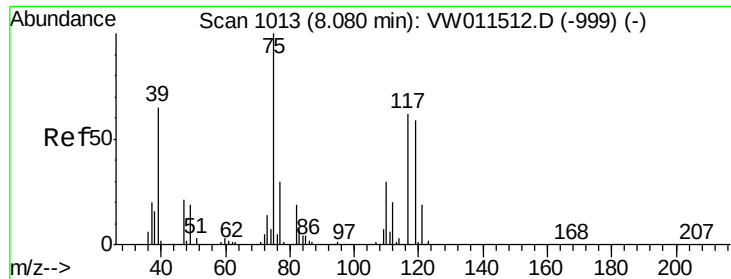
Tgt Ion:114 Resp: 366142
 Ion Ratio Lower Upper
 114 100
 63 24.4 0.0 49.2
 88 16.8 0.0 33.8



#35
 Dibromofluoromethane
 Concen: 54.515 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW011724.D
 Acq: 05 Aug 2019 21:41

Tgt Ion:113 Resp: 111980
 Ion Ratio Lower Upper
 113 100
 111 102.7 82.7 124.1
 192 20.4 16.1 24.1

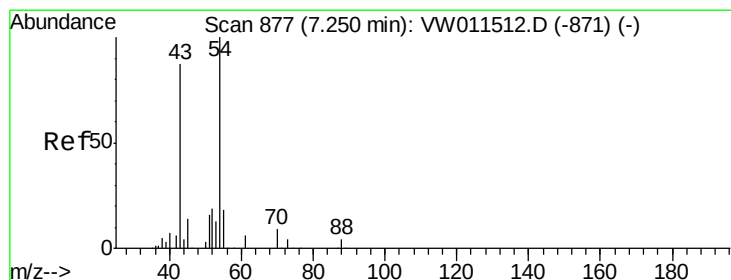
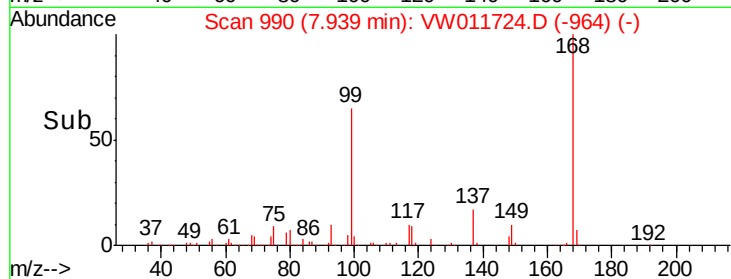
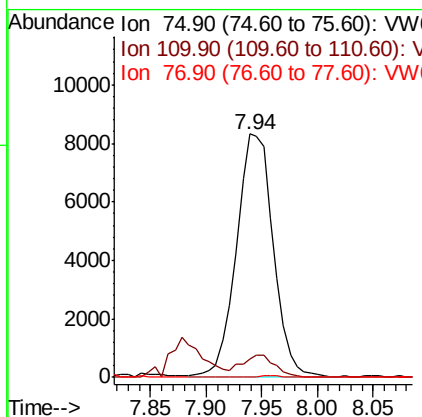
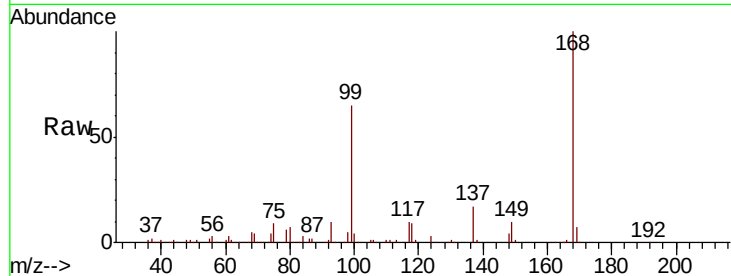




#36
 1,1-Dichloropropene
 Concen: 5.031 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW011724.D
 Acq: 05 Aug 2019 21:41

