

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW112218\
 Data File : VW007023.D
 Acq On : 22 Nov 2018 03:18
 Operator : VAY/AP
 Sample : J5772-07RE
 Misc : 5.07G/5ML/MSVOA W/SOIL
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Nov 22 04:42:55 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	25641	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	41130	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	26654	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	9008	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	11791	46.97	ug/l	0.00
Spiked Amount			Recovery	=	93.94%	
35) Dibromofluoromethane	7.88	113	10718	46.14	ug/l	0.00
Spiked Amount			Recovery	=	92.28%	
50) Toluene-d8	10.33	98	23815	23.22	ug/l	0.00
Spiked Amount			Recovery	=	46.44%	
62) 4-Bromofluorobenzene	12.62	95	10624	26.32	ug/l	0.00
Spiked Amount			Recovery	=	52.64%	

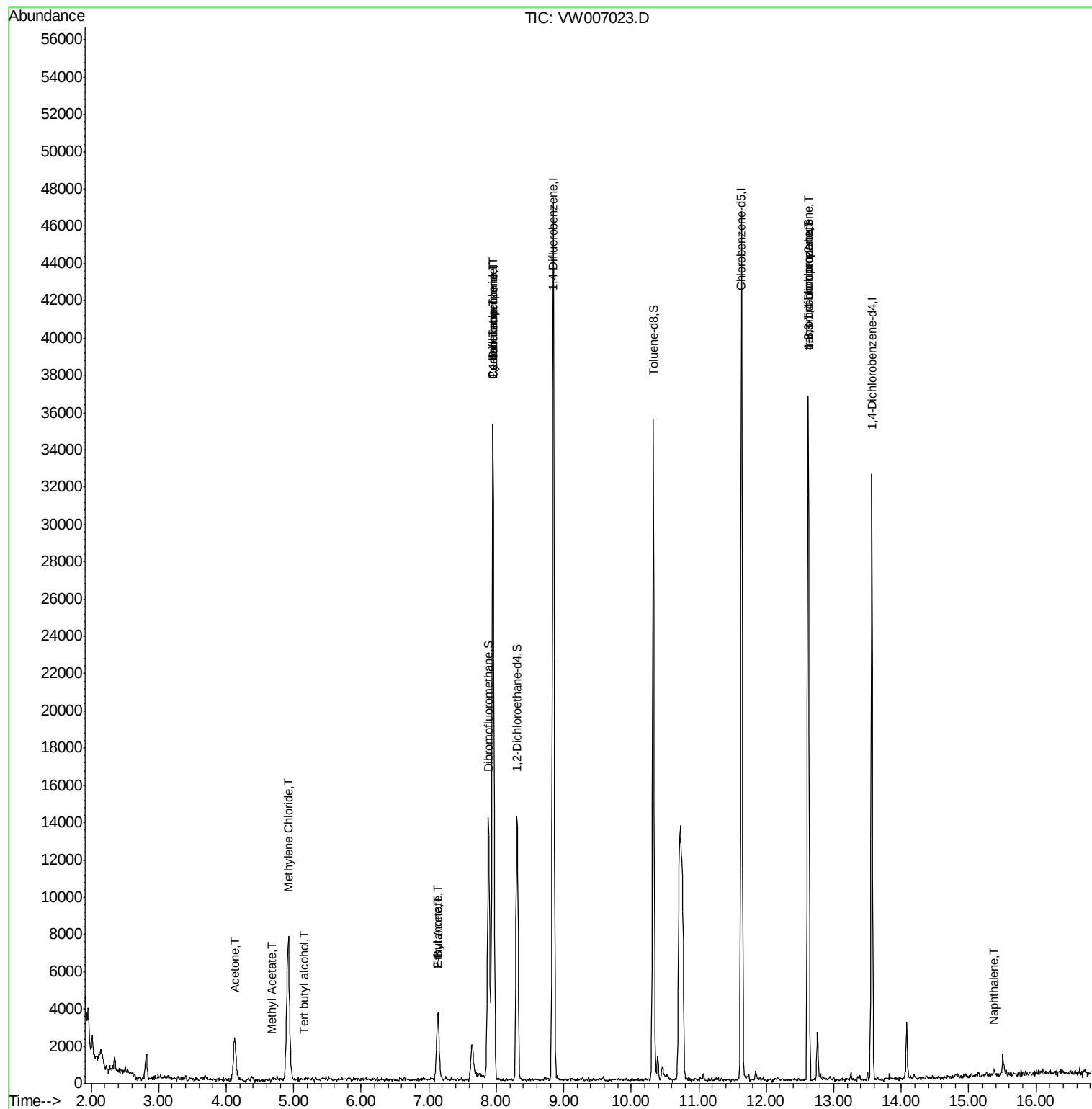
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.16	59	21	1.285	ug/l #	71
16) Acetone	4.13	43	4293	117.788	ug/l	97
18) Methyl Acetate	4.68	43	148	1.140	ug/l #	50
20) Methylene Chloride	4.92	84	5872	16.611	ug/l	93
25) 2-Butanone	7.13	43	175	2.803	ug/l #	48
31) Cyclohexane	7.95	56	613	1.268	ug/l #	55
36) 1,1-Dichloropropene	7.95	75	2000	4.976	ug/l #	46
37) Ethyl Acetate	7.13	43	175	1.202	ug/l #	34
38) Carbon Tetrachloride	7.95	117	2725	7.080	ug/l #	13
76) 1,2,3-Trichloropropane	12.62	75	5505	77.772	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	5505	195.253	ug/l #	10
95) Naphthalene	15.37	128	409	1.270	ug/l #	69

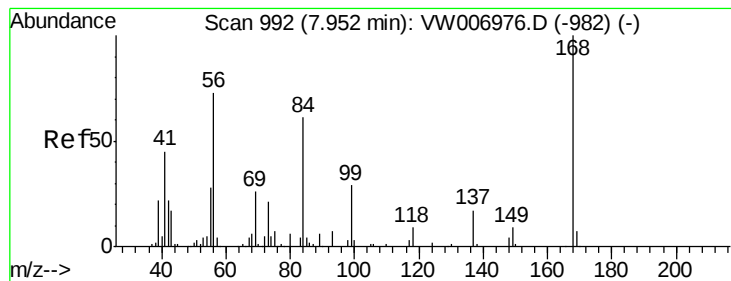
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW007023.D

Acq: 22 Nov 2018 03:18

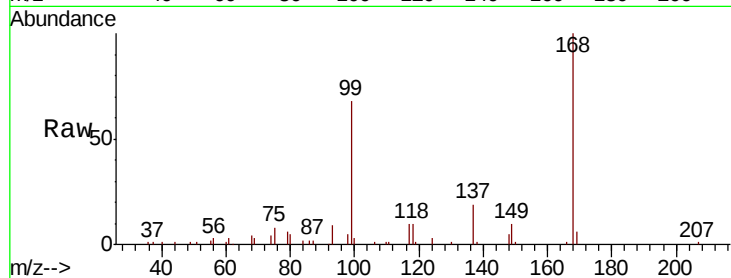
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 25641

