

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062919\
 Data File : VW011067.D
 Acq On : 28 Jun 2019 17:48
 Operator : SY/VA
 Sample : K3554-01RE
 Misc : 5.97G/5ML/MSVOA W/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SAMPLE-11

Quant Time: Jun 29 01:51:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W062819S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 28 01:55:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	190887	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	329713	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	258060	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	83440	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	131408	52.66	ug/l	0.00
Spiked Amount			Recovery	=	105.32%	
35) Dibromofluoromethane	7.88	113	99224	49.28	ug/l	0.00
Spiked Amount			Recovery	=	98.56%	
50) Toluene-d8	10.32	98	401341	48.43	ug/l	0.00
Spiked Amount			Recovery	=	96.86%	
62) 4-Bromofluorobenzene	12.62	95	112079	36.98	ug/l	0.00
Spiked Amount			Recovery	=	73.96%	

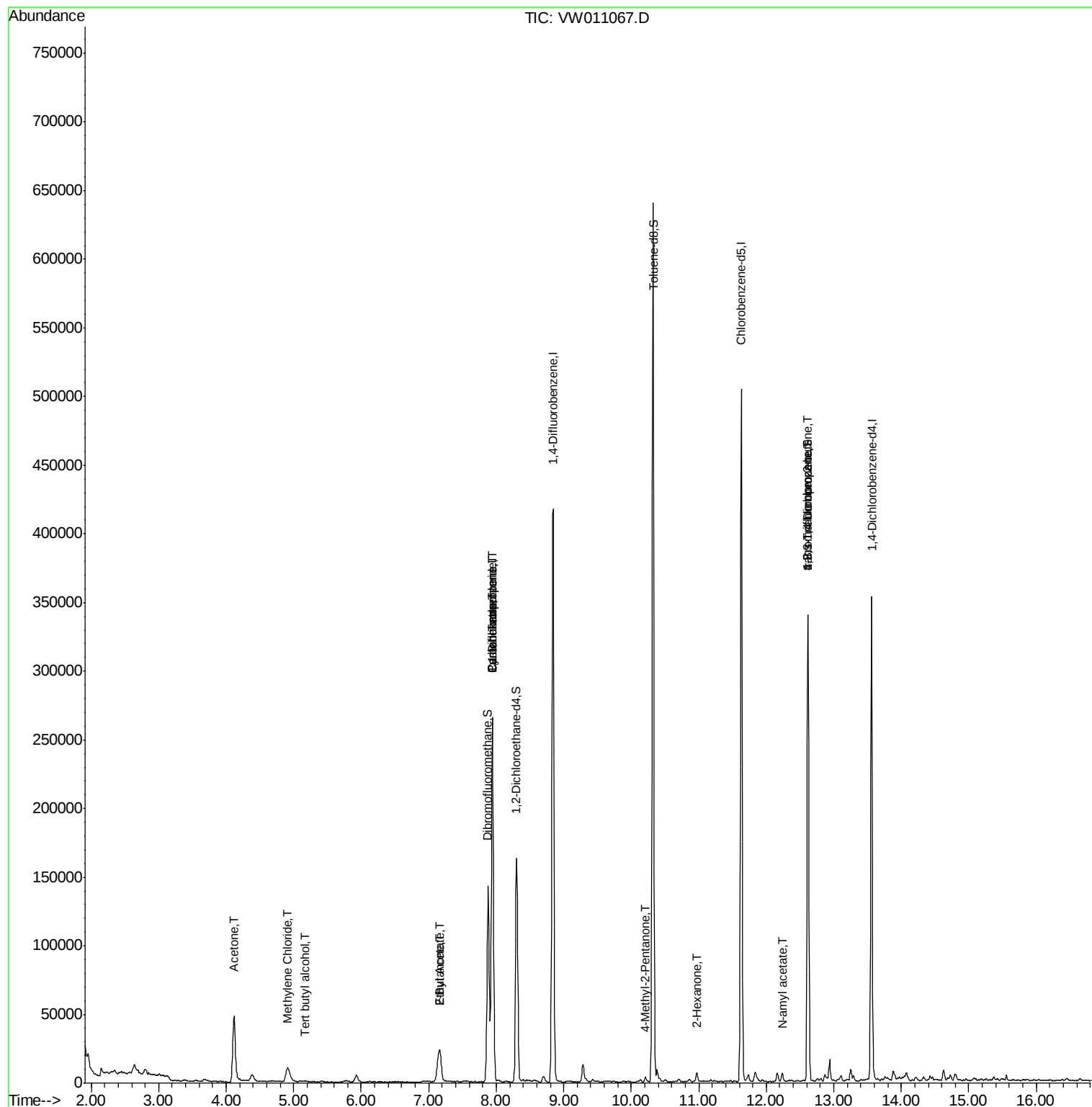
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.17	59	1549	8.547	ug/l #	79
16) Acetone	4.12	43	88223	144.838	ug/l	100
20) Methylene Chloride	4.91	84	8678	3.507	ug/l #	97
25) 2-Butanone	7.17	43	29077	31.405	ug/l	92
31) Cyclohexane	7.94	56	5462	1.144	ug/l #	15
36) 1,1-Dichloropropene	7.94	75	17117	4.830	ug/l #	52
37) Ethyl Acetate	7.17	43	29077	14.104	ug/l #	73
38) Carbon Tetrachloride	7.94	117	19556	6.701	ug/l #	16
51) 4-Methyl-2-Pentanone	10.21	43	3008	1.465	ug/l	92
59) 2-Hexanone	10.97	43	5212	3.641	ug/l	95
74) N-amyl acetate	12.24	43	3976	1.894	ug/l #	57
76) 1,2,3-Trichloropropane	12.62	75	61651	69.986	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	61651	140.795	ug/l #	3

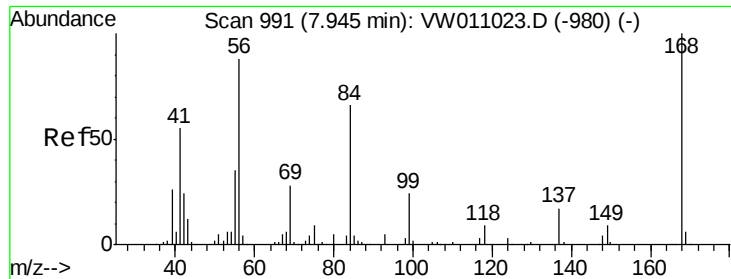
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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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: VW011067.D

Acq: 28 Jun 2019 17:48

Instrument :

MSVOA_W

ClientSampleId :

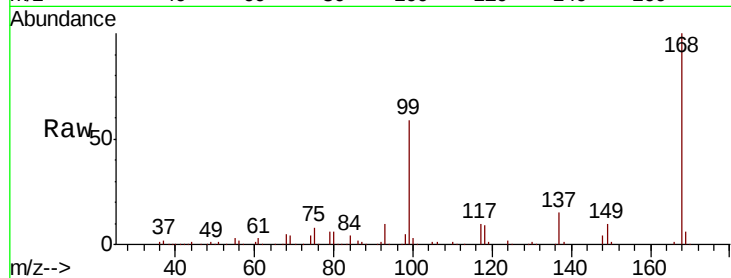
SAMPLE-11

Tot Ion:168 Resp: 190887

Ion Ratio Lower Upper

168 100

99 58.8 47.8 71.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

80000

60000

40000

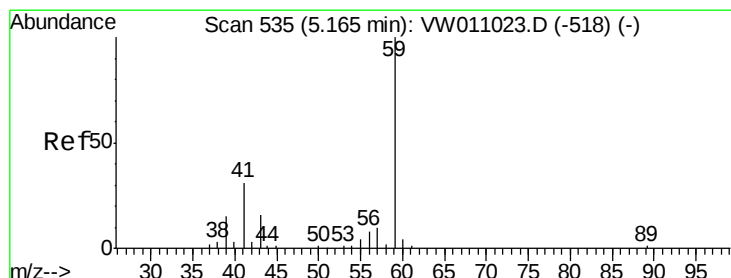
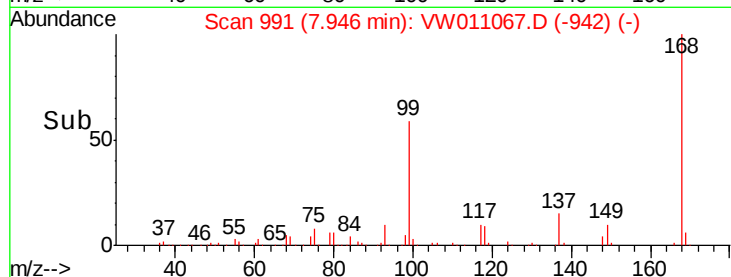
20000

