

Data File : VW008610.D
Acq On : 11 Feb 2019 20:55
Operator : SY/VA
Sample : K1459-03RE
Misc : 5.62G/5ML/MSVOA_W/SOIL
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
M-10-SRE

Quant Time: Feb 12 04:36:11 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	414647	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	669334	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	616331	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	312902	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	225810	55.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.86%	
35) Dibromofluoromethane	7.88	113	208757	53.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.68%	
50) Toluene-d8	10.32	98	801717	51.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.16%	
62) 4-Bromofluorobenzene	12.62	95	306367	50.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.56%	

Target Compounds

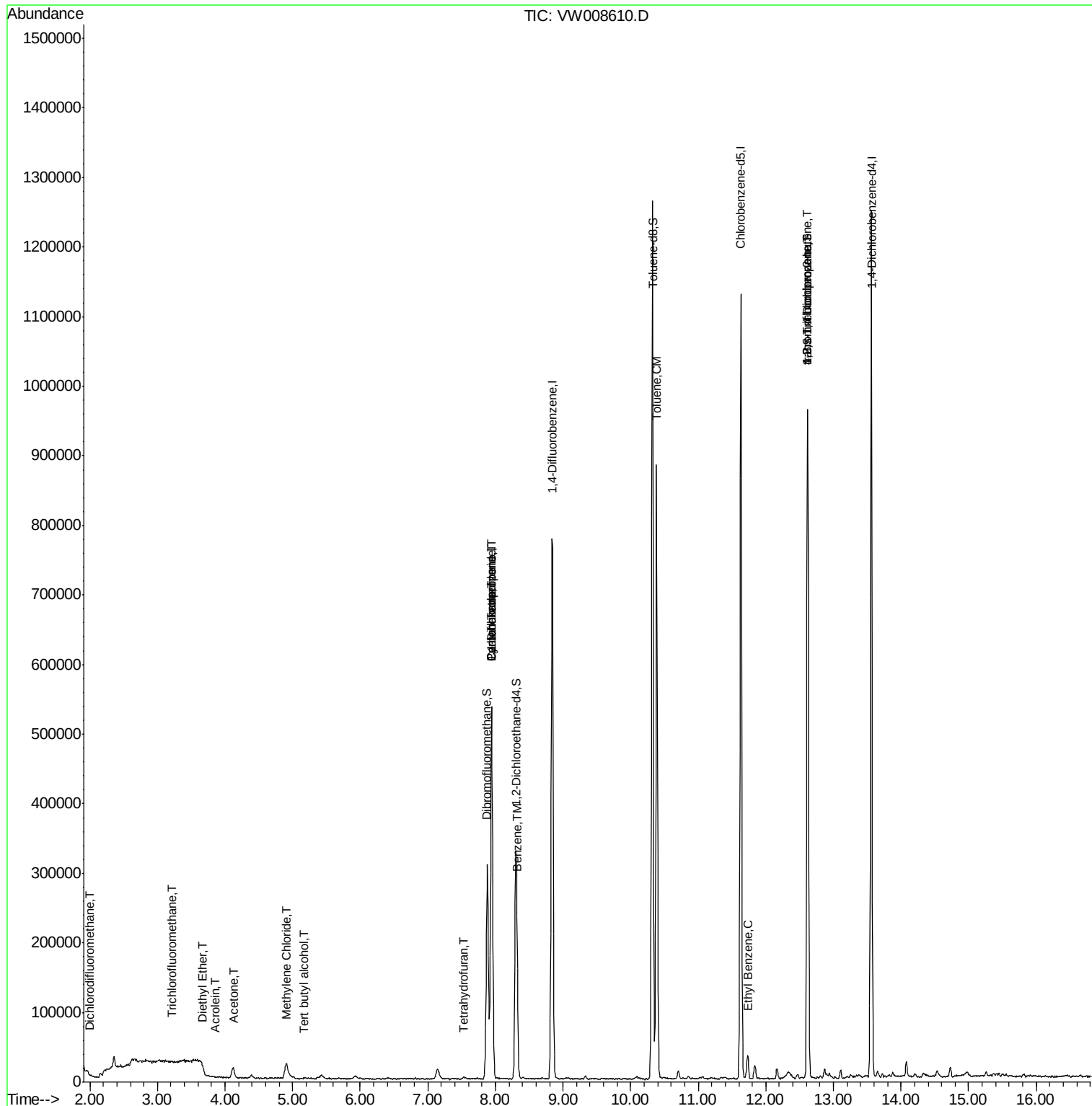
						Qvalue
2) Dichlorodifluoromethane	2.00	85	109	3.295	ug/l #	41
7) Trichlorofluoromethane	3.23	101	68	4.741	ug/l #	16
8) Diethyl Ether	3.68	74	5106	2.469	ug/l	81
11) Tert butyl alcohol	5.17	59	1397	4.260	ug/l #	76
13) Acrolein	3.87	56	242	5.008	ug/l #	14
16) Acetone	4.12	43	27295	29.838	ug/l	98
20) Methylene Chloride	4.90	84	18235	4.325	ug/l	90
29) Tetrahydrofuran	7.54	42	2595	3.223	ug/l #	86
31) Cyclohexane	7.95	56	10219	1.278	ug/l #	23
36) 1,1-Dichloropropene	7.94	75	30063	4.755	ug/l #	50
38) Carbon Tetrachloride	7.95	117	38292	6.018	ug/l #	17
40) Benzene	8.32	78	61675	3.515	ug/l	96
52) Toluene	10.38	92	372978	32.205	ug/l	100
67) Ethyl Benzene	11.73	91	23484	1.015	ug/l	98
76) 1,2,3-Trichloropropane	12.62	75	158911	58.413	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	158911	115.371	ug/l #	12

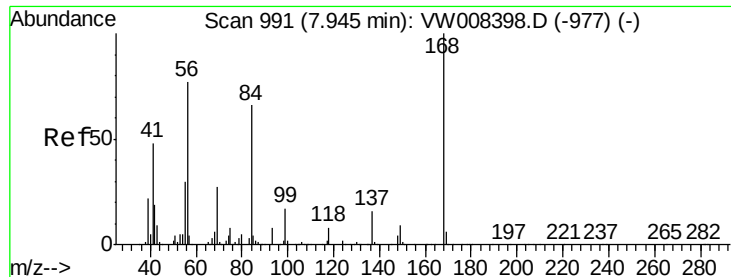
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW008610.D

Acq: 11 Feb 2019 20:55

Instrument :

MSVOA_W

ClientSampleId :

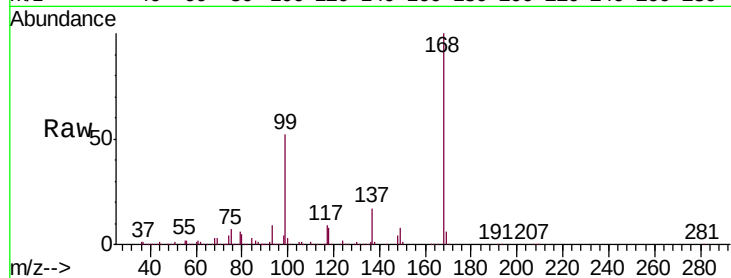
M-10-SRE

Tgt Ion:168 Resp: 414647

Ion Ratio Lower Upper

168 100

99 51.6 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

200000

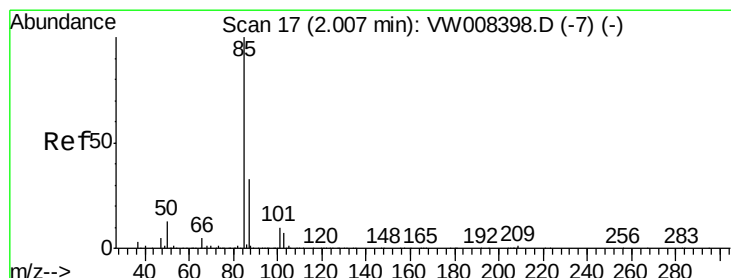
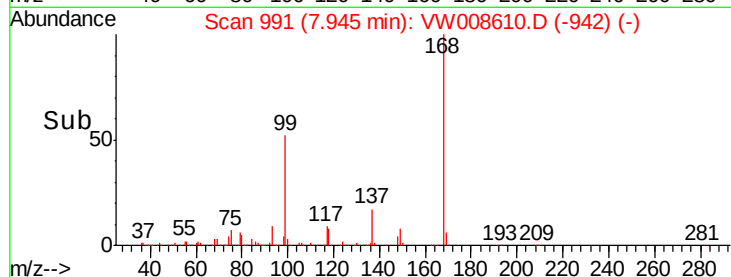
150000

