

Data File : VW005098.D
Acq On : 04 Sep 2018 23:12
Operator : SY/AP
Sample : J4712-06
Misc : 6.15G/5ML/MSVOA_W/SOIL
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SB-04

Quant Time: Sep 05 04:16:41 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	333436	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	484117	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	436228	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	207768	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	136192	49.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.54%	
35) Dibromofluoromethane	7.89	113	136922	48.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.88%	
50) Toluene-d8	10.33	98	370152	28.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	57.42%	
62) 4-Bromofluorobenzene	12.62	95	151306	33.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	66.58%	

Target Compounds

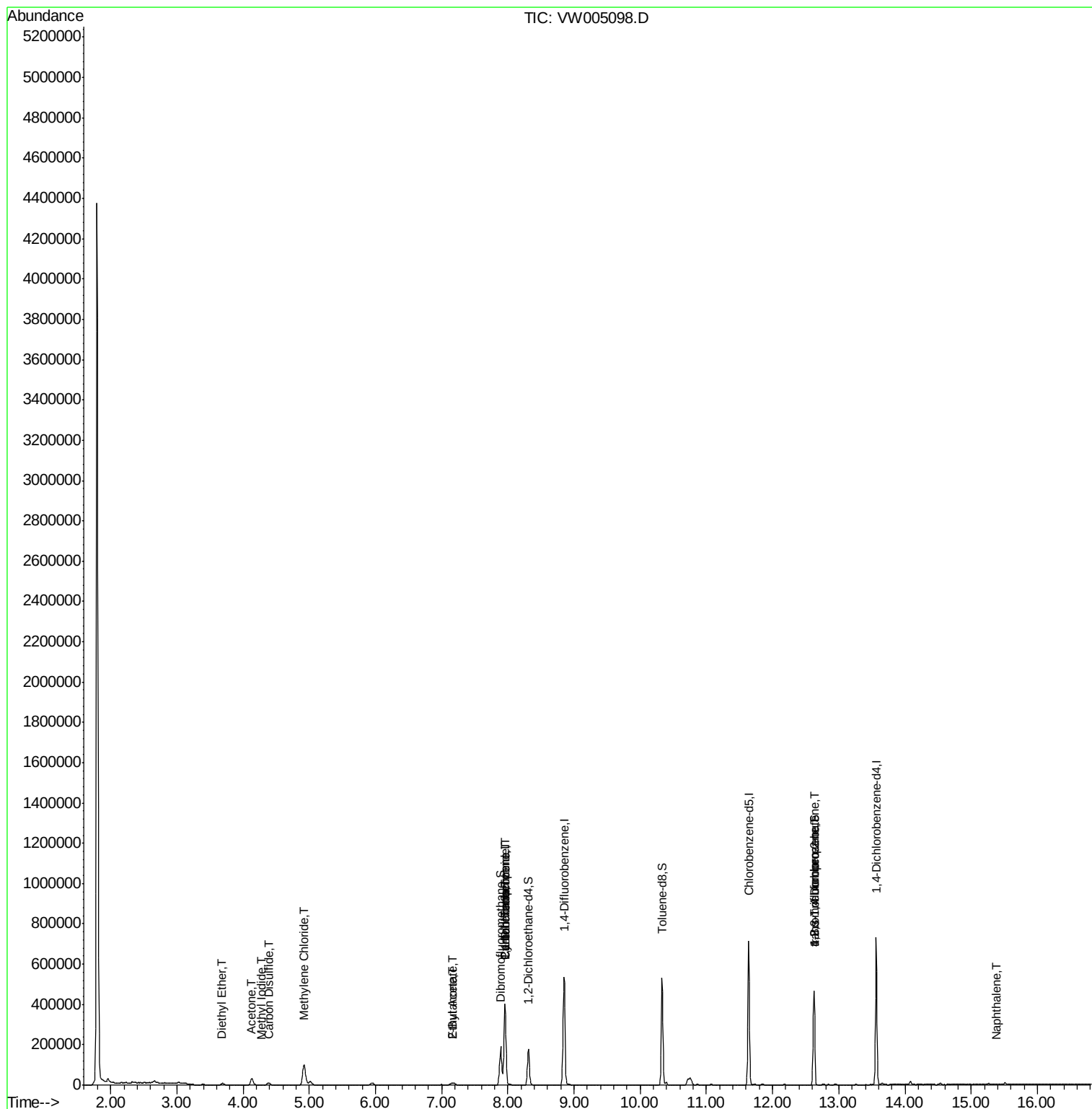
						Qvalue
5) Bromomethane	2.77	94	348	Below Cal	#	63
8) Diethyl Ether	3.68	74	4491	2.910	ug/l	99
10) Methyl Iodide	4.27	142	80	3.836	ug/l #	44
11) Tert butyl alcohol	5.17	59	236	Below Cal	#	83
16) Acetone	4.13	43	52437	94.597	ug/l	95
17) Carbon Disulfide	4.39	76	19110	2.034	ug/l	98
20) Methylene Chloride	4.92	84	83607	19.991	ug/l	99
25) 2-Butanone	7.18	43	12559	13.062	ug/l	98
31) Cyclohexane	7.95	56	6011	1.107	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	21772	4.722	ug/l #	48
37) Ethyl Acetate	7.18	43	12559	7.284	ug/l #	67
38) Carbon Tetrachloride	7.96	117	29120	6.642	ug/l #	17
76) 1,2,3-Trichloropropane	12.62	75	70100	44.949	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	70100	108.187	ug/l #	15
95) Naphthalene	15.38	128	1863	4.208	ug/l	95

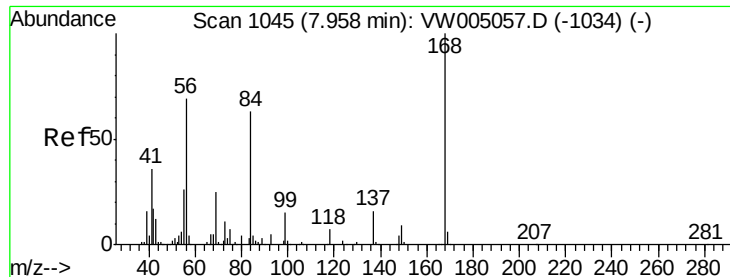
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW005098.D

Acq: 04 Sep 2018 23:12

Instrument :

MSVOA_W

ClientSampleId :

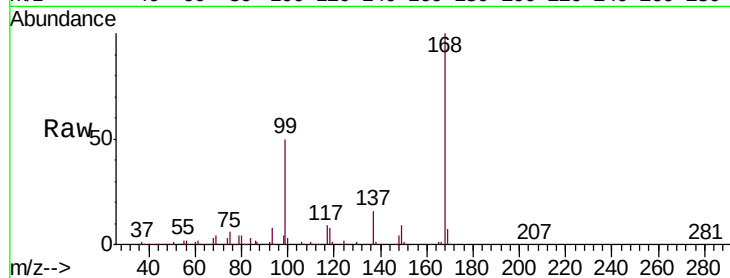
SB-04

Tgt Ion:168 Resp: 333436

Ion Ratio Lower Upper

168 100

99 49.9 39.4 59.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.96

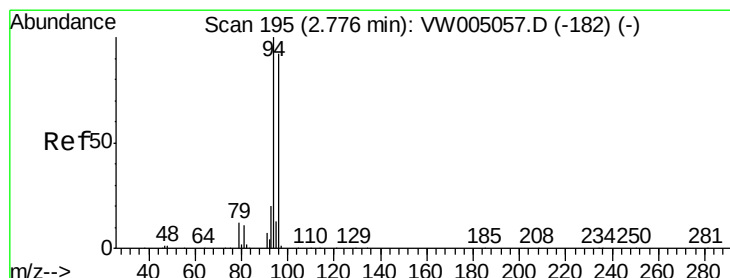
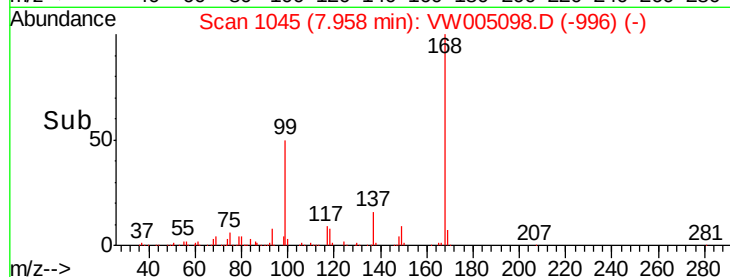
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#5

