

Data File : VW010785.D
Acq On : 12 Jun 2019 18:31
Operator : SY/VA
Sample : K3294-03RE
Misc : 4.46G/5ML/MSVOA_W/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
S2(0-5)

Quant Time: Jun 13 07:39:10 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	200830	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	354476	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	303655	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	125148	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	142583	60.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	120.46%	
35) Dibromofluoromethane	7.88	113	58752	30.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	61.08%	
50) Toluene-d8	10.32	98	459211	54.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.86%	
62) 4-Bromofluorobenzene	12.62	95	155569	50.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.34%	

Target Compounds

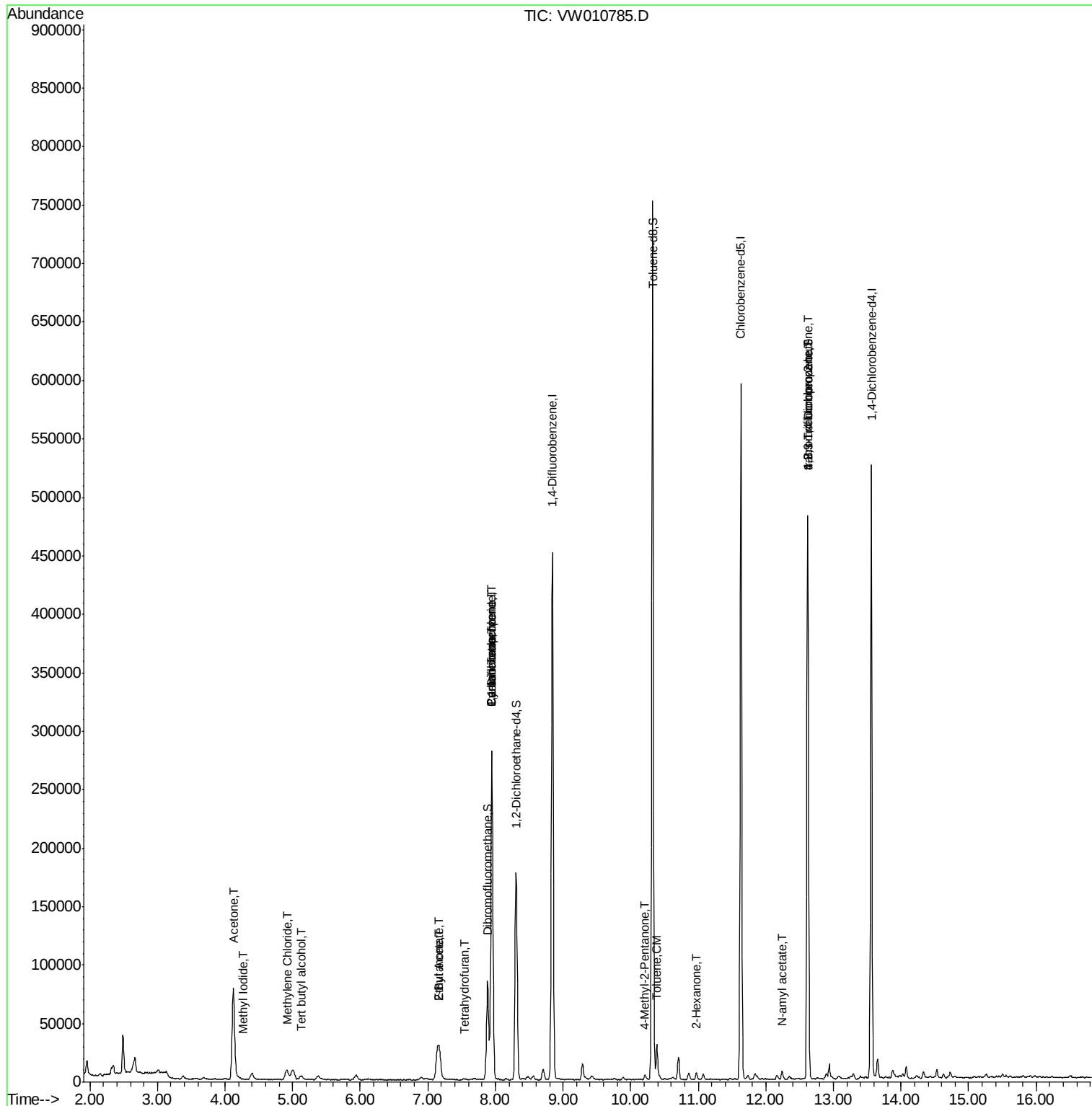
						Qvalue
10) Methyl Iodide	4.28	142	187	4.880	ug/l #	64
11) Tert butyl alcohol	5.12	59	3757	19.482	ug/l #	72
16) Acetone	4.12	43	139295	219.616	ug/l	99
20) Methylene Chloride	4.91	84	5549	2.494	ug/l	89
25) 2-Butanone	7.17	43	36568	41.578	ug/l	96
29) Tetrahydrofuran	7.54	42	737	1.332	ug/l #	62
31) Cyclohexane	7.94	56	5543	1.161	ug/l #	21
36) 1,1-Dichloropropene	7.95	75	17841	4.917	ug/l #	51
37) Ethyl Acetate	7.17	43	36568	18.187	ug/l #	72
38) Carbon Tetrachloride	7.95	117	20432	6.523	ug/l #	17
51) 4-Methyl-2-Pentanone	10.21	43	3406	1.716	ug/l	100
52) Toluene	10.38	92	12428	2.041	ug/l	100
59) 2-Hexanone	10.97	43	4719	3.290	ug/l	98
74) N-amyl acetate	12.24	43	4956	1.631	ug/l #	57
76) 1,2,3-Trichloropropane	12.62	75	85573	65.113	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	85573	149.651	ug/l #	5

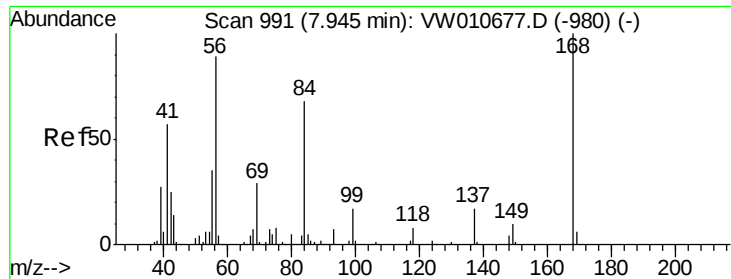
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW010785.D

Acq: 12 Jun 2019 18:31

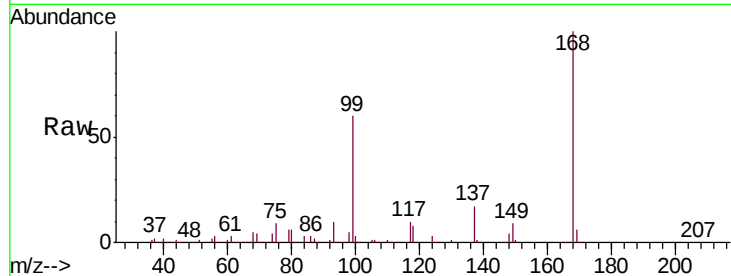
Instrument :
MSVOA_W
ClientSampled :
S2(0-5)

Tgt Ion:168 Resp: 200830

Ion Ratio Lower Upper

168 100

99 60.0 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

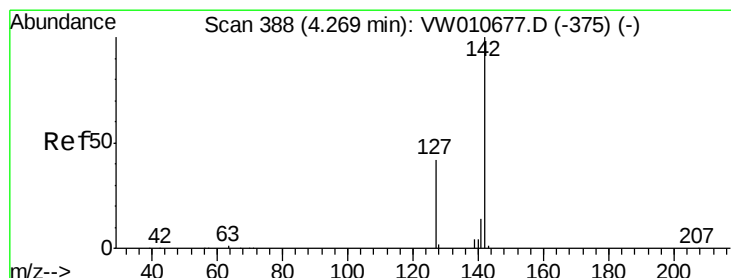
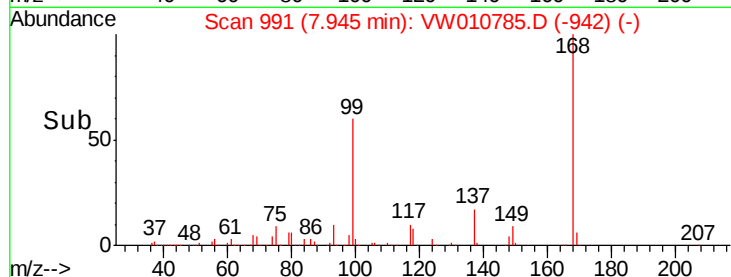
60000

