

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071819\
 Data File : VW011340.D
 Acq On : 18 Jul 2019 18:02
 Operator : SY/VA
 Sample : K3813-04
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 19 06:45:52 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	185727	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	320560	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	275857	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	120435	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	135366	58.00	ug/l	0.00
Spiked Amount			Recovery	=	116.00%	
35) Dibromofluoromethane	7.88	113	101382	53.06	ug/l	0.00
Spiked Amount			Recovery	=	106.12%	
50) Toluene-d8	10.32	98	398171	51.55	ug/l	0.00
Spiked Amount			Recovery	=	103.10%	
62) 4-Bromofluorobenzene	12.62	95	135479	47.86	ug/l	0.00
Spiked Amount			Recovery	=	95.72%	

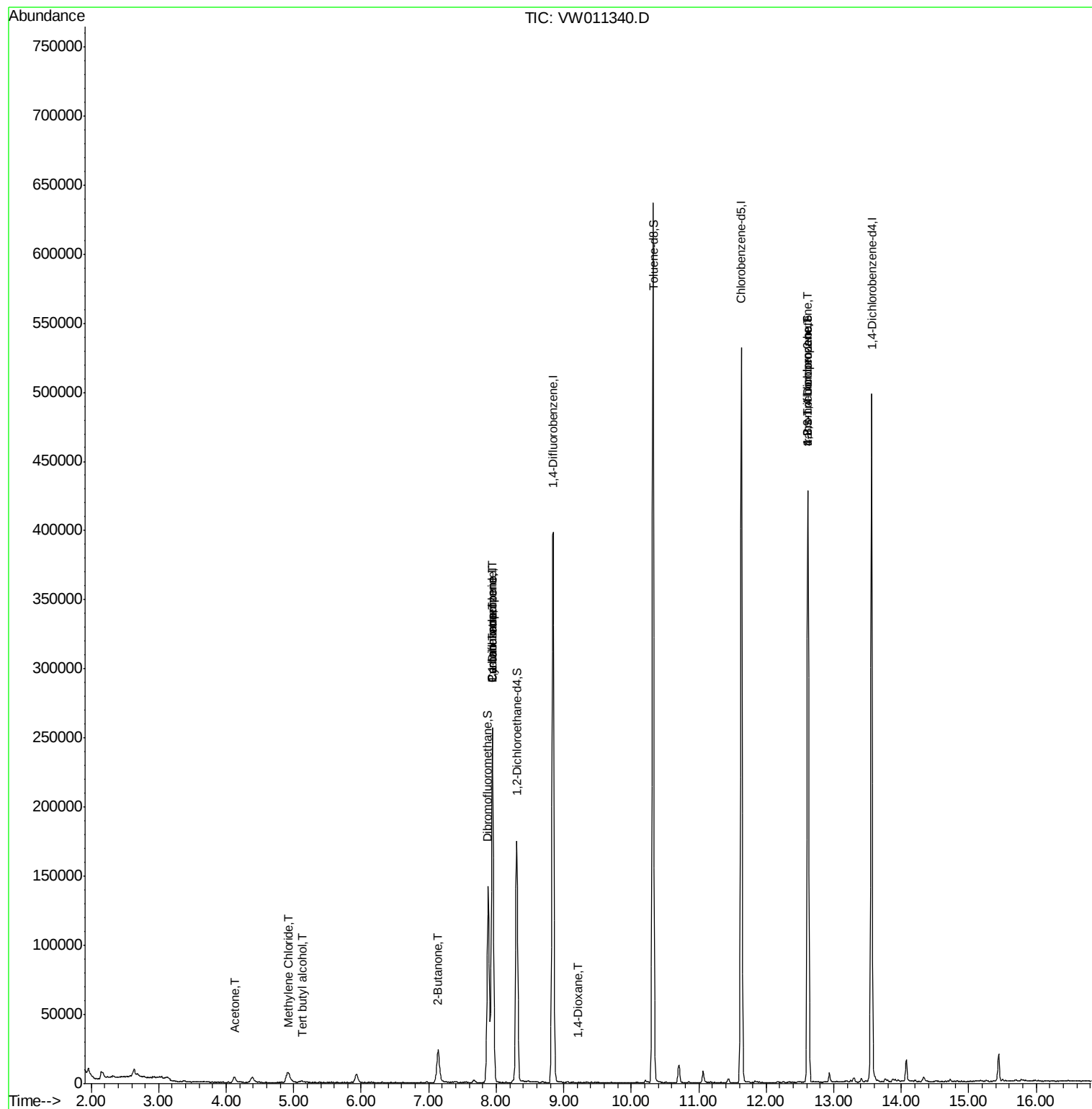
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.12	59	1078	6.239	ug/l #	75
16) Acetone	4.12	43	7810	13.909	ug/l	96
18) Methyl Acetate	4.67	43	472	Below Cal	#	57
20) Methylene Chloride	4.92	84	6086	2.747	ug/l	91
25) 2-Butanone	7.14	43	1548	1.756	ug/l #	83
31) Cyclohexane	7.95	56	5075	1.123	ug/l #	1
36) 1,1-Dichloropropene	7.94	75	16667	4.882	ug/l #	51
38) Carbon Tetrachloride	7.95	117	18544	6.408	ug/l #	15
49) 1,4-Dioxane	9.21	88	21	1.048	ug/l #	17
76) 1,2,3-Trichloropropane	12.62	75	72083	51.792	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	72083	117.144	ug/l #	6

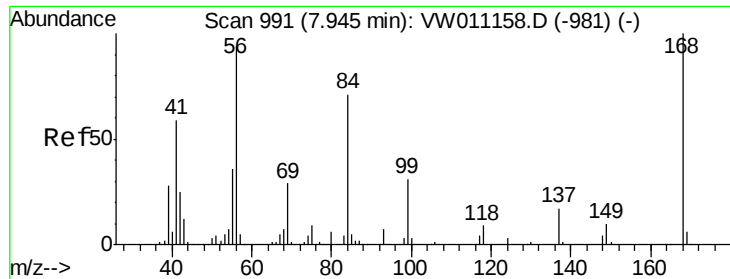
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW071819\
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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: VW011340.D

Acq: 18 Jul 2019 18:02

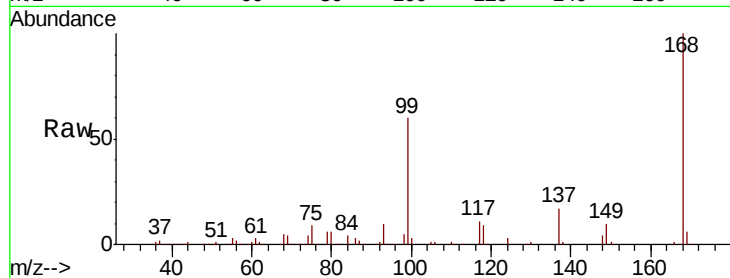
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 185727

