

Data Path : W:\HPCHEM1\MSVOA_W\DATA\VW051518\
 Data File : VW002543.D
 Acq On : 15 May 2018 05:36
 Operator : JC/SY
 Sample : J2822-03RE
 Misc : 5.21G/5ML/MSVOA_W/SOIL
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB01-01RE

Quant Time: May 15 07:34:10 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	69538	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	112411	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	117622	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	62679	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	45791	63.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	127.44%	
35) Dibromofluoromethane	7.88	113	40118	56.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.52%	
50) Toluene-d8	10.33	98	108846	40.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.24%	
62) 4-Bromofluorobenzene	12.63	95	47551	47.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.86%	

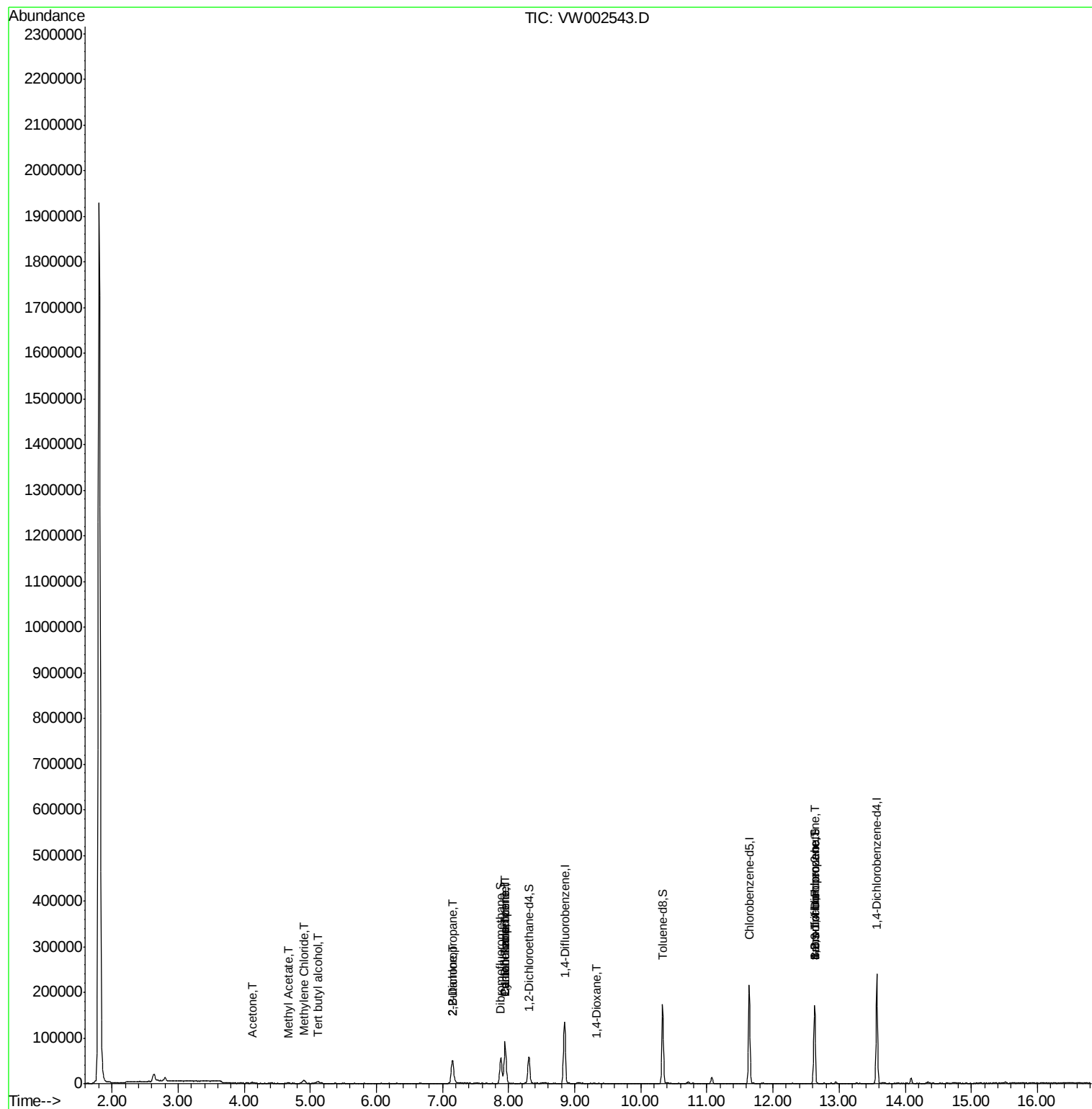
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.11	59	3569	64.61	ug/l #	72
16) Acetone	4.12	43	3789	24.98	ug/l #	86
18) Methyl Acetate	4.67	43	1243	2.81	ug/l #	70
20) Methylene Chloride	4.90	84	4255	4.55	ug/l	91
25) 2-Butanone	7.16	43	3048	14.21	ug/l	91
26) 2,2-Dichloropropane	7.15	77	3604	5.58	ug/l #	51
31) Cyclohexane	7.95	56	1563	1.53	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	5568	5.61	ug/l #	51
38) Carbon Tetrachloride	7.95	117	6585	6.78	ug/l #	20
49) 1,4-Dioxane	9.33	88	42	6.10	ug/l #	1
71) Bromoform	12.62	173	556	1.13	ug/l #	28
76) 1,2,3-Trichloropropane	12.63	75	24352	41.10	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	24352	112.06	ug/l #	8

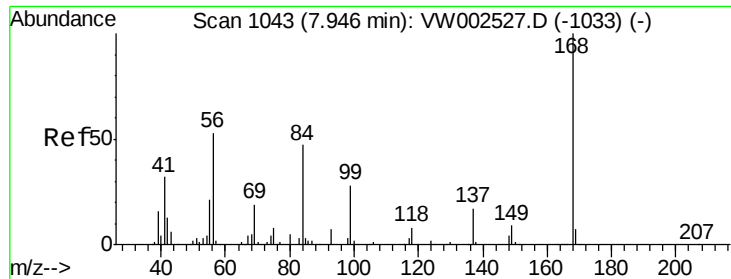
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VW002543.D

Acq: 15 May 2018 05:36

Instrument :

MSVOA_W

ClientSampleId :

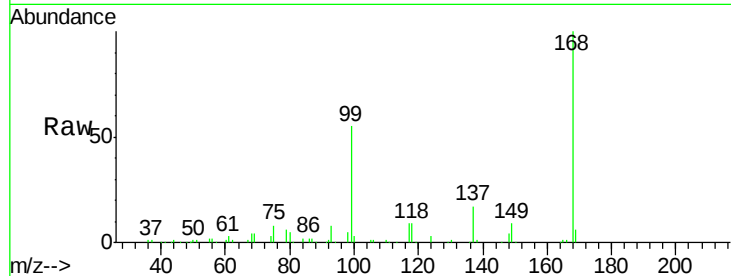
SB01-01RE

Tgt Ion: 168 Resp: 69538

Ion Ratio Lower Upper

168 100

99 55.0 42.6 64.0



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

30000

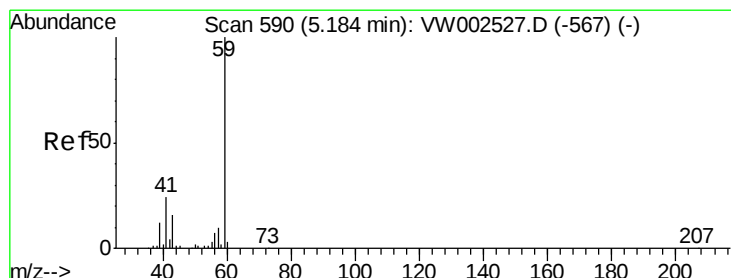
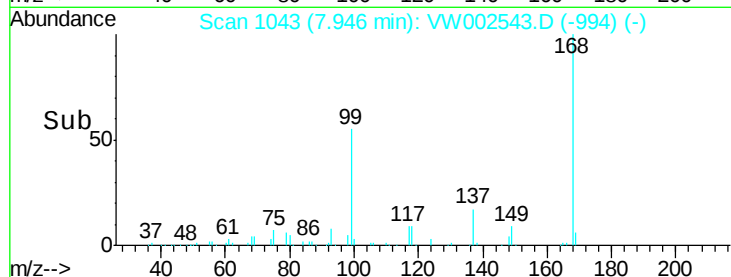
20000