Bromomethane

Concen: Below Cal

RT: 2.77 min Scan# 194

Delta R.T. -0.01 min

Lab File: VW005098.D

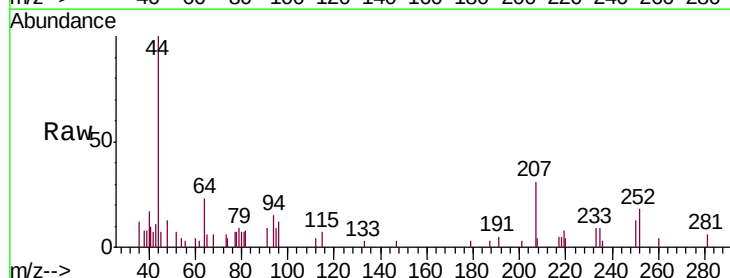
Acq: 04 Sep 2018 23:12

Tgt Ion: 94 Resp: 348

Ion Ratio Lower Upper

94 100

96 56.0 73.2 109.8#



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW

2.77

500

400

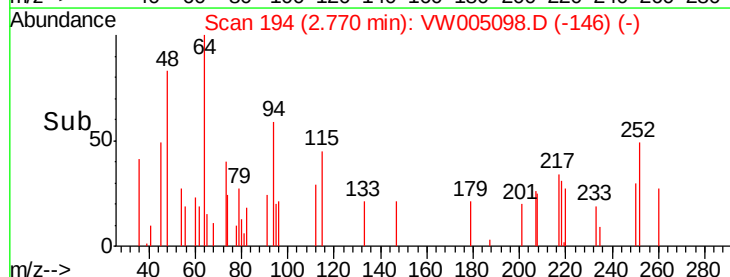
300

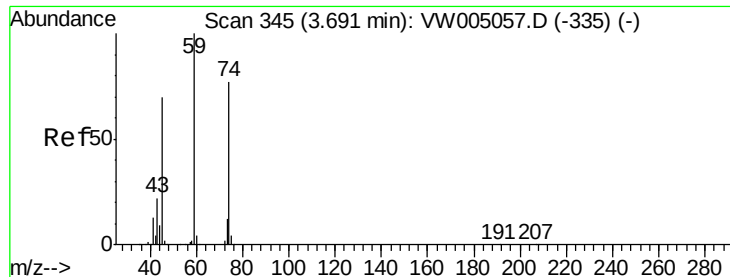
200

100

0

Time--> 2.70 2.75 2.80





#8

Diethyl Ether

Concen: 2.910 ug/l

RT: 3.68 min Scan# 344

Delta R.T. -0.01 min

Lab File: VW005098.D

Acq: 04 Sep 2018 23:12

Instrument :

MSVOA_W

ClientSampled :

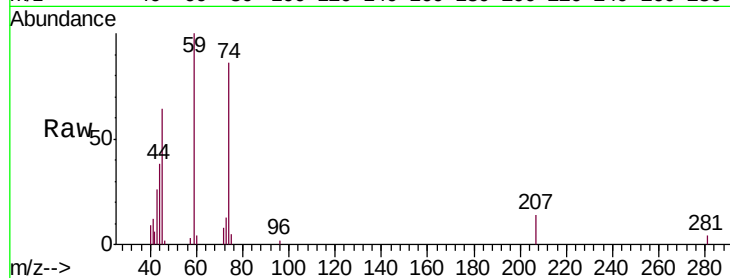
SB-04

Tgt Ion: 74 Resp: 4491

Ion Ratio Lower Upper

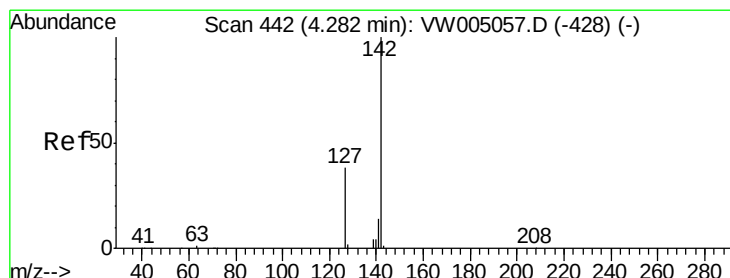
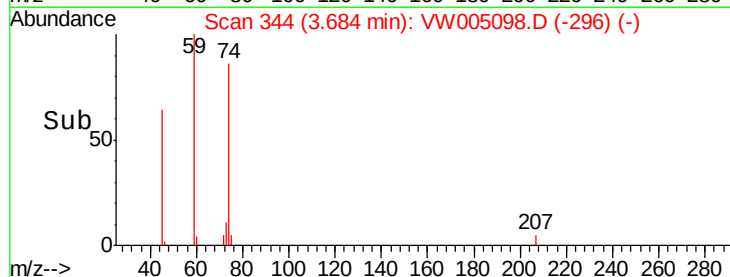
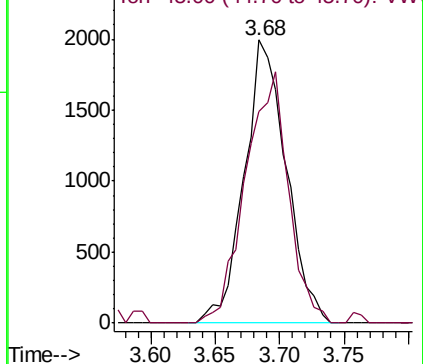
74 100

45 90.8 46.0 137.8



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW



#10

Methyl Iodide

Concen: 3.836 ug/l

RT: 4.27 min Scan# 440

Delta R.T. -0.01 min

Lab File: VW005098.D

Acq: 04 Sep 2018 23:12

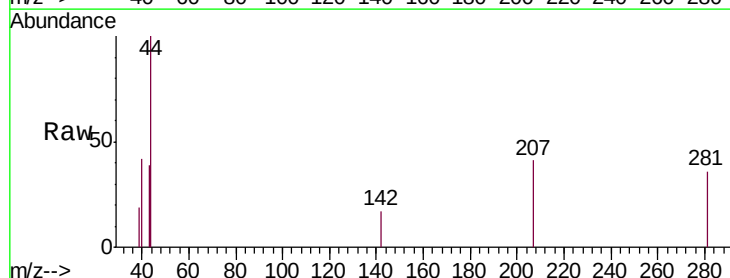
Tgt Ion: 142 Resp: 80

Ion Ratio Lower Upper

142 100

127 0.0 30.8 46.2#

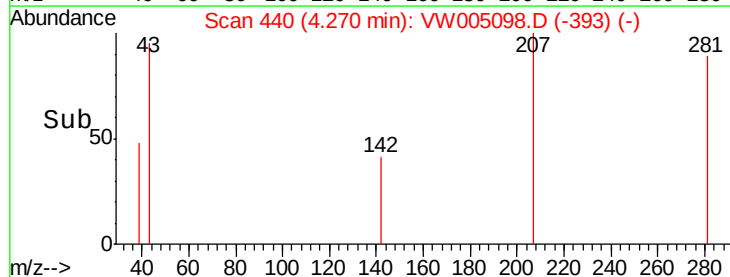
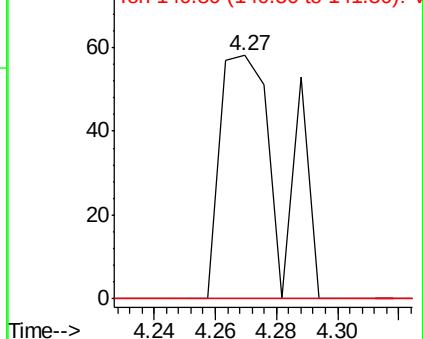
141 0.0 11.6 17.4#

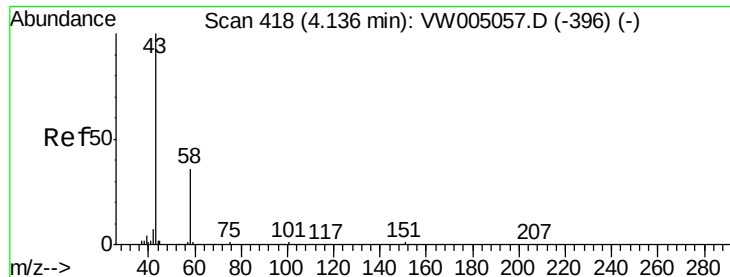


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#16

Acetone

Concen: 94.597 ug/l

RT: 4.13 min Scan# 417

Delta R.T. -0.01 min

Lab File: VW005098.D

Acq: 04 Sep 2018 23:12

Instrument :

