

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071819\
 Data File : VW011362.D
 Acq On : 19 Jul 2019 05:13
 Operator : SY/VA
 Sample : K3835-23
 Misc : 4.32G/5ML/MSVOA W/SOIL
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 19 06:51:01 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	200288	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	346582	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	297721	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	111284	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	144332	57.35	ug/l	0.00
Spiked Amount			Recovery	=	114.70%	
35) Dibromofluoromethane	7.88	113	110264	53.38	ug/l	0.00
Spiked Amount			Recovery	=	106.76%	
50) Toluene-d8	10.32	98	437536	52.40	ug/l	0.00
Spiked Amount			Recovery	=	104.80%	
62) 4-Bromofluorobenzene	12.62	95	136501	44.60	ug/l	0.00
Spiked Amount			Recovery	=	89.20%	

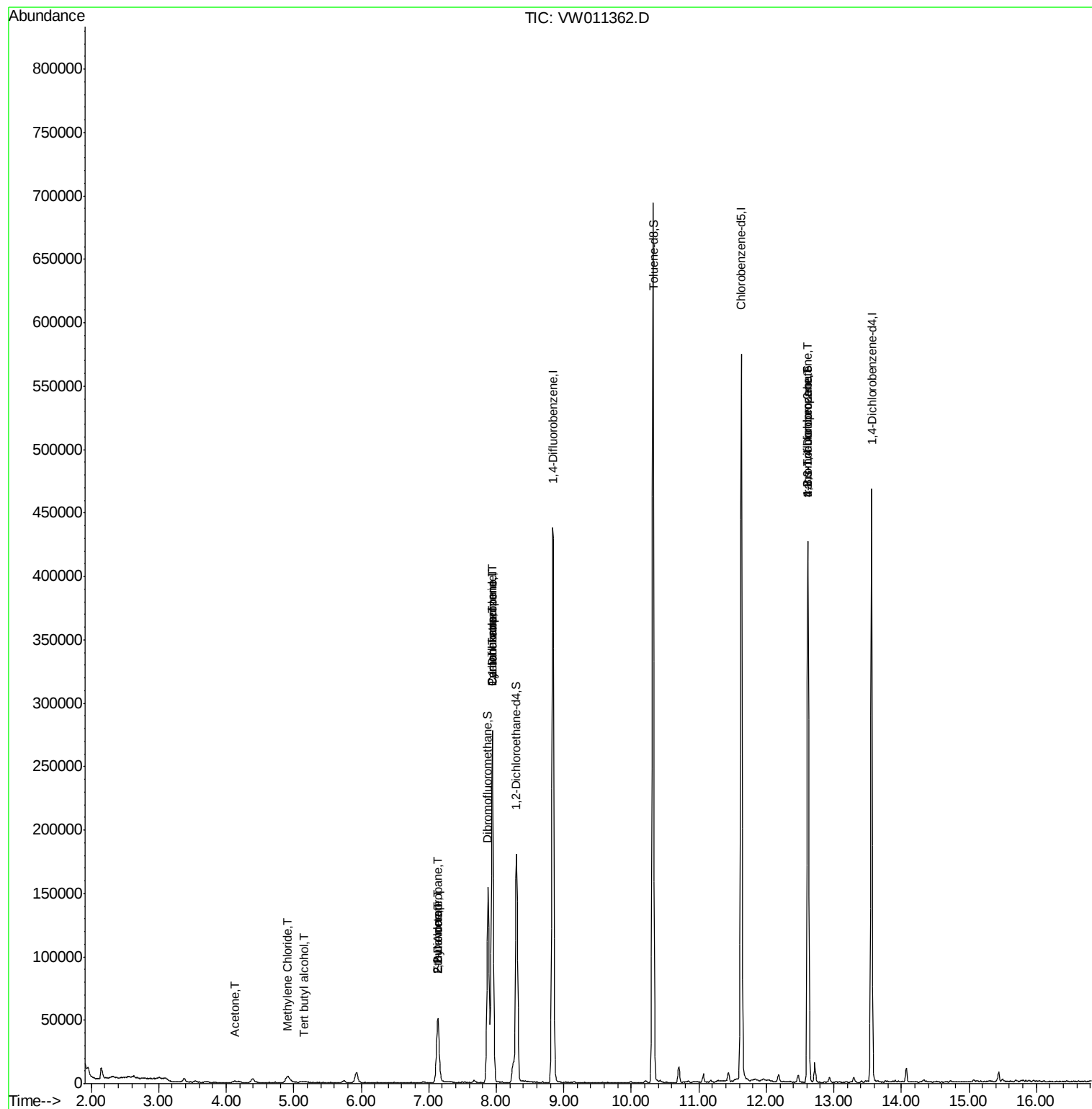
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.15	59	522	2.802	ug/l #	93
16) Acetone	4.12	43	2967	4.900	ug/l	90
18) Methyl Acetate	4.65	43	182	Below Cal	#	57
20) Methylene Chloride	4.90	84	3548	1.485	ug/l	94
25) 2-Butanone	7.14	43	3271	3.441	ug/l #	83
26) 2,2-Dichloropropane	7.13	77	3346	1.405	ug/l #	53
31) Cyclohexane	7.95	56	5147	1.056	ug/l #	11
36) 1,1-Dichloropropene	7.94	75	17875	4.843	ug/l #	52
37) Ethyl Acetate	7.14	43	3271	1.475	ug/l #	1
38) Carbon Tetrachloride	7.95	117	20821	6.655	ug/l #	15
76) 1,2,3-Trichloropropane	12.62	75	72740	56.562	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	72740	127.932	ug/l #	5

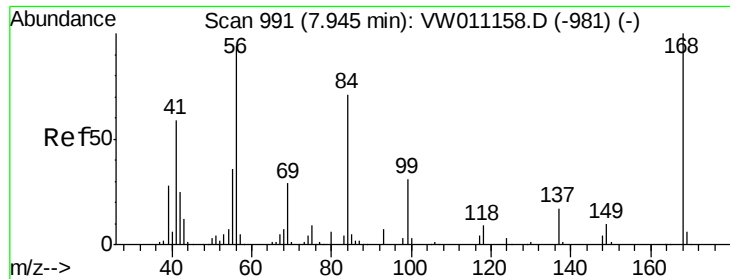
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW071819\
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QLast Update : Thu Jul 11 08:14:17 2019
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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: VW011362.D

Acq: 19 Jul 2019 05:13

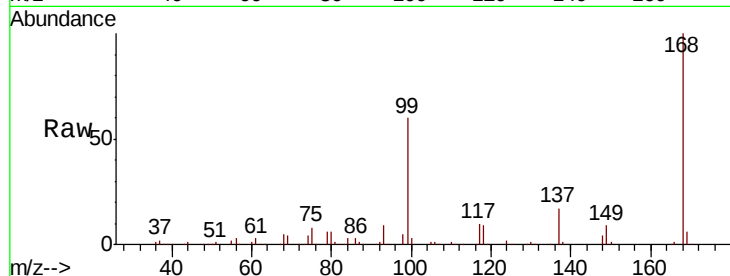
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 200288

