

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW112618\
 Data File : VW007076.D
 Acq On : 27 Nov 2018 05:36
 Operator : VAY/AP
 Sample : J5996-25
 Misc : 5.31G/5ML/MSVOA W/SOIL
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 AOC1-06-A

Quant Time: Nov 27 07:53:48 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	97913	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	155367	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	118703	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	38557	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	52936	55.22	ug/l	0.00
Spiked Amount			Recovery	=	110.44%	
35) Dibromofluoromethane	7.95	113	214	0.24	ug/l	0.05
Spiked Amount			Recovery	=	0.48%	
50) Toluene-d8	10.33	98	166428	42.96	ug/l	0.00
Spiked Amount			Recovery	=	85.92%	
62) 4-Bromofluorobenzene	12.62	95	49665	32.57	ug/l	0.00
Spiked Amount			Recovery	=	65.14%	

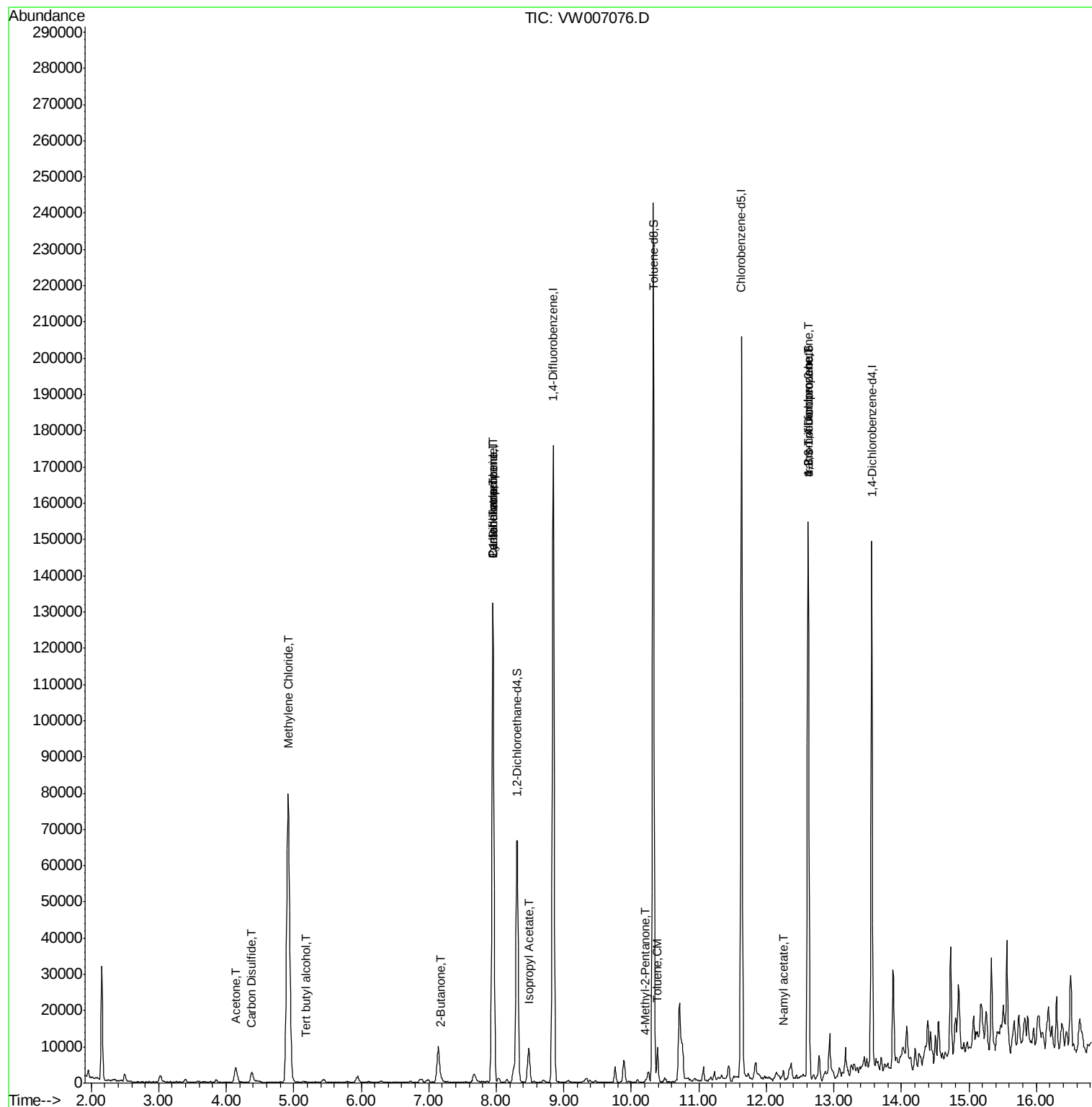
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.19	59	241	3.862	ug/l #	71
16) Acetone	4.14	43	8336	59.895	ug/l	100
17) Carbon Disulfide	4.38	76	6125	2.138	ug/l #	94
20) Methylene Chloride	4.92	84	64363	59.002	ug/l	98
25) 2-Butanone	7.18	43	2056	8.625	ug/l	94
31) Cyclohexane	7.95	56	2326	1.260	ug/l #	20
36) 1,1-Dichloropropene	7.95	75	7597	5.004	ug/l #	51
38) Carbon Tetrachloride	7.95	117	9771	6.721	ug/l #	19
43) Isopropyl Acetate	8.49	43	1676	1.599	ug/l #	49
51) 4-Methyl-2-Pentanone	10.21	43	581	1.097	ug/l	94
52) Toluene	10.39	92	4184	1.500	ug/l	89
74) N-amyl acetate	12.25	43	786	1.565	ug/l #	65
76) 1,2,3-Trichloropropane	12.62	75	24488	80.824	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	24488	202.917	ug/l #	10

(#) = 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. -0.00 min

Lab File: VW007076.D

Acq: 27 Nov 2018 05:36

Instrument :

MSVOA_W

ClientSampleId :

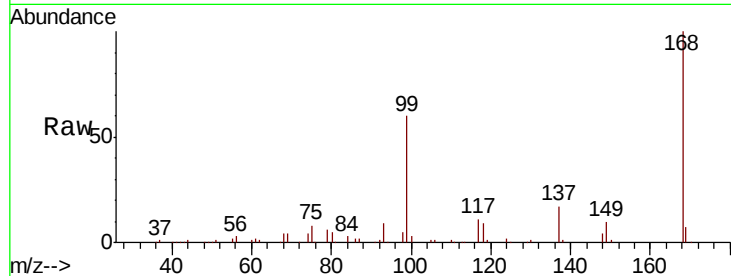
AOC1-06-A

Tot Ion:168 Resp: 97913

Ion Ratio Lower Upper

168 100

99 60.5 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

50000

40000

30000

20000

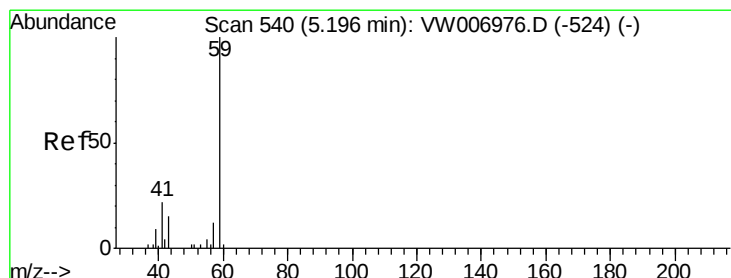
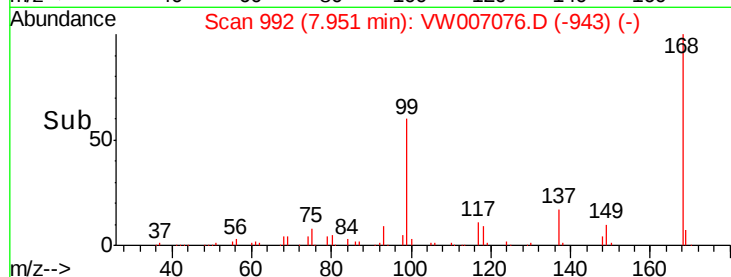
10000

