

Data File : VW004852.D
Acq On : 21 Aug 2018 19:54
Operator : SY/AP
Sample : J4555-02
Misc : 5.01G/5ML/MSVOA_W/SOIL
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SB-02-3.5-4.0

Quant Time: Aug 22 05:20:40 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W081918S.M
Quant Title : SW846 8260
QLast Update : Sat Aug 18 01:49:53 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	616866	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	997304	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	809032	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	267045	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	362273	60.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	121.48%	
35) Dibromofluoromethane	7.89	113	347845	54.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.14%	
50) Toluene-d8	10.33	98	1174850	47.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.44%	
62) 4-Bromofluorobenzene	12.62	95	307533	34.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	68.72%	

Target Compounds

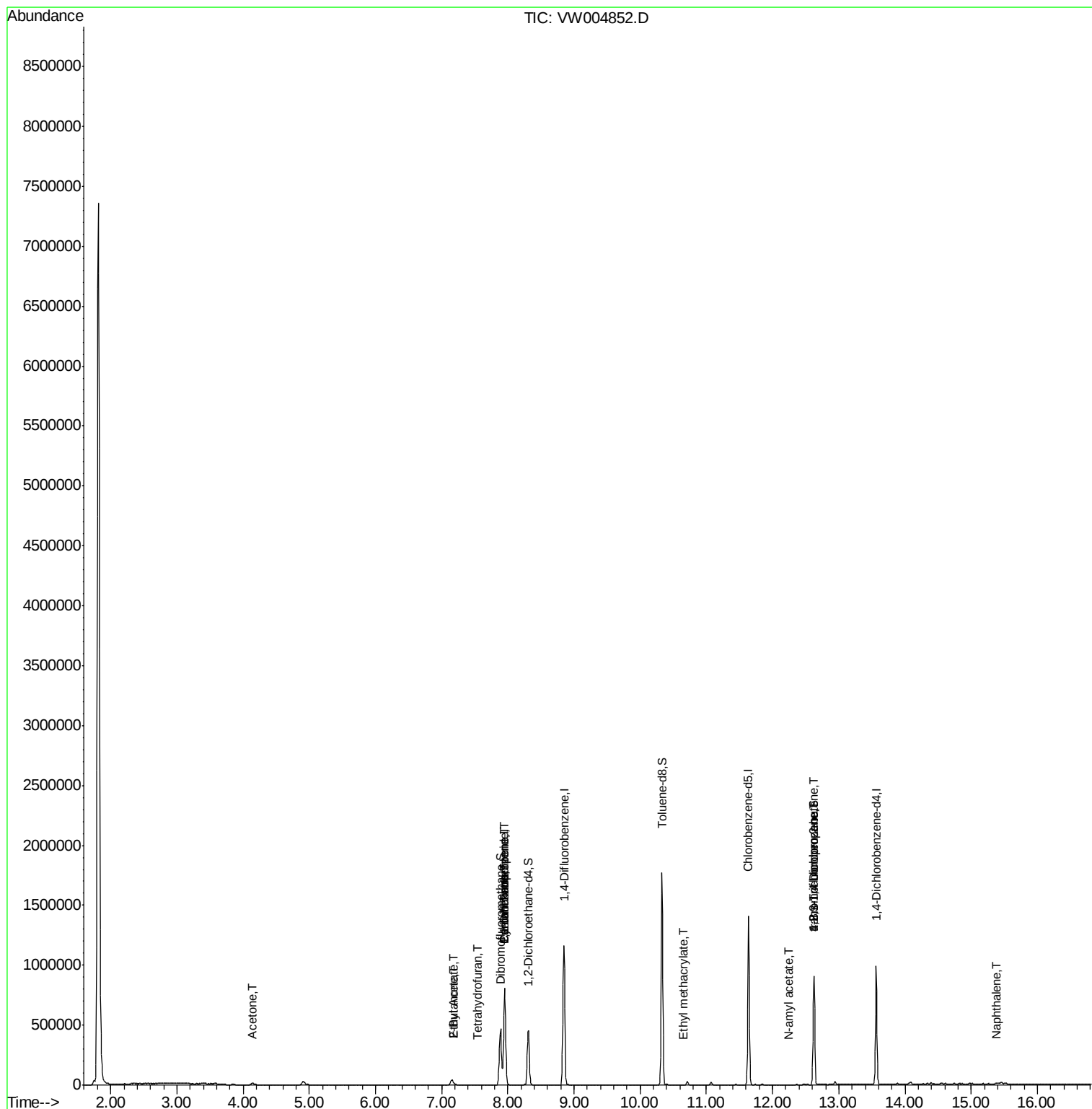
					Qvalue	
16) Acetone	4.15	43	24580	16.145	ug/l	98
20) Methylene Chloride	4.91	84	24069	Below Cal	#	96
25) 2-Butanone	7.18	43	9414	4.340	ug/l	97
29) Tetrahydrofuran	7.54	42	1656	1.497	ug/l #	77
31) Cyclohexane	7.95	56	11771	1.010	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	45452	4.424	ug/l #	48
37) Ethyl Acetate	7.18	43	9414	2.299	ug/l #	67
38) Carbon Tetrachloride	7.95	117	56925	6.019	ug/l #	16
56) Ethyl methacrylate	10.66	69	127	2.998	ug/l #	27
74) N-amyl acetate	12.25	43	295	4.083	ug/l #	47
76) 1,2,3-Trichloropropane	12.62	75	144840	61.528	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	144840	143.007	ug/l #	14
95) Naphthalene	15.38	128	4540	3.891	ug/l	97

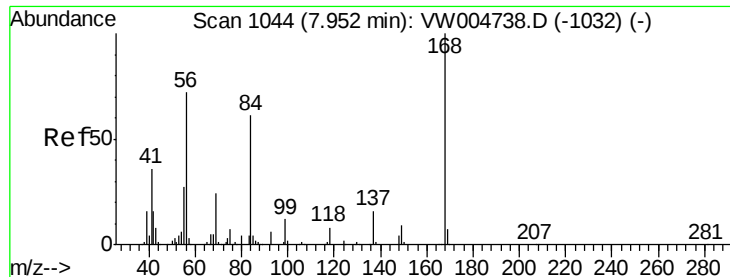
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW004852.D

Acq: 21 Aug 2018 19:54

Instrument :

MSVOA_W

ClientSampleId :

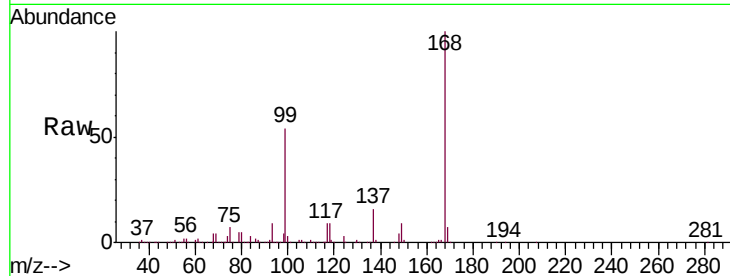
SB-02-3.5-4.0

Tgt Ion:168 Resp: 616866

Ion Ratio Lower Upper

168 100

99 53.8 41.0 61.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

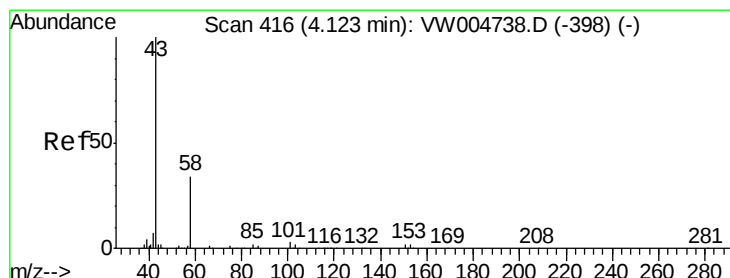
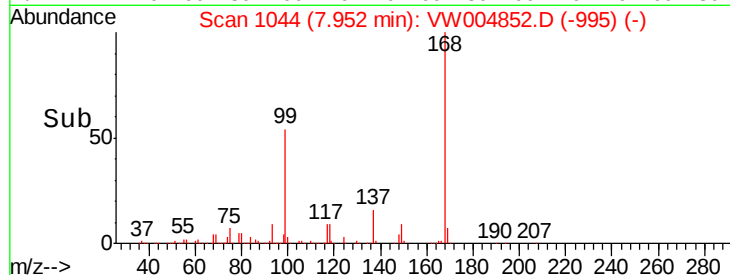
300000

