

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW070918\
 Data File : VW003785.D
 Acq On : 09 Jul 2018 18:36
 Operator : SY/AP
 Sample : J3891-05
 Misc : 5.01G/5ML/MSVOA W/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 72-12002-RBR-RBR-VNJ-230

Quant Time: Jul 10 01:55:59 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070718S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 07 05:07:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	71405	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	113216	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	94244	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	26206	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	151187	161.91	ug/l	0.00
Spiked Amount			Recovery	=	323.82%	
35) Dibromofluoromethane	7.88	113	135378	170.85	ug/l	0.00
Spiked Amount			Recovery	=	341.70%	
50) Toluene-d8	10.33	98	388428	128.15	ug/l	0.00
Spiked Amount			Recovery	=	256.30%	
62) 4-Bromofluorobenzene	12.62	95	95537	87.11	ug/l	0.00
Spiked Amount			Recovery	=	174.22%	

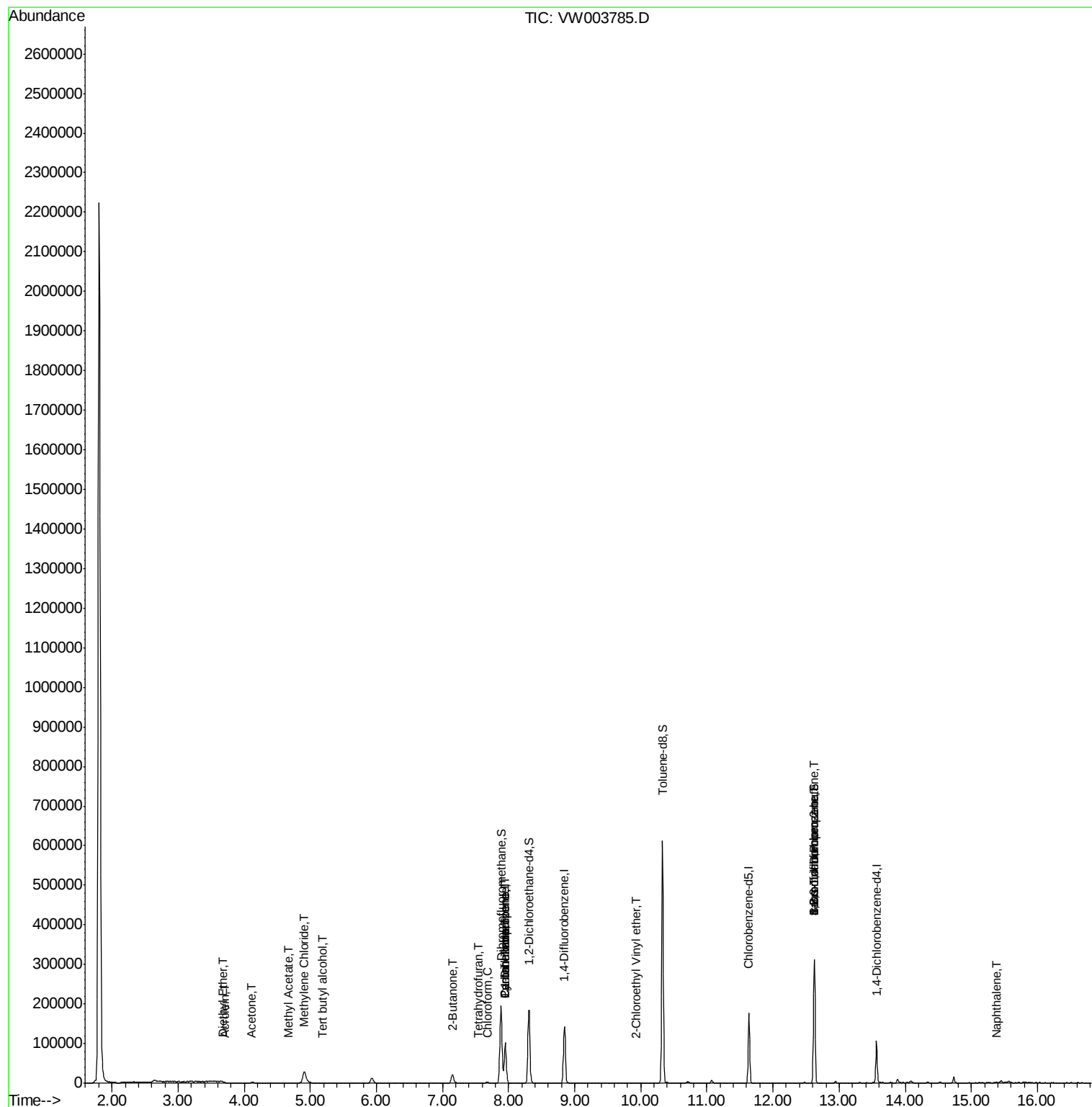
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	1161	3.225	ug/l	72
11) Tert butyl alcohol	5.18	59	256	5.059	ug/l #	70
13) Acrolein	3.71	56	19	4.964	ug/l #	14
16) Acetone	4.11	43	3225	19.906	ug/l #	85
18) Methyl Acetate	4.67	43	524	1.147	ug/l #	77
20) Methylene Chloride	4.91	84	25341	30.375	ug/l	98
25) 2-Butanone	7.15	43	1275	5.025	ug/l #	81
29) Tetrahydrofuran	7.53	42	504	3.090	ug/l #	88
30) Chloroform	7.68	83	1783	1.127	ug/l	92
31) Cyclohexane	7.95	56	2228	1.635	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	6271	5.220	ug/l #	48
38) Carbon Tetrachloride	7.95	117	7425	6.501	ug/l #	17
58) 2-Chloroethyl Vinyl ether	9.93	63	21	13.215	ug/l #	49
71) Bromoform	12.62	173	507	1.265	ug/l #	29
76) 1,2,3-Trichloropropane	12.62	75	51370	199.620	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	51370	488.319	ug/l #	8
95) Naphthalene	15.38	128	1235	1.271	ug/l #	87

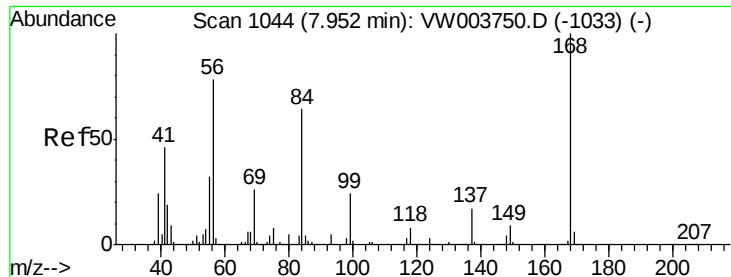
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW070918\
Data File : VW003785.D
Acq On : 09 Jul 2018 18:36
Operator : SY/AP
Sample : J3891-05
Misc : 5.01G/5ML/MSVOA W/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
72-12002-RBR-RBR-VNJ-230

Quant Time: Jul 10 01:55:59 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W070718S.M
Quant Title : SW846 8260
QLast Update : Sat Jul 07 05:07:25 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VW003785.D

Acq: 09 Jul 2018 18:36

Instrument :

MSVOA_W

ClientSampleId :

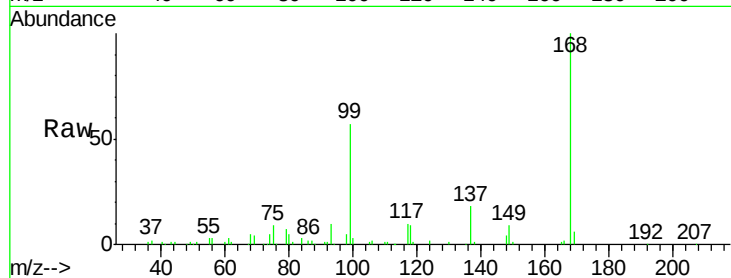
72-12002-RBR-RBR-VNJ-230

Tot Ion:168 Resp: 71405

Ion Ratio Lower Upper

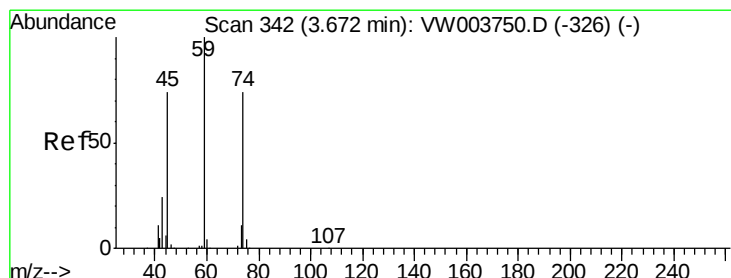
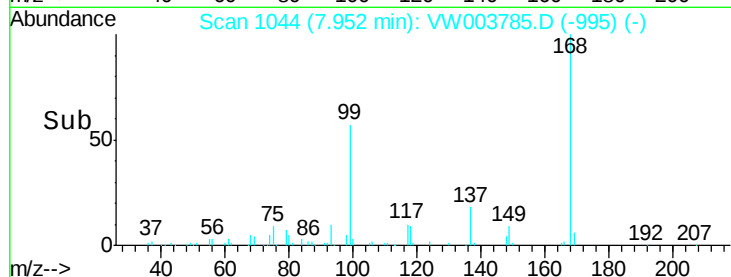
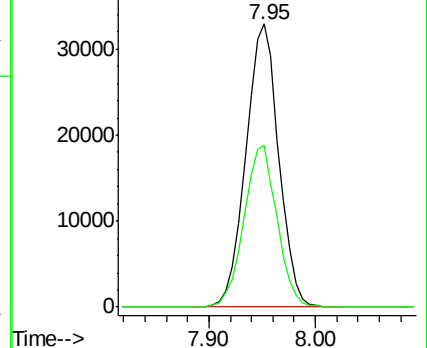
168 100