MSVOA_W

ClientSampled :

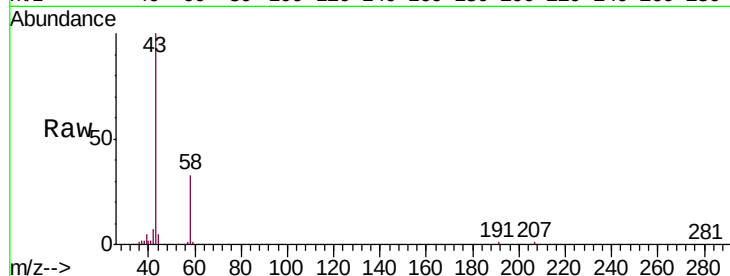
SB-04

Tgt Ion: 43 Resp: 52437

Ion Ratio Lower Upper

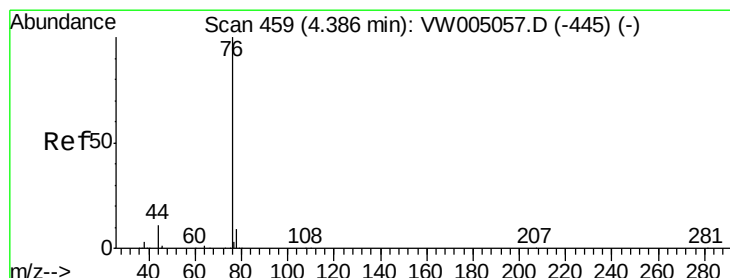
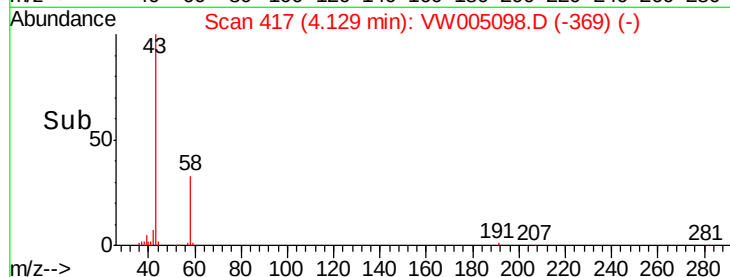
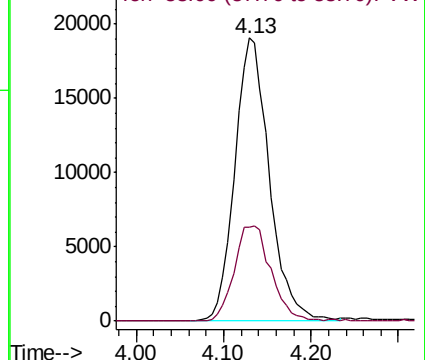
43 100

58 33.3 29.0 43.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#17

Carbon Disulfide

Concen: 2.034 ug/l

RT: 4.39 min Scan# 459

Delta R.T. -0.00 min

Lab File: VW005098.D

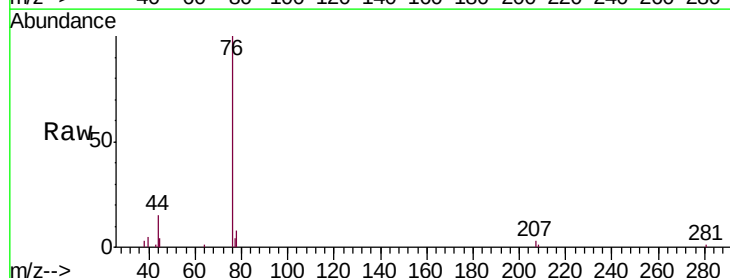
Acq: 04 Sep 2018 23:12

Tgt Ion: 76 Resp: 19110

Ion Ratio Lower Upper

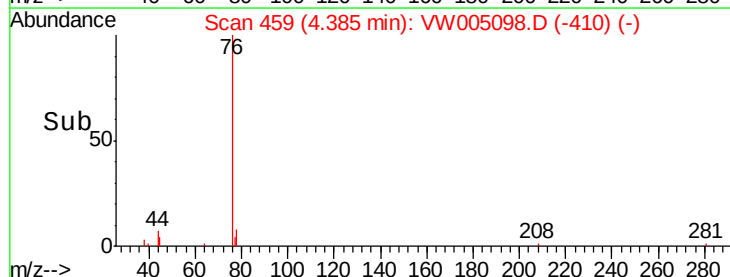
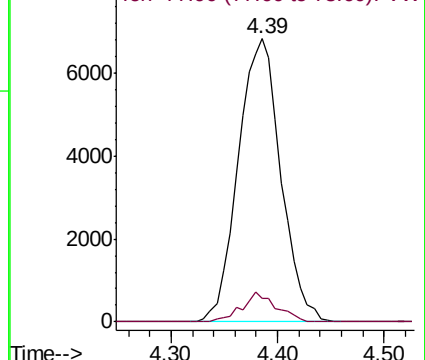
76 100

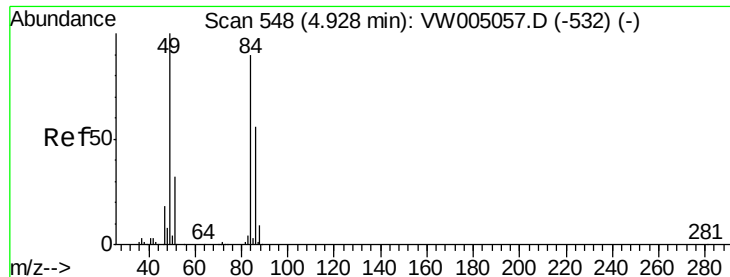
78 8.4 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

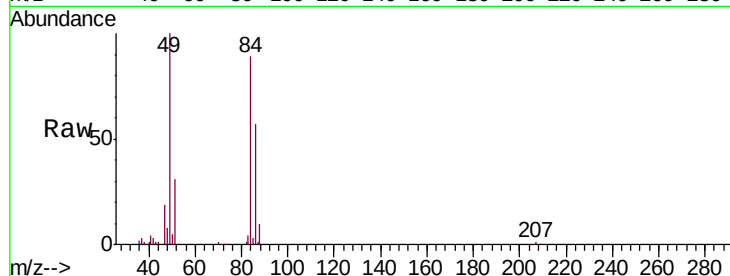




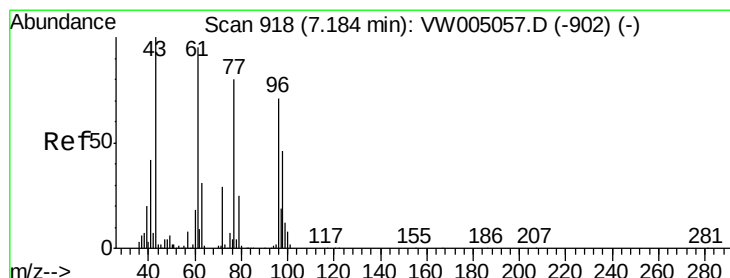
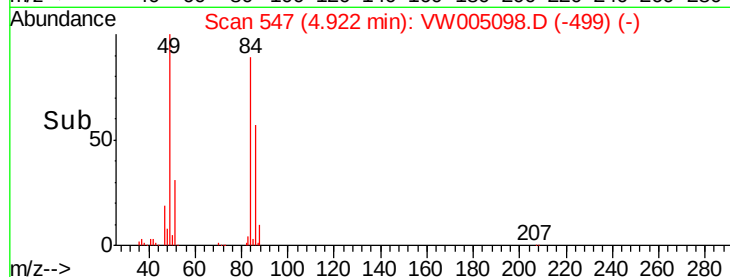
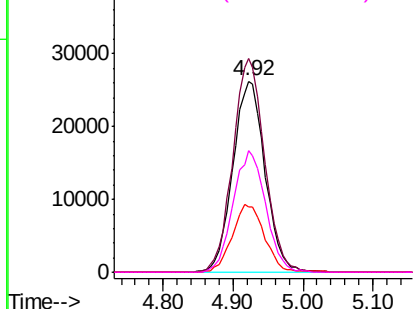
#20
Methylene Chloride
Concen: 19.991 ug/l
RT: 4.92 min Scan# 547
Delta R.T. -0.01 min
Lab File: VW005098.D
Acq: 04 Sep 2018 23:12

