

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW112718\
 Data File : VW007102.D
 Acq On : 27 Nov 2018 21:25
 Operator : VAY/AP
 Sample : J6082-01
 Misc : 7.24G/5ML/MSVOA W/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 S49-0490

Quant Time: Nov 28 00:36:32 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

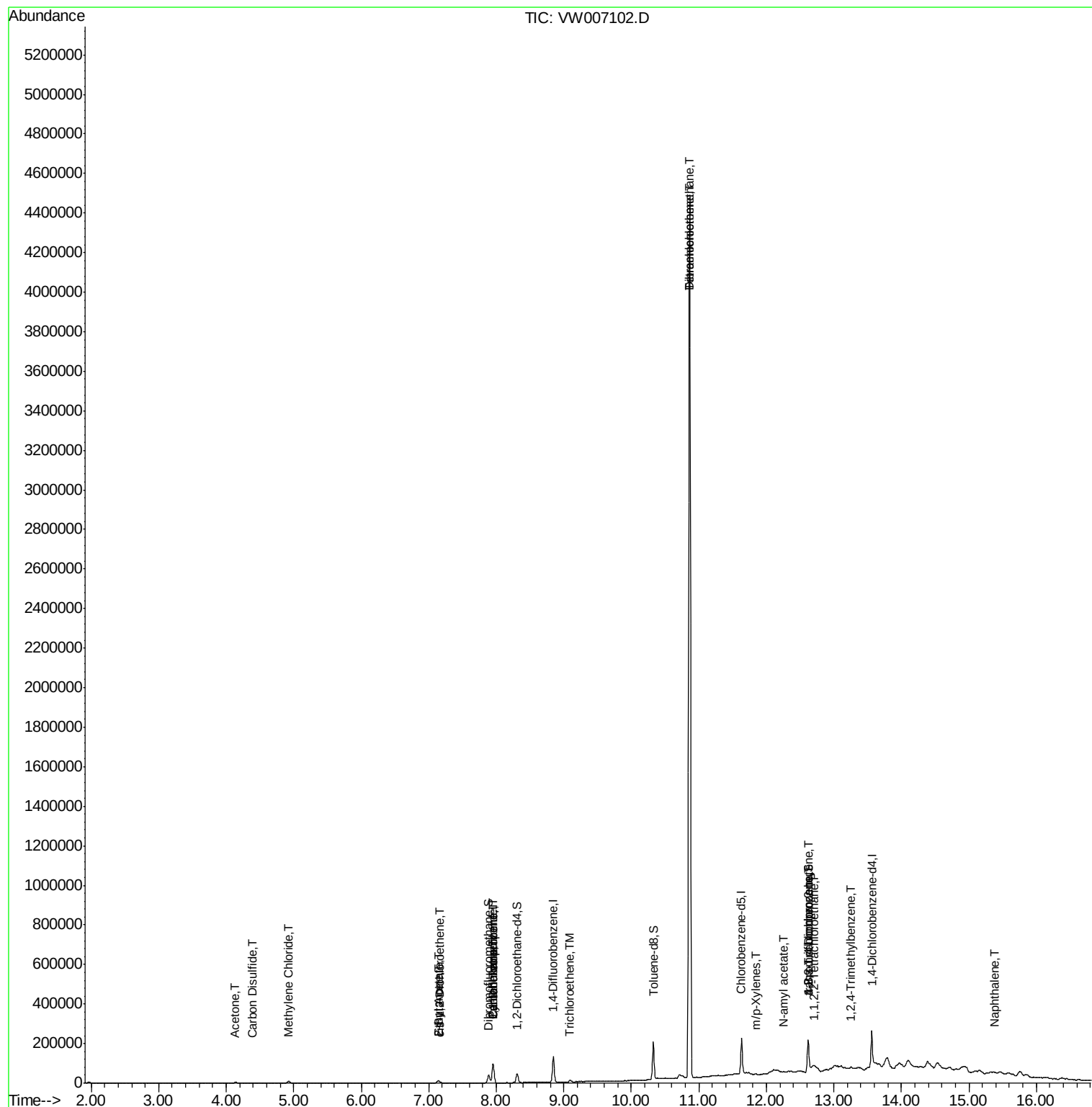
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	71867	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	112504	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	104591	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	48206	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	35660	50.68	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.36%	
35) Dibromofluoromethane	7.89	113	31484	49.55	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.10%	
50) Toluene-d8	10.33	98	135050	48.14	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.28%	
62) 4-Bromofluorobenzene	12.62	95	52333	47.40	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.80%	
Target Compounds						
					Qvalue	
16) Acetone	4.14	43	8705	85.215	ug/l	100
17) Carbon Disulfide	4.38	76	3700	1.759	ug/l	100
20) Methylene Chloride	4.92	84	6524	2.930	ug/l	97
25) 2-Butanone	7.16	43	828	4.732	ug/l #	48
27) cis-1,2-Dichloroethene	7.17	96	856	1.061	ug/l	74
31) Cyclohexane	7.96	56	1754	1.294	ug/l #	8
36) 1,1-Dichloropropene	7.95	75	5389	4.902	ug/l #	51
37) Ethyl Acetate	7.16	43	828	2.078	ug/l #	1
38) Carbon Tetrachloride	7.95	117	7294	6.928	ug/l #	17
44) Trichloroethene	9.09	130	2866	3.445	ug/l	96
60) Dibromochloromethane	10.87	129	969524	1578.606	ug/l #	11
64) Tetrachloroethene	10.87	164	994329	1477.771	ug/l	98
68) m/p-Xylenes	11.84	106	1837	1.168	ug/l	94
74) N-amyl acetate	12.25	43	1300	2.070	ug/l #	11
75) 1,1,2,2-Tetrachloroethane	12.70	83	14150	28.380	ug/l #	30
76) 1,2,3-Trichloropropane	12.62	75	24404	64.425	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	24404	161.744	ug/l #	10
84) 1,2,4-Trimethylbenzene	13.26	105	4454	1.380	ug/l	98
95) Naphthalene	15.38	128	2967	1.722	ug/l #	69

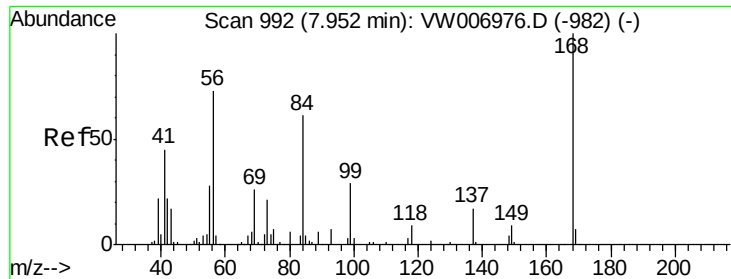
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW007102.D

Acq: 27 Nov 2018 21:25

Instrument :

MSVOA_W

ClientSampleId :

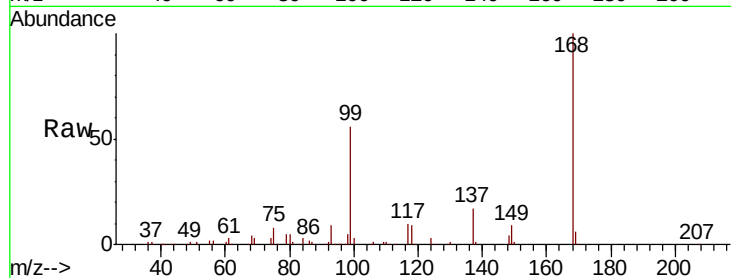
S49-0490

Tot Ion:168 Resp: 71867

Ion Ratio Lower Upper

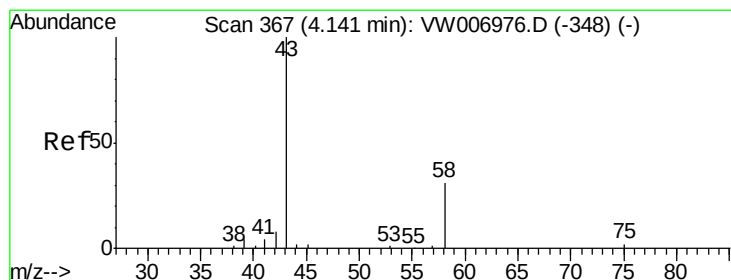
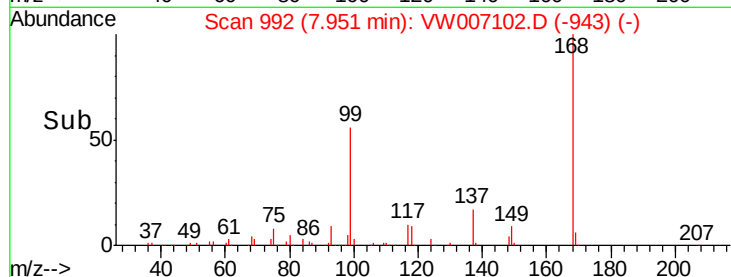
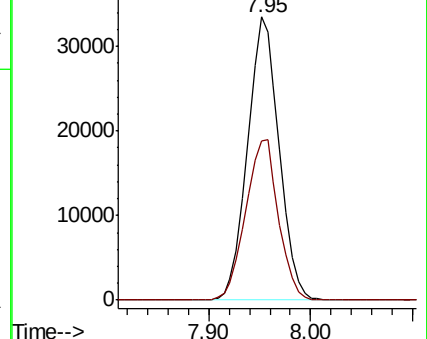
168 100

