

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072818\
 Data File : VW004264.D
 Acq On : 27 Jul 2018 10:12
 Operator : SY/AP
 Sample : J4099-09RE
 Misc : 4.01G/5ML/MSVOA W/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 27 11:08:38 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W071618S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 16 15:06:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	240342	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	418325	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	268504	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	72764	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	150313	55.95	ug/l	0.00
Spiked Amount			Recovery	=	111.90%	
35) Dibromofluoromethane	7.88	113	101893	37.96	ug/l	0.00
Spiked Amount			Recovery	=	75.92%	
50) Toluene-d8	10.33	98	356677	34.25	ug/l	0.00
Spiked Amount			Recovery	=	68.50%	
62) 4-Bromofluorobenzene	12.62	95	93174	24.81	ug/l	0.00
Spiked Amount			Recovery	=	49.62%	

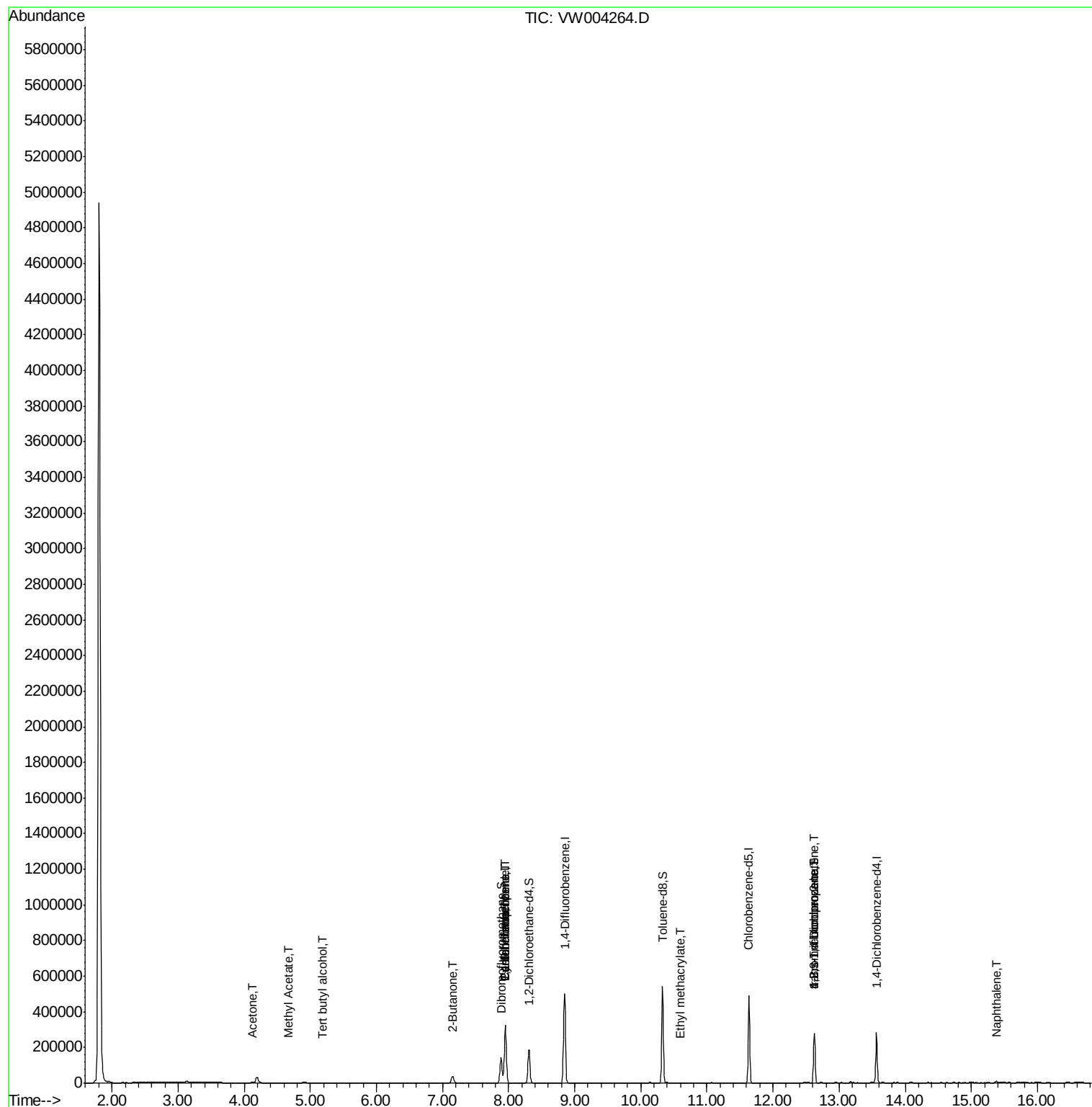
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.17	59	901	4.86	ug/l #	78
16) Acetone	4.13	43	6439	9.97	ug/l	96
18) Methyl Acetate	4.67	43	3806	2.46	ug/l	96
20) Methylene Chloride	4.90	84	4756	Below Cal		94
25) 2-Butanone	7.15	43	1426	1.64	ug/l #	73
31) Cyclohexane	7.95	56	5412	1.21	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	19402	4.51	ug/l #	49
38) Carbon Tetrachloride	7.95	117	24092	5.99	ug/l #	18
56) Ethyl methacrylate	10.60	69	19	2.95	ug/l #	1
76) 1,2,3-Trichloropropane	12.63	75	46246	64.02	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	46246	141.61	ug/l #	11
95) Naphthalene	15.38	128	6409	2.26	ug/l	96

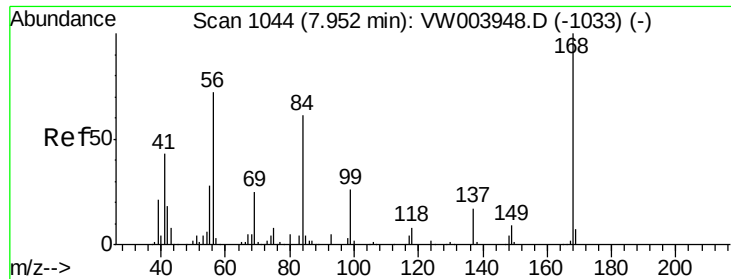
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW072818\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W071618S.M
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QLast Update : Mon Jul 16 15:06:12 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VW004264.D

Acq: 27 Jul 2018 10:12

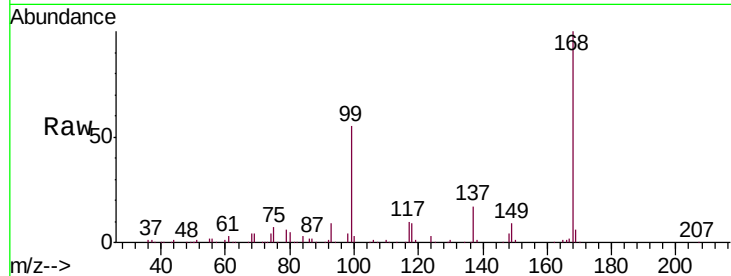
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 240342

