

Data File : VW010782.D
Acq On : 12 Jun 2019 17:06
Operator : SY/VA
Sample : K3285-01
Misc : 7.30G/5ML/MSVOA_W/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
M-1-OW(0-10)

Quant Time: Jun 13 07:38:27 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W060419S.M
Quant Title : SW846 8260
QLast Update : Wed Jun 05 03:21:19 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	193396	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	334887	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	293411	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	128476	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	137805	60.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	120.90%	
35) Dibromofluoromethane	7.88	113	98751	54.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.66%	
50) Toluene-d8	10.32	98	441283	55.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.72%	
62) 4-Bromofluorobenzene	12.62	95	160809	55.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.88%	

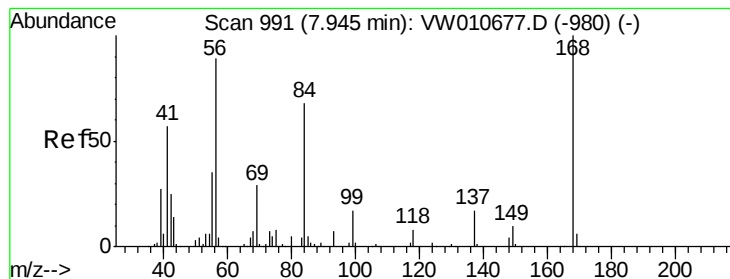
Target Compounds

						Qvalue
10) Methyl Iodide	4.26	142	231	4.903	ug/l #	77
11) Tert butyl alcohol	5.10	59	1385	7.458	ug/l #	72
16) Acetone	4.12	43	31163	51.021	ug/l	97
20) Methylene Chloride	4.92	84	8179	3.817	ug/l	94
25) 2-Butanone	7.18	43	2920	3.448	ug/l #	76
31) Cyclohexane	7.95	56	5900	1.283	ug/l #	7
36) 1,1-Dichloropropene	7.95	75	17342	5.059	ug/l #	51
38) Carbon Tetrachloride	7.95	117	19767	6.680	ug/l #	17
52) Toluene	10.38	92	14621	2.541	ug/l	98
74) N-amyl acetate	12.26	43	109792	35.188	ug/l #	47
75) 1,1,2,2-Tetrachloroethane	12.74	83	3316	1.804	ug/l #	26
76) 1,2,3-Trichloropropane	12.62	75	82416	61.086	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	82416	140.396	ug/l #	8

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

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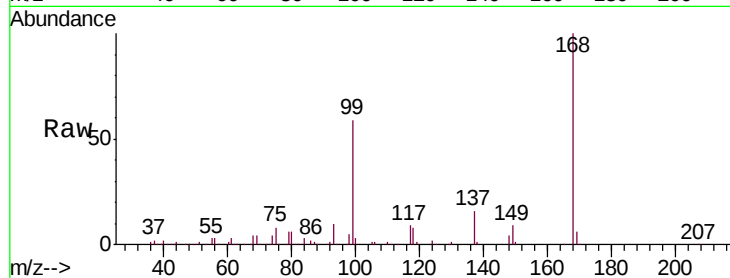
Instrument :
MSVOA_W
ClientSampleId :
M-1-OW(0-10)

Tgt Ion:168 Resp: 193396

Ion Ratio Lower Upper

168 100

99 58.6 47.7 71.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

60000

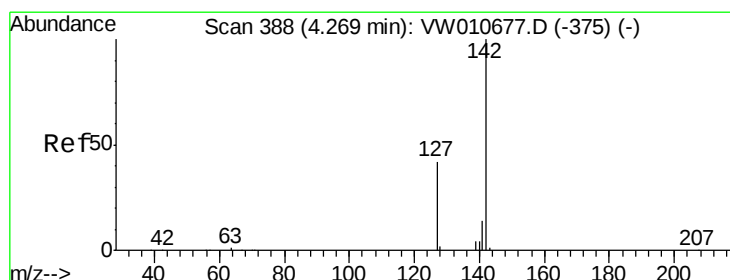
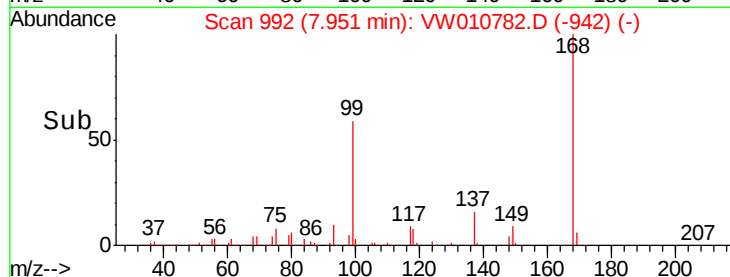
40000

20000

0

Time-->

7.80 7.90 8.00 8.10



#10

Methyl Iodide

Concen: 4.903 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

Lab File: VW010782.D

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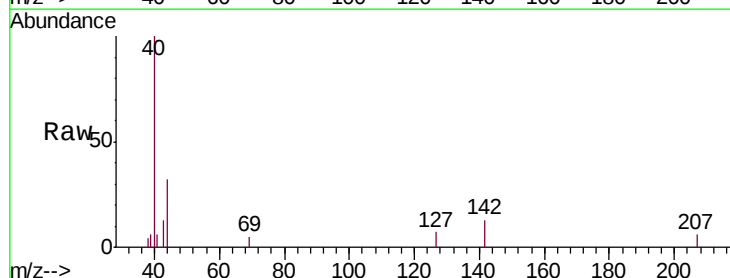
Tgt Ion:142 Resp: 231

