

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW020819\
 Data File : VW008576.D
 Acq On : 08 Feb 2019 16:07
 Operator : SY/VA
 Sample : K1423-01
 Misc : 4.81G/5ML/MSVOA W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 HB-VJ210

Quant Time: Feb 09 00:27:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 25 11:07:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	480444	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	786090	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	712028	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	322141	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	287531	60.92	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	121.84%	
35) Dibromofluoromethane	7.88	113	248799	54.13	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	108.26%	
50) Toluene-d8	10.32	98	965557	52.38	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	104.76%	
62) 4-Bromofluorobenzene	12.62	95	347842	49.10	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.20%	

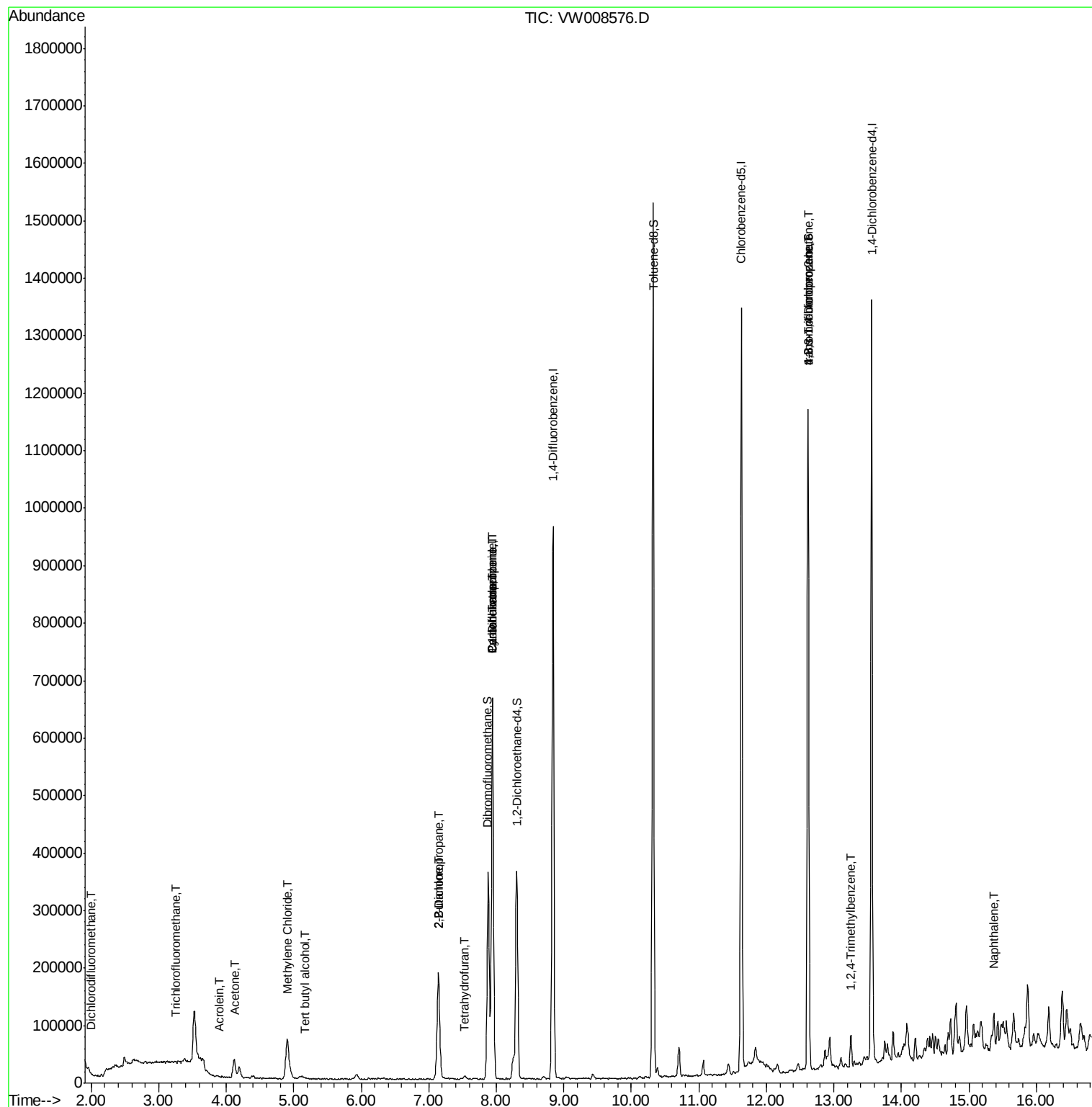
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	346	3.369	ug/l #	41
7) Trichlorofluoromethane	3.25	101	397	4.808	ug/l	86
11) Tert butyl alcohol	5.17	59	696	1.832	ug/l #	78
13) Acrolein	3.89	56	170	4.684	ug/l #	14
16) Acetone	4.12	43	58596	55.283	ug/l	95
20) Methylene Chloride	4.90	84	54945	11.247	ug/l	97
25) 2-Butanone	7.15	43	13028	8.849	ug/l #	79
26) 2,2-Dichloropropane	7.14	77	12566	2.075	ug/l #	54
29) Tetrahydrofuran	7.53	42	4844	5.192	ug/l	99
31) Cyclohexane	7.94	56	12687	1.370	ug/l #	32
36) 1,1-Dichloropropene	7.95	75	39137	5.271	ug/l #	51
38) Carbon Tetrachloride	7.95	117	48861	6.539	ug/l #	17
76) 1,2,3-Trichloropropane	12.62	75	189073	67.507	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	189073	133.332	ug/l #	12
84) 1,2,4-Trimethylbenzene	13.26	105	31601	1.549	ug/l	98
95) Naphthalene	15.37	128	43177	3.677	ug/l #	94

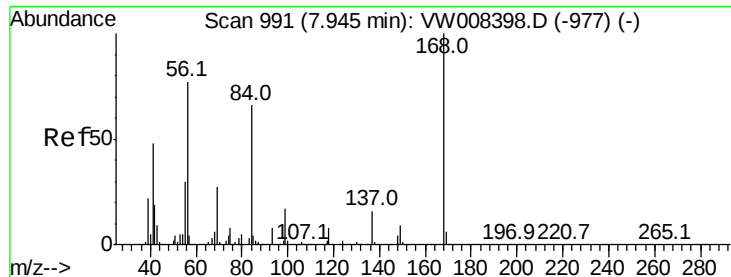
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW020819\
Data File : VW008576.D
Acq On : 08 Feb 2019 16:07
Operator : SY/VA
Sample : K1423-01
Misc : 4.81G/5ML/MSVOA W/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
HB-VJ210

Quant Time: Feb 09 00:27:27 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.M
Quant Title : SW846 8260
QLast Update : Fri Jan 25 11:07:41 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW008576.D

Acq: 08 Feb 2019 16:07

Instrument :

MSVOA_W

ClientSampleId :

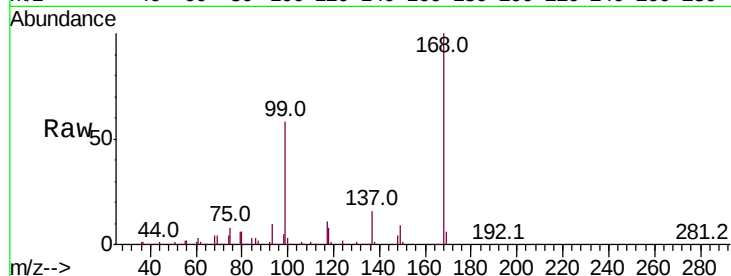
HB-VJ210

Tot Ion:168 Resp: 480444

Ion Ratio Lower Upper

168 100

99 57.6 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

250000

200000

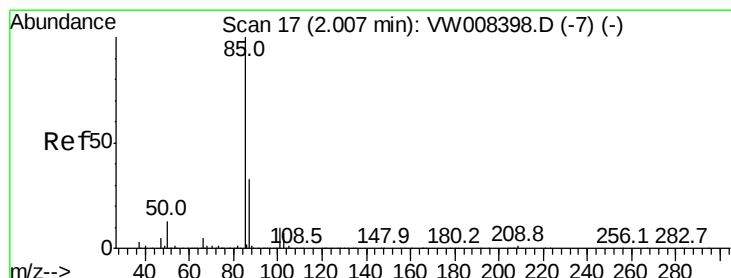
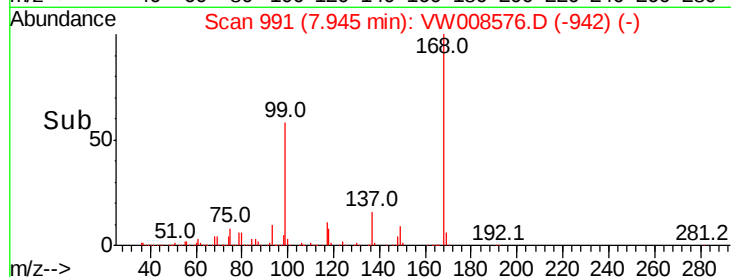
150000