Ion Ratio Lower Upper

168 100

99 55.4 43.8 65.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

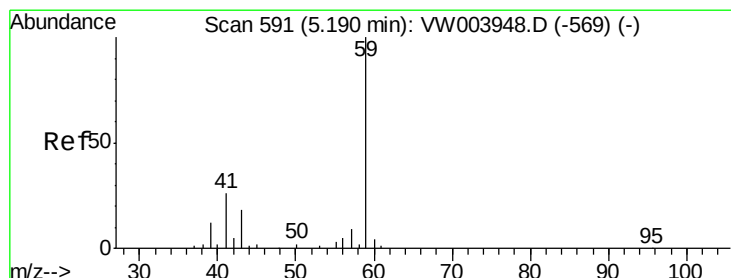
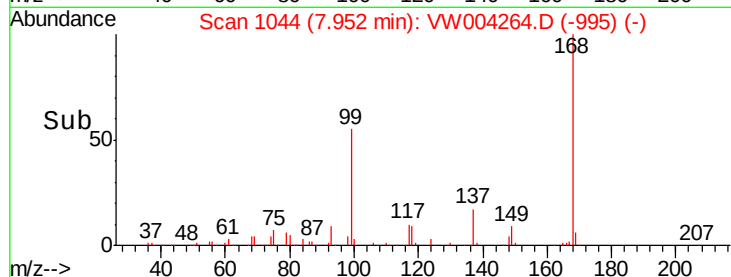
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: 4.86 ug/l

RT: 5.17 min Scan# 588

Delta R.T. -0.02 min

Lab File: VW004264.D

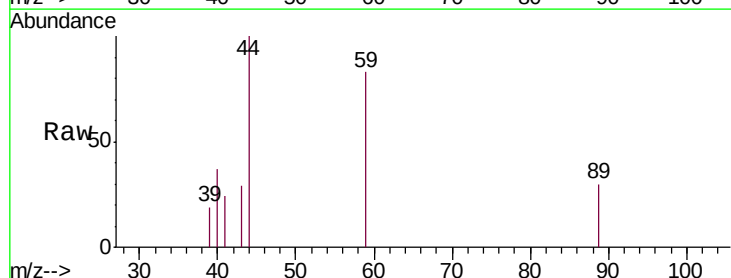
Acq: 27 Jul 2018 10:12

Tgt Ion: 59 Resp: 901

Ion Ratio Lower Upper

59 100

57 2.3 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.17

400

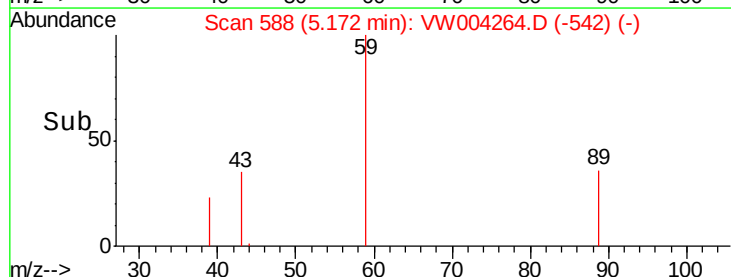
300

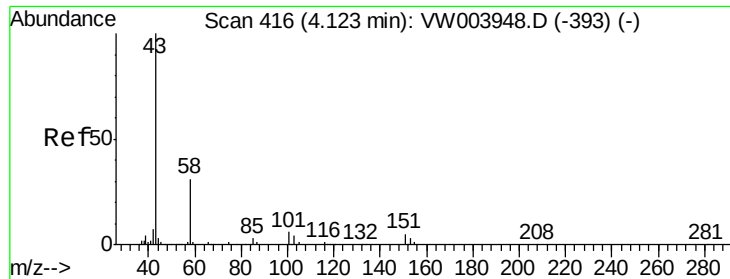
200

100

0

Time--> 5.15 5.20 5.25

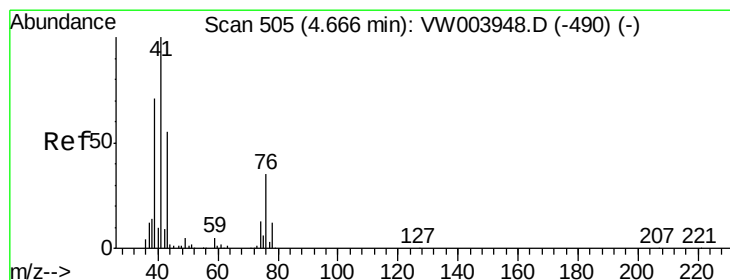
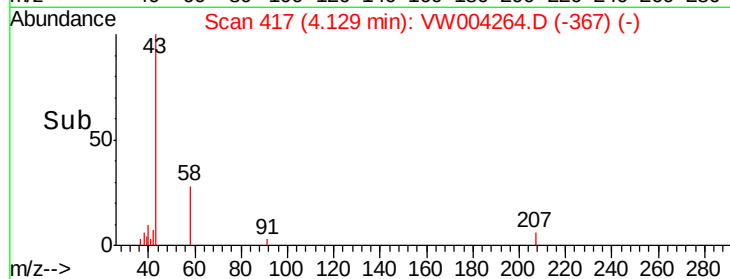
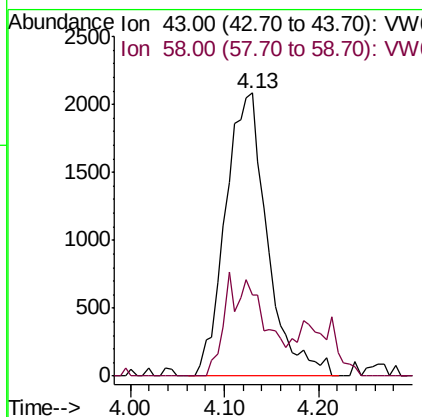
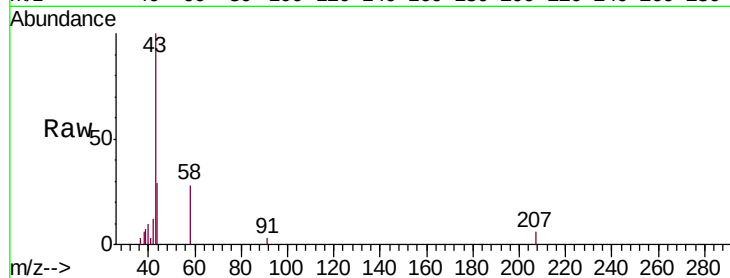




#16
Acetone
Concen: 9.97 ug/l
RT: 4.13 min Scan# 417
Delta R.T. 0.01 min
Lab File: VW004264.D
Acq: 27 Jul 2018 10:12

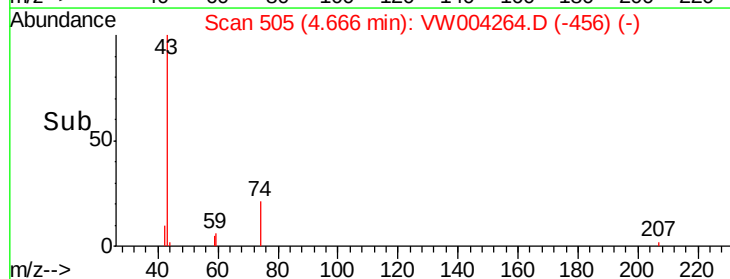
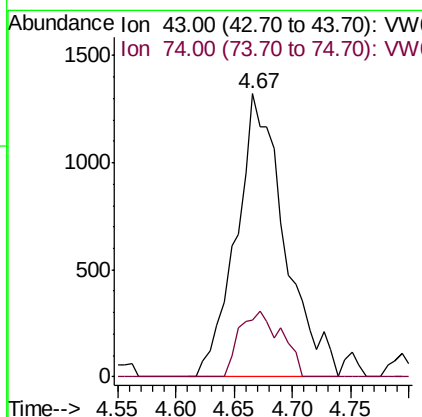
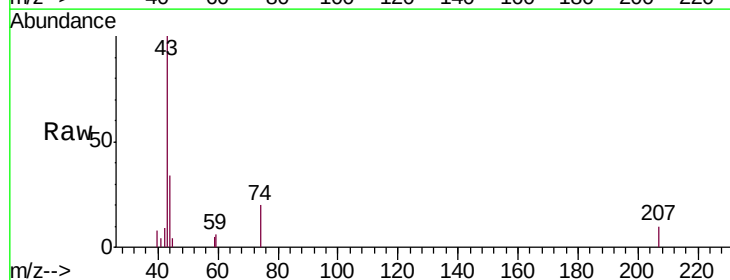
Instrument :
MSVOA_W
ClientSampled :

