

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW112618\
 Data File : VW007073.D
 Acq On : 27 Nov 2018 04:19
 Operator : VAY/AP
 Sample : J5996-14
 Misc : 6.37G/5ML/MSVOA W/SOIL
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 AOC1-05-B

Quant Time: Nov 27 05:32:50 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	107519	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	182143	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	170935	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	86528	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	64835	61.59	ug/l	0.00
Spiked Amount			Recovery	=	123.18%	
35) Dibromofluoromethane	7.88	113	52493	51.03	ug/l	0.00
Spiked Amount			Recovery	=	102.06%	
50) Toluene-d8	10.32	98	215389	47.42	ug/l	0.00
Spiked Amount			Recovery	=	94.84%	
62) 4-Bromofluorobenzene	12.62	95	85880	48.05	ug/l	0.00
Spiked Amount			Recovery	=	96.10%	

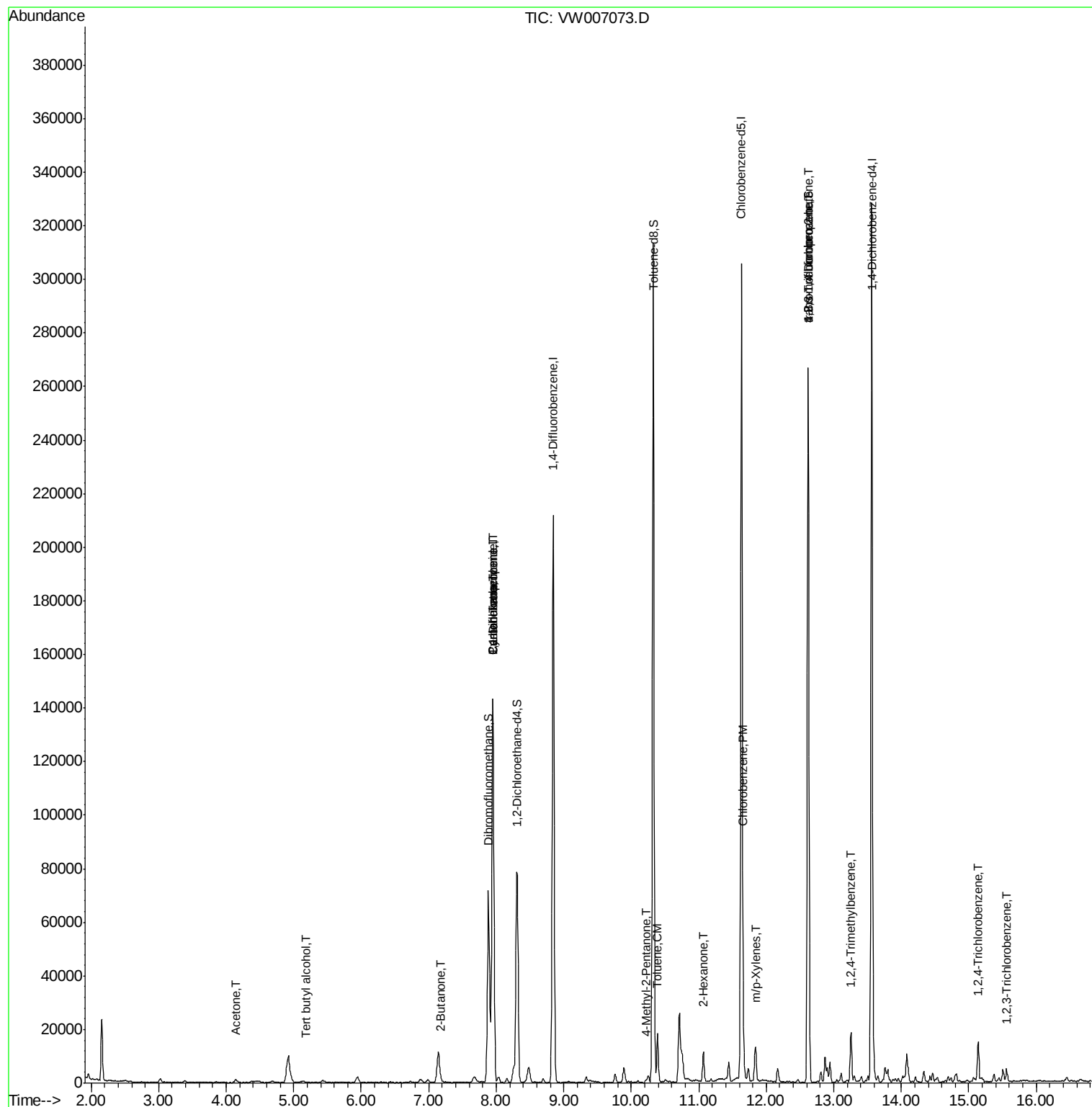
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.18	59	208	3.035	ug/l #	71
16) Acetone	4.15	43	2273	14.873	ug/l #	83
25) 2-Butanone	7.18	43	444	1.696	ug/l #	48
31) Cyclohexane	7.95	56	2548	1.257	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	8066	4.532	ug/l #	49
38) Carbon Tetrachloride	7.95	117	10839	6.359	ug/l #	17
51) 4-Methyl-2-Pentanone	10.21	43	624	1.005	ug/l	93
52) Toluene	10.39	92	7924	2.423	ug/l	99
59) 2-Hexanone	11.07	43	712	1.674	ug/l #	29
65) Chlorobenzene	11.66	112	7891	2.212	ug/l	94
68) m/p-Xylenes	11.84	106	4314	1.678	ug/l	94
76) 1,2,3-Trichloropropane	12.62	75	41805	61.484	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	41805	154.362	ug/l #	10
84) 1,2,4-Trimethylbenzene	13.26	105	10637	1.836	ug/l	98
93) 1,2,4-Trichlorobenzene	15.14	180	4655	2.732	ug/l	97
96) 1,2,3-Trichlorobenzene	15.56	180	1605	1.135	ug/l	92

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

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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: VW007073.D

Acq: 27 Nov 2018 04:19

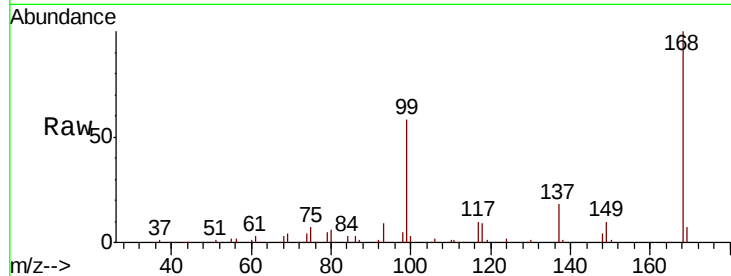
Instrument :
MSVOA_W
ClientSampleId :
AOC1-05-B

Tot Ion:168 Resp: 107519

Ion Ratio Lower Upper

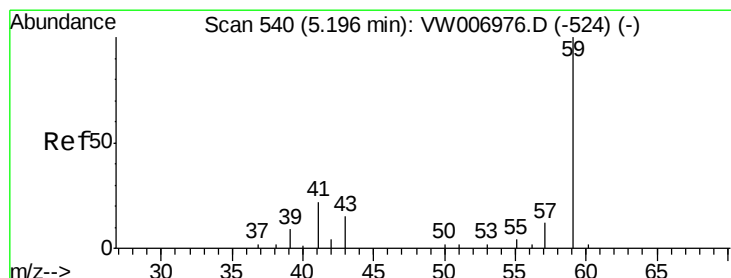
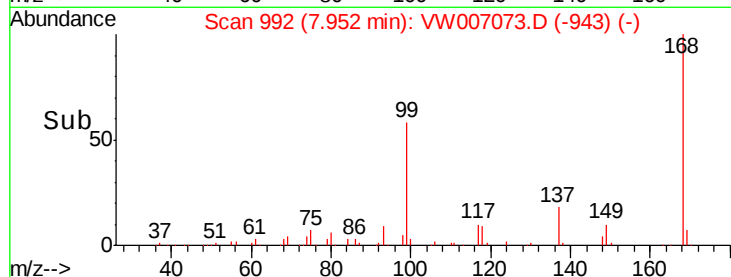
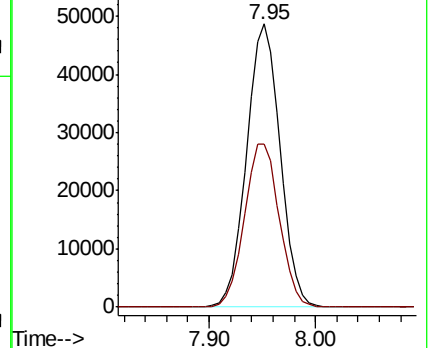
168 100

