

Data File : VW008245.D
Acq On : 14 Jan 2019 14:24
Operator : SY/VA
Sample : K1122-11RE
Misc : 5.61G/5ML/MSVOA_W/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SB-8I(16-16.5)

Quant Time: Jan 14 21:13:22 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010819S.M
Quant Title : SW846 8260
QLast Update : Wed Jan 09 04:40:48 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	87586	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	159805	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	145115	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	67534	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	53492	54.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.68%	
35) Dibromofluoromethane	7.88	113	52947	56.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.62%	
50) Toluene-d8	10.32	98	205225	52.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.94%	
62) 4-Bromofluorobenzene	12.62	95	66497	47.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.84%	

Target Compounds

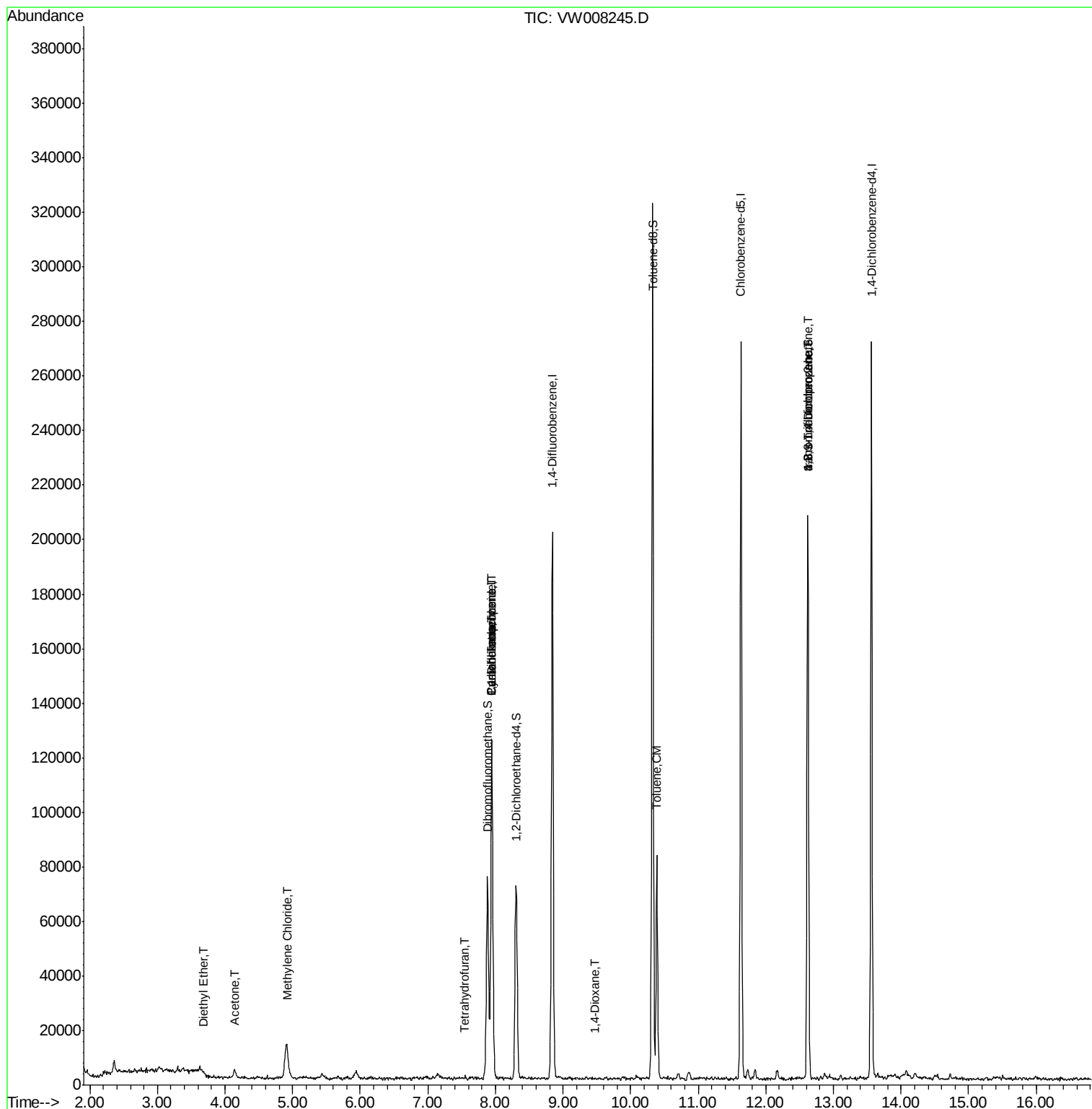
						Qvalue
8) Diethyl Ether	3.68	74	1117	2.008	ug/l	93
11) Tert butyl alcohol	5.23	59	140	Below Cal	#	100
13) Acrolein	3.89	56	87	Below Cal	#	14
16) Acetone	4.14	43	4424	4.208	ug/l #	79
20) Methylene Chloride	4.92	84	10255	6.387	ug/l	91
29) Tetrahydrofuran	7.54	42	419	2.290	ug/l #	88
31) Cyclohexane	7.95	56	2319	1.119	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	7160	4.350	ug/l #	51
38) Carbon Tetrachloride	7.94	117	9230	6.126	ug/l #	18
49) 1,4-Dioxane	9.48	88	21	2.402	ug/l #	1
52) Toluene	10.39	92	33875	11.880	ug/l	96
76) 1,2,3-Trichloropropane	12.62	75	33738	54.801	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	33738	127.615	ug/l #	10

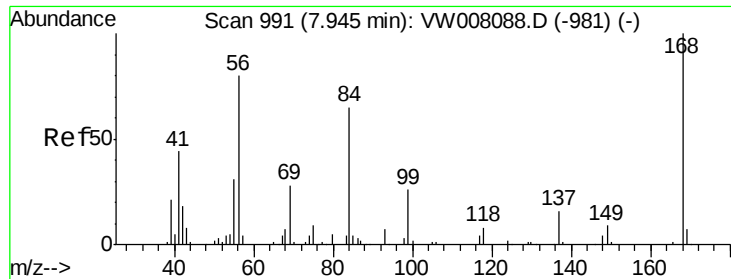
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW008245.D

Acq: 14 Jan 2019 14:24

Instrument :

MSVOA_W

ClientSampleId :

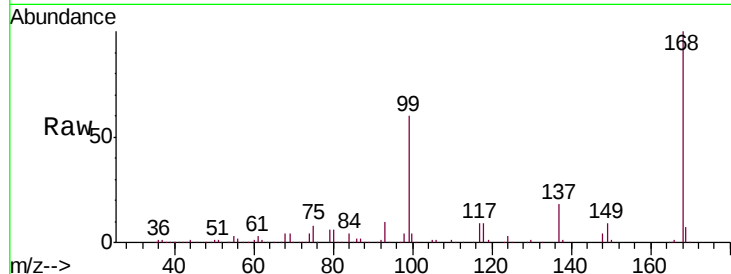
SB-8I(16-16.5)