99 57.3 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#8

Diethyl Ether

Concen: 3.225 ug/l

RT: 3.68 min Scan# 343

Delta R.T. 0.01 min

Lab File: VW003785.D

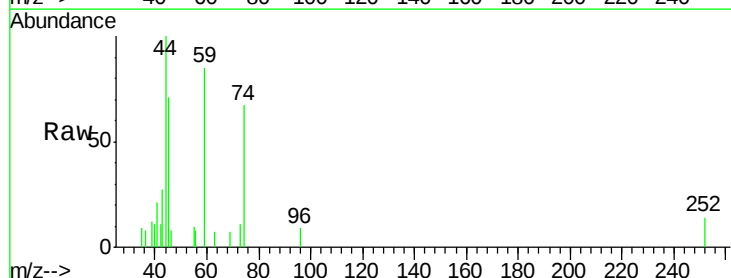
Acq: 09 Jul 2018 18:36

Tgt Ion: 74 Resp: 1161

Ion Ratio Lower Upper

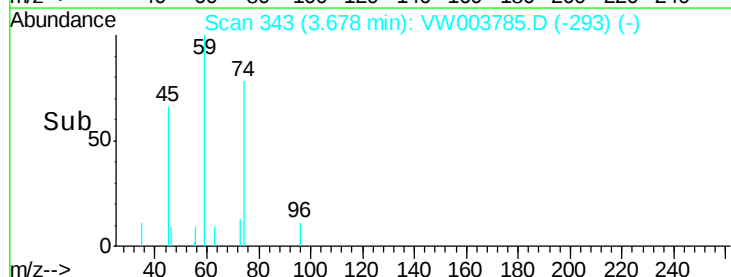
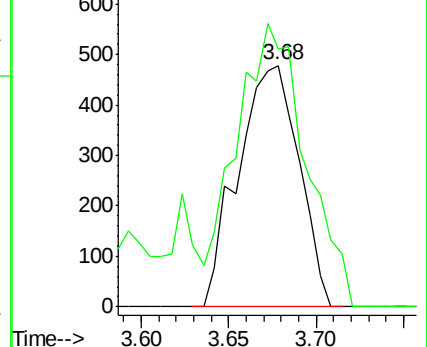
74 100

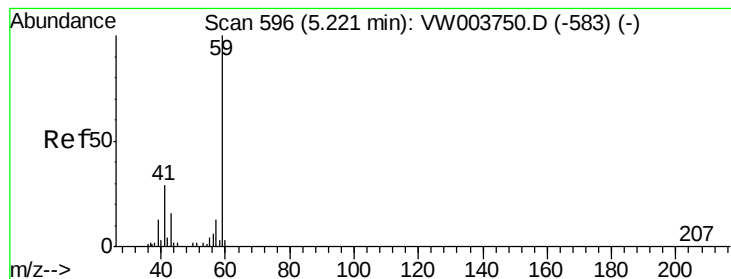
45 133.6 52.4 157.2



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW



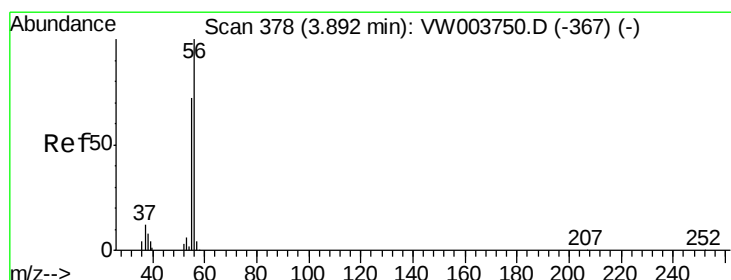
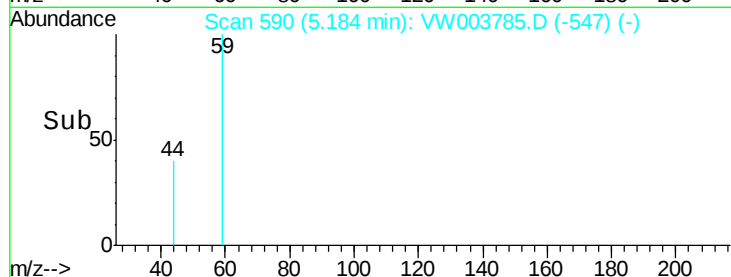
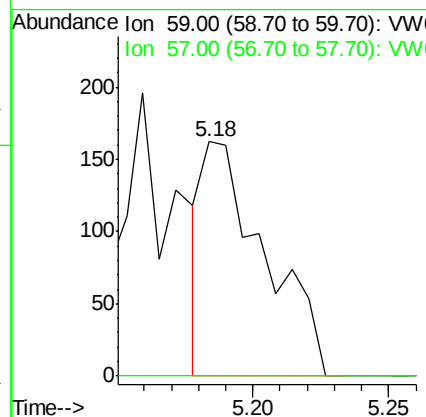
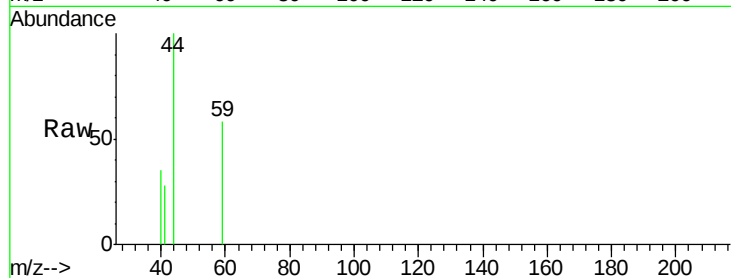


#11

Tert butyl alcohol
 Concen: 5.059 ug/l
 RT: 5.18 min Scan# 590
 Delta R.T. -0.04 min
 Lab File: VW003785.D
 Acq: 09 Jul 2018 18:36

Instrument :
 MSVOA_W
 ClientSampleId :
 72-12002-RBR-RBR-VNJ-230

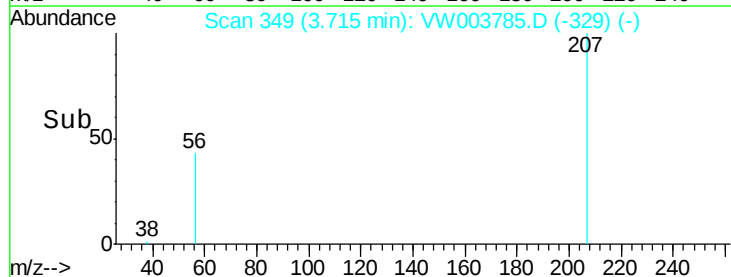
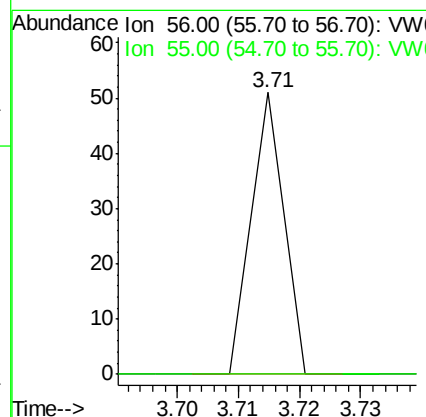
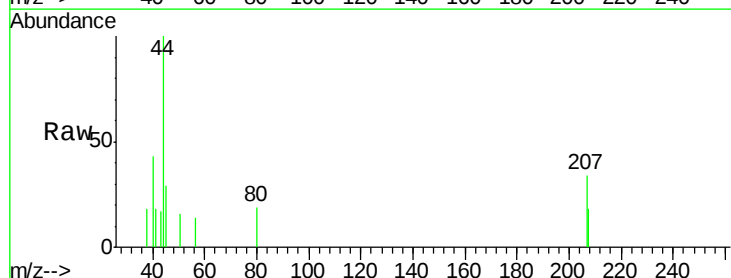
Tot Ion: 59 Resp: 256
 Ion Ratio Lower Upper
 59 100
 57 0.0 9.3 13.9#

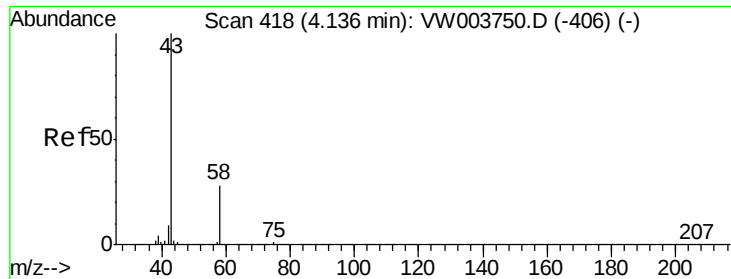


#13

Acrolein
 Concen: 4.964 ug/l
 RT: 3.71 min Scan# 349
 Delta R.T. -0.18 min
 Lab File: VW003785.D
 Acq: 09 Jul 2018 18:36

Tgt Ion: 56 Resp: 19
 Ion Ratio Lower Upper
 56 100
 55 0.0 57.5 86.3#





#16

Acetone

Concen: 19.906 ug/l

RT: 4.11 min Scan# 414

Delta R.T. -0.02 min

Lab File: VW003785.D

Acq: 09 Jul 2018 18:36

Instrument :

MSVOA_W

ClientSampleId :