99 57.8 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: 3.035 ug/l

RT: 5.18 min Scan# 538

Delta R.T. -0.01 min

Lab File: VW007073.D

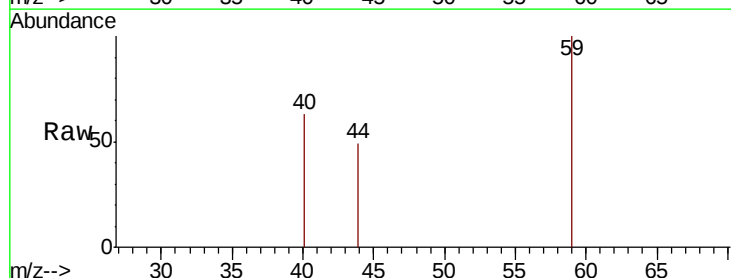
Acq: 27 Nov 2018 04:19

Tgt Ion: 59 Resp: 208

Ion Ratio Lower Upper

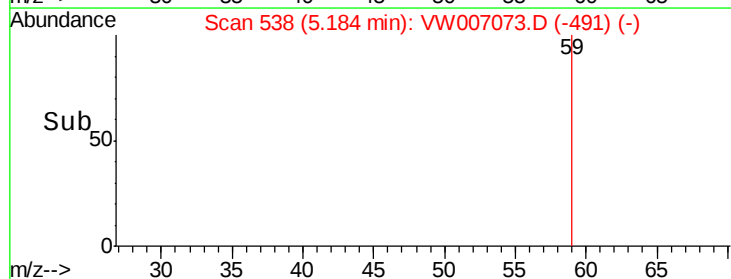
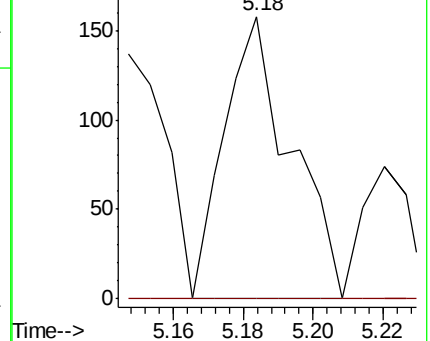
59 100

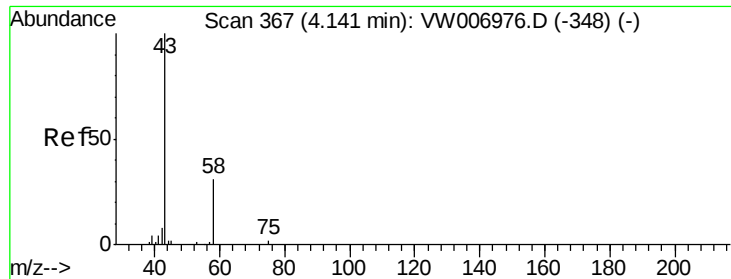
57 0.0 8.6 13.0#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 14.873 ug/l

RT: 4.15 min Scan# 368

Delta R.T. 0.01 min

Lab File: VW007073.D

Acq: 27 Nov 2018 04:19

Instrument :

MSVOA_W

ClientSampleId :

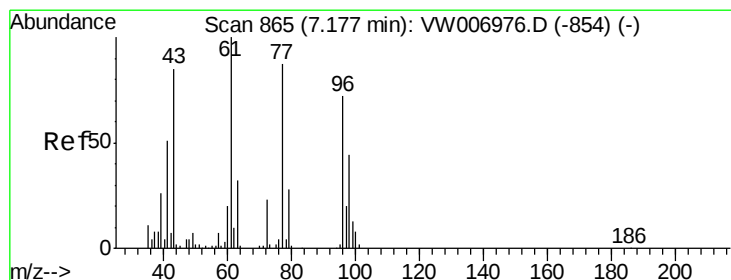
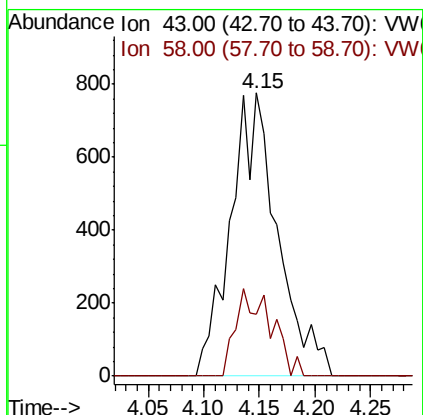
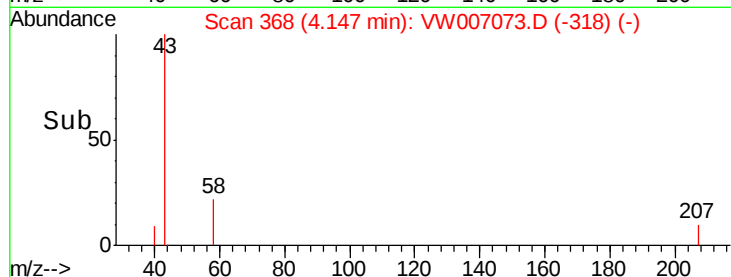
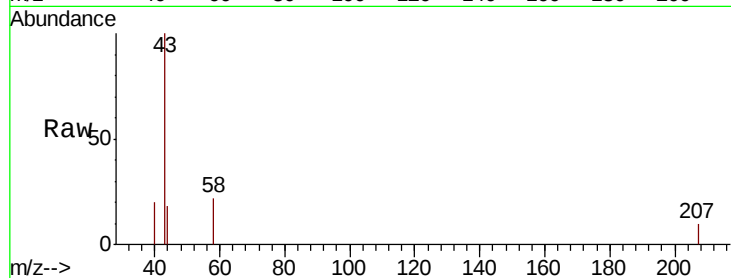
AOC1-05-B

Tot Ion: 43 Resp: 2273

Ion Ratio Lower Upper

43 100

58 21.9 24.8 37.2#



#25

2-Butanone

Concen: 1.696 ug/l

RT: 7.18 min Scan# 866

Delta R.T. 0.01 min

Lab File: VW007073.D

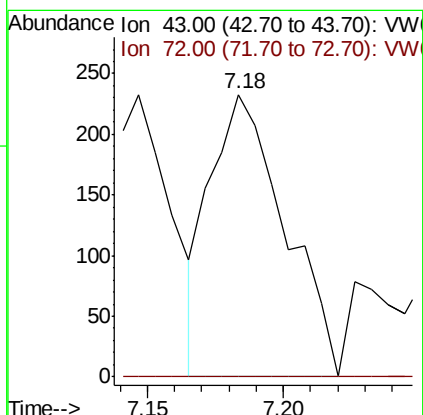
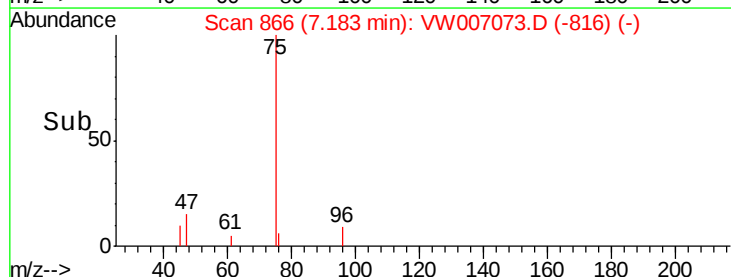
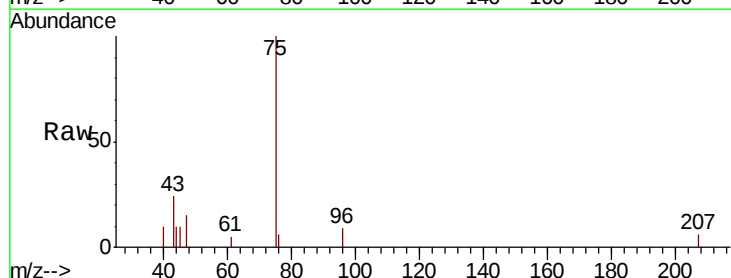
Acq: 27 Nov 2018 04:19