Ion Ratio Lower Upper

168 100

99 60.2 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

100000

80000

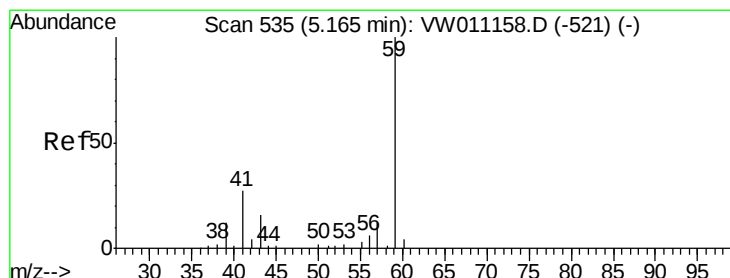
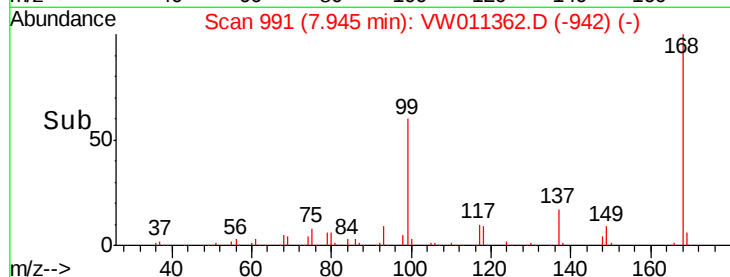
60000

40000

20000

0

Time--> 7.80 7.90 8.00



#11

Tert butyl alcohol

Concen: 2.802 ug/l

RT: 5.15 min Scan# 533

Delta R.T. -0.01 min

Lab File: VW011362.D

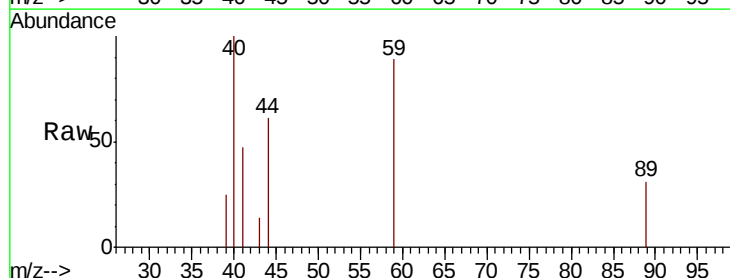
Acq: 19 Jul 2019 05:13

Tgt Ion: 59 Resp: 522

Ion Ratio Lower Upper

59 100

57 8.8 9.0 13.6#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.15

400

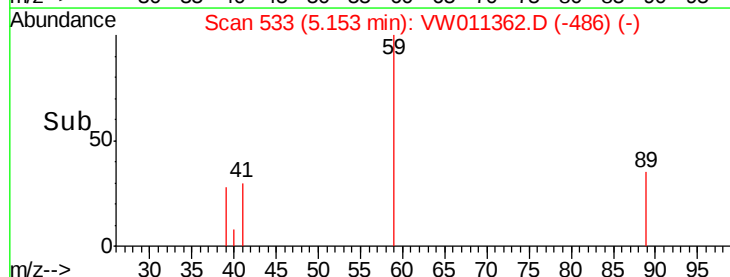
300

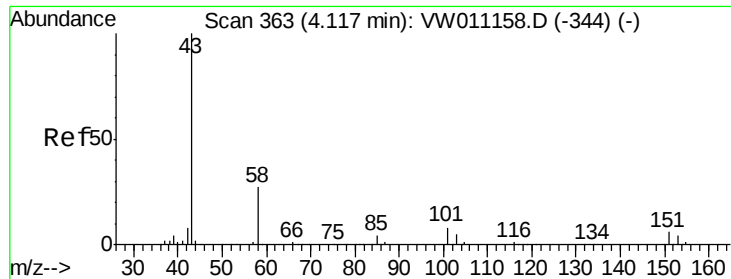
200

100

0

Time--> 5.10 5.15





#16

Acetone

Concen: 4.900 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW011362.D

Acq: 19 Jul 2019 05:13

Instrument :

MSVOA_W

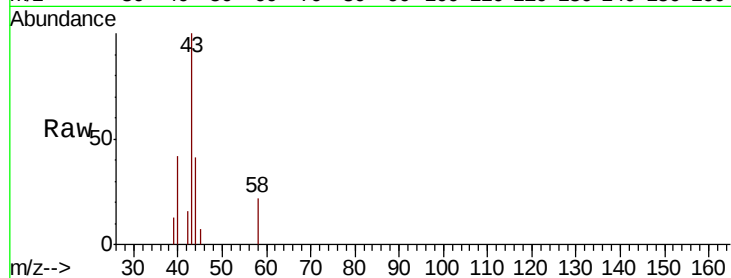
ClientSampleId :

Tot Ion: 43 Resp: 2967

Ion Ratio Lower Upper

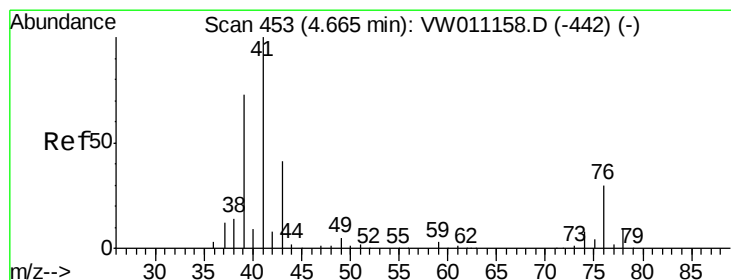
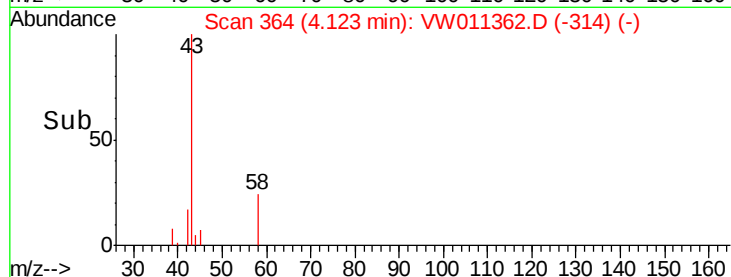
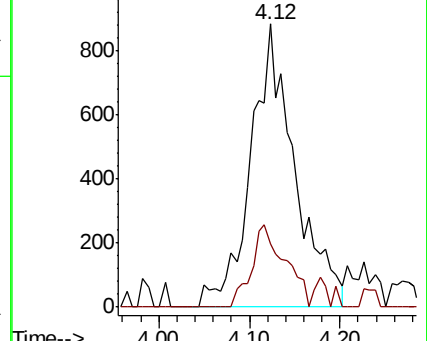
43 100

58 22.2 21.8 32.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#18

Methyl Acetate

Concen: Below Cal

RT: 4.65 min Scan# 451

Delta R.T. -0.01 min

Lab File: VW011362.D

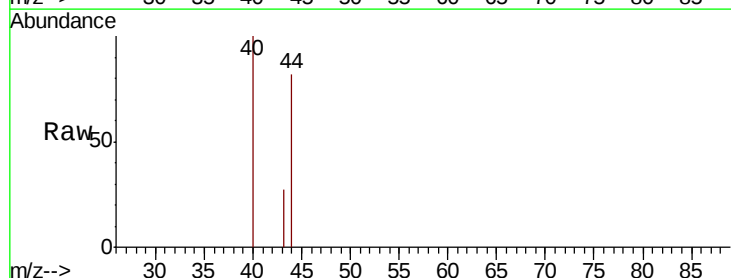
Acq: 19 Jul 2019 05:13

Tgt Ion: 43 Resp: 182

Ion Ratio Lower Upper

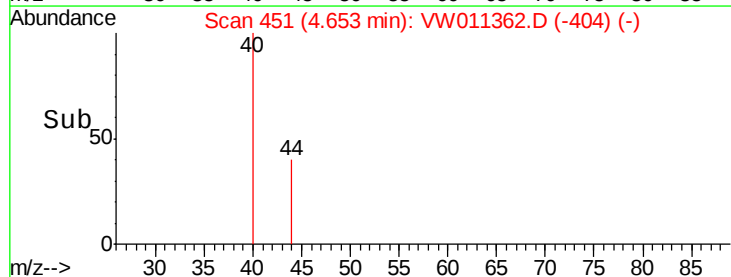
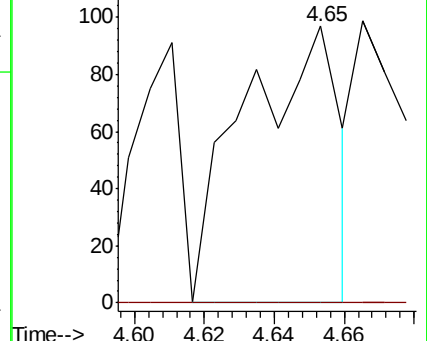
43 100