0

7.90

8.00

Time-->



#11

Tert butyl alcohol

Concen: 8.547 ug/l

RT: 5.17 min Scan# 536

Delta R.T. 0.01 min

Lab File: VW011067.D

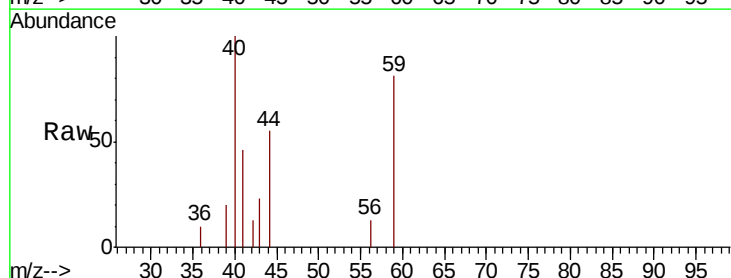
Acq: 28 Jun 2019 17:48

Tgt Ion: 59 Resp: 1549

Ion Ratio Lower Upper

59 100

57 3.2 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.17

500

400

300

200

100

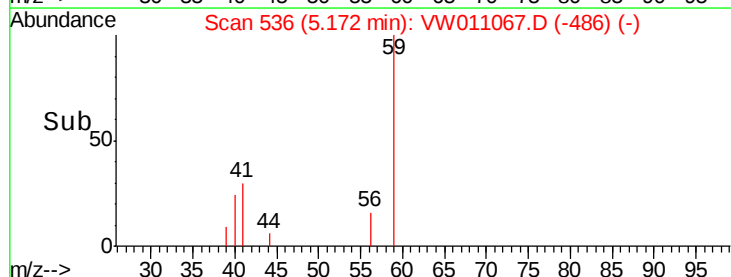
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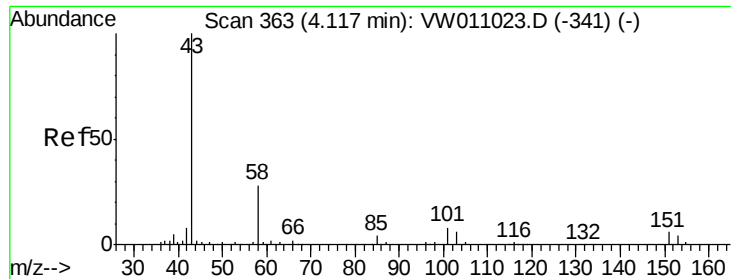
5.10

5.20

5.30

Time-->

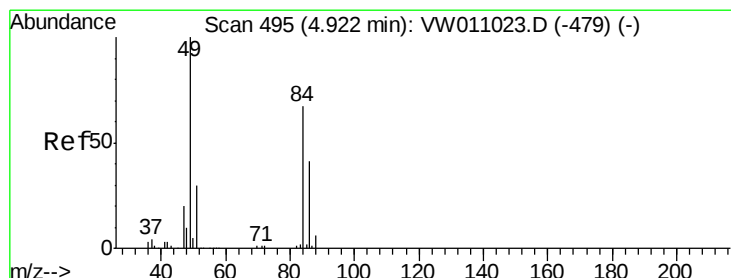
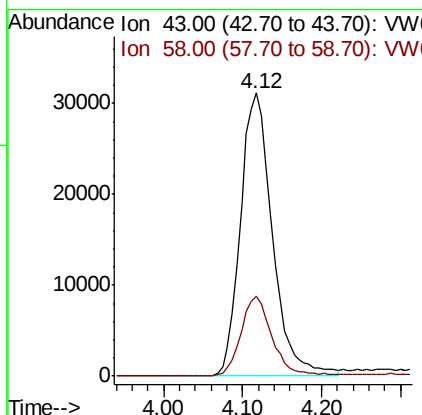
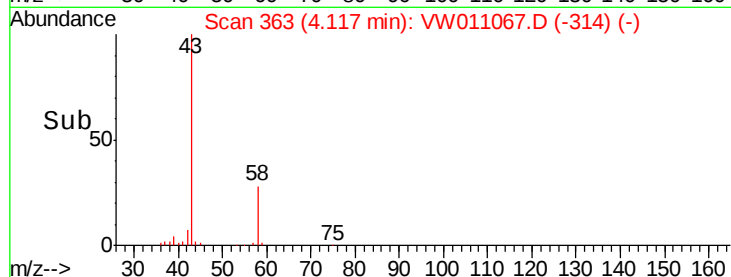
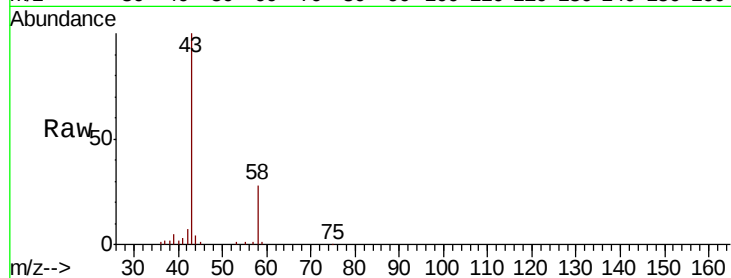




#16
Acetone
Concen: 144.838 ug/l
RT: 4.12 min Scan# 363
Delta R.T. 0.00 min
Lab File: VW011067.D
Acq: 28 Jun 2019 17:48

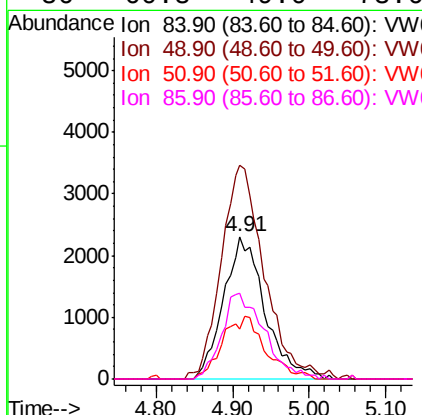
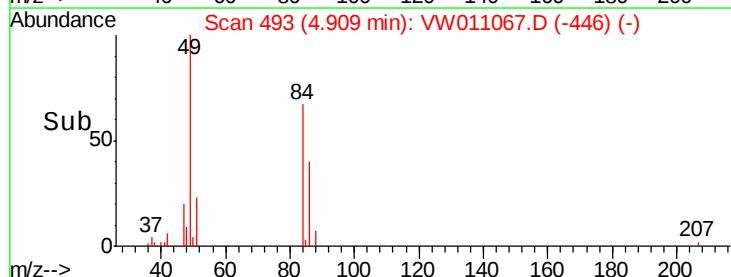
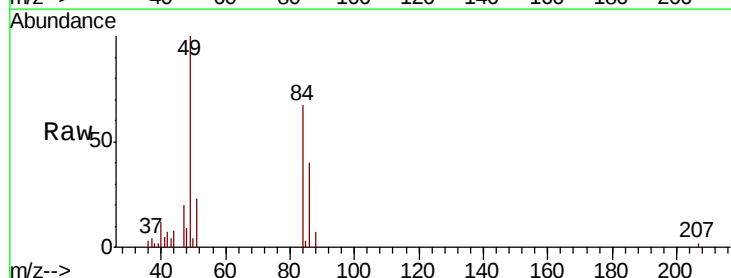
Instrument :
MSVOA_W
ClientSampleId :
SAMPLE-11