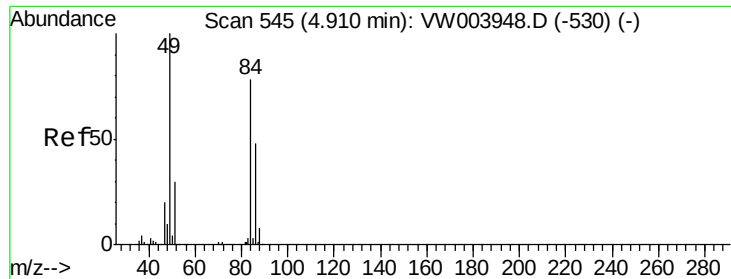
Tot Ion: 43 Resp: 6439
Ion Ratio Lower Upper
43 100
58 28.5 24.5 36.7



#18
Methyl Acetate
Concen: 2.46 ug/l
RT: 4.67 min Scan# 505
Delta R.T. -0.00 min
Lab File: VW004264.D
Acq: 27 Jul 2018 10:12

Tgt Ion: 43 Resp: 3806
Ion Ratio Lower Upper
43 100
74 20.1 17.7 26.5

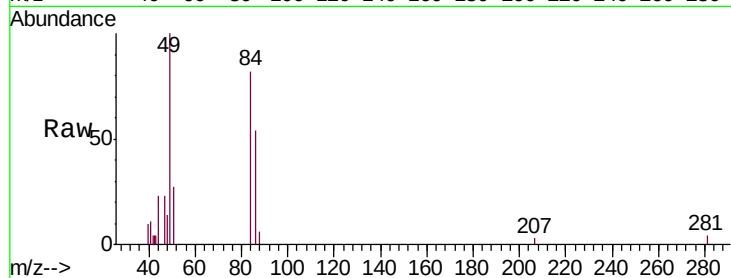




#20
Methvlene Chloride
Concen: Below Cal
RT: 4.90 min Scan# 544
Delta R.T. -0.01 min
Lab File: VW004264.D
Acq: 27 Jul 2018 10:12

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:	84	Resp:	4756
Ion	Ratio	Lower	Upper
84	100		
49	122.0	102.9	154.3
51	32.7	30.9	46.3
86	65.8	49.9	74.9



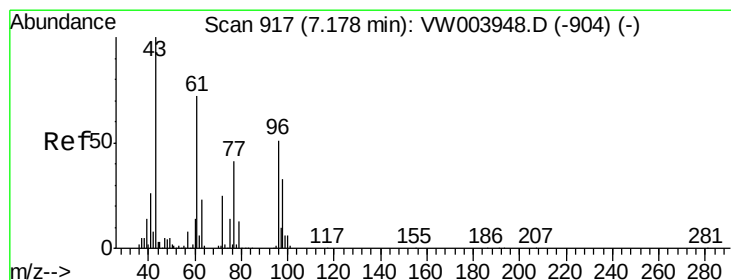
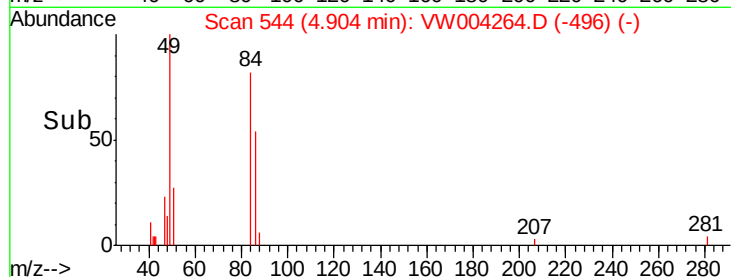
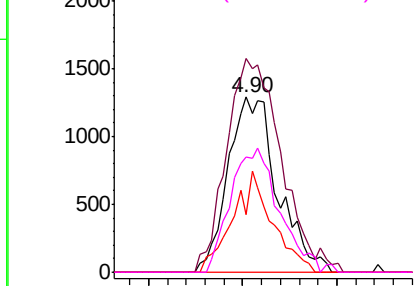
Abundance

Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

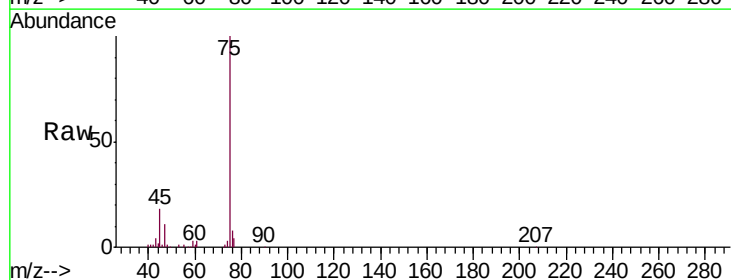
Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW



#25
2-Butanone
Concen: 1.64 ug/l
RT: 7.15 min Scan# 912
Delta R.T. -0.03 min
Lab File: VW004264.D
Acq: 27 Jul 2018 10:12

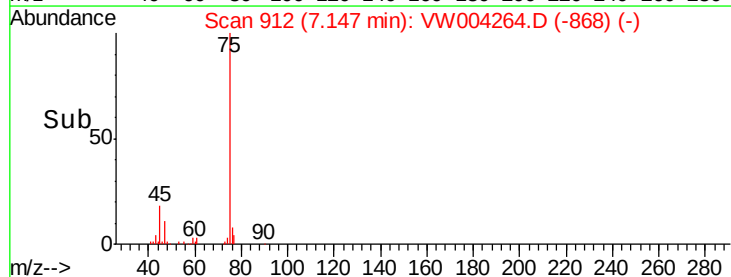
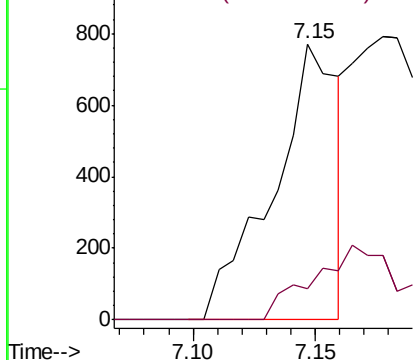
Tgt Ion:	43	Resp:	1426
Ion	Ratio	Lower	Upper
43	100		
72	11.3	19.8	29.6#

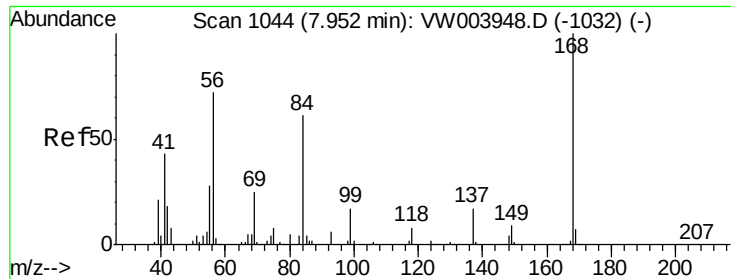


Abundance

Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW





#31

Cyclohexane

Concen: 1.21 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VW004264.D

Acq: 27 Jul 2018 10:12

Instrument :
MSVOA_W
ClientSampled :