Ion Ratio Lower Upper

142 100

127 31.2 34.6 51.8#

141 0.0 11.6 17.4#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

4.26

200

150

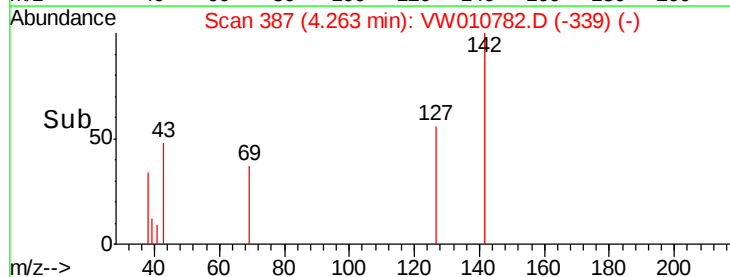
100

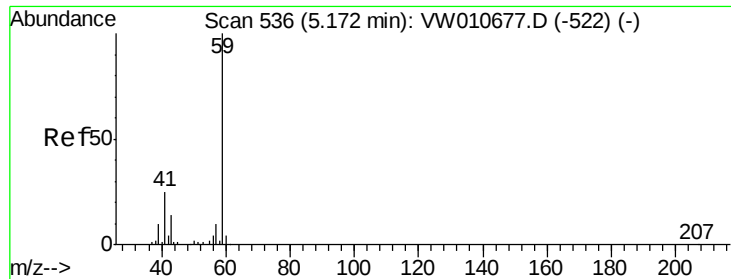
50

0

Time-->

4.22 4.24 4.26 4.28

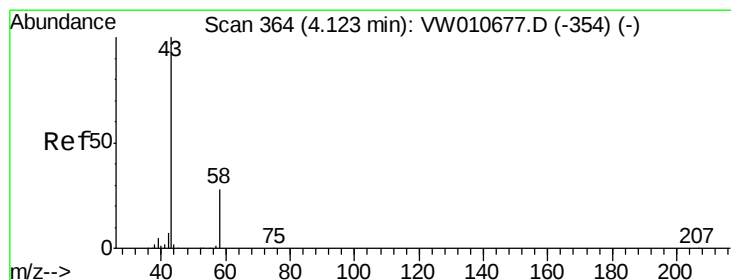
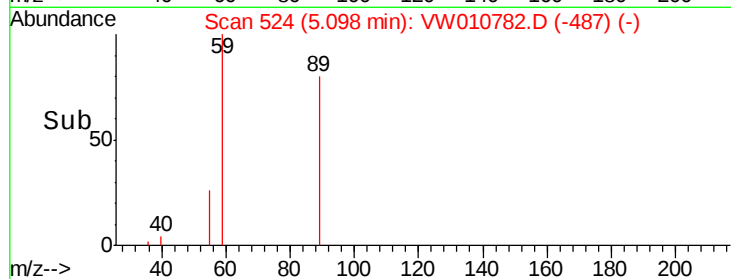
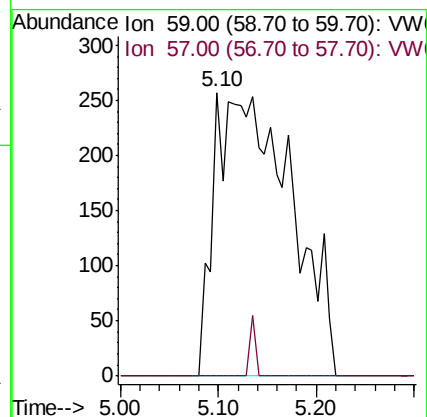
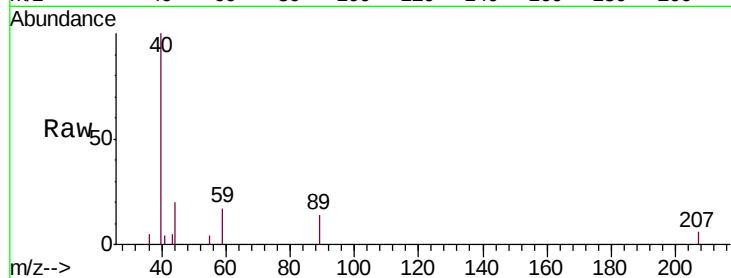




#11
Tert butyl alcohol
Concen: 7.458 ug/l
RT: 5.10 min Scan# 524
Delta R.T. -0.07 min
Lab File: VW010782.D
Acq: 12 Jun 2019 17:06

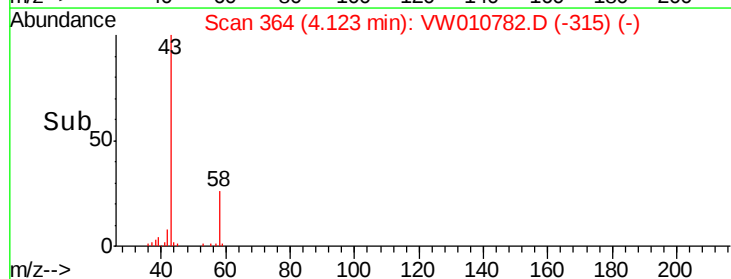
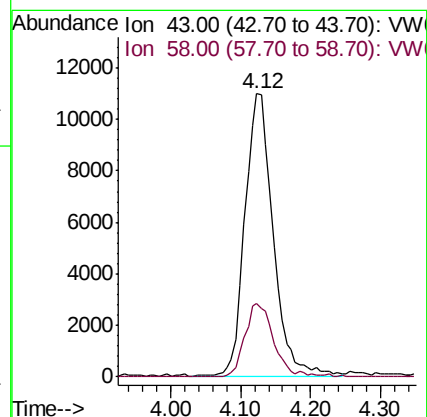
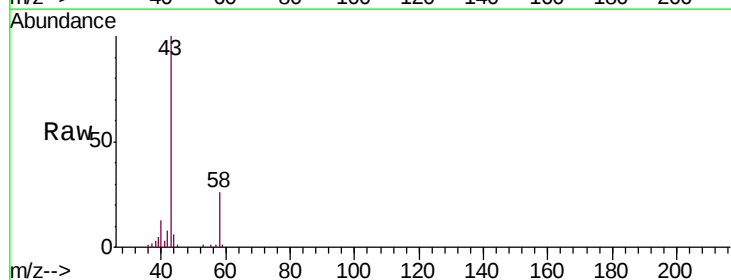
Instrument :
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ClientSampleId :
M-1-OW(0-10)

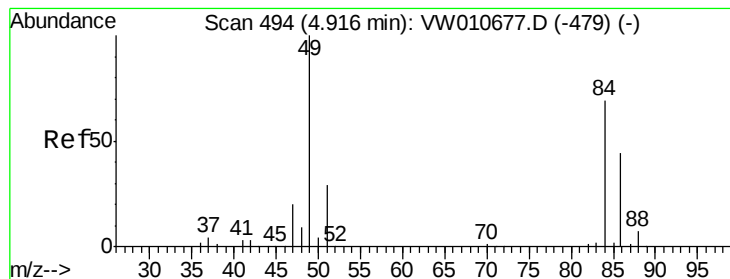
Tgt Ion: 59 Resp: 1385
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



#16
Acetone
Concen: 51.021 ug/l
RT: 4.12 min Scan# 364
Delta R.T. -0.00 min
Lab File: VW010782.D
Acq: 12 Jun 2019 17:06

Tgt Ion: 43 Resp: 31163
Ion Ratio Lower Upper
43 100
58 26.2 22.1 33.1





#20

Methylene Chloride

Concen: 3.817 ug/l

RT: 4.92 min Scan# 495

Delta R.T. 0.01 min

Lab File: VW010782.D

Acq: 12 Jun 2019 17:06

Instrument :

MSVOA_W

ClientSampleId :

M-1-OW(0-10)

Tgt Ion: 84 Resp: 8179

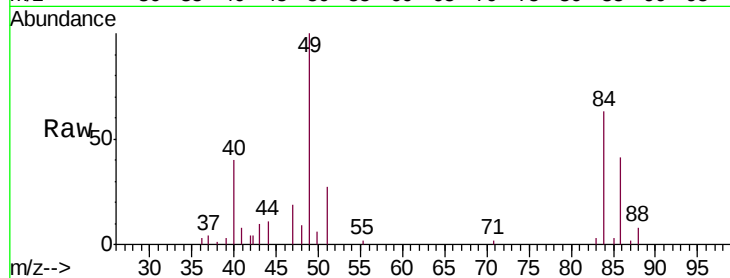
Ion Ratio Lower Upper

84 100

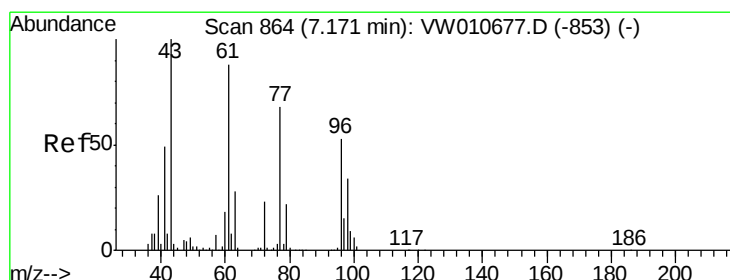
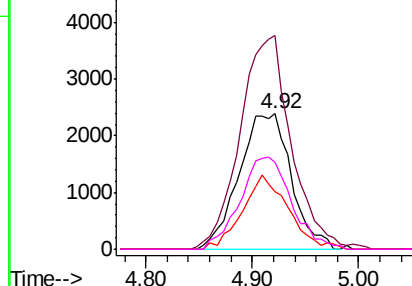
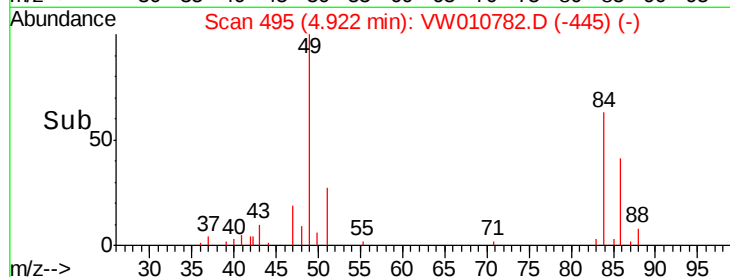
49 157.7 116.7 175.1