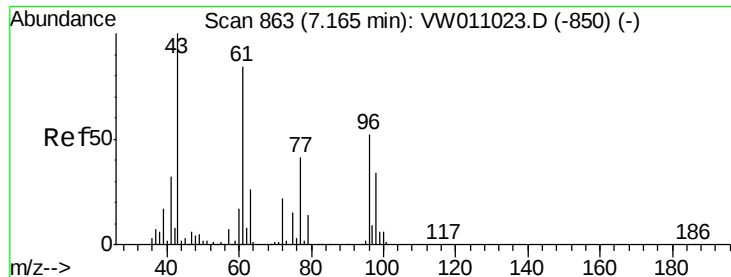
Tot Ion: 43 Resp: 88223
Ion Ratio Lower Upper
43 100
58 28.0 22.5 33.7



#20
Methylene Chloride
Concen: 3.507 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW011067.D
Acq: 28 Jun 2019 17:48

Tgt Ion: 84 Resp: 8678
Ion Ratio Lower Upper
84 100
49 150.3 119.6 179.4
51 35.2 35.6 53.4#
86 60.8 49.0 73.6

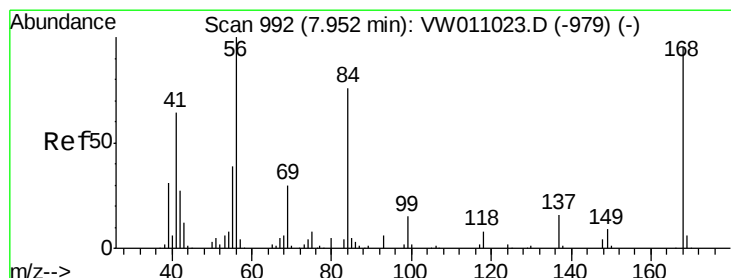
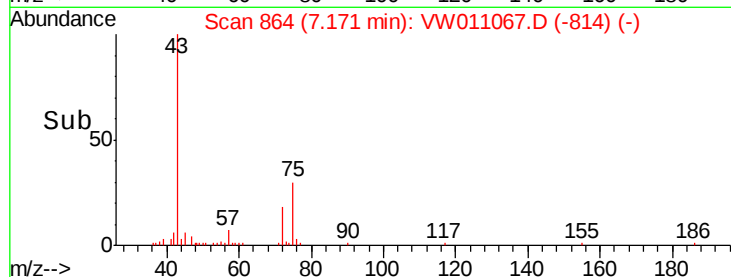
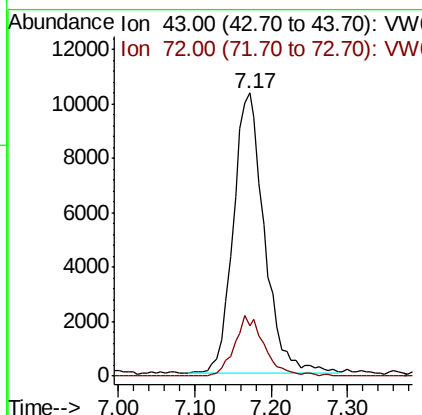
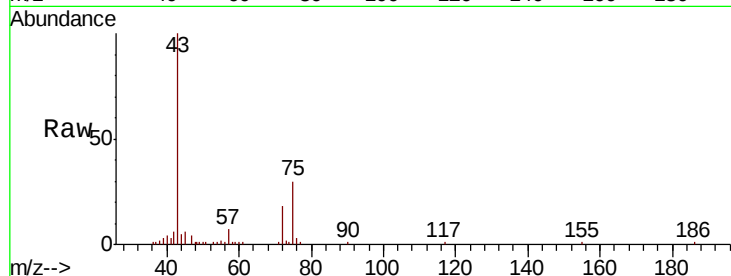




#25
2-Butanone
Concen: 31.405 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.01 min
Lab File: VW011067.D
Acq: 28 Jun 2019 17:48

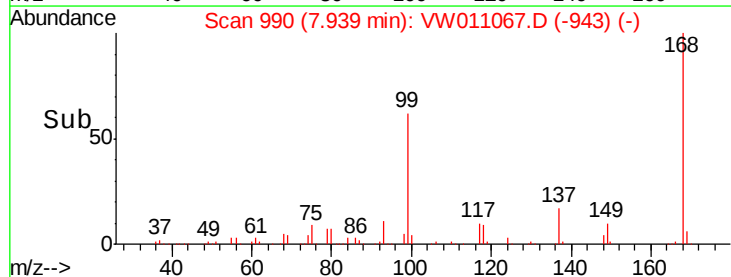
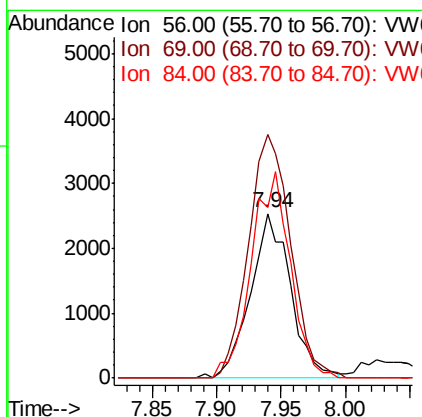
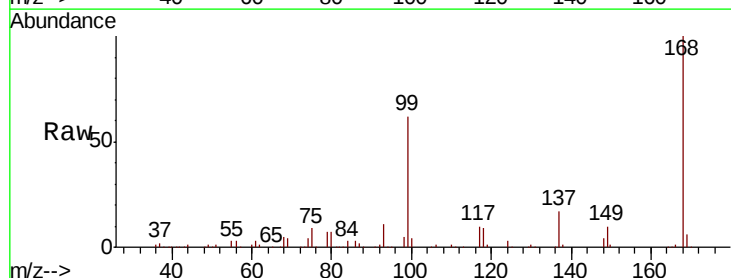
Instrument :
MSVOA_W
ClientSampleId :
SAMPLE-11

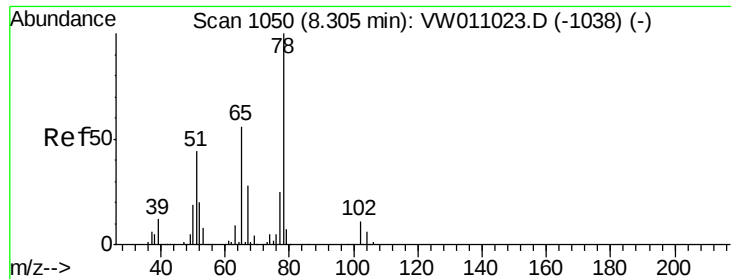
Tot Ion: 43 Resp: 29077
Ion Ratio Lower Upper
43 100
72 17.9 17.2 25.8



#31
Cyclohexane
Concen: 1.144 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.01 min
Lab File: VW011067.D
Acq: 28 Jun 2019 17:48

Tgt Ion: 56 Resp: 5462
Ion Ratio Lower Upper
56 100
69 147.9 24.2 36.2#
84 103.6 60.6 90.8#





#33

1,2-Dichloroethane-d4

Concen: 52.660 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW011067.D

Acq: 28 Jun 2019 17:48

Instrument :

MSVOA_W

ClientSampleId :