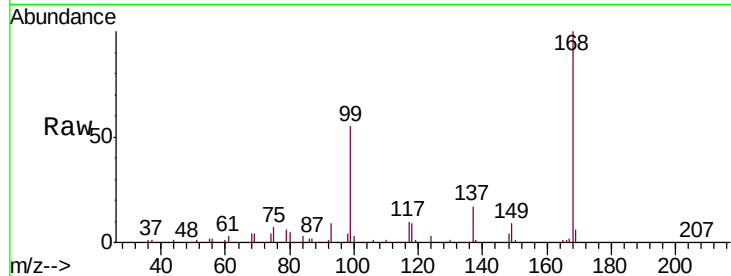
Tot Ion: 56 Resp: 5412

Ion Ratio Lower Upper

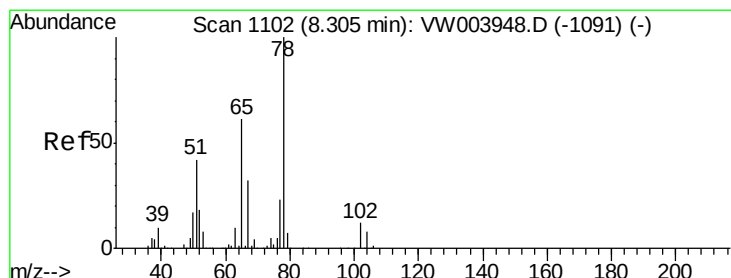
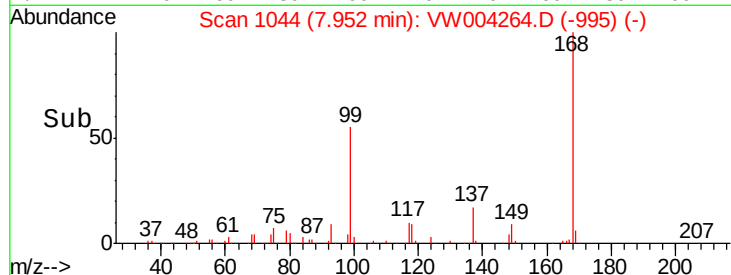
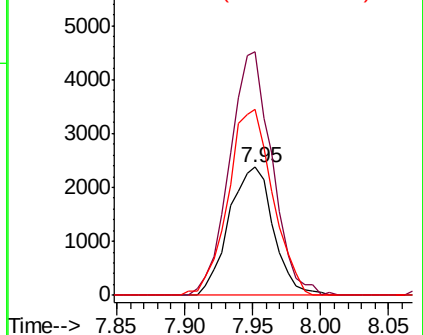
56 100

69 189.7 27.8 41.8#

84 145.3 67.2 100.8#



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: 55.95 ug/l

RT: 8.31 min Scan# 1103

Delta R.T. 0.01 min

Lab File: VW004264.D

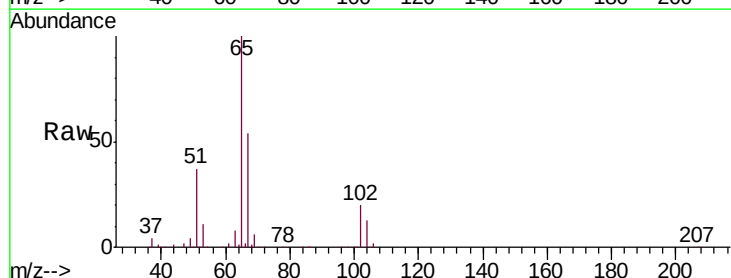
Acq: 27 Jul 2018 10:12

Tgt Ion: 65 Resp: 150313

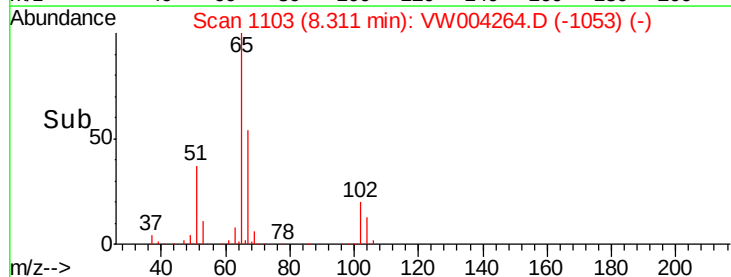
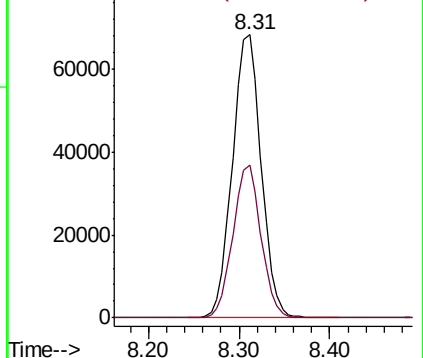
Ion Ratio Lower Upper

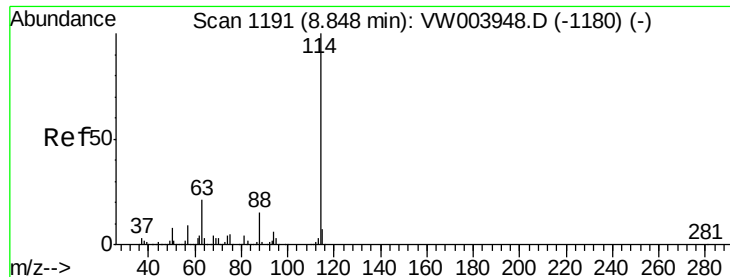
65 100

67 52.7 0.0 105.0



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

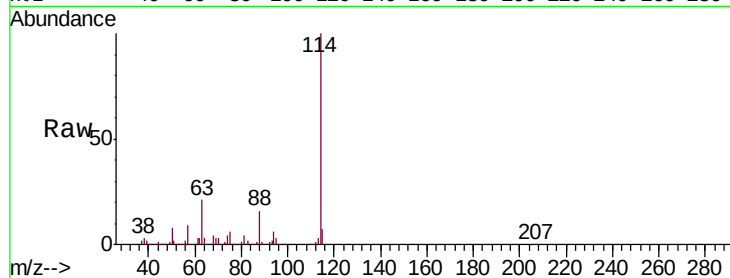




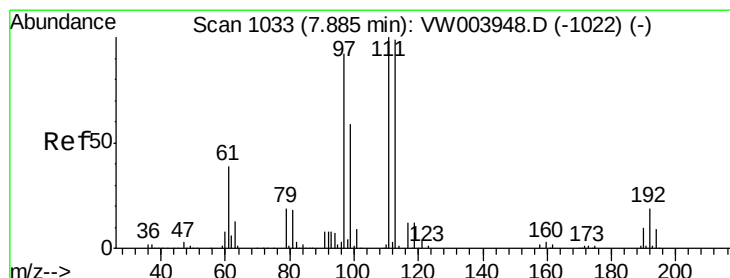
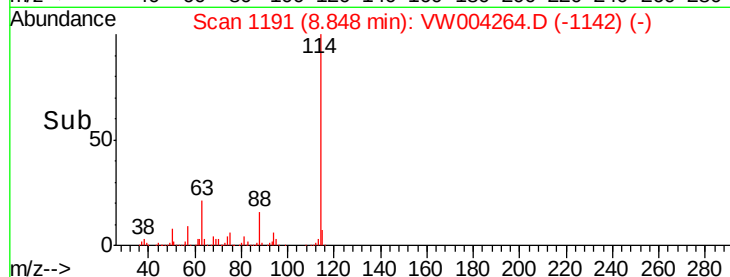
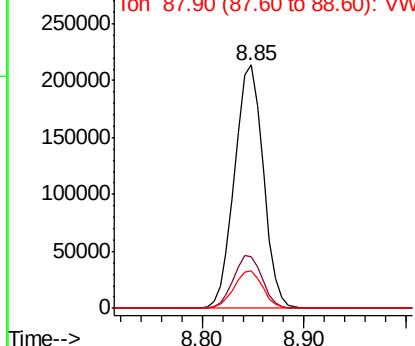
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. -0.00 min
 Lab File: VW004264.D
 Acq: 27 Jul 2018 10:12