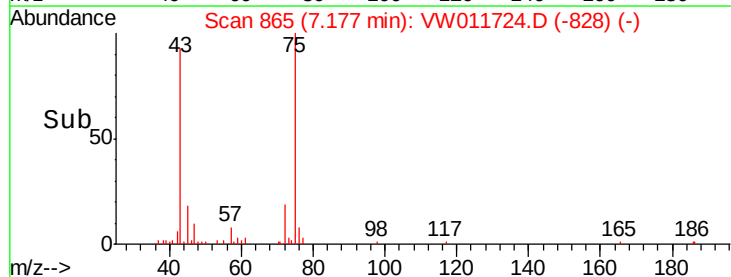
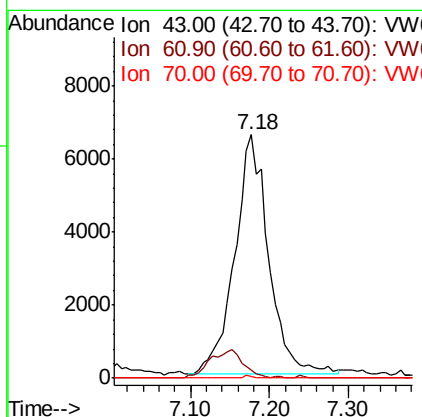
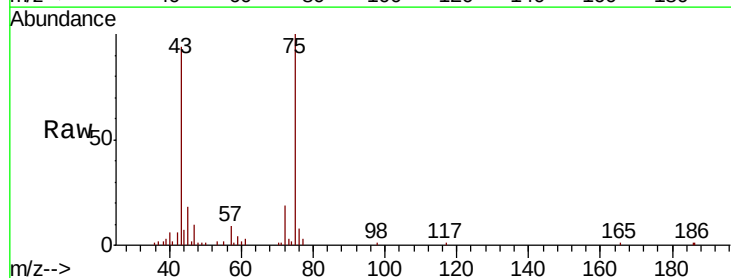
Instrument :
 MSVOA_W
 ClientSampled :
 PS-8

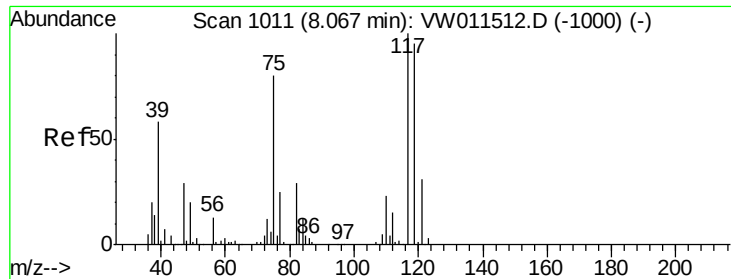
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.3	15.6	46.8#
77	0.0	24.3	36.5#



#37
 Ethyl Acetate
 Concen: 9.006 ug/l
 RT: 7.18 min Scan# 865
 Delta R.T. -0.07 min
 Lab File: VW011724.D
 Acq: 05 Aug 2019 21:41

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	8.8	13.2#
70	0.2	7.1	10.7#





#38

Carbon Tetrachloride

Concen: 6.856 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW011724.D

Acq: 05 Aug 2019 21:41

Instrument :

MSVOA_W

ClientSampled :