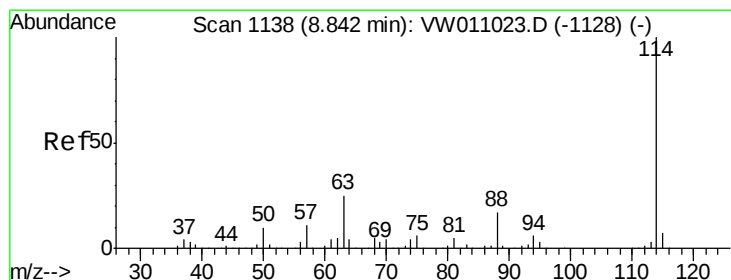
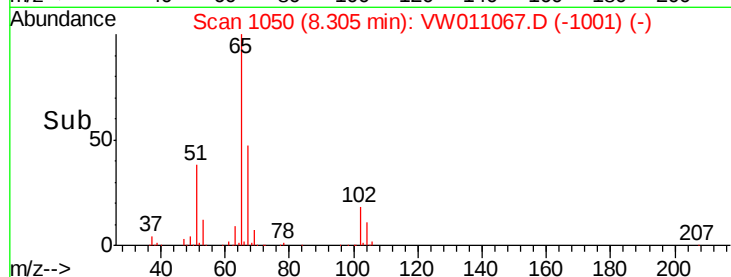
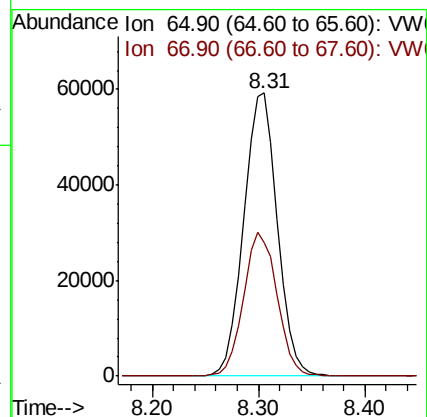
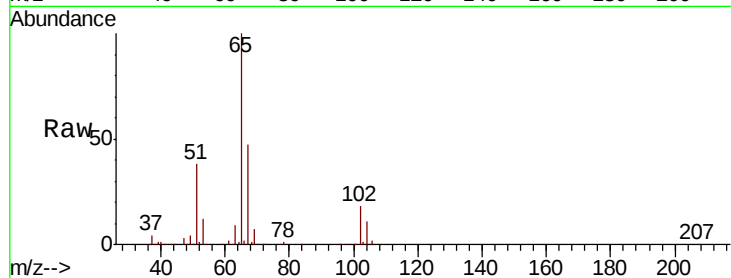
SAMPLE-11

Tot Ion: 65 Resp: 131408

Ion Ratio Lower Upper

65 100

67 50.9 0.0 102.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW011067.D

Acq: 28 Jun 2019 17:48

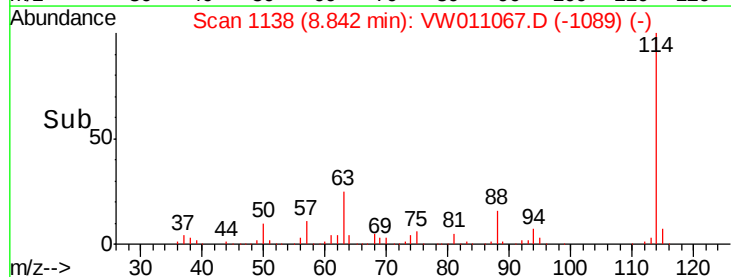
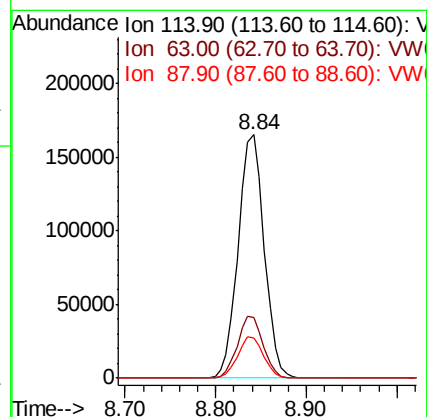
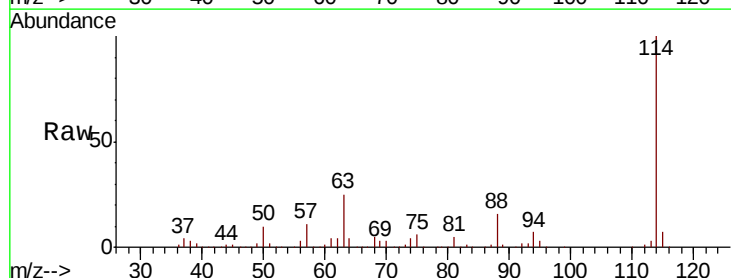
Tgt Ion: 114 Resp: 329713

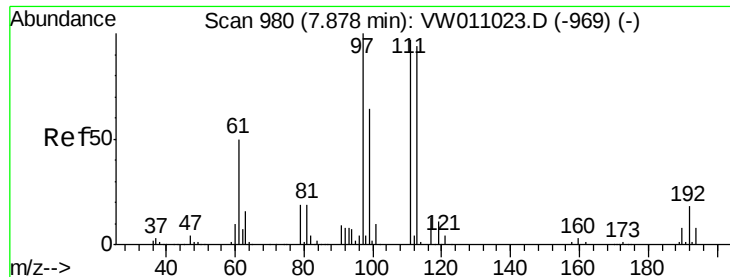
Ion Ratio Lower Upper

114 100

63 24.7 0.0 50.6

88 16.5 0.0 34.0

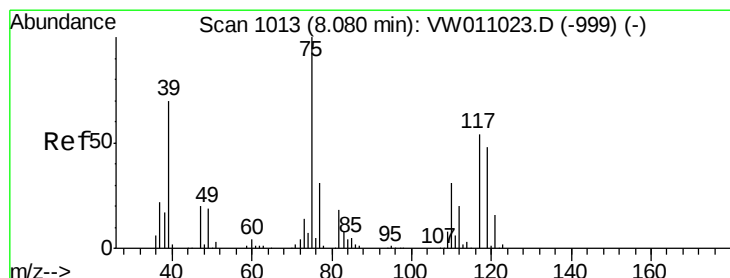
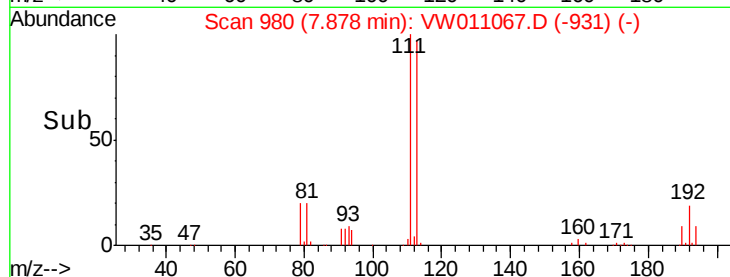
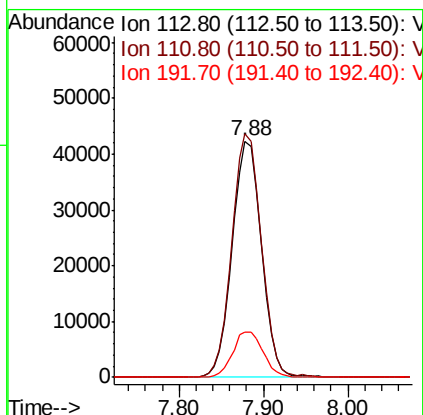
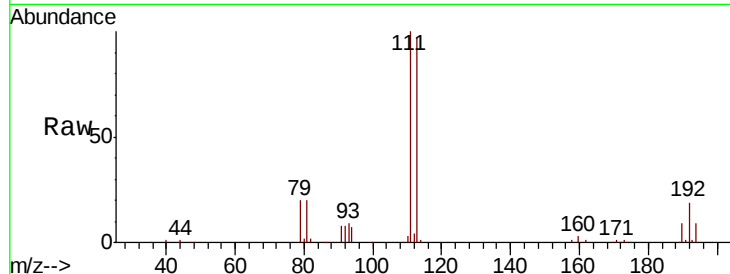




#35
 Dibromofluoromethane
 Concen: 49.283 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. 0.00 min
 Lab File: VW011067.D
 Acq: 28 Jun 2019 17:48

