

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW112718\
 Data File : VW007090.D
 Acq On : 27 Nov 2018 16:20
 Operator : VAY/AP
 Sample : J5996-14RE
 Misc : 6.42G/5ML/MSVOA W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 AOC1-05-B

Quant Time: Nov 28 00:26:56 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W112118S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 21 03:23:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	100783	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	159763	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	153808	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	79076	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	54610	55.35	ug/l	0.00
Spiked Amount			Recovery	=	110.70%	
35) Dibromofluoromethane	7.89	113	44768	49.62	ug/l	0.00
Spiked Amount			Recovery	=	99.24%	
50) Toluene-d8	10.32	98	196202	49.25	ug/l	0.00
Spiked Amount			Recovery	=	98.50%	
62) 4-Bromofluorobenzene	12.62	95	78495	50.07	ug/l	0.00
Spiked Amount			Recovery	=	100.14%	

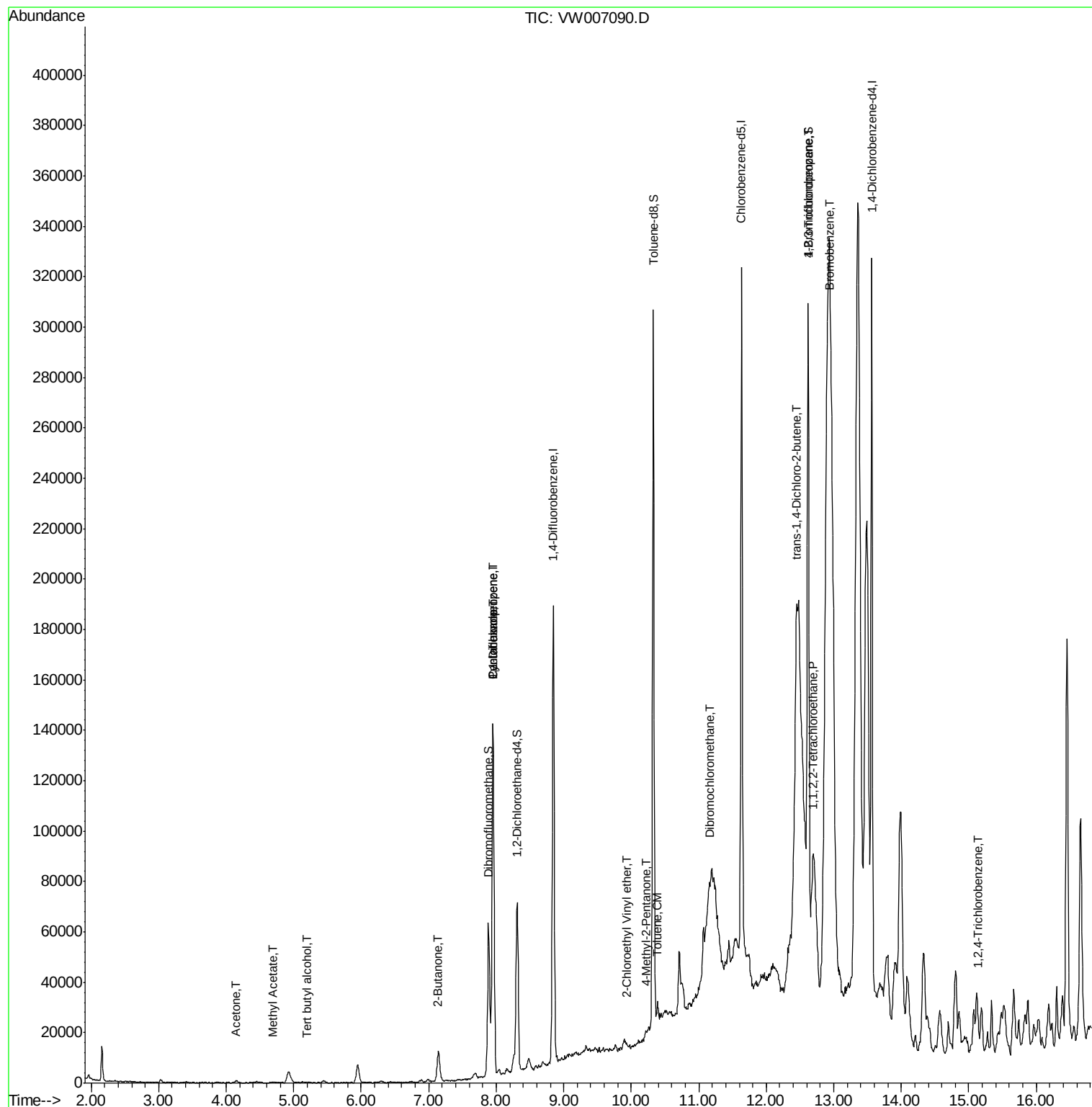
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.19	59	150	2.335	ug/l #	71
16) Acetone	4.15	43	1717	11.986	ug/l	95
18) Methyl Acetate	4.68	43	899	1.762	ug/l #	68
20) Methylene Chloride	4.92	84	3411	Below Cal		90
25) 2-Butanone	7.14	43	700	2.853	ug/l #	48
31) Cyclohexane	7.95	56	2736	1.440	ug/l #	5
36) 1,1-Dichloropropene	7.95	75	7599	4.867	ug/l #	53
51) 4-Methyl-2-Pentanone	10.21	43	1368	2.511	ug/l	95
52) Toluene	10.39	92	3484	1.215	ug/l	94
58) 2-Chloroethyl Vinyl ether	9.93	63	1225	2.639	ug/l	95
60) Dibromochloromethane	11.15	129	10988	12.599	ug/l #	25
75) 1,1,2,2-Tetrachloroethane	12.70	83	19463	23.797	ug/l #	28
76) 1,2,3-Trichloropropane	12.62	75	38641	62.186	ug/l #	100
77) Bromobenzene	12.93	156	497961	377.248	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.46	75	8032	32.452	ug/l #	35
93) 1,2,4-Trichlorobenzene	15.14	180	1586	1.019	ug/l #	62

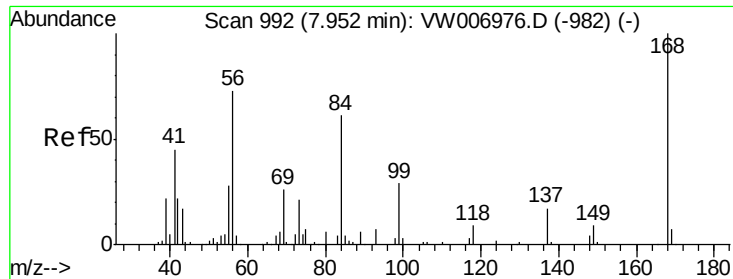
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW112718\
Data File : VW007090.D
Acq On : 27 Nov 2018 16:20
Operator : VAY/AP
Sample : J5996-14RE
Misc : 6.42G/5ML/MSVOA W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
AOC1-05-B

Quant Time: Nov 28 00:26:56 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W112118S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 21 03:23:02 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW007090.D

Acq: 27 Nov 2018 16:20

Instrument :

MSVOA_W

ClientSampleId :

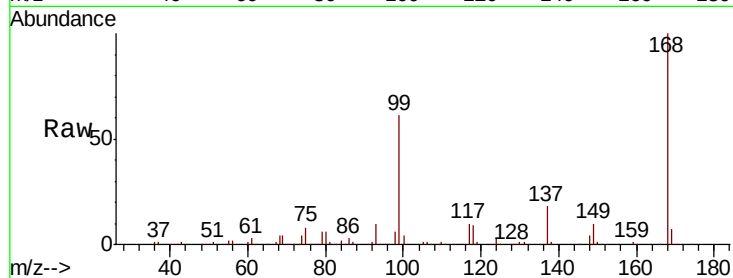
AOC1-05-B

Tot Ion:168 Resp: 100783

Ion Ratio Lower Upper

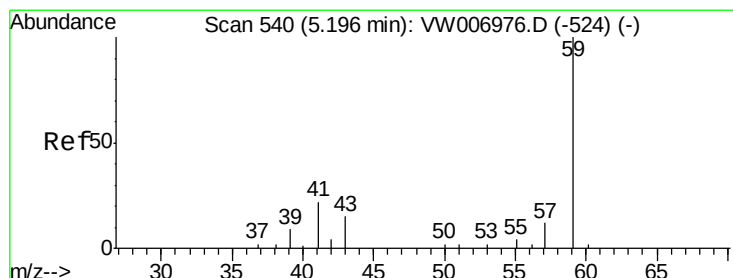
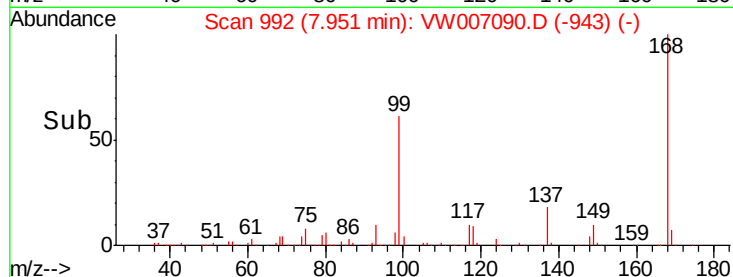
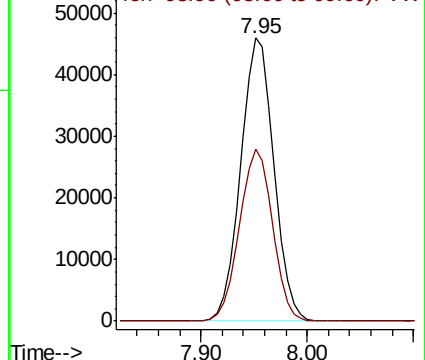
168 100