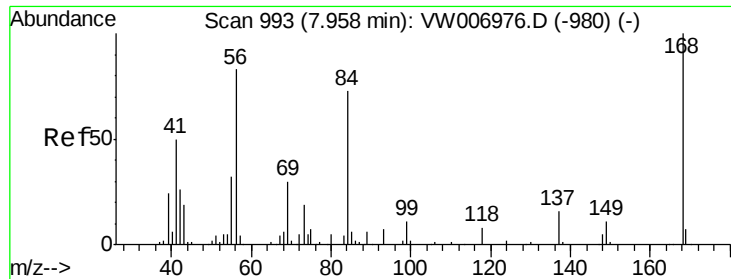
Tgt Ion: 43 Resp: 444

Ion Ratio Lower Upper

43 100

72 0.0 21.3 31.9#

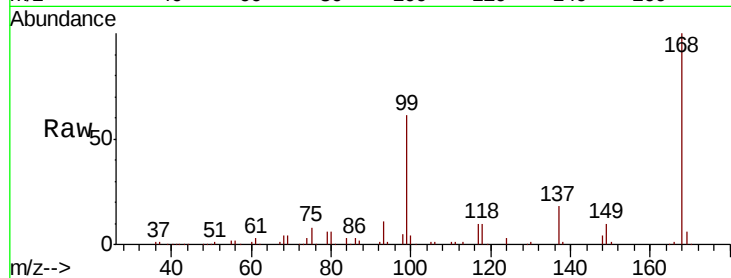




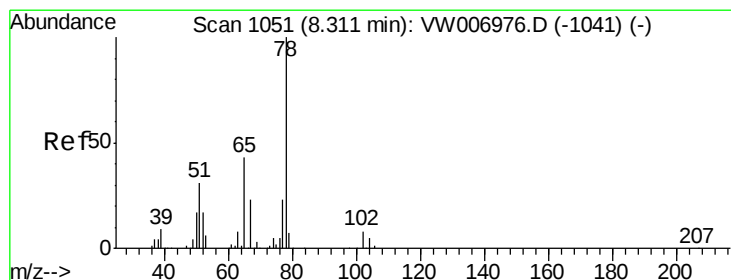
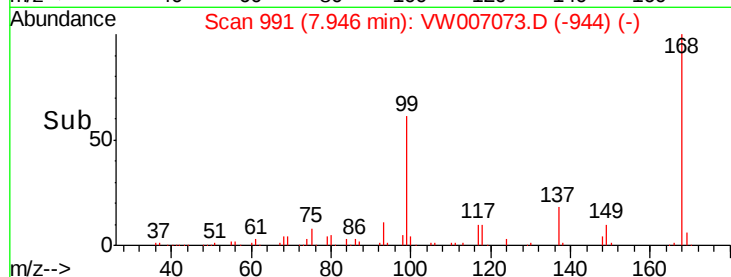
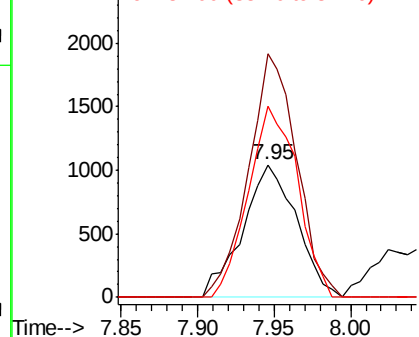
#31
Cyclohexane
Concen: 1.257 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW007073.D
Acq: 27 Nov 2018 04:19

Instrument :
MSVOA_W
ClientSampleId :
AOC1-05-B

Tot Ion: 56 Resp: 2548
Ion Ratio Lower Upper
56 100
69 183.3 29.1 43.7#
84 144.3 70.6 105.8#

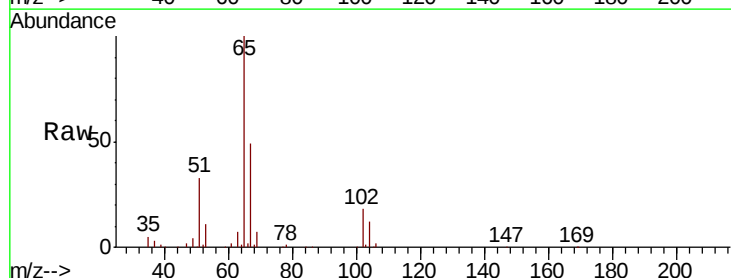


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

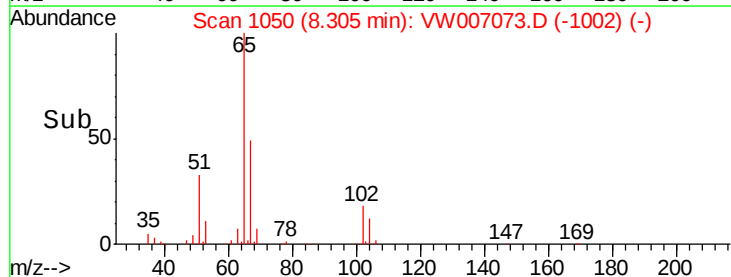
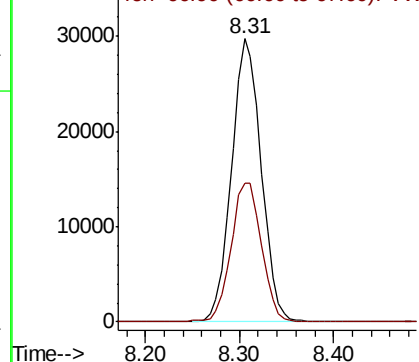


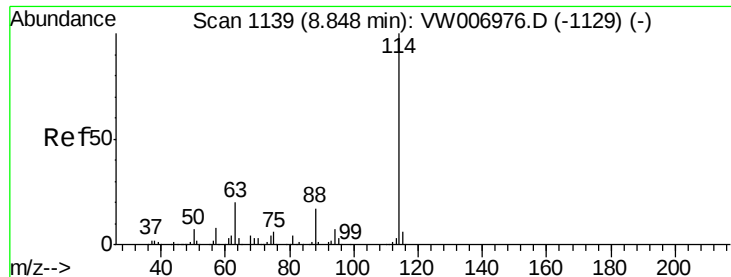
#33
1,2-Dichloroethane-d4
Concen: 61.593 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VW007073.D
Acq: 27 Nov 2018 04:19

Tgt Ion: 65 Resp: 64835
Ion Ratio Lower Upper
65 100
67 50.5 0.0 106.2



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. -0.01 min

Lab File: VW007073.D

Acq: 27 Nov 2018 04:19

Instrument :

MSVOA_W

ClientSampleId :

AOC1-05-B

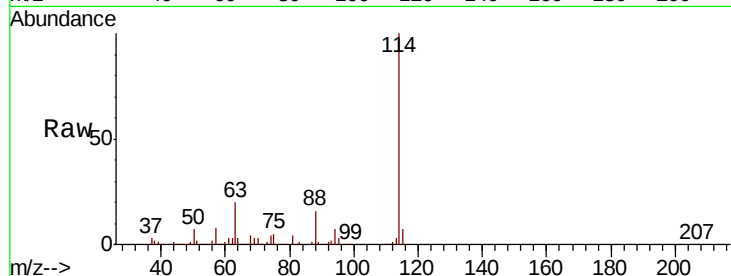
Tot Ion:114 Resp: 182143

Ion Ratio Lower Upper

114 100

63 20.0 0.0 39.4

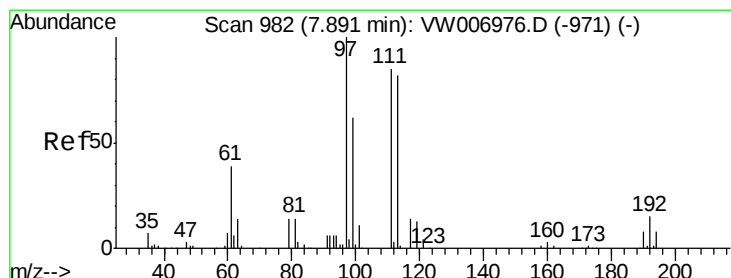
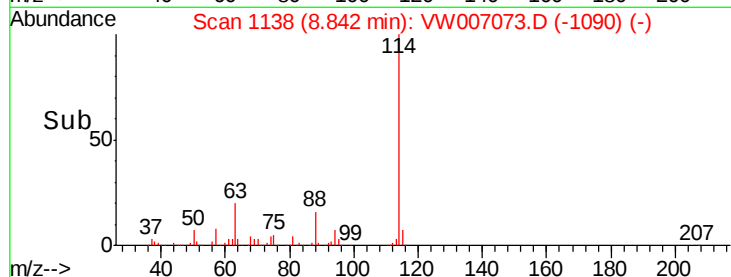
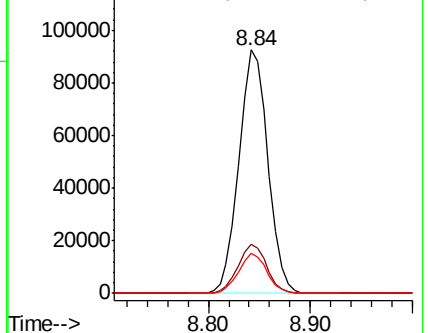
88 16.3 0.0 34.2



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: 51.033 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.01 min

Lab File: VW007073.D

Acq: 27 Nov 2018 04:19

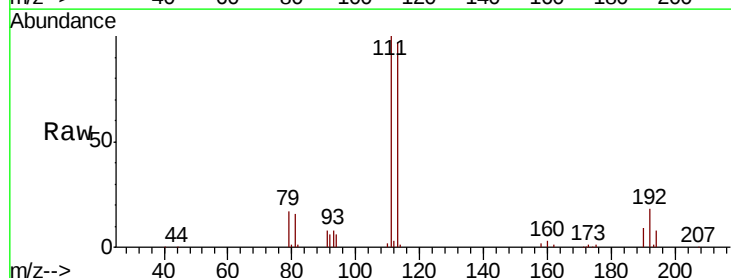
Tgt Ion:113 Resp: 52493

Ion Ratio Lower Upper

113 100

111 103.5 81.0 121.6

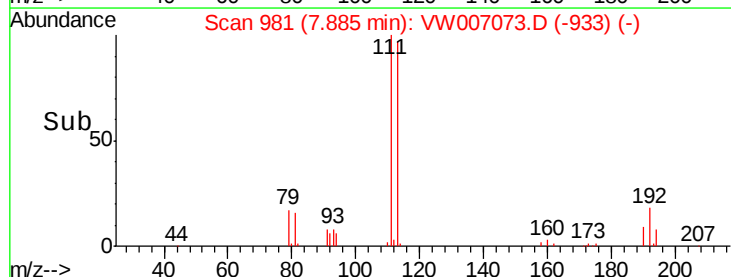
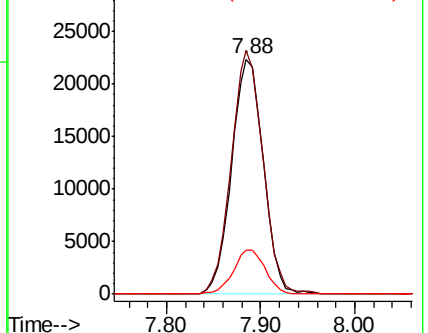
192 18.9 15.0 22.6