Ion Ratio Lower Upper

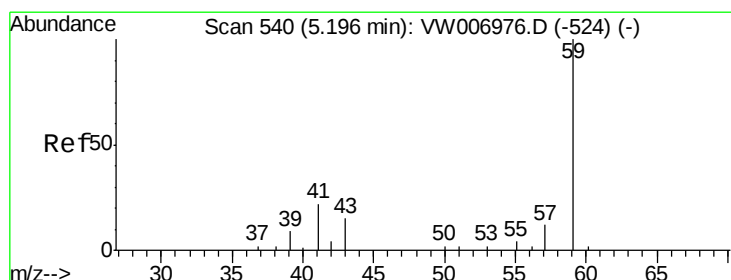
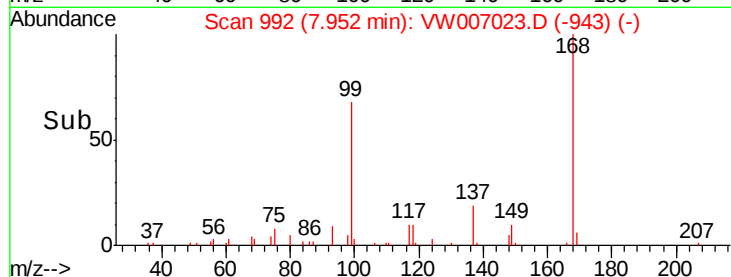
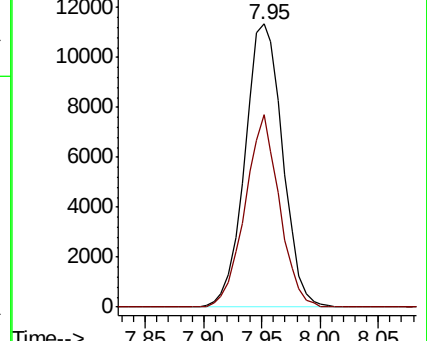
168 100

99 68.0 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: 1.285 ug/l

RT: 5.16 min Scan# 534

Delta R.T. -0.04 min

Lab File: VW007023.D

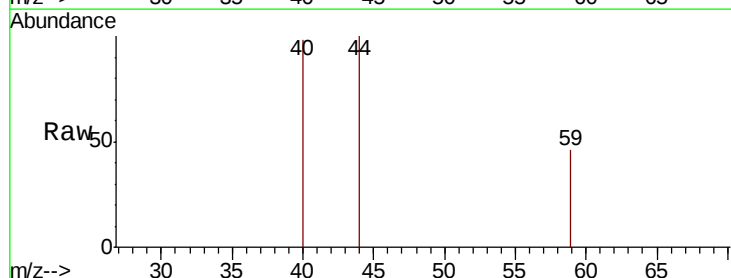
Acq: 22 Nov 2018 03:18

Tgt Ion: 59 Resp: 21

Ion Ratio Lower Upper

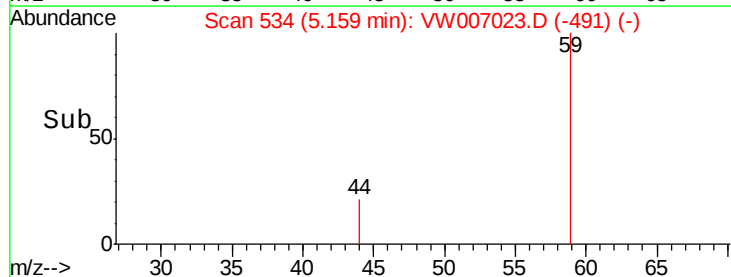
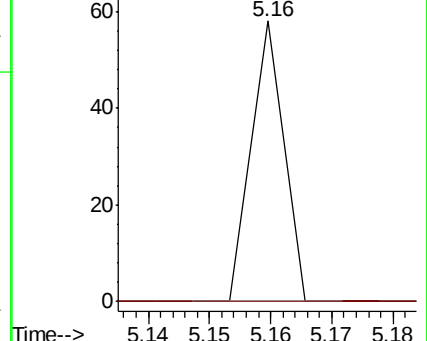
59 100

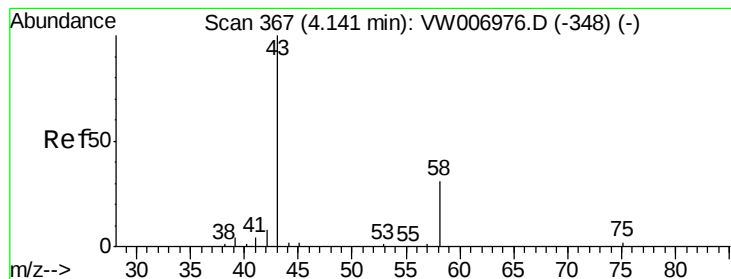
57 0.0 8.6 13.0#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 117.788 ug/l

RT: 4.13 min Scan# 365

Delta R.T. -0.01 min

Lab File: VW007023.D

Acq: 22 Nov 2018 03:18

Instrument :

MSVOA_W

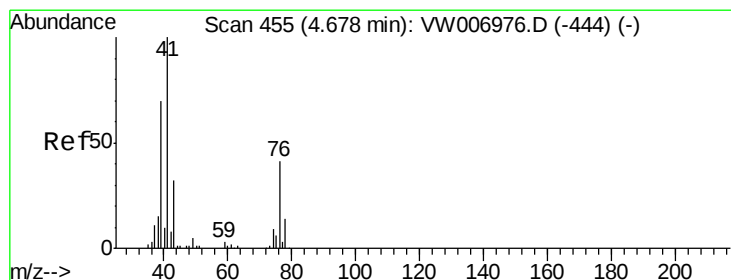
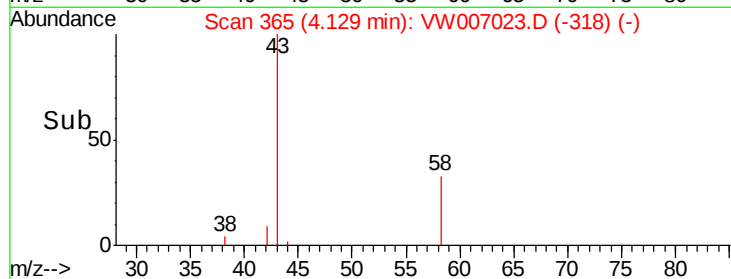
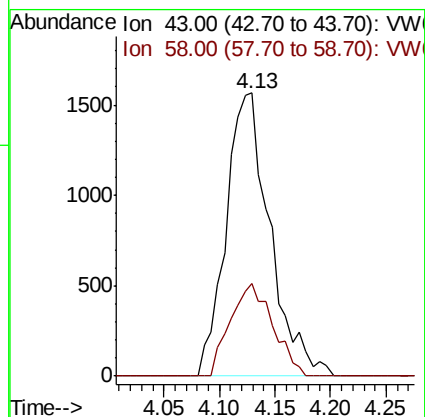
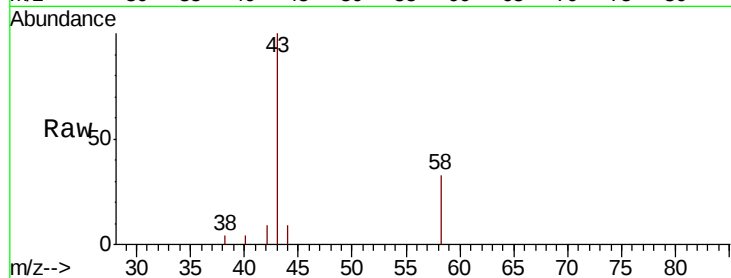
ClientSampleId :