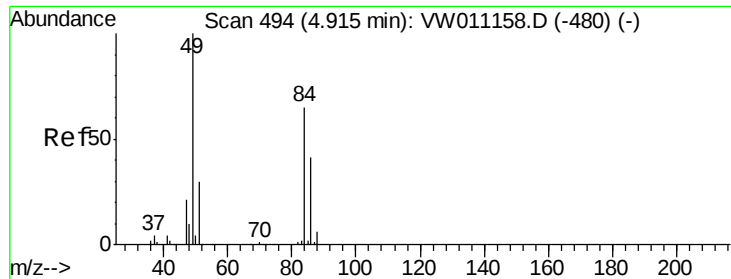
74 0.0 15.7 23.5#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

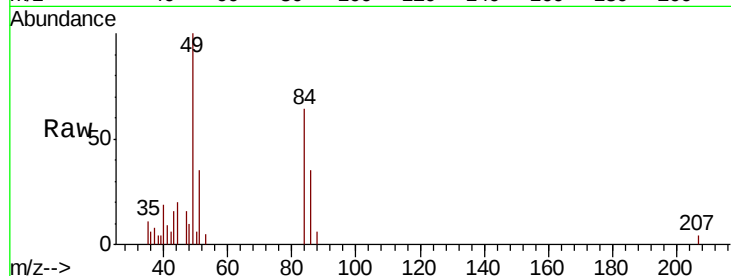




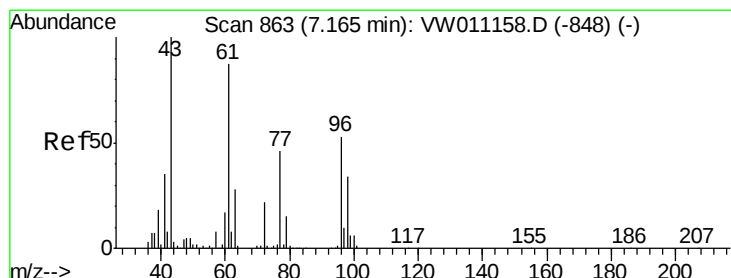
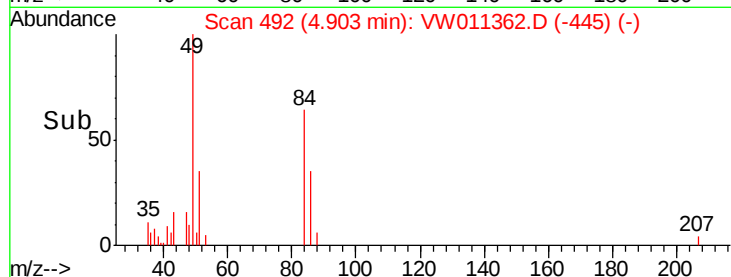
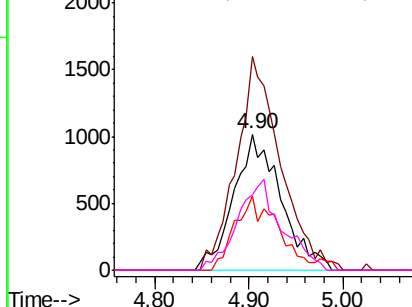
#20
Methvlene Chloride
Concen: 1.485 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.01 min
Lab File: VW011362.D
Acq: 19 Jul 2019 05:13

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 84 Resp: 3548
Ion Ratio Lower Upper
84 100
49 156.7 123.8 185.6
51 54.9 37.4 56.2
86 55.5 51.1 76.7

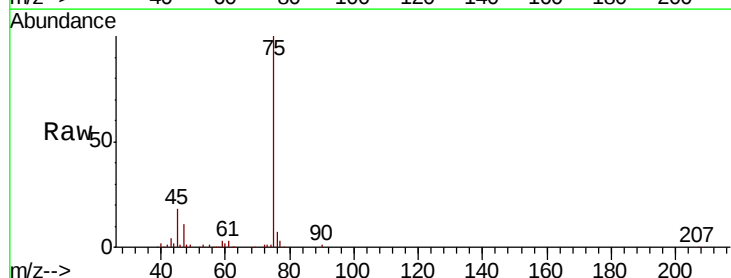


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

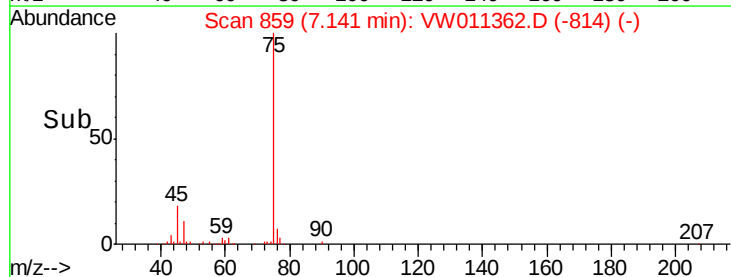
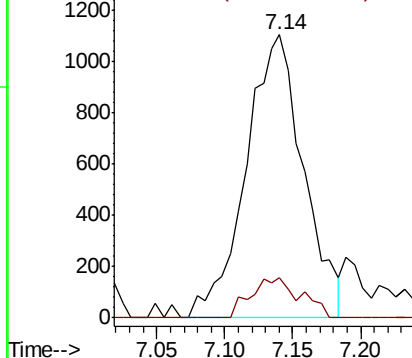


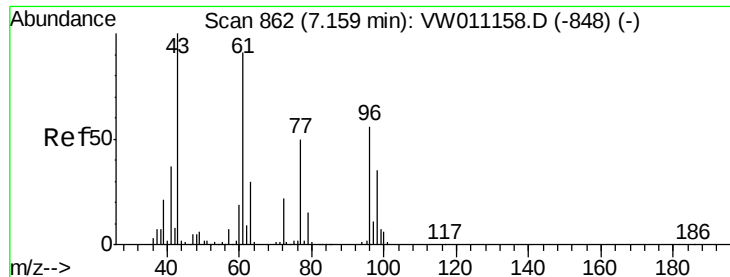
#25
2-Butanone
Concen: 3.441 ug/l
RT: 7.14 min Scan# 859
Delta R.T. -0.02 min
Lab File: VW011362.D
Acq: 19 Jul 2019 05:13