99 61.0 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 2.335 ug/l

RT: 5.19 min Scan# 539

Delta R.T. -0.01 min

Lab File: VW007090.D

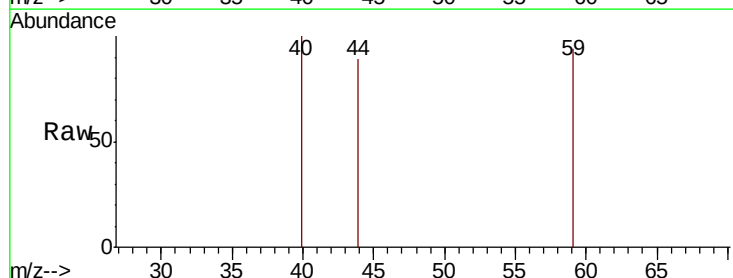
Acq: 27 Nov 2018 16:20

Tgt Ion: 59 Resp: 150

Ion Ratio Lower Upper

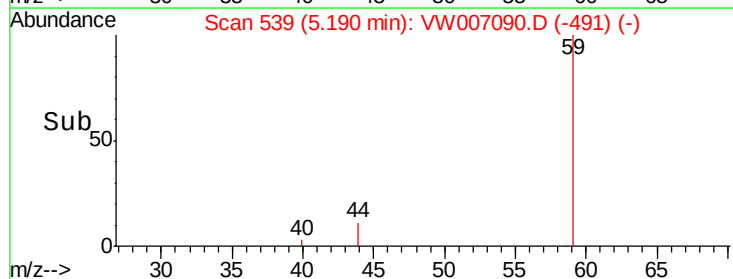
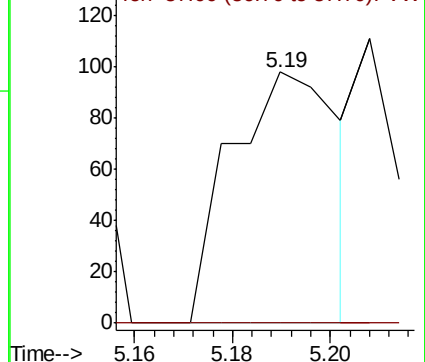
59 100

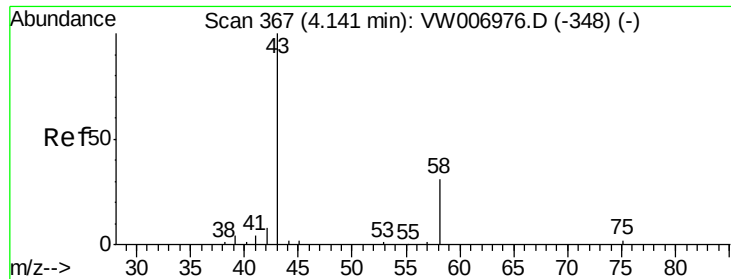
57 0.0 8.6 13.0#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 11.986 ug/l

RT: 4.15 min Scan# 368

Delta R.T. 0.01 min

Lab File: VW007090.D

Acq: 27 Nov 2018 16:20

Instrument :

MSVOA_W

ClientSampleId :

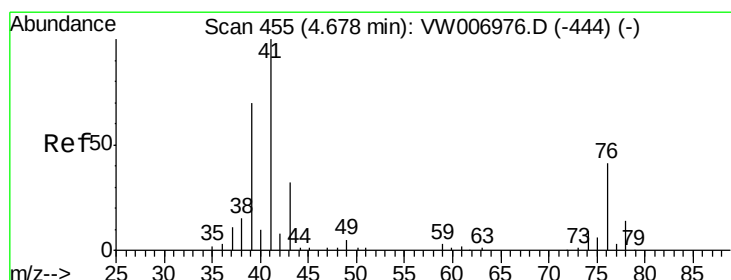
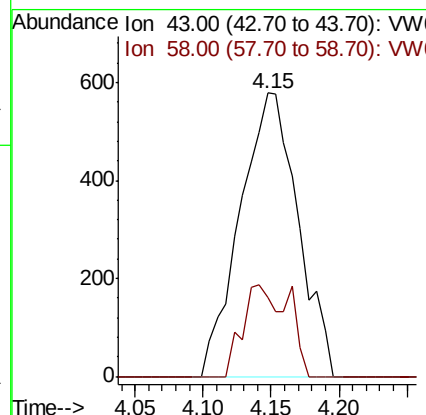
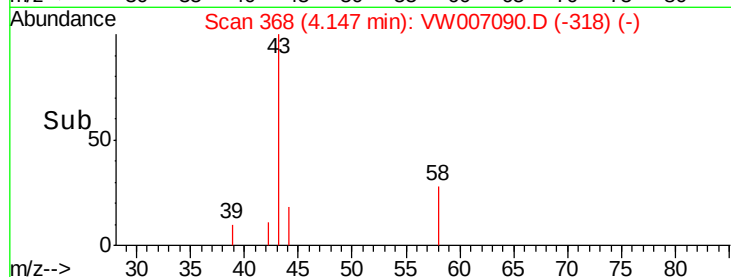
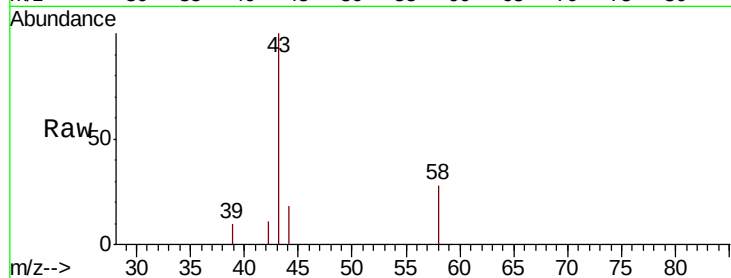
AOC1-05-B

Tot Ion: 43 Resp: 1717

Ion Ratio Lower Upper

43 100

58 28.0 24.8 37.2



#18

Methyl Acetate

Concen: 1.762 ug/l

RT: 4.68 min Scan# 456

Delta R.T. 0.01 min

Lab File: VW007090.D

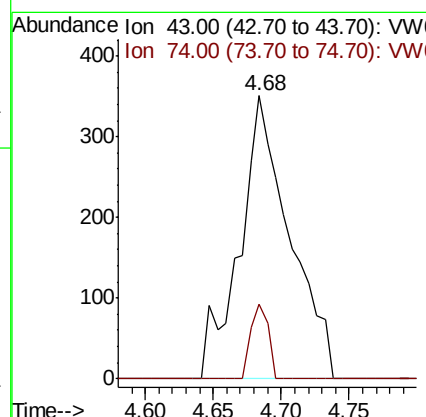
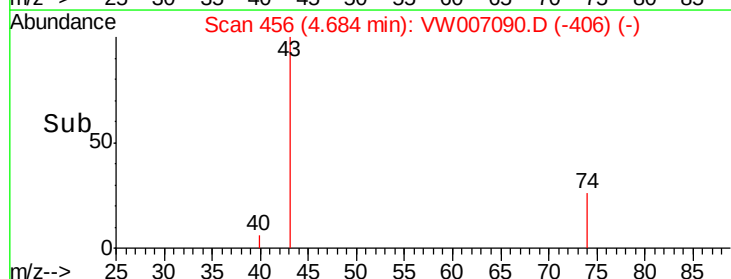
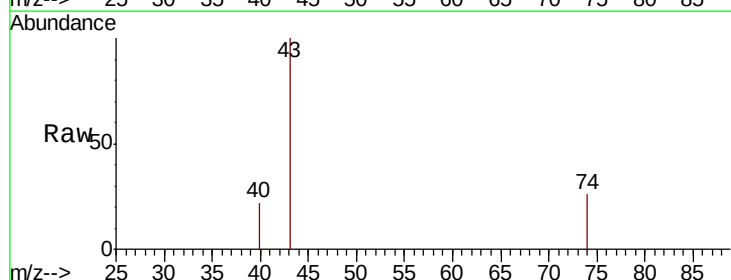
Acq: 27 Nov 2018 16:20