Ion Ratio Lower Upper

168 100

99 60.4 50.1 75.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

80000

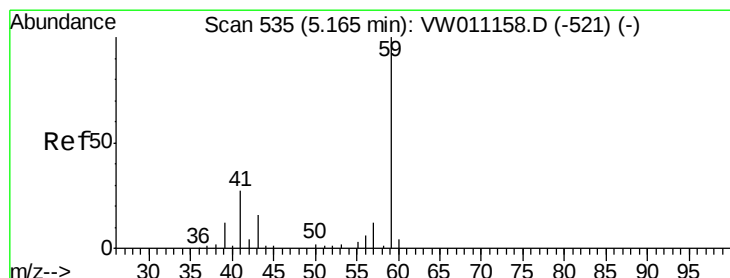
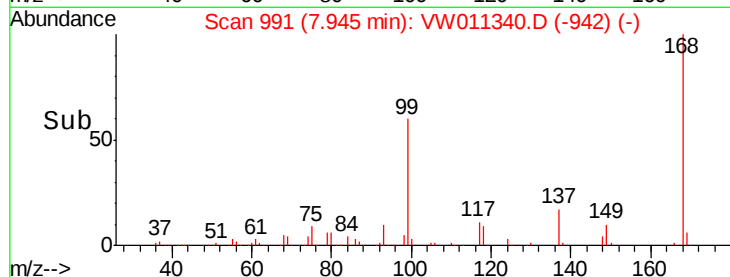
60000

40000

20000

0

Time--> 7.80 7.90 8.00



#11

Tert butyl alcohol

Concen: 6.239 ug/l

RT: 5.12 min Scan# 528

Delta R.T. -0.04 min

Lab File: VW011340.D

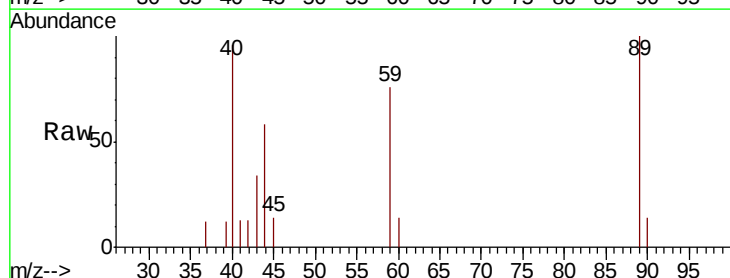
Acq: 18 Jul 2019 18:02

Tgt Ion: 59 Resp: 1078

Ion Ratio Lower Upper

59 100

57 1.8 9.0 13.6#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.12

400

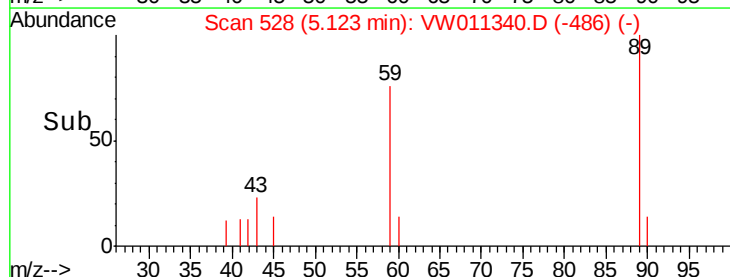
300

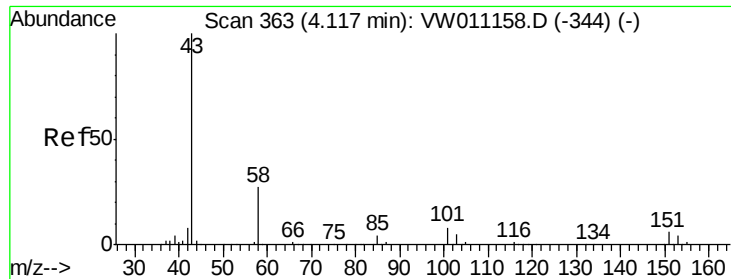
200

100

0

Time--> 5.05 5.10 5.15

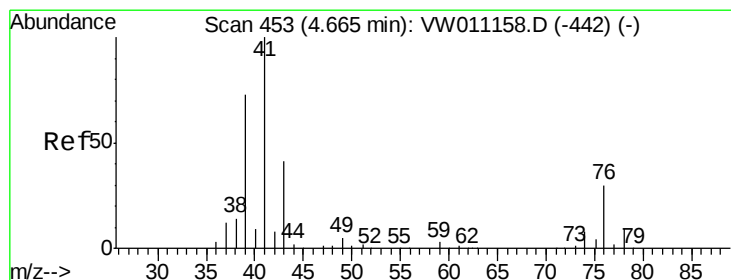
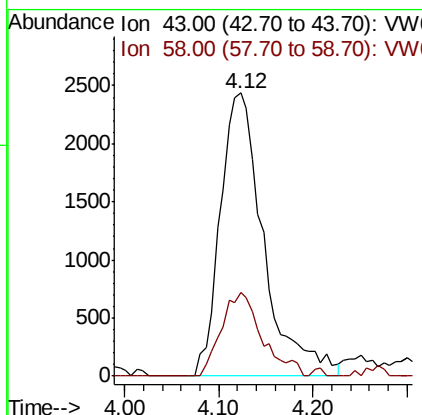
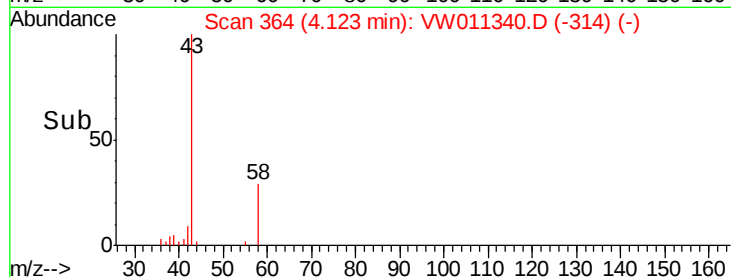
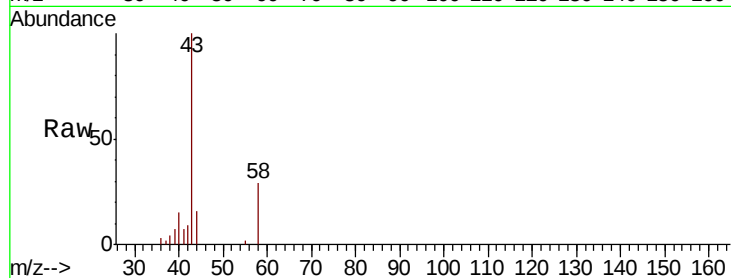




#16
Acetone
Concen: 13.909 ug/l
RT: 4.12 min Scan# 364
Delta R.T. 0.01 min
Lab File: VW011340.D
Acq: 18 Jul 2019 18:02