40000

20000

0

Time-->



#10

Methyl Iodide

Concen: 4.880 ug/l

RT: 4.28 min Scan# 389

Delta R.T. 0.01 min

Lab File: VW010785.D

Acq: 12 Jun 2019 18:31

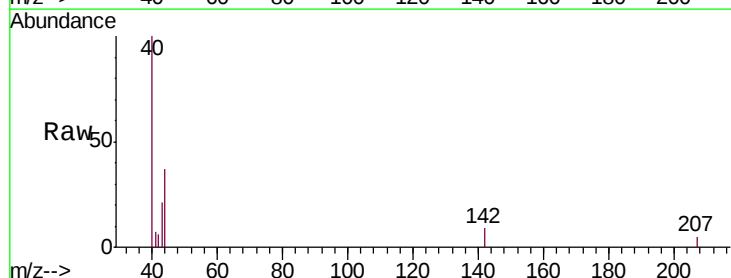
Tgt Ion:142 Resp: 187

Ion Ratio Lower Upper

142 100

127 20.3 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

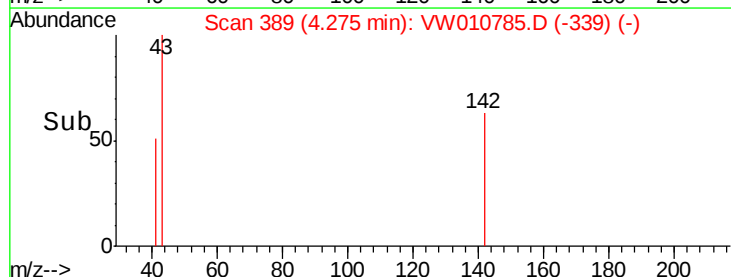
150

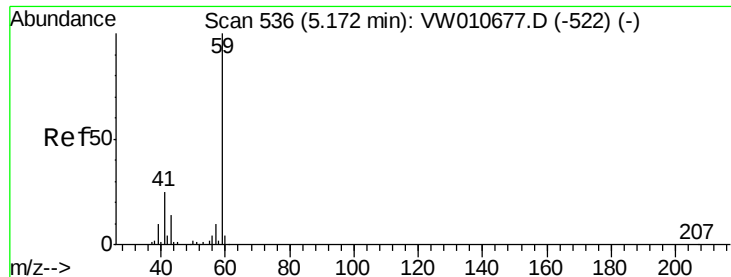
100

50

0

Time-->

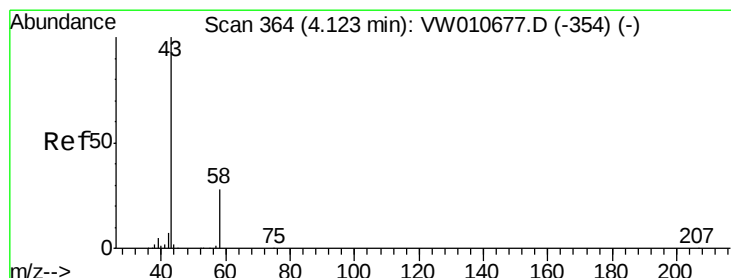
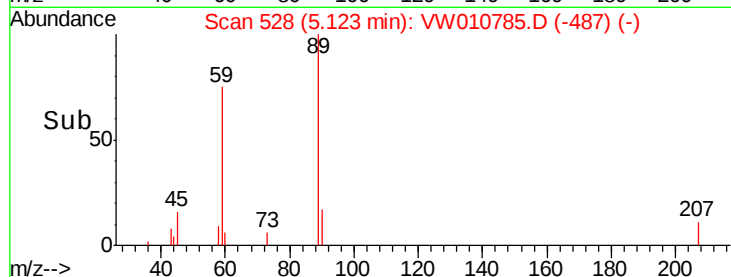
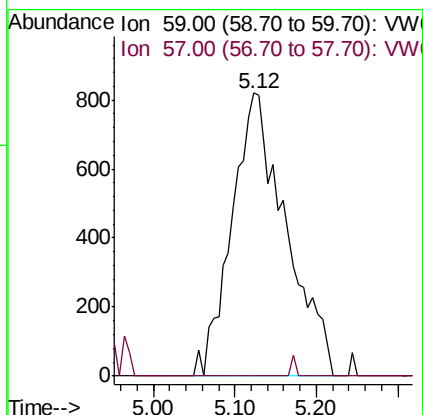
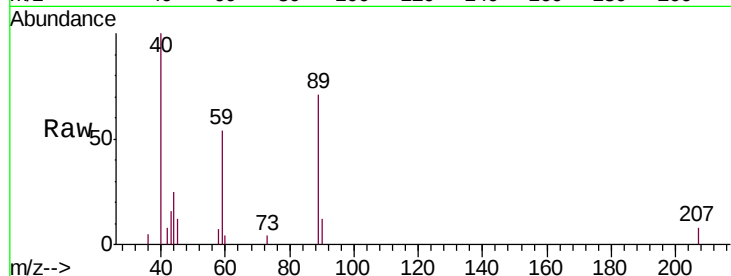




#11
Tert butyl alcohol
Concen: 19.482 ug/l
RT: 5.12 min Scan# 528
Delta R.T. -0.05 min
Lab File: VW010785.D
Acq: 12 Jun 2019 18:31

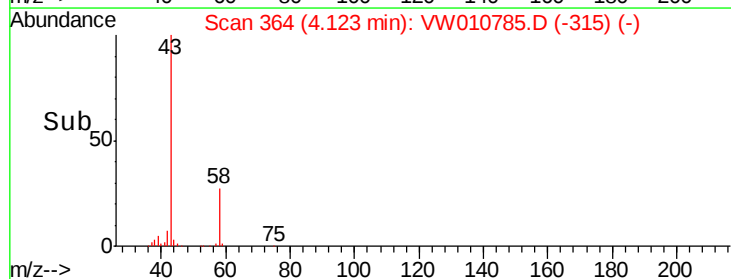
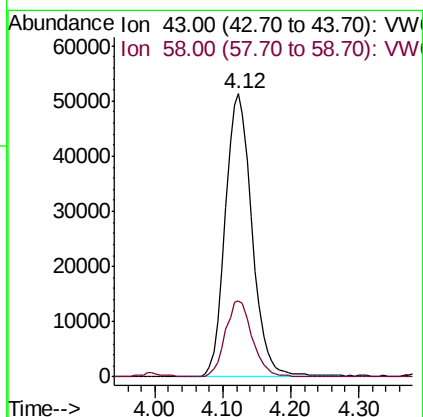
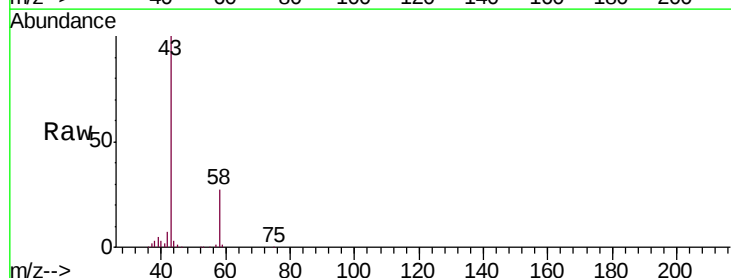
Instrument :
MSVOA_W
ClientSampleId :
S2(0-5)

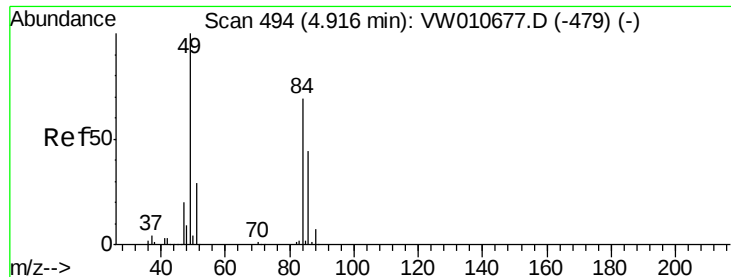
Tgt Ion: 59 Resp: 3757
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



#16
Acetone
Concen: 219.616 ug/l
RT: 4.12 min Scan# 364
Delta R.T. -0.00 min
Lab File: VW010785.D
Acq: 12 Jun 2019 18:31