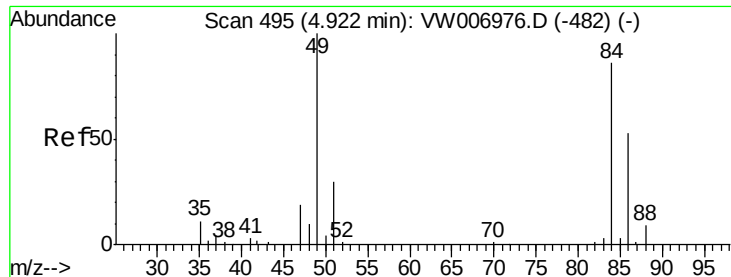
Tgt Ion: 43 Resp: 899

Ion Ratio Lower Upper

43 100

74 9.1 20.1 30.1#

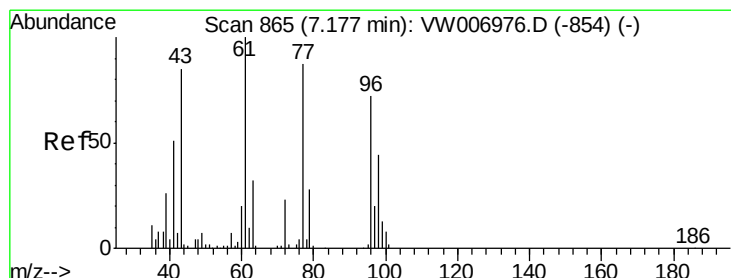
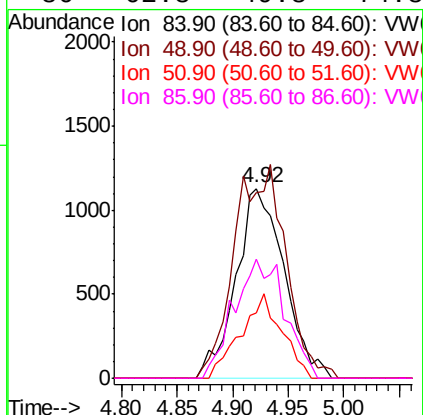
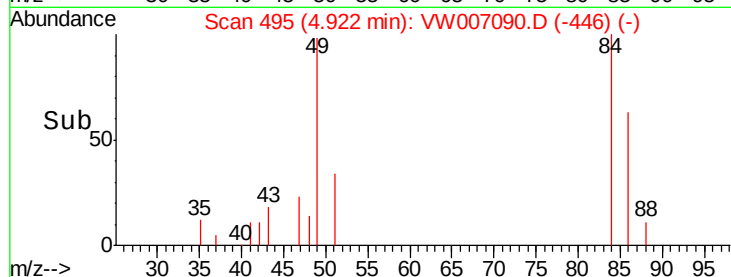
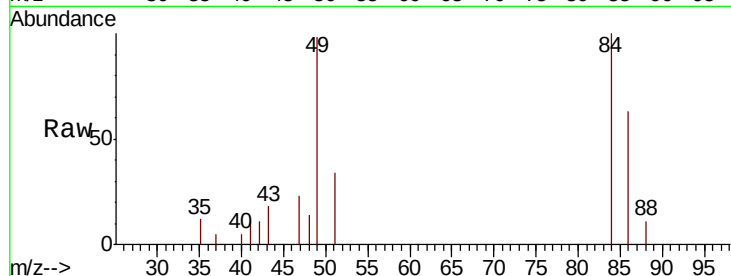




#20
Methvlene Chloride
Concen: Below Cal
RT: 4.92 min Scan# 495
Delta R.T. 0.00 min
Lab File: VW007090.D
Acq: 27 Nov 2018 16:20

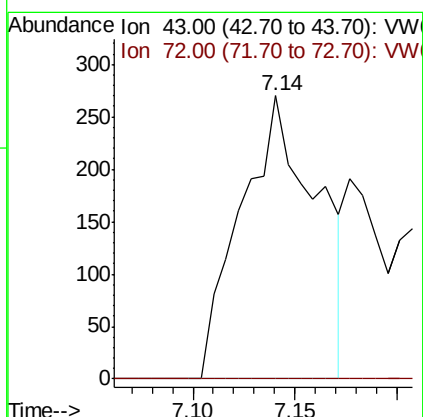
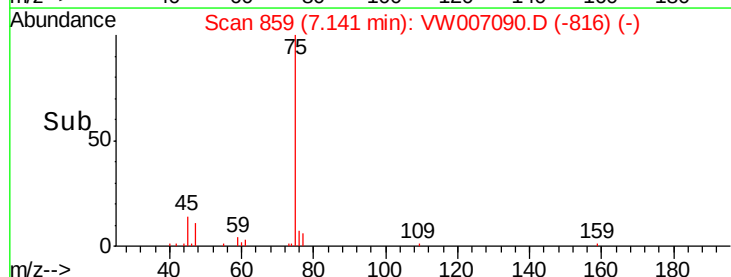
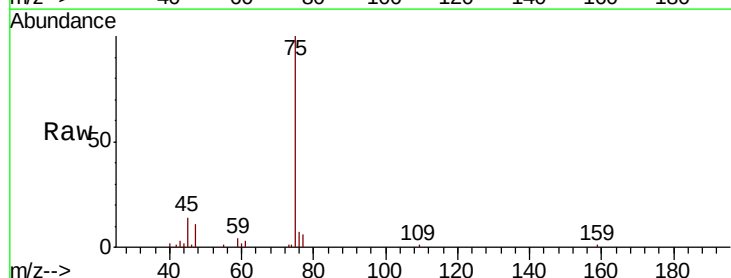
Instrument :
MSVOA_W
ClientSampleId :
AOC1-05-B

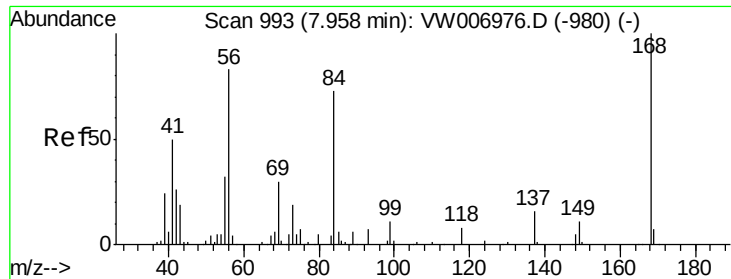
Tot Ion:	84	Resp:	3411
Ion	Ratio	Lower	Upper
84	100		
49	97.8	93.4	140.0
51	34.5	28.4	42.6
86	62.8	49.8	74.8



#25
2-Butanone
Concen: 2.853 ug/l
RT: 7.14 min Scan# 859
Delta R.T. -0.04 min
Lab File: VW007090.D
Acq: 27 Nov 2018 16:20

Tgt Ion:	43	Resp:	700
Ion	Ratio	Lower	Upper
43	100		
72	0.0	21.3	31.9#

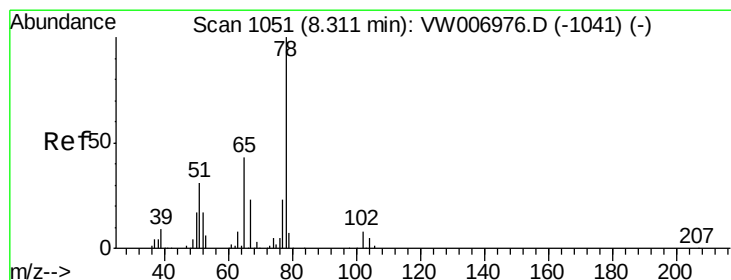
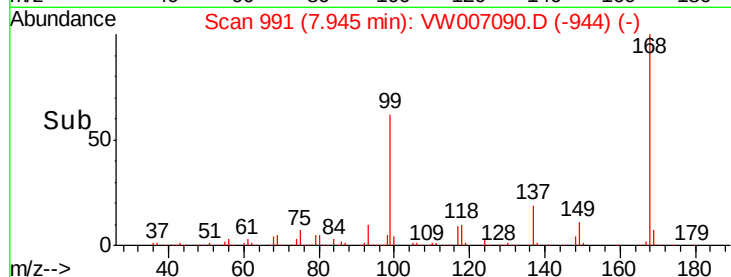
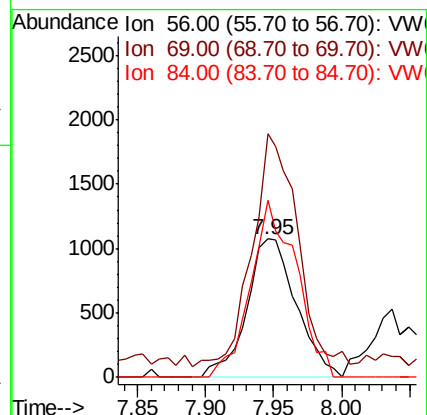
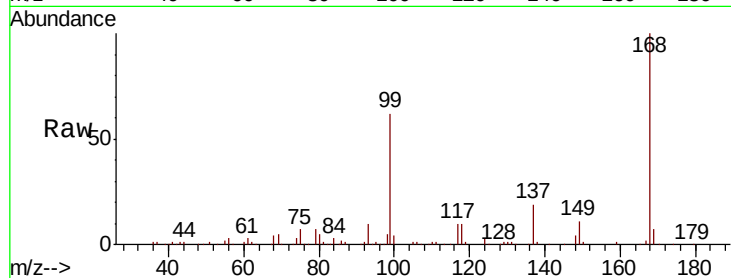




#31
Cyclohexane
Concen: 1.440 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW007090.D
Acq: 27 Nov 2018 16:20