200000

100000

0

Time-->



#16

Acetone

Concen: 16.145 ug/l

RT: 4.15 min Scan# 420

Delta R.T. 0.02 min

Lab File: VW004852.D

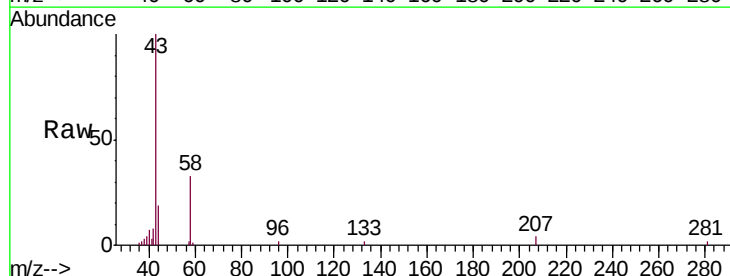
Acq: 21 Aug 2018 19:54

Tgt Ion: 43 Resp: 24580

Ion Ratio Lower Upper

43 100

58 33.0 27.3 40.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.15

8000

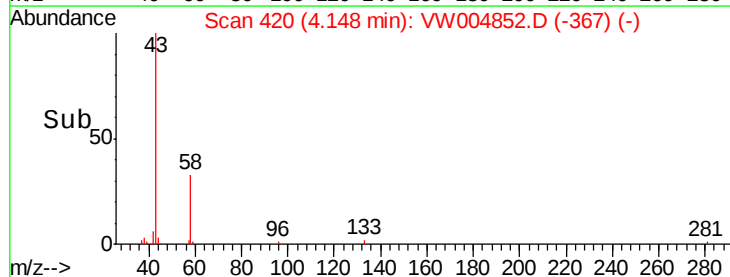
6000

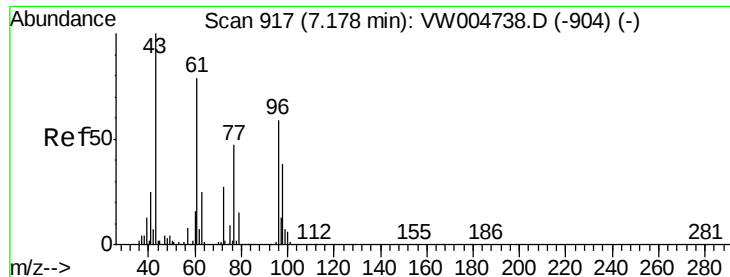
4000

2000

0

Time-->





#25

2-Butanone

Concen: 4.340 ug/l

RT: 7.18 min Scan# 918

Delta R.T. 0.01 min

Lab File: VW004852.D

Acq: 21 Aug 2018 19:54

Instrument :

MSVOA_W

ClientSampleId :

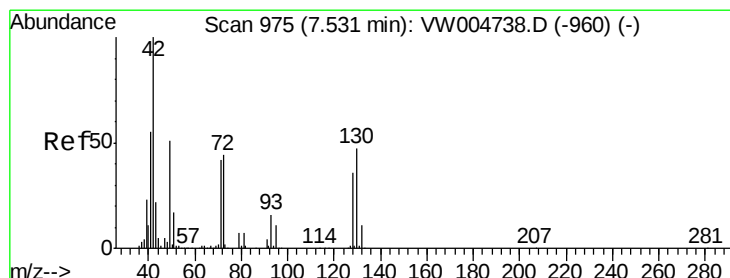
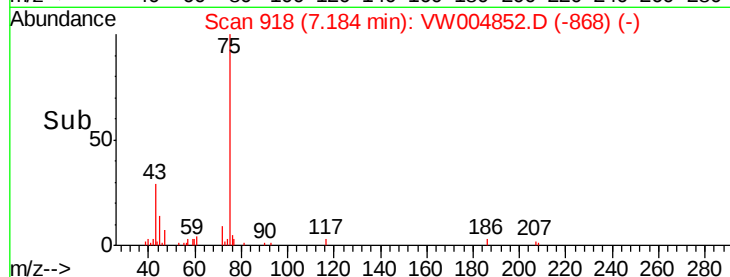
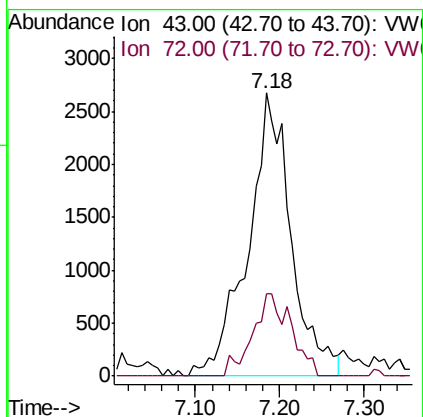
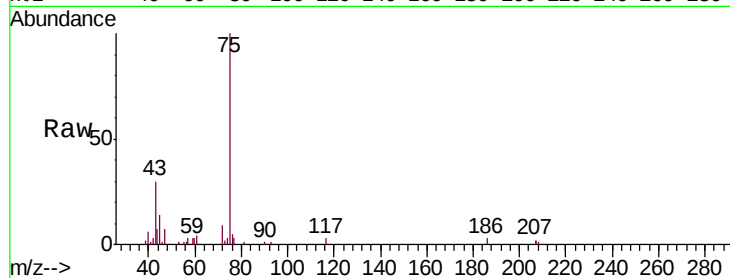
SB-02-3.5-4.0

Tgt Ion: 43 Resp: 9414

Ion Ratio Lower Upper

43 100

72 29.2 22.0 33.0



#29

Tetrahydrofuran

Concen: 1.497 ug/l

RT: 7.54 min Scan# 977

Delta R.T. 0.01 min

Lab File: VW004852.D

Acq: 21 Aug 2018 19:54

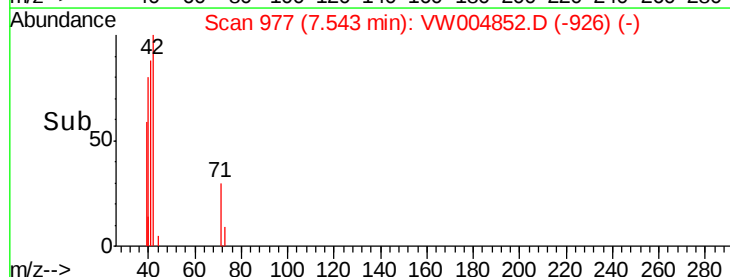
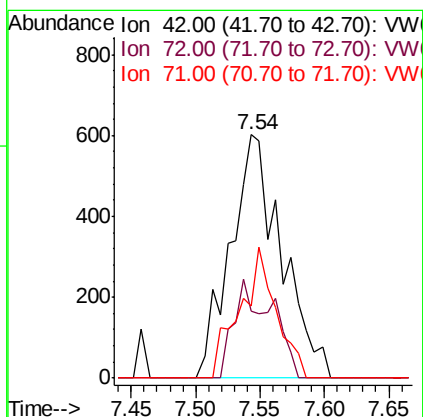
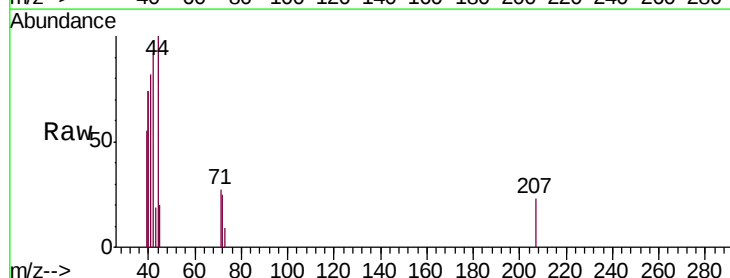
Tgt Ion: 42 Resp: 1656

