

Data File : VW008401.D
Acq On : 24 Jan 2019 17:25
Operator : SY/VA
Sample : VIBLK
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VIBLK

Quant Time: Jan 25 11:20:32 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	537725	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	843075	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	753567	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	383881	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	268560	50.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.68%	
35) Dibromofluoromethane	7.88	113	250403	50.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.58%	
50) Toluene-d8	10.32	98	994401	50.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.60%	
62) 4-Bromofluorobenzene	12.62	95	366324	48.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.42%	

Target Compounds

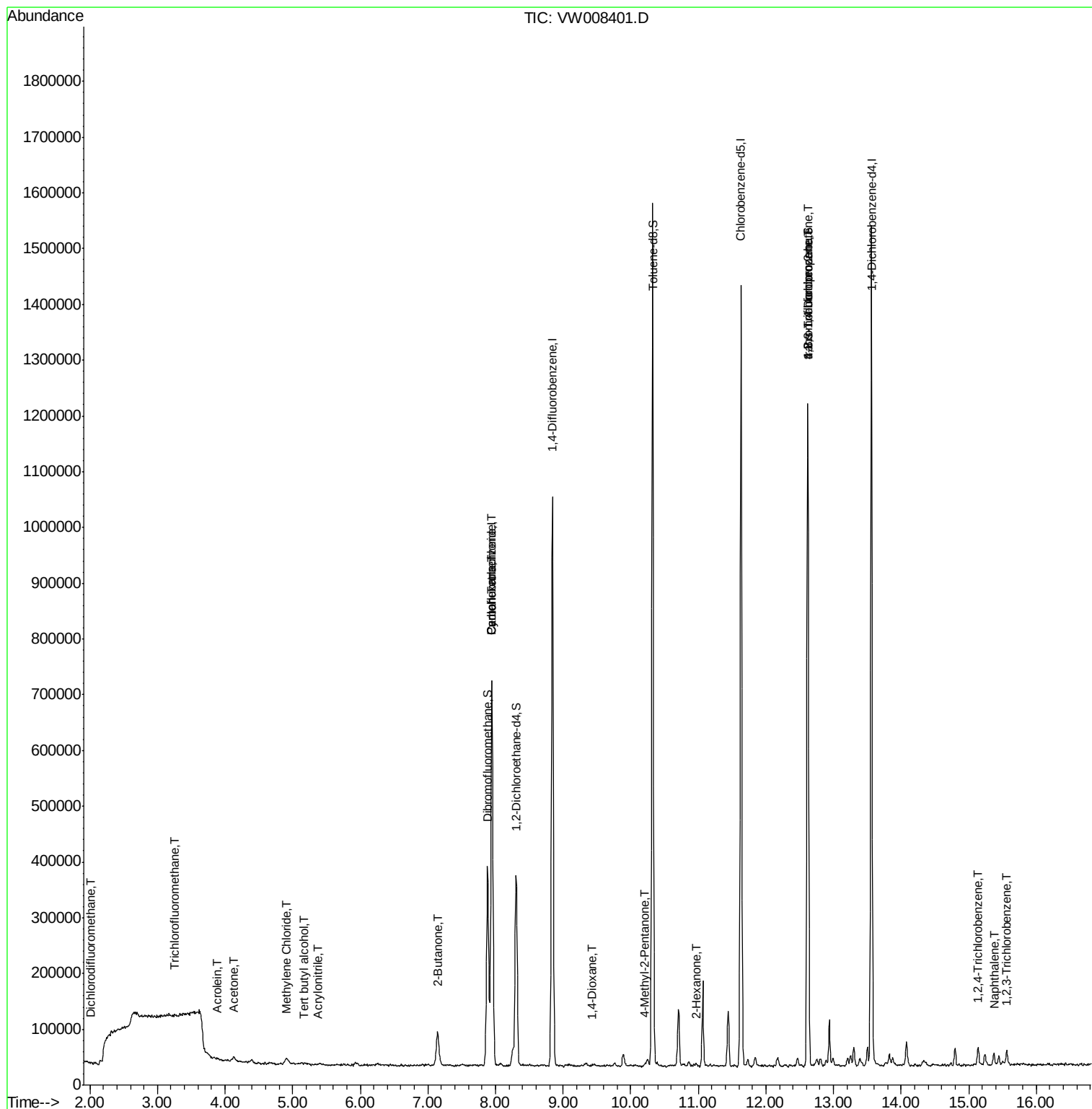
						Qvalue
2) Dichlorodifluoromethane	2.02	85	828	3.502	ug/l #	70
7) Trichlorofluoromethane	3.26	101	839	4.881	ug/l #	52
11) Tert butyl alcohol	5.17	59	1090	2.563	ug/l #	2
13) Acrolein	3.89	56	501	5.498	ug/l #	1
15) Acrylonitrile	5.37	53	1421	1.227	ug/l #	64
16) Acetone	4.12	43	17195	14.495	ug/l	96
20) Methylene Chloride	4.91	84	9098	1.664	ug/l	97
25) 2-Butanone	7.15	43	3168	1.923	ug/l #	65
31) Cyclohexane	7.95	56	13284	1.281	ug/l #	20
38) Carbon Tetrachloride	7.95	117	51237	6.394	ug/l #	17
49) 1,4-Dioxane	9.43	88	476	9.937	ug/l #	23
51) 4-Methyl-2-Pentanone	10.21	43	5130	1.419	ug/l	95
59) 2-Hexanone	10.98	43	4482	1.756	ug/l	87
76) 1,2,3-Trichloropropane	12.62	75	188601	56.508	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	188601	111.608	ug/l #	12
93) 1,2,4-Trichlorobenzene	15.14	180	9589	1.203	ug/l	96
95) Naphthalene	15.38	128	19695	1.407	ug/l #	92
96) 1,2,3-Trichlorobenzene	15.57	180	8803	1.302	ug/l	95

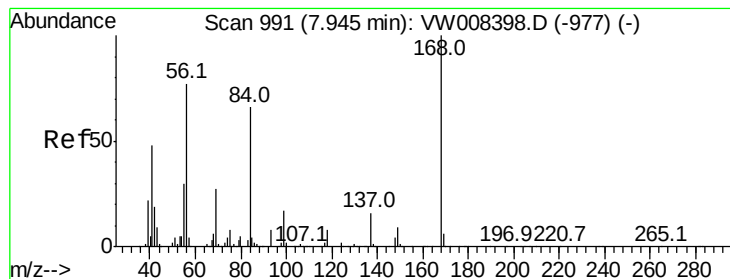
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW008401.D

Acq: 24 Jan 2019 17:25

Instrument :

MSVOA_W

ClientSampled :

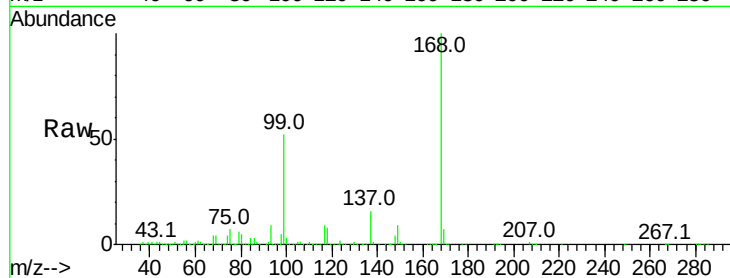
VIBLK

Tgt Ion:168 Resp: 537725

Ion Ratio Lower Upper

168 100

99 52.3 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

250000

200000

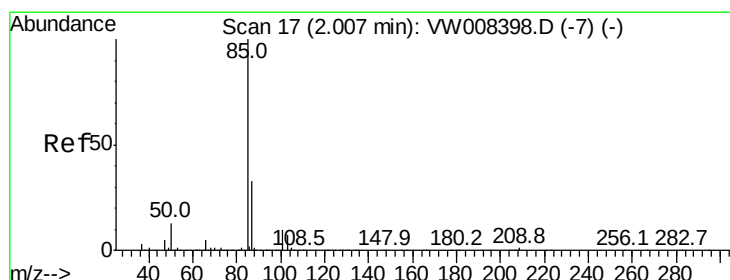
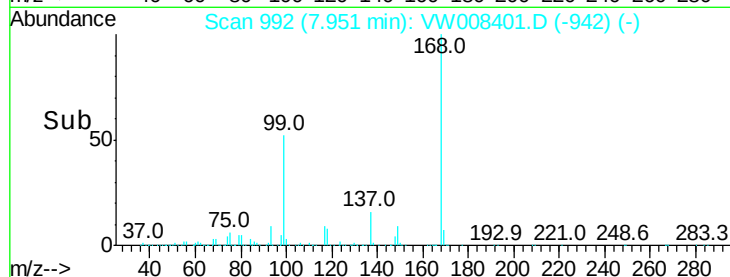
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 3.502 ug/l