0

7.90

8.00

Time-->



#11

Tert butyl alcohol

Concen: 3.862 ug/l

RT: 5.19 min Scan# 539

Delta R.T. -0.01 min

Lab File: VW007076.D

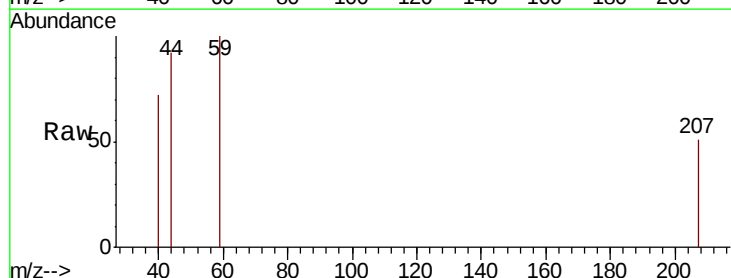
Acq: 27 Nov 2018 05:36

Tgt Ion: 59 Resp: 241

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

5.19

100

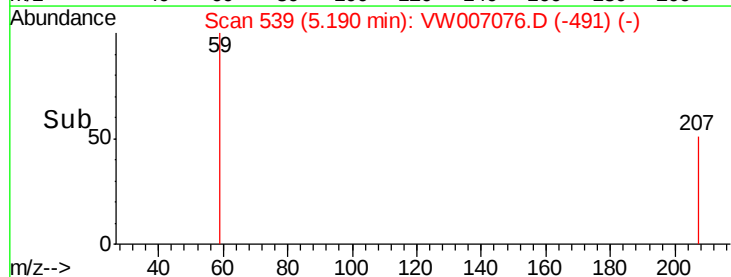
50

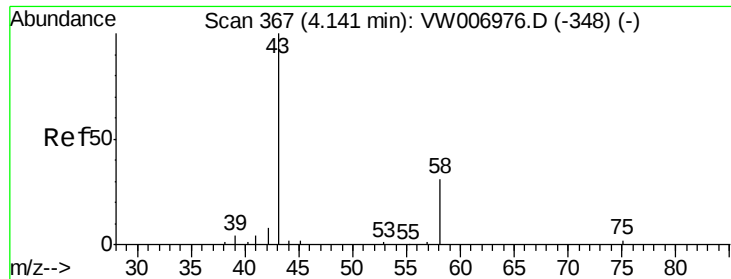
0

5.15

5.20

Time-->





#16

Acetone

Concen: 59.895 ug/l

RT: 4.14 min Scan# 367

Delta R.T. -0.00 min

Lab File: VW007076.D

Acq: 27 Nov 2018 05:36

Instrument :

MSVOA_W

ClientSampleId :

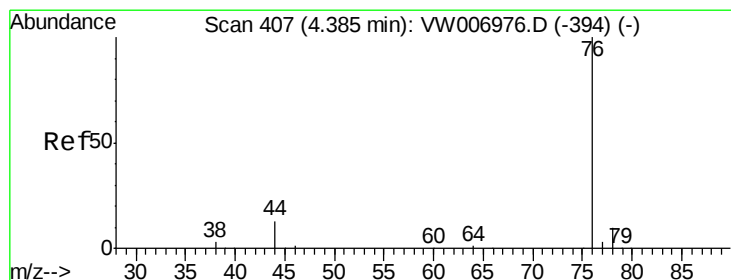
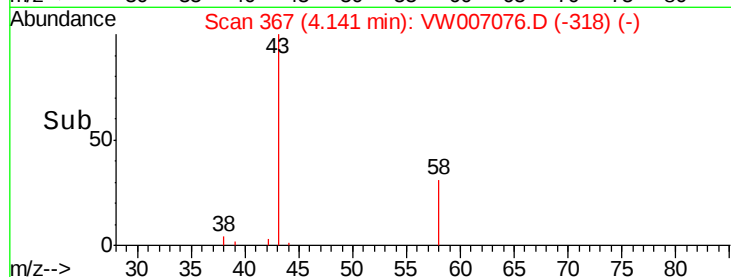
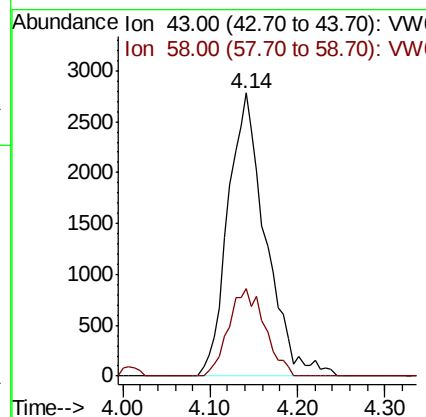
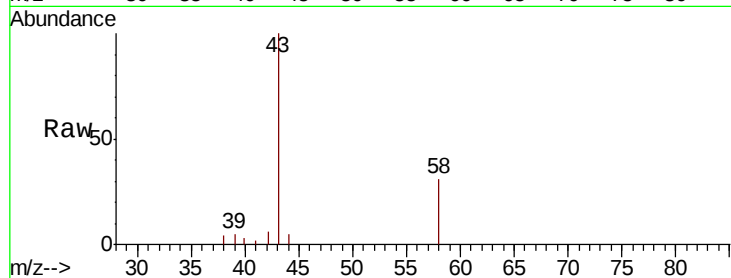
AOC1-06-A

Tot Ion: 43 Resp: 8336

Ion Ratio Lower Upper

43 100

58 31.1 24.8 37.2



#17

Carbon Disulfide

Concen: 2.138 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW007076.D

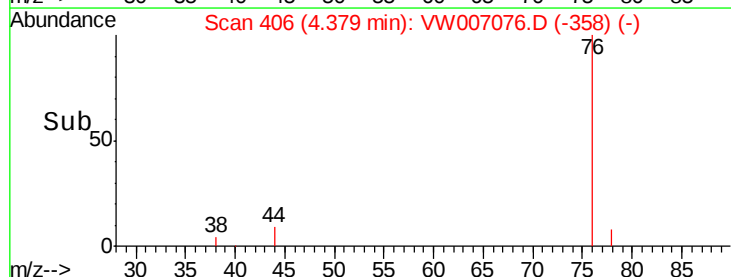
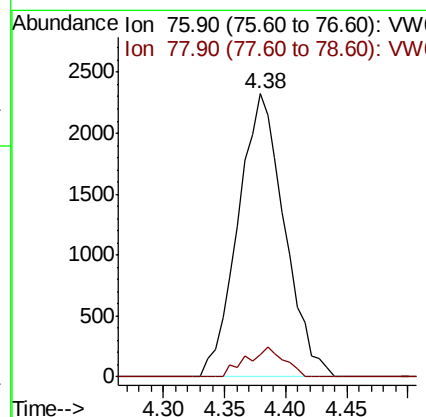
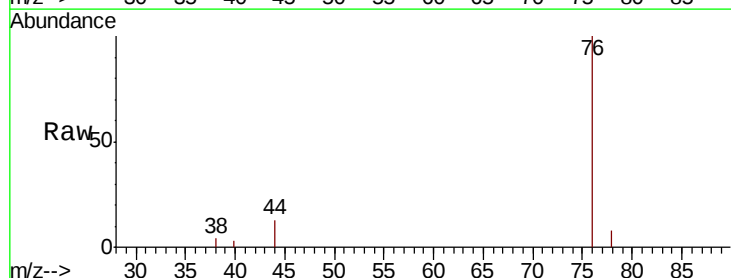
Acq: 27 Nov 2018 05:36

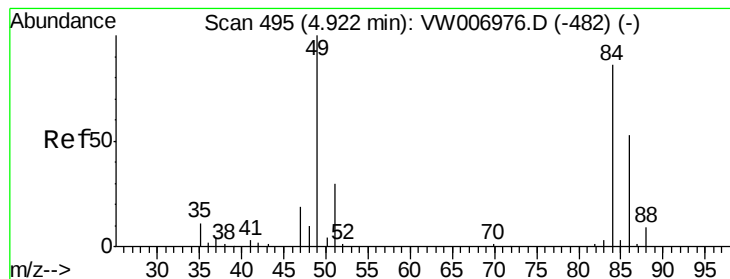
Tgt Ion: 76 Resp: 6125

Ion Ratio Lower Upper

76 100

78 7.7 7.8 11.6#





#20

Methylene Chloride

Concen: 59.002 ug/l

RT: 4.92 min Scan# 495

Delta R.T. 0.00 min

Lab File: VW007076.D

Acq: 27 Nov 2018 05:36

Instrument :