Tgt Ion: 43 Resp: 3271
Ion Ratio Lower Upper
43 100
72 14.1 17.6 26.4#



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW

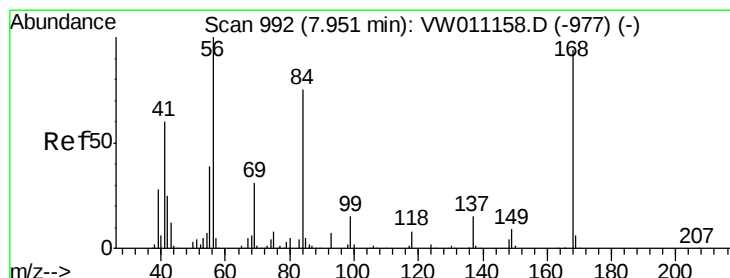
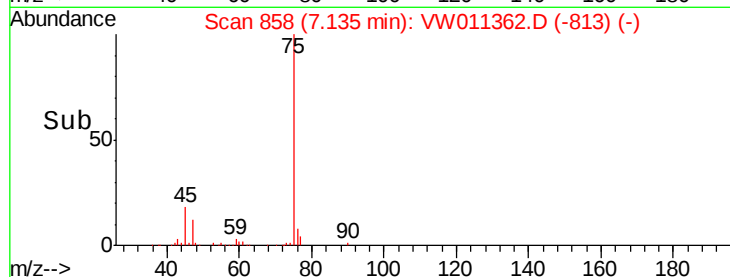
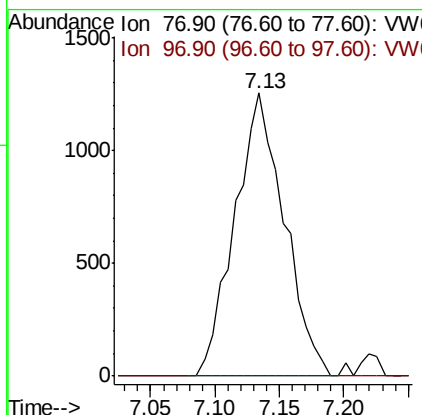
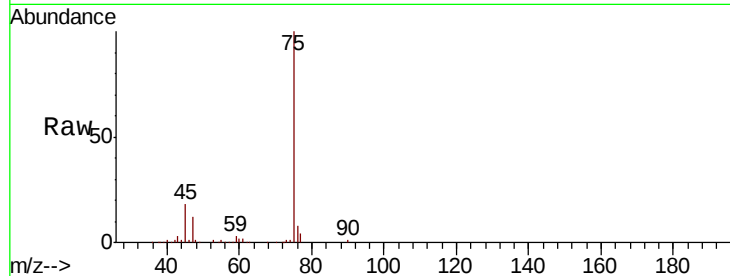




#26
 2,2-Dichloropropane
 Concen: 1.405 ug/l
 RT: 7.13 min Scan# 858
 Delta R.T. -0.02 min
 Lab File: VW011362.D
 Acq: 19 Jul 2019 05:13

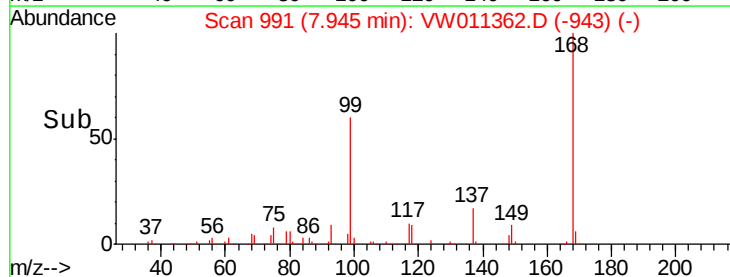
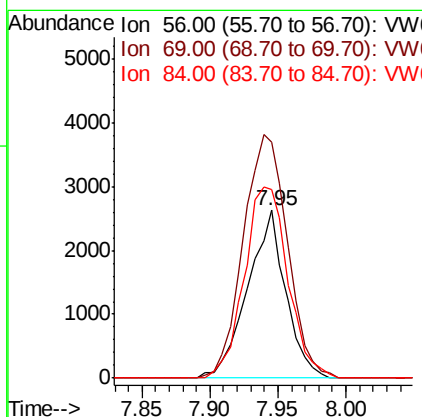
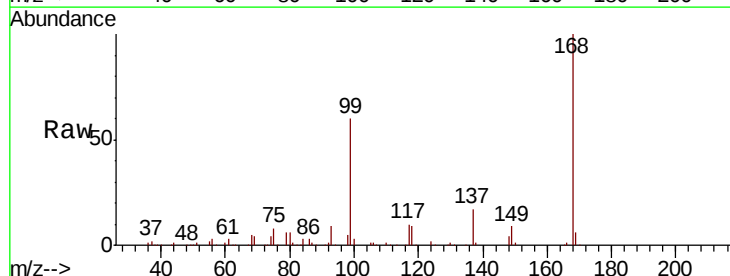
Instrument :
 MSVOA_W
 ClientSampled :

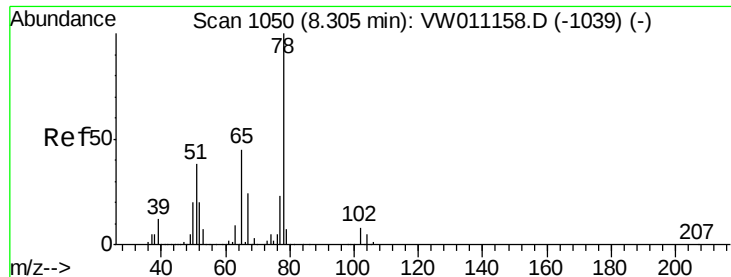
Tot Ion: 77 Resp: 3346
 Ion Ratio Lower Upper
 77 100
 97 0.0 11.2 33.5#



#31
 Cyclohexane
 Concen: 1.056 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.01 min
 Lab File: VW011362.D
 Acq: 19 Jul 2019 05:13

Tgt Ion: 56 Resp: 5147
 Ion Ratio Lower Upper
 56 100
 69 140.5 24.6 36.8#
 84 112.3 60.1 90.1#





#33

1,2-Dichloroethane-d4

Concen: 57.350 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW011362.D

Acq: 19 Jul 2019 05:13

Instrument :

MSVOA_W

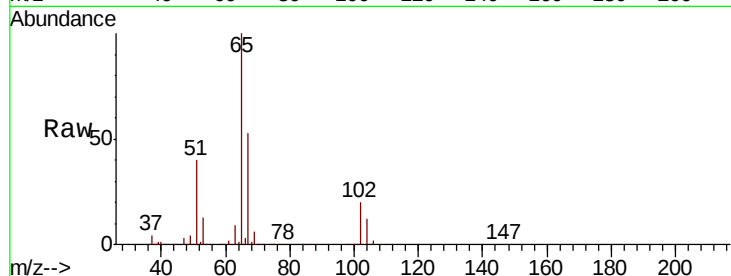
ClientSampleId :