100000

50000

0

Time--> 7.80 7.90 8.00



#2

Dichlorodifluoromethane

Concen: 3.295 ug/l

RT: 2.00 min Scan# 16

Delta R.T. -0.01 min

Lab File: VW008610.D

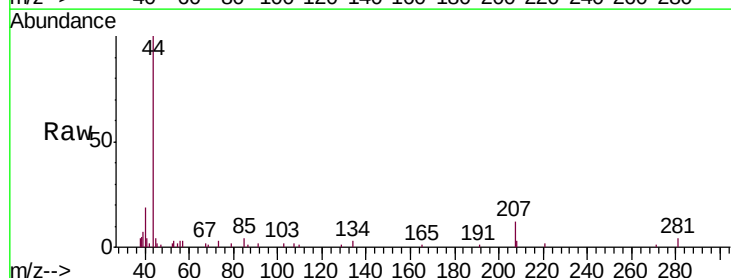
Acq: 11 Feb 2019 20:55

Tgt Ion: 85 Resp: 109

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

2.00

200

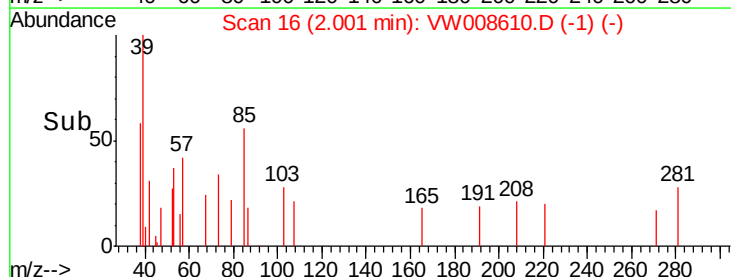
150

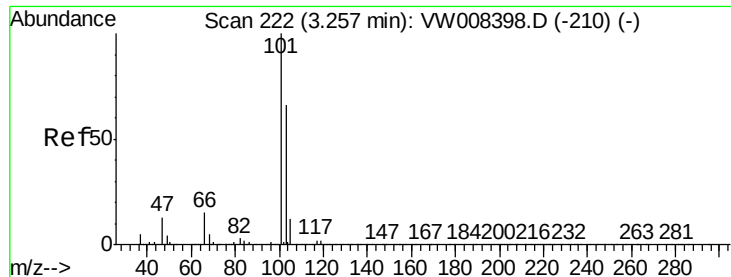
100

50

0

Time--> 1.98 2.00 2.02



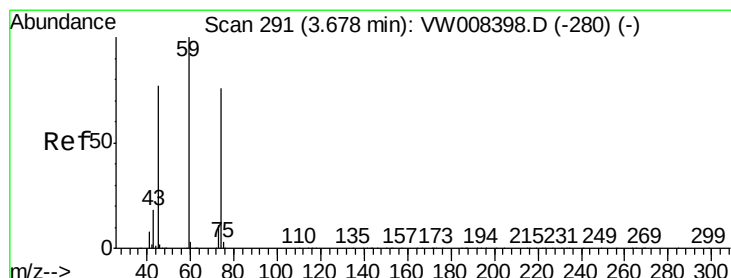
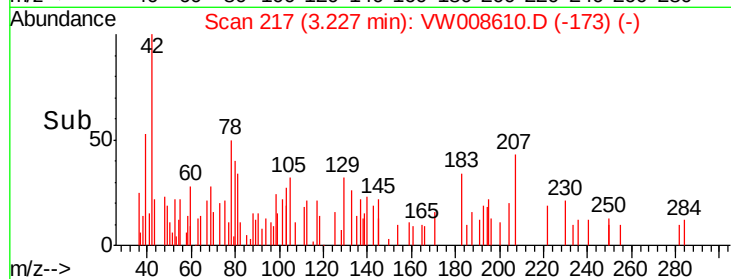
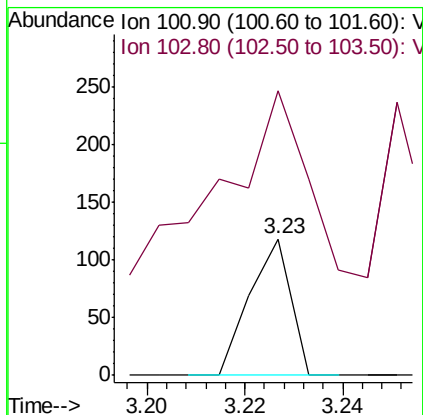
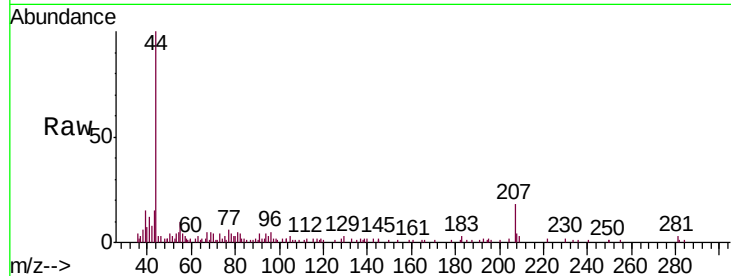


#7

Trichlorofluoromethane
 Concen: 4.741 ug/l
 RT: 3.23 min Scan# 217
 Delta R.T. -0.03 min
 Lab File: VW008610.D
 Acq: 11 Feb 2019 20:55

Instrument :
 MSVOA_W
 ClientSampleId :
 M-10-SRE

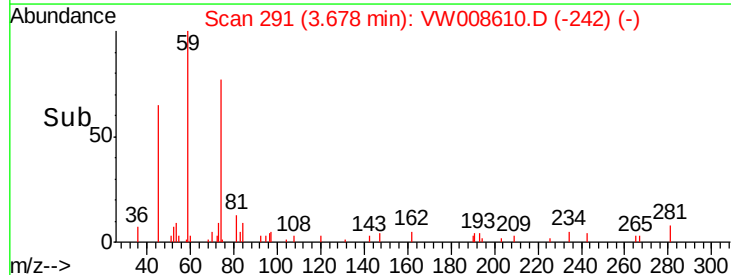
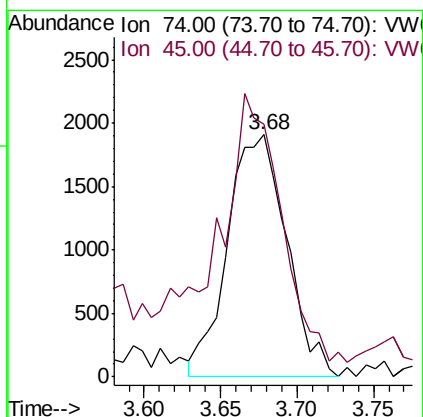
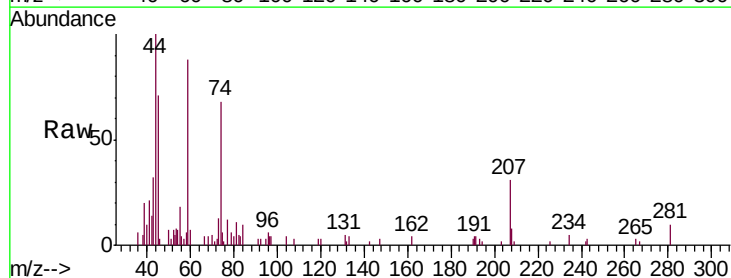
Tgt Ion: 101 Resp: 68
 Ion Ratio Lower Upper
 101 100
 103 132.2 52.5 78.7#

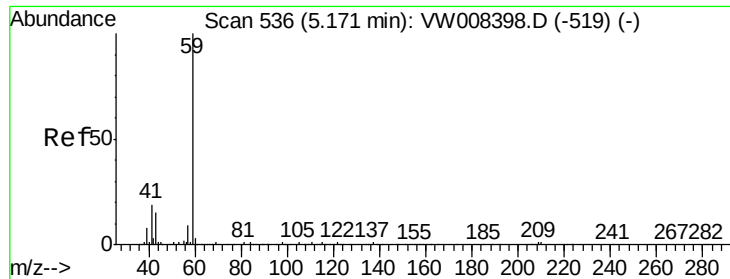


#8

Diethyl Ether
 Concen: 2.469 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. 0.00 min
 Lab File: VW008610.D
 Acq: 11 Feb 2019 20:55

Tgt Ion: 74 Resp: 5106
 Ion Ratio Lower Upper
 74 100
 45 122.6 51.7 155.2

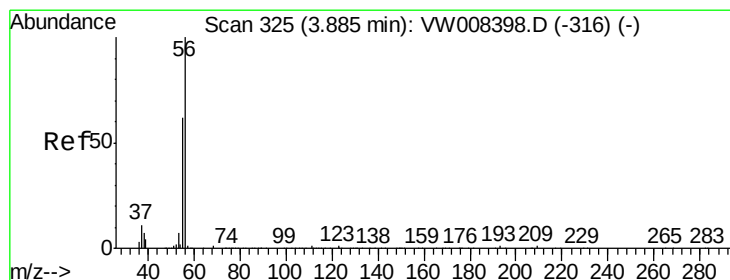
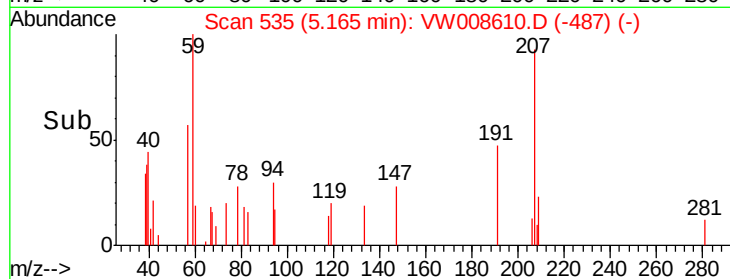
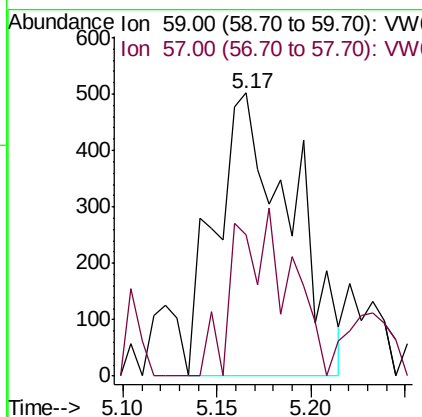
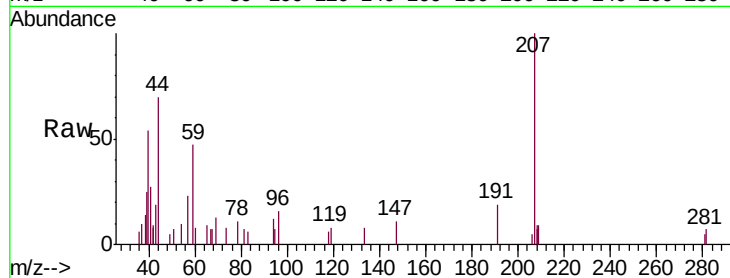




