

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW080619\
 Data File : VW011726.D
 Acq On : 05 Aug 2019 22:32
 Operator : SY/VA
 Sample : K4154-10
 Misc : 4.39G/5ML/MSVOA_W/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 PS-10

Quant Time: Aug 06 08:07:36 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	211833	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	353712	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	293629	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	120862	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	136809	56.24	ug/l	0.00
Spiked Amount 50.000			Recovery	=	112.48%	
35) Dibromofluoromethane	7.88	113	110914	55.89	ug/l	0.00
Spiked Amount 50.000			Recovery	=	111.78%	
50) Toluene-d8	10.32	98	434687	53.50	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.00%	
62) 4-Bromofluorobenzene	12.62	95	139726	48.24	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.48%	

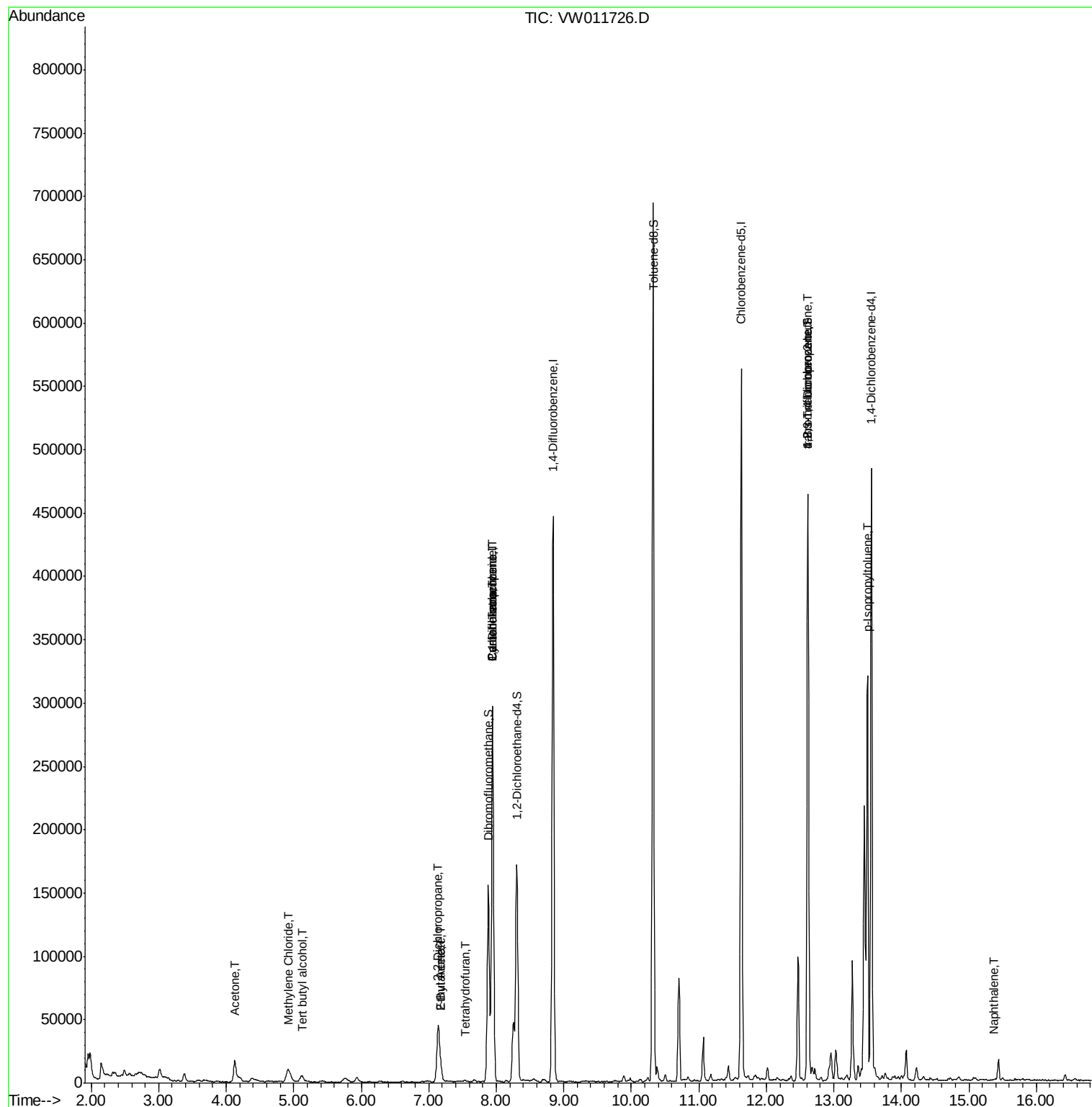
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.12	59	4980	10.672	ug/l #	75
16) Acetone	4.13	43	32381	41.849	ug/l	95
20) Methylene Chloride	4.92	84	6988	2.619	ug/l	96
25) 2-Butanone	7.18	43	16950	16.741	ug/l	100
26) 2,2-Dichloropropane	7.13	77	3232	1.109	ug/l #	54
29) Tetrahydrofuran	7.54	42	1177	2.034	ug/l	90
31) Cyclohexane	7.95	56	6008	1.321	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	19003	5.167	ug/l #	52
37) Ethyl Acetate	7.18	43	16950	8.010	ug/l #	73
38) Carbon Tetrachloride	7.95	117	21347	6.780	ug/l #	16
76) 1,2,3-Trichloropropane	12.62	75	73963	57.835	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	73963	133.290	ug/l #	6
86) p-Isopropyltoluene	13.50	119	172788	21.116	ug/l	95
95) Naphthalene	15.36	128	689	2.204	ug/l #	87

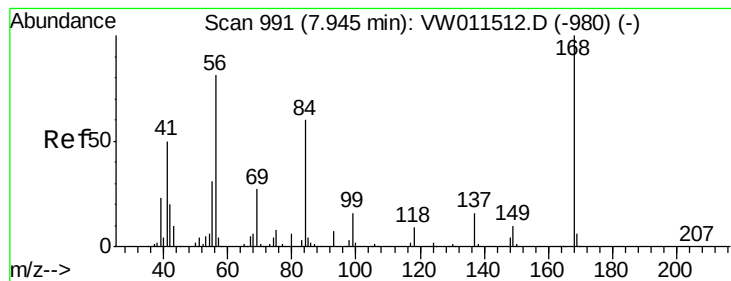
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW080619\
Data File : VW011726.D
Acq On : 05 Aug 2019 22:32
Operator : SY/VA
Sample : K4154-10
Misc : 4.39G/5ML/MSVOA_W/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
PS-10

Quant Time: Aug 06 08:07:36 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
Quant Title : SW846 8260
QLast Update : Sat Jul 27 00:23:30 2019
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: VW011726.D

Acq: 05 Aug 2019 22:32

Instrument :

MSVOA_W

ClientSampled :

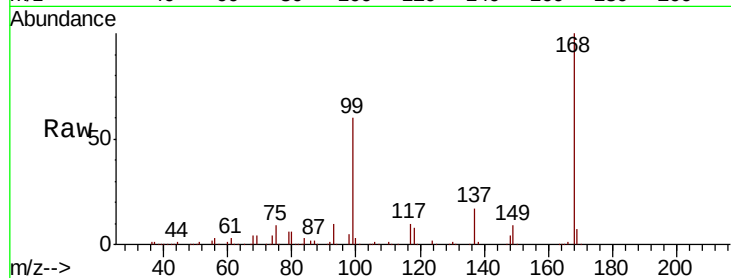
PS-10

Tgt Ion:168 Resp: 211833

Ion Ratio Lower Upper

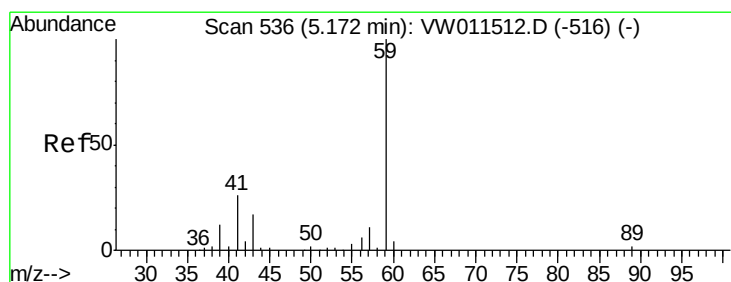
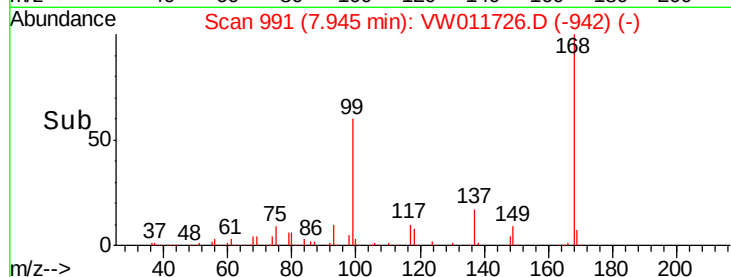
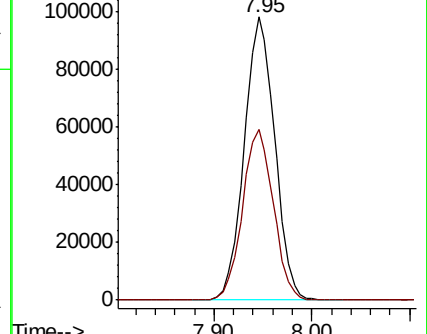
168 100