Tot Ion: 43 Resp: 4293

Ion Ratio Lower Upper

43 100

58 32.6 24.8 37.2



#18

Methyl Acetate

Concen: 1.140 ug/l

RT: 4.68 min Scan# 455

Delta R.T. 0.00 min

Lab File: VW007023.D

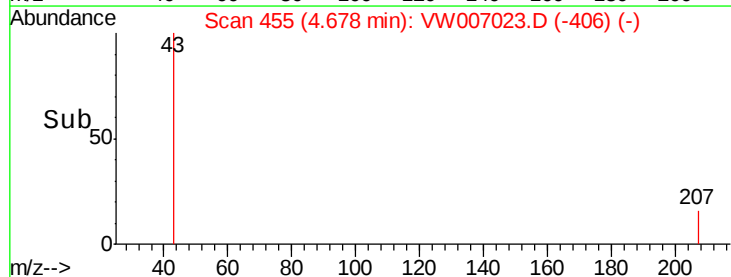
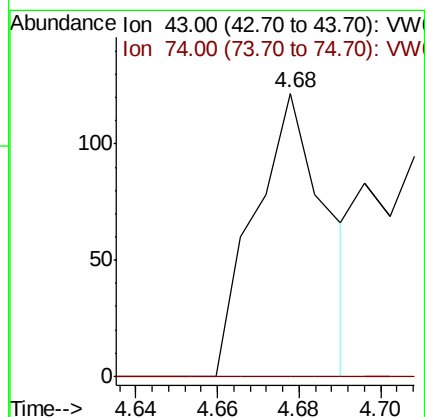
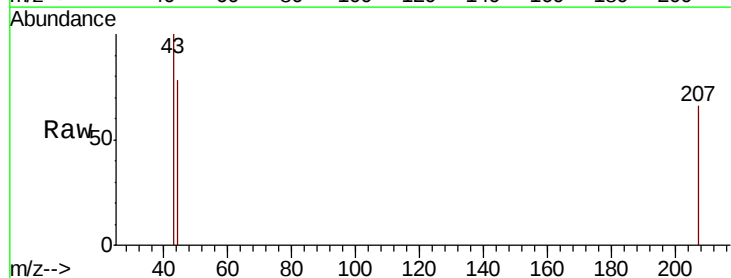
Acq: 22 Nov 2018 03:18

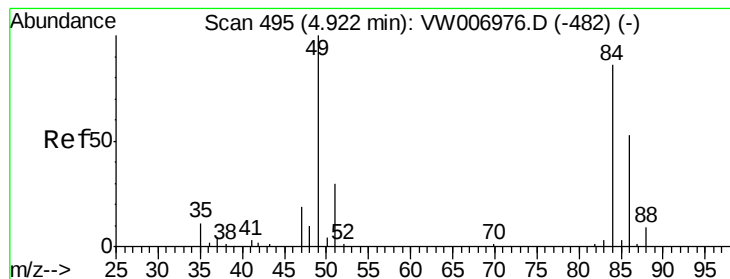
Tgt Ion: 43 Resp: 148

Ion Ratio Lower Upper

43 100

74 0.0 20.1 30.1#





#20

Methvlene Chloride

Concen: 16.611 ug/l

RT: 4.92 min Scan# 495

Delta R.T. 0.00 min

Lab File: VW007023.D

Acq: 22 Nov 2018 03:18

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 84 Resp: 5872

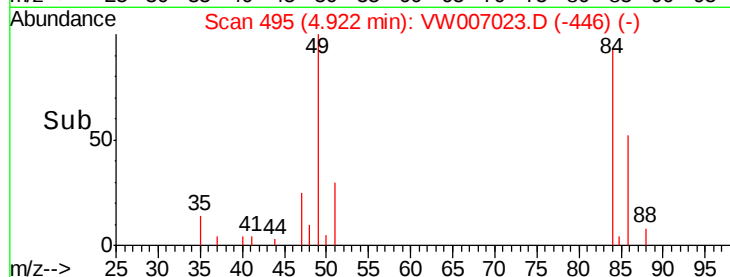
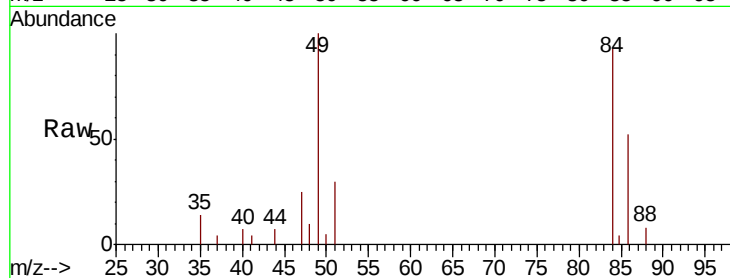
Ion Ratio Lower Upper

84 100

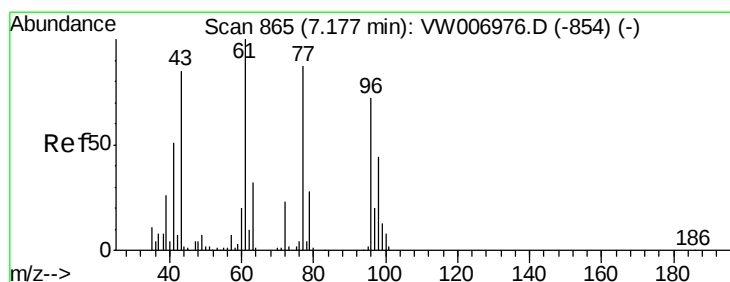
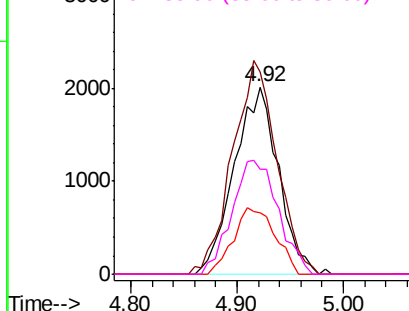
49 108.0 93.4 140.0

51 32.7 28.4 42.6

86 56.1 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: 2.803 ug/l

RT: 7.13 min Scan# 857

Delta R.T. -0.05 min

Lab File: VW007023.D

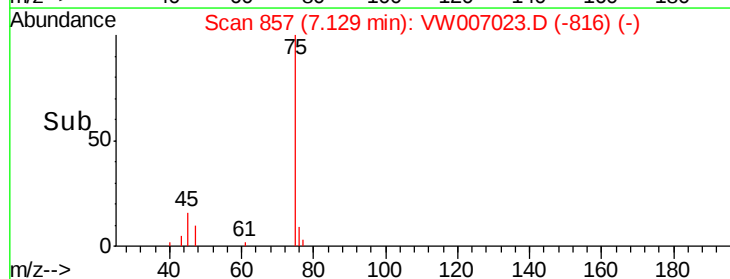
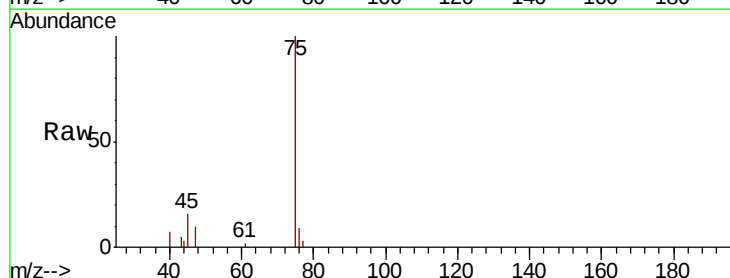
Acq: 22 Nov 2018 03:18

Tgt Ion: 43 Resp: 175

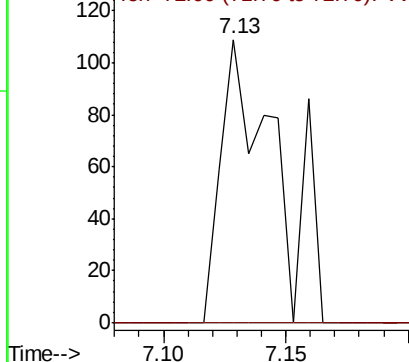
Ion Ratio Lower Upper

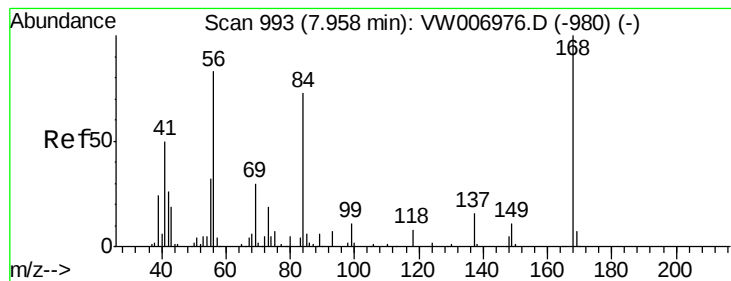
43 100

72 0.0 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: 1.268 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