51 42.7 34.2 51.2

86 64.6 51.2 76.8



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: 3.448 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW010782.D

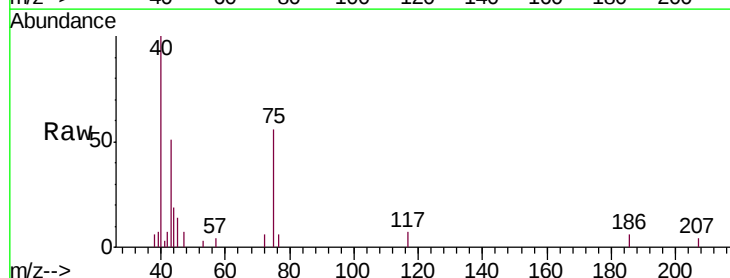
Acq: 12 Jun 2019 17:06

Tgt Ion: 43 Resp: 2920

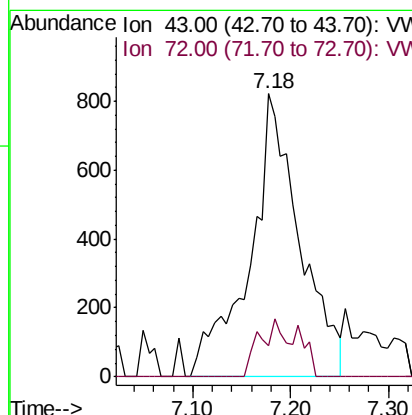
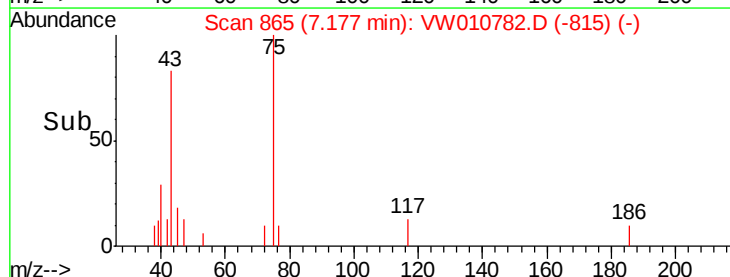
Ion Ratio Lower Upper

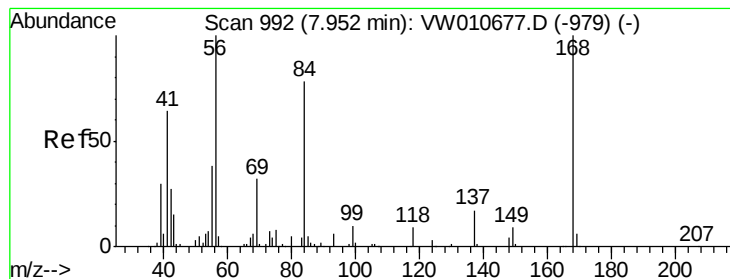
43 100

72 10.9 18.1 27.1#



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





#31

Cyclohexane

Concen: 1.283 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW010782.D

Acq: 12 Jun 2019 17:06

Instrument :

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M-1-OW(0-10)

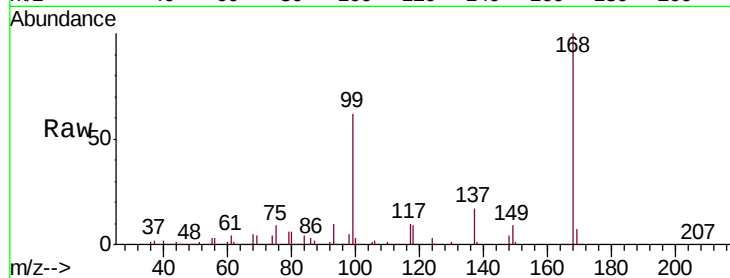
Tgt Ion: 56 Resp: 5900

Ion Ratio Lower Upper

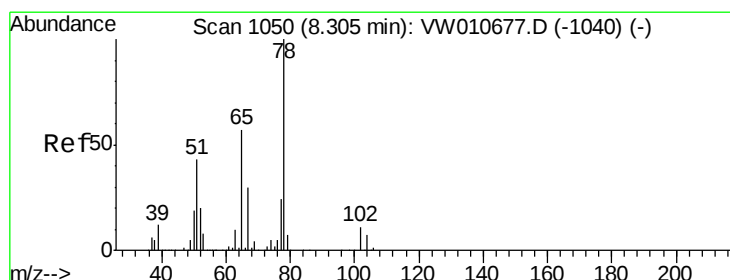
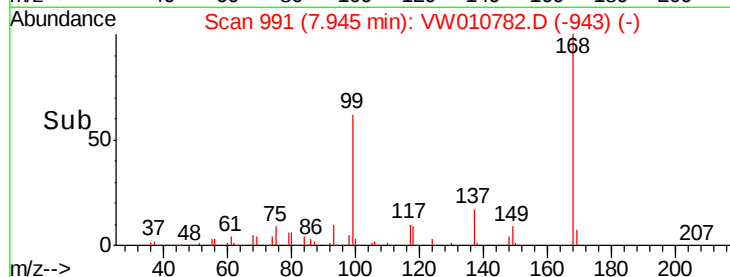
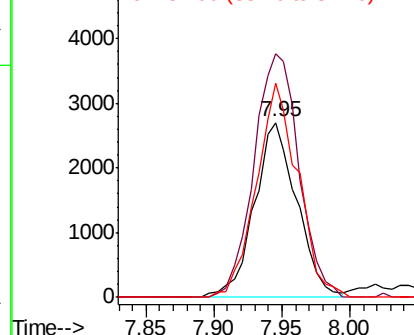
56 100

69 139.5 25.2 37.8#

84 123.0 62.2 93.2#



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: 60.454 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW010782.D

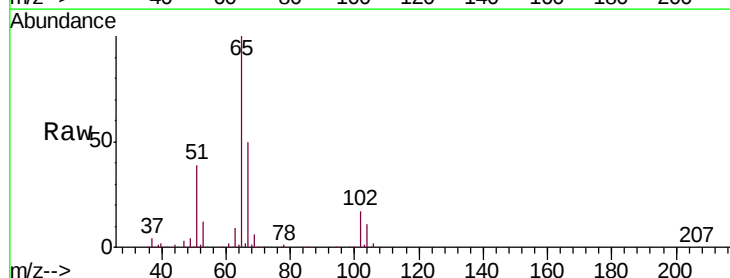
Acq: 12 Jun 2019 17:06

Tgt Ion: 65 Resp: 137805

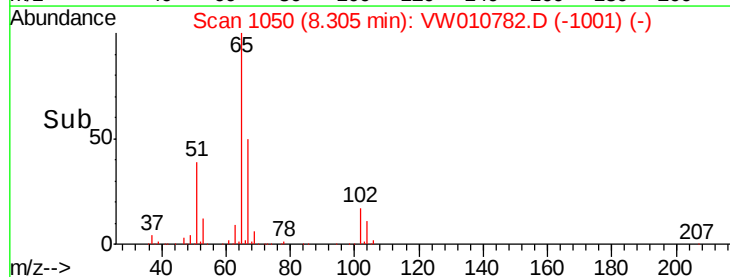
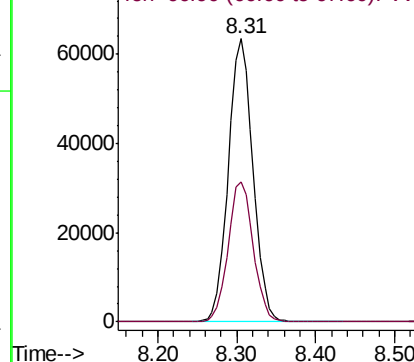
Ion Ratio Lower Upper