RT: 2.02 min Scan# 19

Delta R.T. 0.01 min

Lab File: VW008401.D

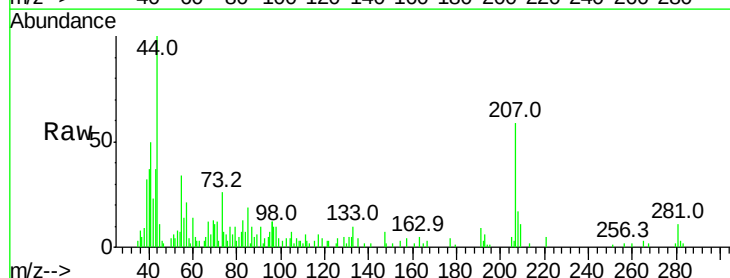
Acq: 24 Jan 2019 17:25

Tgt Ion: 85 Resp: 828

Ion Ratio Lower Upper

85 100

87 50.7 16.7 50.1#



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.02

800

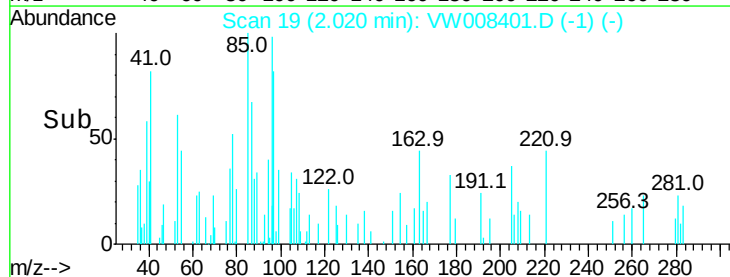
600

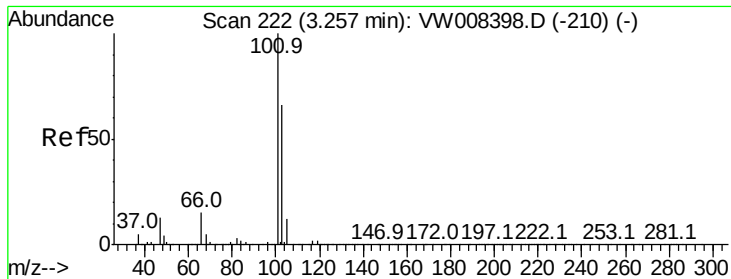
400

200

0

Time--> 1.96 1.98 2.00 2.02 2.04



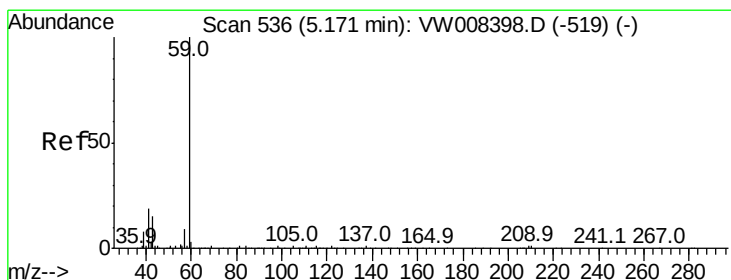
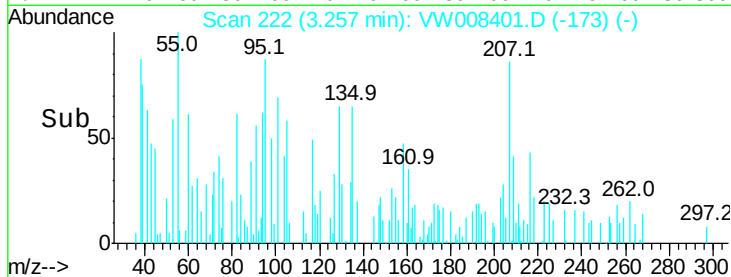
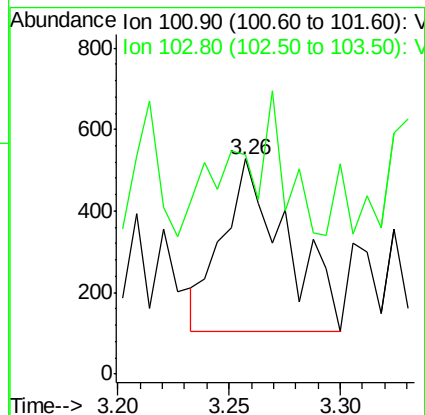
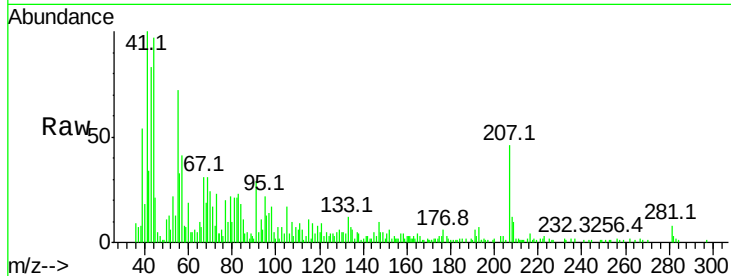


#7

Trichlorofluoromethane
Concen: 4.881 ug/l
RT: 3.26 min Scan# 222
Delta R.T. 0.00 min
Lab File: VW008401.D
Acq: 24 Jan 2019 17:25

Instrument :
MSVOA_W
ClientSampled :
VIBLK

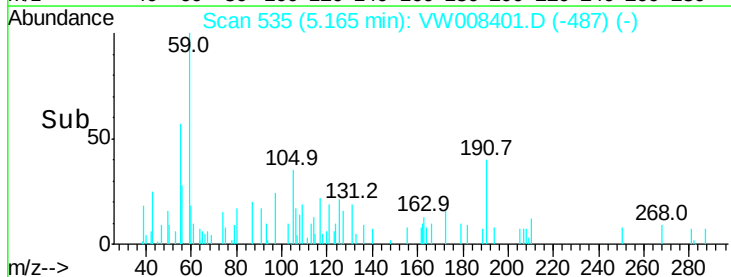
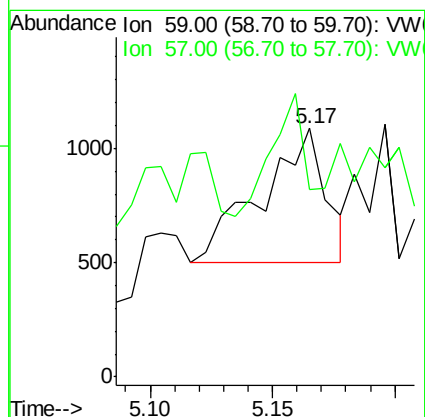
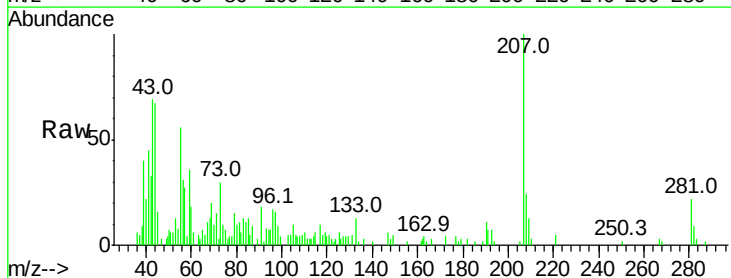
Tgt Ion: 101 Resp: 839
Ion Ratio Lower Upper
101 100
103 27.6 52.5 78.7#

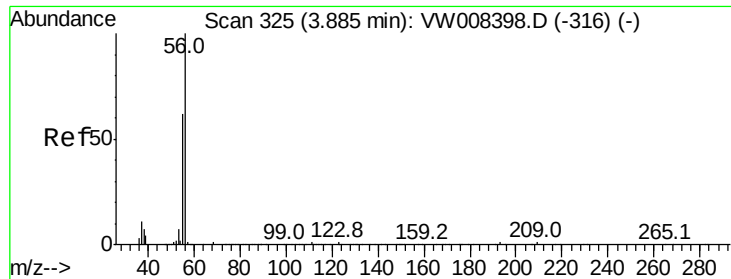


#11

Tert butyl alcohol
Concen: 2.563 ug/l
RT: 5.17 min Scan# 535
Delta R.T. -0.01 min
Lab File: VW008401.D
Acq: 24 Jan 2019 17:25

Tgt Ion: 59 Resp: 1090
Ion Ratio Lower Upper
59 100
57 49.3 9.3 13.9#





#13

Acrolein

Concen: 5.498 ug/l

RT: 3.89 min Scan# 325

Delta R.T. 0.00 min

Lab File: VW008401.D

Acq: 24 Jan 2019 17:25

Instrument :

MSVOA_W

ClientSampled :

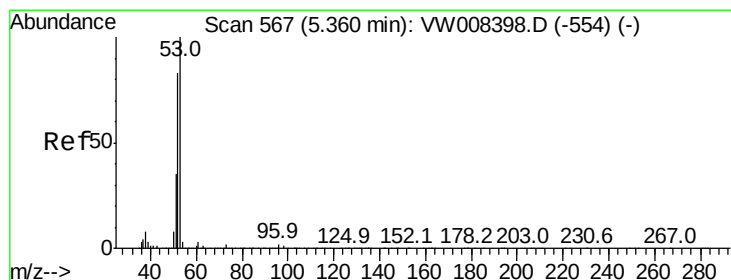
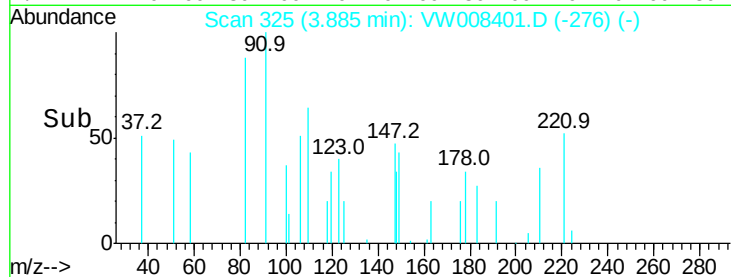
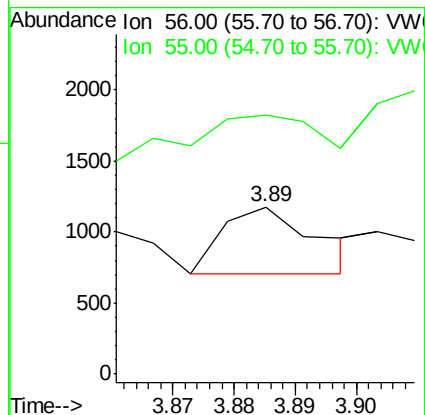
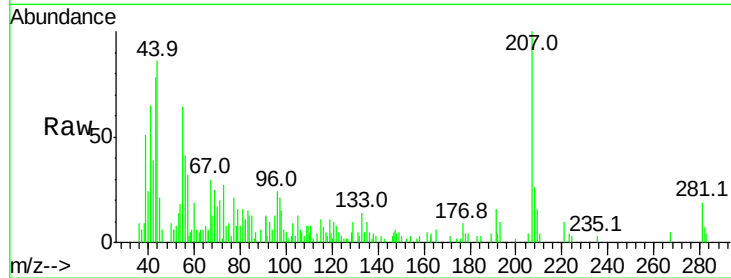
VIBLK