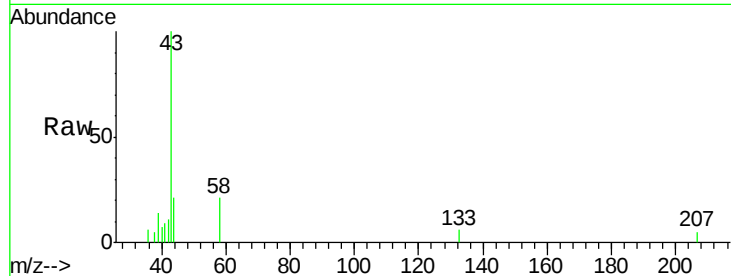
72-12002-RBR-RBR-VNJ-230

Tot Ion: 43 Resp: 3225

Ion Ratio Lower Upper

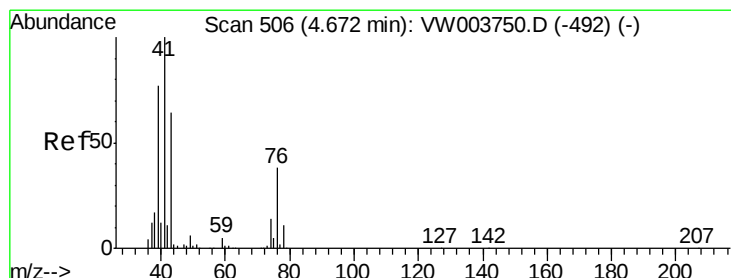
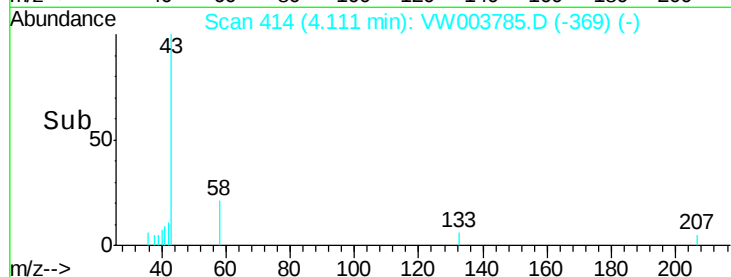
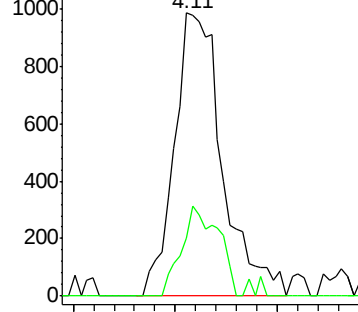
43 100

58 20.6 22.6 34.0#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#18

Methyl Acetate

Concen: 1.147 ug/l

RT: 4.67 min Scan# 506

Delta R.T. -0.00 min

Lab File: VW003785.D

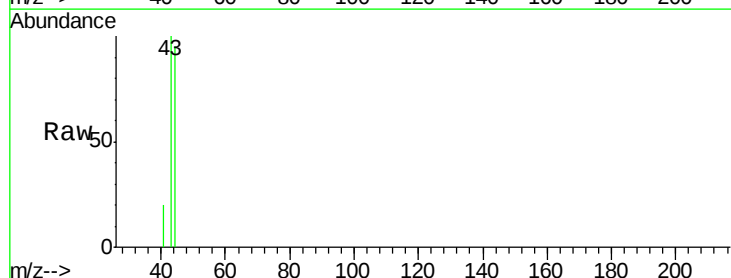
Acq: 09 Jul 2018 18:36

Tgt Ion: 43 Resp: 524

Ion Ratio Lower Upper

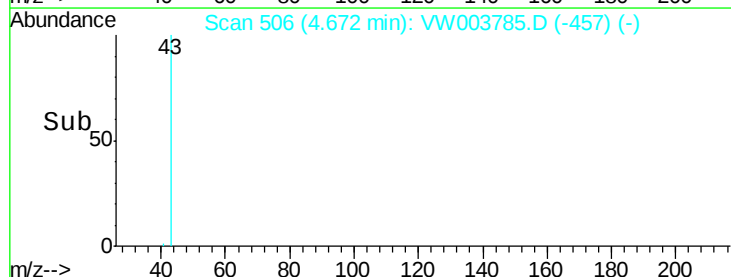
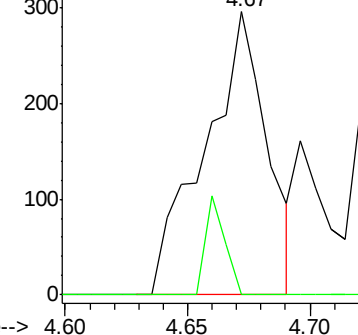
43 100

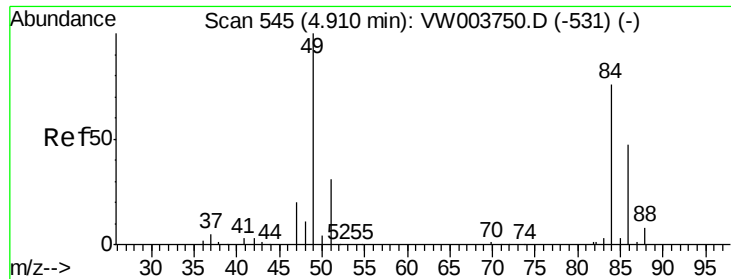
74 10.9 17.3 25.9#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

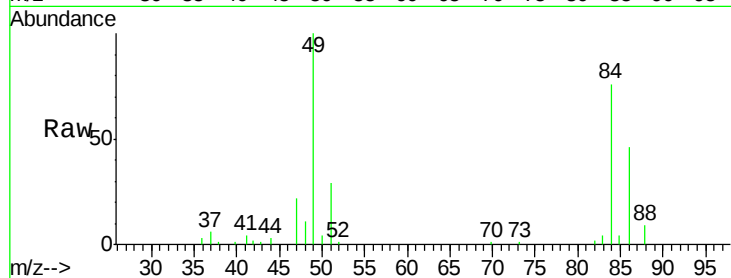




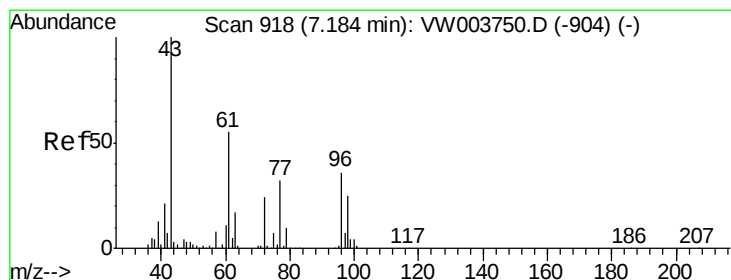
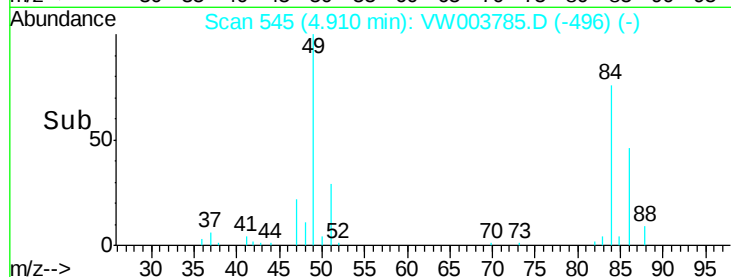
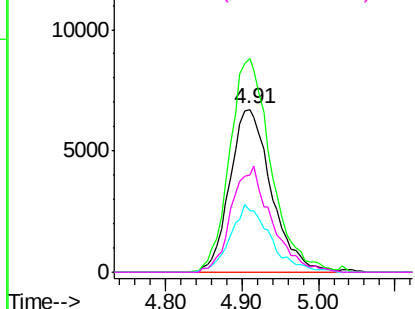
#20
Methylene Chloride
Concen: 30.375 ug/l
RT: 4.91 min Scan# 545
Delta R.T. 0.00 min
Lab File: VW003785.D
Acq: 09 Jul 2018 18:36

Instrument :
MSVOA_W
ClientSampleId :
72-12002-RBR-RBR-VNJ-230

Tot Ion: 84 Resp: 25341
Ion Ratio Lower Upper
84 100
49 131.4 105.1 157.7
51 37.9 32.5 48.7
86 59.8 49.8 74.6

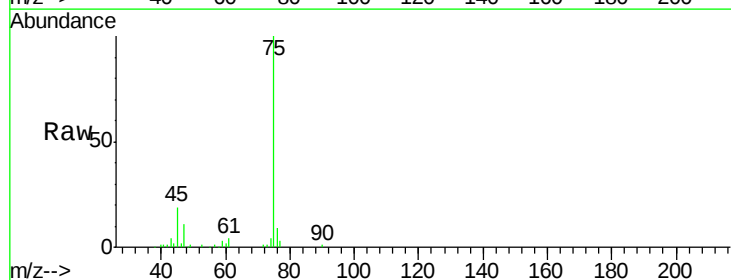


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

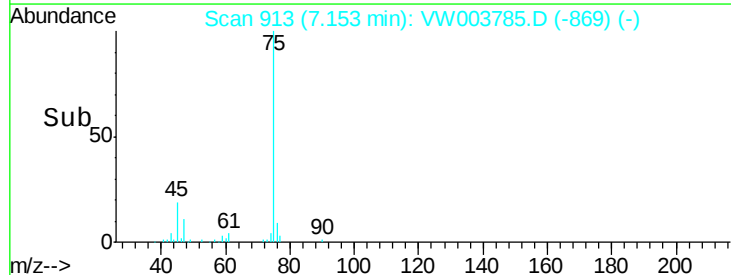
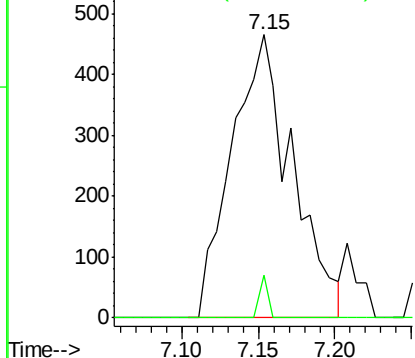