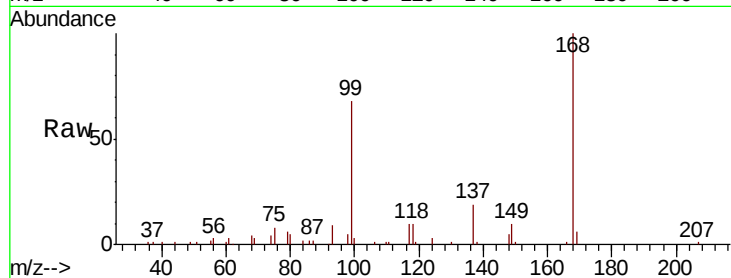
Lab File: VW007023.D

Acq: 22 Nov 2018 03:18

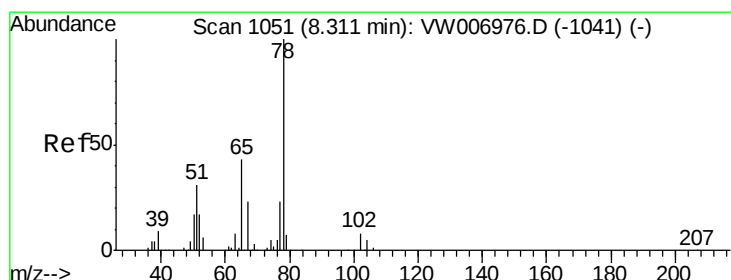
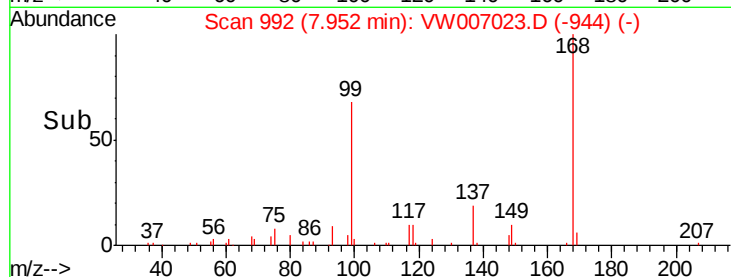
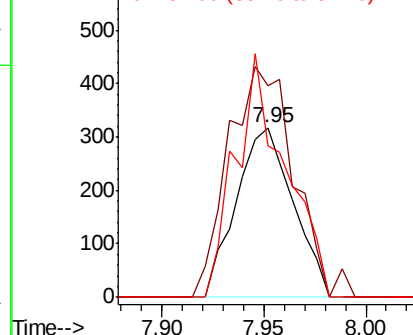
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 613

Ion	Ratio	Lower	Upper
56	100		
69	125.2	29.1	43.7#
84	89.3	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: 46.970 ug/l

RT: 8.31 min Scan# 1050

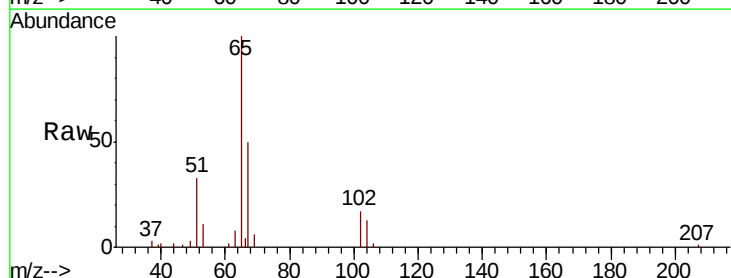
Delta R.T. -0.01 min

Lab File: VW007023.D

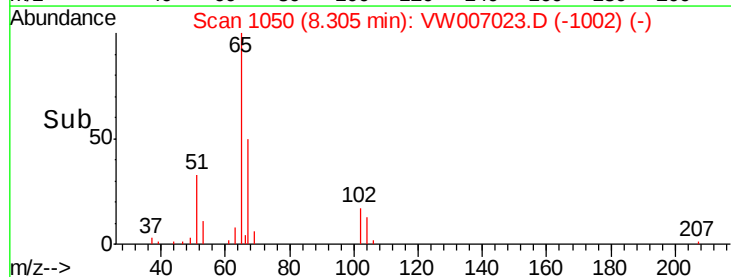
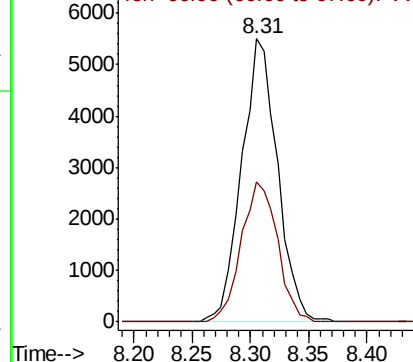
Acq: 22 Nov 2018 03:18

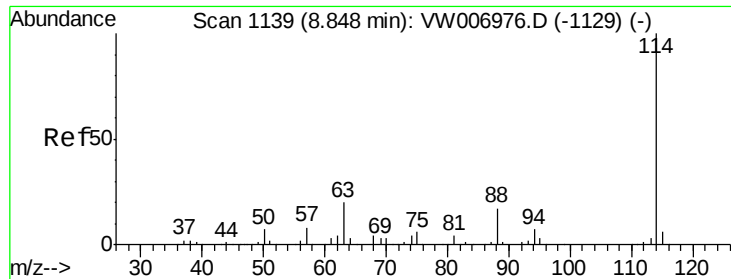
Tgt Ion: 65 Resp: 11791

Ion	Ratio	Lower	Upper
65	100		
67	50.0	0.0	106.2



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

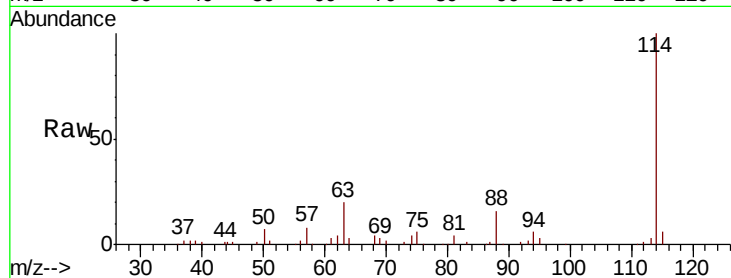




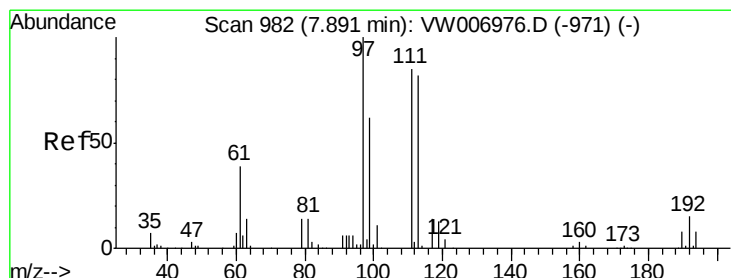
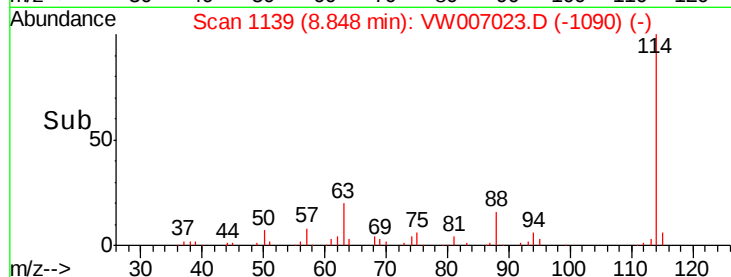
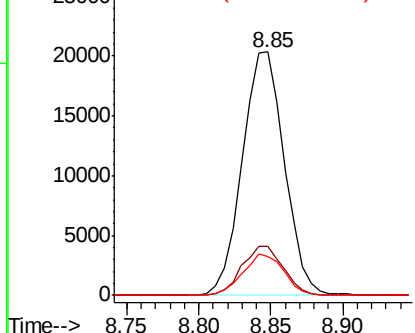
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.85 min Scan# 1139
Delta R.T. 0.00 min
Lab File: VW007023.D
Acq: 22 Nov 2018 03:18

