

Data File : VW005093.D
Acq On : 04 Sep 2018 21:04
Operator : SY/AP
Sample : J4712-01
Misc : 5.72G/5ML/MSVOA_W/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SB-13

Quant Time: Sep 05 04:15:27 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W090118S.M
Quant Title : SW846 8260
QLast Update : Sat Sep 01 03:35:05 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	95514	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	121142	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	23507	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	35101	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	41810	52.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.62%	
35) Dibromofluoromethane	7.89	113	37729	53.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.78%	
50) Toluene-d8	10.33	98	19037	5.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.80%	
62) 4-Bromofluorobenzene	12.62	95	24761	21.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	43.54%	

Target Compounds

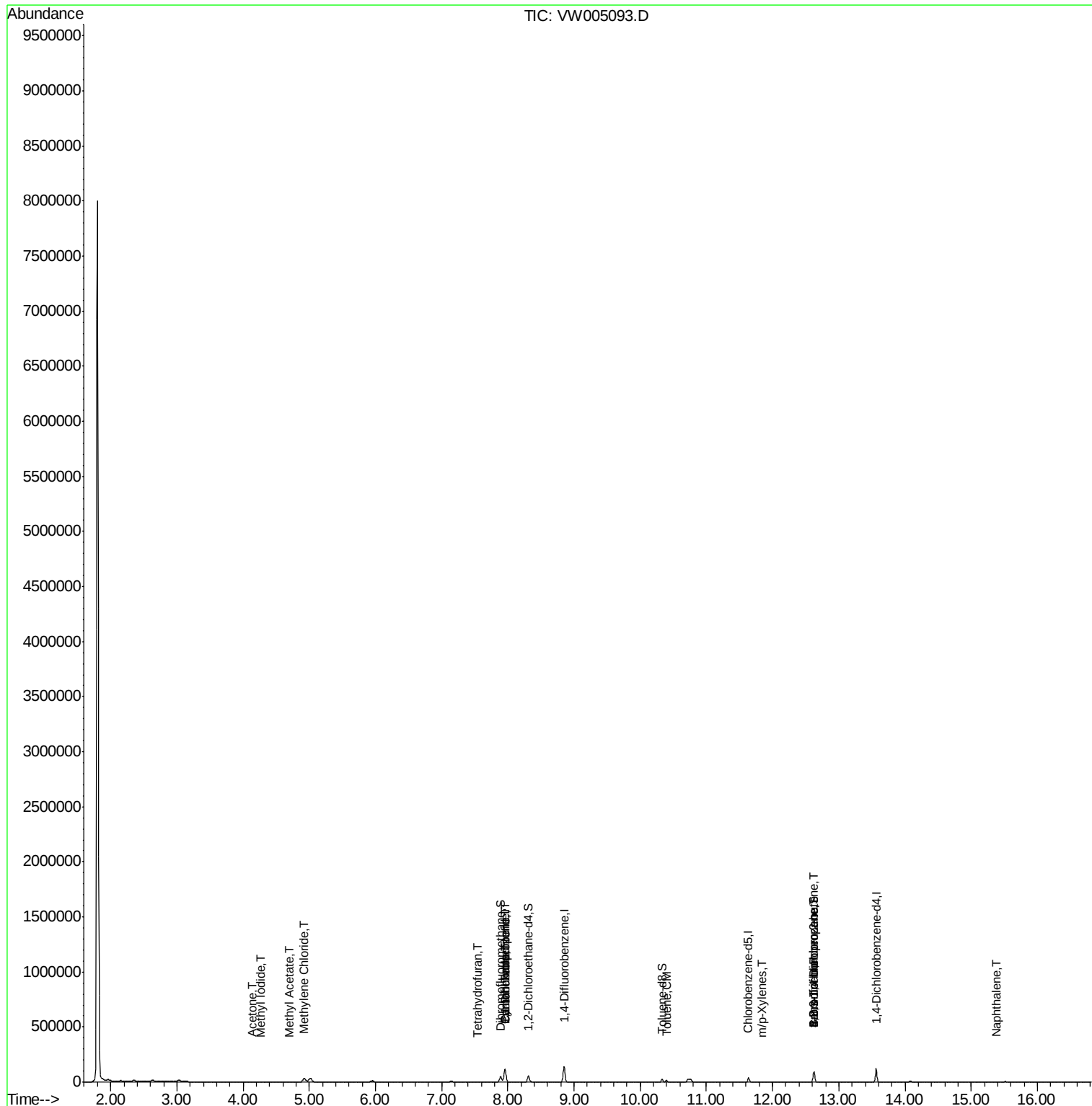
						Qvalue
5) Bromomethane	2.78	94	560	Below Cal	#	47
10) Methyl Iodide	4.27	142	151	3.930	ug/l #	44
11) Tert butyl alcohol	5.19	59	187	Below Cal	#	72
16) Acetone	4.14	43	4930	31.048	ug/l	99
18) Methyl Acetate	4.70	43	671	1.437	ug/l #	80
20) Methylene Chloride	4.92	84	24875	20.926	ug/l	95
29) Tetrahydrofuran	7.54	42	193	1.371	ug/l #	62
31) Cyclohexane	7.95	56	1744	1.121	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	6373	5.524	ug/l #	44
38) Carbon Tetrachloride	7.95	117	9086	8.282	ug/l #	17
52) Toluene	10.40	92	6033	2.521	ug/l	99
68) m/p-Xylenes	11.84	106	469	1.309	ug/l #	70
71) Bromoform	12.62	173	273	3.185	ug/l #	29
76) 1,2,3-Trichloropropane	12.62	75	11651	44.220	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	11651	106.433	ug/l #	14
95) Naphthalene	15.38	128	463	4.316	ug/l #	69

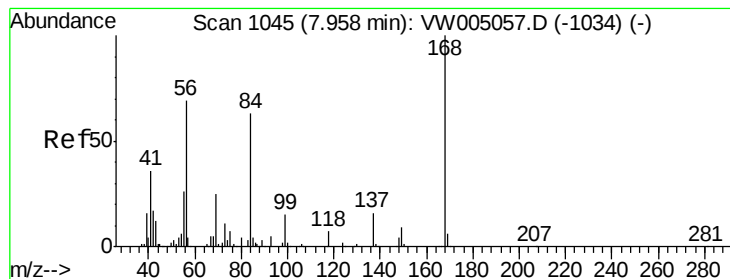
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.96 min Scan# 1045

Delta R.T. -0.00 min

Lab File: VW005093.D

Acq: 04 Sep 2018 21:04

Instrument :

MSVOA_W

ClientSampled :

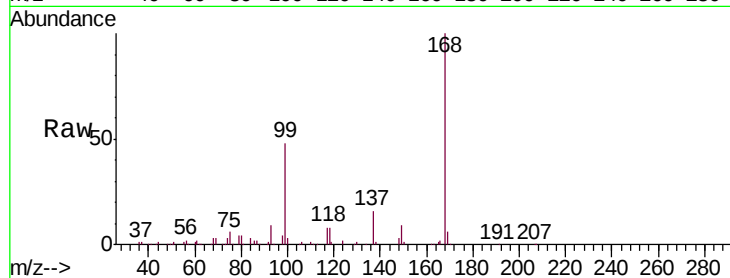
SB-13

Tgt Ion: 168 Resp: 95514

Ion Ratio Lower Upper

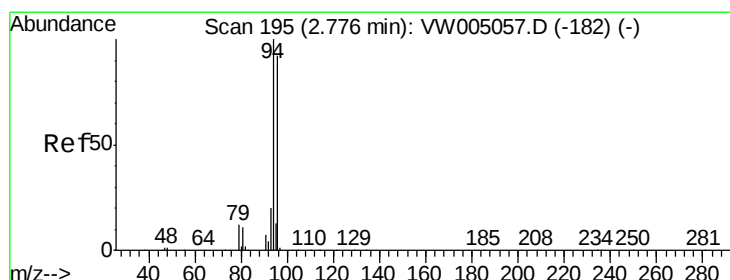
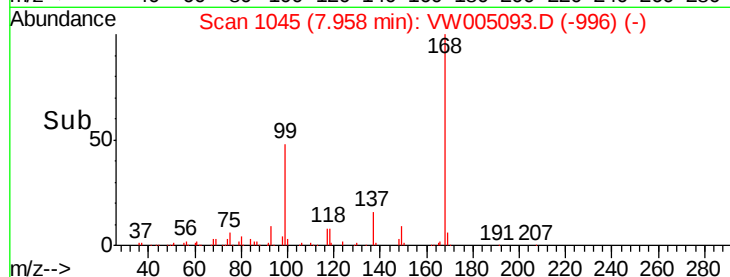
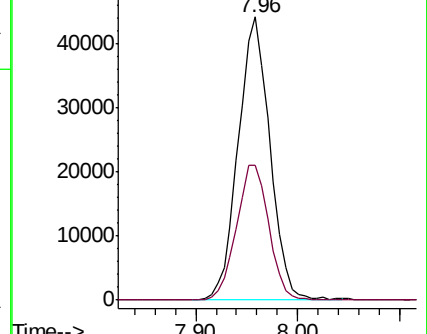
168 100

