

Data File : VW008467.D
Acq On : 30 Jan 2019 15:51
Operator : SY/VA
Sample : K1282-21
Misc : 3.85G/5ML/MSVOA_W/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
TP-6

Quant Time: Jan 31 00:28:01 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	362321	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	554373	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	401687	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	116384	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	180111	50.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.20%	
35) Dibromofluoromethane	7.88	113	179807	55.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.94%	
50) Toluene-d8	10.32	98	640271	49.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.52%	
62) 4-Bromofluorobenzene	12.62	95	154475	30.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	61.84%	

Target Compounds

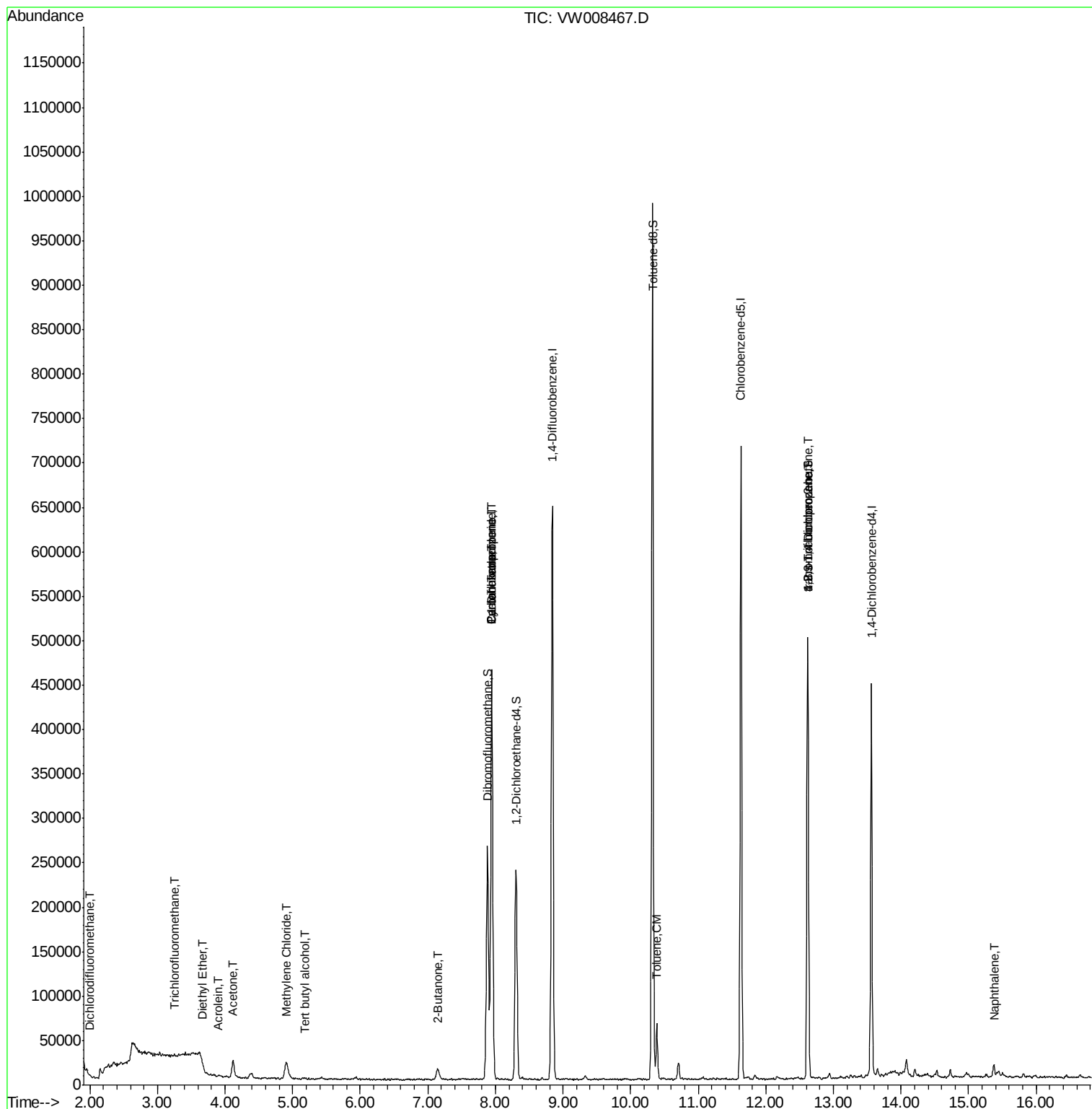
						Qvalue
2) Dichlorodifluoromethane	2.01	85	165	3.326	ug/l	97
7) Trichlorofluoromethane	3.26	101	88	4.749	ug/l #	1
8) Diethyl Ether	3.67	74	2800	1.550	ug/l	89
11) Tert butyl alcohol	5.18	59	1402	4.892	ug/l #	52
13) Acrolein	3.89	56	104	4.590	ug/l #	60
16) Acetone	4.12	43	31713	39.674	ug/l	98
20) Methylene Chloride	4.91	84	15815	4.293	ug/l #	84
25) 2-Butanone	7.15	43	1655	1.491	ug/l #	50
31) Cyclohexane	7.94	56	7654	1.096	ug/l #	19
36) 1,1-Dichloropropene	7.95	75	25834	4.933	ug/l #	51
38) Carbon Tetrachloride	7.95	117	34033	6.458	ug/l #	16
52) Toluene	10.38	92	26549	2.768	ug/l	97
76) 1,2,3-Trichloropropane	12.62	75	77497	76.587	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	77497	151.266	ug/l #	12
95) Naphthalene	15.38	128	11296	2.662	ug/l #	90

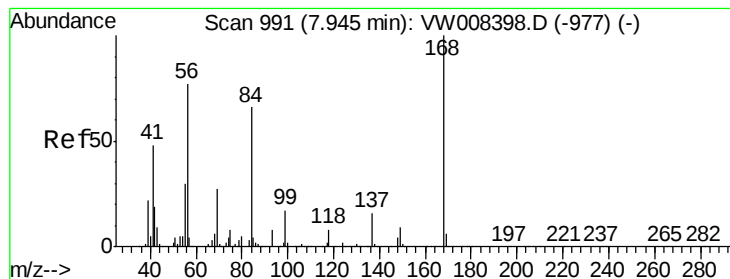
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW008467.D

Acq: 30 Jan 2019 15:51

Instrument :

MSVOA_W

ClientSampled :

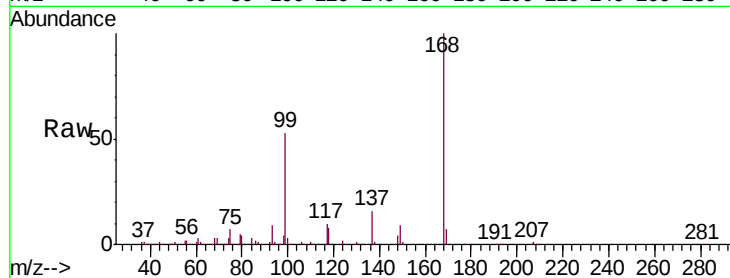
TP-6

Tgt Ion: 168 Resp: 362321

Ion Ratio Lower Upper

168 100

99 52.6 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

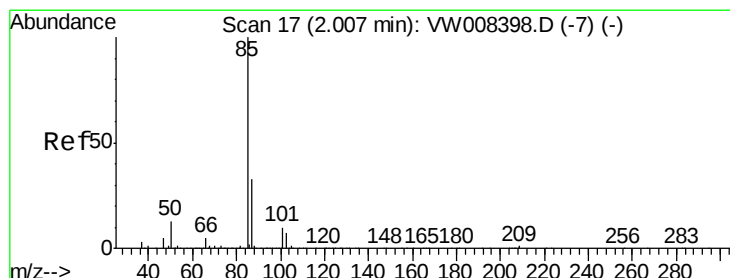
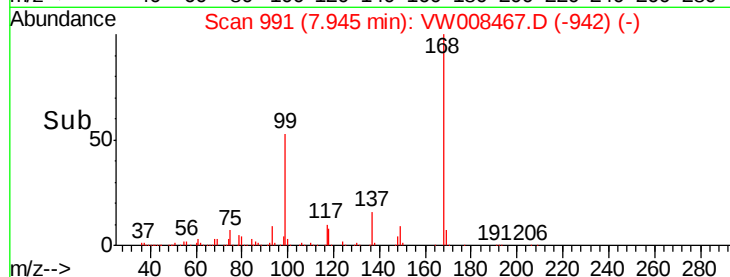
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 3.326 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW008467.D