Tgt Ion: 56 Resp: 501

Ion Ratio Lower Upper

56 100

55 198.0 56.7 85.1#



#15

Acrylonitrile

Concen: 1.227 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.01 min

Lab File: VW008401.D

Acq: 24 Jan 2019 17:25

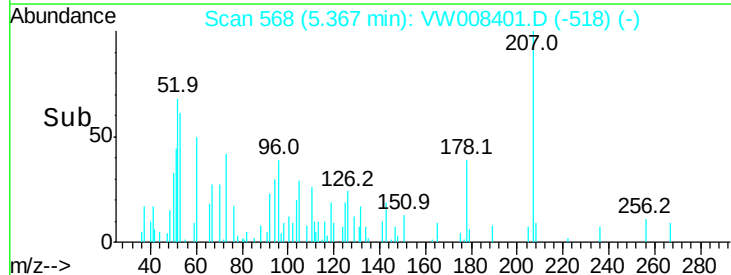
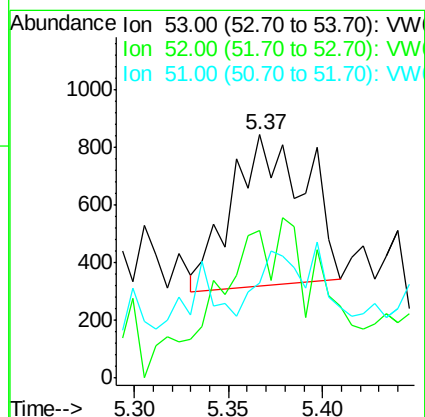
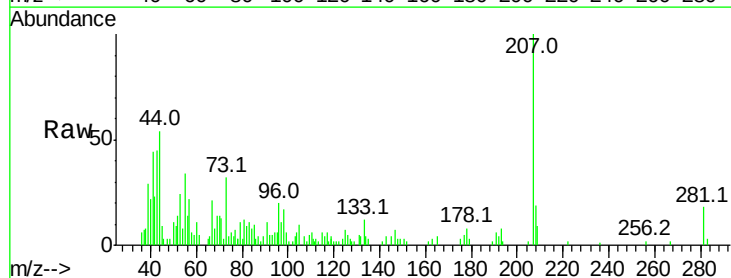
Tgt Ion: 53 Resp: 1421

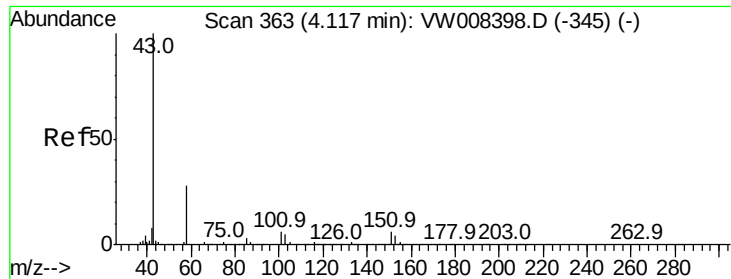
Ion Ratio Lower Upper

53 100

52 46.5 67.0 100.4#

51 23.4 29.8 44.8#





#16

Acetone

Concen: 14.495 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW008401.D

Acq: 24 Jan 2019 17:25

Instrument :

MSVOA_W

ClientSampleId :

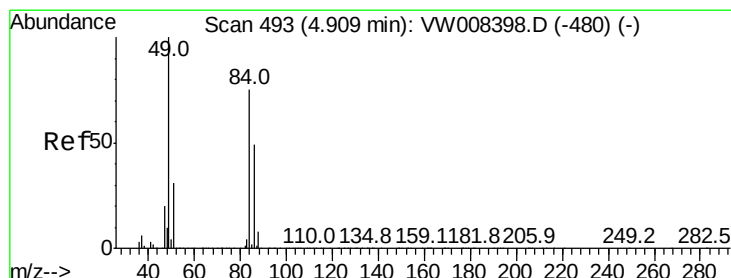
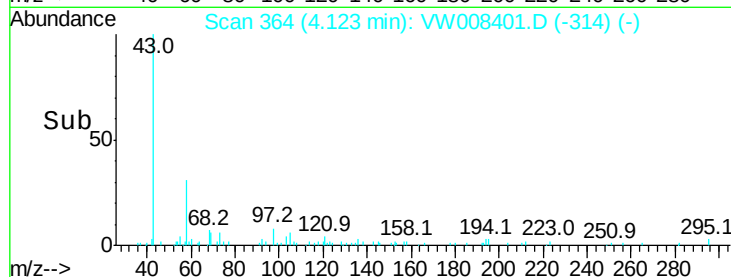
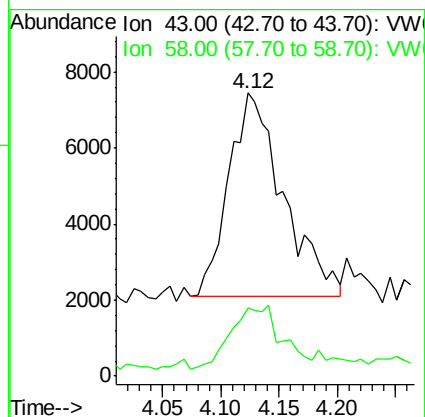
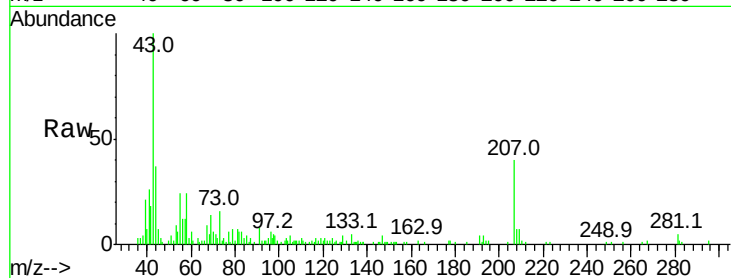
VIBLK

Tgt Ion: 43 Resp: 17195

Ion Ratio Lower Upper

43 100

58 30.3 22.6 34.0



#20

Methylene Chloride

Concen: 1.664 ug/l

RT: 4.91 min Scan# 493

Delta R.T. 0.00 min

Lab File: VW008401.D

Acq: 24 Jan 2019 17:25

Tgt Ion: 84 Resp: 9098

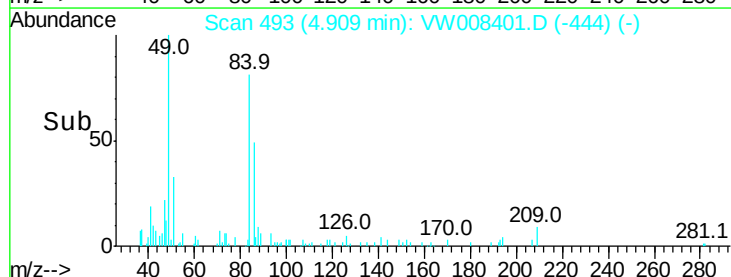
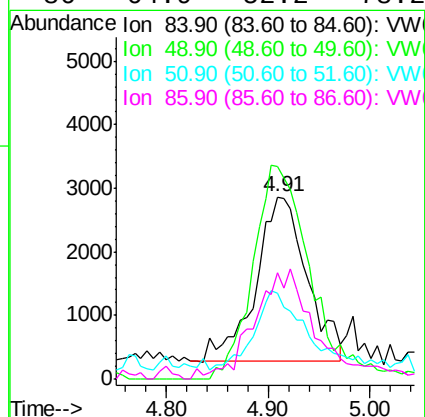
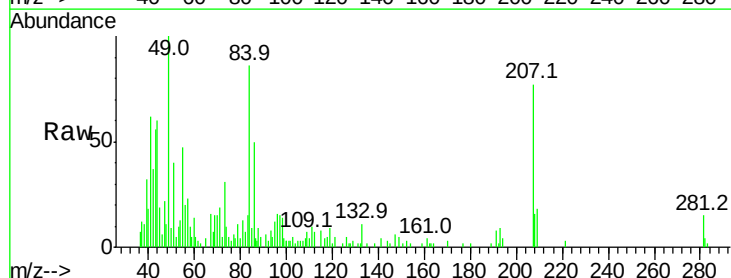
Ion Ratio Lower Upper