99 47.7 39.4 59.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#5

Bromomethane

Concen: Below Cal

RT: 2.78 min Scan# 195

Delta R.T. 0.00 min

Lab File: VW005093.D

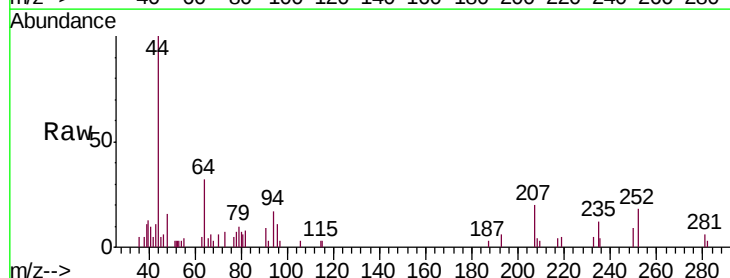
Acq: 04 Sep 2018 21:04

Tgt Ion: 94 Resp: 560

Ion Ratio Lower Upper

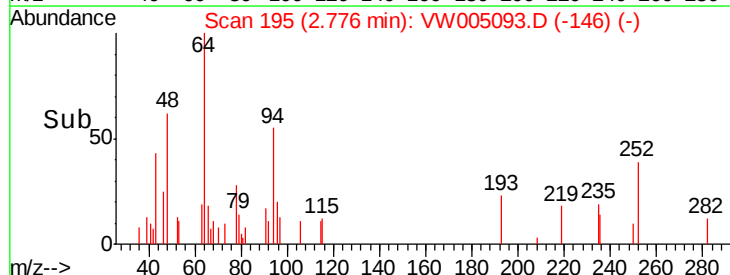
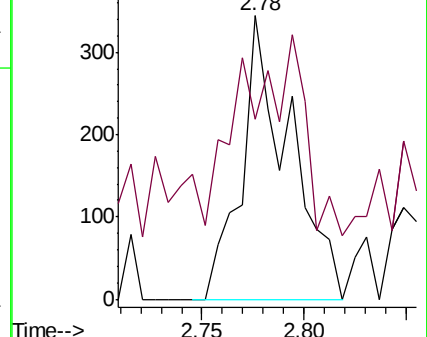
94 100

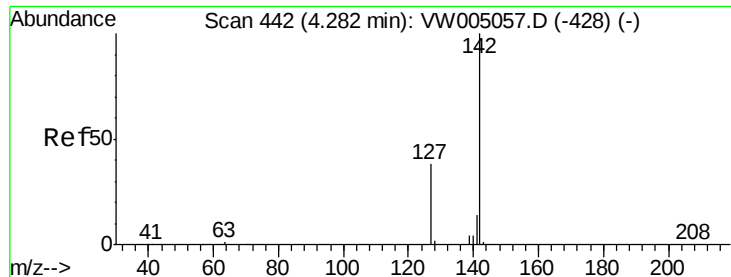
96 41.3 73.2 109.8#



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW

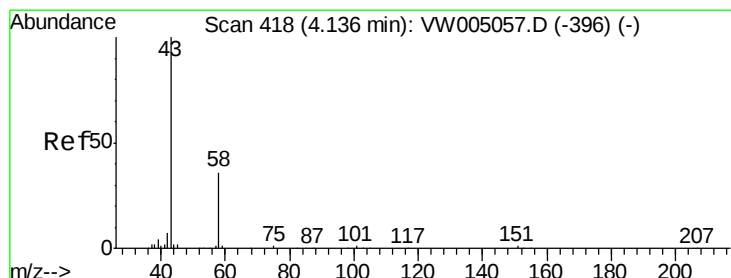
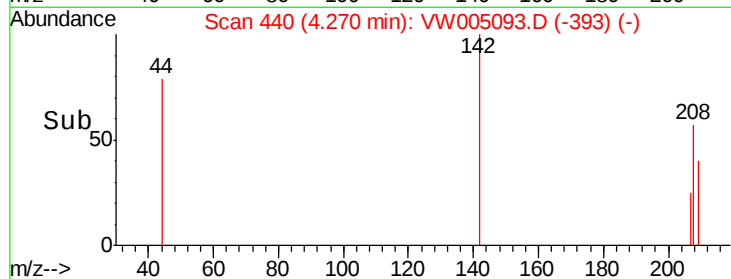
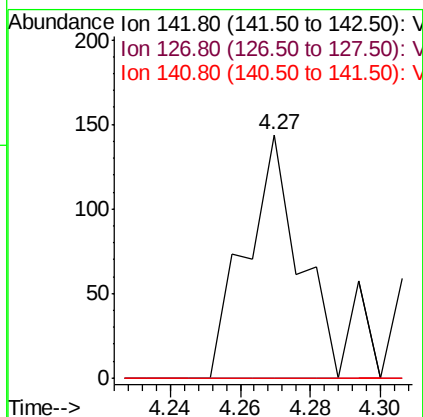
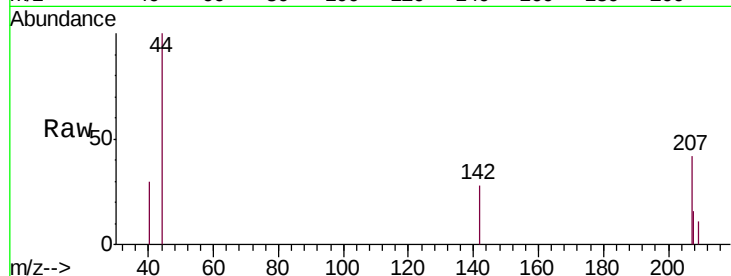




#10
Methyl Iodide
Concen: 3.930 ug/l
RT: 4.27 min Scan# 440
Delta R.T. -0.01 min
Lab File: VW005093.D
Acq: 04 Sep 2018 21:04

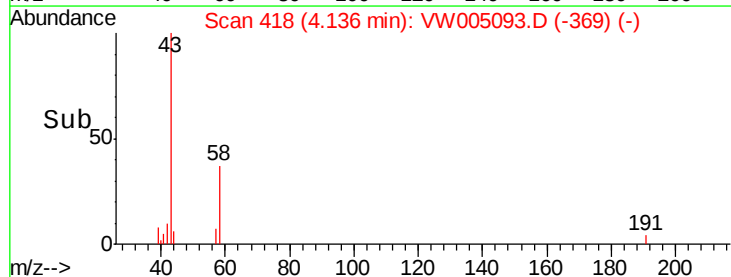
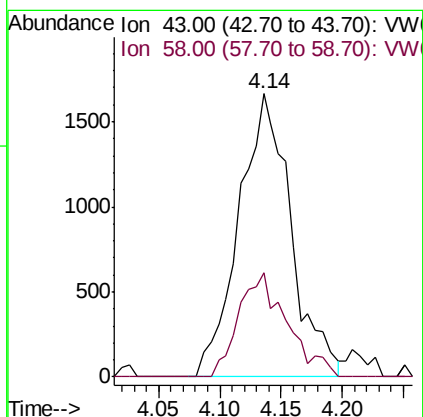
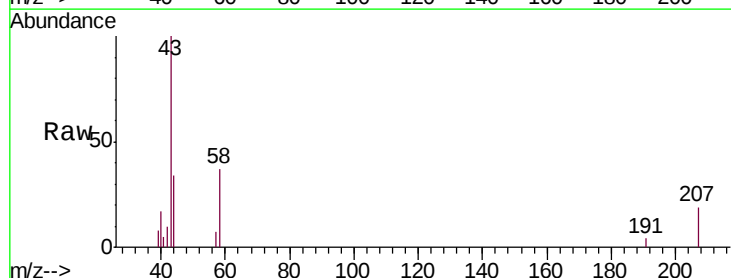
Instrument :
MSVOA_W
ClientSampled :
SB-13

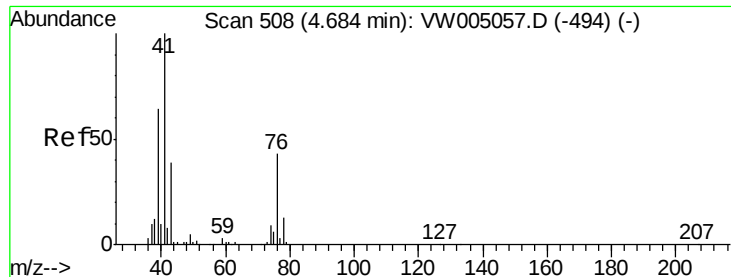
Tgt Ion	Ratio	Lower	Upper
142	100		
127	0.0	30.8	46.2#
141	0.0	11.6	17.4#



#16
Acetone
Concen: 31.048 ug/l
RT: 4.14 min Scan# 418
Delta R.T. -0.00 min
Lab File: VW005093.D
Acq: 04 Sep 2018 21:04