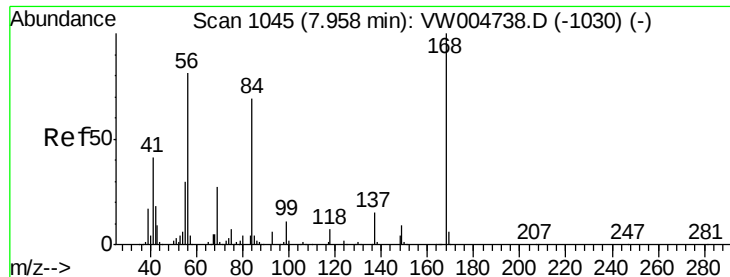
Ion Ratio Lower Upper

42 100

72 18.4 34.9 52.3#

71 38.3 33.8 50.6

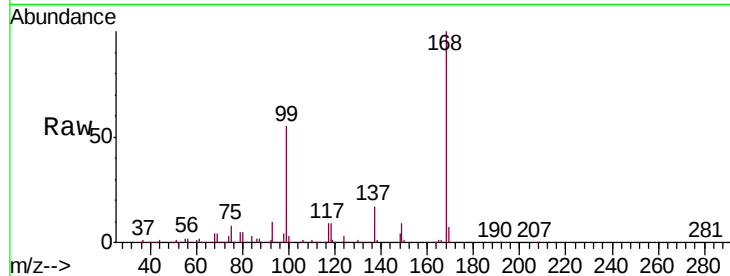




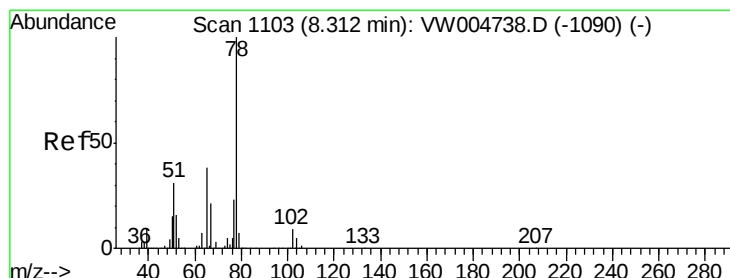
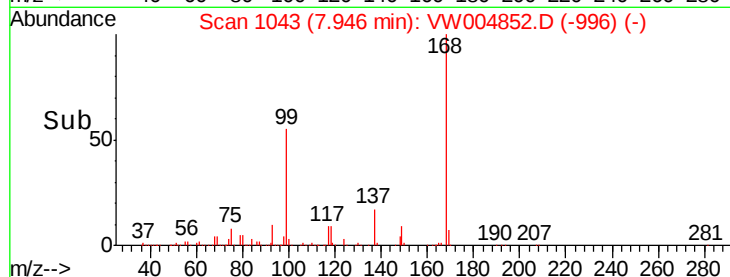
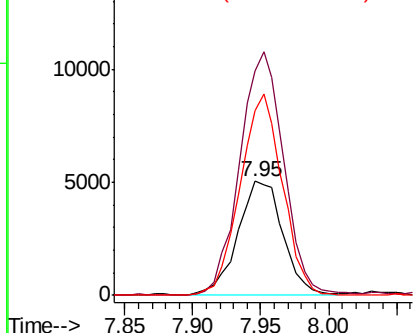
#31
Cyclohexane
Concen: 1.010 ug/l
RT: 7.95 min Scan# 1043
Delta R.T. -0.01 min
Lab File: VW004852.D
Acq: 21 Aug 2018 19:54

Instrument :
MSVOA_W
ClientSampleID :
SB-02-3.5-4.0

Tgt Ion: 56 Resp: 11771
Ion Ratio Lower Upper
56 100
69 196.6 27.1 40.7#
84 162.4 68.3 102.5#

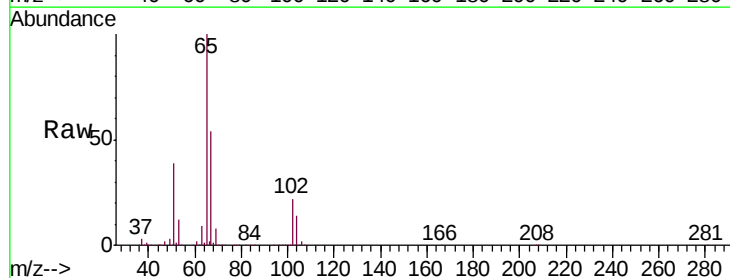


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

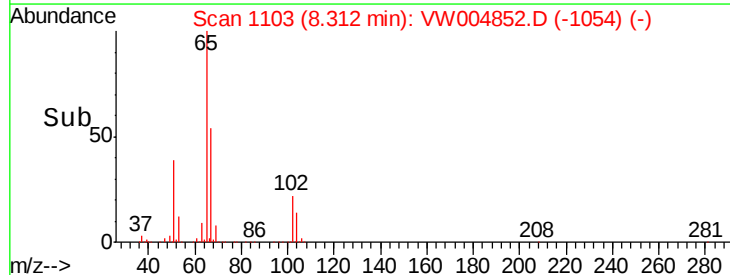
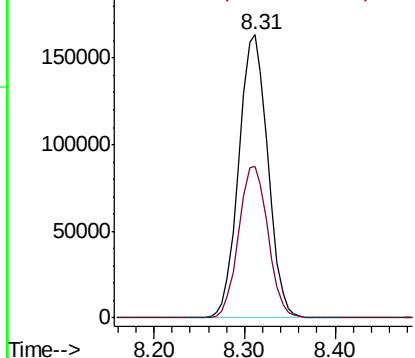


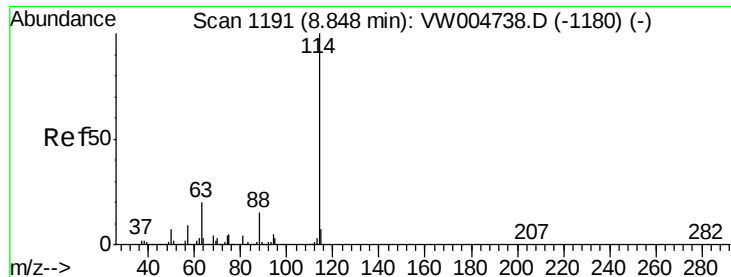
#33
1,2-Dichloroethane-d4
Concen: 60.744 ug/l
RT: 8.31 min Scan# 1103
Delta R.T. 0.00 min
Lab File: VW004852.D
Acq: 21 Aug 2018 19:54