Tgt Ion: 43 Resp: 139295
Ion Ratio Lower Upper
43 100
58 27.0 22.1 33.1

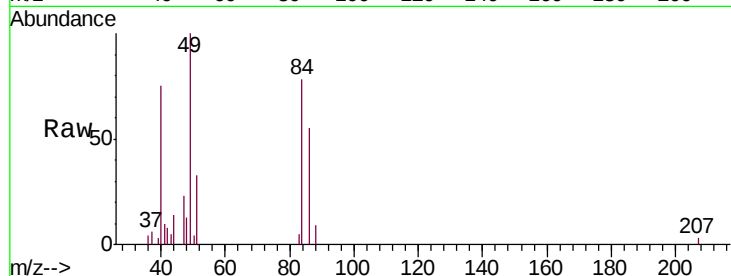




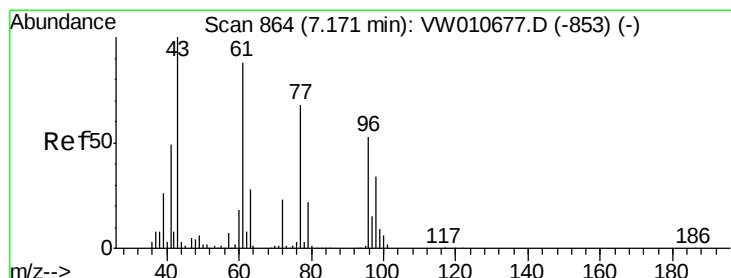
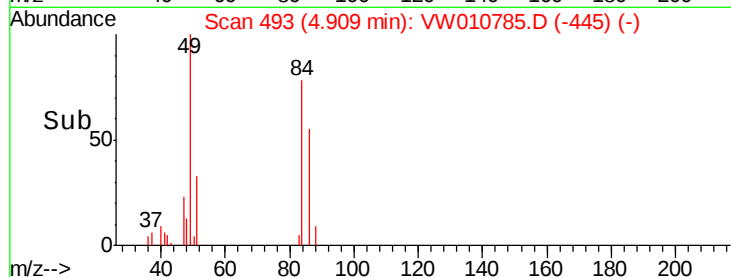
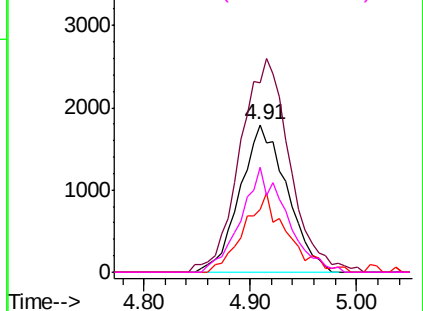
#20
Methylene Chloride
Concen: 2.494 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW010785.D
Acq: 12 Jun 2019 18:31

Instrument :
MSVOA_W
ClientSampleId :
S2(0-5)

Tgt Ion: 84 Resp: 5549
Ion Ratio Lower Upper
84 100
49 128.0 116.7 175.1
51 42.9 34.2 51.2
86 70.9 51.2 76.8

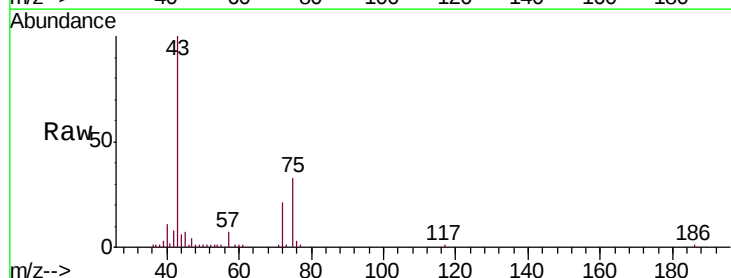


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

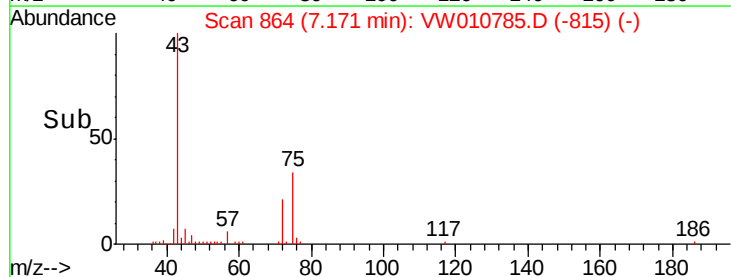
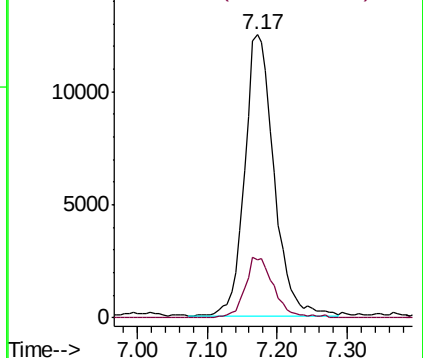


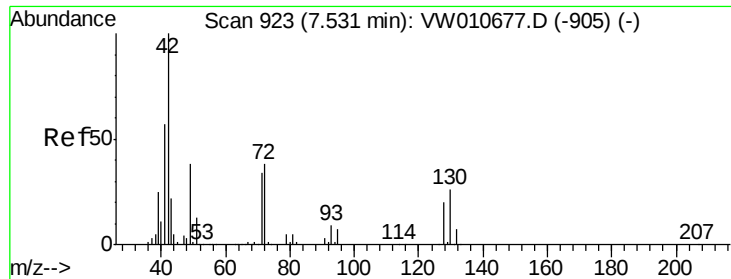
#25
2-Butanone
Concen: 41.578 ug/l
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW010785.D
Acq: 12 Jun 2019 18:31

Tgt Ion: 43 Resp: 36568
Ion Ratio Lower Upper
43 100
72 20.8 18.1 27.1



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

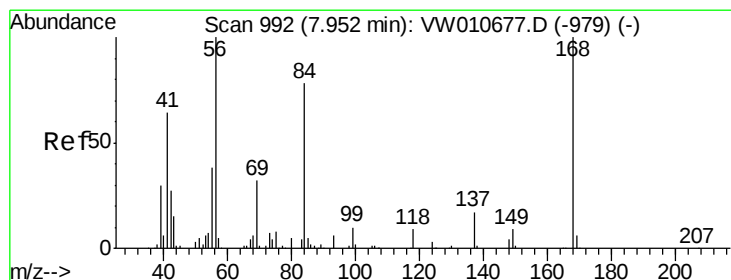
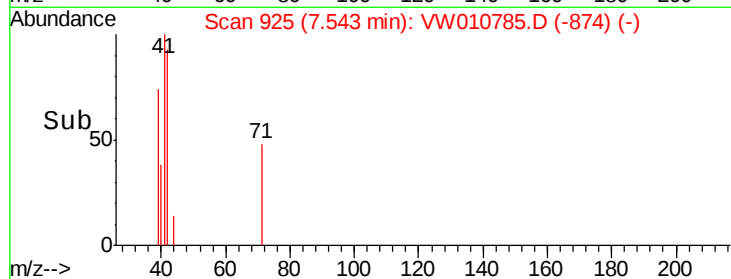
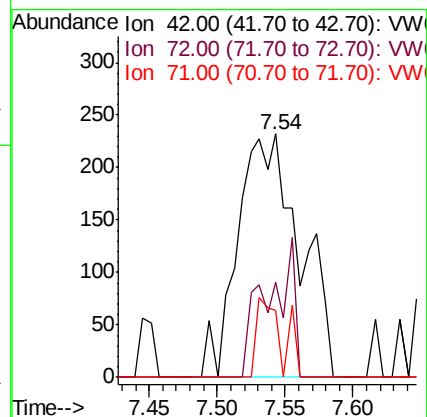
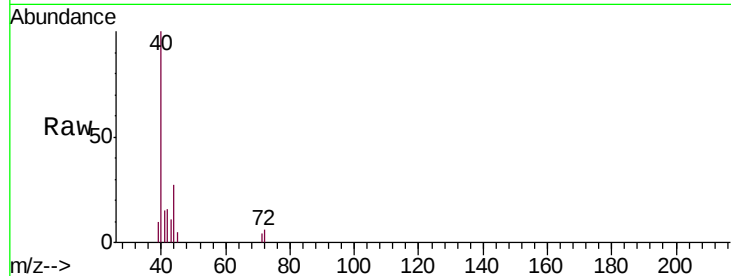




#29
Tetrahydrofuran
Concen: 1.332 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.01 min
Lab File: VW010785.D
Acq: 12 Jun 2019 18:31

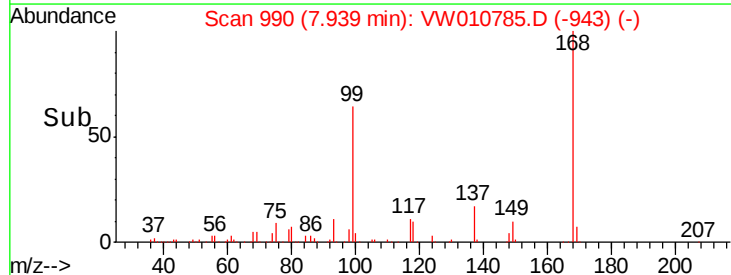
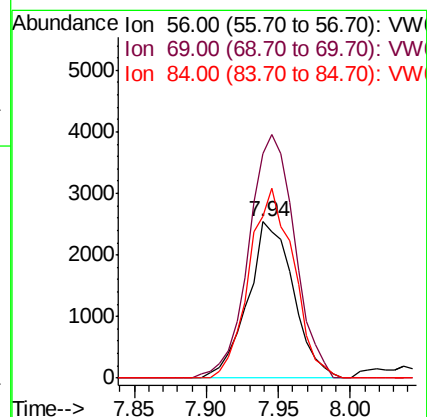
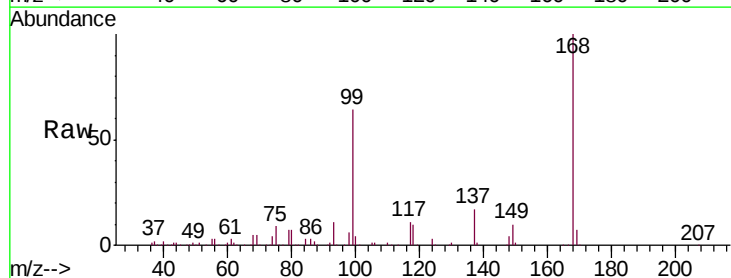
Instrument :
MSVOA_W
ClientSampleId :
S2(0-5)