Tgt Ion	Ratio	Lower	Upper
43	100		
58	36.6	29.0	43.6

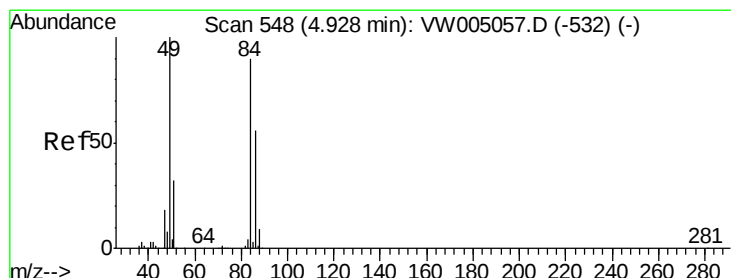
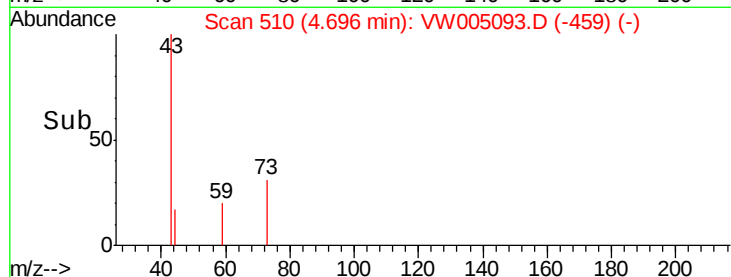
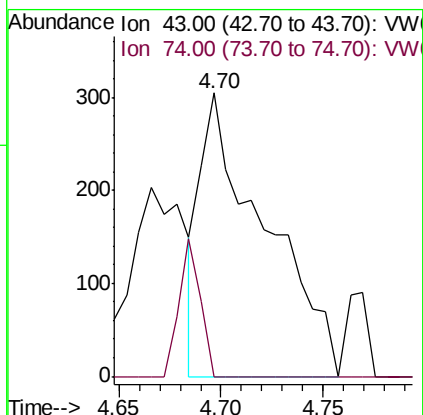
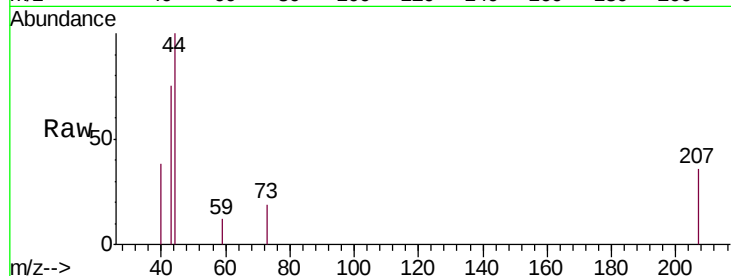




#18
Methyl Acetate
Concen: 1.437 ug/l
RT: 4.70 min Scan# 510
Delta R.T. 0.01 min
Lab File: VW005093.D
Acq: 04 Sep 2018 21:04

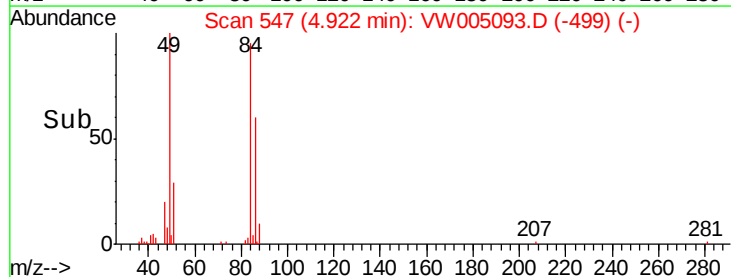
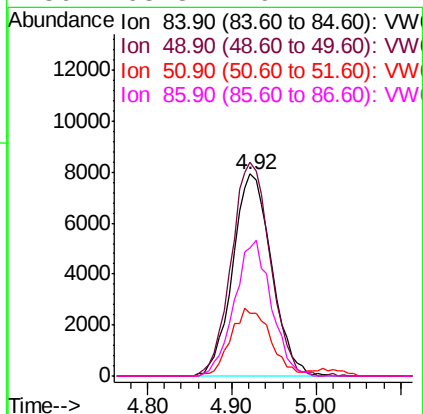
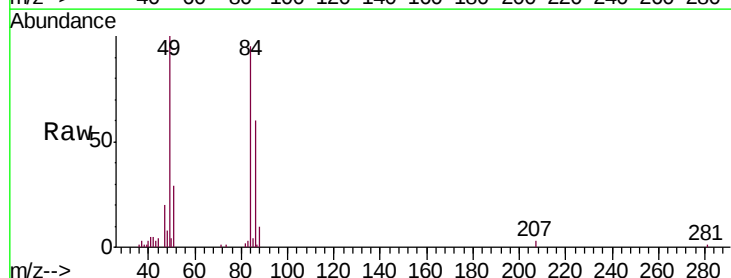
Instrument :
MSVOA_W
ClientSampleId :
SB-13

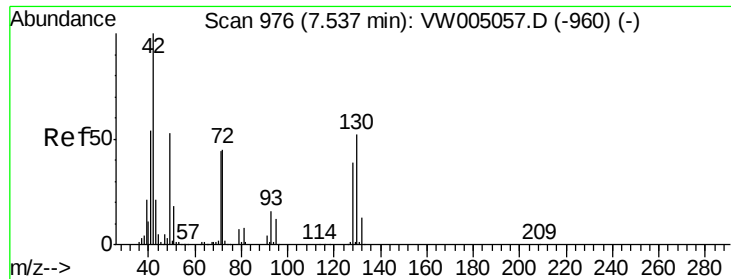
Tgt Ion: 43 Resp: 671
Ion Ratio Lower Upper
43 100
74 15.9 20.7 31.1#



#20
Methylene Chloride
Concen: 20.926 ug/l
RT: 4.92 min Scan# 547
Delta R.T. -0.01 min
Lab File: VW005093.D
Acq: 04 Sep 2018 21:04

Tgt Ion: 84 Resp: 24875
Ion Ratio Lower Upper
84 100
49 105.8 88.7 133.1
51 30.9 28.6 42.8
86 63.3 49.4 74.2

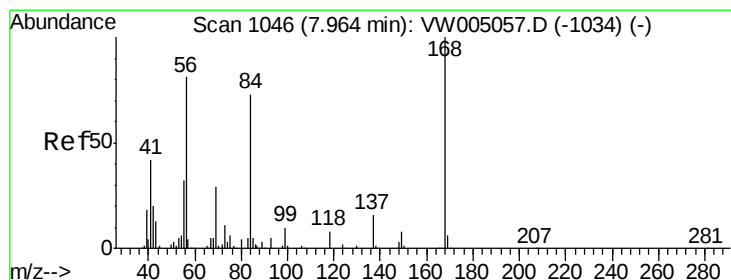
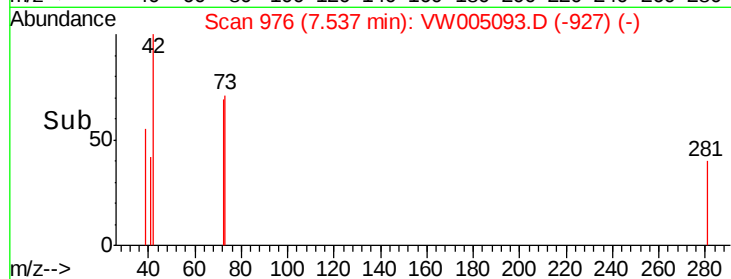
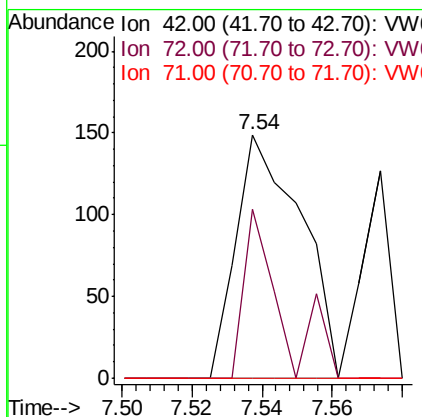
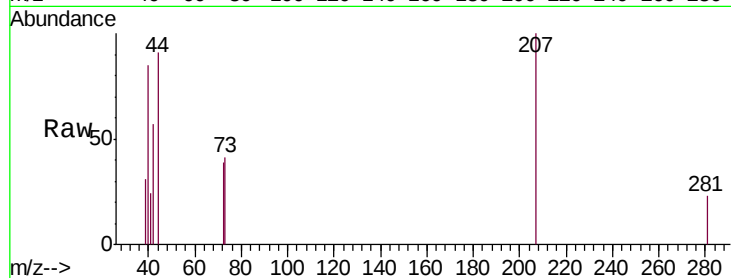




#29
Tetrahydrofuran
Concen: 1.371 ug/l
RT: 7.54 min Scan# 976
Delta R.T. -0.00 min
Lab File: VW005093.D
Acq: 04 Sep 2018 21:04

