

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072419\
 Data File : VW011457.D
 Acq On : 24 Jul 2019 03:05
 Operator : SY/VA
 Sample : K3943-01
 Misc : 5.23G/5ML/MSVOA W/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 PA-71619

Quant Time: Jul 24 06:42:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070819S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 11 08:14:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	249357	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	426551	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	319816	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	100899	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	163041	52.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.08%	
35) Dibromofluoromethane	7.88	113	129989	51.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.26%	
50) Toluene-d8	10.32	98	501142	48.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.52%	
62) 4-Bromofluorobenzene	12.62	95	140379	37.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	74.54%	

Target Compounds

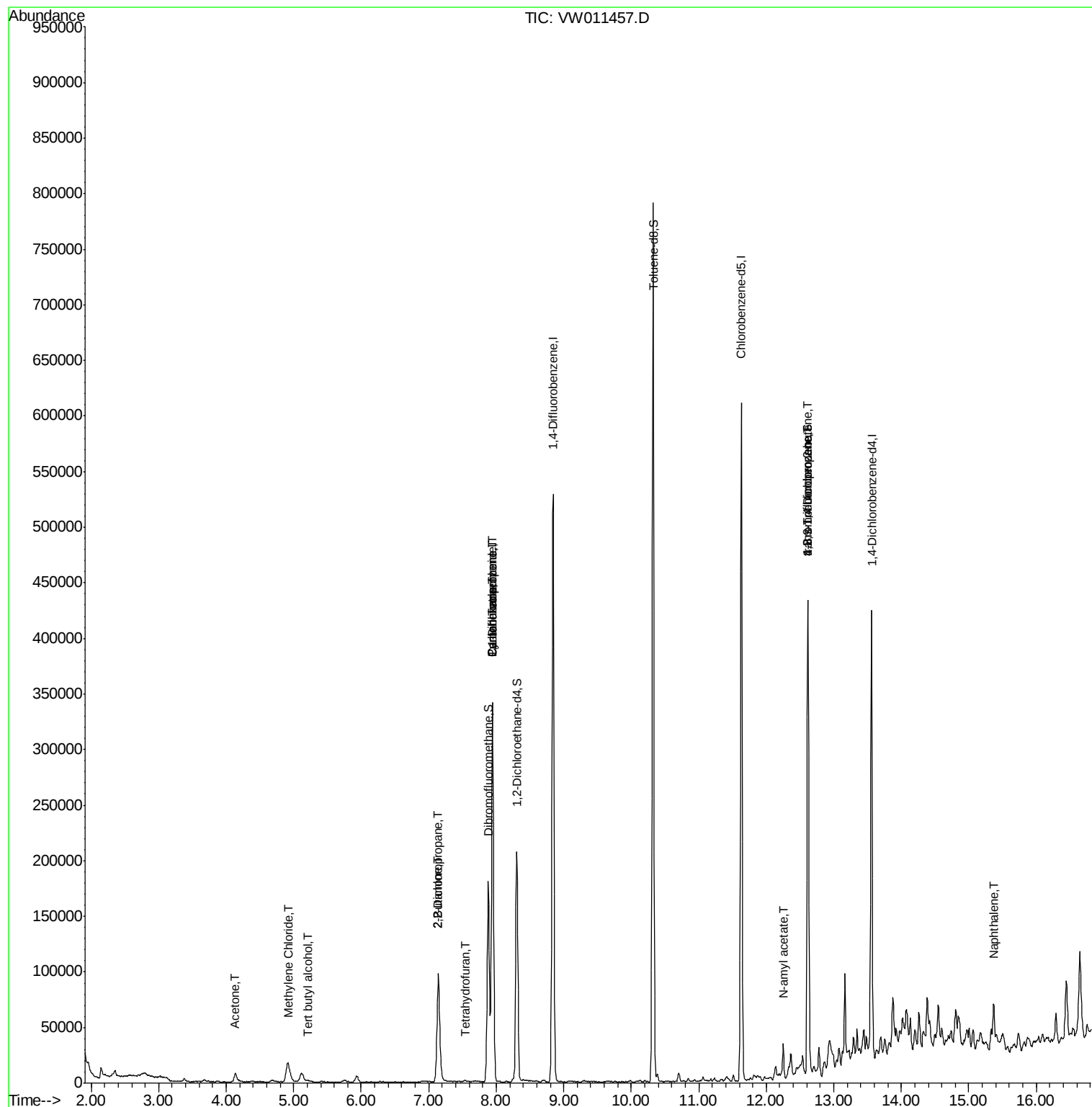
						Qvalue
11) Tert butyl alcohol	5.21	59	2935	12.652	ug/l #	91
16) Acetone	4.14	43	15500	20.560	ug/l	93
20) Methylene Chloride	4.92	84	13772	4.631	ug/l	93
25) 2-Butanone	7.15	43	5090	4.301	ug/l #	80
26) 2,2-Dichloropropane	7.14	77	6457	2.177	ug/l #	53
29) Tetrahydrofuran	7.54	42	1139	1.468	ug/l	94
31) Cyclohexane	7.95	56	6128	1.010	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	21393	4.710	ug/l #	51
38) Carbon Tetrachloride	7.95	117	25393	6.594	ug/l #	15
74) N-amyl acetate	12.25	43	7945	3.024	ug/l #	63
76) 1,2,3-Trichloropropane	12.62	75	73214	62.790	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	73214	142.019	ug/l #	6
95) Naphthalene	15.36	128	37056	9.502	ug/l	95

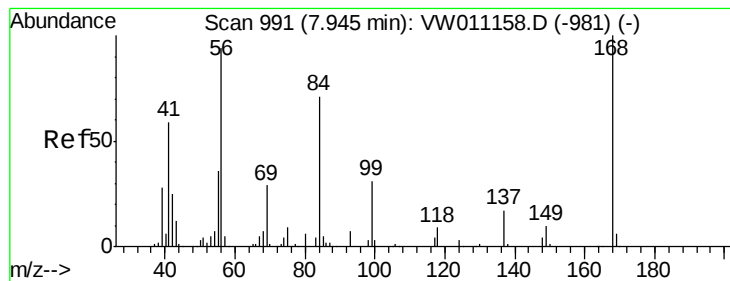
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW072419\
Data File : VW011457.D
Acq On : 24 Jul 2019 03:05
Operator : SY/VA
Sample : K3943-01
Misc : 5.23G/5ML/MSVOA W/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
PA-71619

Quant Time: Jul 24 06:42:49 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W070819S.M
Quant Title : SW846 8260
QLast Update : Thu Jul 11 08:14:17 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: VW011457.D

Acq: 24 Jul 2019 03:05

Instrument :

MSVOA_W

ClientSampleId :

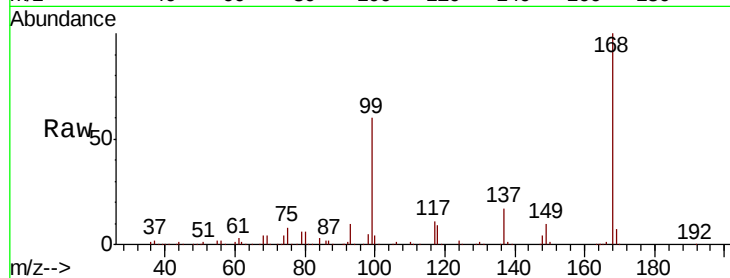
PA-71619

Tot Ion:168 Resp: 249357

Ion Ratio Lower Upper

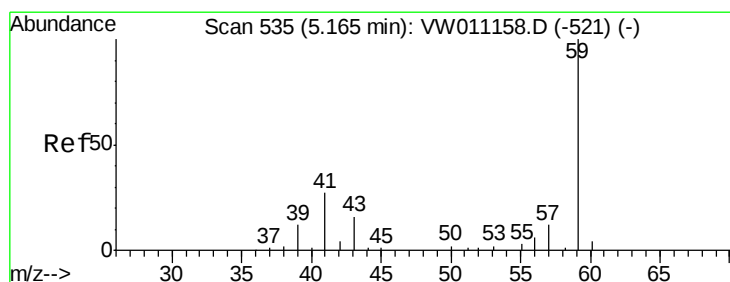
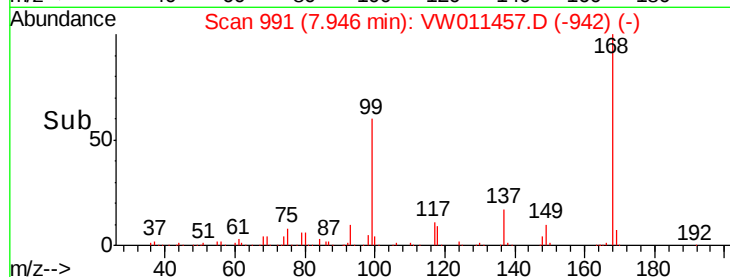
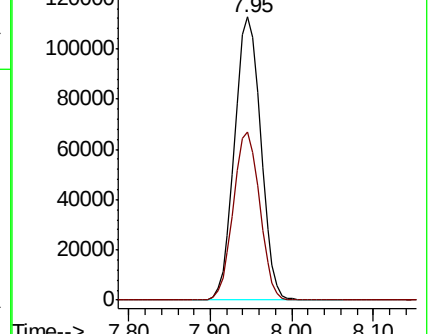
168 100