Instrument :
MSVOA_W
ClientSampleId :
SB-04

Tgt Ion:	84	Resp:	83607
Ion	Ratio	Lower	Upper
84	100		
49	111.9	88.7	133.1
51	34.5	28.6	42.8
86	63.5	49.4	74.2

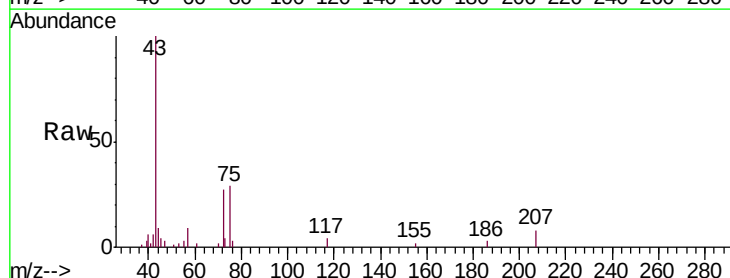


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

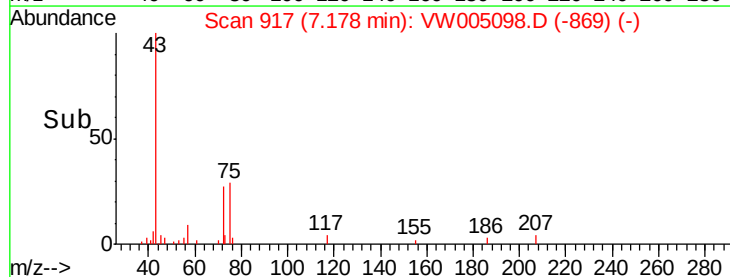
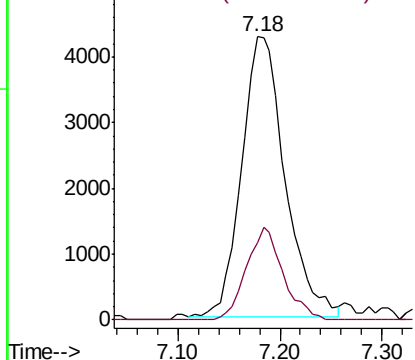


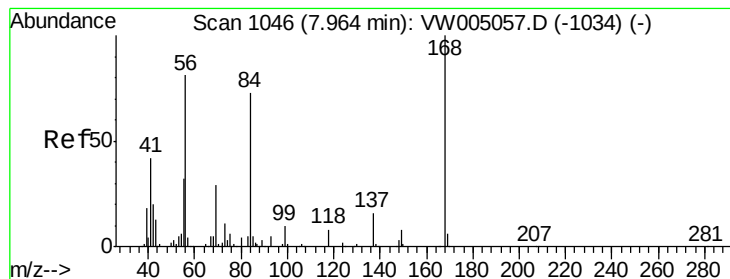
#25
2-Butanone
Concen: 13.062 ug/l
RT: 7.18 min Scan# 917
Delta R.T. -0.01 min
Lab File: VW005098.D
Acq: 04 Sep 2018 23:12

Tgt Ion:	43	Resp:	12559
Ion	Ratio	Lower	Upper
43	100		
72	27.7	23.1	34.7



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





#31

Cyclohexane

Concen: 1.107 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.01 min

Lab File: VW005098.D

Acq: 04 Sep 2018 23:12

Instrument :

MSVOA_W

ClientSampled :

SB-04

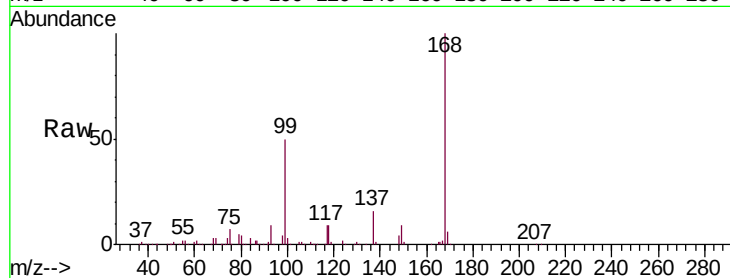
Tgt Ion: 56 Resp: 6011

Ion Ratio Lower Upper

56 100

69 170.5 28.2 42.2#

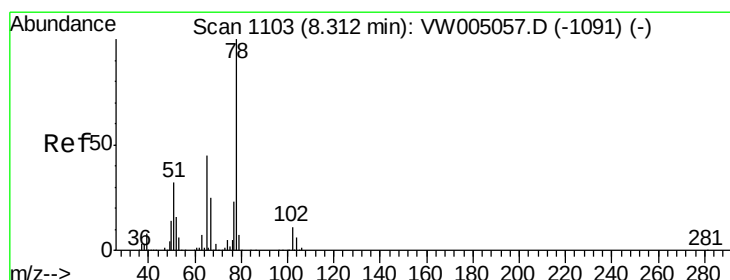
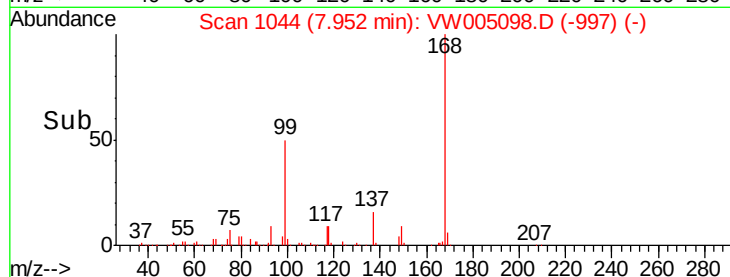
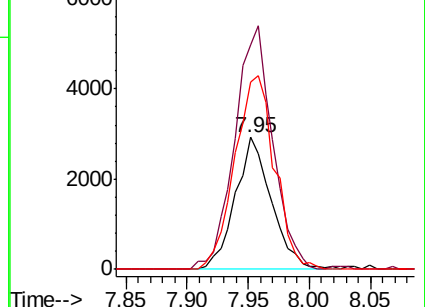
84 142.4 71.8 107.8#



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: 49.273 ug/l

RT: 8.31 min Scan# 1103

Delta R.T. -0.00 min

Lab File: VW005098.D

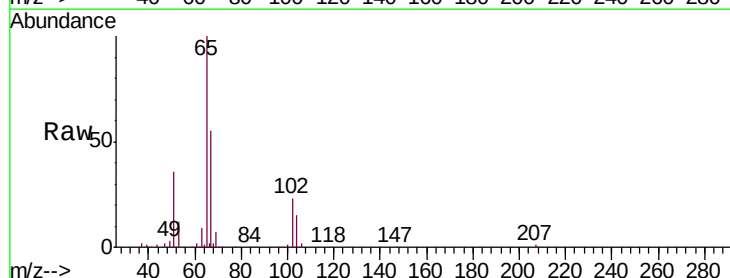
Acq: 04 Sep 2018 23:12

Tgt Ion: 65 Resp: 136192

Ion Ratio Lower Upper

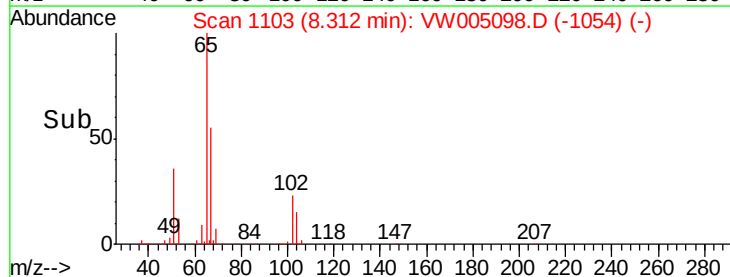
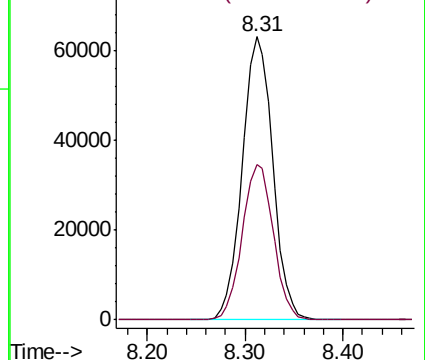
65 100