10000

0

Time-->

7.85 7.90 7.95 8.00 8.05



#11

Tert butyl alcohol

Concen: 64.61 ug/l

RT: 5.11 min Scan# 578

Delta R.T. -0.07 min

Lab File: VW002543.D

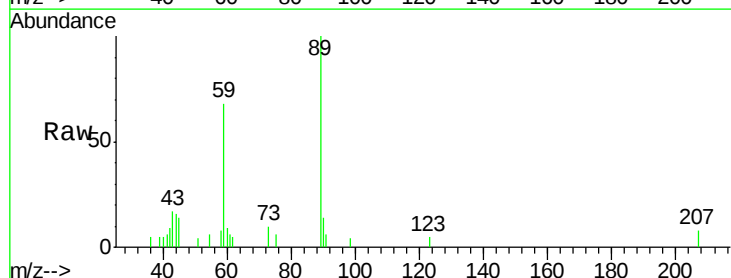
Acq: 15 May 2018 05:36

Tgt Ion: 59 Resp: 3569

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

5.11

1000

800

600

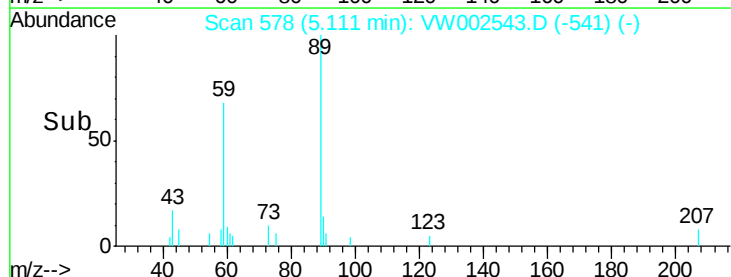
400

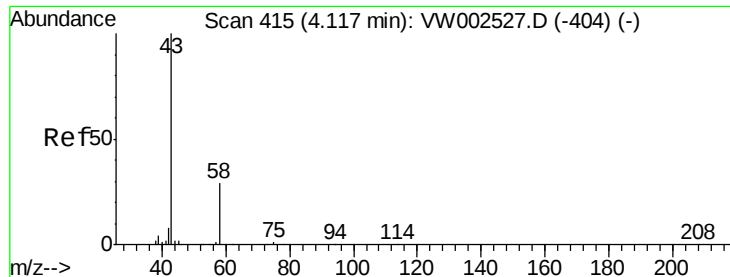
200

0

Time-->

5.00 5.10 5.20





#16

Acetone

Concen: 24.98 ug/l

RT: 4.12 min Scan# 416

Delta R.T. 0.01 min

Lab File: VW002543.D

Acq: 15 May 2018 05:36

Instrument :

MSVOA_W

ClientSampleId :

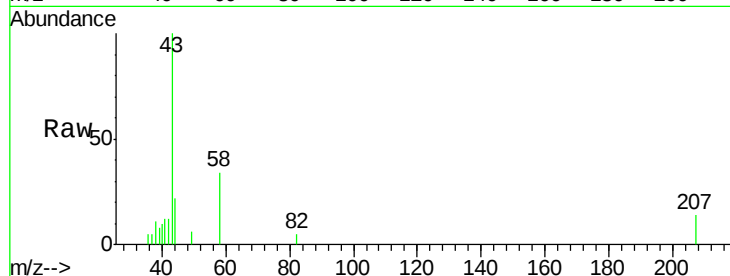
SB01-01RE

Tgt Ion: 43 Resp: 3789

Ion Ratio Lower Upper

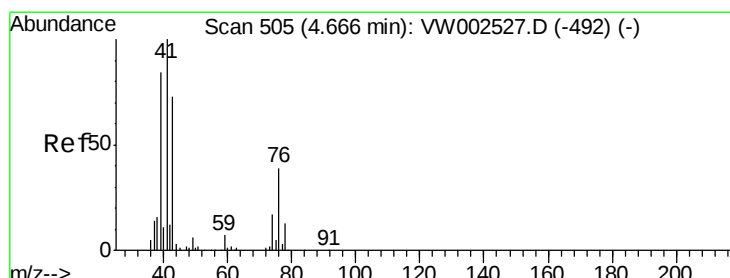
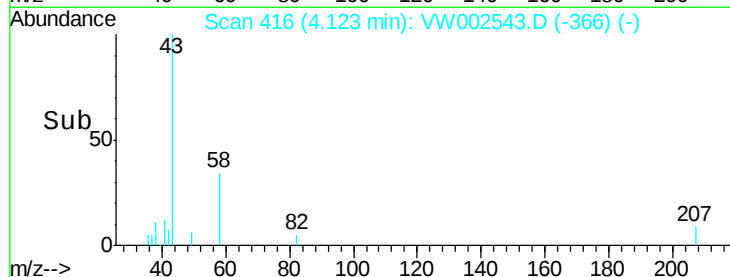
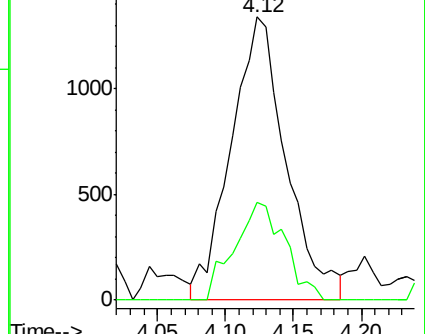
43 100

58 36.6 23.4 35.0#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#18

Methyl Acetate

Concen: 2.81 ug/l

RT: 4.67 min Scan# 506

Delta R.T. 0.01 min

Lab File: VW002543.D

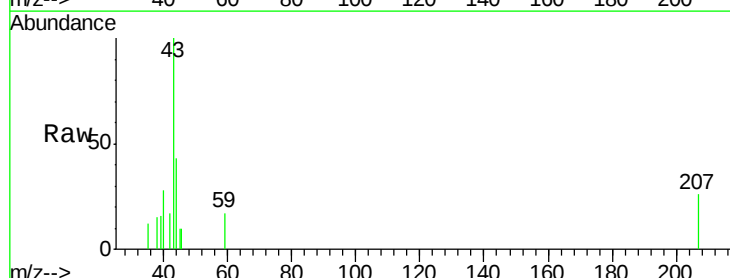
Acq: 15 May 2018 05:36

Tgt Ion: 43 Resp: 1243

Ion Ratio Lower Upper

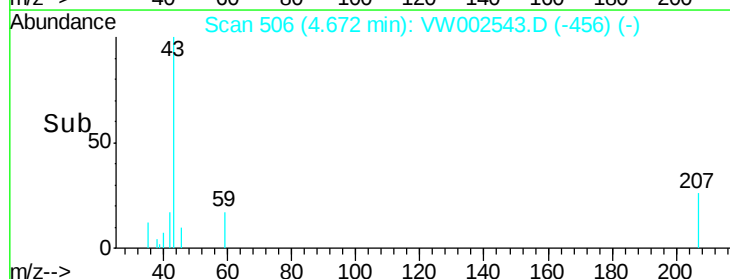
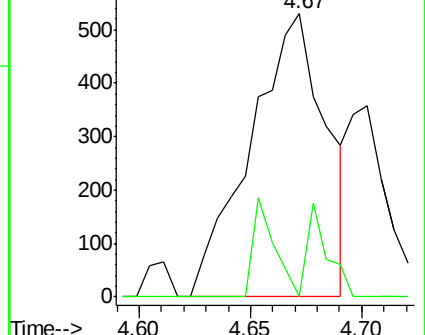
43 100

