

Data Path : W:\HPCHEM1\MSVOA_W\DATA\VW051518\
 Data File : VW002542.D
 Acq On : 15 May 2018 05:11
 Operator : JC/SY
 Sample : J2870-18
 Misc : 9.04G/5ML/MSVOA_W/SOIL
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SP-B

Quant Time: May 15 07:33:56 2018
 Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\82W051518S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 15 03:32:11 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	90050	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	153073	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	147648	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	72466	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	53342	57.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.64%	
35) Dibromofluoromethane	7.88	113	45411	46.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.52%	
50) Toluene-d8	10.33	98	135370	36.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	73.28%	
62) 4-Bromofluorobenzene	12.63	95	56051	41.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.98%	

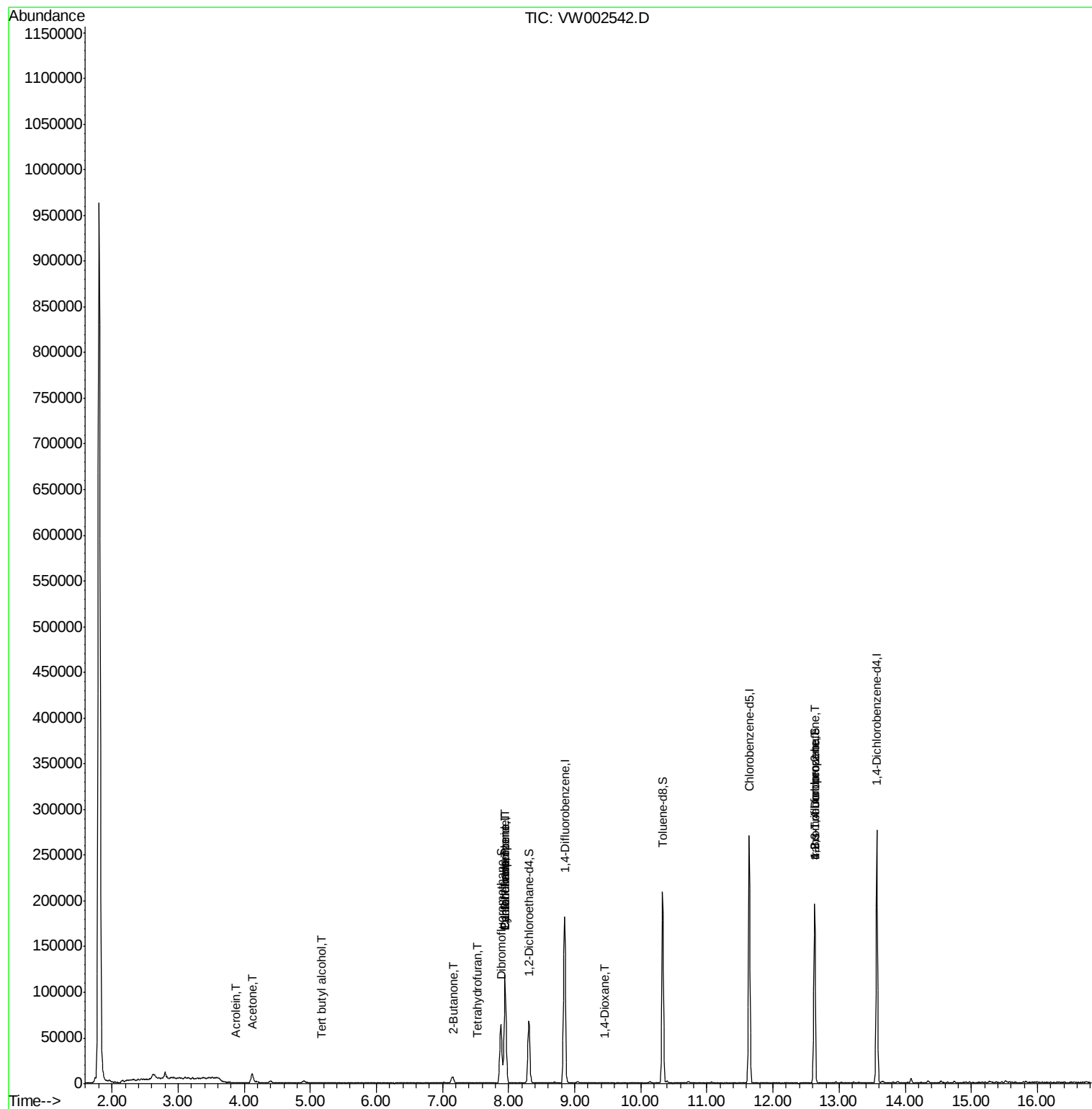
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.17	59	275	3.84	ug/l #	72
13) Acrolein	3.88	56	72	1.02	ug/l #	79
16) Acetone	4.12	43	16591	84.45	ug/l	98
20) Methylene Chloride	4.90	84	1688	Below Cal	#	79
25) 2-Butanone	7.17	43	339	1.22	ug/l #	49
29) Tetrahydrofuran	7.53	42	428	2.47	ug/l #	52
31) Cyclohexane	7.95	56	2069	1.57	ug/l #	5
36) 1,1-Dichloropropene	7.95	75	6718	4.97	ug/l #	48
38) Carbon Tetrachloride	7.95	117	8575	6.48	ug/l #	18
49) 1,4-Dioxane	9.45	88	26	2.77	ug/l #	1
76) 1,2,3-Trichloropropane	12.63	75	28665	41.85	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	28665	114.09	ug/l #	8

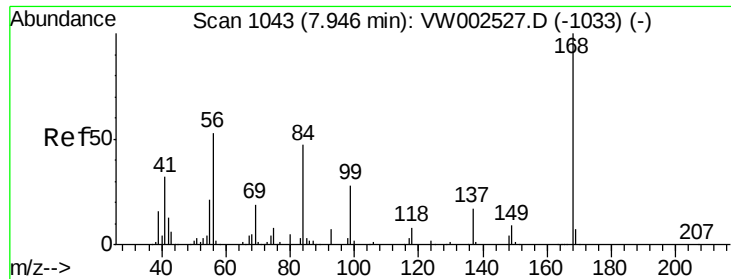
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue May 15 03:32:11 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.01 min

Lab File: VW002542.D

Acq: 15 May 2018 05:11

Instrument :

MSVOA_W

ClientSampled :

