

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071819\
 Data File : VW011363.D
 Acq On : 19 Jul 2019 05:39
 Operator : SY/VA
 Sample : K3835-24
 Misc : 6.83G/5ML/MSVOA W/SOIL
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 19 06:51:13 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	7.94	168	200776	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	346327	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	316183	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	131036	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	147748	58.56	ug/l	0.00
Spiked Amount			Recovery	=	117.12%	
35) Dibromofluoromethane	7.88	113	110963	53.75	ug/l	0.00
Spiked Amount			Recovery	=	107.50%	
50) Toluene-d8	10.32	98	447975	53.69	ug/l	0.00
Spiked Amount			Recovery	=	107.38%	
62) 4-Bromofluorobenzene	12.62	95	152022	49.71	ug/l	0.00
Spiked Amount			Recovery	=	99.42%	

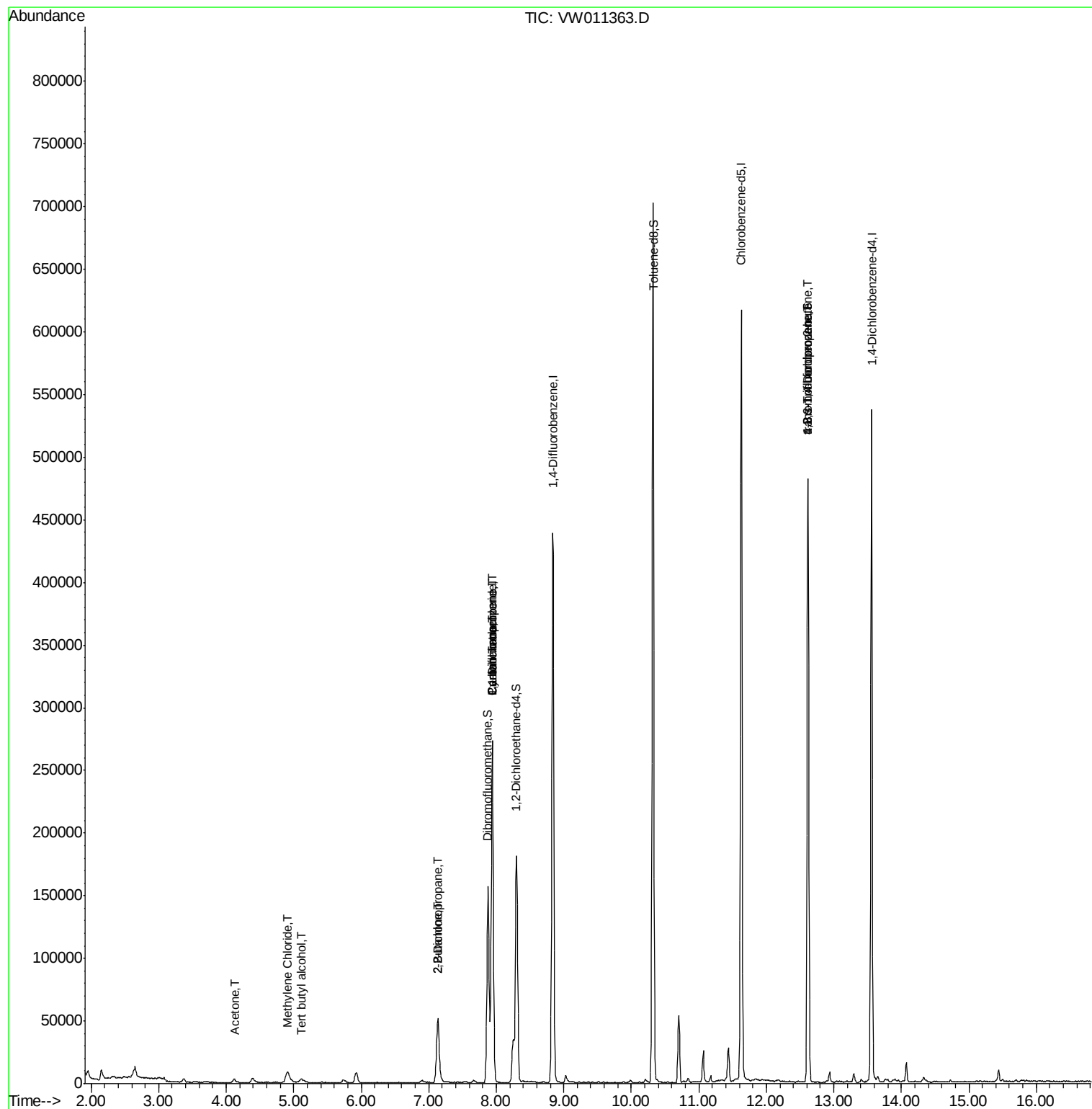
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.12	59	4120	22.058	ug/l #	72
16) Acetone	4.12	43	5563	9.164	ug/l	92
18) Methyl Acetate	4.66	43	159	Below Cal	#	57
20) Methylene Chloride	4.91	84	6281	2.623	ug/l	98
25) 2-Butanone	7.13	43	3325	3.489	ug/l #	85
26) 2,2-Dichloropropane	7.13	77	3621	1.516	ug/l #	53
31) Cyclohexane	7.95	56	4983	1.020	ug/l #	1
36) 1,1-Dichloropropene	7.94	75	18052	4.895	ug/l #	50
38) Carbon Tetrachloride	7.94	117	20521	6.564	ug/l #	17
76) 1,2,3-Trichloropropane	12.62	75	81620	53.900	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	81620	121.911	ug/l #	6

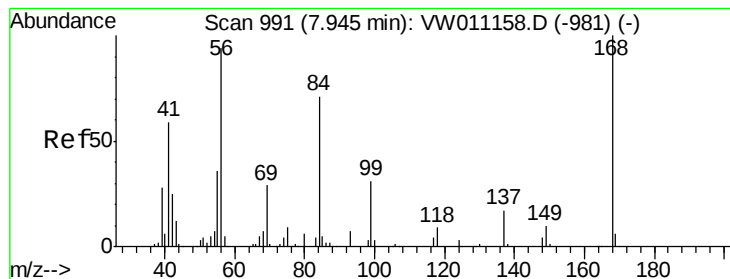
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W070819S.M
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QLast Update : Thu Jul 11 08:14:17 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW011363.D

Acq: 19 Jul 2019 05:39

Instrument :

MSVOA_W

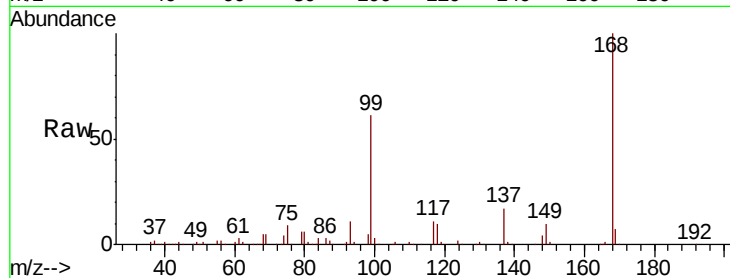
ClientSampleId :