99 59.6 50.1 75.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 12.652 ug/l

RT: 5.21 min Scan# 542

Delta R.T. 0.04 min

Lab File: VW011457.D

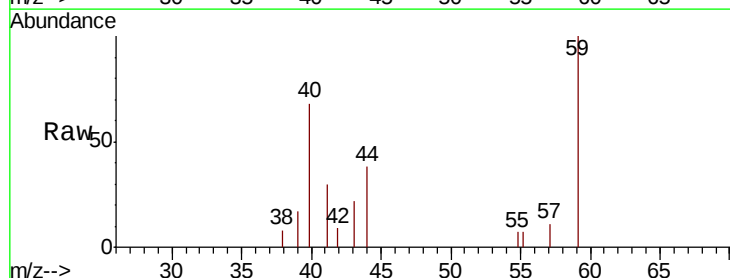
Acq: 24 Jul 2019 03:05

Tgt Ion: 59 Resp: 2935

Ion Ratio Lower Upper

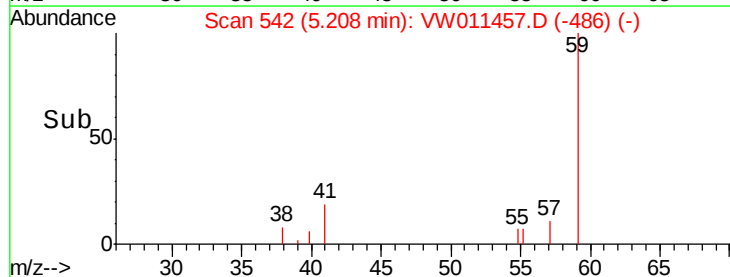
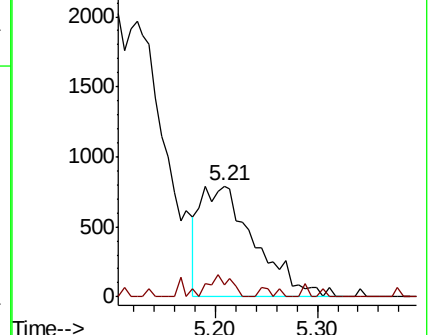
59 100

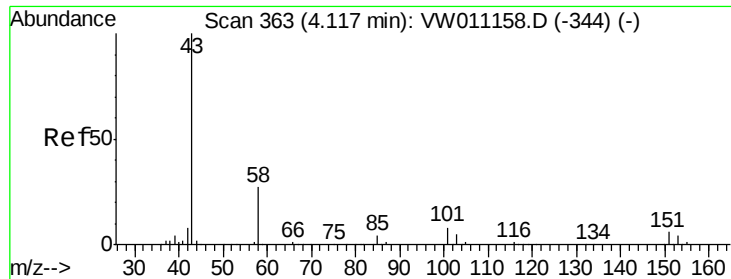
57 7.8 9.0 13.6#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 20.560 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.02 min

Lab File: VW011457.D

Acq: 24 Jul 2019 03:05

Instrument :

MSVOA_W

ClientSampled :

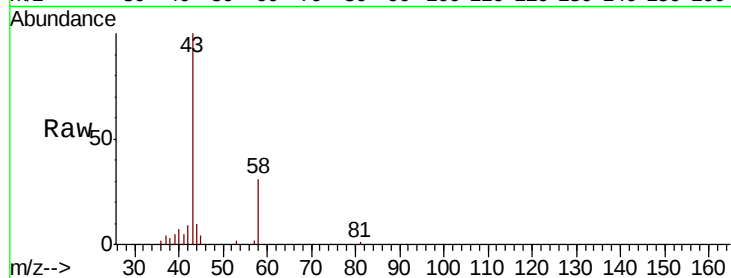
PA-71619

Tot Ion: 43 Resp: 15500

Ion Ratio Lower Upper

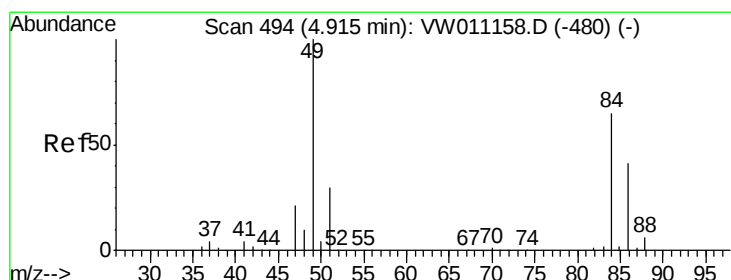
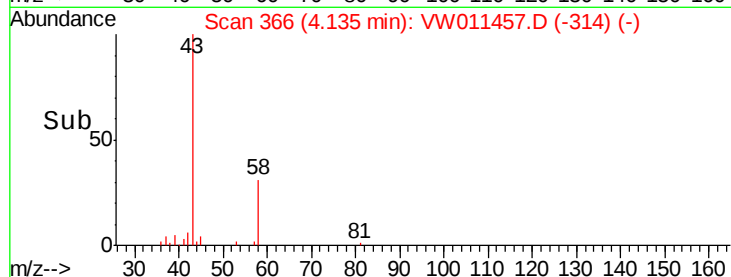
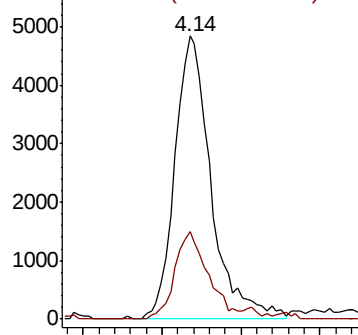
43 100

58 30.8 21.8 32.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#20

Methylene Chloride

Concen: 4.631 ug/l

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW011457.D

Acq: 24 Jul 2019 03:05

Tgt Ion: 84 Resp: 13772

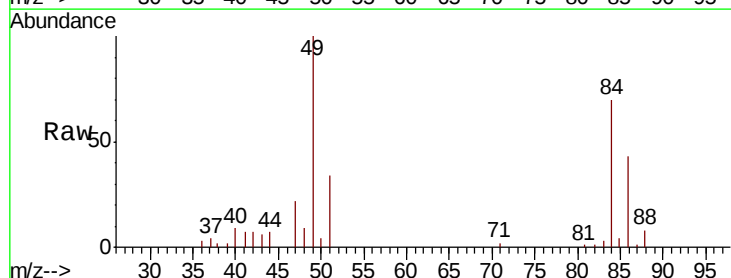
Ion Ratio Lower Upper

84 100

49 142.4 123.8 185.6

51 47.9 37.4 56.2

86 61.1 51.1 76.7

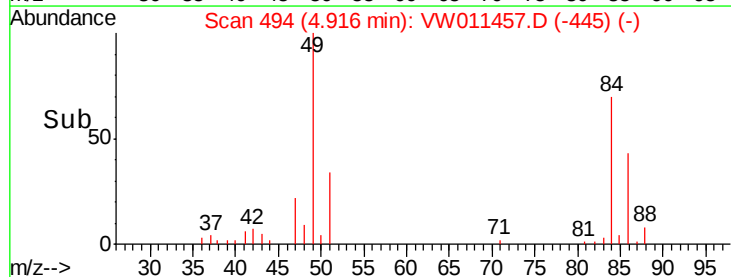
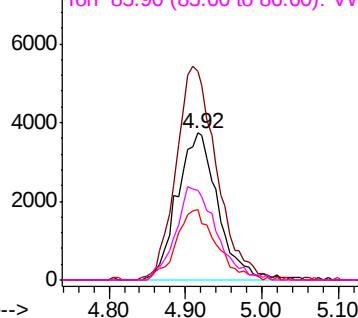