Tgt Ion:168 Resp: 87586

Ion Ratio Lower Upper

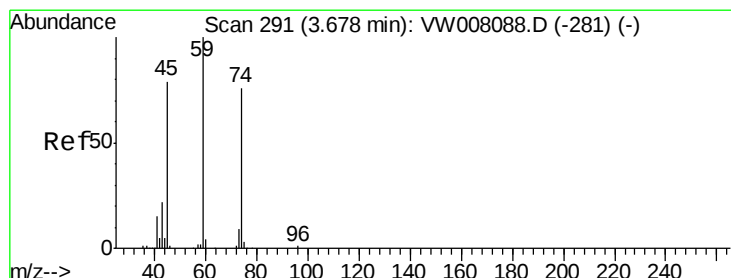
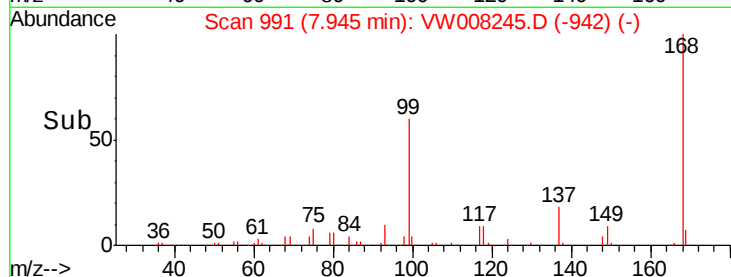
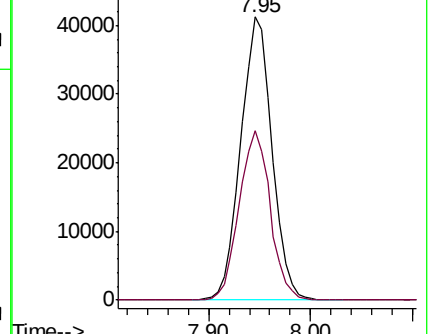
168 100

99 59.7 52.6 78.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#8

Diethyl Ether

Concen: 2.008 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.00 min

Lab File: VW008245.D

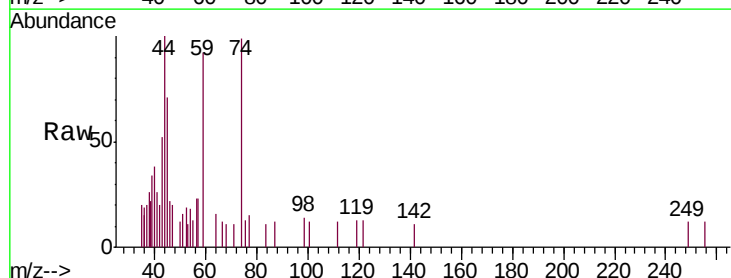
Acq: 14 Jan 2019 14:24

Tgt Ion: 74 Resp: 1117

Ion Ratio Lower Upper

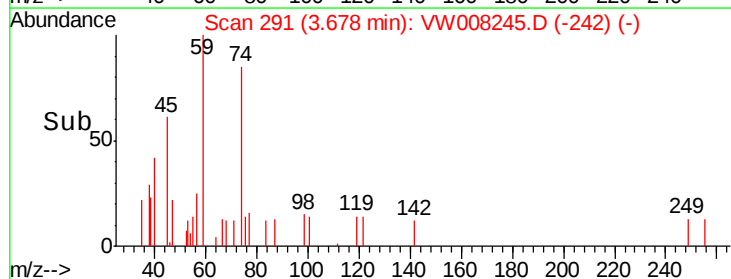
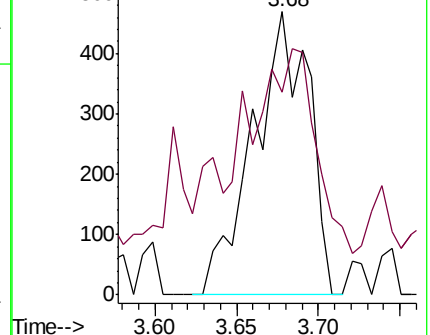
74 100

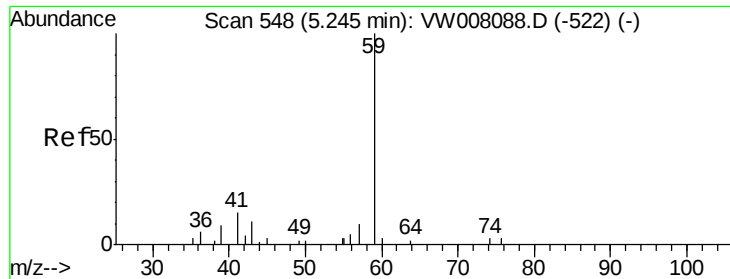
45 98.0 52.4 157.3



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

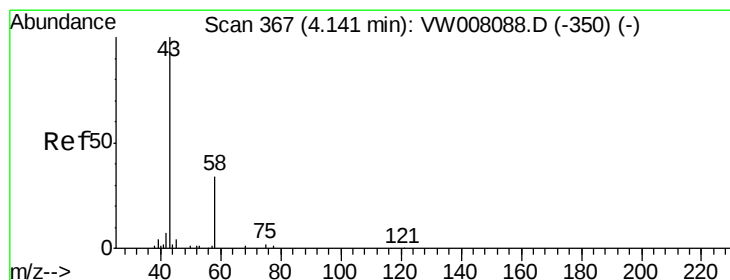
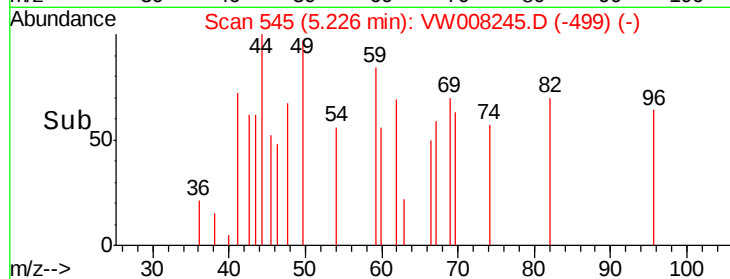
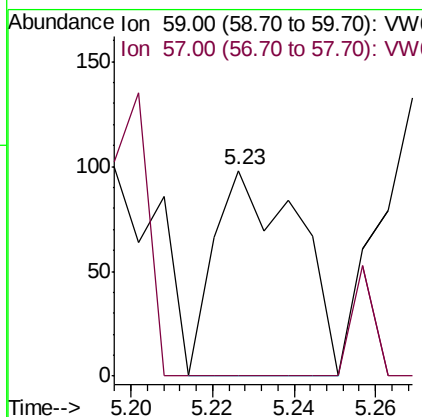
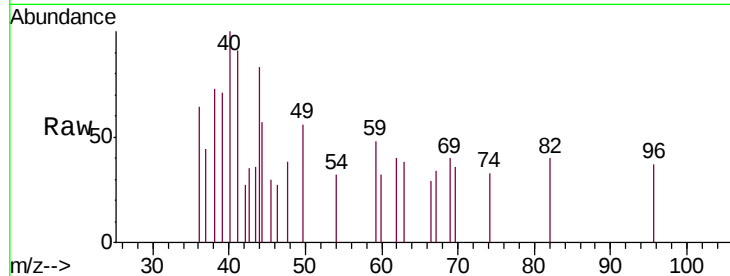




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.23 min Scan# 545
Delta R.T. -0.02 min
Lab File: VW008245.D
Acq: 14 Jan 2019 14:24