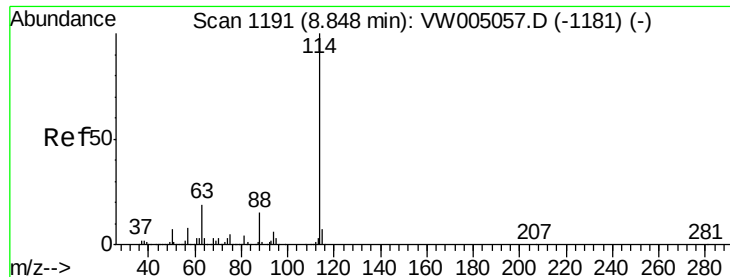
67 56.1 0.0 109.4



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: VW005098.D

Acq: 04 Sep 2018 23:12

Instrument :

MSVOA_W

ClientSampleId :

SB-04

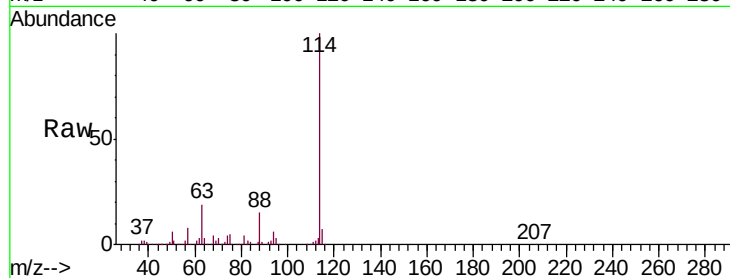
Tgt Ion:114 Resp: 484117

Ion Ratio Lower Upper

114 100

63 19.2 0.0 38.0

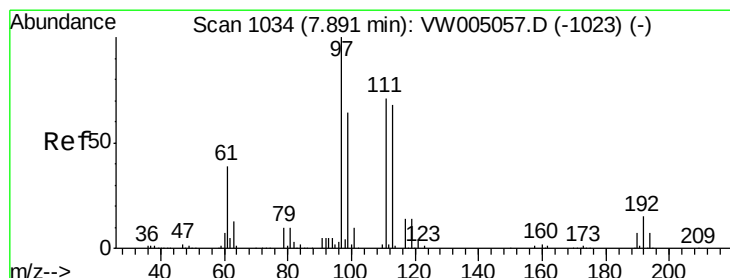
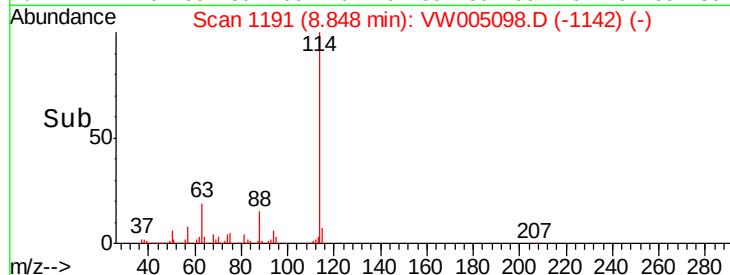
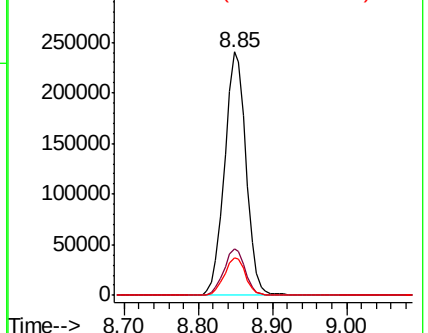
88 15.3 0.0 30.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW



#35

Dibromofluoromethane

Concen: 48.942 ug/l

RT: 7.89 min Scan# 1034

Delta R.T. -0.00 min

Lab File: VW005098.D

Acq: 04 Sep 2018 23:12

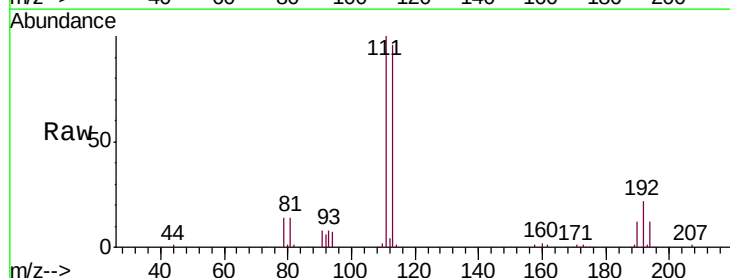
Tgt Ion:113 Resp: 136922

Ion Ratio Lower Upper

113 100

111 102.3 82.2 123.2

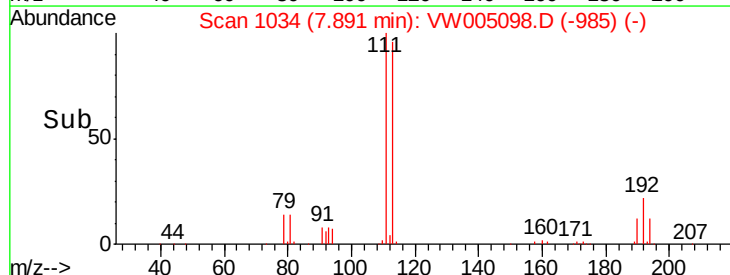
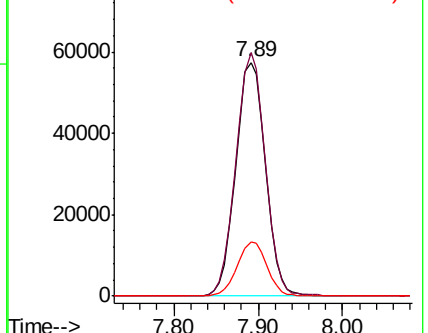
192 23.0 18.1 27.1

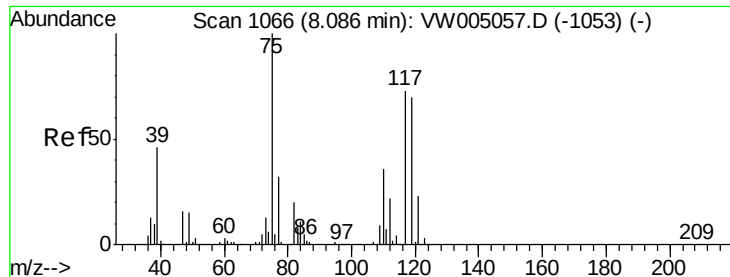


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.722 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.13 min

Lab File: VW005098.D

Acq: 04 Sep 2018 23:12

Instrument :

MSVOA_W

ClientSampleId :

SB-04

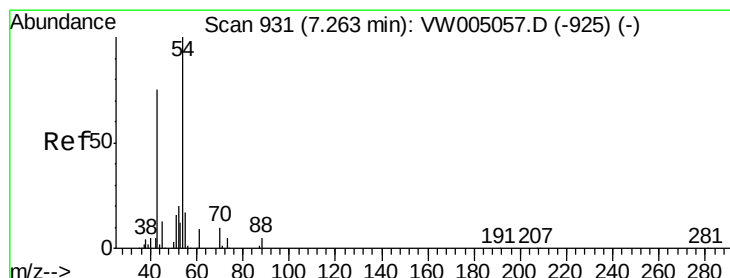
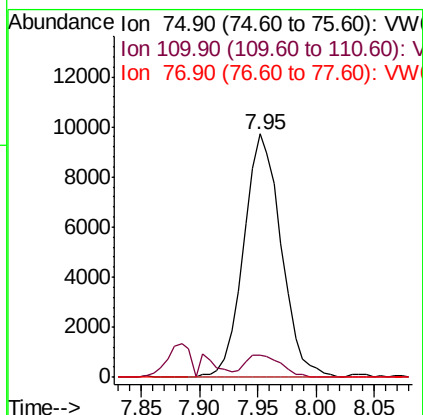
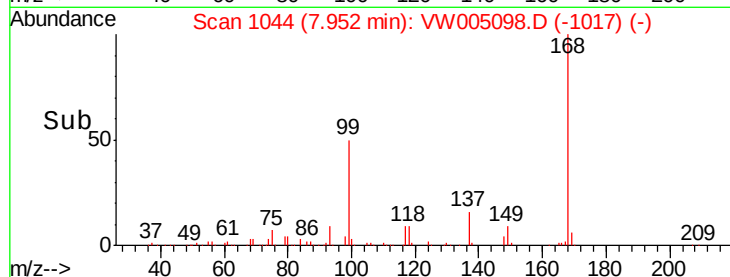
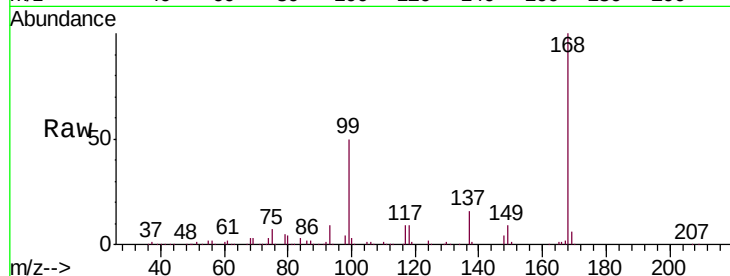
Tgt Ion: 75 Resp: 21772