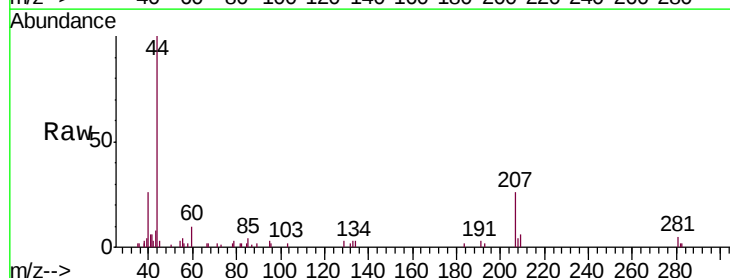
Acq: 30 Jan 2019 15:51

Tgt Ion: 85 Resp: 165

Ion Ratio Lower Upper

85 100

87 31.6 16.7 50.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

200

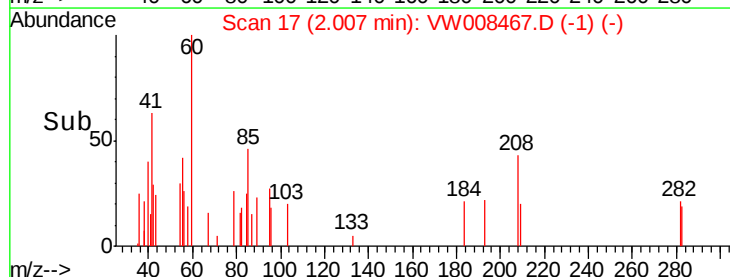
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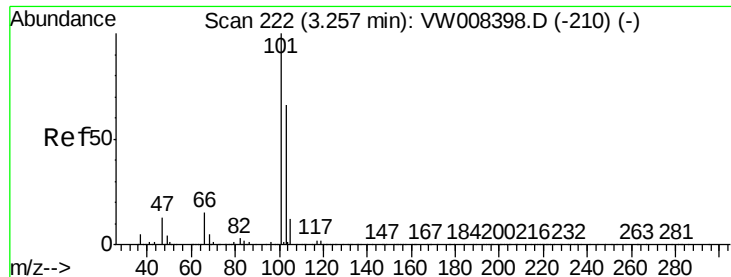
100

50

0

Time-->



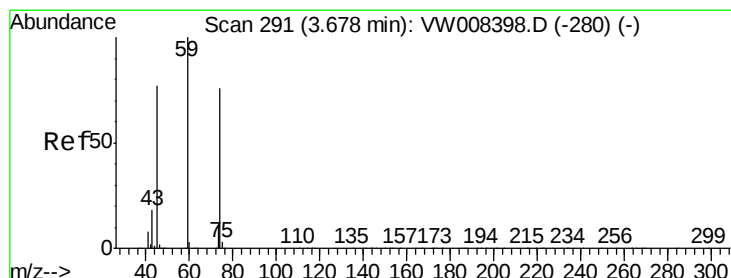
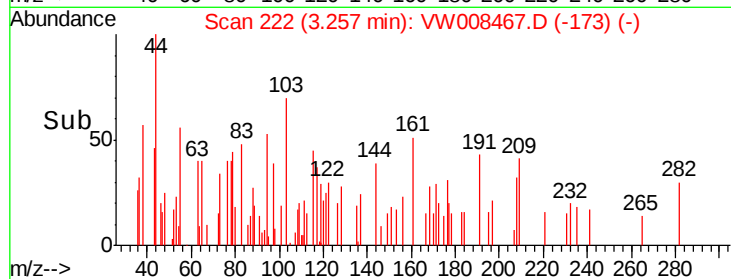
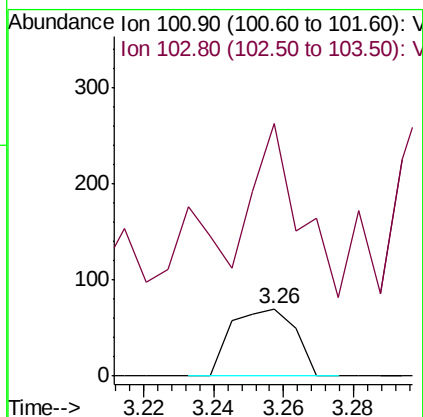
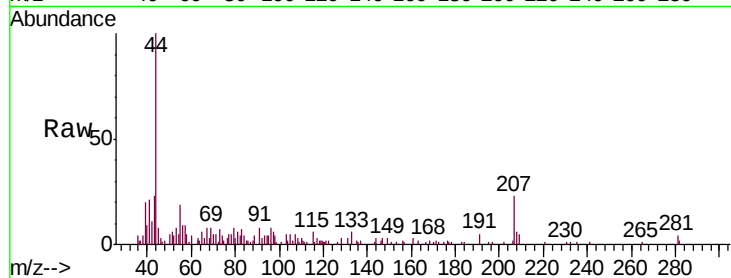


#7

Trichlorofluoromethane
Concen: 4.749 ug/l
RT: 3.26 min Scan# 222
Delta R.T. 0.00 min
Lab File: VW008467.D
Acq: 30 Jan 2019 15:51

Instrument :
MSVOA_W
ClientSampled :
TP-6

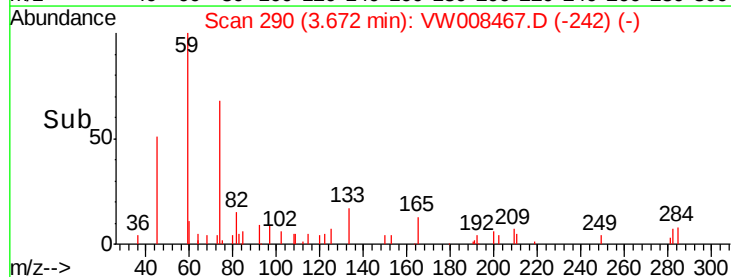
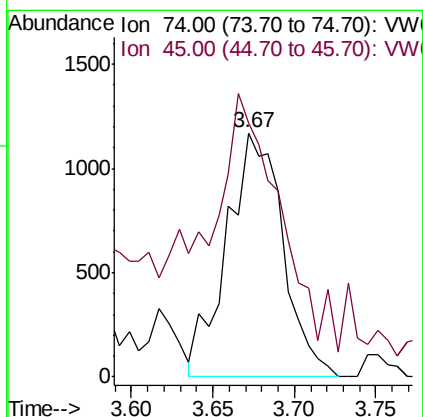
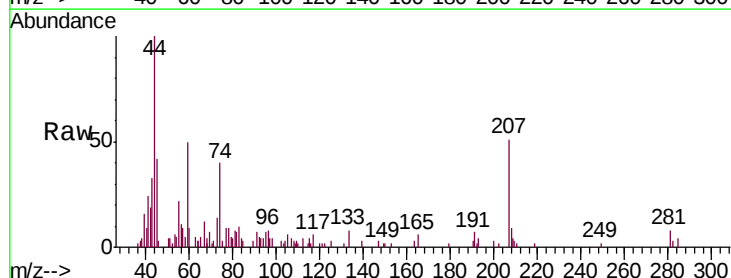
Tgt Ion: 101 Resp: 88
Ion Ratio Lower Upper
101 100
103 260.0 52.5 78.7#

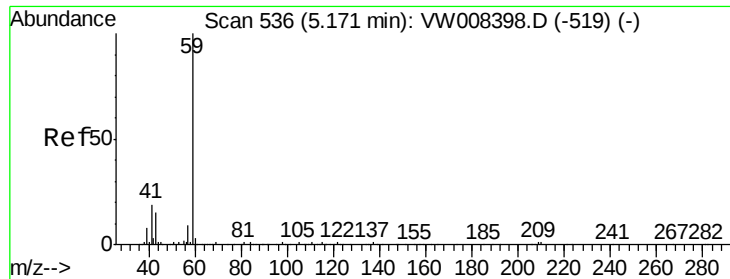


#8

Diethyl Ether
Concen: 1.550 ug/l
RT: 3.67 min Scan# 290
Delta R.T. -0.01 min
Lab File: VW008467.D
Acq: 30 Jan 2019 15:51