PS-8

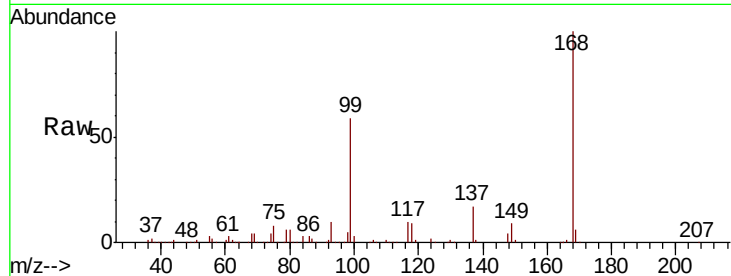
Tgt Ion:117 Resp: 22346

Ion Ratio Lower Upper

117 100

119 5.7 75.8 113.6#

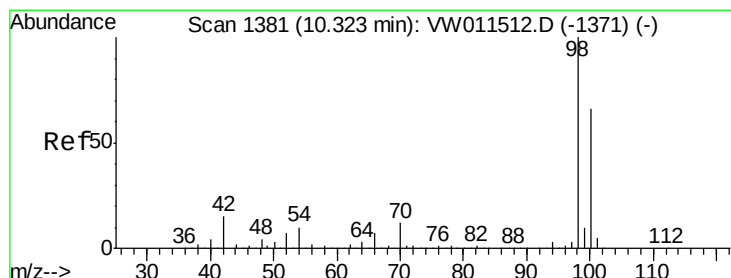
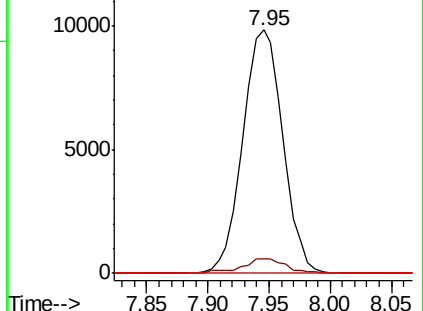
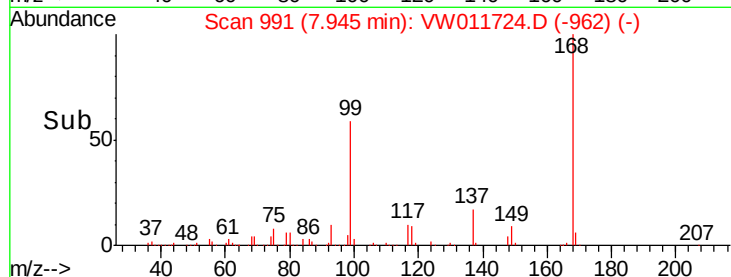
121 0.0 24.7 37.1#



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: 53.286 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW011724.D

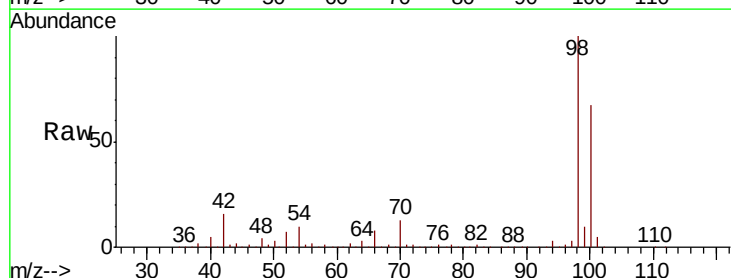
Acq: 05 Aug 2019 21:41

Tgt Ion: 98 Resp: 448141

Ion Ratio Lower Upper

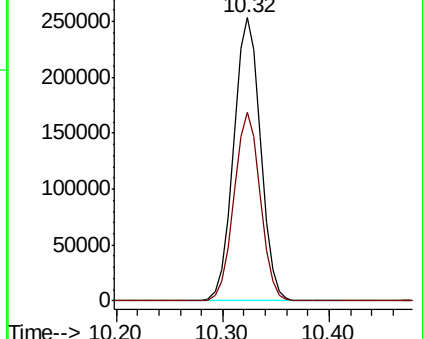
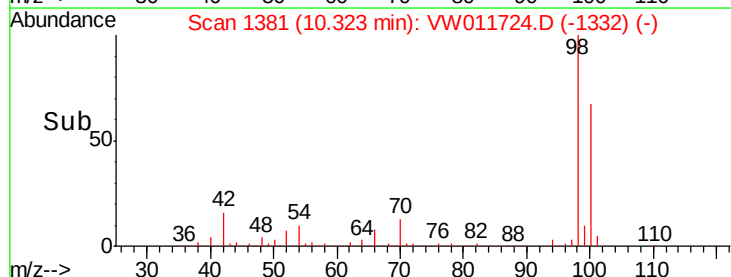
98 100

