

Data File : VW008609.D
Acq On : 11 Feb 2019 20:28
Operator : SY/VA
Sample : K1461-05RE
Misc : 5.37G/5ML/MSVOA_W/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
TEST-PIT-4

Quant Time: Feb 12 04:35:55 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	433144	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	711987	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	645418	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	310500	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	239138	56.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.40%	
35) Dibromofluoromethane	7.88	113	221627	53.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.46%	
50) Toluene-d8	10.32	98	849506	50.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.76%	
62) 4-Bromofluorobenzene	12.62	95	313745	48.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.78%	

Target Compounds

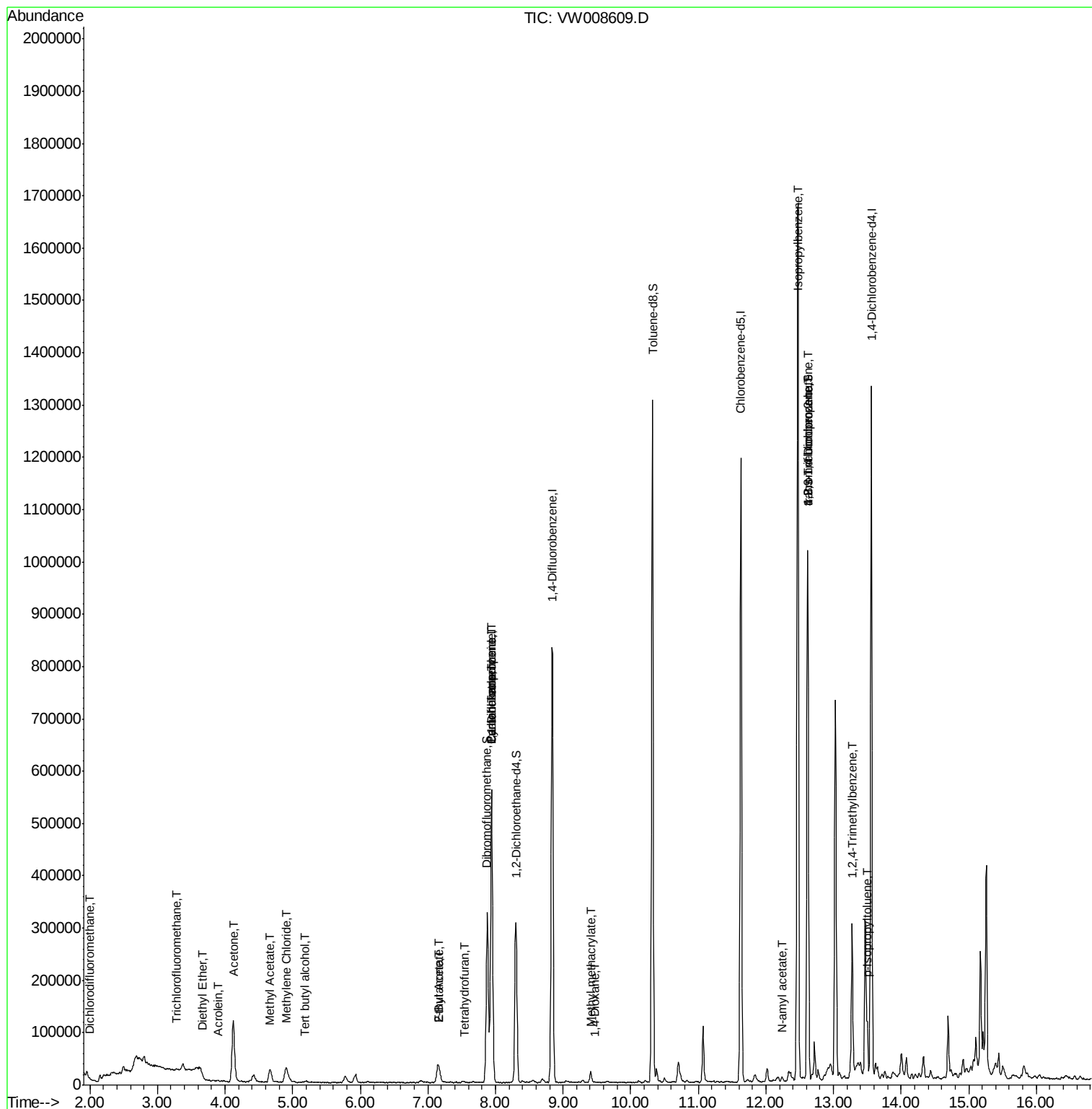
						Qvalue
2) Dichlorodifluoromethane	2.01	85	289	3.360	ug/l #	41
7) Trichlorofluoromethane	3.29	101	45	4.735	ug/l #	52
8) Diethyl Ether	3.67	74	2632	1.218	ug/l	79
11) Tert butyl alcohol	5.19	59	2160	6.305	ug/l #	18
13) Acrolein	3.90	56	2087	10.974	ug/l #	14
16) Acetone	4.12	43	210002	219.765	ug/l	99
18) Methyl Acetate	4.67	43	45963	18.034	ug/l	98
20) Methylene Chloride	4.91	84	25020	5.681	ug/l	91
25) 2-Butanone	7.17	43	21063	15.869	ug/l	94
29) Tetrahydrofuran	7.54	42	1537	1.827	ug/l #	64
31) Cyclohexane	7.95	56	9796	1.173	ug/l #	1
36) 1,1-Dichloropropene	7.94	75	32472	4.828	ug/l #	49
37) Ethyl Acetate	7.17	43	21063	7.079	ug/l #	71
38) Carbon Tetrachloride	7.95	117	41265	6.097	ug/l #	17
48) Methyl methacrylate	9.41	41	6990	2.313	ug/l #	44
49) 1,4-Dioxane	9.47	88	53	1.310	ug/l #	1
73) Isopropylbenzene	12.47	105	68518	2.960	ug/l #	58
74) N-amyl acetate	12.24	43	6390	1.072	ug/l #	45
76) 1,2,3-Trichloropropane	12.62	75	163384	60.522	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	163384	119.536	ug/l #	12
84) 1,2,4-Trimethylbenzene	13.27	105	21283	1.082	ug/l #	52
86) p-Isopropyltoluene	13.50	119	51457	2.389	ug/l #	74