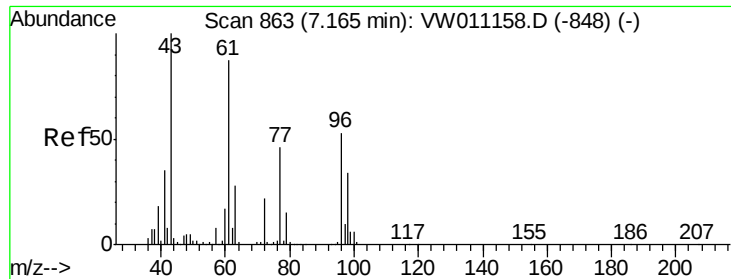
Abundance Ion 83.90 (83.60 to 84.60): VW

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

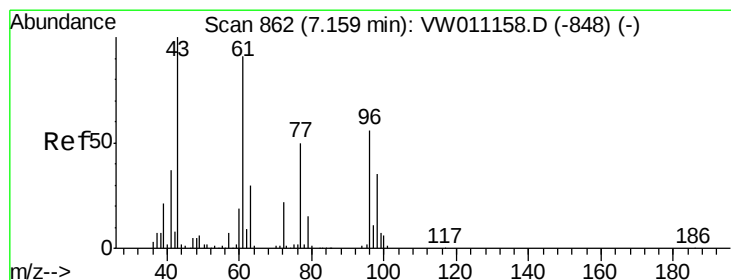
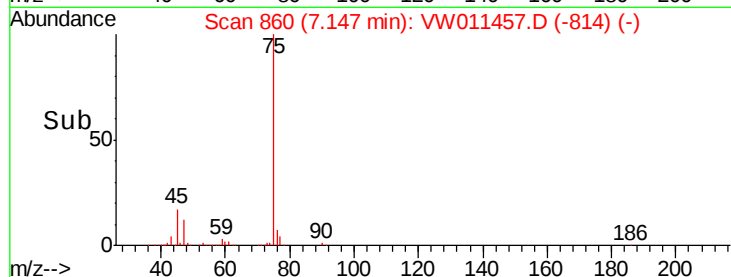
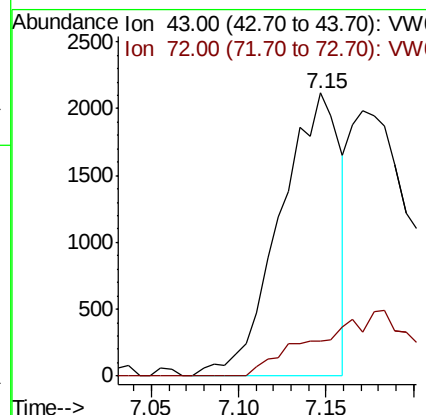
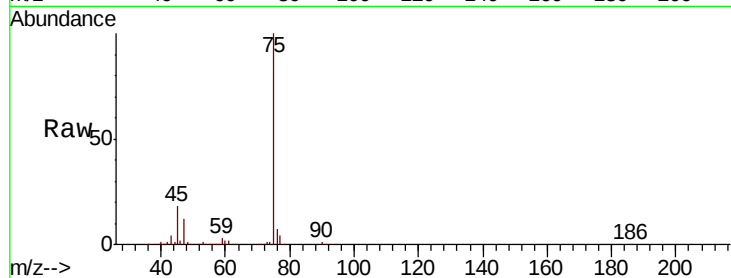




#25
2-Butanone
Concen: 4.301 ug/l
RT: 7.15 min Scan# 860
Delta R.T. -0.02 min
Lab File: VW011457.D
Acq: 24 Jul 2019 03:05

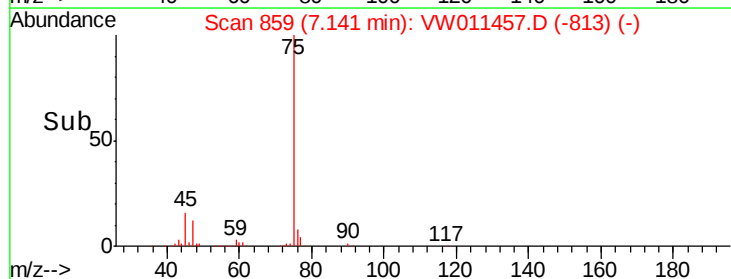
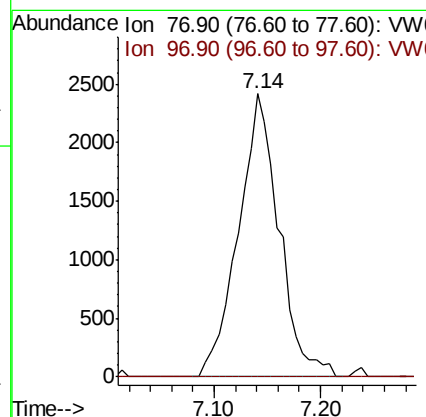
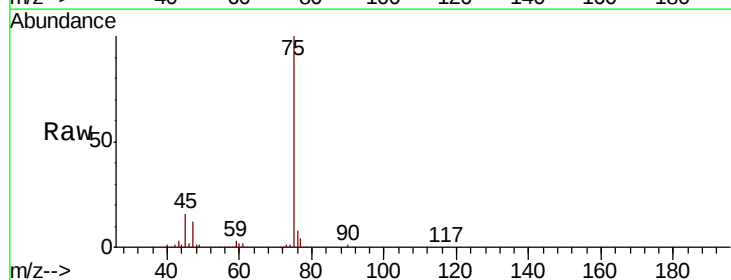
Instrument :
MSVOA_W
ClientSampled :
PA-71619

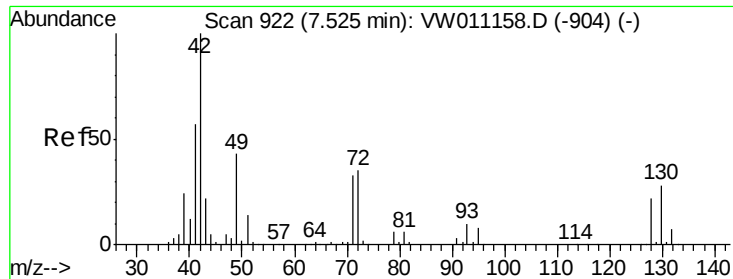
Tot Ion: 43 Resp: 5090
Ion Ratio Lower Upper
43 100
72 12.3 17.6 26.4#



#26
2,2-Dichloropropane
Concen: 2.177 ug/l
RT: 7.14 min Scan# 859
Delta R.T. -0.02 min
Lab File: VW011457.D
Acq: 24 Jul 2019 03:05