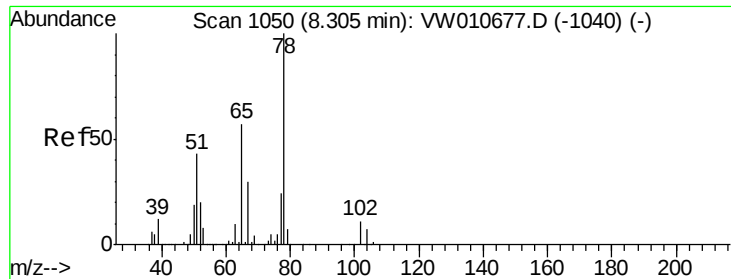
Tgt Ion: 42 Resp: 737
Ion Ratio Lower Upper
42 100
72 11.4 28.7 43.1#
71 13.7 26.6 39.8#



#31
Cyclohexane
Concen: 1.161 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.01 min
Lab File: VW010785.D
Acq: 12 Jun 2019 18:31

Tgt Ion: 56 Resp: 5543
Ion Ratio Lower Upper
56 100
69 143.6 25.2 37.8#
84 103.4 62.2 93.2#

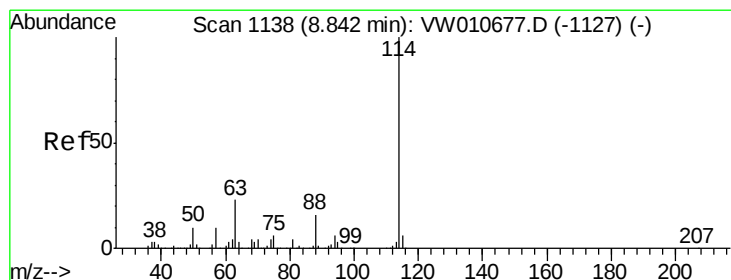
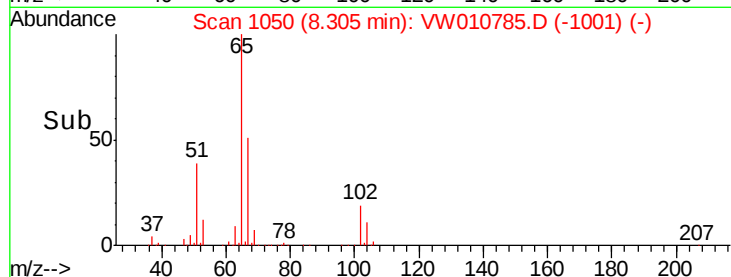
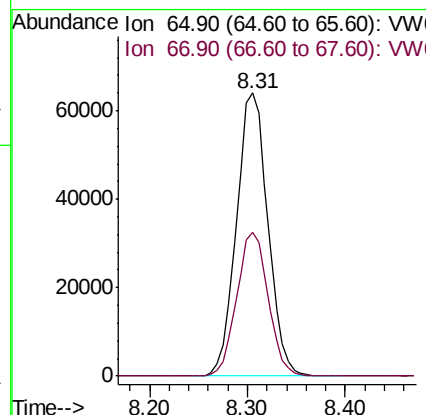
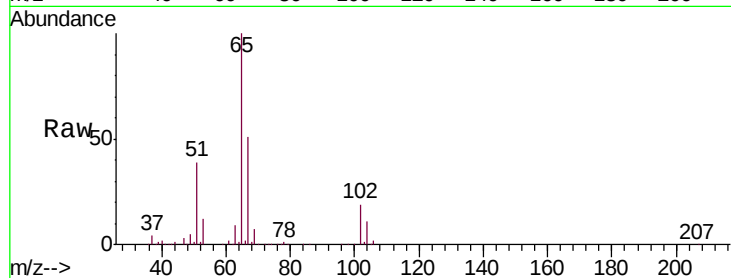




#33
 1,2-Dichloroethane-d4
 Concen: 60.235 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW010785.D
 Acq: 12 Jun 2019 18:31

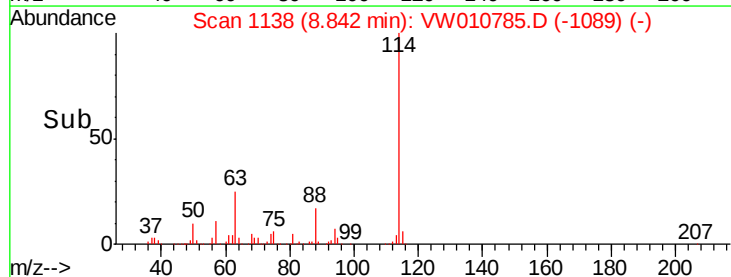
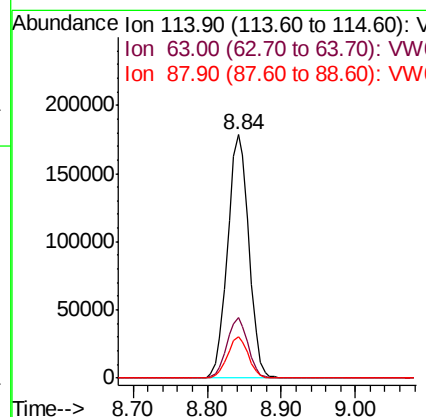
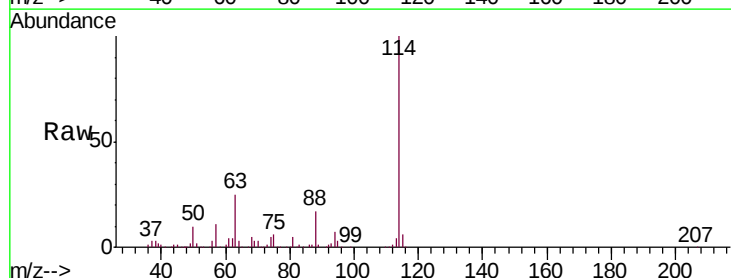
Instrument :
 MSVOA_W
 ClientSampleId :
 S2(0-5)

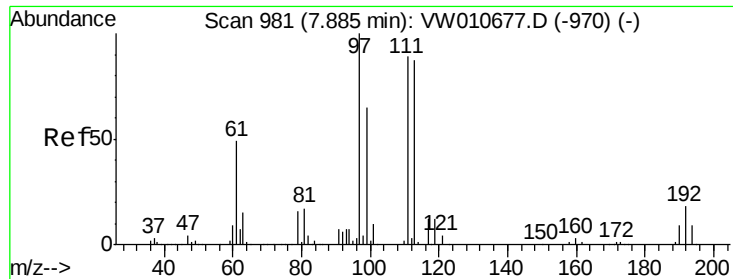
Tgt Ion: 65 Resp: 142583
 Ion Ratio Lower Upper
 65 100
 67 50.9 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW010785.D
 Acq: 12 Jun 2019 18:31

Tgt Ion: 114 Resp: 354476
 Ion Ratio Lower Upper
 114 100
 63 25.0 0.0 46.4
 88 16.8 0.0 32.2

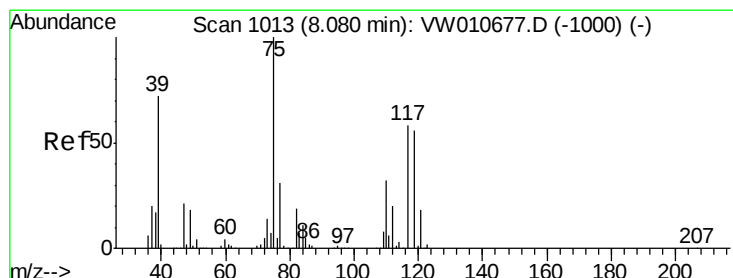
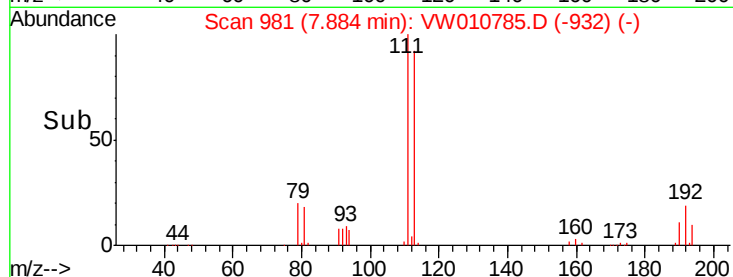
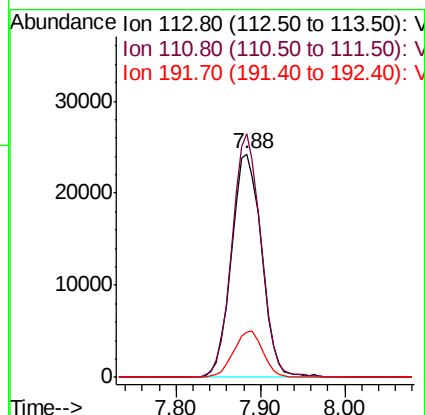
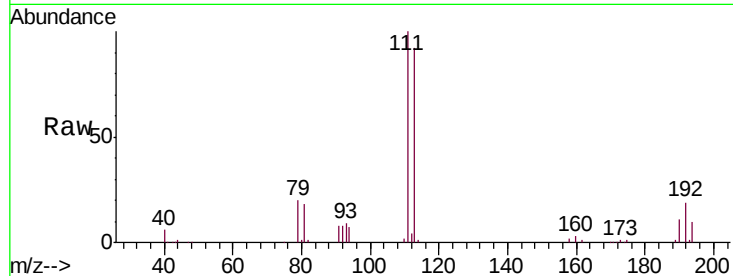