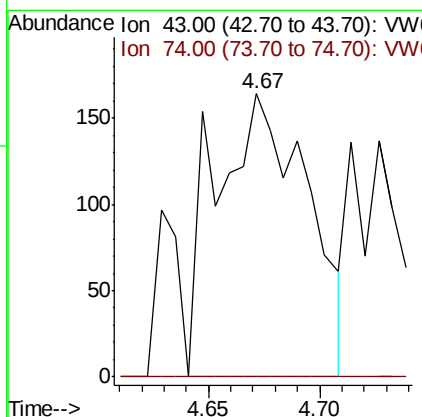
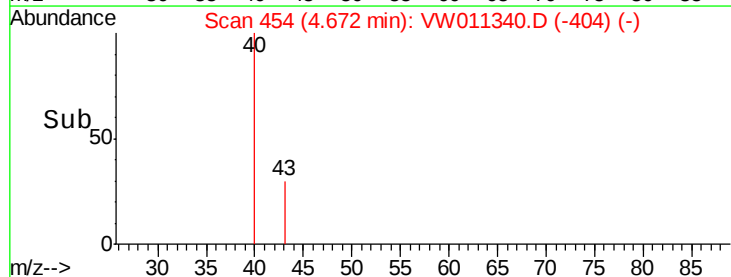
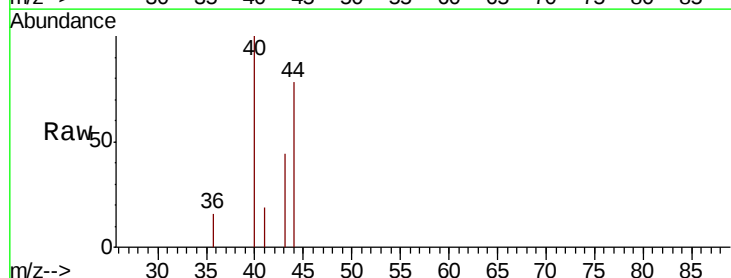
Instrument :
MSVOA_W
ClientSampled :

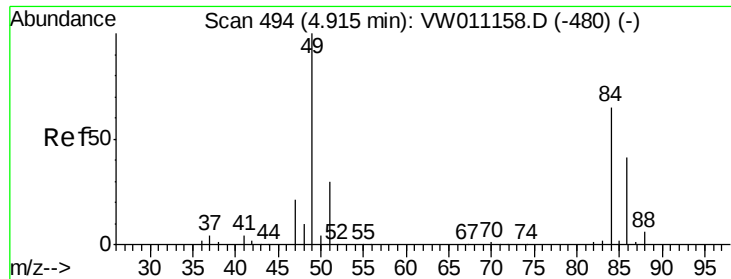
Tot Ion: 43 Resp: 7810
Ion Ratio Lower Upper
43 100
58 29.4 21.8 32.6



#18
Methyl Acetate
Concen: Below Cal
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW011340.D
Acq: 18 Jul 2019 18:02

Tgt Ion: 43 Resp: 472
Ion Ratio Lower Upper
43 100
74 0.0 15.7 23.5#

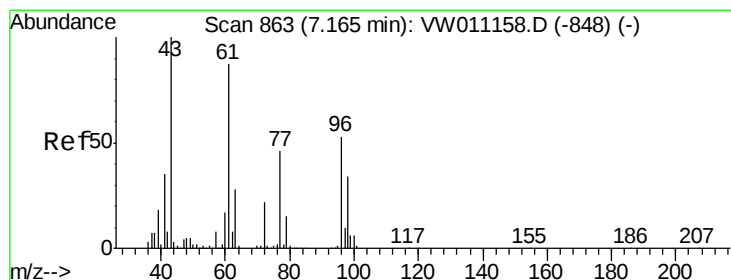
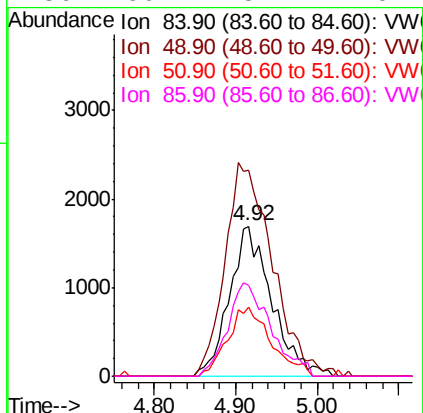
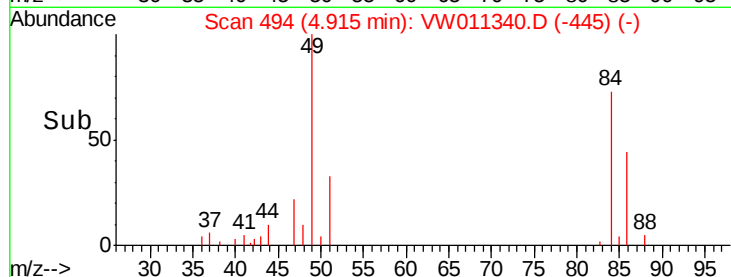
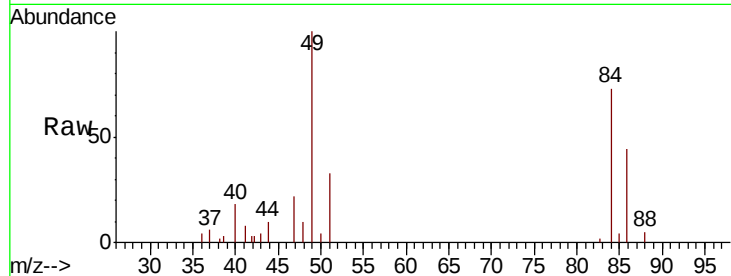




#20
Methvlene Chloride
Concen: 2.747 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW011340.D
Acq: 18 Jul 2019 18:02

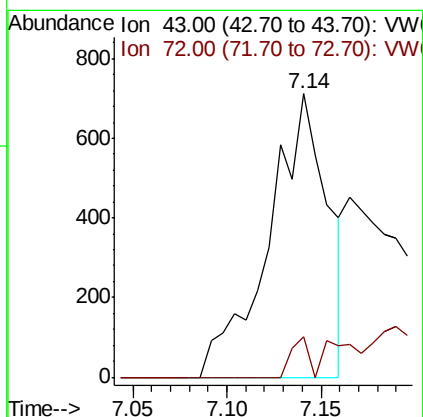
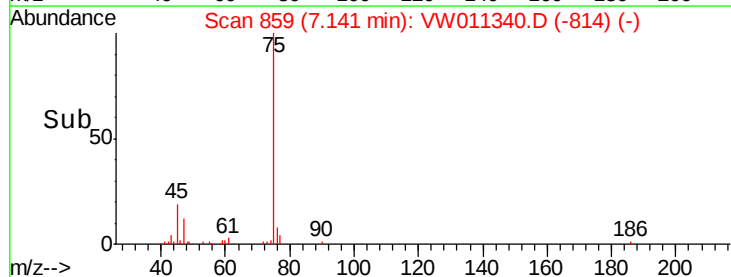
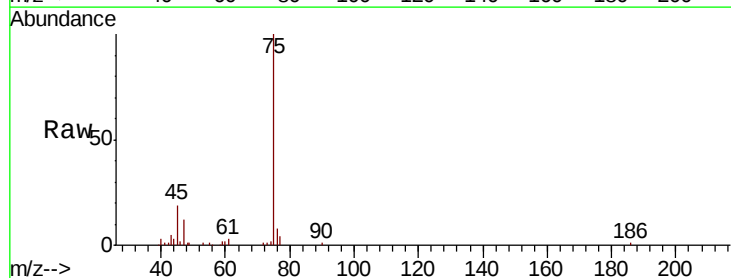
Instrument :
MSVOA_W
ClientSampled :