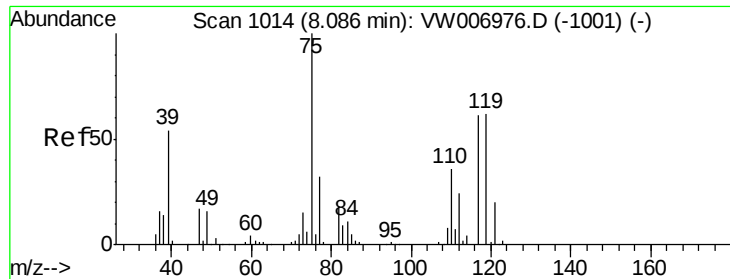


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

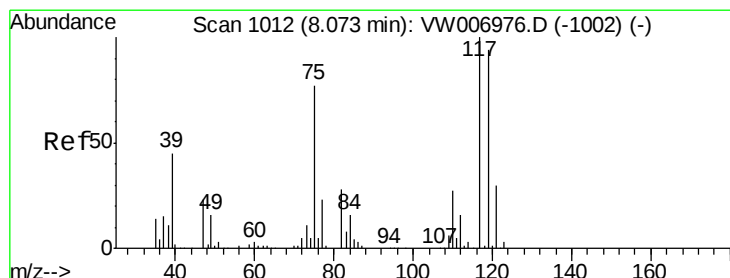
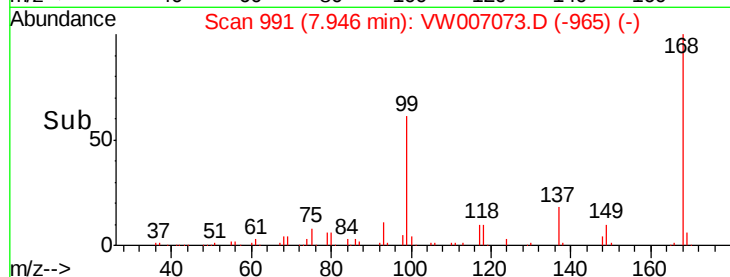
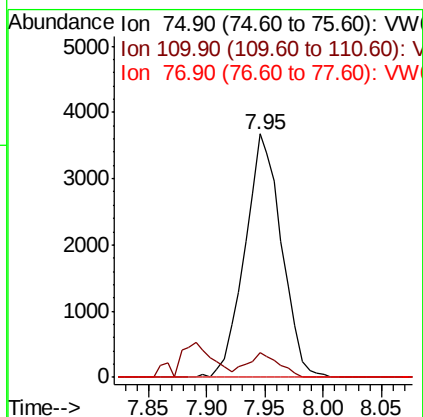
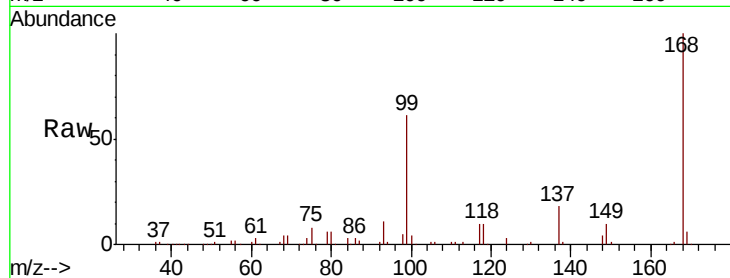




#36
 1,1-Dichloropropene
 Concen: 4.532 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.14 min
 Lab File: VW007073.D
 Acq: 27 Nov 2018 04:19

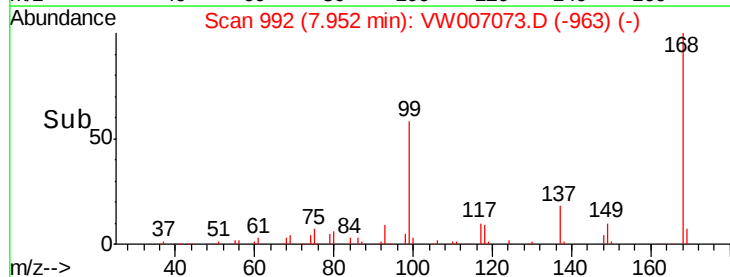
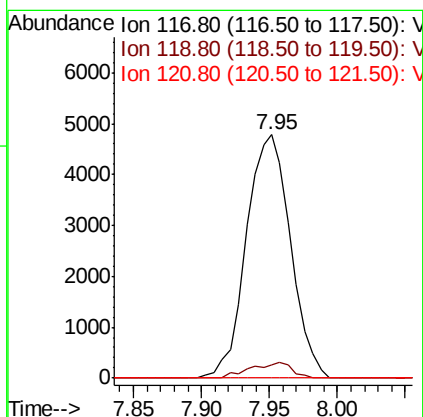
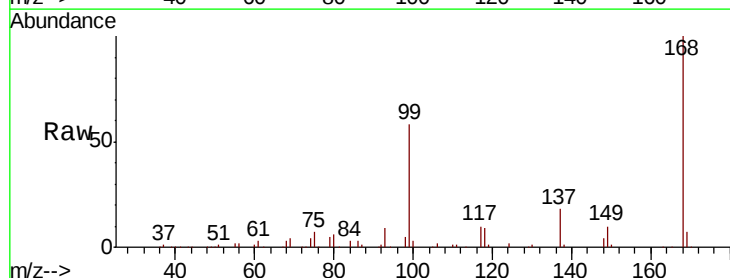
Instrument :
 MSVOA_W
 ClientSampleId :
 AOC1-05-B

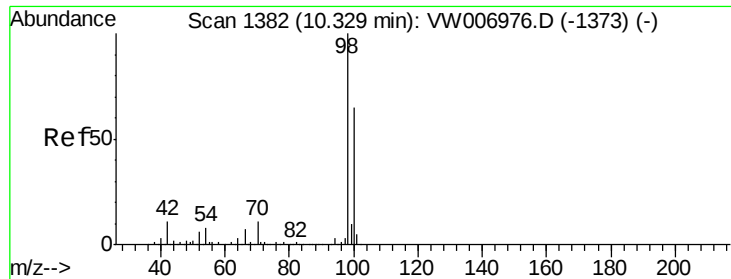
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.7	18.0	54.0#
77	0.0	24.9	37.3#



#38
 Carbon Tetrachloride
 Concen: 6.359 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.12 min
 Lab File: VW007073.D
 Acq: 27 Nov 2018 04:19

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.5	74.9	112.3#
121	0.0	23.6	35.4#





#50

Toluene-d8

Concen: 47.420 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.01 min

Lab File: VW007073.D

Acq: 27 Nov 2018 04:19

Instrument :

MSVOA_W

ClientSampleId :

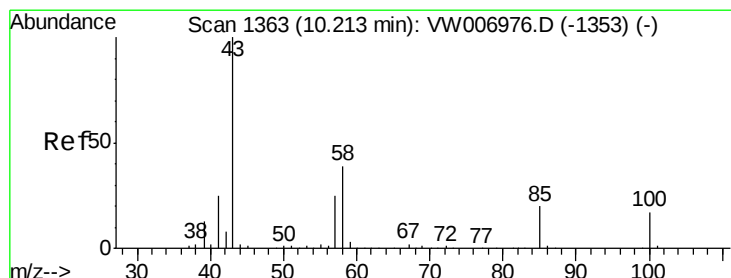
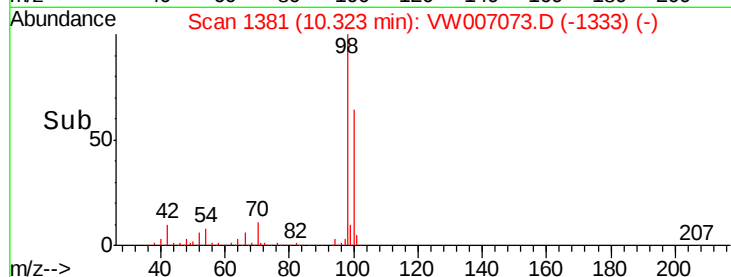
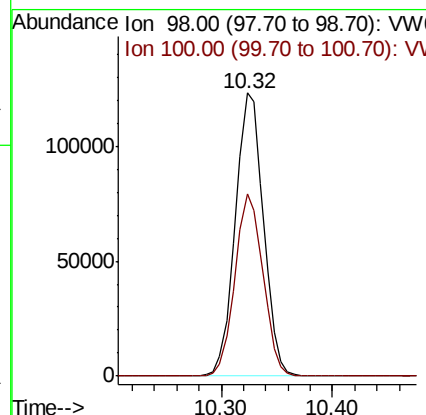
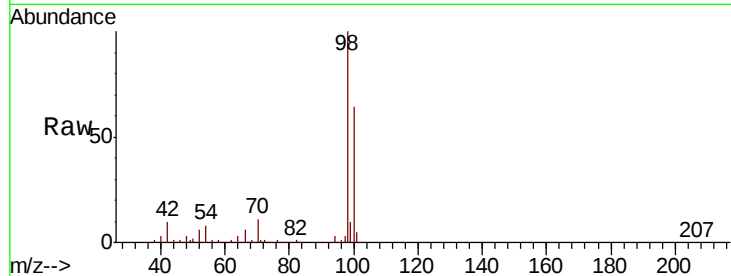
AOC1-05-B