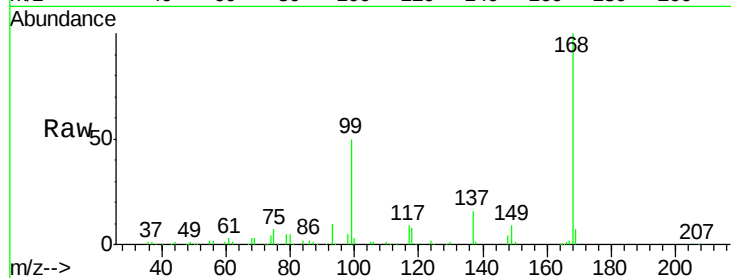
SP-B

Tgt Ion:168 Resp: 90050

Ion Ratio Lower Upper

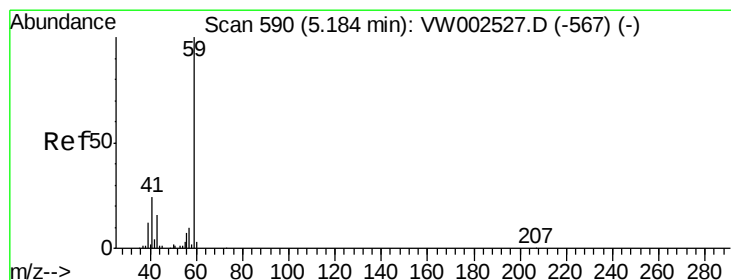
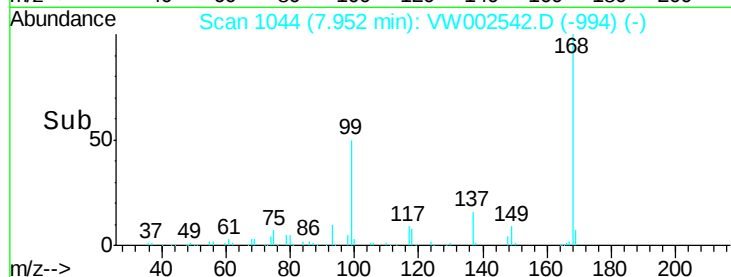
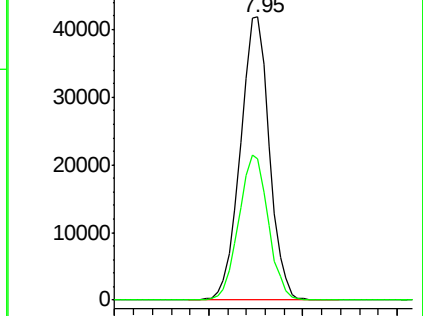
168 100

99 49.9 42.6 64.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 3.84 ug/l

RT: 5.17 min Scan# 588

Delta R.T. -0.01 min

Lab File: VW002542.D

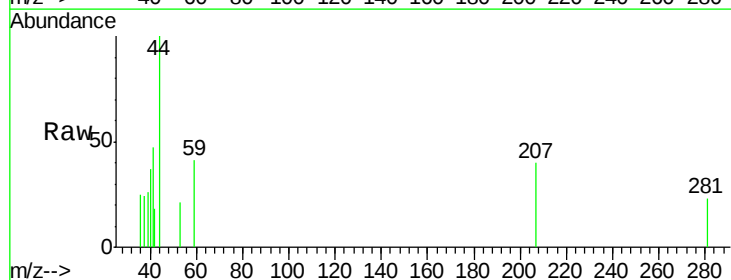
Acq: 15 May 2018 05:11

Tgt Ion: 59 Resp: 275

Ion Ratio Lower Upper

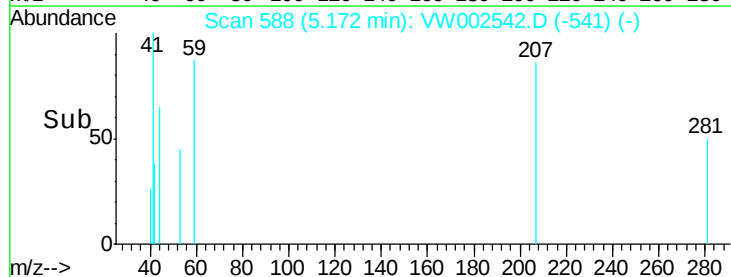
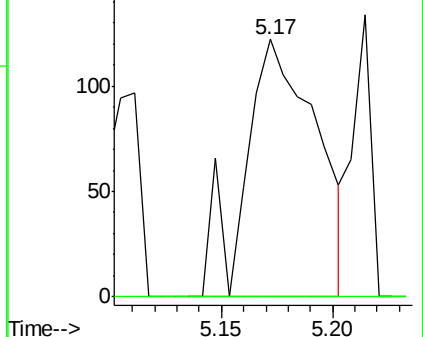
59 100

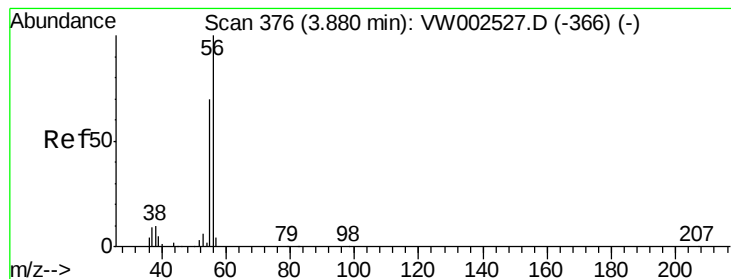
57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#13

Acrolein

Concen: 1.02 ug/l

RT: 3.88 min Scan# 376

Delta R.T. -0.00 min

Lab File: VW002542.D

Acq: 15 May 2018 05:11

Instrument :

MSVOA_W

ClientSampled :

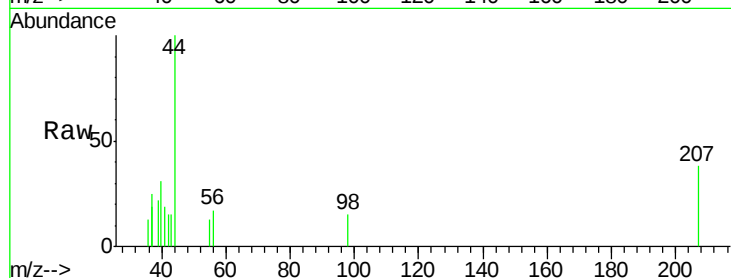
SP-B

Tgt Ion: 56 Resp: 72

Ion Ratio Lower Upper

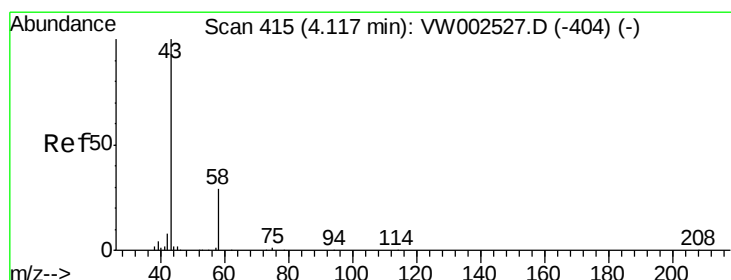
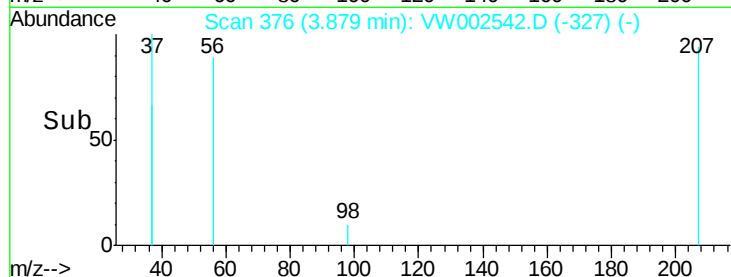
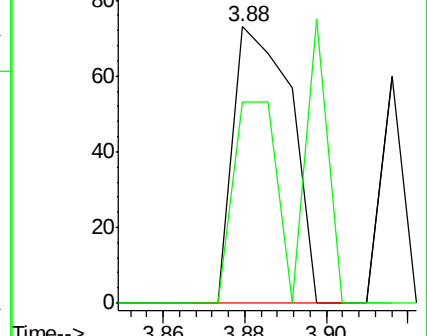
56 100