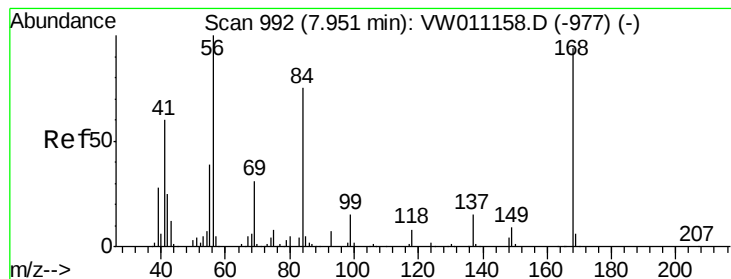
Tot Ion: 84 Resp: 6086
Ion Ratio Lower Upper
84 100
49 137.5 123.8 185.6
51 45.8 37.4 56.2
86 60.7 51.1 76.7



#25
2-Butanone
Concen: 1.756 ug/l
RT: 7.14 min Scan# 859
Delta R.T. -0.02 min
Lab File: VW011340.D
Acq: 18 Jul 2019 18:02

Tgt Ion: 43 Resp: 1548
Ion Ratio Lower Upper
43 100
72 14.0 17.6 26.4#





#31

Cvclohexane

Concen: 1.123 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW011340.D

Acq: 18 Jul 2019 18:02

Instrument :
MSVOA_W
ClientSampleId :

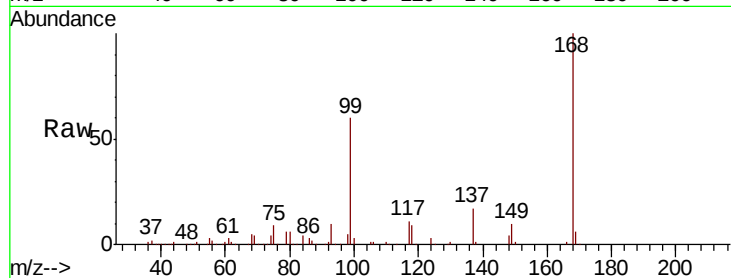
Tot Ion: 56 Resp: 5075

Ion Ratio Lower Upper

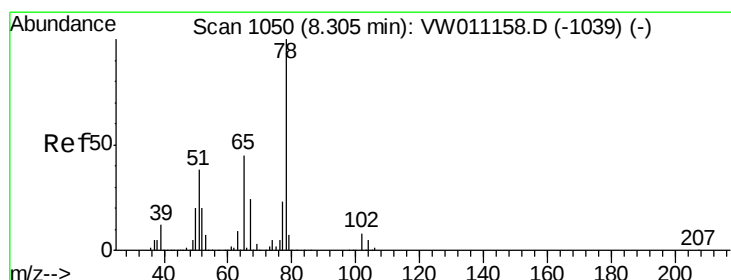
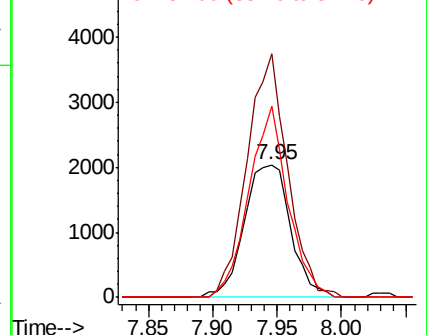
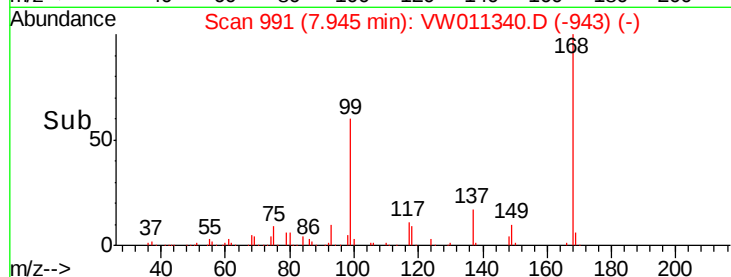
56 100

69 184.0 24.6 36.8#

84 144.9 60.1 90.1#



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: 58.004 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW011340.D

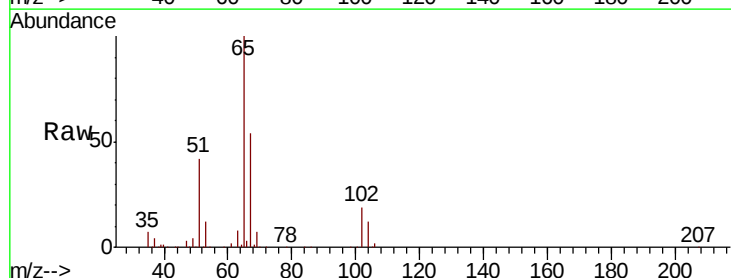
Acq: 18 Jul 2019 18:02

Tgt Ion: 65 Resp: 135366

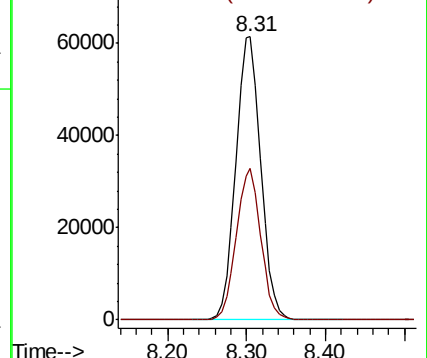
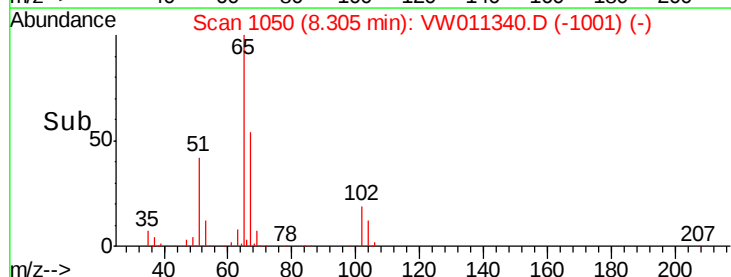
Ion Ratio Lower Upper

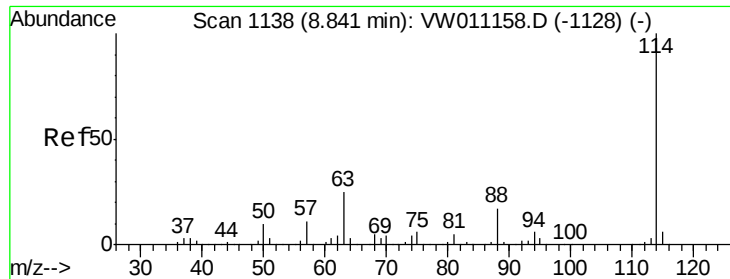
65 100

67 52.5 0.0 104.4



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: VW011340.D

Acq: 18 Jul 2019 18:02

Instrument :