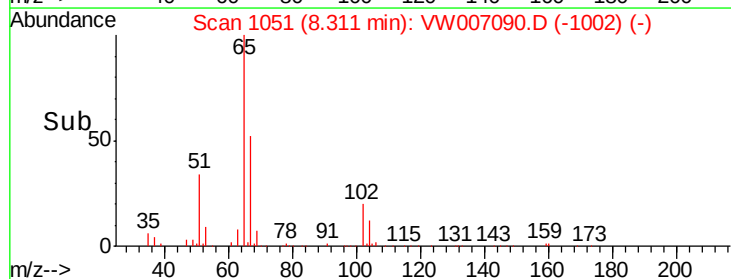
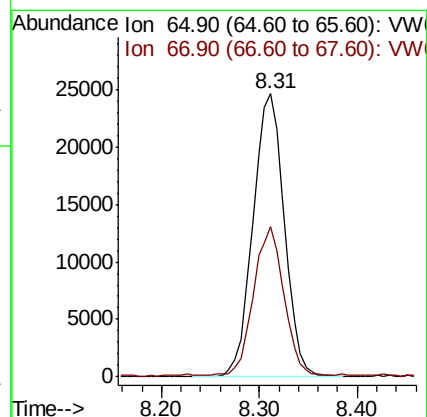
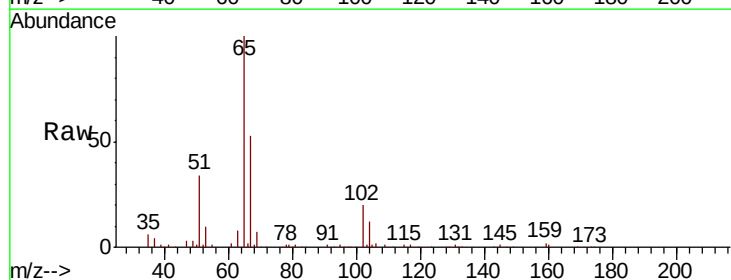
Instrument :
MSVOA_W
ClientSampleId :
AOC1-05-B

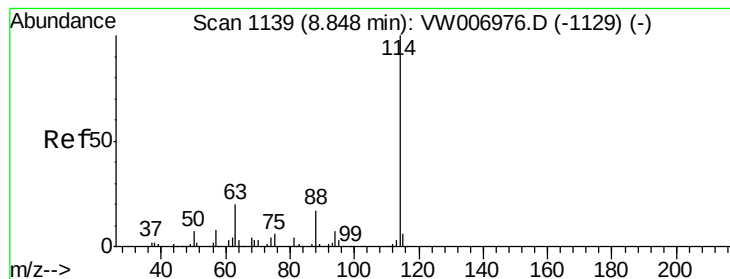
Tot Ion: 56 Resp: 2736
Ion Ratio Lower Upper
56 100
69 168.3 29.1 43.7#
84 127.8 70.6 105.8#



#33
1,2-Dichloroethane-d4
Concen: 55.347 ug/l
RT: 8.31 min Scan# 1051
Delta R.T. -0.00 min
Lab File: VW007090.D
Acq: 27 Nov 2018 16:20

Tgt Ion: 65 Resp: 54610
Ion Ratio Lower Upper
65 100
67 50.7 0.0 106.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1139

Delta R.T. -0.00 min

Lab File: VW007090.D

Acq: 27 Nov 2018 16:20

Instrument :

MSVOA_W

ClientSampleId :

AOC1-05-B

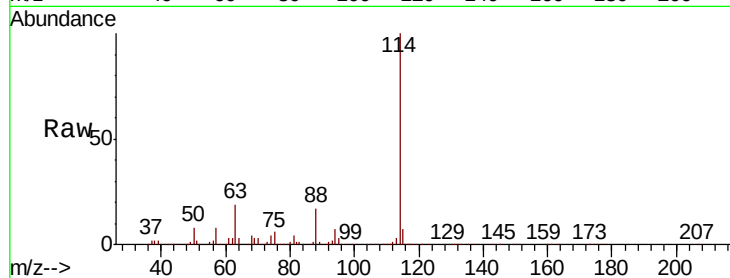
Tot Ion:114 Resp: 159763

Ion Ratio Lower Upper

114 100

63 19.1 0.0 39.4

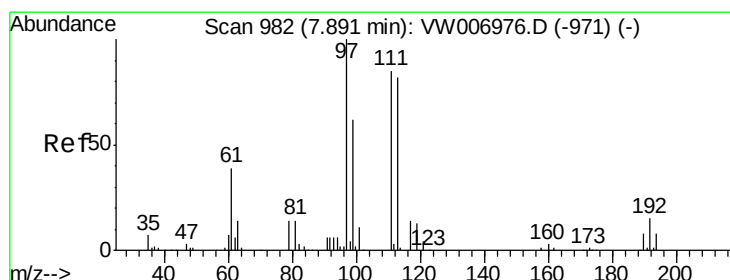
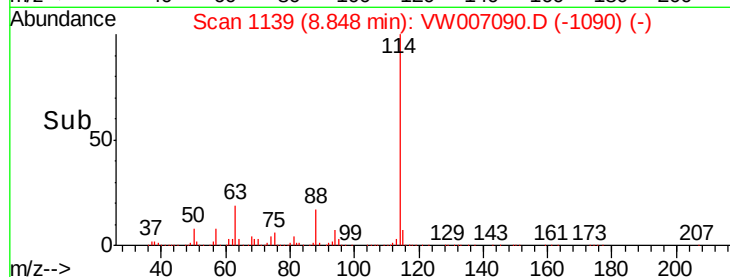
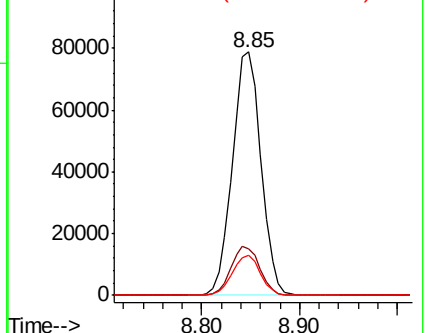
88 16.7 0.0 34.2



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: 49.620 ug/l

RT: 7.89 min Scan# 982

Delta R.T. -0.00 min

Lab File: VW007090.D

Acq: 27 Nov 2018 16:20

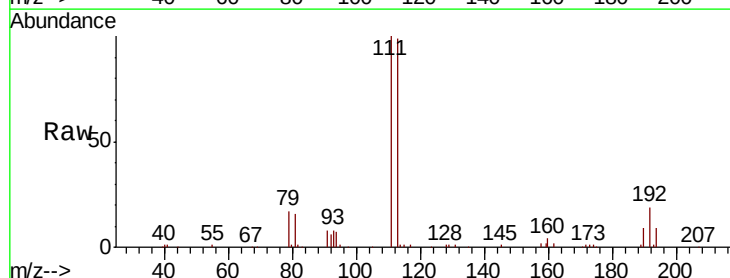
Tgt Ion:113 Resp: 44768

Ion Ratio Lower Upper

113 100

111 103.7 81.0 121.6

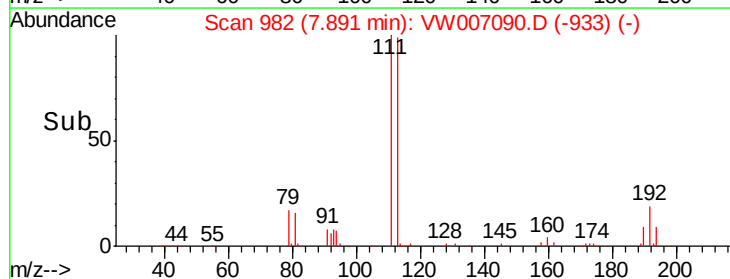
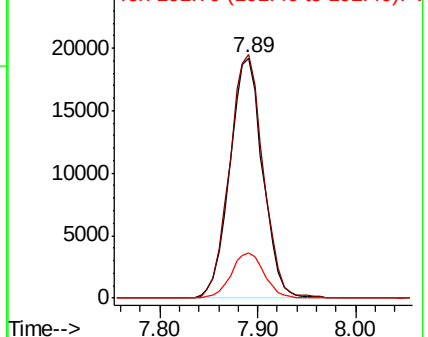
192 18.9 15.0 22.6