Ion Ratio Lower Upper

75 100

110 8.9 18.9 56.7#

77 0.0 25.5 38.3#



#37

Ethyl Acetate

Concen: 7.284 ug/l

RT: 7.18 min Scan# 917

Delta R.T. -0.09 min

Lab File: VW005098.D

Acq: 04 Sep 2018 23:12

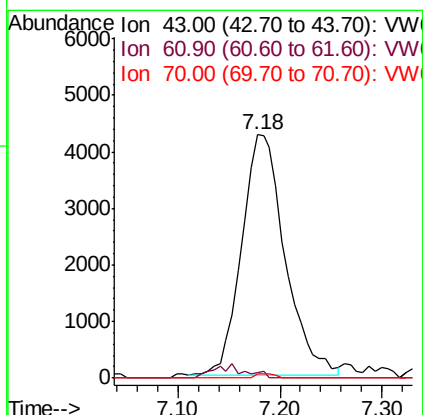
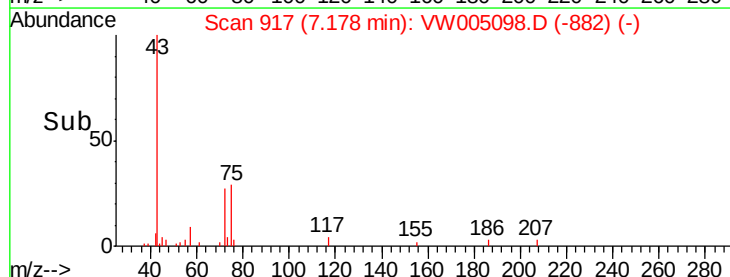
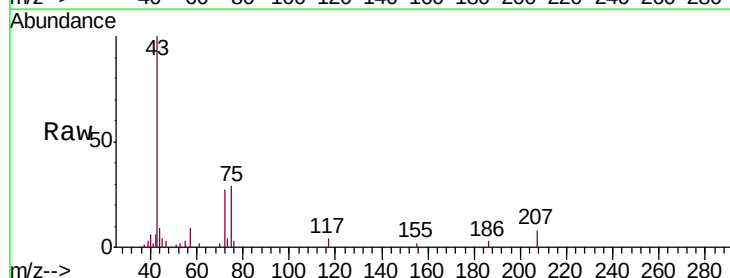
Tgt Ion: 43 Resp: 12559

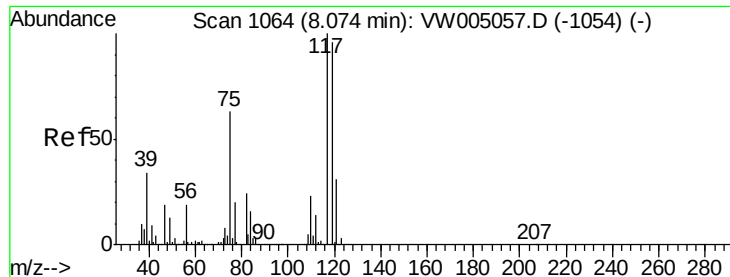
Ion Ratio Lower Upper

43 100

61 0.0 12.1 18.1#

70 0.8 9.4 14.2#





#38

Carbon Tetrachloride

Concen: 6.642 ug/l

RT: 7.96 min Scan# 1045

Delta R.T. -0.12 min

Lab File: VW005098.D

Acq: 04 Sep 2018 23:12

Instrument :

MSVOA_W

ClientSampleId :

SB-04

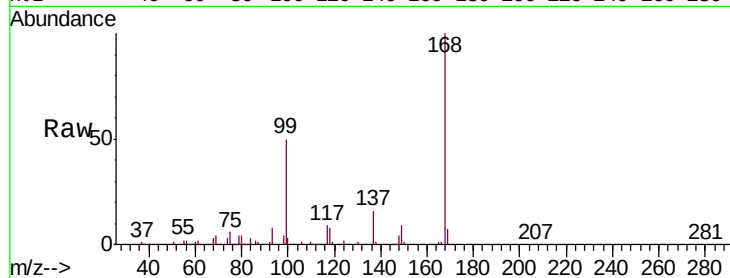
Tgt Ion:117 Resp: 29120

Ion Ratio Lower Upper

117 100

119 6.4 76.6 115.0#

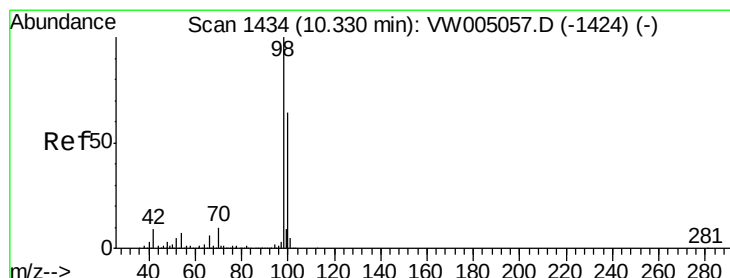
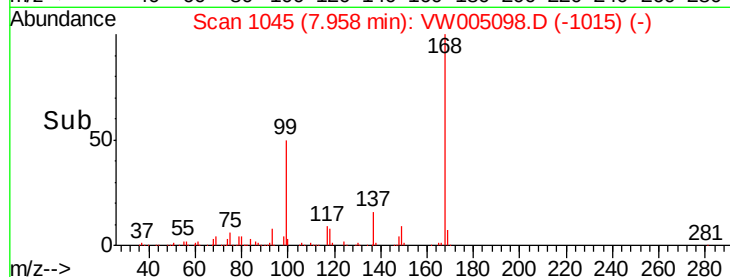
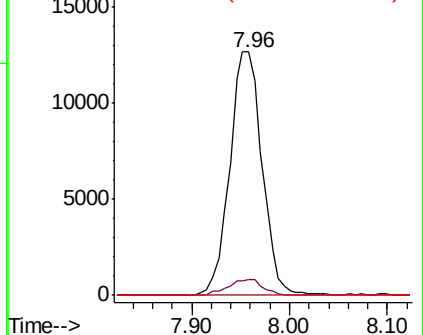
121 0.0 24.8 37.2#



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: 28.714 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW005098.D

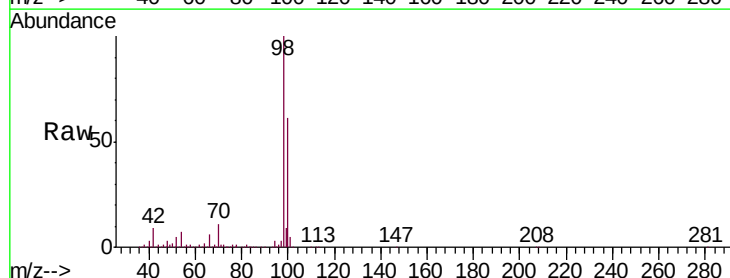
Acq: 04 Sep 2018 23:12

Tgt Ion: 98 Resp: 370152

Ion Ratio Lower Upper

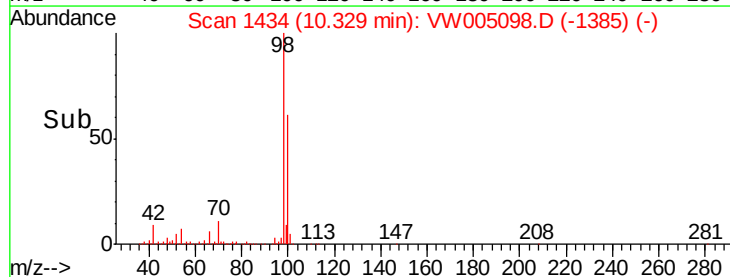
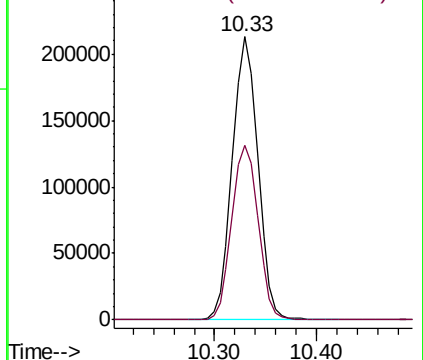
98 100