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
114	100		
63	21.2	0.0	42.8
88	15.7	0.0	30.4

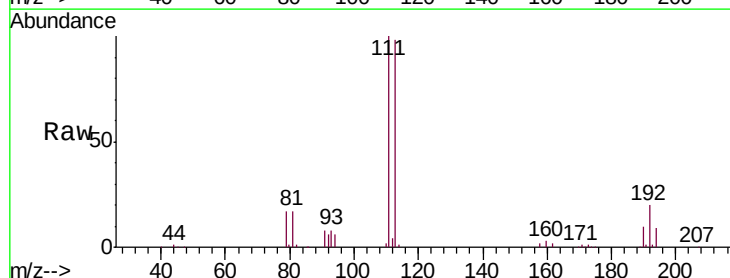


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

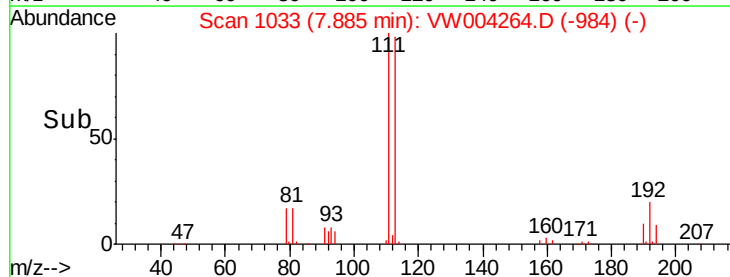
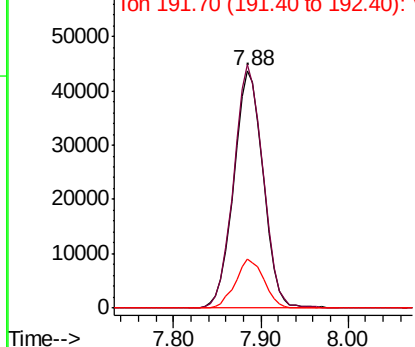


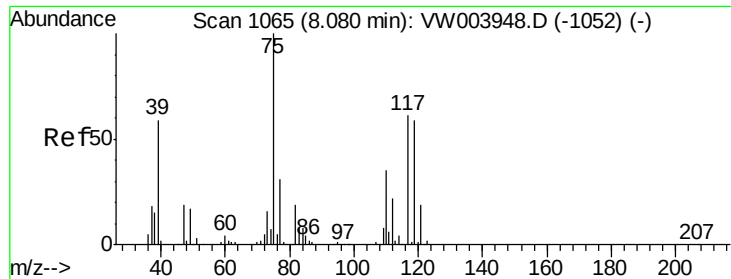
#35
 Dibromofluoromethane
 Concen: 37.96 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. -0.00 min
 Lab File: VW004264.D
 Acq: 27 Jul 2018 10:12

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.4	81.3	121.9
192	20.3	15.8	23.6



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

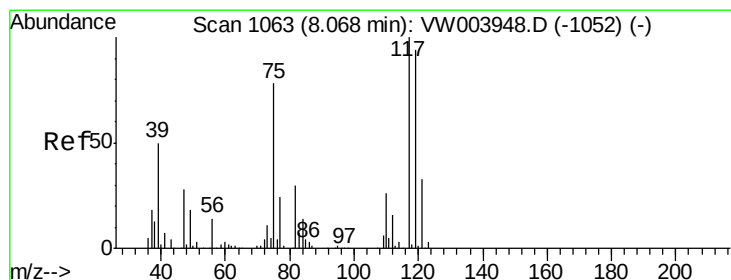
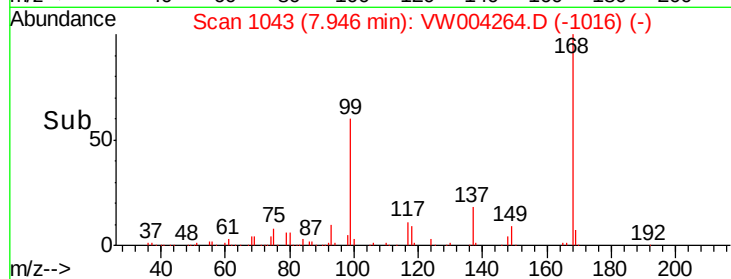
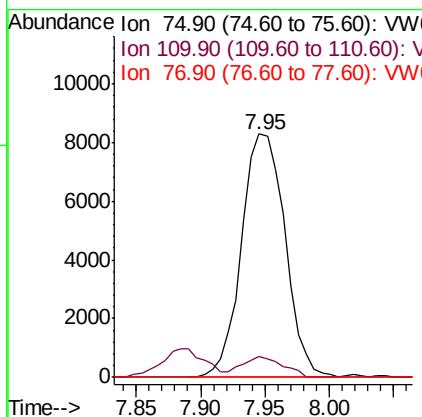
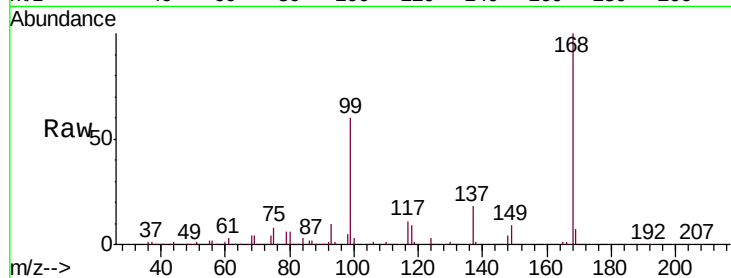




#36
 1,1-Dichloropropene
 Concen: 4.51 ug/l
 RT: 7.95 min Scan# 1043
 Delta R.T. -0.13 min
 Lab File: VW004264.D
 Acq: 27 Jul 2018 10:12

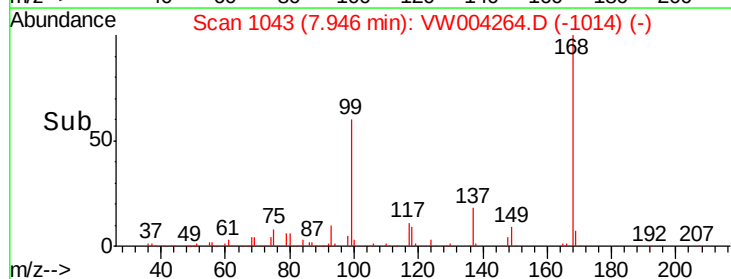
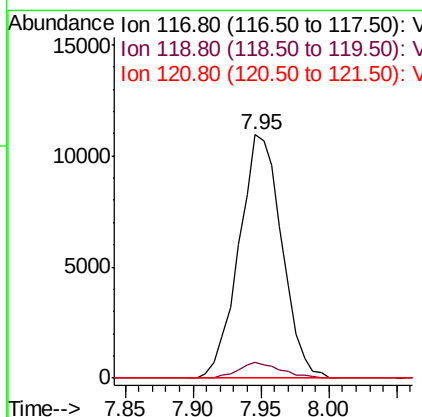
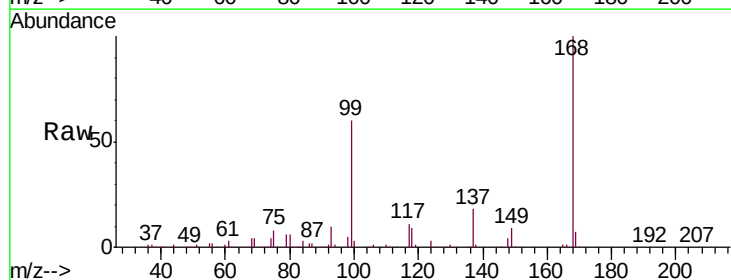
Instrument :
 MSVOA_W
 ClientSampleId :