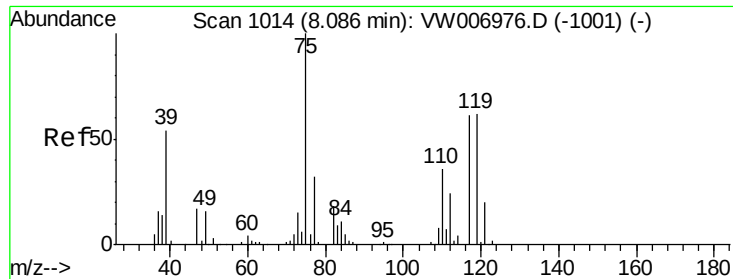


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

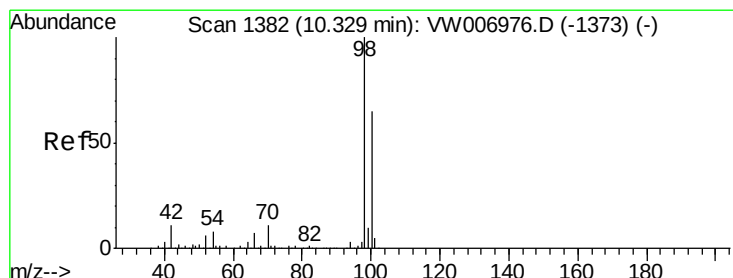
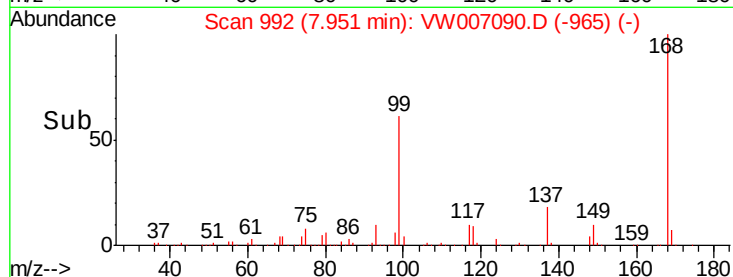
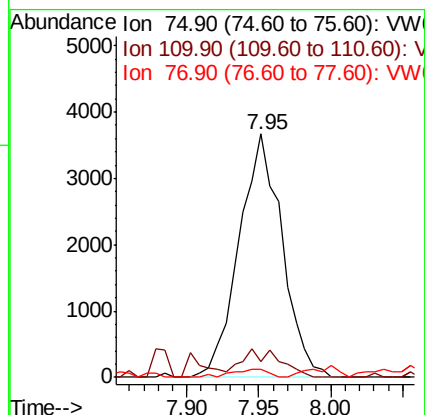
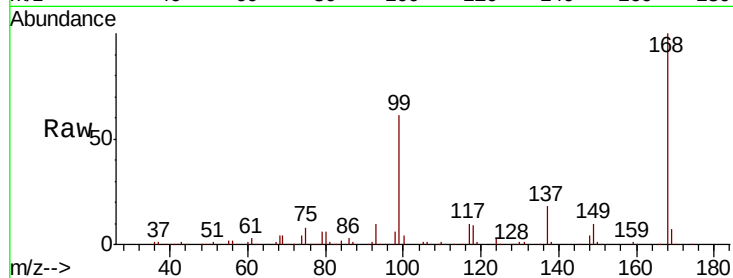




#36
 1,1-Dichloropropene
 Concen: 4.867 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW007090.D
 Acq: 27 Nov 2018 16:20

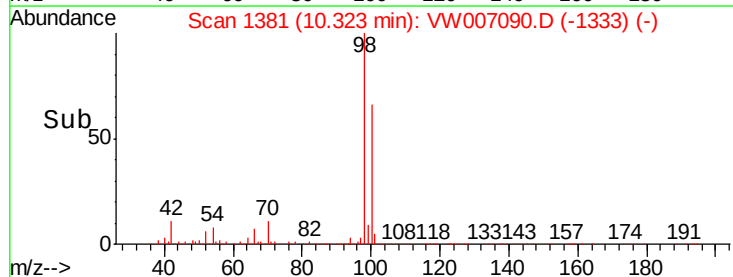
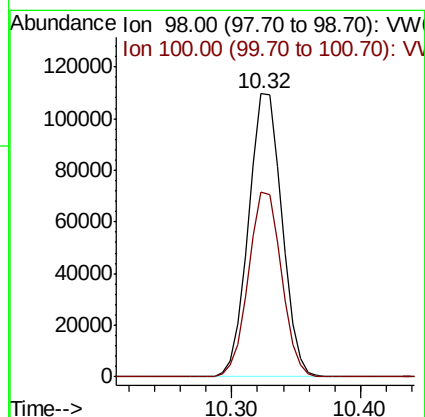
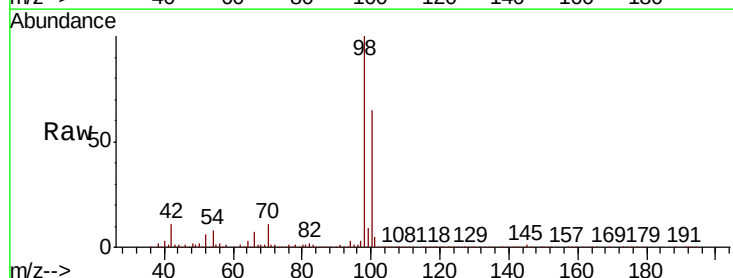
Instrument :
 MSVOA_W
 ClientSampleId :
 AOC1-05-B

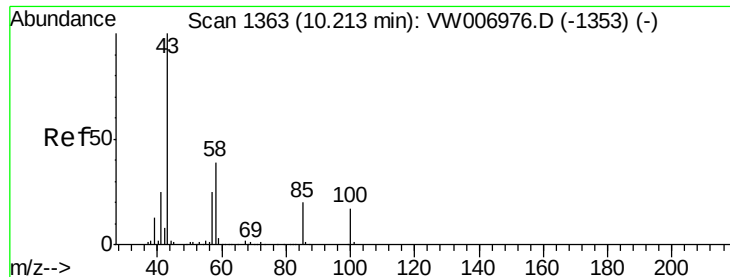
Tot Ion: 75 Resp: 7599
 Ion Ratio Lower Upper
 75 100
 110 10.4 18.0 54.0#
 77 2.8 24.9 37.3#



#50
 Toluene-d8
 Concen: 49.246 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. -0.01 min
 Lab File: VW007090.D
 Acq: 27 Nov 2018 16:20

Tgt Ion: 98 Resp: 196202
 Ion Ratio Lower Upper
 98 100
 100 64.7 52.2 78.2





#51

4-Methyl-2-Pentanone

Concen: 2.511 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW007090.D

Acq: 27 Nov 2018 16:20

Instrument :

MSVOA_W

ClientSampled :

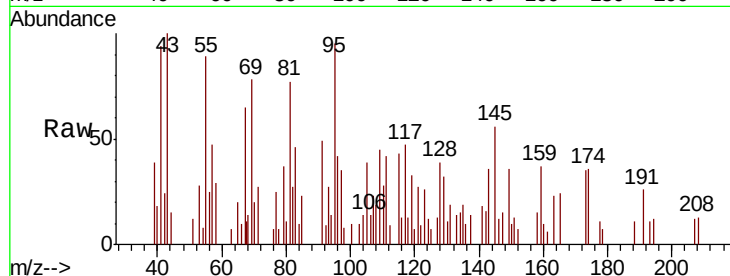
AOC1-05-B

Tot Ion: 43 Resp: 1368

Ion Ratio Lower Upper

43 100

58 36.8 31.8 47.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

10.21

800

600

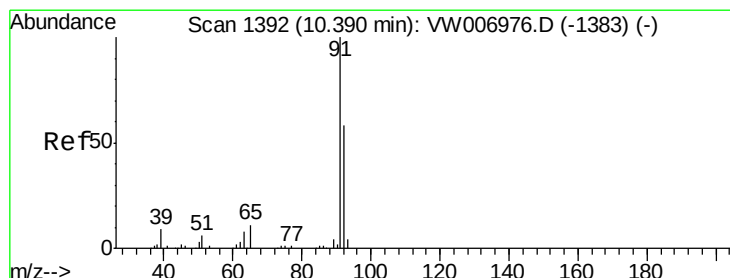
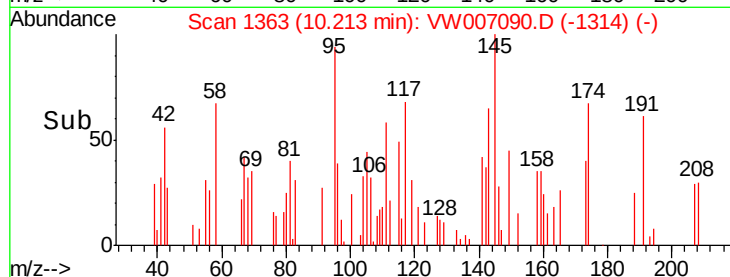
400