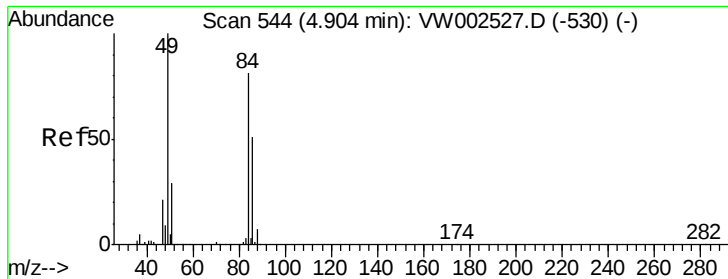
74 9.0 19.2 28.8#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

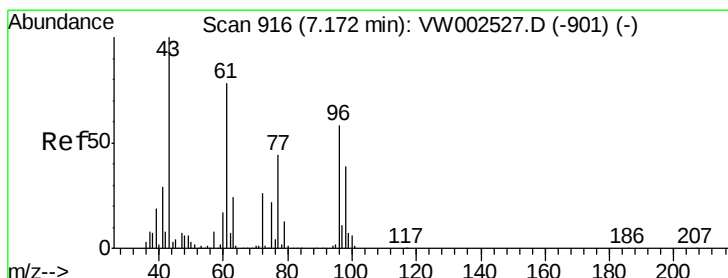
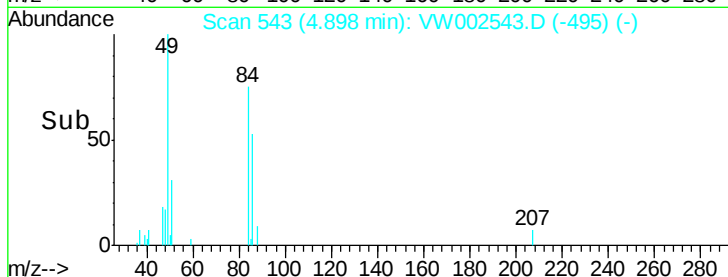
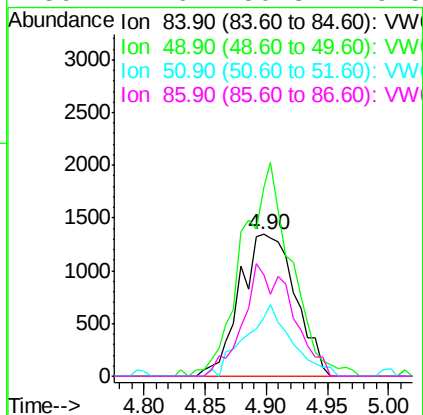
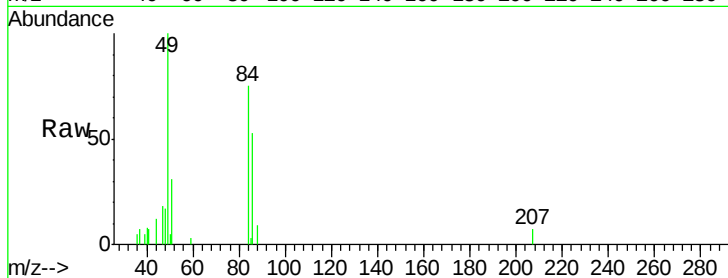




#20
Methylene Chloride
Concen: 4.55 ug/l
RT: 4.90 min Scan# 543
Delta R.T. -0.01 min
Lab File: VW002543.D
Acq: 15 May 2018 05:36

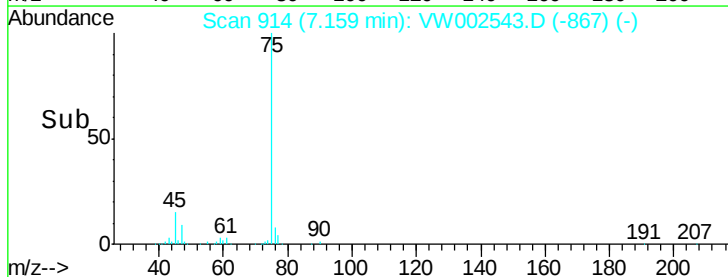
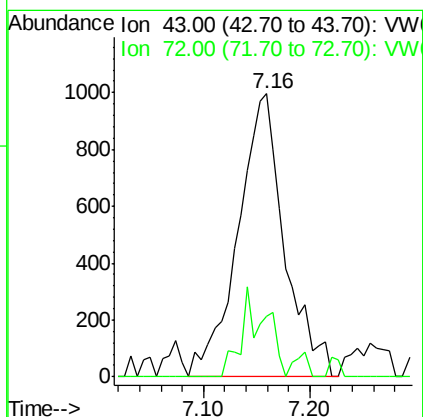
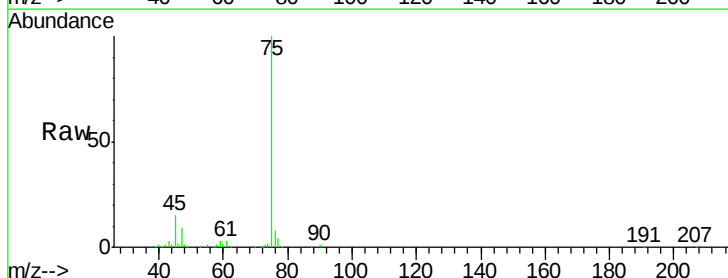
Instrument :
MSVOA_W
ClientSampleId :
SB01-01RE

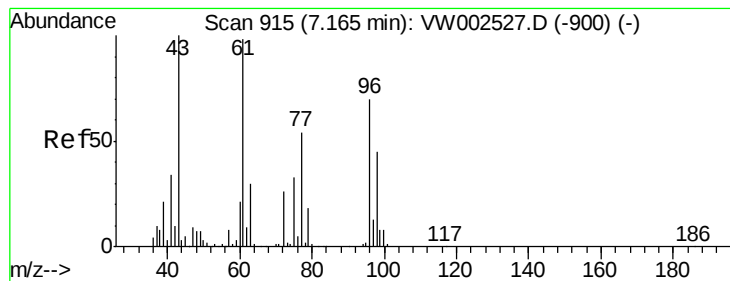
Tgt Ion:	84	Resp:	4255
Ion	Ratio	Lower	Upper
84	100		
49	134.1	99.4	149.0
51	41.7	29.0	43.6
86	71.6	50.3	75.5



#25
2-Butanone
Concen: 14.21 ug/l
RT: 7.16 min Scan# 914
Delta R.T. -0.01 min
Lab File: VW002543.D
Acq: 15 May 2018 05:36

Tgt Ion:	43	Resp:	3048
Ion	Ratio	Lower	Upper
43	100		
72	21.4	20.9	31.3





#26

2,2-Dichloropropane

Concen: 5.58 ug/l

RT: 7.15 min Scan# 912

Delta R.T. -0.02 min

Lab File: VW002543.D

Acq: 15 May 2018 05:36

Instrument :

MSVOA_W

ClientSampled :