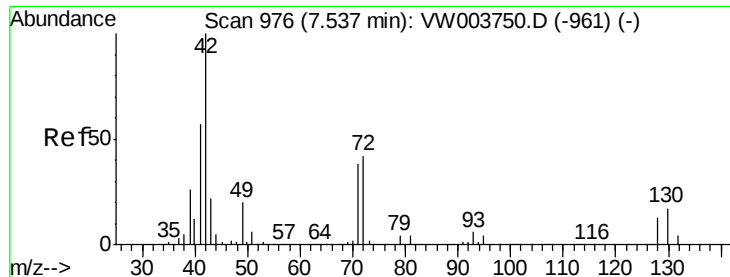
#25
2-Butanone
Concen: 5.025 ug/l
RT: 7.15 min Scan# 913
Delta R.T. -0.03 min
Lab File: VW003785.D
Acq: 09 Jul 2018 18:36

Tgt Ion: 43 Resp: 1275
Ion Ratio Lower Upper
43 100
72 15.1 19.4 29.2#



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

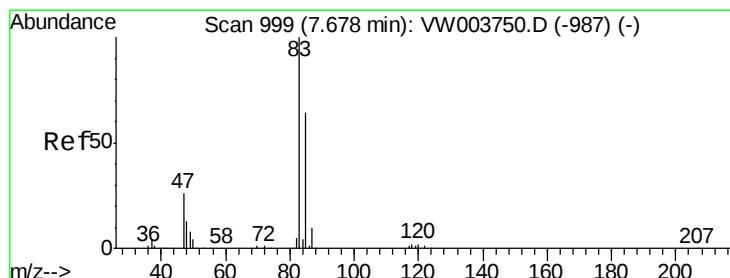
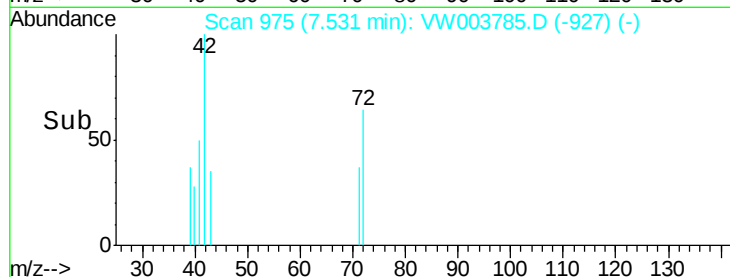
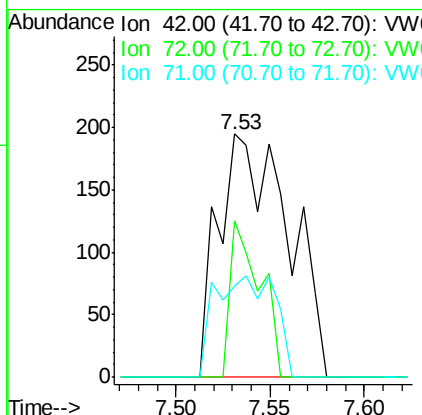
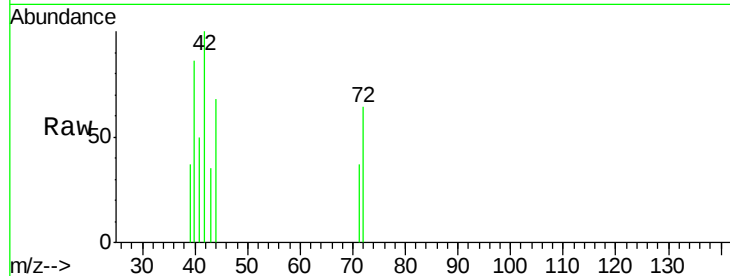




#29
Tetrahydrofuran
Concen: 3.090 ug/l
RT: 7.53 min Scan# 975
Delta R.T. -0.01 min
Lab File: VW003785.D
Acq: 09 Jul 2018 18:36

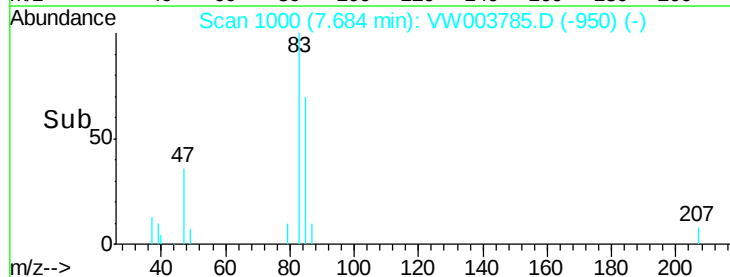
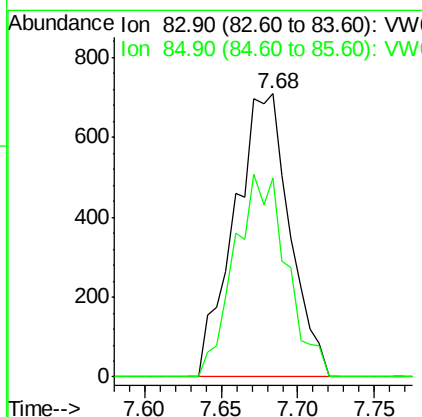
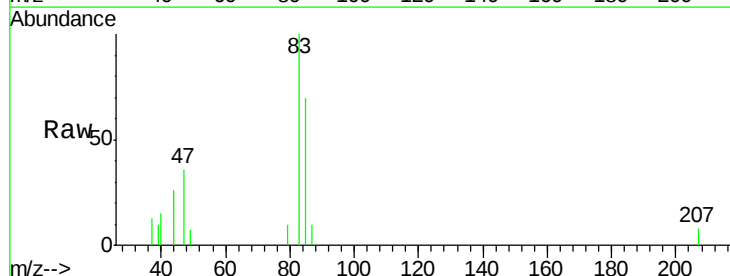
Instrument :
MSVOA_W
ClientSampleId :
72-12002-RBR-RBR-VNJ-230

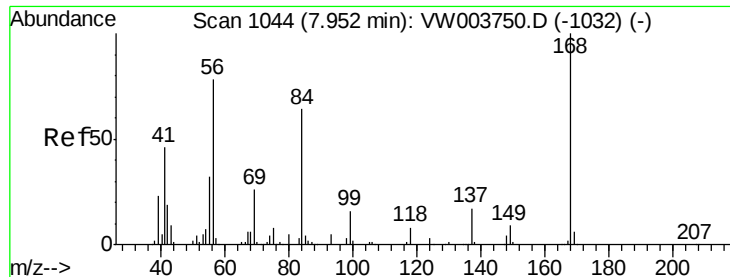
Tot Ion: 42 Resp: 504
Ion Ratio Lower Upper
42 100
72 27.4 31.8 47.8#
71 35.5 30.3 45.5



#30
Chloroform
Concen: 1.127 ug/l
RT: 7.68 min Scan# 1000
Delta R.T. 0.01 min
Lab File: VW003785.D
Acq: 09 Jul 2018 18:36

Tgt Ion: 83 Resp: 1783
Ion Ratio Lower Upper
83 100
85 70.4 51.5 77.3

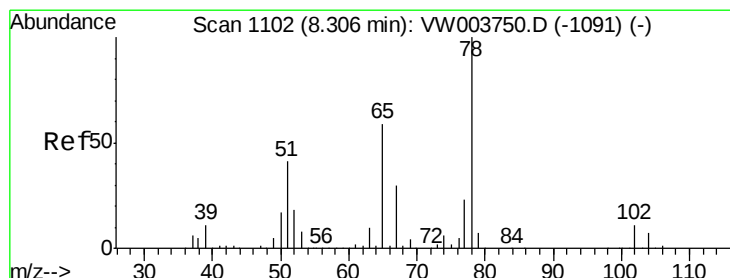
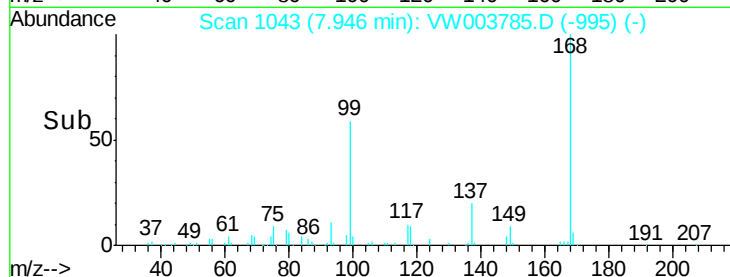
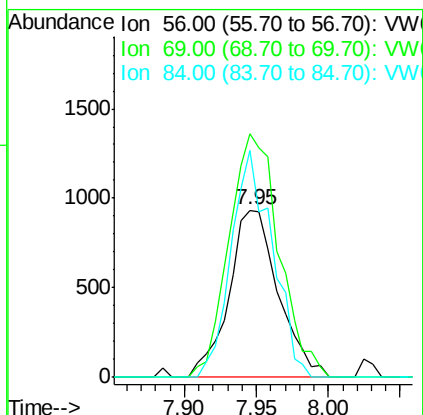
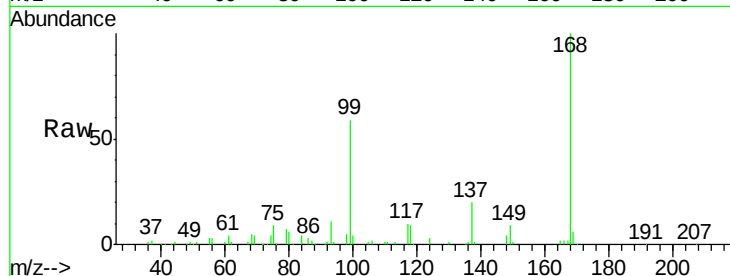