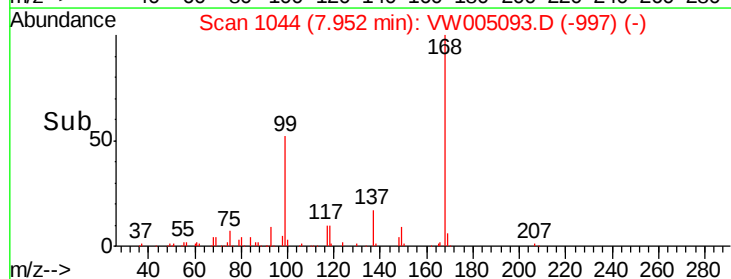
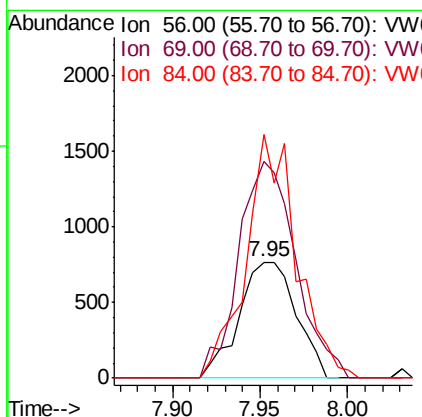
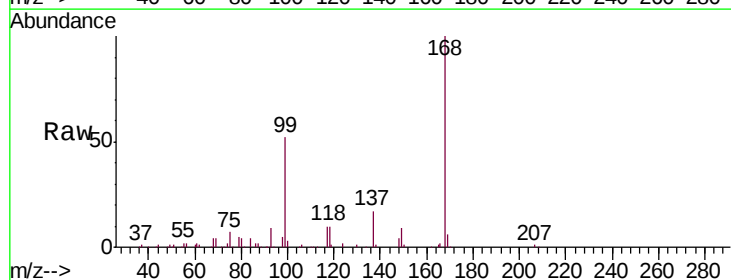
Instrument :
MSVOA_W
ClientSampleId :
SB-13

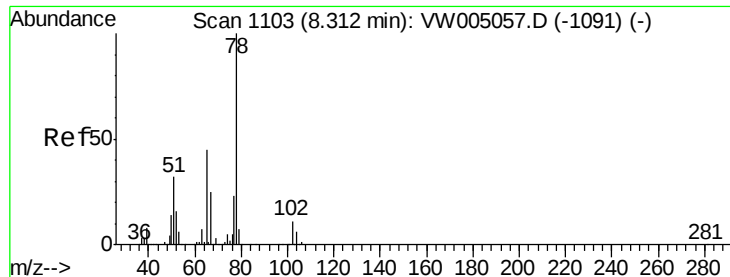
Tgt Ion: 42 Resp: 193
Ion Ratio Lower Upper
42 100
72 39.4 37.0 55.4
71 0.0 35.0 52.6#



#31
Cyclohexane
Concen: 1.121 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. -0.01 min
Lab File: VW005093.D
Acq: 04 Sep 2018 21:04

Tgt Ion: 56 Resp: 1744
Ion Ratio Lower Upper
56 100
69 186.3 28.2 42.2#
84 209.8 71.8 107.8#





#33

1,2-Dichloroethane-d4

Concen: 52.806 ug/l

RT: 8.31 min Scan# 1103

Delta R.T. -0.00 min

Lab File: VW005093.D

Acq: 04 Sep 2018 21:04

Instrument :

MSVOA_W

ClientSampleId :

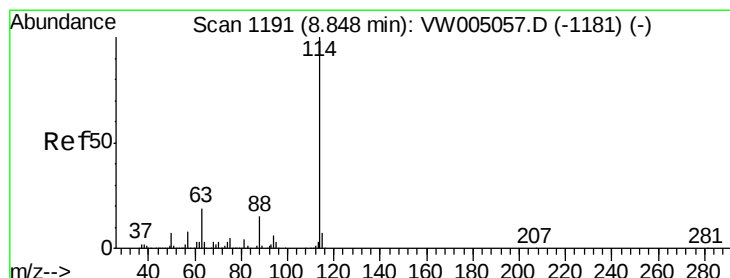
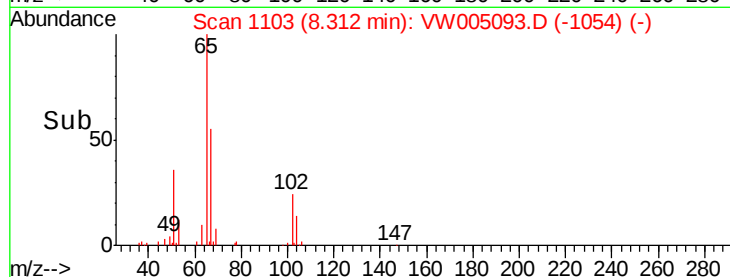
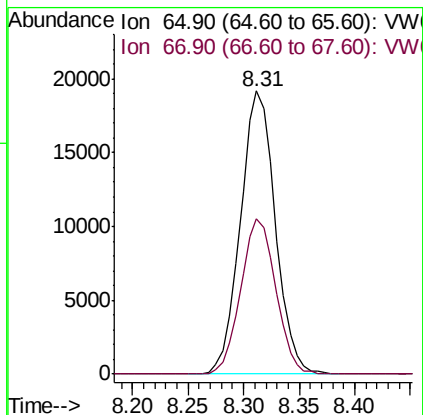
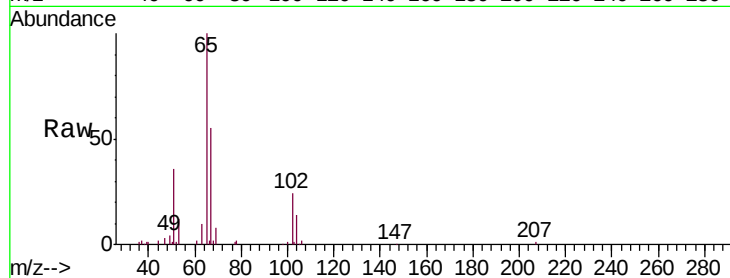
SB-13

Tgt Ion: 65 Resp: 41810

Ion Ratio Lower Upper

65 100

67 55.2 0.0 109.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1191

Delta R.T. -0.00 min

Lab File: VW005093.D

Acq: 04 Sep 2018 21:04

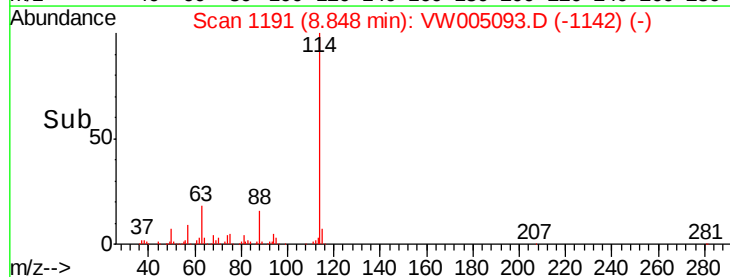
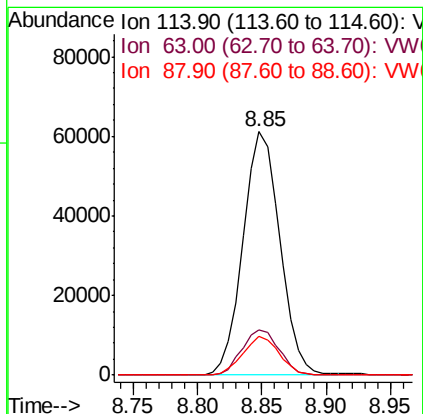
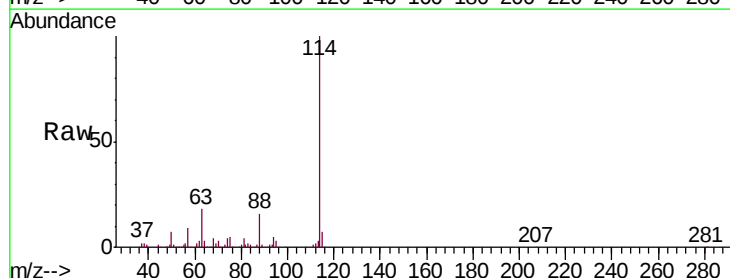
Tgt Ion: 114 Resp: 121142