(#) = 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: VW008609.D

Acq: 11 Feb 2019 20:28

Instrument :

MSVOA_W

ClientSampled :

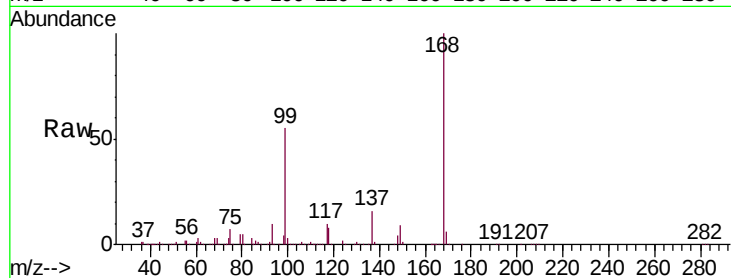
TEST-PIT-4

Tgt Ion:168 Resp: 433144

Ion Ratio Lower Upper

168 100

99 54.6 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

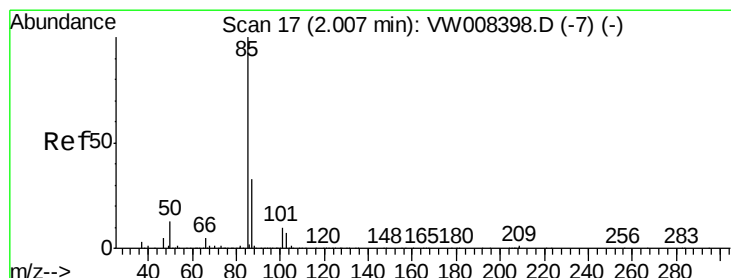
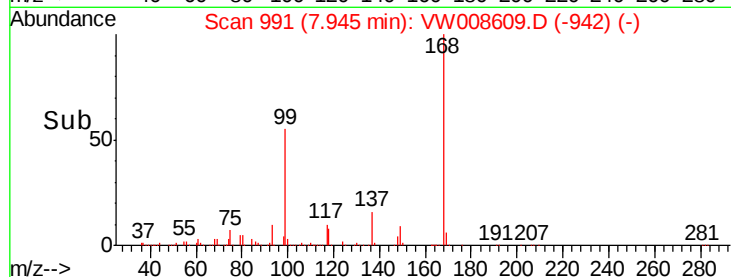
150000

100000

50000

0

Time--> 7.80 7.90 8.00



#2

Dichlorodifluoromethane

Concen: 3.360 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW008609.D

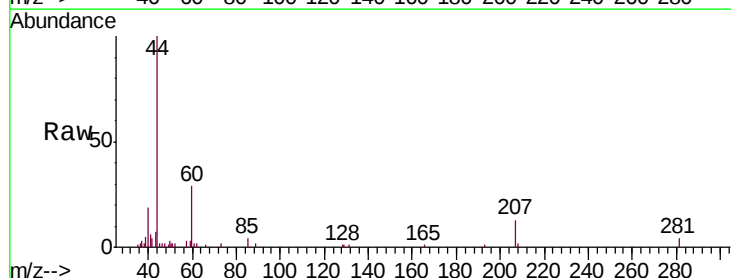
Acq: 11 Feb 2019 20:28

Tgt Ion: 85 Resp: 289

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

2.01

200

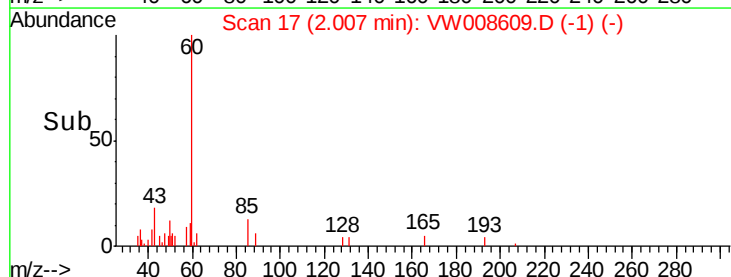
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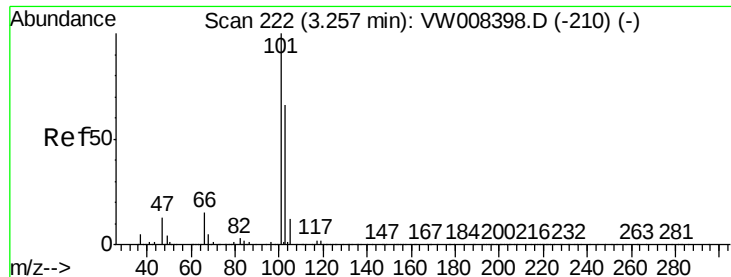
100

50

0

Time--> 2.00 2.05



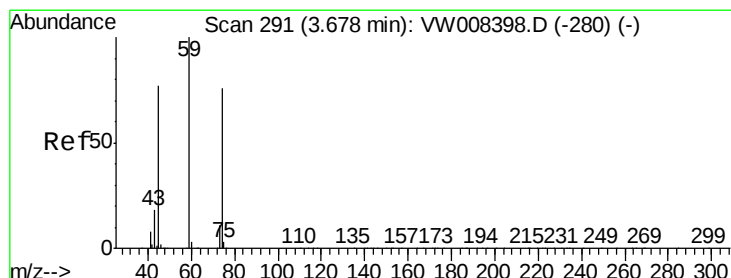
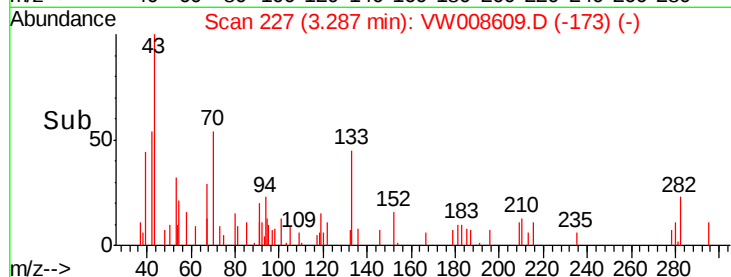
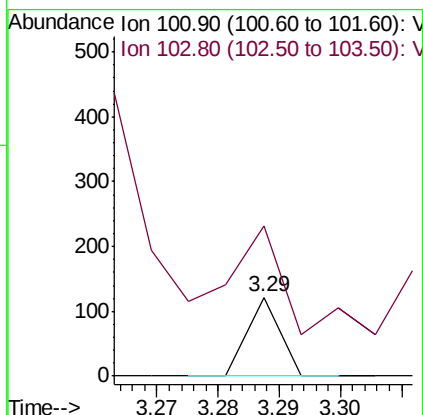
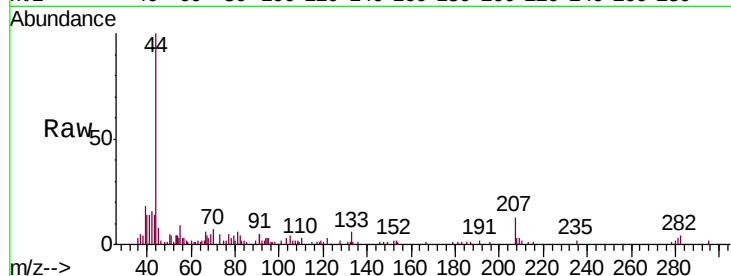