Tgt Ion: 74 Resp: 2800
Ion Ratio Lower Upper
74 100
45 92.2 51.7 155.2

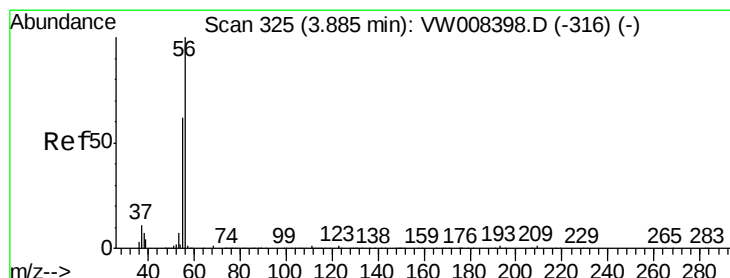
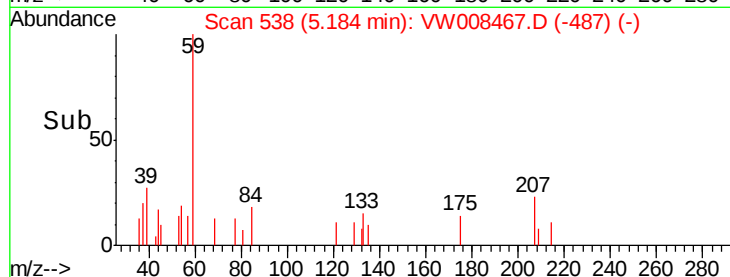
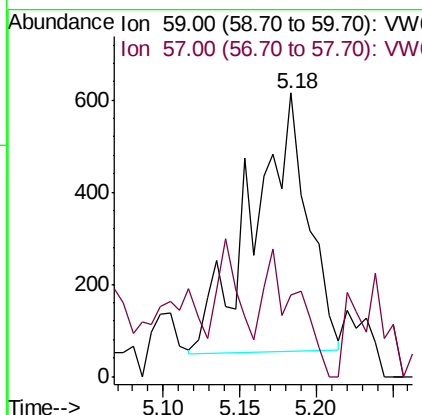
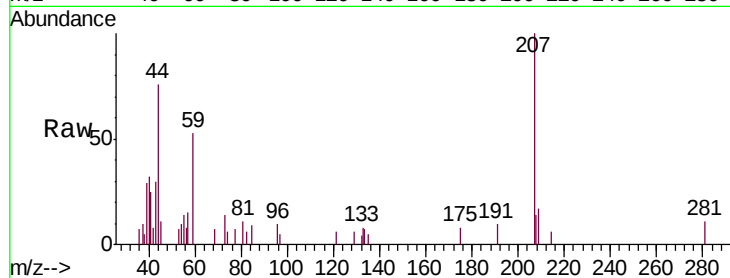




#11
Tert butyl alcohol
Concen: 4.892 ug/l
RT: 5.18 min Scan# 538
Delta R.T. 0.01 min
Lab File: VW008467.D
Acq: 30 Jan 2019 15:51

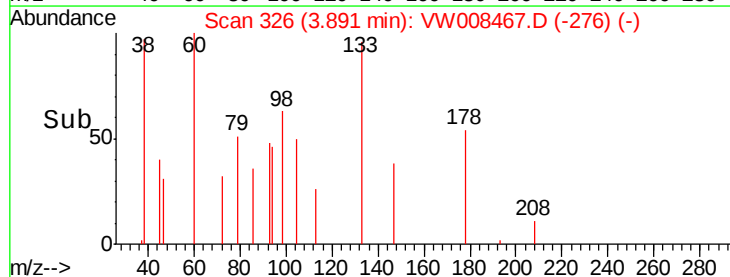
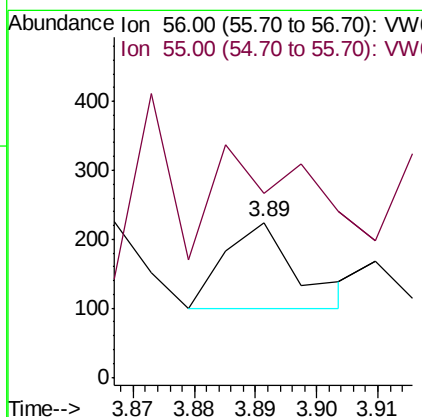
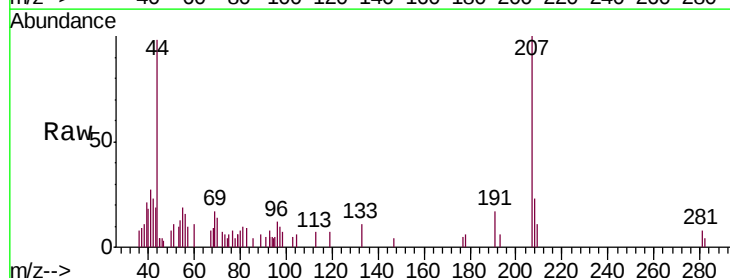
Instrument :
MSVOA_W
ClientSampled :
TP-6

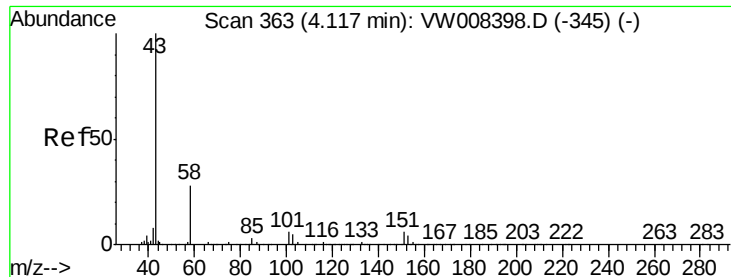
Tgt Ion: 59 Resp: 1402
Ion Ratio Lower Upper
59 100
57 30.1 9.3 13.9#



#13
Acrolein
Concen: 4.590 ug/l
RT: 3.89 min Scan# 326
Delta R.T. 0.01 min
Lab File: VW008467.D
Acq: 30 Jan 2019 15:51

Tgt Ion: 56 Resp: 104
Ion Ratio Lower Upper
56 100
55 103.8 56.7 85.1#





#16

Acetone

Concen: 39.674 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW008467.D

Acq: 30 Jan 2019 15:51

Instrument :

MSVOA_W

ClientSampleId :

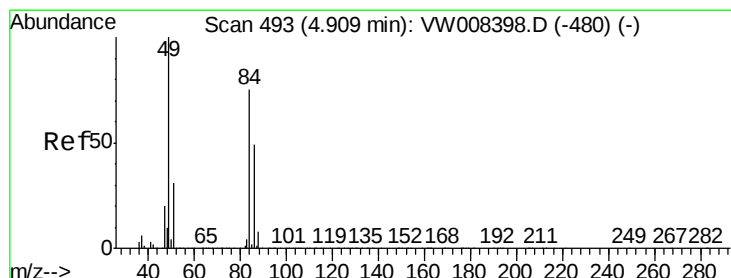
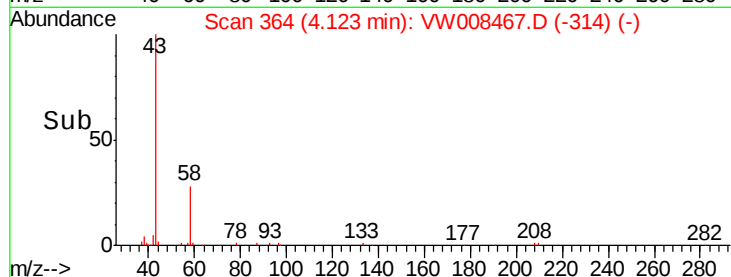
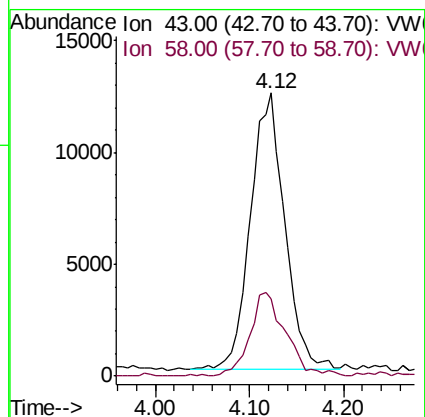
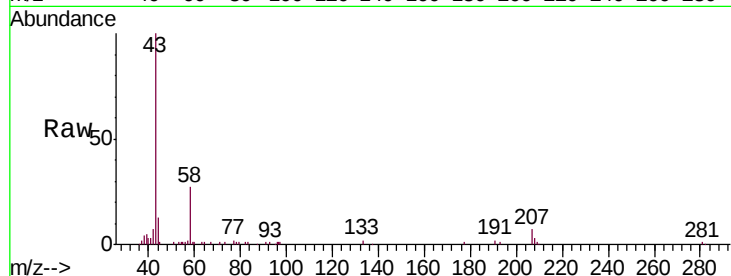
TP-6