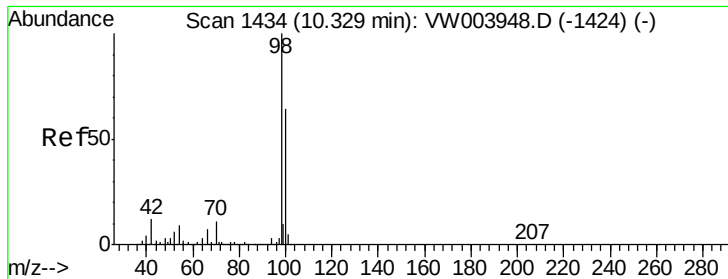
Tot Ion	Ratio	Lower	Upper
75	100		
110	7.9	17.0	51.0#
77	0.0	24.9	37.3#



#38
 Carbon Tetrachloride
 Concen: 5.99 ug/l
 RT: 7.95 min Scan# 1043
 Delta R.T. -0.12 min
 Lab File: VW004264.D
 Acq: 27 Jul 2018 10:12

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.5	75.3	112.9#
121	0.0	26.0	39.0#

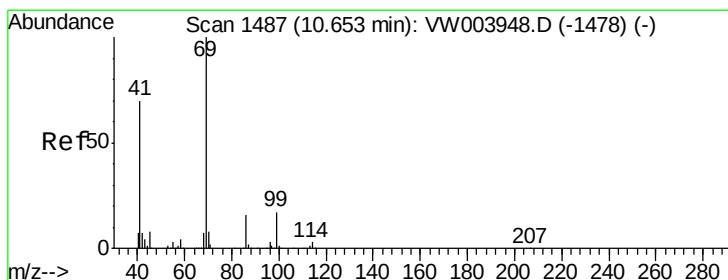
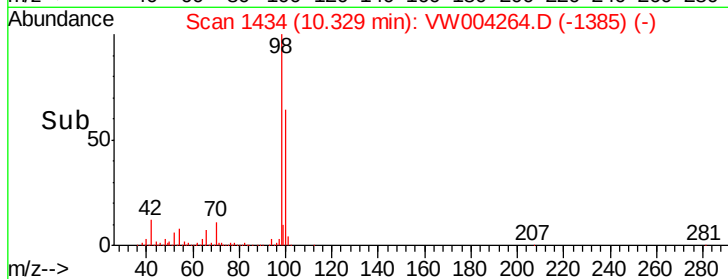
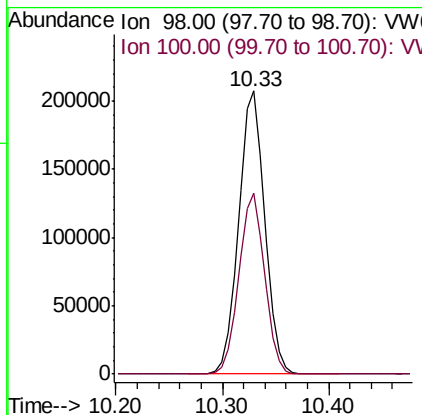
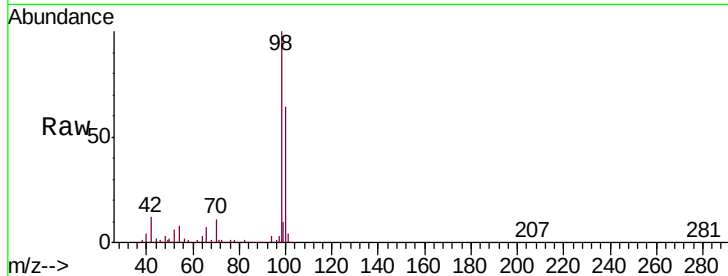




#50
Toluene-d8
Concen: 34.25 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. -0.00 min
Lab File: VW004264.D
Acq: 27 Jul 2018 10:12

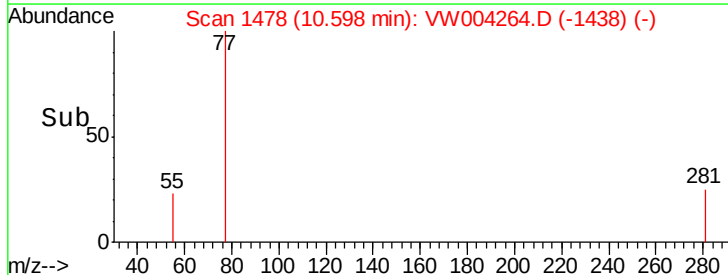
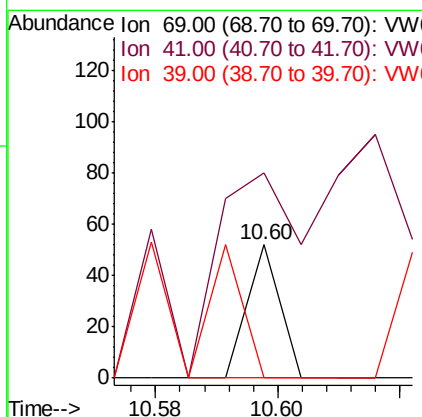
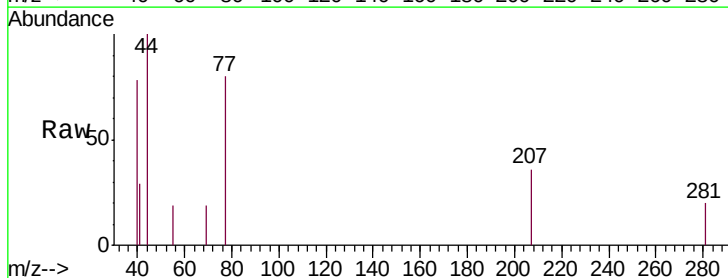
Instrument :
MSVOA_W
ClientSampleId :

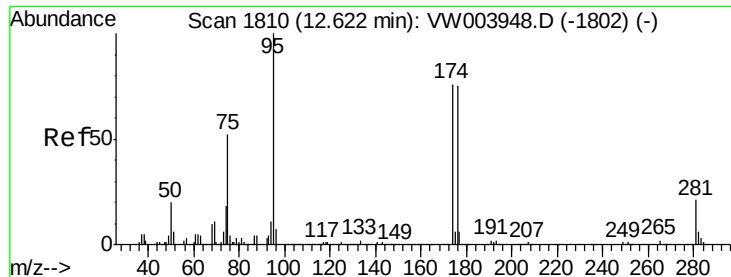
Tot Ion: 98 Resp: 356677
Ion Ratio Lower Upper
98 100
100 63.1 51.2 76.8