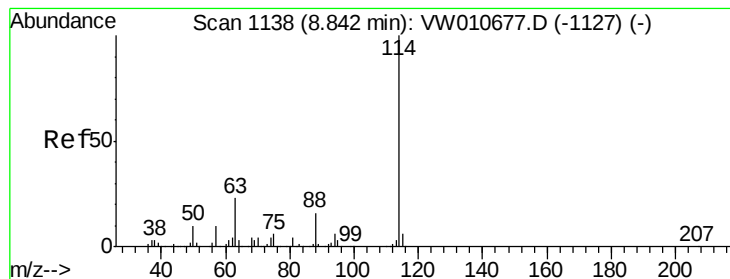
65 100

67 50.4 0.0 102.6



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: VW010782.D

Acq: 12 Jun 2019 17:06

Instrument :

MSVOA_W

ClientSampleId :

M-1-OW(0-10)

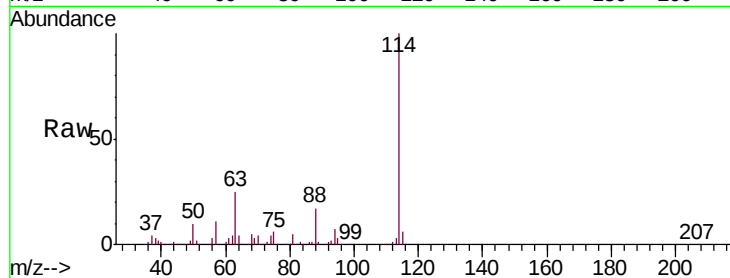
Tgt Ion:114 Resp: 334887

Ion Ratio Lower Upper

114 100

63 24.6 0.0 46.4

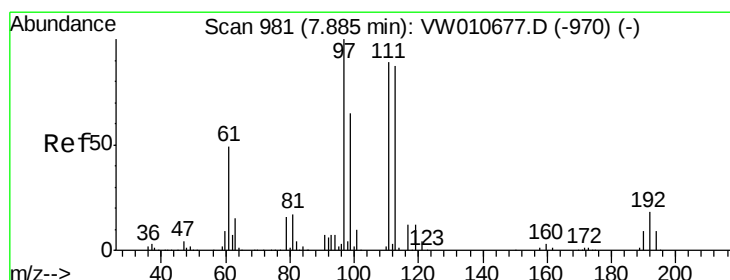
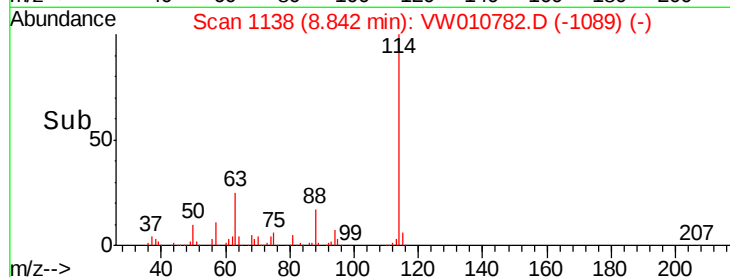
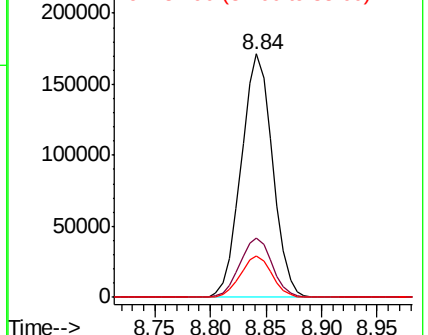
88 16.9 0.0 32.2



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: 54.327 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW010782.D

Acq: 12 Jun 2019 17:06

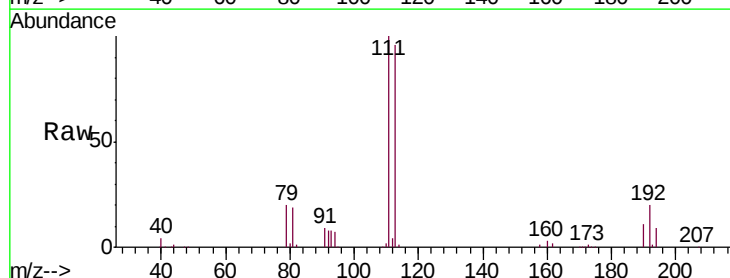
Tgt Ion:113 Resp: 98751

Ion Ratio Lower Upper

113 100

111 103.3 82.6 123.8

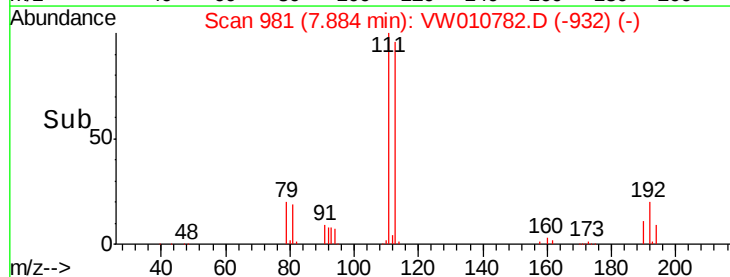
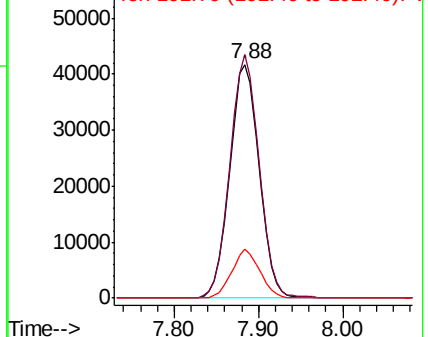
192 19.8 16.4 24.6