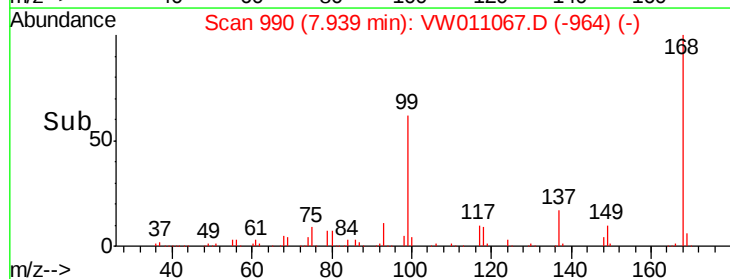
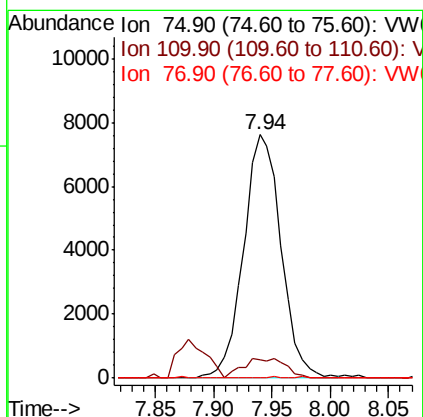
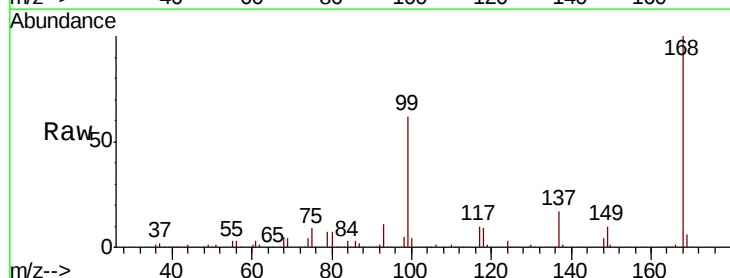
Instrument :
 MSVOA_W
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 SAMPLE-11

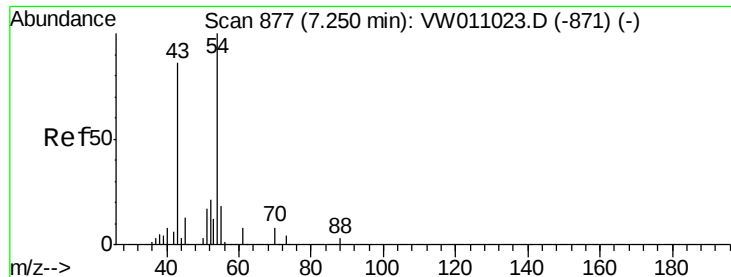
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.9	83.8	125.6
192	19.8	16.0	24.0



#36
 1,1-Dichloropropene
 Concen: 4.830 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW011067.D
 Acq: 28 Jun 2019 17:48

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.2	15.5	46.5#
77	0.1	24.9	37.3#





#37

Ethyl Acetate

Concen: 14.104 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.08 min

Lab File: VW011067.D

Acq: 28 Jun 2019 17:48

Instrument :

MSVOA_W

ClientSampled :

SAMPLE-11

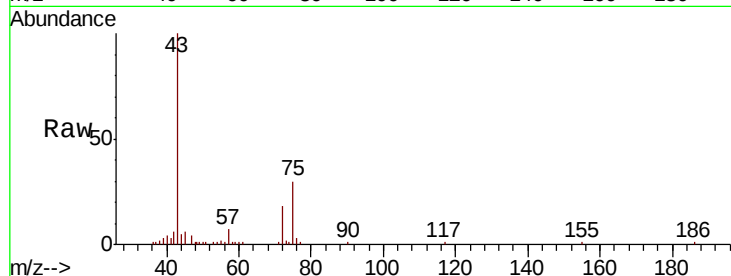
Tot Ion: 43 Resp: 29077

Ion Ratio Lower Upper

43 100

61 0.0 9.0 13.4#

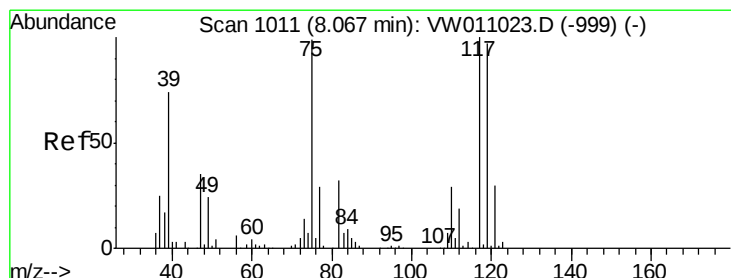
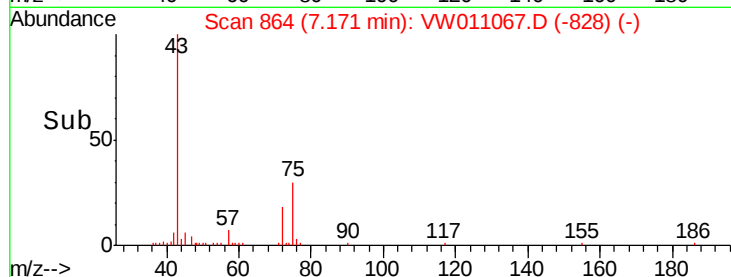
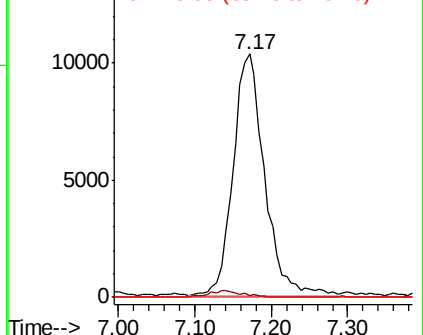
70 0.1 7.2 10.8#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 70.00 (69.70 to 70.70): VW



#38

Carbon Tetrachloride

Concen: 6.701 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.13 min

Lab File: VW011067.D

Acq: 28 Jun 2019 17:48

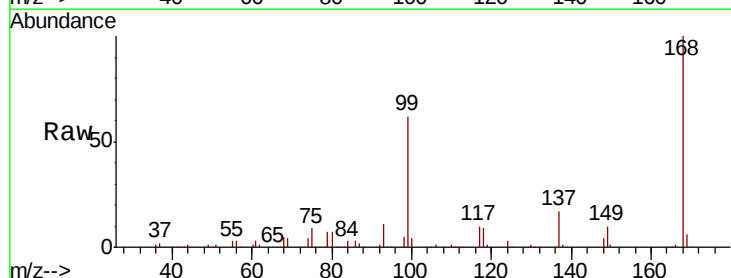
Tgt Ion: 117 Resp: 19556

Ion Ratio Lower Upper

117 100

119 6.2 77.7 116.5#

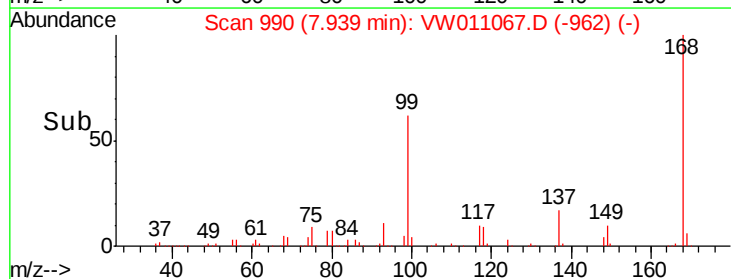
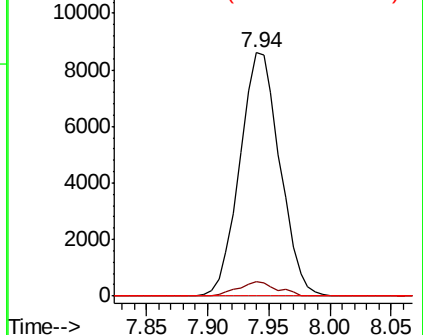
121 0.0 23.9 35.9#

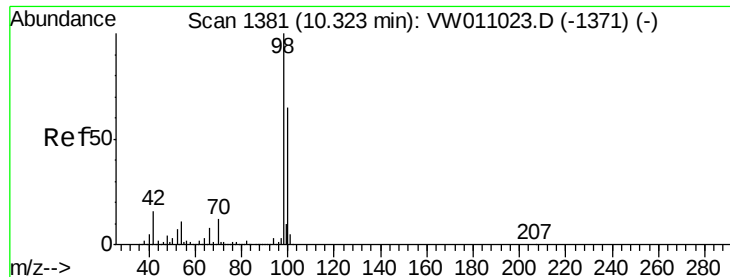


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 48.427 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW011067.D