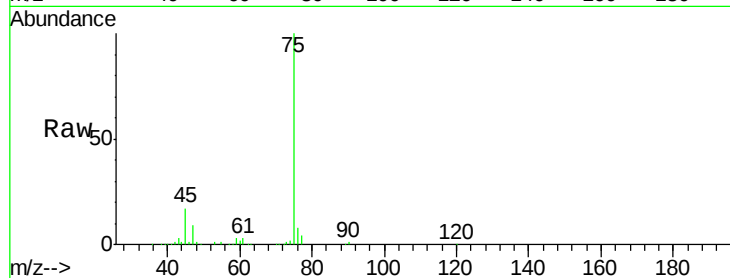
SB01-01RE

Tgt Ion: 77 Resp: 3604

Ion Ratio Lower Upper

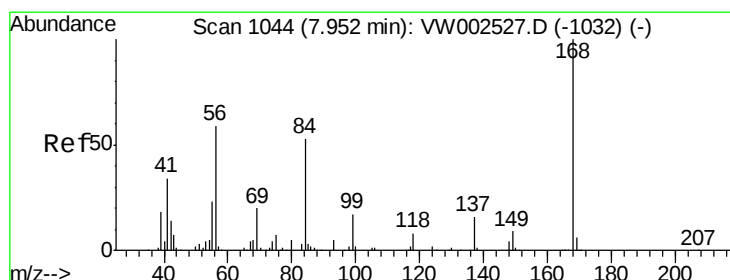
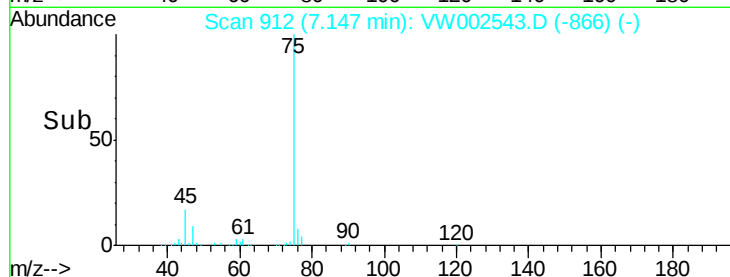
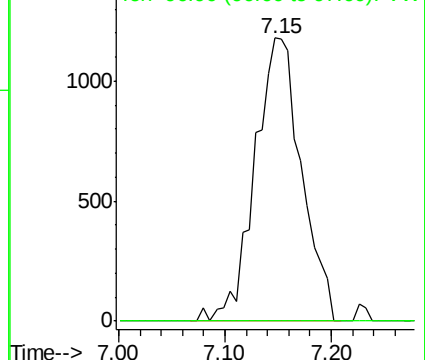
77 100

97 0.0 12.1 36.3#



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW



#31

Cyclohexane

Concen: 1.53 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VW002543.D

Acq: 15 May 2018 05:36

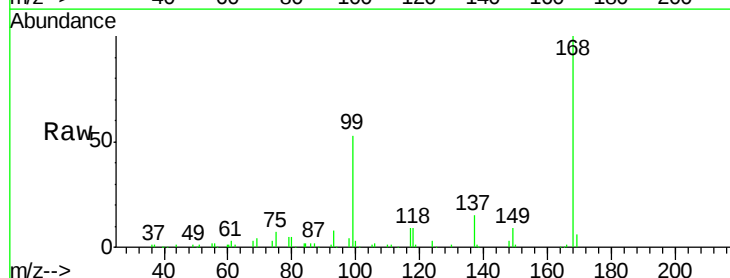
Tgt Ion: 56 Resp: 1563

Ion Ratio Lower Upper

56 100

69 180.3 27.0 40.4#

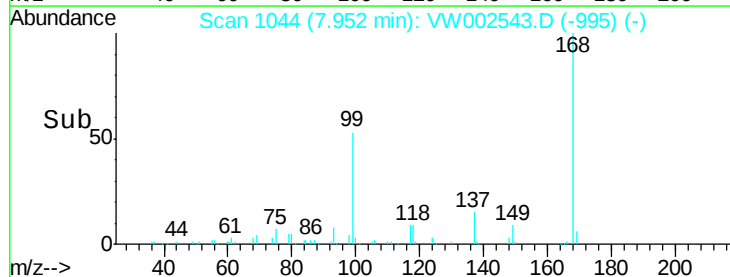
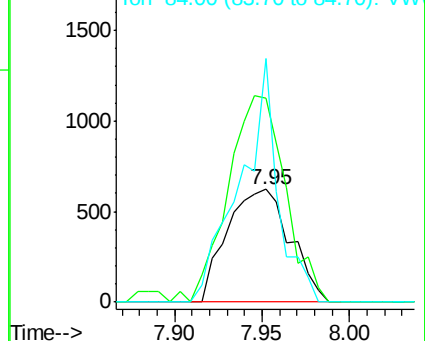
84 215.7 72.2 108.2#

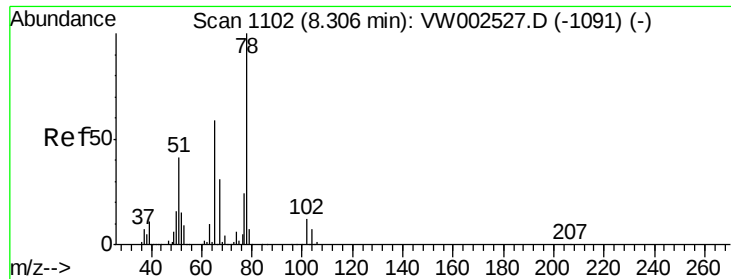


Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW

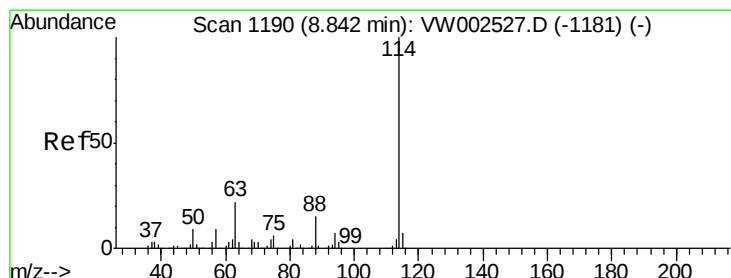
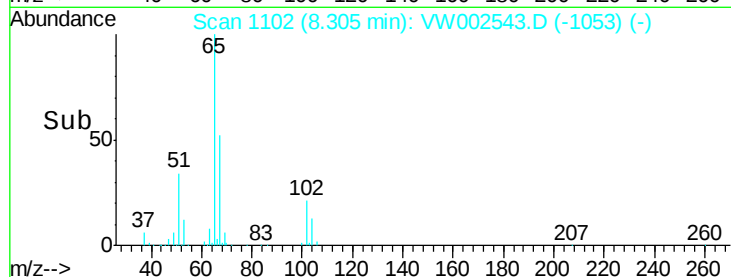
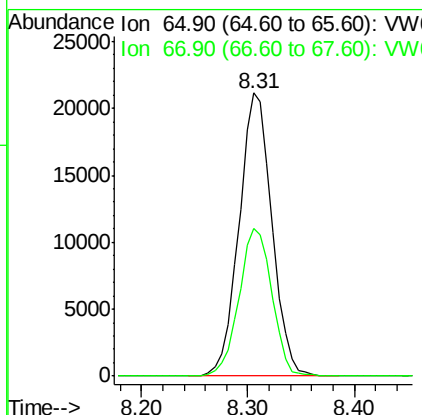
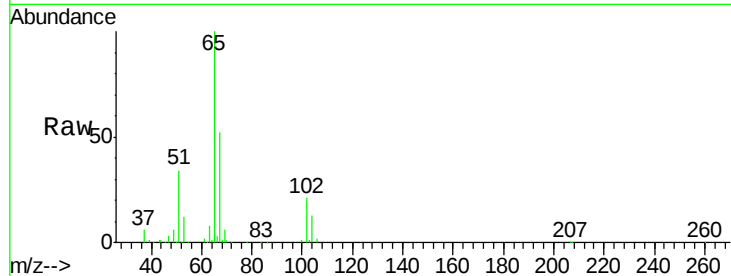




#33
 1,2-Dichloroethane-d4
 Concen: 63.72 ug/l
 RT: 8.31 min Scan# 1102
 Delta R.T. -0.00 min
 Lab File: VW002543.D
 Acq: 15 May 2018 05:36

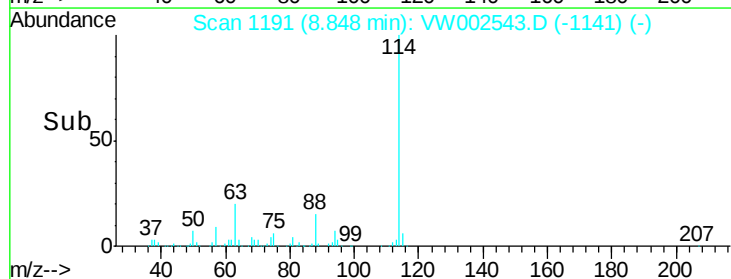
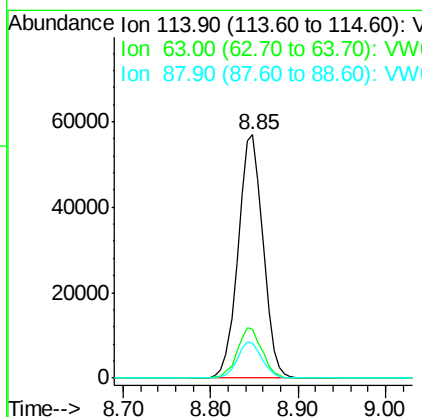
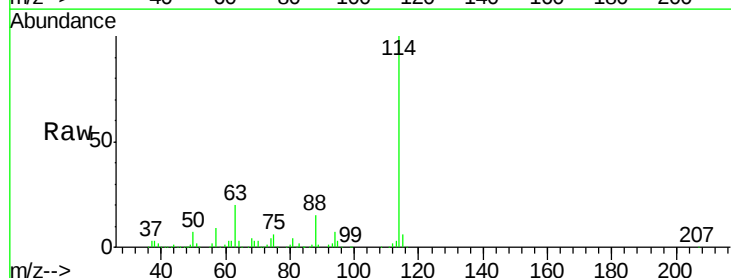
Instrument :
 MSVOA_W
 ClientSampleId :
 SB01-01RE