99 56.2 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#16

Acetone

Concen: 85.215 ug/l

RT: 4.14 min Scan# 366

Delta R.T. -0.01 min

Lab File: VW007102.D

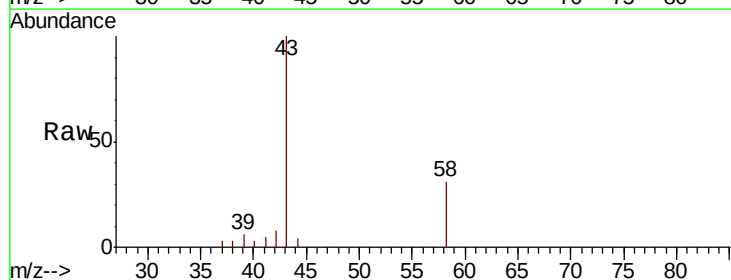
Acq: 27 Nov 2018 21:25

Tgt Ion: 43 Resp: 8705

Ion Ratio Lower Upper

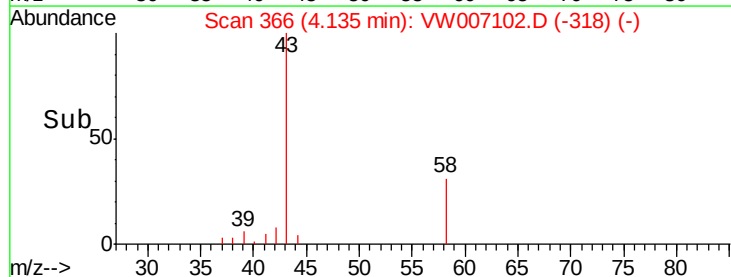
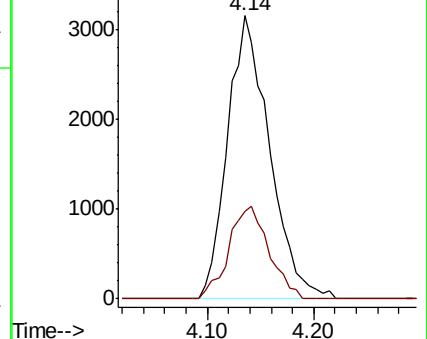
43 100

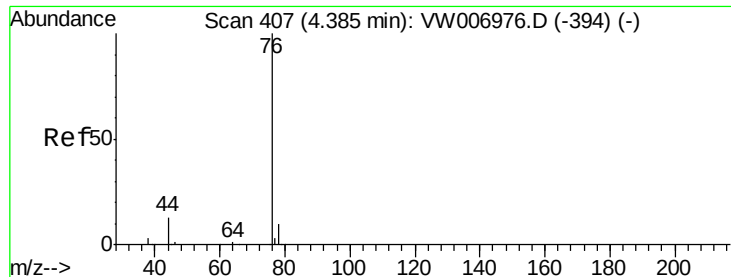
58 30.8 24.8 37.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#17

Carbon Disulfide

Concen: 1.759 ug/l

RT: 4.38 min Scan# 407

Delta R.T. -0.00 min

Lab File: VW007102.D

Acq: 27 Nov 2018 21:25

Instrument :

MSVOA_W

ClientSampleId :

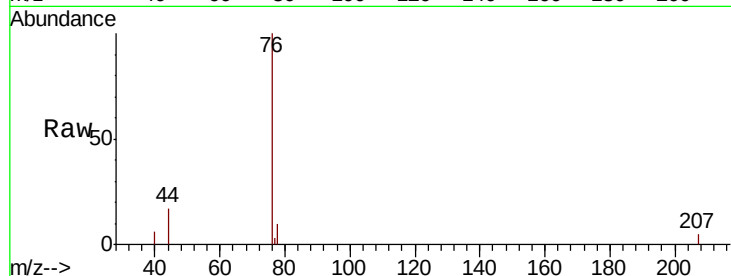
S49-0490

Tot Ion: 76 Resp: 3700

Ion Ratio Lower Upper

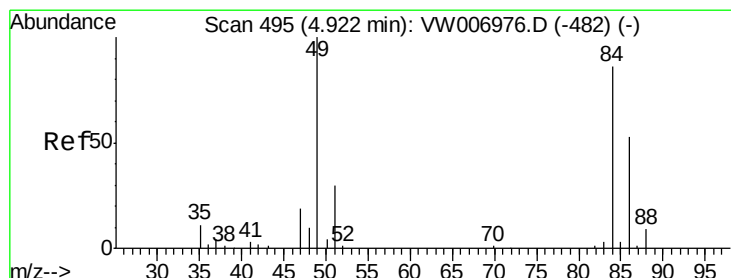
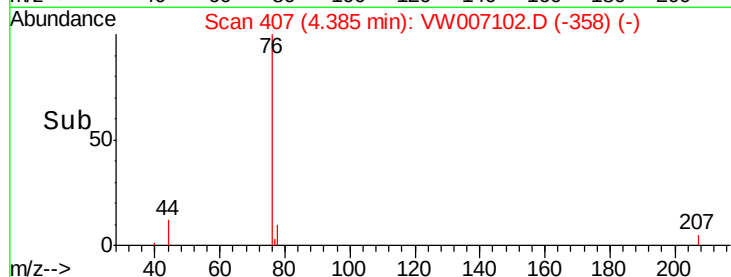
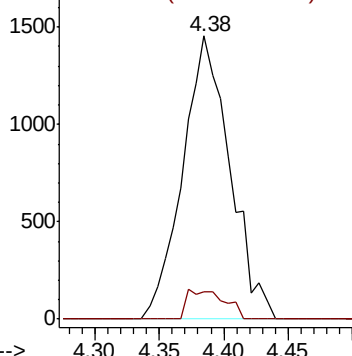
76 100

78 9.8 7.8 11.6



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#20

Methylene Chloride

Concen: 2.930 ug/l

RT: 4.92 min Scan# 495

Delta R.T. 0.00 min

Lab File: VW007102.D

Acq: 27 Nov 2018 21:25

Tgt Ion: 84 Resp: 6524

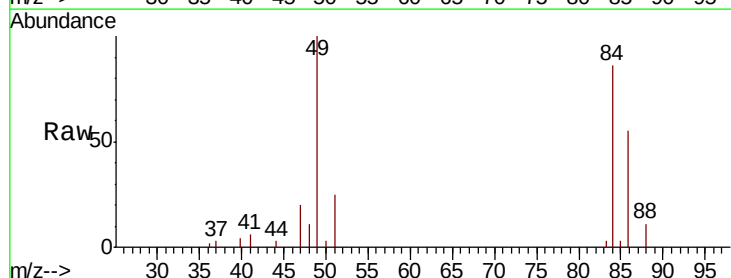
Ion Ratio Lower Upper

84 100

49 115.9 93.4 140.0

51 29.2 28.4 42.6

86 63.2 49.8 74.8

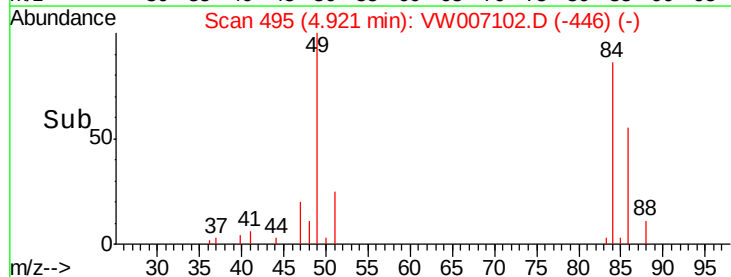
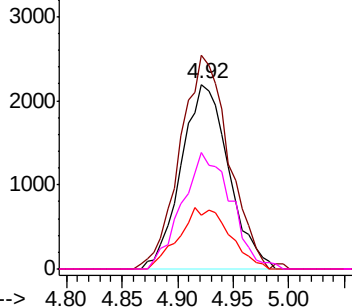


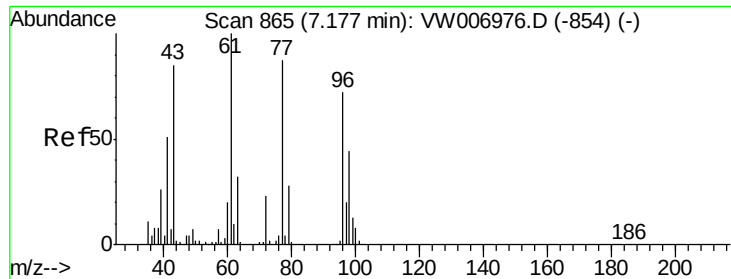
Abundance Ion 83.90 (83.60 to 84.60): VW

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: 4.732 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.02 min

Lab File: VW007102.D

Acq: 27 Nov 2018 21:25

Instrument :

MSVOA_W

ClientSampleId :

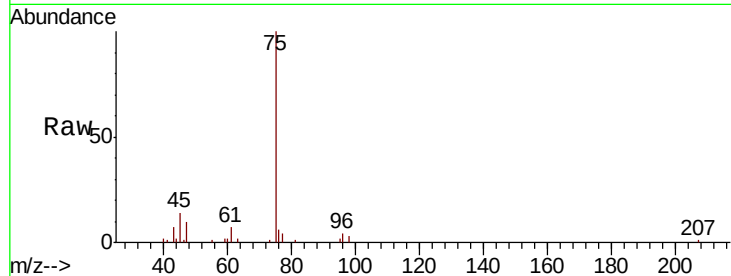
S49-0490

Tot Ion: 43 Resp: 828

Ion Ratio Lower Upper

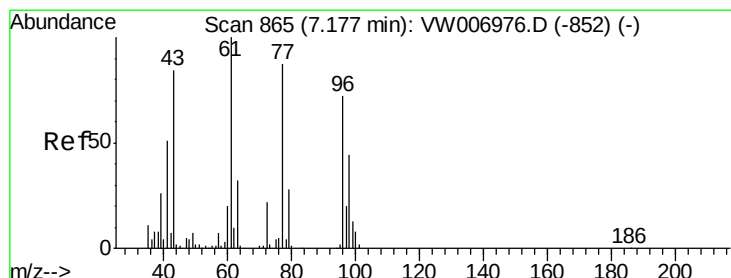
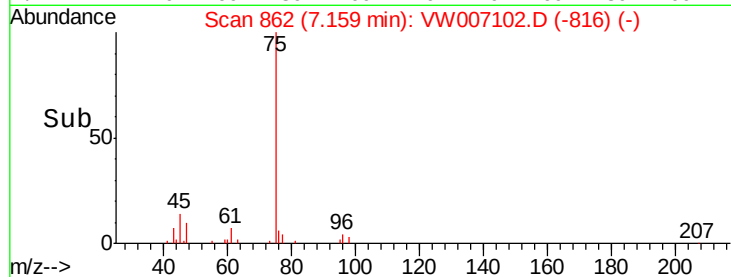
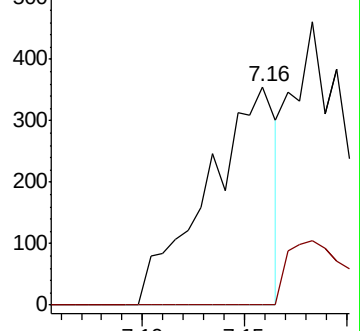
43 100