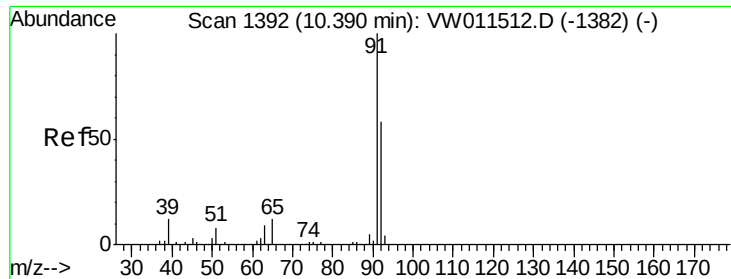
100 65.3 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#52

Toluene

Concen: 2.203 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW011724.D

Acq: 05 Aug 2019 21:41

Instrument :

MSVOA_W

ClientSampleId :

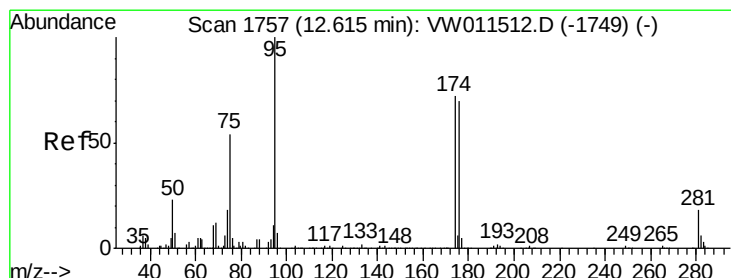
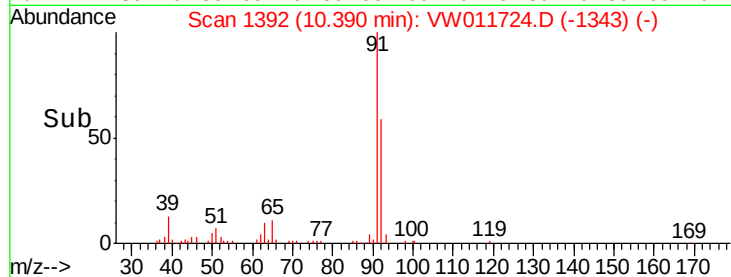
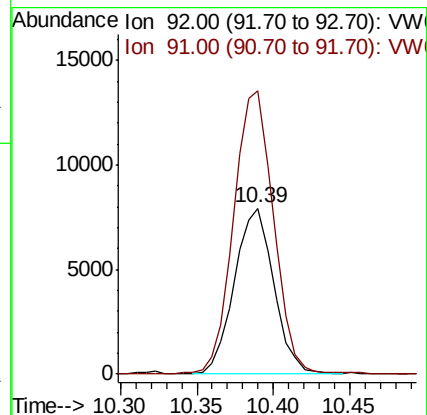
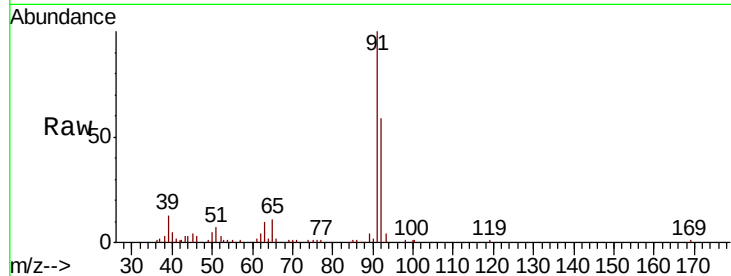
PS-8