Tot Ion: 65 Resp: 144332

Ion Ratio Lower Upper

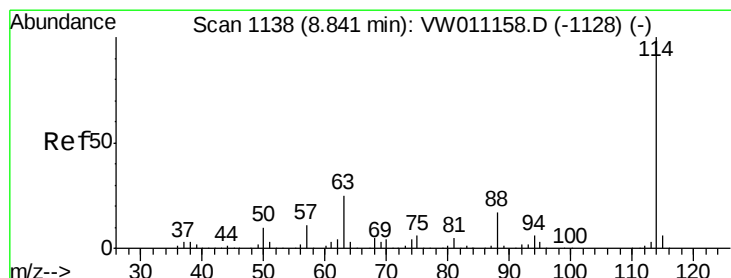
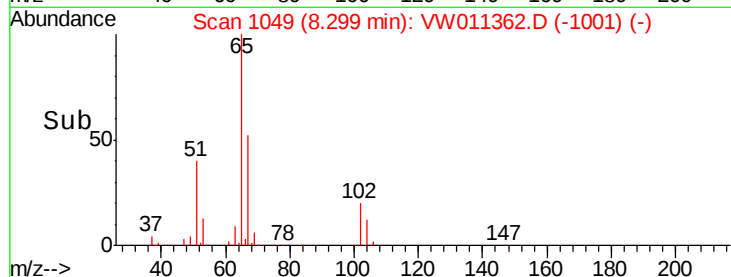
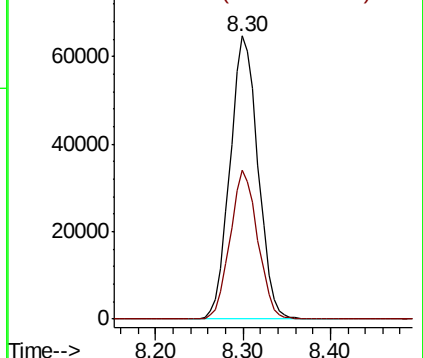
65 100

67 51.9 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# 1137

Delta R.T. -0.01 min

Lab File: VW011362.D

Acq: 19 Jul 2019 05:13

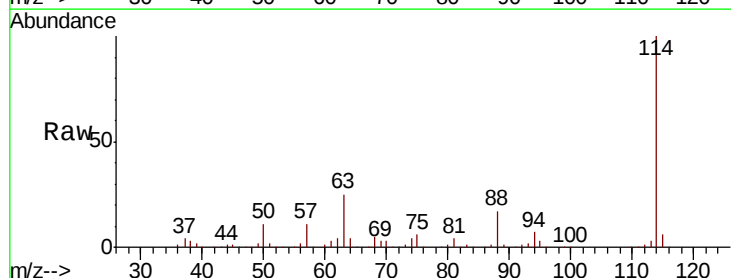
Tgt Ion: 114 Resp: 346582

Ion Ratio Lower Upper

114 100

63 24.8 0.0 50.8

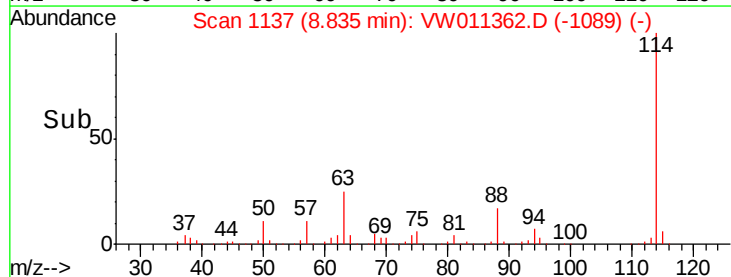
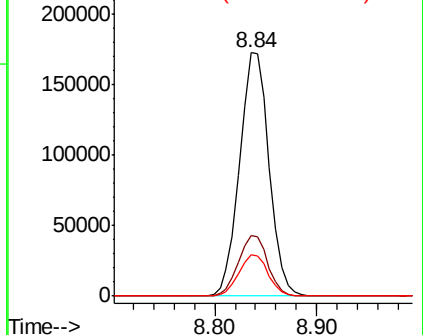
88 17.2 0.0 34.2

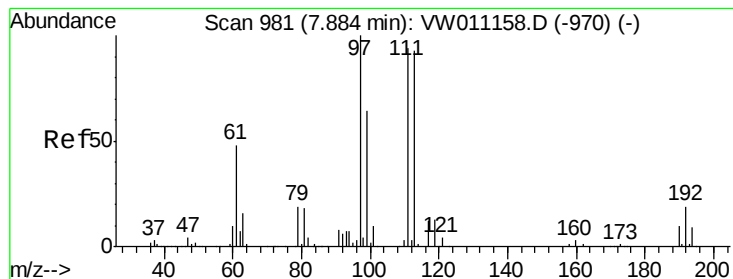


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW





#35

Dibromofluoromethane

Concen: 53.376 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW011362.D

Acq: 19 Jul 2019 05:13

Instrument :

MSVOA_W

ClientSampleId :

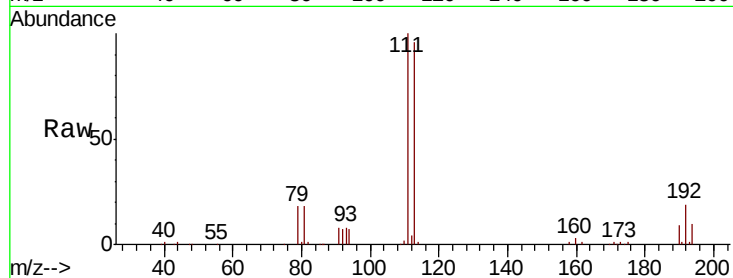
Tot Ion:113 Resp: 110264

Ion Ratio Lower Upper

113 100

111 103.7 82.4 123.6

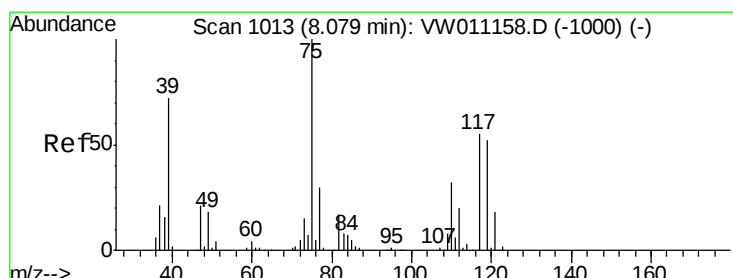
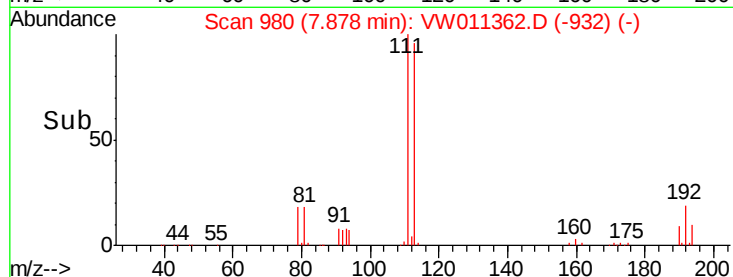
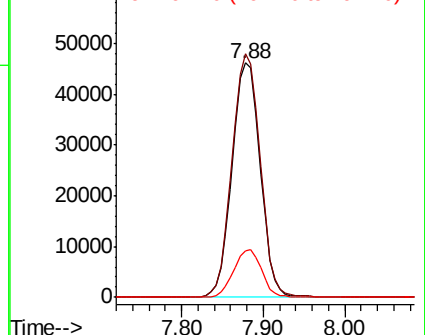
192 20.0 15.8 23.8



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: 4.843 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.14 min