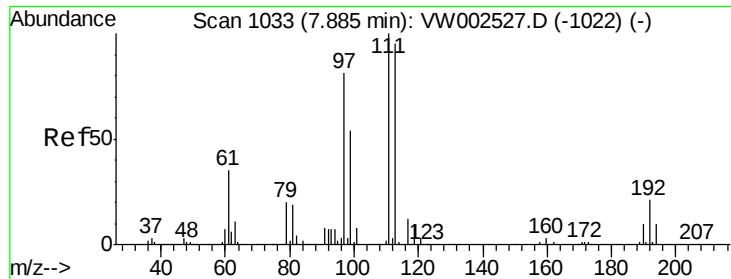
Tgt Ion: 65 Resp: 45791
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.01 min
 Lab File: VW002543.D
 Acq: 15 May 2018 05:36

Tgt Ion: 114 Resp: 112411
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 43.2
 88 14.5 0.0 29.2

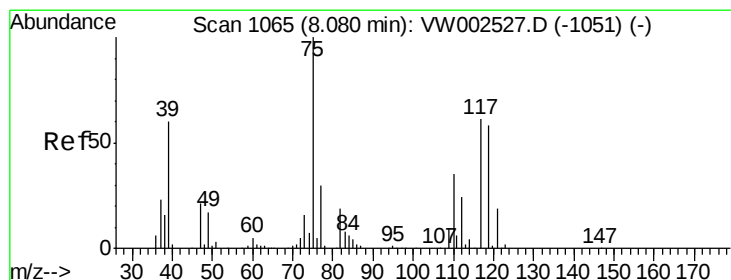
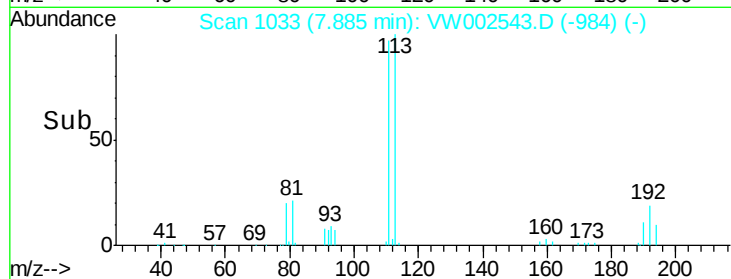
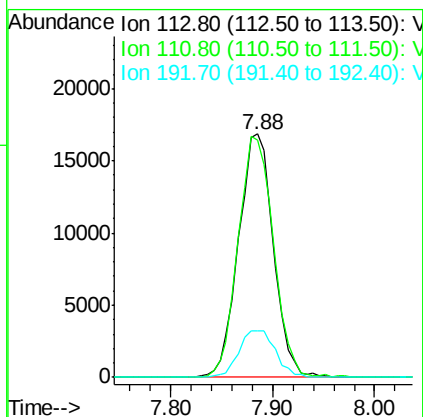
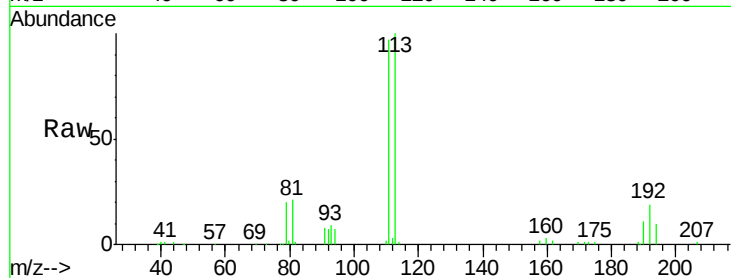




#35
 Dibromofluoromethane
 Concen: 56.26 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. -0.00 min
 Lab File: VW002543.D
 Acq: 15 May 2018 05:36

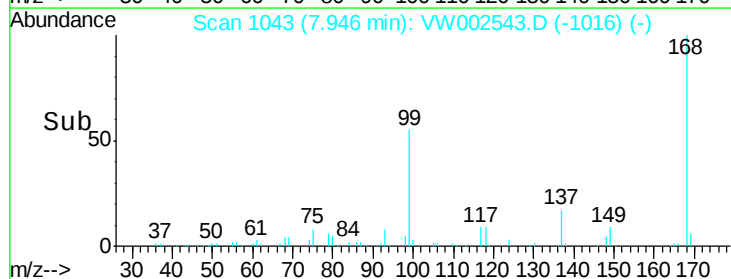
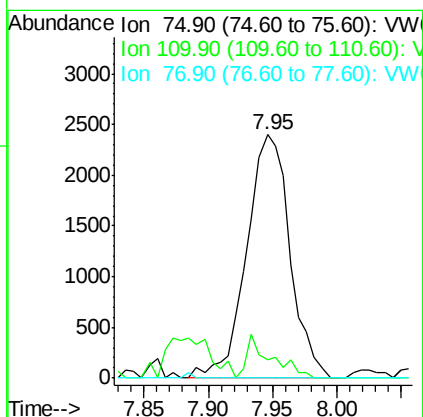
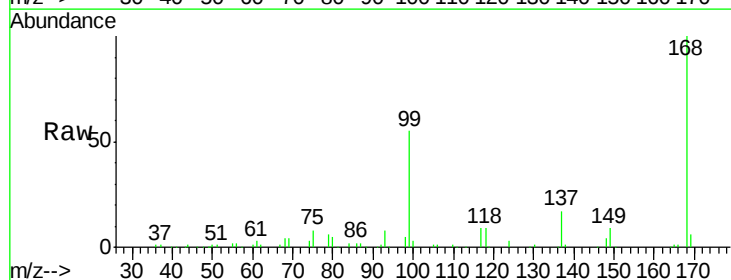
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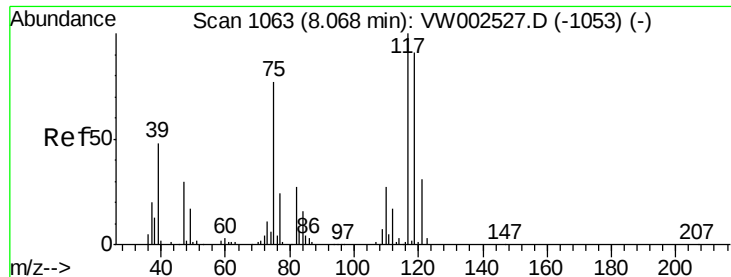
Tgt Ion: 113 Resp: 40118
 Ion Ratio Lower Upper
 113 100
 111 100.5 81.8 122.8
 192 20.3 17.5 26.3



#36
 1,1-Dichloropropene
 Concen: 5.61 ug/l
 RT: 7.95 min Scan# 1043
 Delta R.T. -0.13 min
 Lab File: VW002543.D
 Acq: 15 May 2018 05:36

Tgt Ion: 75 Resp: 5568
 Ion Ratio Lower Upper
 75 100
 110 10.2 17.8 53.5#
 77 0.0 24.5 36.7#