100000

50000

0

Time--> 7.80 7.90 8.00



#2

Dichlorodifluoromethane

Concen: 3.369 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW008576.D

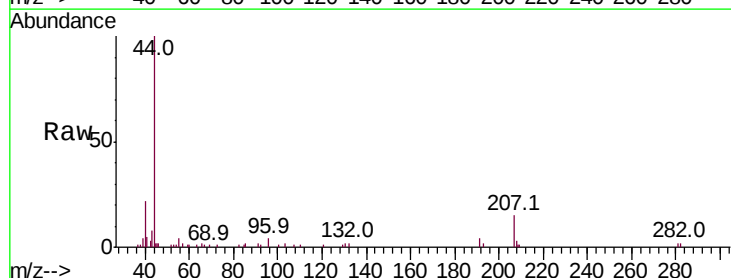
Acq: 08 Feb 2019 16:07

Tgt Ion: 85 Resp: 346

Ion Ratio Lower Upper

85 100

87 0.0 16.7 50.1#



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

250

200

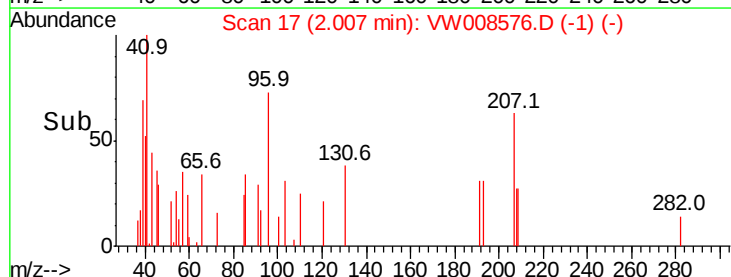
150

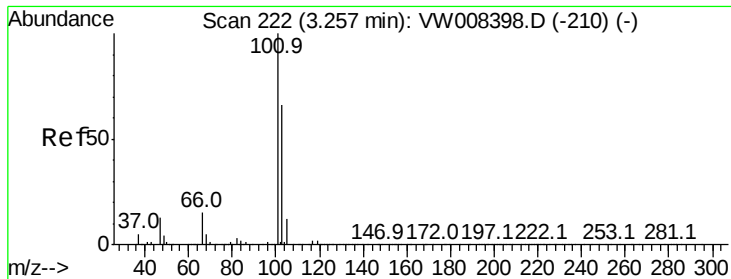
100

50

0

Time--> 2.00 2.05



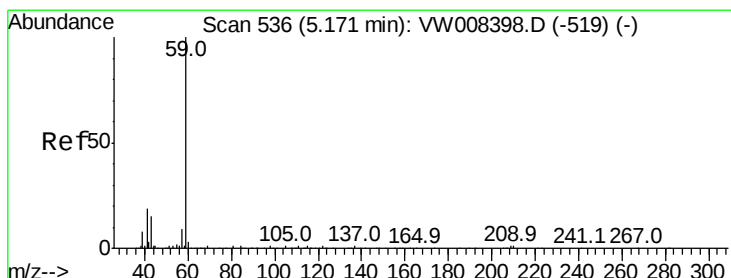
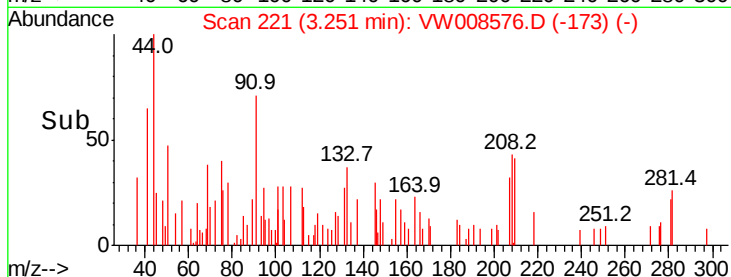
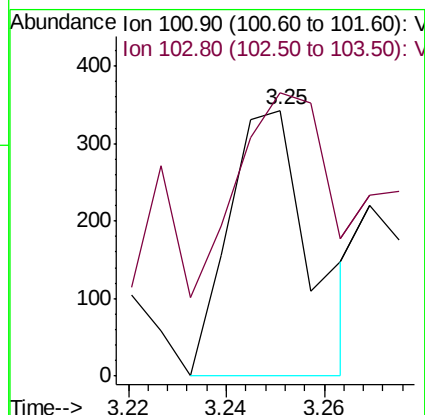
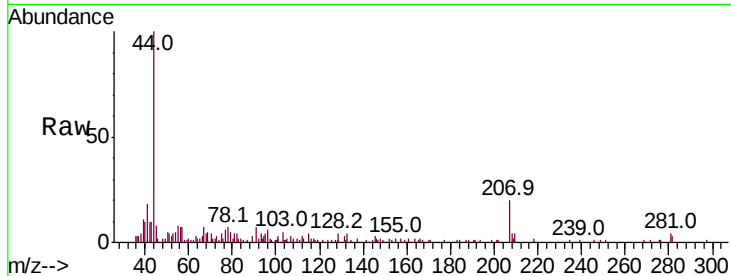


#7

Trichlorofluoromethane
Concen: 4.808 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.01 min
Lab File: VW008576.D
Acq: 08 Feb 2019 16:07

Instrument :
MSVOA_W
ClientSampleId :
HB-VJ210

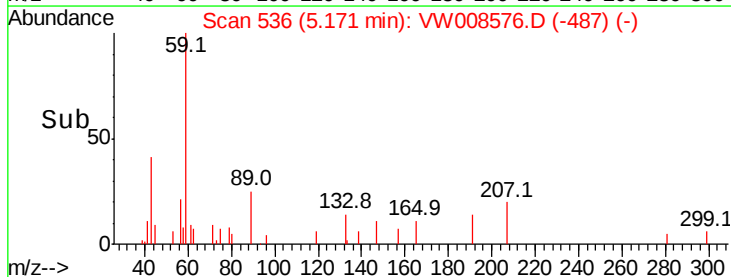
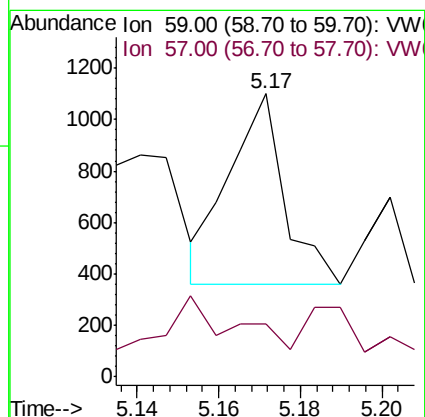
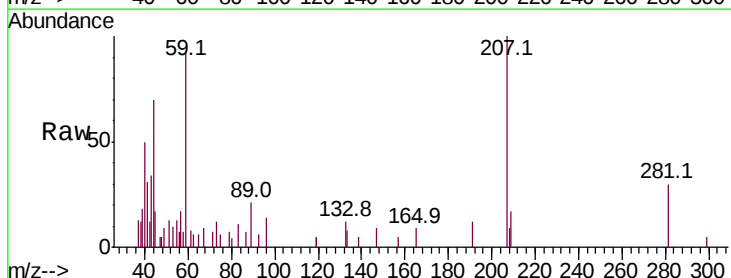
Tot Ion:101 Resp: 397
Ion Ratio Lower Upper
101 100
103 76.7 52.5 78.7

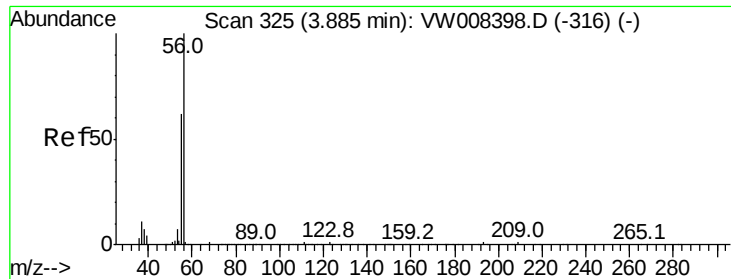


#11

Tert butyl alcohol
Concen: 1.832 ug/l
RT: 5.17 min Scan# 536
Delta R.T. 0.00 min
Lab File: VW008576.D
Acq: 08 Feb 2019 16:07

Tgt Ion: 59 Resp: 696
Ion Ratio Lower Upper
59 100
57 20.3 9.3 13.9#





#13

Acrolein

Concen: 4.684 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.01 min

Lab File: VW008576.D

Acq: 08 Feb 2019 16:07

Instrument :

MSVOA_W

ClientSampled :