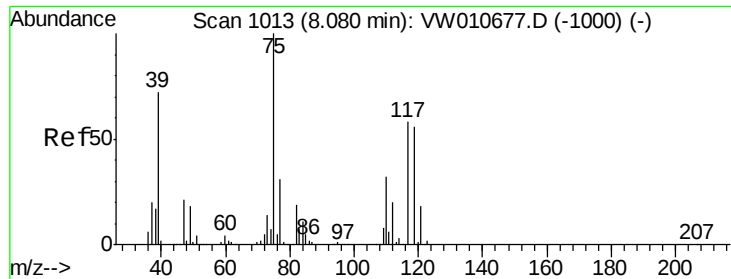


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

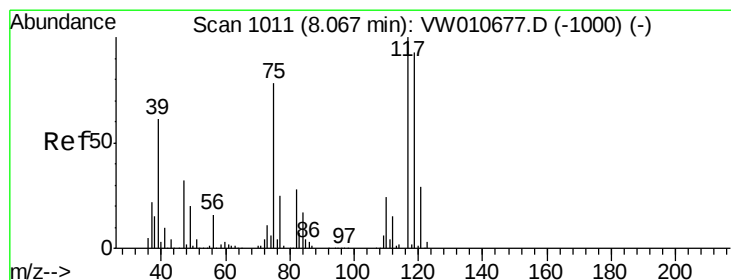
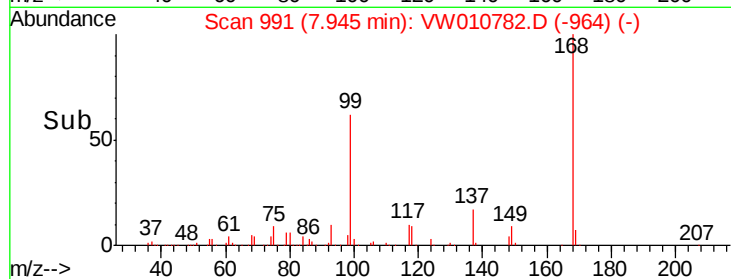
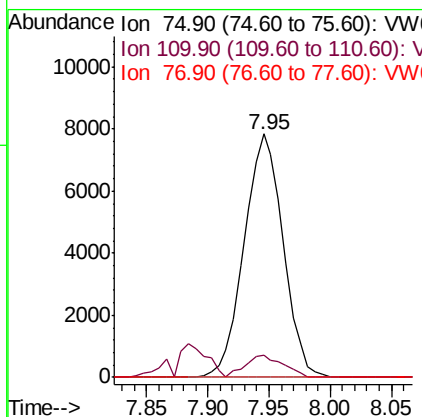
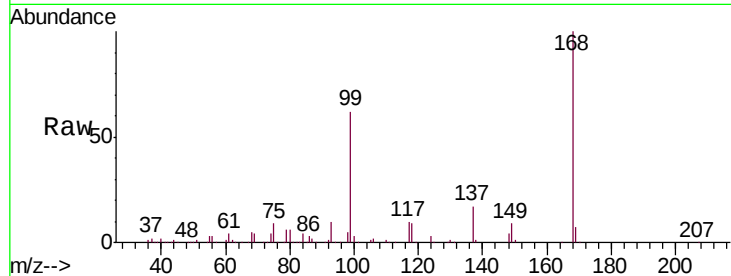




#36
 1,1-Dichloropropene
 Concen: 5.059 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW010782.D
 Acq: 12 Jun 2019 17:06

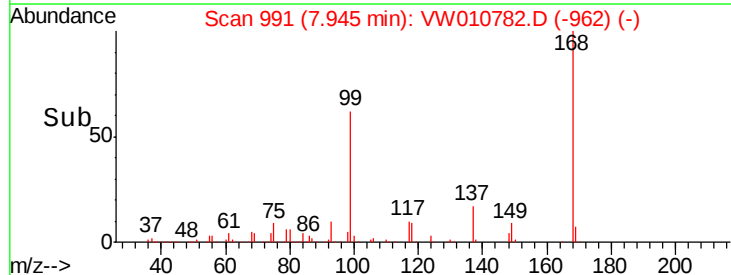
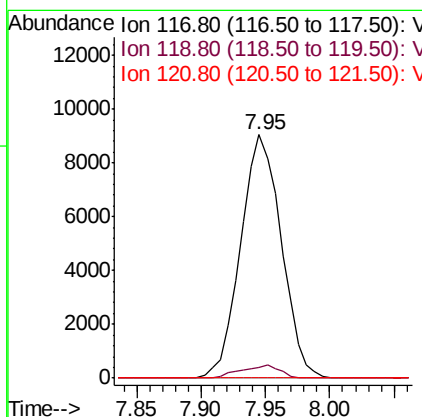
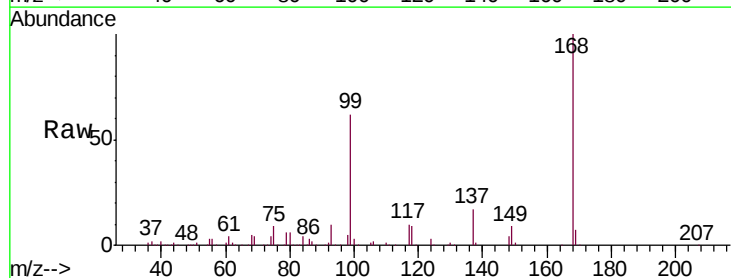
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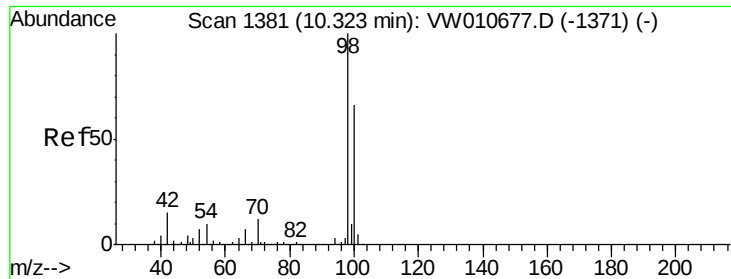
Tgt Ion: 75 Resp: 17342
 Ion Ratio Lower Upper
 75 100
 110 8.8 15.8 47.3#
 77 0.0 24.7 37.1#



#38
 Carbon Tetrachloride
 Concen: 6.680 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW010782.D
 Acq: 12 Jun 2019 17:06

Tgt Ion: 117 Resp: 19767
 Ion Ratio Lower Upper
 117 100
 119 4.2 74.2 111.4#
 121 0.0 22.9 34.3#

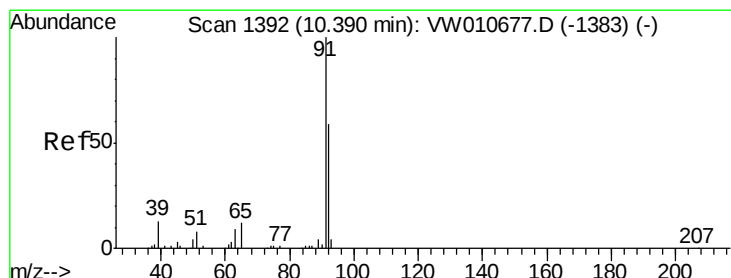
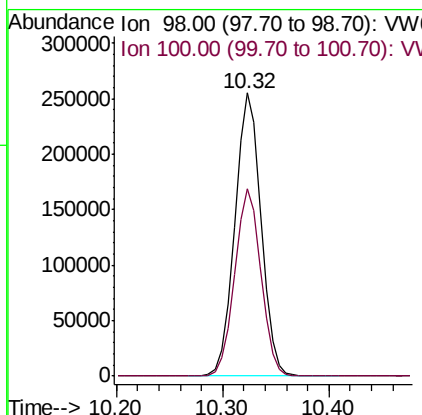
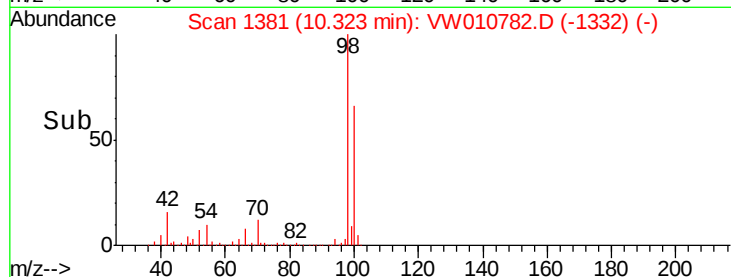
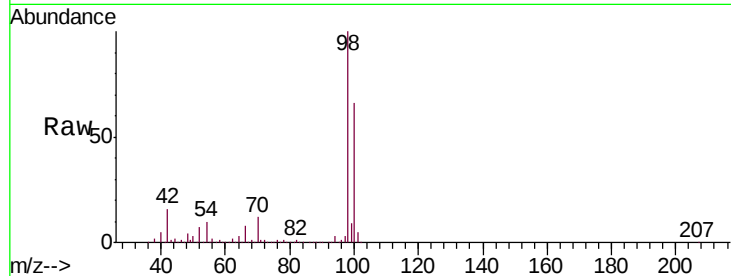