#7

Trichlorofluoromethane
Concen: 4.735 ug/l
RT: 3.29 min Scan# 227
Delta R.T. 0.03 min
Lab File: VW008609.D
Acq: 11 Feb 2019 20:28

Instrument :
MSVOA_W
ClientSampleId :
TEST-PIT-4

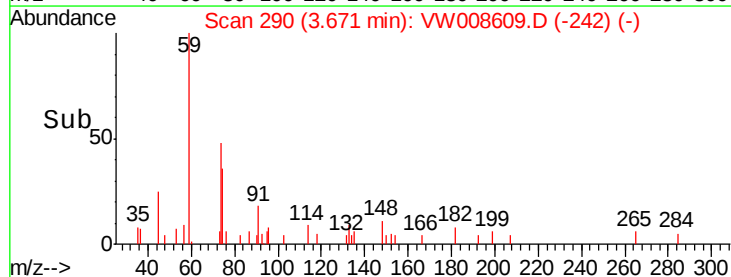
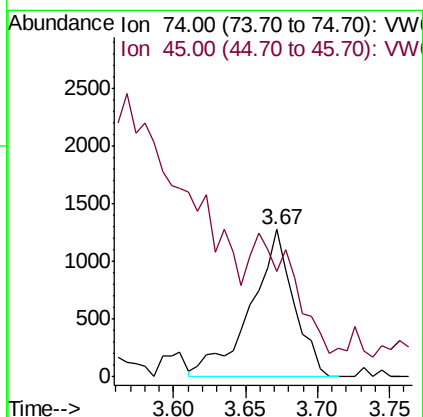
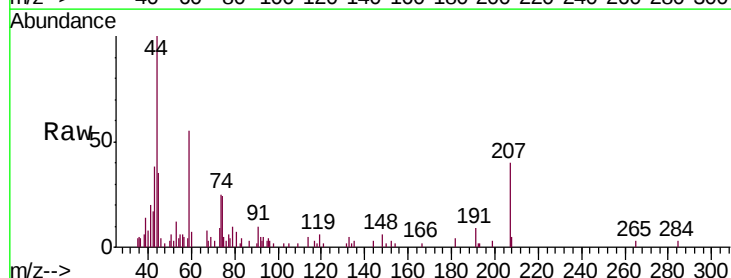
Tgt Ion: 101 Resp: 45
Ion Ratio Lower Upper
101 100
103 103.3 52.5 78.7#

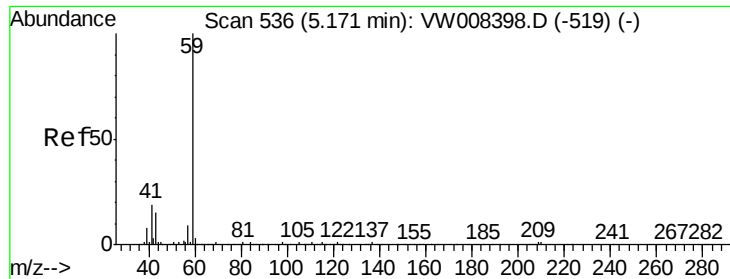


#8

Diethyl Ether
Concen: 1.218 ug/l
RT: 3.67 min Scan# 290
Delta R.T. -0.01 min
Lab File: VW008609.D
Acq: 11 Feb 2019 20:28

Tgt Ion: 74 Resp: 2632
Ion Ratio Lower Upper
74 100
45 82.0 51.7 155.2



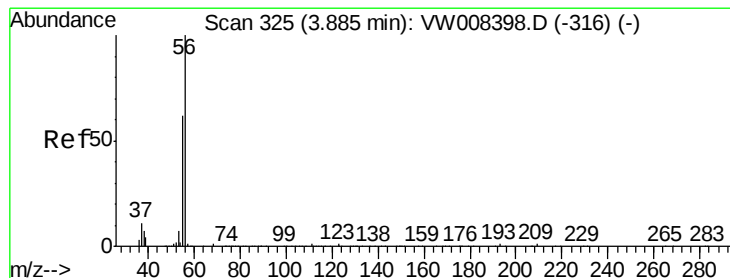
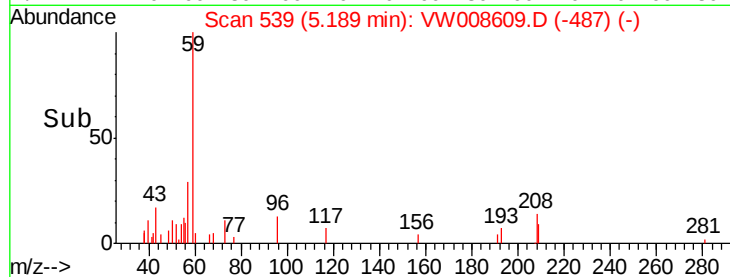
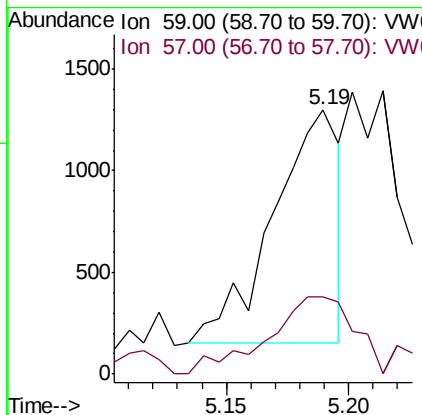
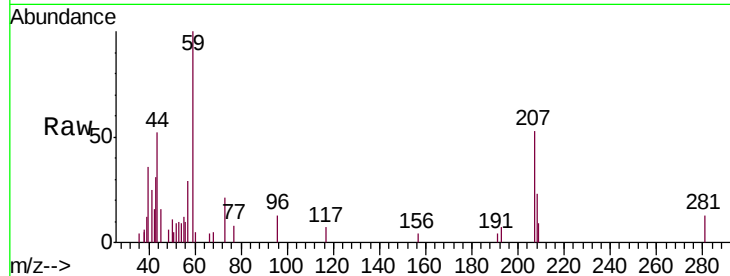


