

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW073018\
 Data File : VW004329.D
 Acq On : 29 Jul 2018 22:07
 Operator : SY/AP
 Sample : J4152-01
 Misc : 6.74G/5ML/MSVOA W/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 30 04:35:47 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W073018S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 30 02:37:04 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	50163	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	78993	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	73965	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	38435	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	33666	66.53	ug/l	0.00
Spiked Amount			Recovery	=	133.06%	
35) Dibromofluoromethane	7.88	113	28323	56.74	ug/l	0.00
Spiked Amount			Recovery	=	113.48%	
50) Toluene-d8	10.32	98	93101	47.19	ug/l	0.00
Spiked Amount			Recovery	=	94.38%	
62) 4-Bromofluorobenzene	12.62	95	29938	43.10	ug/l	0.00
Spiked Amount			Recovery	=	86.20%	

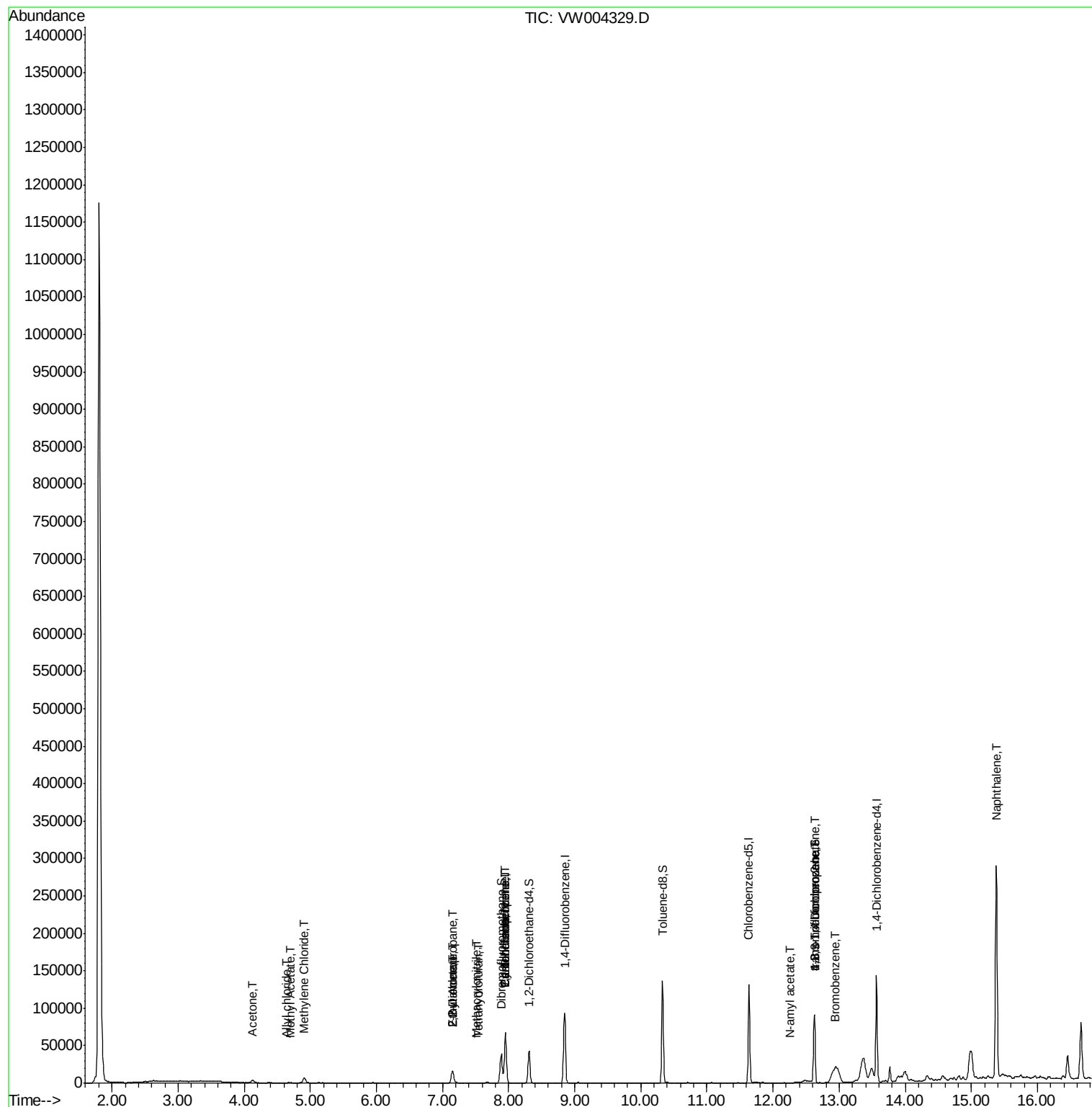
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.29	50	53	Below Cal	#	44
6) Chloroethane	2.86	64	41	Below Cal	#	45
7) Trichlorofluoromethane	3.25	101	105	Below Cal		95
8) Diethyl Ether	3.70	74	47	Below Cal	#	48
11) Tert butyl alcohol	5.19	59	102	Below Cal	#	72
14) Allyl chloride	4.65	41	53	1.574	ug/l #	25
16) Acetone	4.13	43	5267	52.250	ug/l	97
18) Methyl Acetate	4.68	43	441	2.407	ug/l #	54
20) Methylene Chloride	4.91	84	4921	8.884	ug/l	88
25) 2-Butanone	7.15	43	1045	7.436	ug/l	90
26) 2,2-Dichloropropane	7.15	77	1203	2.120	ug/l #	52
29) Tetrahydrofuran	7.54	42	19	2.854	ug/l #	35
31) Cyclohexane	7.95	56	1126	1.304	ug/l #	23
36) 1,1-Dichloropropene	7.95	75	4061	5.139	ug/l #	49
37) Ethyl Acetate	7.15	43	1045	3.227	ug/l #	1
38) Carbon Tetrachloride	7.95	117	4812	6.167	ug/l #	15
41) Methacrylonitrile	7.53	41	41	2.282	ug/l #	26
74) N-amyl acetate	12.26	43	46	1.943	ug/l #	42
76) 1,2,3-Trichloropropane	12.63	75	14942	42.597	ug/l #	100
77) Bromobenzene	12.94	156	32713	50.802	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.63	75	14942	99.117	ug/l #	11
95) Naphthalene	15.38	128	242477	173.984	ug/l	99

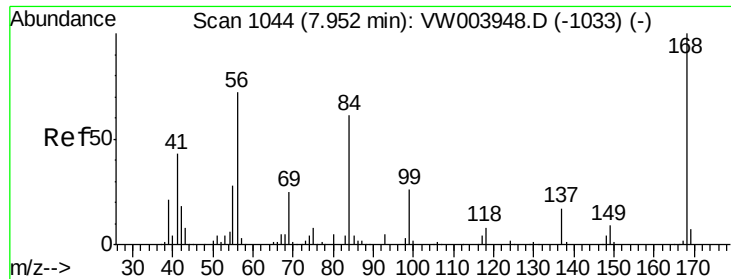
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W073018S.M
Quant Title : SW846 8260
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Response via : Initial Calibration

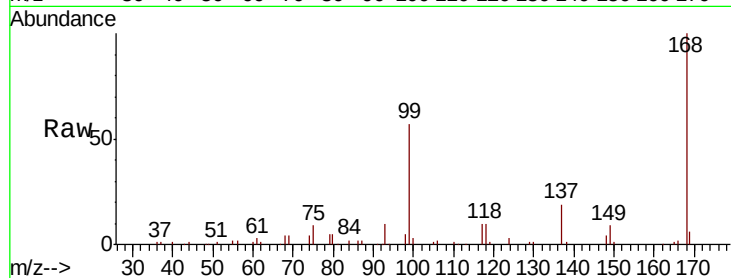




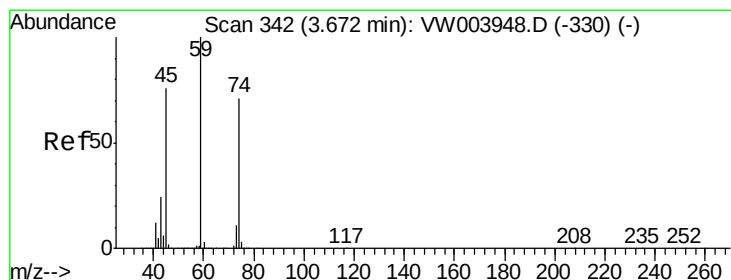
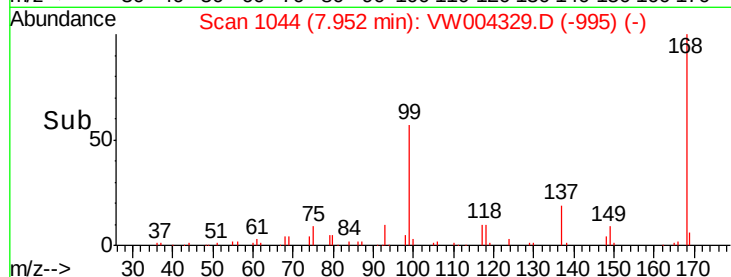
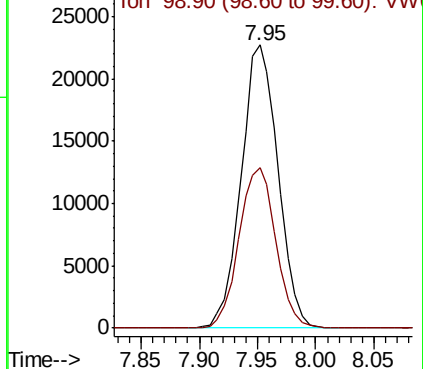
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. 0.00 min
Lab File: VW004329.D
Acq: 29 Jul 2018 22:07

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 50163
Ion Ratio Lower Upper
168 100
99 56.9 45.0 67.4