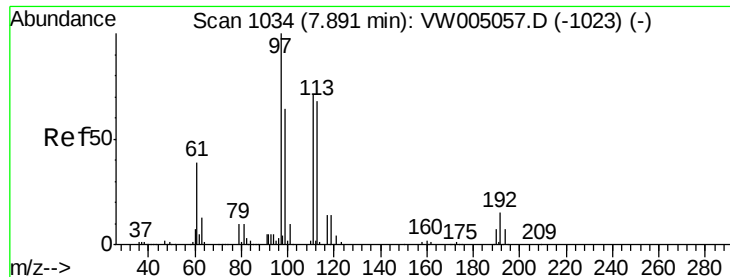
Ion Ratio Lower Upper

114 100

63 18.5 0.0 38.0

88 15.7 0.0 30.2

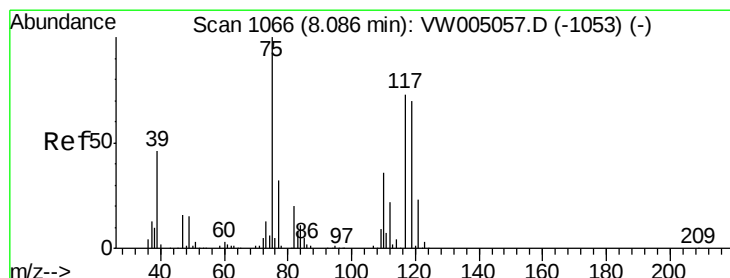
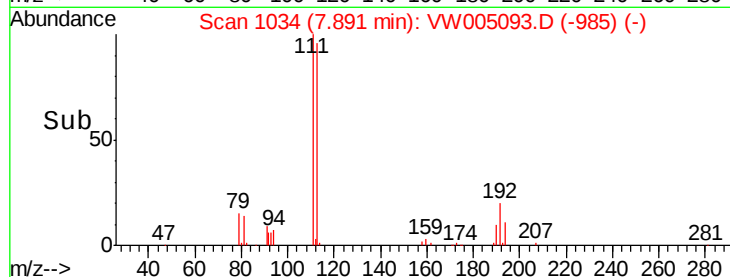
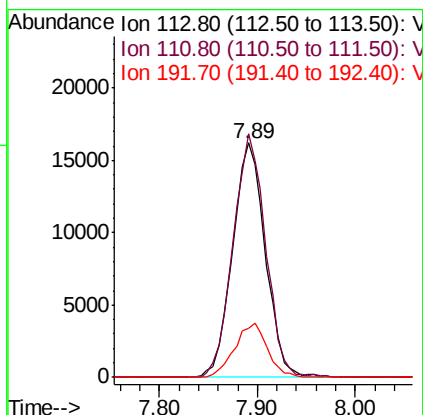
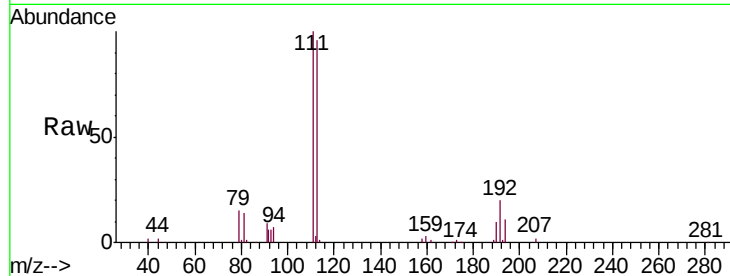




#35
 Dibromofluoromethane
 Concen: 53.894 ug/l
 RT: 7.89 min Scan# 1034
 Delta R.T. -0.00 min
 Lab File: VW005093.D
 Acq: 04 Sep 2018 21:04

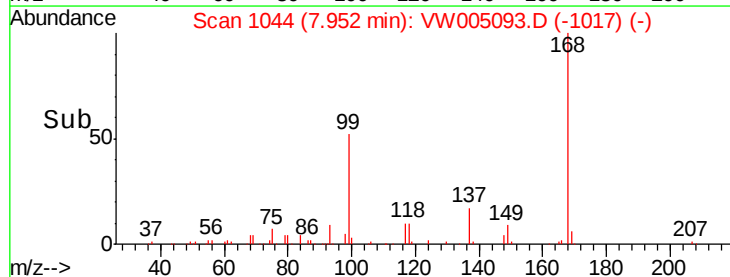
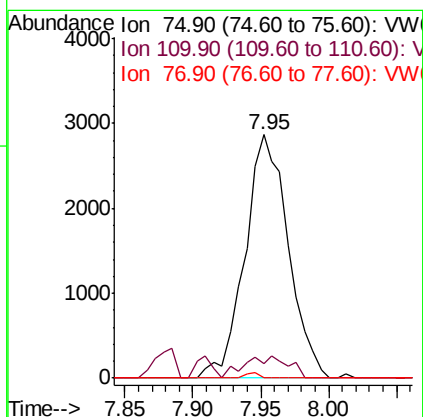
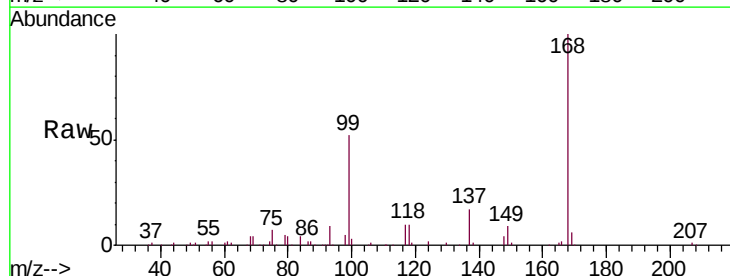
Instrument :
 MSVOA_W
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 SB-13

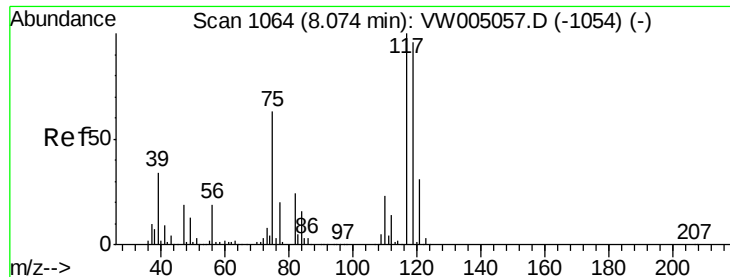
Tgt Ion:113 Resp: 37729
 Ion Ratio Lower Upper
 113 100
 111 103.0 82.2 123.2
 192 22.8 18.1 27.1



#36
 1,1-Dichloropropene
 Concen: 5.524 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.13 min
 Lab File: VW005093.D
 Acq: 04 Sep 2018 21:04

Tgt Ion: 75 Resp: 6373
 Ion Ratio Lower Upper
 75 100
 110 4.7 18.9 56.7#
 77 0.6 25.5 38.3#





#38

Carbon Tetrachloride

Concen: 8.282 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.12 min

Lab File: VW005093.D

Acq: 04 Sep 2018 21:04

Instrument :

MSVOA_W

ClientSampled :

SB-13

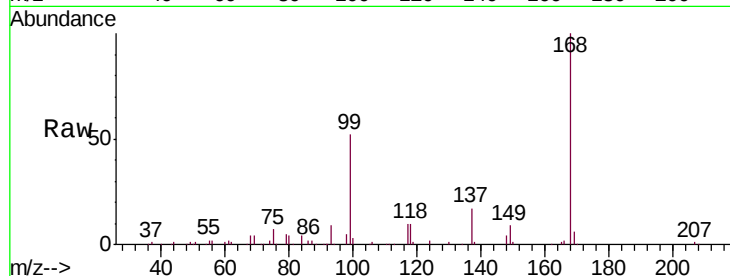
Tgt Ion:117 Resp: 9086

Ion Ratio Lower Upper

117 100

119 6.5 76.6 115.0#

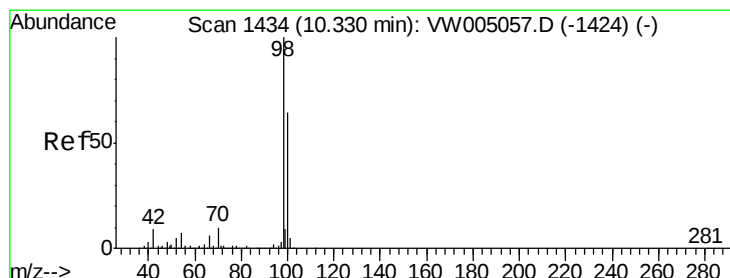
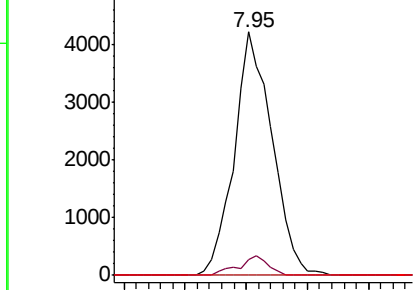
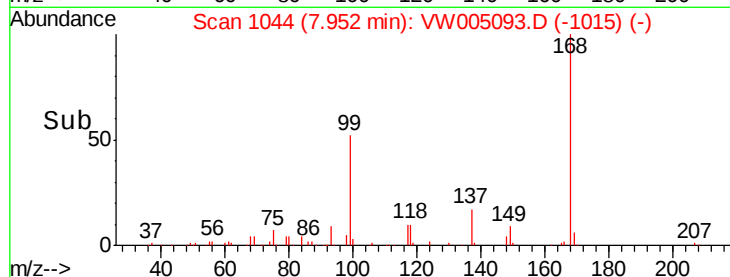
121 0.0 24.8 37.2#