99 60.3 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: 10.672 ug/l

RT: 5.12 min Scan# 528

Delta R.T. -0.05 min

Lab File: VW011726.D

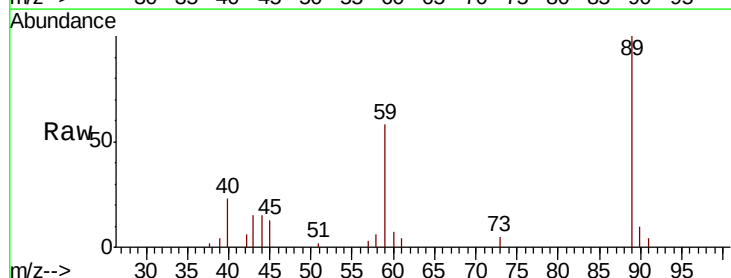
Acq: 05 Aug 2019 22:32

Tgt Ion: 59 Resp: 4980

Ion Ratio Lower Upper

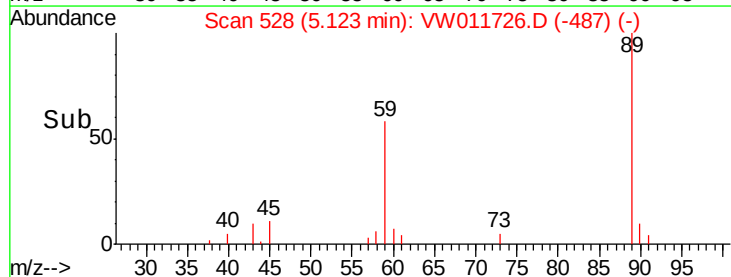
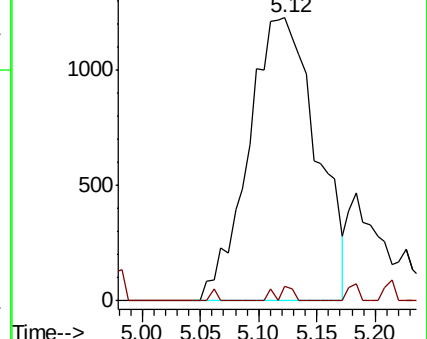
59 100

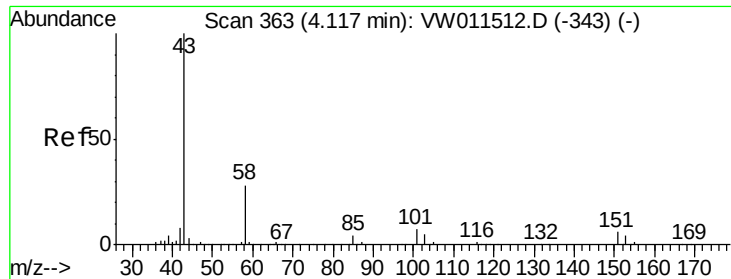
57 1.2 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 41.849 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW011726.D

Acq: 05 Aug 2019 22:32

Instrument :

MSVOA_W

ClientSampleId :

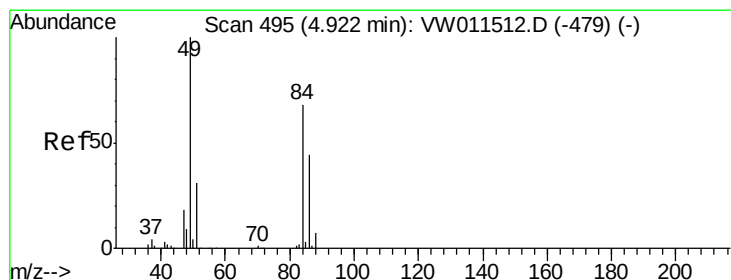
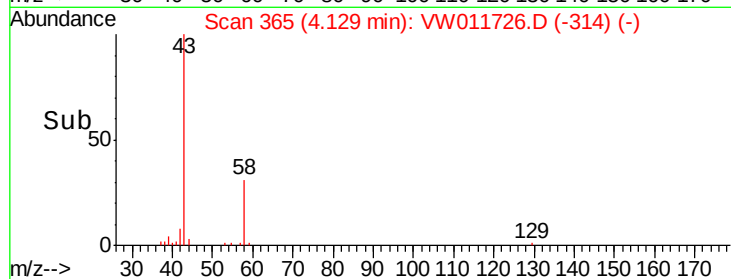
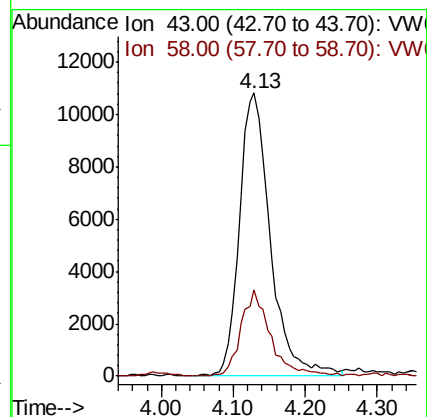
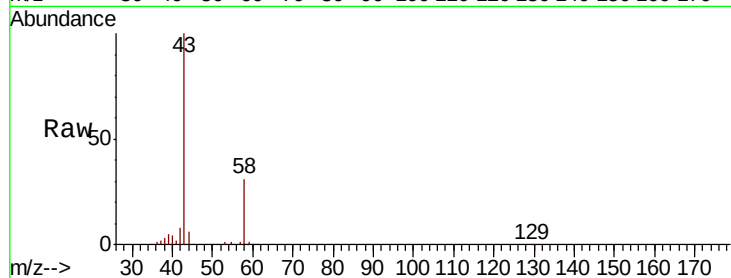
PS-10

Tgt Ion: 43 Resp: 32381

Ion Ratio Lower Upper

43 100

58 30.5 22.3 33.5



#20

Methylene Chloride

Concen: 2.619 ug/l

RT: 4.92 min Scan# 494

Delta R.T. -0.01 min

Lab File: VW011726.D

Acq: 05 Aug 2019 22:32

Tgt Ion: 84 Resp: 6988

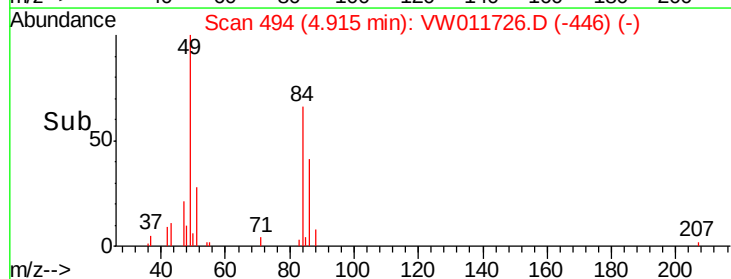
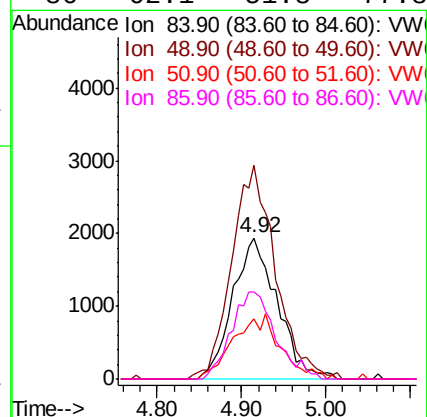
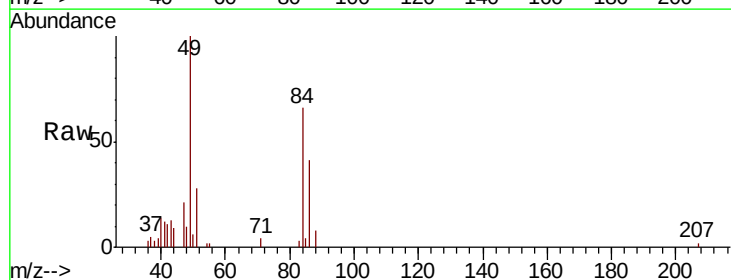
Ion Ratio Lower Upper