Tgt Ion: 43 Resp: 31713

Ion Ratio Lower Upper

43 100

58 27.3 22.6 34.0



#20

Methylene Chloride

Concen: 4.293 ug/l

RT: 4.91 min Scan# 493

Delta R.T. 0.00 min

Lab File: VW008467.D

Acq: 30 Jan 2019 15:51

Tgt Ion: 84 Resp: 15815

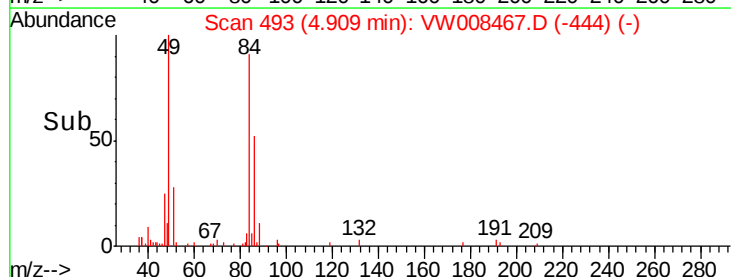
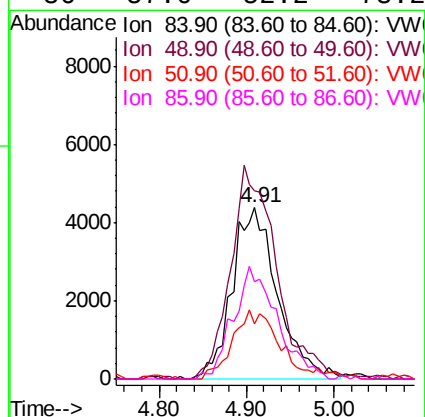
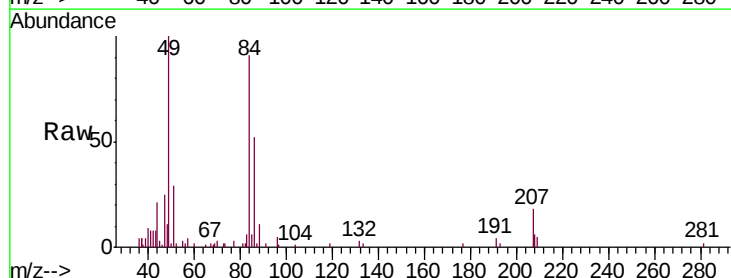
Ion Ratio Lower Upper

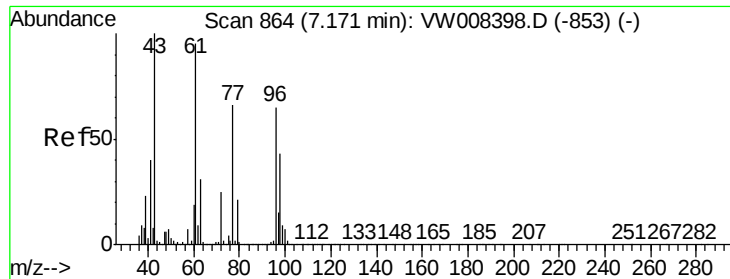
84 100

49 110.1 106.8 160.2

51 32.4 32.9 49.3#

86 57.0 52.2 78.2

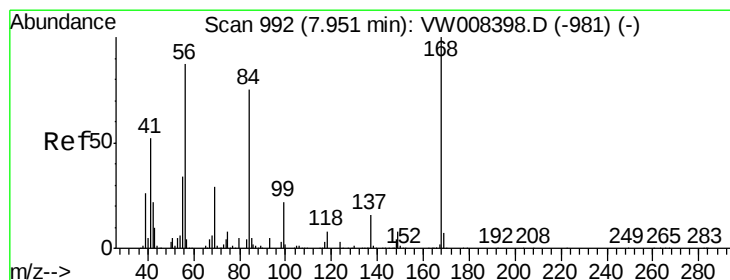
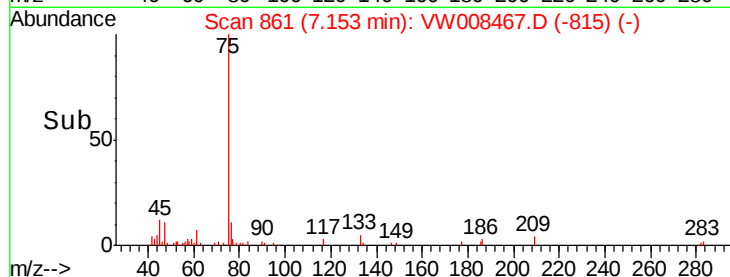
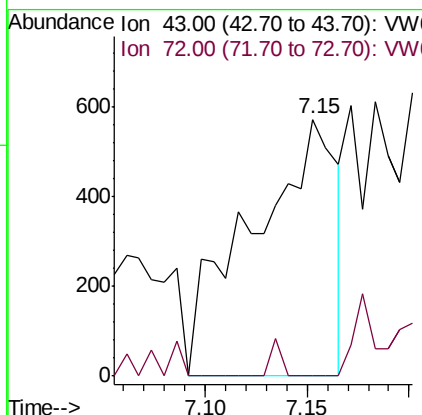
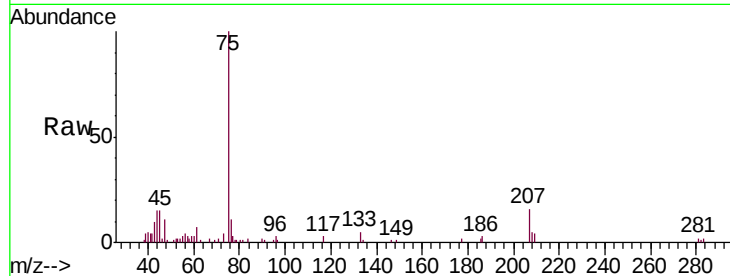




#25
2-Butanone
Concen: 1.491 ug/l
RT: 7.15 min Scan# 861
Delta R.T. -0.02 min
Lab File: VW008467.D
Acq: 30 Jan 2019 15:51

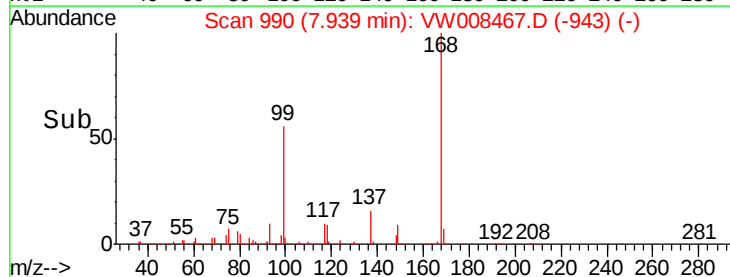
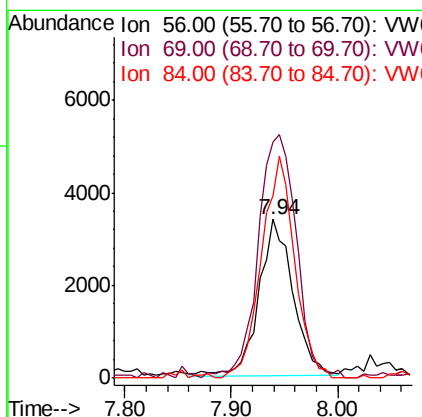
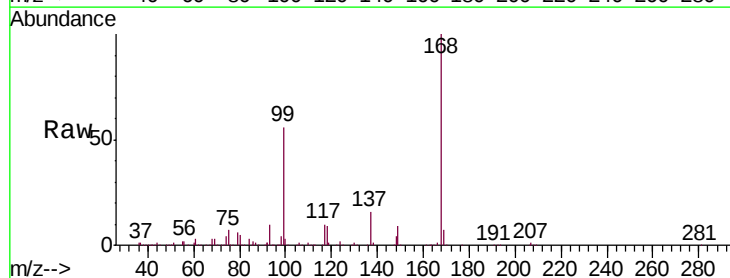
Instrument :
MSVOA_W
ClientSampleId :
TP-6

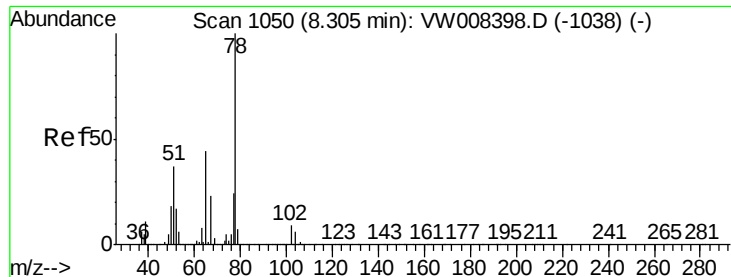
Tgt Ion: 43 Resp: 1655
Ion Ratio Lower Upper
43 100
72 0.0 20.1 30.1#



#31
Cyclohexane
Concen: 1.096 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.01 min
Lab File: VW008467.D
Acq: 30 Jan 2019 15:51

Tgt Ion: 56 Resp: 7654
Ion Ratio Lower Upper
56 100
69 149.3 26.4 39.6#
84 117.3 69.1 103.7#