200

0

10.15 10.20 10.25

Time-->



#52

Toluene

Concen: 1.215 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW007090.D

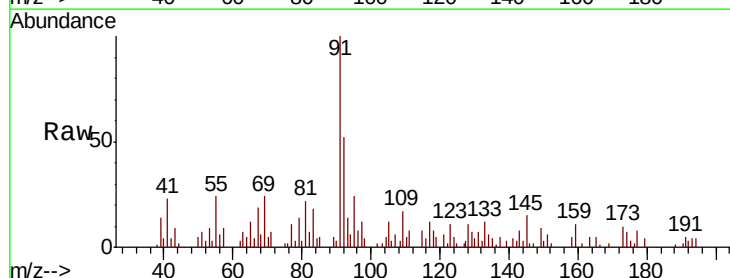
Acq: 27 Nov 2018 16:20

Tgt Ion: 92 Resp: 3484

Ion Ratio Lower Upper

92 100

91 163.0 137.3 205.9



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

4000

3000

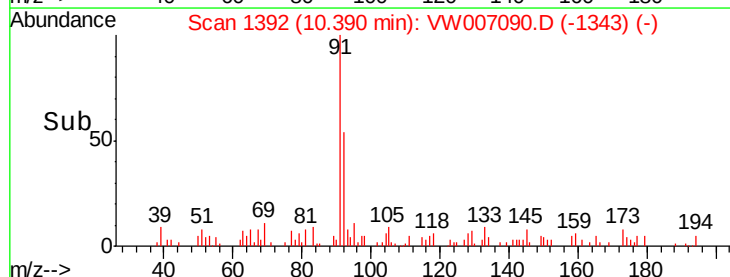
2000

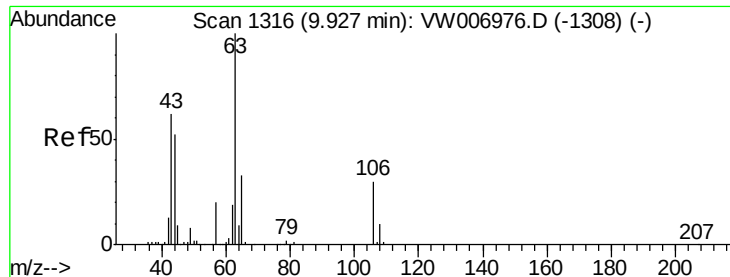
1000

0

10.30 10.40

Time-->

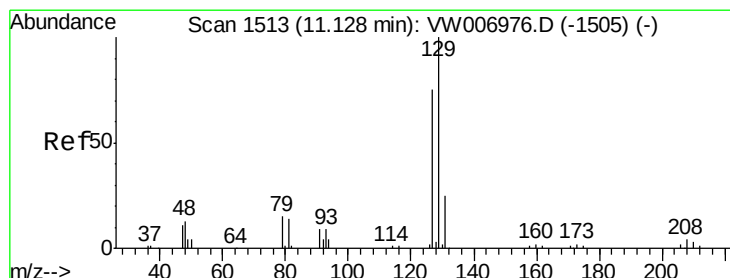
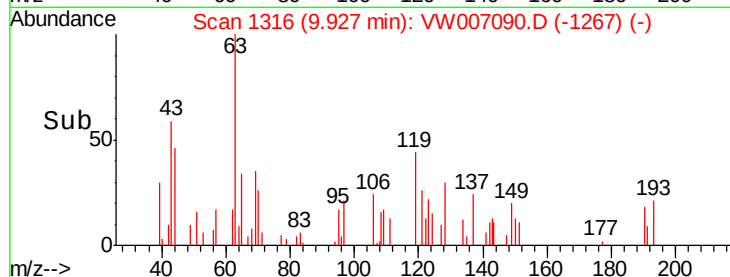
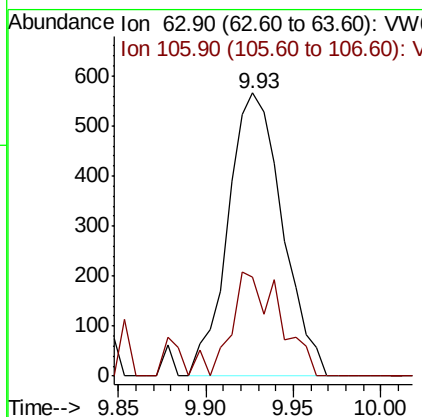
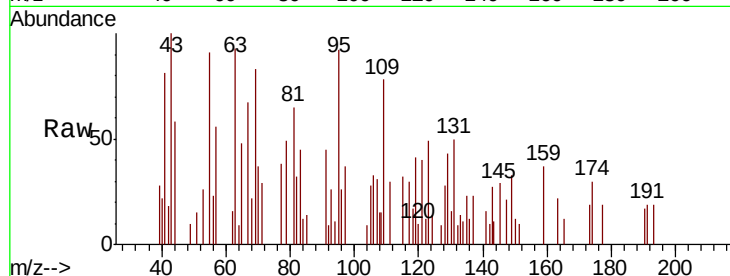




#58
2-Chloroethyl Vinyl ether
Concen: 2.639 ug/l
RT: 9.93 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VW007090.D
Acq: 27 Nov 2018 16:20

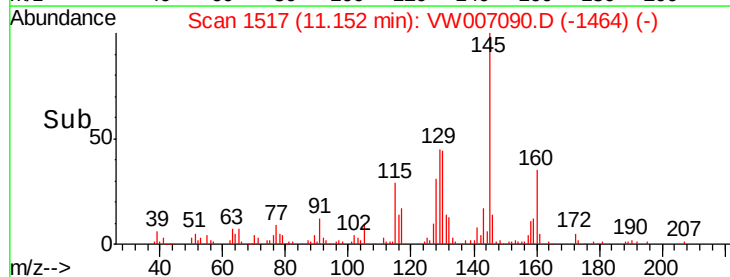
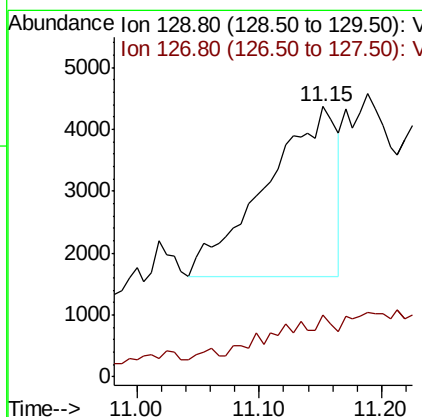
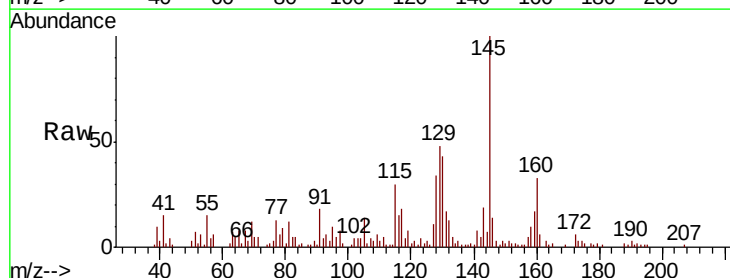
Instrument :
MSVOA_W
ClientSampled :
AOC1-05-B

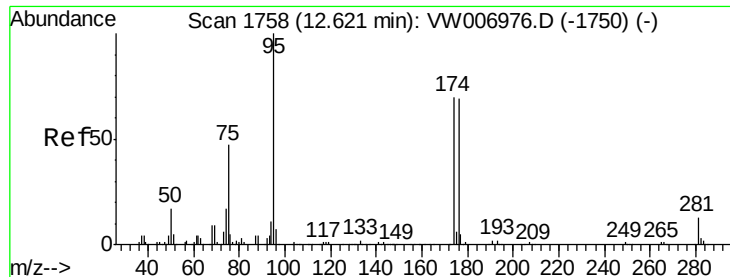
Tot Ion: 63 Resp: 1225
Ion Ratio Lower Upper
63 100
106 32.1 23.5 35.3



#60
Dibromochloromethane
Concen: 12.599 ug/l
RT: 11.15 min Scan# 1517
Delta R.T. 0.02 min
Lab File: VW007090.D
Acq: 27 Nov 2018 16:20

Tgt Ion: 129 Resp: 10988
Ion Ratio Lower Upper
129 100
127 12.3 38.3 114.8#

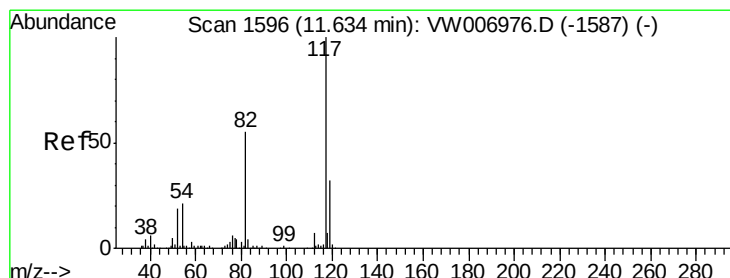
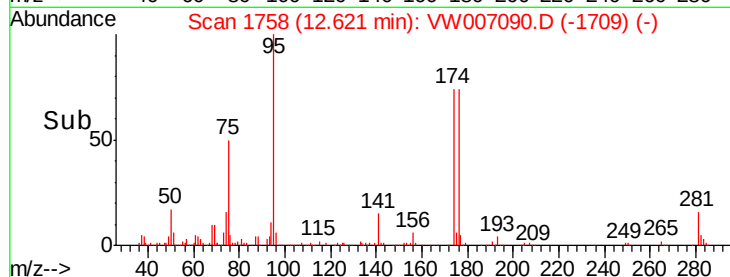
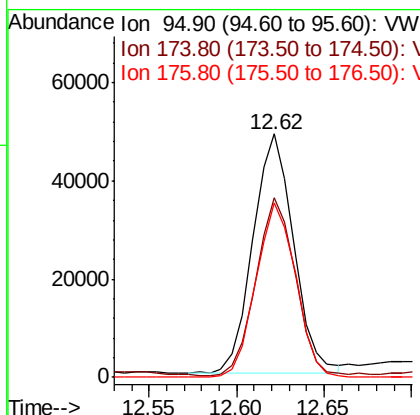
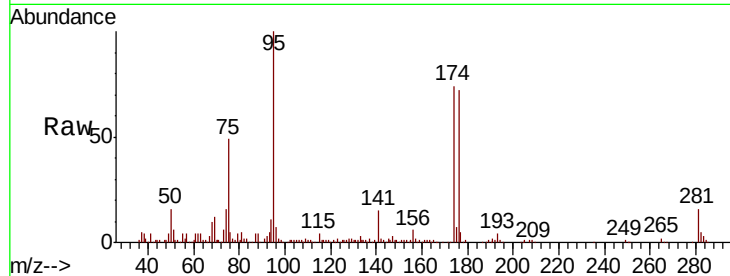




#62
4-Bromofluorobenzene
Concen: 50.067 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW007090.D
Acq: 27 Nov 2018 16:20