MSVOA_W

ClientSampled :

AOC1-06-A

Tot Ion: 84 Resp: 64363

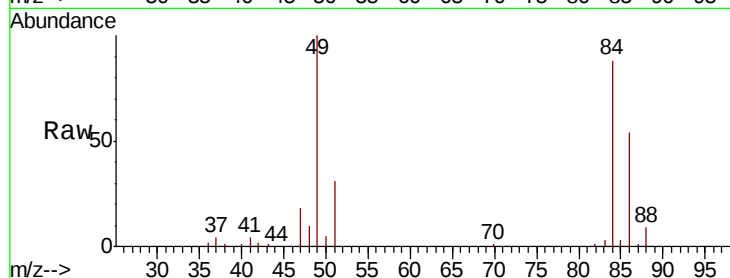
Ion Ratio Lower Upper

84 100

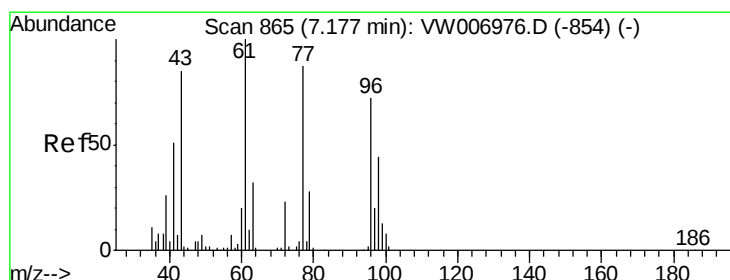
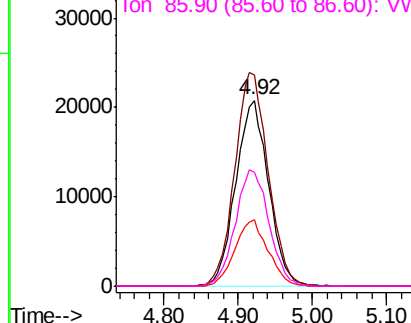
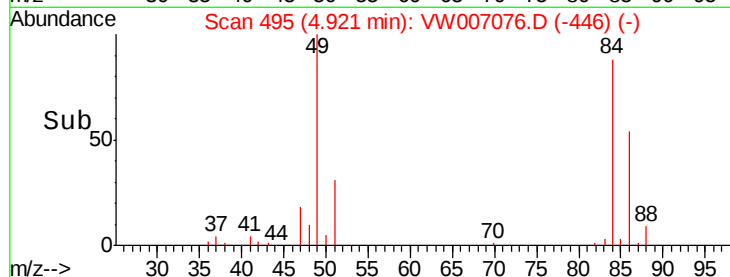
49 114.0 93.4 140.0

51 35.6 28.4 42.6

86 61.0 49.8 74.8



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: 8.625 ug/l

RT: 7.18 min Scan# 865

Delta R.T. -0.00 min

Lab File: VW007076.D

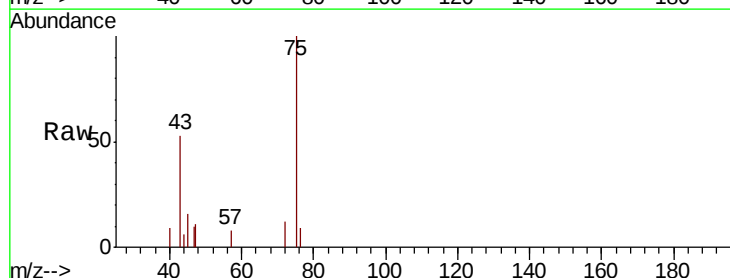
Acq: 27 Nov 2018 05:36

Tgt Ion: 43 Resp: 2056

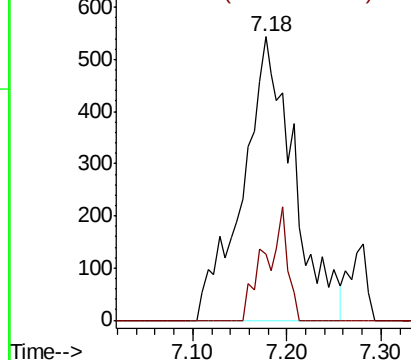
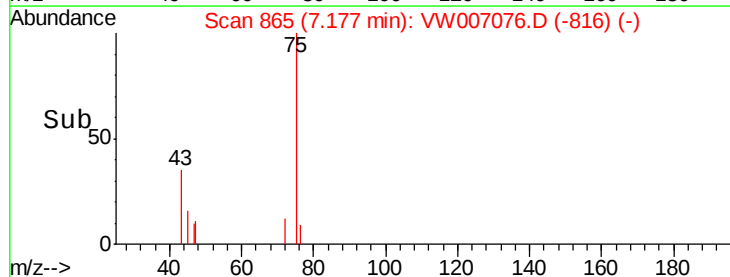
Ion Ratio Lower Upper

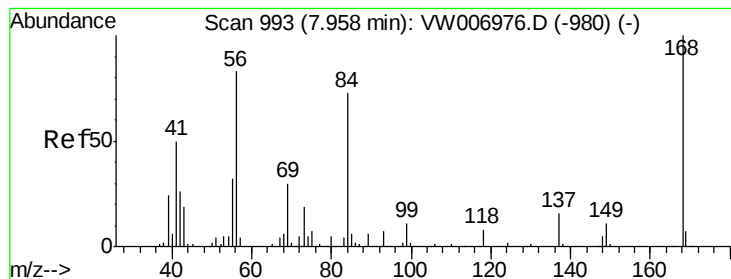
43 100

72 23.4 21.3 31.9



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





#31

Cyclohexane

Concen: 1.260 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW007076.D

Acq: 27 Nov 2018 05:36

Instrument :

MSVOA_W

ClientSampleId :

AOC1-06-A

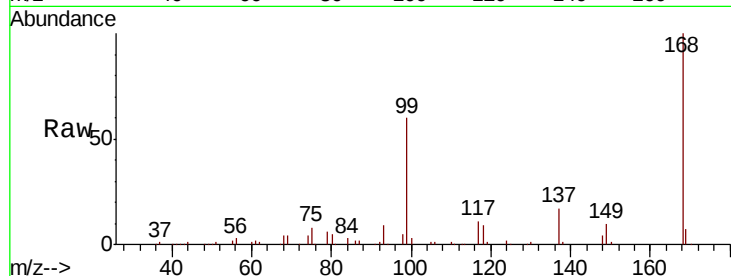
Tot Ion: 56 Resp: 2326

Ion Ratio Lower Upper

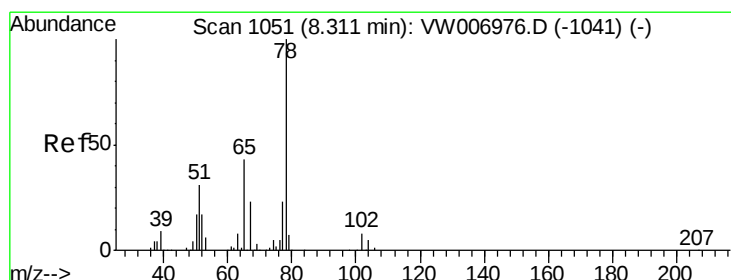
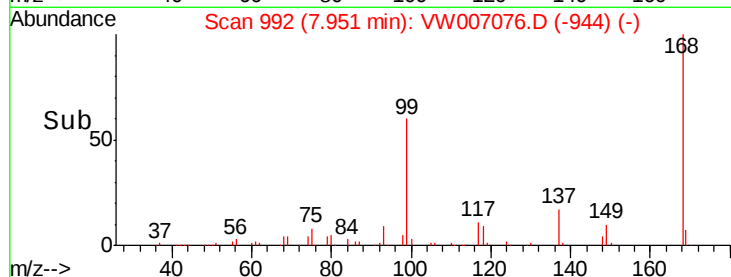
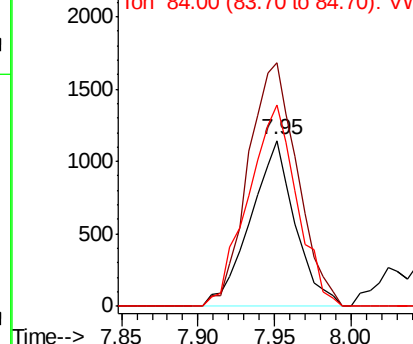
56 100