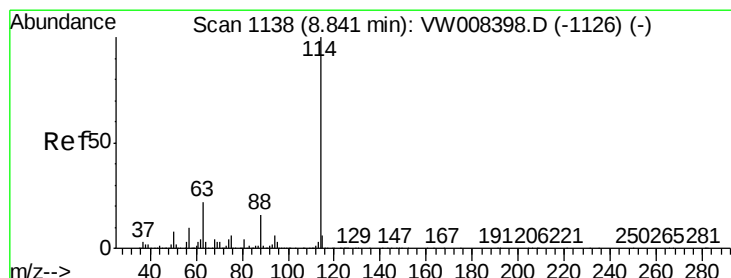
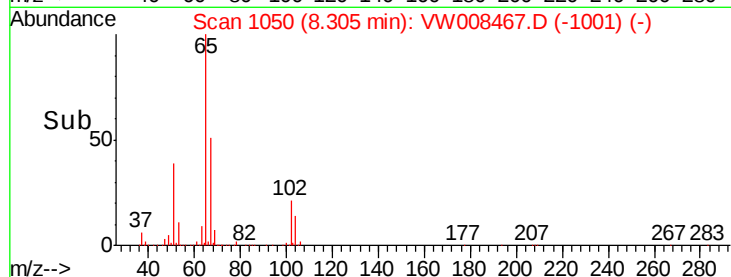
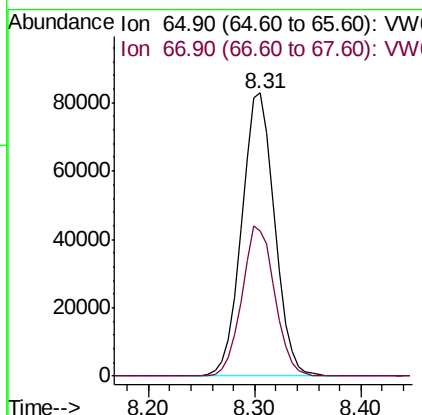
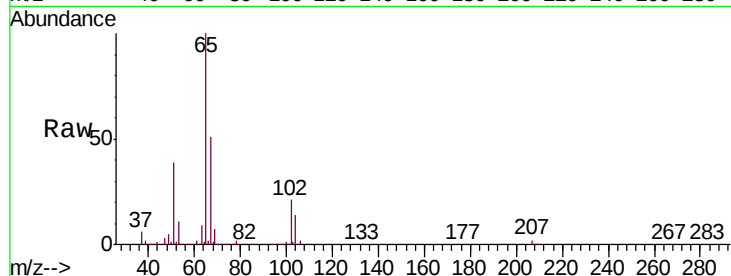




#33
 1,2-Dichloroethane-d4
 Concen: 50.601 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW008467.D
 Acq: 30 Jan 2019 15:51

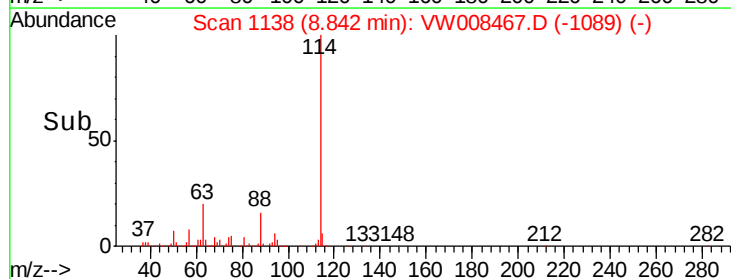
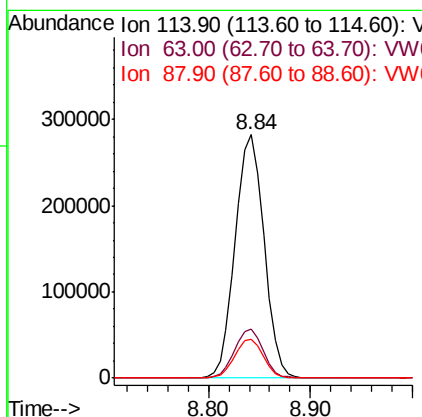
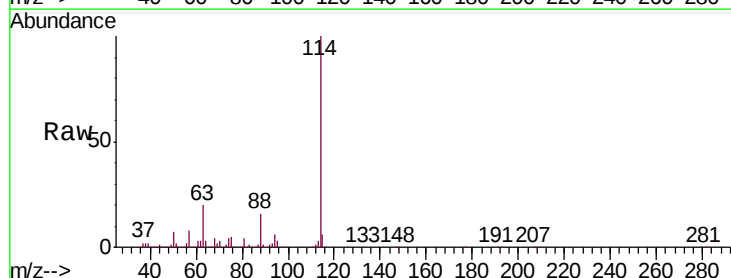
Instrument :
 MSVOA_W
 ClientSampleId :
 TP-6

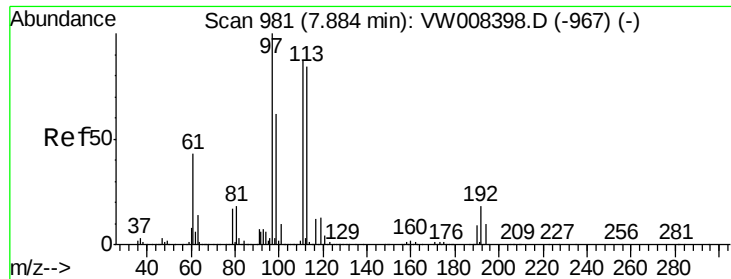
Tgt Ion: 65 Resp: 180111
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008467.D
 Acq: 30 Jan 2019 15:51

Tgt Ion: 114 Resp: 554373
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 43.6
 88 15.8 0.0 31.8





#35

Dibromofluoromethane

Concen: 55.468 ug/l

RT: 7.88 min Scan# 981

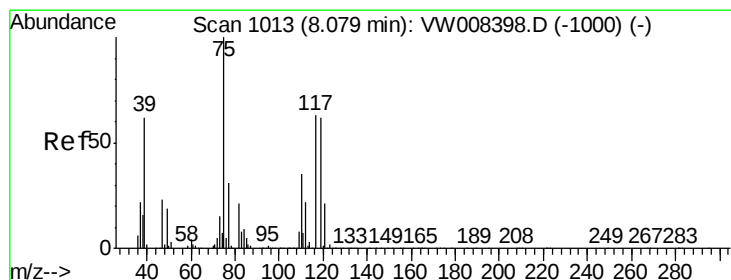
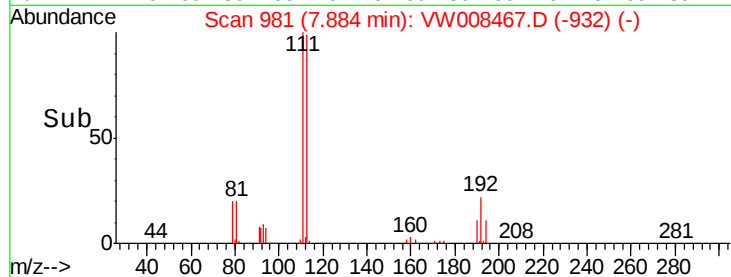
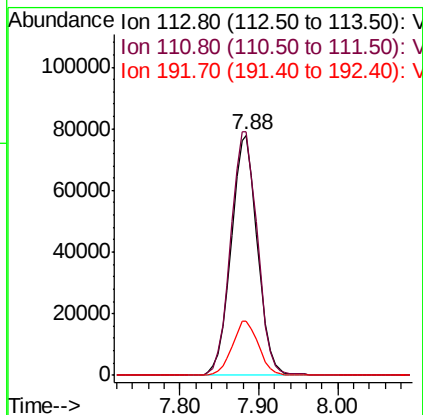
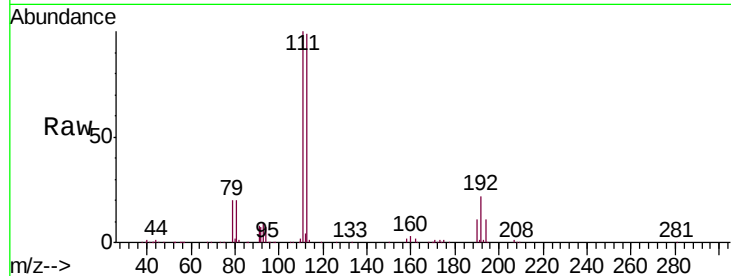
Delta R.T. 0.00 min

Lab File: VW008467.D

Acq: 30 Jan 2019 15:51

Instrument :
MSVOA_W
ClientSampled :
TP-6

Tgt Ion:	113	Resp:	179807
Ion	Ratio	Lower	Upper
113	100		
111	103.3	81.0	121.4
192	22.7	16.8	25.2