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:114 Resp: 41130
Ion Ratio Lower Upper
114 100
63 20.4 0.0 39.4
88 15.7 0.0 34.2

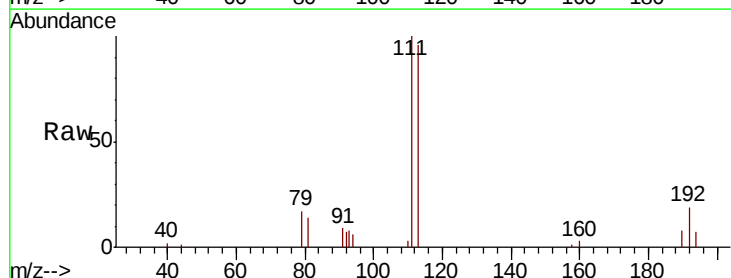


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VW
Ion 87.90 (87.60 to 88.60): VW

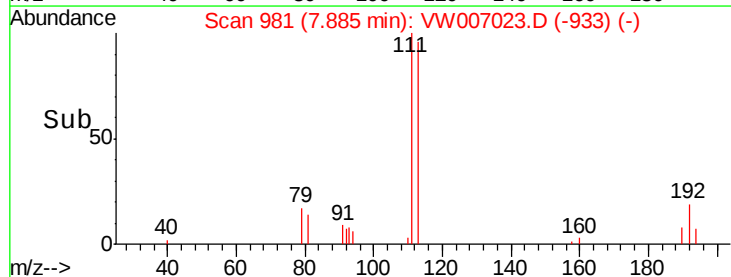
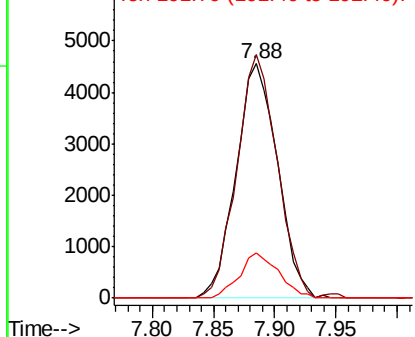


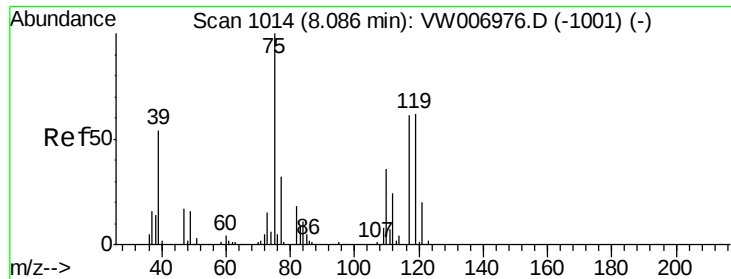
#35
Dibromofluoromethane
Concen: 46.144 ug/l
RT: 7.88 min Scan# 981
Delta R.T. -0.01 min
Lab File: VW007023.D
Acq: 22 Nov 2018 03:18

Tgt Ion:113 Resp: 10718
Ion Ratio Lower Upper
113 100
111 100.6 81.0 121.6
192 18.2 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

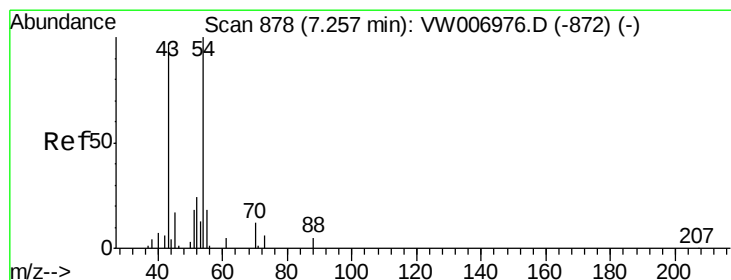
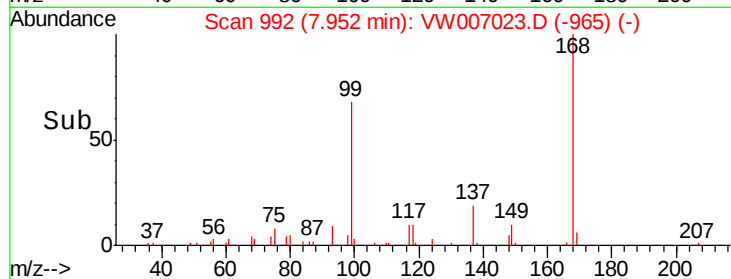
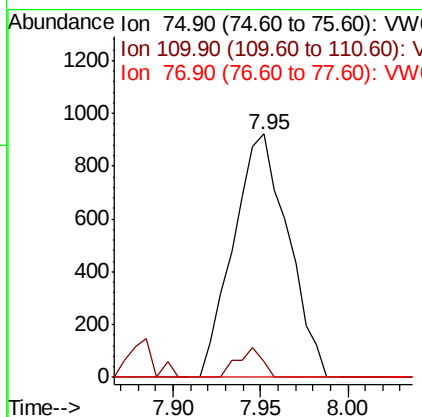
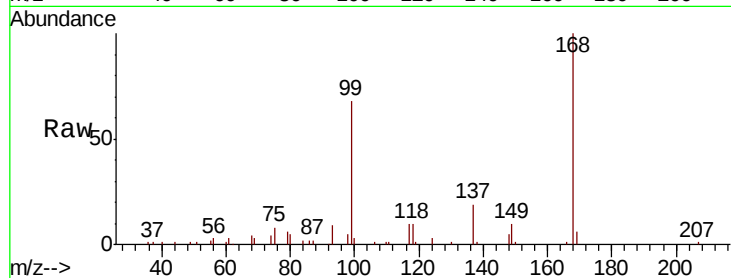




#36
 1,1-Dichloropropene
 Concen: 4.976 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW007023.D
 Acq: 22 Nov 2018 03:18

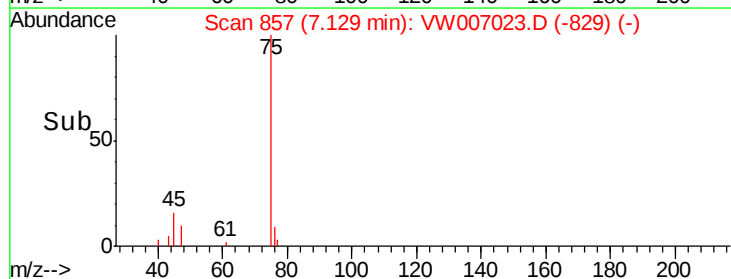
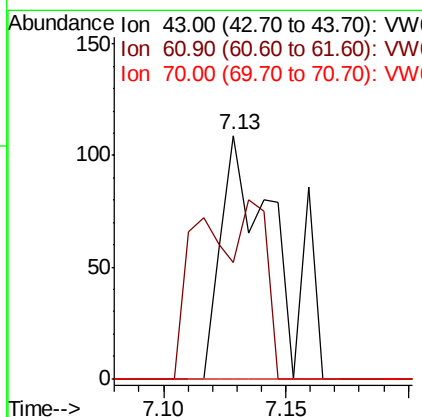
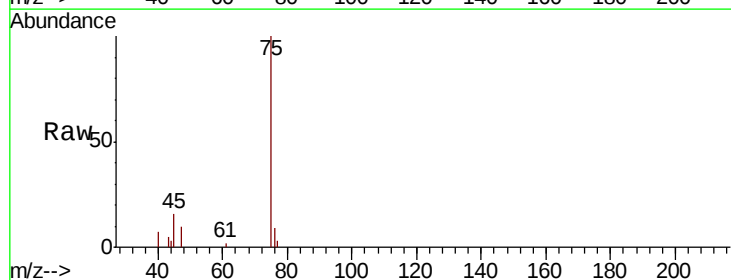
Instrument :
 MSVOA_W
 ClientSampled :