#35
 Dibromofluoromethane
 Concen: 30.536 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW010785.D
 Acq: 12 Jun 2019 18:31

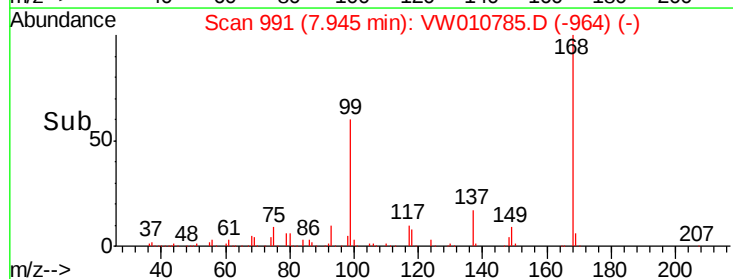
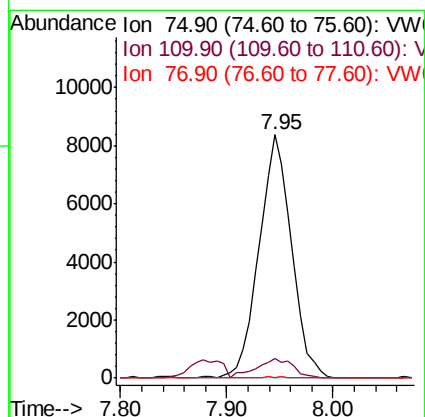
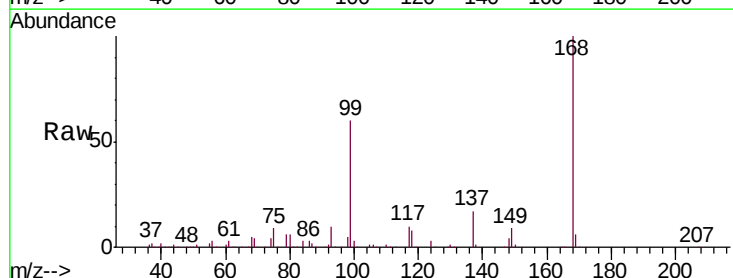
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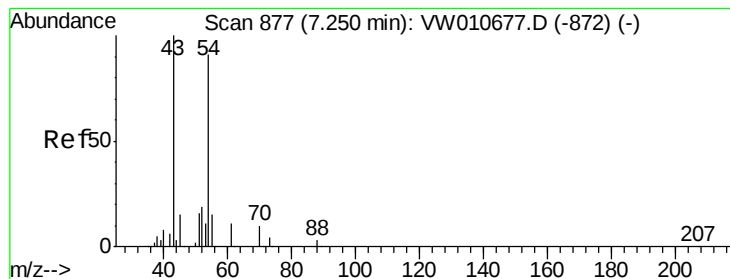
Tgt Ion:113 Resp: 58752
 Ion Ratio Lower Upper
 113 100
 111 105.0 82.6 123.8
 192 20.0 16.4 24.6



#36
 1,1-Dichloropropene
 Concen: 4.917 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW010785.D
 Acq: 12 Jun 2019 18:31

Tgt Ion: 75 Resp: 17841
 Ion Ratio Lower Upper
 75 100
 110 8.4 15.8 47.3#
 77 0.1 24.7 37.1#





#37

Ethyl Acetate

Concen: 18.187 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.08 min

Lab File: VW010785.D

Acq: 12 Jun 2019 18:31

Instrument :

MSVOA_W

ClientSampleId :

S2(0-5)

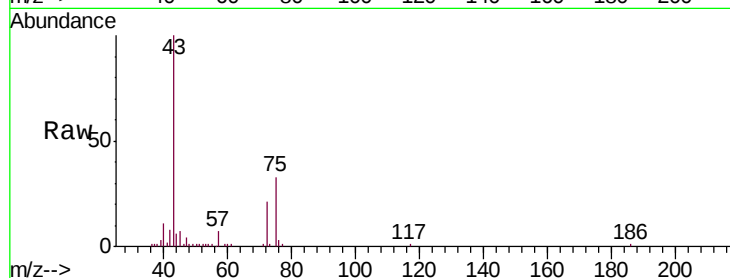
Tgt Ion: 43 Resp: 36568

Ion Ratio Lower Upper

43 100

61 0.0 9.7 14.5#

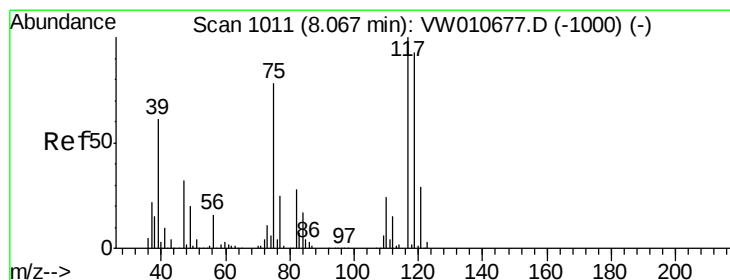
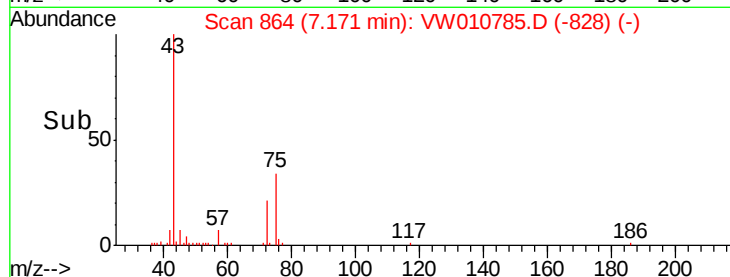
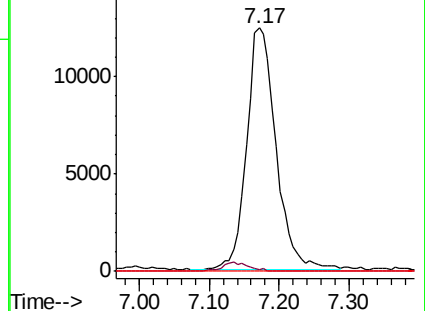
70 0.0 7.2 10.8#



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: 6.523 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW010785.D

Acq: 12 Jun 2019 18:31

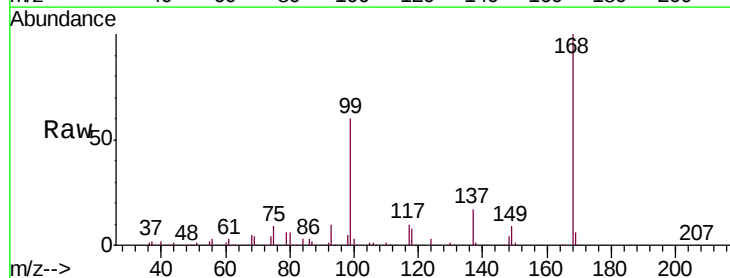
Tgt Ion: 117 Resp: 20432

Ion Ratio Lower Upper

117 100

119 4.2 74.2 111.4#

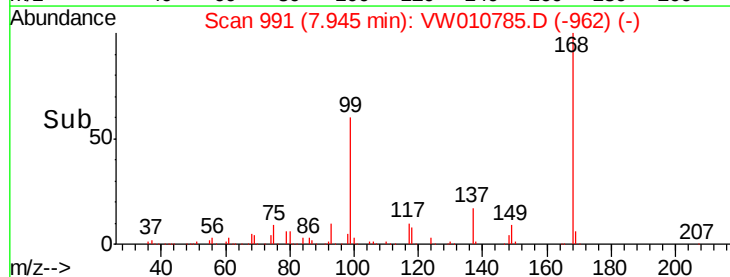
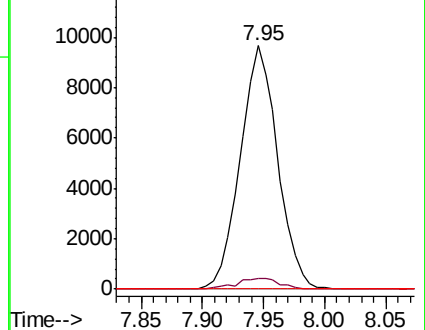
121 0.0 22.9 34.3#