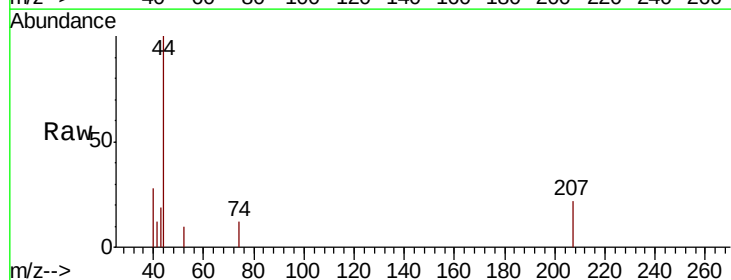


Abundance Ion 167.90 (167.60 to 168.60): V
Ion 98.90 (98.60 to 99.60): VW

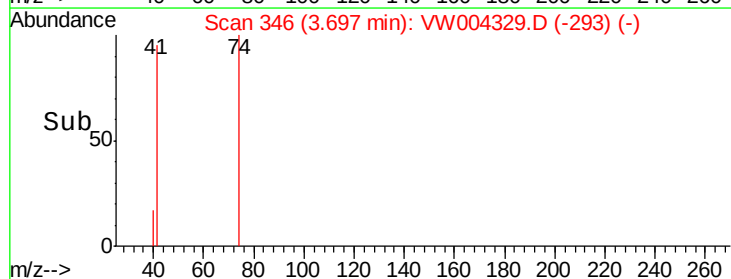
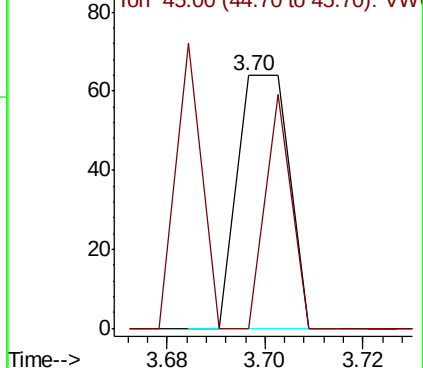


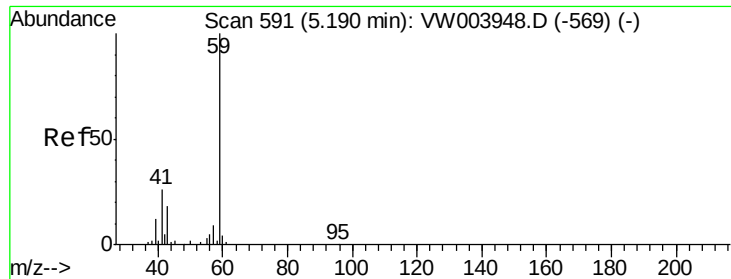
#8
Diethyl Ether
Concen: Below Cal
RT: 3.70 min Scan# 346
Delta R.T. 0.02 min
Lab File: VW004329.D
Acq: 29 Jul 2018 22:07

Tgt Ion: 74 Resp: 47
Ion Ratio Lower Upper
74 100
45 46.8 49.4 148.0#



Abundance Ion 74.00 (73.70 to 74.70): VW
Ion 45.00 (44.70 to 45.70): VW



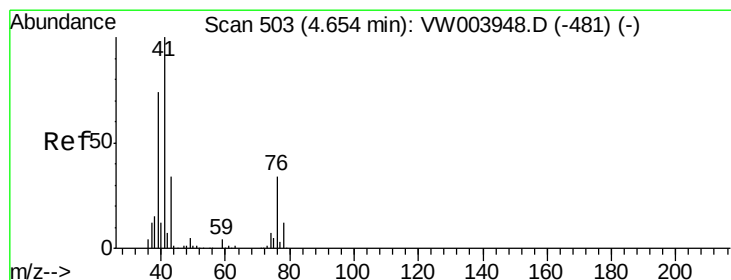
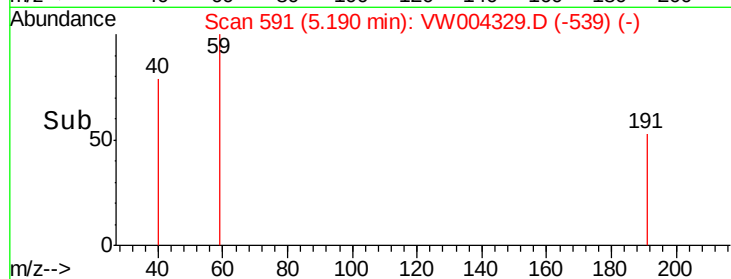
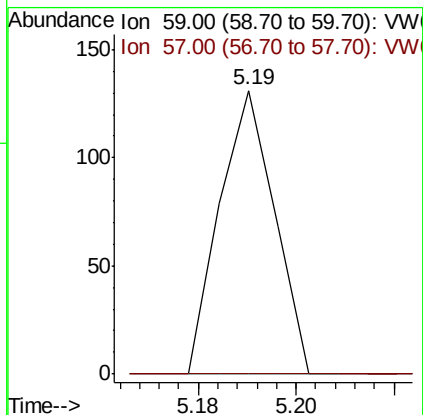
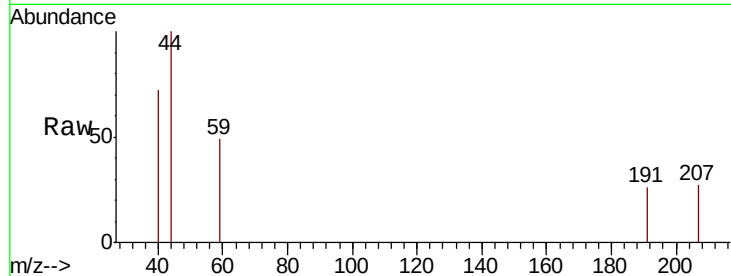


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.19 min Scan# 591
 Delta R.T. 0.02 min
 Lab File: VW004329.D
 Acq: 29 Jul 2018 22:07

Instrument :
 MSVOA_W
 ClientSampleId :

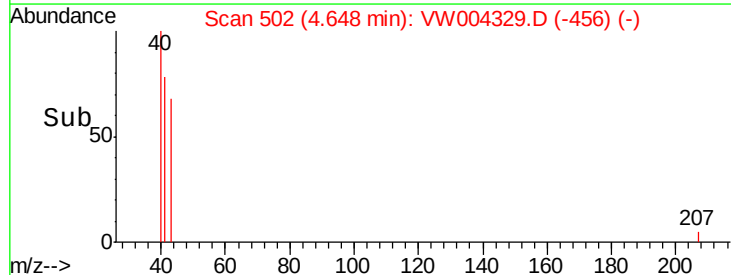
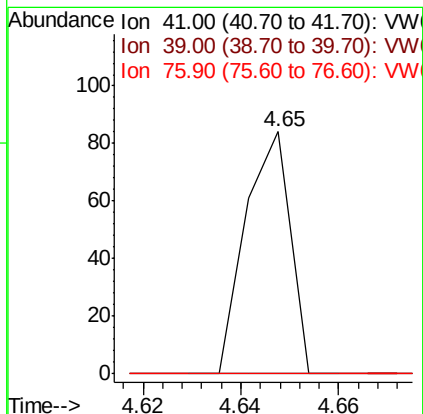
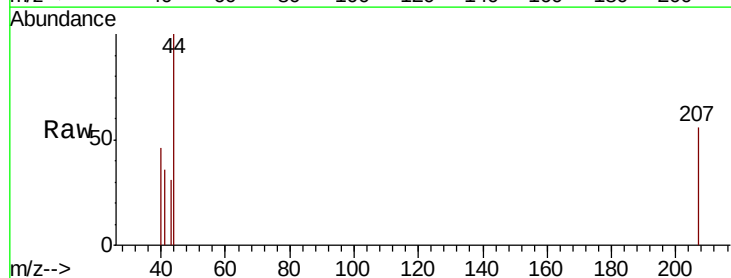
Tot Ion: 59 Resp: 102
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.4 12.6#

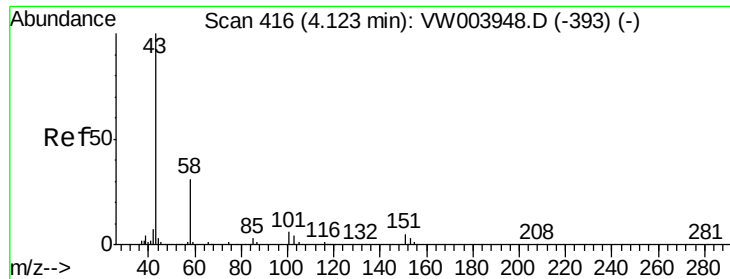


#14

Allyl chloride
 Concen: 1.574 ug/l
 RT: 4.65 min Scan# 502
 Delta R.T. -0.02 min
 Lab File: VW004329.D
 Acq: 29 Jul 2018 22:07

Tgt Ion: 41 Resp: 53
 Ion Ratio Lower Upper
 41 100
 39 0.0 52.3 78.5#
 76 0.0 27.3 40.9#





#16

Acetone

Concen: 52.250 ug/l

RT: 4.13 min Scan# 417

Delta R.T. 0.01 min

Lab File: VW004329.D

Acq: 29 Jul 2018 22:07

Instrument :

MSVOA_W

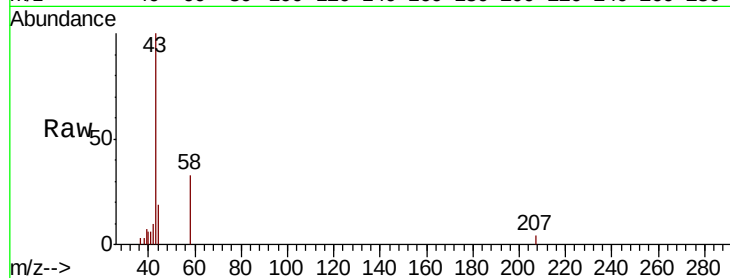
ClientSampled :

Tot Ion: 43 Resp: 5267

Ion Ratio Lower Upper

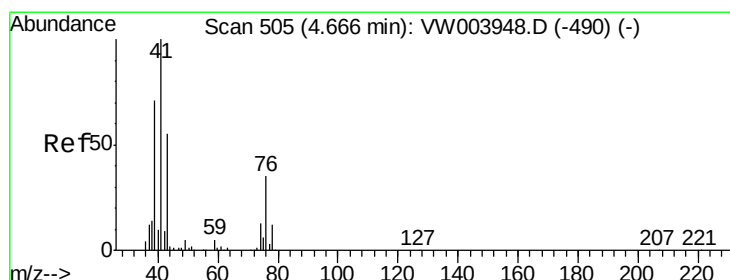
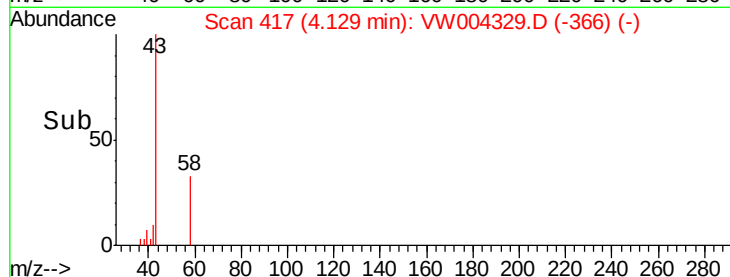
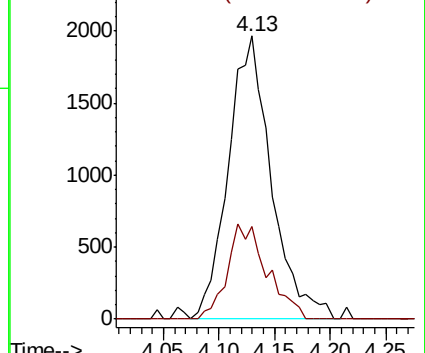
43 100