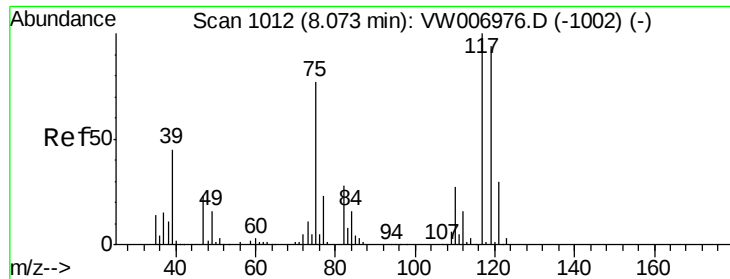
Tot Ion: 75 Resp: 2000
 Ion Ratio Lower Upper
 75 100
 110 5.5 18.0 54.0#
 77 0.0 24.9 37.3#



#37
 Ethyl Acetate
 Concen: 1.202 ug/l
 RT: 7.13 min Scan# 857
 Delta R.T. -0.13 min
 Lab File: VW007023.D
 Acq: 22 Nov 2018 03:18

Tgt Ion: 43 Resp: 175
 Ion Ratio Lower Upper
 43 100
 61 52.0 10.4 15.6#
 70 0.0 8.8 13.2#

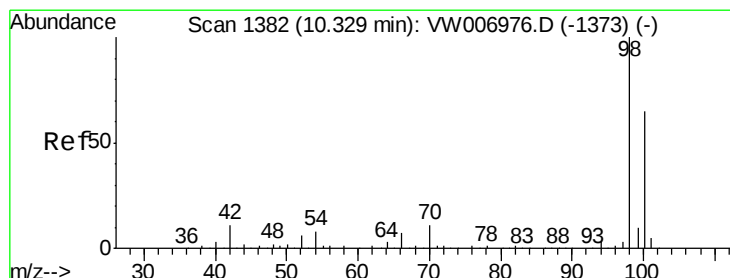
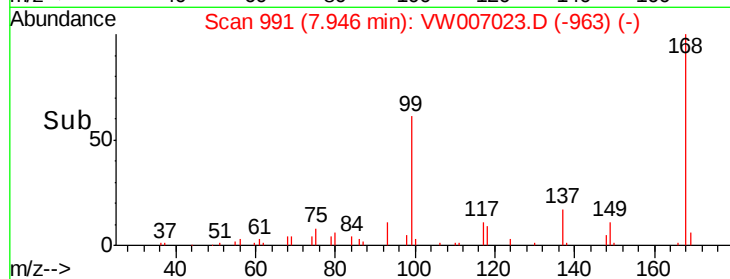
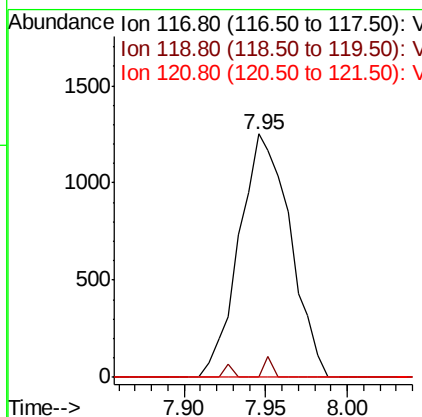
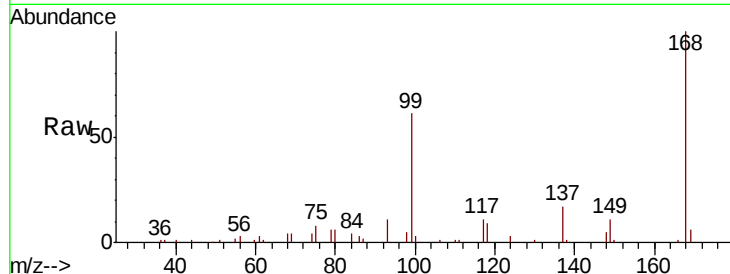




#38
Carbon Tetrachloride
Concen: 7.080 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.13 min
Lab File: VW007023.D
Acq: 22 Nov 2018 03:18

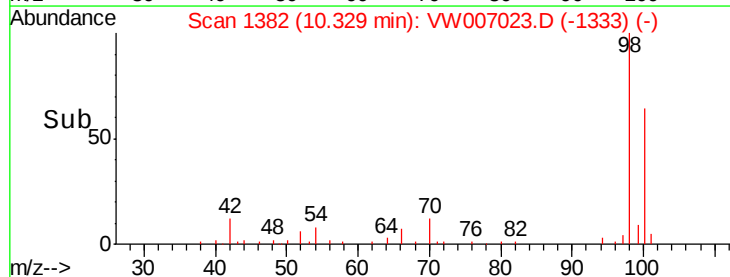
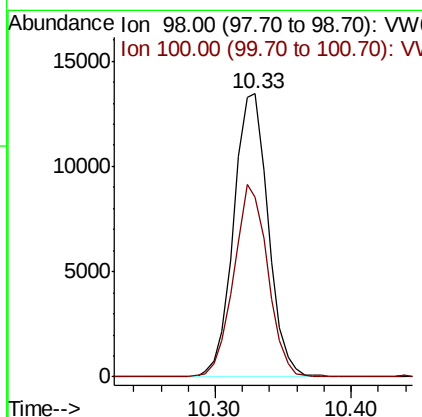
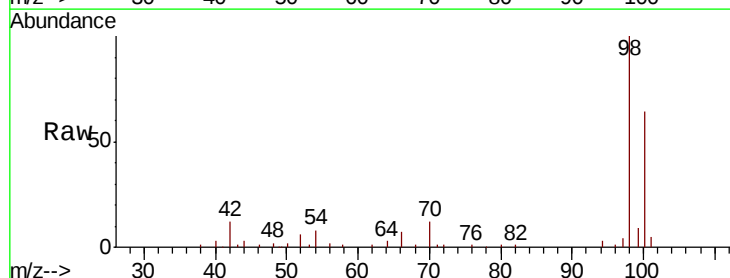
Instrument :
MSVOA_W
ClientSampleId :

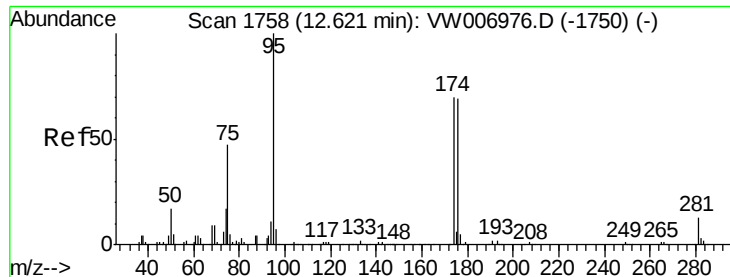
Tot Ion:117 Resp: 2725
Ion Ratio Lower Upper
117 100
119 0.0 74.9 112.3#
121 0.0 23.6 35.4#