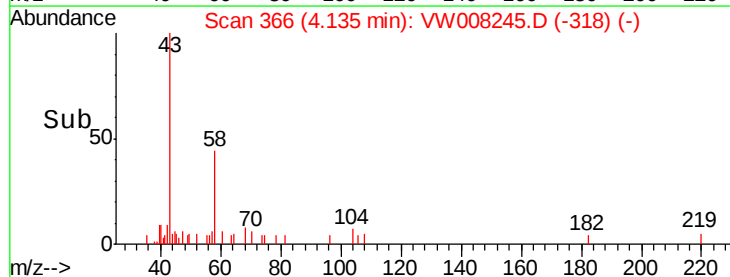
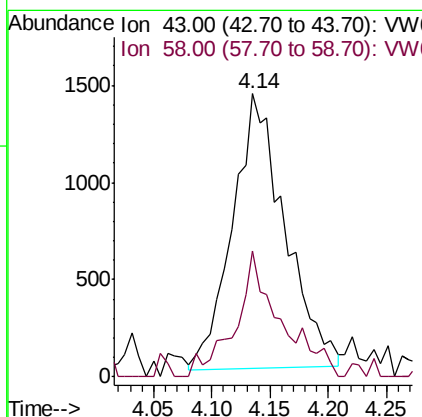
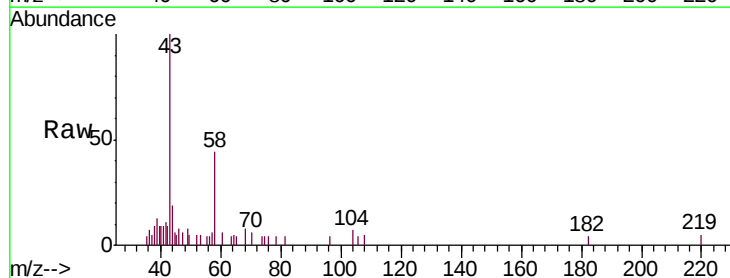
Instrument :
MSVOA_W
ClientSampled :
SB-8I(16-16.5)

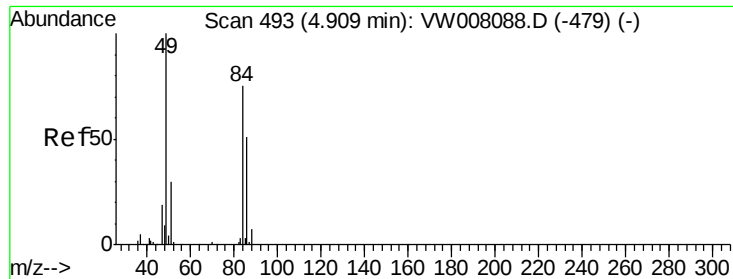
Tgt Ion: 59 Resp: 140
Ion Ratio Lower Upper
59 100
57 0.0 0.0 0.0



#16
Acetone
Concen: 4.208 ug/l
RT: 4.14 min Scan# 366
Delta R.T. -0.01 min
Lab File: VW008245.D
Acq: 14 Jan 2019 14:24

Tgt Ion: 43 Resp: 4424
Ion Ratio Lower Upper
43 100
58 46.4 27.5 41.3#

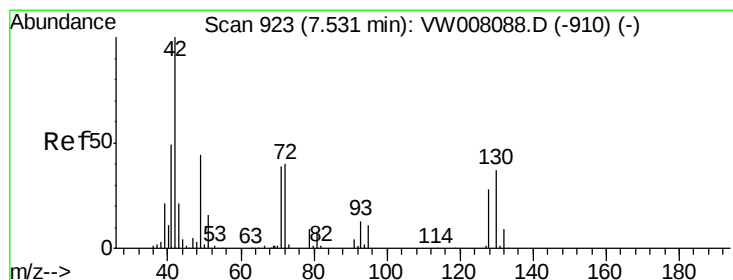
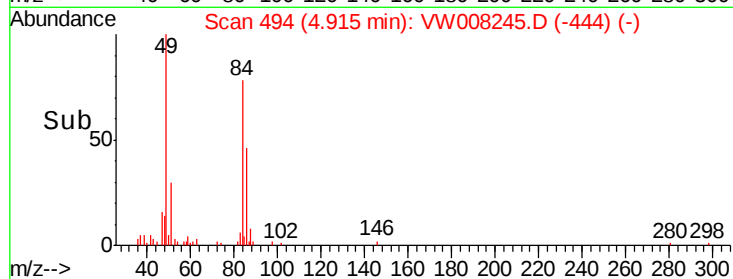
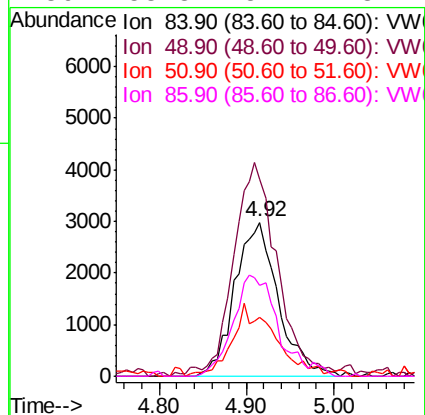
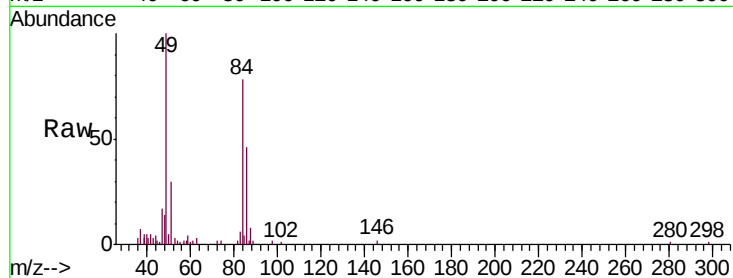




#20
Methylene Chloride
Concen: 6.387 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW008245.D
Acq: 14 Jan 2019 14:24

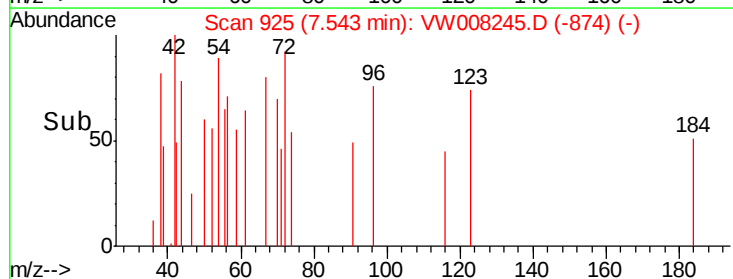
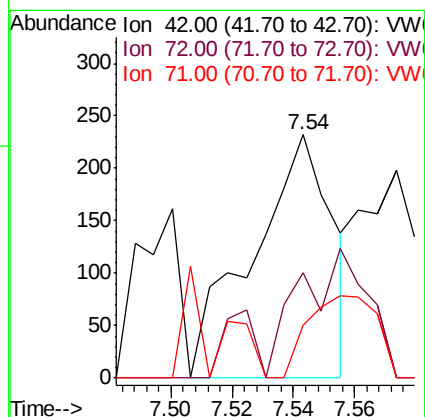
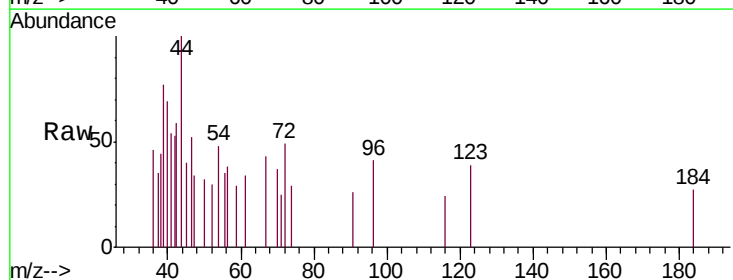
Instrument :
MSVOA_W
ClientSampleId :
SB-8I(16-16.5)

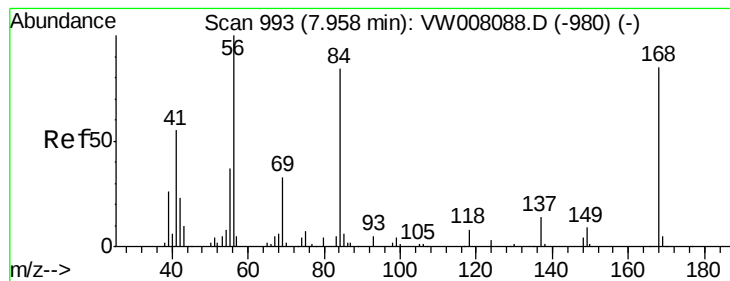
Tgt Ion:	84	Resp:	10255
Ion	Ratio	Lower	Upper
84	100		
49	123.6	107.1	160.7
51	36.5	32.4	48.6
86	58.8	54.2	81.4