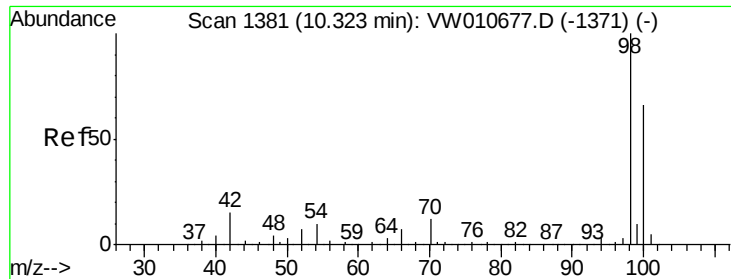


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 54.428 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW010785.D

Acq: 12 Jun 2019 18:31

Instrument :

MSVOA_W

ClientSampled :

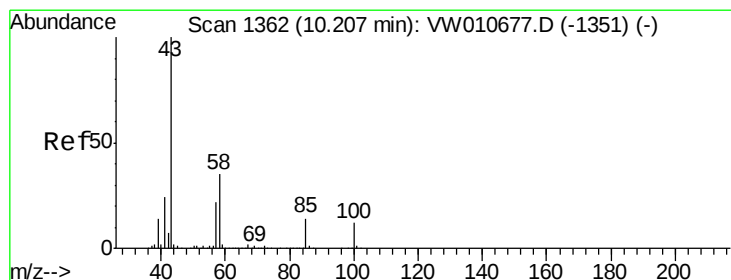
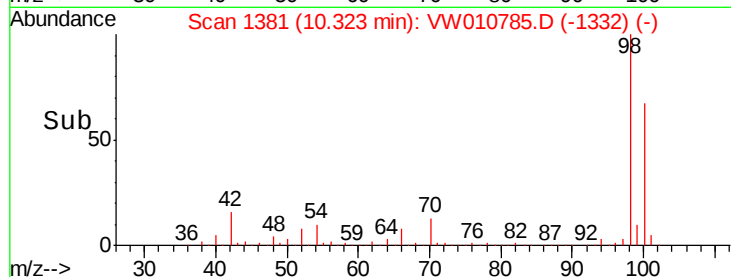
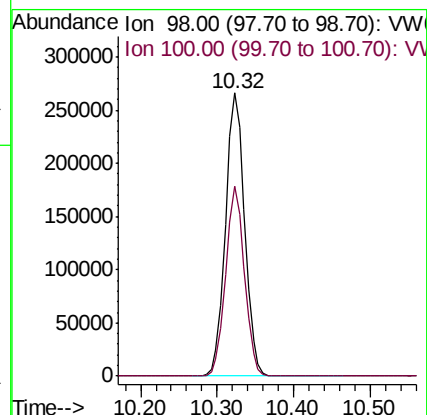
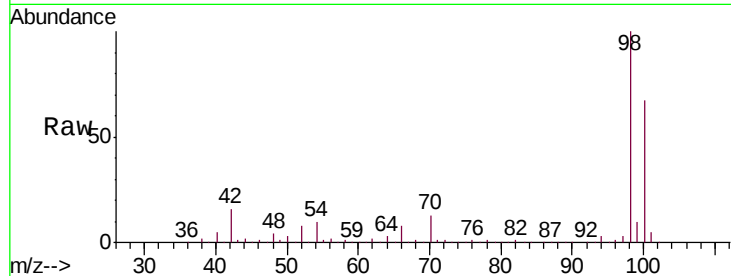
S2(0-5)

Tgt Ion: 98 Resp: 459211

Ion Ratio Lower Upper

98 100

100 65.7 53.0 79.6



#51

4-Methyl-2-Pentanone

Concen: 1.716 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW010785.D

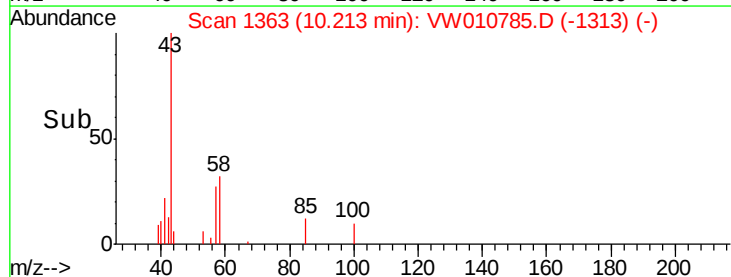
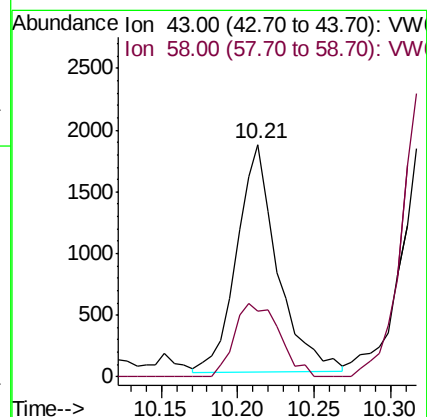
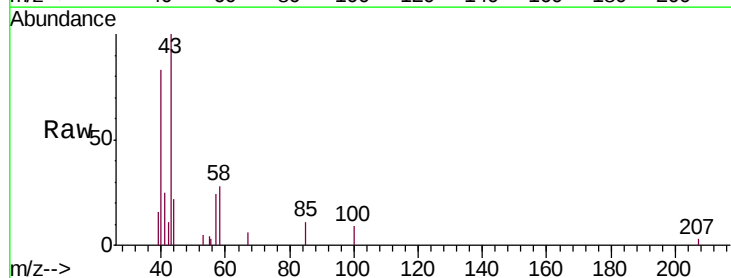
Acq: 12 Jun 2019 18:31

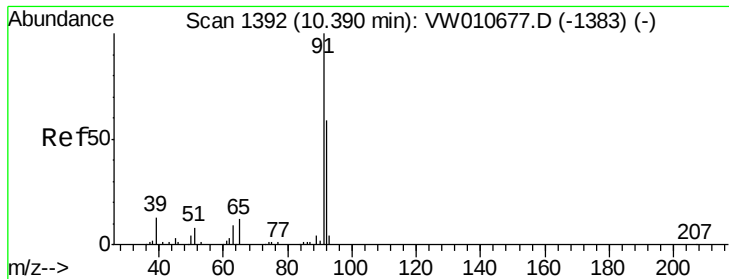
Tgt Ion: 43 Resp: 3406

Ion Ratio Lower Upper

43 100

58 35.6 28.4 42.6





#52

Toluene

Concen: 2.041 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW010785.D

Acq: 12 Jun 2019 18:31

Instrument :

MSVOA_W

ClientSampleId :

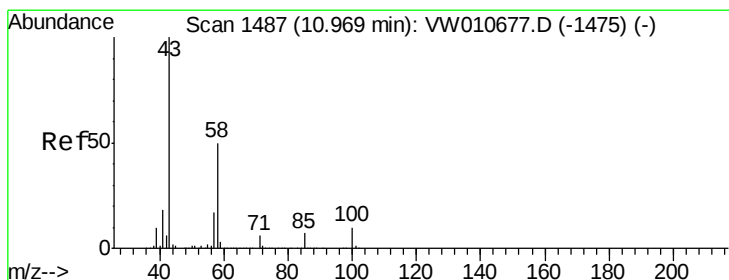
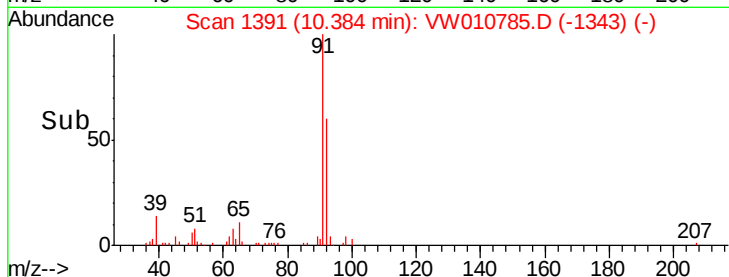
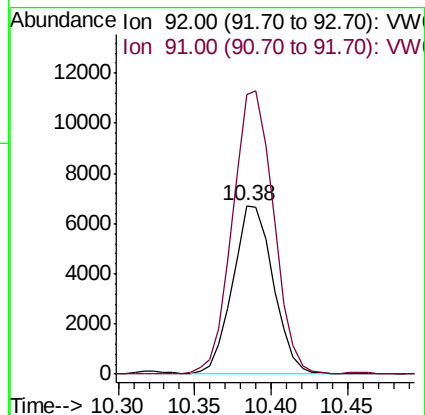
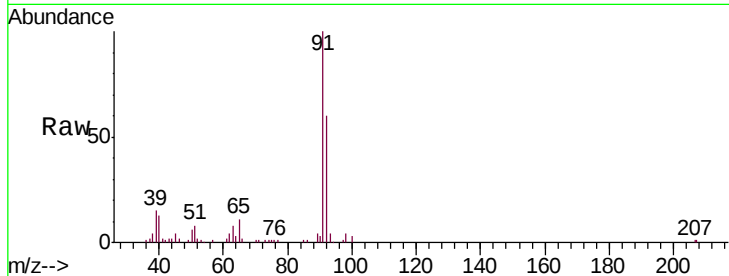
S2(0-5)