Tot Ion:168 Resp: 200776

Ion Ratio Lower Upper

168 100

99 61.2 50.1 75.1



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.94

100000

80000

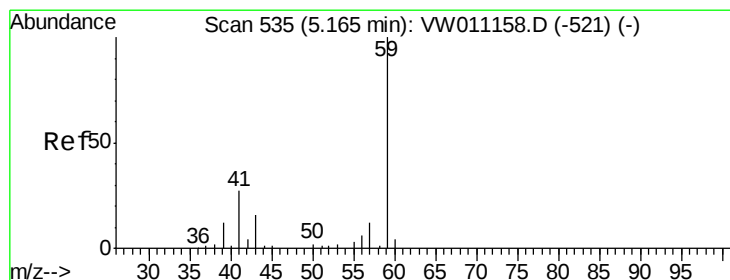
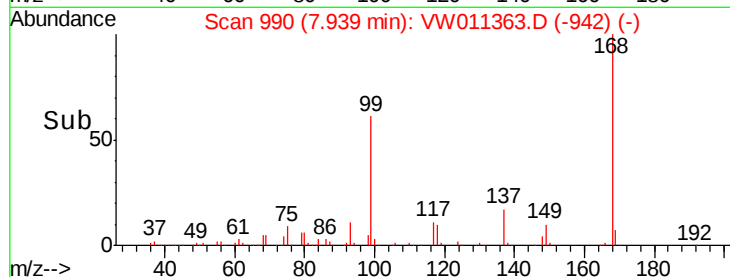
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: 22.058 ug/l

RT: 5.12 min Scan# 527

Delta R.T. -0.05 min

Lab File: VW011363.D

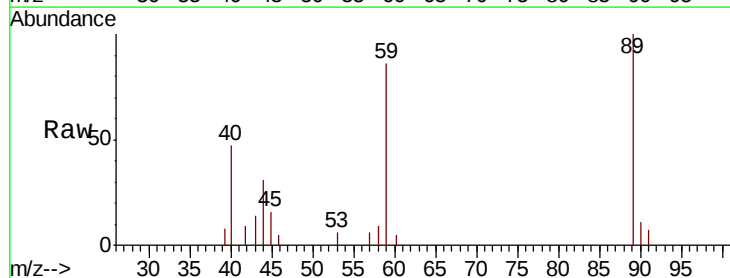
Acq: 19 Jul 2019 05:39

Tgt Ion: 59 Resp: 4120

Ion Ratio Lower Upper

59 100

57 0.6 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

1000

800

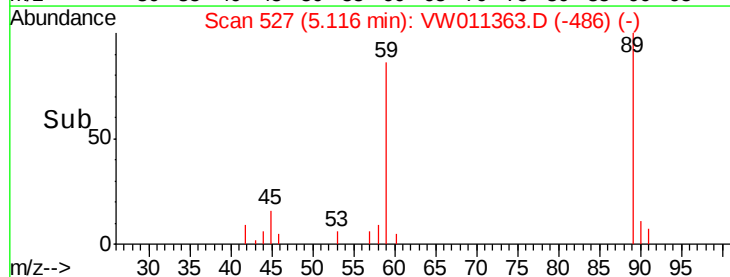
600

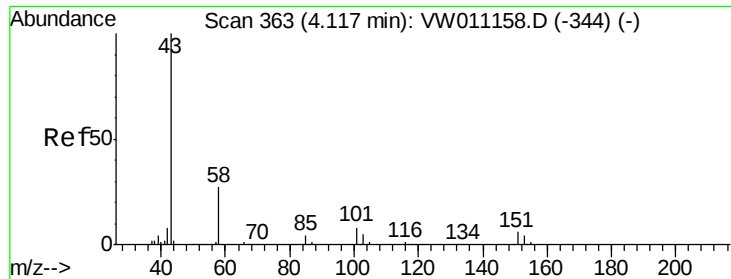
400

200

0

Time--> 5.00 5.10 5.20





#16

Acetone

Concen: 9.164 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW011363.D

Acq: 19 Jul 2019 05:39

Instrument :

MSVOA_W

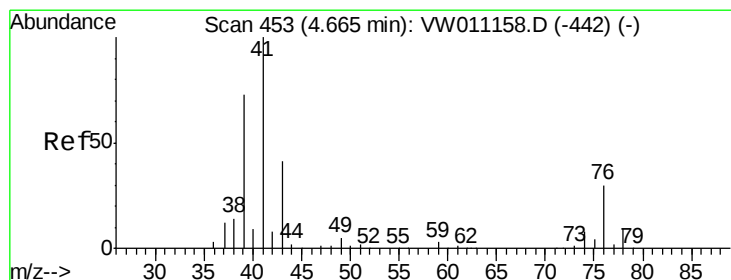
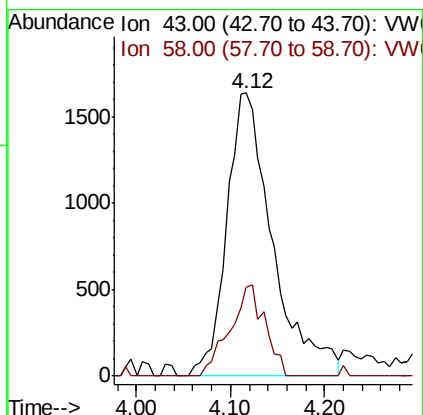
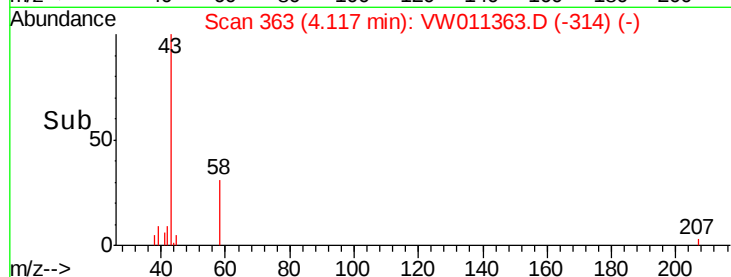
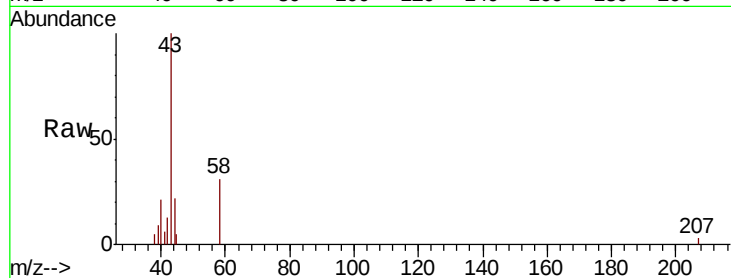
ClientSampleId :