#11
Tert butyl alcohol
Concen: 4.260 ug/l
RT: 5.17 min Scan# 535
Delta R.T. -0.01 min
Lab File: VW008610.D
Acq: 11 Feb 2019 20:55

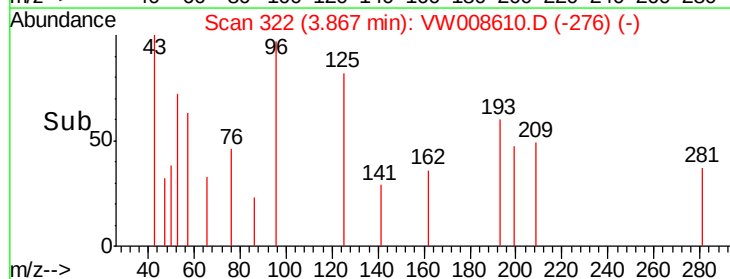
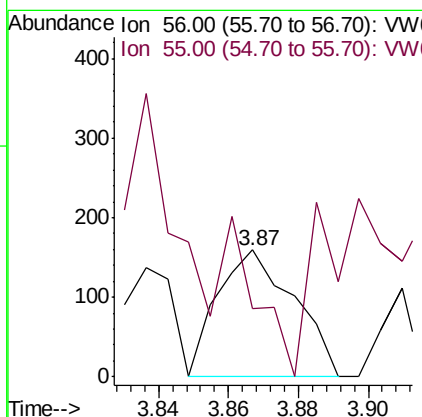
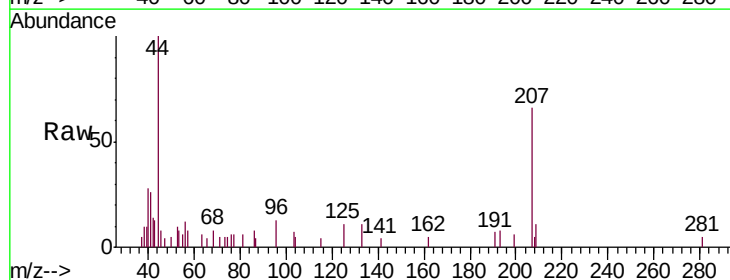
Instrument :
MSVOA_W
ClientSampled :
M-10-SRE

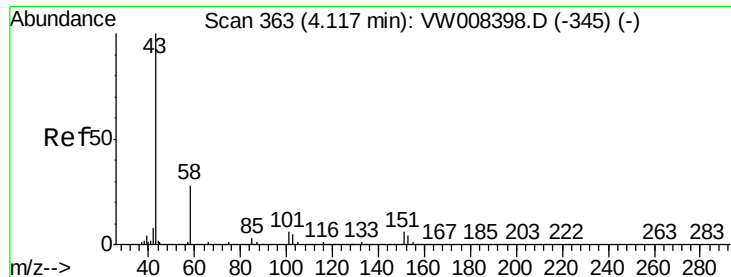
Tgt Ion: 59 Resp: 1397
Ion Ratio Lower Upper
59 100
57 21.0 9.3 13.9#



#13
Acrolein
Concen: 5.008 ug/l
RT: 3.87 min Scan# 322
Delta R.T. -0.02 min
Lab File: VW008610.D
Acq: 11 Feb 2019 20:55

Tgt Ion: 56 Resp: 242
Ion Ratio Lower Upper
56 100
55 0.0 56.7 85.1#

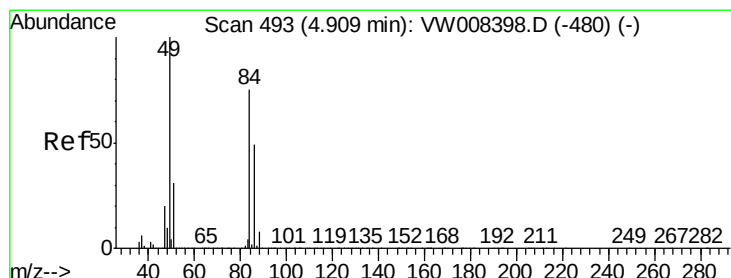
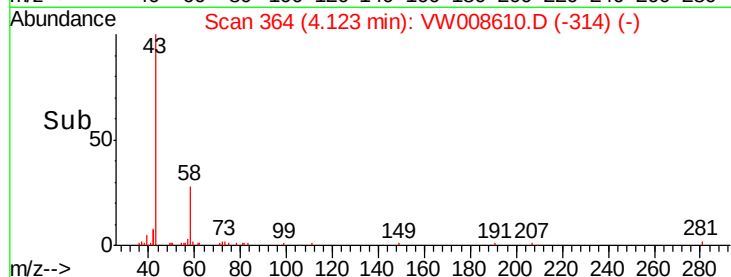
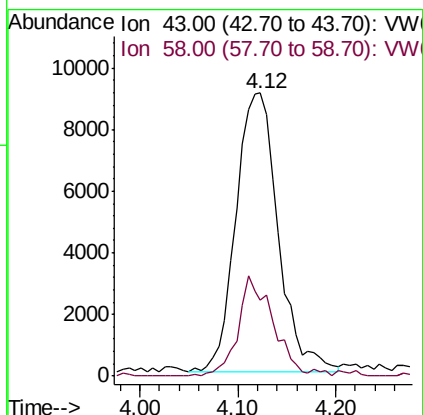
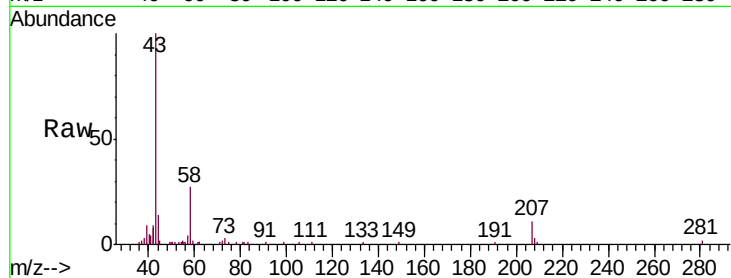




#16
Acetone
Concen: 29.838 ug/l
RT: 4.12 min Scan# 364
Delta R.T. 0.01 min
Lab File: VW008610.D
Acq: 11 Feb 2019 20:55

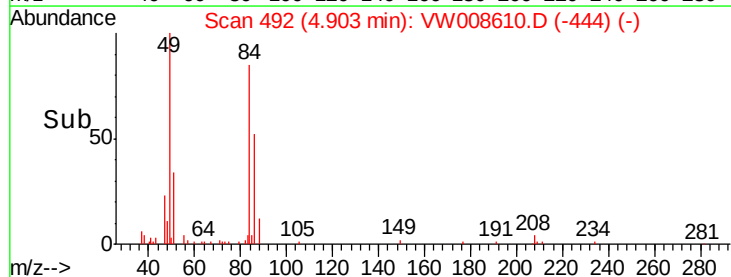
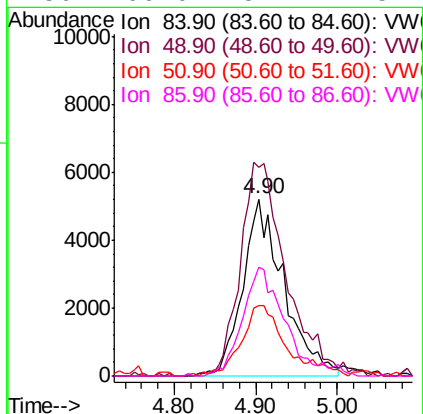
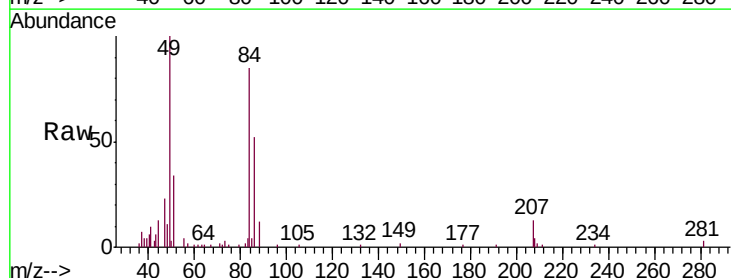
Instrument :
MSVOA_W
ClientSampleId :
M-10-SRE