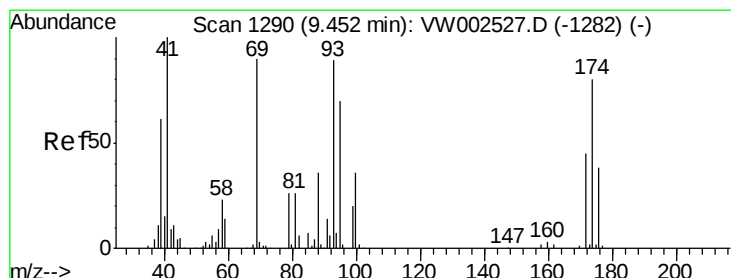
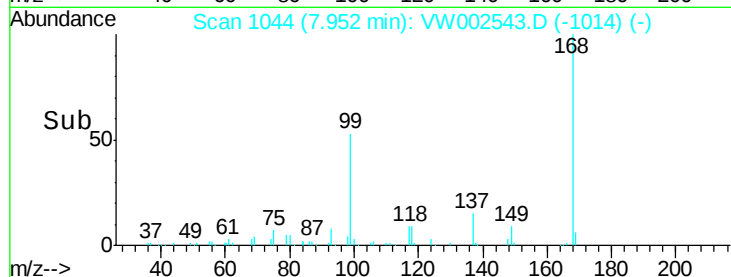
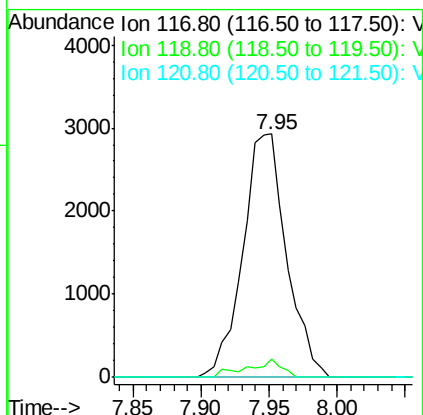
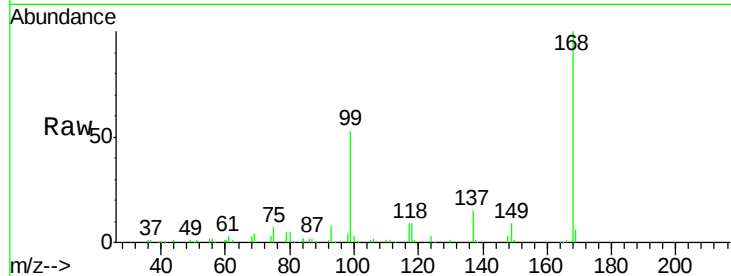




#38
Carbon Tetrachloride
Concen: 6.78 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. -0.12 min
Lab File: VW002543.D
Acq: 15 May 2018 05:36

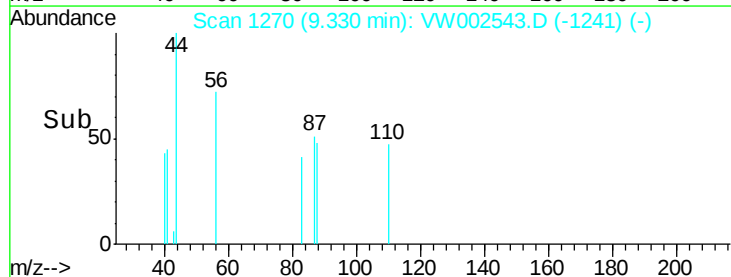
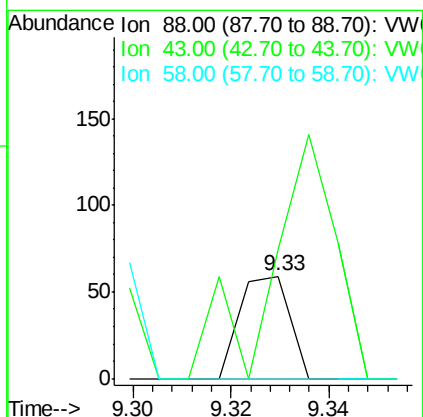
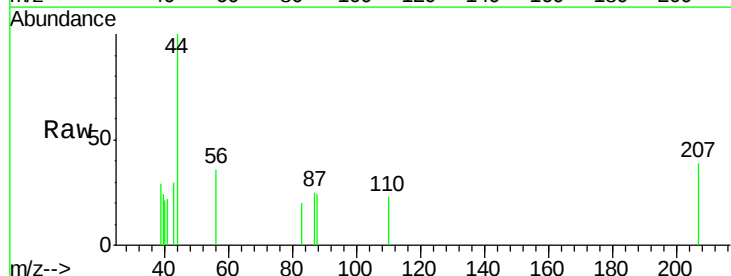
Instrument :
MSVOA_W
ClientSampleId :
SB01-01RE

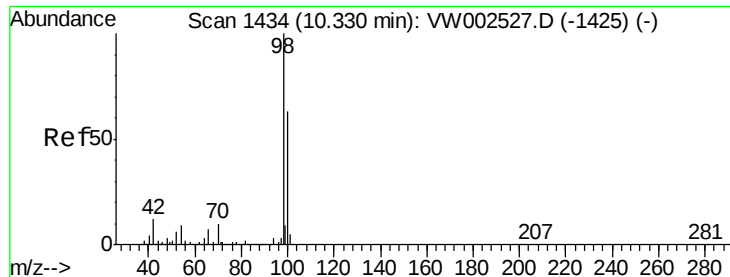
Tgt Ion: 117 Resp: 6585
Ion Ratio Lower Upper
117 100
119 7.8 73.1 109.7#
121 0.0 24.4 36.6#



#49
1,4-Dioxane
Concen: 6.10 ug/l
RT: 9.33 min Scan# 1270
Delta R.T. -0.12 min
Lab File: VW002543.D
Acq: 15 May 2018 05:36

Tgt Ion: 88 Resp: 42
Ion Ratio Lower Upper
88 100
43 307.1 27.0 40.4#
58 0.0 56.9 85.3#





#50

Toluene-d8

Concen: 40.12 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW002543.D

Acq: 15 May 2018 05:36

Instrument :

MSVOA_W

ClientSampleId :

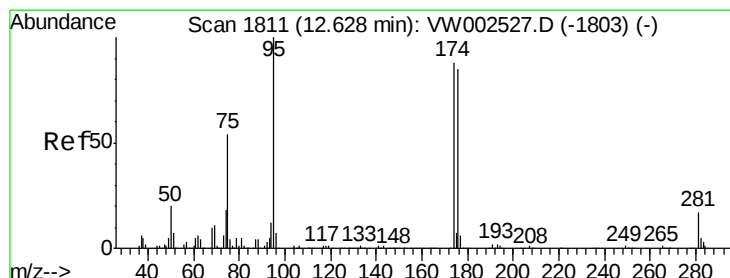
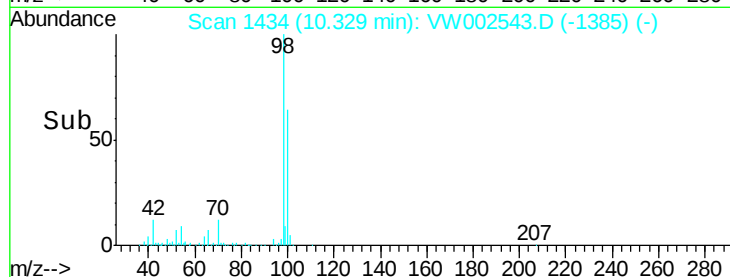
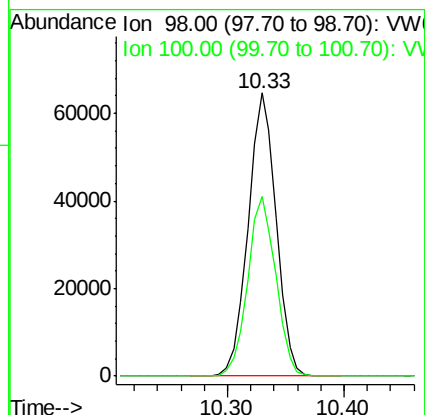
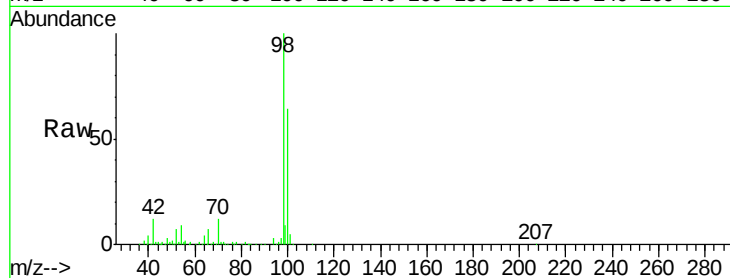
SB01-01RE