55 54.2 57.0 85.4#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#16

Acetone

Concen: 84.45 ug/l

RT: 4.12 min Scan# 416

Delta R.T. 0.01 min

Lab File: VW002542.D

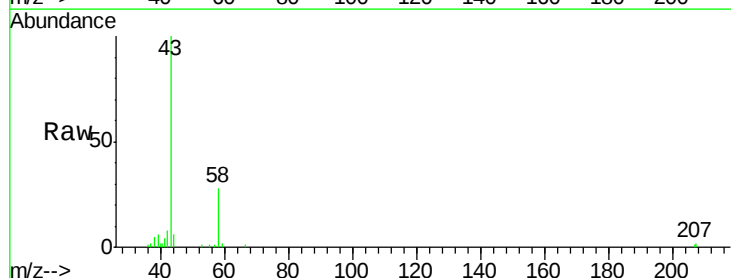
Acq: 15 May 2018 05:11

Tgt Ion: 43 Resp: 16591

Ion Ratio Lower Upper

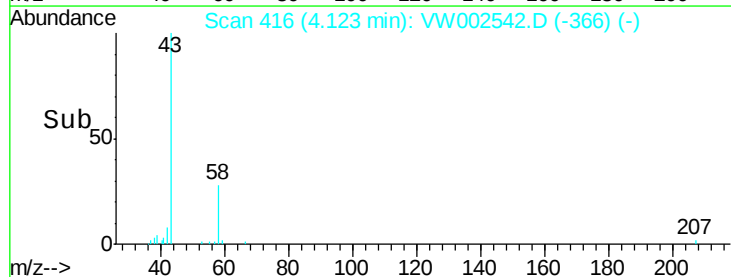
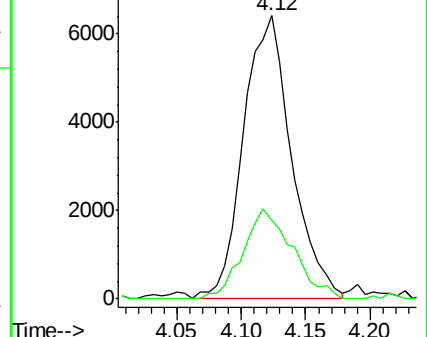
43 100

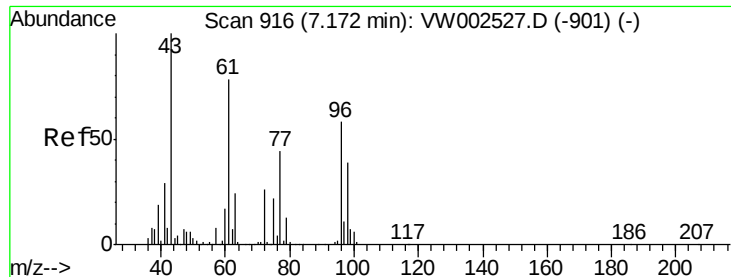
58 27.9 23.4 35.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

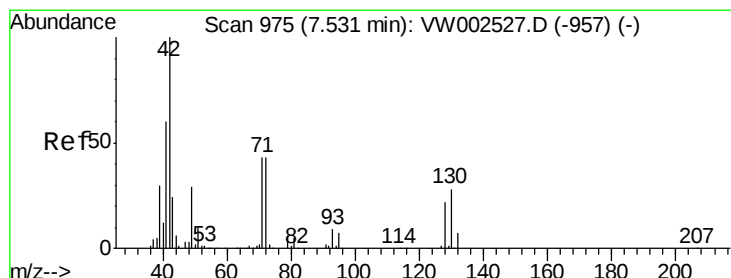
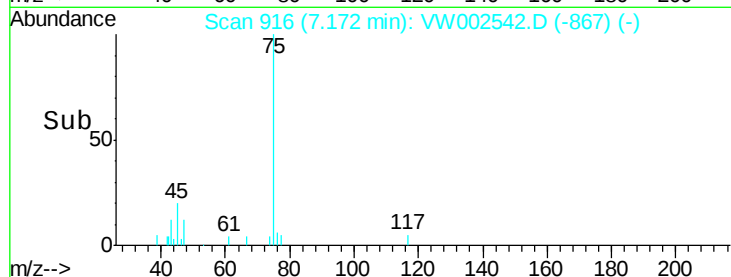
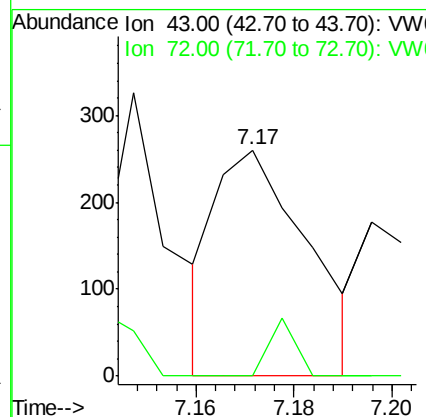
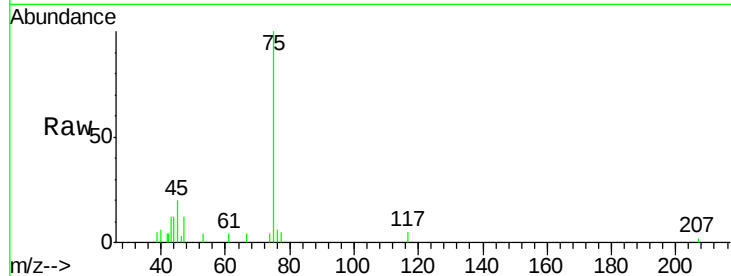




#25
2-Butanone
Concen: 1.22 ug/l
RT: 7.17 min Scan# 916
Delta R.T. -0.00 min
Lab File: VW002542.D
Acq: 15 May 2018 05:11

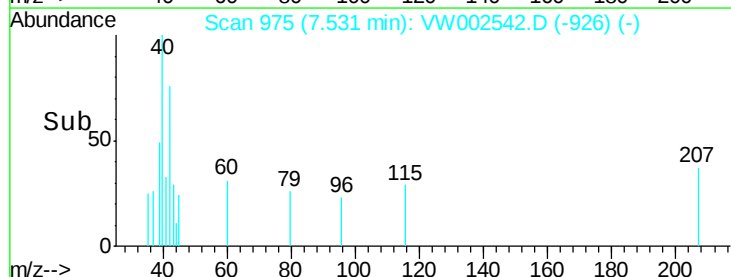
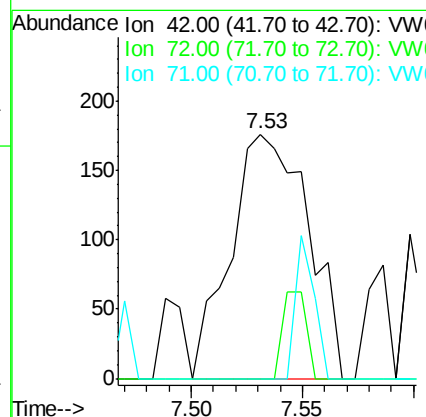
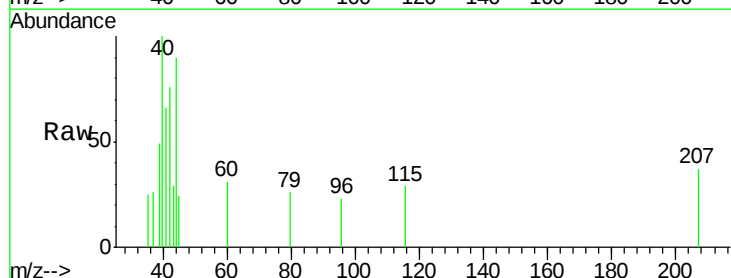
Instrument :
MSVOA_W
ClientSampled :
SP-B