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



#50

Toluene-d8

Concen: 5.902 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW005093.D

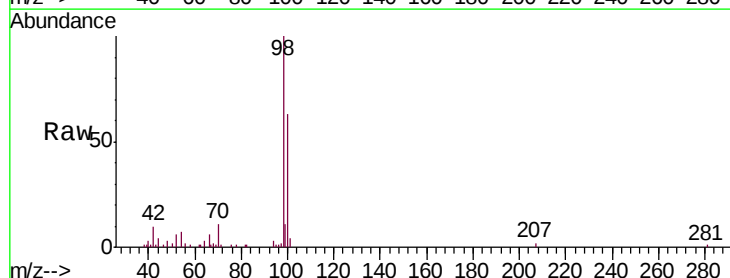
Acq: 04 Sep 2018 21:04

Tgt Ion: 98 Resp: 19037

Ion Ratio Lower Upper

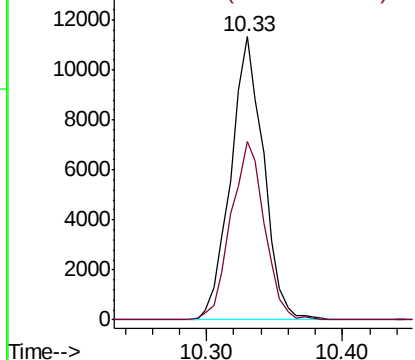
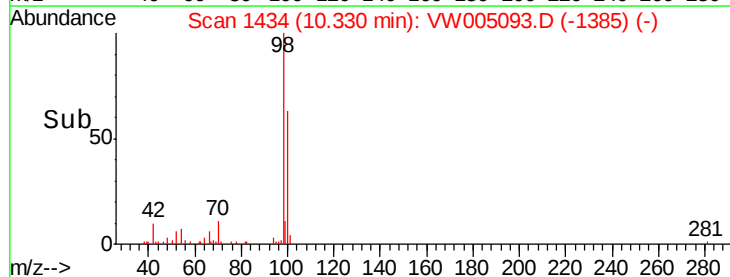
98 100

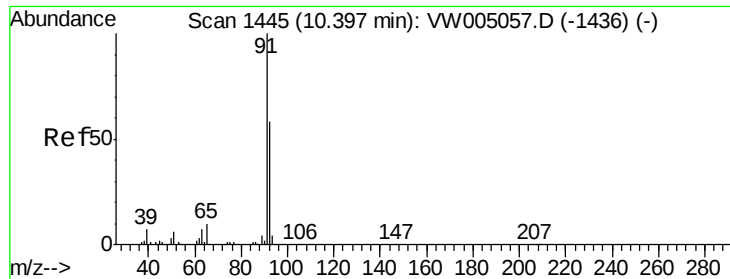
100 64.3 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#52

Toluene

Concen: 2.521 ug/l

RT: 10.40 min Scan# 1445

Delta R.T. -0.00 min

Lab File: VW005093.D

Acq: 04 Sep 2018 21:04

Instrument :

MSVOA_W

ClientSampleId :

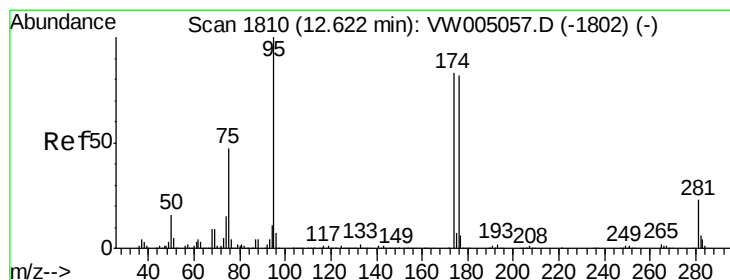
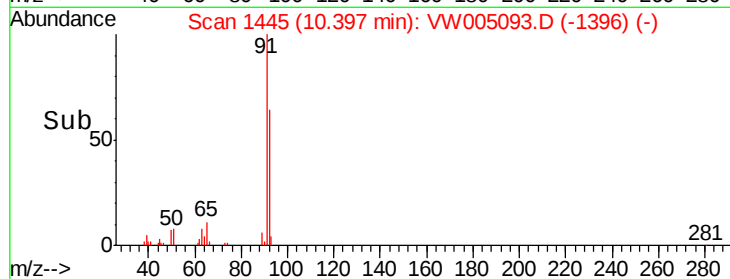
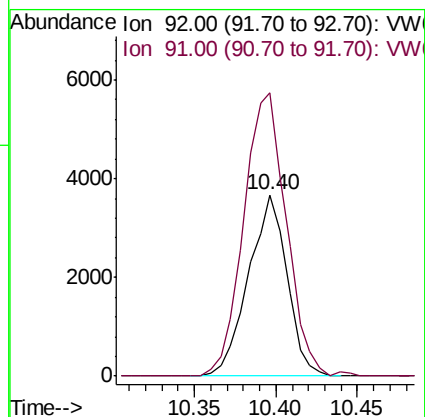
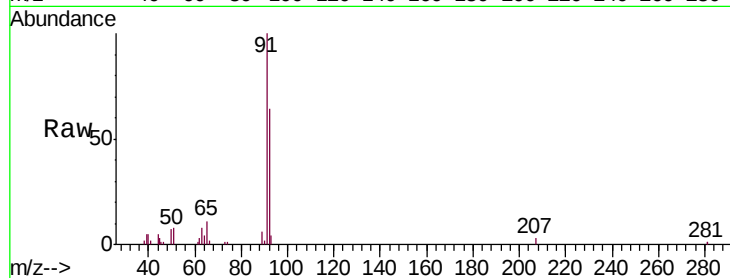
SB-13

Tgt Ion: 92 Resp: 6033

Ion Ratio Lower Upper

92 100

91 173.2 139.2 208.8



#62

4-Bromofluorobenzene

Concen: 21.769 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.00 min

Lab File: VW005093.D

Acq: 04 Sep 2018 21:04

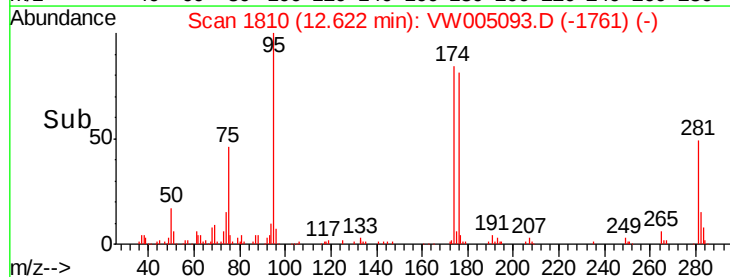
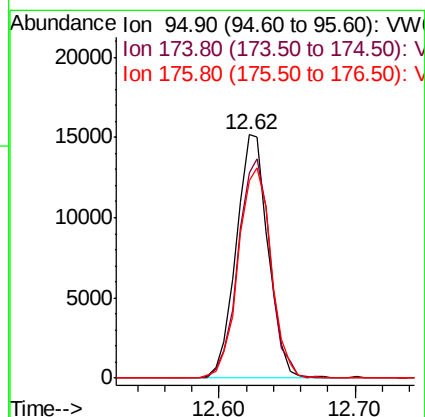
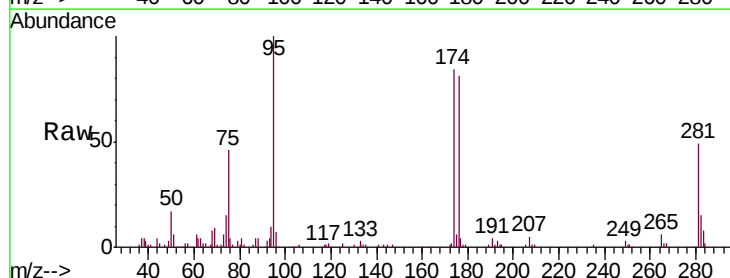
Tgt Ion: 95 Resp: 24761