#36

1,1-Dichloropropene

Concen: 4.933 ug/l

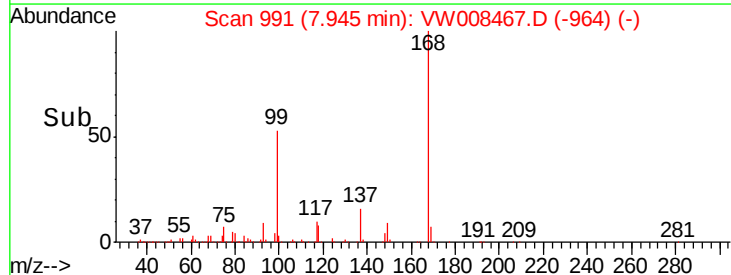
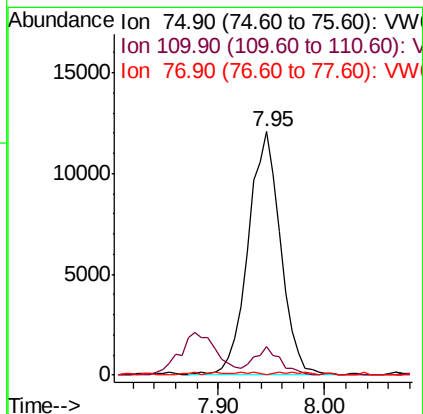
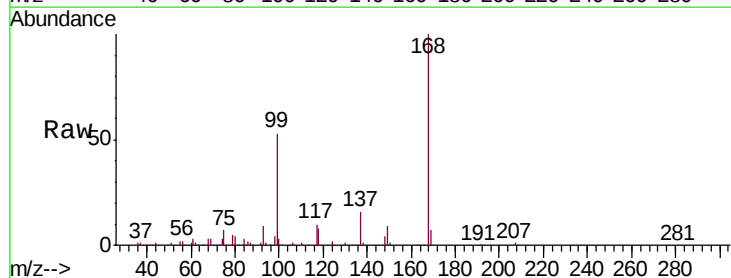
RT: 7.95 min Scan# 991

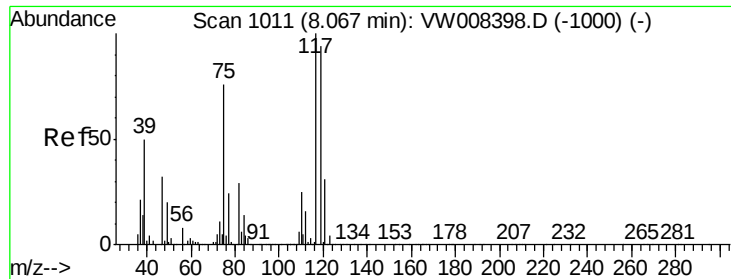
Delta R.T. -0.13 min

Lab File: VW008467.D

Acq: 30 Jan 2019 15:51

Tgt Ion:	75	Resp:	25834
Ion	Ratio	Lower	Upper
75	100		
110	9.6	17.3	52.0#
77	0.8	24.7	37.1#

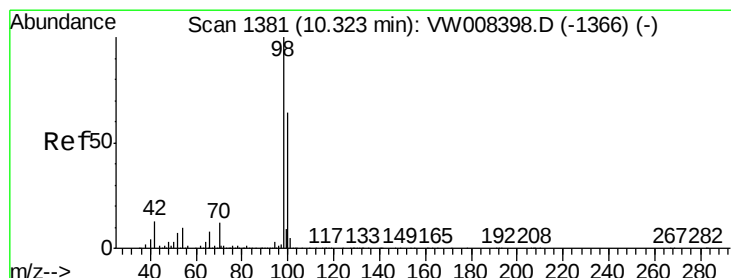
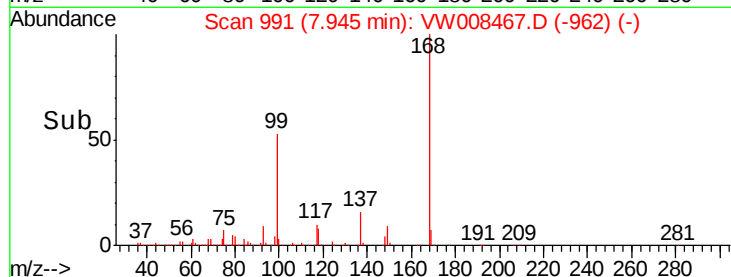
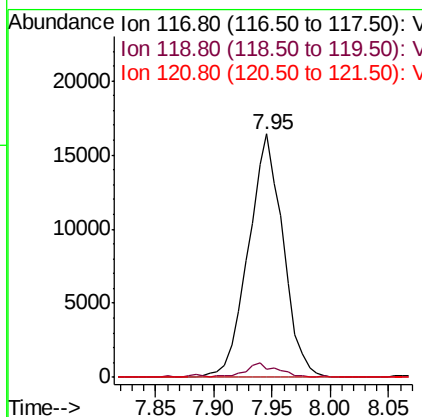
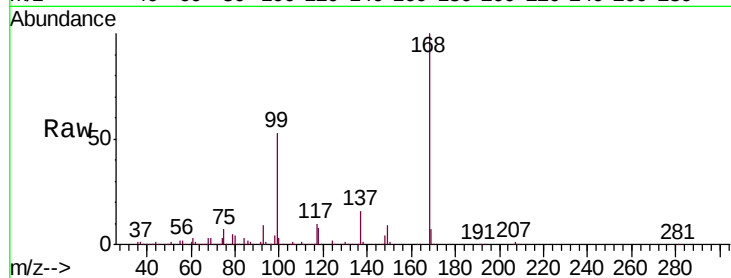




#38
Carbon Tetrachloride
Concen: 6.458 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW008467.D
Acq: 30 Jan 2019 15:51

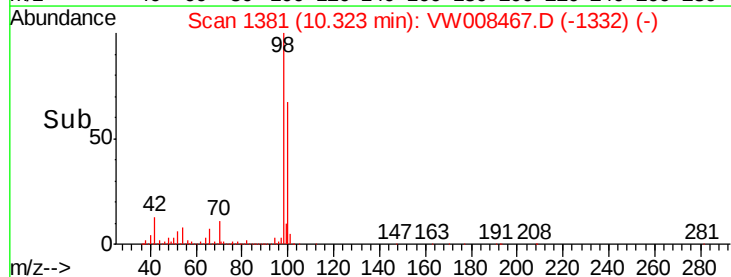
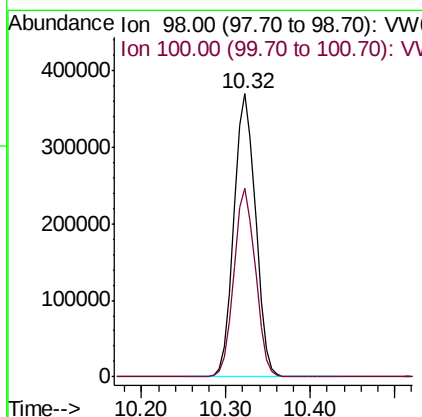
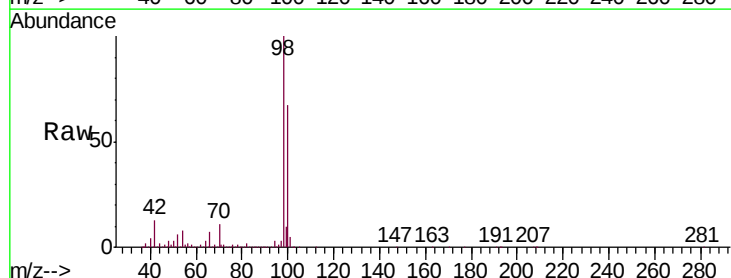
Instrument :
MSVOA_W
ClientSampleId :
TP-6

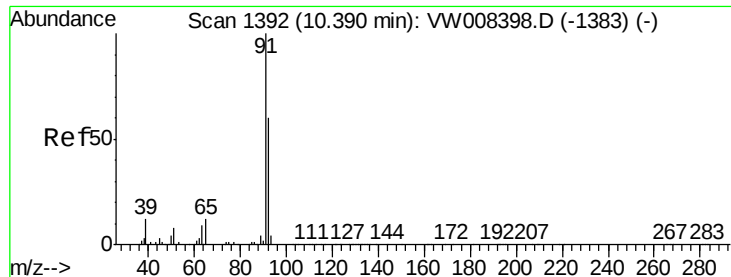
Tgt Ion:117 Resp: 34033
Ion Ratio Lower Upper
117 100
119 3.4 75.0 112.4#
121 0.0 24.9 37.3#



#50
Toluene-d8
Concen: 49.255 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008467.D
Acq: 30 Jan 2019 15:51

Tgt Ion: 98 Resp: 640271
Ion Ratio Lower Upper
98 100
100 66.1 52.6 78.8





#52

Toluene

Concen: 2.768 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW008467.D

Acq: 30 Jan 2019 15:51

Instrument :