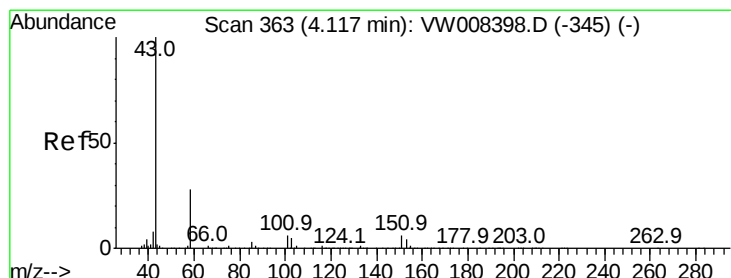
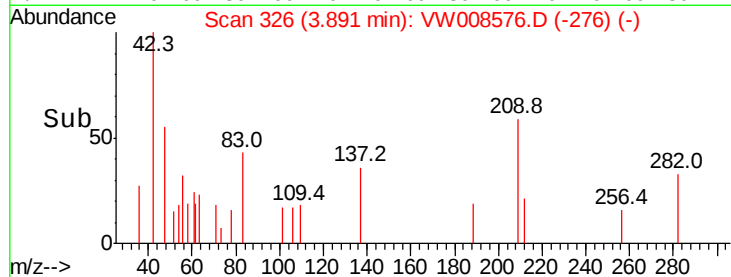
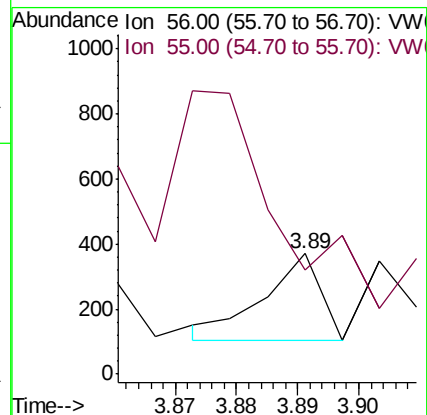
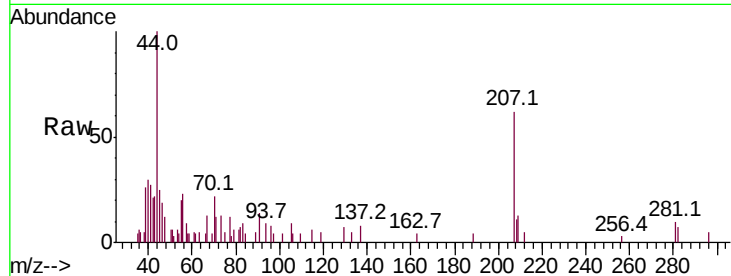
HB-VJ210

Tot Ion: 56 Resp: 170

Ion Ratio Lower Upper

56 100

55 0.0 56.7 85.1#



#16

Acetone

Concen: 55.283 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW008576.D

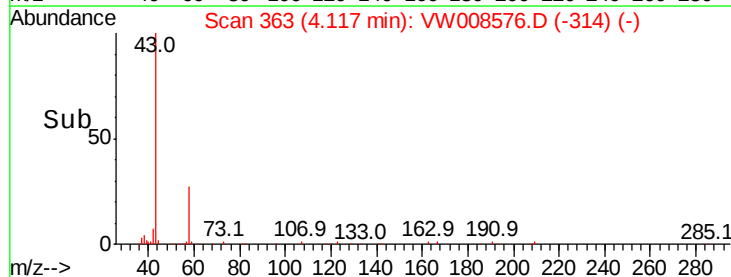
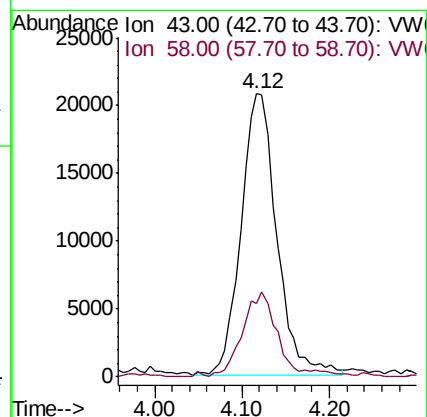
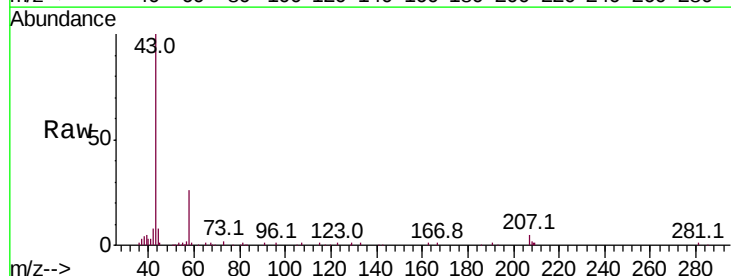
Acq: 08 Feb 2019 16:07

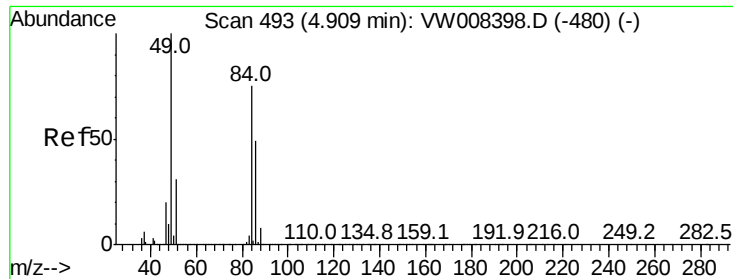
Tgt Ion: 43 Resp: 58596

Ion Ratio Lower Upper

43 100

58 25.6 22.6 34.0

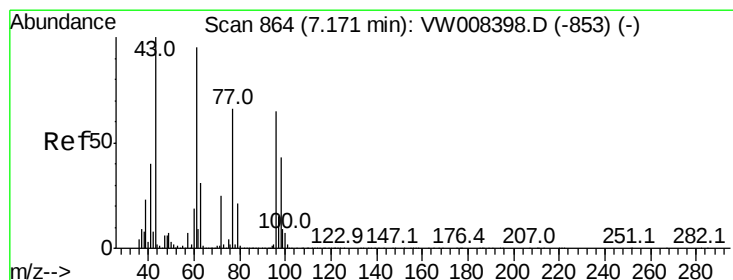
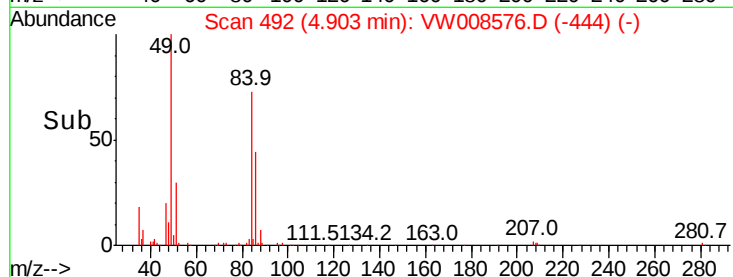
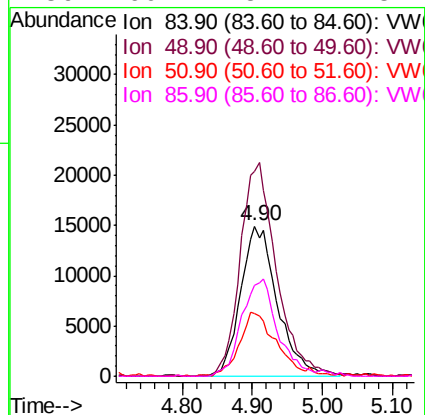
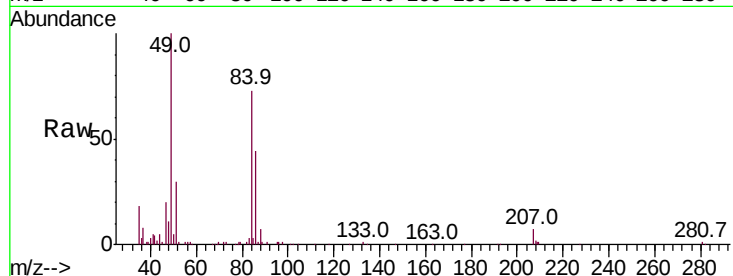




#20
Methylene Chloride
Concen: 11.247 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.01 min
Lab File: VW008576.D
Acq: 08 Feb 2019 16:07

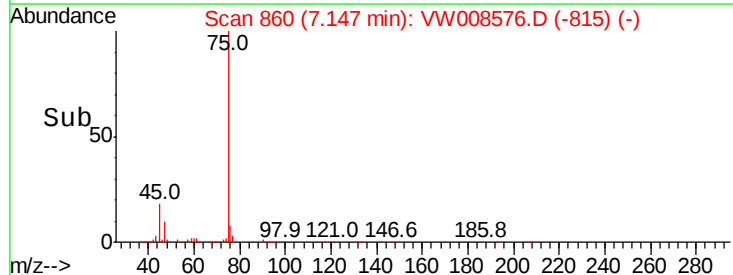
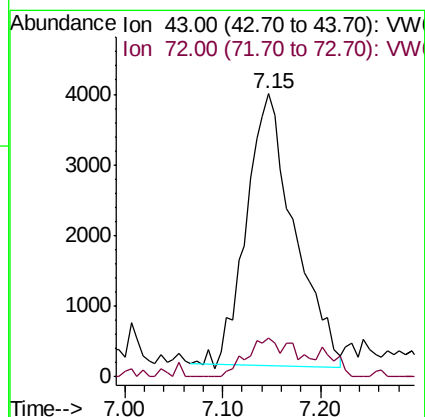
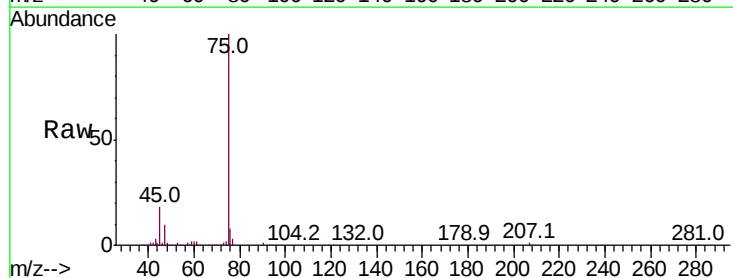
Instrument :
MSVOA_W
ClientSampleId :
HB-VJ210