#31
Cyclohexane
Concen: 1.635 ug/l
RT: 7.95 min Scan# 1043
Delta R.T. -0.01 min
Lab File: VW003785.D
Acq: 09 Jul 2018 18:36

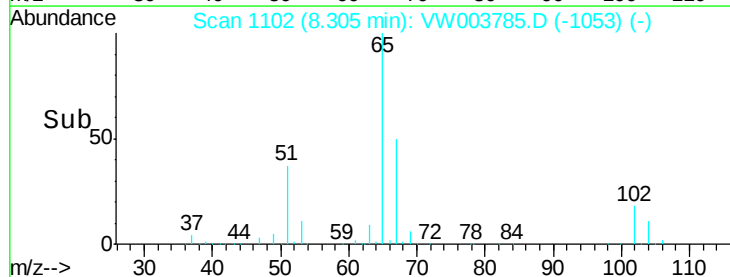
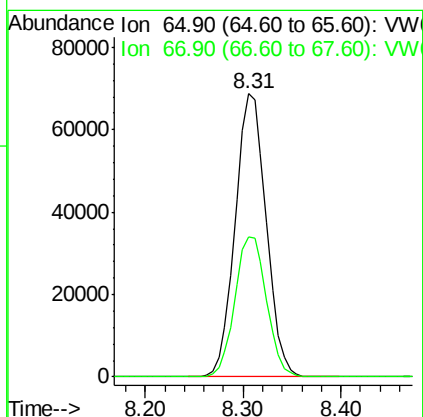
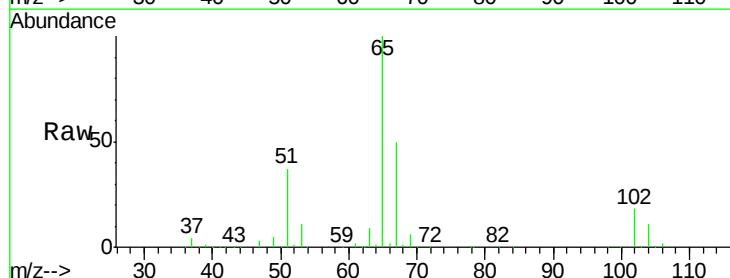
Instrument :
MSVOA_W
ClientSampleId :
72-12002-RBR-RBR-VNJ-230

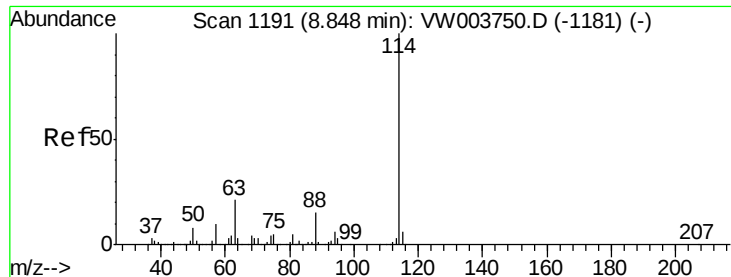
Tot Ion: 56 Resp: 2228
Ion Ratio Lower Upper
56 100
69 145.8 26.2 39.4#
84 135.9 65.5 98.3#



#33
1,2-Dichloroethane-d4
Concen: 161.909 ug/l
RT: 8.31 min Scan# 1102
Delta R.T. -0.00 min
Lab File: VW003785.D
Acq: 09 Jul 2018 18:36

Tgt Ion: 65 Resp: 151187
Ion Ratio Lower Upper
65 100
67 50.6 0.0 103.8

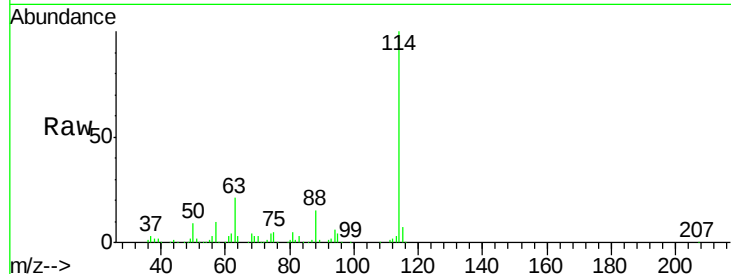




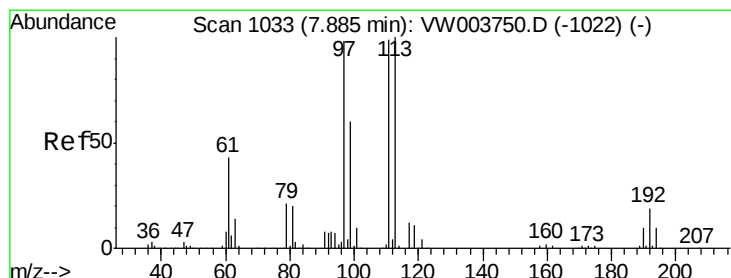
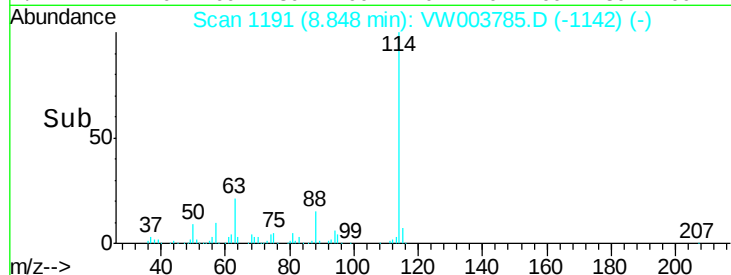
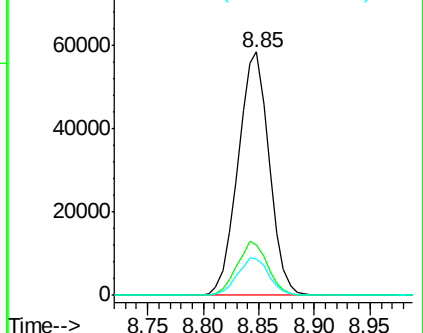
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. -0.00 min
 Lab File: VW003785.D
 Acq: 09 Jul 2018 18:36

Instrument :
 MSVOA_W
 ClientSampleId :
 72-12002-RBR-RBR-VNJ-230

Tot Ion	Ratio	Lower	Upper
114	100		
63	20.7	0.0	41.8
88	14.9	0.0	30.2

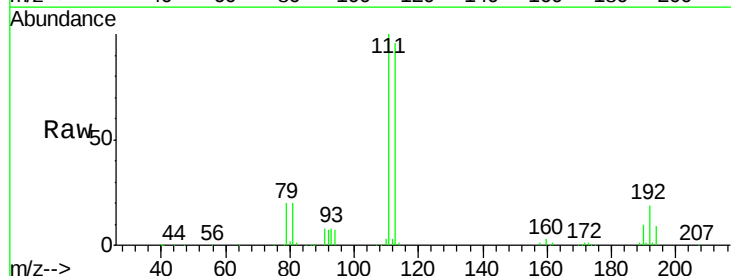


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

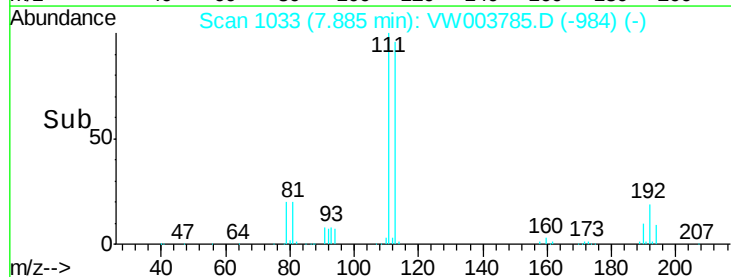
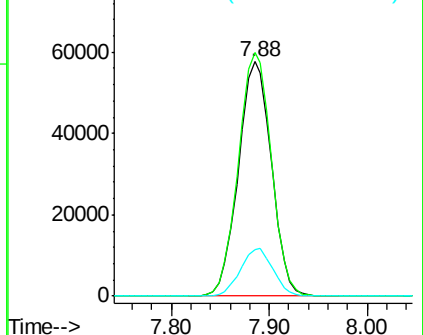


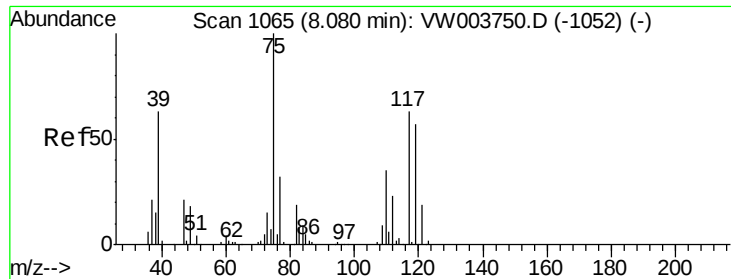
#35
 Dibromofluoromethane
 Concen: 170.850 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. -0.00 min
 Lab File: VW003785.D
 Acq: 09 Jul 2018 18:36

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.9	81.7	122.5
192	20.2	15.8	23.8