Acq: 28 Jun 2019 17:48

Instrument :

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ClientSampleId :

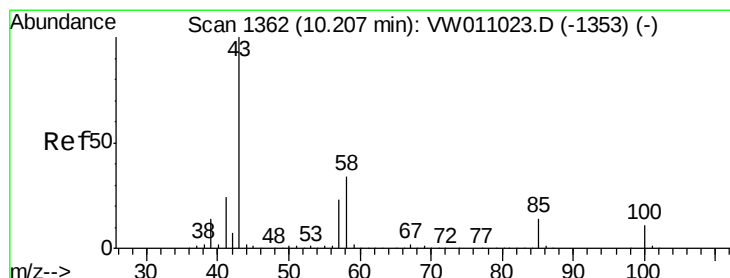
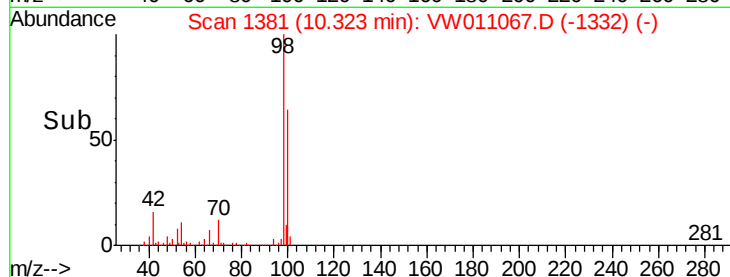
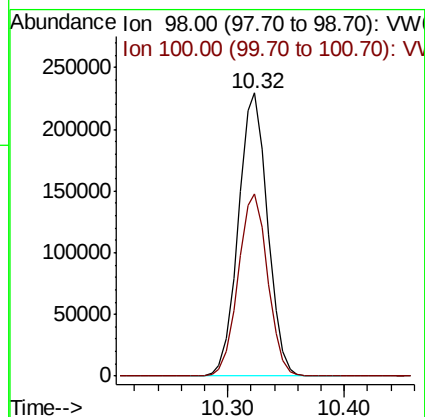
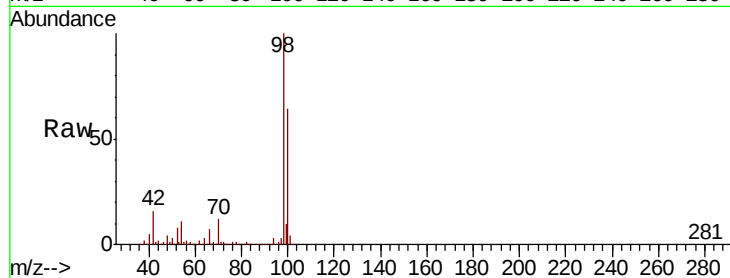
SAMPLE-11

Tot Ion: 98 Resp: 401341

Ion Ratio Lower Upper

98 100

100 65.2 52.3 78.5



#51

4-Methyl-2-Pentanone

Concen: 1.465 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW011067.D

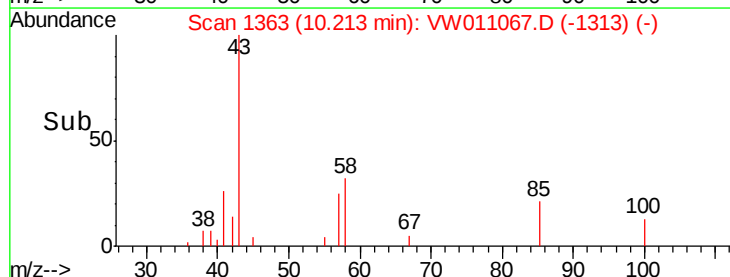
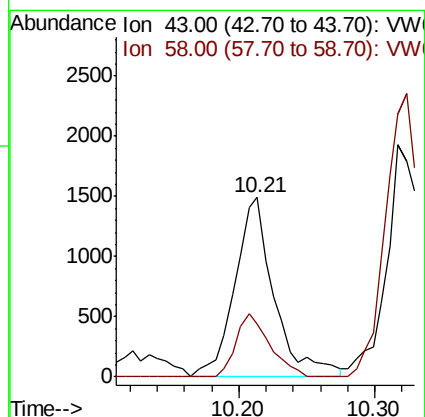
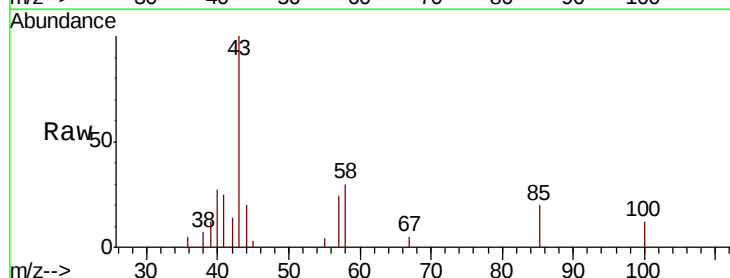
Acq: 28 Jun 2019 17:48

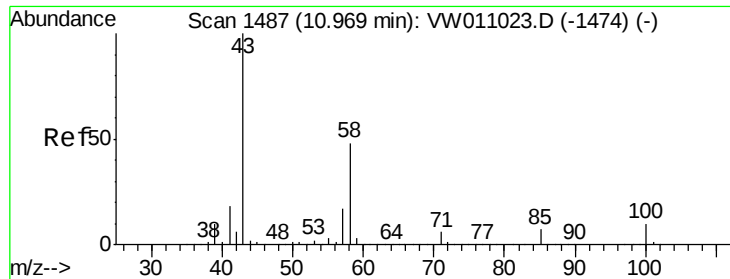
Tgt Ion: 43 Resp: 3008

Ion Ratio Lower Upper

43 100

58 30.0 27.8 41.6

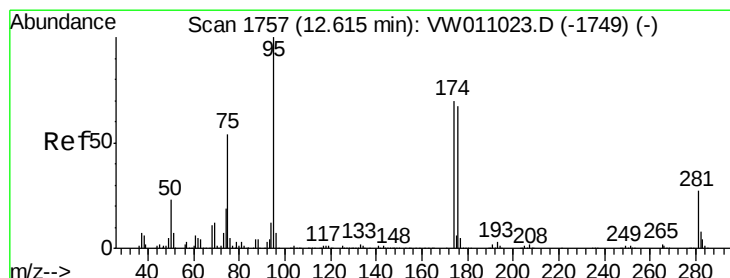
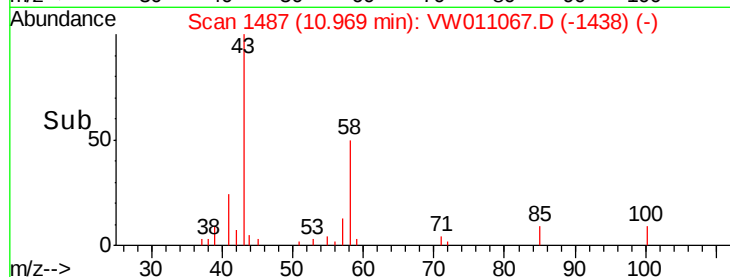
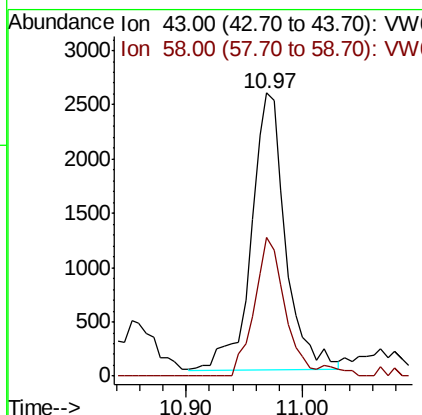
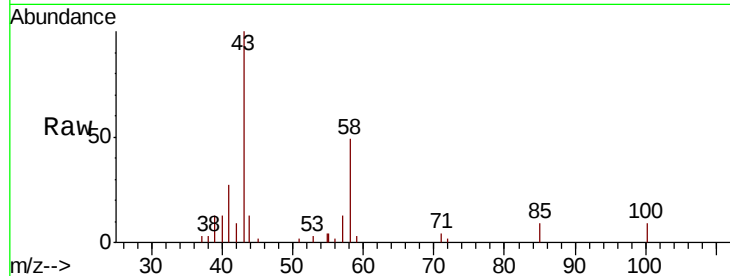