Tgt Ion: 65 Resp: 362273
Ion Ratio Lower Upper
65 100
67 54.2 0.0 109.4



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

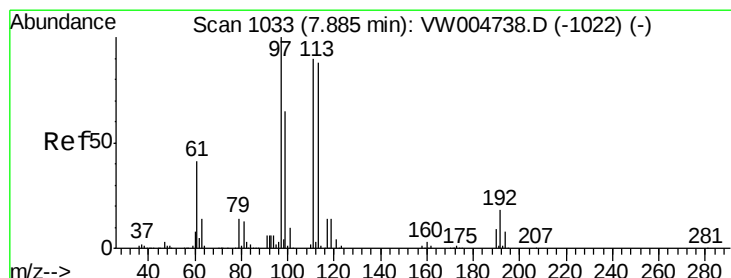
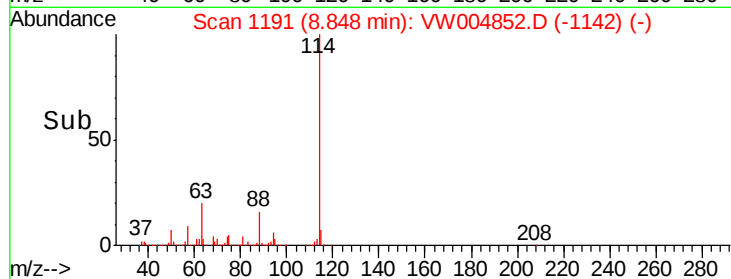
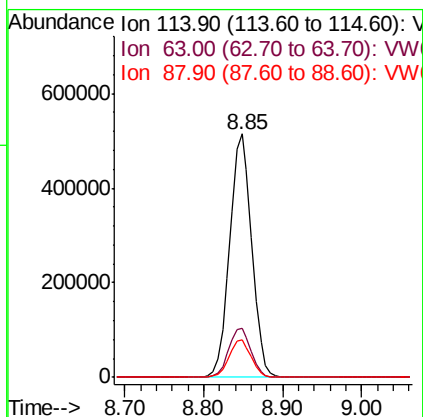
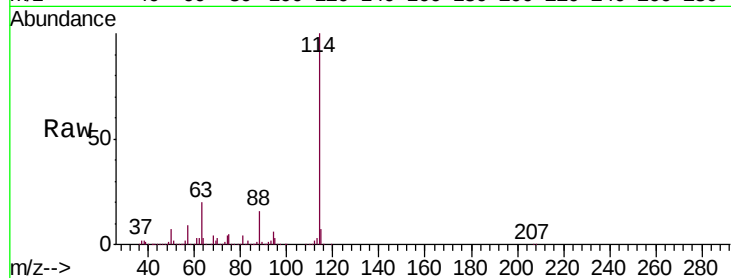




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VW004852.D
 Acq: 21 Aug 2018 19:54

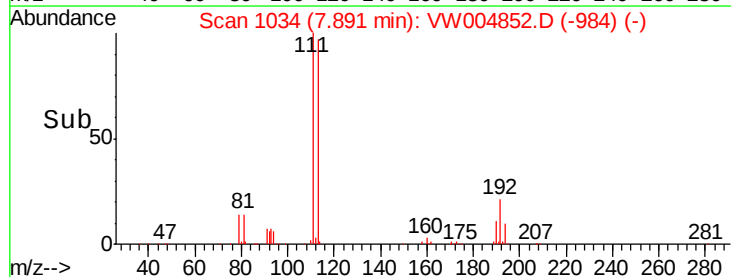
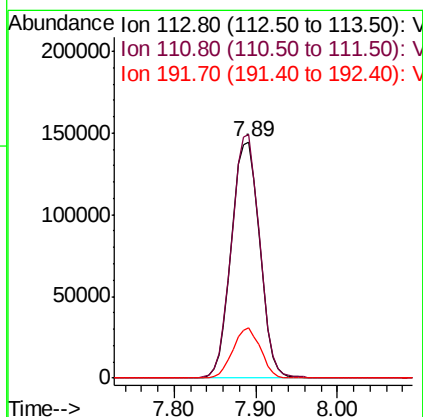
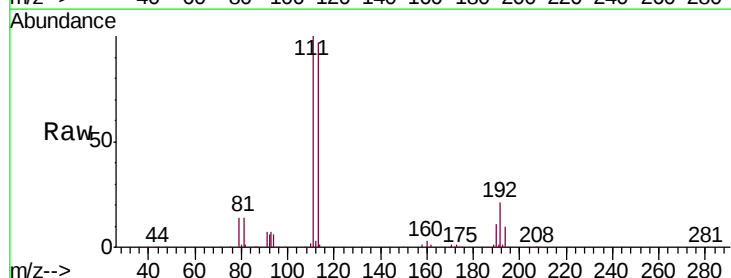
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-02-3.5-4.0

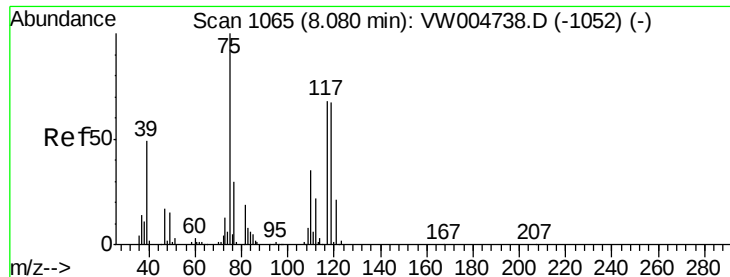
Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.9	0.0	39.0
88	15.6	0.0	30.0



#35
 Dibromofluoromethane
 Concen: 54.572 ug/l
 RT: 7.89 min Scan# 1034
 Delta R.T. 0.01 min
 Lab File: VW004852.D
 Acq: 21 Aug 2018 19:54

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.4	82.4	123.6
192	20.7	16.7	25.1





#36

1,1-Dichloropropene

Concen: 4.424 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.13 min

Lab File: VW004852.D

Acq: 21 Aug 2018 19:54

Instrument :

MSVOA_W

ClientSampleId :

SB-02-3.5-4.0

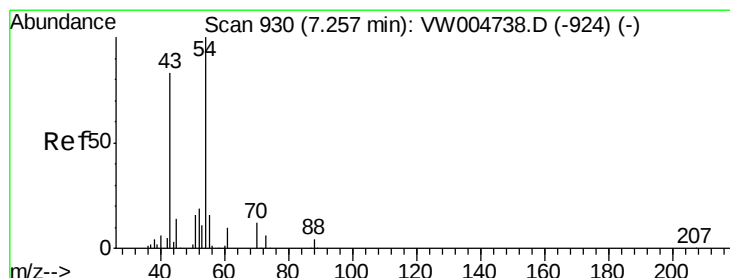
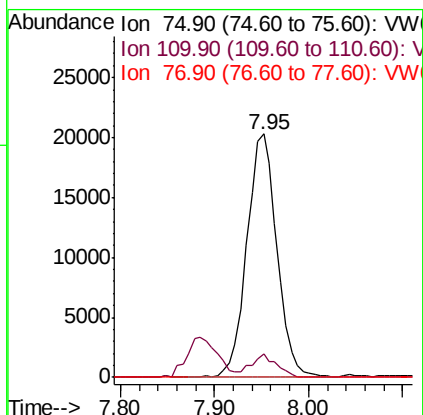
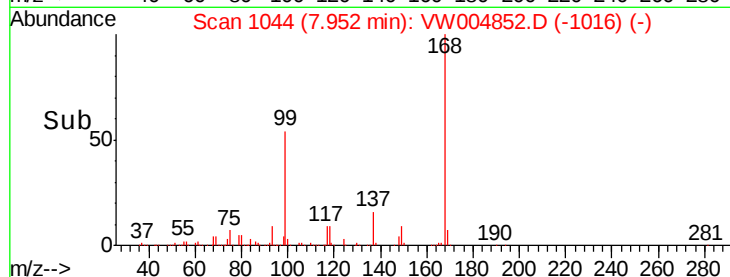
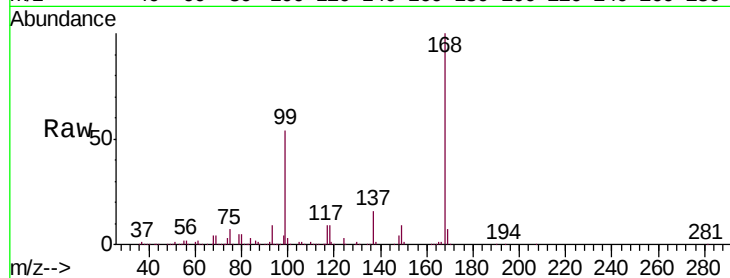
Tgt Ion: 75 Resp: 45452