Lab File: VW011362.D

Acq: 19 Jul 2019 05:13

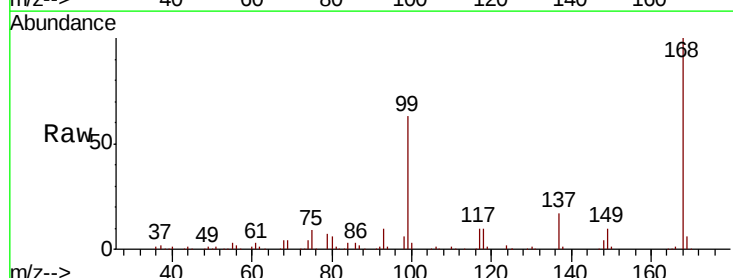
Tgt Ion: 75 Resp: 17875

Ion Ratio Lower Upper

75 100

110 8.9 15.9 47.6#

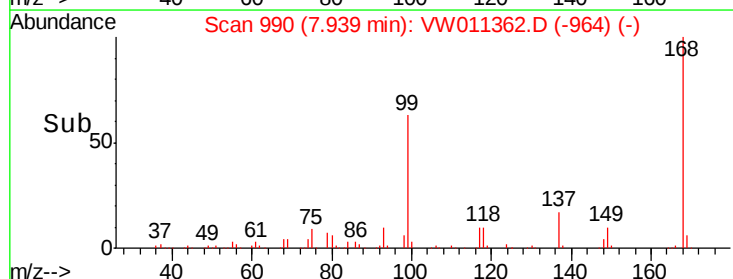
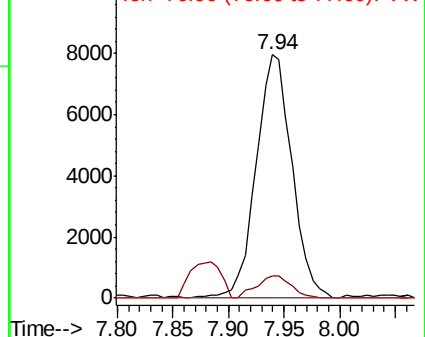
77 0.0 24.6 36.8#

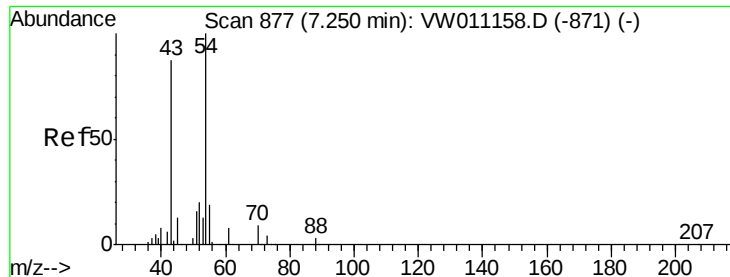


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

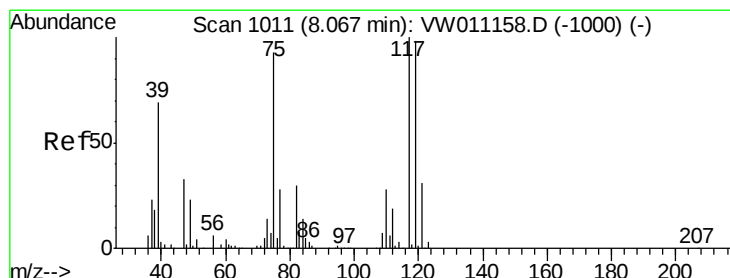
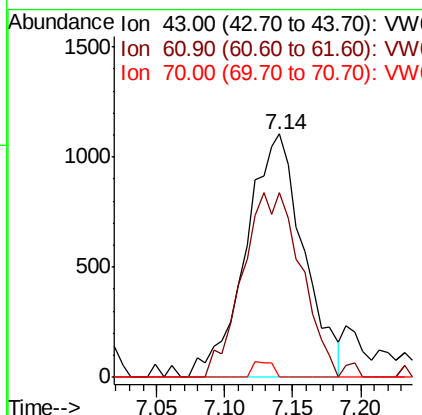
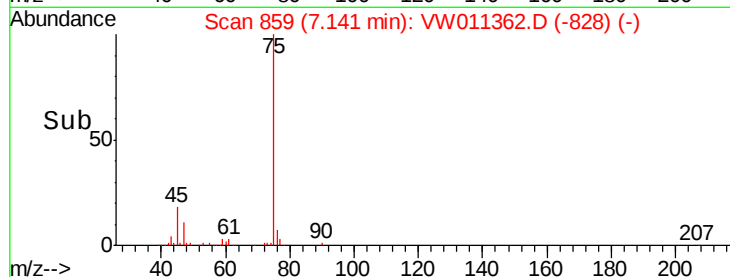
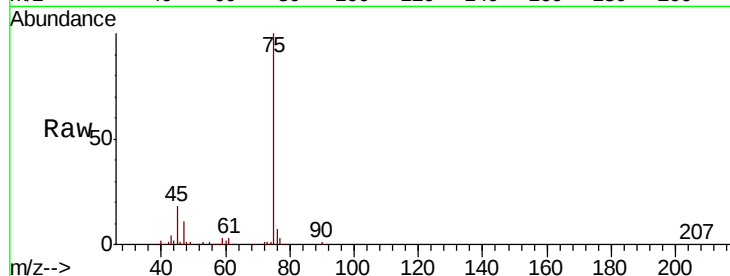




#37
Ethyl Acetate
Concen: 1.475 ug/l
RT: 7.14 min Scan# 859
Delta R.T. -0.11 min
Lab File: VW011362.D
Acq: 19 Jul 2019 05:13

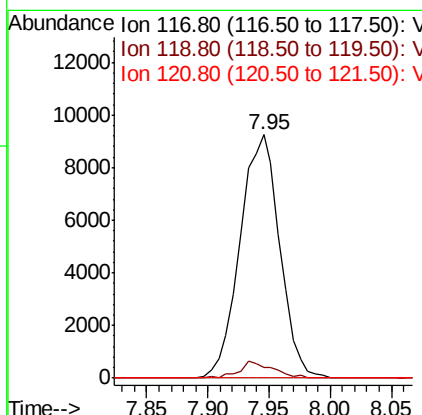
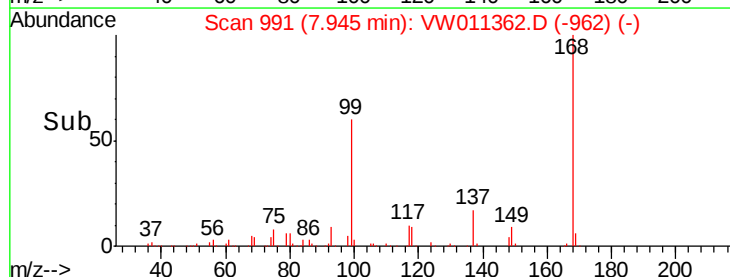
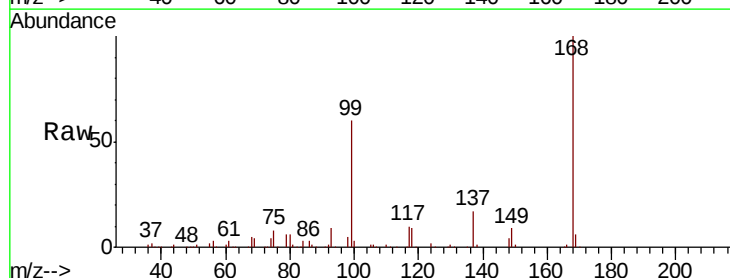
Instrument :
MSVOA_W
ClientSampled :

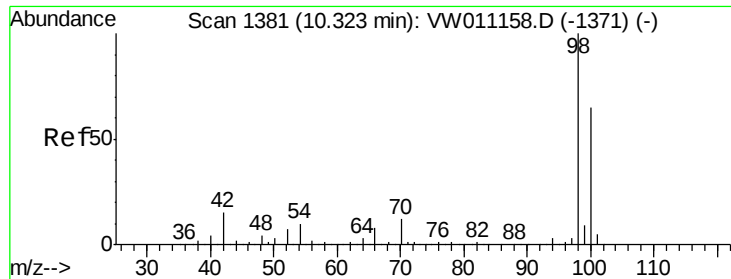
Tot Ion: 43 Resp: 3271
Ion Ratio Lower Upper
43 100
61 76.8 9.5 14.3#
70 2.3 7.1 10.7#