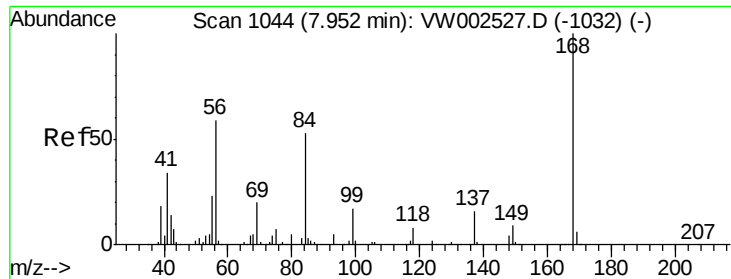
Tgt Ion: 43 Resp: 339
Ion Ratio Lower Upper
43 100
72 0.0 20.9 31.3#



#29
Tetrahydrofuran
Concen: 2.47 ug/l
RT: 7.53 min Scan# 975
Delta R.T. -0.00 min
Lab File: VW002542.D
Acq: 15 May 2018 05:11

Tgt Ion: 42 Resp: 428
Ion Ratio Lower Upper
42 100
72 10.5 35.0 52.4#
71 13.8 33.0 49.6#

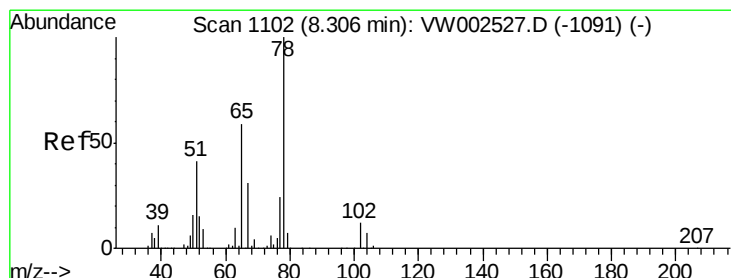
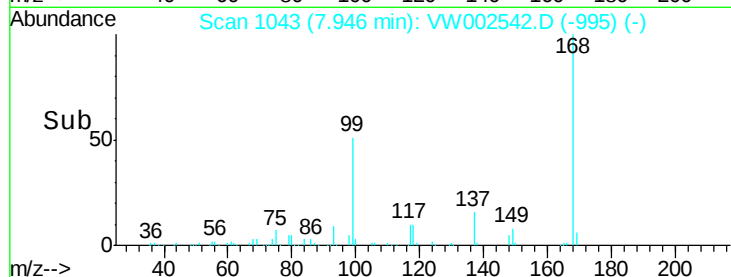
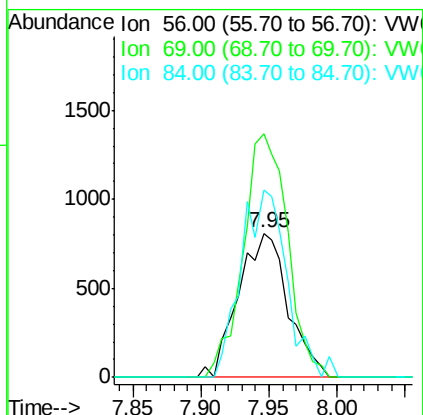
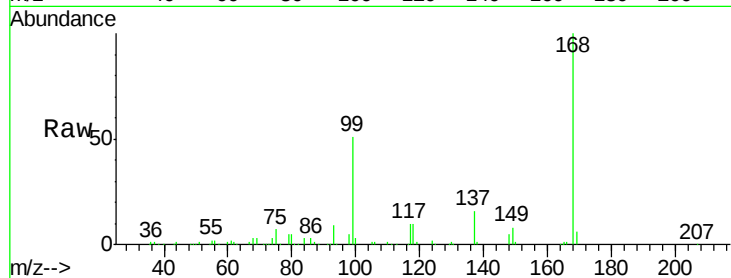




#31
Cyclohexane
Concen: 1.57 ug/l
RT: 7.95 min Scan# 1043
Delta R.T. -0.01 min
Lab File: VW002542.D
Acq: 15 May 2018 05:11

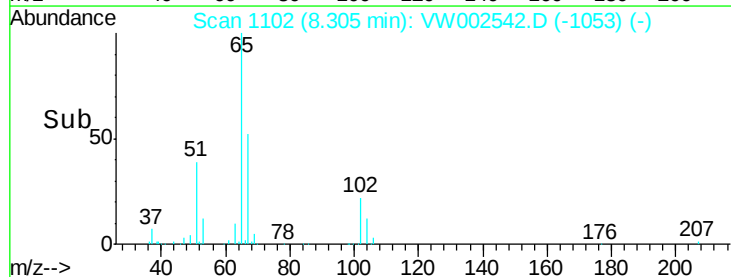
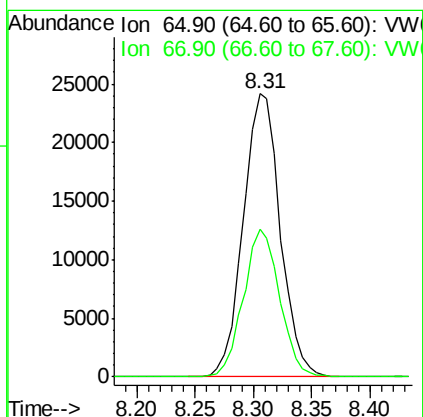
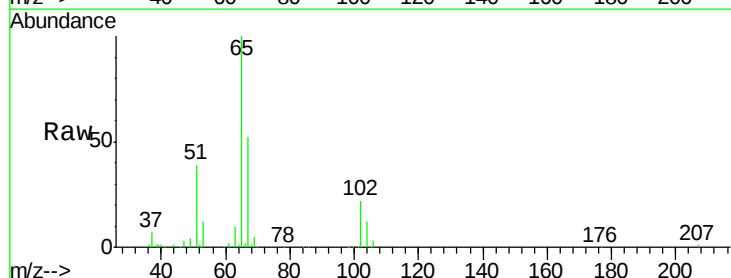
Instrument :
MSVOA_W
ClientSampled :
SP-B

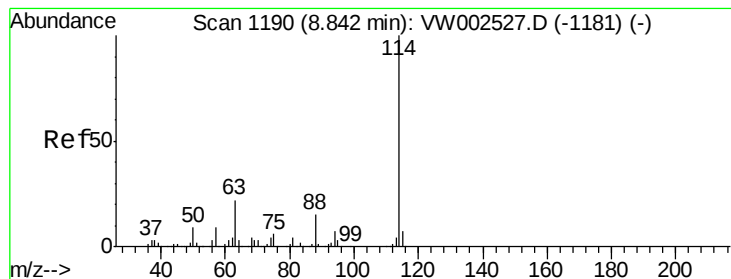
Tgt Ion: 56 Resp: 2069
Ion Ratio Lower Upper
56 100
69 168.9 27.0 40.4#
84 129.6 72.2 108.2#



#33
1,2-Dichloroethane-d4
Concen: 57.32 ug/l
RT: 8.31 min Scan# 1102
Delta R.T. -0.00 min
Lab File: VW002542.D
Acq: 15 May 2018 05:11

Tgt Ion: 65 Resp: 53342
Ion Ratio Lower Upper
65 100
67 51.2 0.0 104.4





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.85 min Scan# 1191

Delta R.T. 0.01 min

Lab File: VW002542.D

Acq: 15 May 2018 05:11

Instrument :

MSVOA_W

ClientSampled :