#50
Toluene-d8
Concen: 55.362 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW010782.D
Acq: 12 Jun 2019 17:06

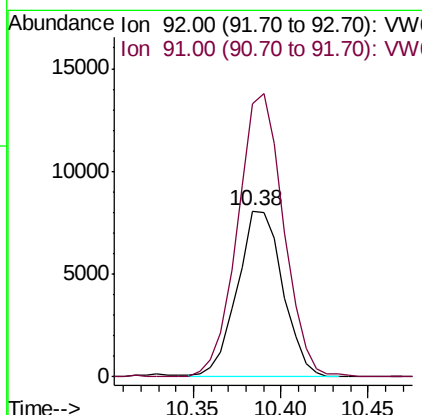
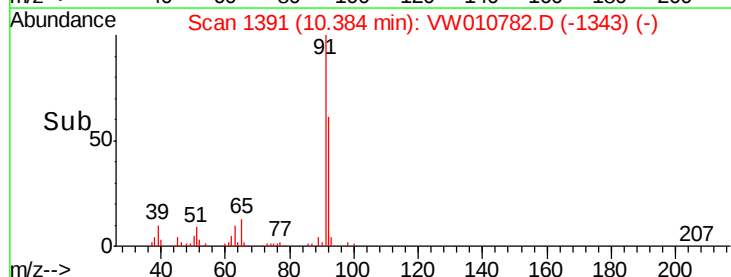
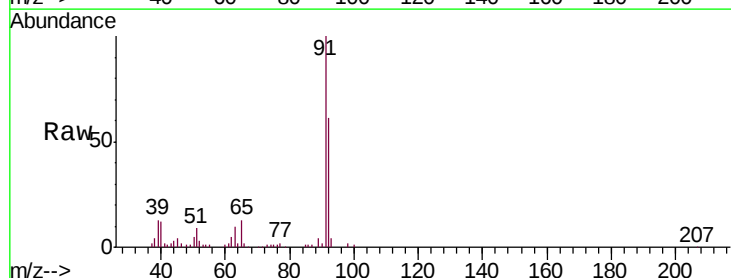
Instrument :
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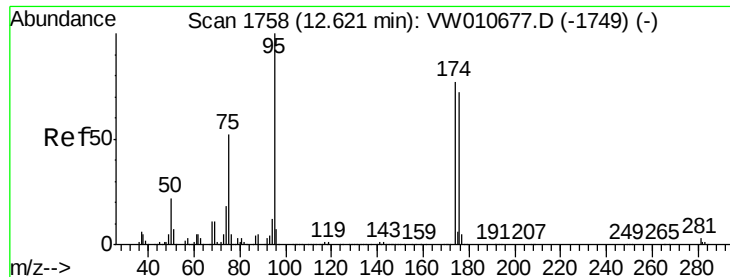
Tgt Ion: 98 Resp: 441283
Ion Ratio Lower Upper
98 100
100 66.0 53.0 79.6



#52
Toluene
Concen: 2.541 ug/l
RT: 10.38 min Scan# 1391
Delta R.T. -0.01 min
Lab File: VW010782.D
Acq: 12 Jun 2019 17:06

Tgt Ion: 92 Resp: 14621
Ion Ratio Lower Upper
92 100
91 172.0 134.9 202.3

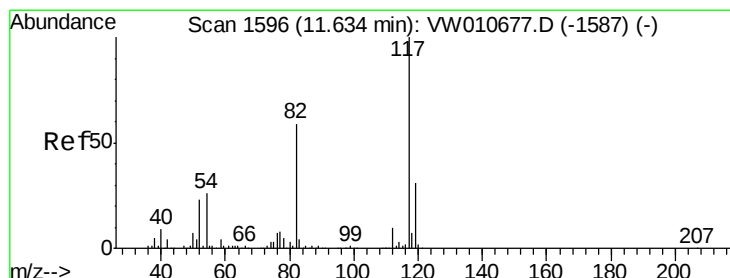
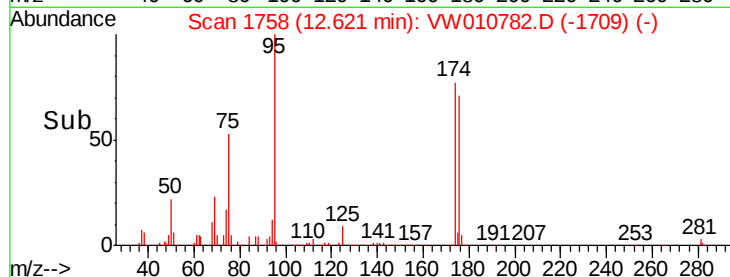
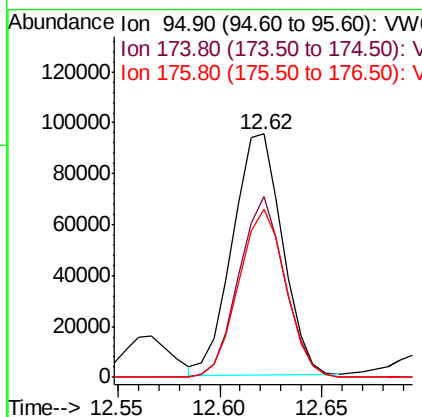
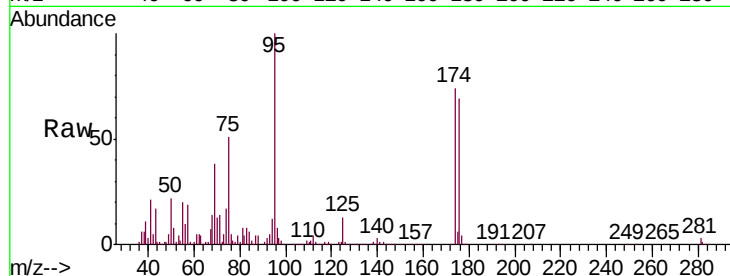




#62
4-Bromofluorobenzene
Concen: 55.442 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW010782.D
Acq: 12 Jun 2019 17:06