#29
Tetrahydrofuran
Concen: 2.290 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.01 min
Lab File: VW008245.D
Acq: 14 Jan 2019 14:24

Tgt Ion:	42	Resp:	419
Ion	Ratio	Lower	Upper
42	100		
72	45.1	32.4	48.6
71	29.4	31.3	46.9#





#31

Cyclohexane

Concen: 1.119 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW008245.D

Acq: 14 Jan 2019 14:24

Instrument :

MSVOA_W

ClientSampleId :

SB-8I(16-16.5)

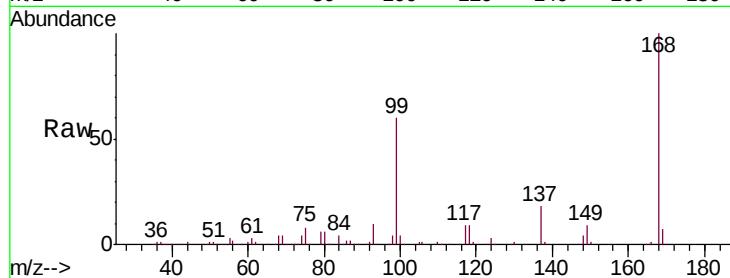
Tgt Ion: 56 Resp: 2319

Ion Ratio Lower Upper

56 100

69 152.9 26.2 39.4#

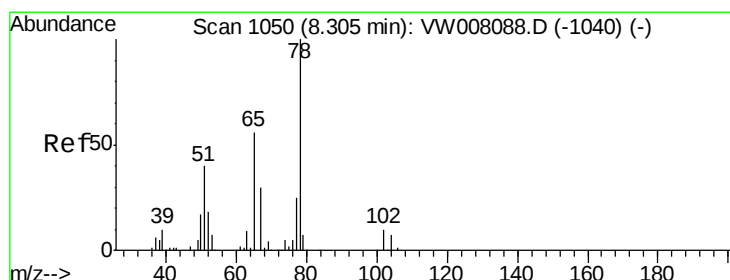
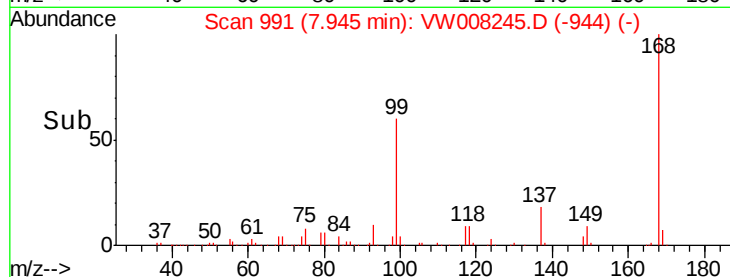
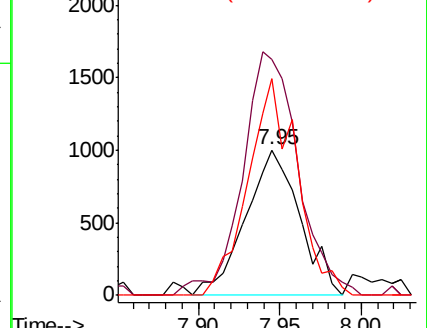
84 148.6 67.4 101.2#



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: 54.340 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW008245.D

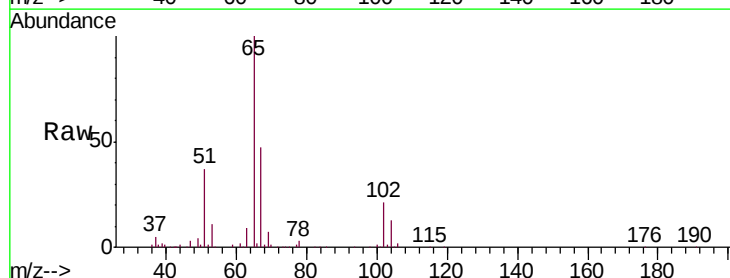
Acq: 14 Jan 2019 14:24

Tgt Ion: 65 Resp: 53492

Ion Ratio Lower Upper

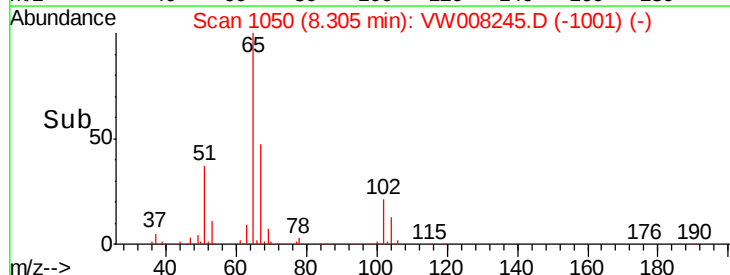
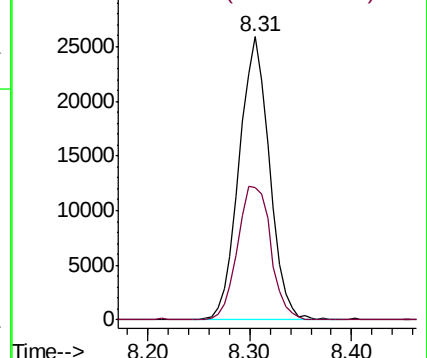
65 100

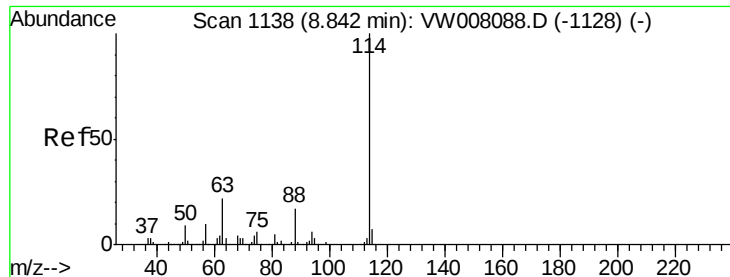
67 51.8 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