#59
2-Hexanone
Concen: 3.641 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW011067.D
Acq: 28 Jun 2019 17:48

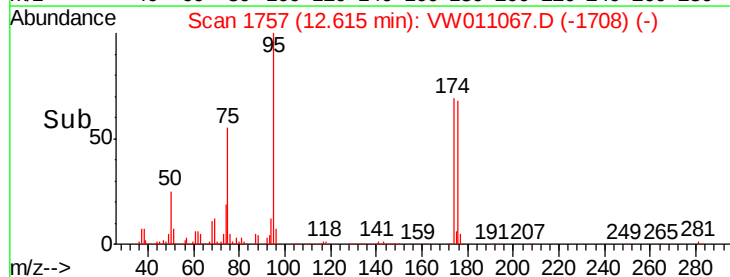
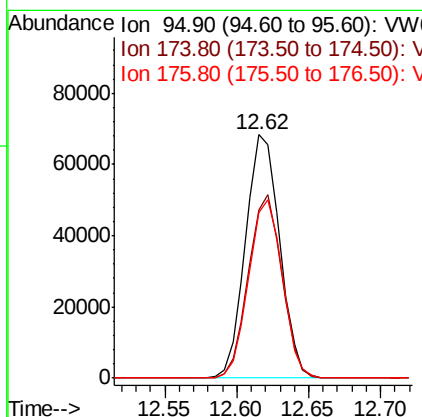
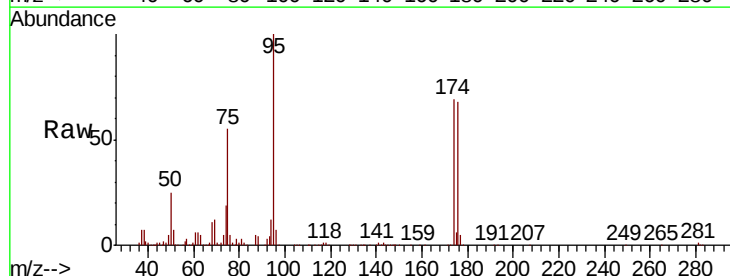
Instrument :
MSVOA_W
ClientSampleId :
SAMPLE-11

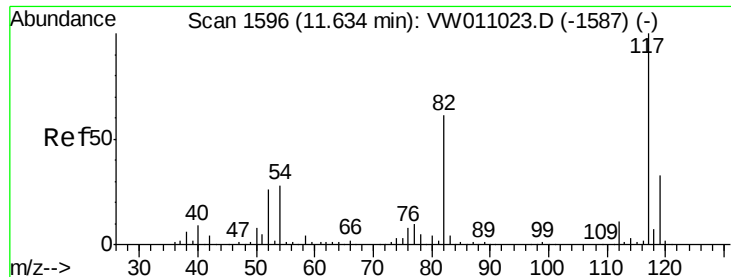
Tot Ion: 43 Resp: 5212
Ion Ratio Lower Upper
43 100
58 44.5 23.8 71.5



#62
4-Bromofluorobenzene
Concen: 36.976 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VW011067.D
Acq: 28 Jun 2019 17:48

Tgt Ion: 95 Resp: 112079
Ion Ratio Lower Upper
95 100
174 74.0 0.0 149.2
176 72.4 0.0 143.6

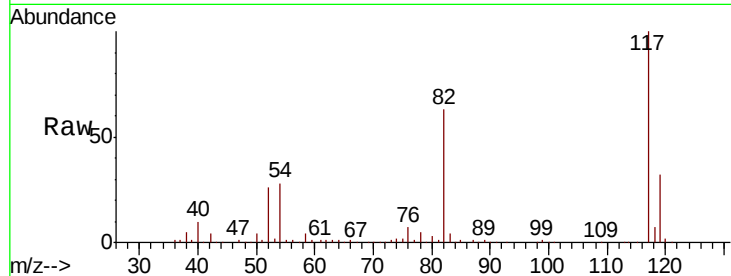




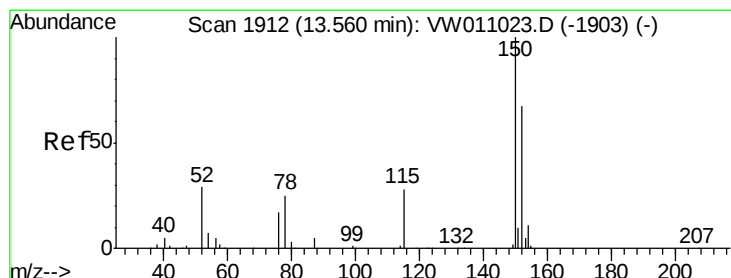
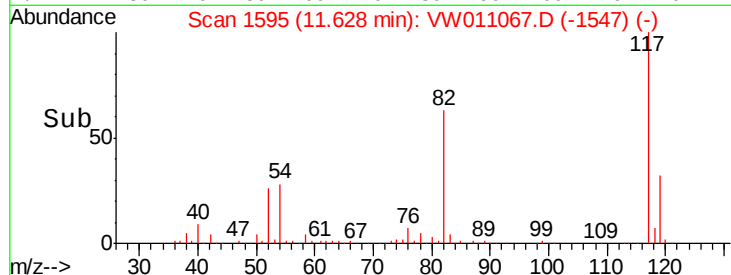
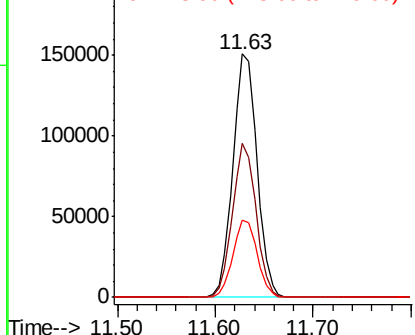
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW011067.D
Acq: 28 Jun 2019 17:48

Instrument :
MSVOA_W
ClientSampleId :
SAMPLE-11

Tot Ion:117 Resp: 258060
Ion Ratio Lower Upper
117 100
82 63.3 48.6 73.0
119 32.0 26.1 39.1

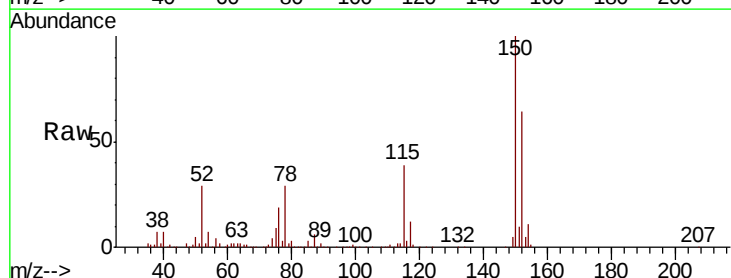


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): V

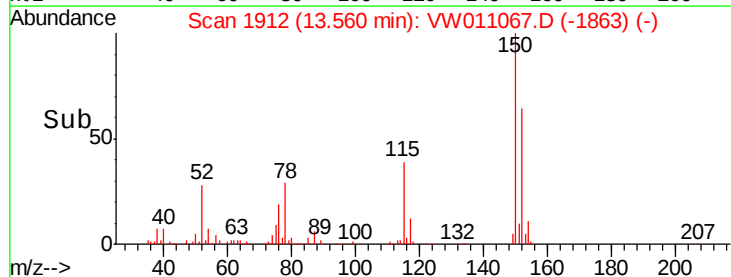
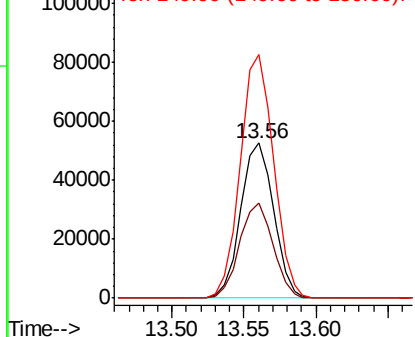