Ion Ratio Lower Upper

75 100

110 7.9 17.8 53.5#

77 0.1 24.9 37.3#



#37

Ethyl Acetate

Concen: 2.299 ug/l

RT: 7.18 min Scan# 918

Delta R.T. -0.07 min

Lab File: VW004852.D

Acq: 21 Aug 2018 19:54

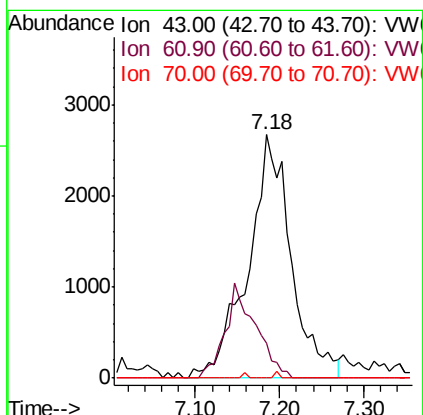
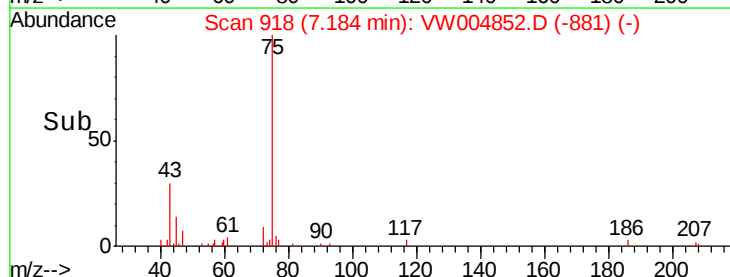
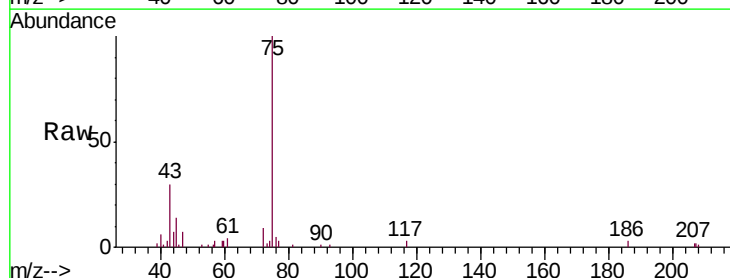
Tgt Ion: 43 Resp: 9414

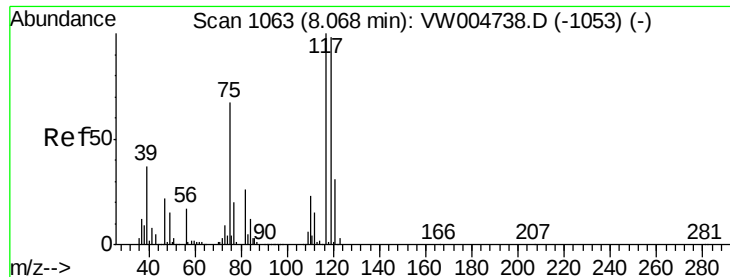
Ion Ratio Lower Upper

43 100

61 0.0 11.6 17.4#

70 0.3 9.2 13.8#

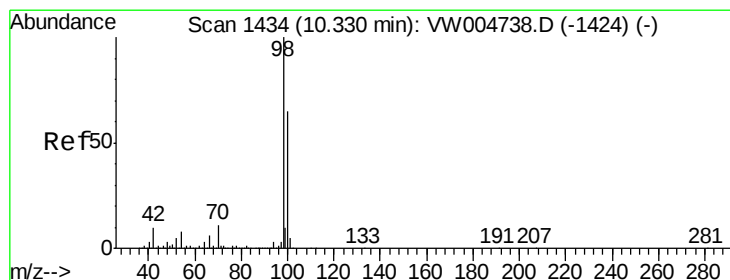
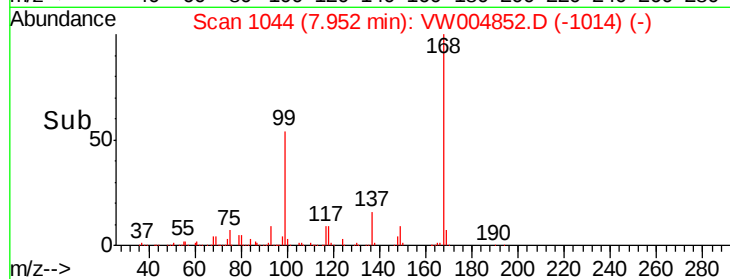
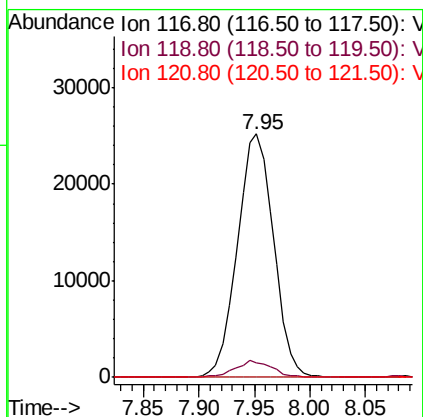
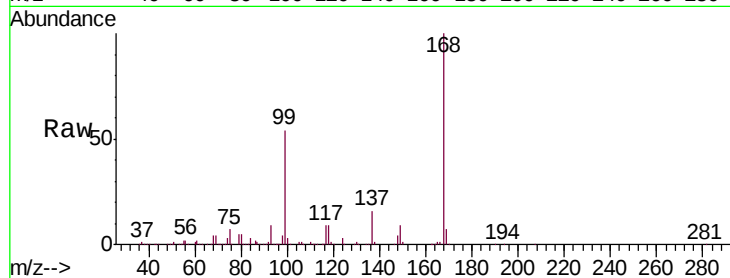




#38
Carbon Tetrachloride
Concen: 6.019 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. -0.12 min
Lab File: VW004852.D
Acq: 21 Aug 2018 19:54

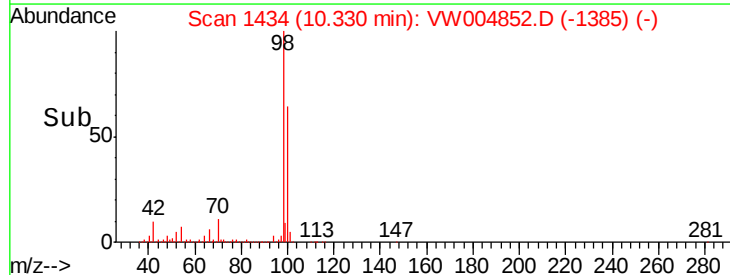
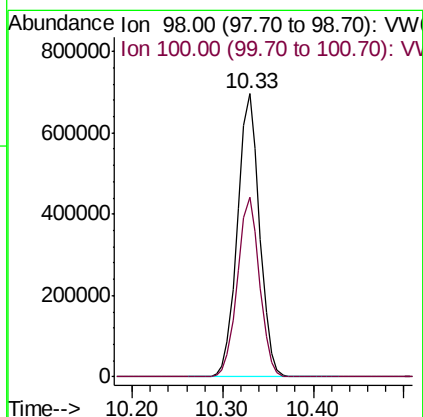
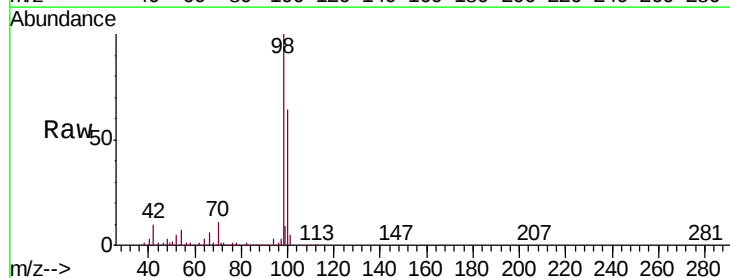
Instrument :
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SB-02-3.5-4.0