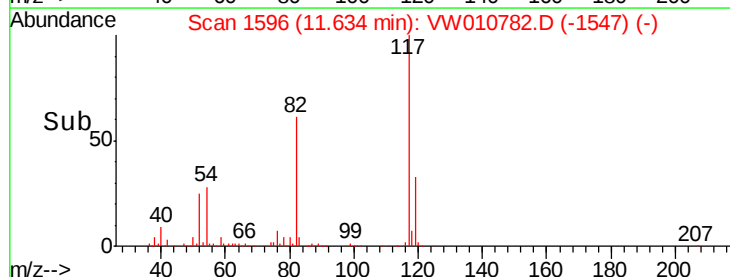
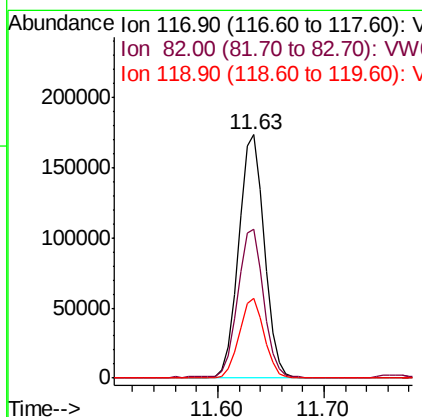
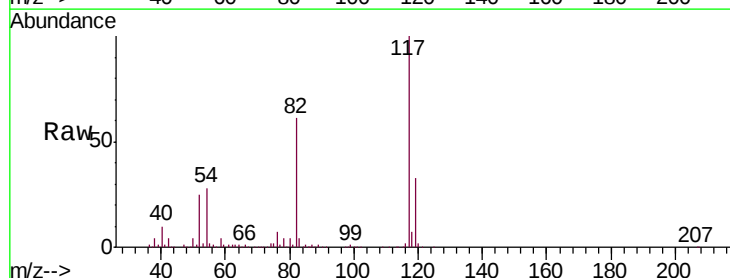
Instrument :
MSVOA_W
ClientSampleId :
M-1-OW(0-10)

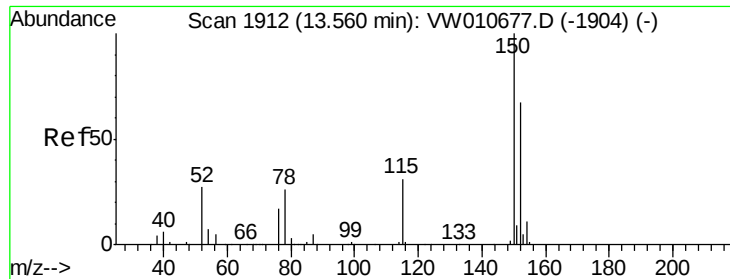
Tgt Ion: 95 Resp: 160809
Ion Ratio Lower Upper
95 100
174 69.1 0.0 150.4
176 66.1 0.0 144.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010782.D
Acq: 12 Jun 2019 17:06

Tgt Ion: 117 Resp: 293411
Ion Ratio Lower Upper
117 100
82 60.8 47.0 70.4
119 32.8 25.1 37.7



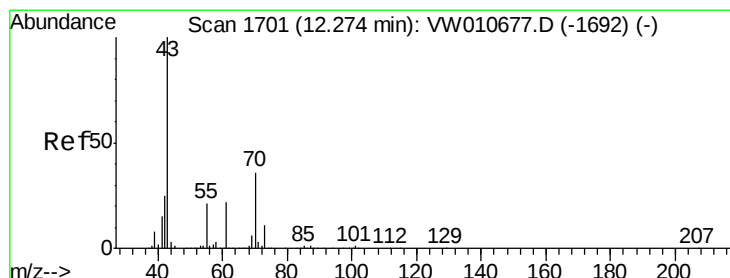
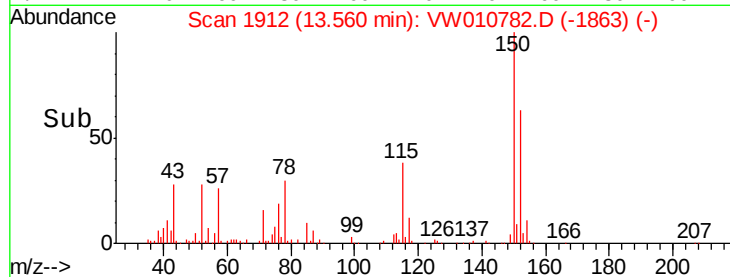
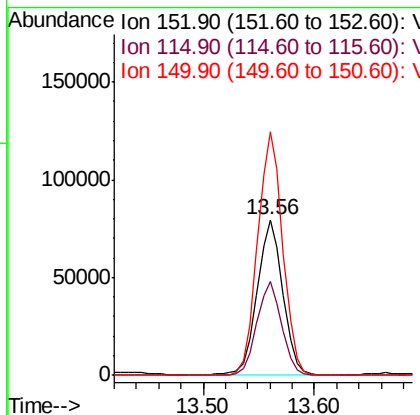
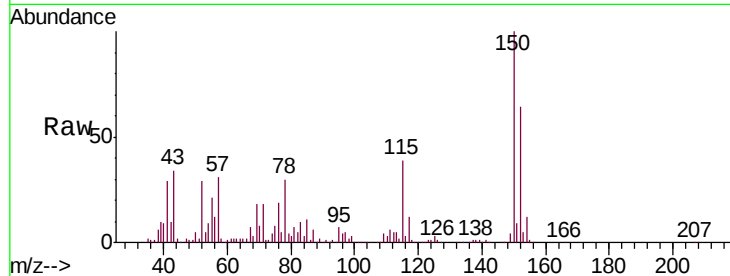


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW010782.D
Acq: 12 Jun 2019 17:06

Instrument :
MSVOA_W
ClientSampleId :
M-1-OW(0-10)

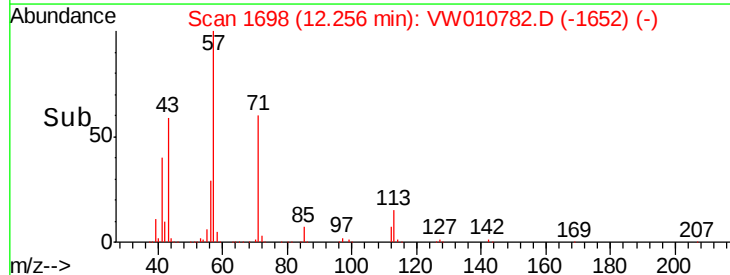
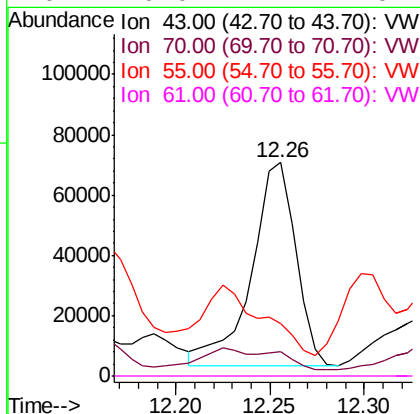
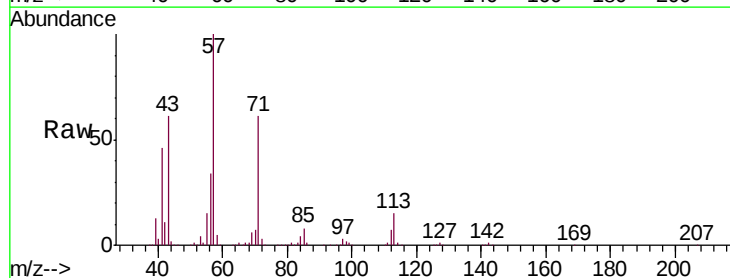
Tgt Ion:152 Resp: 128476
Ion Ratio Lower Upper
152 100
115 57.9 29.8 89.3
150 151.8 0.0 345.0

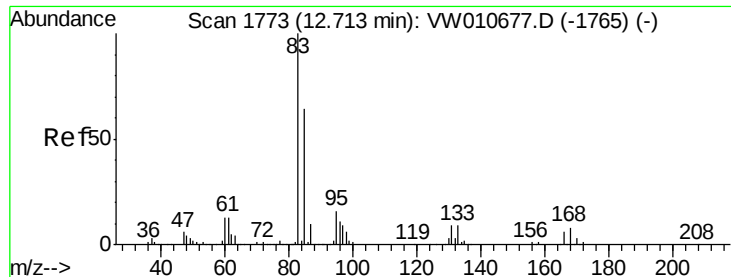


#74

N-ethyl acetate
Concen: 35.188 ug/l
RT: 12.26 min Scan# 1698
Delta R.T. -0.02 min
Lab File: VW010782.D
Acq: 12 Jun 2019 17:06