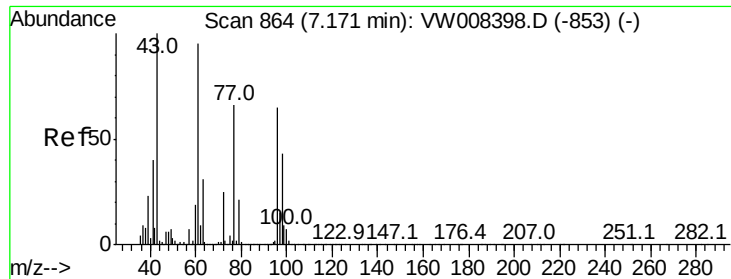
84 100

49 129.2 106.8 160.2

51 44.0 32.9 49.3

86 64.9 52.2 78.2

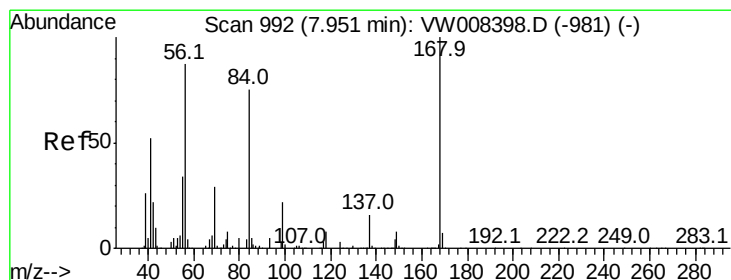
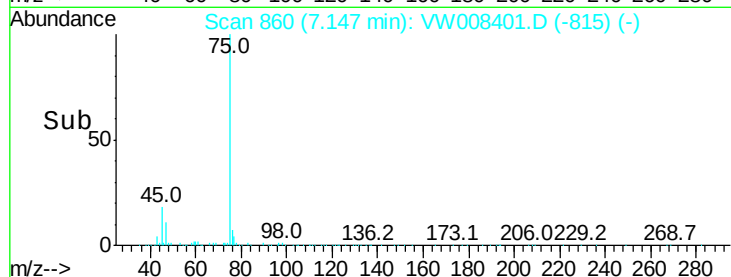
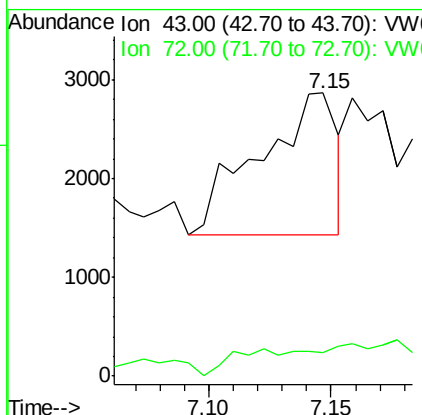
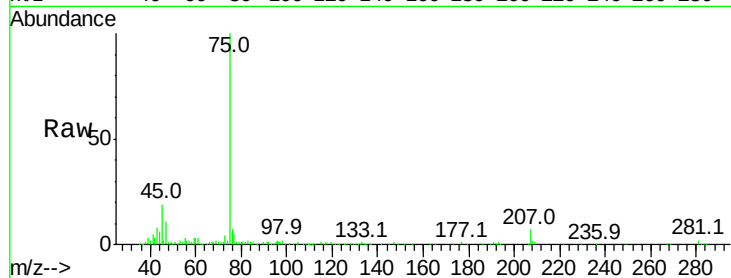




#25
2-Butanone
Concen: 1.923 ug/l
RT: 7.15 min Scan# 860
Delta R.T. -0.02 min
Lab File: VW008401.D
Acq: 24 Jan 2019 17:25

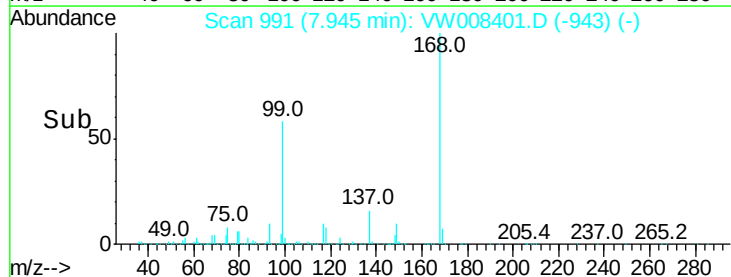
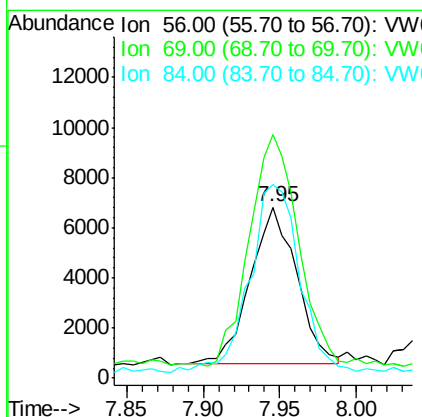
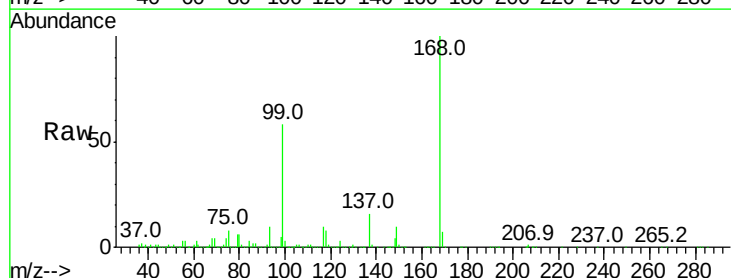
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

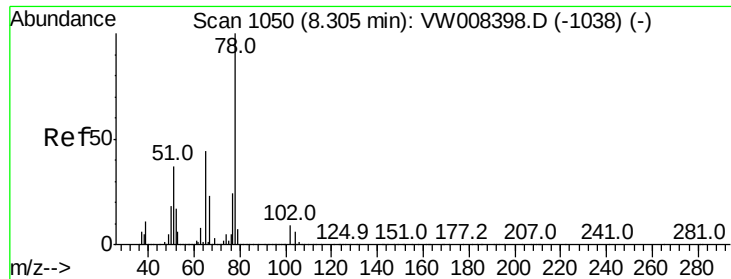
Tgt Ion: 43 Resp: 3168
Ion Ratio Lower Upper
43 100
72 7.3 20.1 30.1#



#31
Cyclohexane
Concen: 1.281 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW008401.D
Acq: 24 Jan 2019 17:25

Tgt Ion: 56 Resp: 13284
Ion Ratio Lower Upper
56 100
69 145.6 26.4 39.6#
84 118.2 69.1 103.7#





#33

1,2-Dichloroethane-d4

Concen: 50.838 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW008401.D

Acq: 24 Jan 2019 17:25

Instrument :

MSVOA_W

ClientSampled :

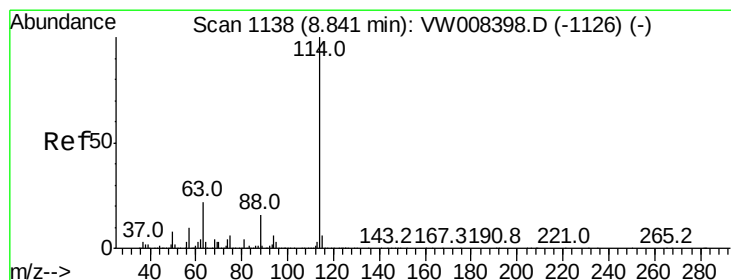
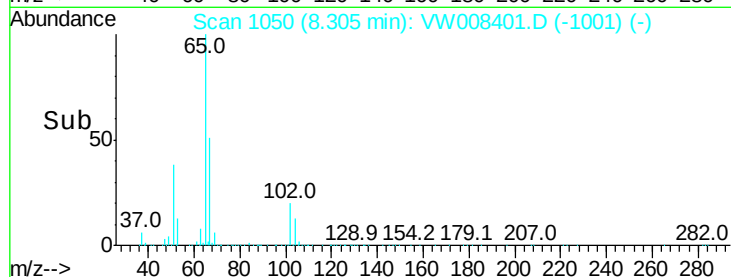
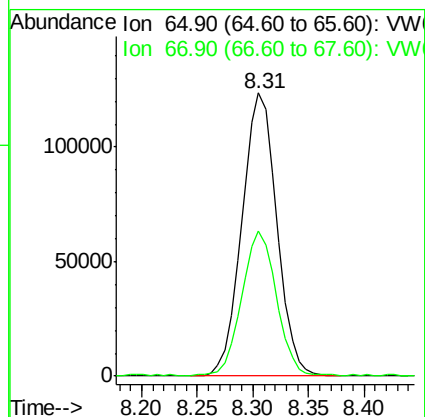
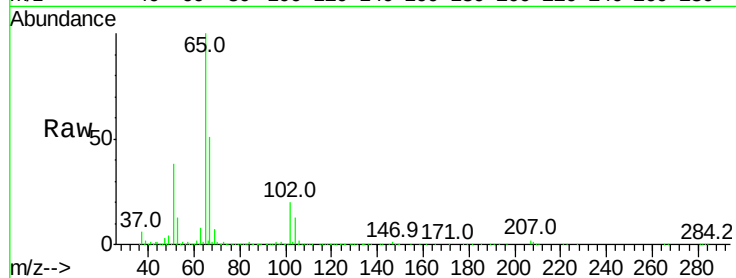
VIBLK

Tgt Ion: 65 Resp: 268560

Ion Ratio Lower Upper

65 100

67 50.6 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: VW008401.D

Acq: 24 Jan 2019 17:25

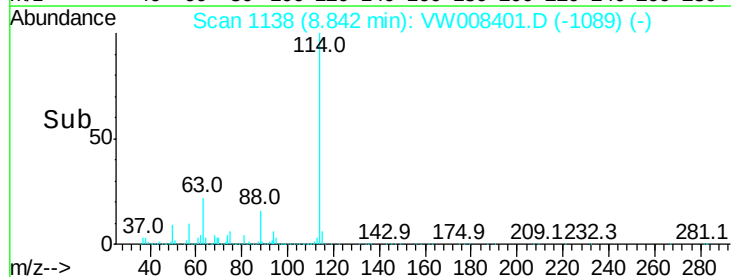
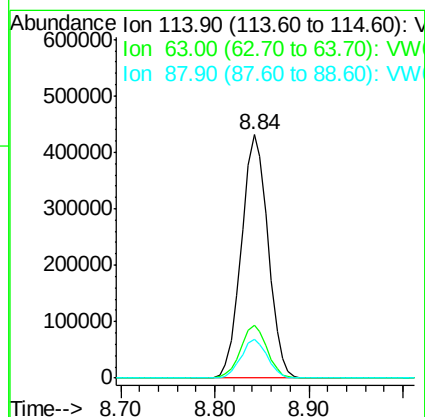
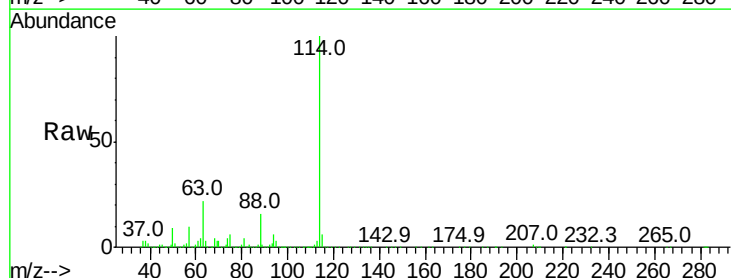
Tgt Ion: 114 Resp: 843075