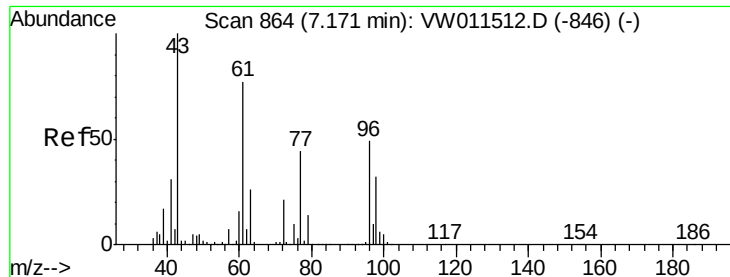
84 100

49 151.5 117.8 176.6

51 42.7 37.0 55.4

86 62.1 51.8 77.8





#25

2-Butanone

Concen: 16.741 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW011726.D

Acq: 05 Aug 2019 22:32

Instrument :

MSVOA_W

ClientSampleId :

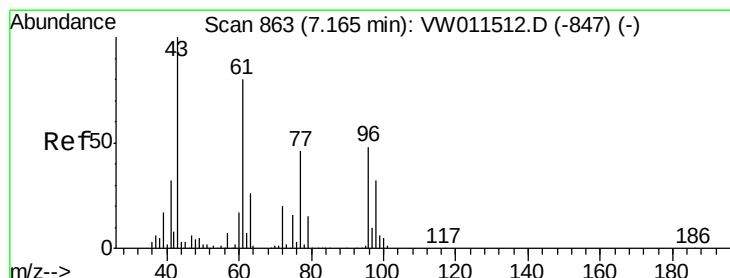
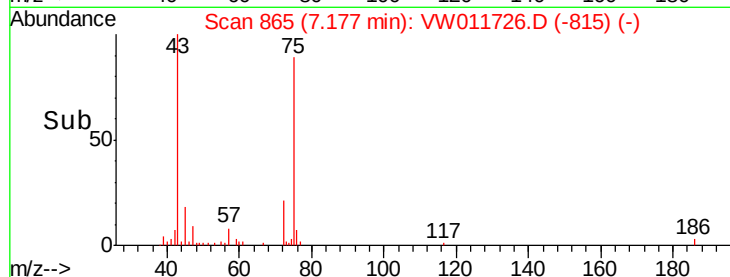
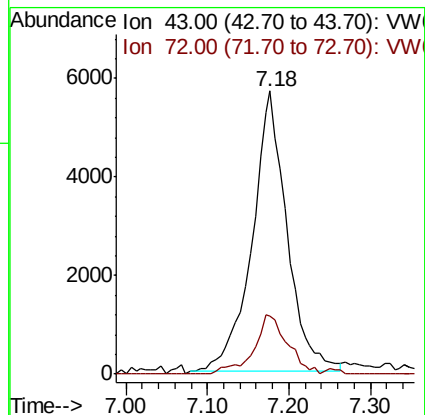
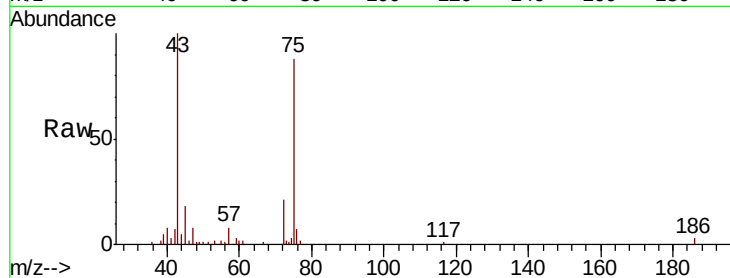
PS-10

Tgt Ion: 43 Resp: 16950

Ion Ratio Lower Upper

43 100

72 20.8 16.6 24.8



#26

2,2-Dichloropropane

Concen: 1.109 ug/l

RT: 7.13 min Scan# 858

Delta R.T. -0.03 min

Lab File: VW011726.D

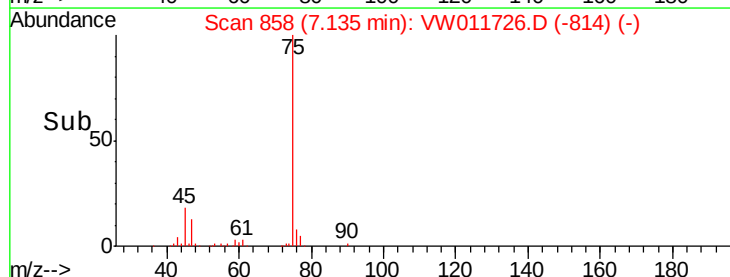
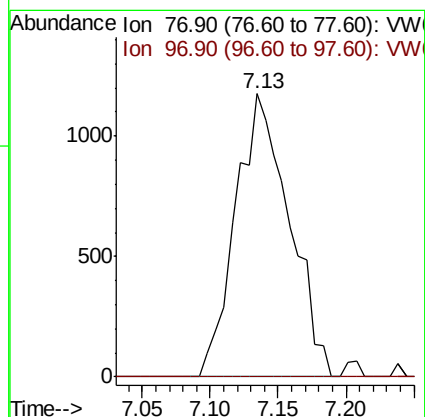
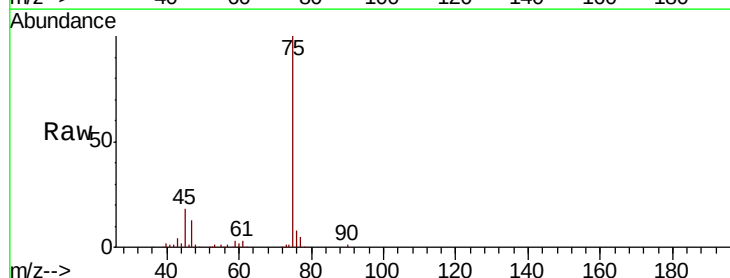
Acq: 05 Aug 2019 22:32

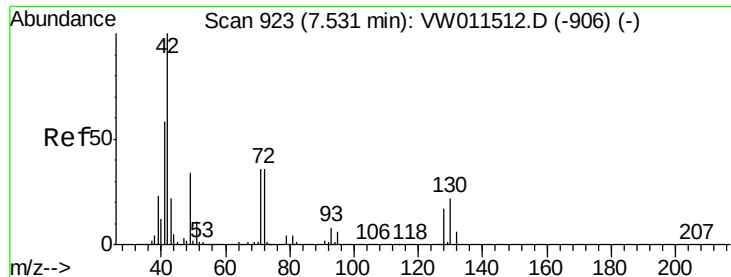
Tgt Ion: 77 Resp: 3232

Ion Ratio Lower Upper

77 100

97 0.0 10.8 32.4#





#29

Tetrahydrofuran

Concen: 2.034 ug/l

RT: 7.54 min Scan# 925

Delta R.T. 0.01 min

Lab File: VW011726.D

Acq: 05 Aug 2019 22:32

Instrument :

MSVOA_W

ClientSampleId :