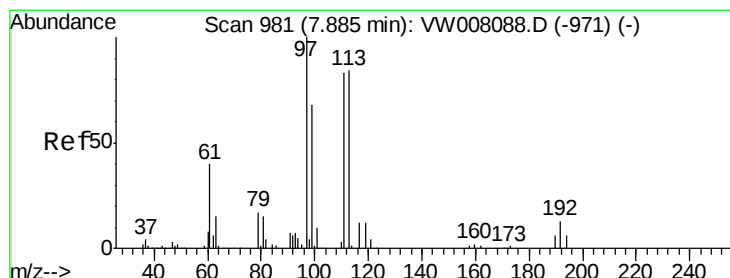
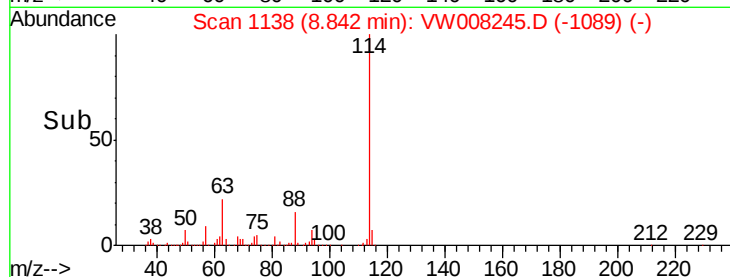
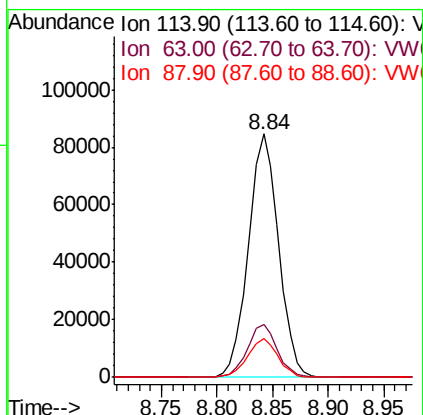
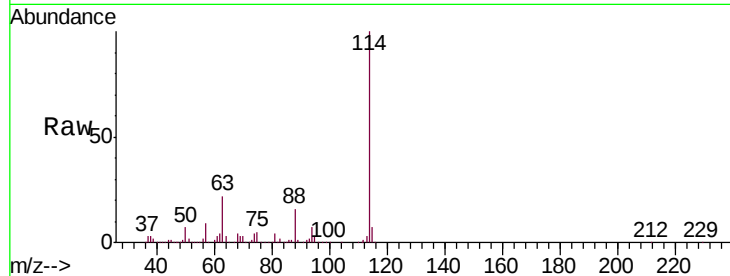




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW008245.D
 Acq: 14 Jan 2019 14:24

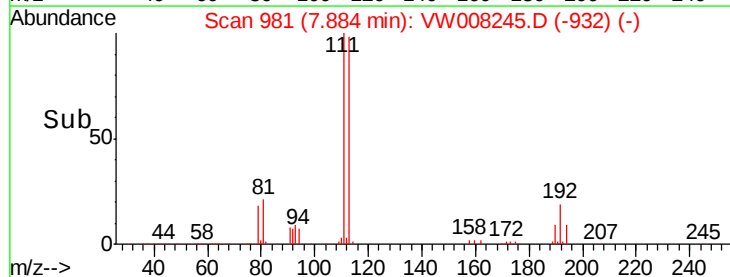
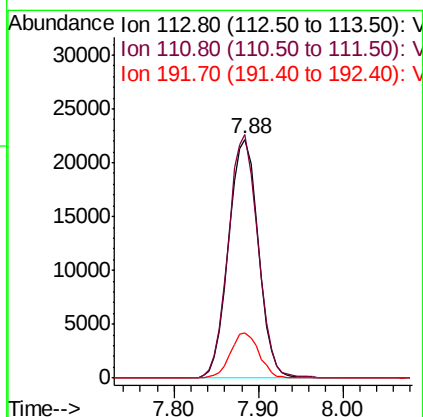
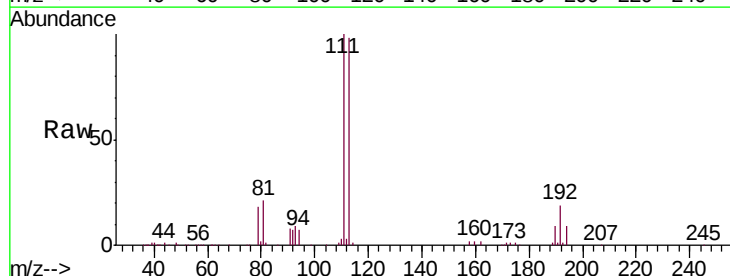
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-8I(16-16.5)

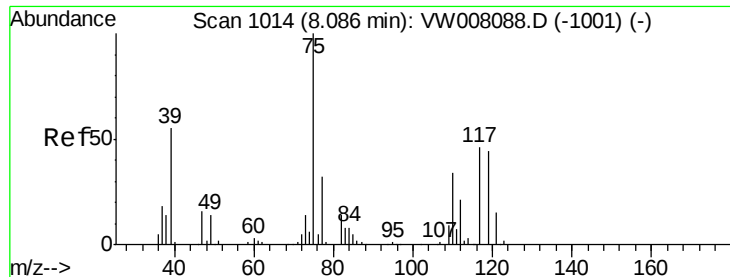
Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.5	0.0	43.4
88	16.0	0.0	33.4



#35
 Dibromofluoromethane
 Concen: 56.807 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW008245.D
 Acq: 14 Jan 2019 14:24

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.3	81.8	122.8
192	18.3	12.8	19.2

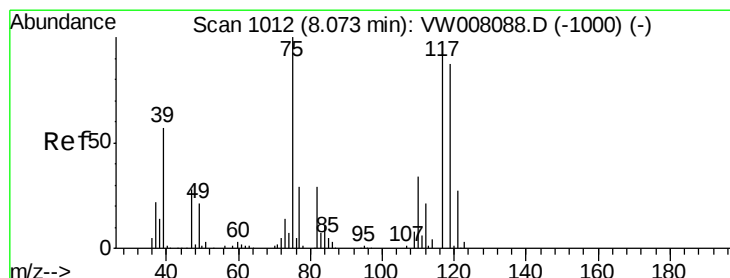
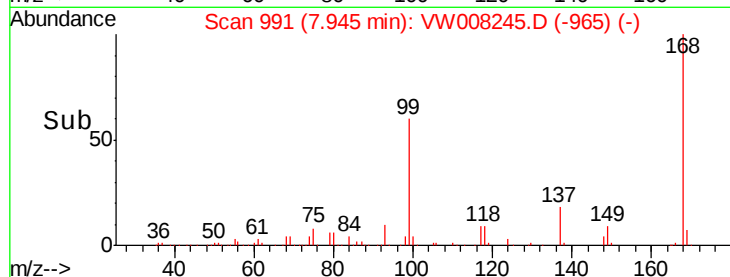
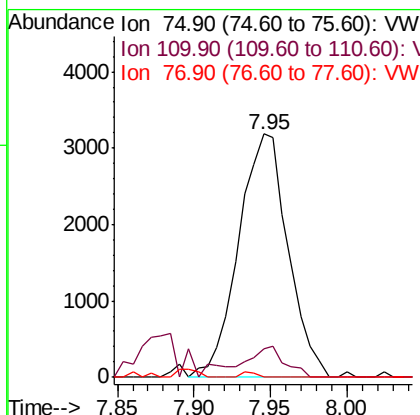
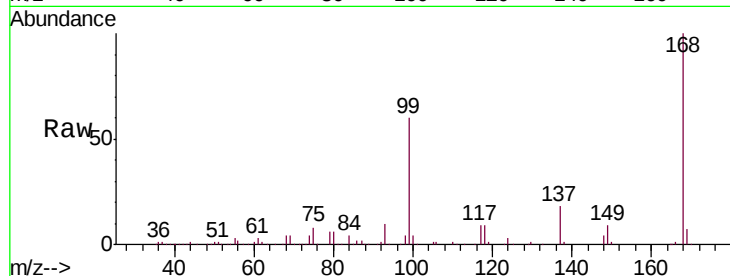




#36
 1,1-Dichloropropene
 Concen: 4.350 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.14 min
 Lab File: VW008245.D
 Acq: 14 Jan 2019 14:24