Tgt Ion: 77 Resp: 6457
Ion Ratio Lower Upper
77 100
97 0.0 11.2 33.5#

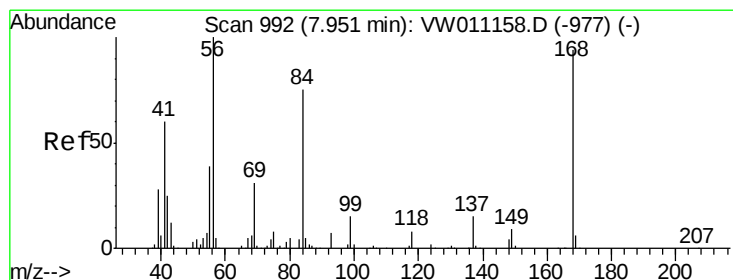
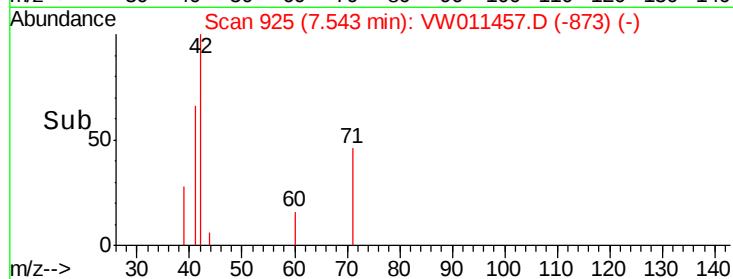
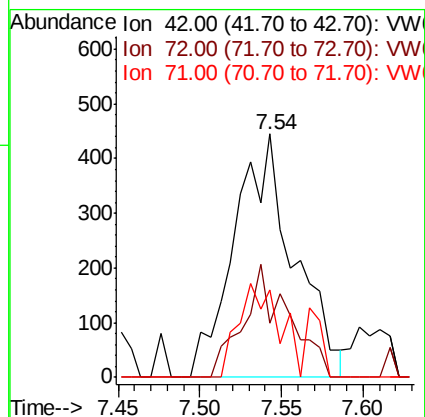
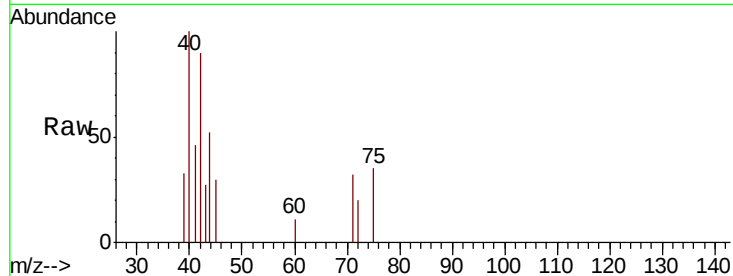




#29
Tetrahydrofuran
Concen: 1.468 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.02 min
Lab File: VW011457.D
Acq: 24 Jul 2019 03:05

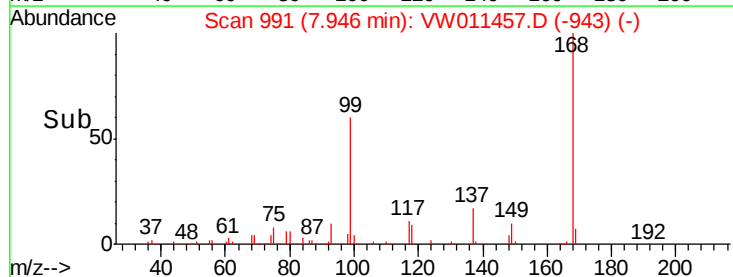
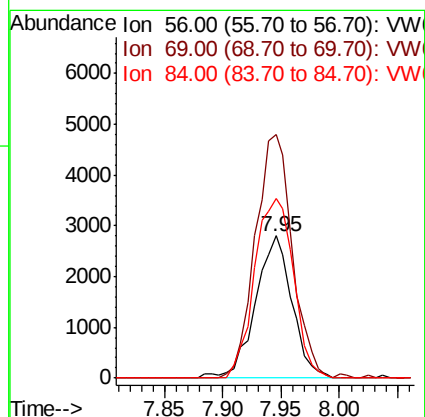
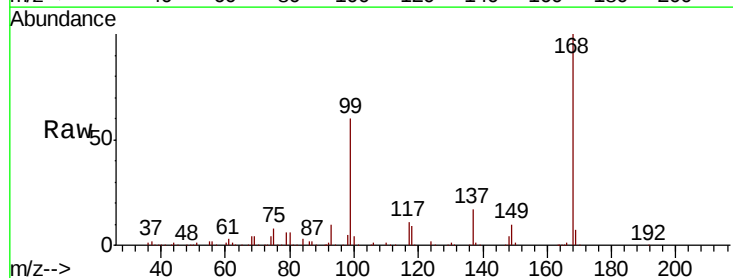
Instrument :
MSVOA_W
ClientSampleId :
PA-71619

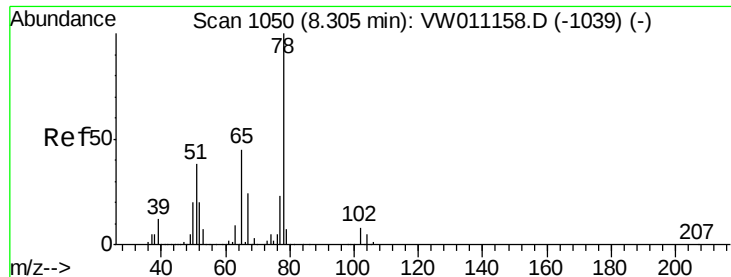
Tot Ion	Ratio	Lower	Upper
42	100		
72	35.2	27.4	41.2
71	26.3	25.9	38.9



#31
Cyclohexane
Concen: 1.010 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW011457.D
Acq: 24 Jul 2019 03:05

Tgt Ion	Ratio	Lower	Upper
56	100		
69	171.0	24.6	36.8#
84	126.5	60.1	90.1#

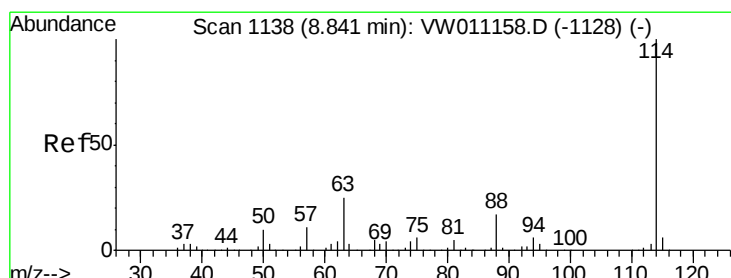
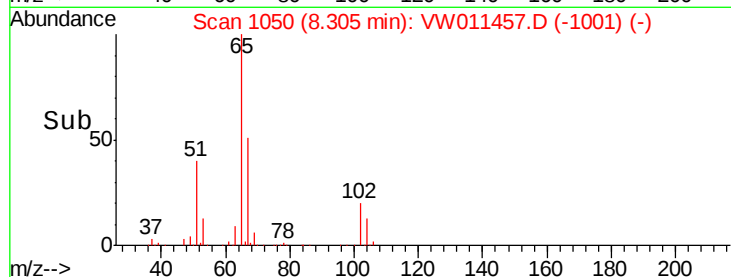
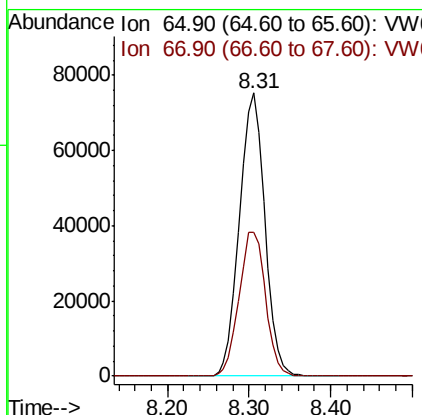
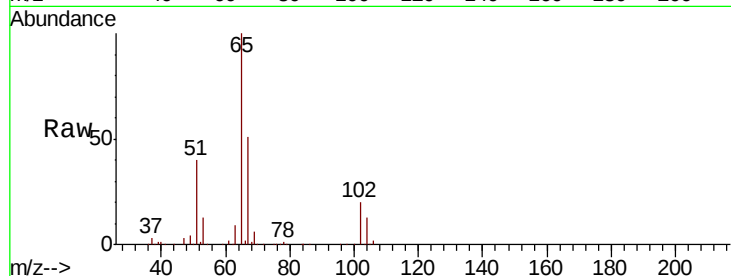




#33
 1,2-Dichloroethane-d4
 Concen: 52.036 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW011457.D
 Acq: 24 Jul 2019 03:05