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



#27

cis-1,2-Dichloroethene

Concen: 1.061 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.01 min

Lab File: VW007102.D

Acq: 27 Nov 2018 21:25

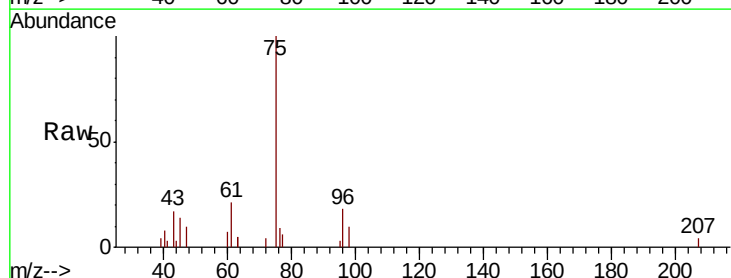
Tgt Ion: 96 Resp: 856

Ion Ratio Lower Upper

96 100

61 177.2 0.0 292.6

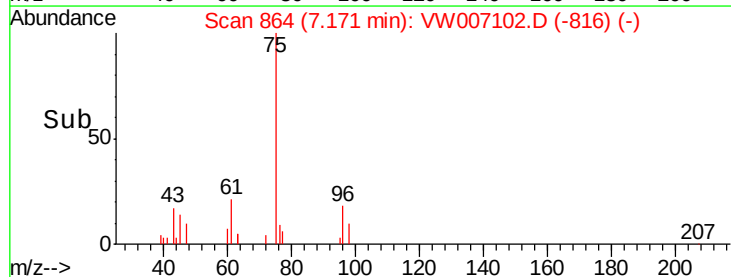
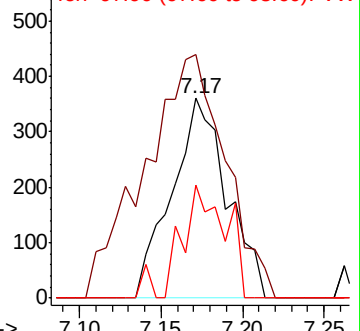
98 43.2 0.0 129.8

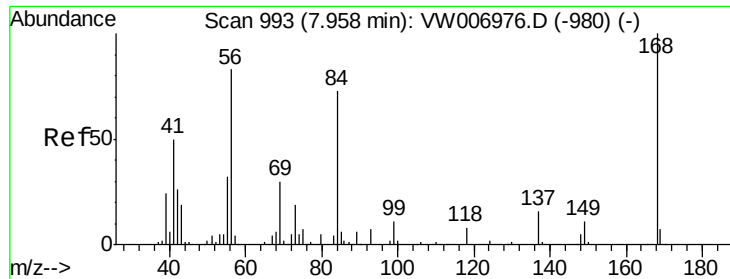


Abundance Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW

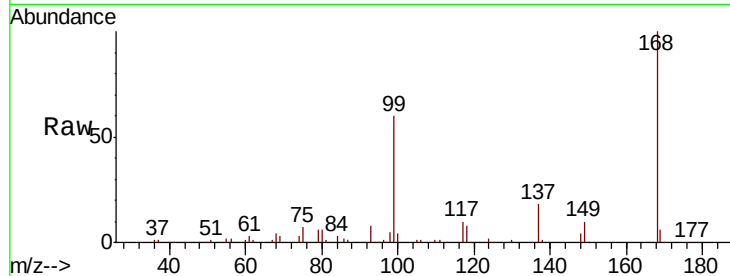




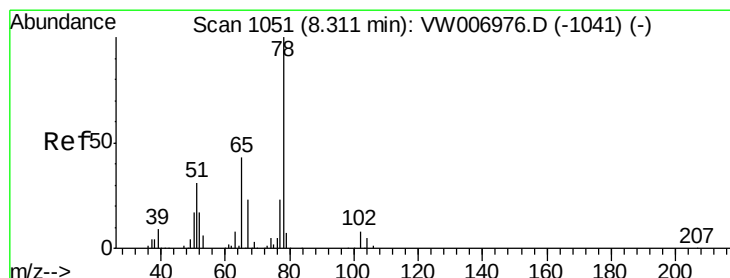
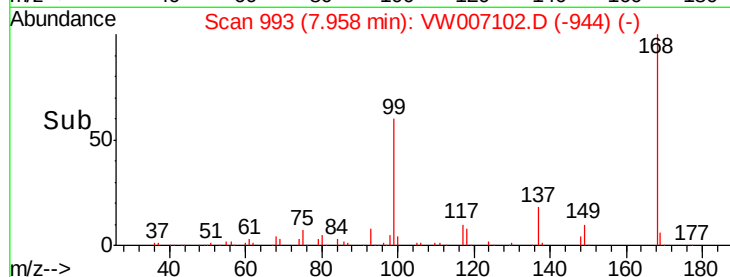
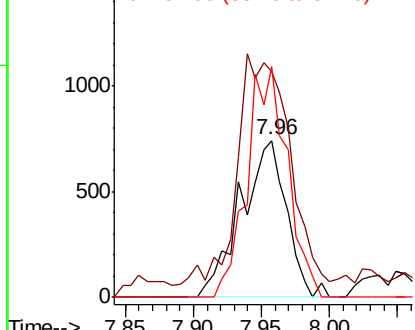
#31
Cyclohexane
Concen: 1.294 ug/l
RT: 7.96 min Scan# 993
Delta R.T. -0.00 min
Lab File: VW007102.D
Acq: 27 Nov 2018 21:25

Instrument :
MSVOA_W
ClientSampled :
S49-0490

Tot Ion: 56 Resp: 1754
Ion Ratio Lower Upper
56 100
69 132.2 29.1 43.7#
84 147.0 70.6 105.8#

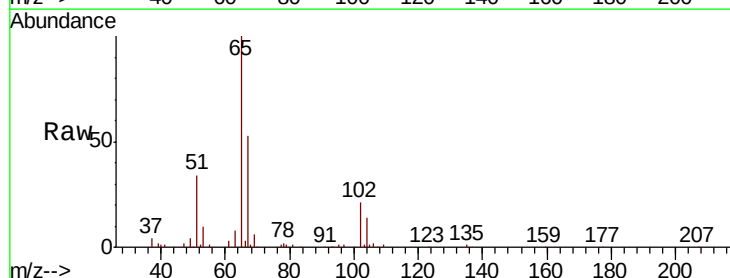


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

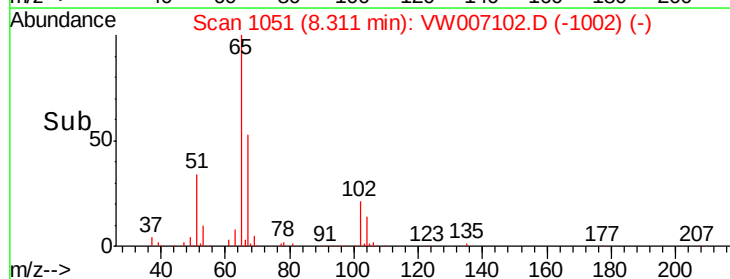
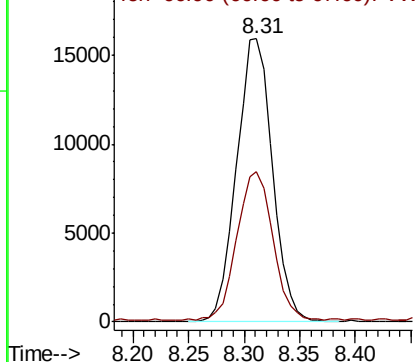


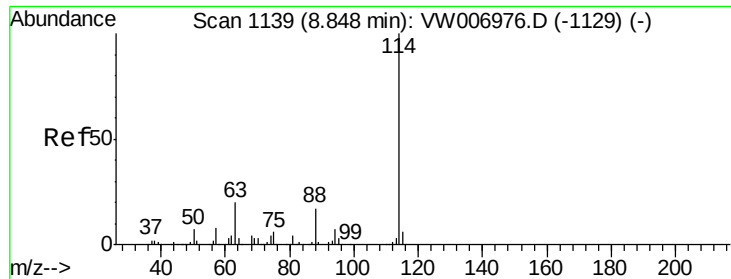
#33
1,2-Dichloroethane-d4
Concen: 50.683 ug/l
RT: 8.31 min Scan# 1051
Delta R.T. -0.00 min
Lab File: VW007102.D
Acq: 27 Nov 2018 21:25

Tgt Ion: 65 Resp: 35660
Ion Ratio Lower Upper
65 100
67 52.5 0.0 106.2



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

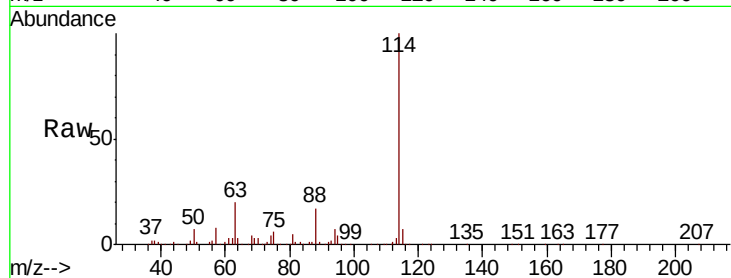




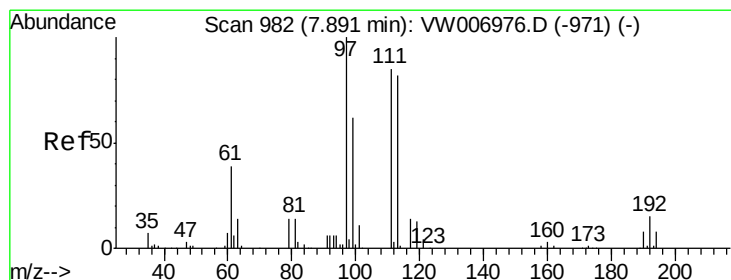
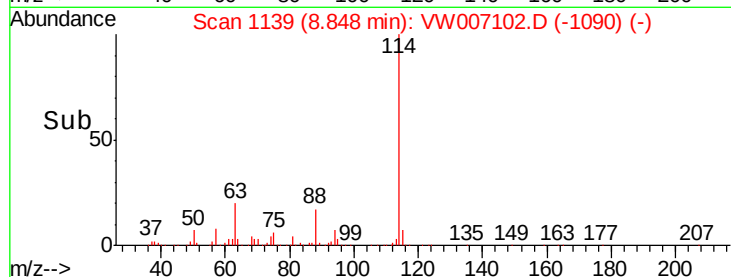
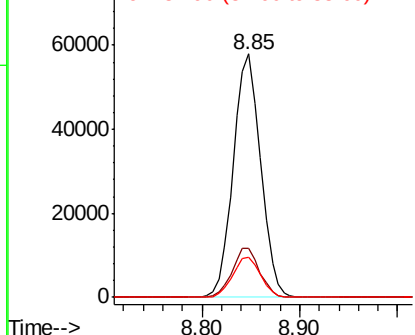
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW007102.D
 Acq: 27 Nov 2018 21:25