Tot Ion: 98 Resp: 215389

Ion Ratio Lower Upper

98 100

100 64.1 52.2 78.2



#51

4-Methyl-2-Pentanone

Concen: 1.005 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW007073.D

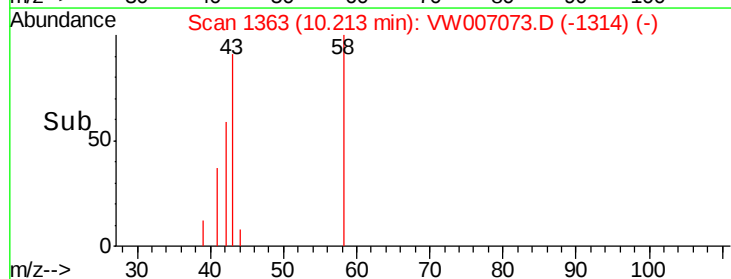
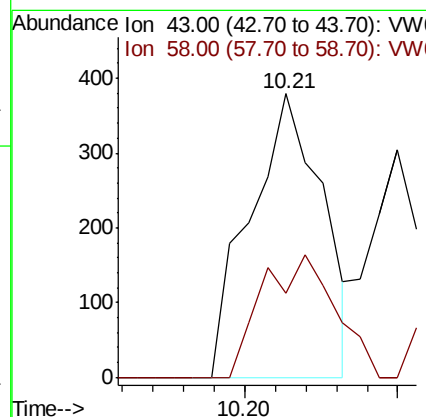
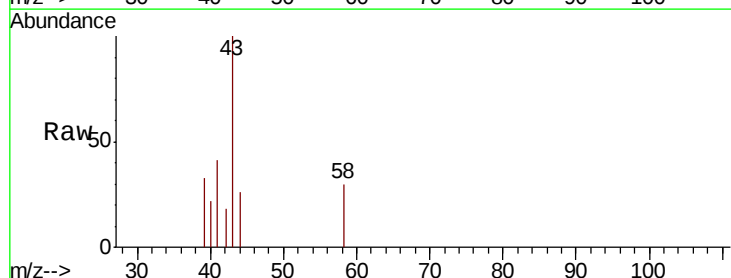
Acq: 27 Nov 2018 04:19

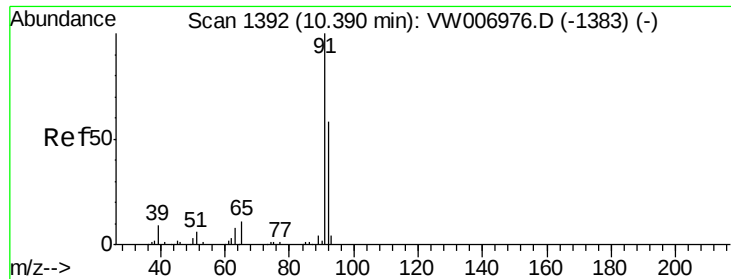
Tgt Ion: 43 Resp: 624

Ion Ratio Lower Upper

43 100

58 43.8 31.8 47.6





#52

Toluene

Concen: 2.423 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW007073.D

Acq: 27 Nov 2018 04:19

Instrument :

MSVOA_W

ClientSampleId :

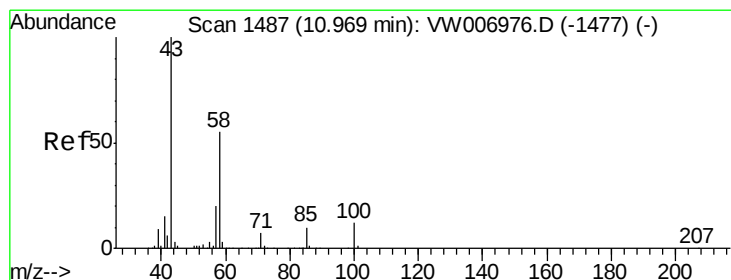
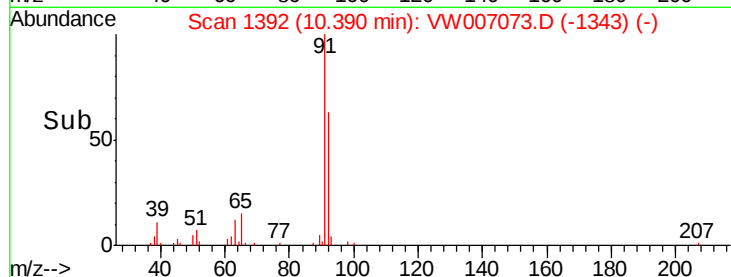
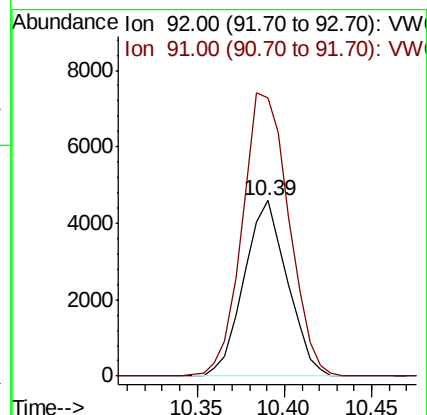
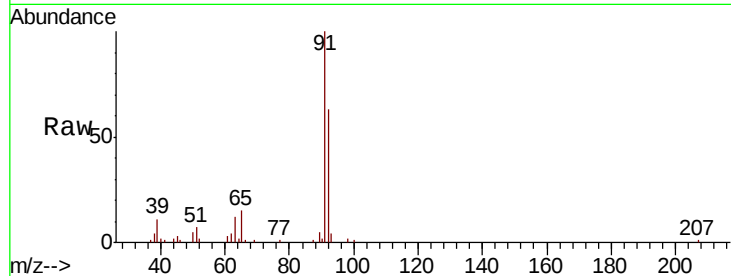
AOC1-05-B

Tot Ion: 92 Resp: 7924

Ion Ratio Lower Upper

92 100

91 173.4 137.3 205.9



#59

2-Hexanone

Concen: 1.674 ug/l

RT: 11.07 min Scan# 1504

Delta R.T. 0.10 min

Lab File: VW007073.D

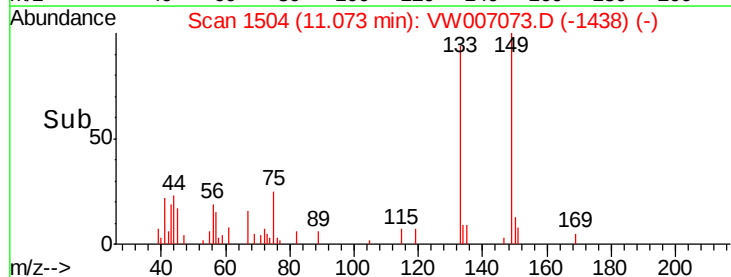
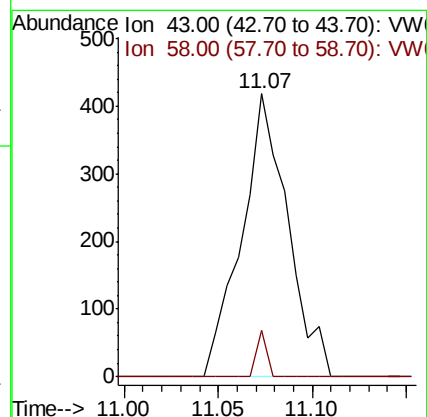
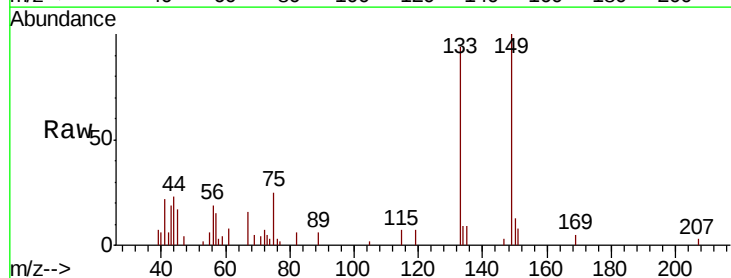
Acq: 27 Nov 2018 04:19