Tot Ion: 43 Resp: 5563

Ion Ratio Lower Upper

43 100

58 31.2 21.8 32.6



#18

Methyl Acetate

Concen: Below Cal

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW011363.D

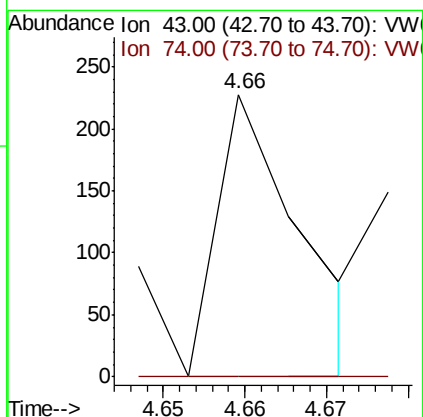
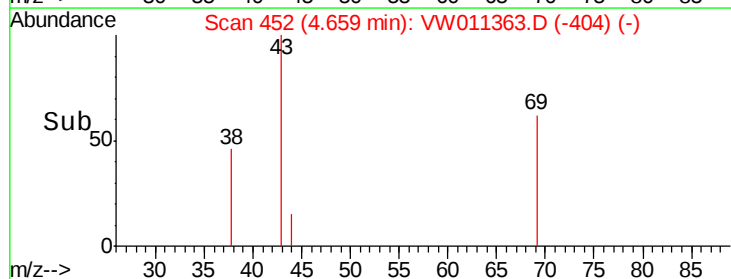
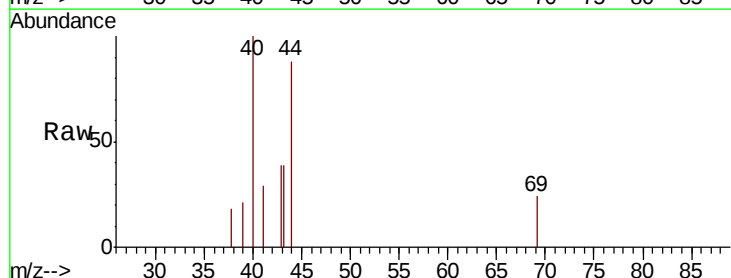
Acq: 19 Jul 2019 05:39

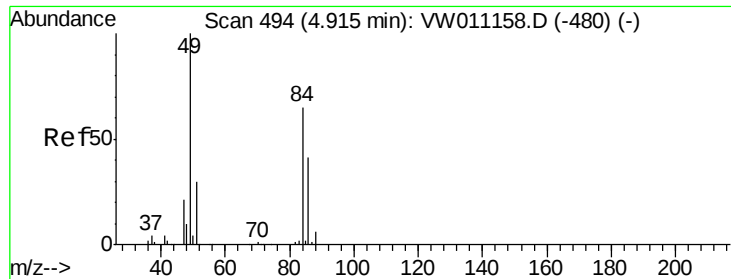
Tgt Ion: 43 Resp: 159

Ion Ratio Lower Upper

43 100

74 0.0 15.7 23.5#

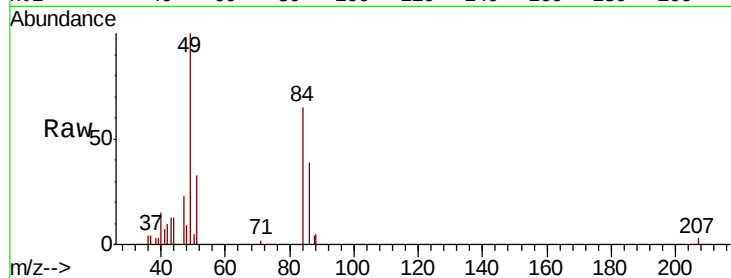




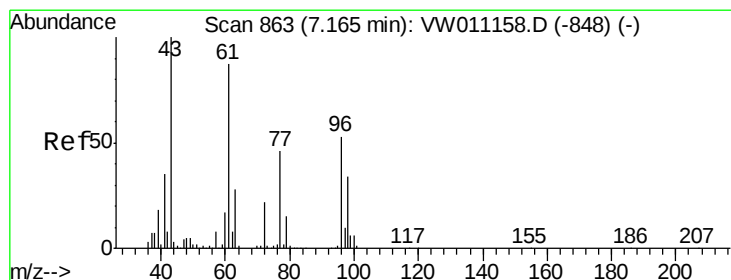
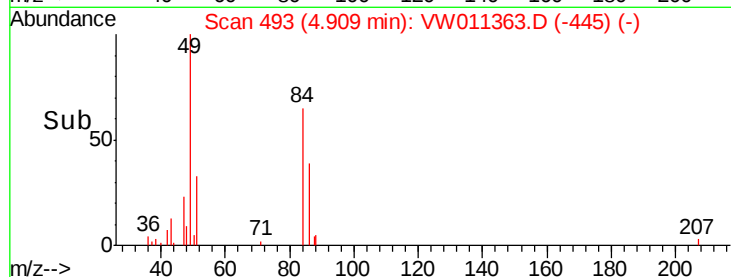
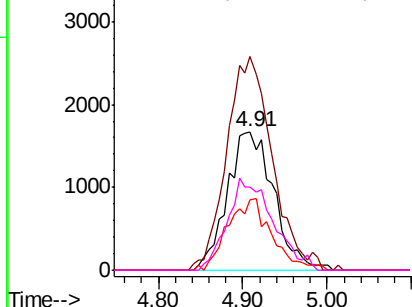
#20
Methvlene Chloride
Concen: 2.623 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW011363.D
Acq: 19 Jul 2019 05:39

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 84 Resp: 6281
Ion Ratio Lower Upper
84 100
49 154.3 123.8 185.6
51 50.4 37.4 56.2
86 60.1 51.1 76.7

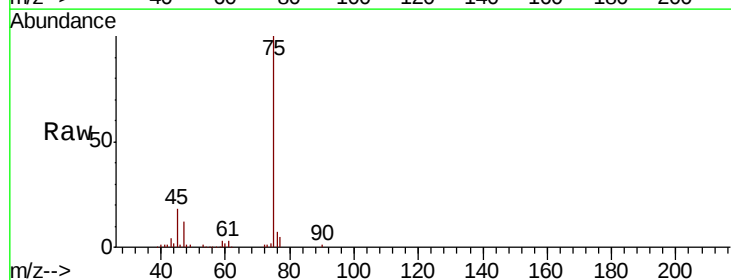


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

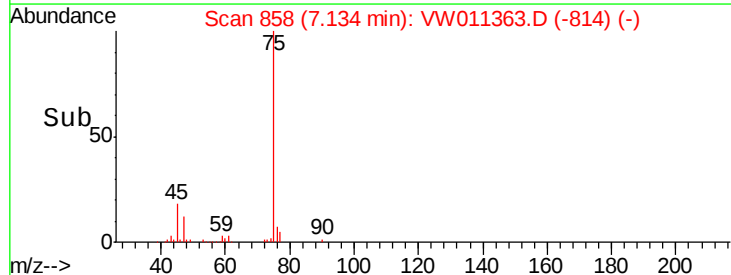
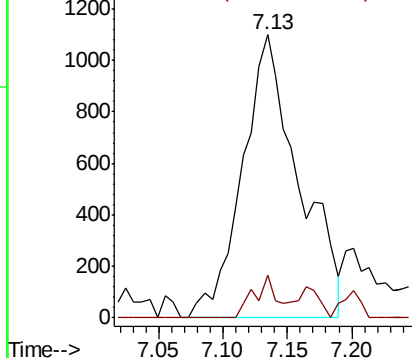