MSVOA_W

ClientSampleId :

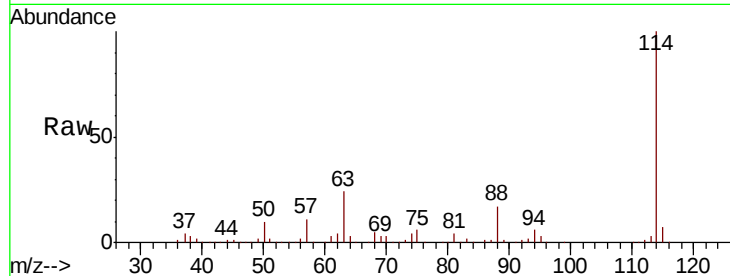
Tot Ion:114 Resp: 320560

Ion Ratio Lower Upper

114 100

63 24.3 0.0 50.8

88 17.0 0.0 34.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

8.84

200000

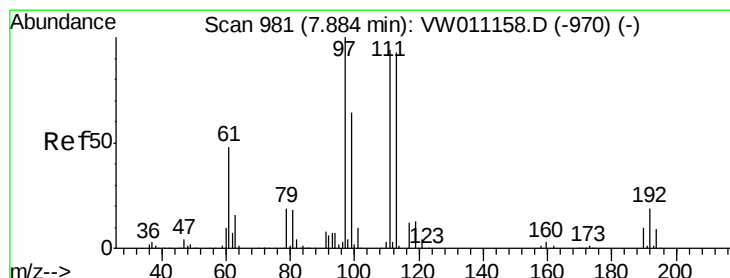
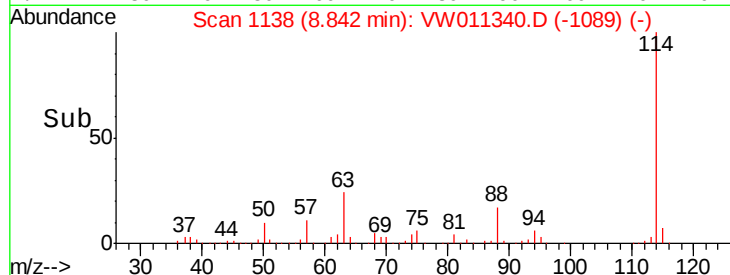
150000

100000

50000

0

Time--> 8.70 8.80 8.90 9.00



#35

Dibromofluoromethane

Concen: 53.061 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW011340.D

Acq: 18 Jul 2019 18:02

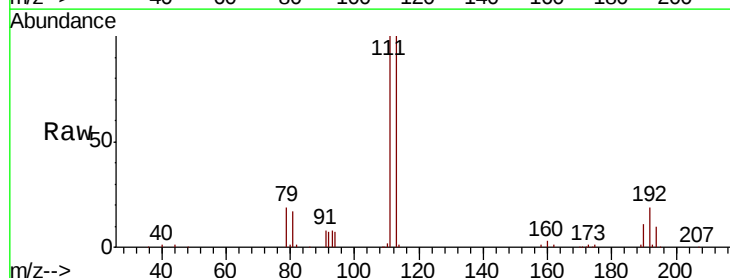
Tgt Ion:113 Resp: 101382

Ion Ratio Lower Upper

113 100

111 102.7 82.4 123.6

192 19.8 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

7.88

60000

50000

40000

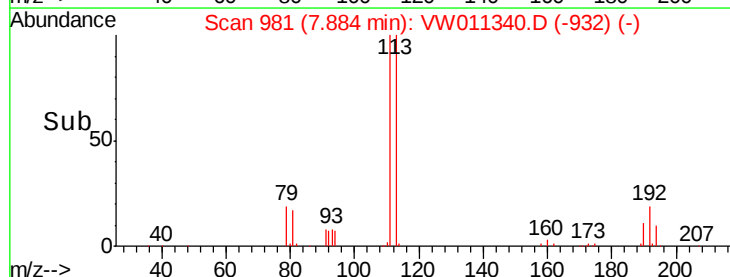
30000

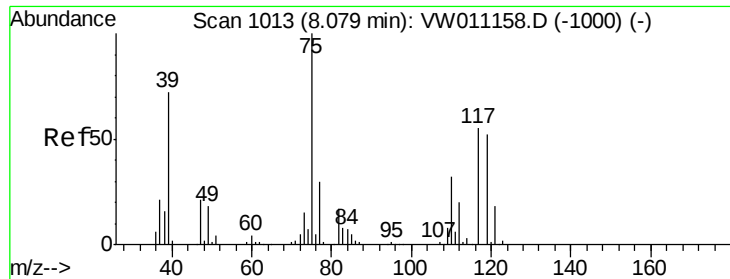
20000

10000

0

Time--> 7.80 7.90 8.00

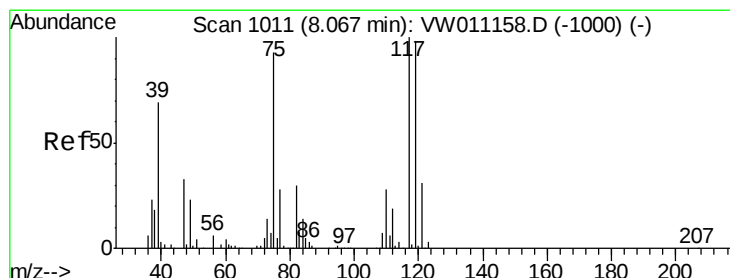
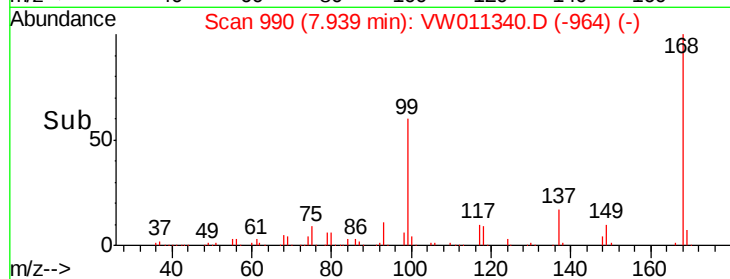
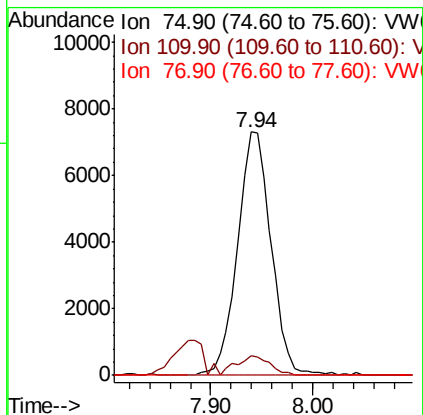
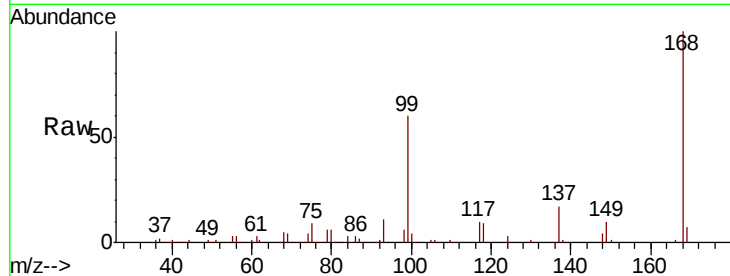