PS-10

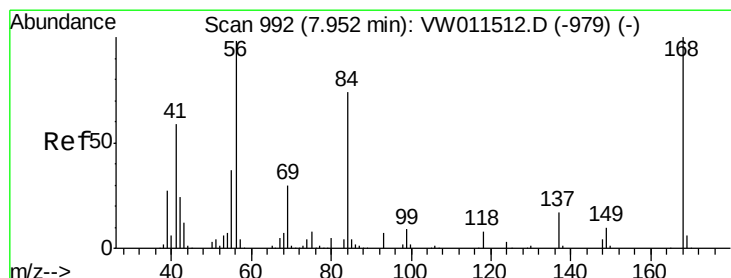
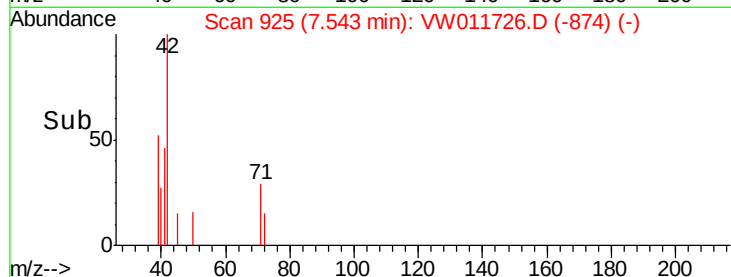
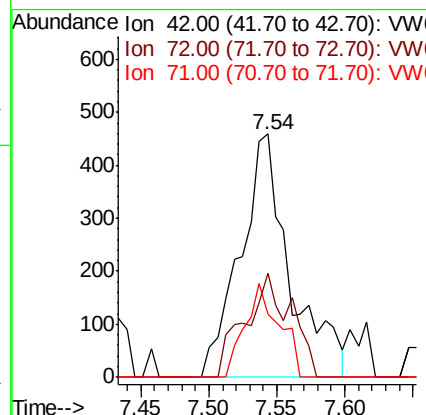
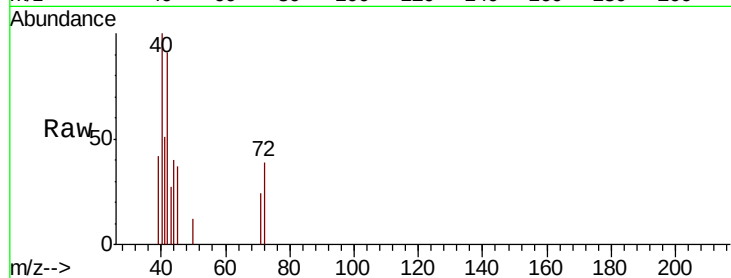
Tgt Ion: 42 Resp: 1177

Ion Ratio Lower Upper

42 100

72 39.3 27.1 40.7

71 26.5 26.2 39.4



#31

Cyclohexane

Concen: 1.321 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW011726.D

Acq: 05 Aug 2019 22:32

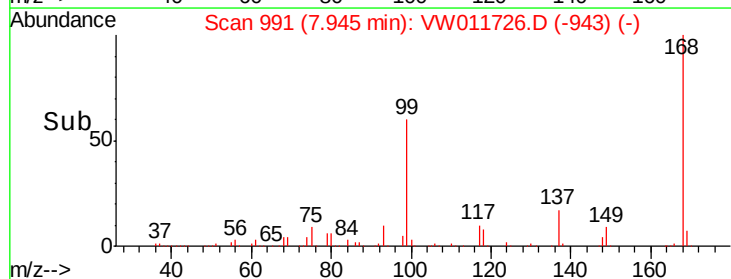
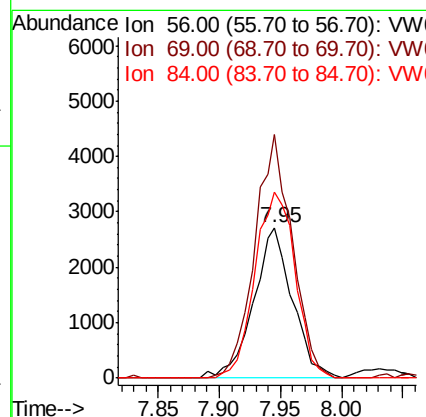
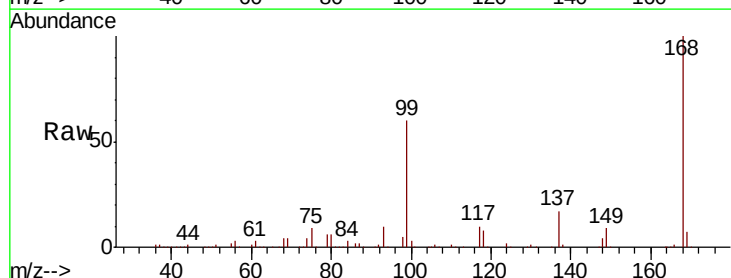
Tgt Ion: 56 Resp: 6008

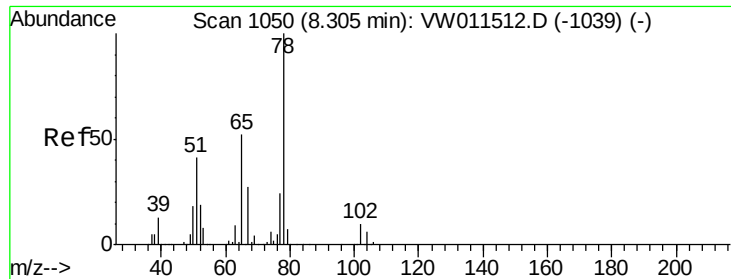
Ion Ratio Lower Upper

56 100

69 161.7 24.3 36.5#

84 123.7 60.4 90.6#

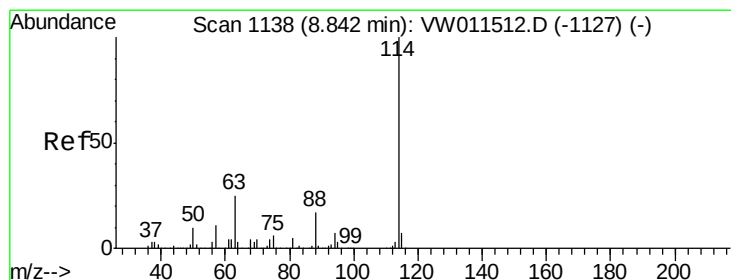
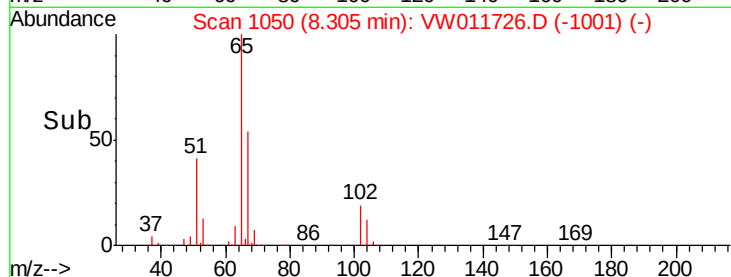
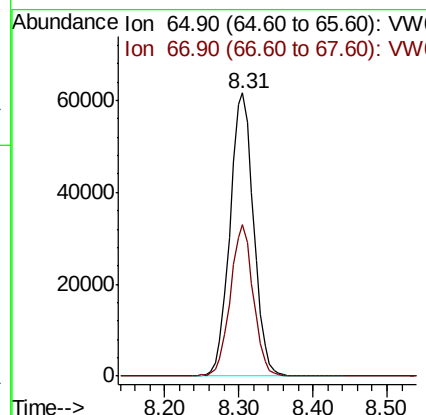
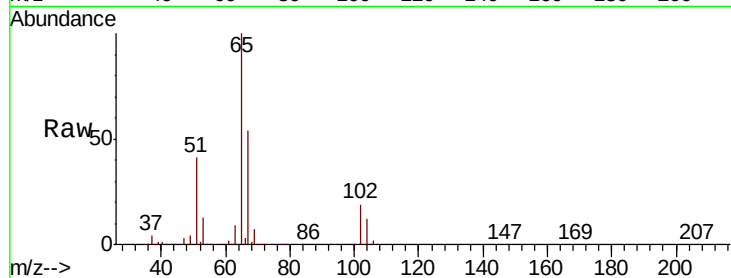




#33
 1,2-Dichloroethane-d4
 Concen: 56.244 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW011726.D
 Acq: 05 Aug 2019 22:32

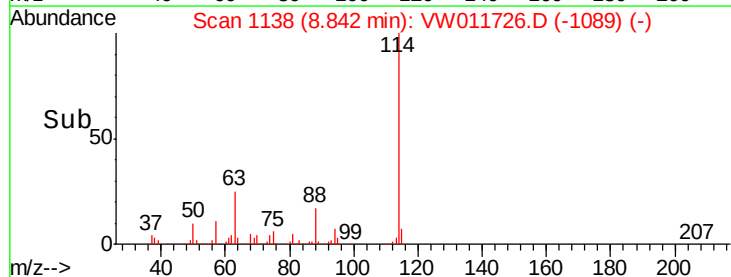
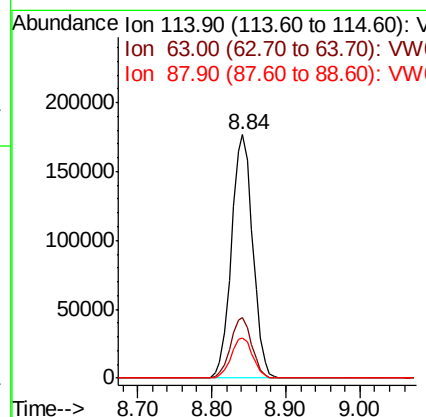
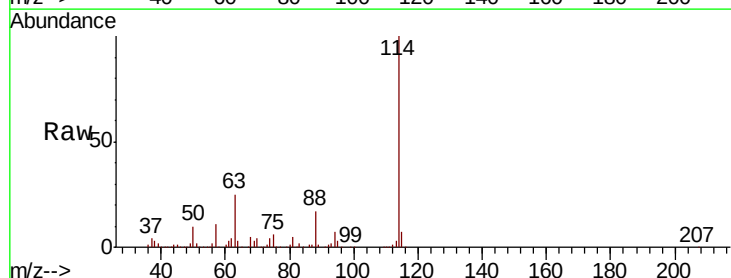
Instrument :
 MSVOA_W
 ClientSampleId :
 PS-10