Instrument :
 MSVOA_W
 ClientSampleId :
 S49-0490

Tot Ion	Ratio	Lower	Upper
114	100		
63	20.0	0.0	39.4
88	16.7	0.0	34.2

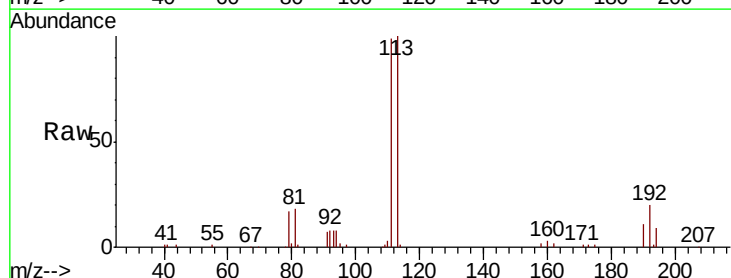


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

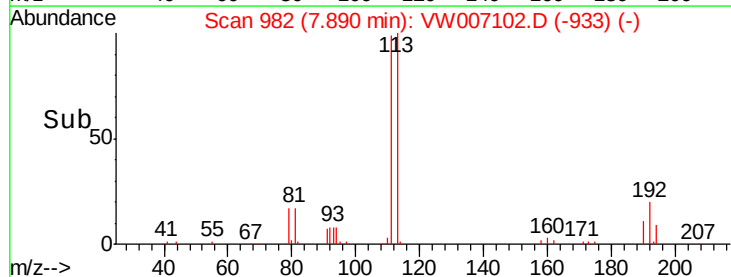
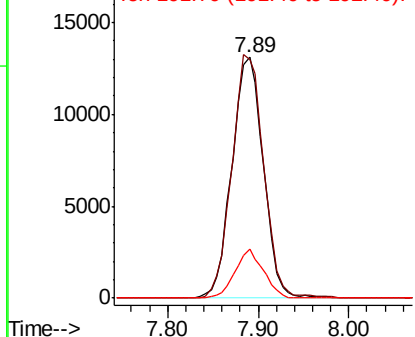


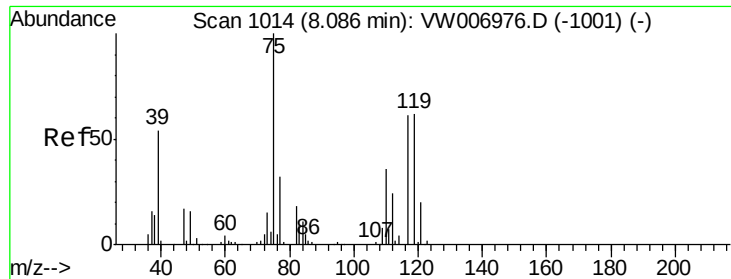
#35
 Dibromofluoromethane
 Concen: 49.555 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. -0.00 min
 Lab File: VW007102.D
 Acq: 27 Nov 2018 21:25

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.2	81.0	121.6
192	18.3	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

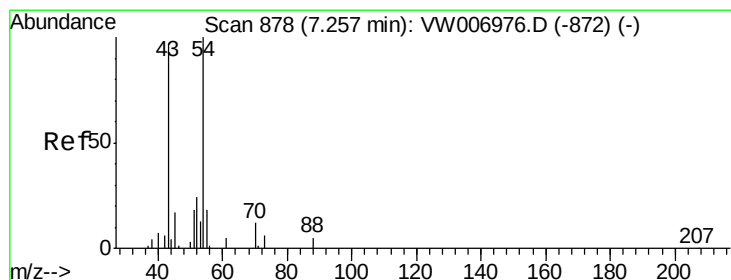
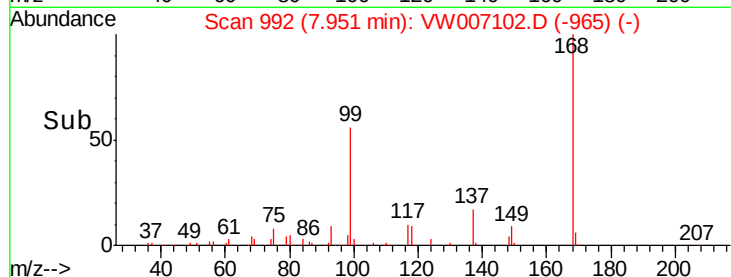
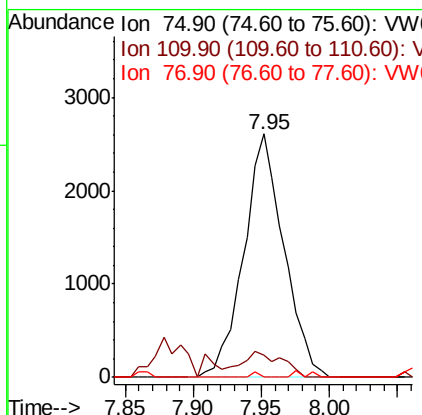
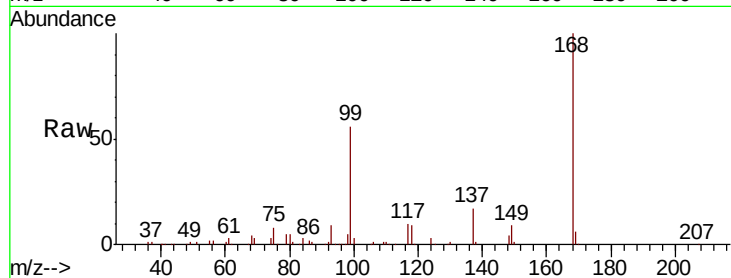




#36
 1,1-Dichloropropene
 Concen: 4.902 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW007102.D
 Acq: 27 Nov 2018 21:25

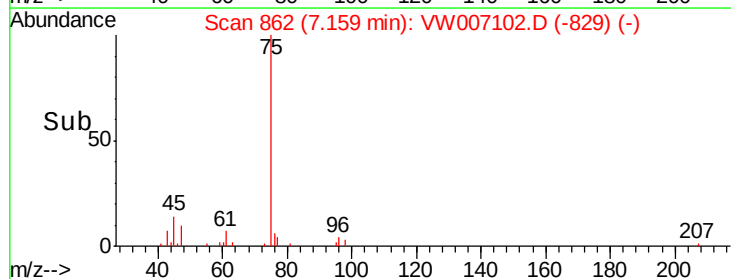
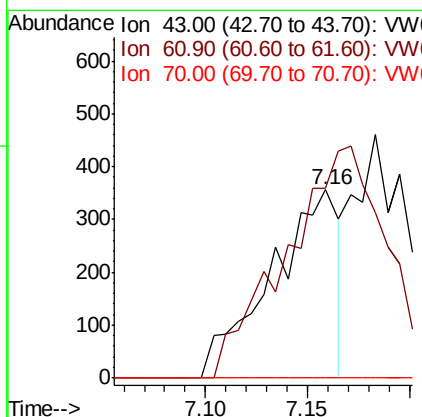
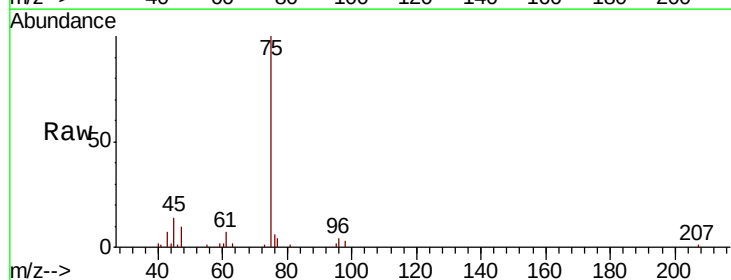
Instrument :
 MSVOA_W
 ClientSampleId :
 S49-0490

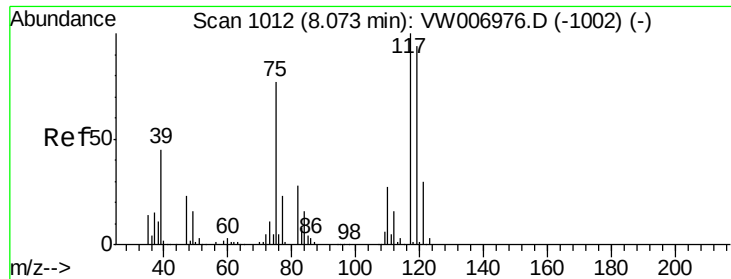
Tot Ion	Ratio	Lower	Upper
75	100		
110	10.8	18.0	54.0#
77	0.4	24.9	37.3#



#37
 Ethyl Acetate
 Concen: 2.078 ug/l
 RT: 7.16 min Scan# 862
 Delta R.T. -0.10 min
 Lab File: VW007102.D
 Acq: 27 Nov 2018 21:25