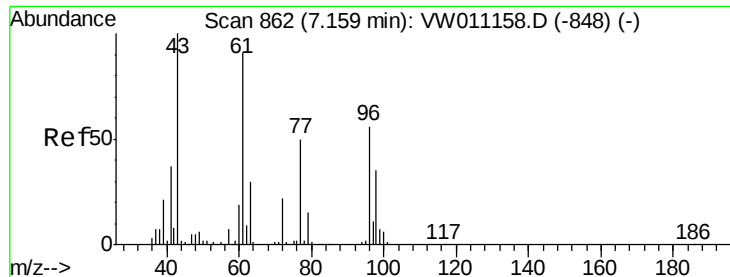
#25
2-Butanone
Concen: 3.489 ug/l
RT: 7.13 min Scan# 858
Delta R.T. -0.03 min
Lab File: VW011363.D
Acq: 19 Jul 2019 05:39

Tgt Ion: 43 Resp: 3325
Ion Ratio Lower Upper
43 100
72 14.9 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: 1.516 ug/l

RT: 7.13 min Scan# 858

Delta R.T. -0.02 min

Lab File: VW011363.D

Acq: 19 Jul 2019 05:39

Instrument :

MSVOA_W

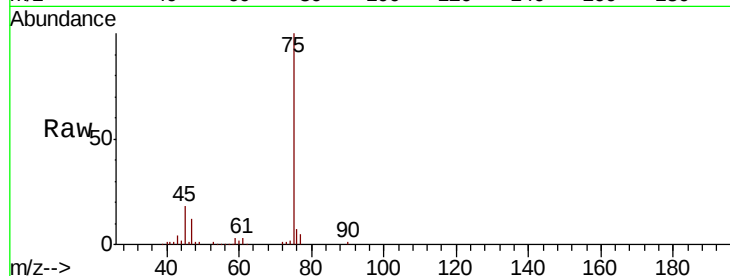
ClientSampleId :

Tot Ion: 77 Resp: 3621

Ion Ratio Lower Upper

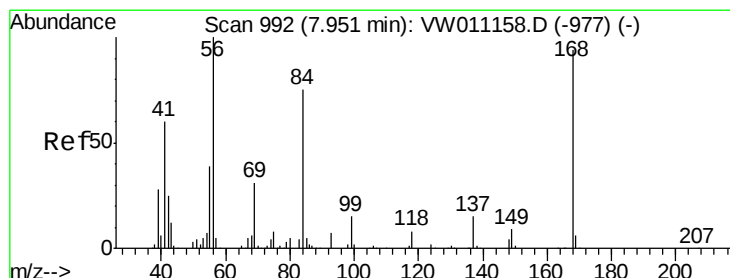
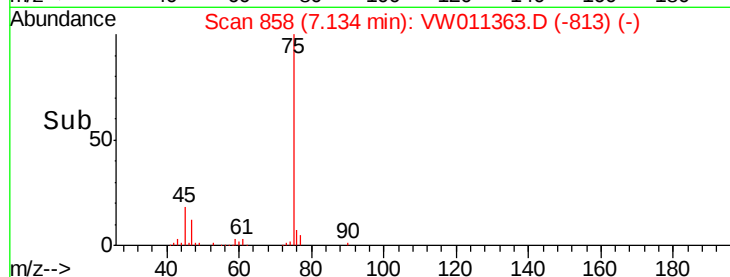
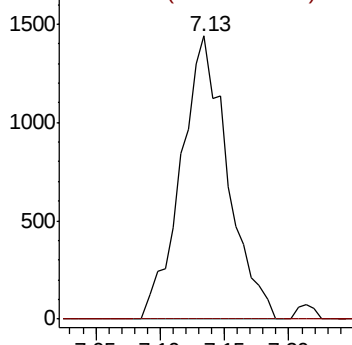
77 100

97 0.0 11.2 33.5#



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW



#31

Cyclohexane

Concen: 1.020 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW011363.D

Acq: 19 Jul 2019 05:39

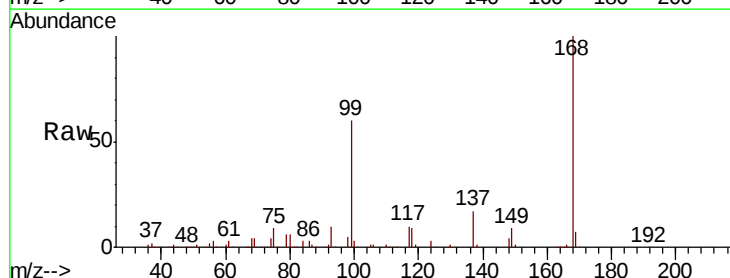
Tgt Ion: 56 Resp: 4983

Ion Ratio Lower Upper

56 100

69 157.9 24.6 36.8#

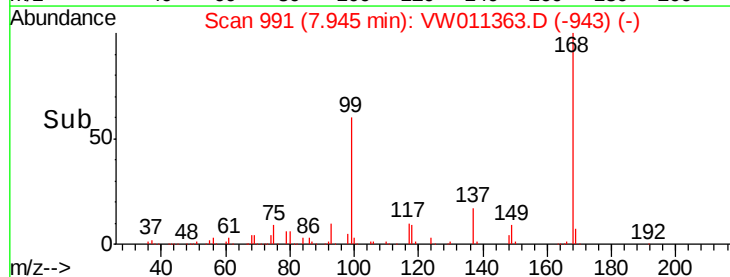
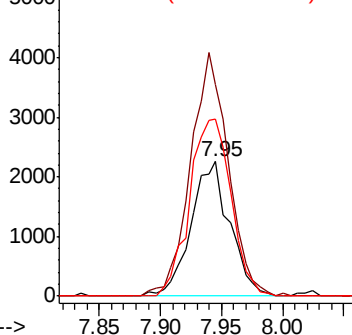
84 131.6 60.1 90.1#

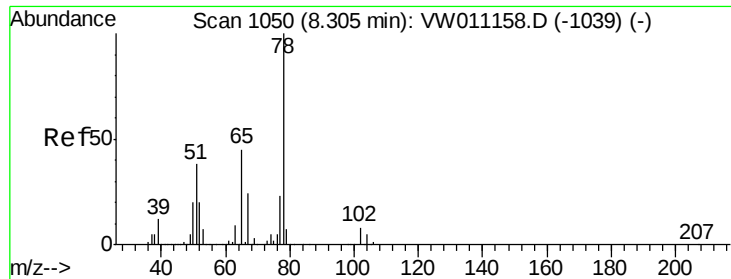


Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW





#33

1,2-Dichloroethane-d4

Concen: 58.565 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW011363.D

Acq: 19 Jul 2019 05:39

Instrument :

MSVOA_W

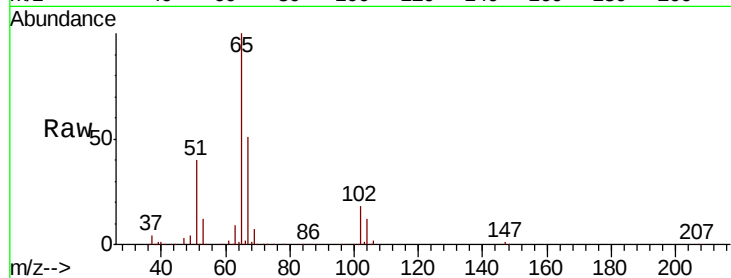
ClientSampleId :