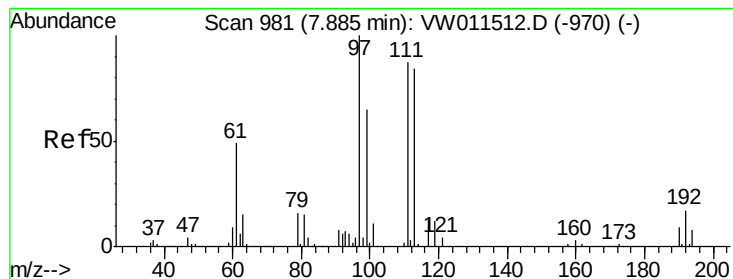
Tgt Ion: 65 Resp: 136809
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW011726.D
 Acq: 05 Aug 2019 22:32

Tgt Ion: 114 Resp: 353712
 Ion Ratio Lower Upper
 114 100
 63 24.9 0.0 49.2
 88 16.7 0.0 33.8





#35

Dibromofluoromethane

Concen: 55.893 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW011726.D

Acq: 05 Aug 2019 22:32

Instrument :

MSVOA_W

ClientSampleId :

PS-10

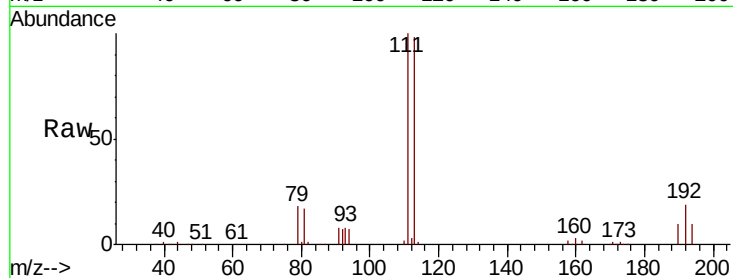
Tgt Ion:113 Resp: 110914

Ion Ratio Lower Upper

113 100

111 102.4 82.7 124.1

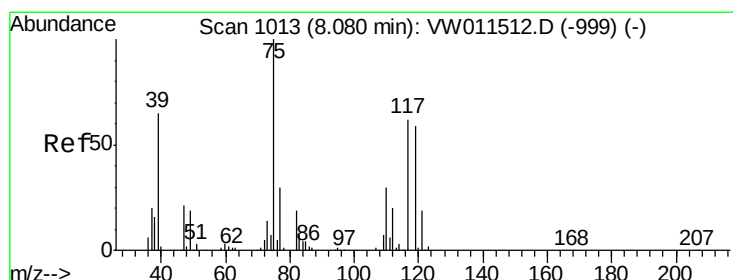
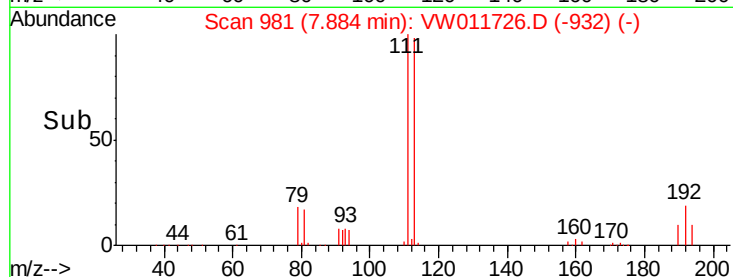
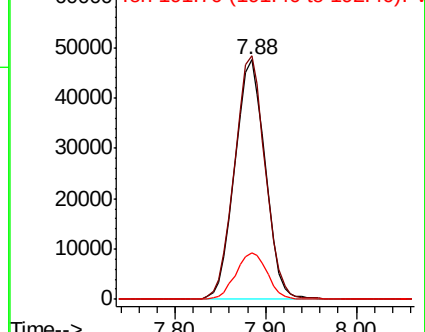
192 19.9 16.1 24.1



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: 5.167 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW011726.D

Acq: 05 Aug 2019 22:32

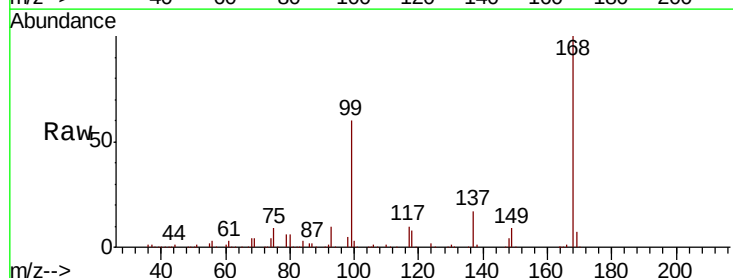
Tgt Ion: 75 Resp: 19003

Ion Ratio Lower Upper

75 100

110 8.8 15.6 46.8#

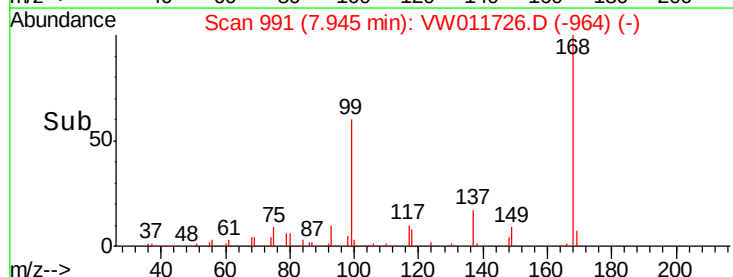
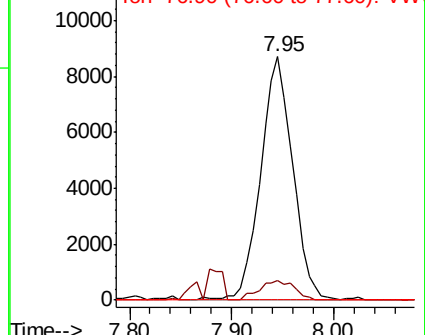
77 0.0 24.3 36.5#