69 146.6 29.1 43.7#

84 121.4 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: 55.223 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VW007076.D

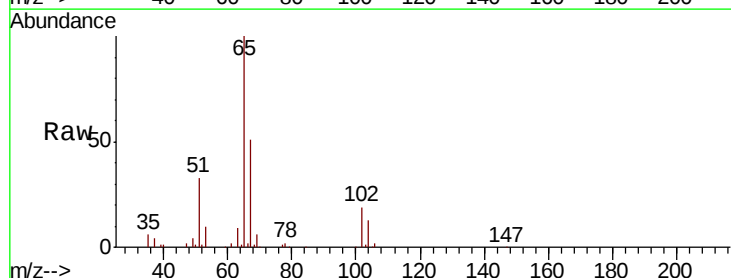
Acq: 27 Nov 2018 05:36

Tgt Ion: 65 Resp: 52936

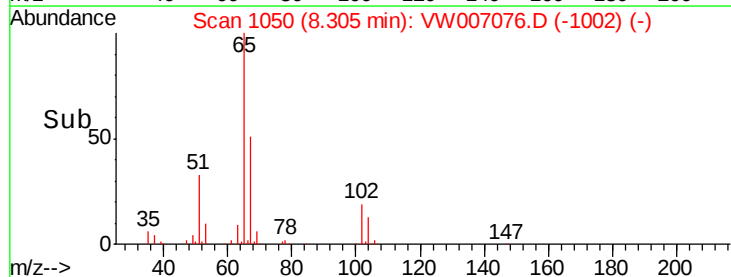
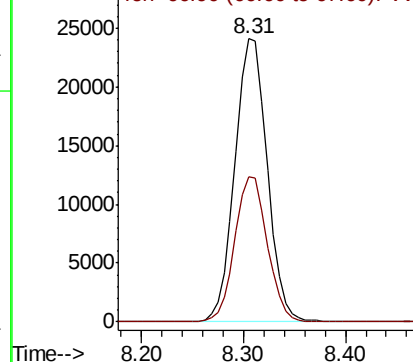
Ion Ratio Lower Upper

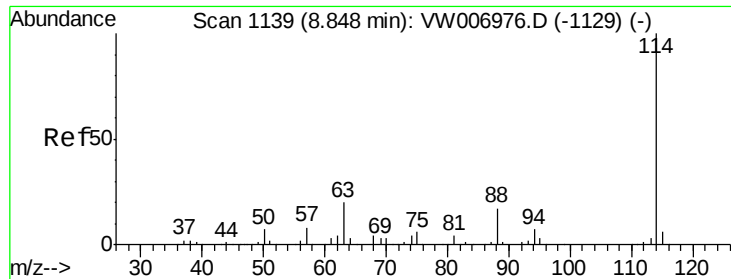
65 100

67 51.4 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

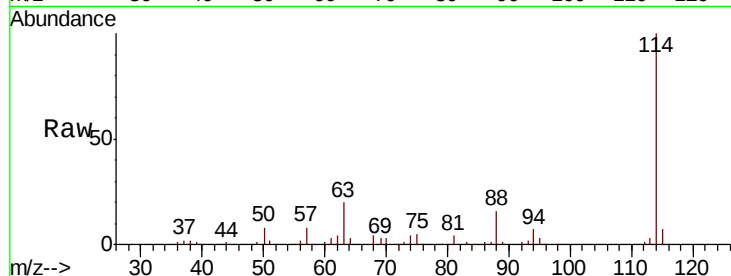




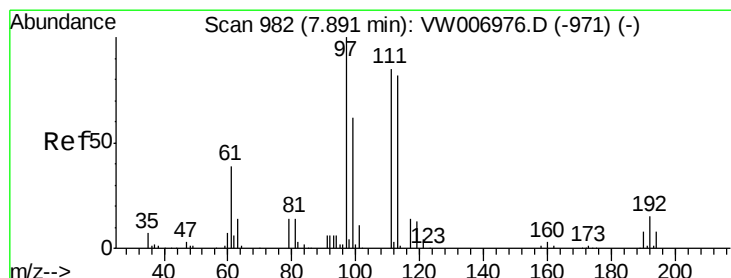
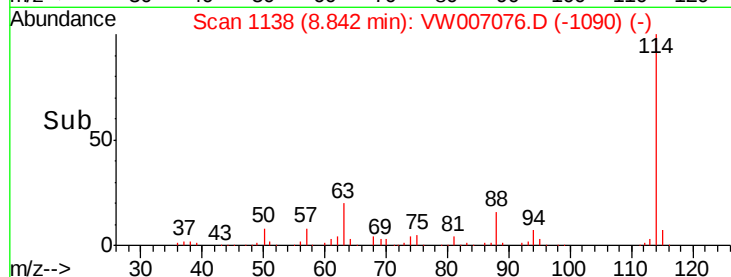
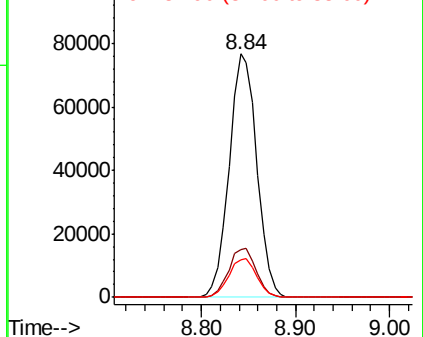
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1138
Delta R.T. -0.01 min
Lab File: VW007076.D
Acq: 27 Nov 2018 05:36

Instrument :
MSVOA_W
ClientSampleId :
AOC1-06-A

Tot Ion:114 Resp: 155367
Ion Ratio Lower Upper
114 100
63 19.9 0.0 39.4
88 15.6 0.0 34.2

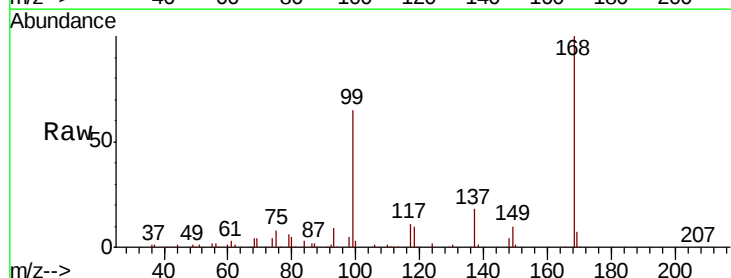


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VW
Ion 87.90 (87.60 to 88.60): VW

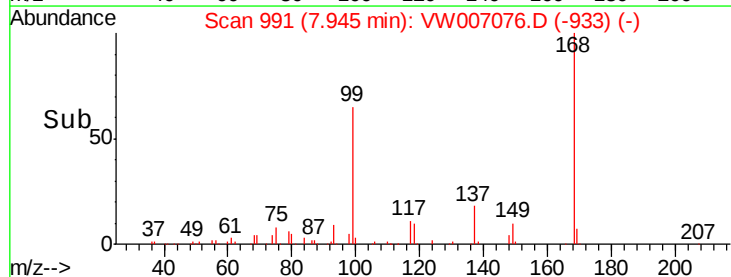
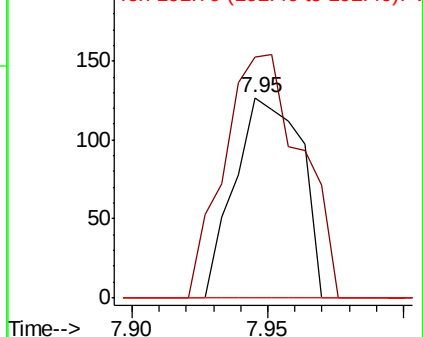