Tot Ion: 65 Resp: 147748

Ion Ratio Lower Upper

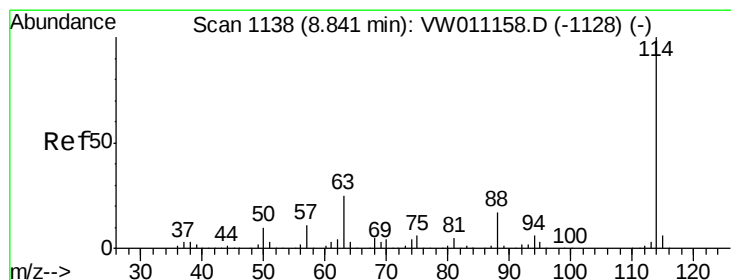
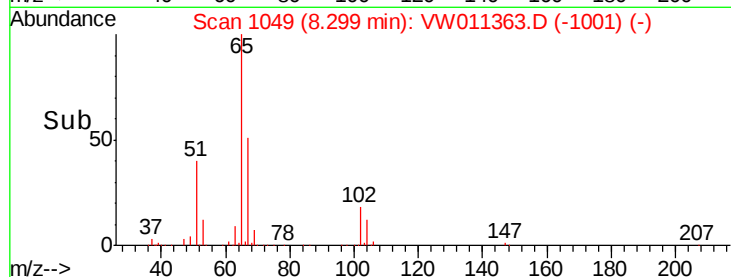
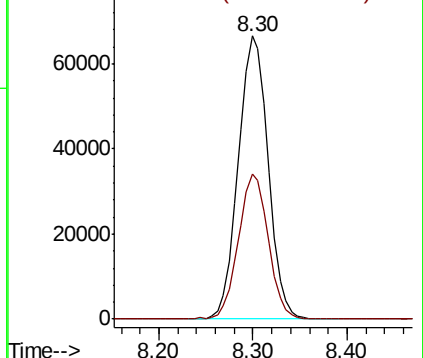
65 100

67 51.3 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: VW011363.D

Acq: 19 Jul 2019 05:39

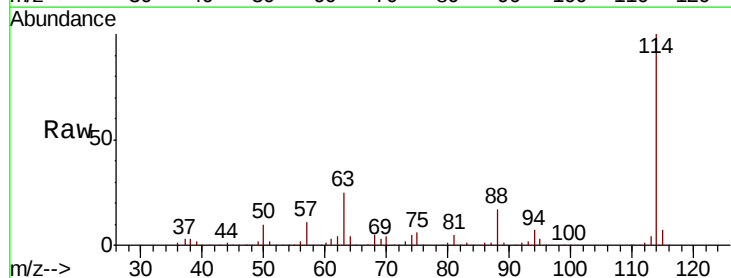
Tgt Ion: 114 Resp: 346327

Ion Ratio Lower Upper

114 100

63 25.3 0.0 50.8

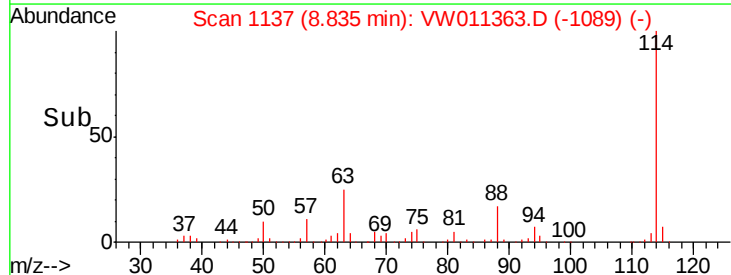
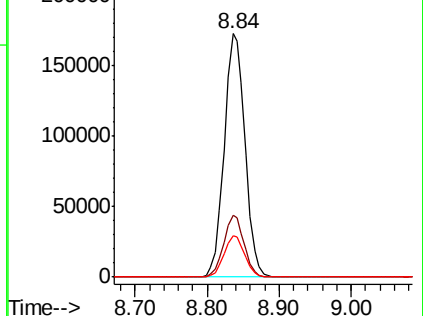
88 16.8 0.0 34.2

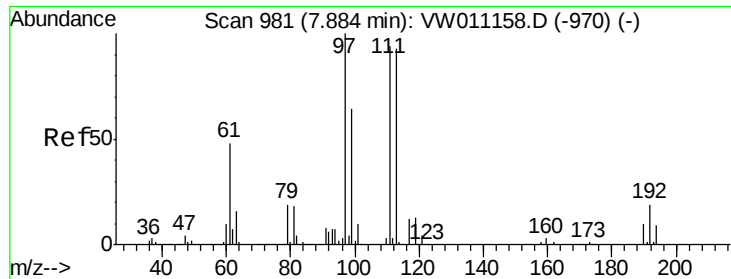


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

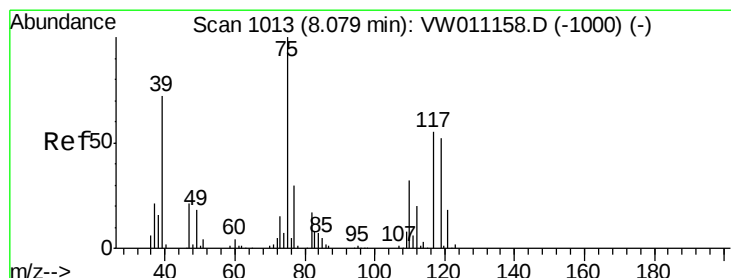
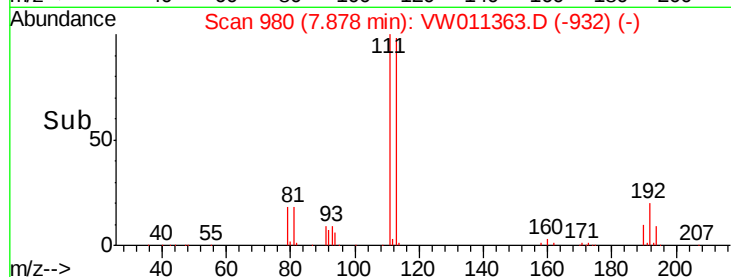
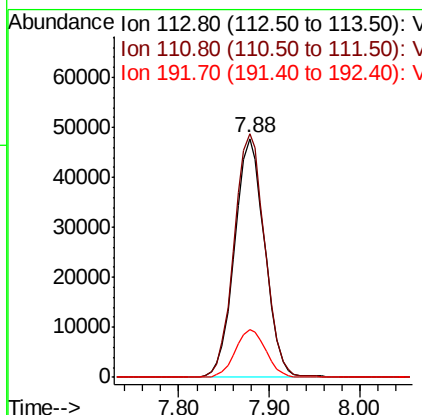
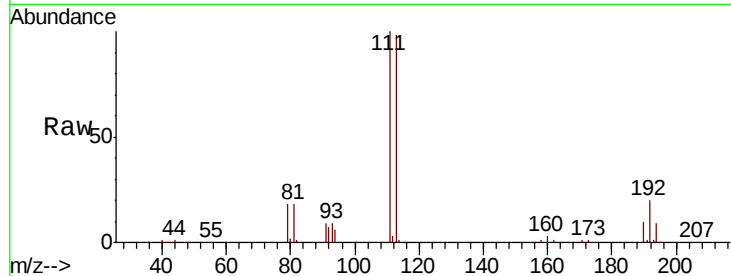