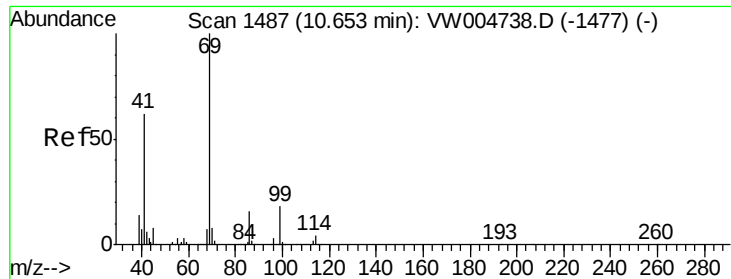
Tgt Ion:117 Resp: 56925
Ion Ratio Lower Upper
117 100
119 5.8 78.0 117.0#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 47.217 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VW004852.D
Acq: 21 Aug 2018 19:54

Tgt Ion: 98 Resp: 1174850
Ion Ratio Lower Upper
98 100
100 63.5 51.8 77.8





#56

Ethyl methacrylate

Concen: 2.998 ug/l

RT: 10.66 min Scan# 1488

Delta R.T. 0.01 min

Lab File: VW004852.D

Acq: 21 Aug 2018 19:54

Instrument :

MSVOA_W

ClientSampleId :

SB-02-3.5-4.0

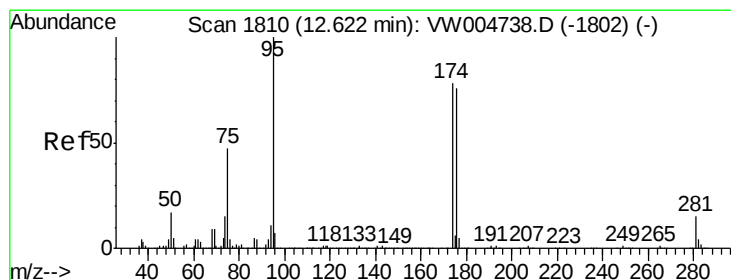
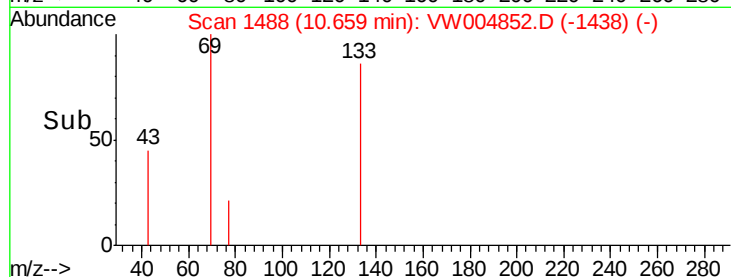
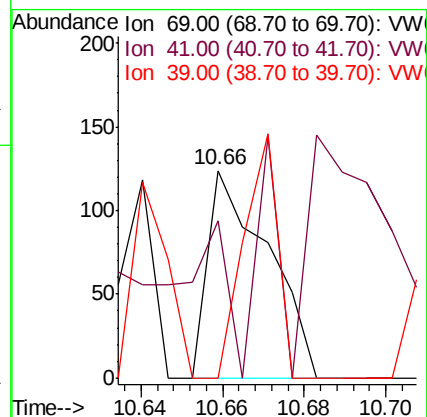
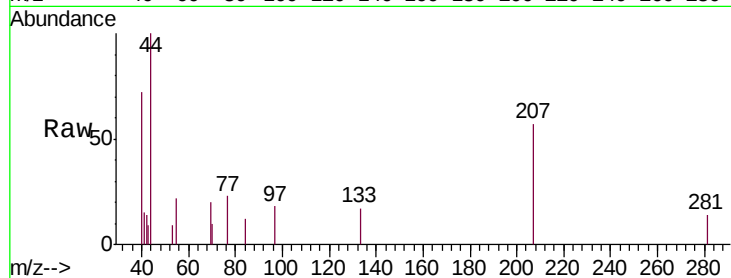
Tgt Ion: 69 Resp: 127

Ion Ratio Lower Upper

69 100

41 0.0 50.7 76.1#

39 0.0 21.4 32.2#



#62

4-Bromofluorobenzene

Concen: 34.355 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VW004852.D

Acq: 21 Aug 2018 19:54

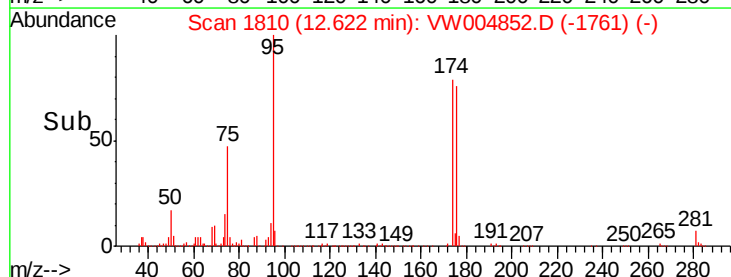
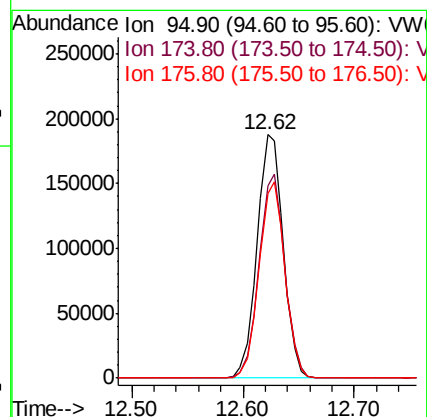
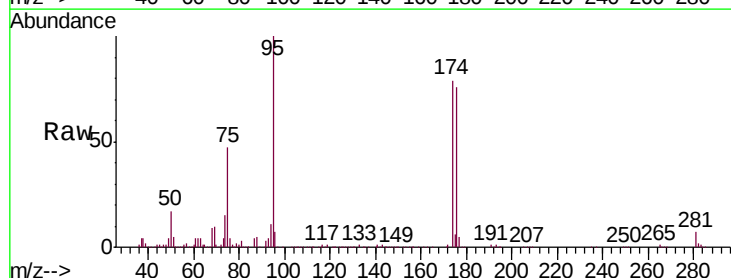
Tgt Ion: 95 Resp: 307533