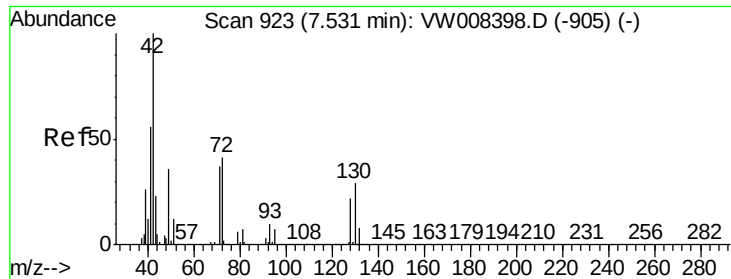
Tgt Ion: 43 Resp: 27295
Ion Ratio Lower Upper
43 100
58 27.0 22.6 34.0



#20
Methylene Chloride
Concen: 4.325 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.01 min
Lab File: VW008610.D
Acq: 11 Feb 2019 20:55

Tgt Ion: 84 Resp: 18235
Ion Ratio Lower Upper
84 100
49 118.0 106.8 160.2
51 38.8 32.9 49.3
86 60.0 52.2 78.2

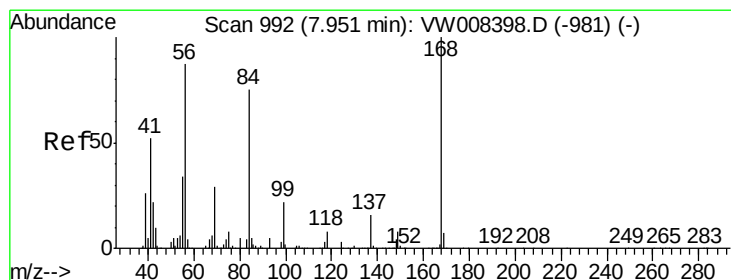
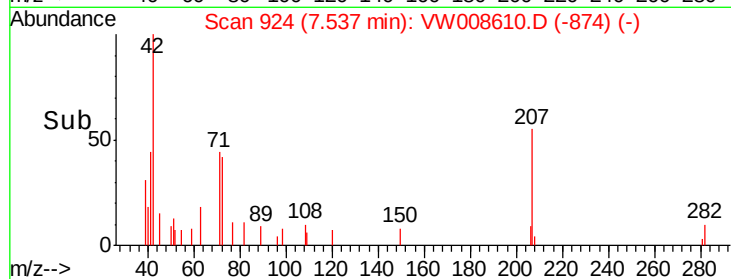
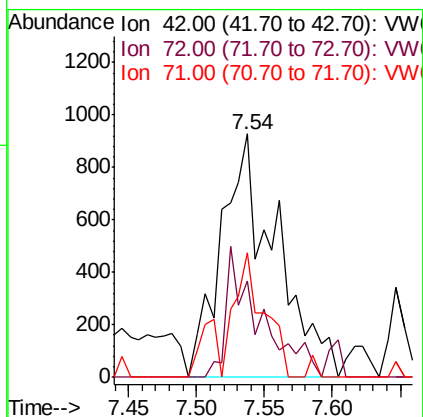
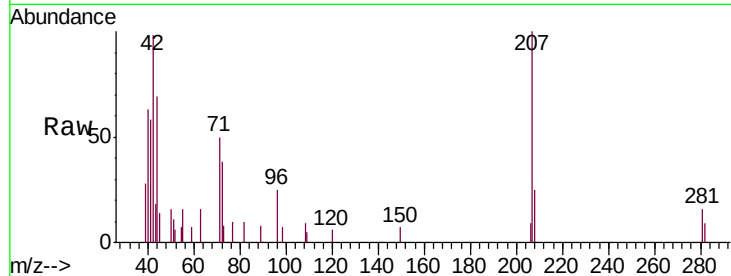




#29
Tetrahydrofuran
Concen: 3.223 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW008610.D
Acq: 11 Feb 2019 20:55

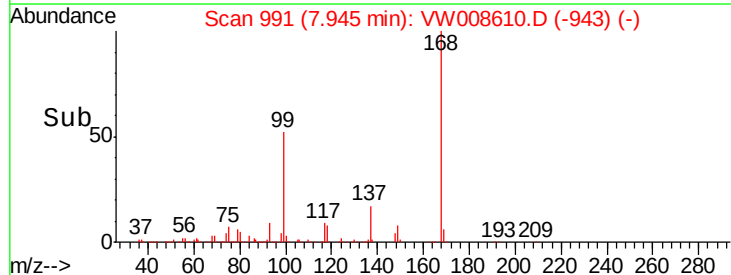
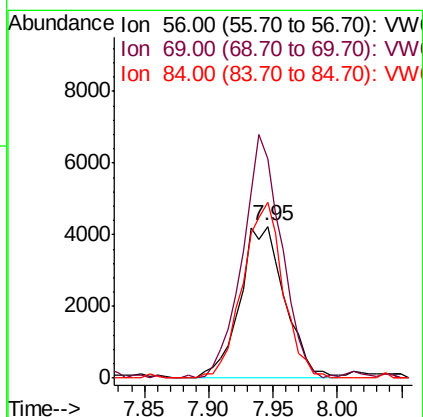
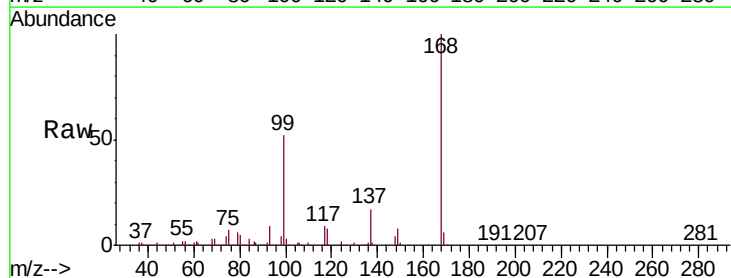
Instrument :
MSVOA_W
ClientSampleId :
M-10-SRE

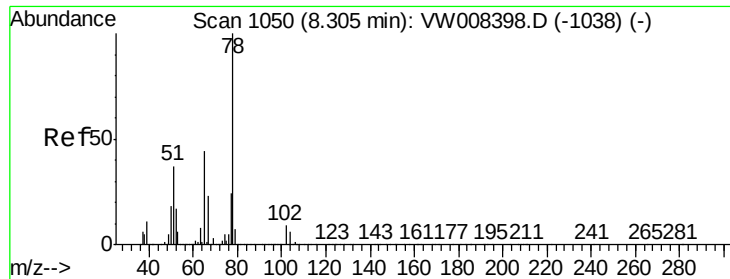
Tgt Ion: 42 Resp: 2595
Ion Ratio Lower Upper
42 100
72 33.3 31.9 47.9
71 27.6 29.9 44.9#



#31
Cyclohexane
Concen: 1.278 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW008610.D
Acq: 11 Feb 2019 20:55

Tgt Ion: 56 Resp: 10219
Ion Ratio Lower Upper
56 100
69 143.3 26.4 39.6#
84 115.7 69.1 103.7#

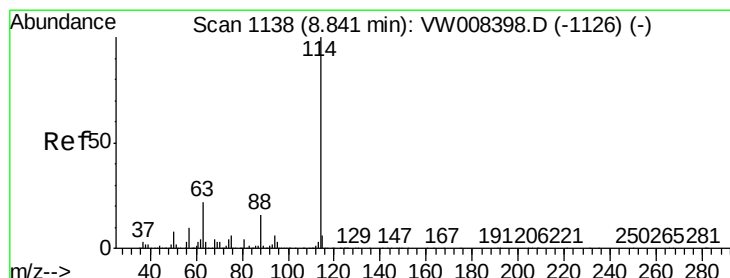
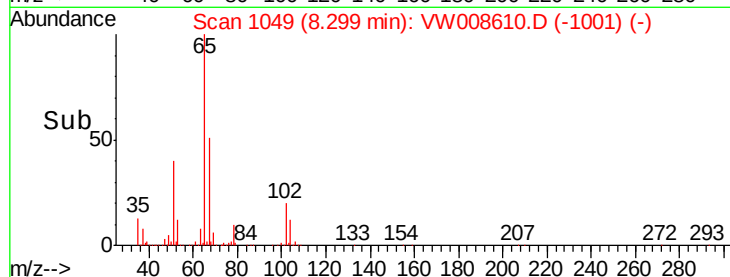
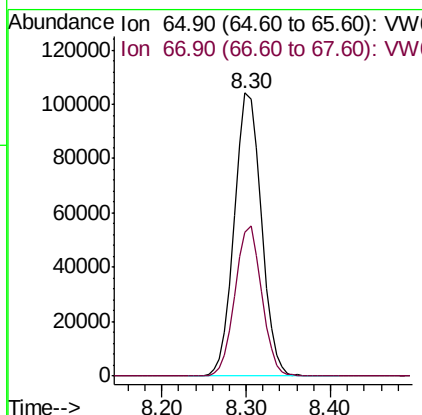
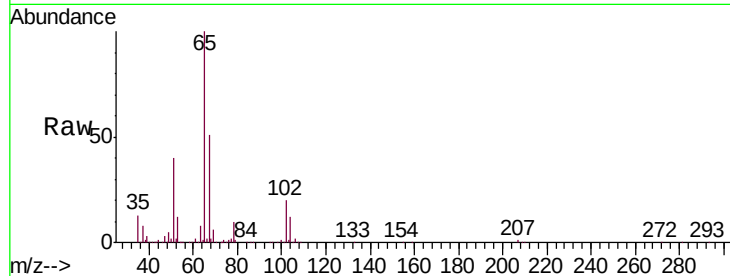