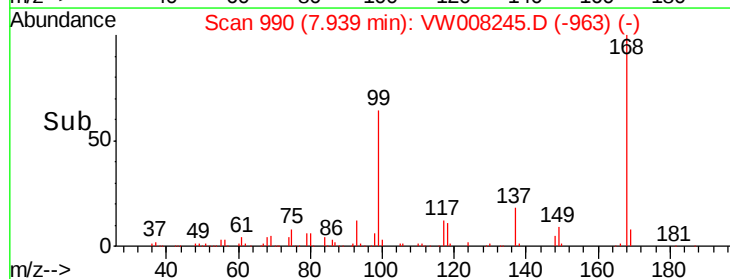
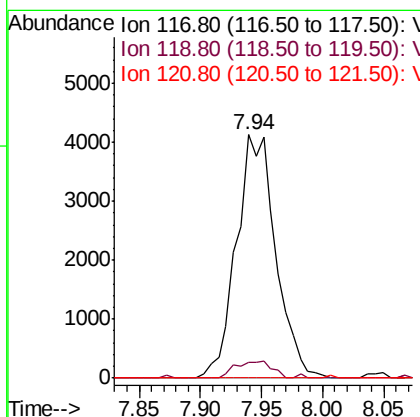
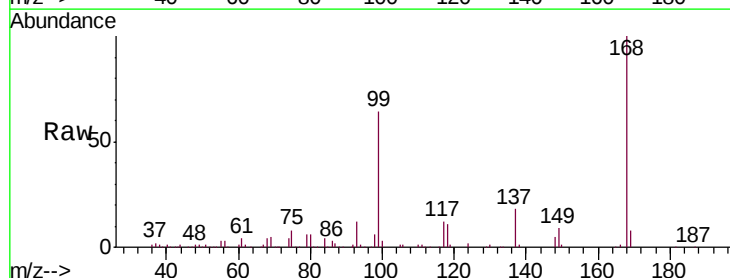
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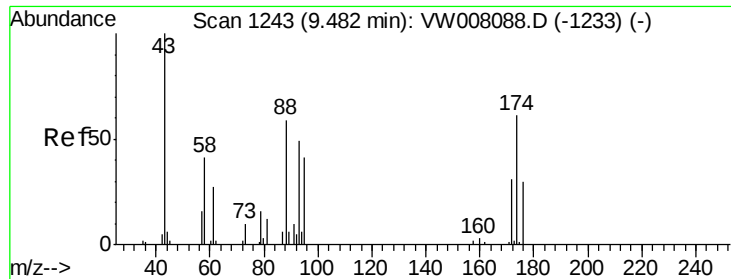
Tgt Ion: 75 Resp: 7160
 Ion Ratio Lower Upper
 75 100
 110 9.4 17.1 51.3#
 77 0.7 25.5 38.3#



#38
 Carbon Tetrachloride
 Concen: 6.126 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.13 min
 Lab File: VW008245.D
 Acq: 14 Jan 2019 14:24

Tgt Ion: 117 Resp: 9230
 Ion Ratio Lower Upper
 117 100
 119 6.5 75.8 113.8#
 121 0.0 23.7 35.5#

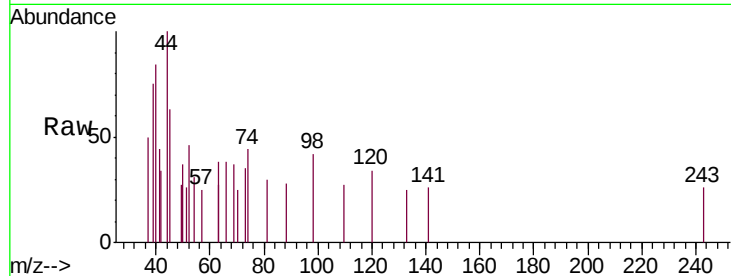




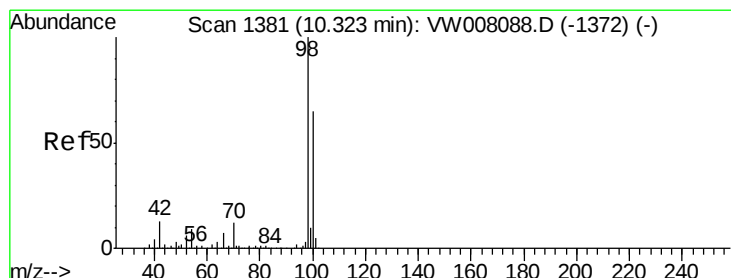
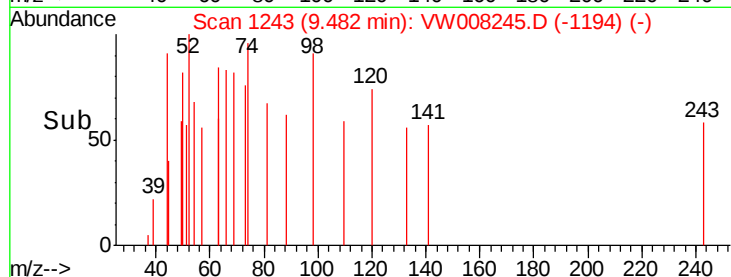
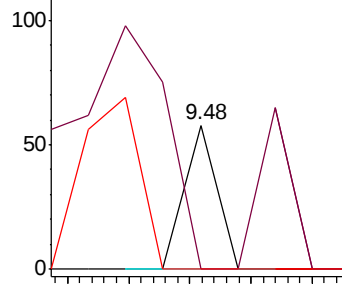
#49
1,4-Dioxane
Concen: 2.402 ug/l
RT: 9.48 min Scan# 1243
Delta R.T. -0.00 min
Lab File: VW008245.D
Acq: 14 Jan 2019 14:24

Instrument :
MSVOA_W
ClientSampleId :
SB-8I(16-16.5)

Tgt Ion: 88 Resp: 21
Ion Ratio Lower Upper
88 100
43 409.5 0.0 0.0#
58 219.0 61.7 92.5#

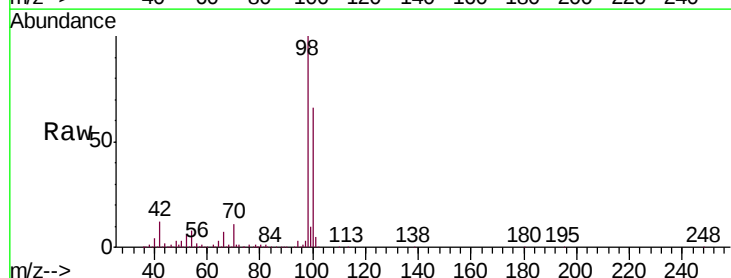


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

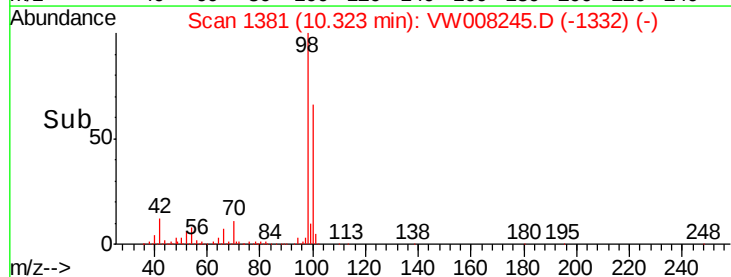
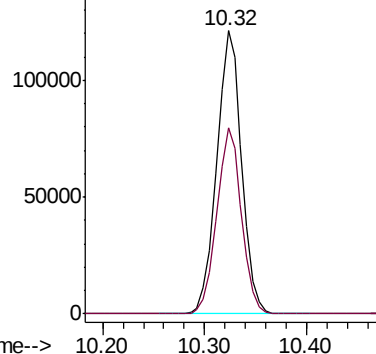


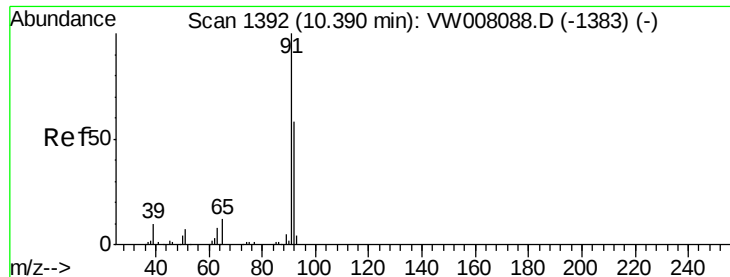
#50
Toluene-d8
Concen: 52.471 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW008245.D
Acq: 14 Jan 2019 14:24