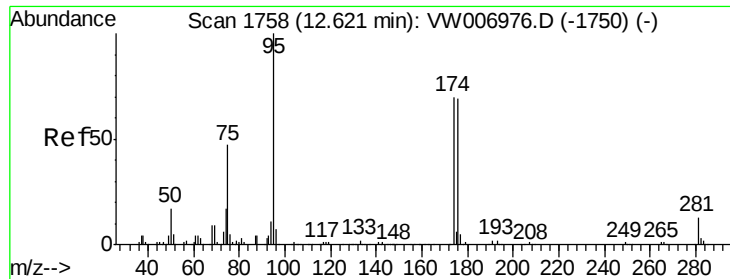
Tgt Ion: 43 Resp: 712

Ion Ratio Lower Upper

43 100

58 3.5 27.3 81.8#

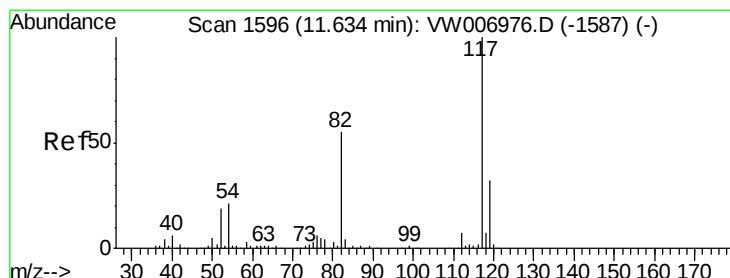
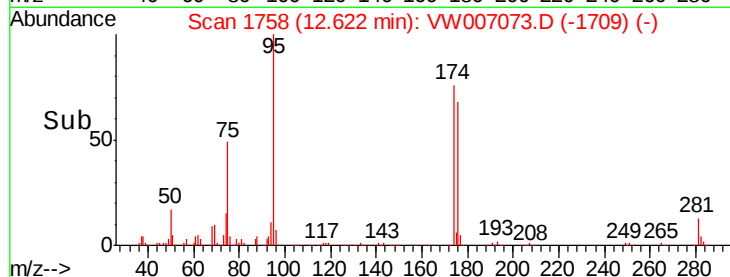
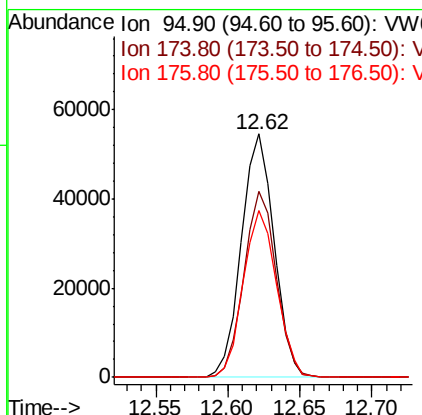
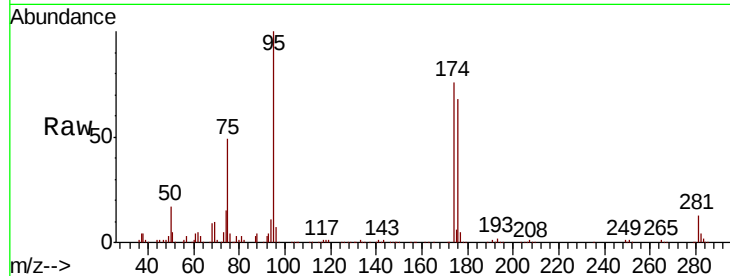




#62
4-Bromofluorobenzene
Concen: 48.047 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW007073.D
Acq: 27 Nov 2018 04:19

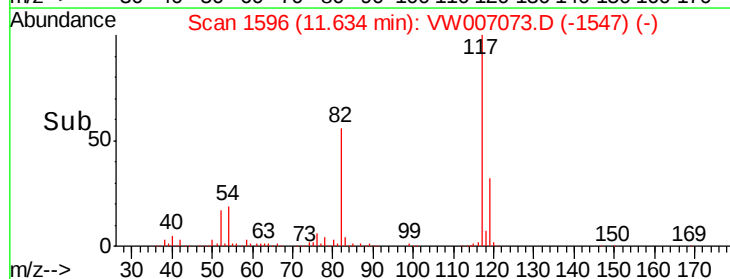
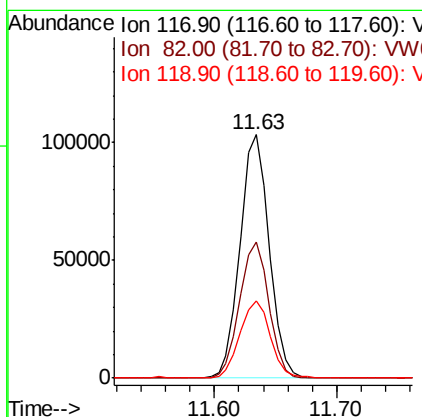
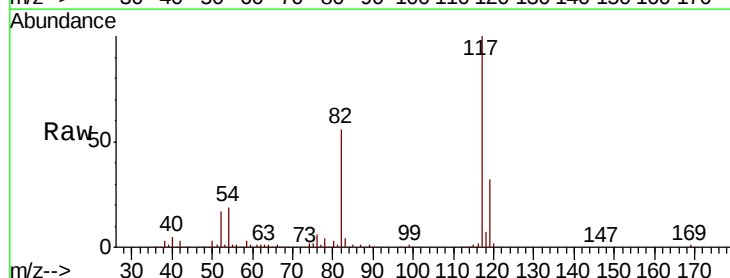
Instrument :
MSVOA_W
ClientSampleId :
AOC1-05-B

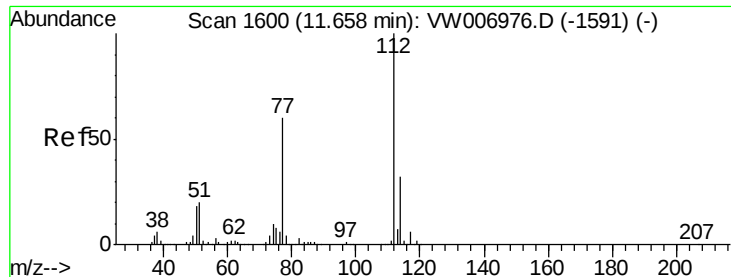
Tot Ion	95	Resp	85880
Ion Ratio	100		
Lower			
Upper			
174	75.4	0.0	143.6
176	69.9	0.0	140.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW007073.D
Acq: 27 Nov 2018 04:19

Tgt Ion	117	Resp	170935
Ion Ratio <td>100</td> <td></td> <td></td>	100		
Lower			
Upper			
82	56.1	44.2	66.2
119	31.6	25.9	38.9

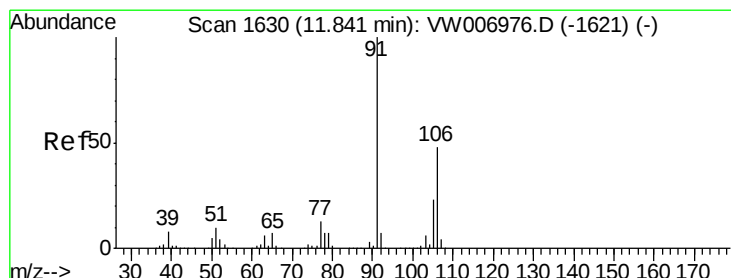
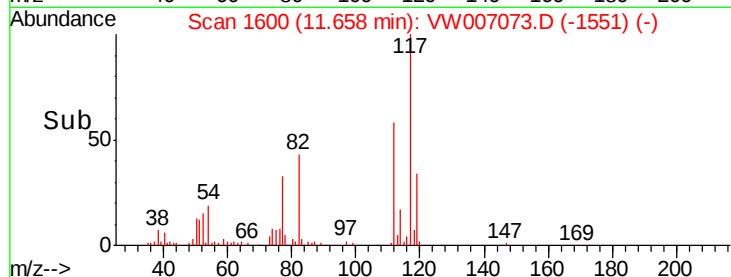
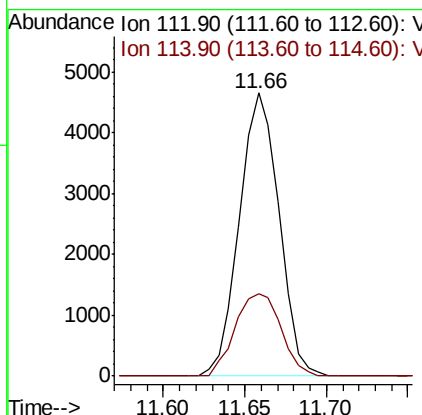
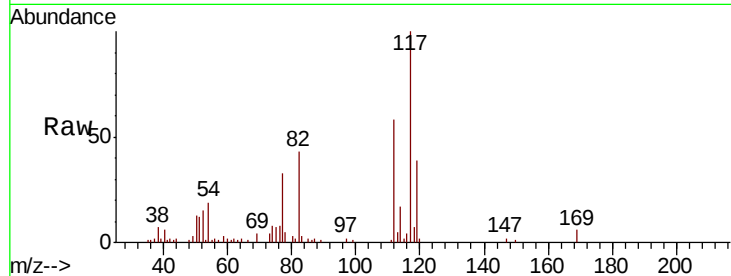