Tgt Ion	Ratio	Lower	Upper
43	100		
61	183.2	10.4	15.6#
70	0.0	8.8	13.2#





#38

Carbon Tetrachloride

Concen: 6.928 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW007102.D

Acq: 27 Nov 2018 21:25

Instrument :

MSVOA_W

ClientSampleId :

S49-0490

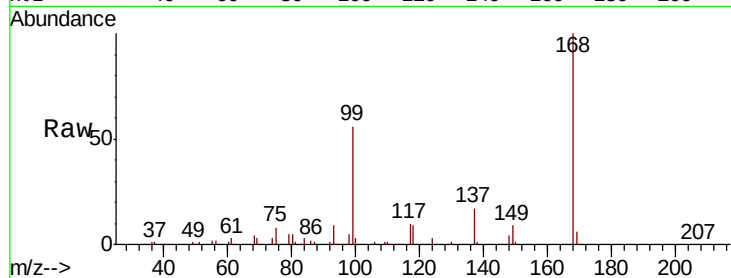
Tot Ion:117 Resp: 7294

Ion Ratio Lower Upper

117 100

119 4.9 74.9 112.3#

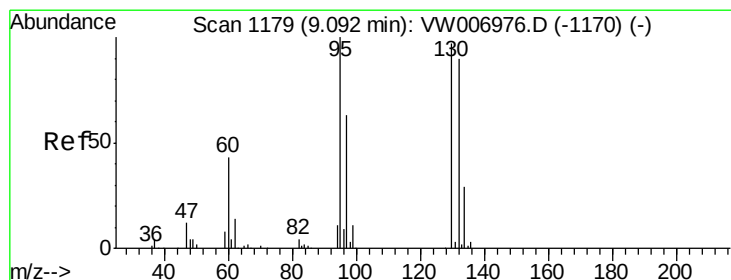
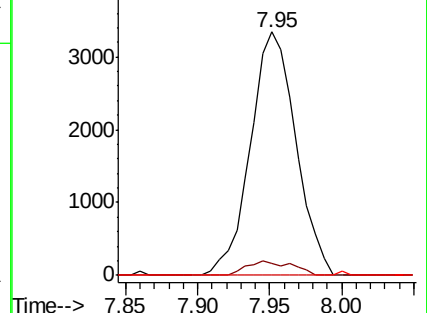
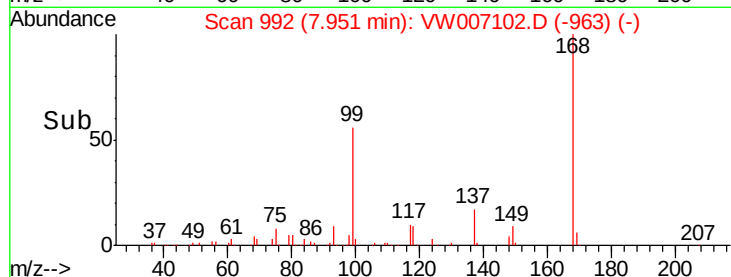
121 0.0 23.6 35.4#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#44

Trichloroethene

Concen: 3.445 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW007102.D

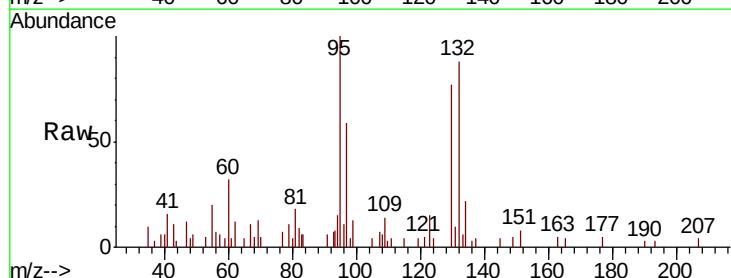
Acq: 27 Nov 2018 21:25

Tgt Ion:130 Resp: 2866

Ion Ratio Lower Upper

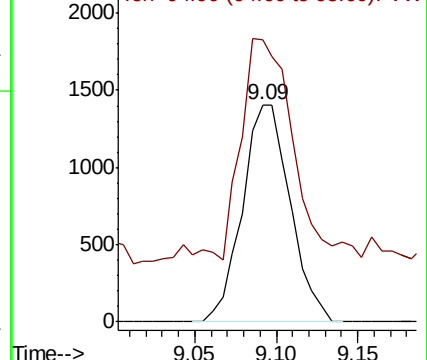
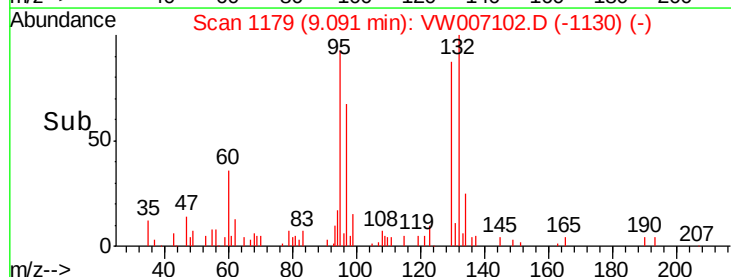
130 100

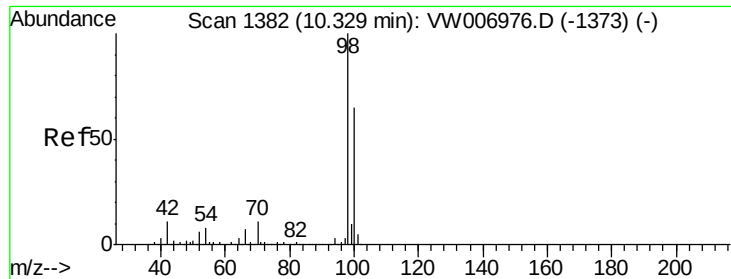
95 99.2 0.0 206.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VV





#50

Toluene-d8

Concen: 48.136 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW007102.D

Acq: 27 Nov 2018 21:25

Instrument :

MSVOA_W

ClientSampleId :

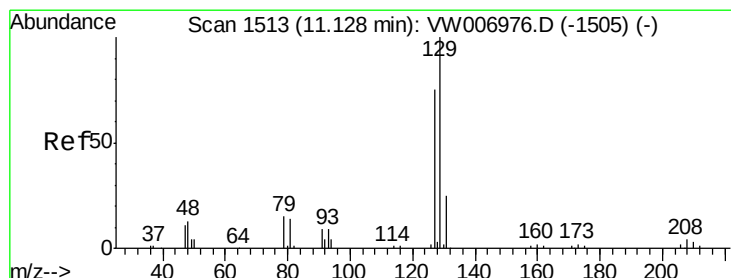
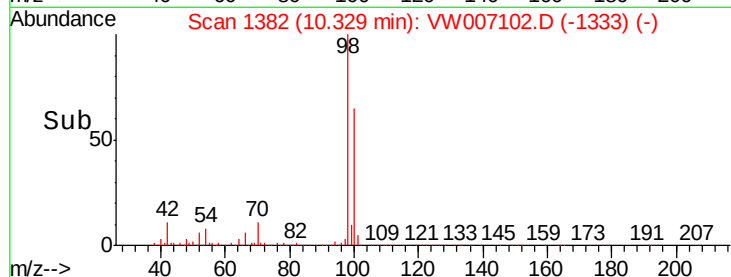
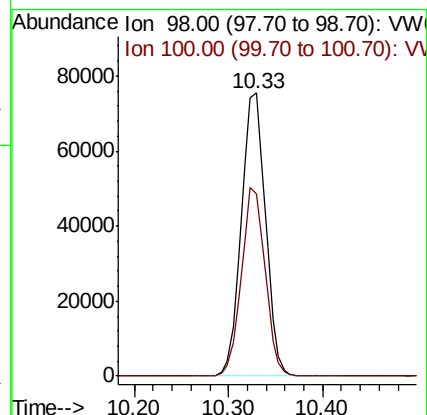
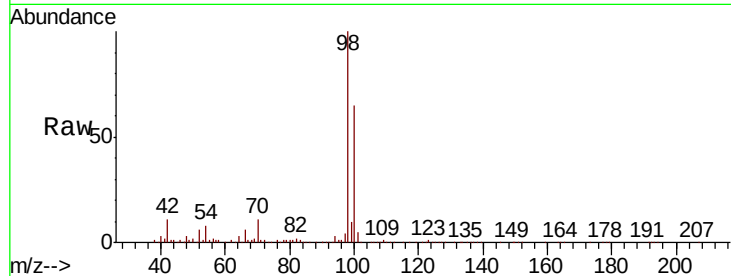
S49-0490

Tot Ion: 98 Resp: 135050

Ion Ratio Lower Upper

98 100

100 65.4 52.2 78.2



#60

Dibromochloromethane

Concen: 1578.606 ug/l

RT: 10.87 min Scan# 1470

Delta R.T. -0.26 min

Lab File: VW007102.D

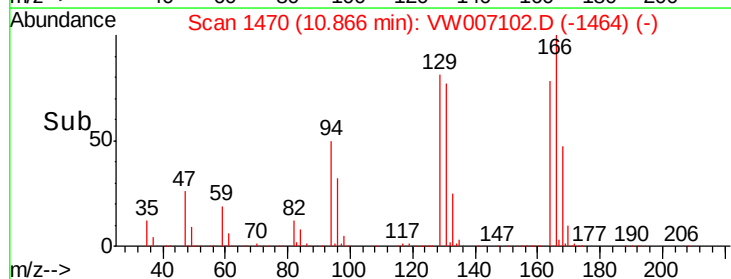
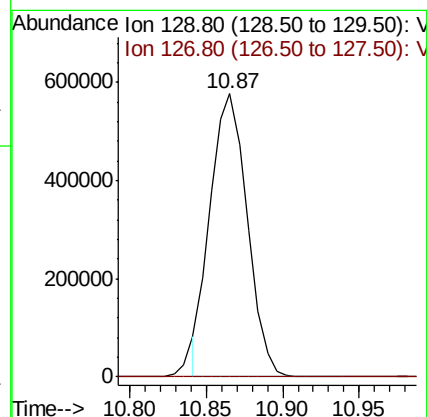
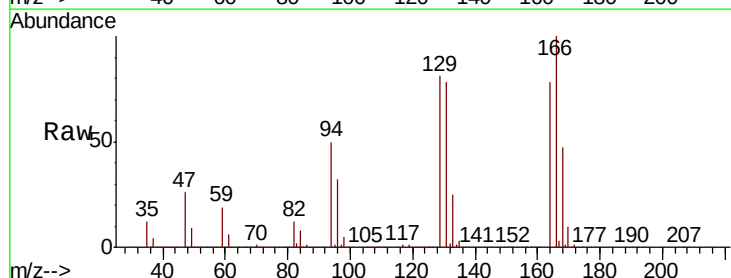
Acq: 27 Nov 2018 21:25