58 32.5 24.8 37.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#18

Methyl Acetate

Concen: 2.407 ug/l

RT: 4.68 min Scan# 508

Delta R.T. 0.01 min

Lab File: VW004329.D

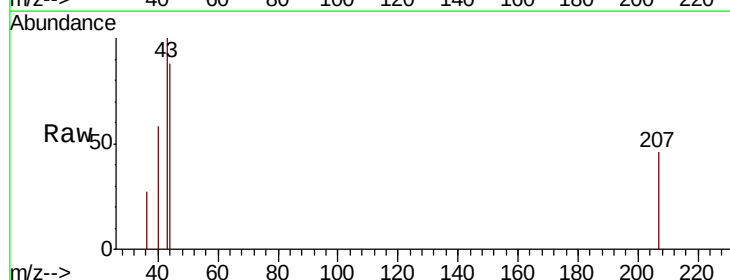
Acq: 29 Jul 2018 22:07

Tgt Ion: 43 Resp: 441

Ion Ratio Lower Upper

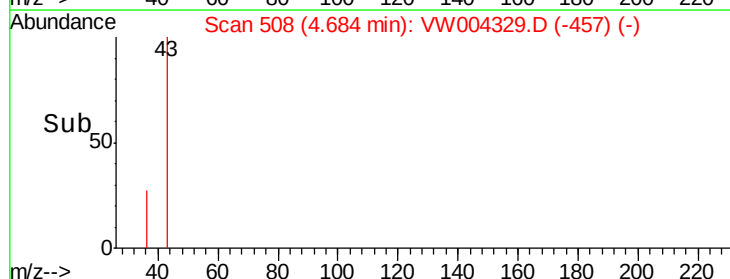
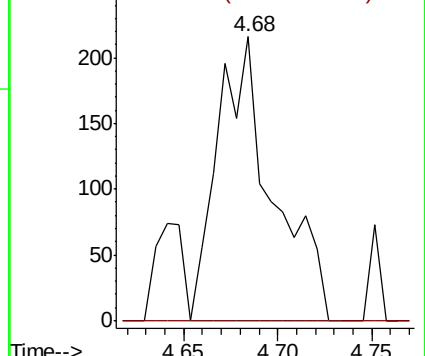
43 100

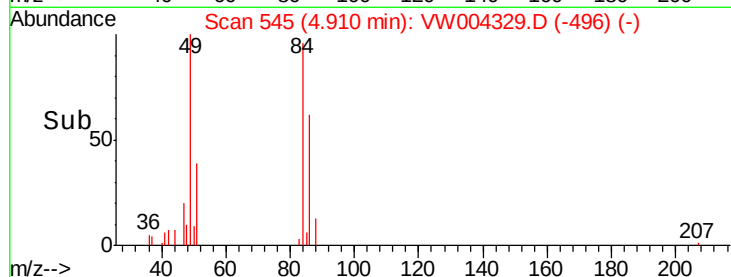
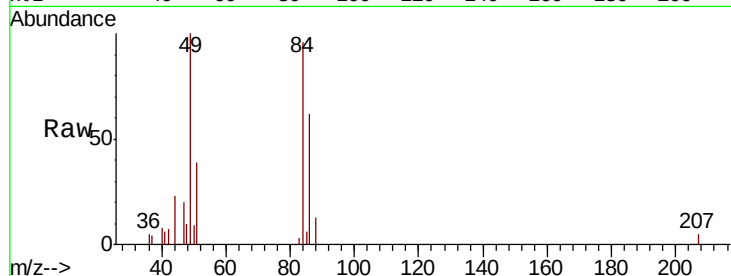
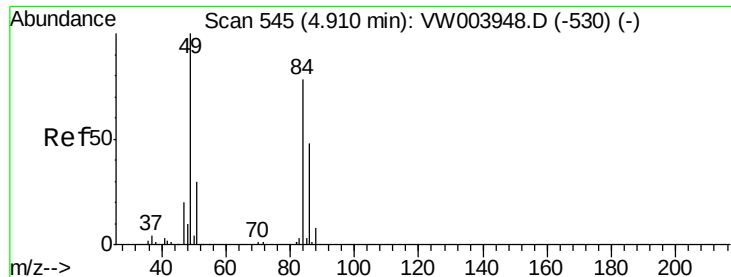
74 0.0 17.8 26.6#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

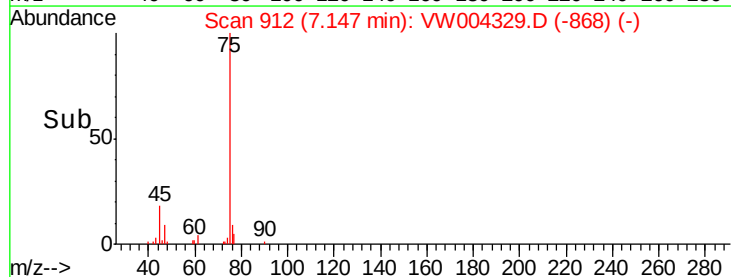
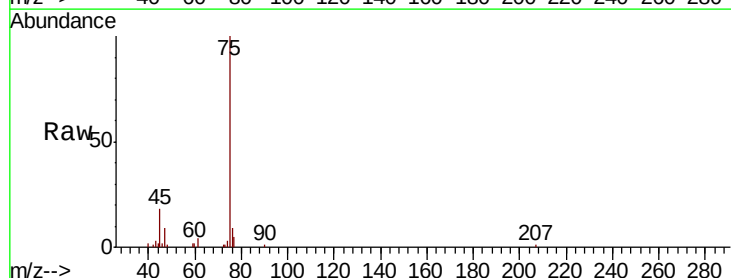
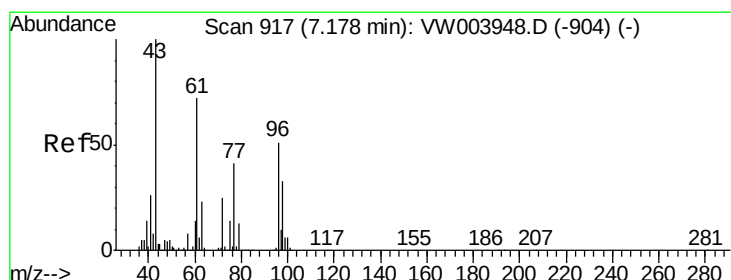
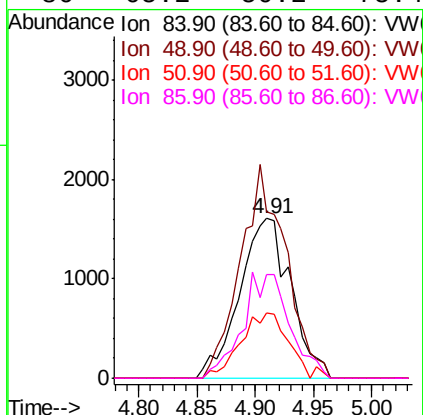




#20
Methylene Chloride
Concen: 8.884 ug/l
RT: 4.91 min Scan# 545
Delta R.T. 0.00 min
Lab File: VW004329.D
Acq: 29 Jul 2018 22:07

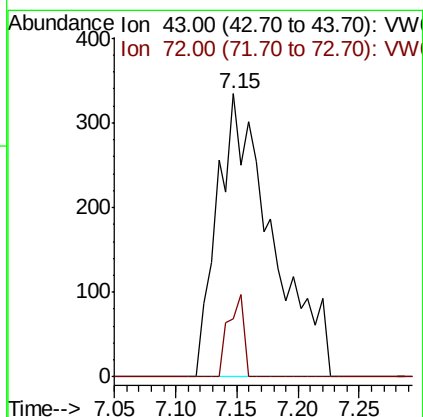
Instrument :
MSVOA_W
ClientSampleId :

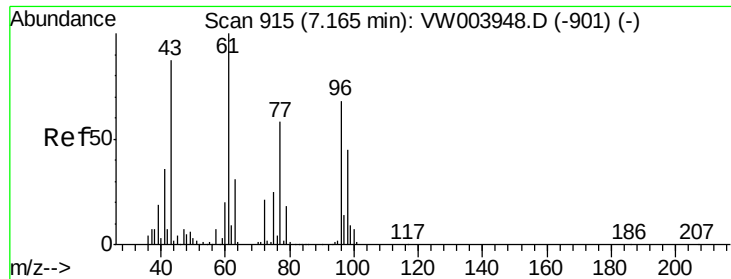
Tot Ion:	84	Resp:	4921
Ion	Ratio	Lower	Upper
84	100		
49	104.7	100.5	150.7
51	40.9	30.9	46.3
86	65.2	50.2	75.4



#25
2-Butanone
Concen: 7.436 ug/l
RT: 7.15 min Scan# 912
Delta R.T. -0.03 min
Lab File: VW004329.D
Acq: 29 Jul 2018 22:07

Tgt Ion:	43	Resp:	1045
Ion	Ratio	Lower	Upper
43	100		
72	20.4	20.3	30.5

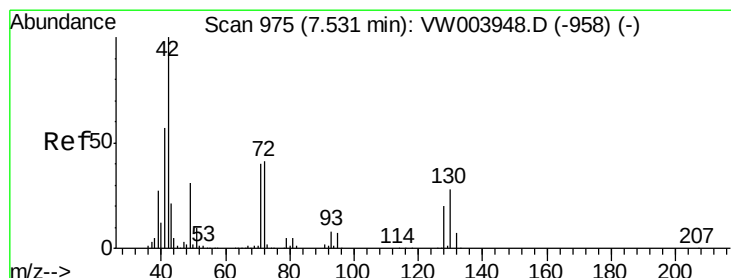
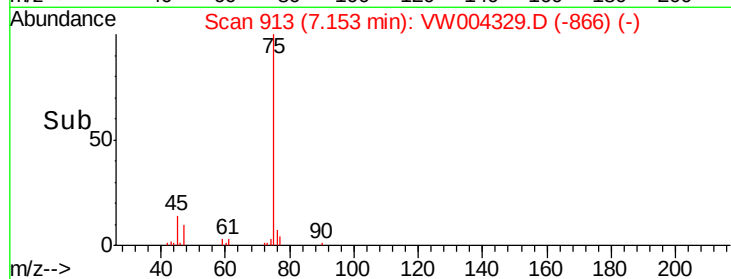
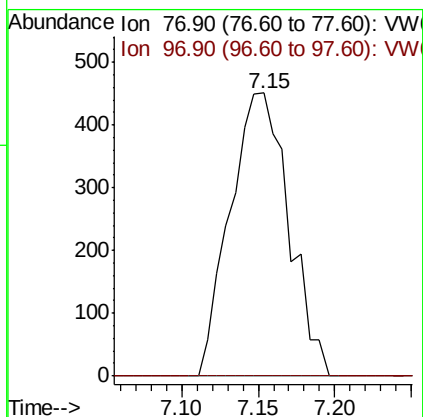
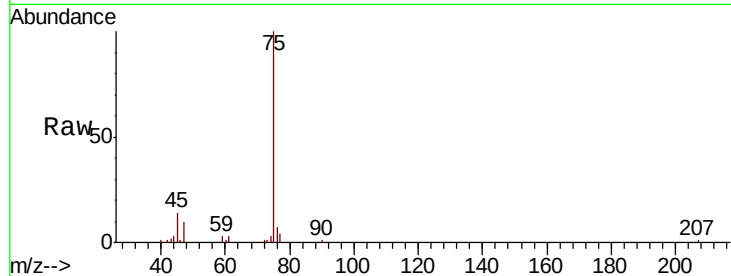