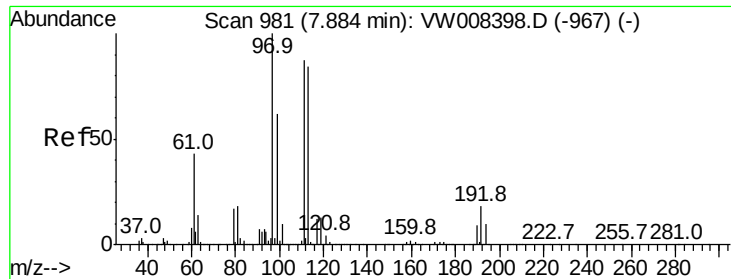
Ion Ratio Lower Upper

114 100

63 21.6 0.0 43.6

88 15.8 0.0 31.8

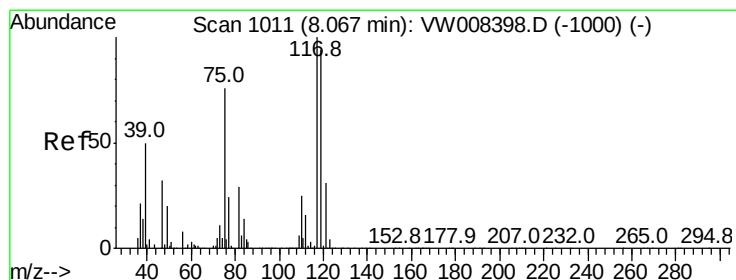
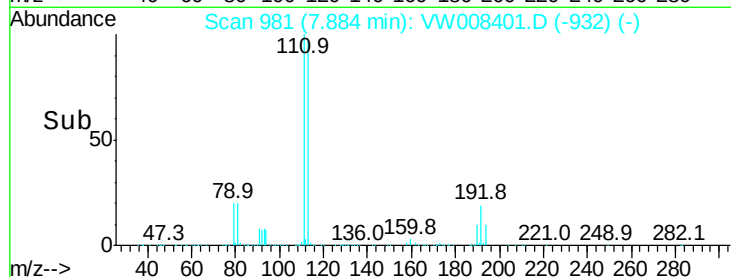
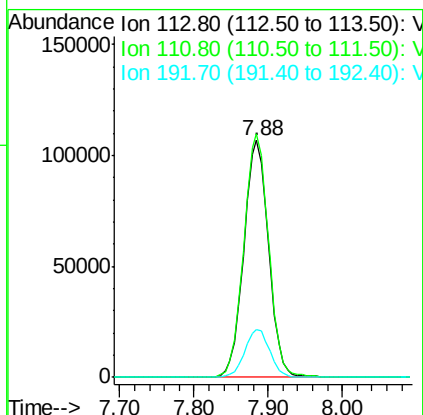
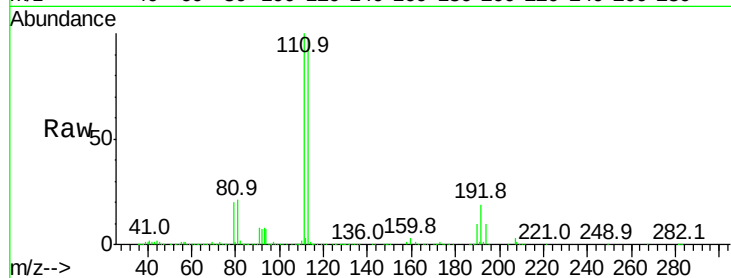




#35
 Dibromofluoromethane
 Concen: 50.794 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW008401.D
 Acq: 24 Jan 2019 17:25

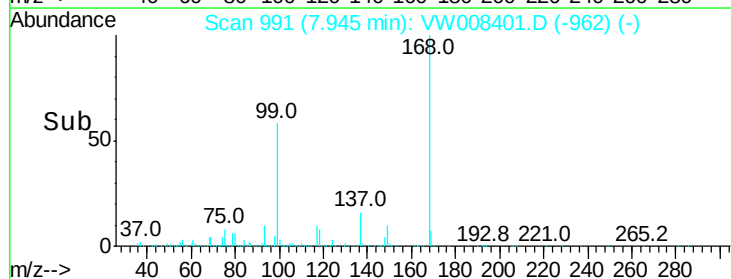
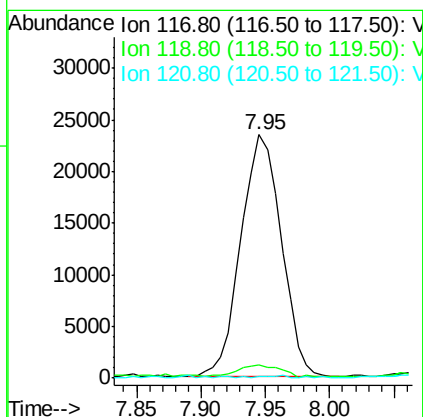
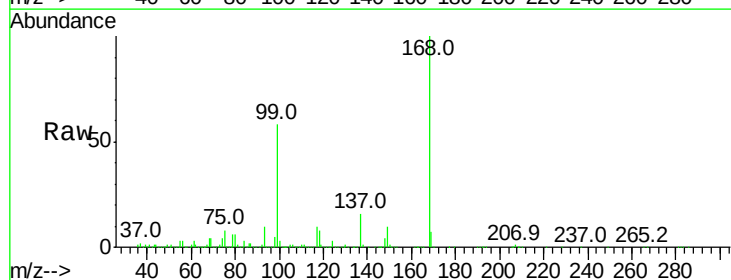
Instrument :
 MSVOA_W
 ClientSampled :
 VIBLK

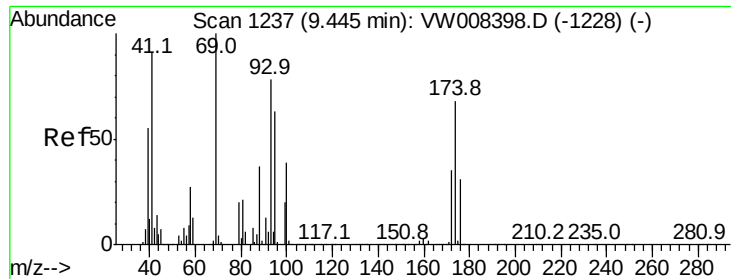
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.5	81.0	121.4
192	20.4	16.8	25.2



#38
 Carbon Tetrachloride
 Concen: 6.394 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW008401.D
 Acq: 24 Jan 2019 17:25

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.9	75.0	112.4#
121	0.1	24.9	37.3#

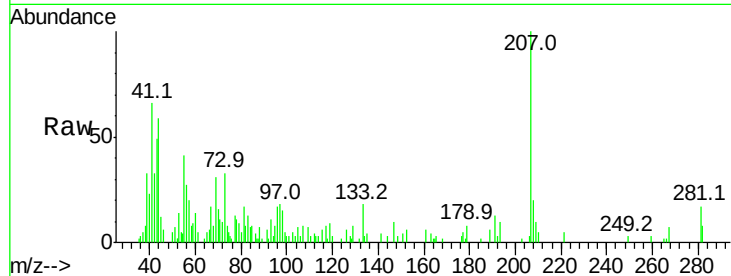




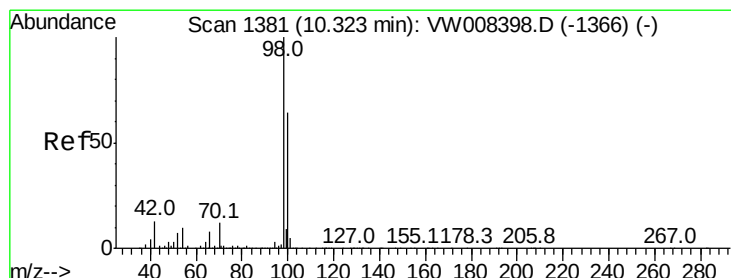
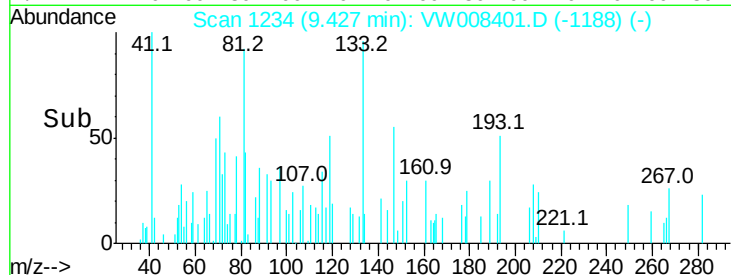
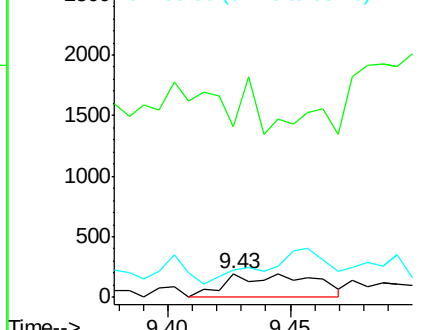
#49
1,4-Dioxane
Concen: 9.937 ug/l
RT: 9.43 min Scan# 1234
Delta R.T. -0.02 min
Lab File: VW008401.D
Acq: 24 Jan 2019 17:25

Instrument :
MSVOA_W
ClientSampled :
VIBLK

Tgt Ion: 88 Resp: 476
Ion Ratio Lower Upper
88 100
43 0.0 29.0 43.4#
58 0.0 56.4 84.6#