Tgt Ion: 98 Resp: 205225
Ion Ratio Lower Upper
98 100
100 65.2 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: 11.880 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW008245.D

Acq: 14 Jan 2019 14:24

Instrument :

MSVOA_W

ClientSampleId :

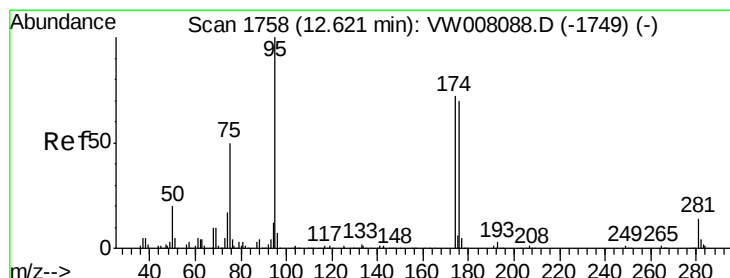
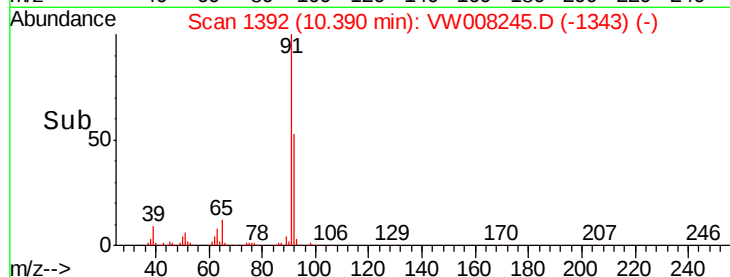
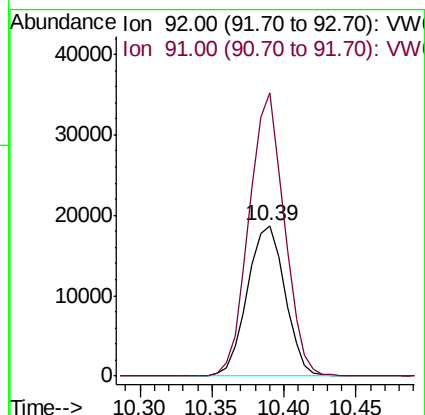
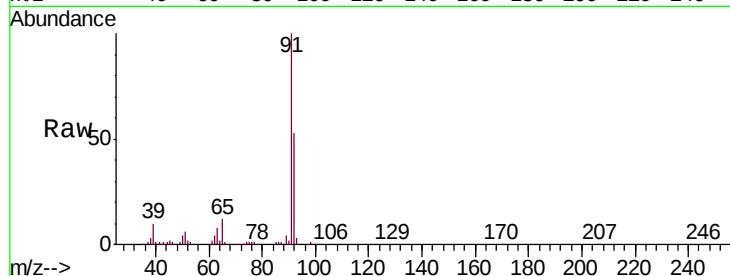
SB-8I(16-16.5)

Tgt Ion: 92 Resp: 33875

Ion Ratio Lower Upper

92 100

91 176.4 137.0 205.4



#62

4-Bromofluorobenzene

Concen: 47.425 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW008245.D

Acq: 14 Jan 2019 14:24

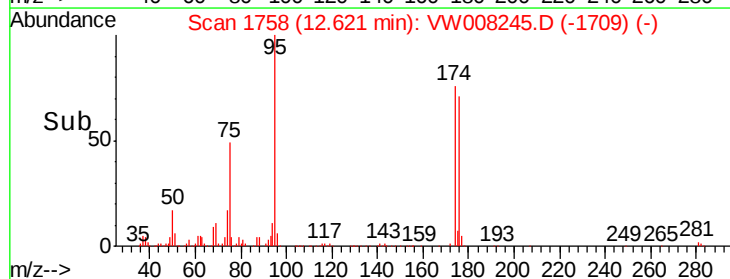
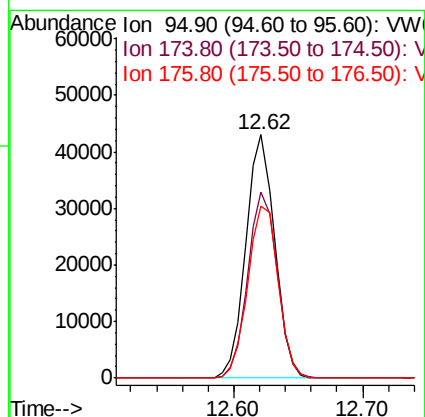
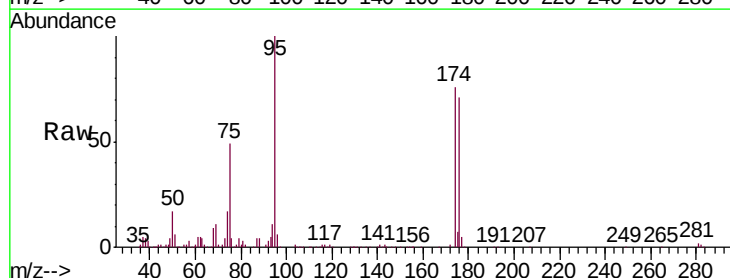
Tgt Ion: 95 Resp: 66497

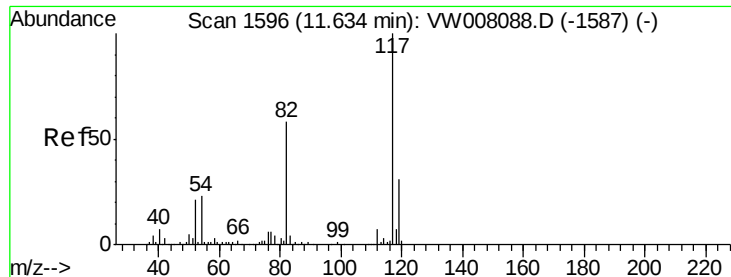
Ion Ratio Lower Upper

95 100

174 78.3 0.0 143.0

176 74.5 0.0 140.2

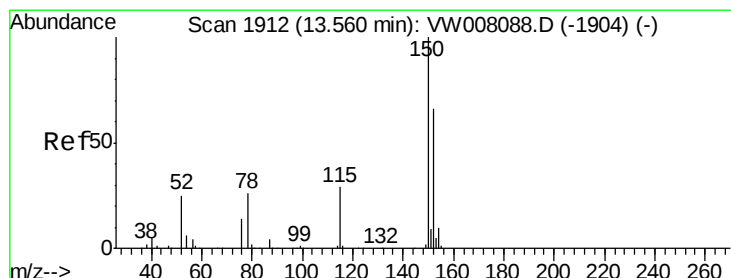
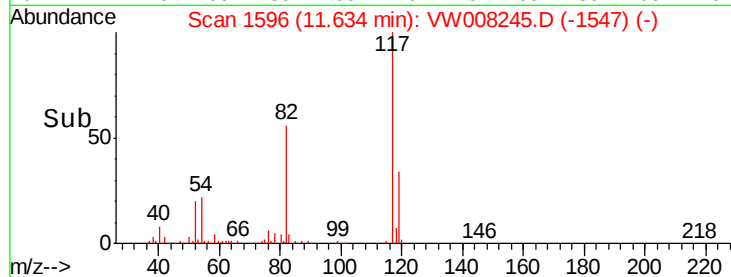
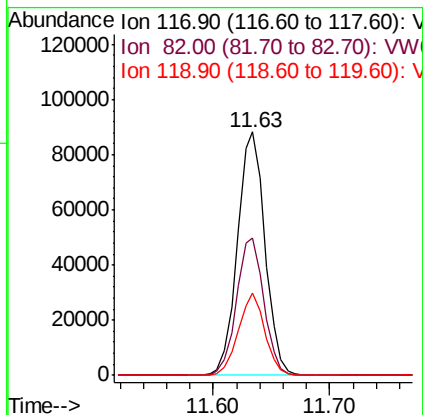
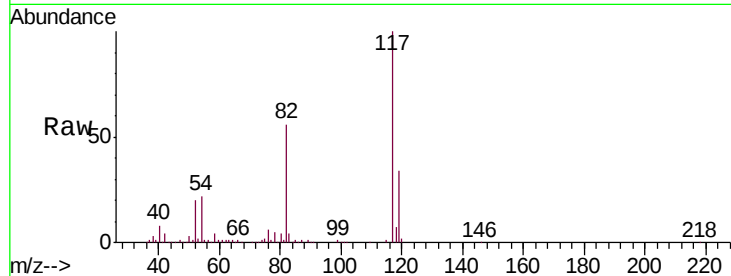