#36
 1,1-Dichloropropene
 Concen: 4.882 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW011340.D
 Acq: 18 Jul 2019 18:02

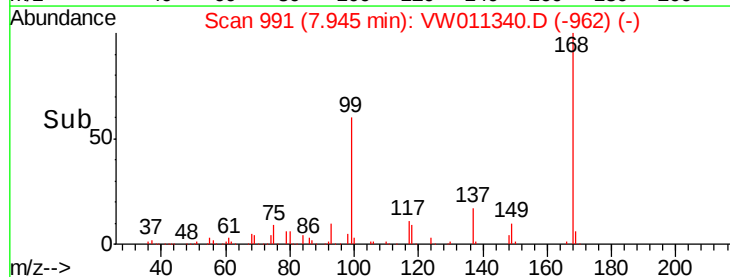
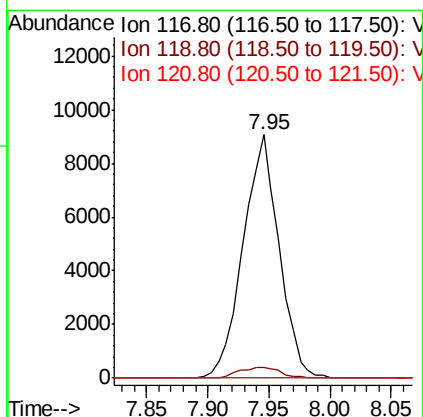
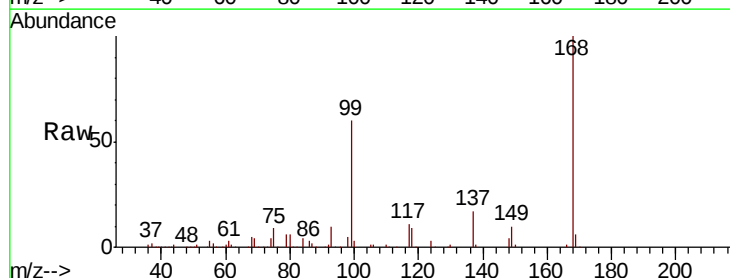
Instrument :
 MSVOA_W
 ClientSampleId :

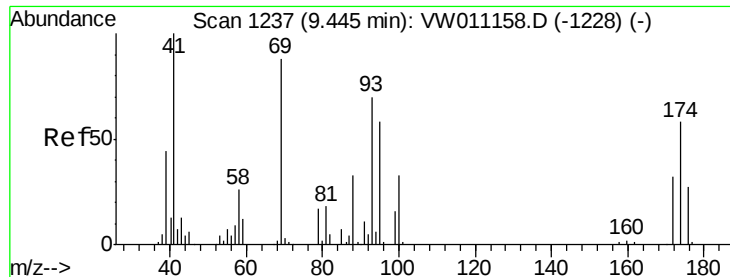
Tot Ion	75	Resp	16667
Ion Ratio	100	Lower	Upper
75	100		
110	8.2	15.9	47.6#
77	0.0	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 6.408 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW011340.D
 Acq: 18 Jul 2019 18:02

Tgt Ion	117	Resp	18544
Ion Ratio	100	Lower	Upper
117	100		
119	4.4	78.1	117.1#
121	0.0	25.1	37.7#





#49

1,4-Dioxane

Concen: 1.048 ug/l

RT: 9.21 min Scan# 1198

Delta R.T. -0.24 min

Lab File: VW011340.D

Acq: 18 Jul 2019 18:02

Instrument :
MSVOA_W
ClientSampleId :

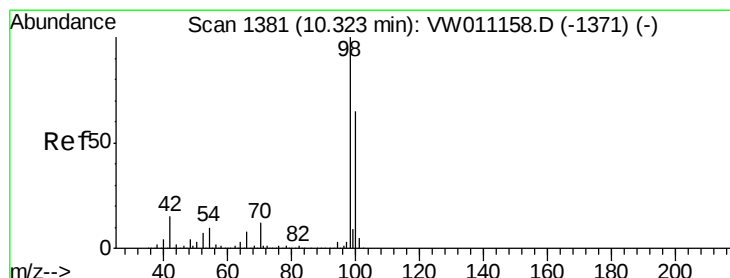
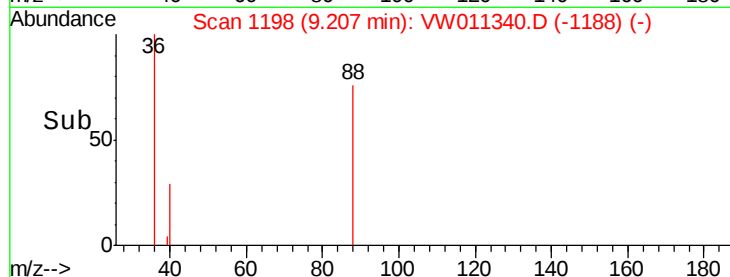
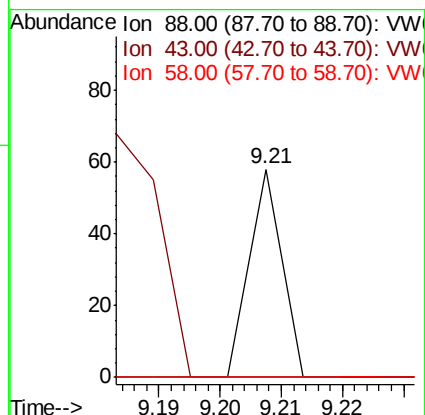
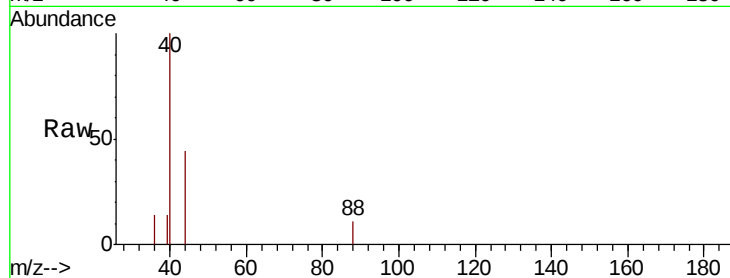
Tot Ion: 88 Resp: 21