SP-B

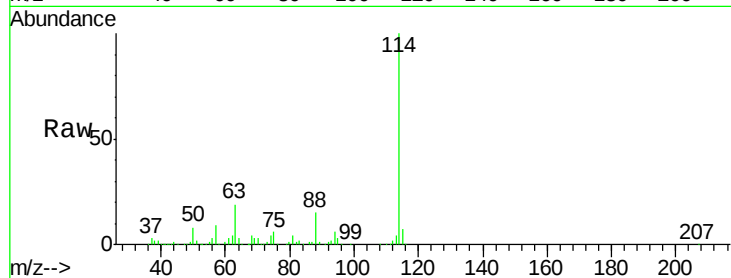
Tgt Ion:114 Resp: 153073

Ion Ratio Lower Upper

114 100

63 18.9 0.0 43.2

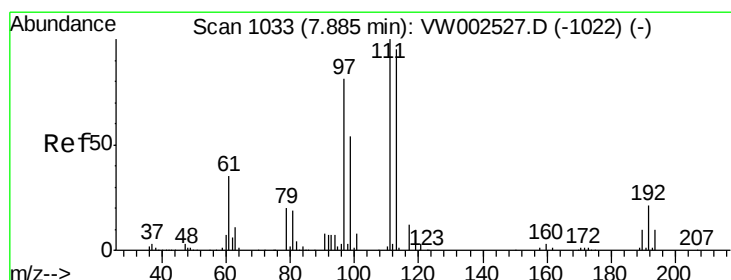
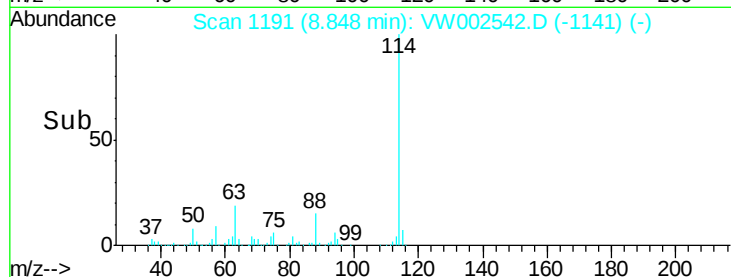
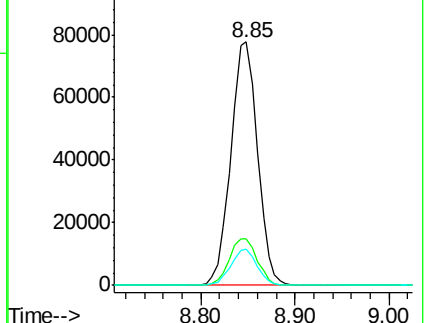
88 14.8 0.0 29.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW



#35

Dibromofluoromethane

Concen: 46.76 ug/l

RT: 7.88 min Scan# 1033

Delta R.T. -0.00 min

Lab File: VW002542.D

Acq: 15 May 2018 05:11

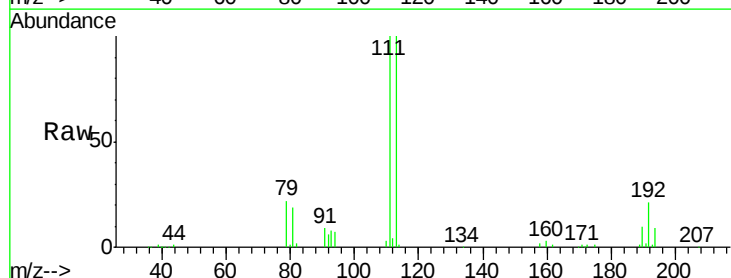
Tgt Ion:113 Resp: 45411

Ion Ratio Lower Upper

113 100

111 101.6 81.8 122.8

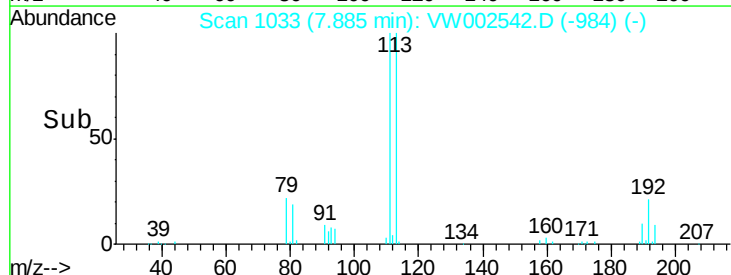
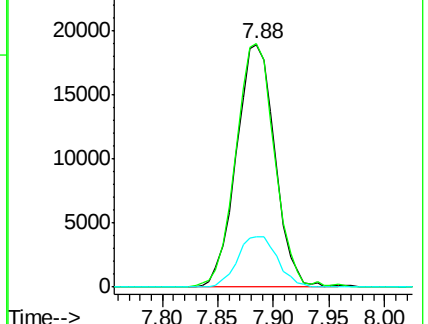
192 21.8 17.5 26.3

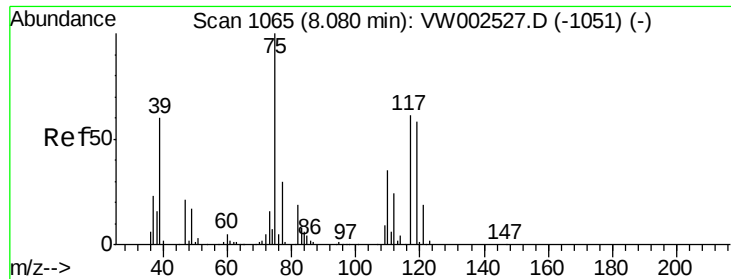


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

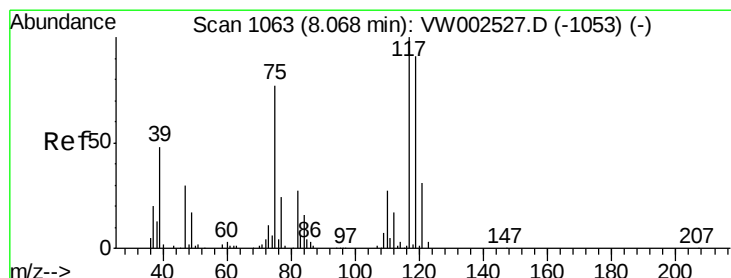
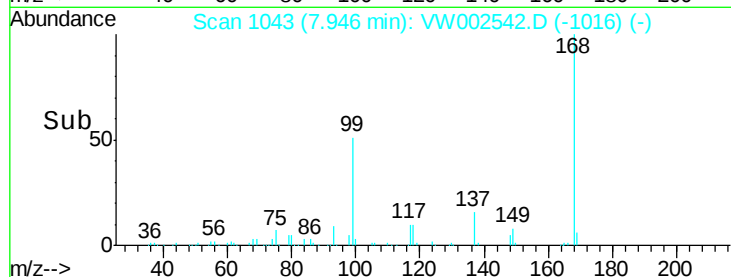
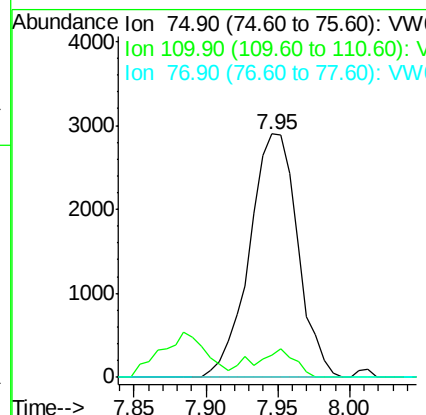
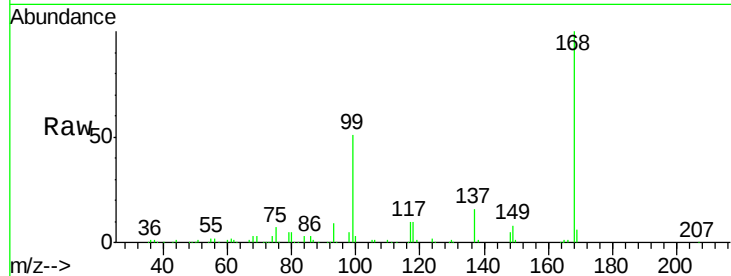