#26
 2,2-Dichloropropane
 Concen: 2.120 ug/l
 RT: 7.15 min Scan# 913
 Delta R.T. -0.01 min
 Lab File: VW004329.D
 Acq: 29 Jul 2018 22:07

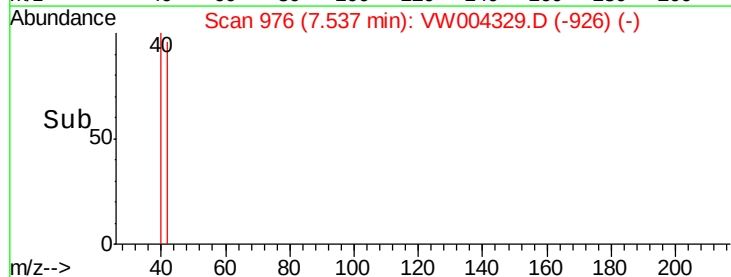
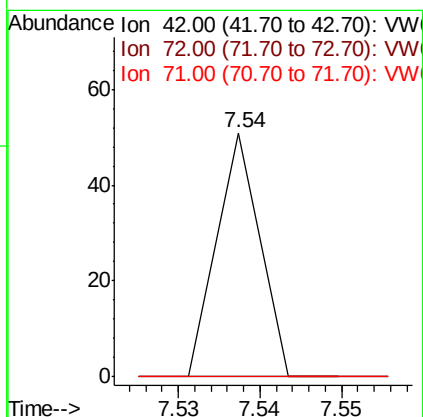
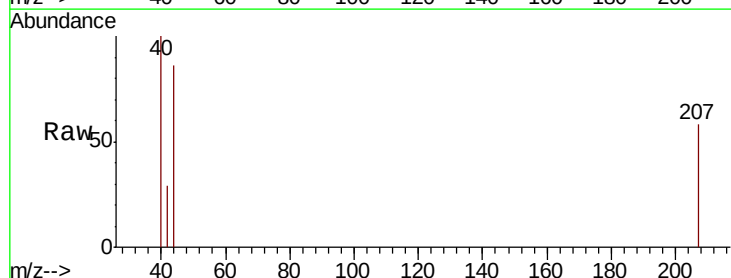
Instrument :
 MSVOA_W
 ClientSampled :

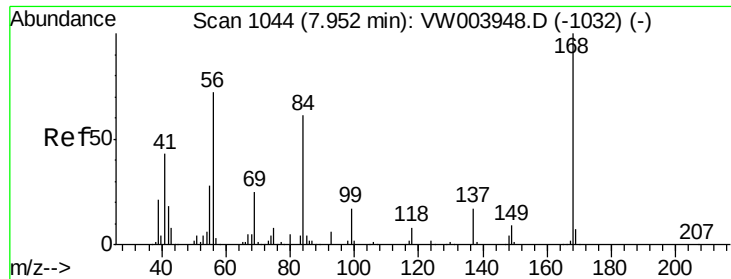
Tot Ion: 77 Resp: 1203
 Ion Ratio Lower Upper
 77 100
 97 0.0 11.7 35.1#



#29
 Tetrahydrofuran
 Concen: 2.854 ug/l
 RT: 7.54 min Scan# 976
 Delta R.T. 0.01 min
 Lab File: VW004329.D
 Acq: 29 Jul 2018 22:07

Tgt Ion: 42 Resp: 19
 Ion Ratio Lower Upper
 42 100
 72 0.0 32.6 48.8#
 71 0.0 31.3 46.9#





#31

Cyclohexane

Concen: 1.304 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW004329.D

Acq: 29 Jul 2018 22:07

Instrument :
MSVOA_W
ClientSampled :

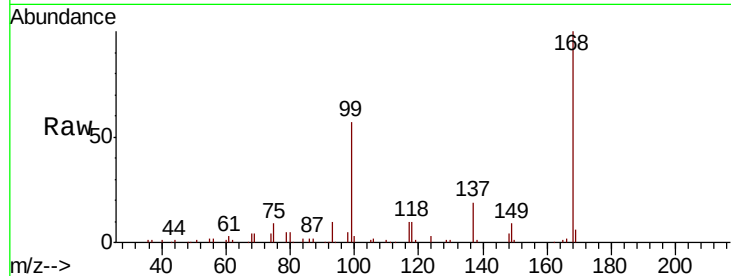
Tot Ion: 56 Resp: 1126

Ion Ratio Lower Upper

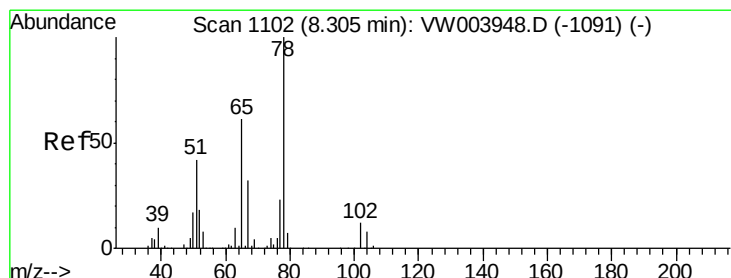
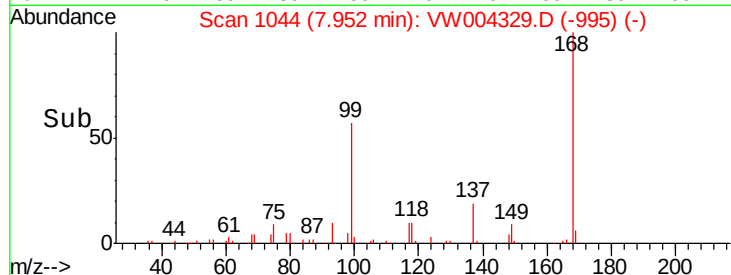
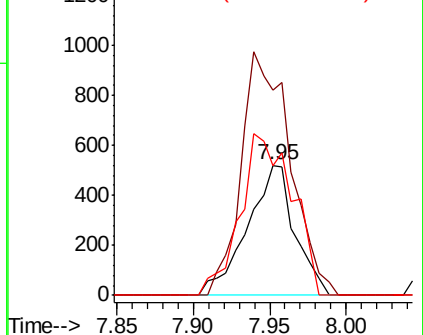
56 100

69 158.0 26.3 39.5#

84 99.8 66.2 99.4#



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: 66.533 ug/l

RT: 8.31 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VW004329.D

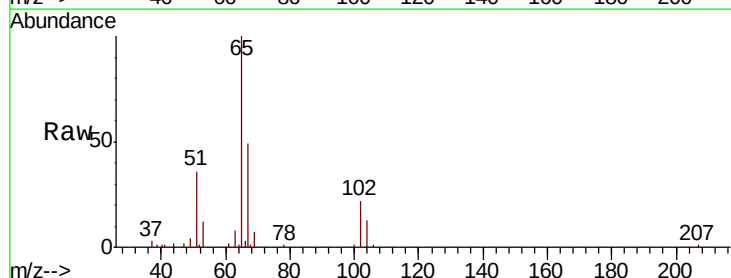
Acq: 29 Jul 2018 22:07

Tgt Ion: 65 Resp: 33666

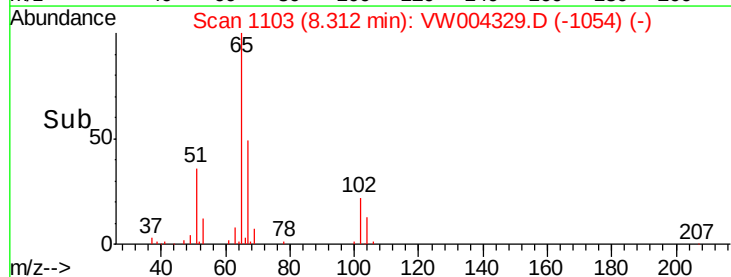
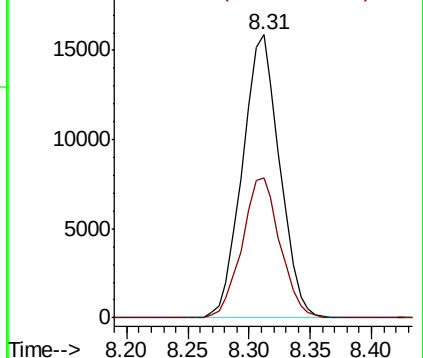
Ion Ratio Lower Upper

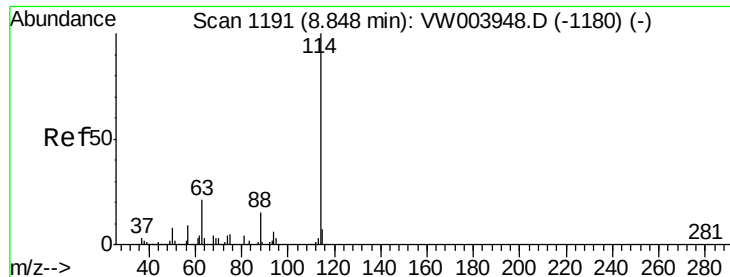
65 100

67 50.2 0.0 106.4



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# 1191

Delta R.T. 0.00 min

Lab File: VW004329.D

Acq: 29 Jul 2018 22:07

Instrument :

MSVOA_W

ClientSampled :