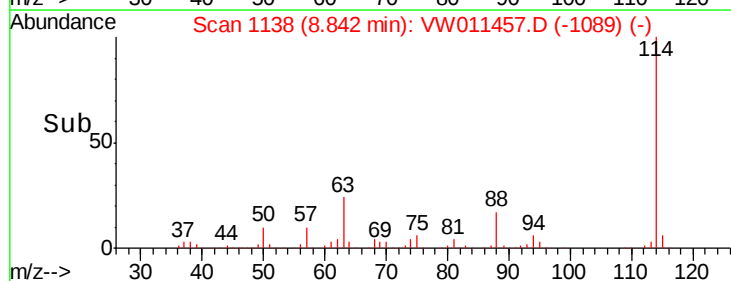
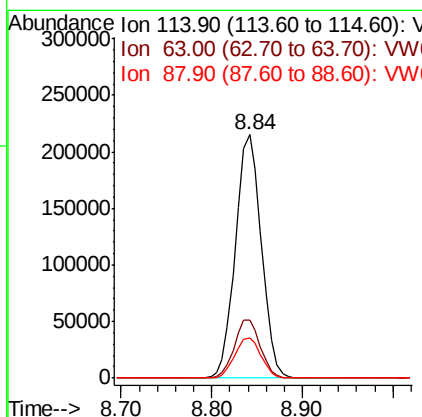
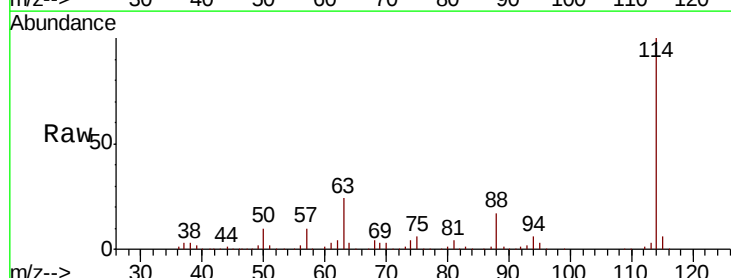
Instrument :
 MSVOA_W
 ClientSampleId :
 PA-71619

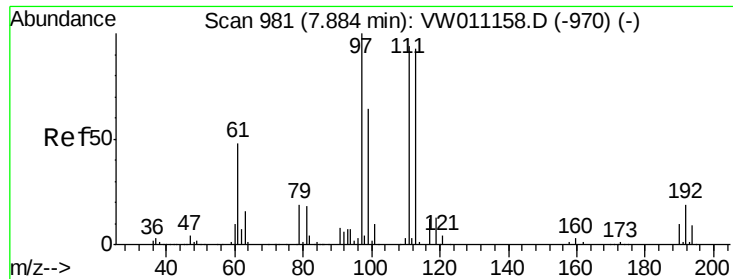
Tot Ion: 65 Resp: 163041
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW011457.D
 Acq: 24 Jul 2019 03:05

Tgt Ion: 114 Resp: 426551
 Ion Ratio Lower Upper
 114 100
 63 24.1 0.0 50.8
 88 16.5 0.0 34.2

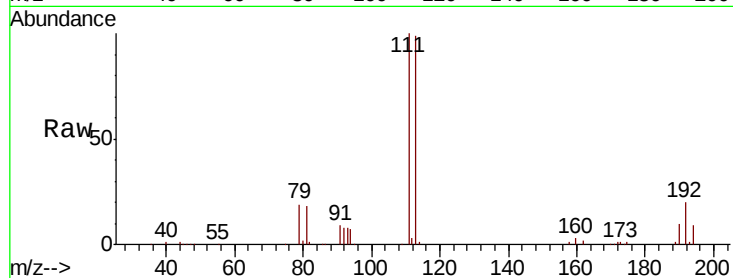




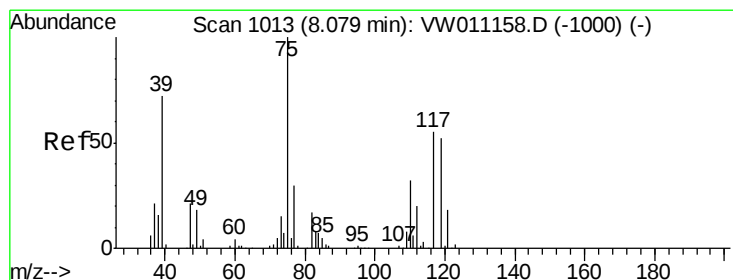
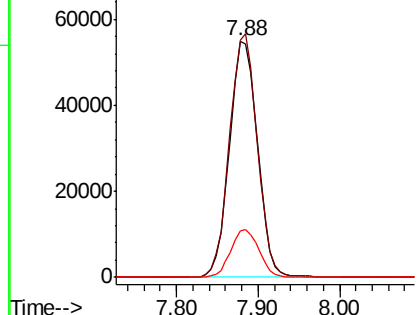
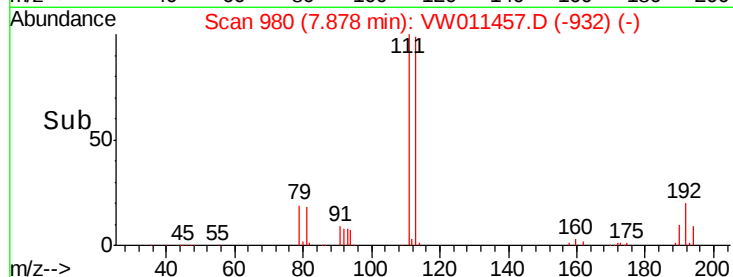
#35
 Dibromofluoromethane
 Concen: 51.128 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW011457.D
 Acq: 24 Jul 2019 03:05

Instrument :
 MSVOA_W
 ClientSampleId :
 PA-71619

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.1	82.4	123.6
192	20.5	15.8	23.8

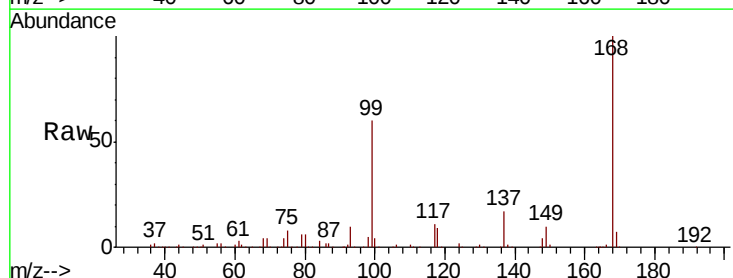


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

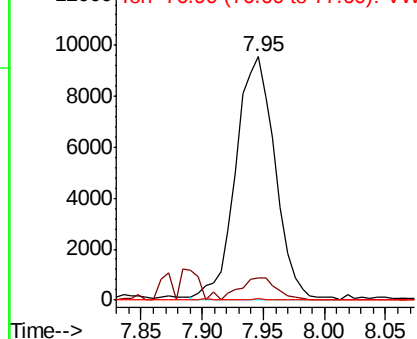
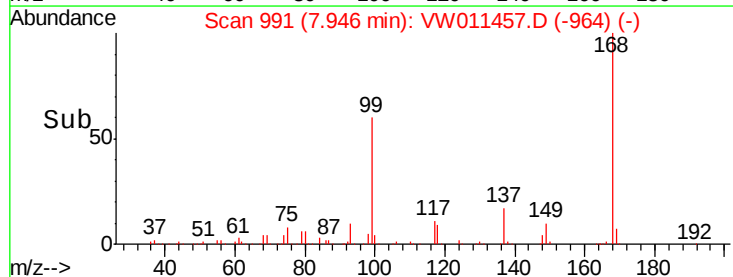


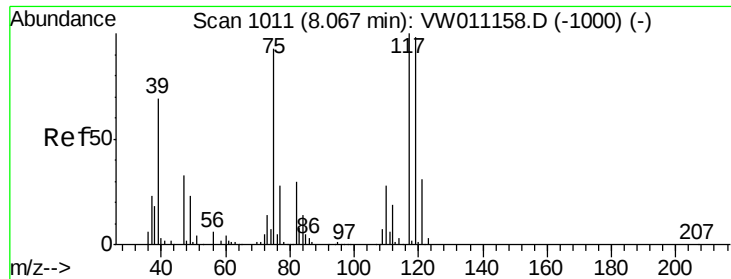
#36
 1,1-Dichloropropene
 Concen: 4.710 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW011457.D
 Acq: 24 Jul 2019 03:05