Ion Ratio Lower Upper

88 100

43 0.0 33.4 50.0#

58 0.0 64.5 96.7#



#50

Toluene-d8

Concen: 51.555 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW011340.D

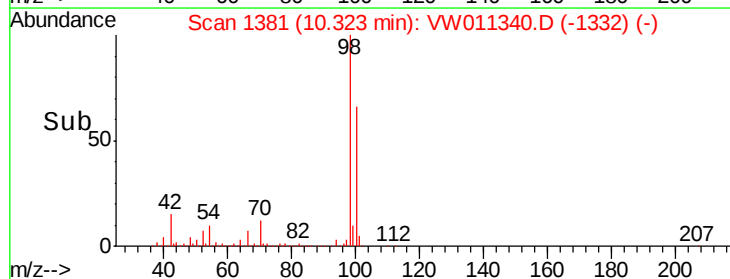
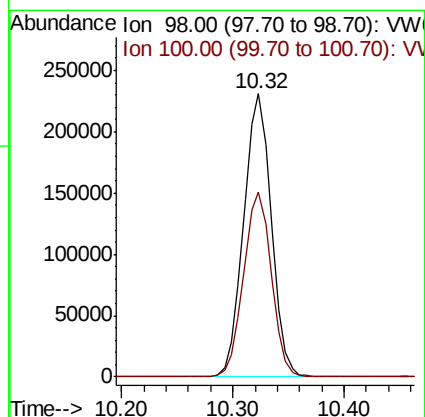
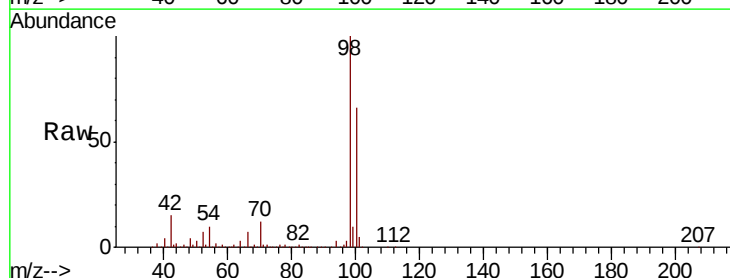
Acq: 18 Jul 2019 18:02

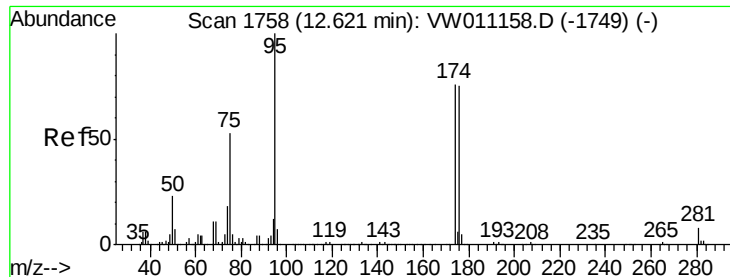
Tgt Ion: 98 Resp: 398171

Ion Ratio Lower Upper

98 100

100 65.5 52.4 78.6

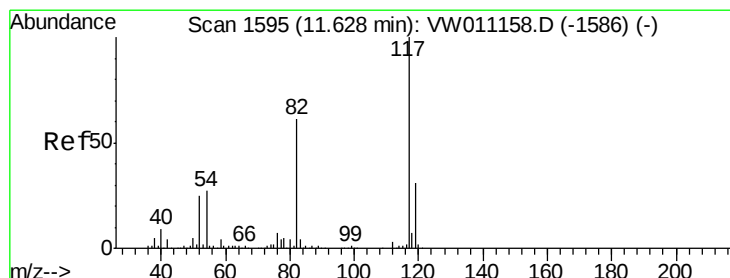
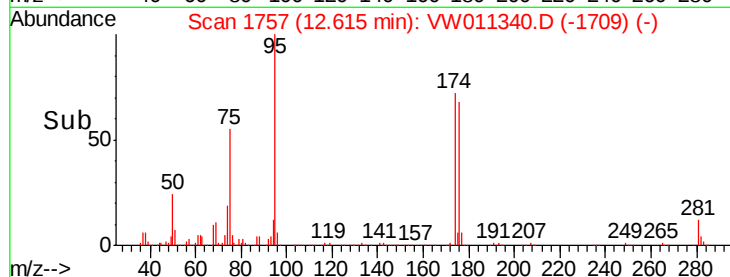
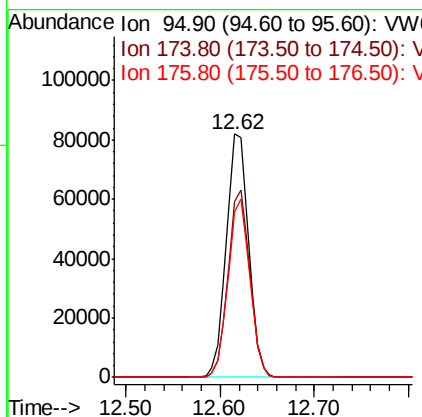
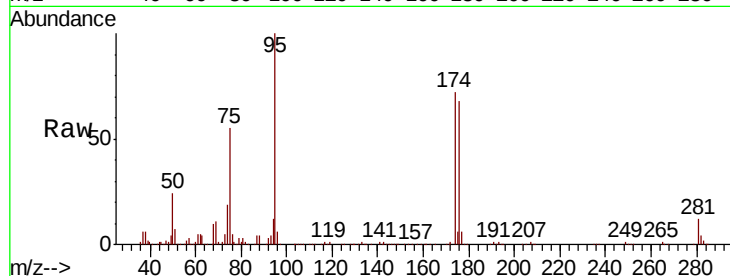




#62
4-Bromofluorobenzene
Concen: 47.858 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.01 min
Lab File: VW011340.D
Acq: 18 Jul 2019 18:02

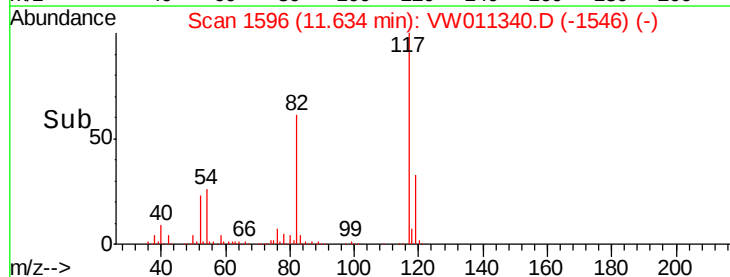
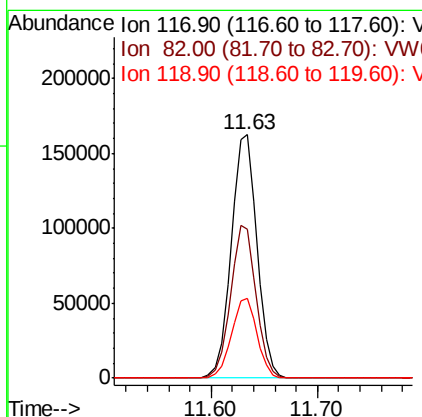
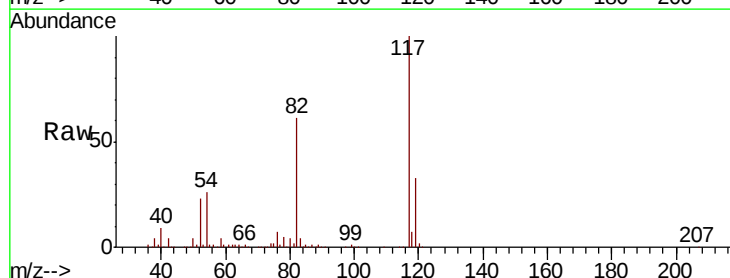
Instrument :
MSVOA_W
ClientSampled :