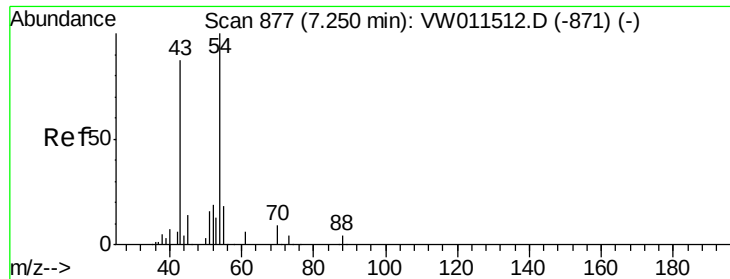


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

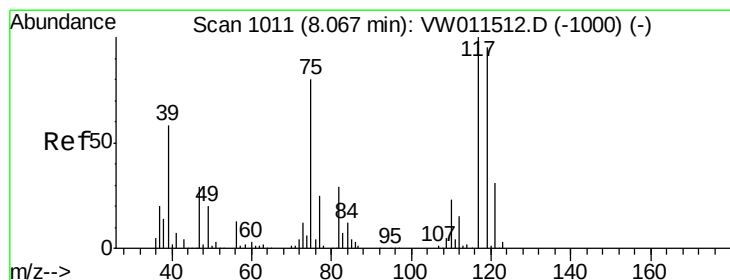
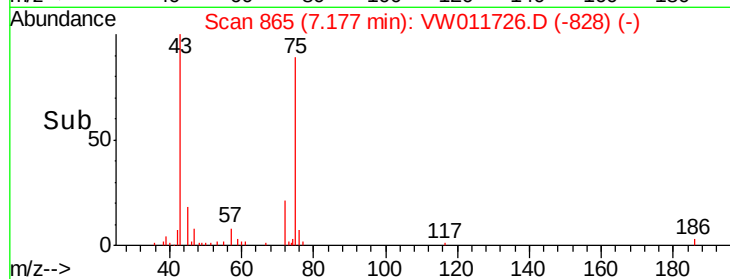
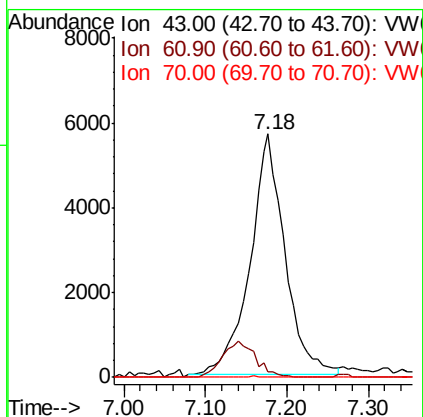
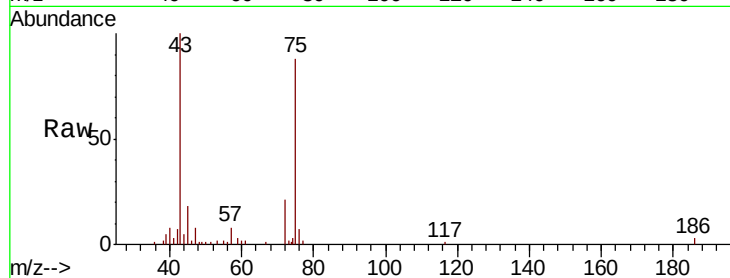




#37
Ethyl Acetate
Concen: 8.010 ug/l
RT: 7.18 min Scan# 865
Delta R.T. -0.07 min
Lab File: VW011726.D
Acq: 05 Aug 2019 22:32

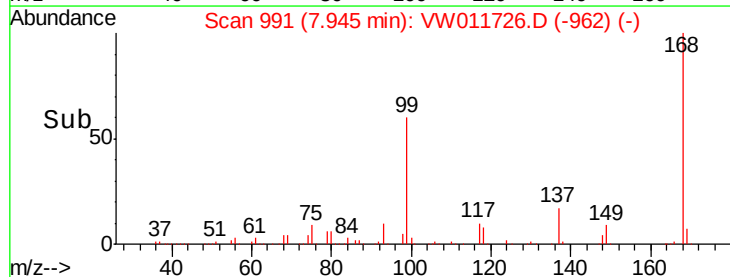
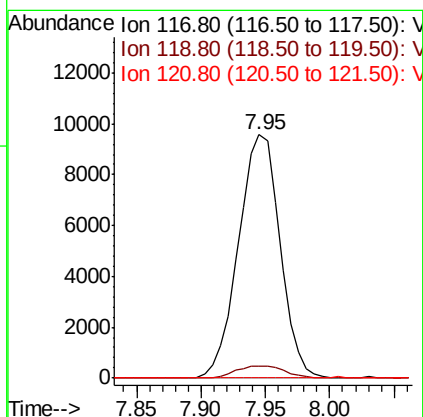
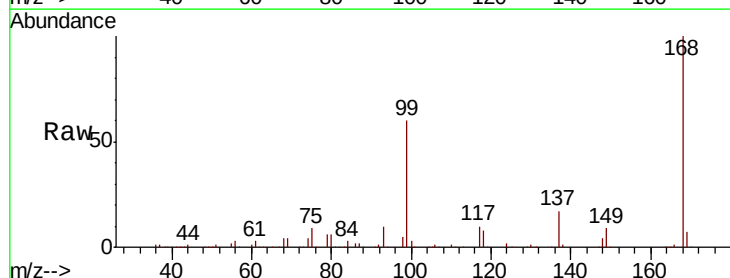
Instrument :
MSVOA_W
ClientSampleId :
PS-10

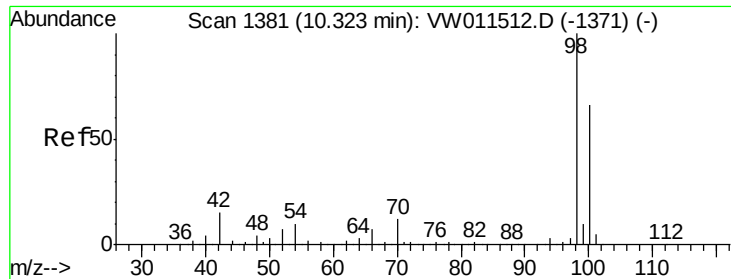
Tgt Ion: 43 Resp: 16950
Ion Ratio Lower Upper
43 100
61 0.0 8.8 13.2#
70 0.0 7.1 10.7#



#38
Carbon Tetrachloride
Concen: 6.780 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW011726.D
Acq: 05 Aug 2019 22:32

Tgt Ion: 117 Resp: 21347
Ion Ratio Lower Upper
117 100
119 4.8 75.8 113.6#
121 0.0 24.7 37.1#

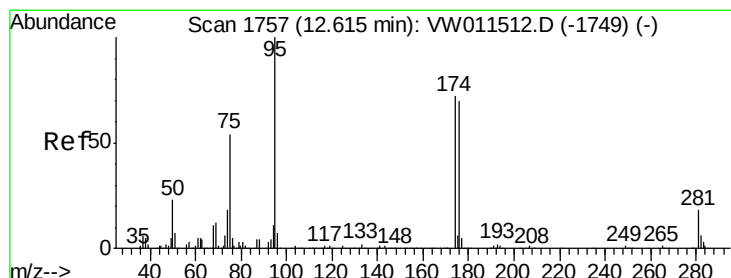
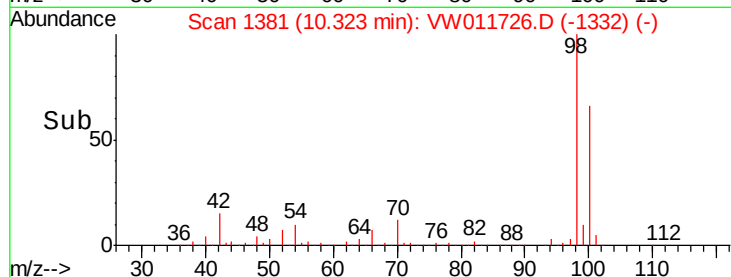
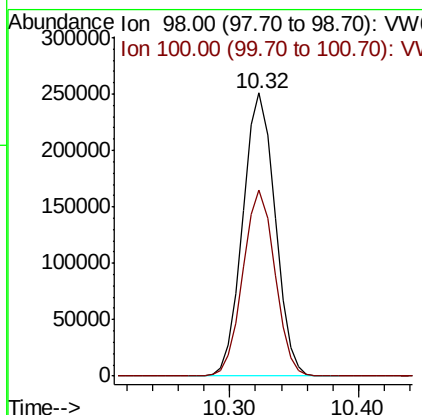
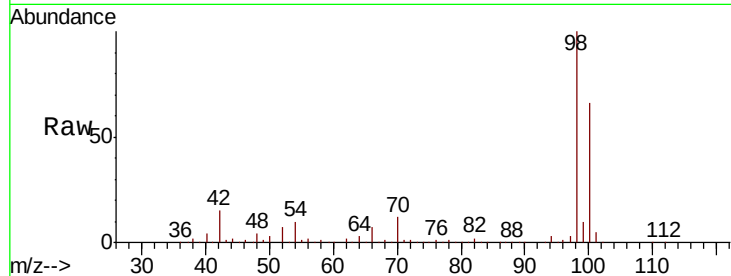




#50
Toluene-d8
Concen: 53.502 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW011726.D
Acq: 05 Aug 2019 22:32