MSVOA_W

ClientSampleId :

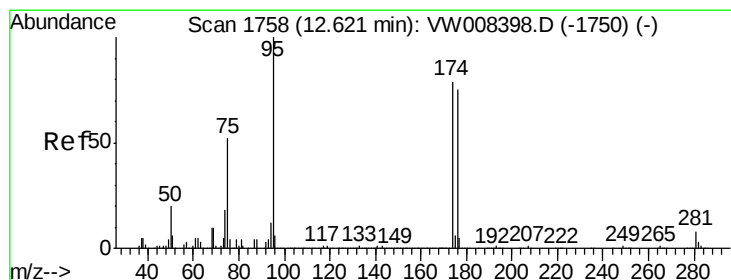
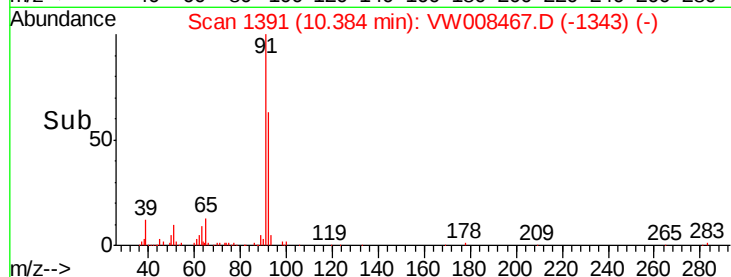
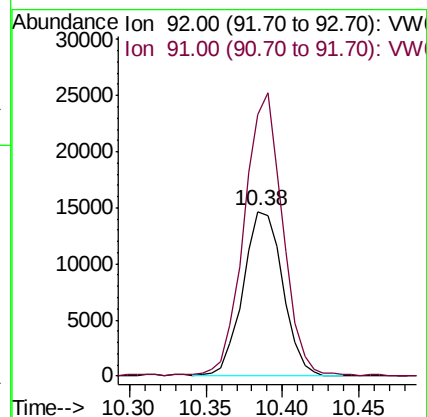
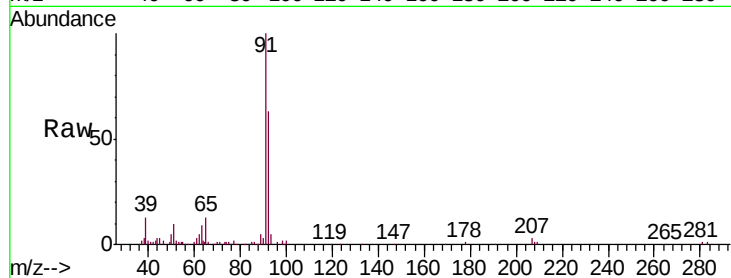
TP-6

Tgt Ion: 92 Resp: 26549

Ion Ratio Lower Upper

92 100

91 164.7 135.5 203.3



#62

4-Bromofluorobenzene

Concen: 30.916 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008467.D

Acq: 30 Jan 2019 15:51

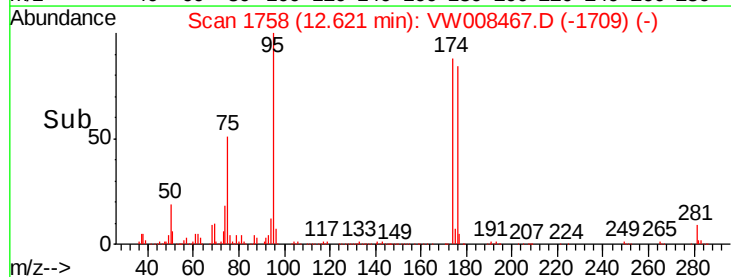
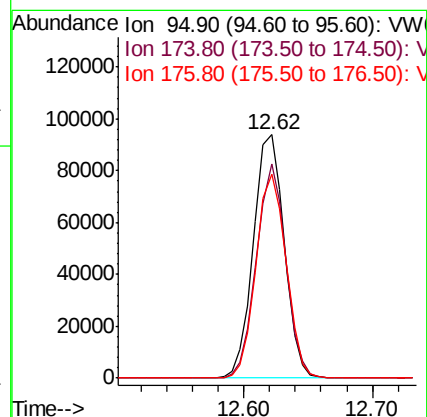
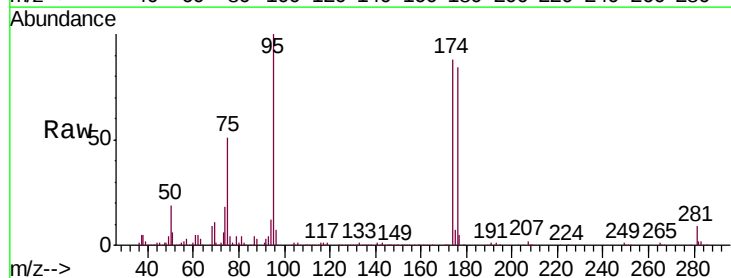
Tgt Ion: 95 Resp: 154475

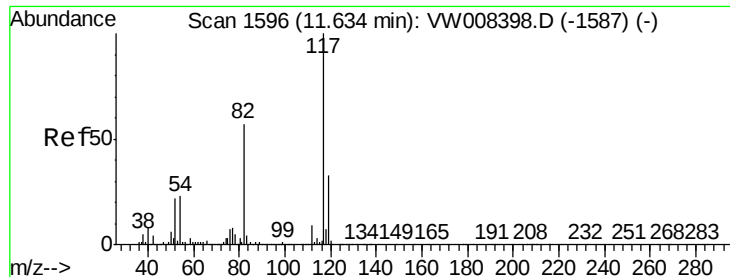
Ion Ratio Lower Upper

95 100

174 84.1 0.0 157.6

176 82.2 0.0 151.8

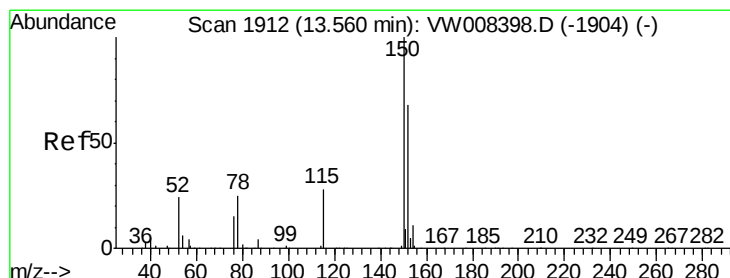
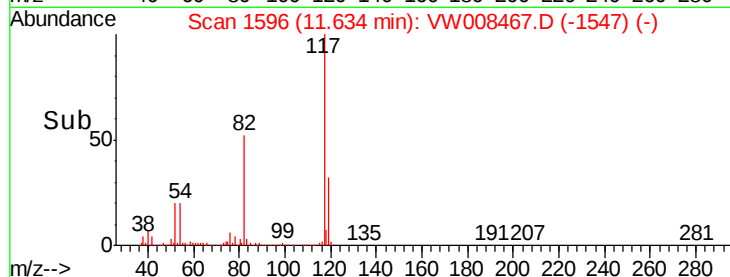
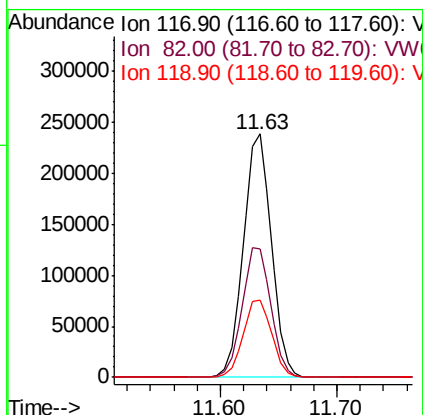
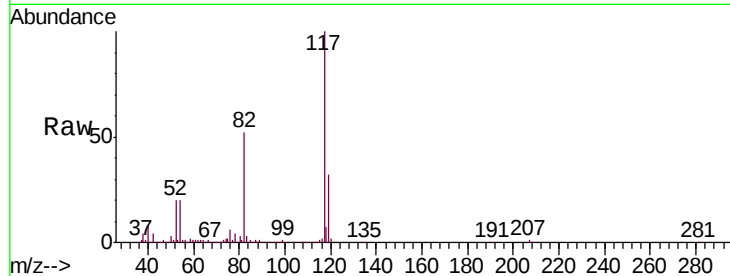




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008467.D
Acq: 30 Jan 2019 15:51