Tgt Ion: 98 Resp: 108846

Ion Ratio Lower Upper

98 100

100 63.3 51.0 76.4



#62

4-Bromofluorobenzene

Concen: 47.93 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW002543.D

Acq: 15 May 2018 05:36

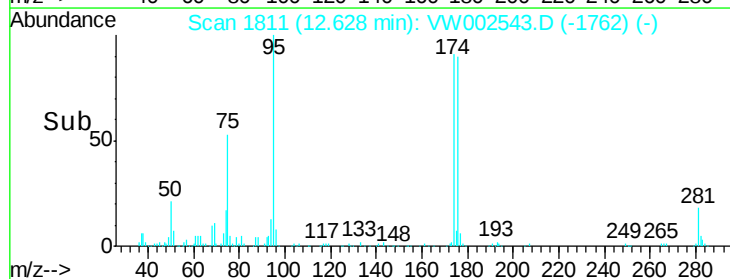
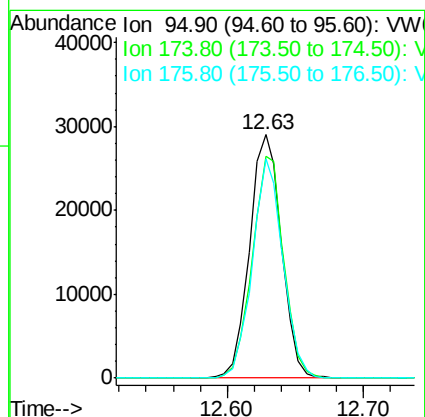
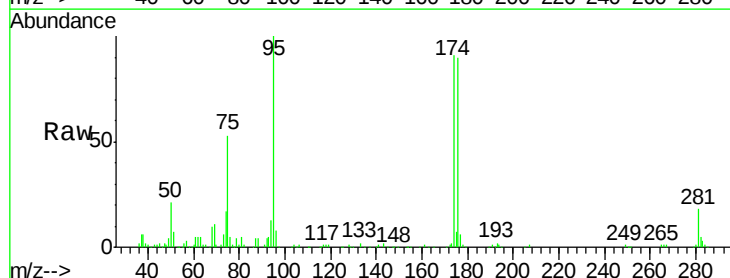
Tgt Ion: 95 Resp: 47551

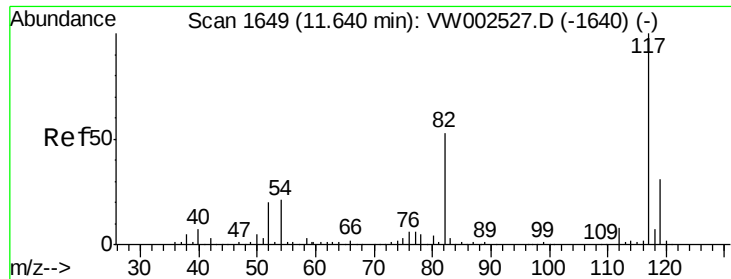
Ion Ratio Lower Upper

95 100

174 90.0 0.0 176.6

176 86.6 0.0 172.2

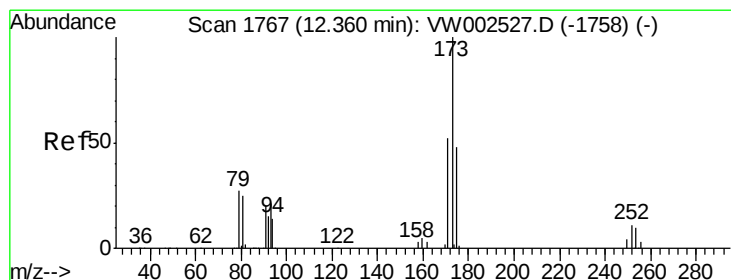
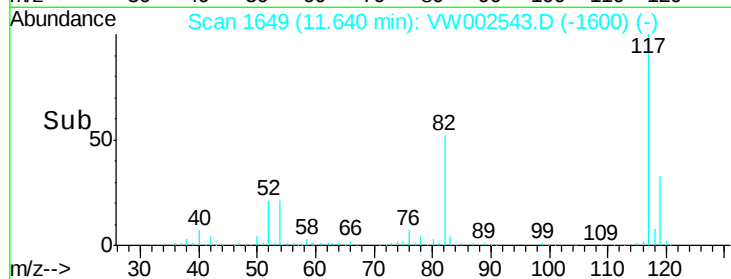
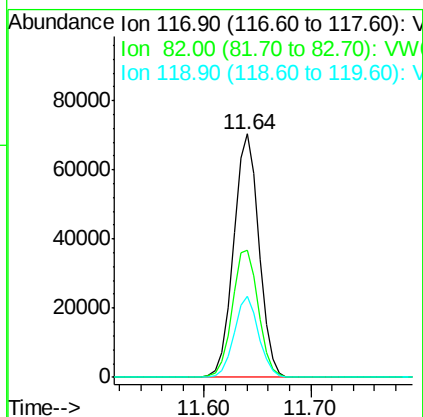
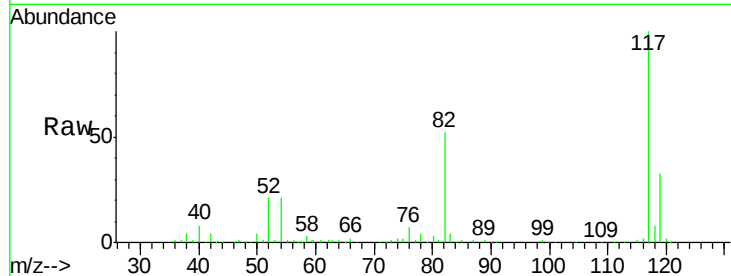




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.64 min Scan# 1649
Delta R.T. -0.00 min
Lab File: VW002543.D
Acq: 15 May 2018 05:36

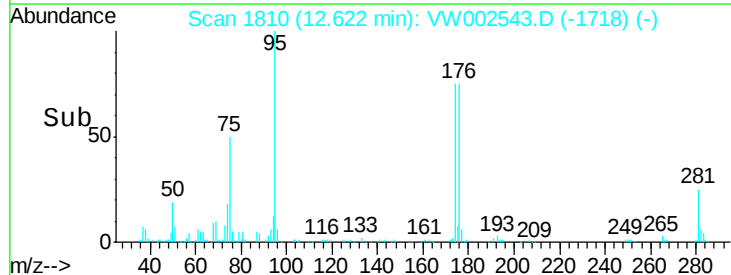
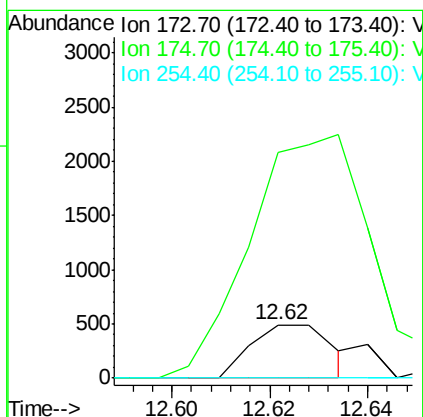
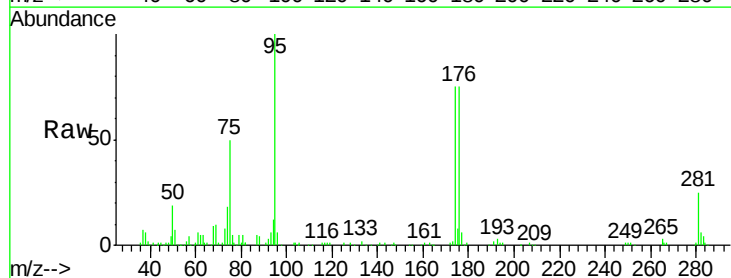
Instrument :
MSVOA_W
ClientSampleId :
SB01-01RE