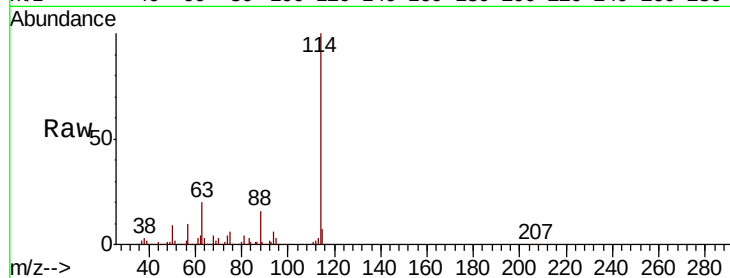
Tot Ion:114 Resp: 78993

Ion Ratio Lower Upper

114 100

63 20.2 0.0 41.4

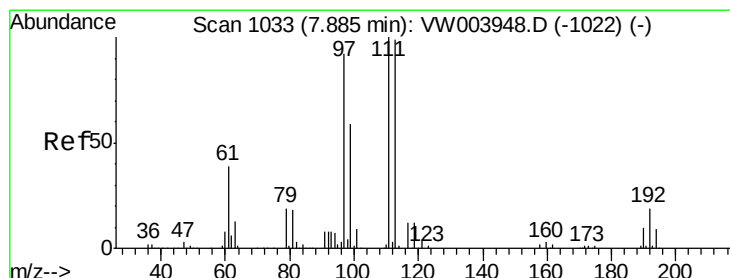
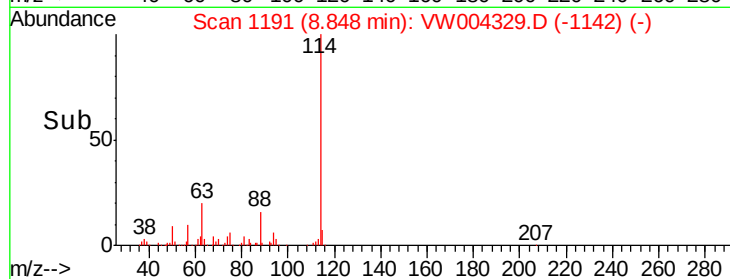
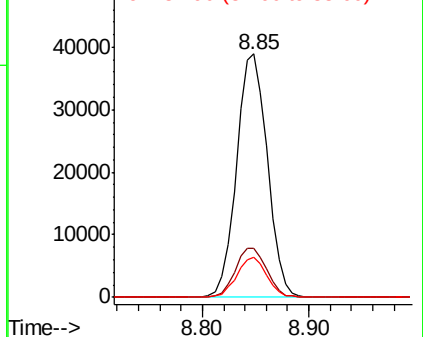
88 16.4 0.0 30.6



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: 56.736 ug/l

RT: 7.88 min Scan# 1033

Delta R.T. 0.00 min

Lab File: VW004329.D

Acq: 29 Jul 2018 22:07

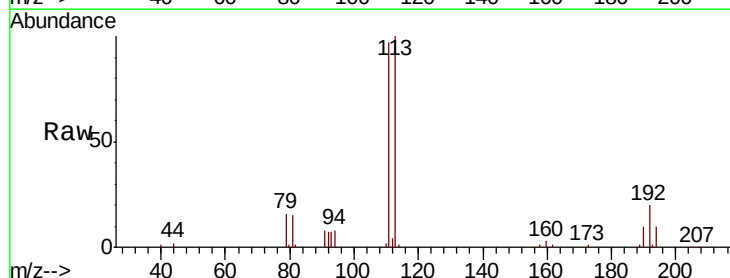
Tgt Ion:113 Resp: 28323

Ion Ratio Lower Upper

113 100

111 103.9 82.1 123.1

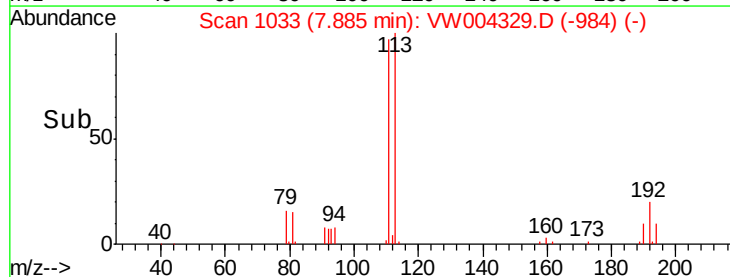
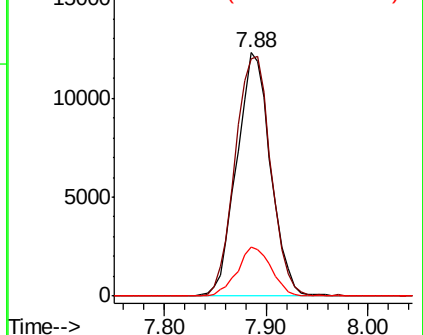
192 20.0 16.2 24.4

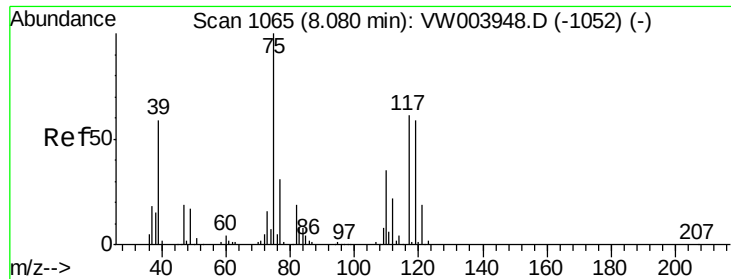


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

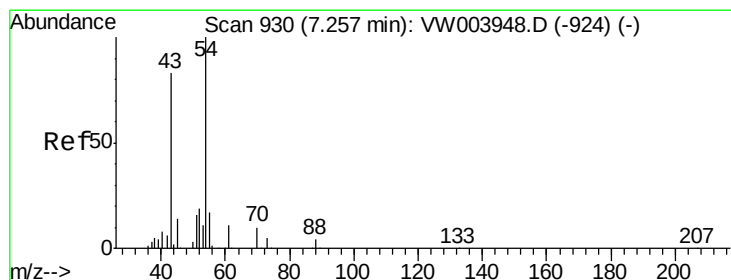
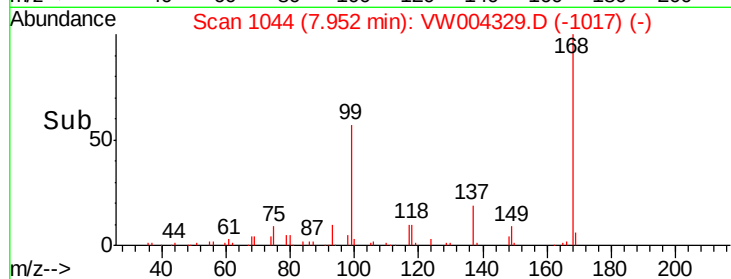
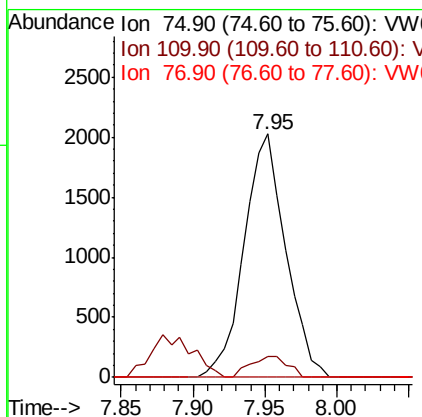
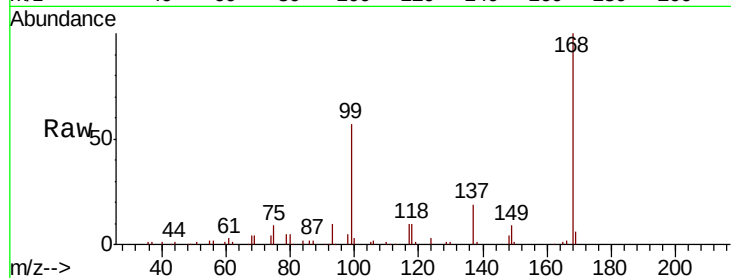




#36
 1,1-Dichloropropene
 Concen: 5.139 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.13 min
 Lab File: VW004329.D
 Acq: 29 Jul 2018 22:07

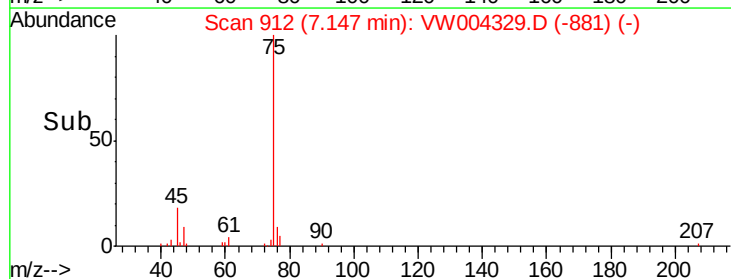
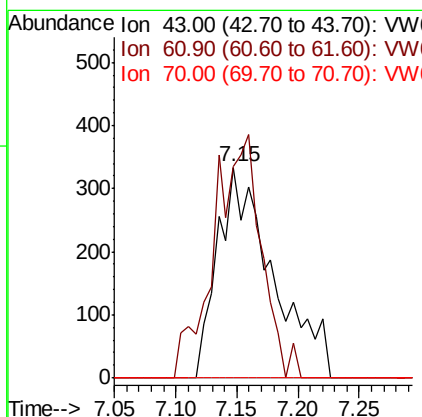
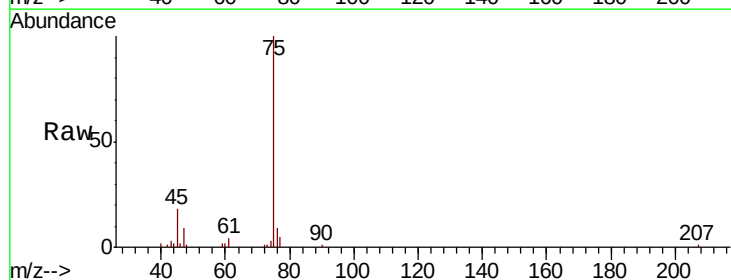
Instrument :
 MSVOA_W
 ClientSampleId :

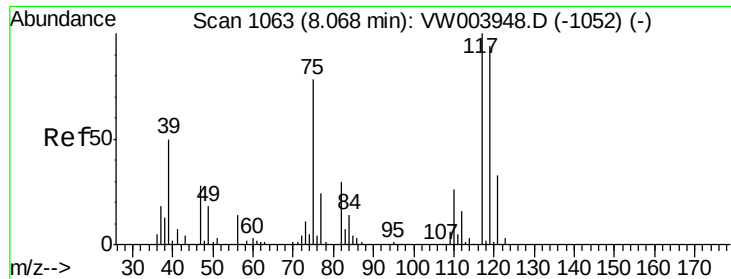
Tot Ion	Ratio	Lower	Upper
75	100		
110	7.7	17.3	52.0#
77	0.0	25.0	37.6#