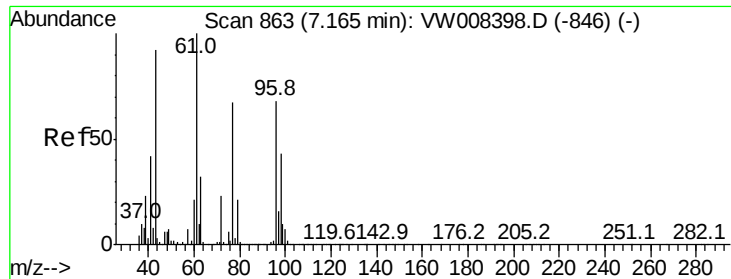
Tot Ion:	84	Resp:	54945
Ion	Ratio	Lower	Upper
84	100		
49	136.9	106.8	160.2
51	41.6	32.9	49.3
86	60.1	52.2	78.2



#25
2-Butanone
Concen: 8.849 ug/l
RT: 7.15 min Scan# 860
Delta R.T. -0.02 min
Lab File: VW008576.D
Acq: 08 Feb 2019 16:07

Tgt Ion:	43	Resp:	13028
Ion	Ratio	Lower	Upper
43	100		
72	14.5	20.1	30.1#

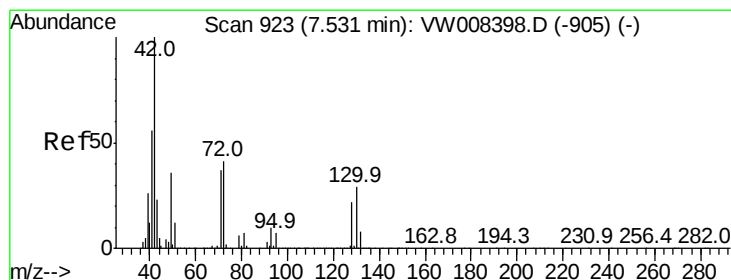
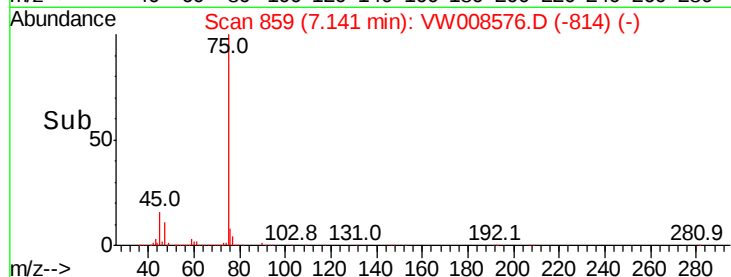
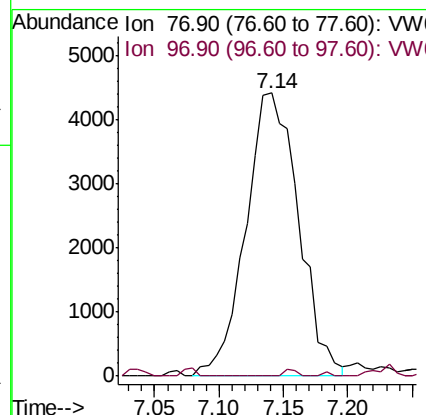
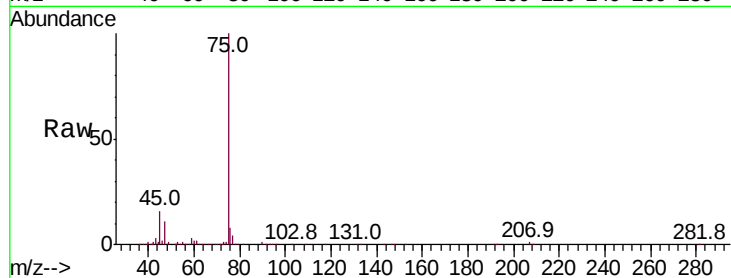




#26
 2,2-Dichloropropane
 Concen: 2.075 ug/l
 RT: 7.14 min Scan# 859
 Delta R.T. -0.02 min
 Lab File: VW008576.D
 Acq: 08 Feb 2019 16:07

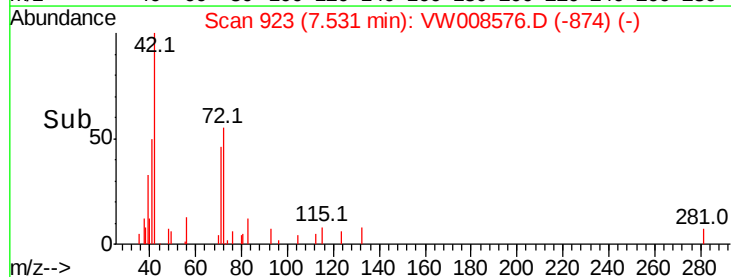
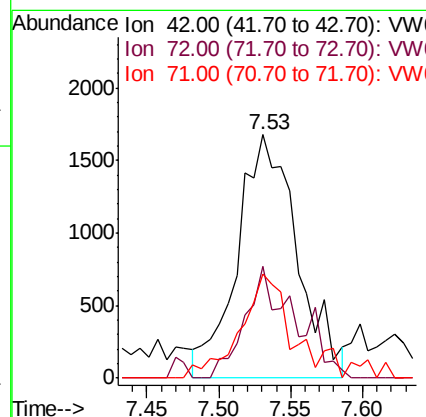
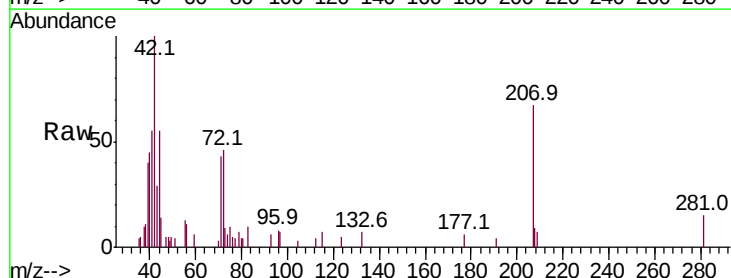
Instrument :
 MSVOA_W
 ClientSampleId :
 HB-VJ210

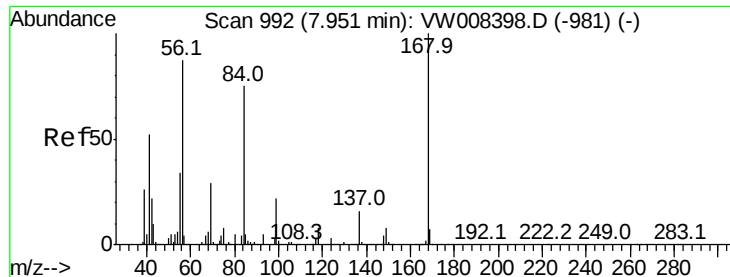
Tot Ion: 77 Resp: 12566
 Ion Ratio Lower Upper
 77 100
 97 0.6 11.5 34.5#



#29
 Tetrahydrofuran
 Concen: 5.192 ug/l
 RT: 7.53 min Scan# 923
 Delta R.T. 0.00 min
 Lab File: VW008576.D
 Acq: 08 Feb 2019 16:07

Tgt Ion: 42 Resp: 4844
 Ion Ratio Lower Upper
 42 100
 72 38.5 31.9 47.9
 71 37.1 29.9 44.9





#31

Cyclohexane

Concen: 1.370 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW008576.D

Acq: 08 Feb 2019 16:07

Instrument :

MSVOA_W

ClientSampleId :