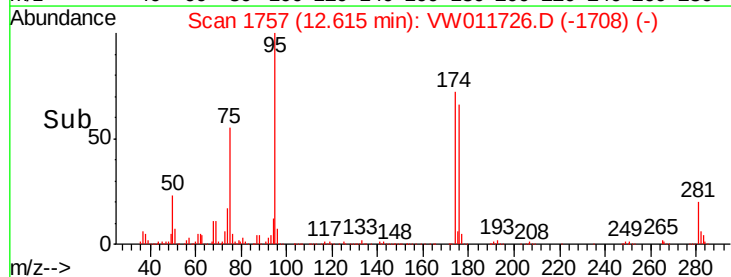
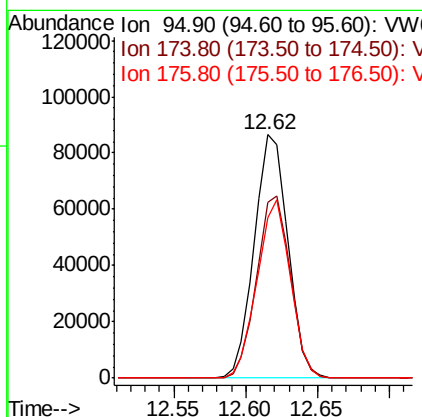
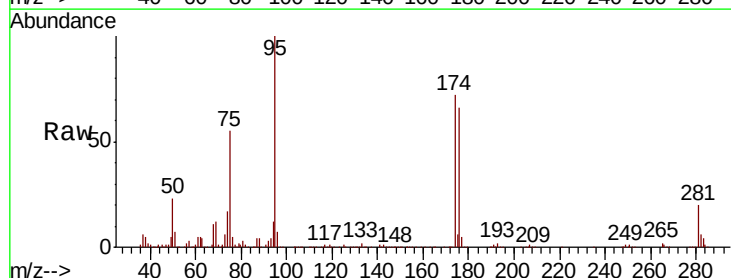
Instrument :
MSVOA_W
ClientSampled :
PS-10

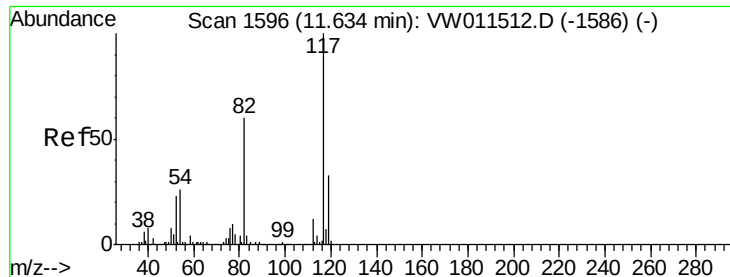
Tgt Ion: 98 Resp: 434687
Ion Ratio Lower Upper
98 100
100 65.1 52.7 79.1



#62
4-Bromofluorobenzene
Concen: 48.238 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW011726.D
Acq: 05 Aug 2019 22:32

Tgt Ion: 95 Resp: 139726
Ion Ratio Lower Upper
95 100
174 75.6 0.0 150.2
176 72.5 0.0 144.4

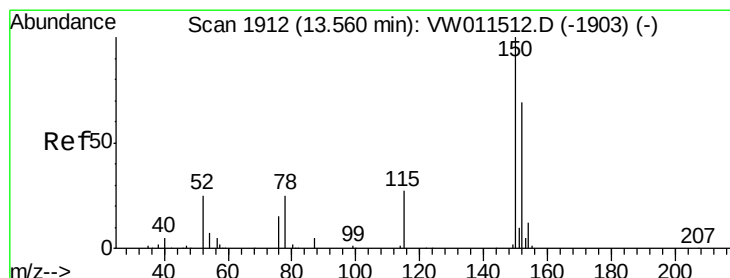
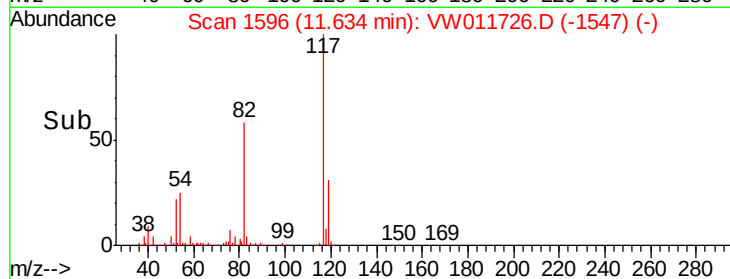
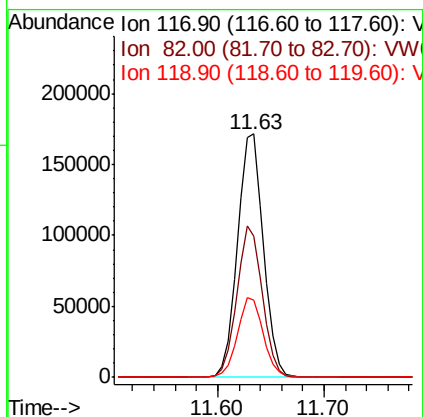
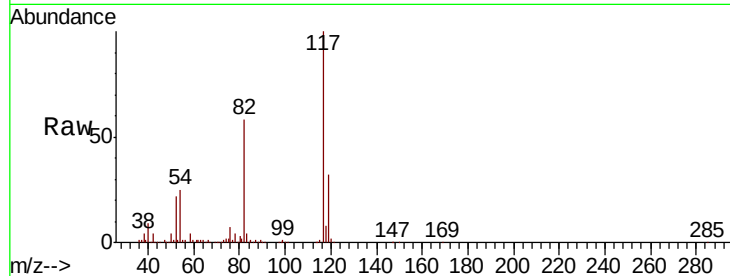




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW011726.D
Acq: 05 Aug 2019 22:32

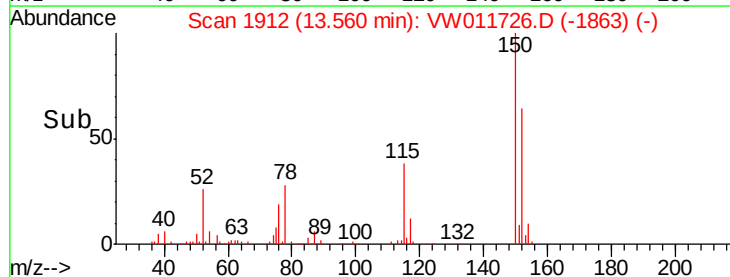
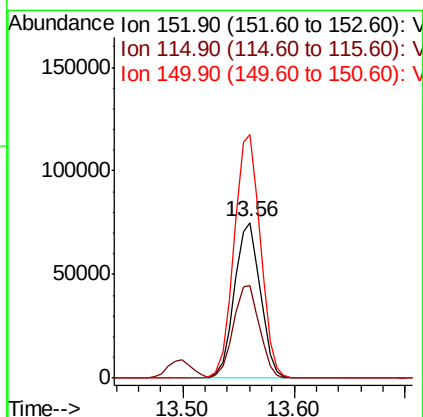
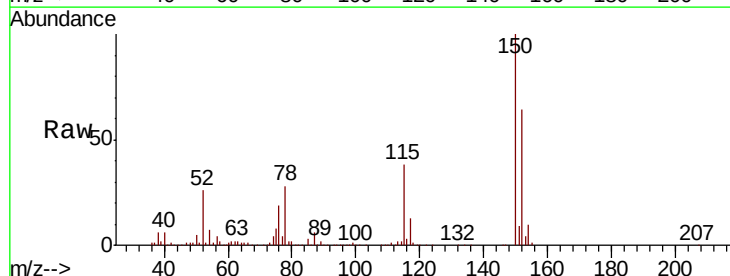
Instrument :
MSVOA_W
ClientSampleId :
PS-10

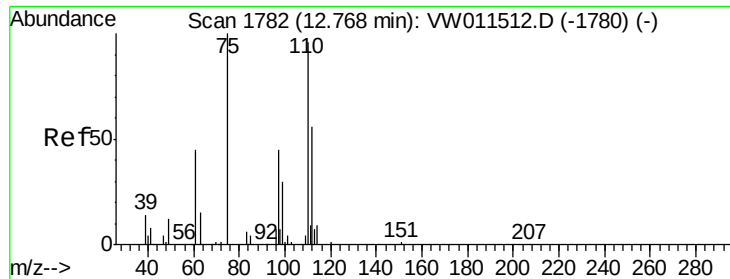
Tgt Ion	Ratio	Lower	Upper
117	100		
82	58.0	47.9	71.9
119	31.3	26.2	39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW011726.D
Acq: 05 Aug 2019 22:32

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.1	30.5	91.5
150	158.2	0.0	352.6





#76

1,2,3-Trichloropropane

Concen: 57.835 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW011726.D

Acq: 05 Aug 2019 22:32

Instrument :

MSVOA_W

ClientSampled :