#11

Tert butyl alcohol
 Concen: 6.305 ug/l
 RT: 5.19 min Scan# 539
 Delta R.T. 0.02 min
 Lab File: VW008609.D
 Acq: 11 Feb 2019 20:28

Instrument :
 MSVOA_W
 ClientSampled :
 TEST-PIT-4

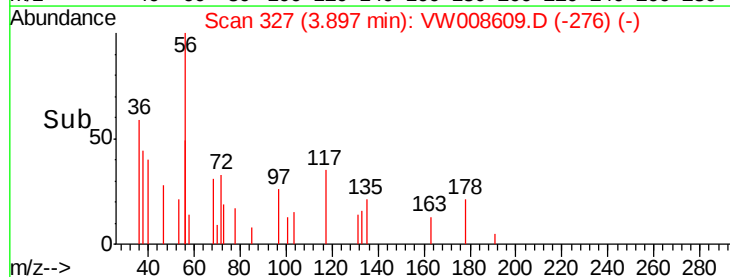
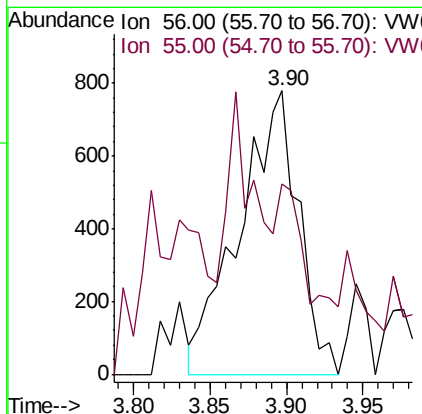
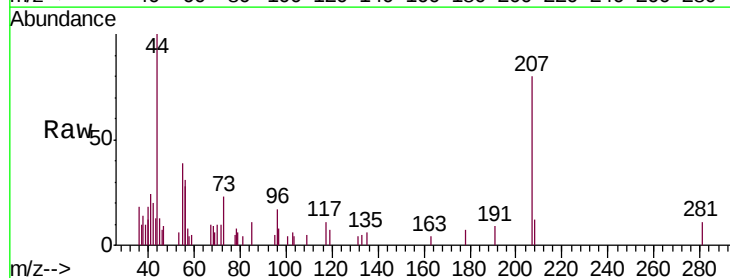
Tgt Ion: 59 Resp: 2160
 Ion Ratio Lower Upper
 59 100
 57 43.1 9.3 13.9#

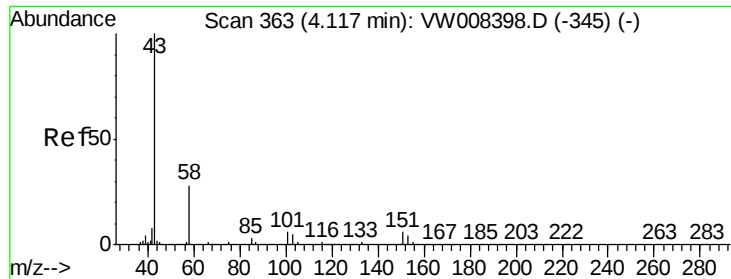


#13

Acrolein
 Concen: 10.974 ug/l
 RT: 3.90 min Scan# 327
 Delta R.T. 0.01 min
 Lab File: VW008609.D
 Acq: 11 Feb 2019 20:28

Tgt Ion: 56 Resp: 2087
 Ion Ratio Lower Upper
 56 100
 55 0.0 56.7 85.1#

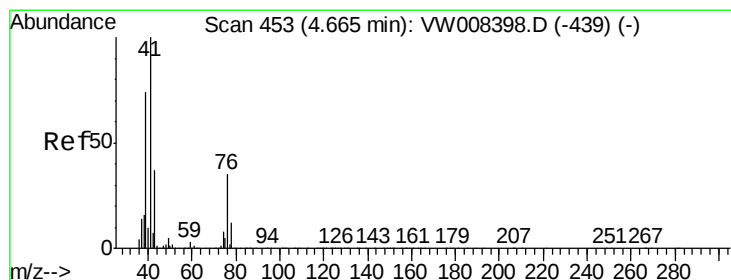
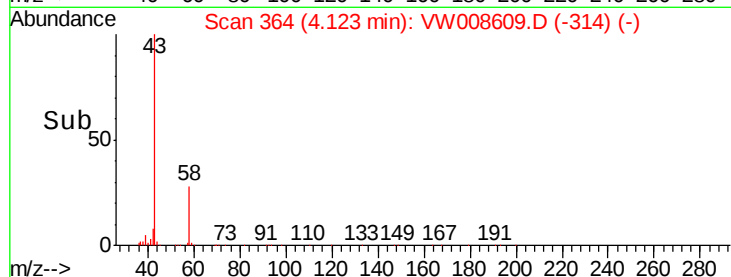
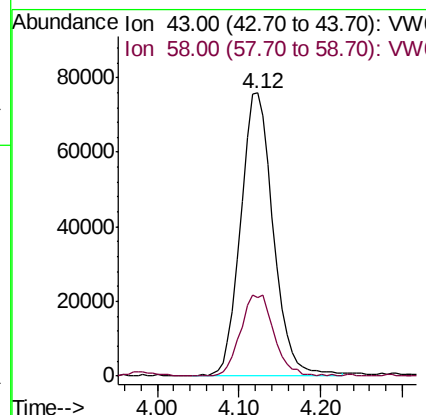
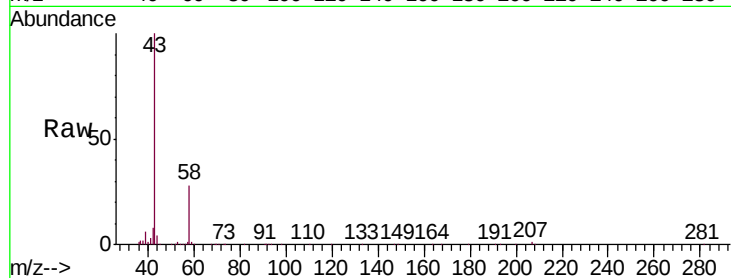