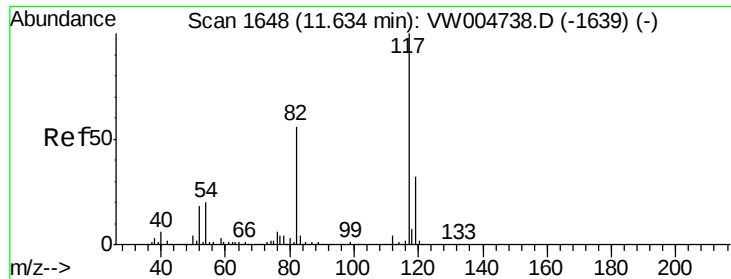
Ion Ratio Lower Upper

95 100

174 82.5 0.0 165.8

176 79.9 0.0 159.8

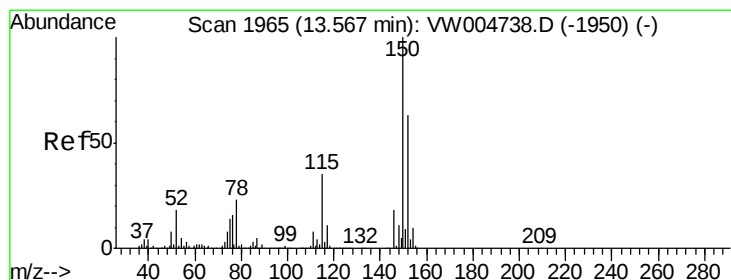
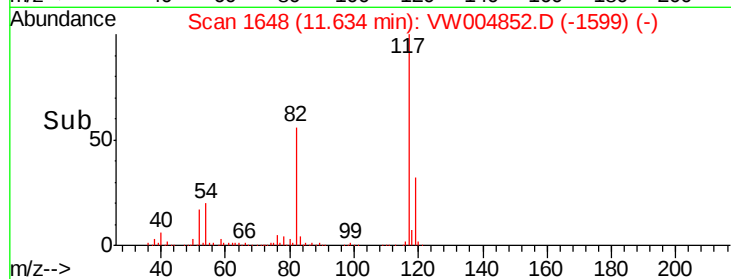
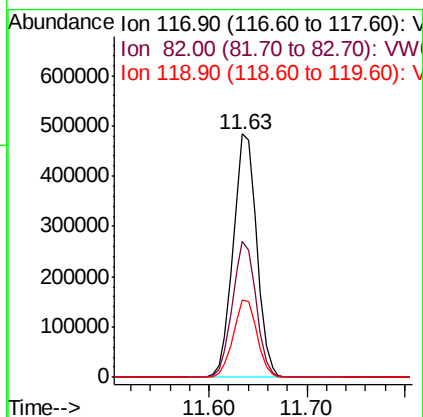
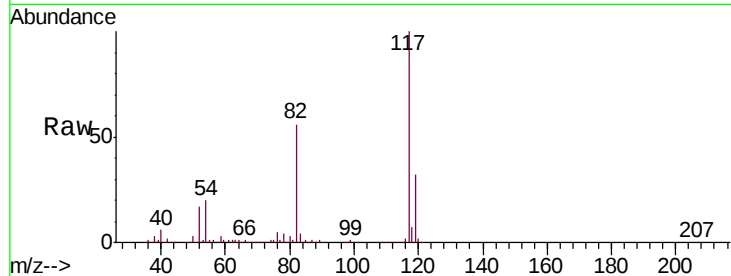




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. 0.00 min
Lab File: VW004852.D
Acq: 21 Aug 2018 19:54

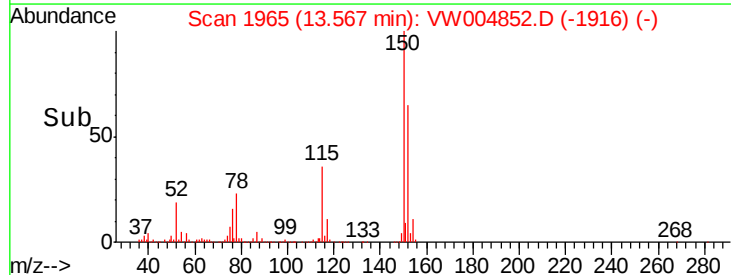
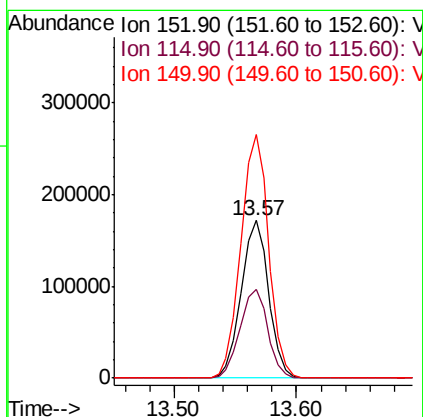
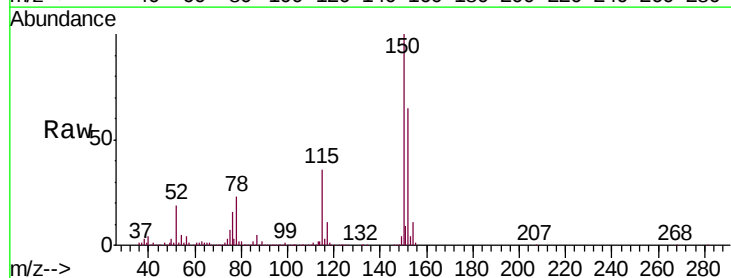
Instrument :
MSVOA_W
ClientSampleId :
SB-02-3.5-4.0

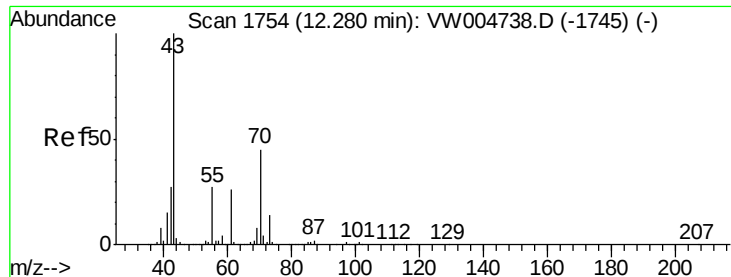
Tgt Ion:117 Resp: 809032
Ion Ratio Lower Upper
117 100
82 56.1 44.6 67.0
119 31.6 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. 0.00 min
Lab File: VW004852.D
Acq: 21 Aug 2018 19:54

Tgt Ion:152 Resp: 267045
Ion Ratio Lower Upper
152 100
115 57.1 28.5 85.5
150 155.7 0.0 344.8

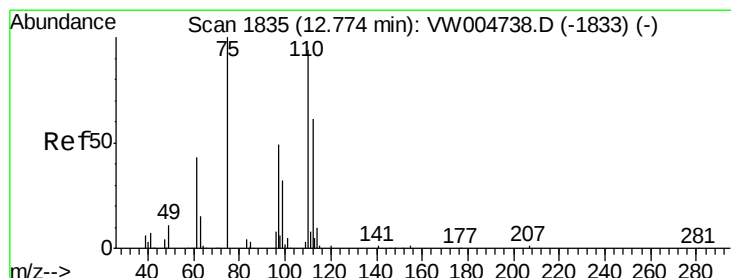
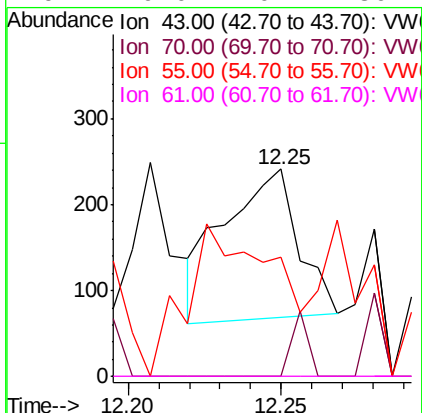
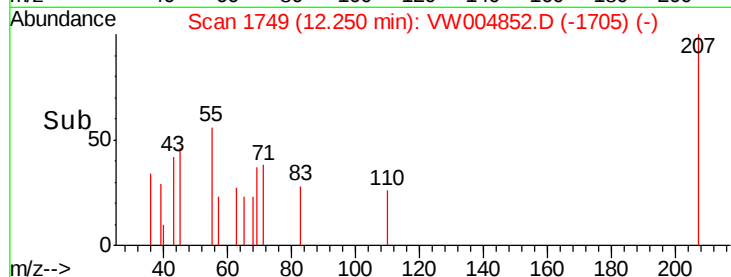
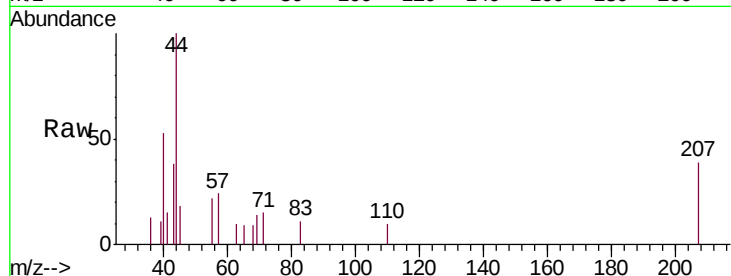