#56
Ethyl methacrylate
Concen: 2.95 ug/l
RT: 10.60 min Scan# 1478
Delta R.T. -0.05 min
Lab File: VW004264.D
Acq: 27 Jul 2018 10:12

Tgt Ion: 69 Resp: 19
Ion Ratio Lower Upper
69 100
41 500.0 56.5 84.7#
39 200.0 30.2 45.4#





#62

4-Bromofluorobenzene

Concen: 24.81 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.00 min

Lab File: VW004264.D

Acq: 27 Jul 2018 10:12

Instrument :

MSVOA_W

ClientSampled :

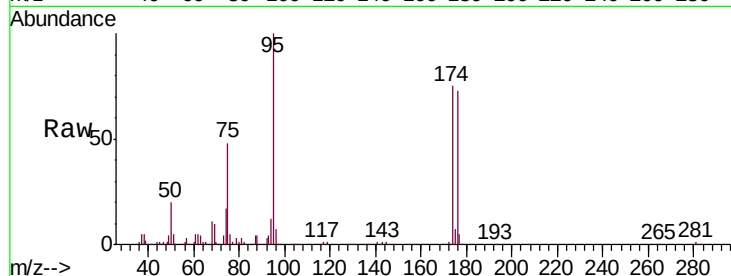
Tot Ion: 95 Resp: 93174

Ion Ratio Lower Upper

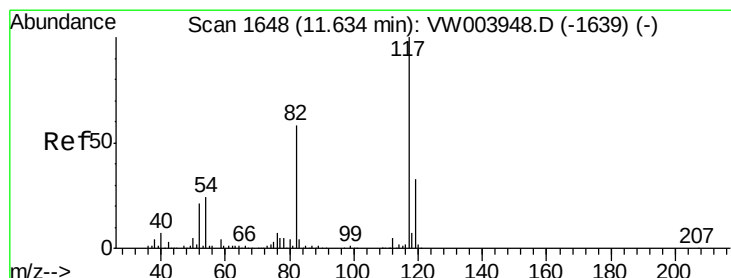
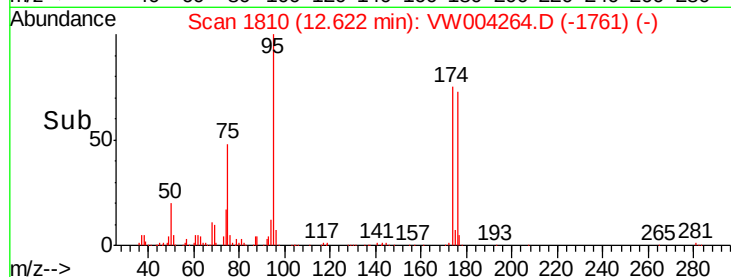
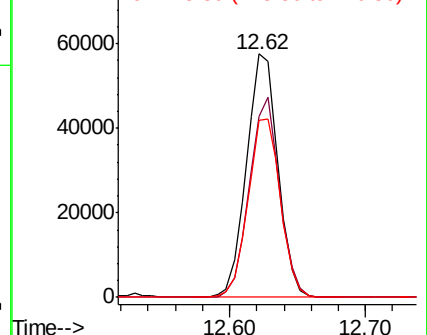
95 100

174 79.5 0.0 160.2

176 75.5 0.0 155.8



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: 50.00 ug/l

RT: 11.63 min Scan# 1648

Delta R.T. -0.00 min

Lab File: VW004264.D

Acq: 27 Jul 2018 10:12

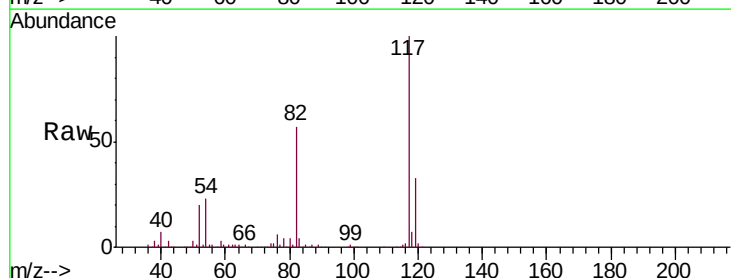
Tgt Ion: 117 Resp: 268504

Ion Ratio Lower Upper

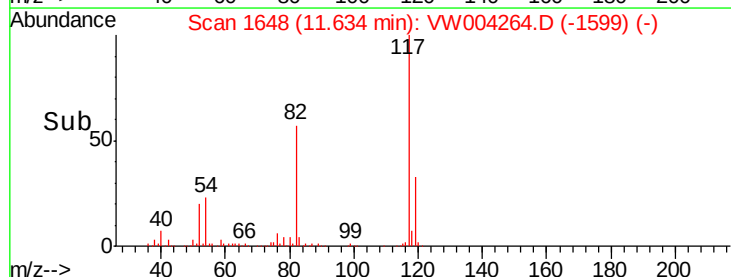
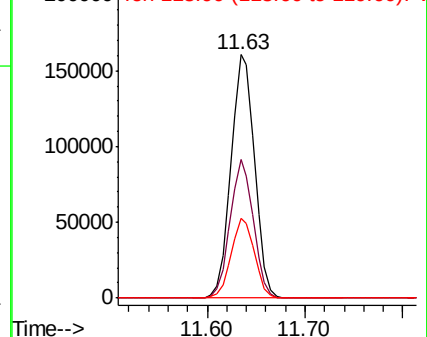
117 100