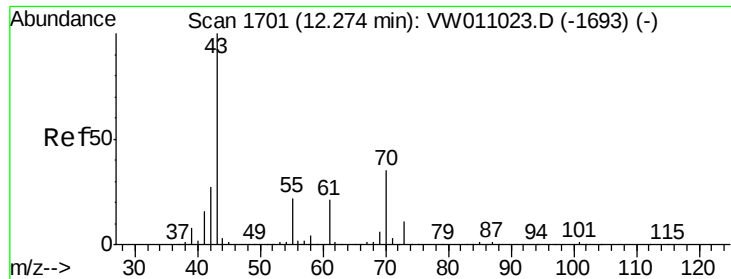
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW011067.D
Acq: 28 Jun 2019 17:48

Tgt Ion:152 Resp: 83440
Ion Ratio Lower Upper
152 100
115 62.3 30.7 92.1
150 159.2 0.0 341.8



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-amvl acetate

Concen: 1.894 ug/l

RT: 12.24 min Scan# 1695

Delta R.T. -0.04 min

Lab File: VW011067.D

Acq: 28 Jun 2019 17:48

Instrument :

MSVOA_W

ClientSampleId :

SAMPLE-11

Tot Ion: 43 Resp: 3976

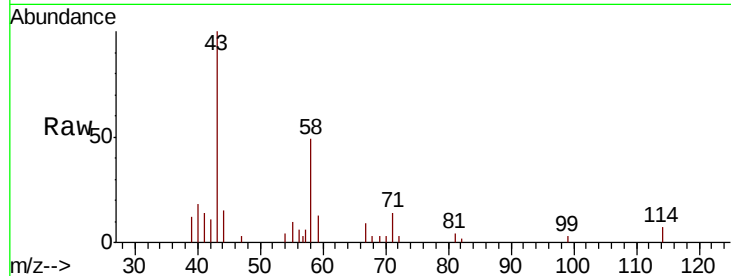
Ion Ratio Lower Upper

43 100

70 1.9 28.2 42.4#

55 12.9 17.8 26.8#

61 0.0 16.6 24.8#

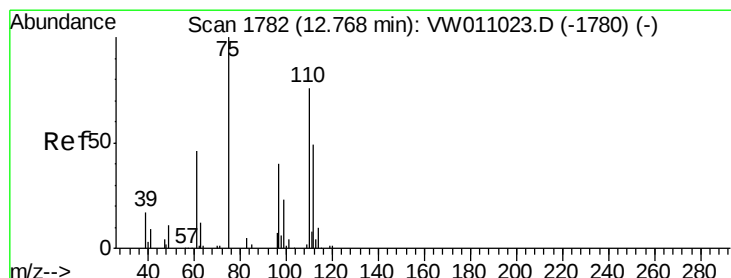
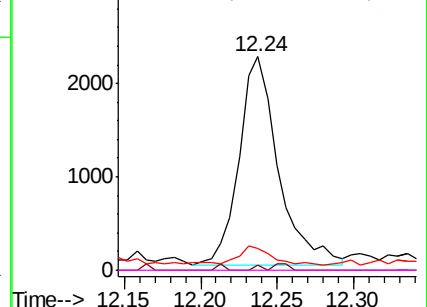
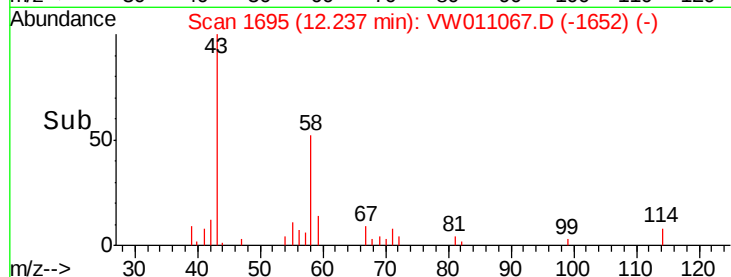


Abundance Ion 43.00 (42.70 to 43.70): VW

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: 69.986 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW011067.D

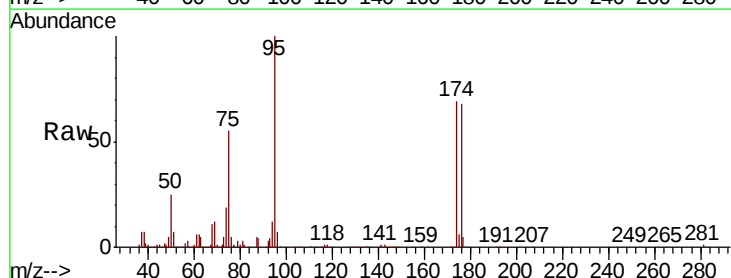
Acq: 28 Jun 2019 17:48

Tgt Ion: 75 Resp: 61651

Ion Ratio Lower Upper

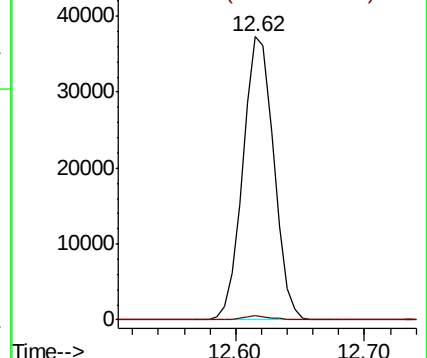
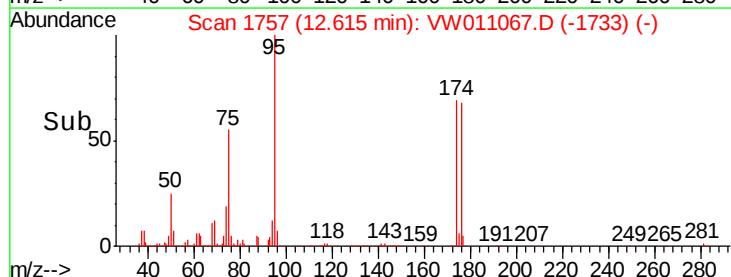
75 100

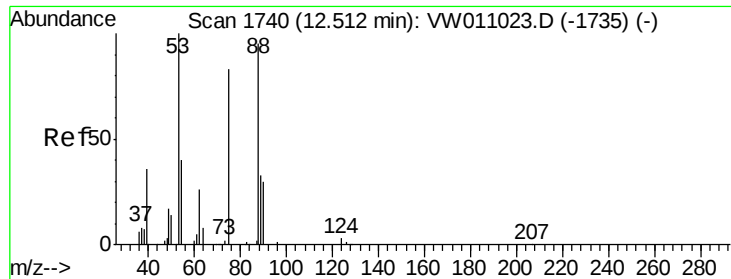
77 1.4 0.0 0.0#



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: 140.795 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW011067.D

Acq: 28 Jun 2019 17:48

Instrument :

MSVOA_W

ClientSampleId :

SAMPLE-11

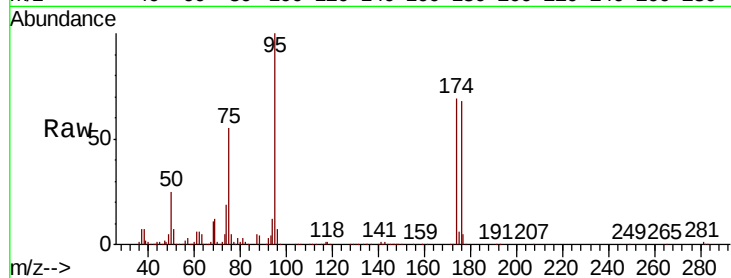
Tot Ion: 75 Resp: 61651

Ion Ratio Lower Upper

75 100

53 0.1 95.6 143.4#

89 0.0 34.4 51.6#



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