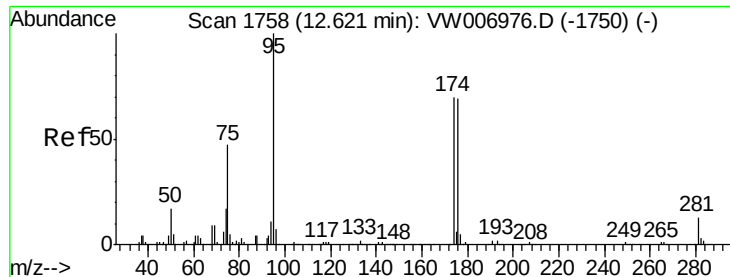
Tgt Ion: 129 Resp: 969524

Ion Ratio Lower Upper

129 100

127 0.0 38.3 114.8#





#62

4-Bromofluorobenzene

Concen: 47.402 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW007102.D

Acq: 27 Nov 2018 21:25

Instrument :

MSVOA_W

ClientSampled :

S49-0490

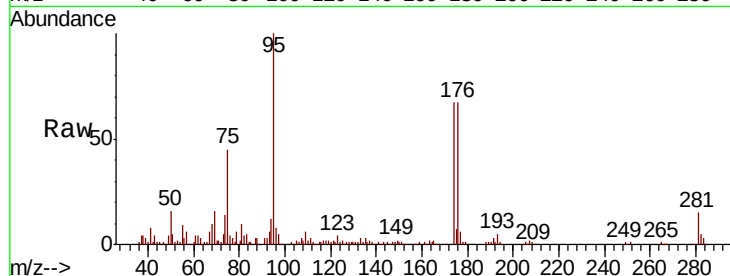
Tot Ion: 95 Resp: 52333

Ion Ratio Lower Upper

95 100

174 67.7 0.0 143.6

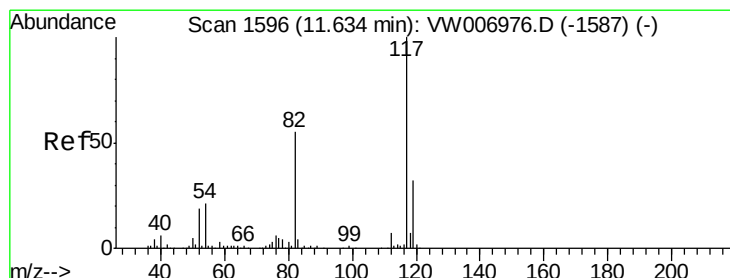
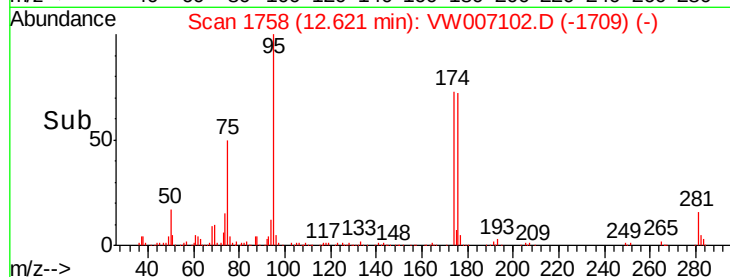
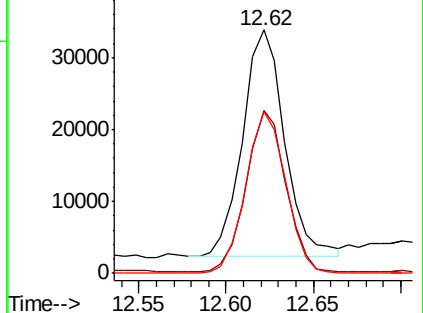
176 68.3 0.0 140.4



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VW007102.D

Acq: 27 Nov 2018 21:25

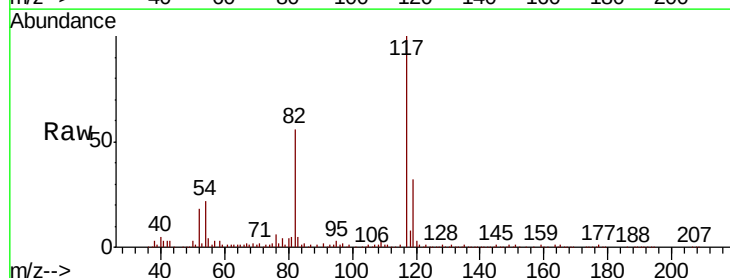
Tgt Ion: 117 Resp: 104591

Ion Ratio Lower Upper

117 100

82 55.2 44.2 66.2

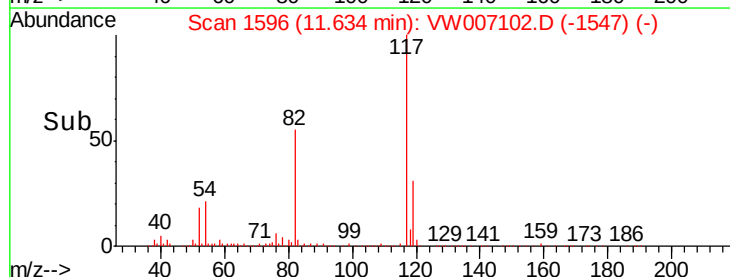
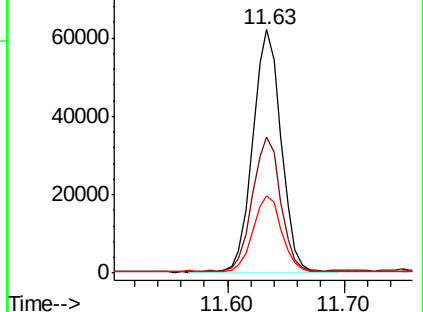
119 31.1 25.9 38.9

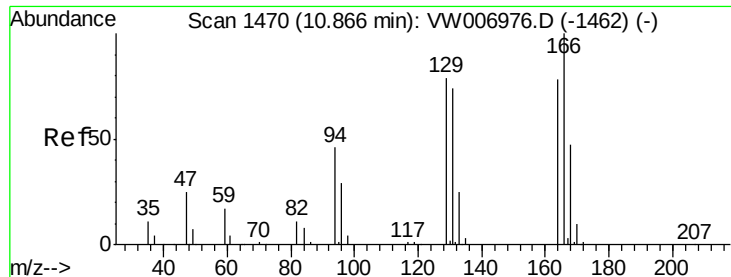


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW





#64

Tetrachloroethene

Concen: 1477.771 ug/l

RT: 10.87 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VW007102.D

Acq: 27 Nov 2018 21:25

Instrument :

MSVOA_W

ClientSampleId :

S49-0490

Tot Ion:164 Resp: 994329

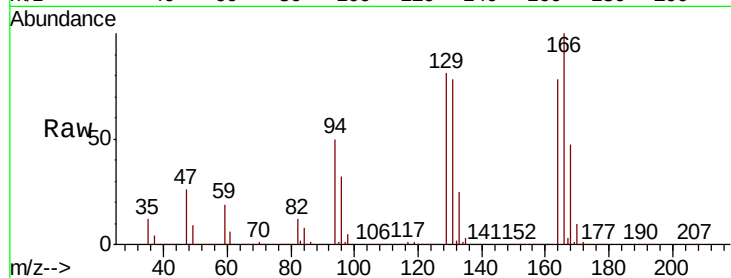
Ion Ratio Lower Upper

164 100

166 127.7 102.1 153.1

129 103.4 80.4 120.6

131 99.0 75.2 112.8

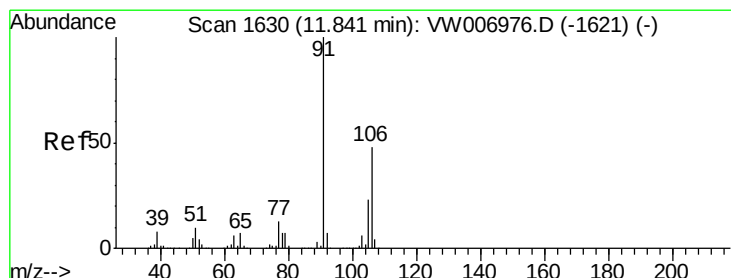
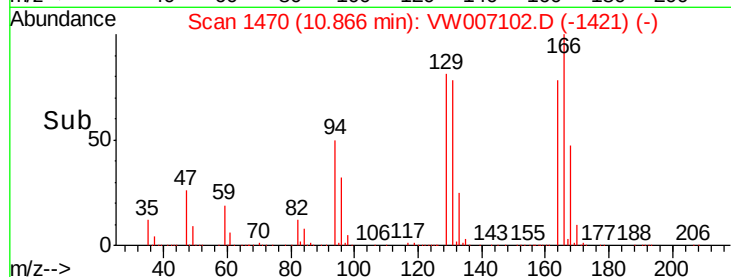
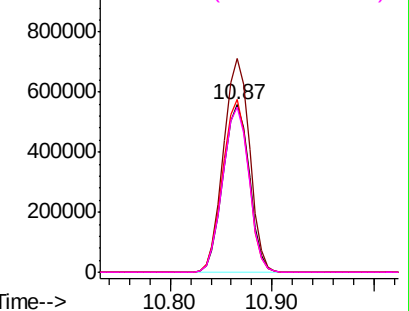