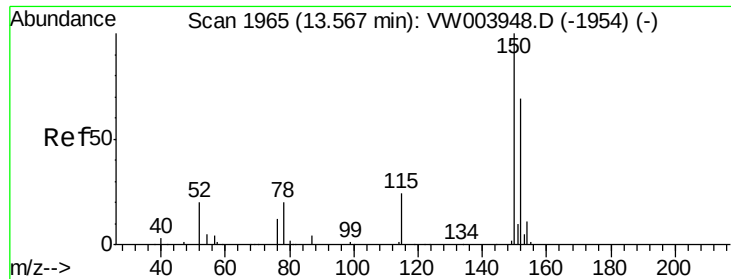
82 57.0 46.5 69.7

119 32.9 26.2 39.2



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



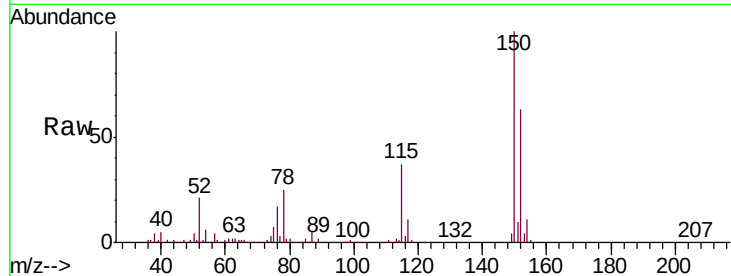


#72

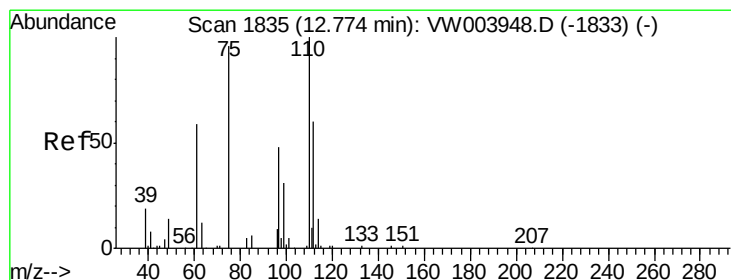
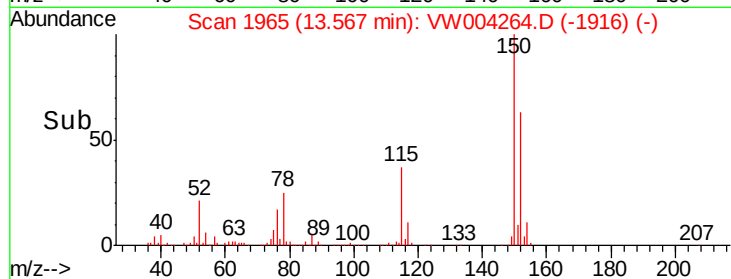
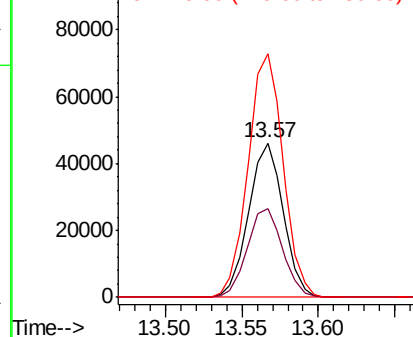
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. -0.00 min
Lab File: VW004264.D
Acq: 27 Jul 2018 10:12

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:152 Resp: 72764
Ion Ratio Lower Upper
152 100
115 58.9 29.2 87.6
150 159.4 0.0 345.2



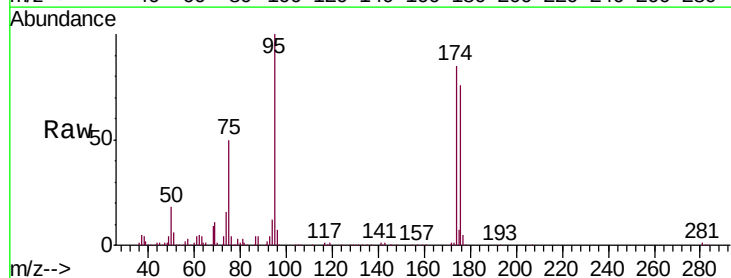
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



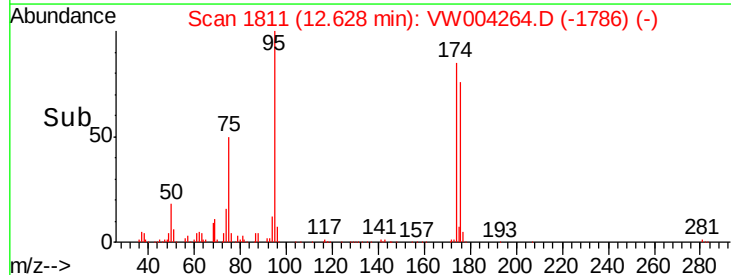
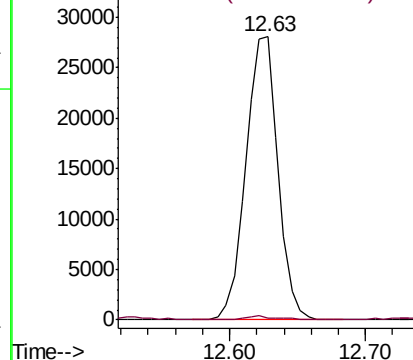
#76

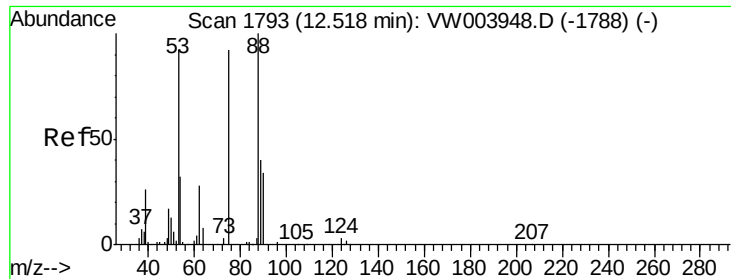
1,2,3-Trichloropropane
Concen: 64.02 ug/l
RT: 12.63 min Scan# 1811
Delta R.T. -0.15 min
Lab File: VW004264.D
Acq: 27 Jul 2018 10:12

Tgt Ion: 75 Resp: 46246
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



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

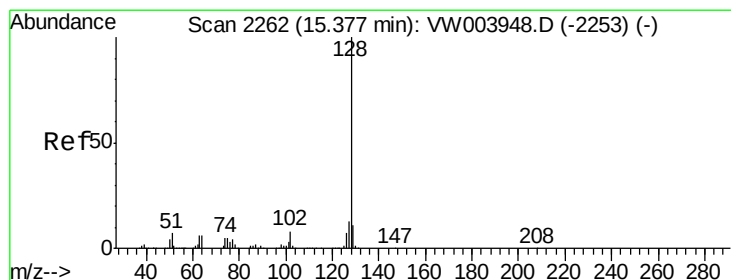
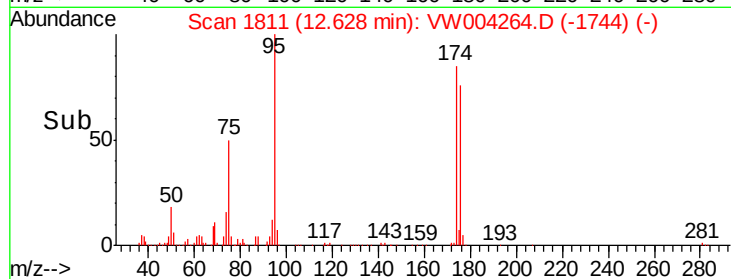
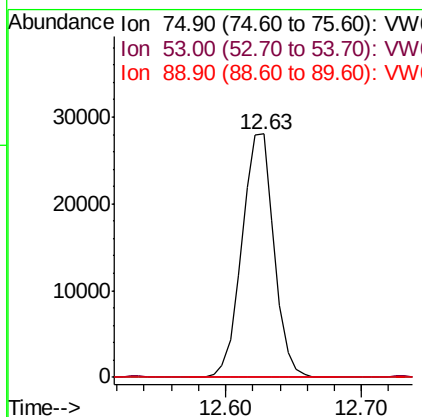
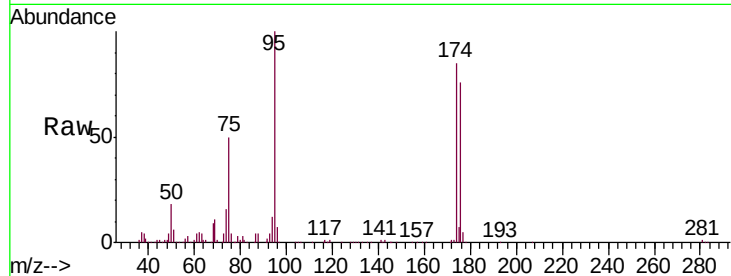




#81
trans-1,4-Dichloro-2-butene
Concen: 141.61 ug/l
RT: 12.63 min Scan# 1811
Delta R.T. 0.11 min
Lab File: VW004264.D
Acq: 27 Jul 2018 10:12

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 75 Resp: 46246
Ion Ratio Lower Upper
75 100
53 0.1 77.6 116.4#
89 0.0 36.6 54.8#



#95
Naphthalene
Concen: 2.26 ug/l
RT: 15.38 min Scan# 2262
Delta R.T. -0.00 min
Lab File: VW004264.D
Acq: 27 Jul 2018 10:12

Tgt Ion:128 Resp: 6409
Ion Ratio Lower Upper
128 100
127 15.5 10.7 16.1
129 12.0 8.7 13.1