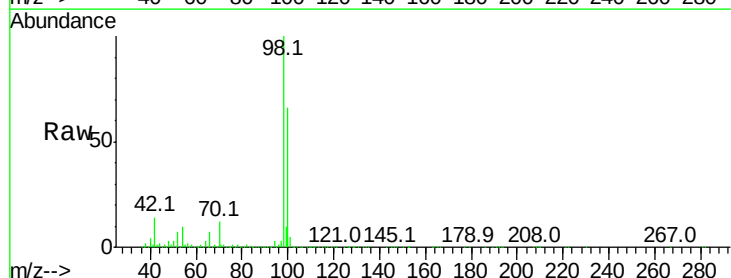


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

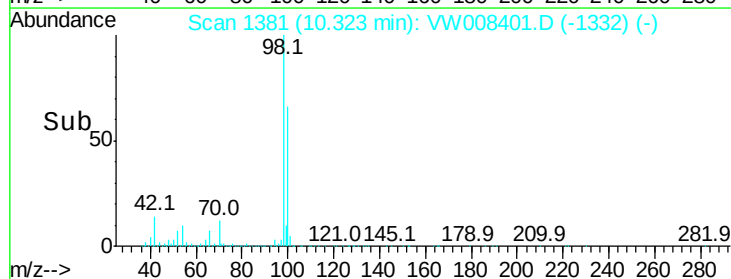
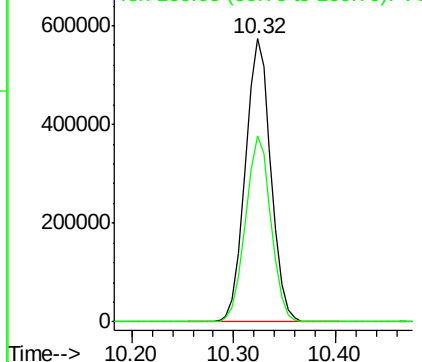


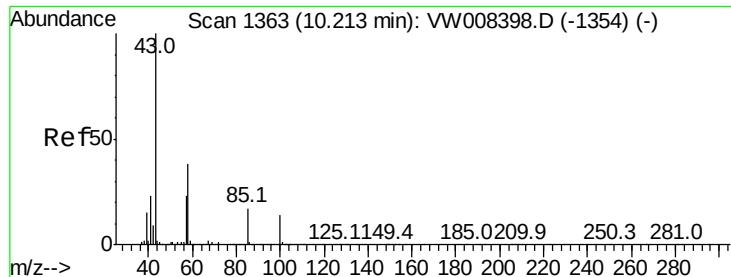
#50
Toluene-d8
Concen: 50.302 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008401.D
Acq: 24 Jan 2019 17:25

Tgt Ion: 98 Resp: 994401
Ion Ratio Lower Upper
98 100
100 65.6 52.6 78.8



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW

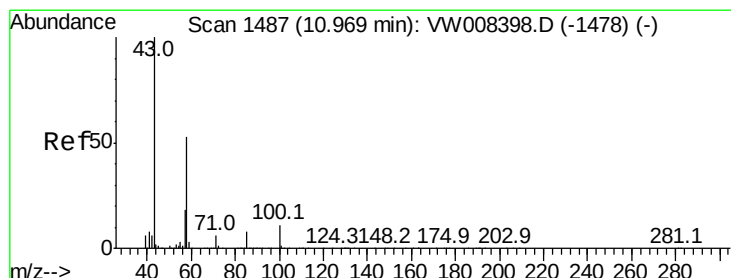
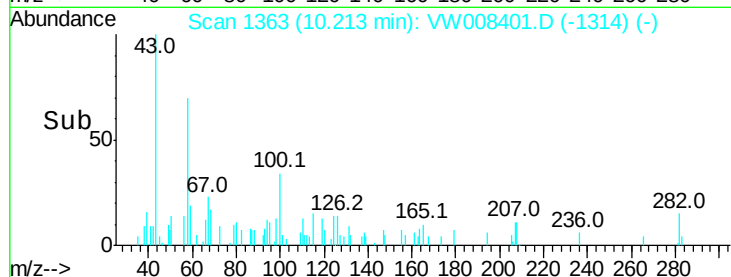
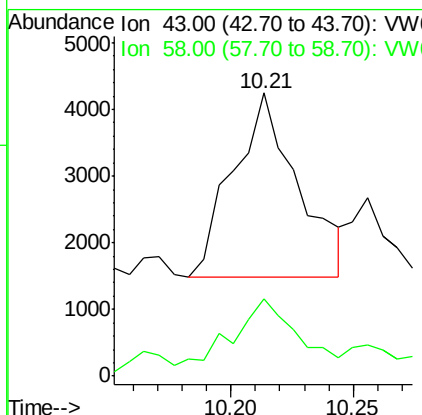
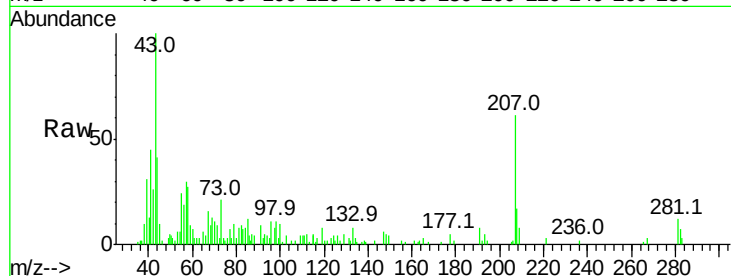




#51
 4-Methyl-2-Pentanone
 Concen: 1.419 ug/l
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VW008401.D
 Acq: 24 Jan 2019 17:25

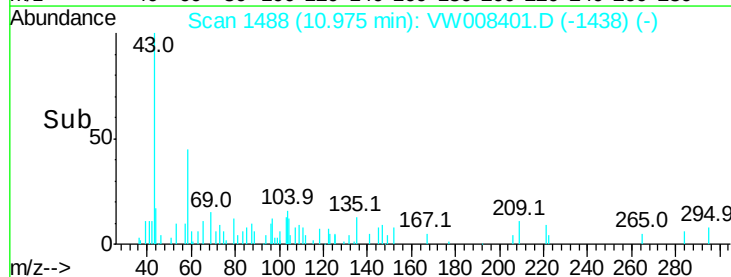
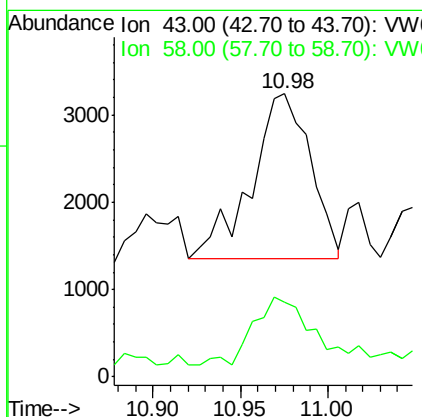
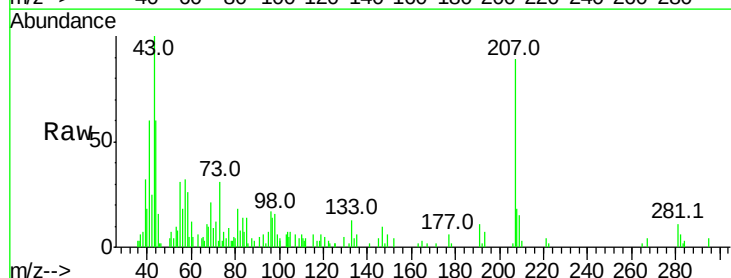
Instrument :
 MSVOA_W
 ClientSampleID :
 VIBLK

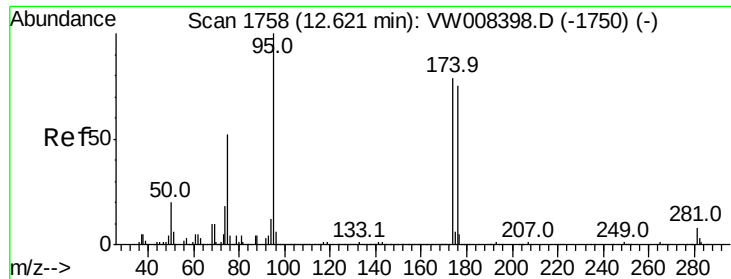
Tgt Ion: 43 Resp: 5130
 Ion Ratio Lower Upper
 43 100
 58 34.0 29.7 44.5



#59
 2-Hexanone
 Concen: 1.756 ug/l
 RT: 10.98 min Scan# 1488
 Delta R.T. 0.01 min
 Lab File: VW008401.D
 Acq: 24 Jan 2019 17:25