HB-VJ210

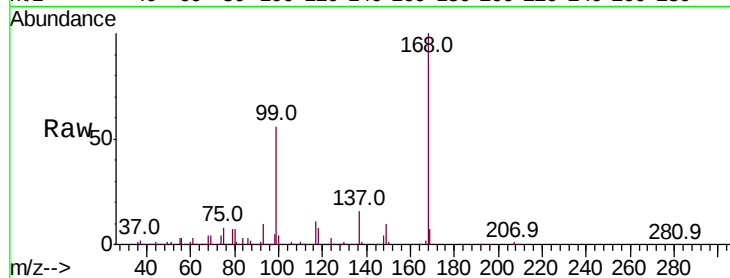
Tot Ion: 56 Resp: 12687

Ion Ratio Lower Upper

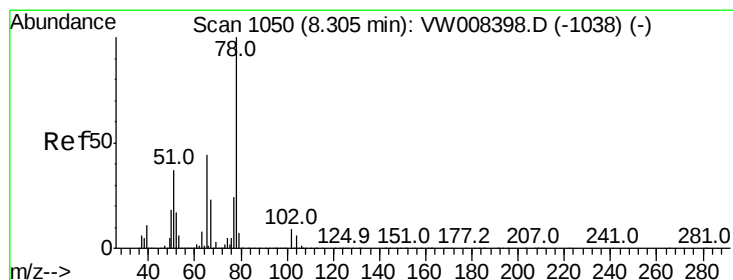
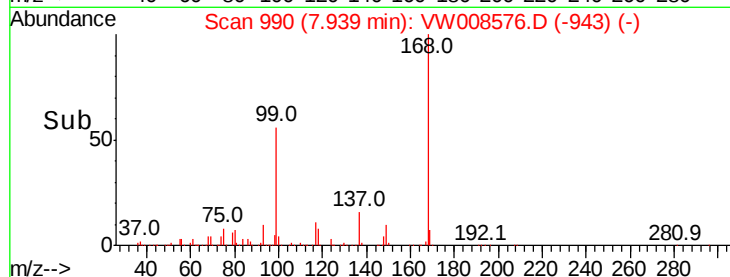
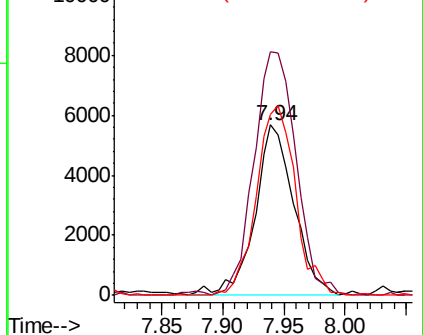
56 100

69 141.1 26.4 39.6#

84 105.8 69.1 103.7#



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: 60.919 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW008576.D

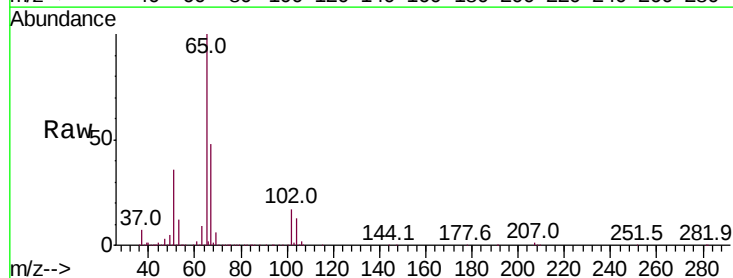
Acq: 08 Feb 2019 16:07

Tgt Ion: 65 Resp: 287531

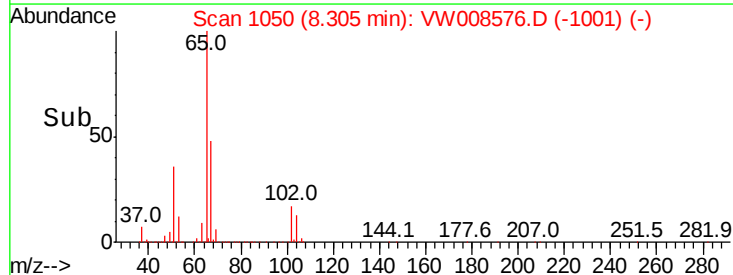
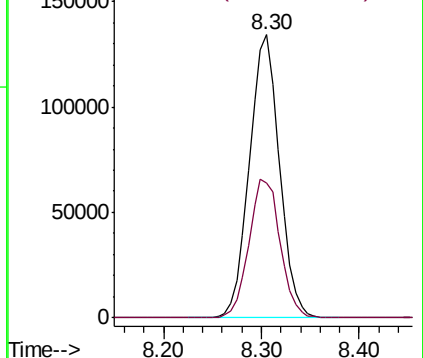
Ion Ratio Lower Upper

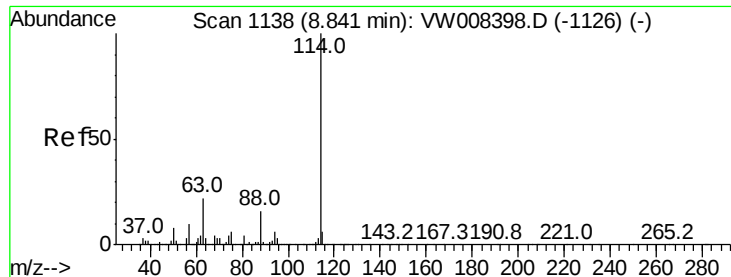
65 100

67 51.1 0.0 104.0



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: VW008576.D

Acq: 08 Feb 2019 16:07

Instrument :

MSVOA_W

ClientSampled :

HB-VJ210

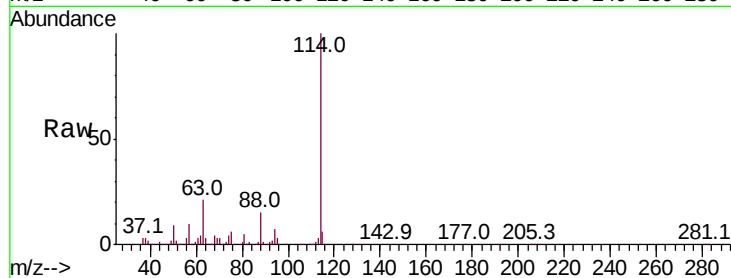
Tot Ion:114 Resp: 786090

Ion Ratio Lower Upper

114 100

63 21.5 0.0 43.6

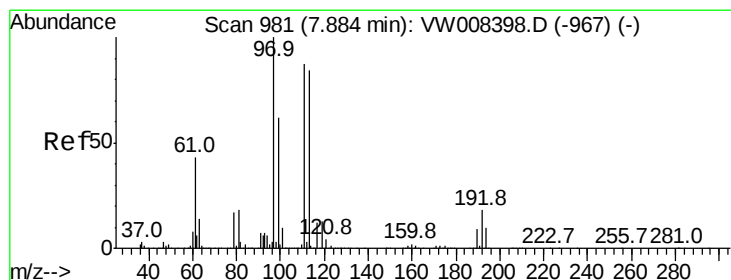
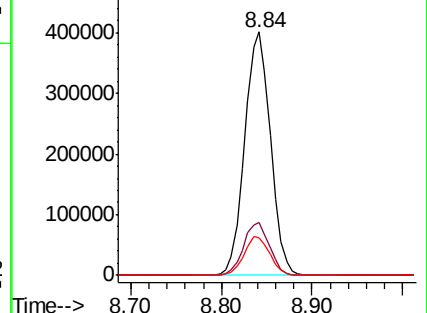
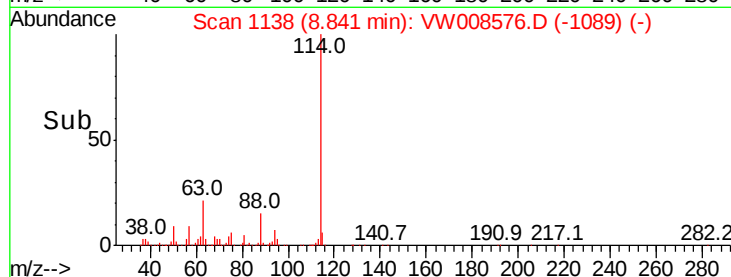
88 15.3 0.0 31.8



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: 54.127 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW008576.D

Acq: 08 Feb 2019 16:07

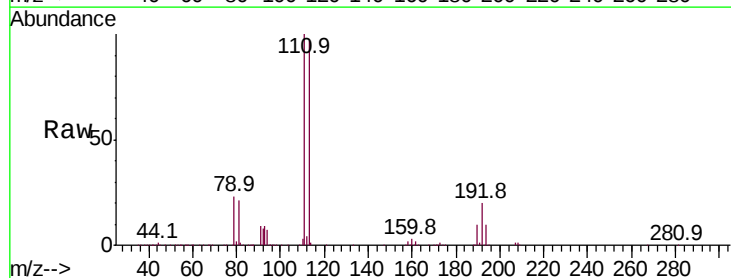
Tgt Ion:113 Resp: 248799

Ion Ratio Lower Upper

113 100

111 102.4 81.0 121.4

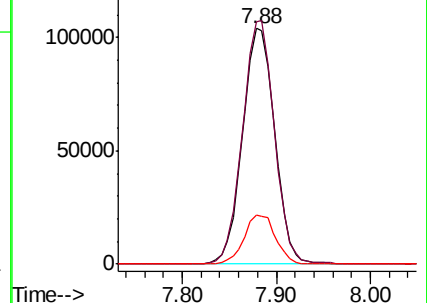
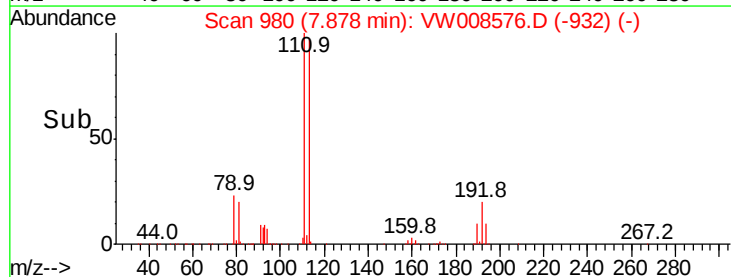
192 20.4 16.8 25.2