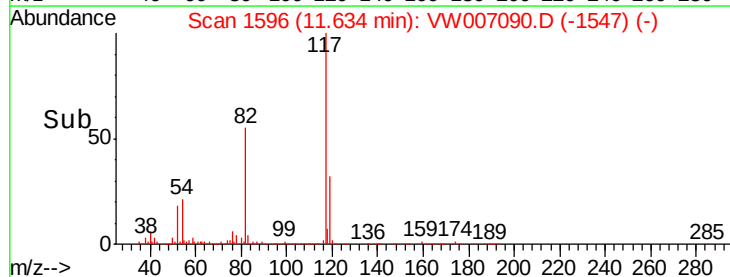
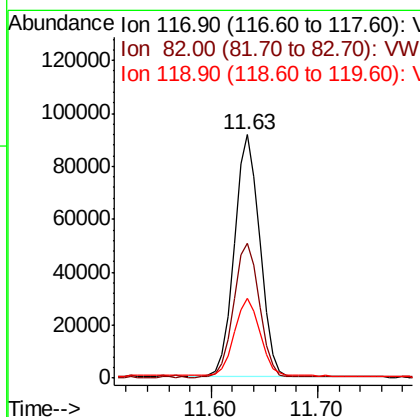
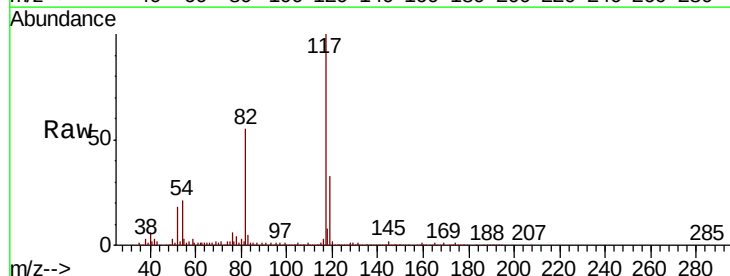
Instrument :
MSVOA_W
ClientSampled :
AOC1-05-B

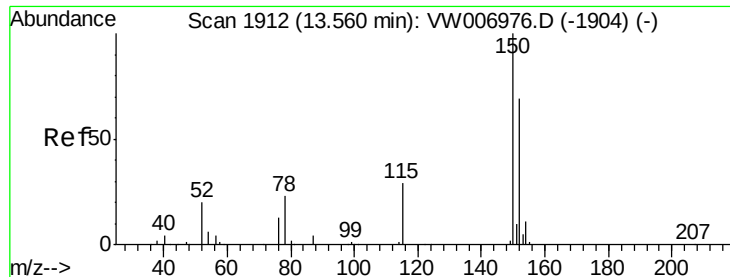
Tot Ion	95	Resp	78495
Ion Ratio	100		
Lower			
Upper			
174	72.5	0.0	143.6
176	71.6	0.0	140.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007090.D
Acq: 27 Nov 2018 16:20

Tgt Ion	117	Resp	153808
Ion Ratio <td>100</td> <td></td> <td></td>	100		
Lower			
Upper			
82	55.2	44.2	66.2
119	32.0	25.9	38.9



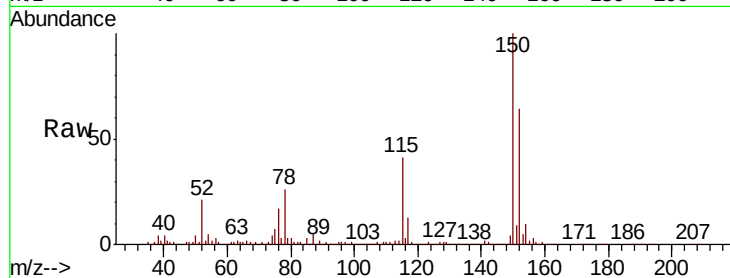


#72

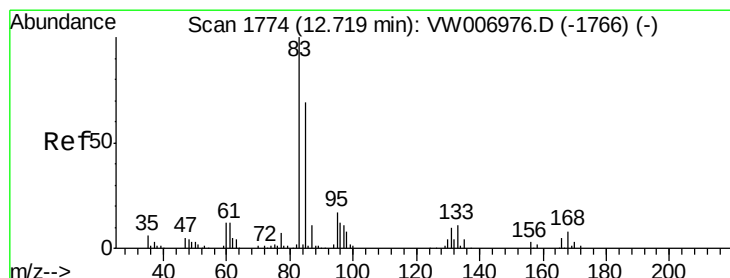
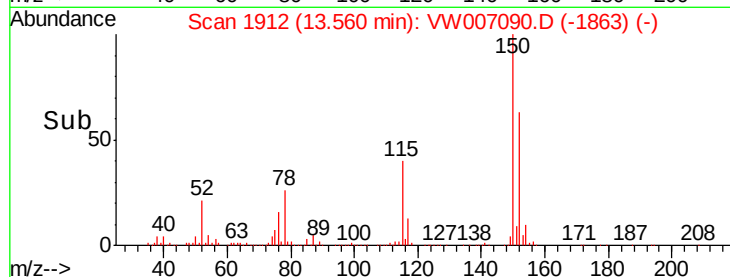
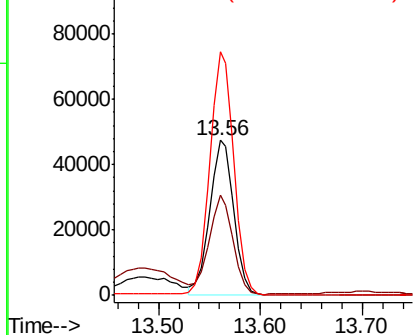
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW007090.D
Acq: 27 Nov 2018 16:20

Instrument :
MSVOA_W
ClientSampled :
AOC1-05-B

Tot Ion:152 Resp: 79076
Ion Ratio Lower Upper
152 100
115 63.2 31.4 94.2
150 154.3 0.0 353.4



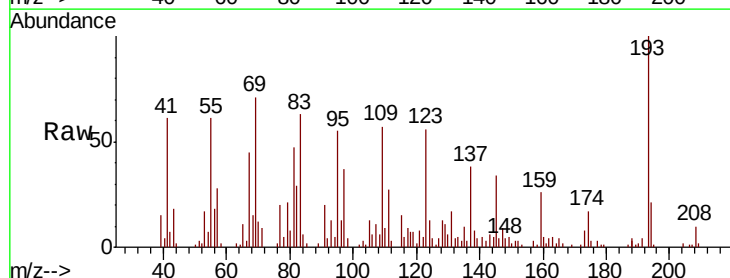
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



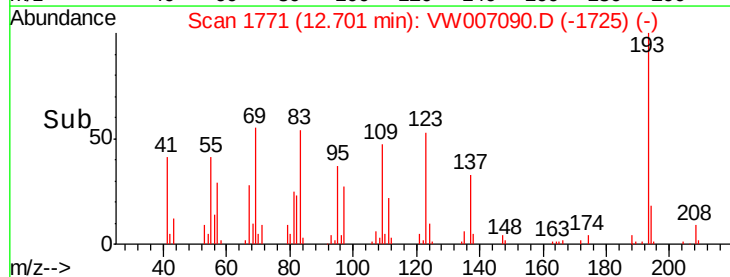
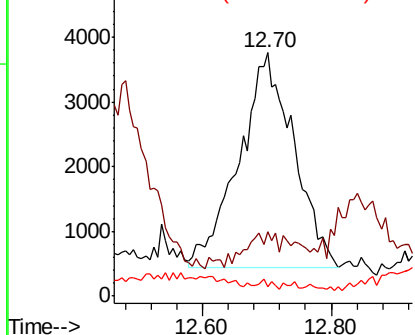
#75

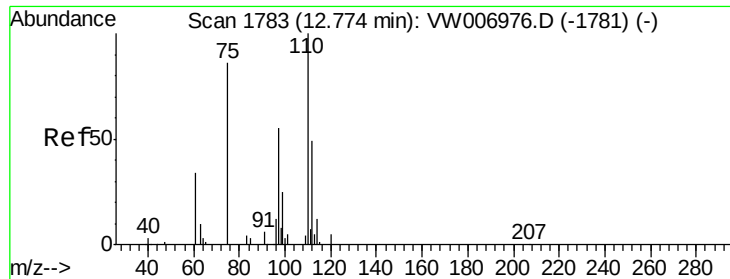
1,1,2,2-Tetrachloroethane
Concen: 23.797 ug/l
RT: 12.70 min Scan# 1771
Delta R.T. -0.02 min
Lab File: VW007090.D
Acq: 27 Nov 2018 16:20

Tgt Ion: 83 Resp: 19463
Ion Ratio Lower Upper
83 100
131 5.7 5.7 17.1#
85 0.9 33.1 99.2#