#36
 1,1-Dichloropropene
 Concen: 4.97 ug/l
 RT: 7.95 min Scan# 1043
 Delta R.T. -0.13 min
 Lab File: VW002542.D
 Acq: 15 May 2018 05:11

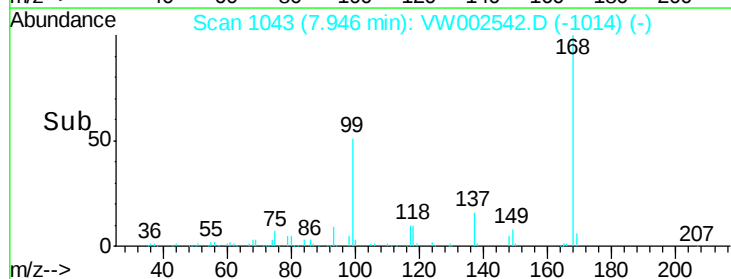
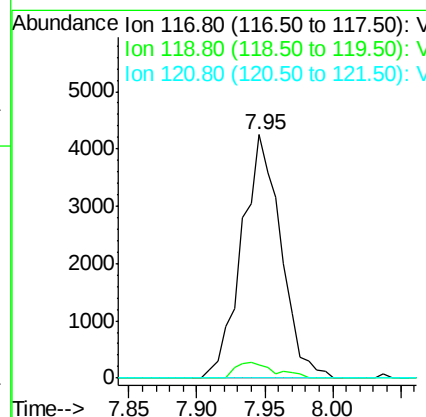
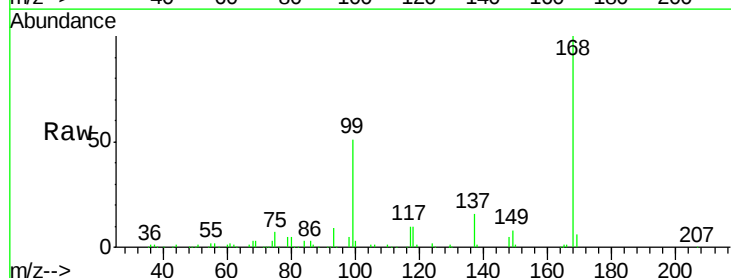
Instrument :
 MSVOA_W
 ClientSampled :
 SP-B

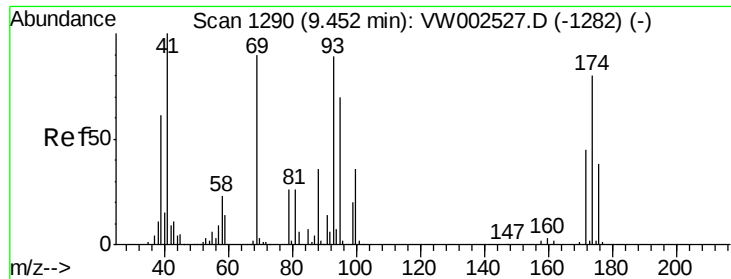
Tgt Ion: 75 Resp: 6718
 Ion Ratio Lower Upper
 75 100
 110 7.1 17.8 53.5#
 77 0.0 24.5 36.7#



#38
 Carbon Tetrachloride
 Concen: 6.48 ug/l
 RT: 7.95 min Scan# 1043
 Delta R.T. -0.12 min
 Lab File: VW002542.D
 Acq: 15 May 2018 05:11

Tgt Ion: 117 Resp: 8575
 Ion Ratio Lower Upper
 117 100
 119 5.6 73.1 109.7#
 121 0.0 24.4 36.6#

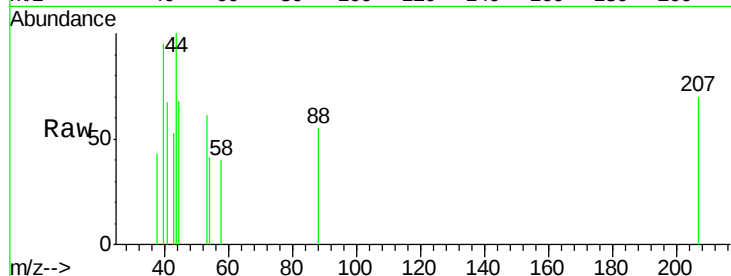




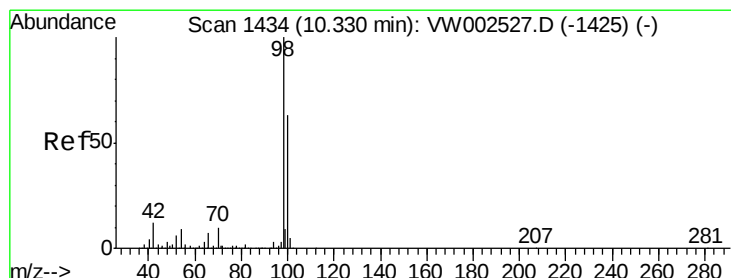
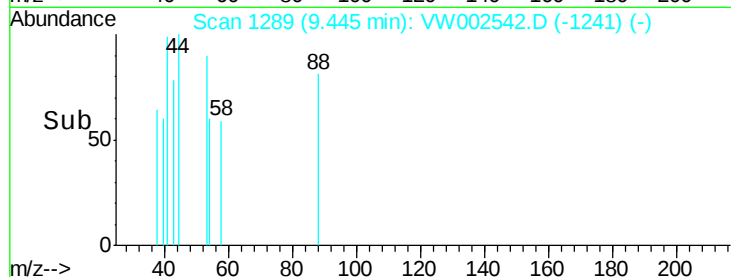
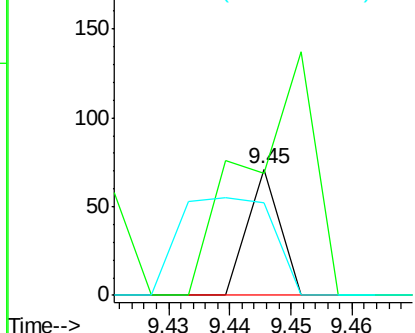
#49
1,4-Dioxane
Concen: 2.77 ug/l
RT: 9.45 min Scan# 1289
Delta R.T. -0.01 min
Lab File: VW002542.D
Acq: 15 May 2018 05:11

Instrument :
MSVOA_W
ClientSampleId :
SP-B

Tgt Ion: 88 Resp: 26
Ion Ratio Lower Upper
88 100
43 396.2 27.0 40.4#
58 226.9 56.9 85.3#