Tgt Ion: 92 Resp: 12428

Ion Ratio Lower Upper

92 100

91 169.0 134.9 202.3



#59

2-Hexanone

Concen: 3.290 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW010785.D

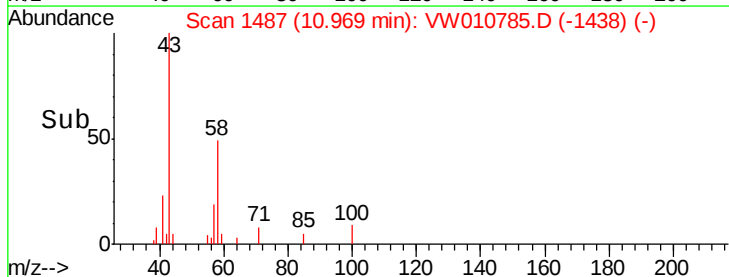
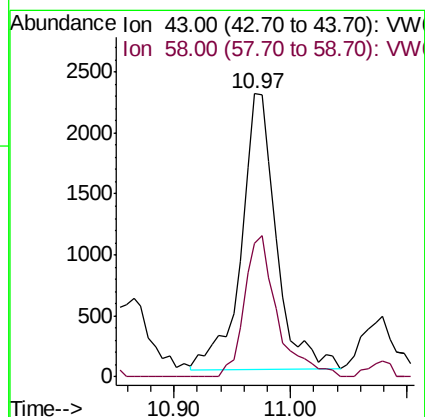
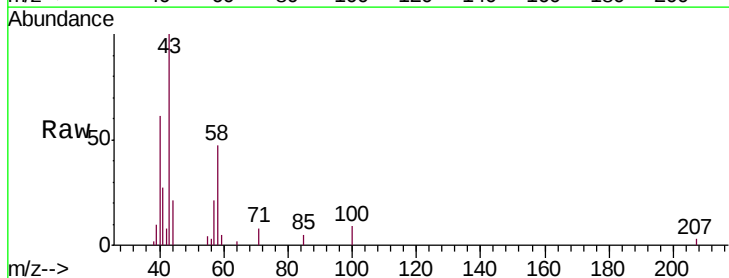
Acq: 12 Jun 2019 18:31

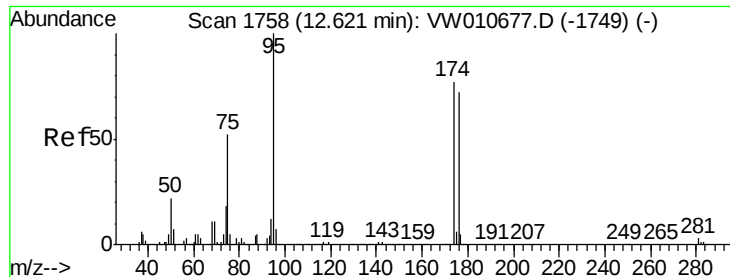
Tgt Ion: 43 Resp: 4719

Ion Ratio Lower Upper

43 100

58 48.2 24.9 74.6

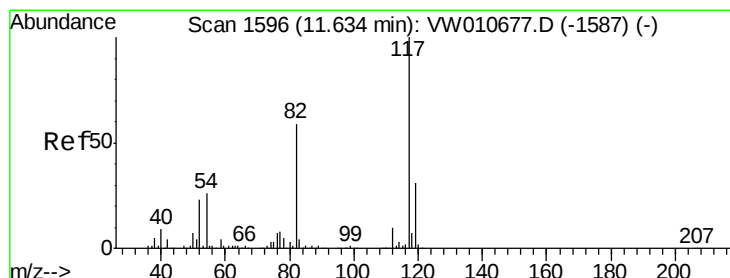
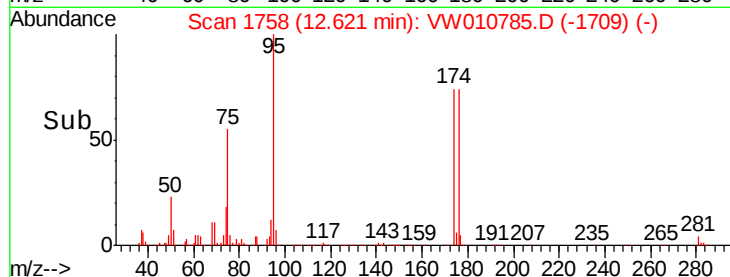
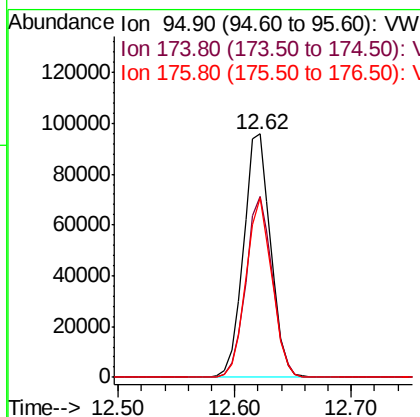
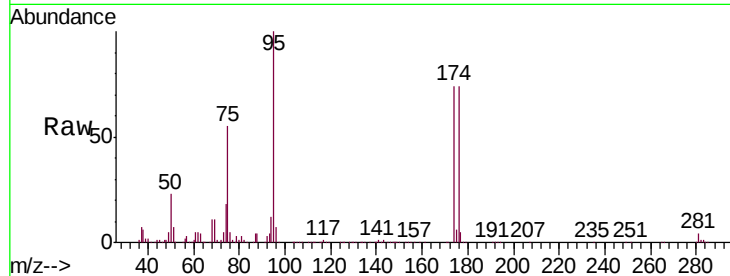




#62
4-Bromofluorobenzene
Concen: 50.672 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW010785.D
Acq: 12 Jun 2019 18:31

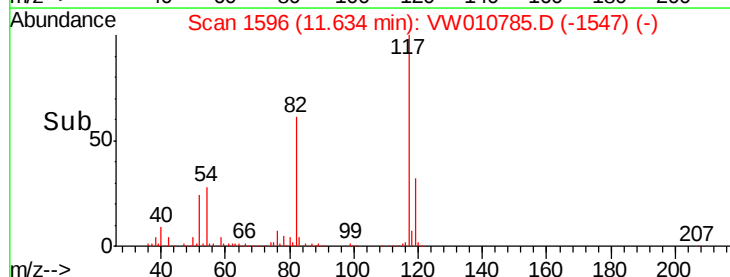
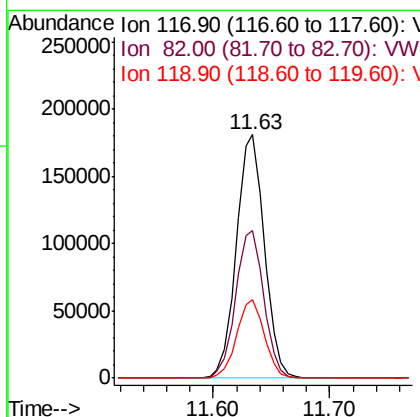
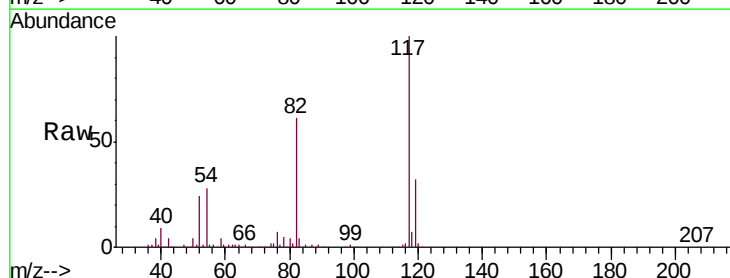
Instrument :
MSVOA_W
ClientSampleId :
S2(0-5)

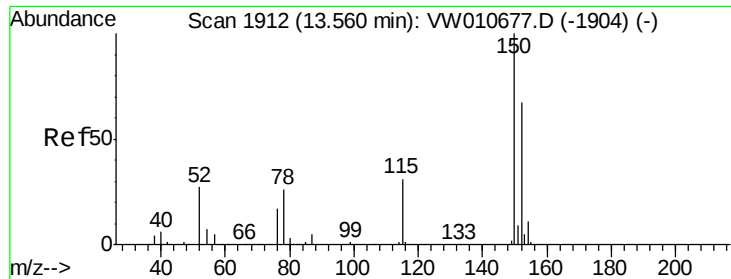
Tgt Ion: 95 Resp: 155569
Ion Ratio Lower Upper
95 100
174 72.9 0.0 150.4
176 70.7 0.0 144.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010785.D
Acq: 12 Jun 2019 18:31

Tgt Ion: 117 Resp: 303655
Ion Ratio Lower Upper
117 100
82 60.8 47.0 70.4
119 32.2 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: VW010785.D

Acq: 12 Jun 2019 18:31

Instrument :

MSVOA_W

ClientSampleId :

S2(0-5)