#33
 1,2-Dichloroethane-d4
 Concen: 55.434 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW008610.D
 Acq: 11 Feb 2019 20:55

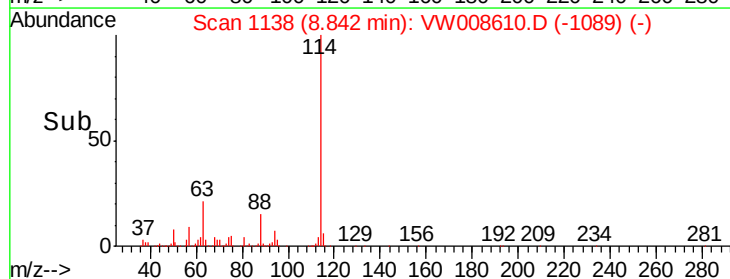
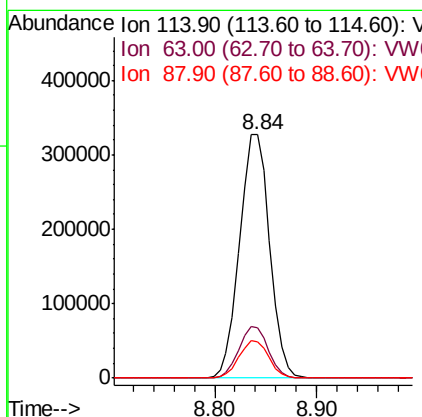
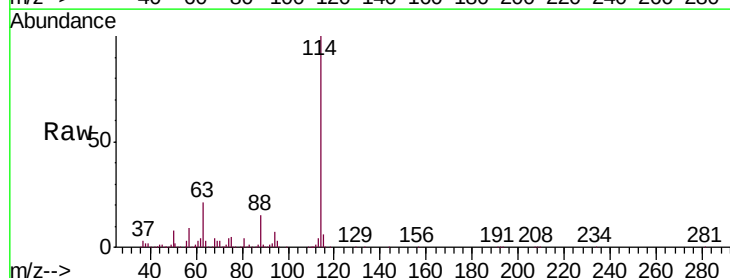
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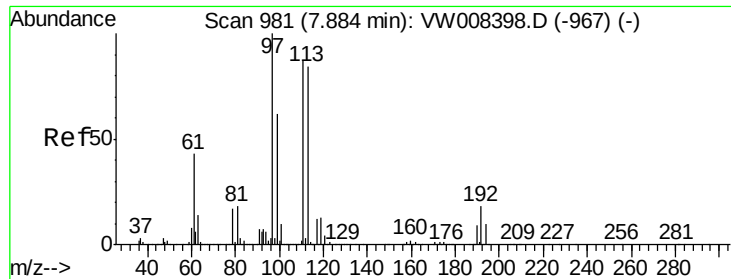
Tgt Ion: 65 Resp: 225810
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008610.D
 Acq: 11 Feb 2019 20:55

Tgt Ion: 114 Resp: 669334
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 43.6
 88 15.1 0.0 31.8

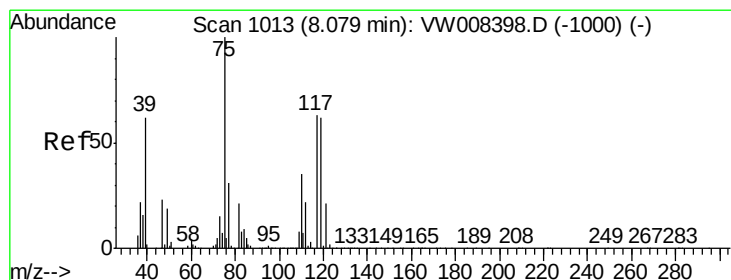
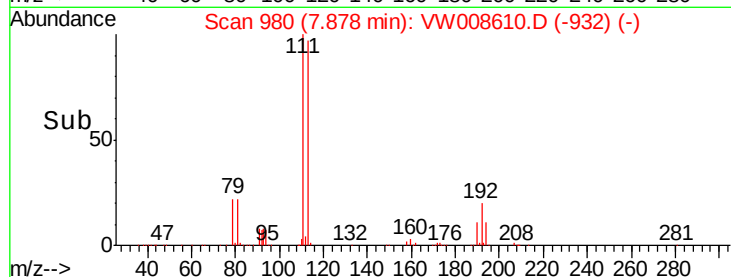
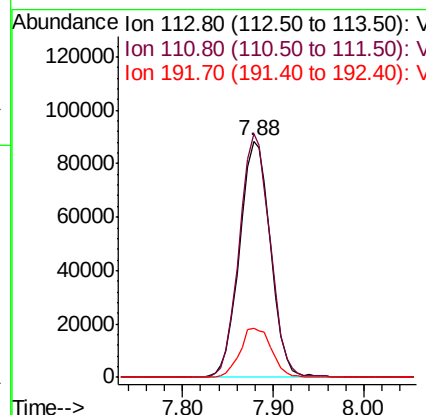
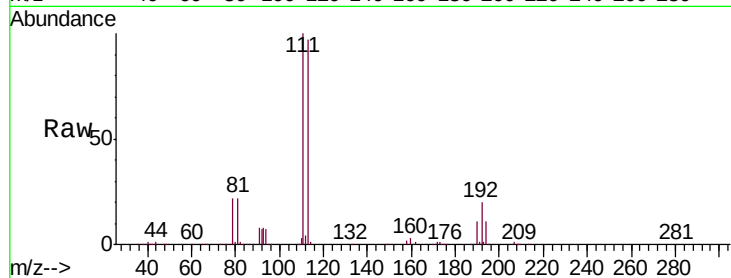




#35
 Dibromofluoromethane
 Concen: 53.338 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW008610.D
 Acq: 11 Feb 2019 20:55

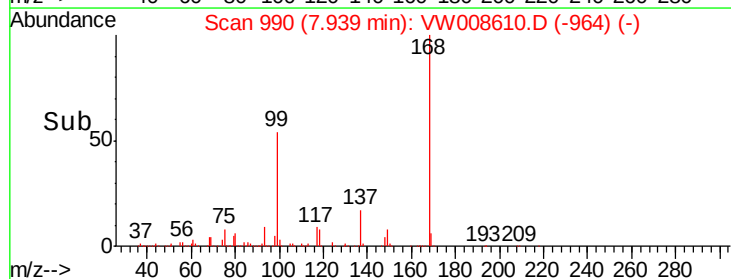
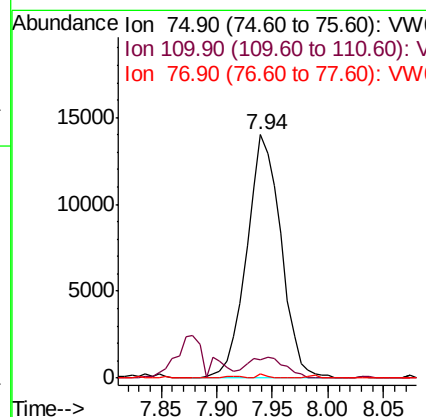
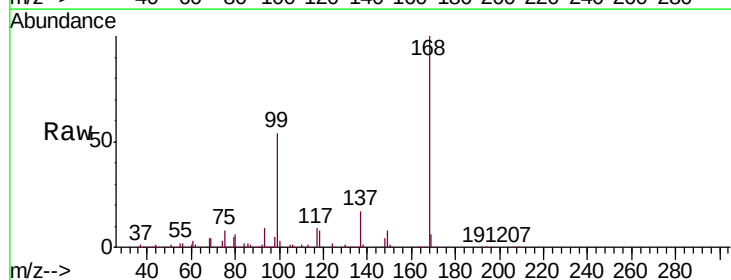
Instrument :
 MSVOA_W
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 M-10-SRE

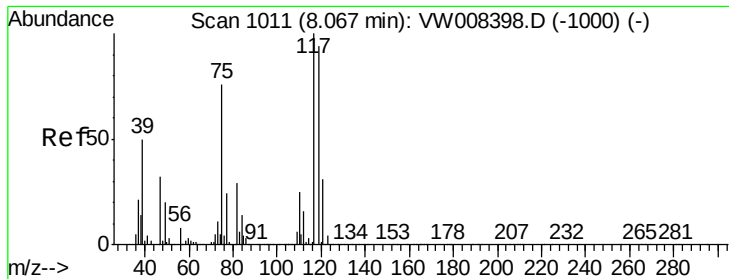
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.9	81.0	121.4
192	21.1	16.8	25.2