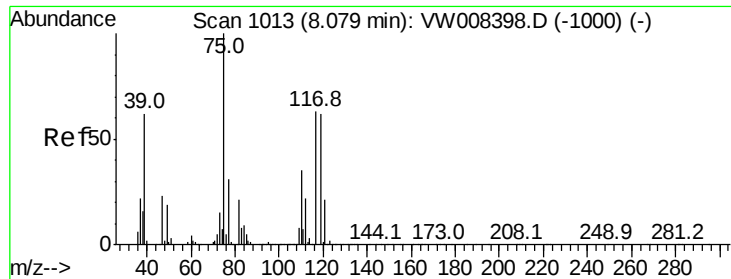


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

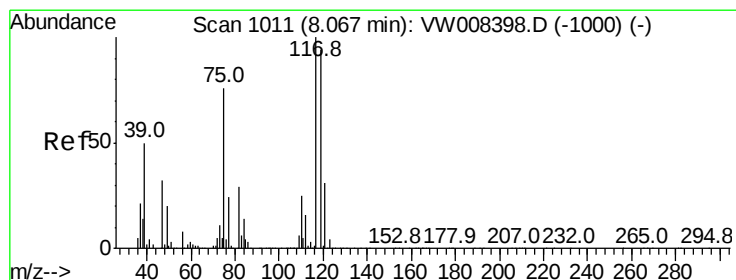
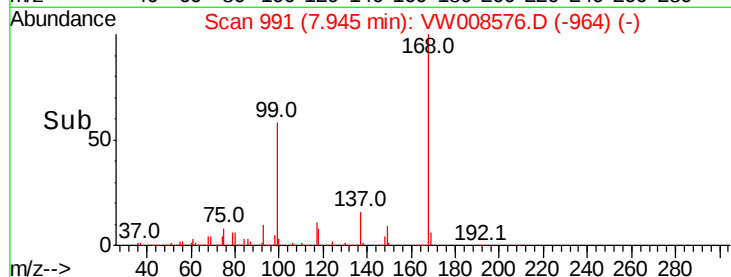
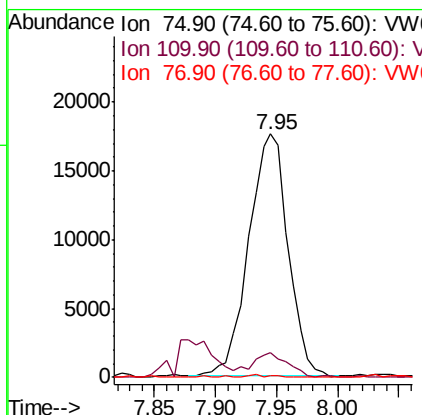
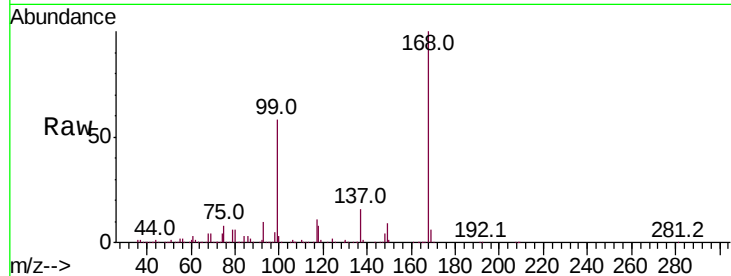




#36
 1,1-Dichloropropene
 Concen: 5.271 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW008576.D
 Acq: 08 Feb 2019 16:07

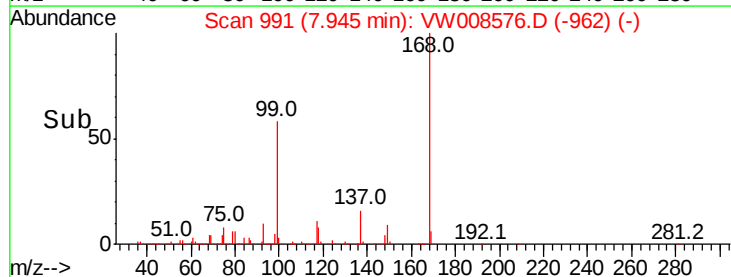
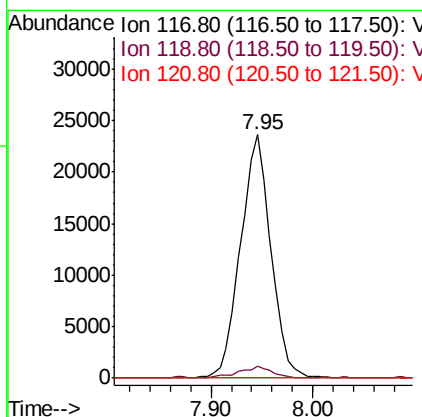
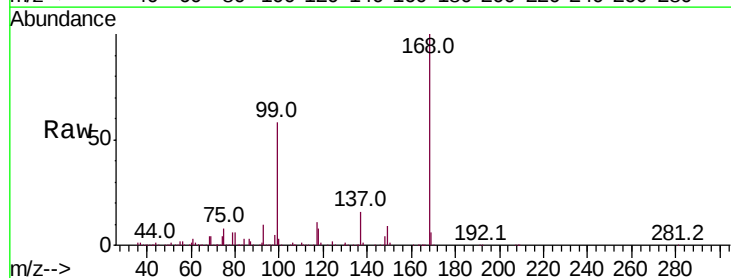
Instrument :
 MSVOA_W
 ClientSampleId :
 HB-VJ210

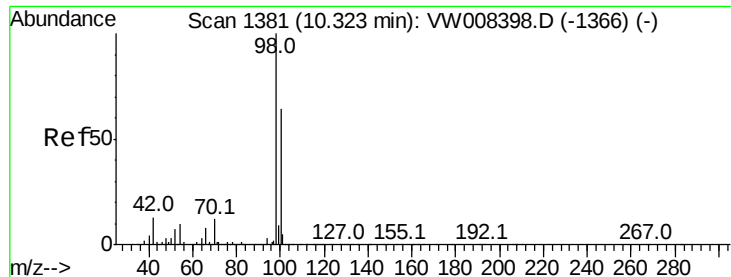
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.3	17.3	52.0#
77	0.3	24.7	37.1#



#38
 Carbon Tetrachloride
 Concen: 6.539 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW008576.D
 Acq: 08 Feb 2019 16:07

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.8	75.0	112.4#
121	0.0	24.9	37.3#





#50

Toluene-d8

Concen: 52.384 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW008576.D

Acq: 08 Feb 2019 16:07

Instrument :

MSVOA_W

ClientSampleId :

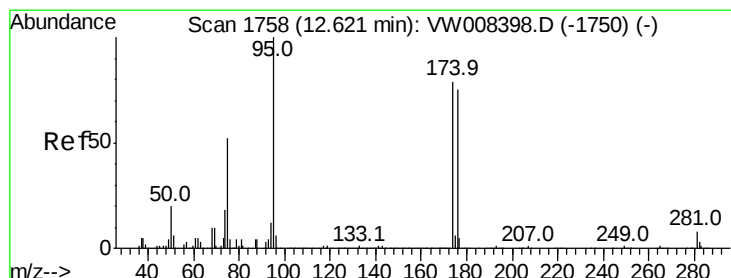
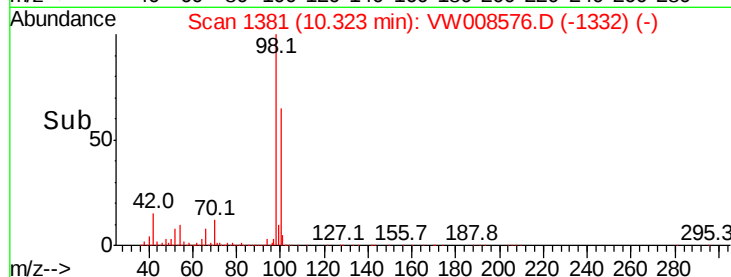
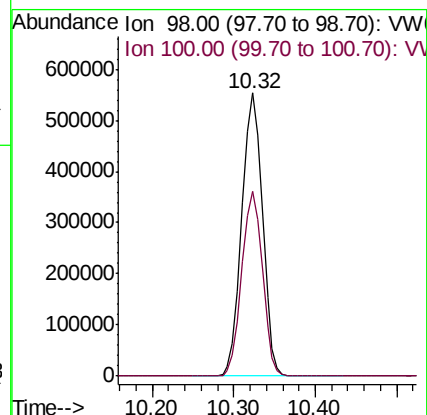
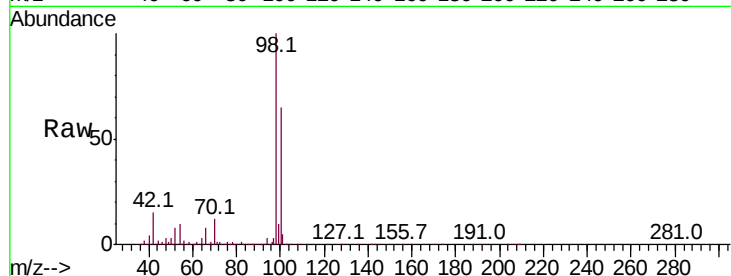
HB-VJ210