#16
Acetone
Concen: 219.765 ug/l
RT: 4.12 min Scan# 364
Delta R.T. 0.01 min
Lab File: VW008609.D
Acq: 11 Feb 2019 20:28

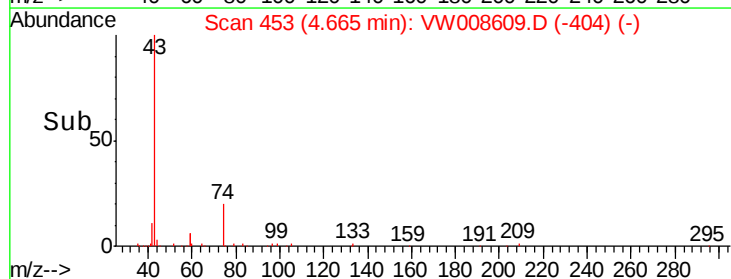
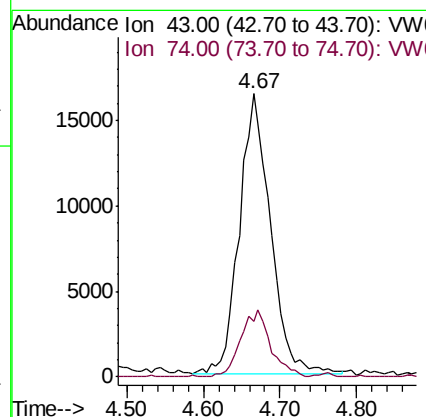
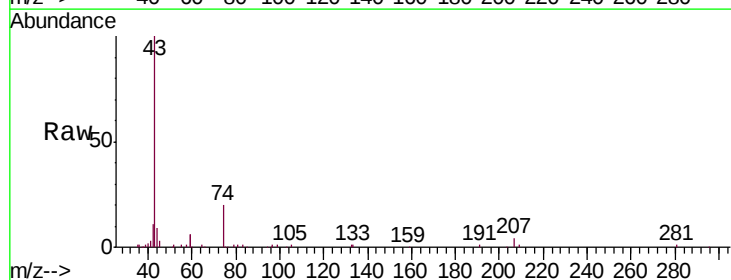
Instrument :
MSVOA_W
ClientSampleId :
TEST-PIT-4

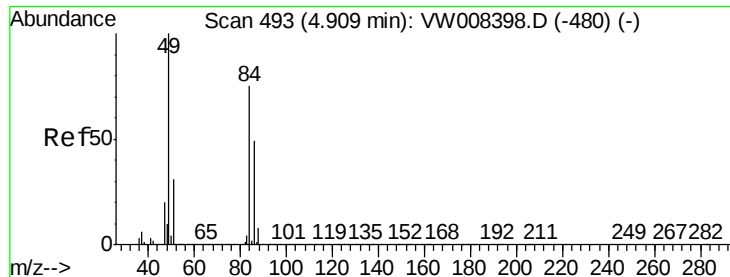
Tgt Ion: 43 Resp: 210002
Ion Ratio Lower Upper
43 100
58 28.0 22.6 34.0



#18
Methyl Acetate
Concen: 18.034 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW008609.D
Acq: 11 Feb 2019 20:28

Tgt Ion: 43 Resp: 45963
Ion Ratio Lower Upper
43 100
74 22.9 17.5 26.3

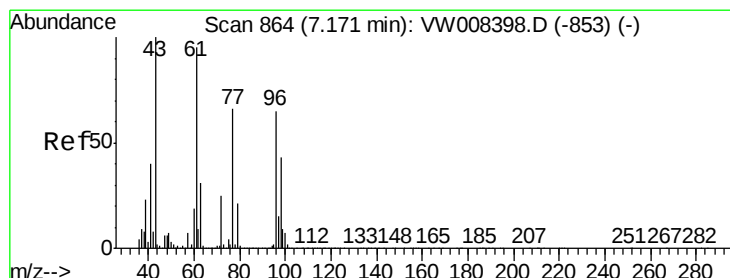
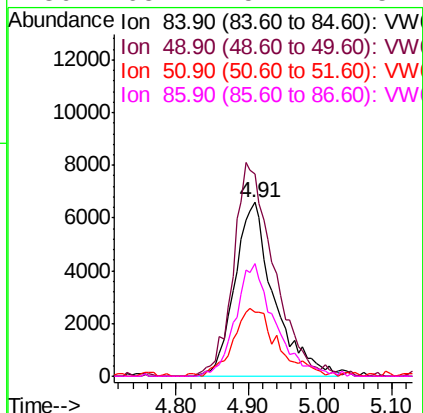
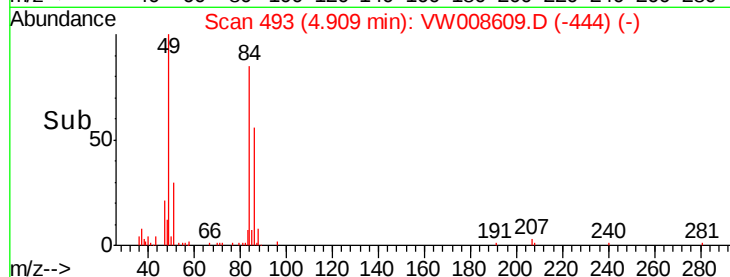
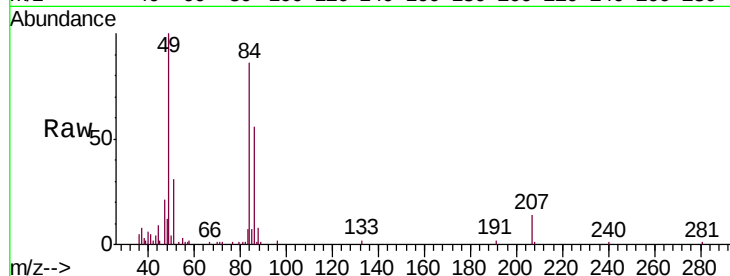