Tgt Ion: 43 Resp: 109792
Ion Ratio Lower Upper
43 100
70 0.0 29.2 43.8#
55 0.0 17.5 26.3#
61 0.0 17.4 26.2#





#75

1,1,2,2-Tetrachloroethane

Concen: 1.804 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. 0.03 min

Lab File: VW010782.D

Acq: 12 Jun 2019 17:06

Instrument :

MSVOA_W

ClientSampleId :

M-1-OW(0-10)

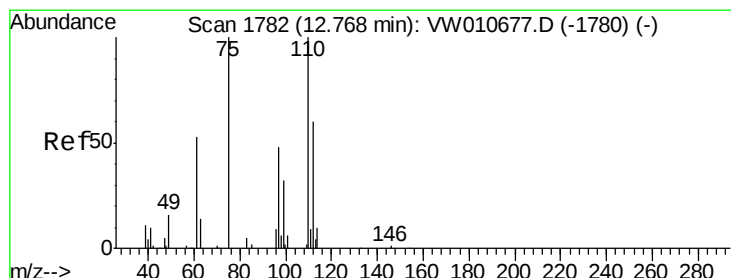
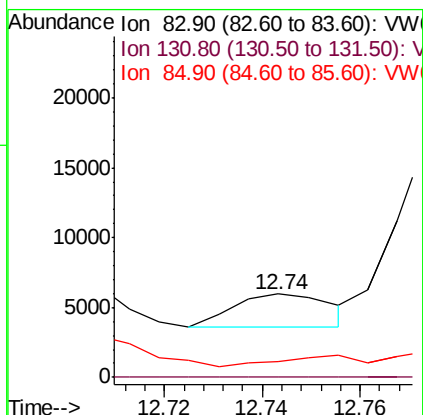
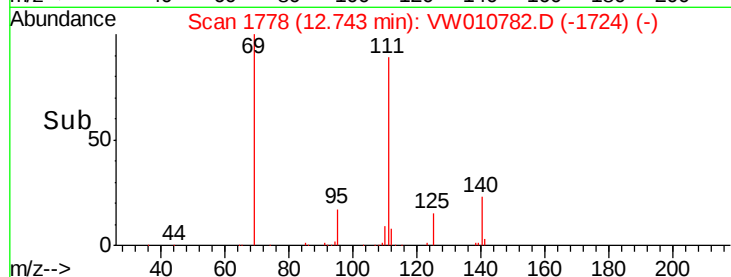
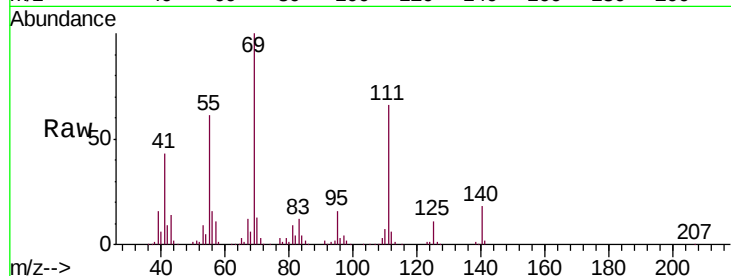
Tgt Ion: 83 Resp: 3316

Ion Ratio Lower Upper

83 100

131 0.0 4.9 14.7#

85 0.0 31.9 95.9#



#76

1,2,3-Trichloropropane

Concen: 61.086 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW010782.D

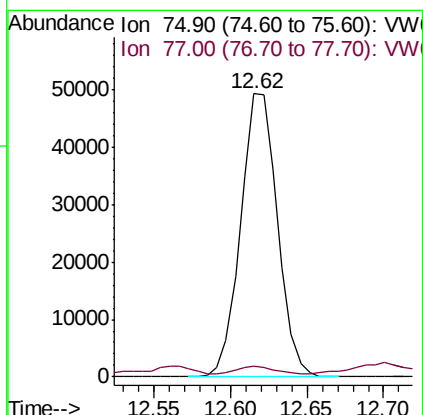
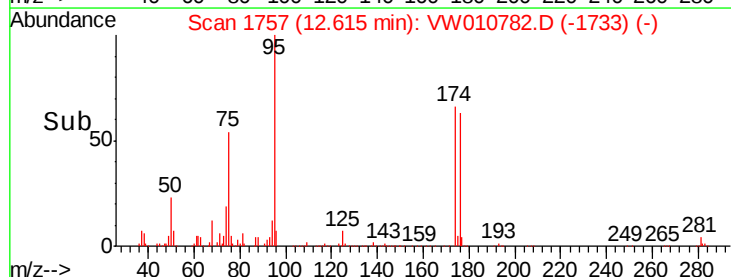
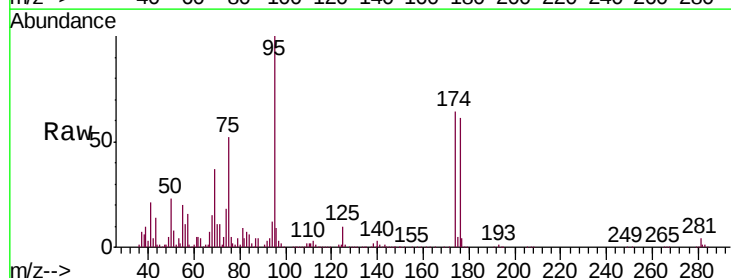
Acq: 12 Jun 2019 17:06

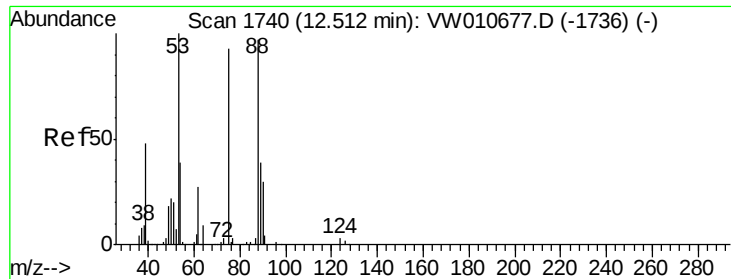
Tgt Ion: 75 Resp: 82416

Ion Ratio Lower Upper

75 100

77 3.1 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 140.396 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW010782.D

Acq: 12 Jun 2019 17:06

Instrument :

MSVOA_W

ClientSampleId :

M-1-OW(0-10)

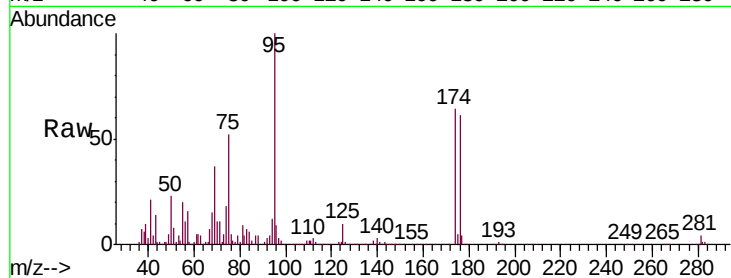
Tgt Ion: 75 Resp: 82416

Ion Ratio Lower Upper

75 100

53 4.4 90.1 135.1#

89 0.0 34.6 52.0#



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