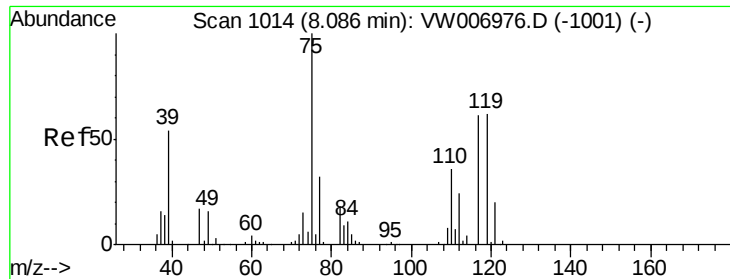
#35
Dibromofluoromethane
Concen: 0.244 ug/l
RT: 7.95 min Scan# 991
Delta R.T. 0.05 min
Lab File: VW007076.D
Acq: 27 Nov 2018 05:36

Tgt Ion:113 Resp: 214
Ion Ratio Lower Upper
113 100
111 141.6 81.0 121.6#
192 0.0 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

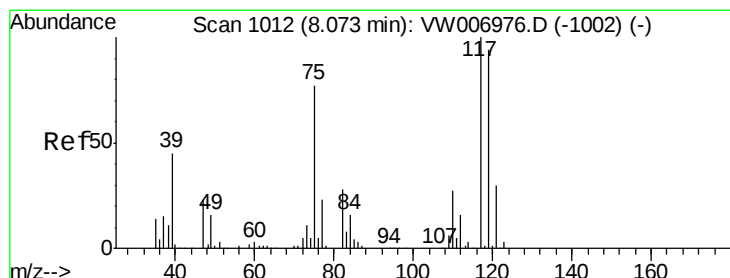
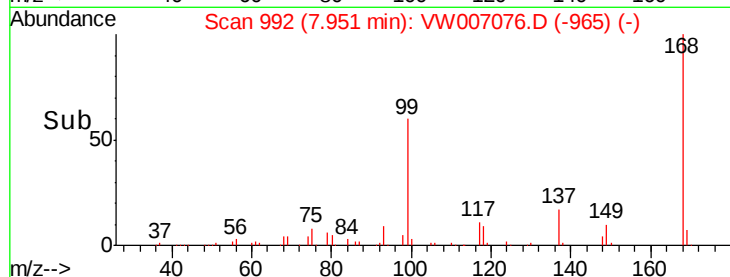
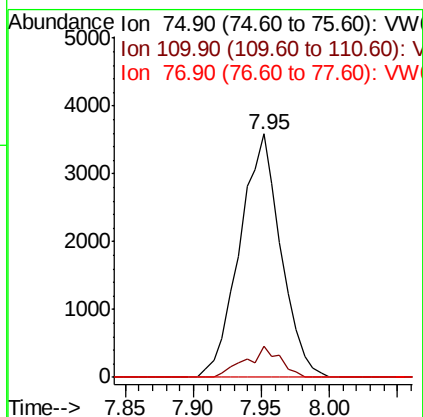
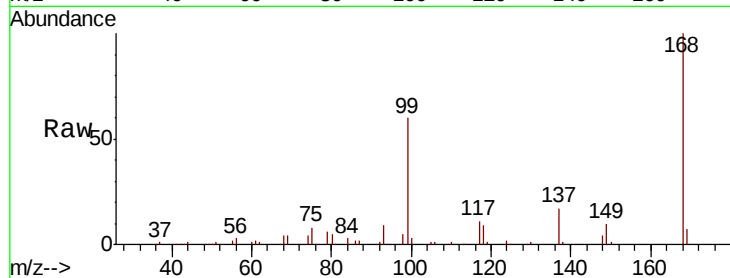




#36
 1,1-Dichloropropene
 Concen: 5.004 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW007076.D
 Acq: 27 Nov 2018 05:36

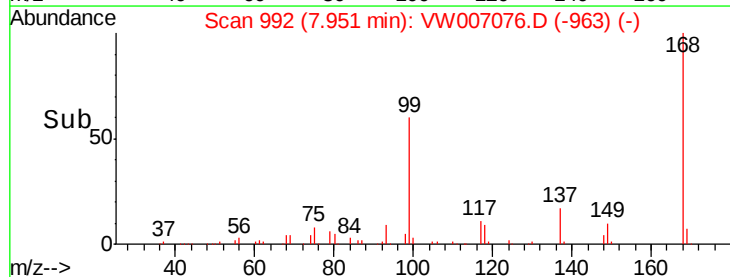
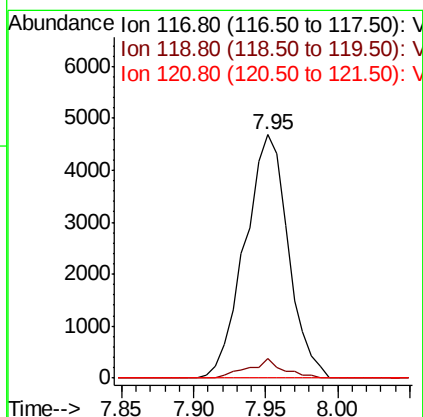
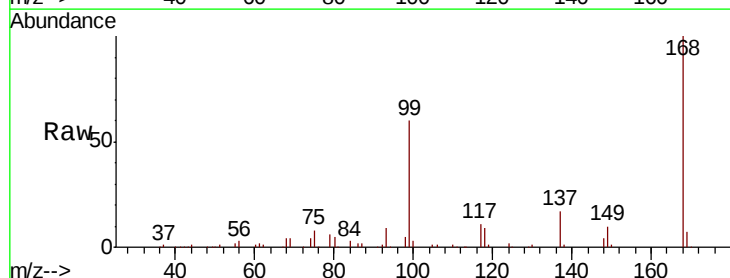
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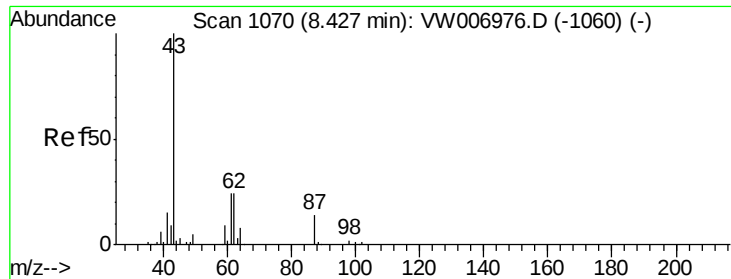
Tot Ion: 75 Resp: 7597
 Ion Ratio Lower Upper
 75 100
 110 10.5 18.0 54.0#
 77 0.0 24.9 37.3#



#38
 Carbon Tetrachloride
 Concen: 6.721 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.12 min
 Lab File: VW007076.D
 Acq: 27 Nov 2018 05:36

Tgt Ion: 117 Resp: 9771
 Ion Ratio Lower Upper
 117 100
 119 7.8 74.9 112.3#
 121 0.0 23.6 35.4#





#43

Isopropyl Acetate

Concen: 1.599 ug/l

RT: 8.49 min Scan# 1080

Delta R.T. 0.06 min

Lab File: VW007076.D

Acq: 27 Nov 2018 05:36

Instrument :

MSVOA_W

ClientSampleId :