#50
Toluene-d8
Concen: 23.219 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VW007023.D
Acq: 22 Nov 2018 03:18

Tgt Ion: 98 Resp: 23815
Ion Ratio Lower Upper
98 100
100 66.6 52.2 78.2

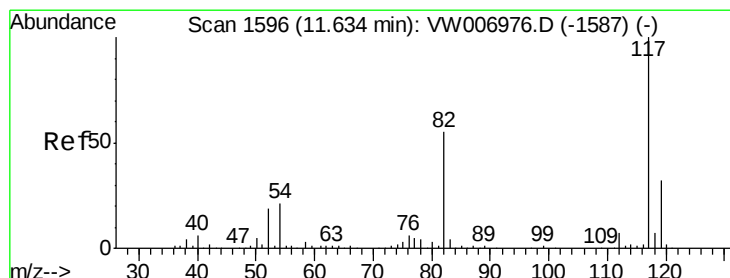
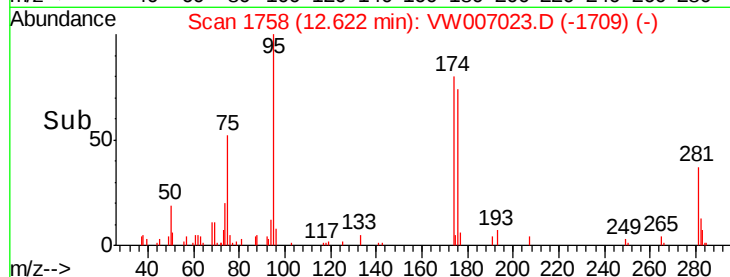
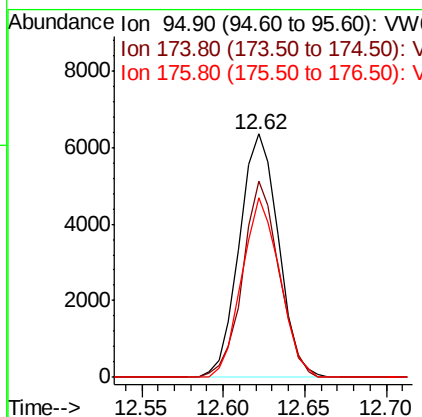
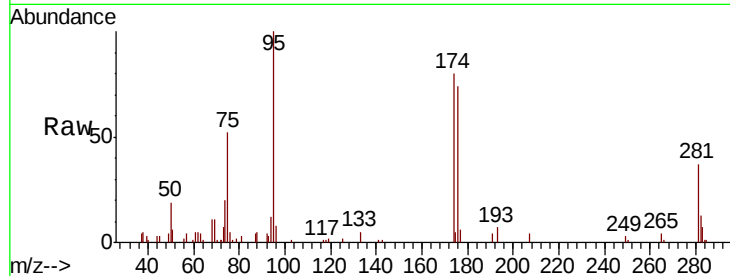




#62
4-Bromofluorobenzene
Concen: 26.322 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW007023.D
Acq: 22 Nov 2018 03:18

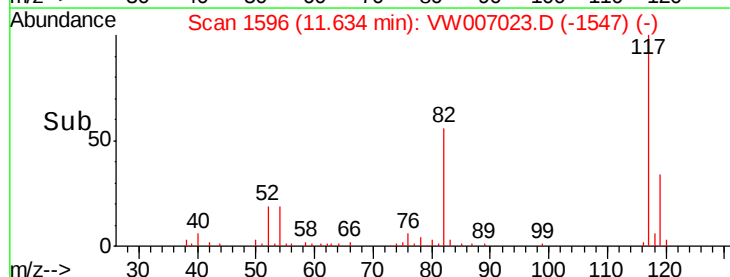
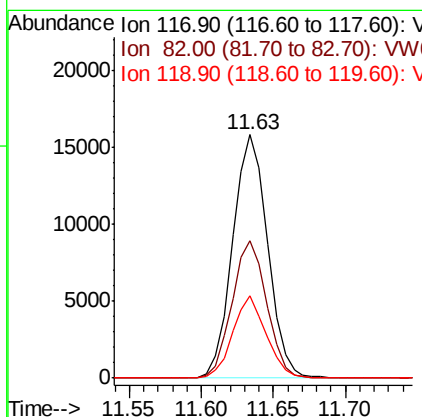
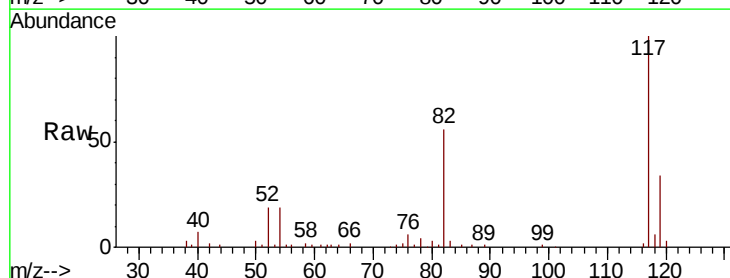
Instrument :
MSVOA_W
ClientSampleId :

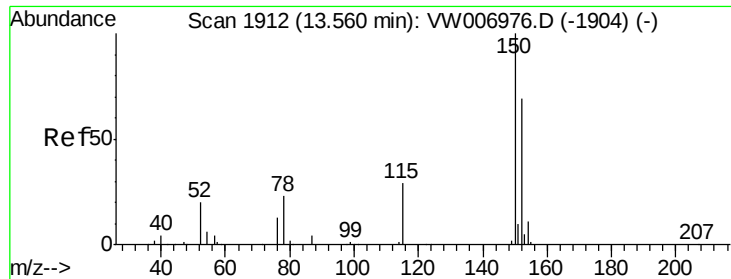
Tot Ion: 95 Resp: 10624
Ion Ratio Lower Upper
95 100
174 74.7 0.0 143.6
176 71.3 0.0 140.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW007023.D
Acq: 22 Nov 2018 03:18

Tgt Ion: 117 Resp: 26654
Ion Ratio Lower Upper
117 100
82 56.4 44.2 66.2
119 33.8 25.9 38.9



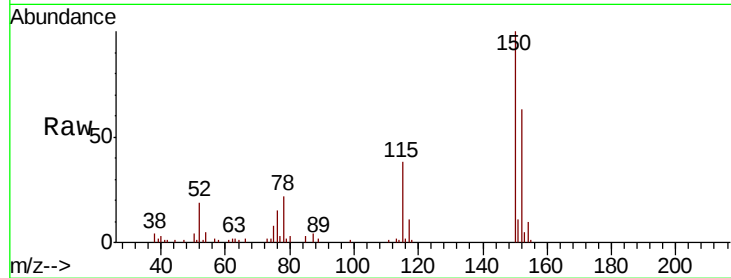


#72

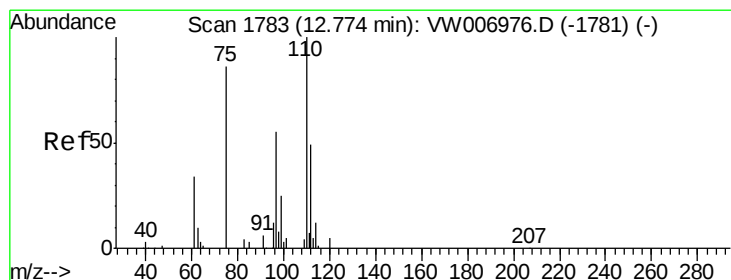
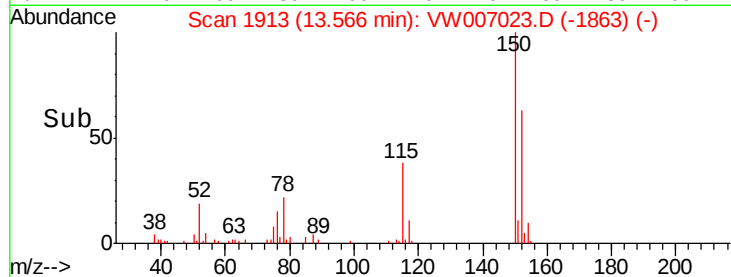
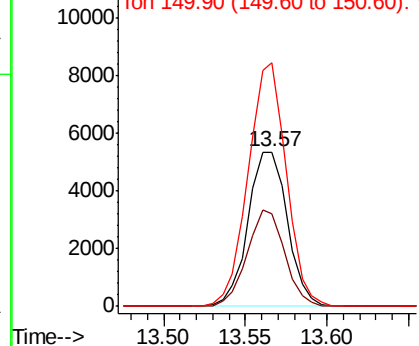
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. 0.01 min
Lab File: VW007023.D
Acq: 22 Nov 2018 03:18