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

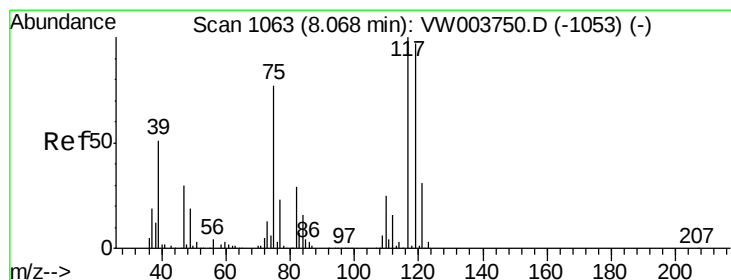
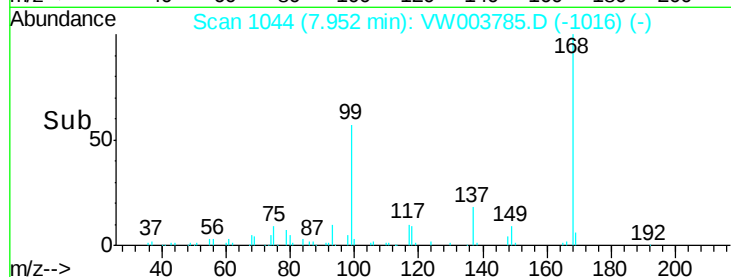
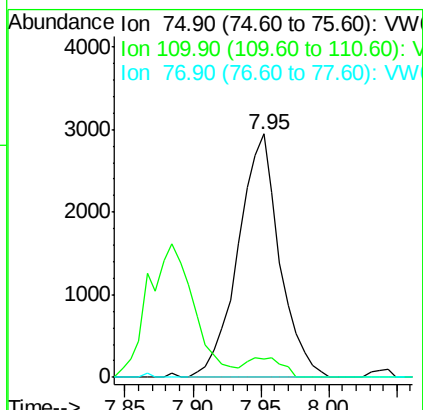
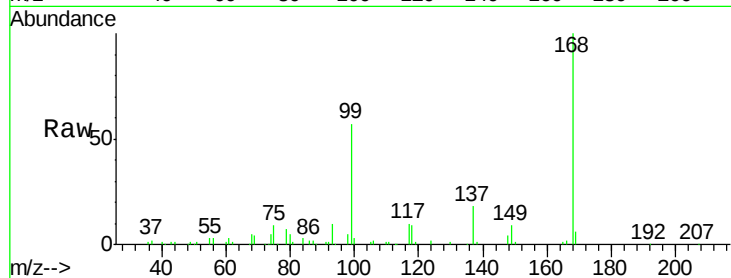




#36
 1,1-Dichloropropene
 Concen: 5.220 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.13 min
 Lab File: VW003785.D
 Acq: 09 Jul 2018 18:36

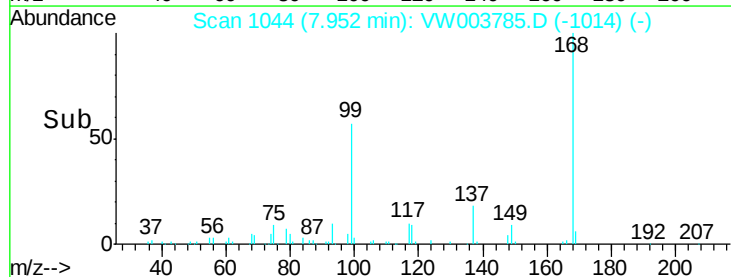
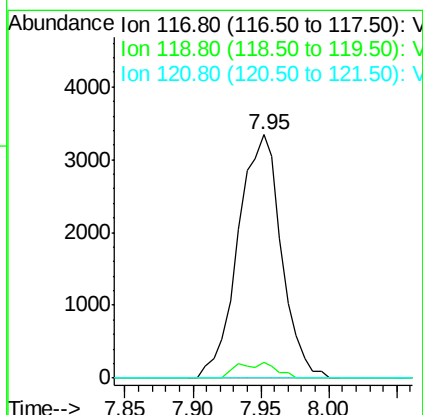
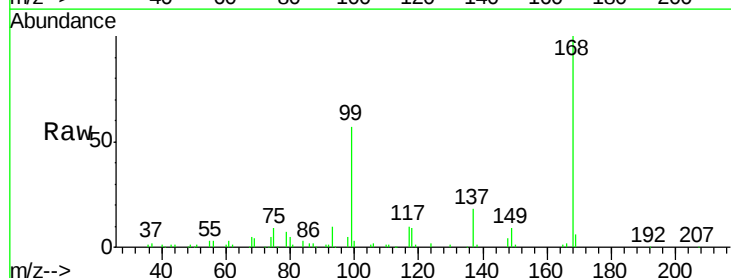
Instrument :
 MSVOA_W
 ClientSampleId :
 72-12002-RBR-RBR-VNJ-230

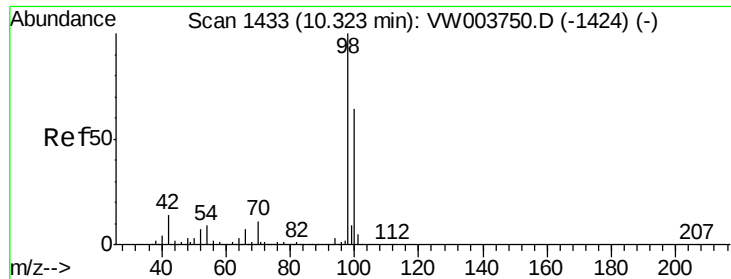
Tot Ion: 75 Resp: 6271
 Ion Ratio Lower Upper
 75 100
 110 6.8 16.9 50.6#
 77 0.0 24.8 37.2#



#38
 Carbon Tetrachloride
 Concen: 6.501 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.12 min
 Lab File: VW003785.D
 Acq: 09 Jul 2018 18:36

Tgt Ion: 117 Resp: 7425
 Ion Ratio Lower Upper
 117 100
 119 6.7 77.4 116.2#
 121 0.0 24.6 37.0#





#50

Toluene-d8

Concen: 128.150 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.01 min

Lab File: VW003785.D

Acq: 09 Jul 2018 18:36

Instrument :

MSVOA_W

ClientSampleId :

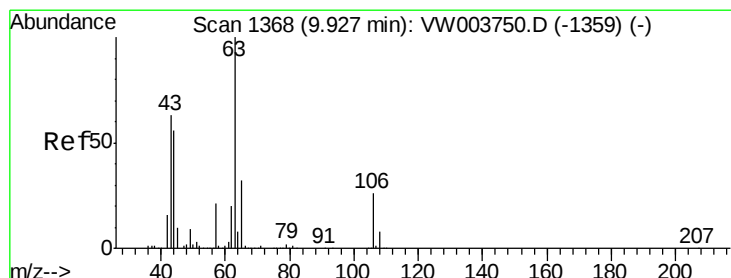
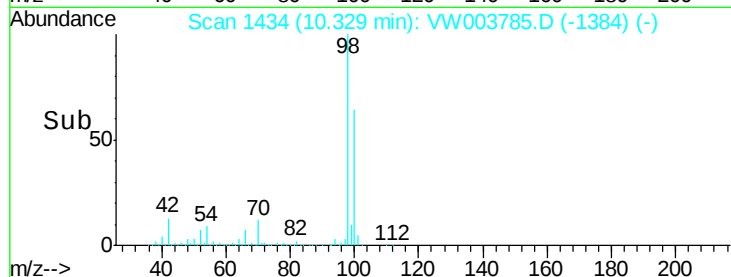
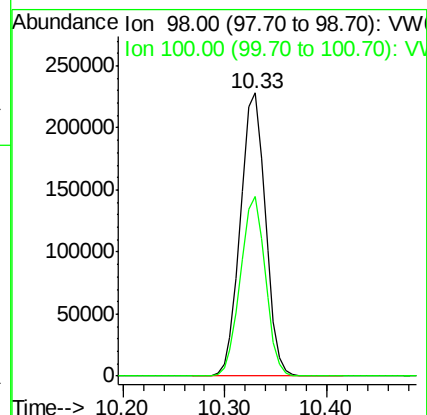
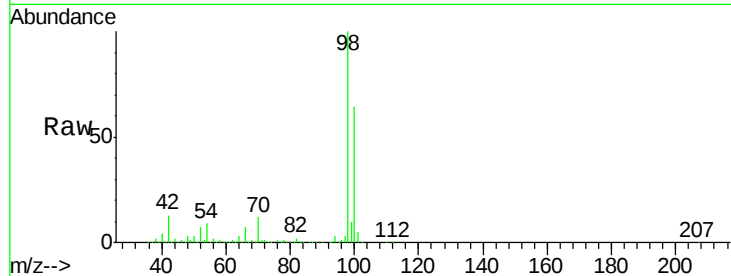
72-12002-RBR-RBR-VNJ-230

Tot Ion: 98 Resp: 388428

Ion Ratio Lower Upper

98 100

100 62.9 50.8 76.2



#58

2-Chloroethyl Vinyl ether

Concen: 13.215 ug/l

RT: 9.93 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VW003785.D

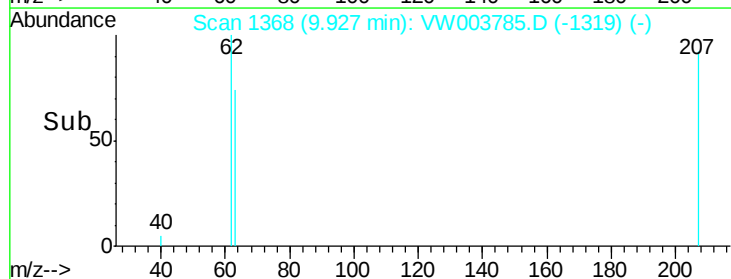
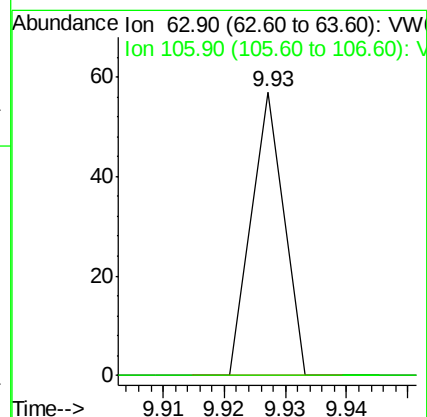
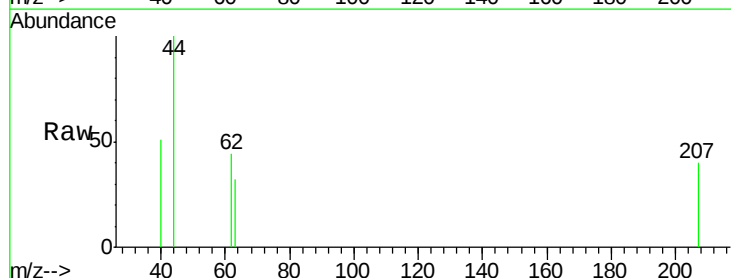
Acq: 09 Jul 2018 18:36