AOC1-06-A

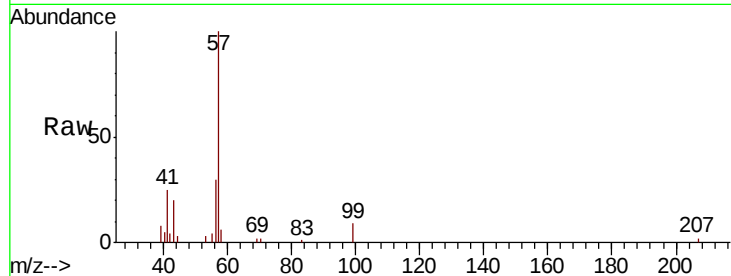
Tot Ion: 43 Resp: 1676

Ion Ratio Lower Upper

43 100

61 0.0 26.1 39.1#

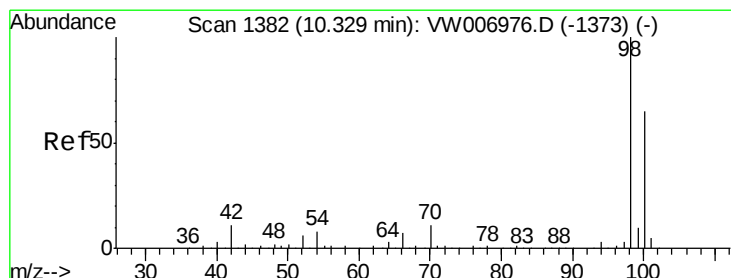
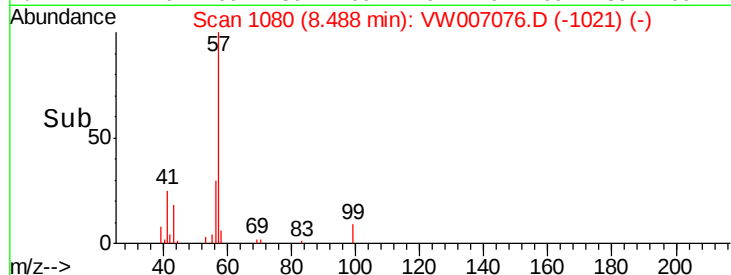
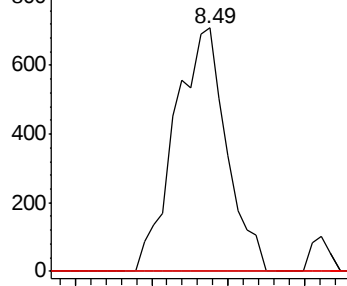
87 0.0 11.2 16.8#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW



#50

Toluene-d8

Concen: 42.955 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW007076.D

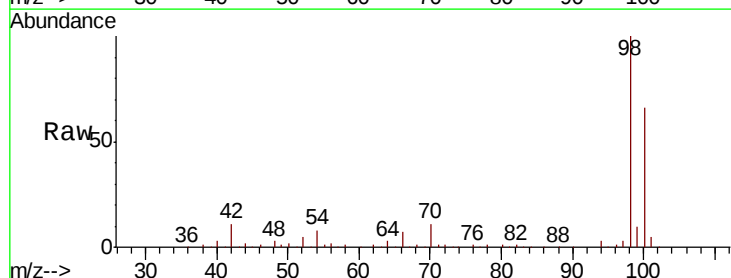
Acq: 27 Nov 2018 05:36

Tgt Ion: 98 Resp: 166428

Ion Ratio Lower Upper

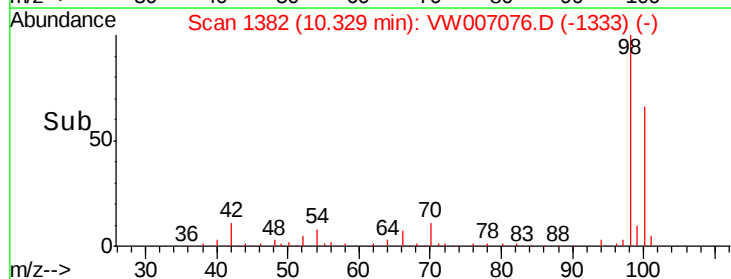
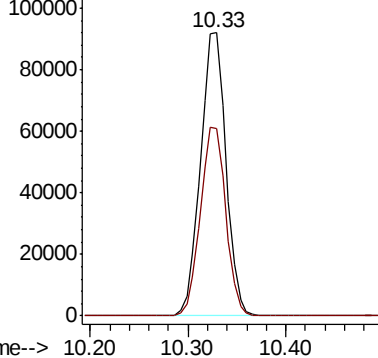
98 100

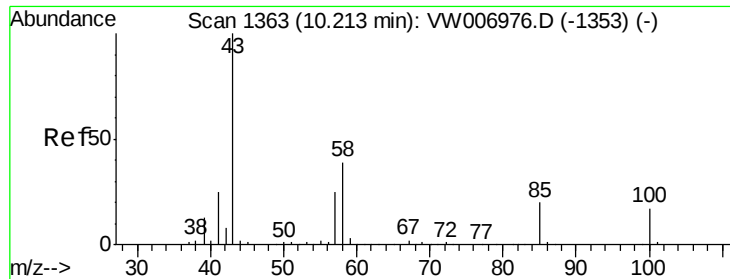
100 66.3 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 1.097 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW007076.D

Acq: 27 Nov 2018 05:36

Instrument :

MSVOA_W

ClientSampleId :

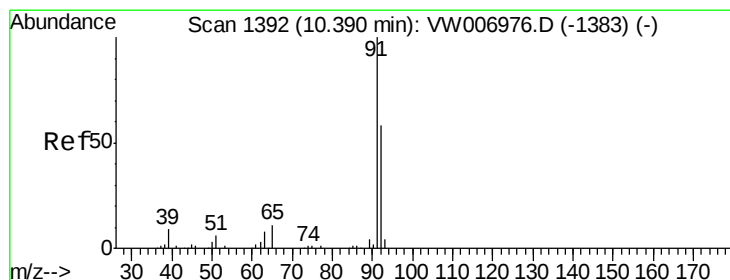
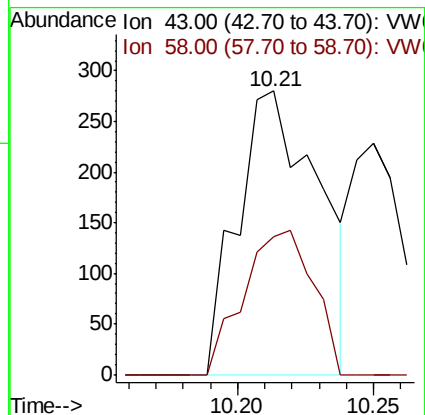
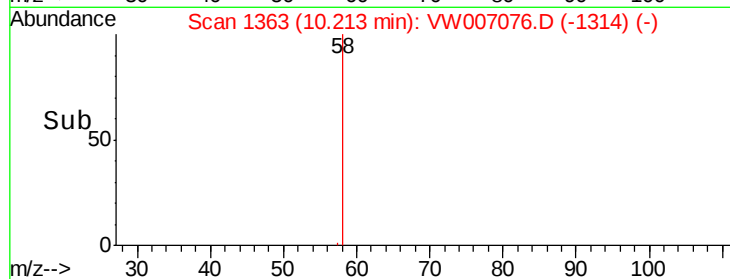
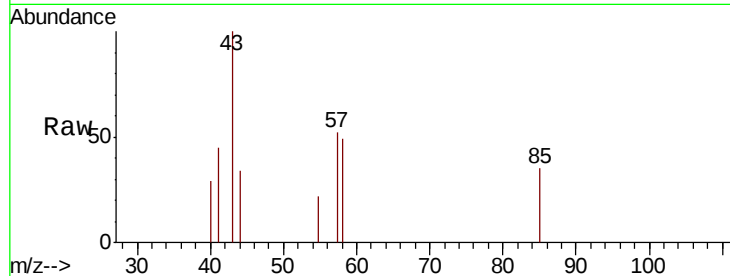
AOC1-06-A

Tot Ion: 43 Resp: 581

Ion Ratio Lower Upper

43 100

58 43.4 31.8 47.6



#52

Toluene

Concen: 1.500 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW007076.D

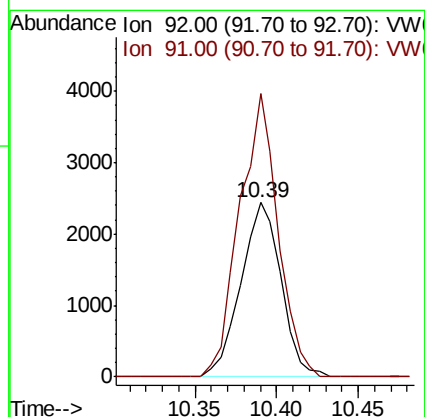
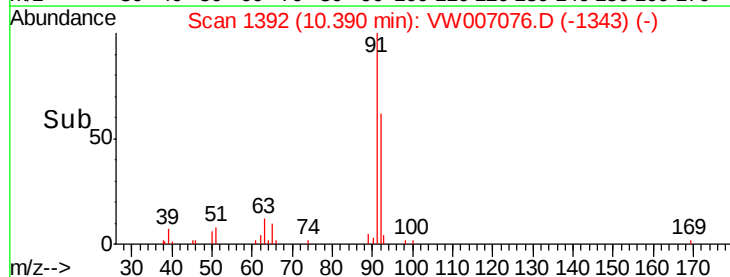
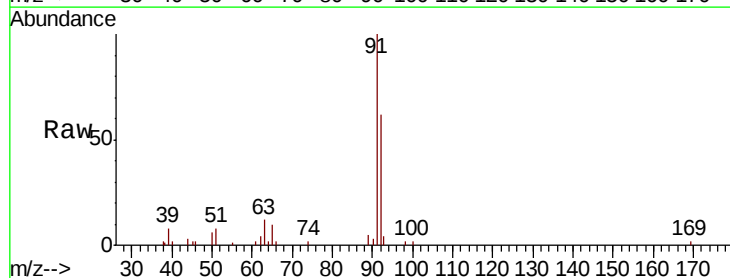
Acq: 27 Nov 2018 05:36