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.5	15.9	47.6#
77	0.1	24.6	36.8#



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

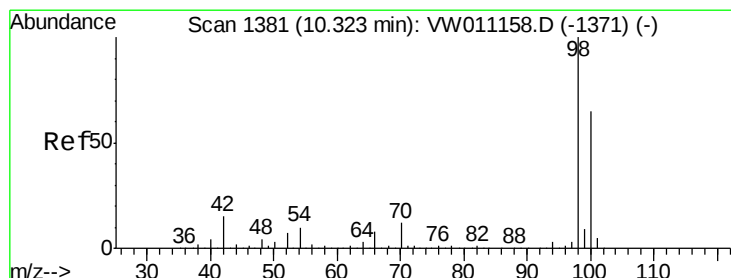
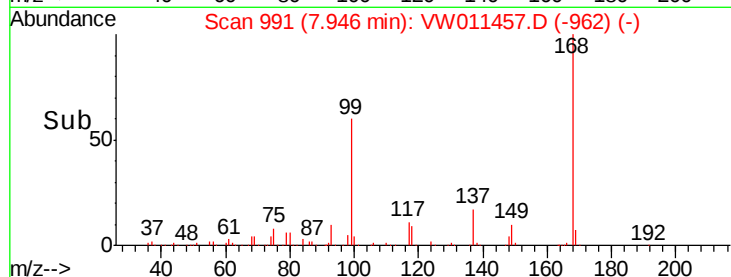
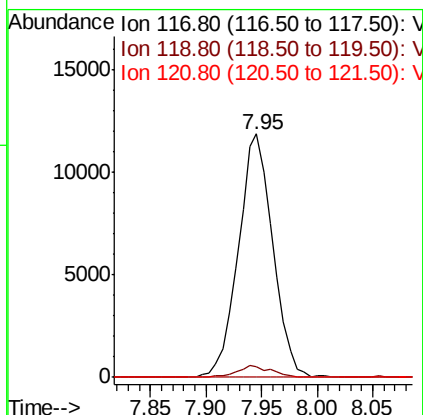
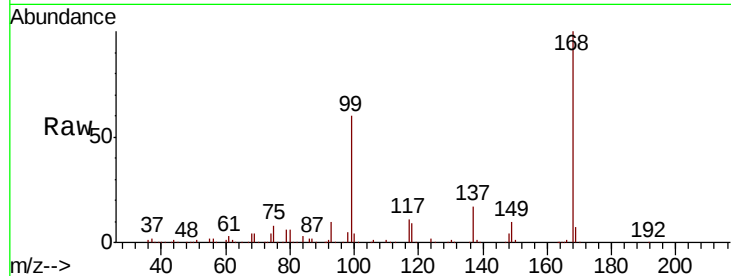




#38
Carbon Tetrachloride
Concen: 6.594 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW011457.D
Acq: 24 Jul 2019 03:05

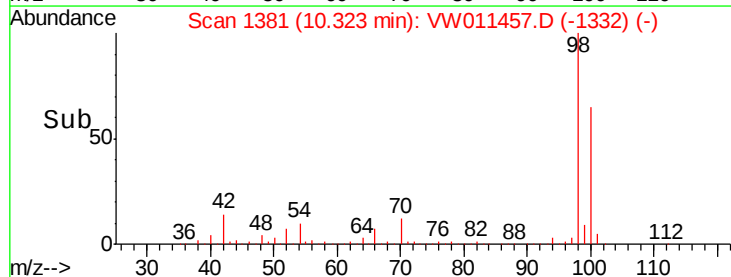
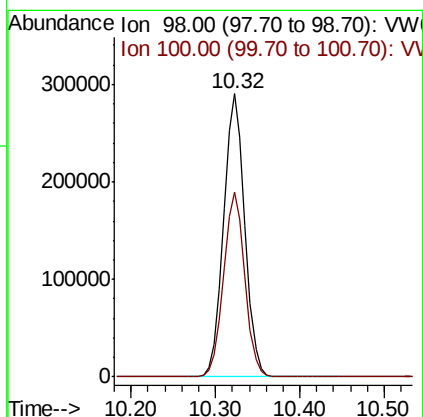
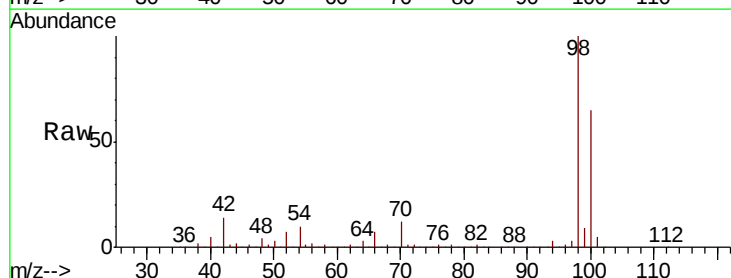
Instrument :
MSVOA_W
ClientSampled :
PA-71619

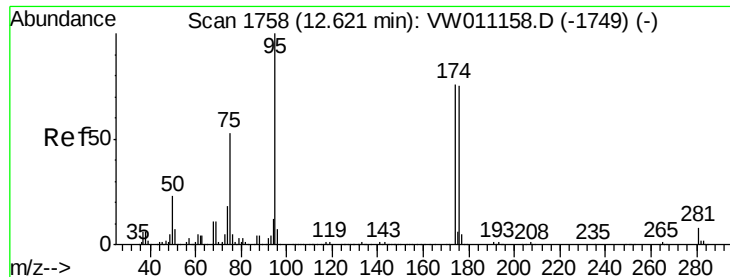
Tot Ion:117 Resp: 25393
Ion Ratio Lower Upper
117 100
119 4.5 78.1 117.1#
121 0.0 25.1 37.7#



#50
Toluene-d8
Concen: 48.764 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW011457.D
Acq: 24 Jul 2019 03:05

Tgt Ion: 98 Resp: 501142
Ion Ratio Lower Upper
98 100
100 65.2 52.4 78.6





#62

4-Bromofluorobenzene

Concen: 37.267 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.01 min

Lab File: VW011457.D

Acq: 24 Jul 2019 03:05

Instrument :

MSVOA_W

ClientSampleId :

PA-71619

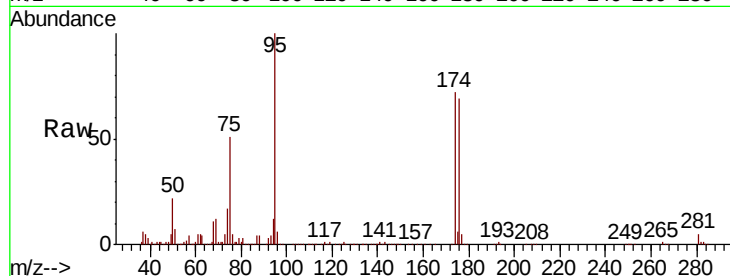
Tot Ion: 95 Resp: 140379

Ion Ratio Lower Upper

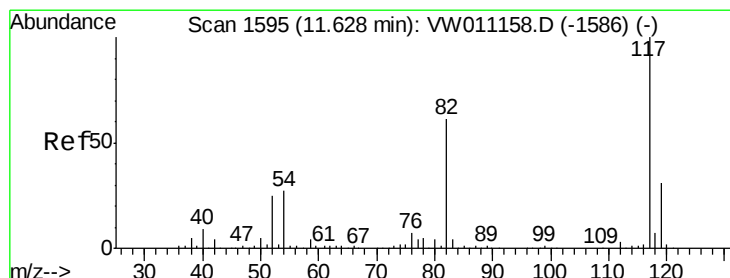
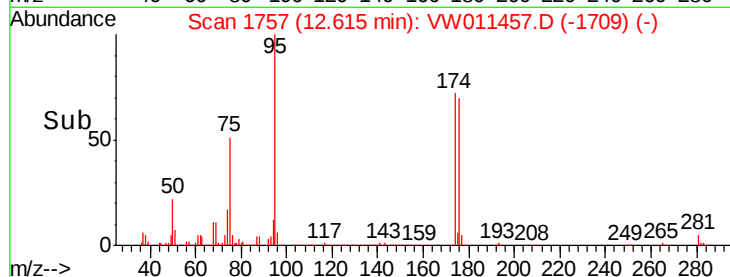
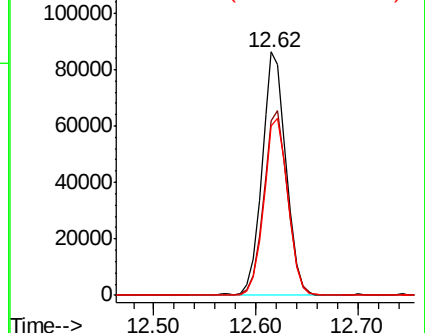
95 100