Tgt Ion: 92 Resp: 14188

Ion Ratio Lower Upper

92 100

91 173.1 136.7 205.1



#62

4-Bromofluorobenzene

Concen: 48.235 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW011724.D

Acq: 05 Aug 2019 21:41

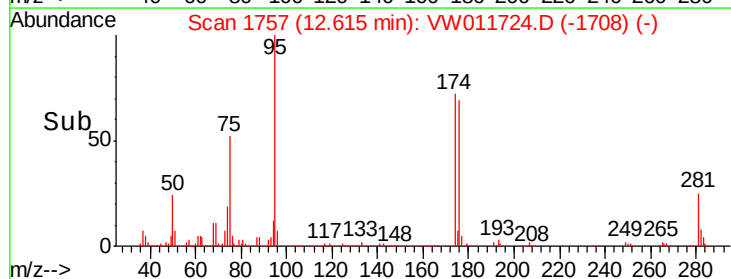
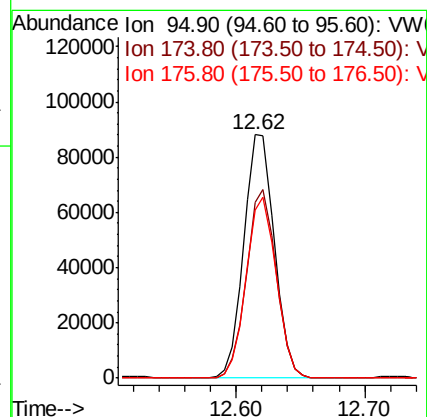
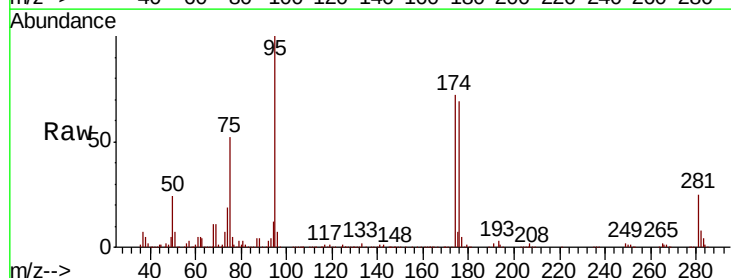
Tgt Ion: 95 Resp: 144629