#35
 Dibromofluoromethane
 Concen: 53.754 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW011363.D
 Acq: 19 Jul 2019 05:39

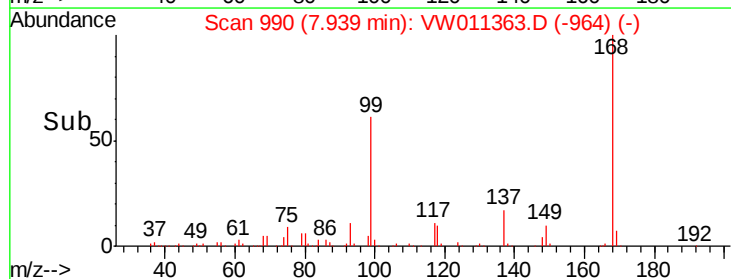
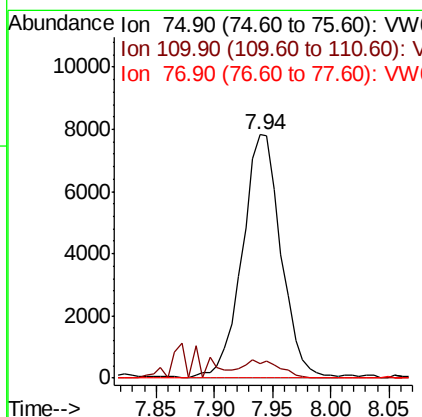
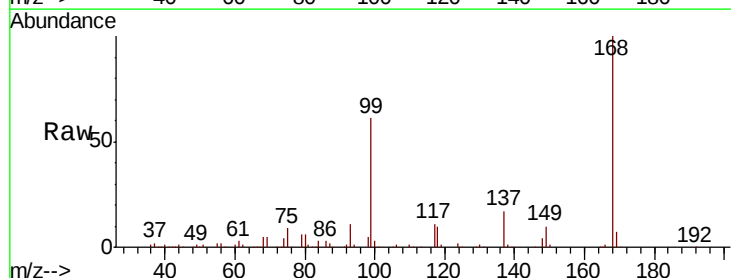
Instrument :
 MSVOA_W
 ClientSampleId :

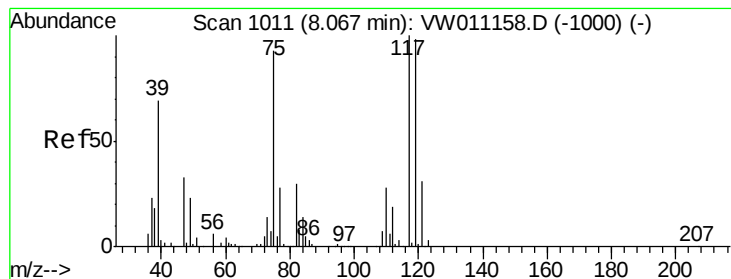
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.9	82.4	123.6
192	20.2	15.8	23.8



#36
 1,1-Dichloropropene
 Concen: 4.895 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW011363.D
 Acq: 19 Jul 2019 05:39

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.0	15.9	47.6#
77	0.0	24.6	36.8#





#38

Carbon Tetrachloride

Concen: 6.564 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.13 min

Lab File: VW011363.D

Acq: 19 Jul 2019 05:39

Instrument :

MSVOA_W

ClientSampleId :

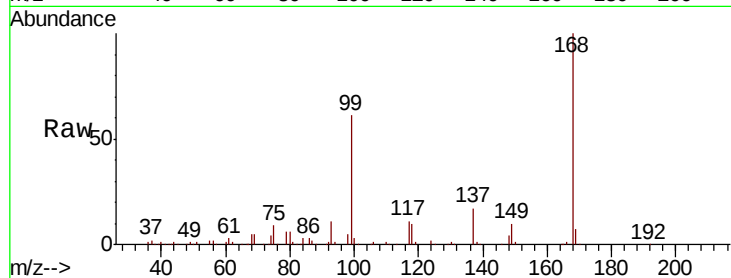
Tot Ion:117 Resp: 20521

Ion Ratio Lower Upper

117 100

119 6.9 78.1 117.1#

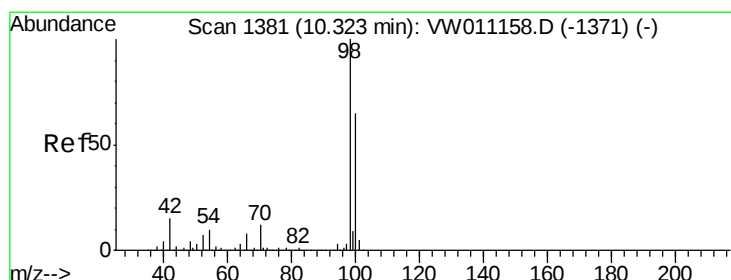
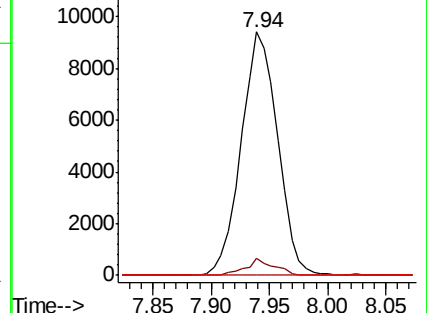
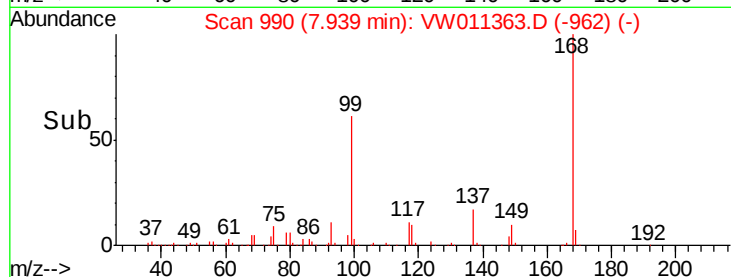
121 0.0 25.1 37.7#



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: 53.688 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW011363.D