#38
Carbon Tetrachloride
Concen: 6.655 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW011362.D
Acq: 19 Jul 2019 05:13

Tgt Ion: 117 Resp: 20821
Ion Ratio Lower Upper
117 100
119 4.6 78.1 117.1#
121 0.0 25.1 37.7#





#50

Toluene-d8

Concen: 52.398 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW011362.D

Acq: 19 Jul 2019 05:13

Instrument :

MSVOA_W

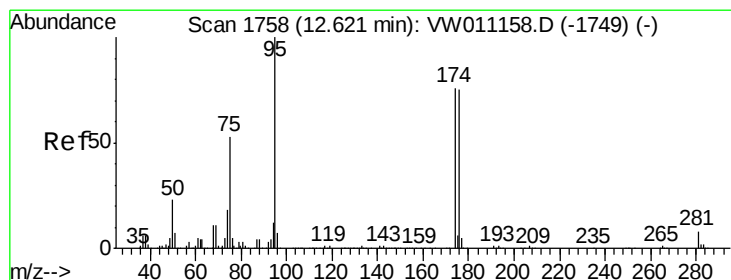
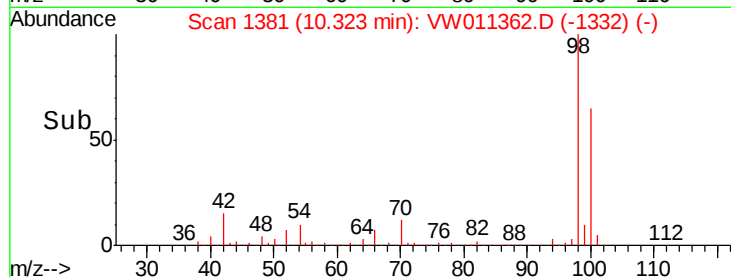
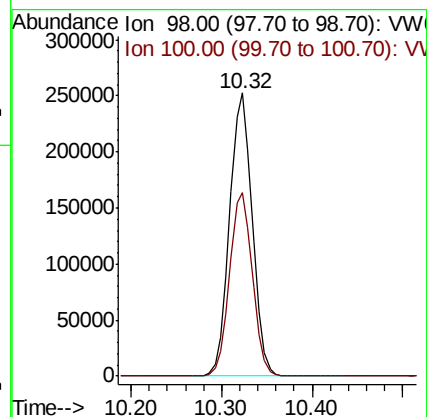
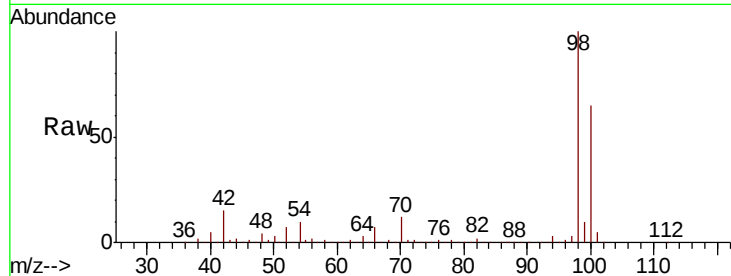
ClientSampled :

Tot Ion: 98 Resp: 437536

Ion Ratio Lower Upper

98 100

100 65.3 52.4 78.6



#62

4-Bromofluorobenzene

Concen: 44.599 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.01 min

Lab File: VW011362.D

Acq: 19 Jul 2019 05:13

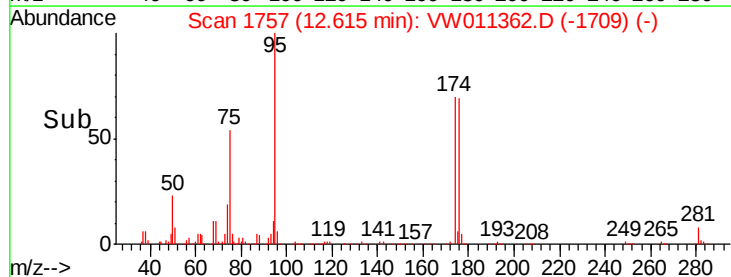
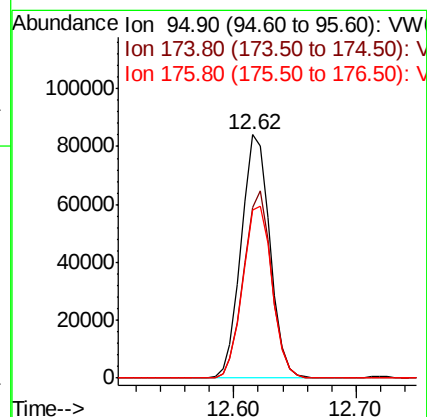
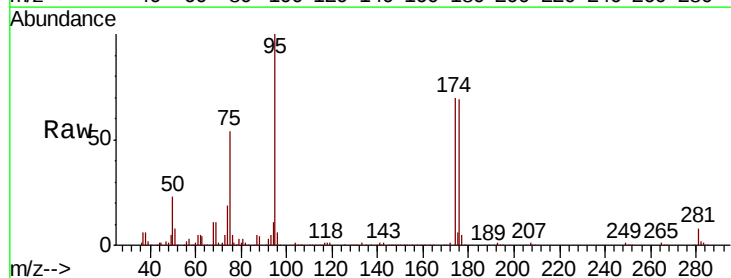
Tgt Ion: 95 Resp: 136501