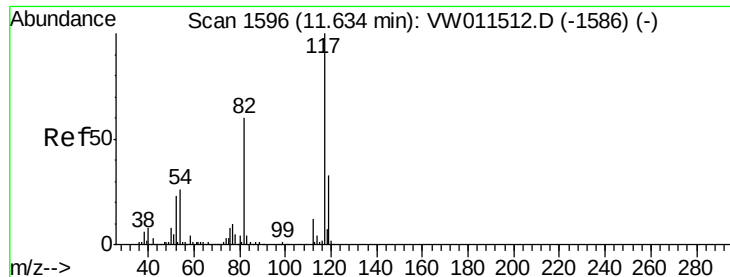
Ion Ratio Lower Upper

95 100

174 75.2 0.0 150.2

176 73.2 0.0 144.4

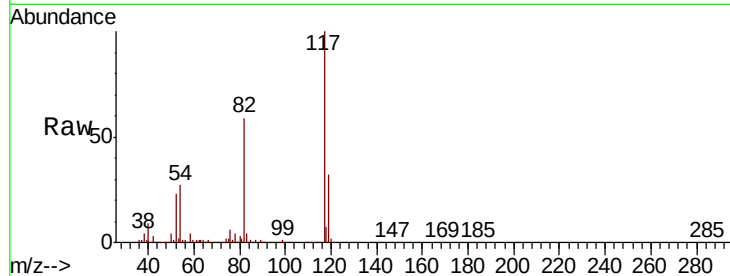




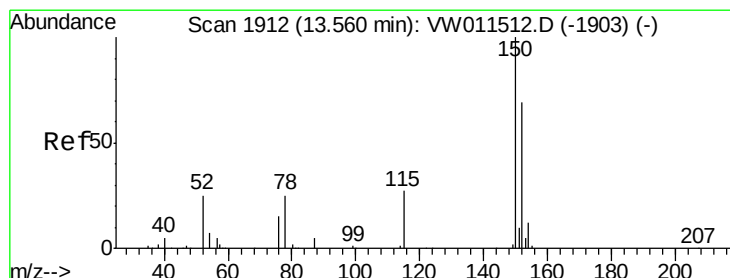
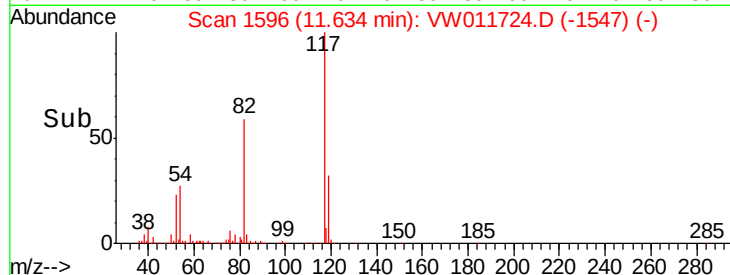
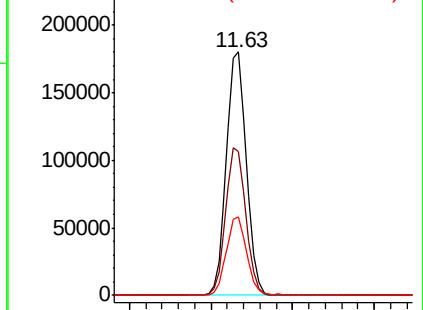
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW011724.D
Acq: 05 Aug 2019 21:41

Instrument :
MSVOA_W
ClientSampleId :
PS-8

Tgt Ion:117 Resp: 302760
Ion Ratio Lower Upper
117 100
82 59.0 47.9 71.9
119 32.1 26.2 39.2

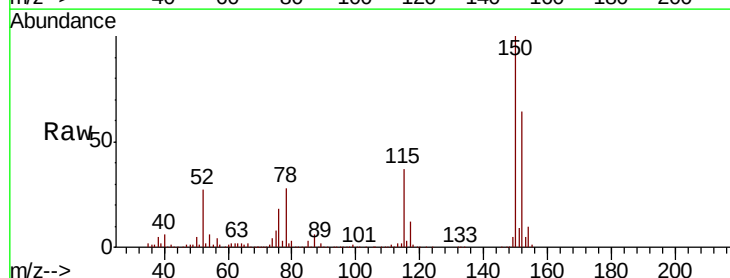


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

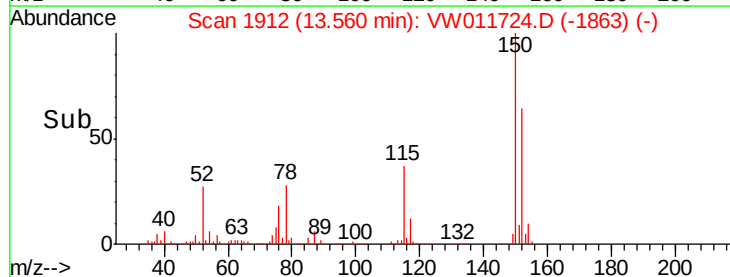
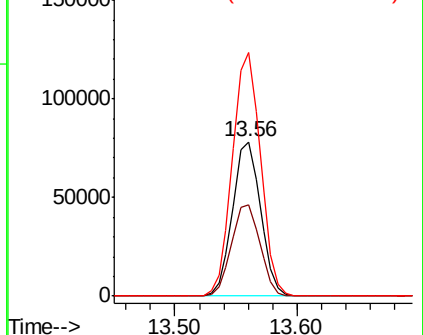