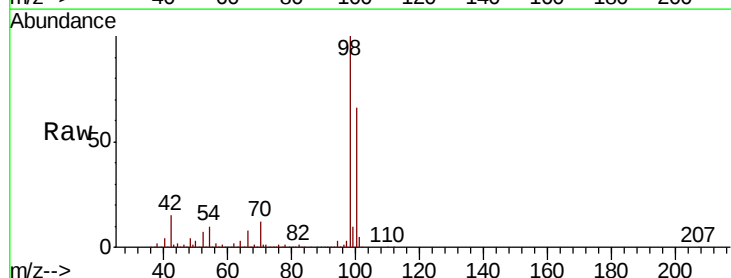
Acq: 19 Jul 2019 05:39

Tgt Ion: 98 Resp: 447975

Ion Ratio Lower Upper

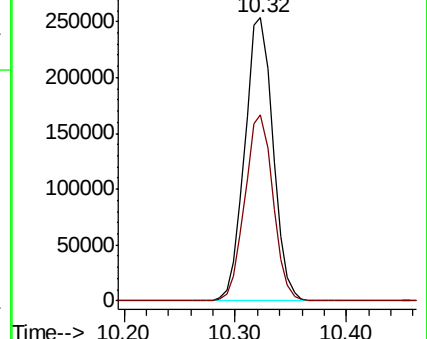
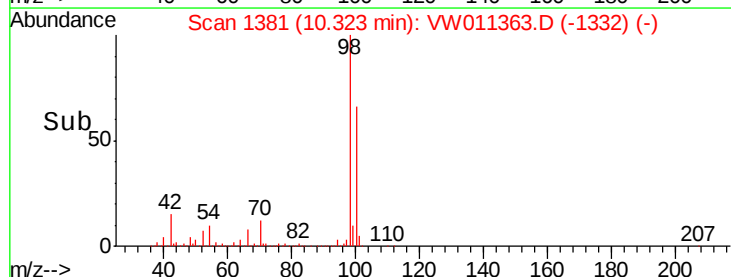
98 100

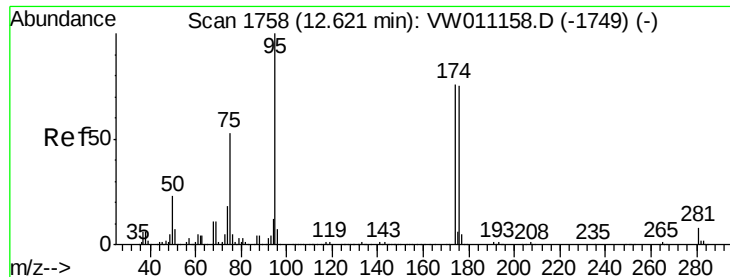
100 65.5 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

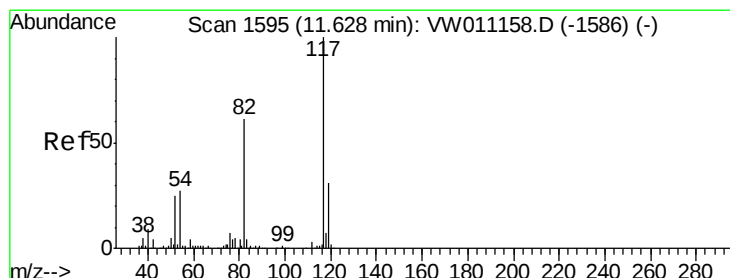
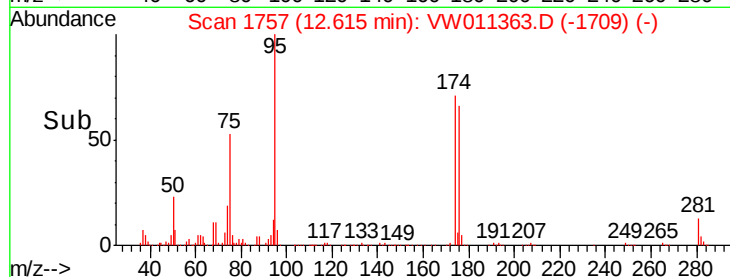
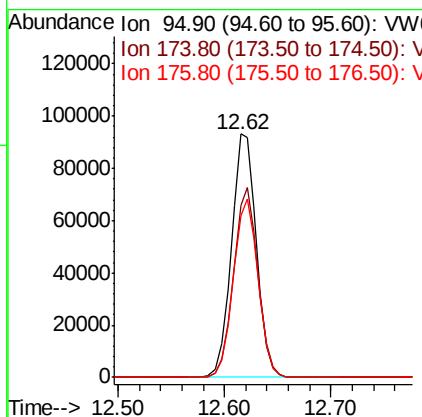
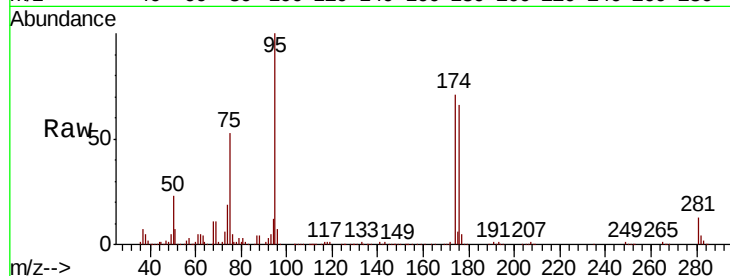




#62
4-Bromofluorobenzene
Concen: 49.707 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.01 min
Lab File: VW011363.D
Acq: 19 Jul 2019 05:39

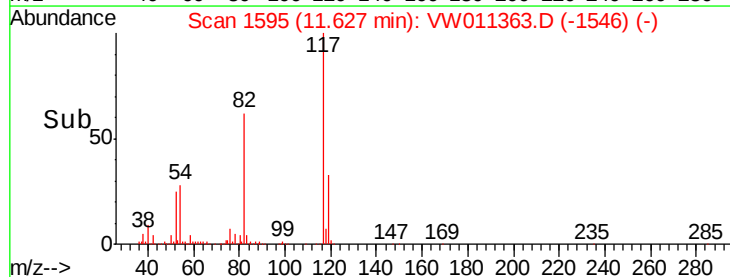
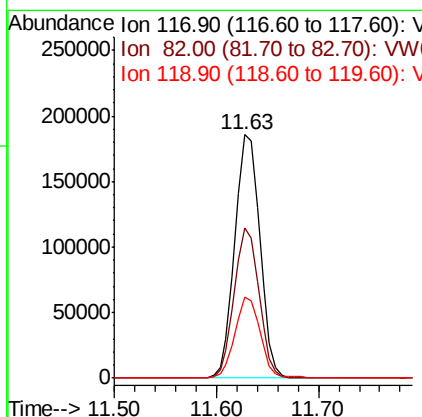
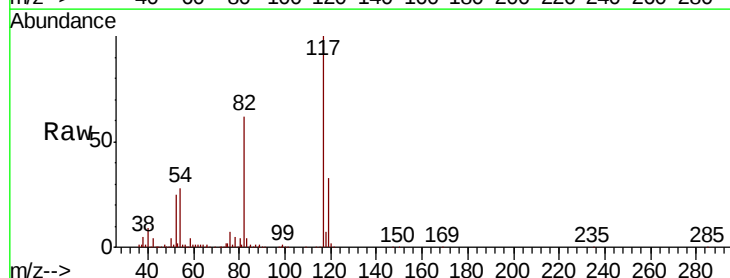
Instrument :
MSVOA_W
ClientSampleId :

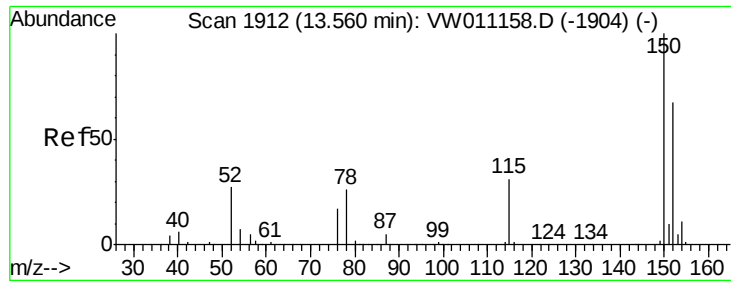
Tot Ion: 95 Resp: 152022
Ion Ratio Lower Upper
95 100
174 76.3 0.0 147.6
176 73.1 0.0 144.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW011363.D
Acq: 19 Jul 2019 05:39