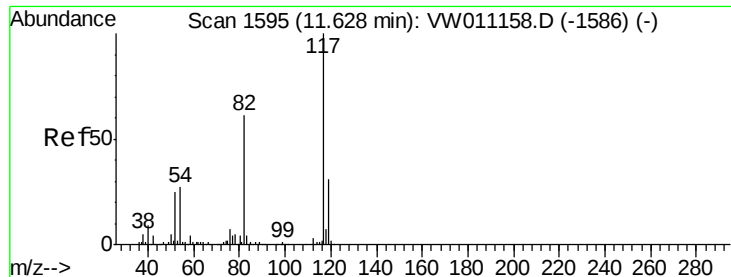
Ion Ratio Lower Upper

95 100

174 75.3 0.0 147.6

176 72.5 0.0 144.6

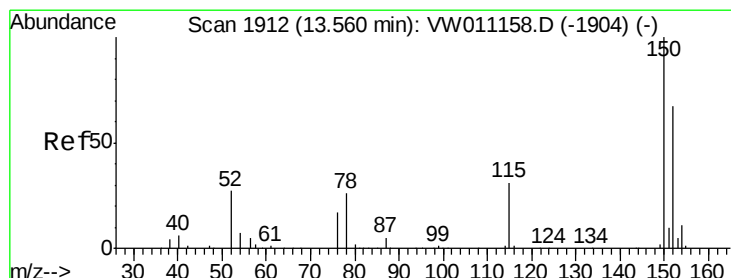
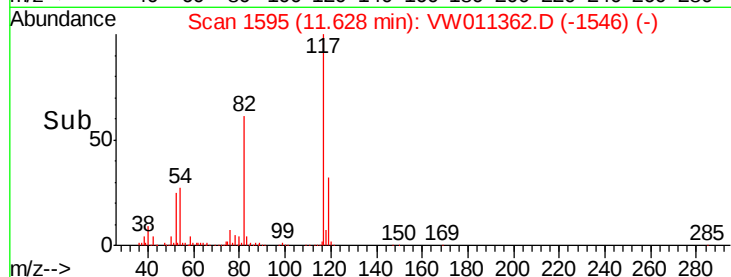
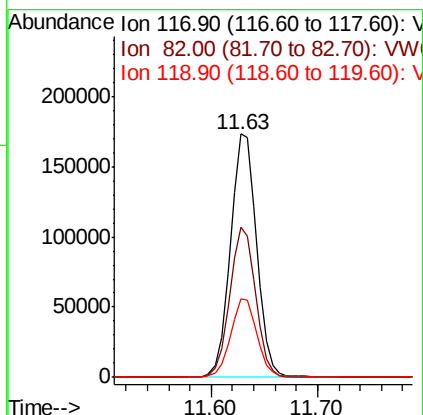
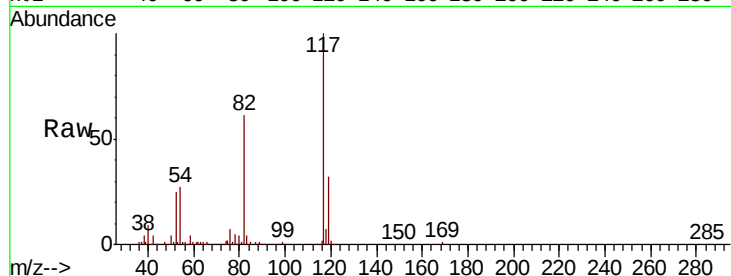




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW011362.D
Acq: 19 Jul 2019 05:13

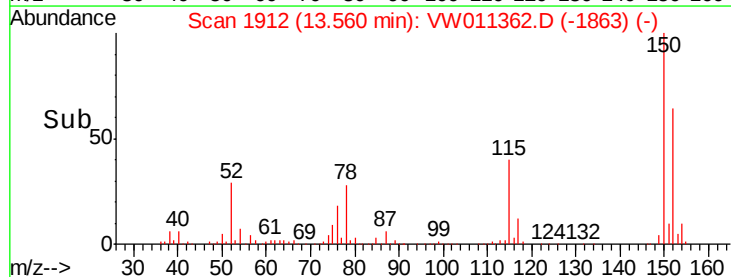
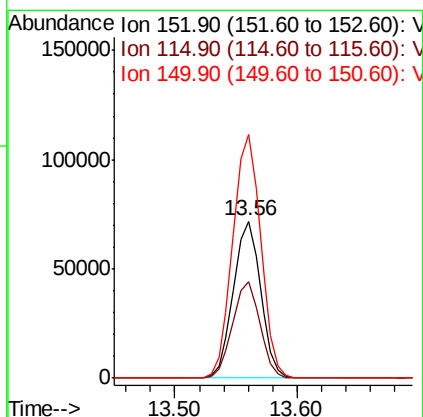
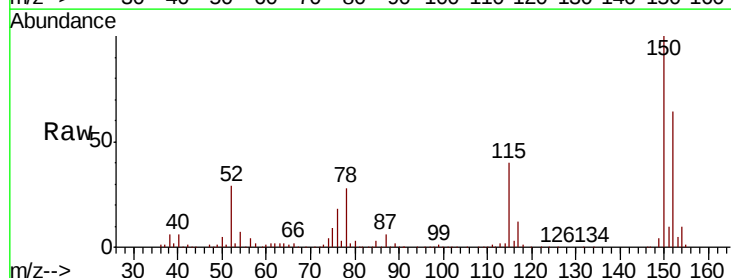
Instrument :
MSVOA_W
ClientSampleId :

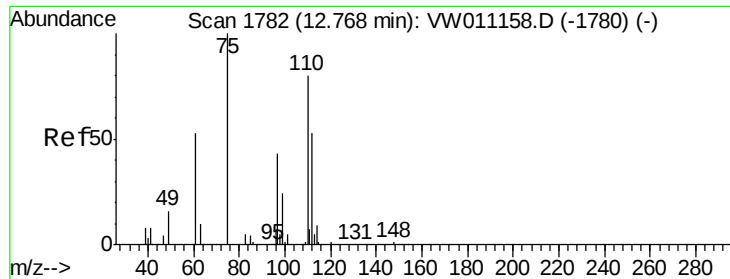
Tot Ion	Ratio	Lower	Upper
117	100		
82	61.5	48.9	73.3
119	32.0	25.0	37.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW011362.D
Acq: 19 Jul 2019 05:13

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.6	30.1	90.3
150	158.5	0.0	346.0

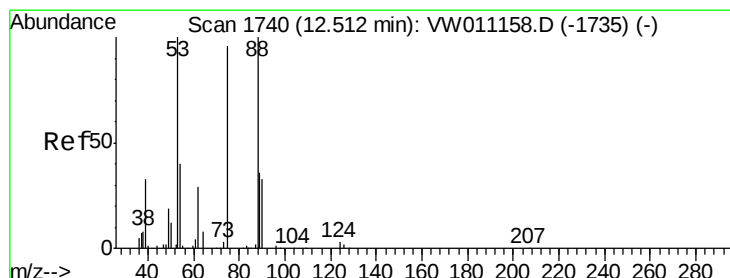
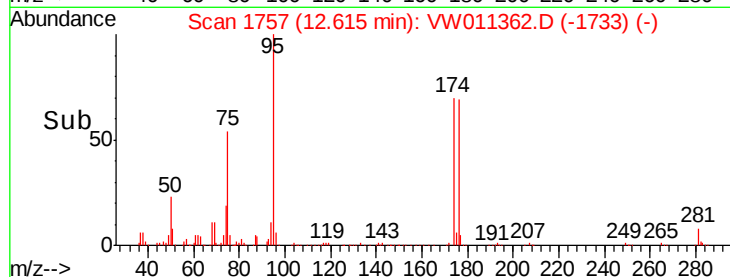
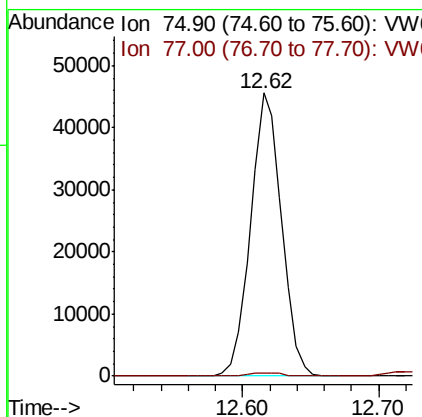
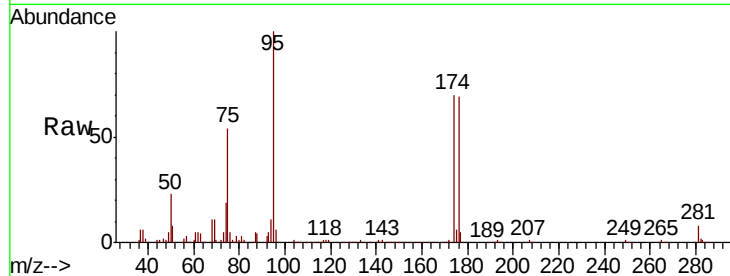




#76
 1,2,3-Trichloropropane
 Concen: 56.562 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.15 min
 Lab File: VW011362.D
 Acq: 19 Jul 2019 05:13

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion: 75 Resp: 72740
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 127.932 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW011362.D
 Acq: 19 Jul 2019 05:13

Tgt Ion: 75 Resp: 72740
 Ion Ratio Lower Upper
 75 100
 53 0.0 89.8 134.6#
 89 0.0 34.3 51.5#