Tgt Ion: 43 Resp: 4482
 Ion Ratio Lower Upper
 43 100
 58 42.5 25.9 77.7

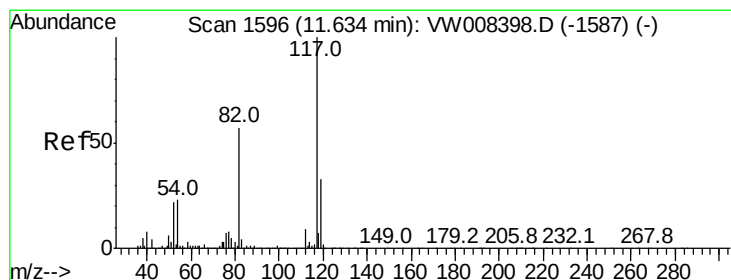
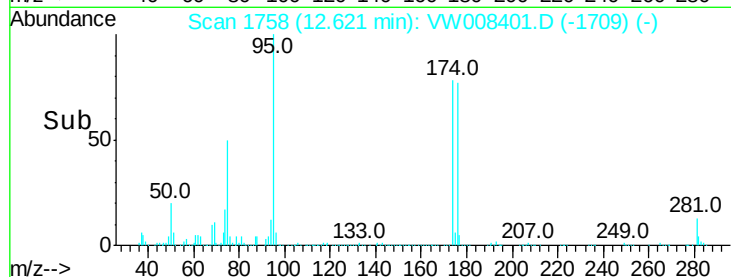
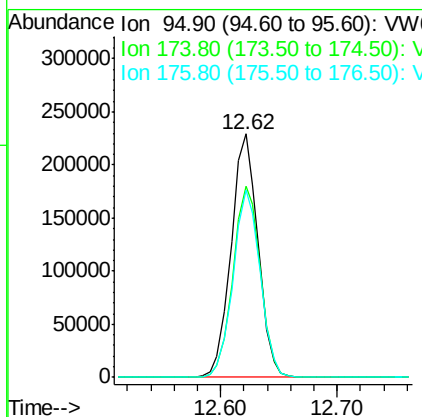
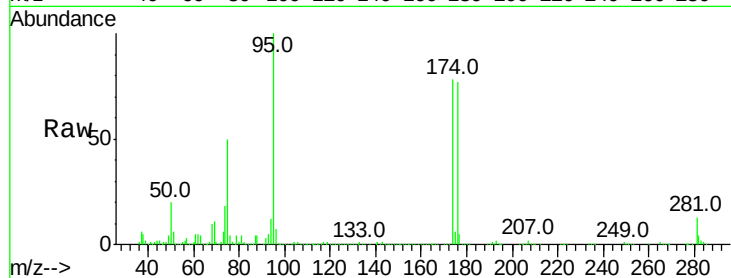




#62
4-Bromofluorobenzene
Concen: 48.209 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW008401.D
Acq: 24 Jan 2019 17:25

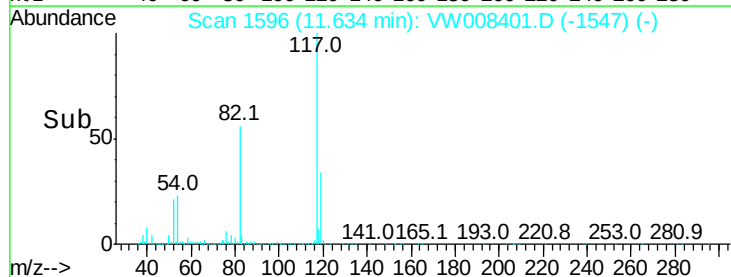
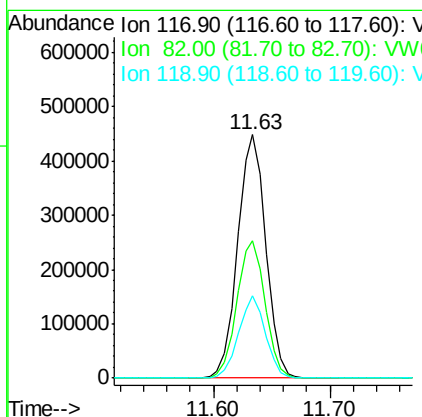
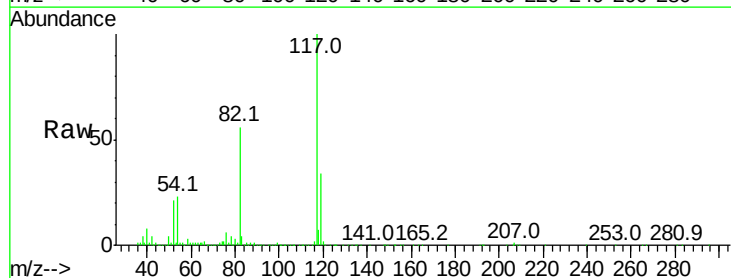
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

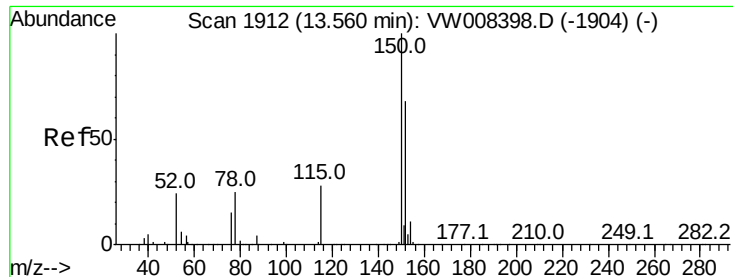
Tgt Ion: 95 Resp: 366324
Ion Ratio Lower Upper
95 100
174 80.4 0.0 157.6
176 77.8 0.0 151.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008401.D
Acq: 24 Jan 2019 17:25

Tgt Ion: 117 Resp: 753567
Ion Ratio Lower Upper
117 100
82 56.1 45.4 68.0
119 33.6 26.2 39.4

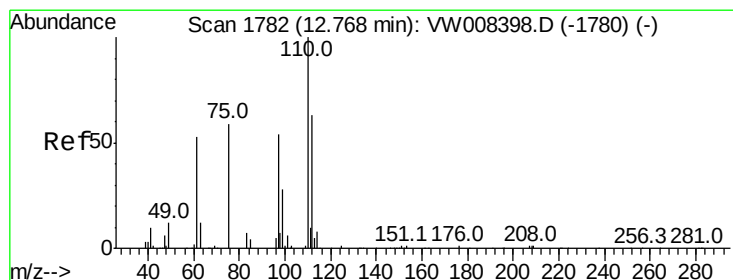
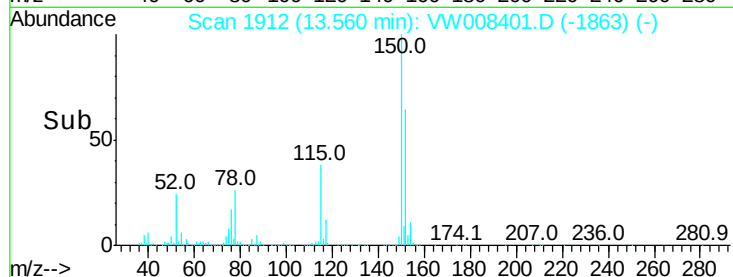
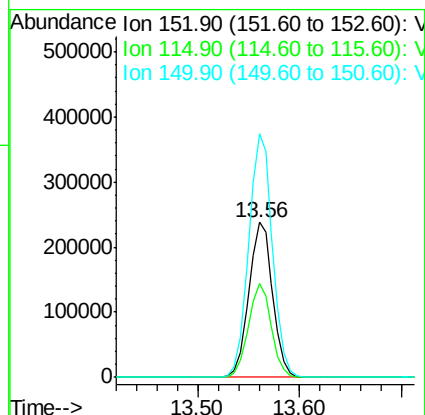
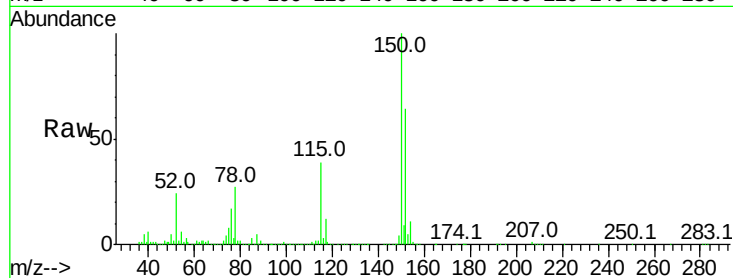




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.56 min Scan# 1912
 Delta R.T. 0.00 min
 Lab File: VW008401.D
 Acq: 24 Jan 2019 17:25

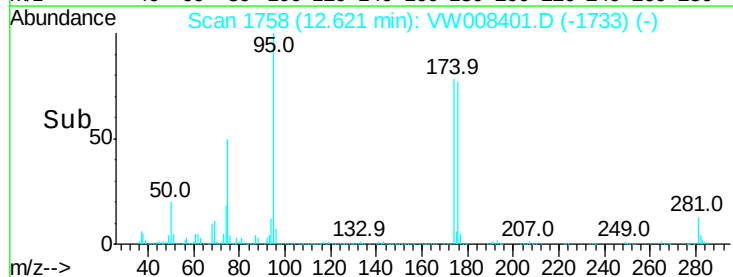
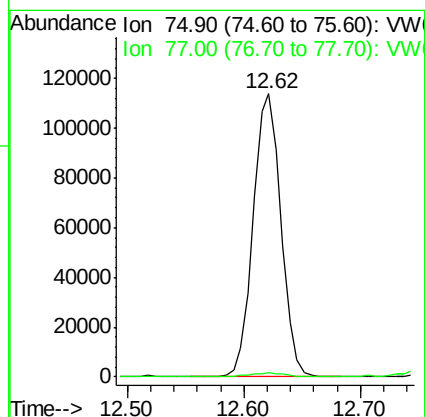
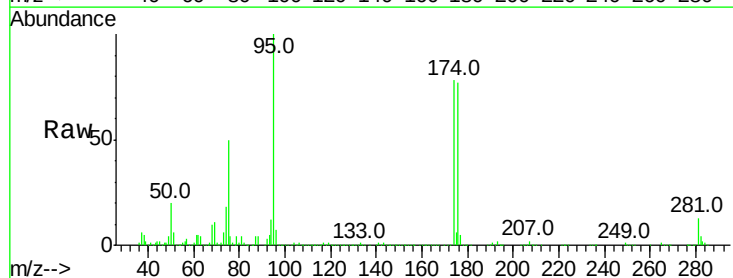
Instrument :
 MSVOA_W
 ClientSampleId :
 VIBLK

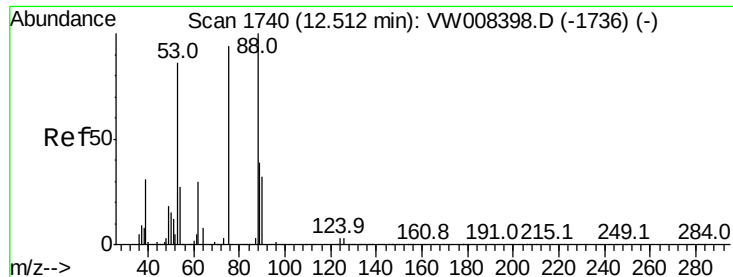
Tgt Ion: 152 Resp: 383881
 Ion Ratio Lower Upper
 152 100
 115 58.4 29.9 89.7
 150 156.6 0.0 351.4