#74
N-ethyl acetate
Concen: 4.083 ug/l
RT: 12.25 min Scan# 1749
Delta R.T. -0.03 min
Lab File: VW004852.D
Acq: 21 Aug 2018 19:54

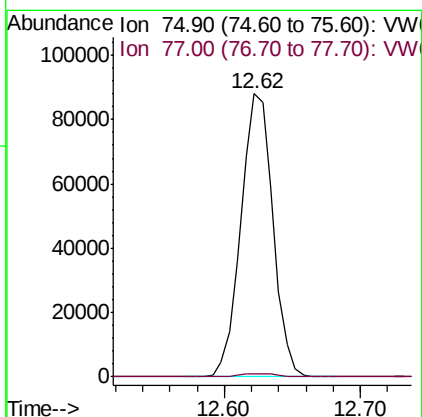
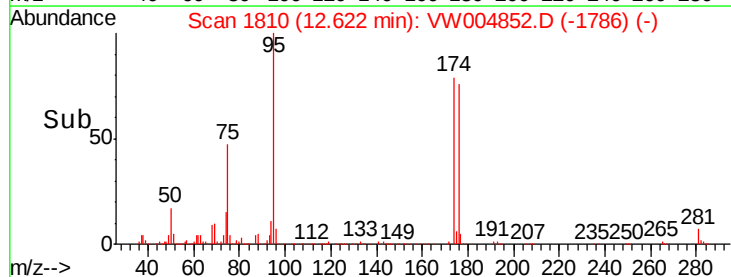
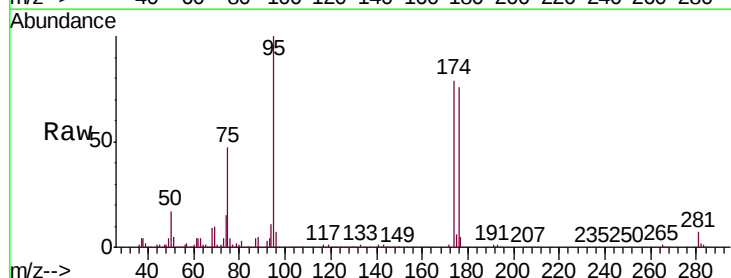
Instrument :
MSVOA_W
ClientSampled :
SB-02-3.5-4.0

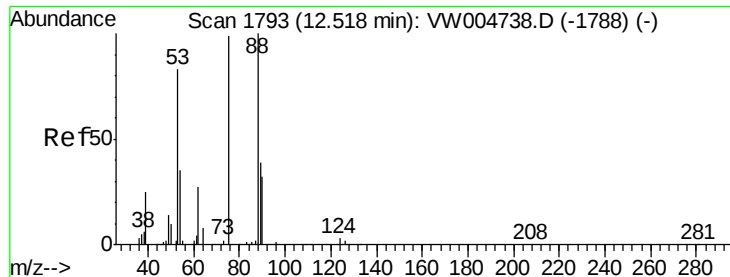
Tgt Ion: 43 Resp: 295
Ion Ratio Lower Upper
43 100
70 9.5 36.3 54.5#
55 0.0 22.6 33.8#
61 0.0 20.2 30.4#



#76
1,2,3-Trichloropropane
Concen: 61.528 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. -0.15 min
Lab File: VW004852.D
Acq: 21 Aug 2018 19:54

Tgt Ion: 75 Resp: 144840
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 143.007 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.10 min

Lab File: VW004852.D

Acq: 21 Aug 2018 19:54

Instrument :

MSVOA_W

ClientSampleId :

SB-02-3.5-4.0

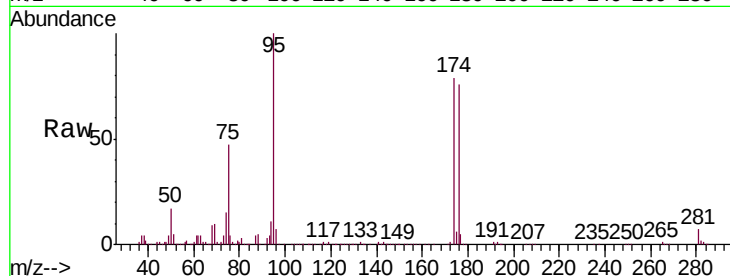
Tgt Ion: 75 Resp: 144840

Ion Ratio Lower Upper

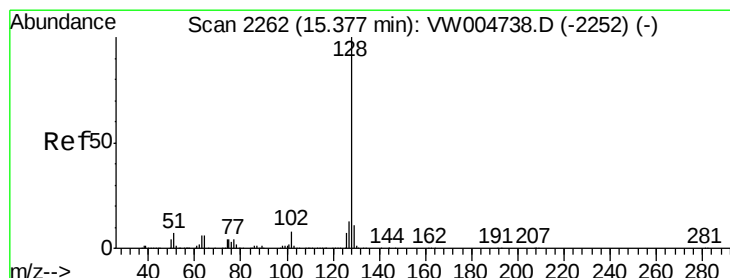
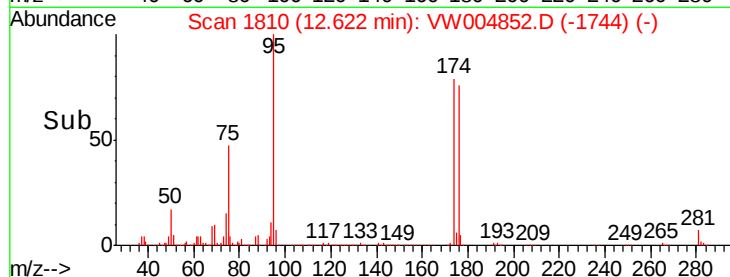
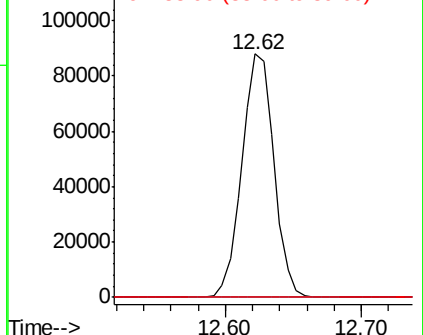
75 100

53 0.4 72.2 108.4#

89 0.1 35.2 52.8#



Abundance Ion 74.90 (74.60 to 75.60): VW
120000
Ion 53.00 (52.70 to 53.70): VW
Ion 88.90 (88.60 to 89.60): VW



#95

Naphthalene

Concen: 3.891 ug/l

RT: 15.38 min Scan# 2262

Delta R.T. 0.00 min

Lab File: VW004852.D

Acq: 21 Aug 2018 19:54

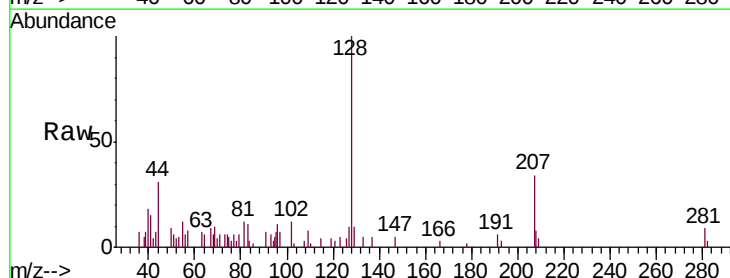
Tgt Ion: 128 Resp: 4540

Ion Ratio Lower Upper

128 100

127 12.6 10.4 15.6

129 12.8 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V
3000
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