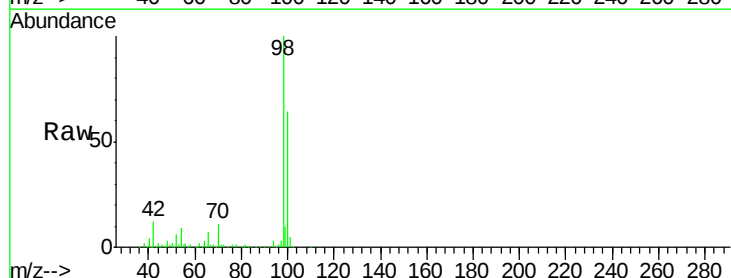


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

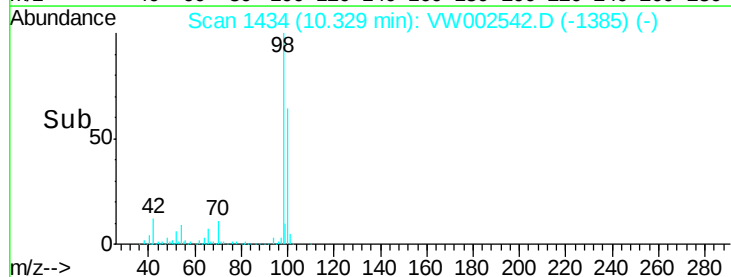
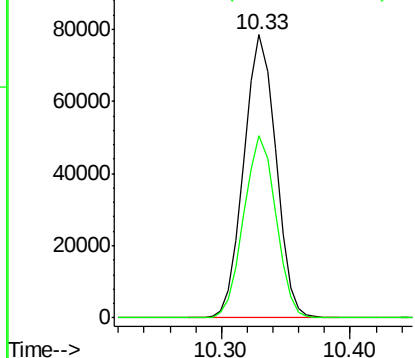


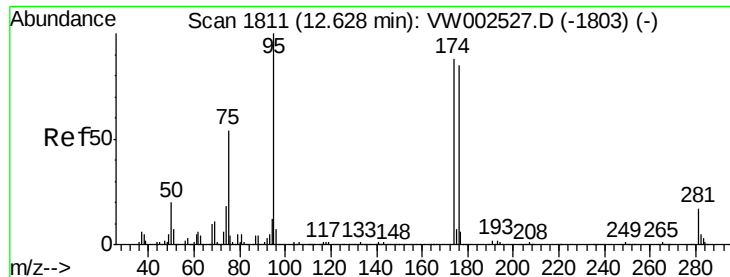
#50
Toluene-d8
Concen: 36.64 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. -0.00 min
Lab File: VW002542.D
Acq: 15 May 2018 05:11

Tgt Ion: 98 Resp: 135370
Ion Ratio Lower Upper
98 100
100 64.2 51.0 76.4



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW

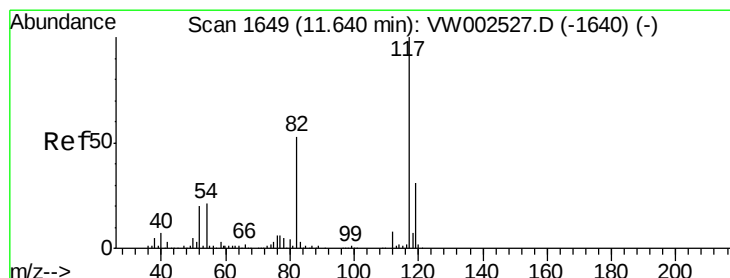
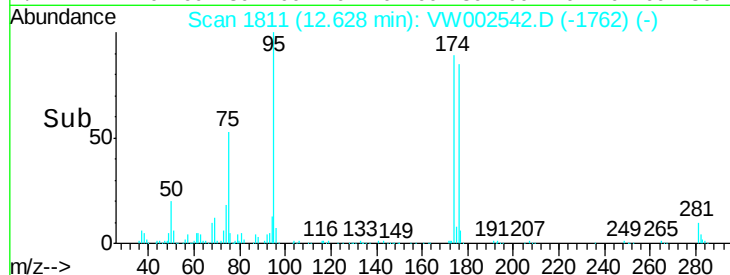
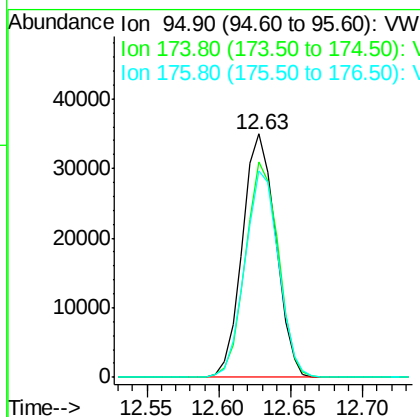
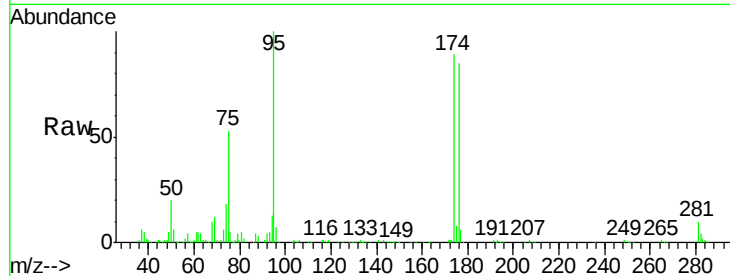




#62
4-Bromofluorobenzene
Concen: 41.49 ug/l
RT: 12.63 min Scan# 1811
Delta R.T. -0.00 min
Lab File: VW002542.D
Acq: 15 May 2018 05:11

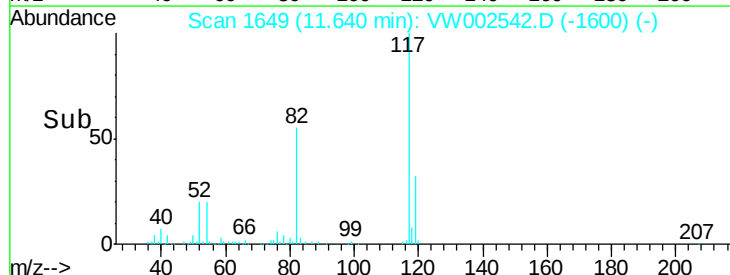
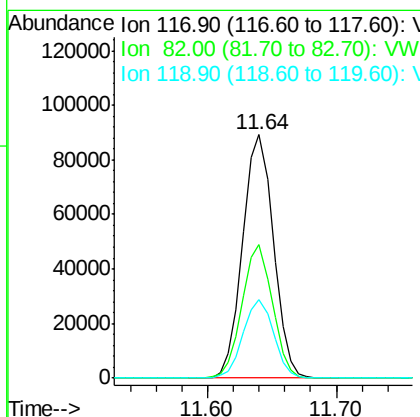
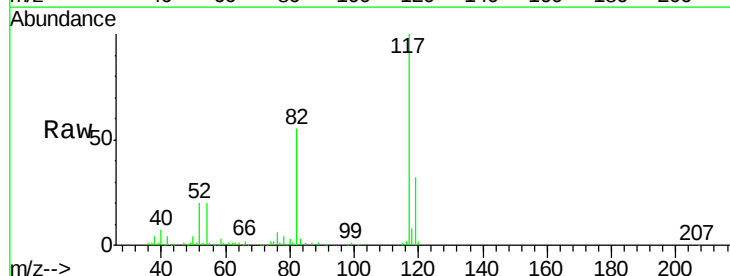
Instrument :
MSVOA_W
ClientSampleId :
SP-B