#76
 1,2,3-Trichloropropane
 Concen: 56.508 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.15 min
 Lab File: VW008401.D
 Acq: 24 Jan 2019 17:25

Tgt Ion: 75 Resp: 188601
 Ion Ratio Lower Upper
 75 100
 77 1.6 180.7 542.1#





#81

trans-1,4-Dichloro-2-butene

Concen: 111.608 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW008401.D

Acq: 24 Jan 2019 17:25

Instrument :

MSVOA_W

ClientSampled :

VIBLK

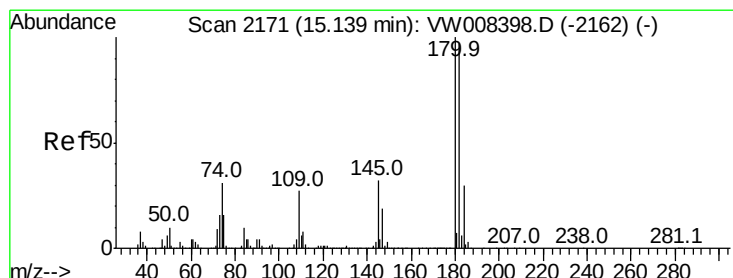
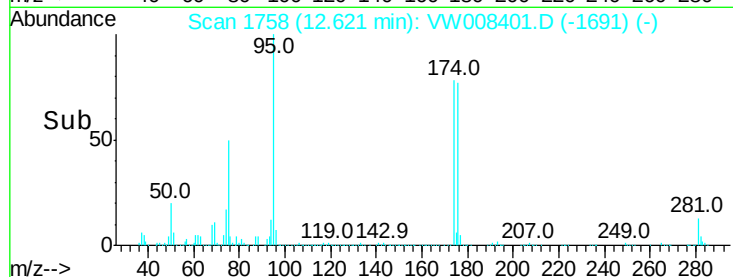
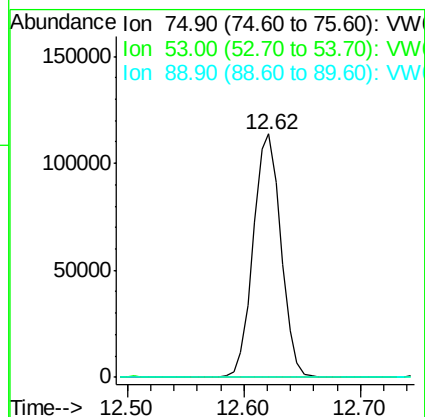
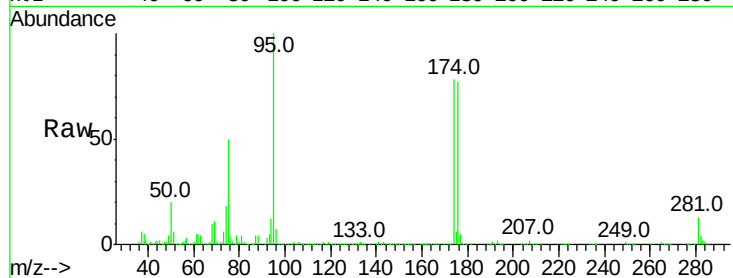
Tgt Ion: 75 Resp: 188601

Ion Ratio Lower Upper

75 100

53 0.2 76.0 114.0#

89 0.3 35.4 53.0#



#93

1,2,4-Trichlorobenzene

Concen: 1.203 ug/l

RT: 15.14 min Scan# 2171

Delta R.T. 0.00 min

Lab File: VW008401.D

Acq: 24 Jan 2019 17:25

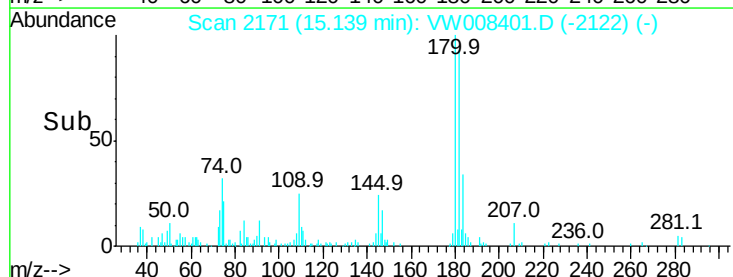
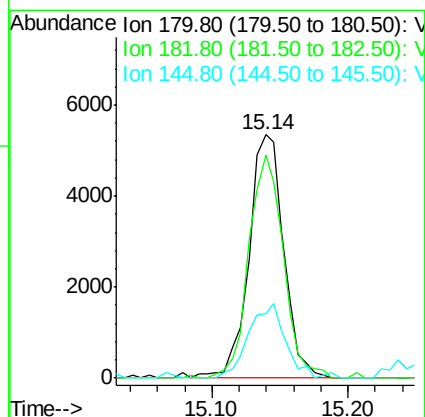
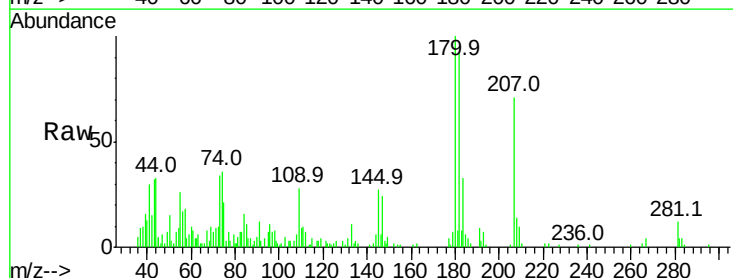
Tgt Ion: 180 Resp: 9589

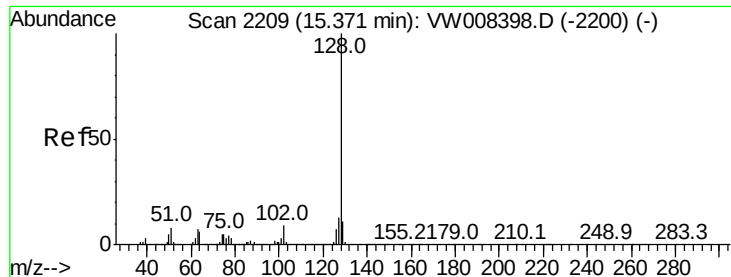
Ion Ratio Lower Upper

180 100

182 91.4 47.9 143.7

145 32.3 15.5 46.5

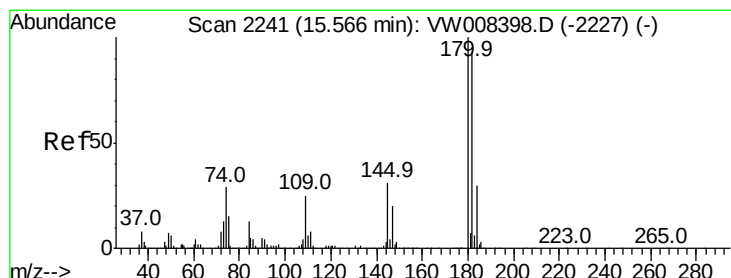
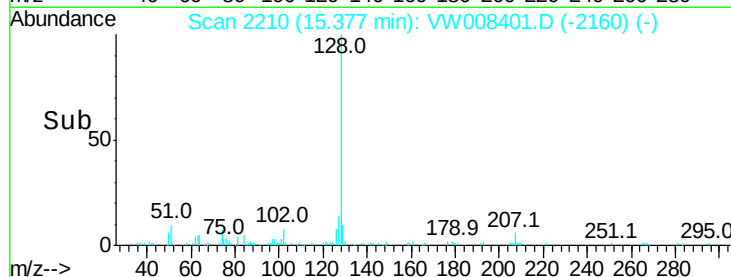
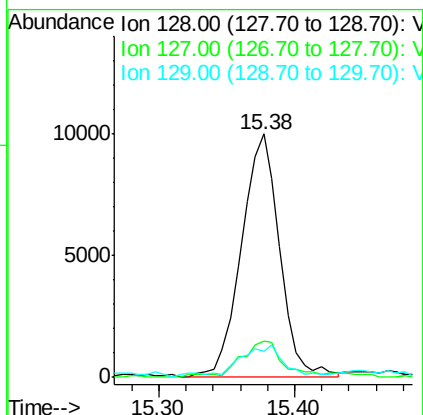
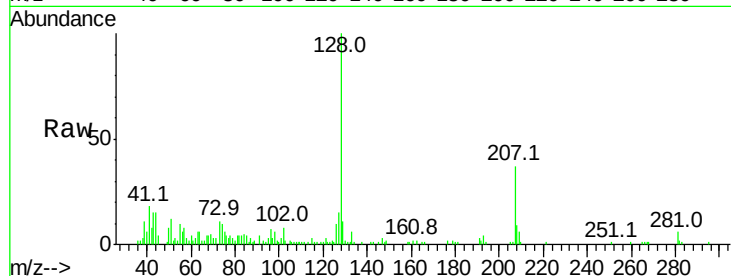




#95
Naphthalene
Concen: 1.407 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.01 min
Lab File: VW008401.D
Acq: 24 Jan 2019 17:25

Instrument :
MSVOA_W
ClientSampleId :
VIBLK

Tgt Ion:128 Resp: 19695
Ion Ratio Lower Upper
128 100
127 16.4 10.6 15.8#
129 13.7 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 1.302 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. 0.00 min
Lab File: VW008401.D
Acq: 24 Jan 2019 17:25

Tgt Ion:180 Resp: 8803
Ion Ratio Lower Upper
180 100
182 96.4 47.0 141.2
145 38.3 15.9 47.6