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW008245.D
Acq: 14 Jan 2019 14:24

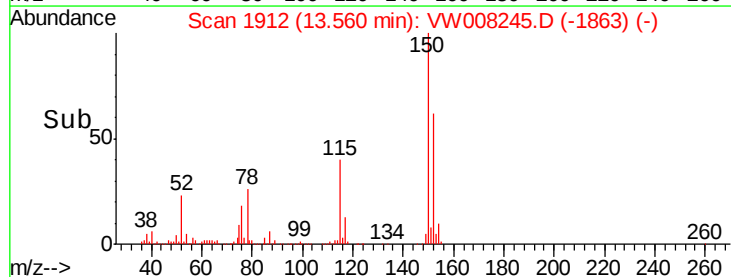
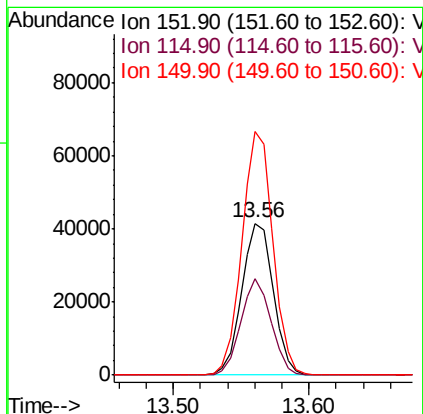
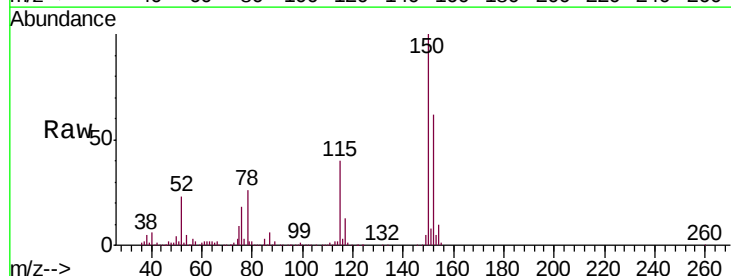
Instrument :
MSVOA_W
ClientSampleId :
SB-8I(16-16.5)

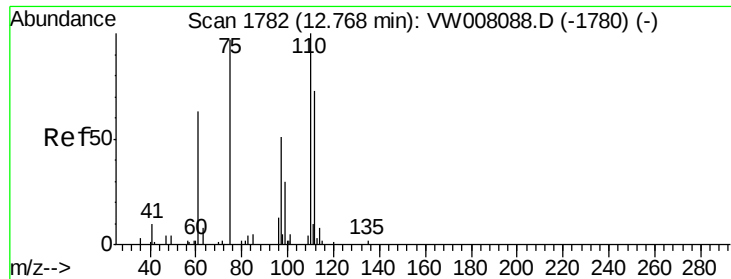
Tgt Ion:117 Resp: 145115
Ion Ratio Lower Upper
117 100
82 56.3 46.4 69.6
119 33.7 24.7 37.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW008245.D
Acq: 14 Jan 2019 14:24

Tgt Ion:152 Resp: 67534
Ion Ratio Lower Upper
152 100
115 60.5 30.8 92.4
150 156.3 0.0 350.2





#76

1,2,3-Trichloropropane

Concen: 54.801 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008245.D

Acq: 14 Jan 2019 14:24

Instrument :

MSVOA_W

ClientSampleId :

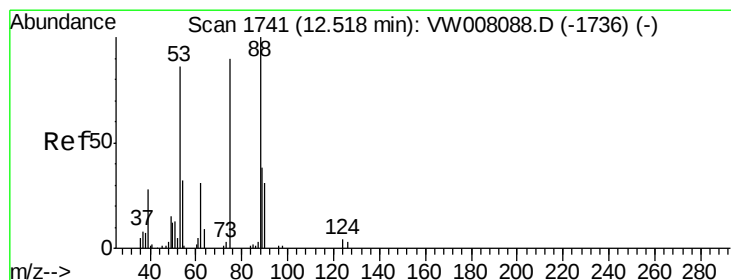
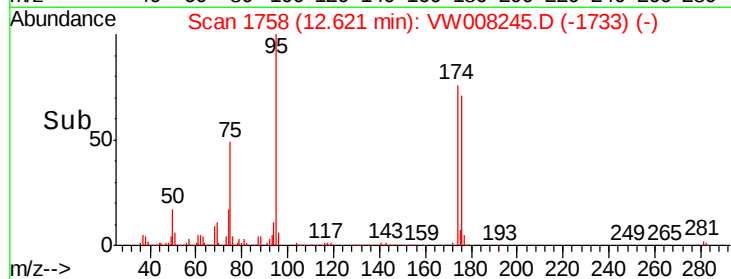
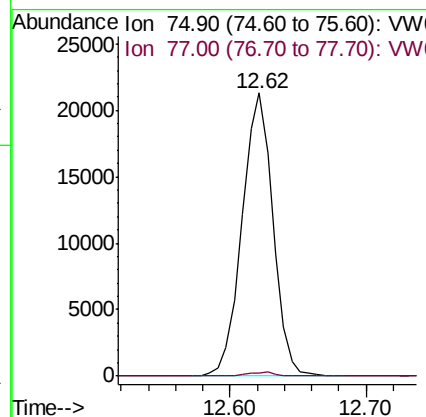
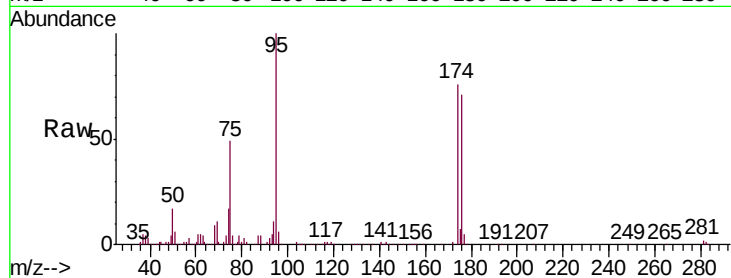
SB-8I(16-16.5)

Tgt Ion: 75 Resp: 33738

Ion Ratio Lower Upper

75 100

77 1.3 179.4 538.2#



#81

trans-1,4-Dichloro-2-butene

Concen: 127.615 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW008245.D

Acq: 14 Jan 2019 14:24

Tgt Ion: 75 Resp: 33738

Ion Ratio Lower Upper

75 100

53 0.3 78.8 118.2#

89 0.0 35.4 53.2#