Tot Ion: 98 Resp: 965557

Ion Ratio Lower Upper

98 100

100 65.3 52.6 78.8



#62

4-Bromofluorobenzene

Concen: 49.095 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008576.D

Acq: 08 Feb 2019 16:07

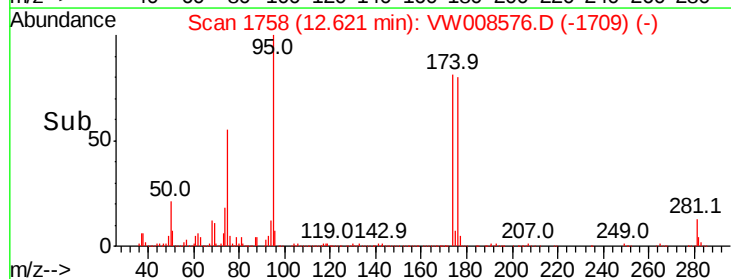
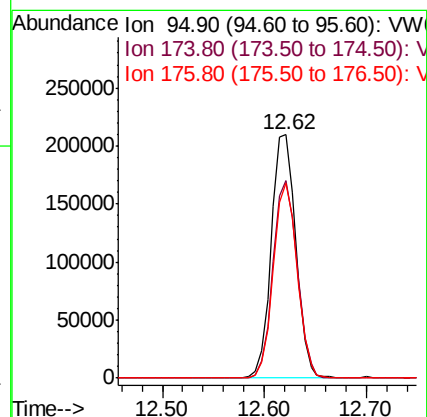
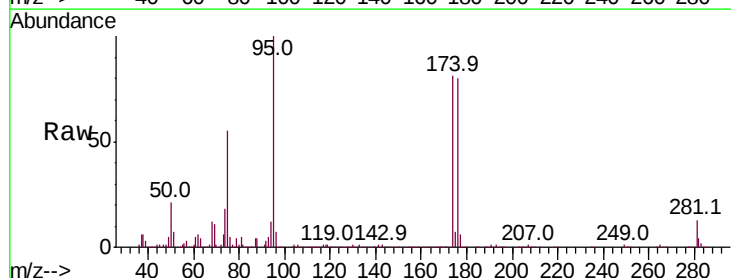
Tgt Ion: 95 Resp: 347842

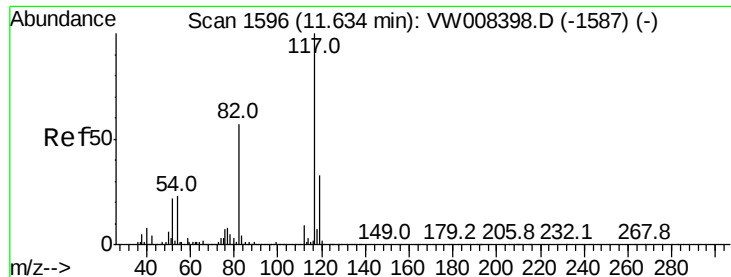
Ion Ratio Lower Upper

95 100

174 80.4 0.0 157.6

176 78.0 0.0 151.8

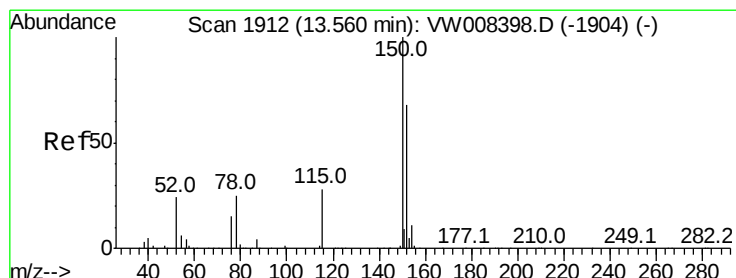
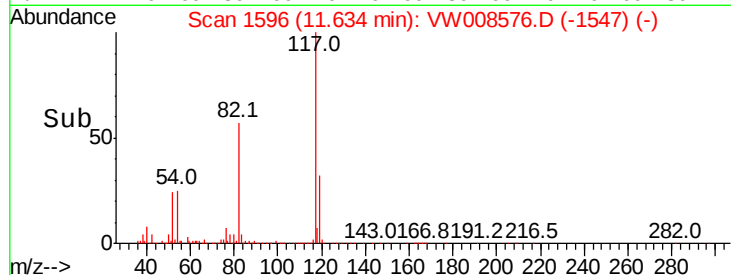
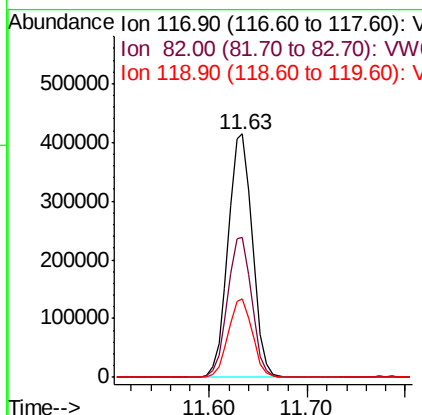
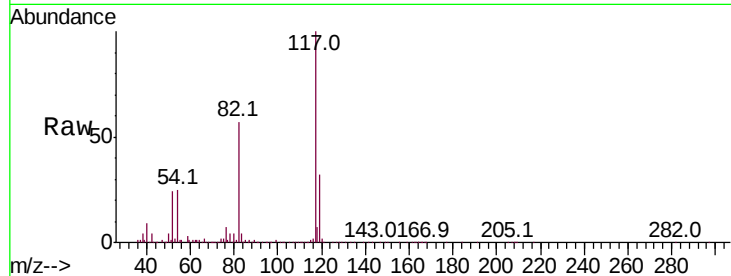




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008576.D
Acq: 08 Feb 2019 16:07

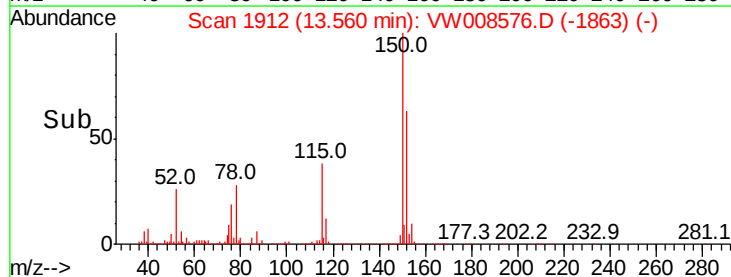
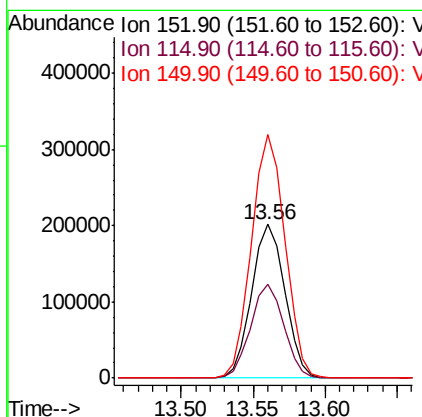
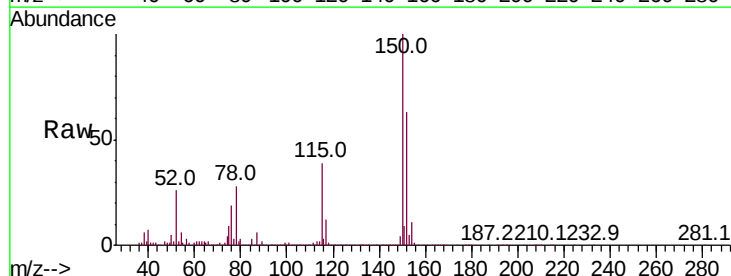
Instrument :
MSVOA_W
ClientSampled :
HB-VJ210

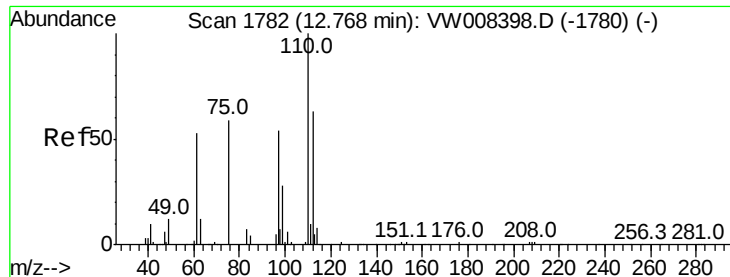
Tot Ion	Ratio	Lower	Upper
117	100		
82	57.3	45.4	68.0
119	32.2	26.2	39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW008576.D
Acq: 08 Feb 2019 16:07

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.9	29.9	89.7
150	159.1	0.0	351.4





#76

1,2,3-Trichloropropane

Concen: 67.507 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW008576.D

Acq: 08 Feb 2019 16:07

Instrument :

MSVOA_W

ClientSampled :