#65
Chlorobenzene
Concen: 2.212 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW007073.D
Acq: 27 Nov 2018 04:19

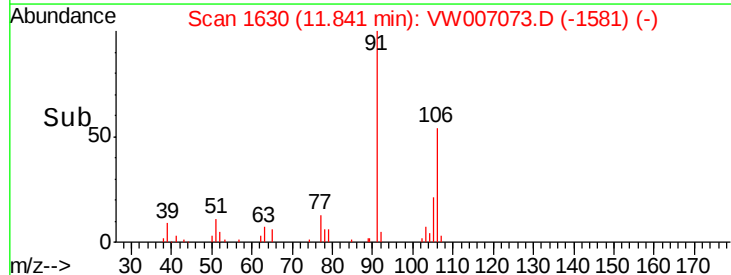
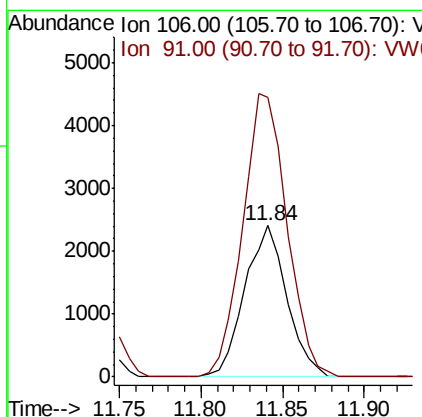
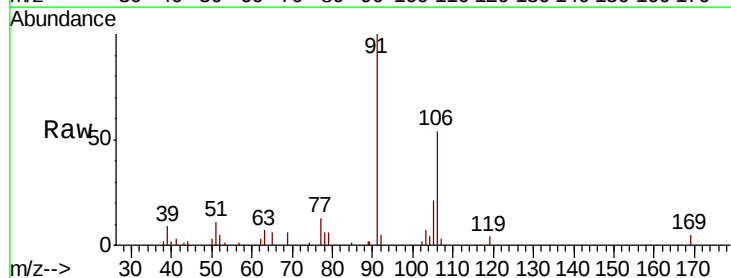
Instrument :
MSVOA_W
ClientSampleId :
AOC1-05-B

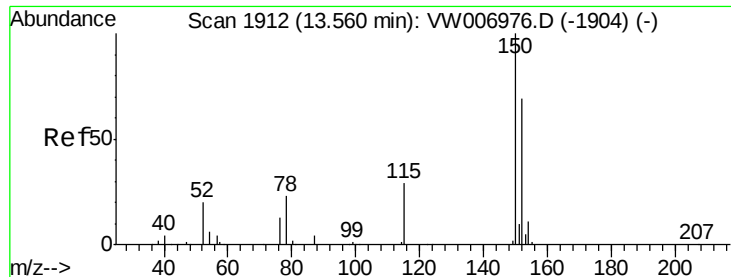
Tot Ion:112 Resp: 7891
Ion Ratio Lower Upper
112 100
114 29.0 25.8 38.8



#68
m/p-Xylenes
Concen: 1.678 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW007073.D
Acq: 27 Nov 2018 04:19

Tgt Ion:106 Resp: 4314
Ion Ratio Lower Upper
106 100
91 197.2 164.8 247.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW007073.D

Acq: 27 Nov 2018 04:19

Instrument :

MSVOA_W

ClientSampled :

AOC1-05-B

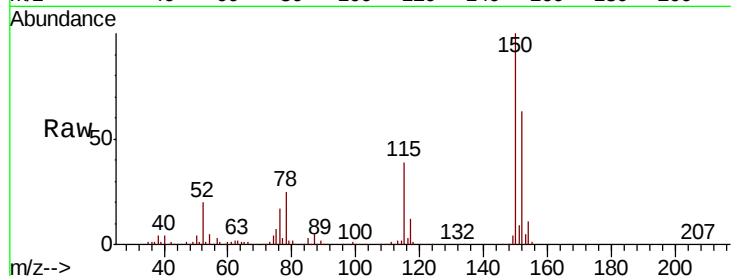
Tot Ion:152 Resp: 86528

Ion Ratio Lower Upper

152 100

115 60.4 31.4 94.2

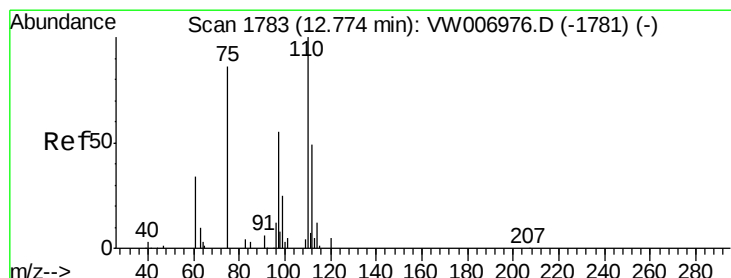
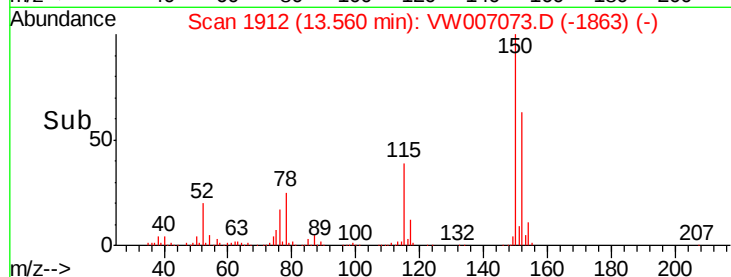
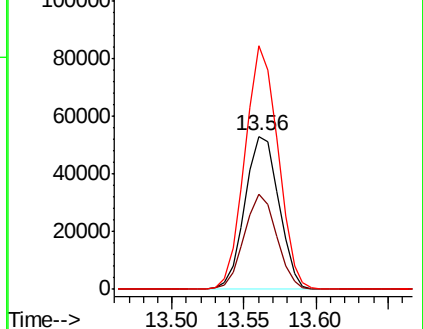
150 155.3 0.0 353.4



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



#76

1,2,3-Trichloropropane

Concen: 61.484 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW007073.D

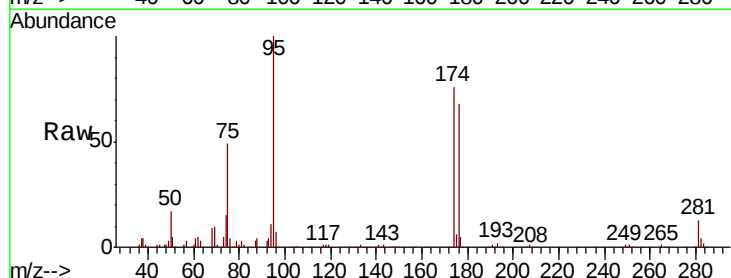
Acq: 27 Nov 2018 04:19

Tgt Ion: 75 Resp: 41805

Ion Ratio Lower Upper

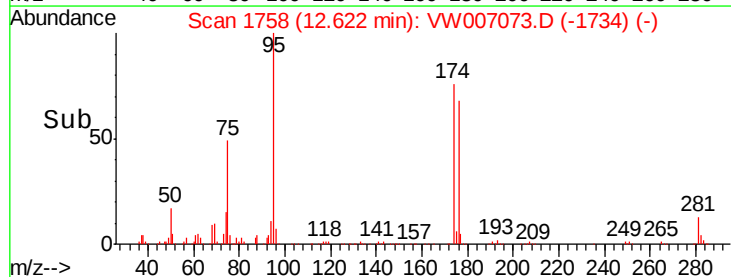
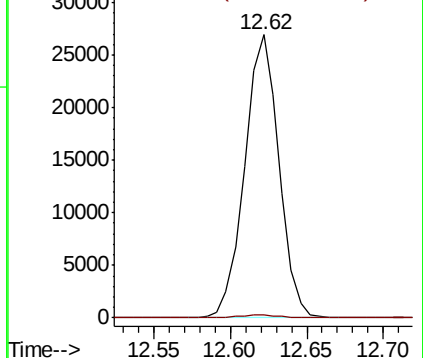
75 100

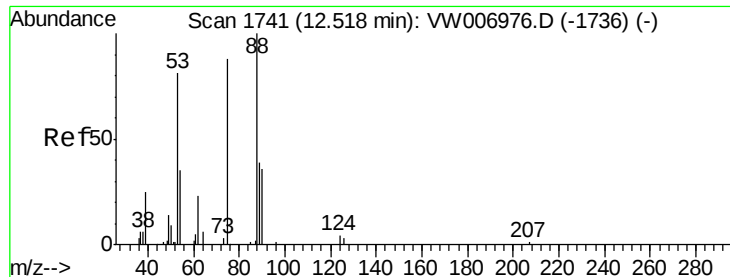
77 1.1 0.0 0.0#



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: 154.362 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW007073.D

Acq: 27 Nov 2018 04:19

Instrument :

MSVOA_W

ClientSampleId :