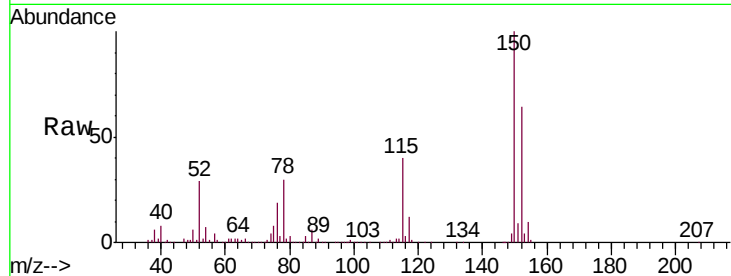
Tgt Ion:152 Resp: 125148

Ion Ratio Lower Upper

152 100

115 61.1 29.8 89.3

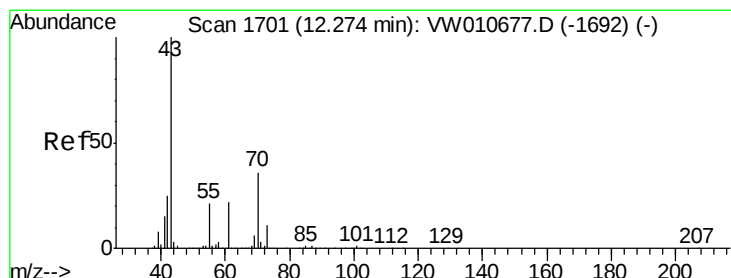
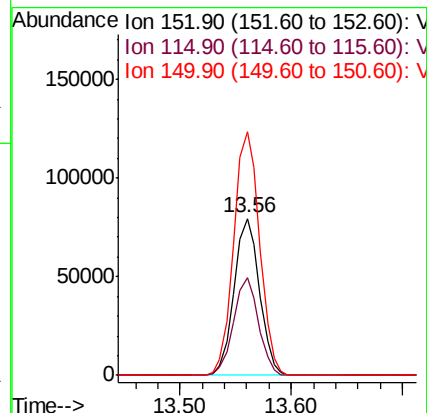
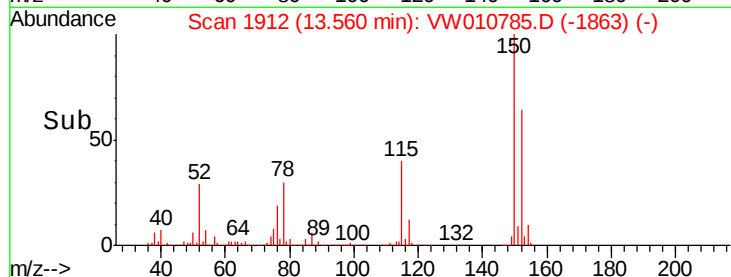
150 158.4 0.0 345.0



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



#74

N-ethyl acetate

Concen: 1.631 ug/l

RT: 12.24 min Scan# 1695

Delta R.T. -0.04 min

Lab File: VW010785.D

Acq: 12 Jun 2019 18:31

Tgt Ion: 43 Resp: 4956

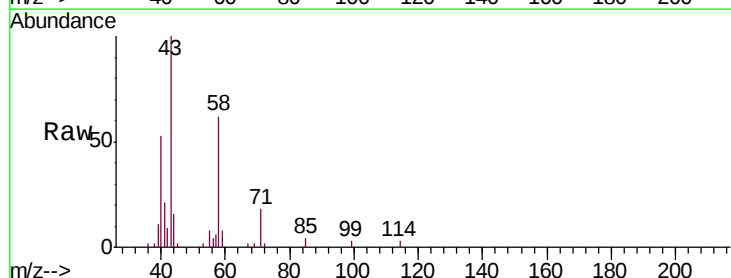
Ion Ratio Lower Upper

43 100

70 3.9 29.2 43.8#

55 13.2 17.5 26.3#

61 0.0 17.4 26.2#

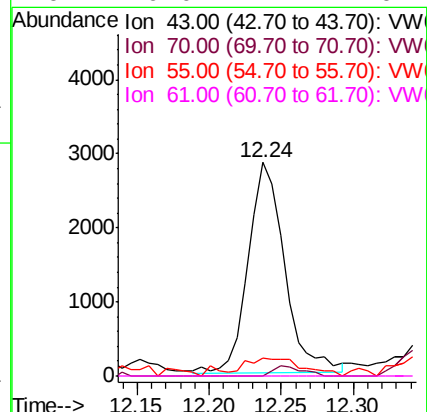
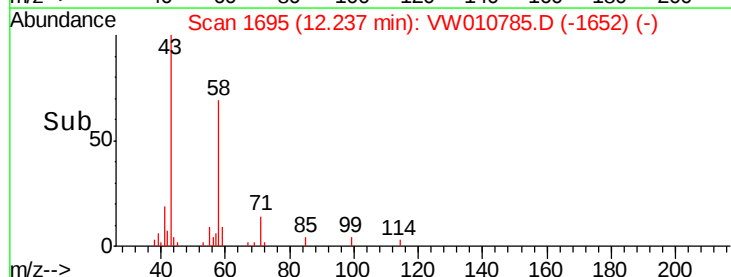


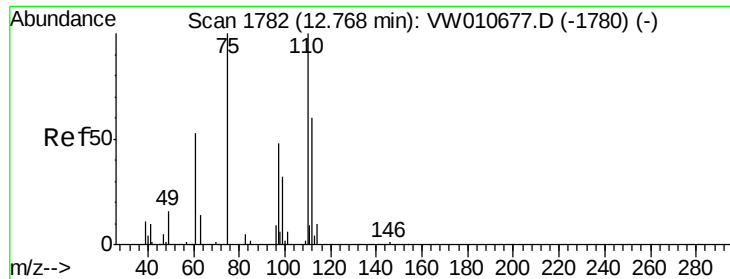
Abundance Ion 43.00 (42.70 to 43.70): VW

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: 65.113 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW010785.D

Acq: 12 Jun 2019 18:31

Instrument :

MSVOA_W

ClientSampleId :

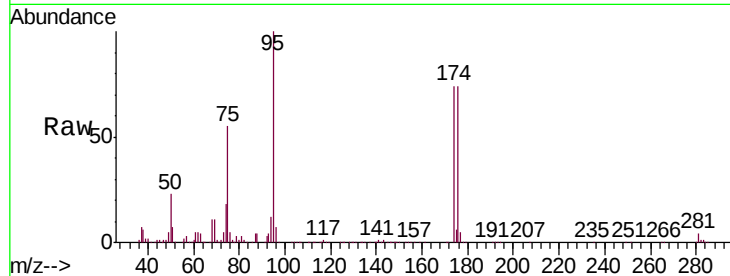
S2(0-5)

Tgt Ion: 75 Resp: 85573

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

60000

50000

40000

30000

20000

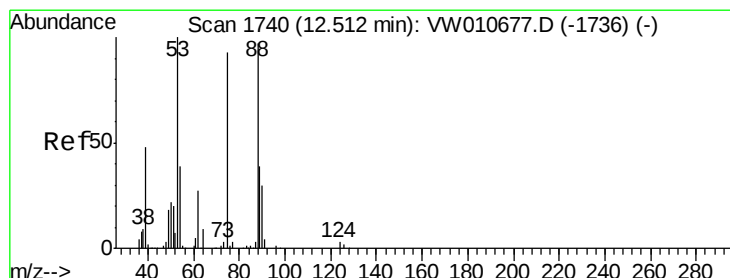
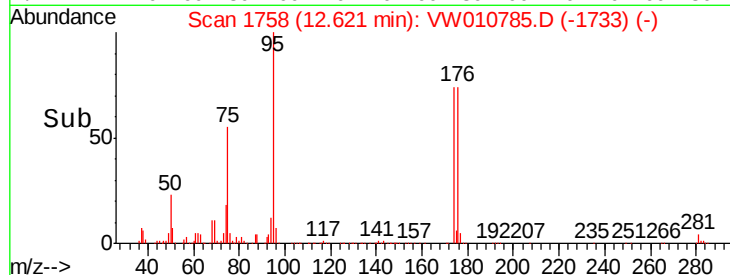
10000

0

12.62

12.60 12.70

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 149.651 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW010785.D

Acq: 12 Jun 2019 18:31

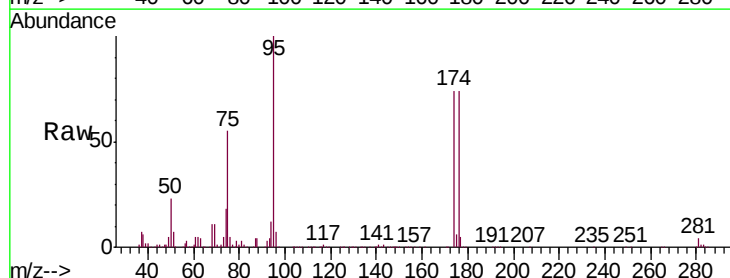
Tgt Ion: 75 Resp: 85573

Ion Ratio Lower Upper

75 100

53 0.0 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

60000

40000

20000

0

12.62

12.60 12.70

Time-->