Tgt Ion: 117 Resp: 316183
Ion Ratio Lower Upper
117 100
82 61.7 48.9 73.3
119 33.1 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: VW011363.D

Acq: 19 Jul 2019 05:39

Instrument :

MSVOA_W

ClientSampleId :

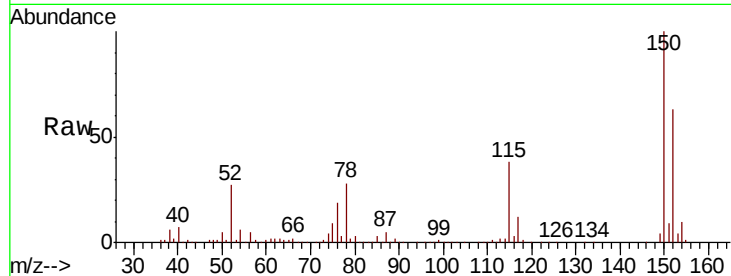
Tot Ion:152 Resp: 131036

Ion Ratio Lower Upper

152 100

115 59.9 30.1 90.3

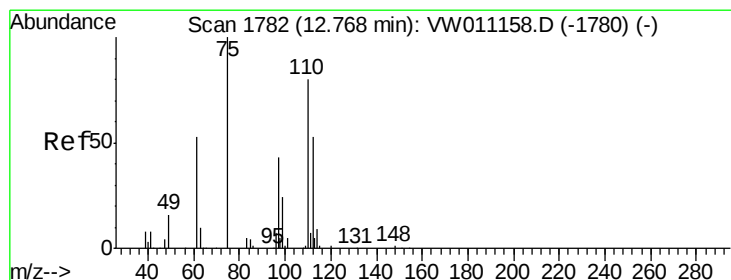
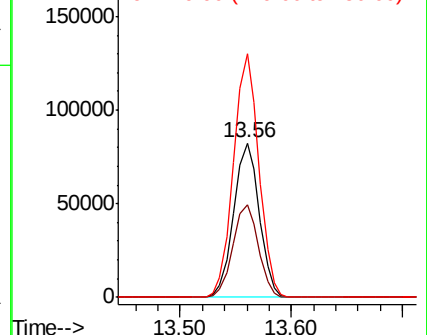
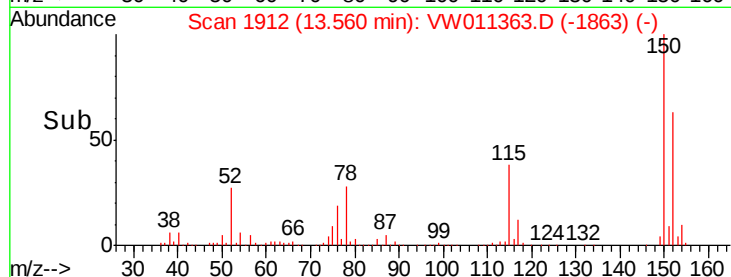
150 156.5 0.0 346.0



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: 53.900 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW011363.D

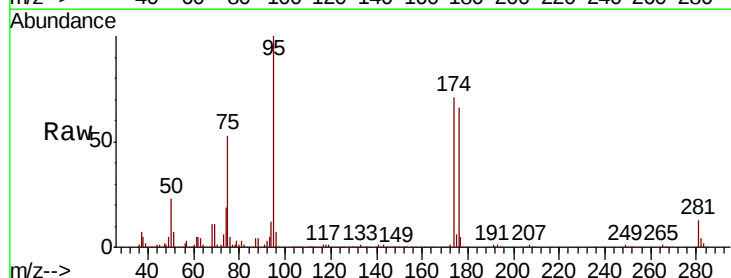
Acq: 19 Jul 2019 05:39

Tgt Ion: 75 Resp: 81620

Ion Ratio Lower Upper

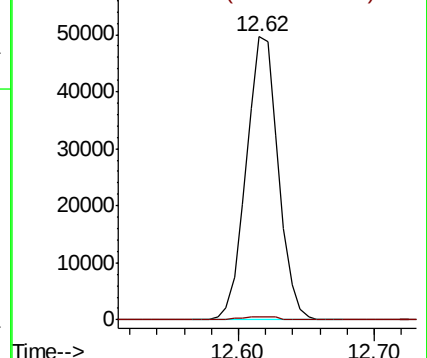
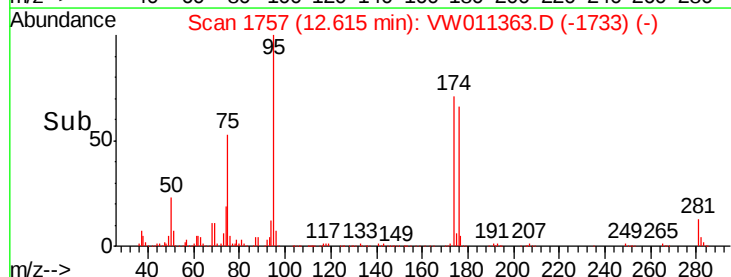
75 100

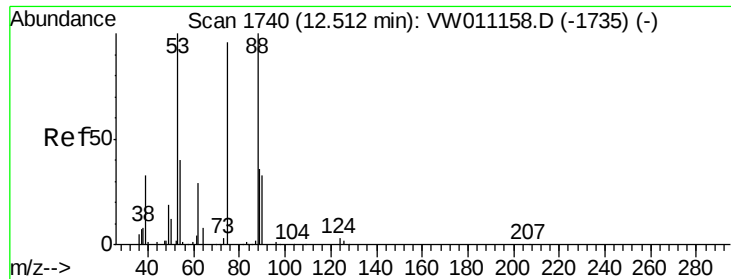
77 1.4 0.0 0.0#



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: 121.911 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW011363.D

Acq: 19 Jul 2019 05:39

Instrument :

MSVOA_W

ClientSampleId :

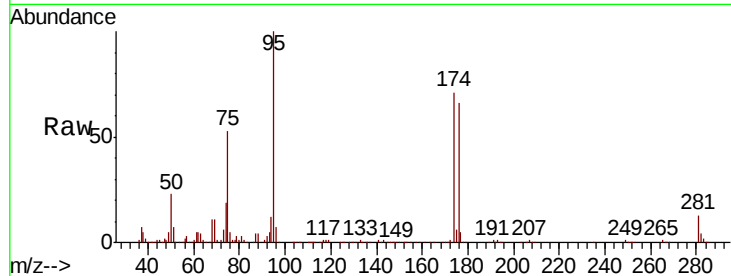
Tot Ion: 75 Resp: 81620

Ion Ratio Lower Upper

75 100

53 0.1 89.8 134.6#

89 0.1 34.3 51.5#



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