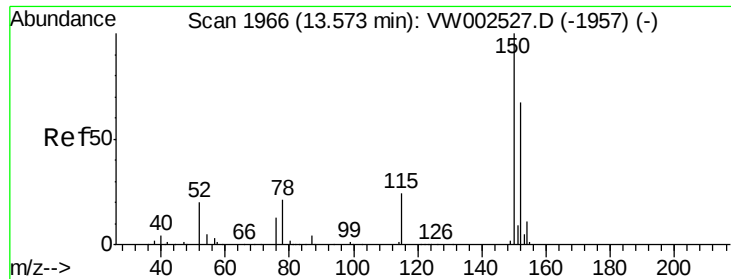
Tgt Ion:117 Resp: 117622
Ion Ratio Lower Upper
117 100
82 52.2 42.6 64.0
119 33.2 25.0 37.6



#71
Bromoform
Concen: 1.13 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. 0.26 min
Lab File: VW002543.D
Acq: 15 May 2018 05:36

Tgt Ion:173 Resp: 556
Ion Ratio Lower Upper
173 100
175 0.0 24.5 73.5#
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.57 min Scan# 1966

Delta R.T. -0.00 min

Lab File: VW002543.D

Acq: 15 May 2018 05:36

Instrument :

MSVOA_W

ClientSampleId :

SB01-01RE

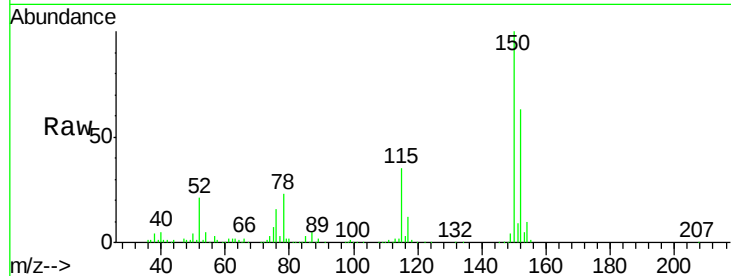
Tgt Ion:152 Resp: 62679

Ion Ratio Lower Upper

152 100

115 57.7 28.0 84.0

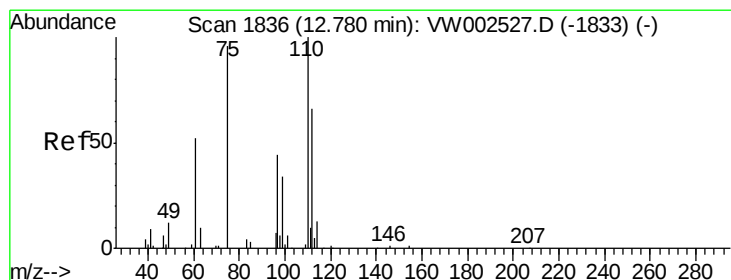
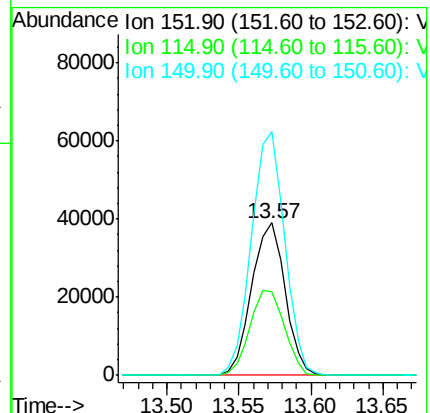
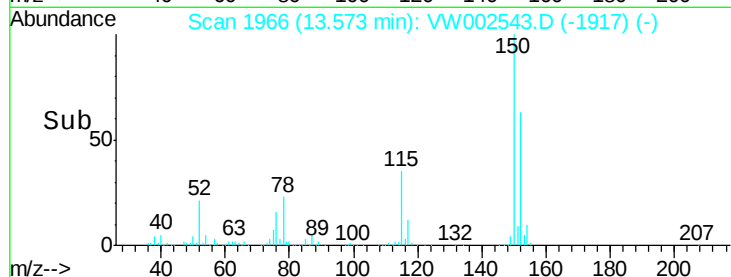
150 158.4 0.0 345.4



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: 41.10 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. -0.15 min

Lab File: VW002543.D

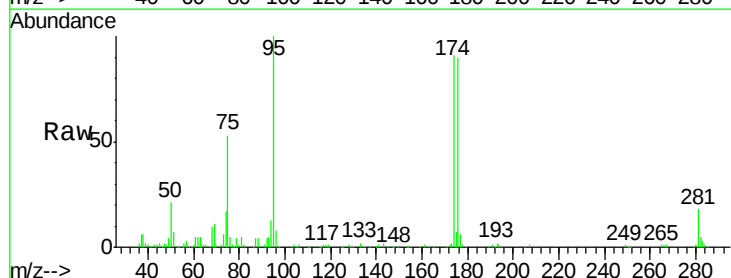
Acq: 15 May 2018 05:36

Tgt Ion: 75 Resp: 24352

Ion Ratio Lower Upper

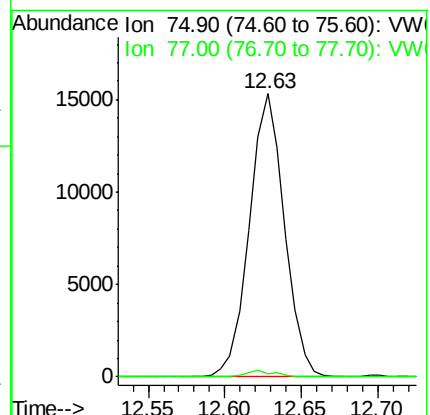
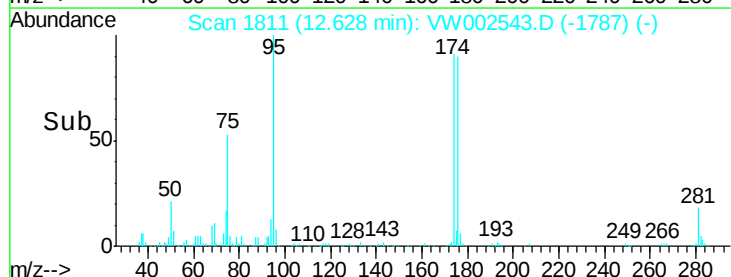
75 100

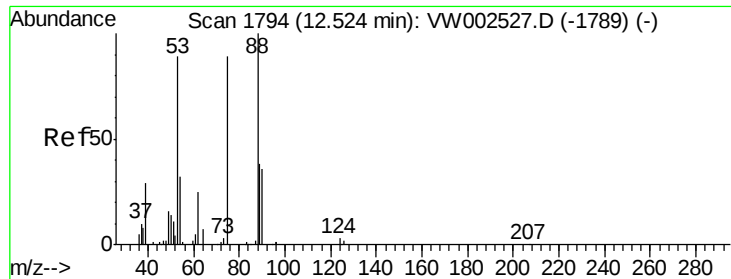
77 1.7 0.0 0.0#



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: 112.06 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. 0.10 min

Lab File: VW002543.D

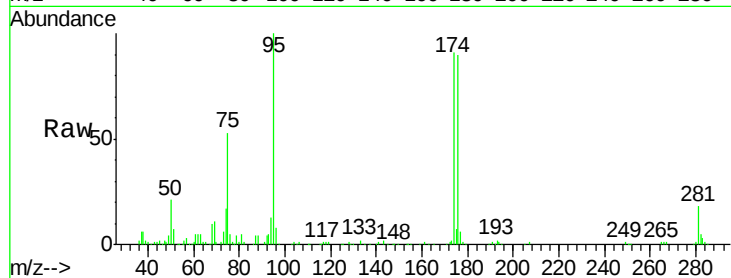
Acq: 15 May 2018 05:36

Instrument :

MSVOA_W

ClientSampleId :

SB01-01RE



Tgt Ion:	75	Resp:	24352
Ion	Ratio	Lower	Upper
75	100		
53	0.4	82.6	124.0#
89	0.1	39.2	58.8#