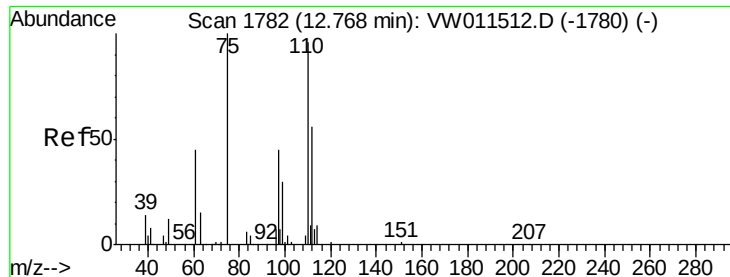
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW011724.D
Acq: 05 Aug 2019 21:41

Tgt Ion:152 Resp: 123921
Ion Ratio Lower Upper
152 100
115 60.0 30.5 91.5
150 158.2 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: 58.918 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW011724.D

Acq: 05 Aug 2019 21:41

Instrument :

MSVOA_W

ClientSampled :

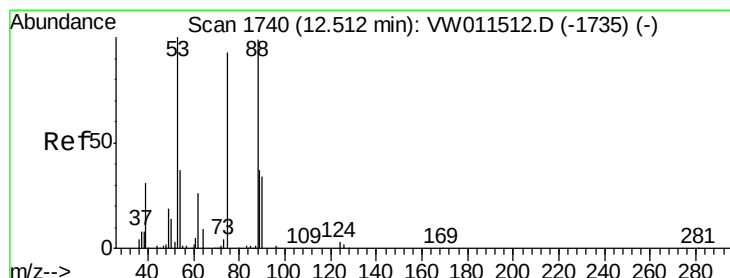
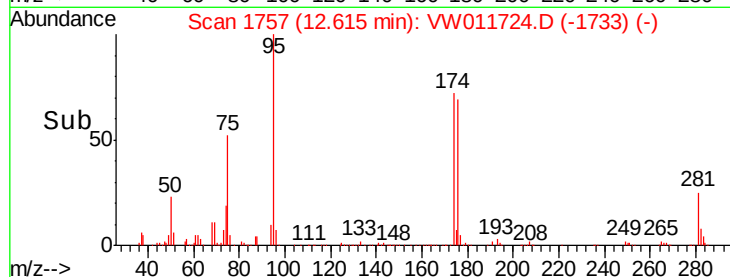
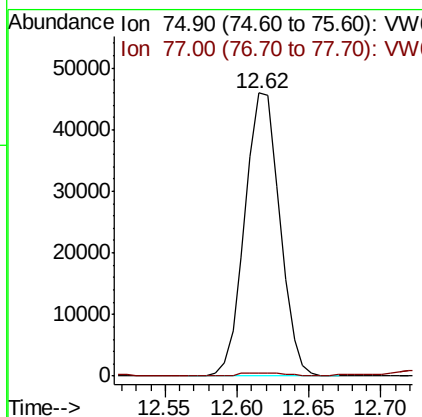
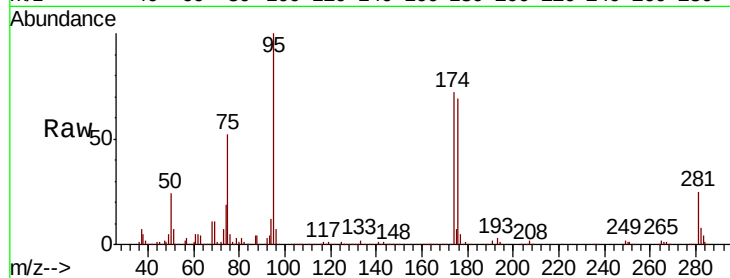
PS-8

Tgt Ion: 75 Resp: 77255

Ion Ratio Lower Upper

75 100

77 1.6 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 135.786 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW011724.D