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#68

m/p-Xylenes

Concen: 1.168 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW007102.D

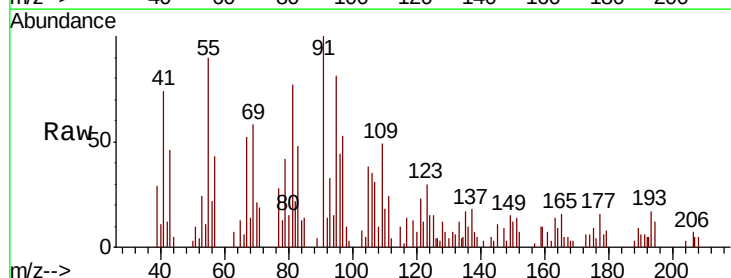
Acq: 27 Nov 2018 21:25

Tgt Ion:106 Resp: 1837

Ion Ratio Lower Upper

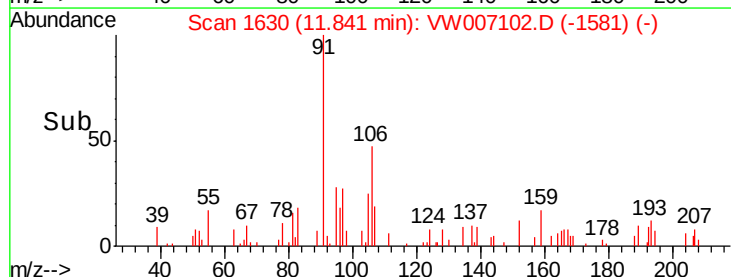
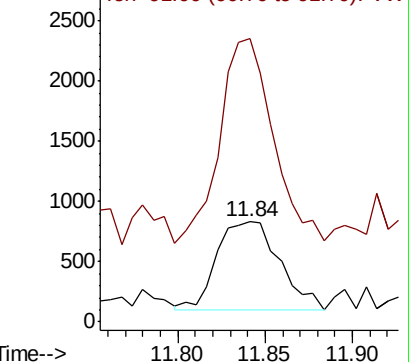
106 100

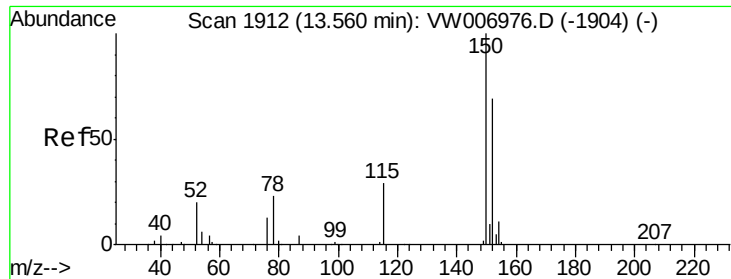
91 197.2 164.8 247.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): V

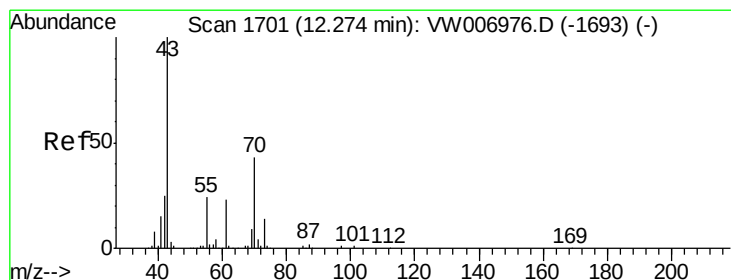
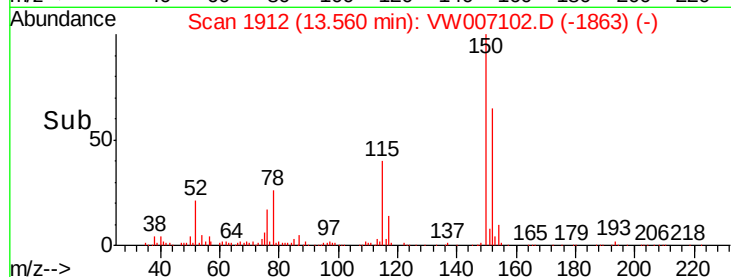
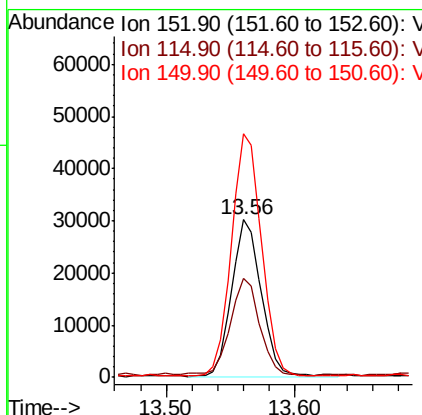
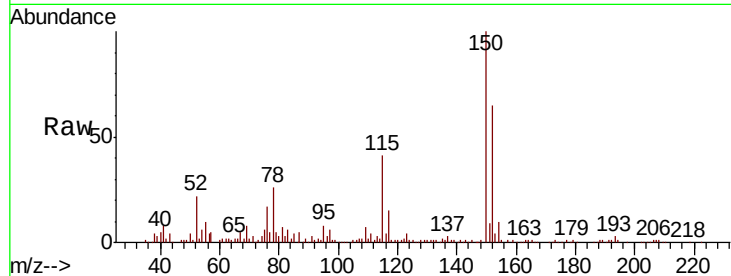




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.56 min Scan# 1912
 Delta R.T. -0.00 min
 Lab File: VW007102.D
 Acq: 27 Nov 2018 21:25

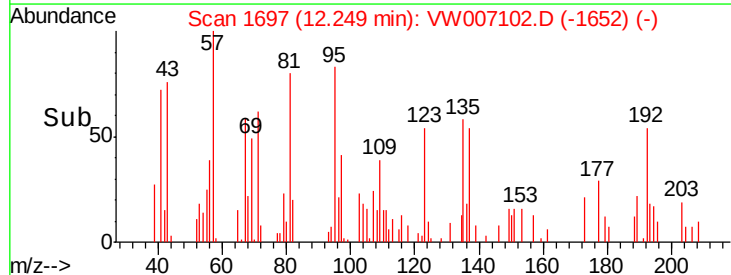
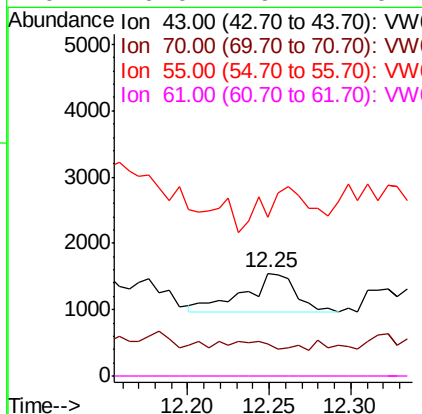
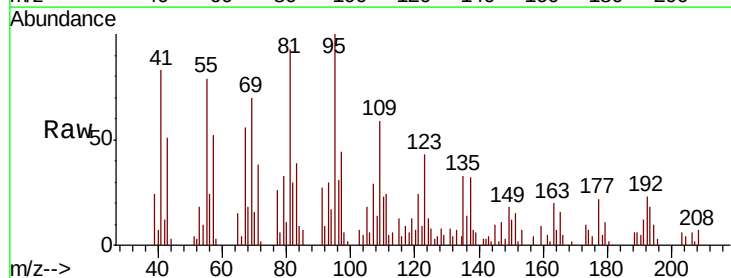
Instrument :
 MSVOA_W
 ClientSampleId :
 S49-0490

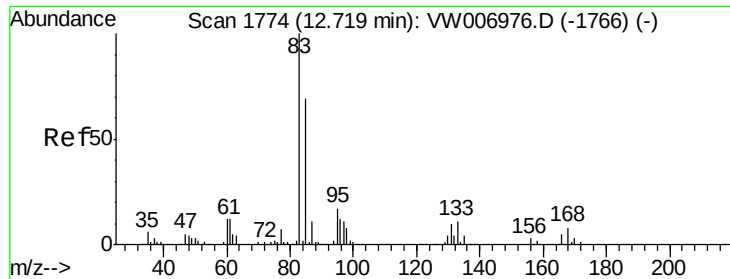
Tot Ion	Ratio	Lower	Upper
152	100		
115	61.8	31.4	94.2
150	155.7	0.0	353.4



#74
 N-ethyl acetate
 Concen: 2.070 ug/l
 RT: 12.25 min Scan# 1697
 Delta R.T. -0.02 min
 Lab File: VW007102.D
 Acq: 27 Nov 2018 21:25

Tgt Ion	Ratio	Lower	Upper
43	100		
70	0.0	34.0	51.0#
55	107.1	19.4	29.0#
61	0.0	19.4	29.2#

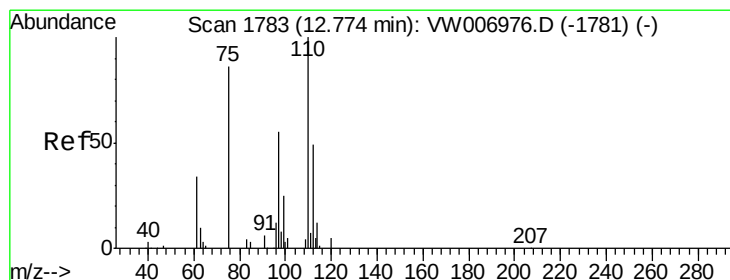
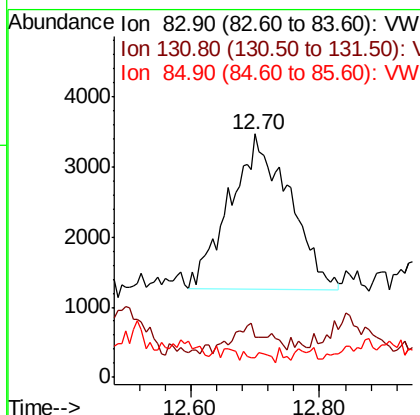
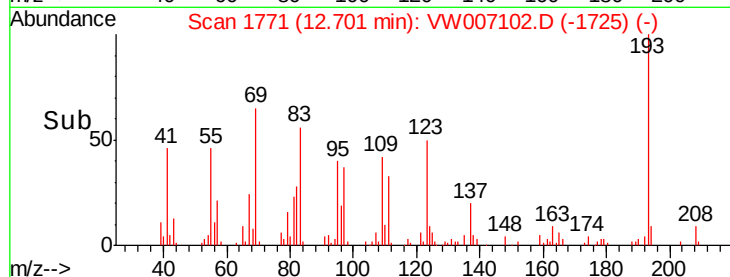
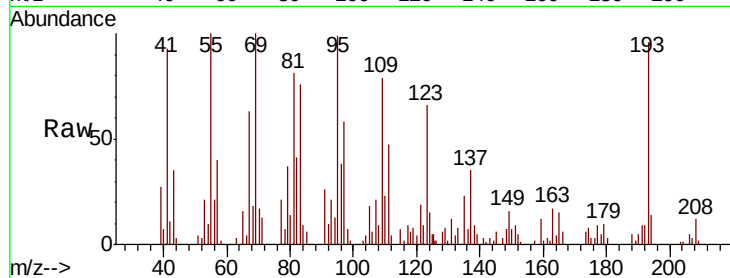