#36
 1,1-Dichloropropene
 Concen: 4.755 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW008610.D
 Acq: 11 Feb 2019 20:55

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.6	17.3	52.0#
77	0.0	24.7	37.1#





#38

Carbon Tetrachloride

Concen: 6.018 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW008610.D

Acq: 11 Feb 2019 20:55

Instrument :

MSVOA_W

ClientSampleId :

M-10-SRE

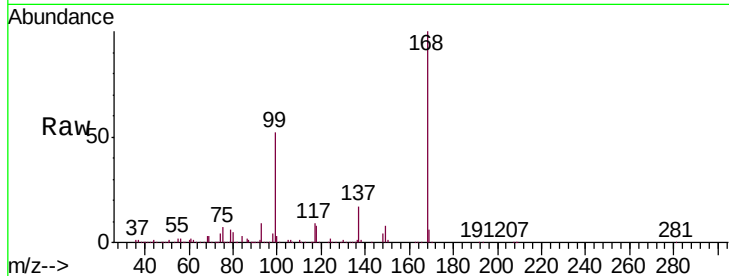
Tgt Ion:117 Resp: 38292

Ion Ratio Lower Upper

117 100

119 4.8 75.0 112.4#

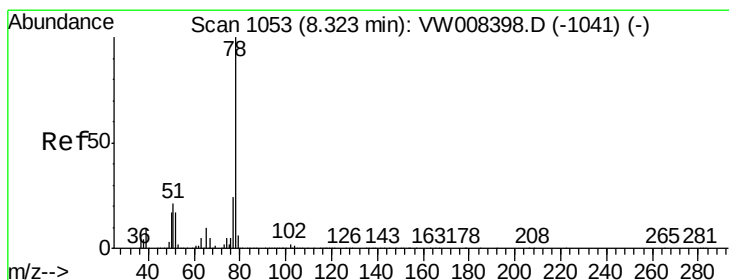
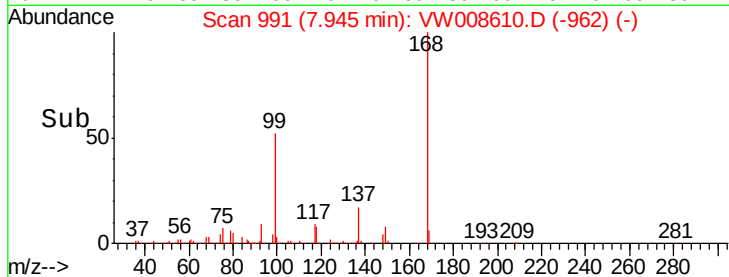
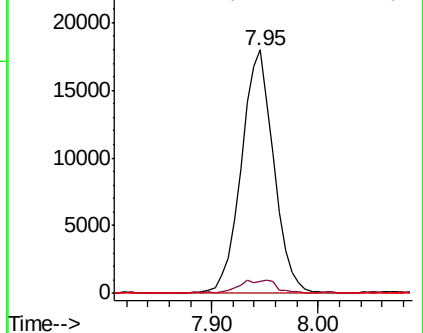
121 0.0 24.9 37.3#



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



#40

Benzene

Concen: 3.515 ug/l

RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VW008610.D

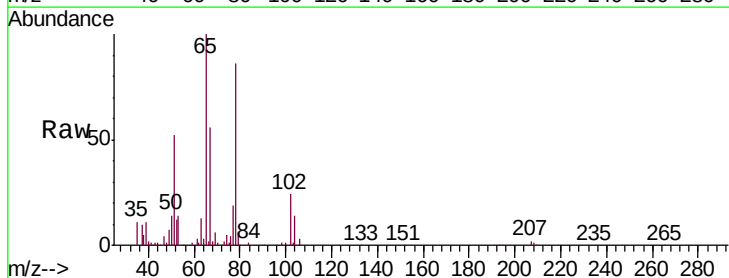
Acq: 11 Feb 2019 20:55

Tgt Ion: 78 Resp: 61675

Ion Ratio Lower Upper

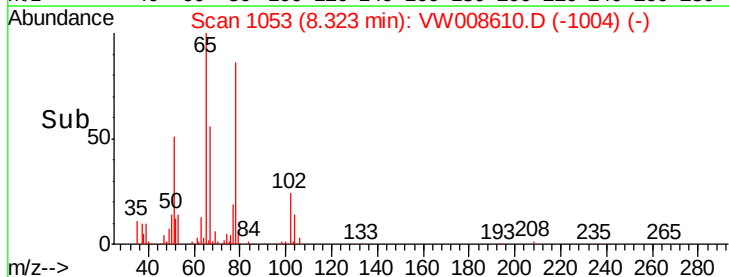
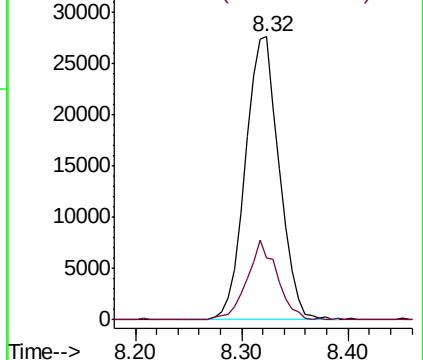
78 100

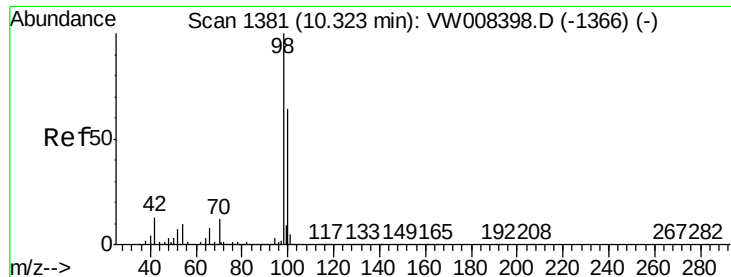
77 22.0 19.0 28.6



Abundance Ion 78.00 (77.70 to 78.70): VW

Ion 77.00 (76.70 to 77.70): VW





#50

Toluene-d8

Concen: 51.082 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW008610.D

Acq: 11 Feb 2019 20:55

Instrument :

MSVOA_W

ClientSampled :

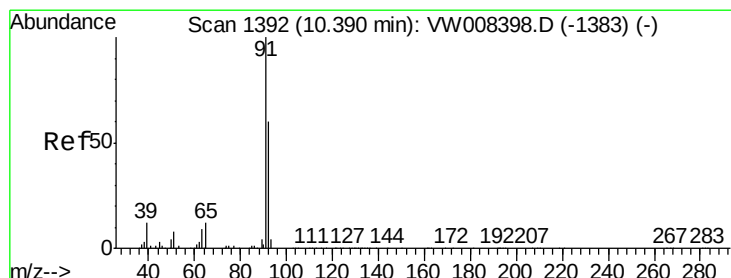
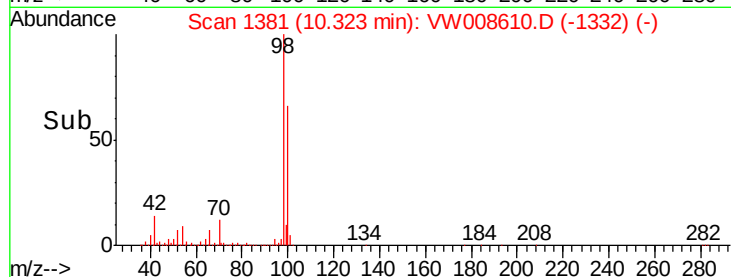
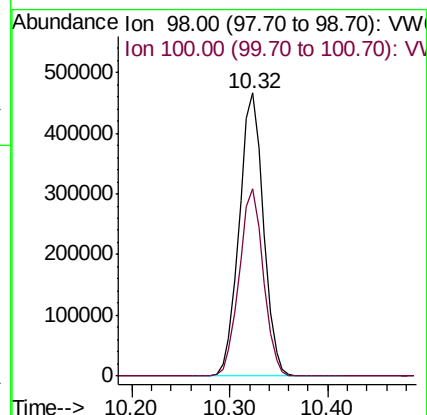
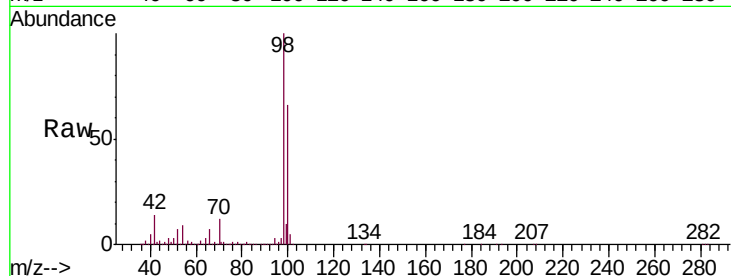
M-10-SRE