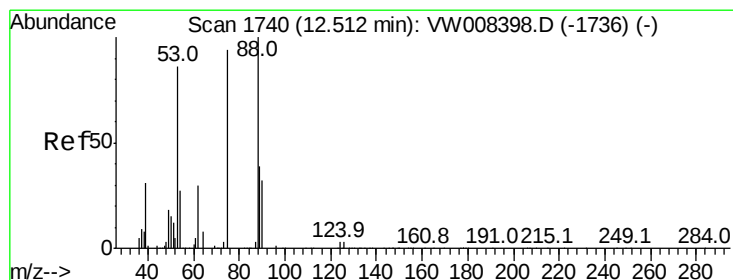
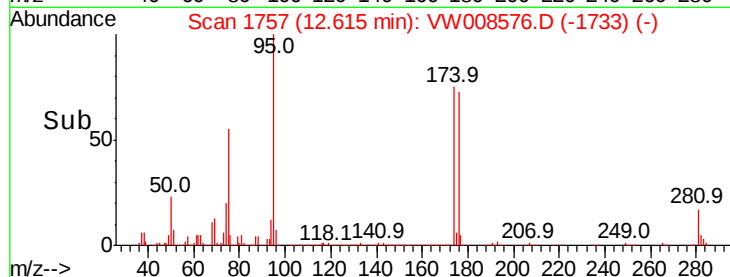
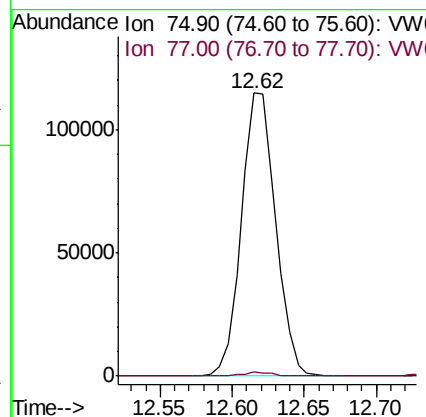
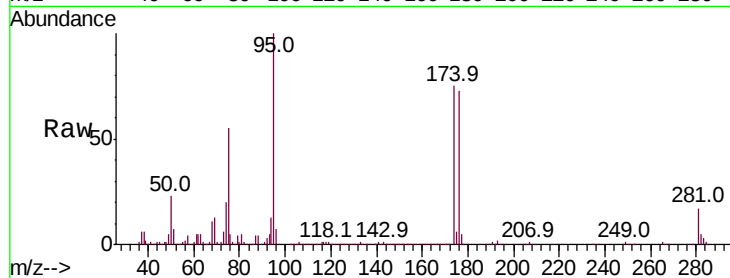
HB-VJ210

Tot Ion: 75 Resp: 189073

Ion Ratio Lower Upper

75 100

77 1.1 180.7 542.1#



#81

trans-1,4-Dichloro-2-butene

Concen: 133.332 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW008576.D

Acq: 08 Feb 2019 16:07

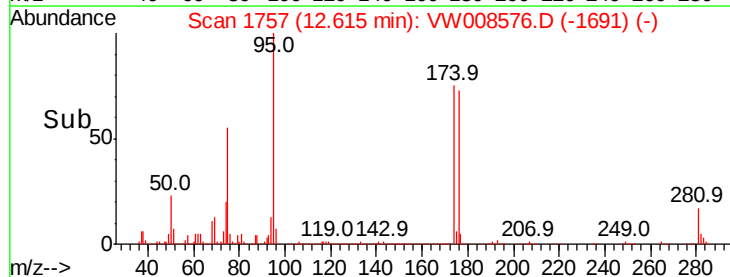
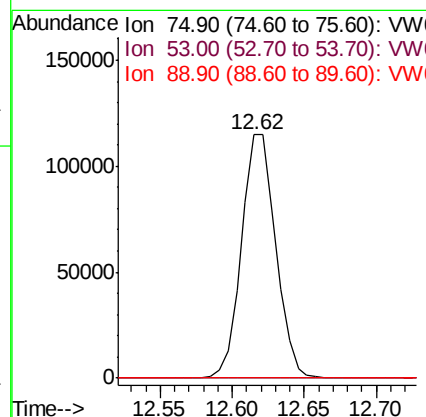
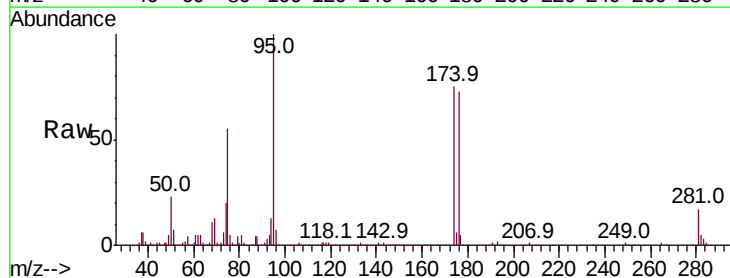
Tgt Ion: 75 Resp: 189073

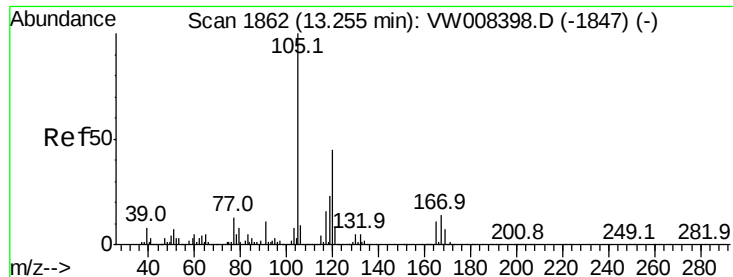
Ion Ratio Lower Upper

75 100

53 0.1 76.0 114.0#

89 0.0 35.4 53.0#





#84

1,2,4-Trimethylbenzene

Concen: 1.549 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. 0.00 min

Lab File: VW008576.D

Acq: 08 Feb 2019 16:07

Instrument :

MSVOA_W

ClientSampleId :

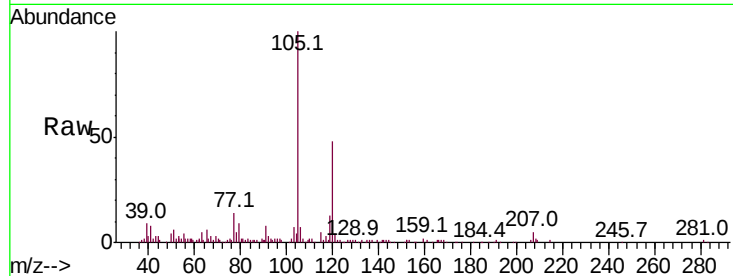
HB-VJ210

Tot Ion:105 Resp: 31601

Ion Ratio Lower Upper

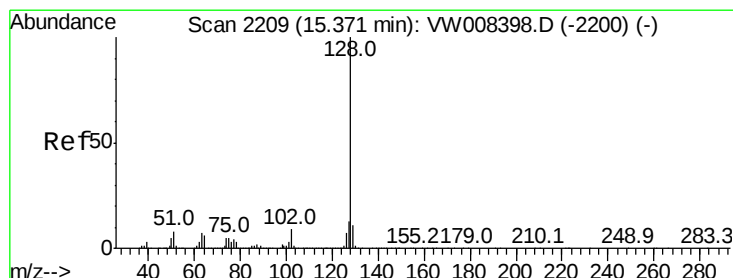
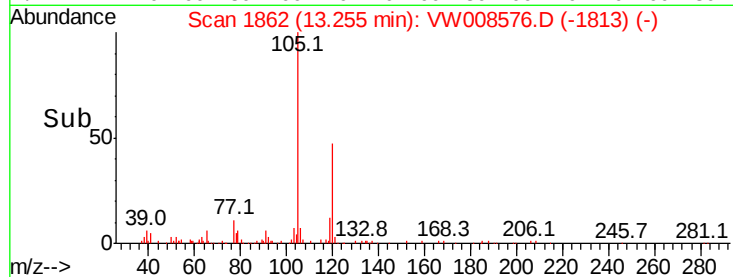
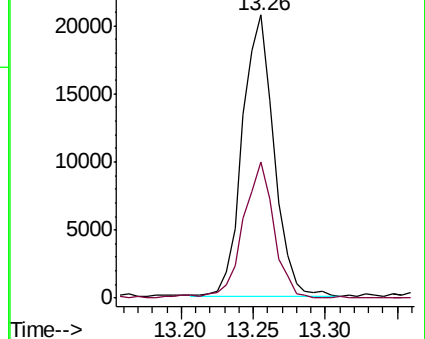
105 100

120 47.3 23.1 69.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#95

Naphthalene

Concen: 3.677 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW008576.D

Acq: 08 Feb 2019 16:07

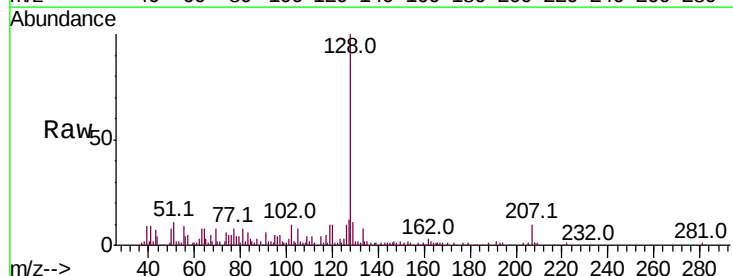
Tgt Ion:128 Resp: 43177

Ion Ratio Lower Upper

128 100

127 14.9 10.6 15.8

129 13.9 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