#20
Methylene Chloride
Concen: 5.681 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.00 min
Lab File: VW008609.D
Acq: 11 Feb 2019 20:28

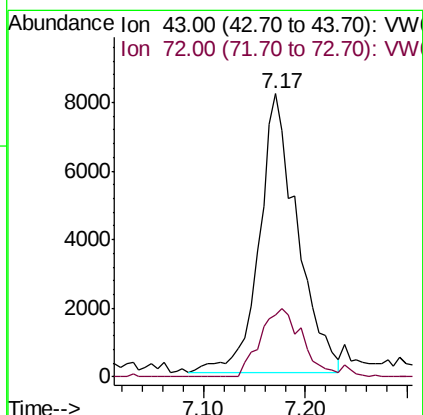
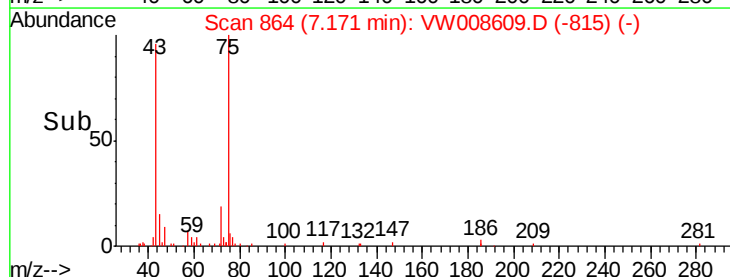
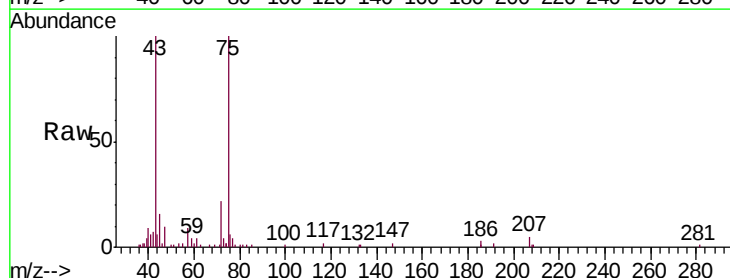
Instrument :
MSVOA_W
ClientSampleId :
TEST-PIT-4

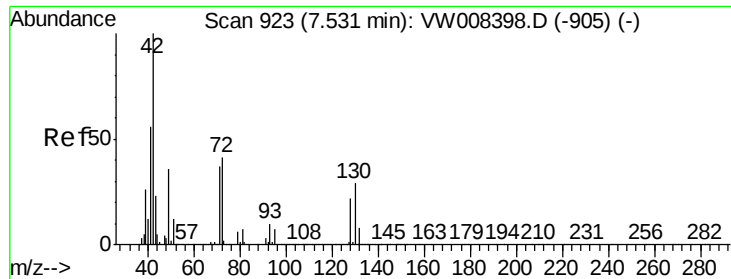
Tgt Ion:	84	Resp:	25020
Ion	Ratio	Lower	Upper
84	100		
49	116.5	106.8	160.2
51	36.5	32.9	49.3
86	65.1	52.2	78.2



#25
2-Butanone
Concen: 15.869 ug/l
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW008609.D
Acq: 11 Feb 2019 20:28

Tgt Ion:	43	Resp:	21063
Ion	Ratio	Lower	Upper
43	100		
72	22.3	20.1	30.1

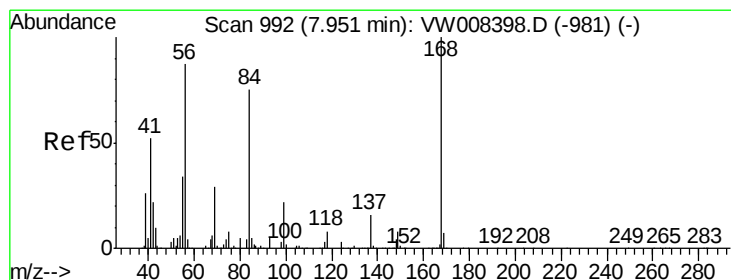
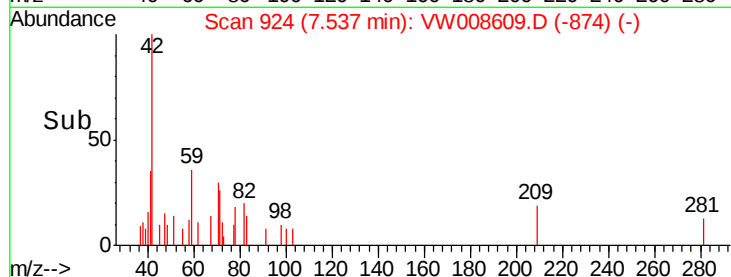
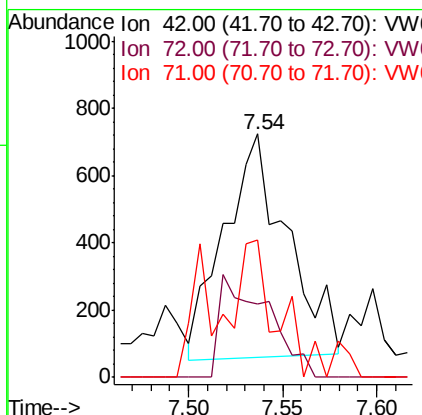
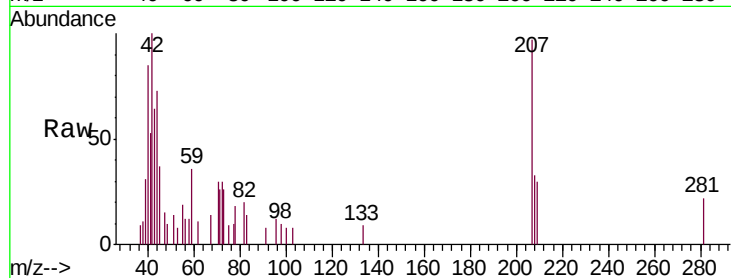