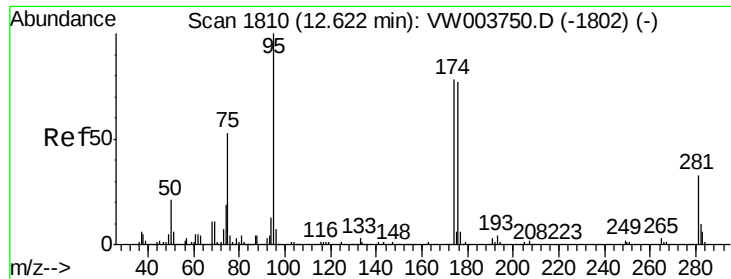
Tgt Ion: 63 Resp: 21

Ion Ratio Lower Upper

63 100

106 0.0 20.9 31.3#

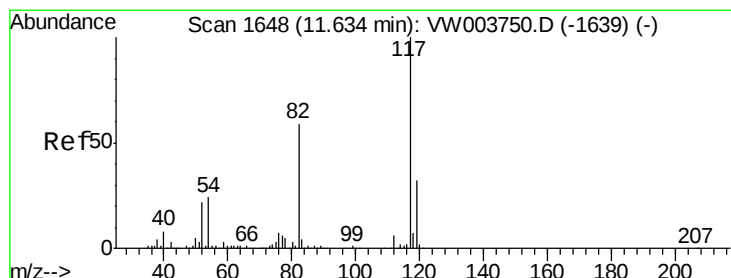
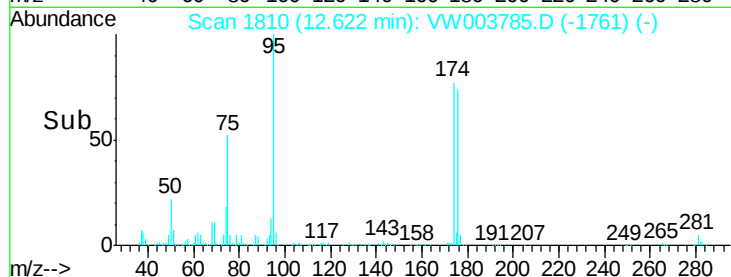
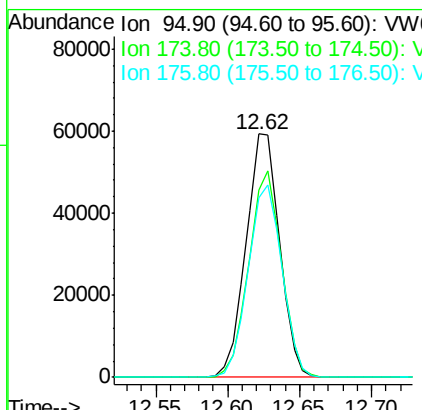
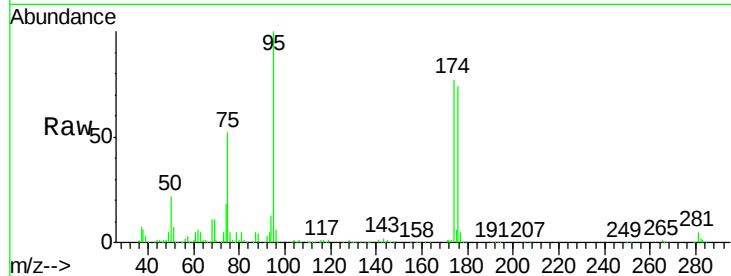




#62
4-Bromofluorobenzene
Concen: 87.115 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. -0.00 min
Lab File: VW003785.D
Acq: 09 Jul 2018 18:36

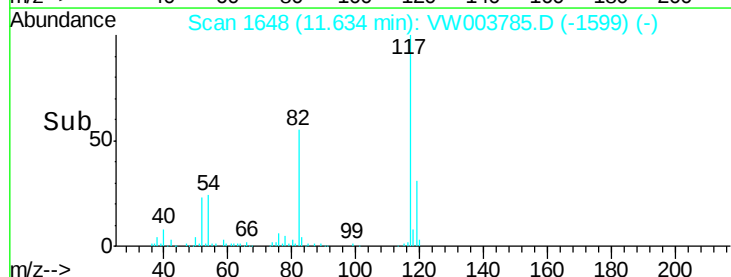
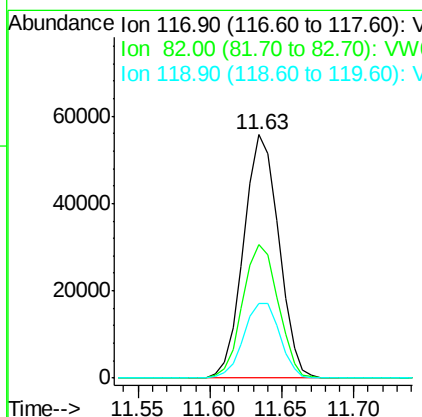
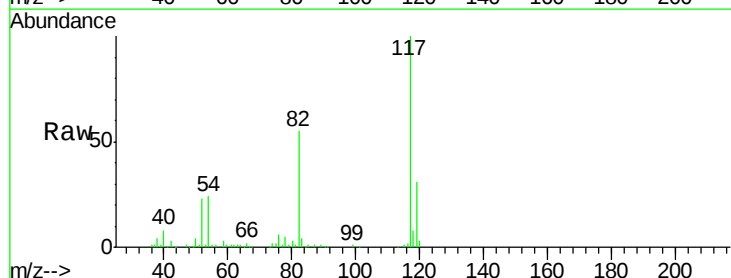
Instrument :
MSVOA_W
ClientSampleId :
72-12002-RBR-RBR-VNJ-230

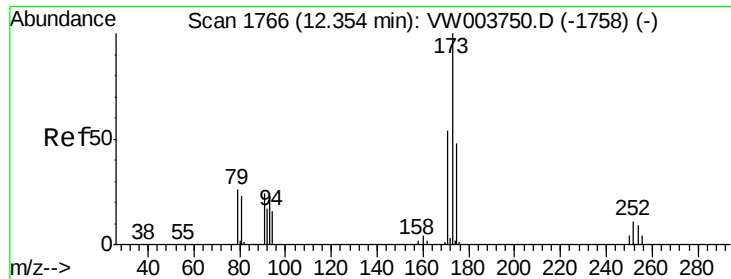
Tot Ion	95	Resp	95537
Ion Ratio	100		
Lower			
Upper			
174	82.6	0.0	163.4
176	79.4	0.0	156.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.00 min
Lab File: VW003785.D
Acq: 09 Jul 2018 18:36

Tgt Ion	117	Resp	94244
Ion Ratio <td>100</td> <td></td> <td></td>	100		
Lower			
Upper			
82	54.8	46.9	70.3
119	30.8	25.5	38.3





#71

Bromoform

Concen: 1.265 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.27 min

Lab File: VW003785.D

Acq: 09 Jul 2018 18:36

Instrument :

MSVOA_W

ClientSampleId :

72-12002-RBR-RBR-VNJ-230

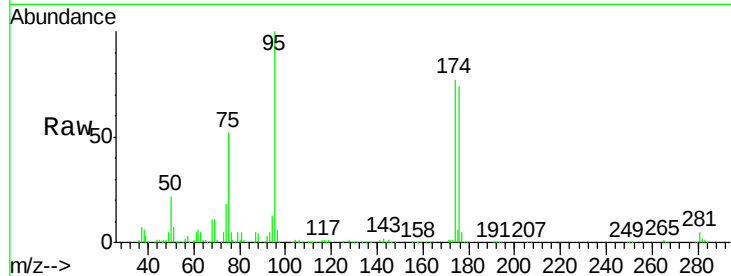
Tot Ion:173 Resp: 507

Ion Ratio Lower Upper

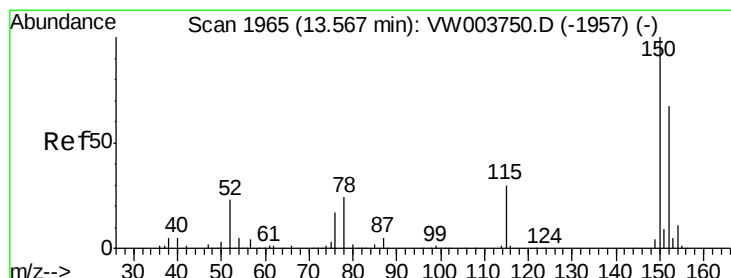
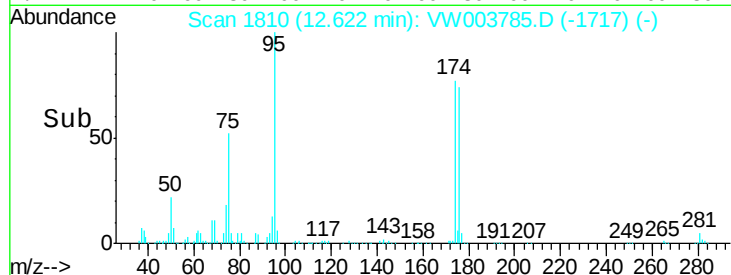
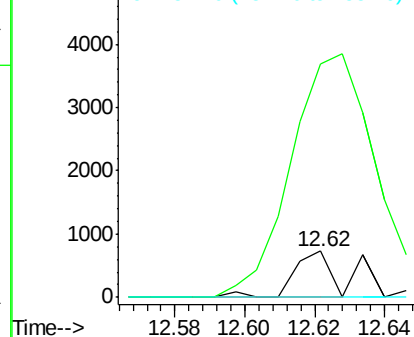
173 100