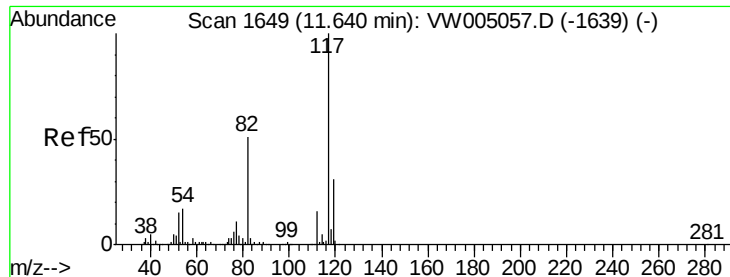
Ion Ratio Lower Upper

95 100

174 90.6 0.0 173.4

176 89.2 0.0 167.4

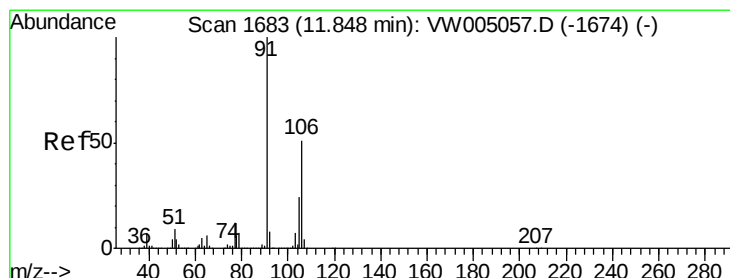
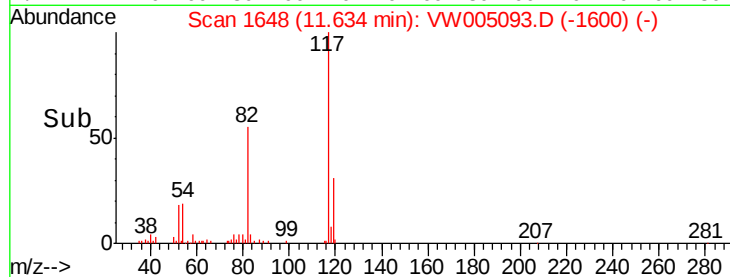
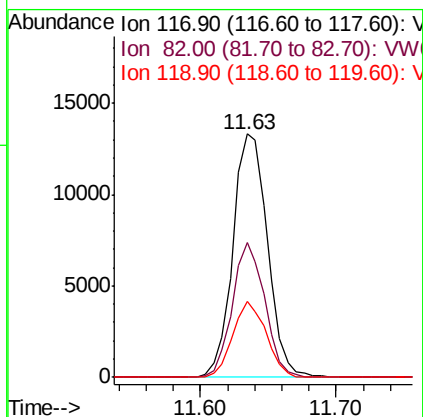
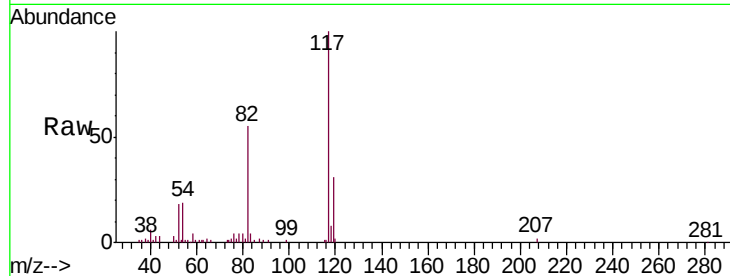




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.01 min
Lab File: VW005093.D
Acq: 04 Sep 2018 21:04

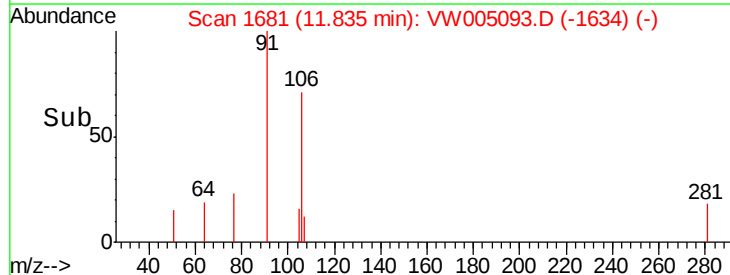
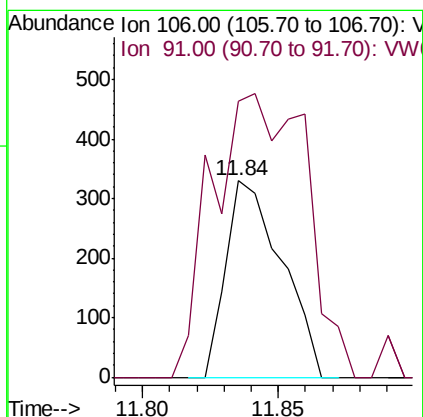
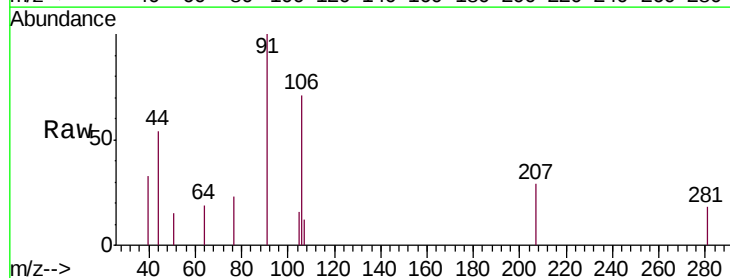
Instrument :
MSVOA_W
ClientSampled :
SB-13

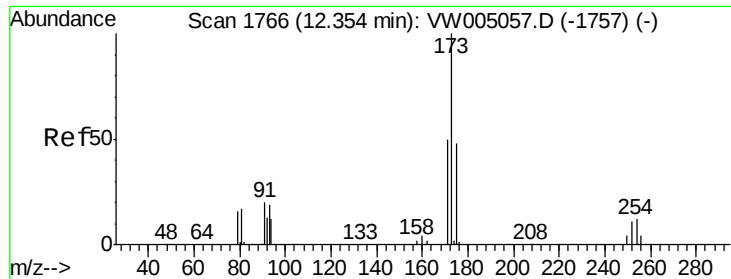
Tgt Ion:117 Resp: 23507
Ion Ratio Lower Upper
117 100
82 55.4 40.9 61.3
119 31.3 24.9 37.3



#68
m/p-Xylenes
Concen: 1.309 ug/l
RT: 11.84 min Scan# 1681
Delta R.T. -0.01 min
Lab File: VW005093.D
Acq: 04 Sep 2018 21:04

Tgt Ion:106 Resp: 469
Ion Ratio Lower Upper
106 100
91 243.1 158.4 237.6#





#71

Bromoform

Concen: 3.185 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.27 min

Lab File: VW005093.D

Acq: 04 Sep 2018 21:04

Instrument :

MSVOA_W

ClientSampled :

SB-13

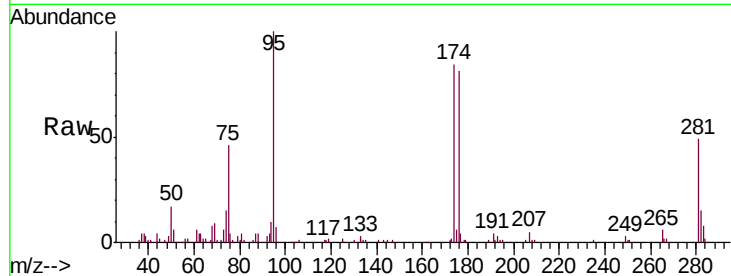
Tgt Ion:173 Resp: 273

Ion Ratio Lower Upper

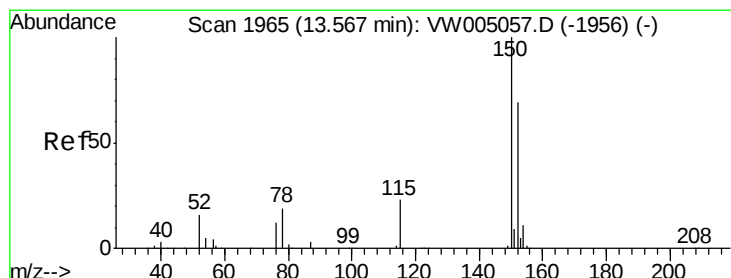
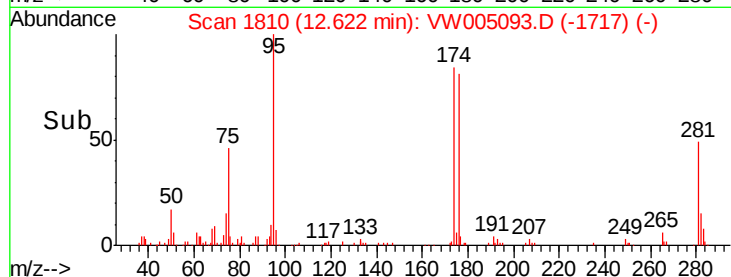
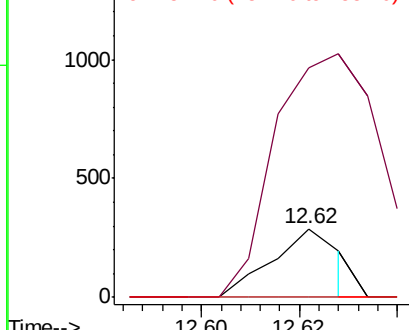
173 100

175 0.0 24.1 72.2#

254 0.0 0.2 0.2#



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: VW005093.D

Acq: 04 Sep 2018 21:04

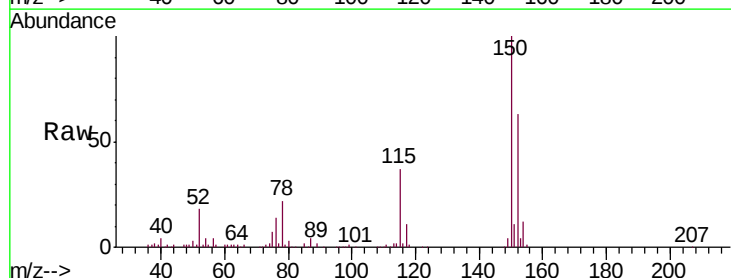
Tgt Ion:152 Resp: 35101

Ion Ratio Lower Upper

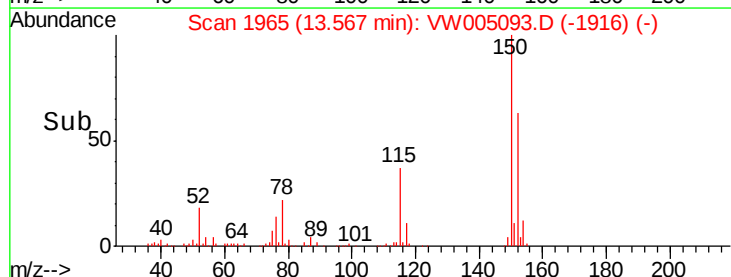
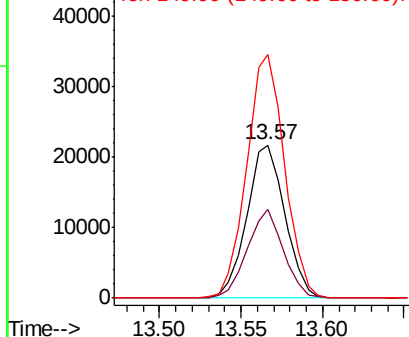
152 100