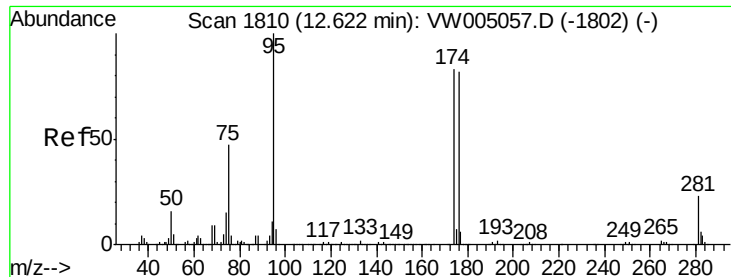
100 63.5 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): V

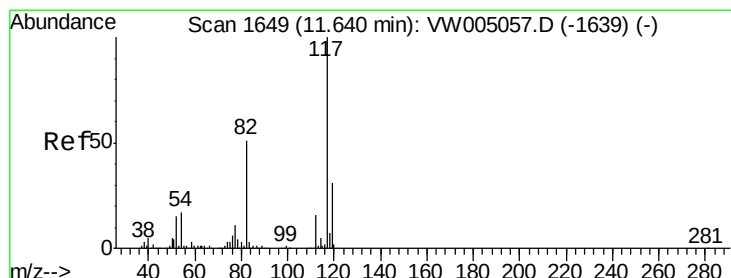
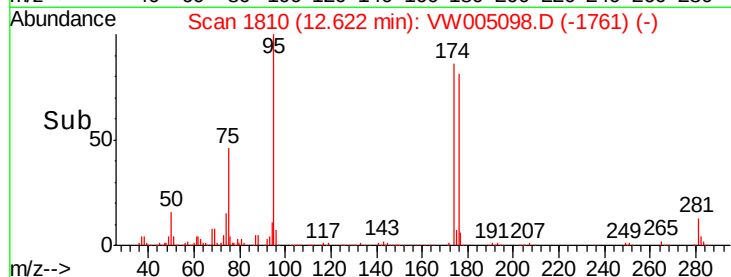
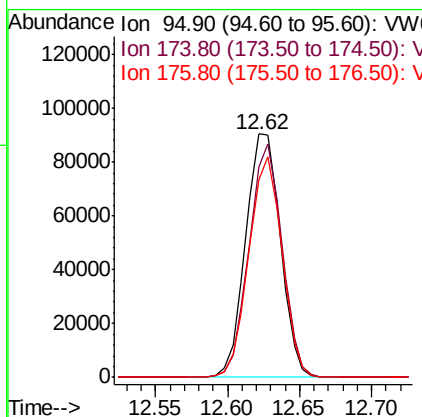
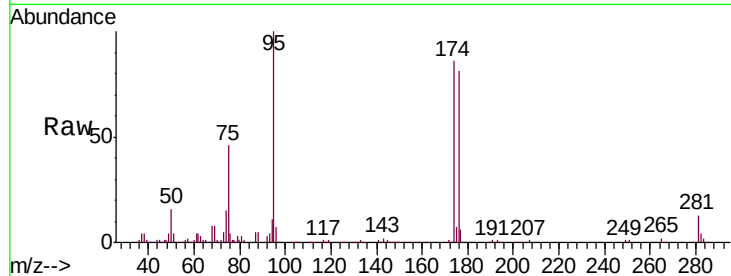




#62
4-Bromofluorobenzene
Concen: 33.287 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. -0.00 min
Lab File: VW005098.D
Acq: 04 Sep 2018 23:12

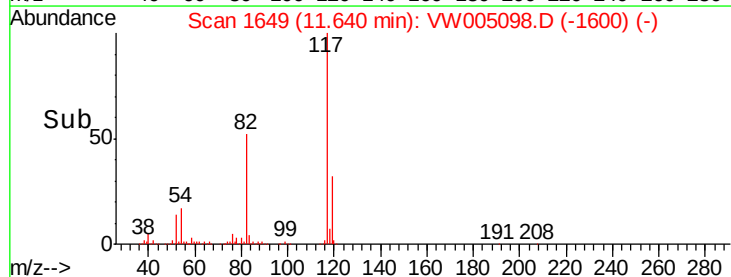
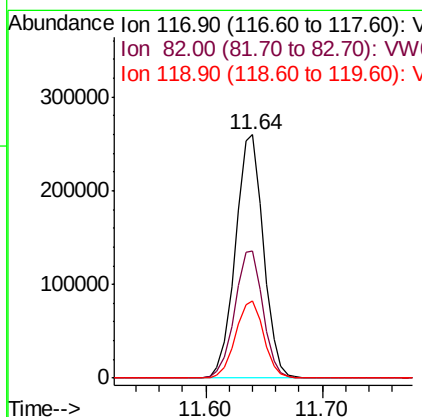
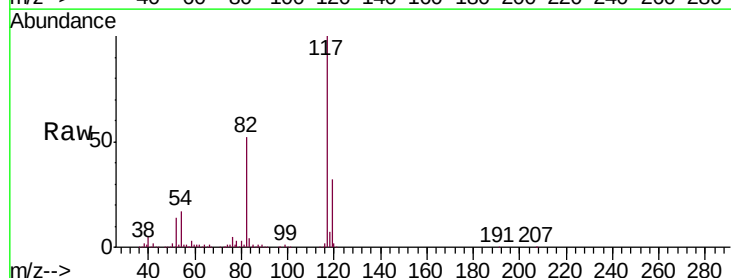
Instrument :
MSVOA_W
ClientSampleId :
SB-04

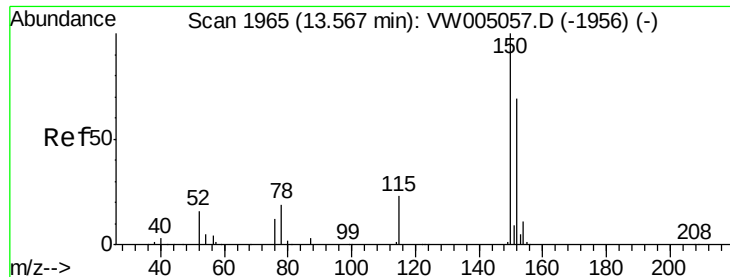
Tgt Ion	Ratio	Lower	Upper
95	100		
174	91.0	0.0	173.4
176	86.4	0.0	167.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1649
Delta R.T. -0.00 min
Lab File: VW005098.D
Acq: 04 Sep 2018 23:12