Tgt Ion: 98 Resp: 801717

Ion Ratio Lower Upper

98 100

100 66.1 52.6 78.8



#52

Toluene

Concen: 32.205 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW008610.D

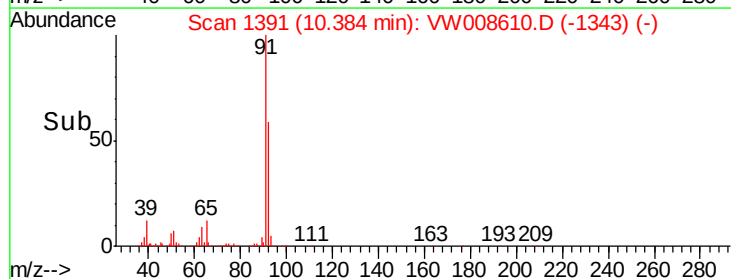
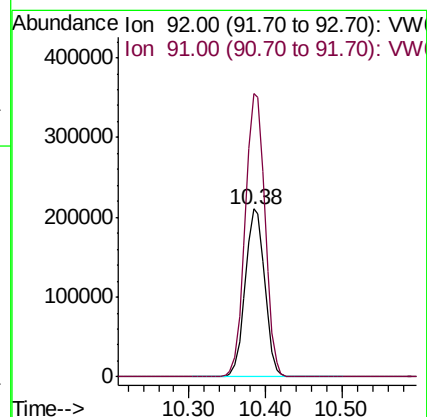
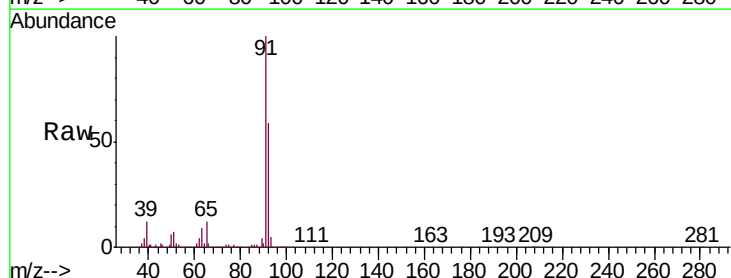
Acq: 11 Feb 2019 20:55

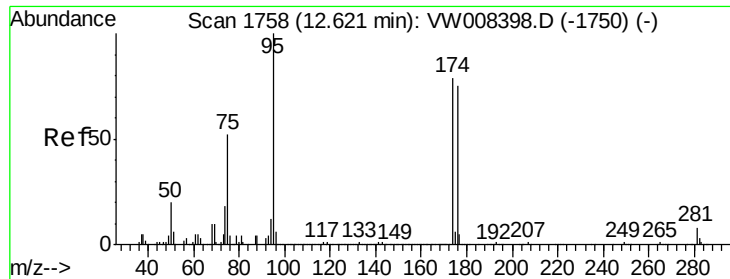
Tgt Ion: 92 Resp: 372978

Ion Ratio Lower Upper

92 100

91 170.0 135.5 203.3

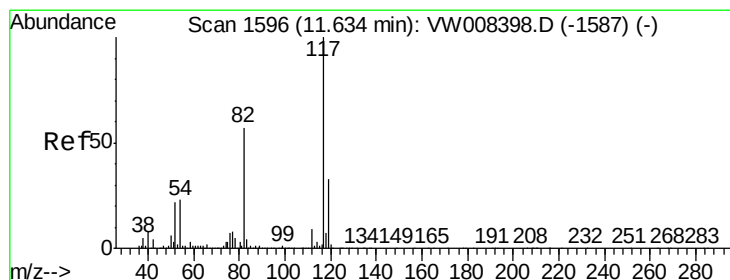
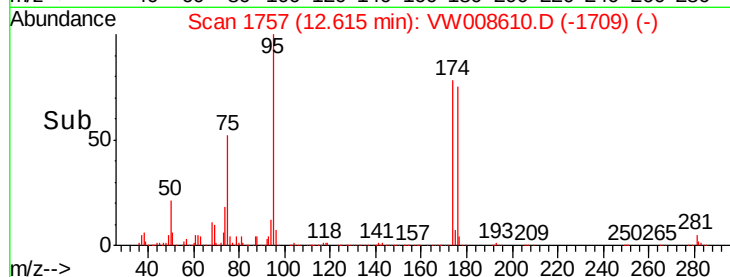
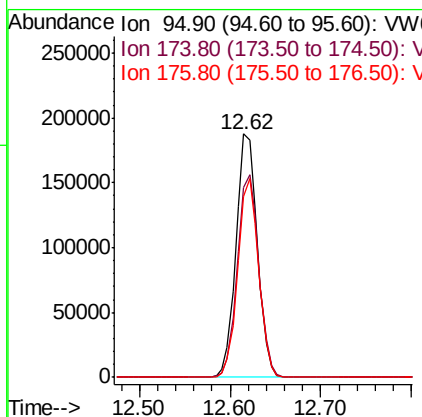
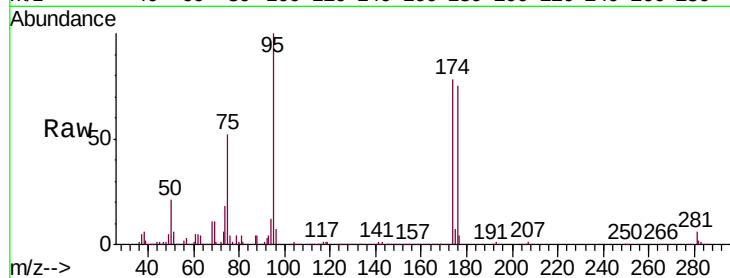




#62
4-Bromofluorobenzene
Concen: 50.784 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.01 min
Lab File: VW008610.D
Acq: 11 Feb 2019 20:55

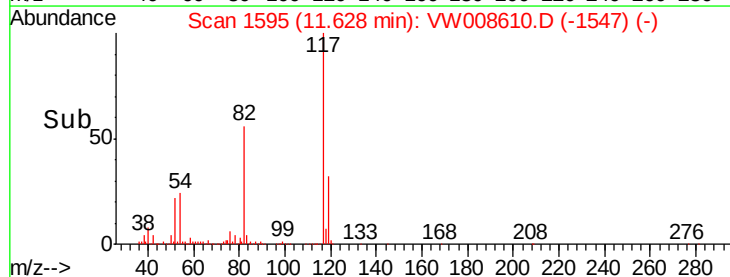
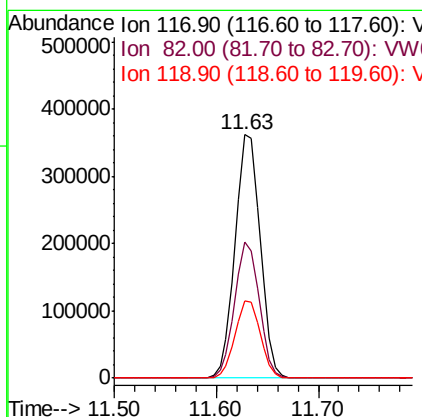
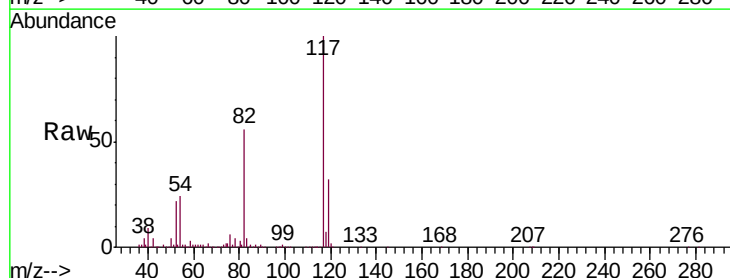
Instrument :
MSVOA_W
ClientSampleId :
M-10-SRE

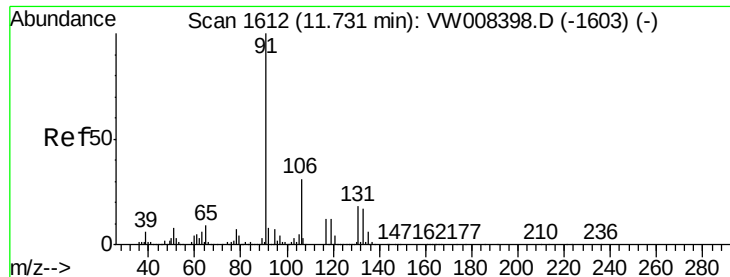
Tgt Ion	Ratio	Lower	Upper
95	100		
174	83.6	0.0	157.6
176	79.9	0.0	151.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW008610.D
Acq: 11 Feb 2019 20:55