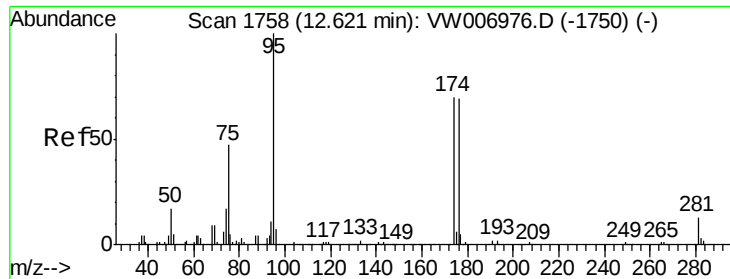
Tgt Ion: 92 Resp: 4184

Ion Ratio Lower Upper

92 100

91 155.8 137.3 205.9

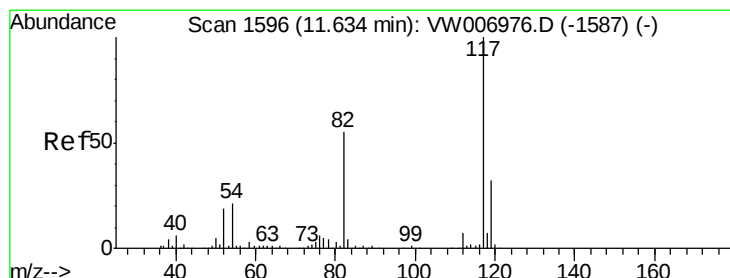
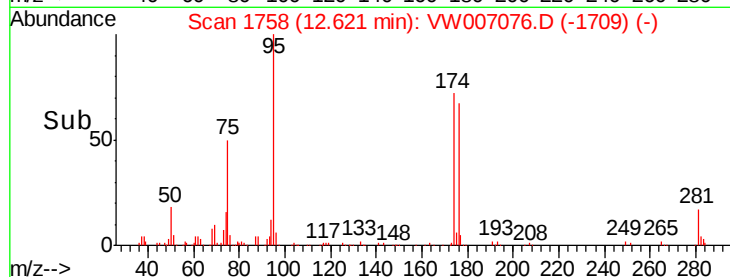
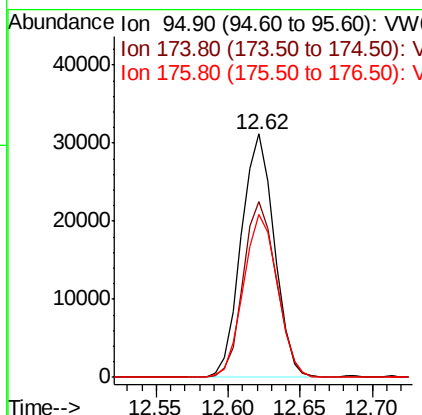
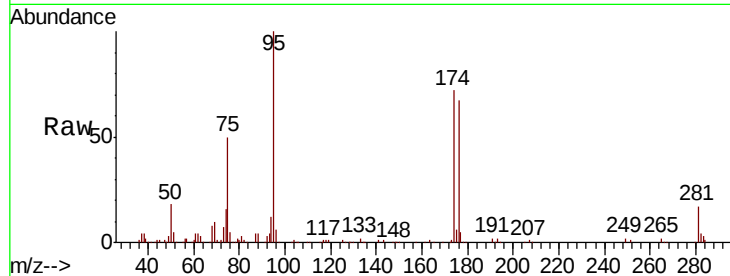




#62
4-Bromofluorobenzene
Concen: 32.574 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW007076.D
Acq: 27 Nov 2018 05:36

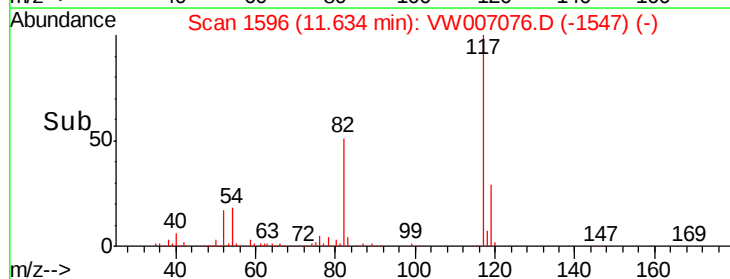
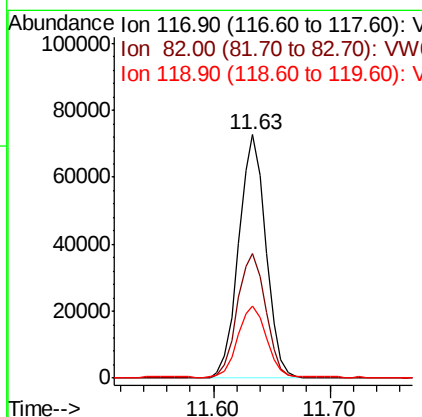
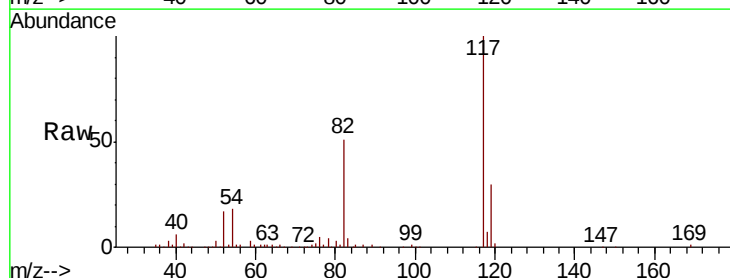
Instrument :
MSVOA_W
ClientSampled :
AOC1-06-A

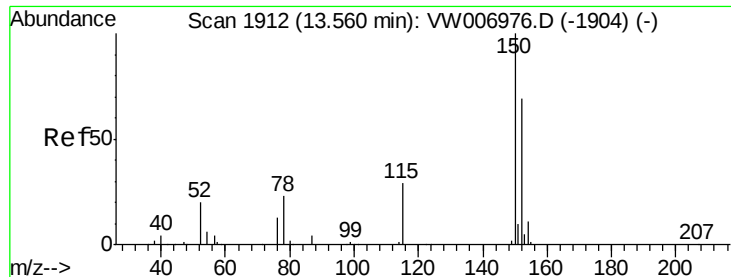
Tot Ion: 95 Resp: 49665
Ion Ratio Lower Upper
95 100
174 72.5 0.0 143.6
176 68.9 0.0 140.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007076.D
Acq: 27 Nov 2018 05:36

Tgt Ion: 117 Resp: 118703
Ion Ratio Lower Upper
117 100
82 51.0 44.2 66.2
119 29.2 25.9 38.9