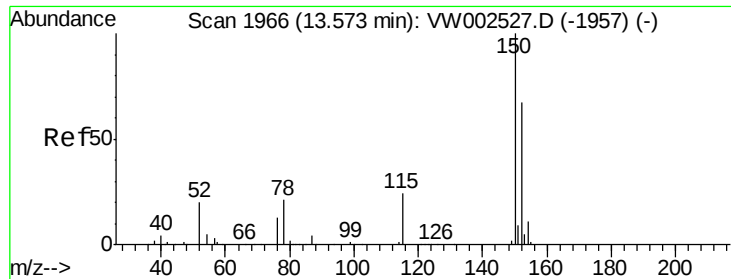
Tgt Ion: 95 Resp: 56051
Ion Ratio Lower Upper
95 100
174 87.5 0.0 176.6
176 85.3 0.0 172.2



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.64 min Scan# 1649
Delta R.T. -0.00 min
Lab File: VW002542.D
Acq: 15 May 2018 05:11

Tgt Ion: 117 Resp: 147648
Ion Ratio Lower Upper
117 100
82 54.6 42.6 64.0
119 32.3 25.0 37.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.57 min Scan# 1966

Delta R.T. -0.00 min

Lab File: VW002542.D

Acq: 15 May 2018 05:11

Instrument :

MSVOA_W

ClientSampled :

SP-B

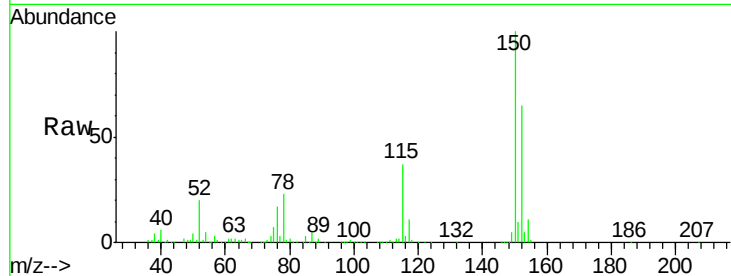
Tgt Ion:152 Resp: 72466

Ion Ratio Lower Upper

152 100

115 57.1 28.0 84.0

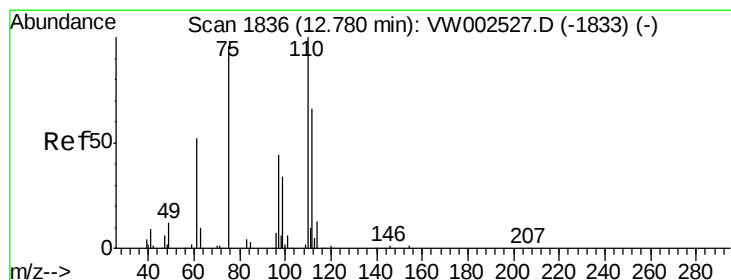
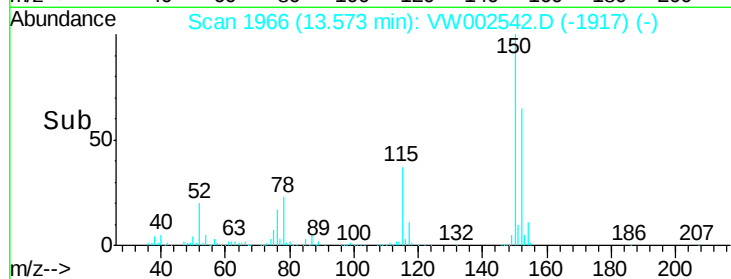
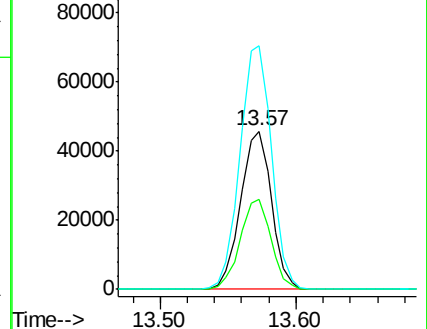
150 157.2 0.0 345.4



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: 41.85 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. -0.15 min

Lab File: VW002542.D

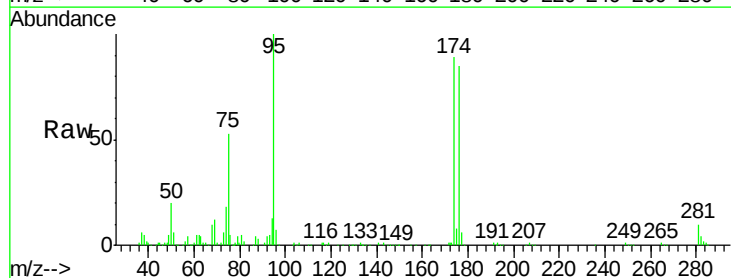
Acq: 15 May 2018 05:11

Tgt Ion: 75 Resp: 28665

Ion Ratio Lower Upper

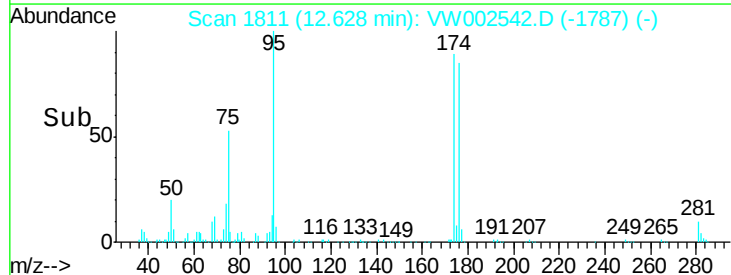
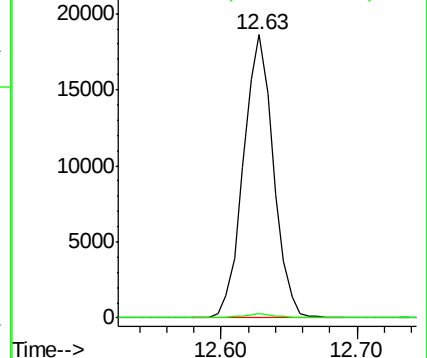
75 100

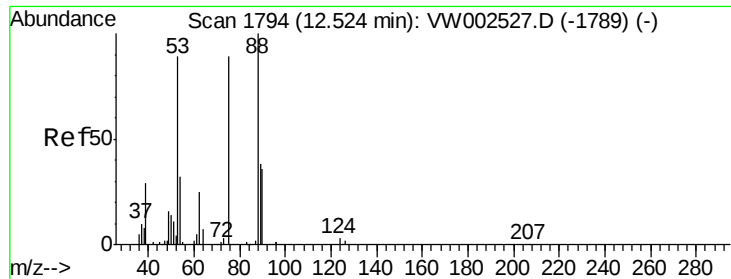
77 1.4 0.0 0.0#



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: 114.09 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. 0.10 min

Lab File: VW002542.D

Acq: 15 May 2018 05:11

Instrument :

MSVOA_W

ClientSampleId :

SP-B

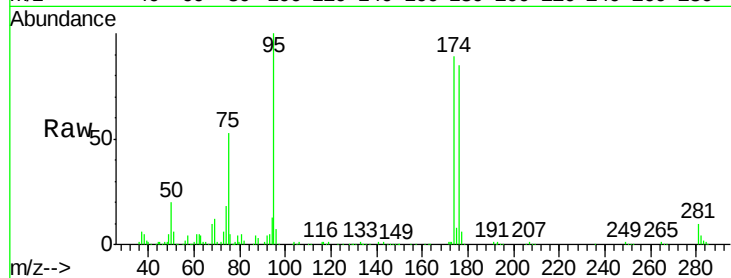
Tgt Ion: 75 Resp: 28665

Ion Ratio Lower Upper

75 100

53 0.2 82.6 124.0#

89 0.0 39.2 58.8#



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