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:152 Resp: 9008
Ion Ratio Lower Upper
152 100
115 59.8 31.4 94.2
150 152.9 0.0 353.4



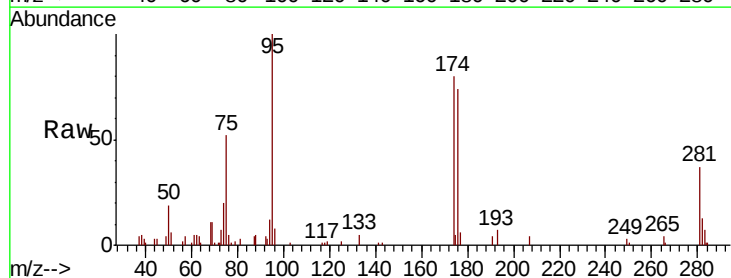
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



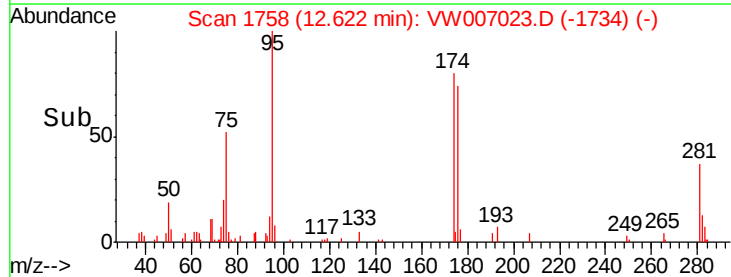
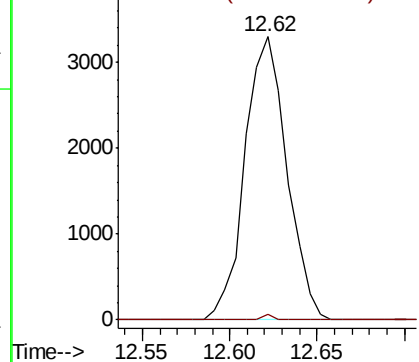
#76

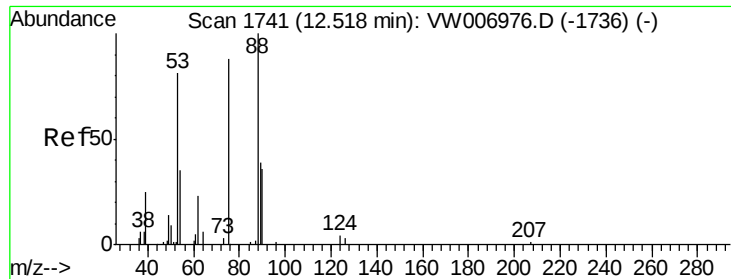
1,2,3-Trichloropropane
Concen: 77.772 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.15 min
Lab File: VW007023.D
Acq: 22 Nov 2018 03:18

Tgt Ion: 75 Resp: 5505
Ion Ratio Lower Upper
75 100
77 0.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 77.00 (76.70 to 77.70): VW

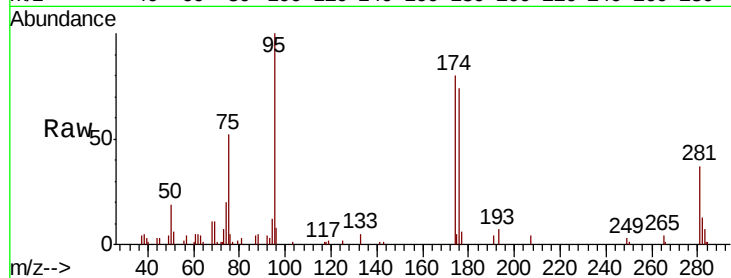




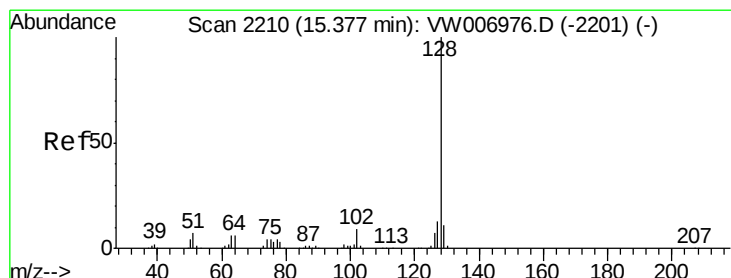
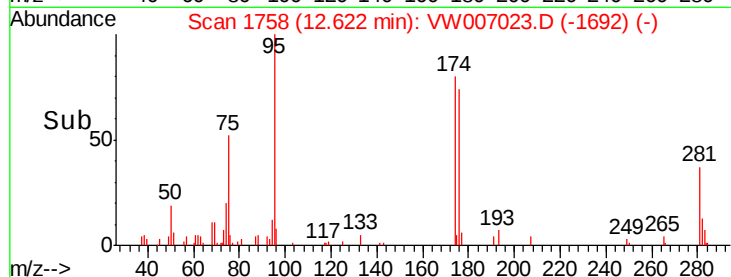
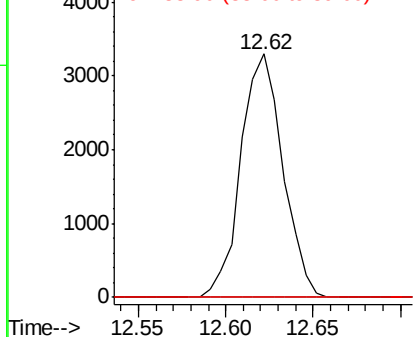
#81
trans-1,4-Dichloro-2-butene
Concen: 195.253 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.10 min
Lab File: VW007023.D
Acq: 22 Nov 2018 03:18

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 75 Resp: 5505
Ion Ratio Lower Upper
75 100
53 0.0 77.6 116.4#
89 0.0 39.3 58.9#

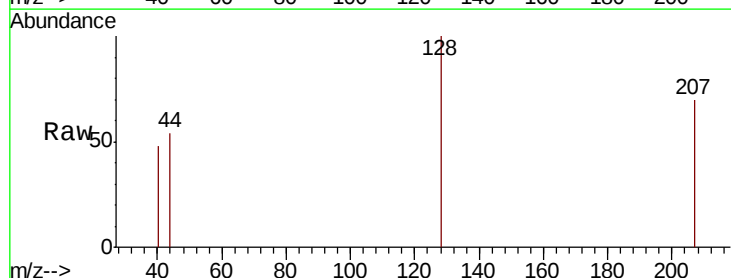


Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 53.00 (52.70 to 53.70): VW
Ion 88.90 (88.60 to 89.60): VW



#95
Naphthalene
Concen: 1.270 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.01 min
Lab File: VW007023.D
Acq: 22 Nov 2018 03:18

Tgt Ion: 128 Resp: 409
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