#29
Tetrahydrofuran
Concen: 1.827 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW008609.D
Acq: 11 Feb 2019 20:28

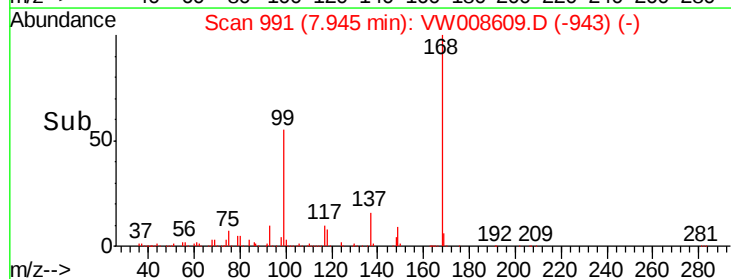
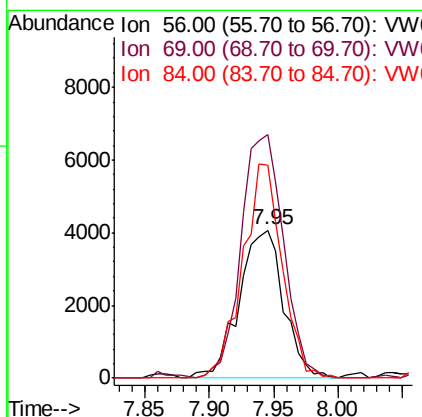
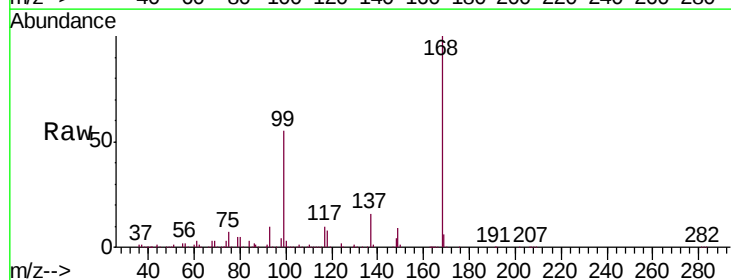
Instrument :
MSVOA_W
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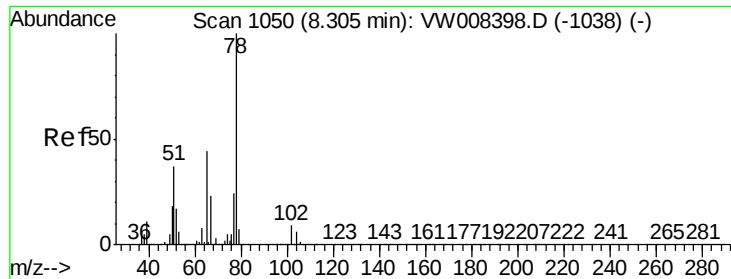
Tgt Ion	Ratio	Lower	Upper
42	100		
72	0.0	31.9	47.9#
71	33.9	29.9	44.9



#31
Cyclohexane
Concen: 1.173 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW008609.D
Acq: 11 Feb 2019 20:28

Tgt Ion	Ratio	Lower	Upper
56	100		
69	164.3	26.4	39.6#
84	143.9	69.1	103.7#

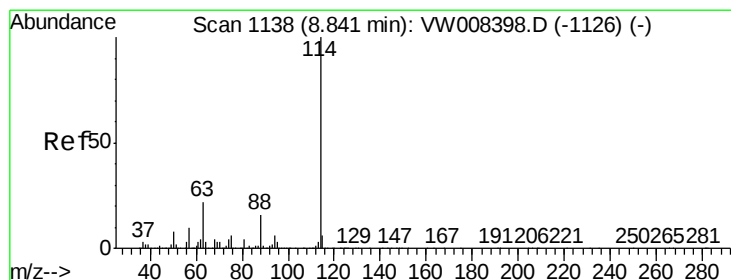
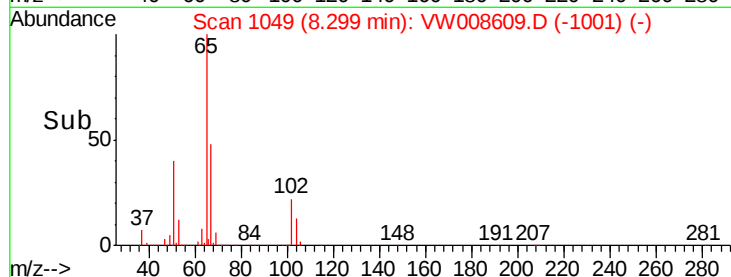
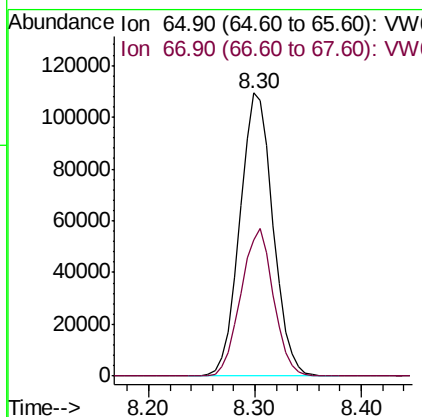
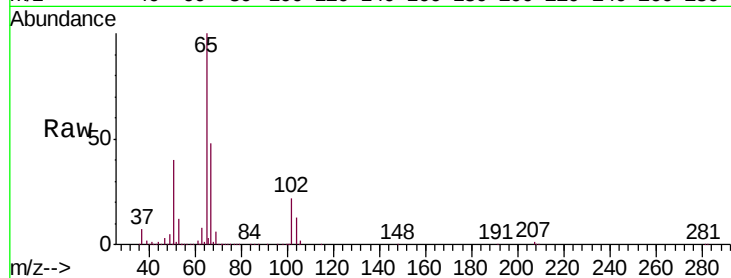




#33
 1,2-Dichloroethane-d4
 Concen: 56.199 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW008609.D
 Acq: 11 Feb 2019 20:28