174 75.6 0.0 147.6

176 73.2 0.0 144.6



Abundance Ion 94.90 (94.60 to 95.60): VW
Ion 173.80 (173.50 to 174.50): VW
Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1595

Delta R.T. 0.00 min

Lab File: VW011457.D

Acq: 24 Jul 2019 03:05

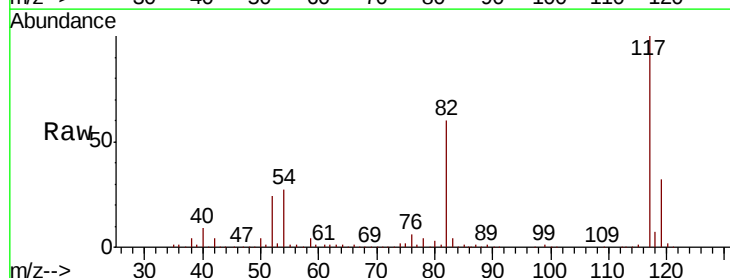
Tgt Ion: 117 Resp: 319816

Ion Ratio Lower Upper

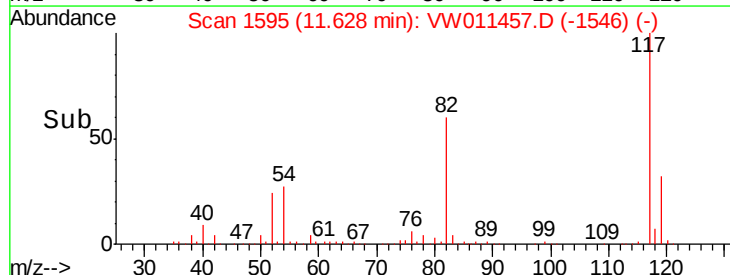
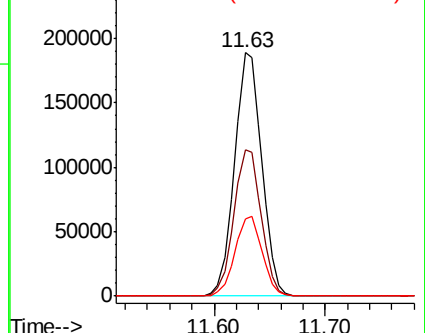
117 100

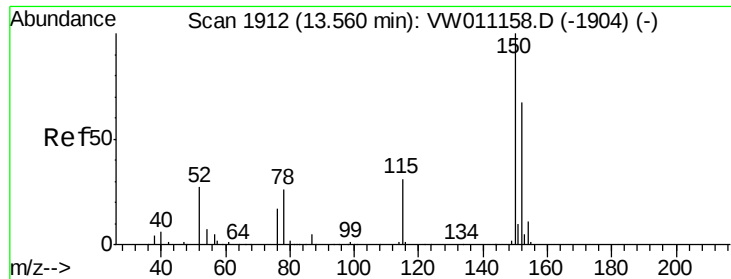
82 60.3 48.9 73.3

119 31.8 25.0 37.6



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





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW011457.D

Acq: 24 Jul 2019 03:05

Instrument :

MSVOA_W

ClientSampleId :

PA-71619

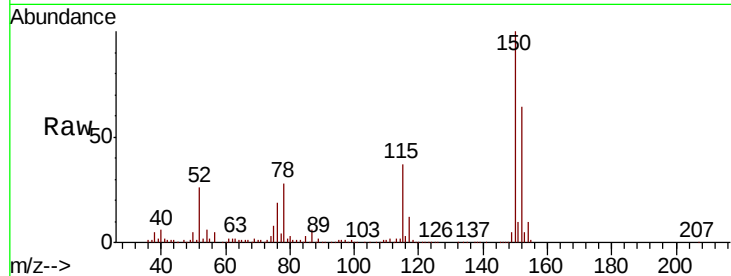
Tot Ion:152 Resp: 100899

Ion Ratio Lower Upper

152 100

115 60.1 30.1 90.3

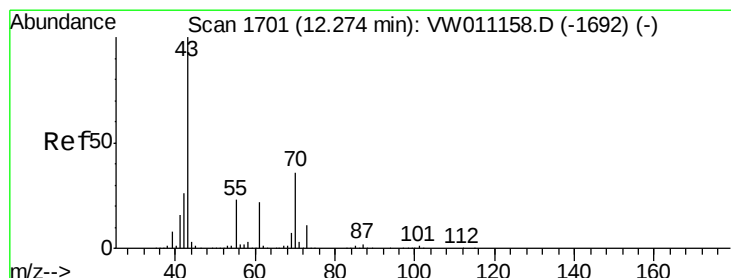
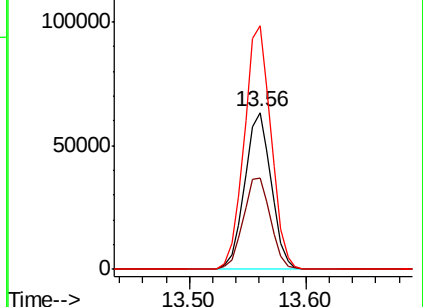
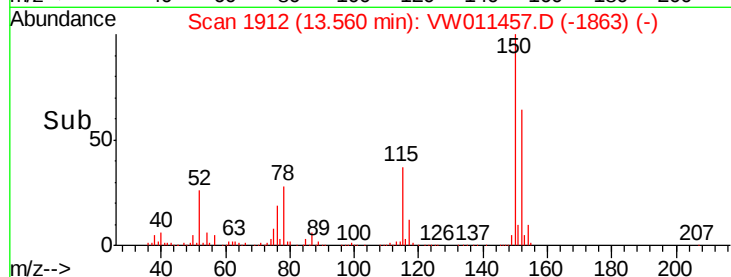
150 156.9 0.0 346.0



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



#74

N-ethyl acetate

Concen: 3.024 ug/l

RT: 12.25 min Scan# 1697

Delta R.T. -0.02 min

Lab File: VW011457.D

Acq: 24 Jul 2019 03:05

Tgt Ion: 43 Resp: 7945

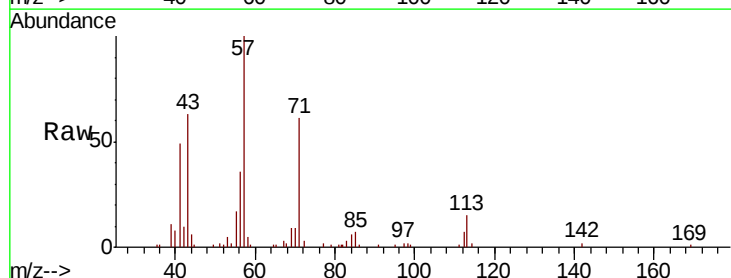
Ion Ratio Lower Upper

43 100

70 18.2 28.5 42.7#

55 41.9 18.1 27.1#

61 0.0 17.2 25.8#

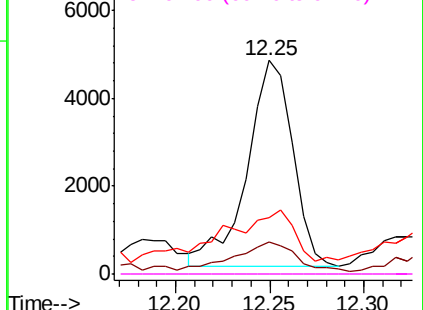
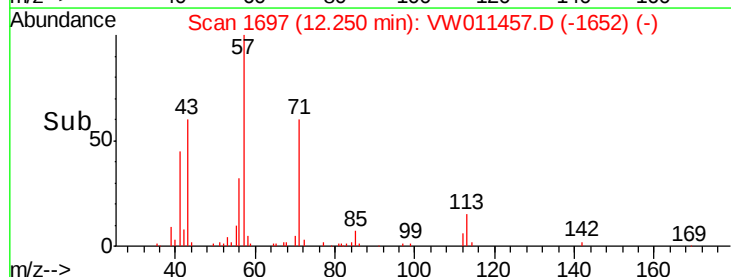