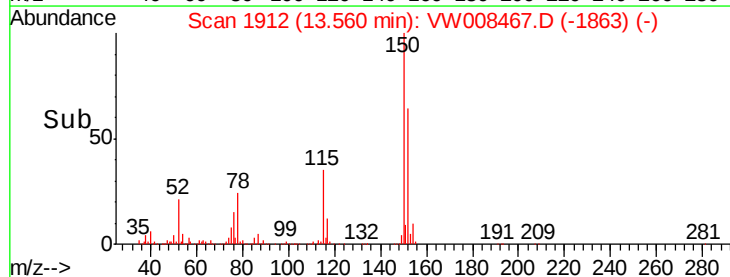
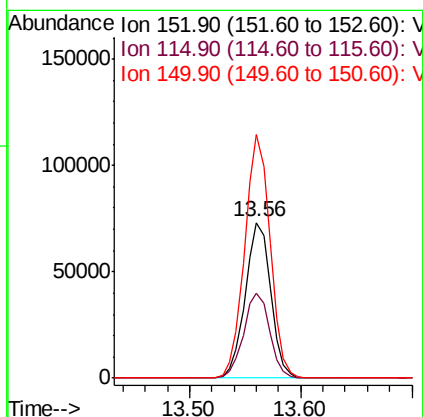
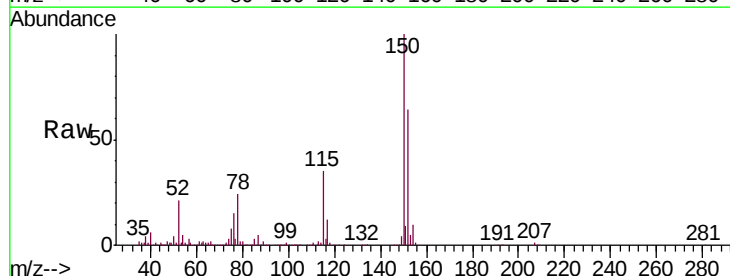
Instrument :
MSVOA_W
ClientSampled :
TP-6

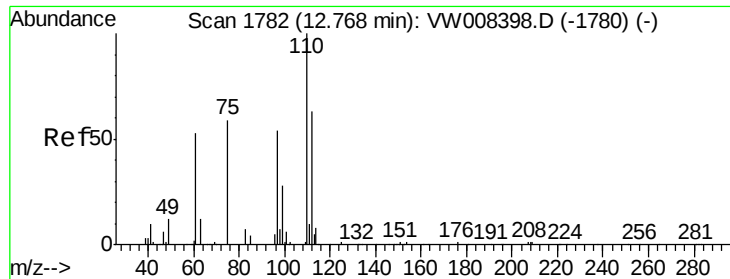
Tgt Ion:117 Resp: 401687
Ion Ratio Lower Upper
117 100
82 52.4 45.4 68.0
119 31.8 26.2 39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW008467.D
Acq: 30 Jan 2019 15:51

Tgt Ion:152 Resp: 116384
Ion Ratio Lower Upper
152 100
115 55.8 29.9 89.7
150 155.8 0.0 351.4





#76

1,2,3-Trichloropropane

Concen: 76.587 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008467.D

Acq: 30 Jan 2019 15:51

Instrument :

MSVOA_W

ClientSampled :

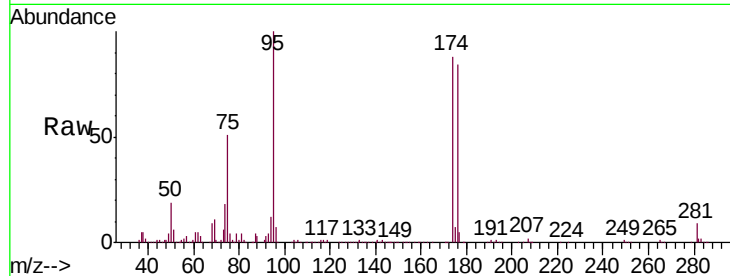
TP-6

Tgt Ion: 75 Resp: 77497

Ion Ratio Lower Upper

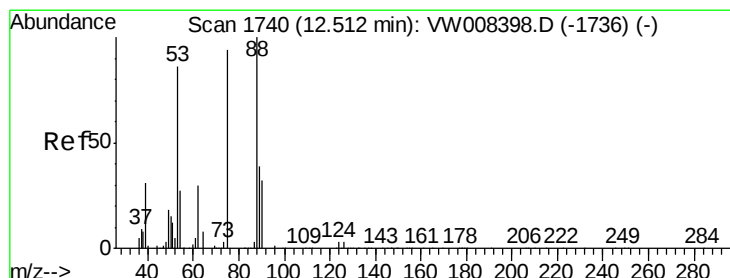
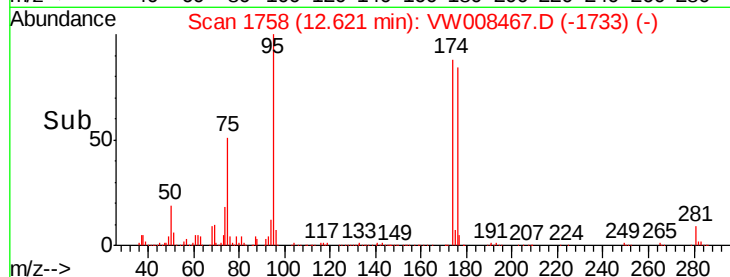
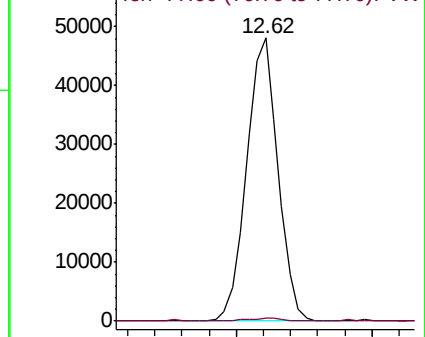
75 100

77 1.1 180.7 542.1#



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: 151.266 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW008467.D

Acq: 30 Jan 2019 15:51

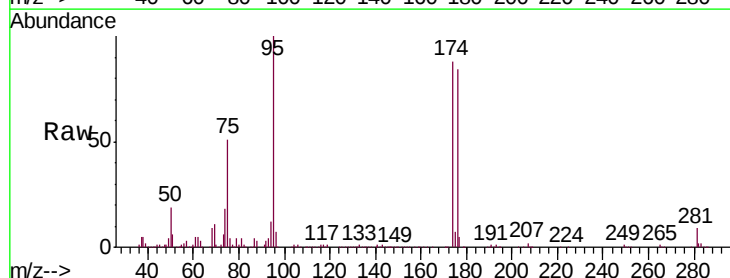
Tgt Ion: 75 Resp: 77497

Ion Ratio Lower Upper

75 100

53 0.2 76.0 114.0#

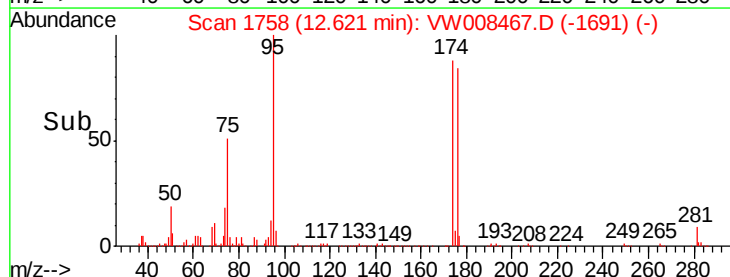
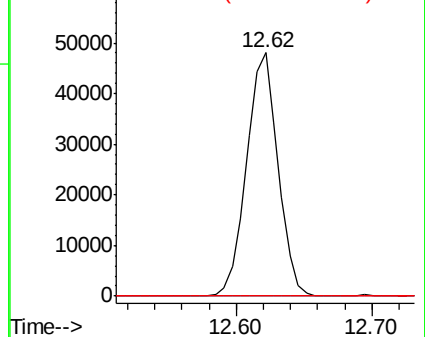
89 0.1 35.4 53.0#

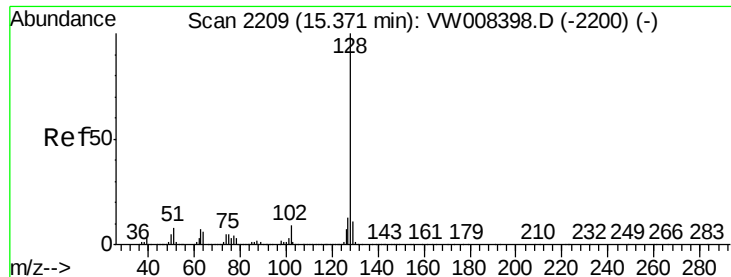


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW





#95
 Naphthalene
 Concen: 2.662 ug/l
 RT: 15.38 min Scan# 2210
 Delta R.T. 0.01 min
 Lab File: VW008467.D
 Acq: 30 Jan 2019 15:51

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-6

Tgt Ion	Ratio	Lower	Upper
128	100		
127	18.8	10.6	15.8
129	12.6	8.7	13.1