Acq: 05 Aug 2019 21:41

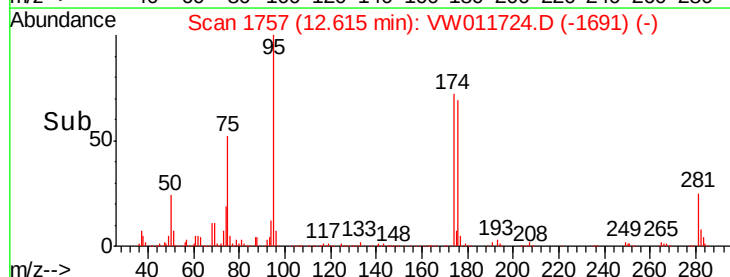
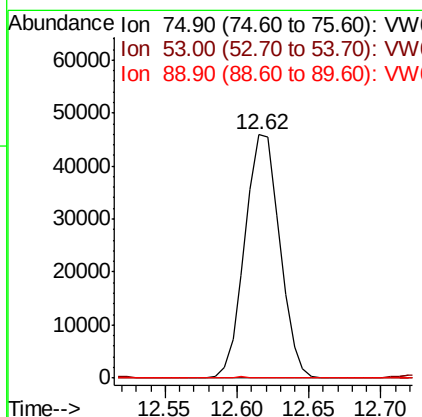
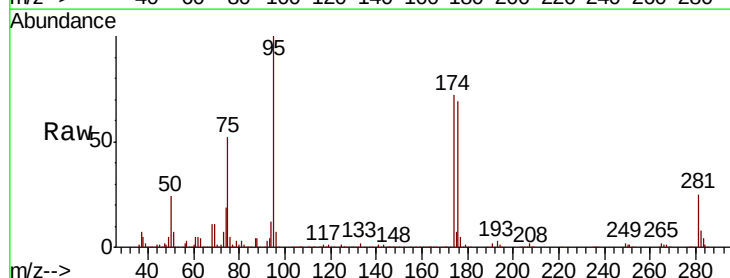
Tgt Ion: 75 Resp: 77255

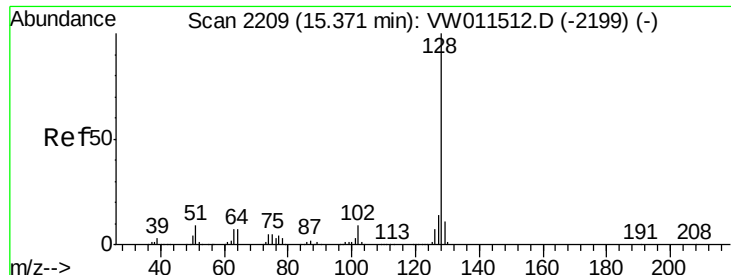
Ion Ratio Lower Upper

75 100

53 0.3 88.0 132.0#

89 0.2 35.3 52.9#

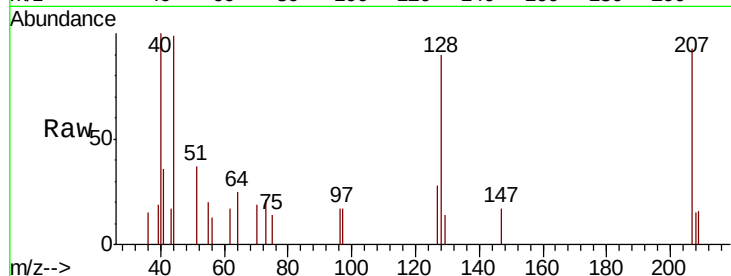




#95
Naphthalene
Concen: 2.209 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.01 min
Lab File: VW011724.D
Acq: 05 Aug 2019 21:41

Instrument :
MSVOA_W
ClientSampleId :
PS-8

Tgt Ion	Ratio	Lower	Upper
128	100		
127	5.9	10.6	16.0#
129	9.7	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