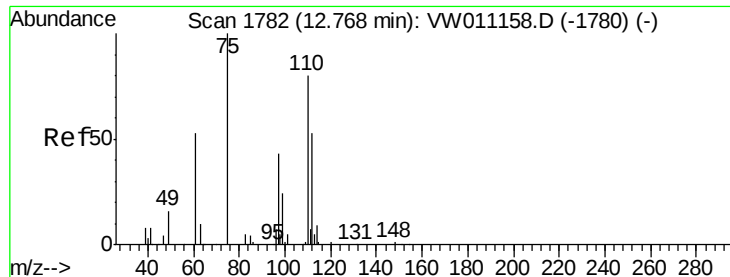
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#76

1,2,3-Trichloropropane

Concen: 62.790 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW011457.D

Acq: 24 Jul 2019 03:05

Instrument :

MSVOA_W

ClientSampleId :

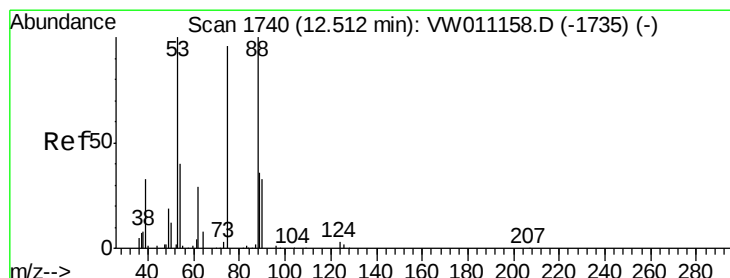
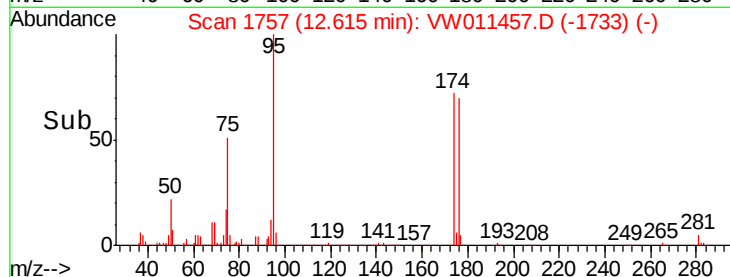
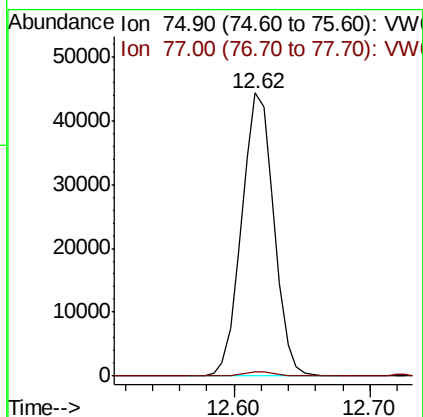
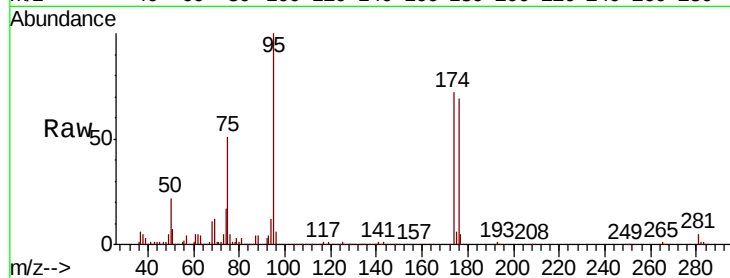
PA-71619

Tot Ion: 75 Resp: 73214

Ion Ratio Lower Upper

75 100

77 1.9 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 142.019 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW011457.D

Acq: 24 Jul 2019 03:05

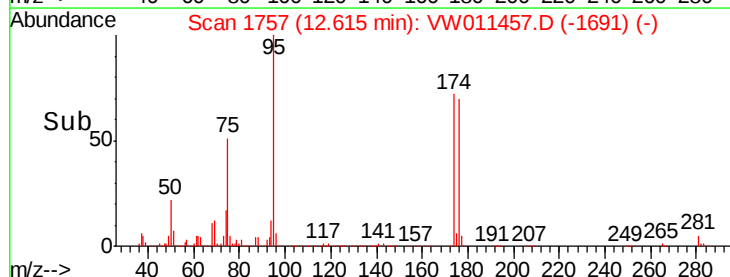
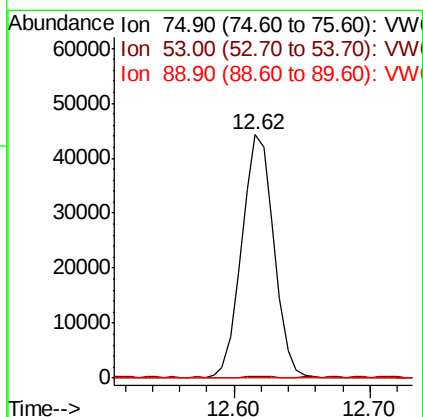
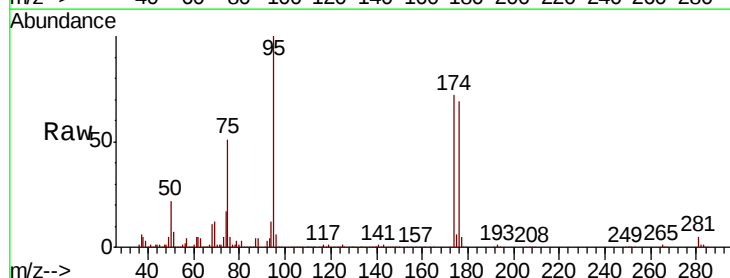
Tgt Ion: 75 Resp: 73214

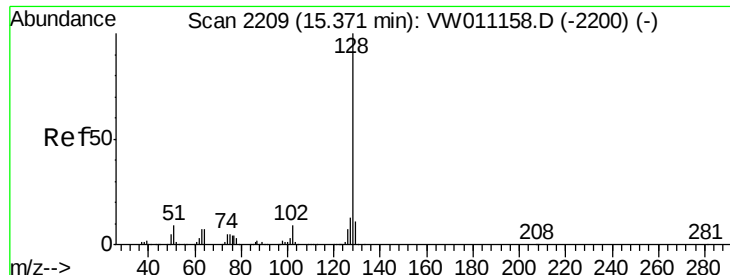
Ion Ratio Lower Upper

75 100

53 0.3 89.8 134.6#

89 0.1 34.3 51.5#

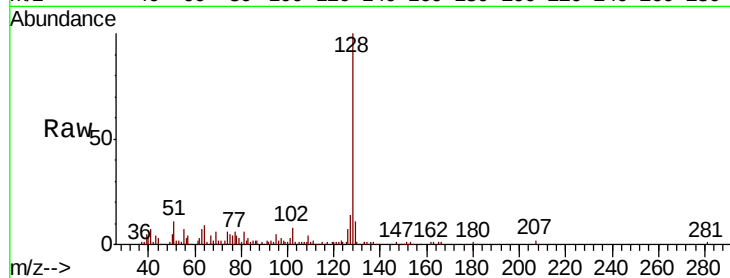




#95
Naphthalene
Concen: 9.502 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.01 min
Lab File: VW011457.D
Acq: 24 Jul 2019 03:05

Instrument :
MSVOA_W
ClientSampleId :
PA-71619

Tot Ion	Ratio	Lower	Upper
128	100		
127	15.1	10.6	16.0
129	13.0	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