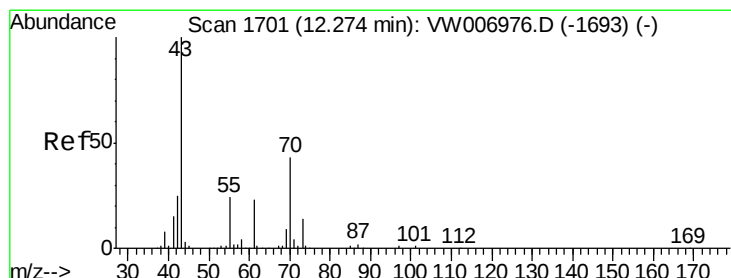
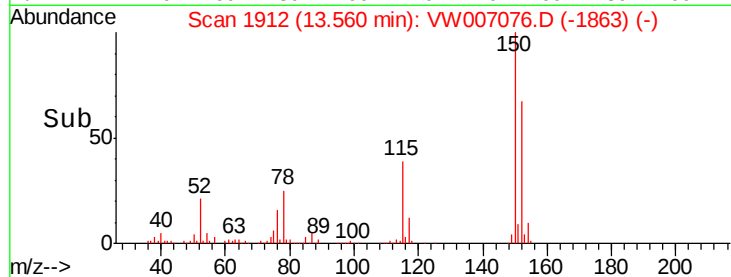
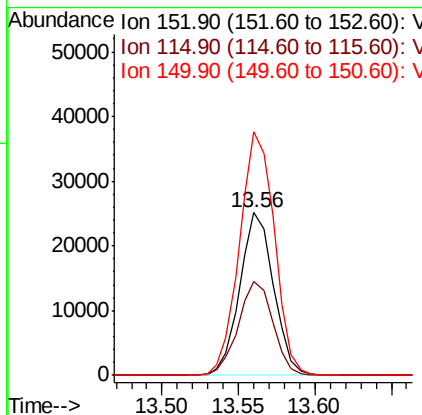
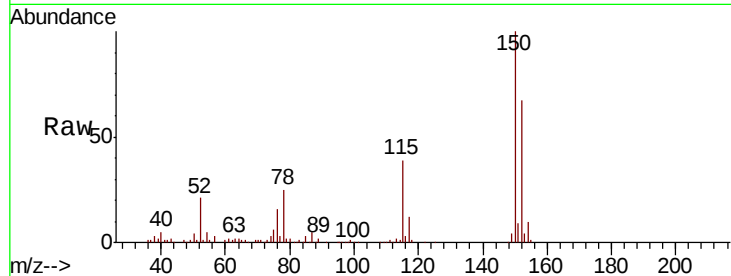


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW007076.D
Acq: 27 Nov 2018 05:36

Instrument :
MSVOA_W
ClientSampleId :
AOC1-06-A

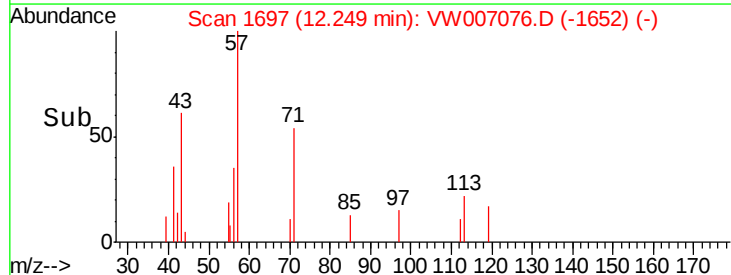
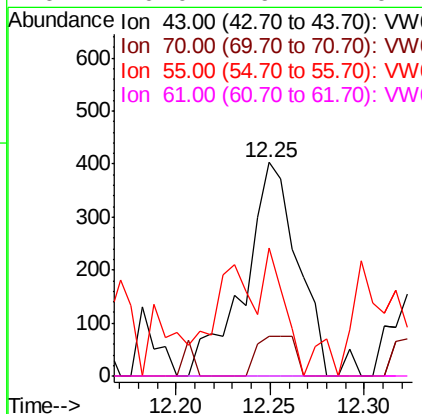
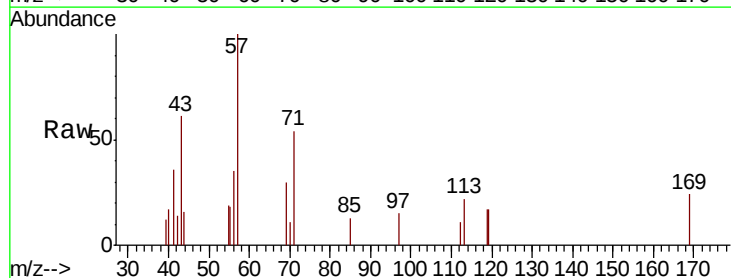
Tot Ion:152 Resp: 38557
Ion Ratio Lower Upper
152 100
115 59.6 31.4 94.2
150 154.7 0.0 353.4

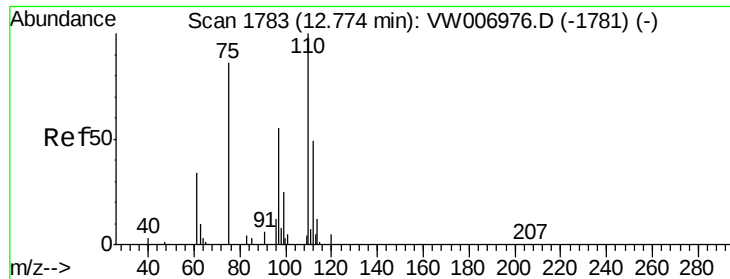


#74

N-ethyl acetate
Concen: 1.565 ug/l
RT: 12.25 min Scan# 1697
Delta R.T. -0.02 min
Lab File: VW007076.D
Acq: 27 Nov 2018 05:36

Tgt Ion: 43 Resp: 786
Ion Ratio Lower Upper
43 100
70 13.2 34.0 51.0#
55 23.2 19.4 29.0
61 0.0 19.4 29.2#

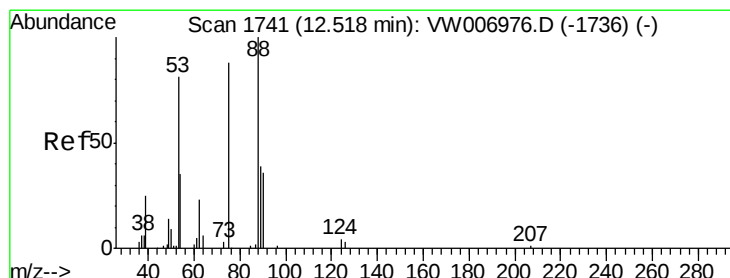
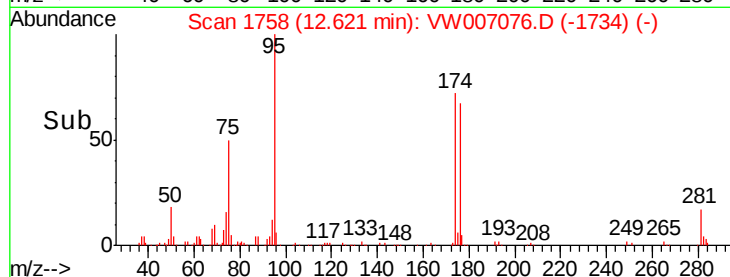
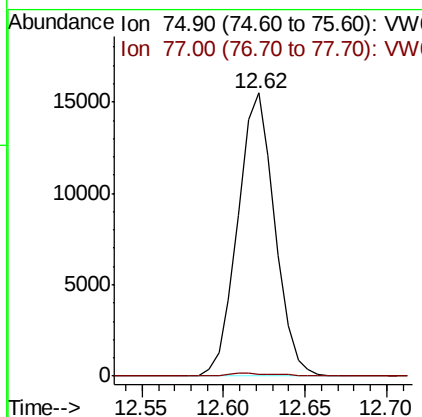
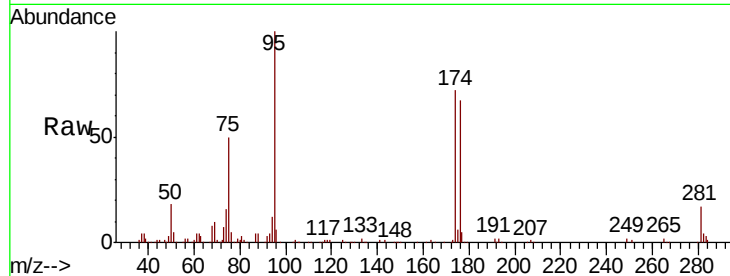




#76
 1,2,3-Trichloropropane
 Concen: 80.824 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.15 min
 Lab File: VW007076.D
 Acq: 27 Nov 2018 05:36

Instrument :
 MSVOA_W
 ClientSampleId :
 AOC1-06-A

Tot Ion: 75 Resp: 24488
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 202.917 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.10 min
 Lab File: VW007076.D
 Acq: 27 Nov 2018 05:36

Tgt Ion: 75 Resp: 24488
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.6 116.4#
 89 0.0 39.3 58.9#