#37
 Ethyl Acetate
 Concen: 3.227 ug/l
 RT: 7.15 min Scan# 912
 Delta R.T. -0.11 min
 Lab File: VW004329.D
 Acq: 29 Jul 2018 22:07

Tgt Ion	Ratio	Lower	Upper
43	100		
61	99.6	11.1	16.7#
70	0.0	7.8	11.6#





#38

Carbon Tetrachloride

Concen: 6.167 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.12 min

Lab File: VW004329.D

Acq: 29 Jul 2018 22:07

Instrument :
MSVOA_W
ClientSampleId :

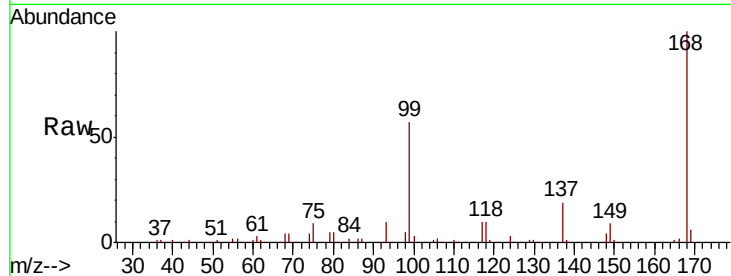
Tot Ion:117 Resp: 4812

Ion Ratio Lower Upper

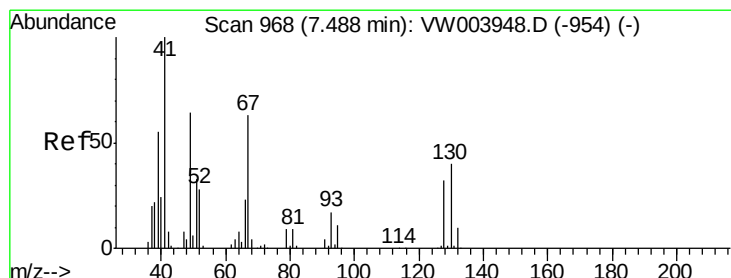
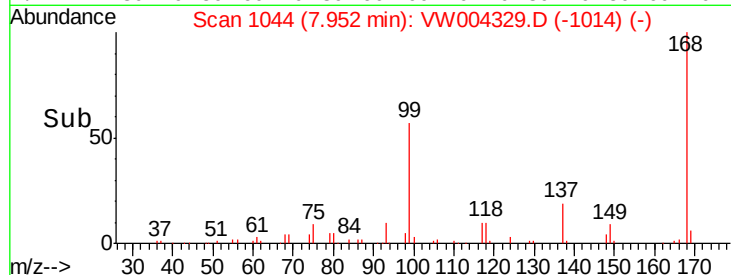
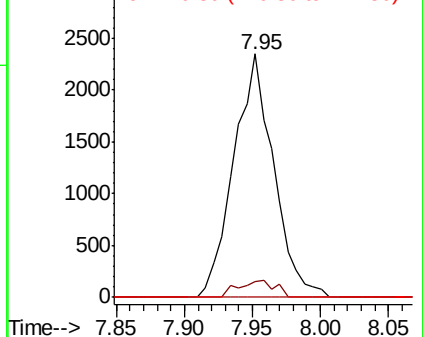
117 100

119 6.3 79.7 119.5#

121 0.0 25.7 38.5#



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



#41

Methacrylonitrile

Concen: 2.282 ug/l

RT: 7.53 min Scan# 974

Delta R.T. 0.04 min

Lab File: VW004329.D

Acq: 29 Jul 2018 22:07

Tgt Ion: 41 Resp: 41

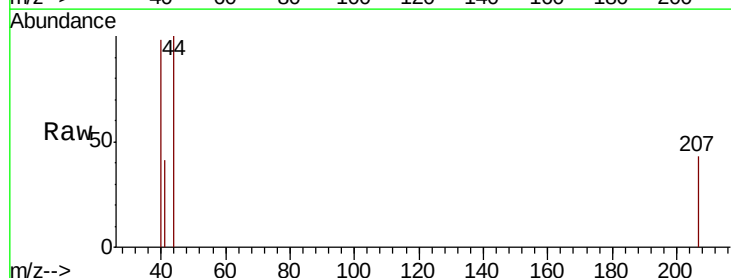
Ion Ratio Lower Upper

41 100

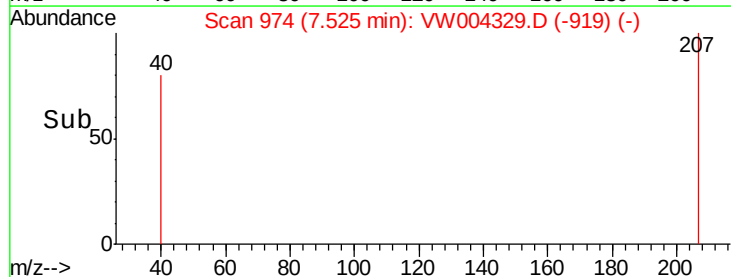
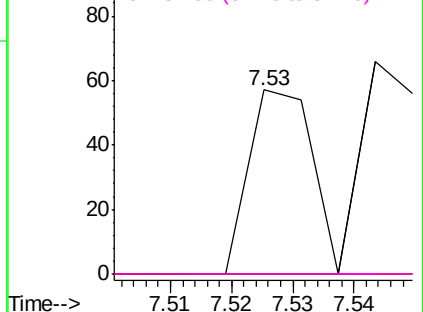
39 0.0 41.2 61.8#

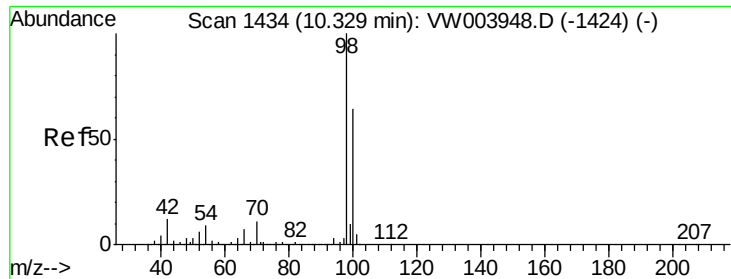
67 0.0 53.4 80.0#

52 0.0 22.4 33.6#



Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW





#50

Toluene-d8

Concen: 47.190 ug/l

RT: 10.32 min Scan# 1433

Delta R.T. -0.01 min

Lab File: VW004329.D

Acq: 29 Jul 2018 22:07

Instrument :

MSVOA_W

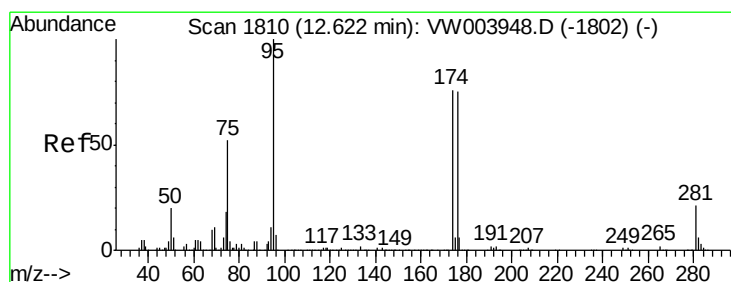
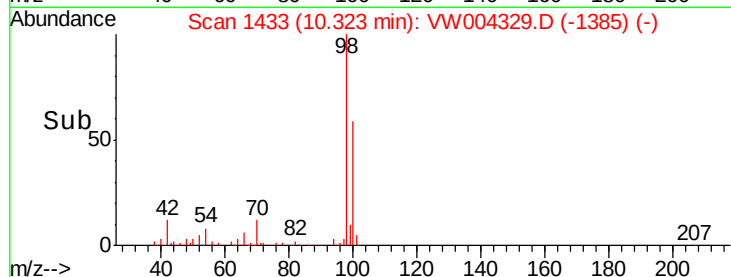
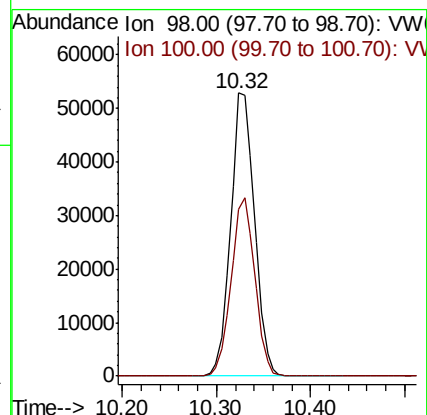
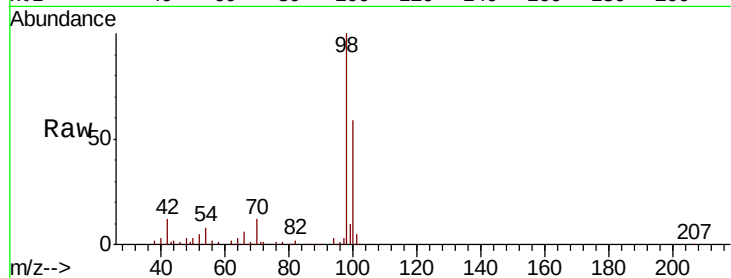
ClientSampleId :