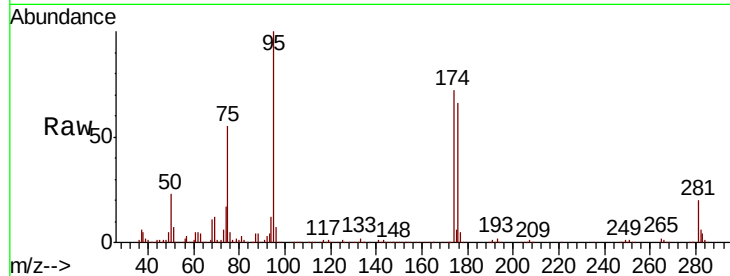
PS-10

Tgt Ion: 75 Resp: 73963

Ion Ratio Lower Upper

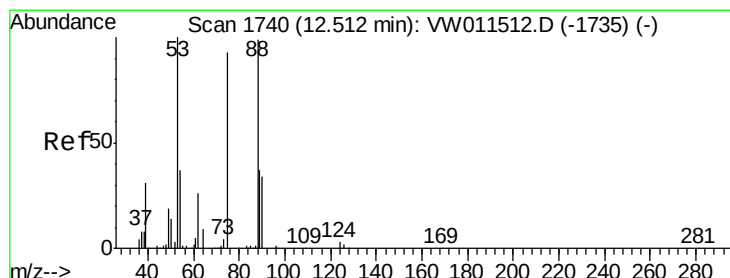
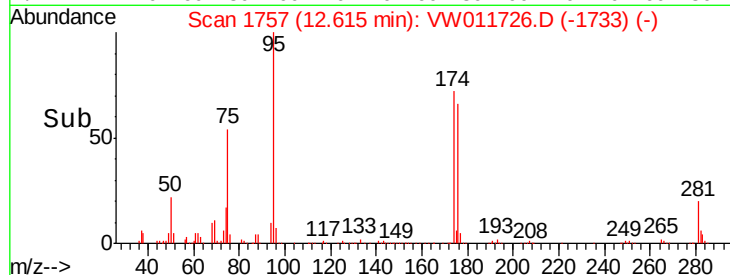
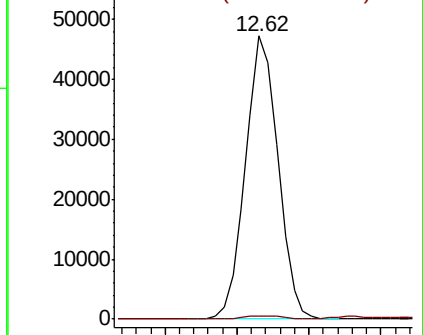
75 100

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: 133.290 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW011726.D

Acq: 05 Aug 2019 22:32

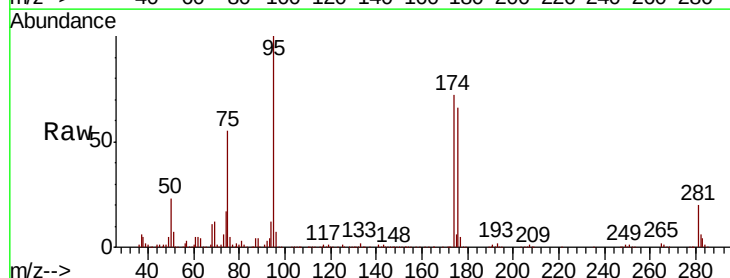
Tgt Ion: 75 Resp: 73963

Ion Ratio Lower Upper

75 100

53 0.2 88.0 132.0#

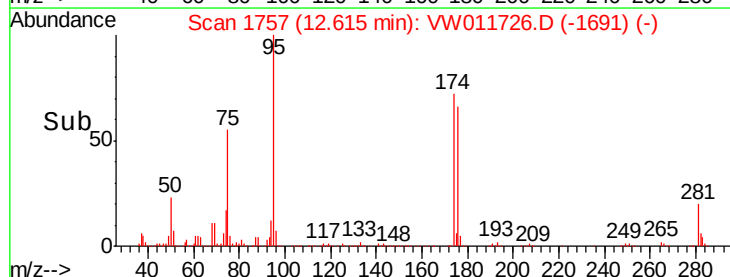
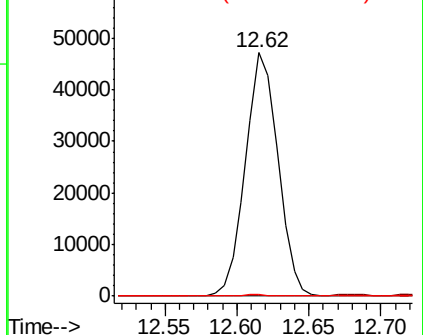
89 0.4 35.3 52.9#

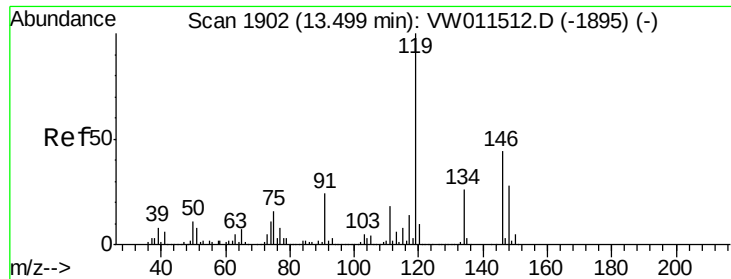


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

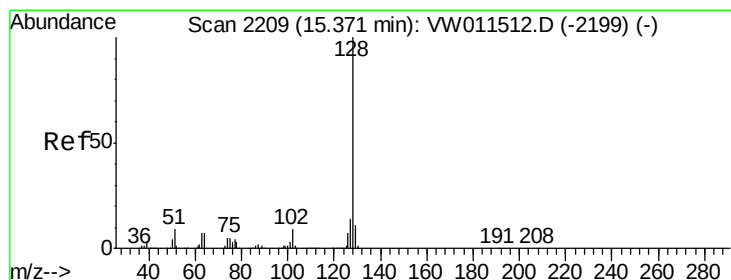
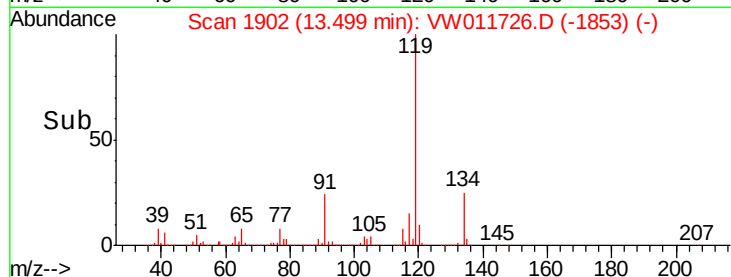
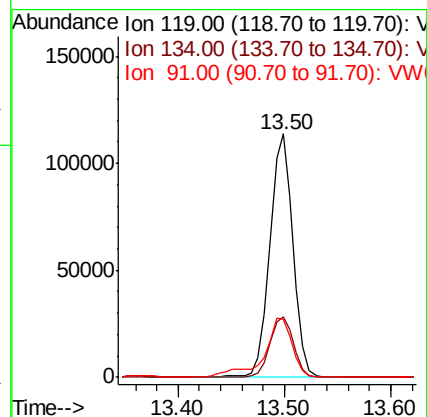
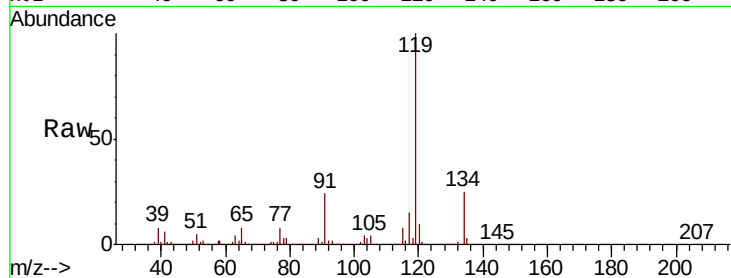




#86
 p-Isopropyltoluene
 Concen: 21.116 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW011726.D
 Acq: 05 Aug 2019 22:32

Instrument :
 MSVOA_W
 ClientSampleId :
 PS-10

Tgt Ion:119 Resp: 172788
 Ion Ratio Lower Upper
 119 100
 134 25.5 12.8 38.4
 91 29.7 12.1 36.3



#95
 Naphthalene
 Concen: 2.204 ug/l
 RT: 15.36 min Scan# 2208
 Delta R.T. -0.01 min
 Lab File: VW011726.D
 Acq: 05 Aug 2019 22:32

Tgt Ion:128 Resp: 689
 Ion Ratio Lower Upper
 128 100
 127 12.9 10.6 16.0
 129 0.0 8.6 13.0#