Tgt Ion	Ratio	Lower	Upper
117	100		
82	52.2	40.9	61.3
119	32.0	24.9	37.3

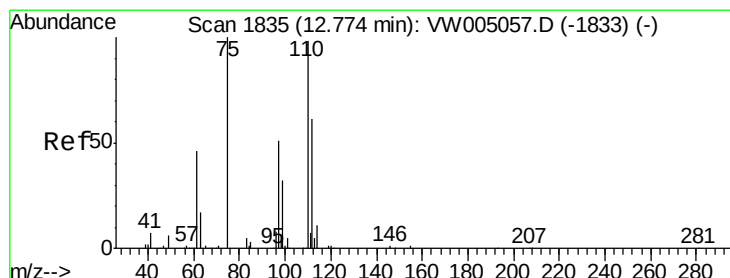
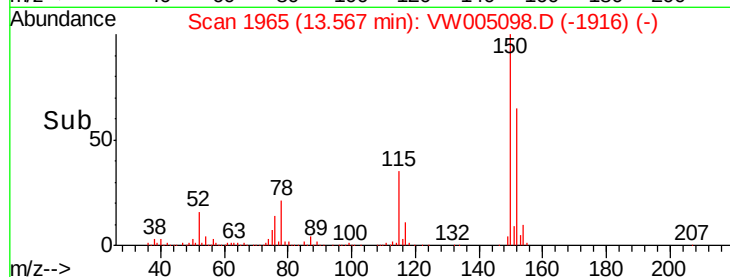
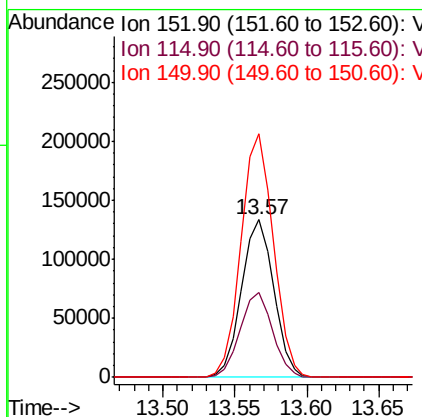
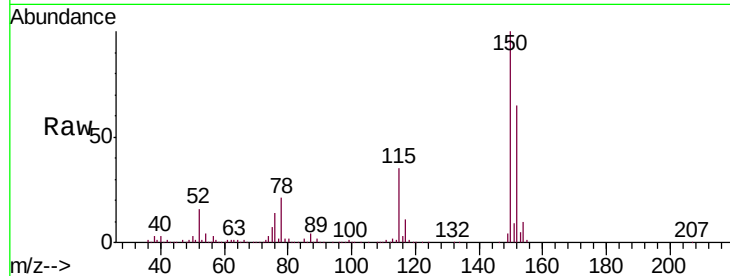




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.57 min Scan# 1965
 Delta R.T. -0.00 min
 Lab File: VW005098.D
 Acq: 04 Sep 2018 23:12

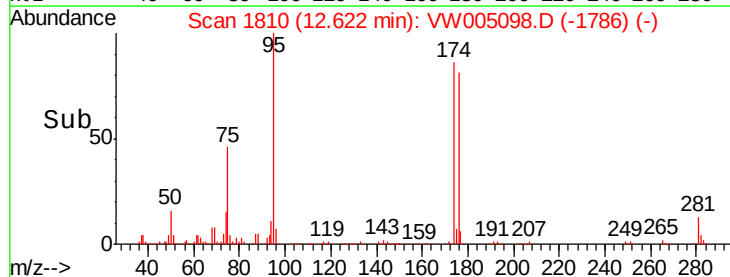
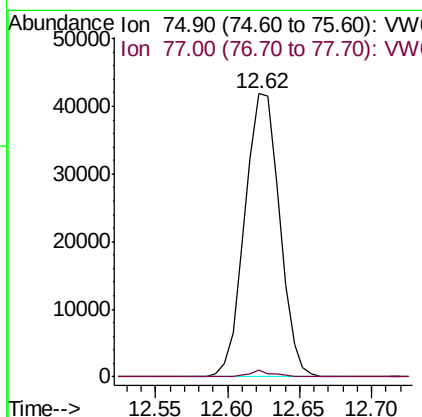
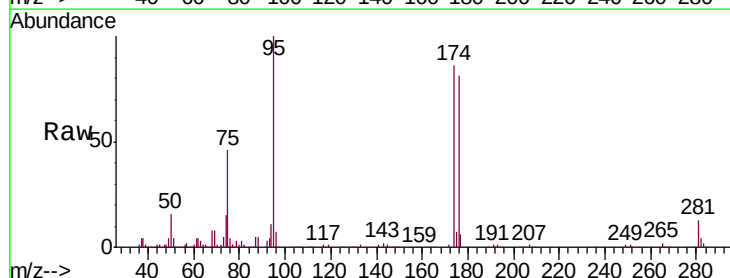
Instrument :
 MSVOA_W
 ClientSampled :
 SB-04

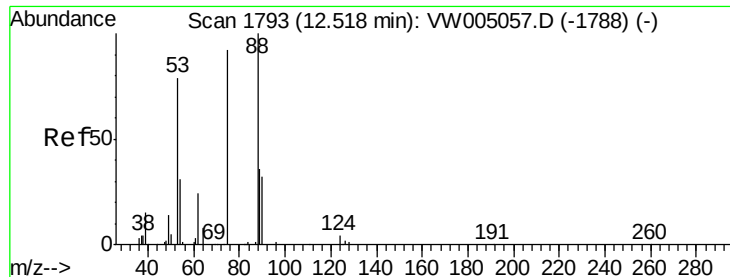
Tgt Ion:152 Resp: 207768
 Ion Ratio Lower Upper
 152 100
 115 53.9 27.8 83.4
 150 154.6 0.0 351.4



#76
 1,2,3-Trichloropropane
 Concen: 44.949 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. -0.15 min
 Lab File: VW005098.D
 Acq: 04 Sep 2018 23:12

Tgt Ion: 75 Resp: 70100
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#

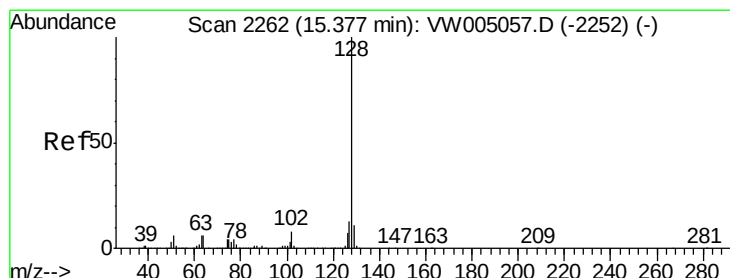
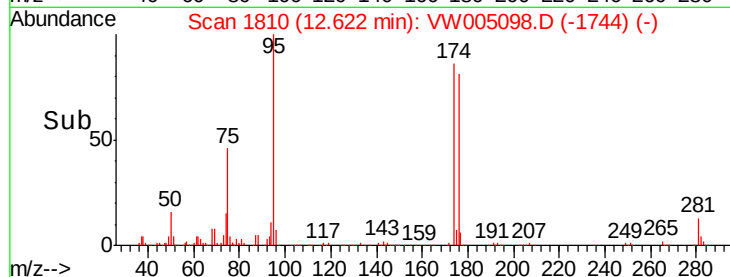
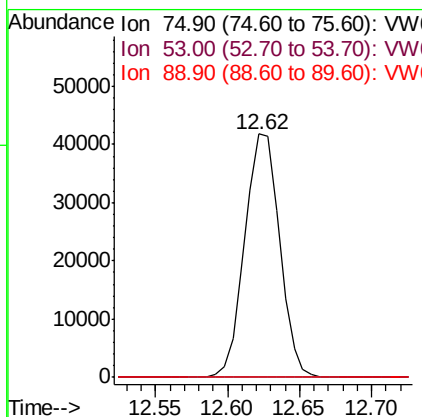
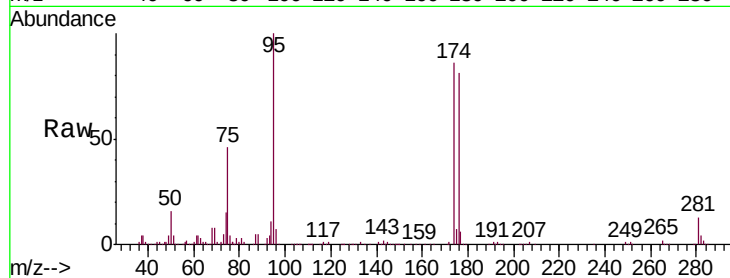




#81
trans-1,4-Dichloro-2-butene
Concen: 108.187 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. 0.10 min
Lab File: VW005098.D
Acq: 04 Sep 2018 23:12

Instrument :
MSVOA_W
ClientSampled :
SB-04

Tgt Ion: 75 Resp: 70100
Ion Ratio Lower Upper
75 100
53 0.4 69.8 104.8#
89 0.0 36.0 54.0#



#95
Naphthalene
Concen: 4.208 ug/l
RT: 15.38 min Scan# 2263
Delta R.T. 0.01 min
Lab File: VW005098.D
Acq: 04 Sep 2018 23:12

Tgt Ion: 128 Resp: 1863
Ion Ratio Lower Upper
128 100
127 15.0 10.4 15.6
129 9.1 8.7 13.1