Tot Ion: 98 Resp: 93101

Ion Ratio Lower Upper

98 100

100 62.4 51.5 77.3



#62

4-Bromofluorobenzene

Concen: 43.097 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VW004329.D

Acq: 29 Jul 2018 22:07

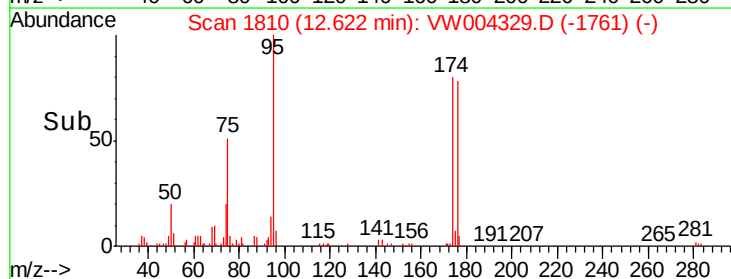
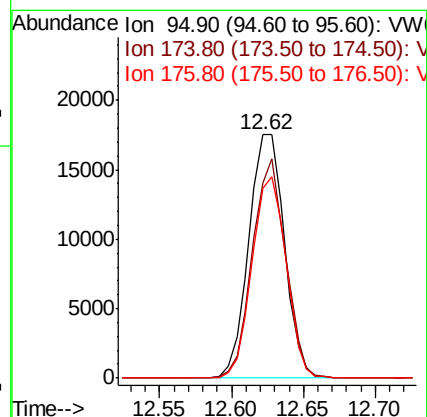
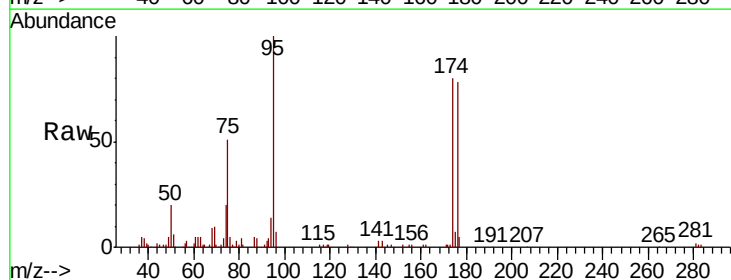
Tgt Ion: 95 Resp: 29938

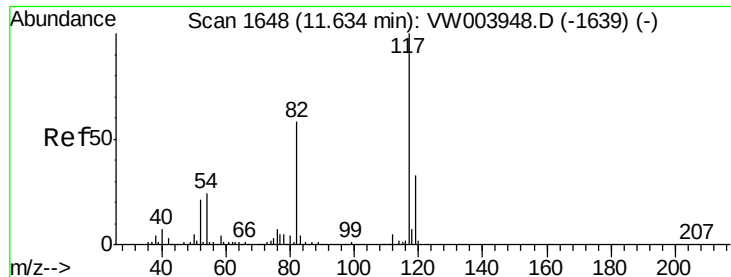
Ion Ratio Lower Upper

95 100

174 83.8 0.0 167.8

176 79.1 0.0 162.4

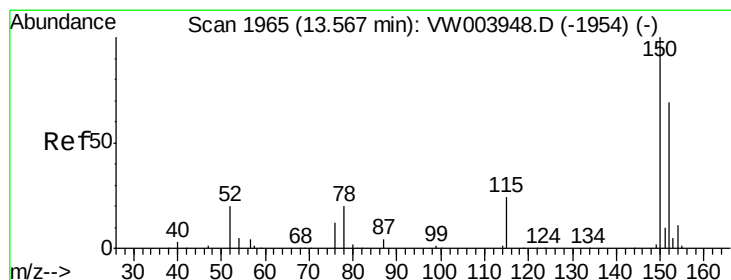
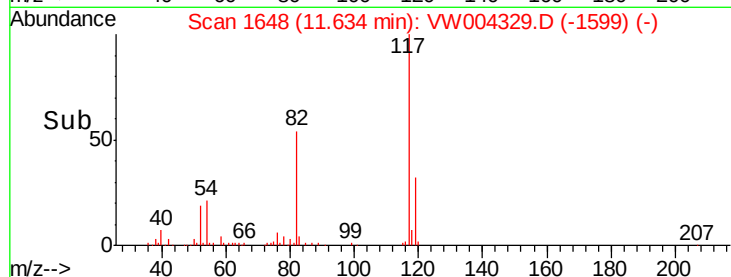
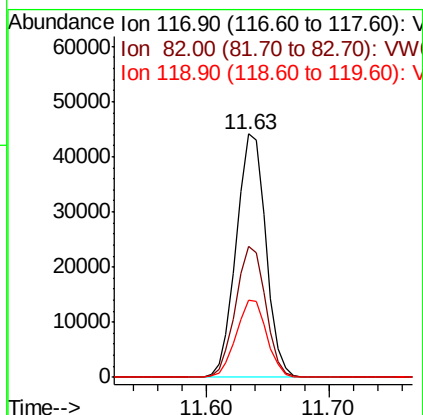
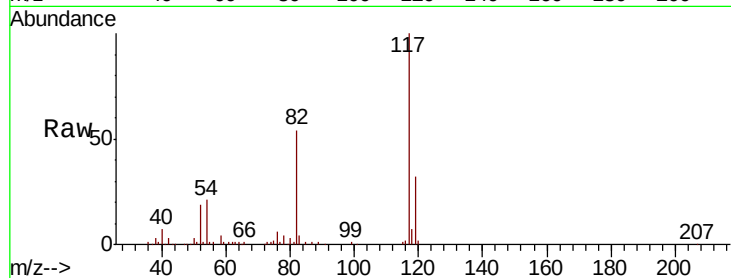




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. 0.00 min
Lab File: VW004329.D
Acq: 29 Jul 2018 22:07

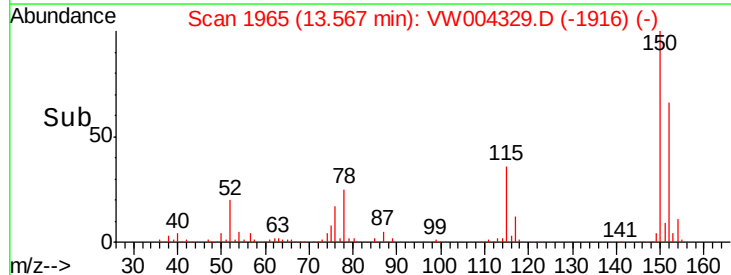
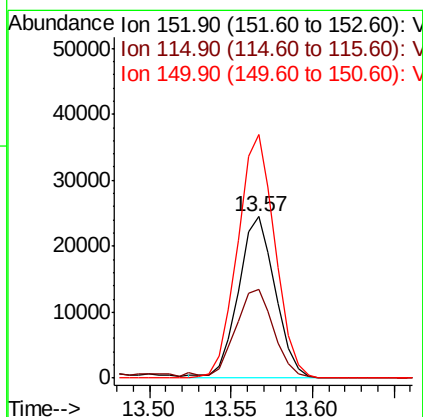
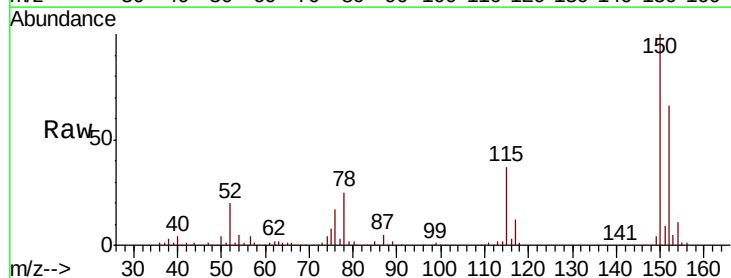
Instrument :
MSVOA_W
ClientSampled :

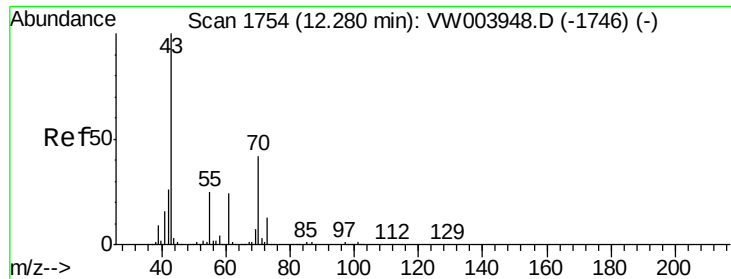
Tot Ion:117 Resp: 73965
Ion Ratio Lower Upper
117 100
82 53.9 47.9 71.9
119 31.7 27.1 40.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. 0.00 min
Lab File: VW004329.D
Acq: 29 Jul 2018 22:07

Tgt Ion:152 Resp: 38435
Ion Ratio Lower Upper
152 100
115 58.3 28.8 86.4
150 153.1 0.0 346.4

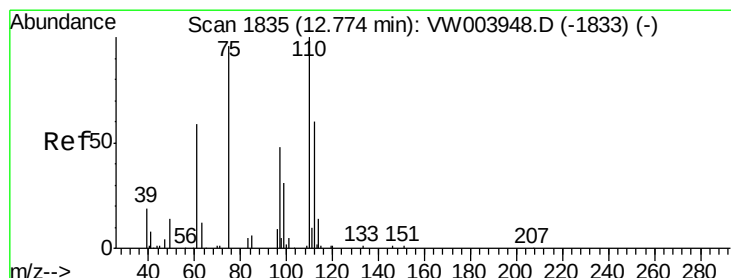
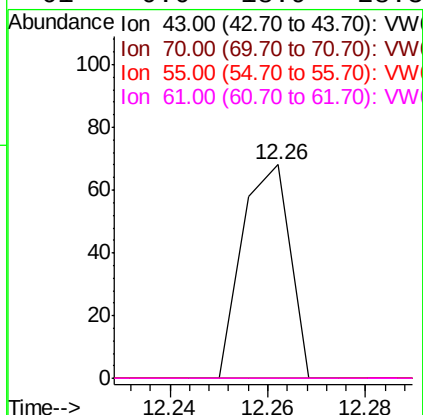
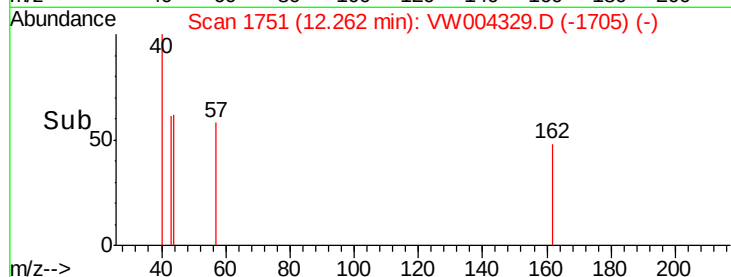
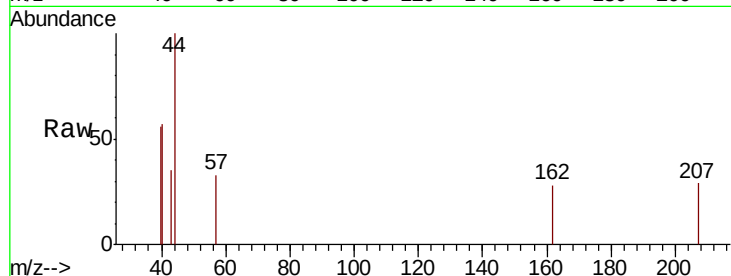




#74
N-amvl acetate
Concen: 1.943 ug/l
RT: 12.26 min Scan# 1751
Delta R.T. -0.02 min
Lab File: VW004329.D
Acq: 29 Jul 2018 22:07