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VW

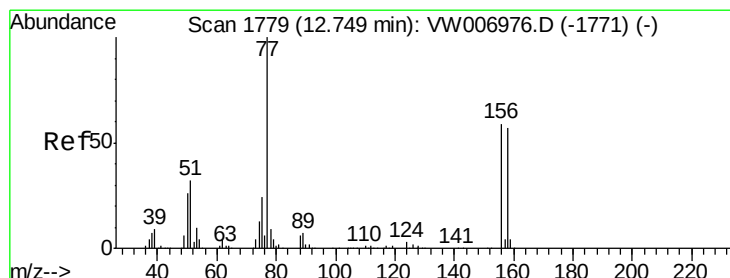
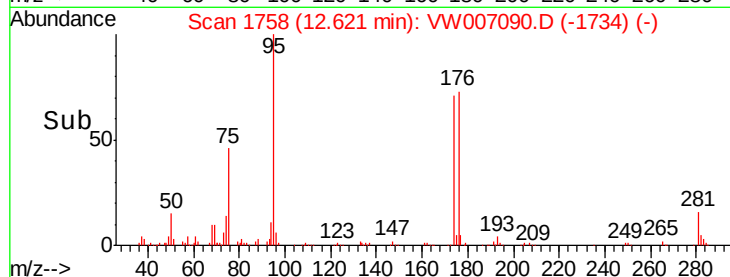
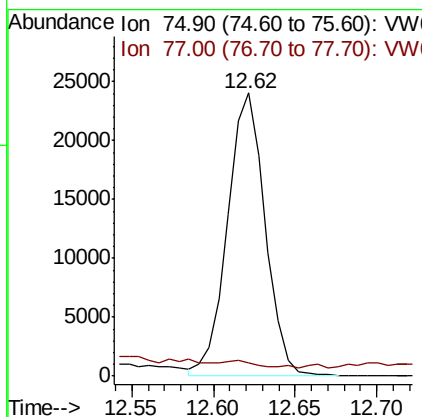
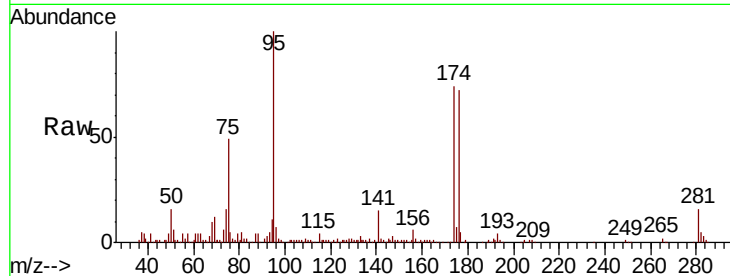




#76
 1,2,3-Trichloropropane
 Concen: 62.186 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.15 min
 Lab File: VW007090.D
 Acq: 27 Nov 2018 16:20

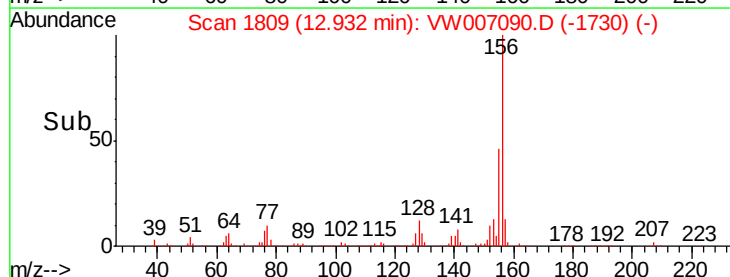
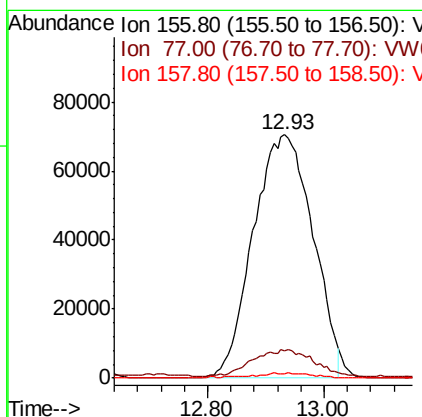
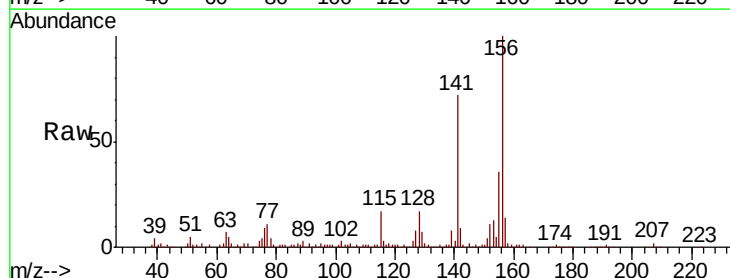
Instrument :
 MSVOA_W
 ClientSampled :
 AOC1-05-B

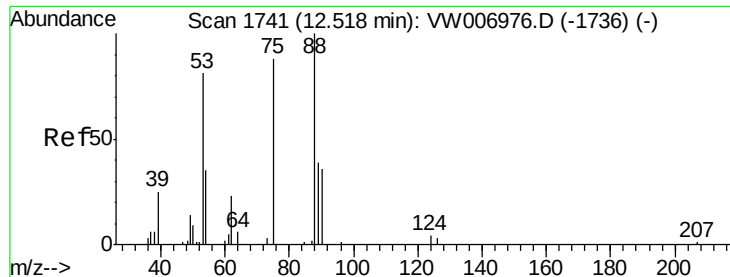
Tot Ion: 75 Resp: 38641
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0



#77
 Bromobenzene
 Concen: 377.248 ug/l
 RT: 12.93 min Scan# 1809
 Delta R.T. 0.18 min
 Lab File: VW007090.D
 Acq: 27 Nov 2018 16:20

Tgt Ion: 156 Resp: 497961
 Ion Ratio Lower Upper
 156 100
 77 10.9 94.6 283.8#
 158 0.0 48.9 146.7#





#81

trans-1,4-Dichloro-2-butene

Concen: 32.452 ug/l

RT: 12.46 min Scan# 1731

Delta R.T. -0.06 min

Lab File: VW007090.D

Acq: 27 Nov 2018 16:20

Instrument :

MSVOA_W

ClientSampleId :

AOC1-05-B

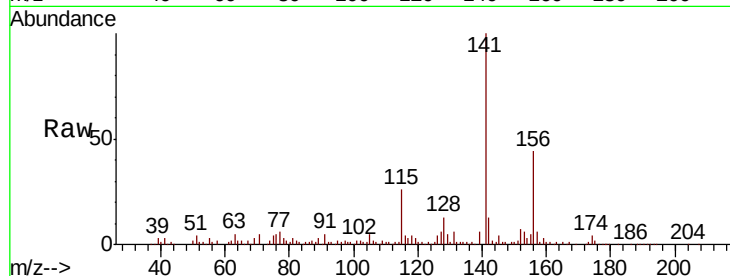
Tot Ion: 75 Resp: 8032

Ion Ratio Lower Upper

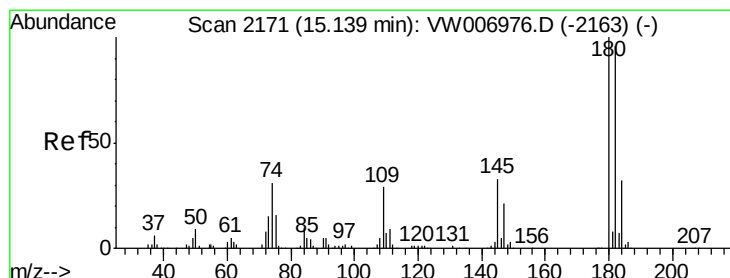
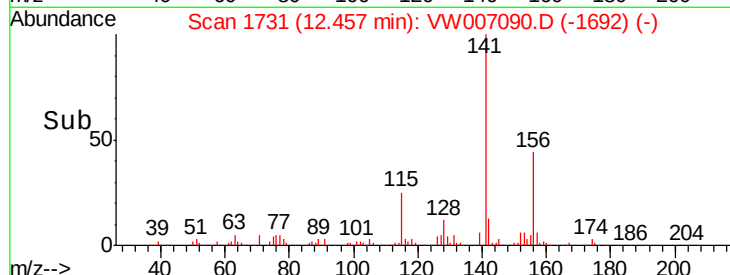
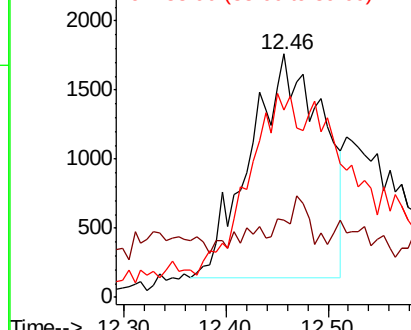
75 100

53 6.6 77.6 116.4#

89 56.7 39.3 58.9



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



#93

1,2,4-Trichlorobenzene

Concen: 1.019 ug/l

RT: 15.14 min Scan# 2171

Delta R.T. -0.00 min

Lab File: VW007090.D

Acq: 27 Nov 2018 16:20

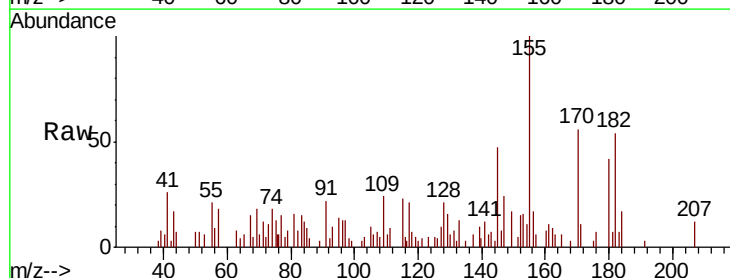
Tgt Ion: 180 Resp: 1586

Ion Ratio Lower Upper

180 100

182 97.5 47.1 141.3

145 109.8 16.5 49.5#



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V