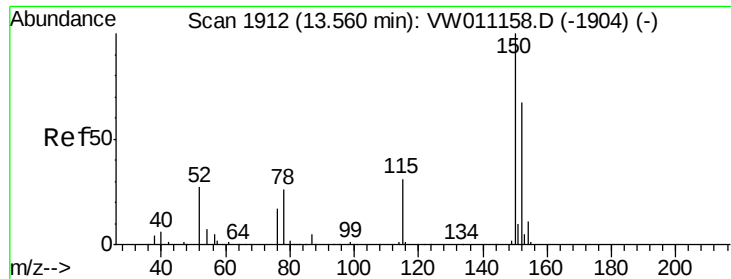
Tot Ion: 95 Resp: 135479
Ion Ratio Lower Upper
95 100
174 75.0 0.0 147.6
176 71.7 0.0 144.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.01 min
Lab File: VW011340.D
Acq: 18 Jul 2019 18:02

Tgt Ion: 117 Resp: 275857
Ion Ratio Lower Upper
117 100
82 60.9 48.9 73.3
119 32.9 25.0 37.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW011340.D

Acq: 18 Jul 2019 18:02

Instrument :

MSVOA_W

ClientSampleId :

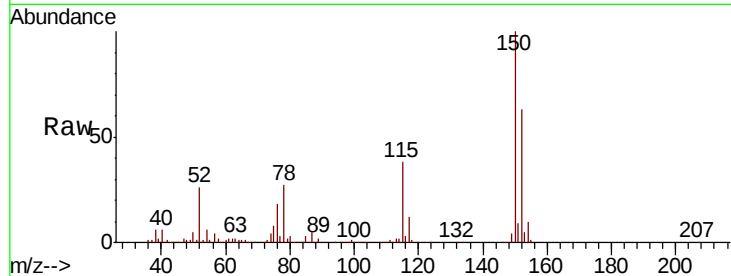
Tot Ion:152 Resp: 120435

Ion Ratio Lower Upper

152 100

115 60.4 30.1 90.3

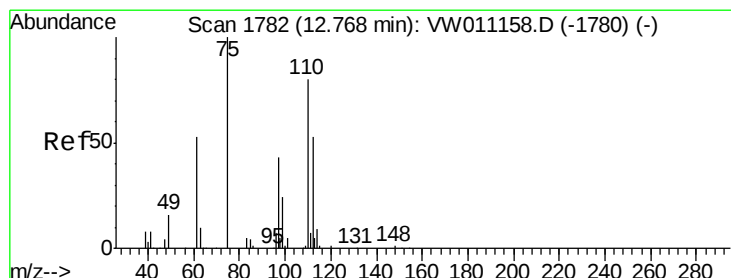
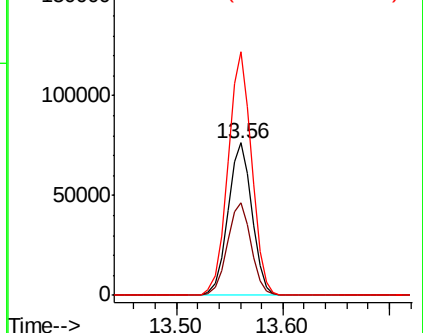
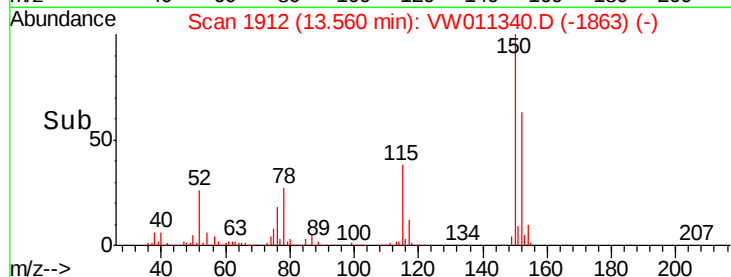
150 157.4 0.0 346.0



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



#76

1,2,3-Trichloropropane

Concen: 51.792 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW011340.D

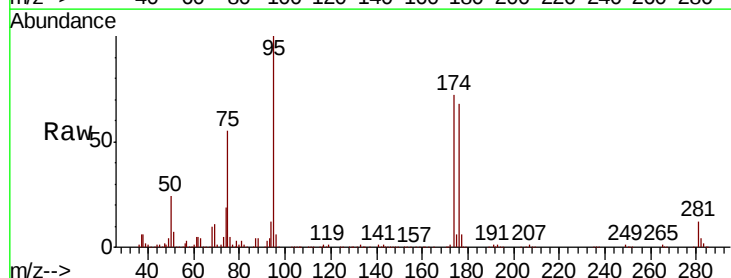
Acq: 18 Jul 2019 18:02

Tgt Ion: 75 Resp: 72083

Ion Ratio Lower Upper

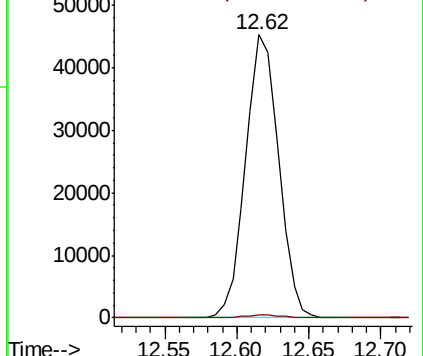
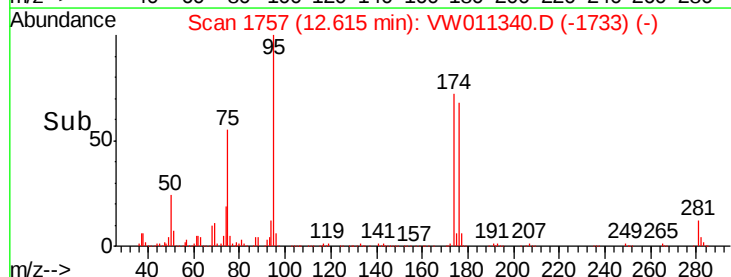
75 100

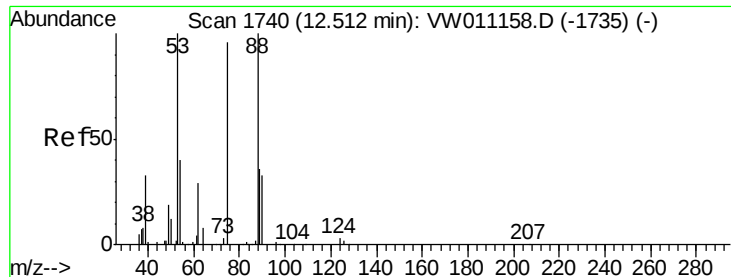
77 1.3 0.0 0.0#



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: 117.144 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW011340.D

Acq: 18 Jul 2019 18:02

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 75 Resp: 72083

Ion Ratio Lower Upper

75 100

53 0.1 89.8 134.6#

89 0.1 34.3 51.5#