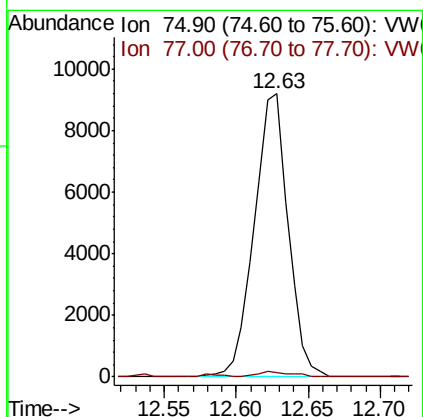
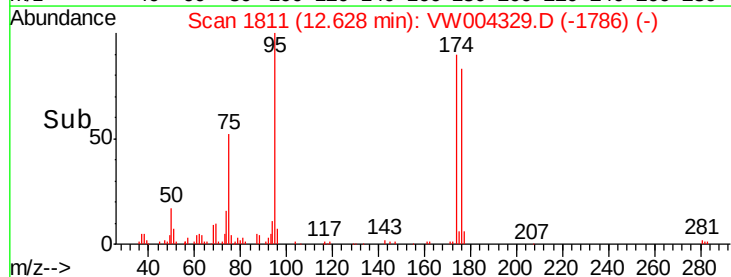
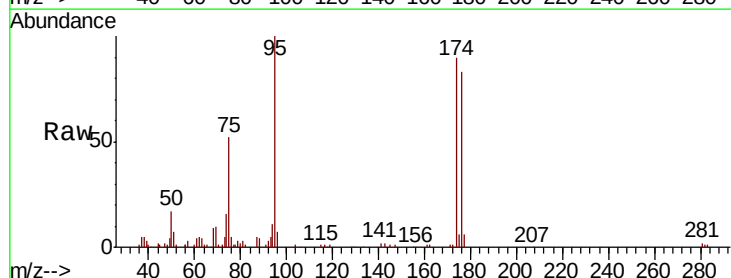
Instrument :
MSVOA_W
ClientSampleId :

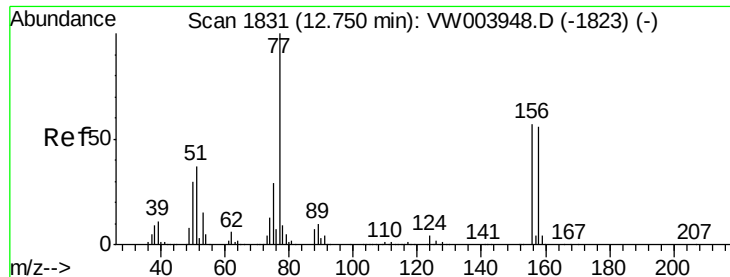
Tot Ion:	43	Resp:	46
Ion	Ratio	Lower	Upper
43	100		
70	0.0	34.2	51.4#
55	0.0	21.8	32.8#
61	0.0	18.9	28.3#



#76
1,2,3-Trichloropropane
Concen: 42.597 ug/l
RT: 12.63 min Scan# 1811
Delta R.T. -0.15 min
Lab File: VW004329.D
Acq: 29 Jul 2018 22:07

Tgt Ion:	75	Resp:	14942
Ion	Ratio	Lower	Upper
75	100		
77	1.9	0.0	0.0#





#77

Bromobenzene

Concen: 50.802 ug/l

RT: 12.94 min Scan# 1863

Delta R.T. 0.19 min

Lab File: VW004329.D

Acq: 29 Jul 2018 22:07

Instrument :

MSVOA_W

ClientSampleId :

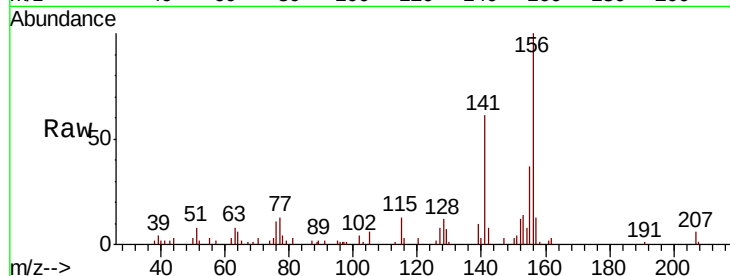
Tot Ion:156 Resp: 32713

Ion Ratio Lower Upper

156 100

77 3.6 92.9 278.7#

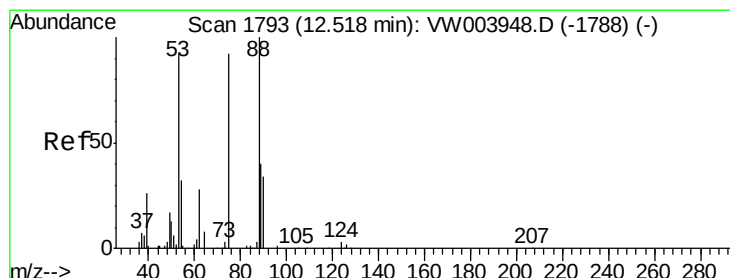
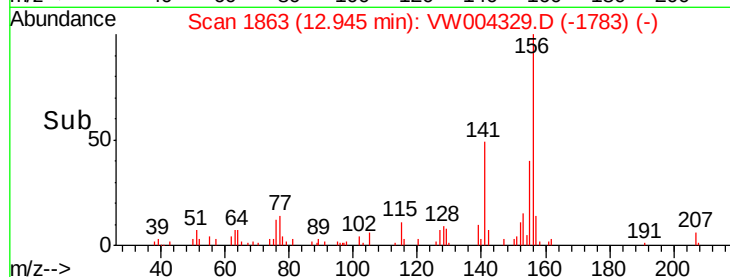
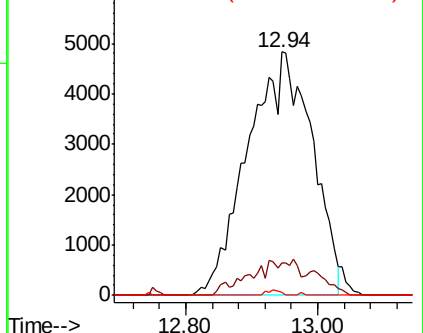
158 0.5 47.6 142.8#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#81

trans-1,4-Dichloro-2-butene

Concen: 99.117 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. 0.11 min

Lab File: VW004329.D

Acq: 29 Jul 2018 22:07

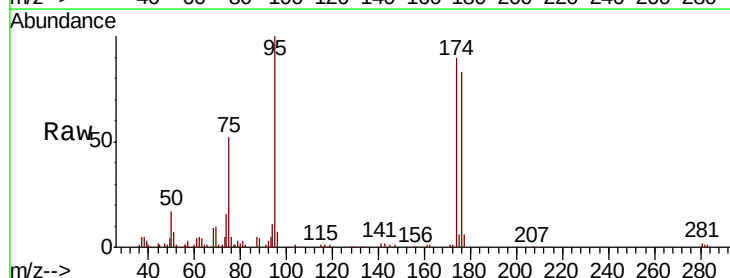
Tgt Ion: 75 Resp: 14942

Ion Ratio Lower Upper

75 100

53 0.0 77.6 116.4#

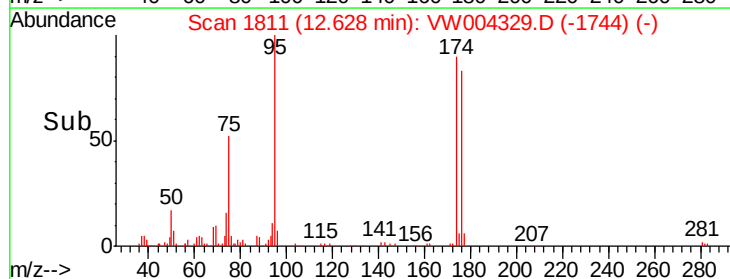
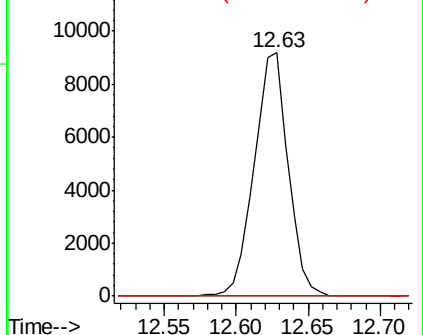
89 0.0 36.0 54.0#

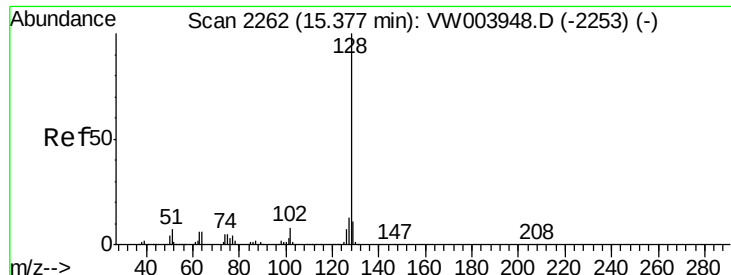


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW





#95

Naphthalene

Concen: 173.984 ug/l

RT: 15.38 min Scan# 2262

Delta R.T. 0.00 min

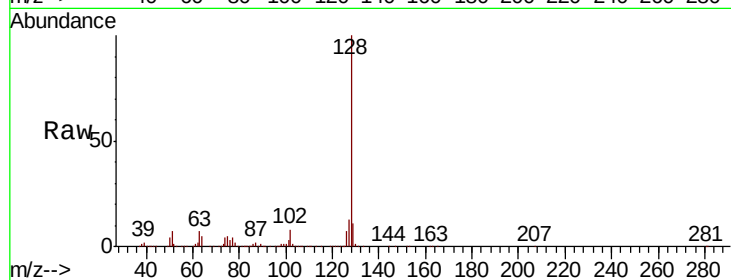
Lab File: VW004329.D

Acq: 29 Jul 2018 22:07

Instrument :

MSVOA_W

ClientSampleId :



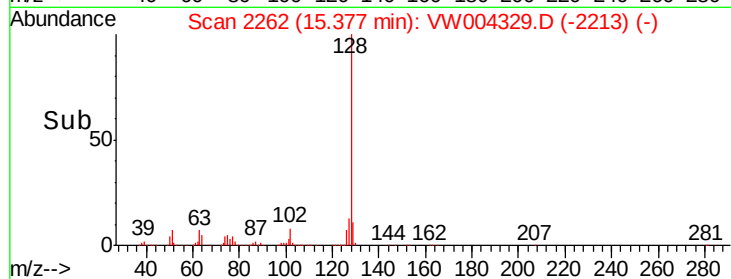
Tot Ion:128 Resp: 242477

Ion Ratio Lower Upper

128 100

127 13.2 10.4 15.6

129 11.1 8.6 13.0



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