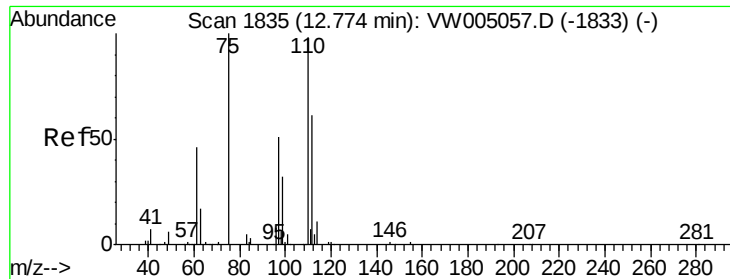
115 55.0 27.8 83.4

150 159.0 0.0 351.4



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

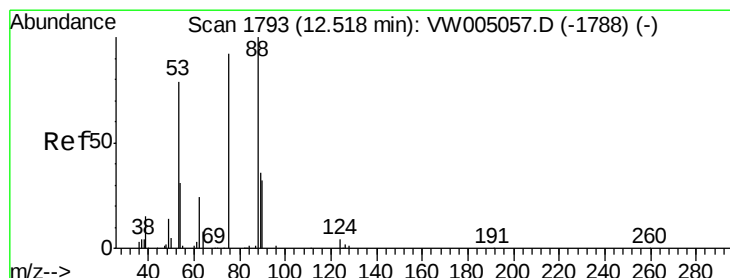
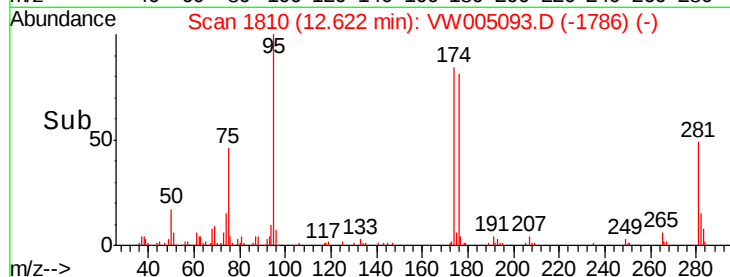
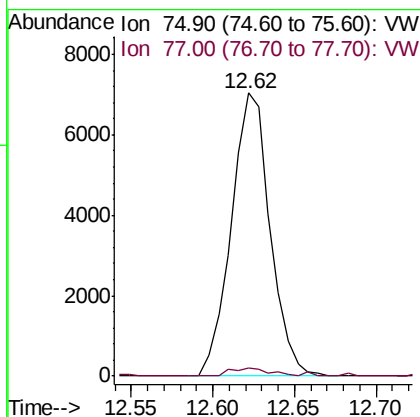
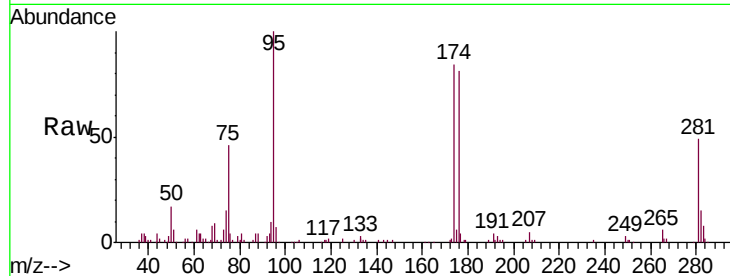




#76
 1,2,3-Trichloropropane
 Concen: 44.220 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. -0.15 min
 Lab File: VW005093.D
 Acq: 04 Sep 2018 21:04

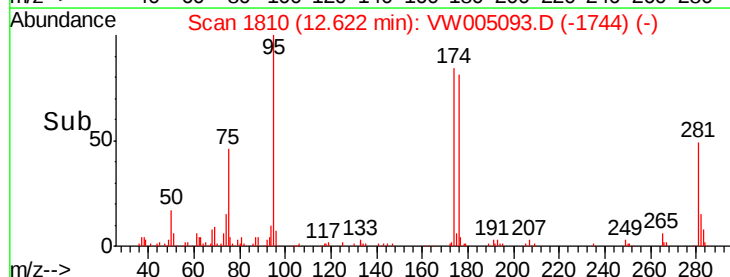
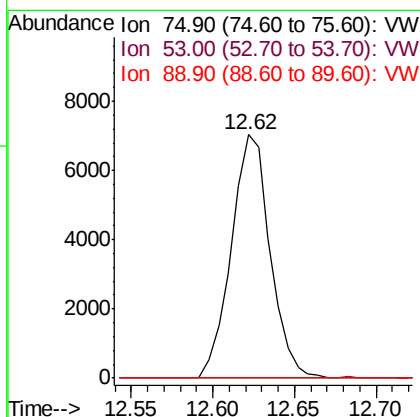
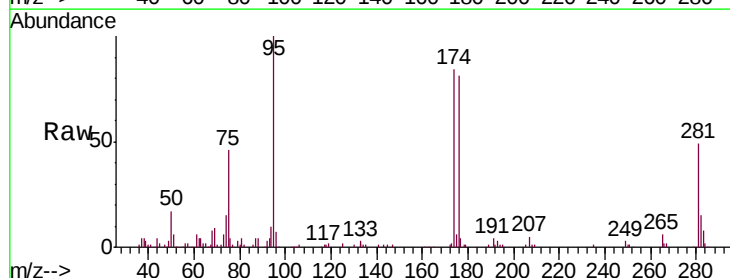
Instrument :
 MSVOA_W
 ClientSampled :
 SB-13

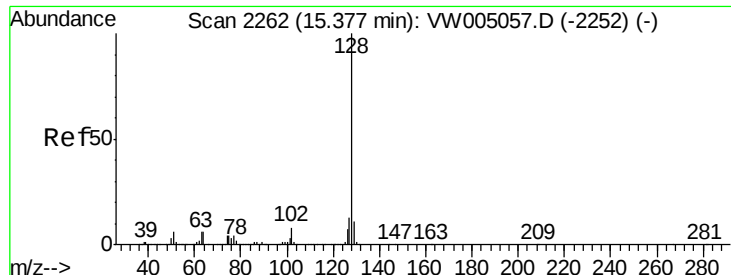
Tgt Ion: 75 Resp: 11651
 Ion Ratio Lower Upper
 75 100
 77 3.0 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 106.433 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. 0.10 min
 Lab File: VW005093.D
 Acq: 04 Sep 2018 21:04

Tgt Ion: 75 Resp: 11651
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.8 104.8#
 89 0.0 36.0 54.0#





#95

Naphthalene

Concen: 4.316 ug/l

RT: 15.38 min Scan# 2262

Delta R.T. 0.00 min

Lab File: VW005093.D

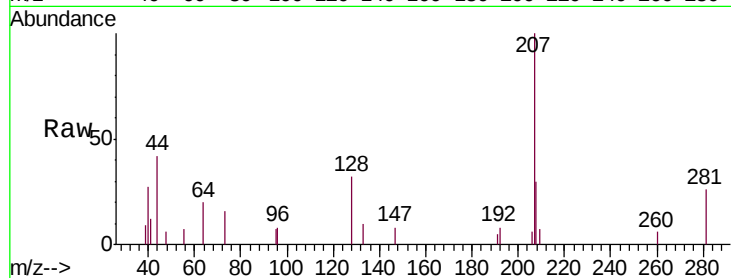
Acq: 04 Sep 2018 21:04

Instrument :

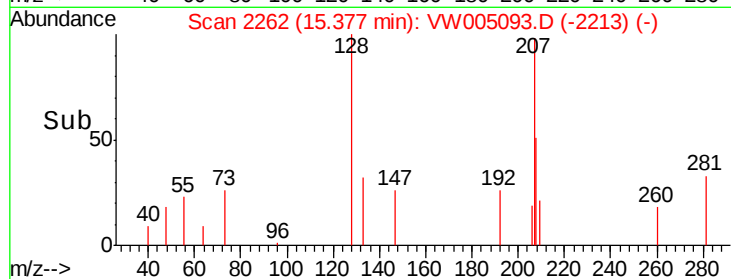
MSVOA_W

ClientSampleId :

SB-13



Tgt Ion:	128	Resp:	463
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.4	15.6#
129	0.0	8.7	13.1#



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