Tgt Ion	Ratio	Lower	Upper
117	100		
82	56.0	45.4	68.0
119	31.6	26.2	39.4

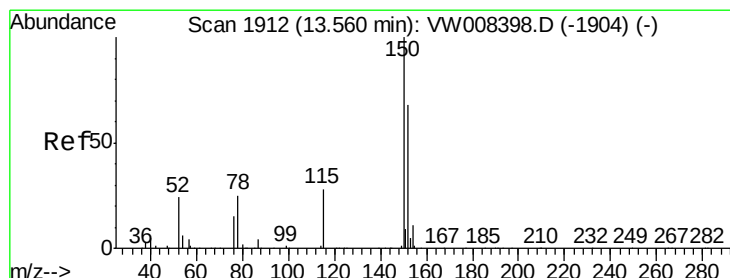
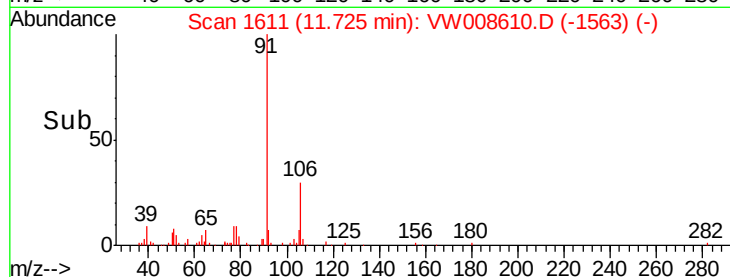
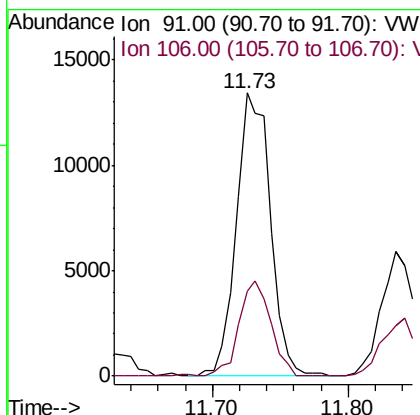
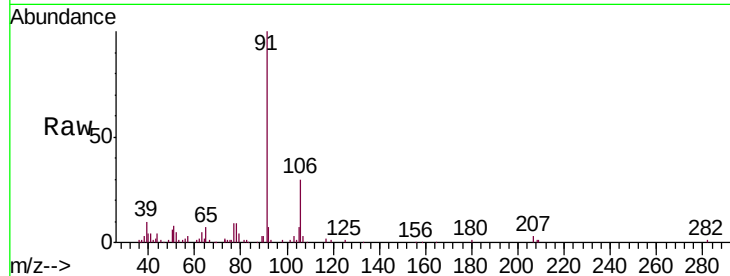




#67
 Ethyl Benzene
 Concen: 1.015 ug/l
 RT: 11.73 min Scan# 1611
 Delta R.T. -0.01 min
 Lab File: VW008610.D
 Acq: 11 Feb 2019 20:55

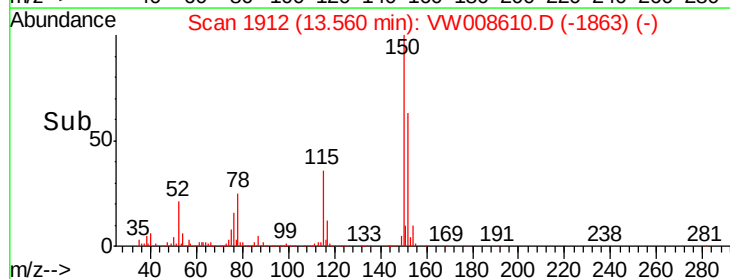
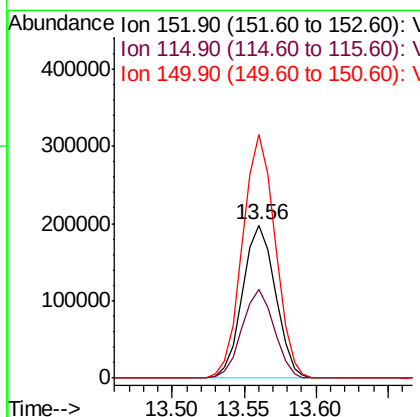
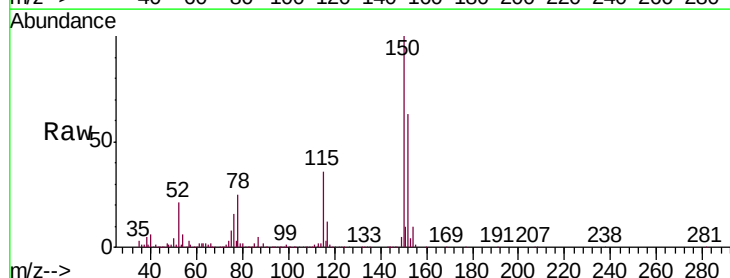
Instrument :
 MSVOA_W
 ClientSampled :
 M-10-SRE

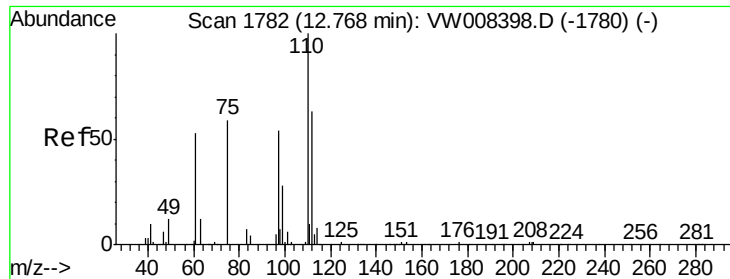
Tgt Ion: 91 Resp: 23484
 Ion Ratio Lower Upper
 91 100
 106 30.0 24.7 37.1



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.56 min Scan# 1912
 Delta R.T. 0.00 min
 Lab File: VW008610.D
 Acq: 11 Feb 2019 20:55

Tgt Ion: 152 Resp: 312902
 Ion Ratio Lower Upper
 152 100
 115 57.0 29.9 89.7
 150 158.4 0.0 351.4





#76

1,2,3-Trichloropropane

Concen: 58.413 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW008610.D

Acq: 11 Feb 2019 20:55

Instrument :

MSVOA_W

ClientSampled :

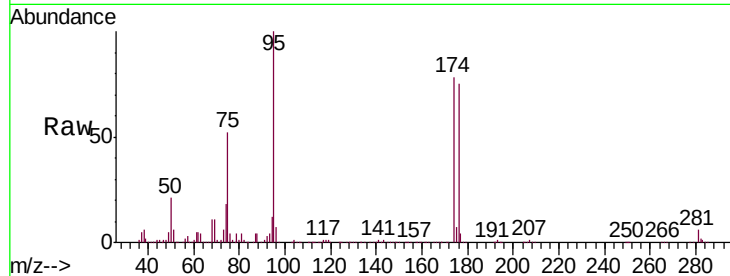
M-10-SRE

Tgt Ion: 75 Resp: 158911

Ion Ratio Lower Upper

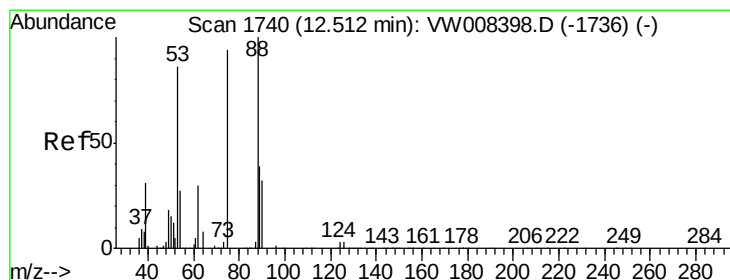
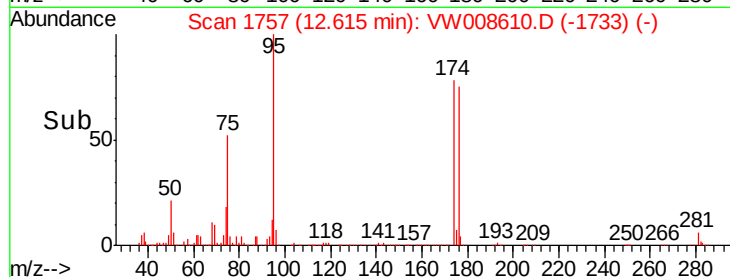
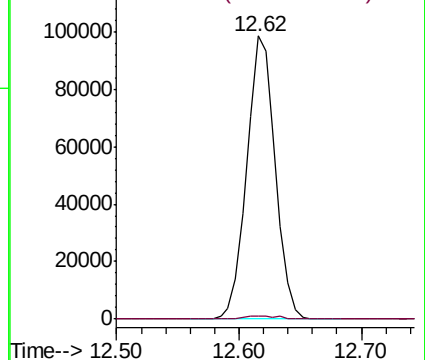
75 100

77 1.5 180.7 542.1#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW



#81

trans-1,4-Dichloro-2-butene

Concen: 115.371 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW008610.D

Acq: 11 Feb 2019 20:55

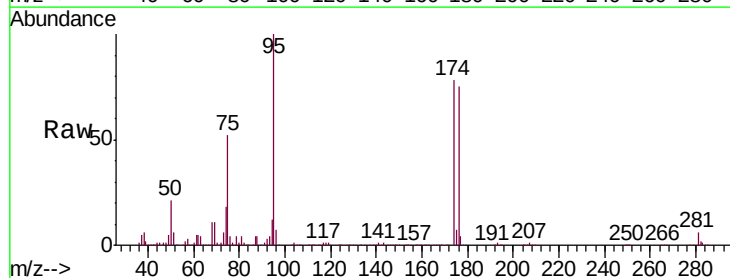
Tgt Ion: 75 Resp: 158911

Ion Ratio Lower Upper

75 100

53 0.1 76.0 114.0#

89 0.2 35.4 53.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