AOC1-05-B

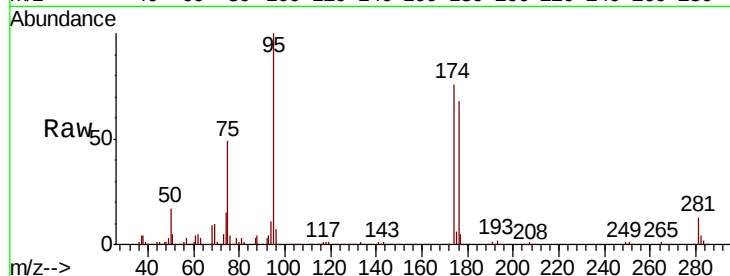
Tot Ion: 75 Resp: 41805

Ion Ratio Lower Upper

75 100

53 0.0 77.6 116.4#

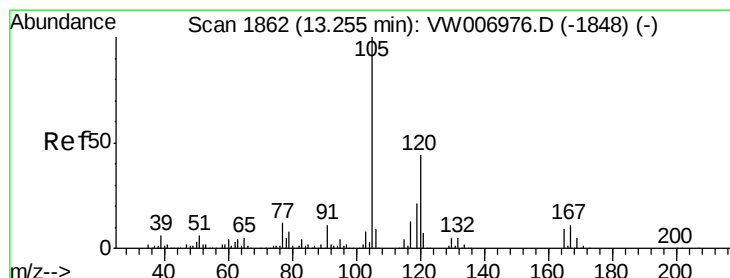
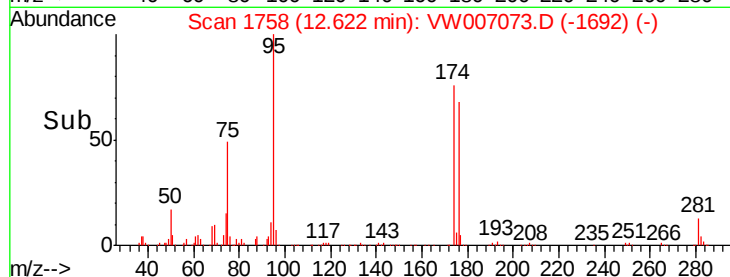
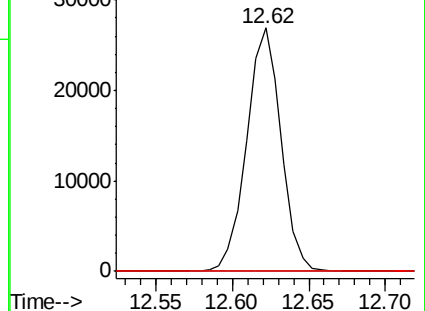
89 0.0 39.3 58.9#



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



#84

1,2,4-Trimethylbenzene

Concen: 1.836 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. 0.00 min

Lab File: VW007073.D

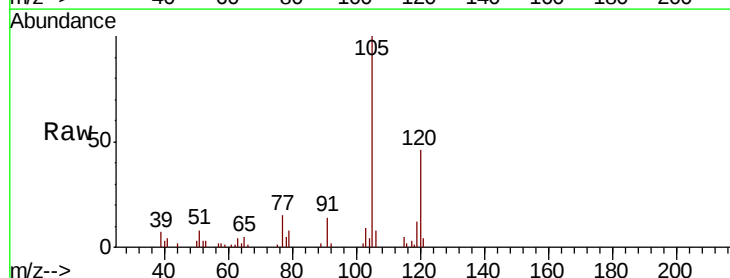
Acq: 27 Nov 2018 04:19

Tgt Ion: 105 Resp: 10637

Ion Ratio Lower Upper

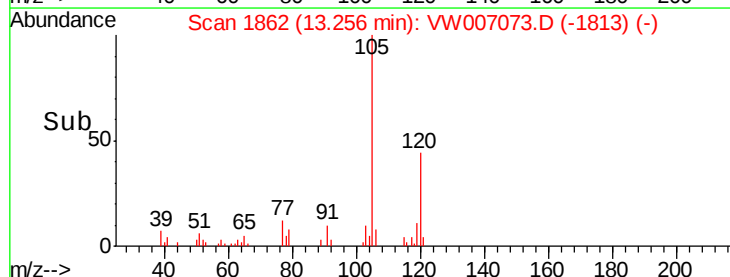
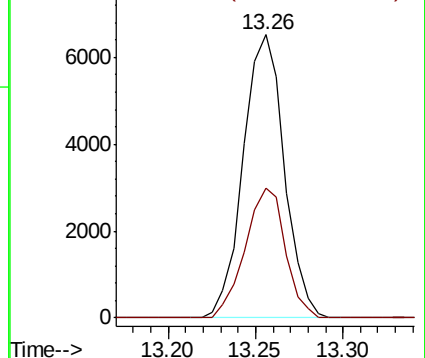
105 100

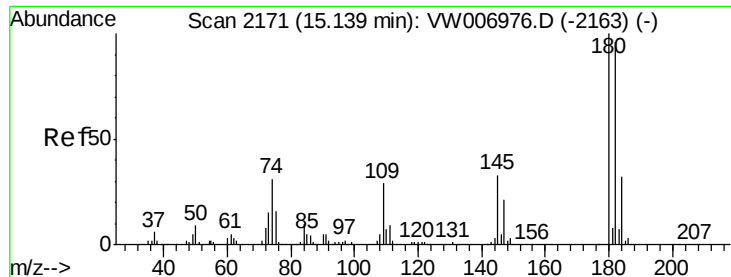
120 44.6 21.8 65.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

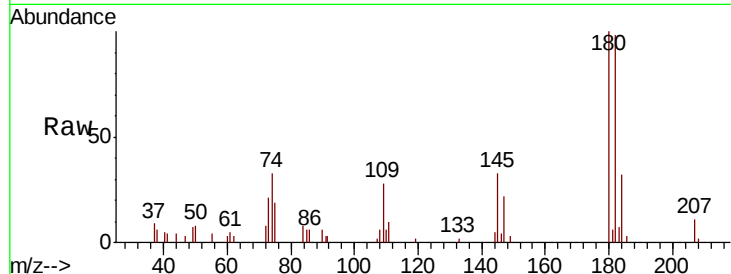




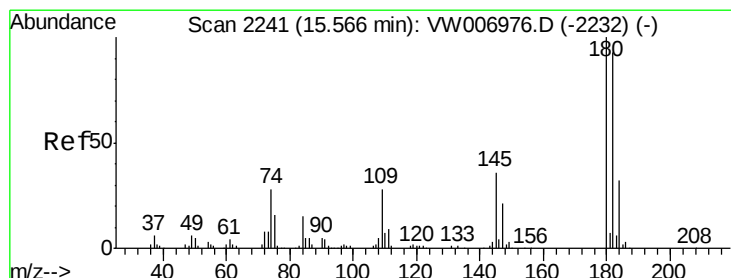
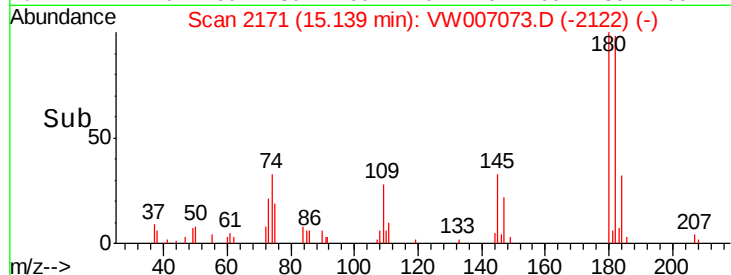
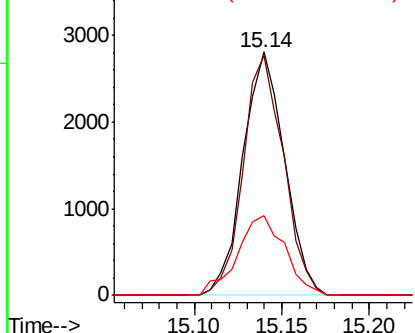
#93
 1,2,4-Trichlorobenzene
 Concen: 2.732 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW007073.D
 Acq: 27 Nov 2018 04:19

Instrument :
 MSVOA_W
 ClientSampleId :
 AOC1-05-B

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.1	141.3
145	37.2	16.5	49.5

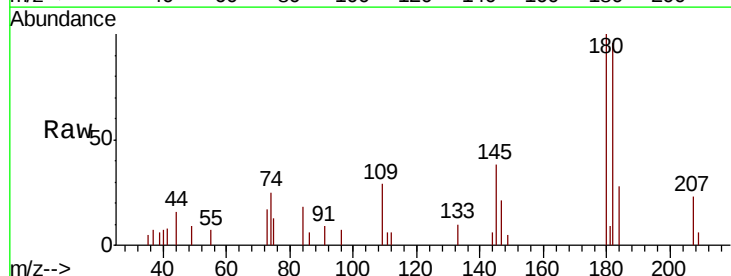


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V



#96
 1,2,3-Trichlorobenzene
 Concen: 1.135 ug/l
 RT: 15.56 min Scan# 2240
 Delta R.T. -0.01 min
 Lab File: VW007073.D
 Acq: 27 Nov 2018 04:19

Tgt Ion	Ratio	Lower	Upper
180	100		
182	100.8	47.0	141.2
145	43.2	18.0	54.0



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V