#75
 1,1,2,2-Tetrachloroethane
 Concen: 28.380 ug/l
 RT: 12.70 min Scan# 1771
 Delta R.T. -0.02 min
 Lab File: VW007102.D
 Acq: 27 Nov 2018 21:25

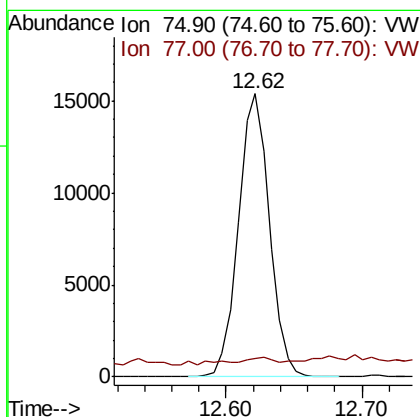
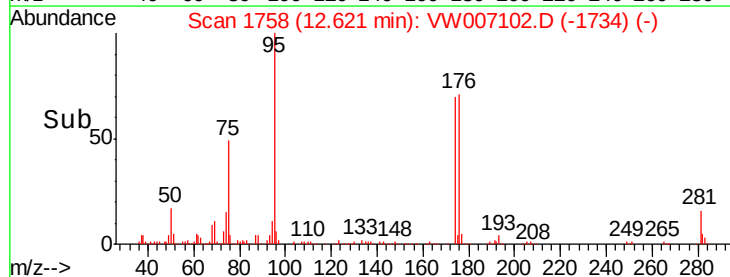
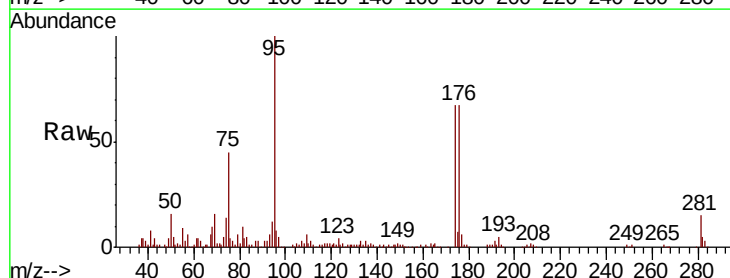
Instrument :
 MSVOA_W
 ClientSampled :
 S49-0490

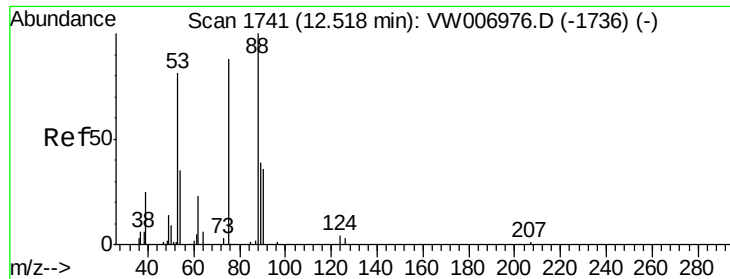
Tot Ion: 83 Resp: 14150
 Ion Ratio Lower Upper
 83 100
 131 8.6 5.7 17.1
 85 1.3 33.1 99.2#



#76
 1,2,3-Trichloropropane
 Concen: 64.425 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.15 min
 Lab File: VW007102.D
 Acq: 27 Nov 2018 21:25

Tgt Ion: 75 Resp: 24404
 Ion Ratio Lower Upper
 75 100
 77 1.6 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 161.744 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW007102.D

Acq: 27 Nov 2018 21:25

Instrument :

MSVOA_W

ClientSampled :

S49-0490

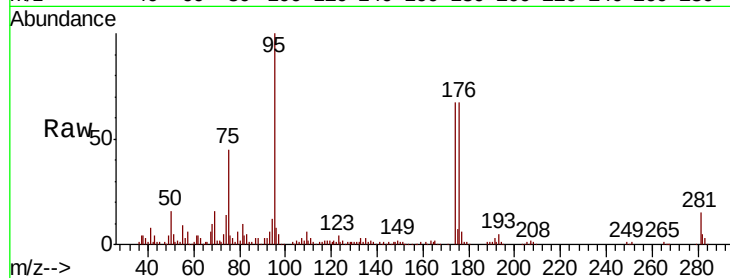
Tot Ion: 75 Resp: 24404

Ion Ratio Lower Upper

75 100

53 0.0 77.6 116.4#

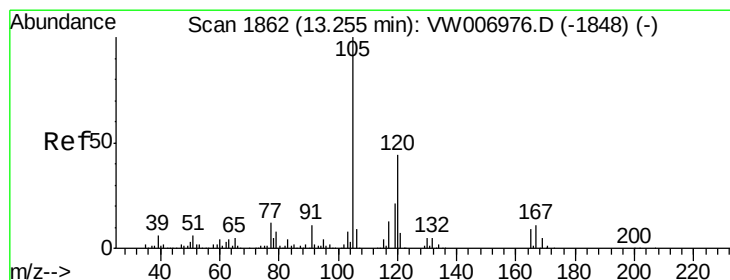
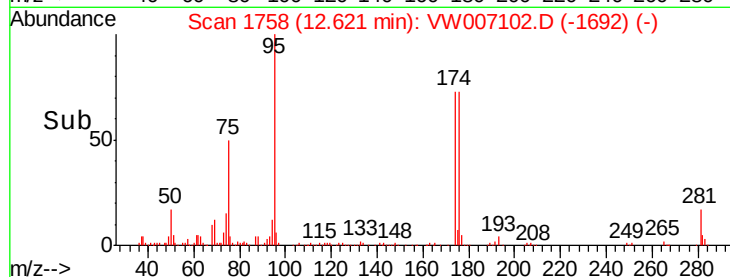
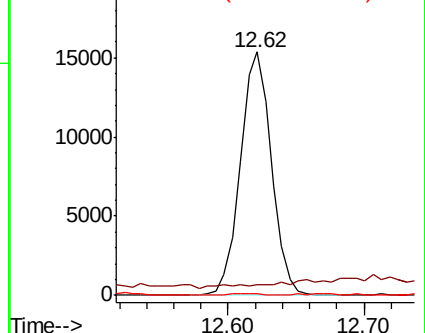
89 0.0 39.3 58.9#



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: 1.380 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. -0.00 min

Lab File: VW007102.D

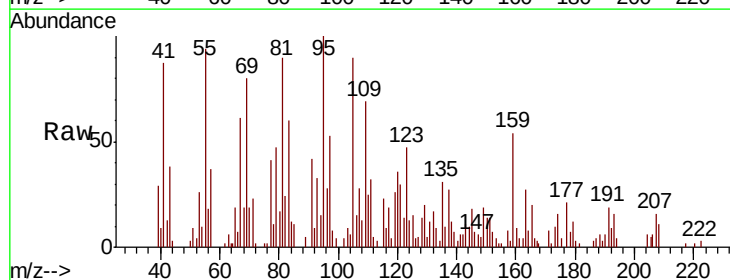
Acq: 27 Nov 2018 21:25

Tgt Ion: 105 Resp: 4454

Ion Ratio Lower Upper

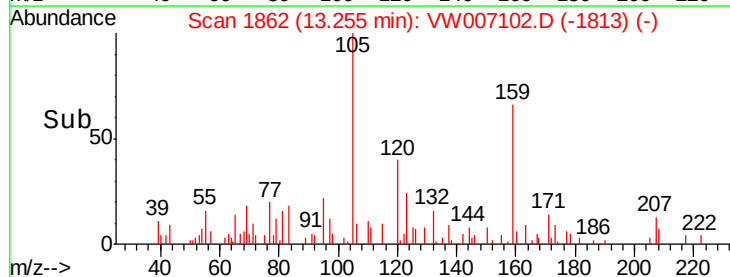
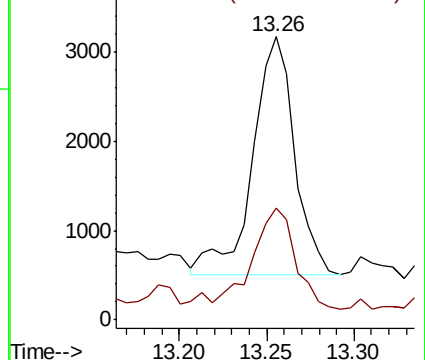
105 100

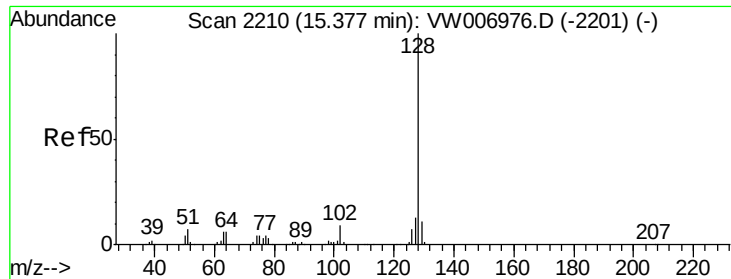
120 44.7 21.8 65.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#95
Naphthalene
Concen: 1.722 ug/l
RT: 15.38 min Scan# 2211
Delta R.T. 0.01 min
Lab File: VW007102.D
Acq: 27 Nov 2018 21:25

Instrument :
MSVOA_W
ClientSampleId :
S49-0490

Tot Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.5	15.7#
129	0.0	8.7	13.1#