175 0.0 24.1 72.4#

254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VW003785.D

Acq: 09 Jul 2018 18:36

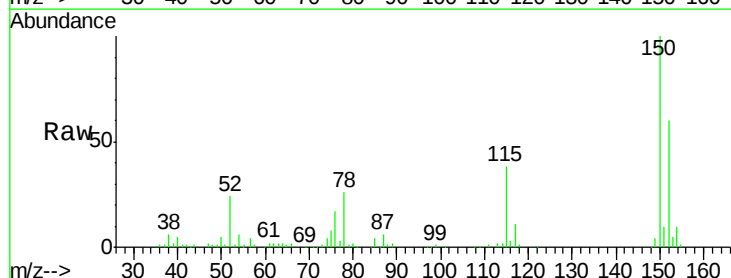
Tgt Ion:152 Resp: 26206

Ion Ratio Lower Upper

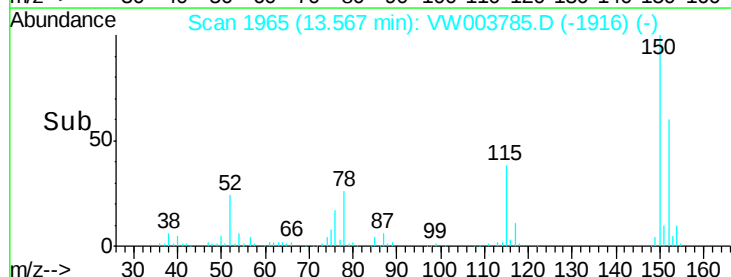
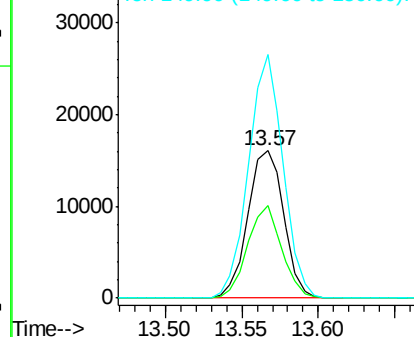
152 100

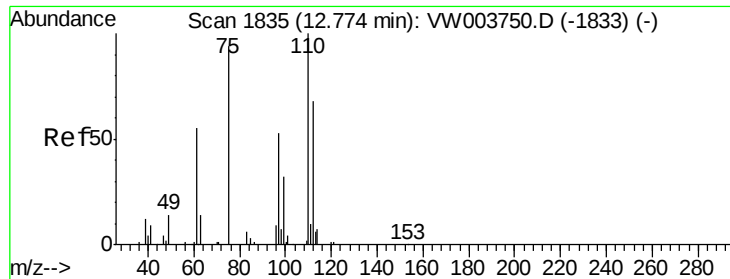
115 59.9 28.9 86.8

150 158.4 0.0 342.4



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: 199.620 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.15 min

Lab File: VW003785.D

Acq: 09 Jul 2018 18:36

Instrument :

MSVOA_W

ClientSampleId :

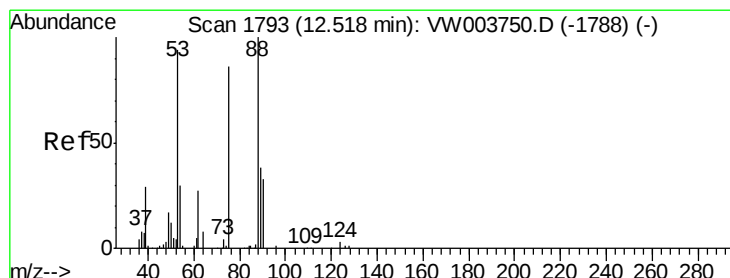
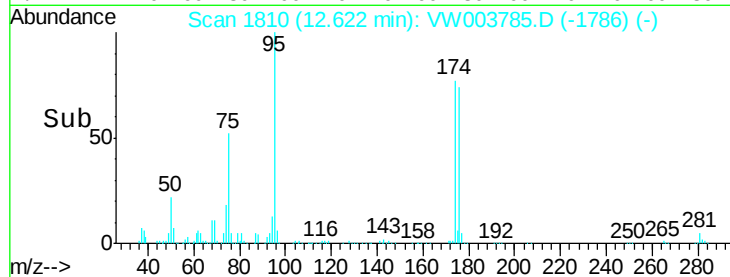
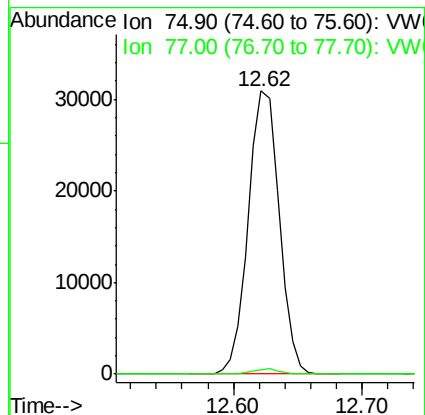
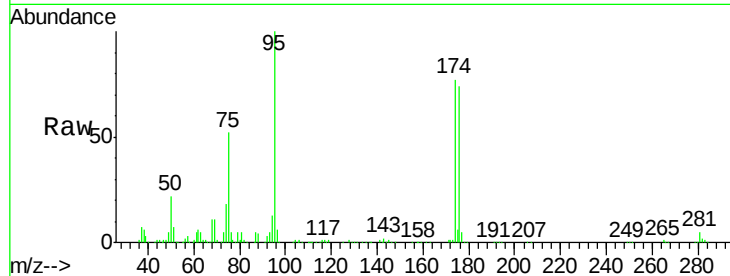
72-12002-RBR-RBR-VNJ-230

Tot Ion: 75 Resp: 51370

Ion Ratio Lower Upper

75 100

77 1.6 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 488.319 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.10 min

Lab File: VW003785.D

Acq: 09 Jul 2018 18:36

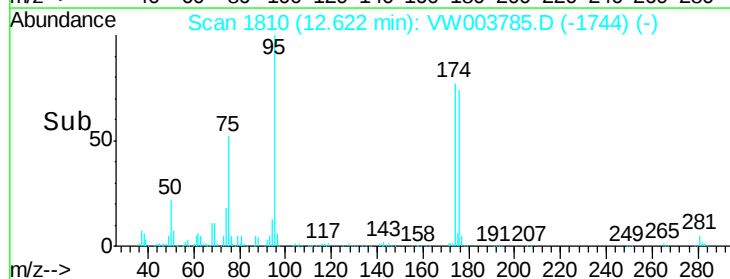
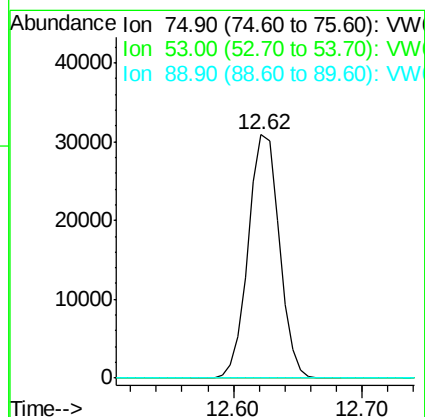
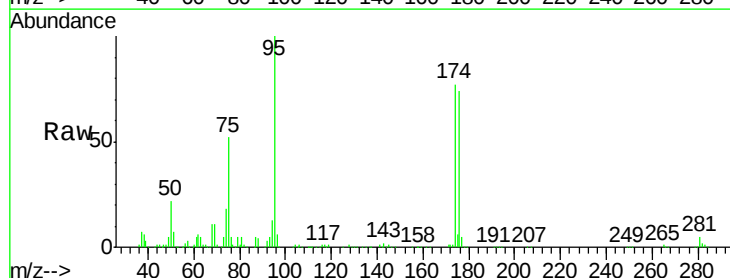
Tgt Ion: 75 Resp: 51370

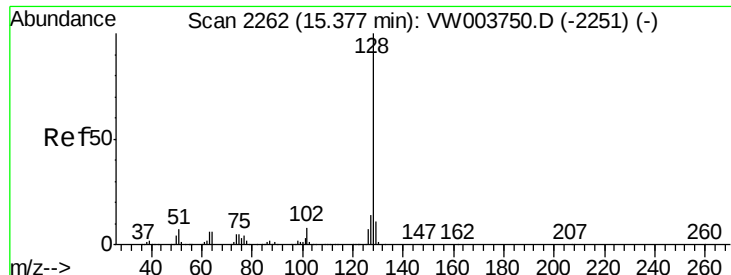
Ion Ratio Lower Upper

75 100

53 0.2 85.0 127.6#

89 0.1 36.3 54.5#





#95
Naphthalene
Concen: 1.271 ug/l
RT: 15.38 min Scan# 2262
Delta R.T. -0.00 min
Lab File: VW003785.D
Acq: 09 Jul 2018 18:36

Instrument :
MSVOA_W
ClientSampleId :
72-12002-RBR-RBR-VNJ-230

Tot Ion	Ratio	Lower	Upper
128	100		
127	15.8	10.8	16.2
129	2.1	8.6	13.0