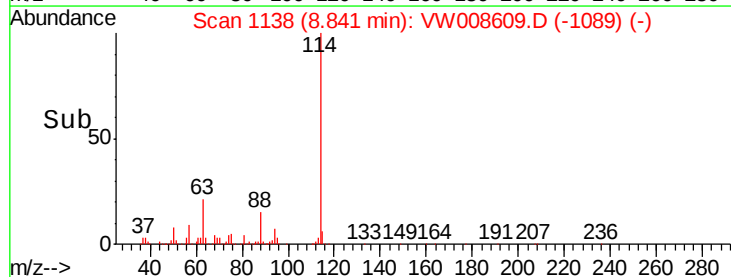
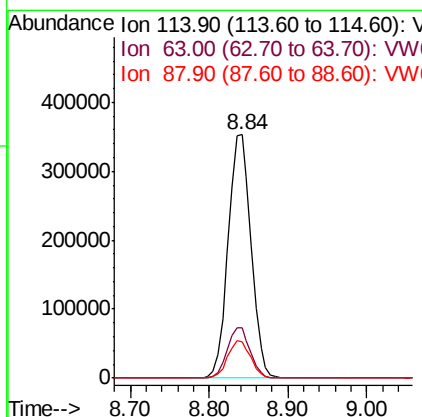
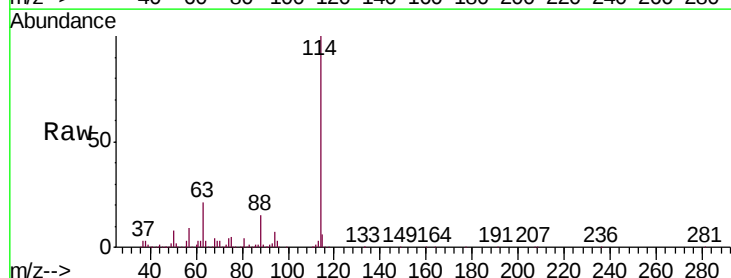
Instrument :
 MSVOA_W
 ClientSampleId :
 TEST-PIT-4

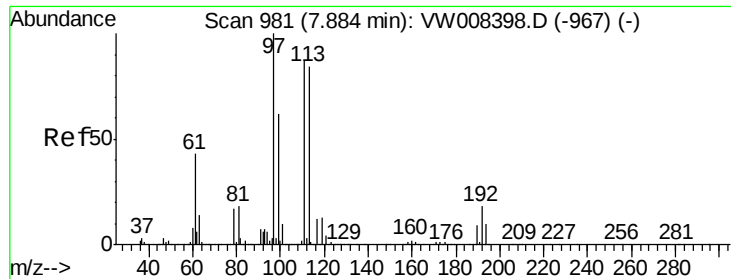
Tgt Ion: 65 Resp: 239138
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW008609.D
 Acq: 11 Feb 2019 20:28

Tgt Ion: 114 Resp: 711987
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 43.6
 88 14.9 0.0 31.8

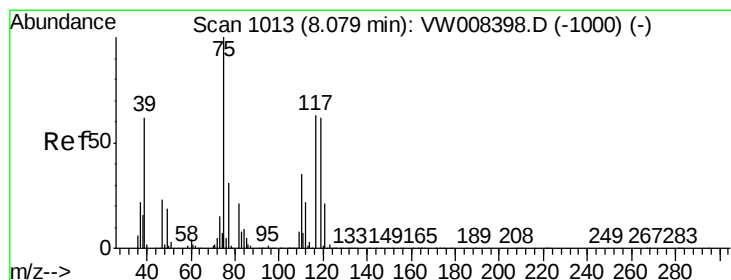
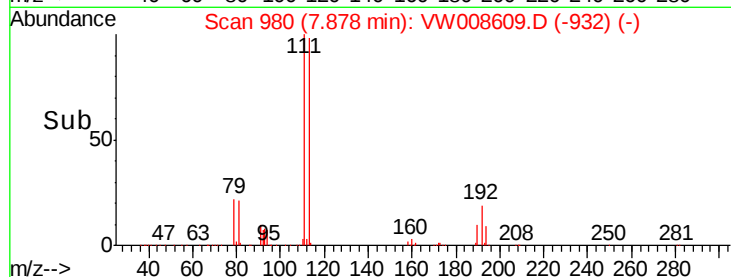
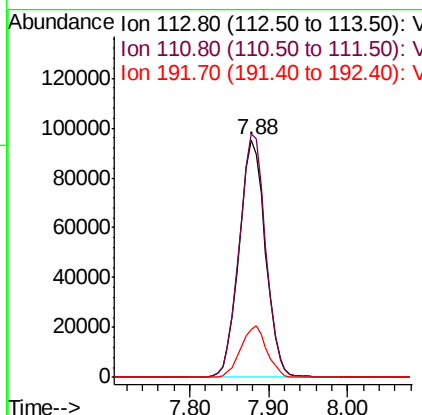
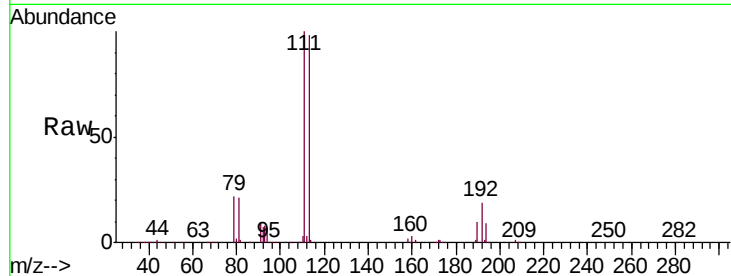




#35
 Dibromofluoromethane
 Concen: 53.234 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW008609.D
 Acq: 11 Feb 2019 20:28

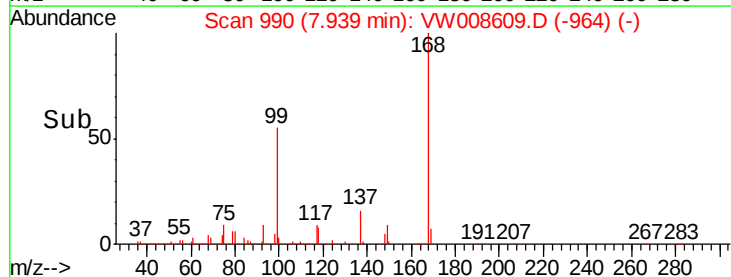
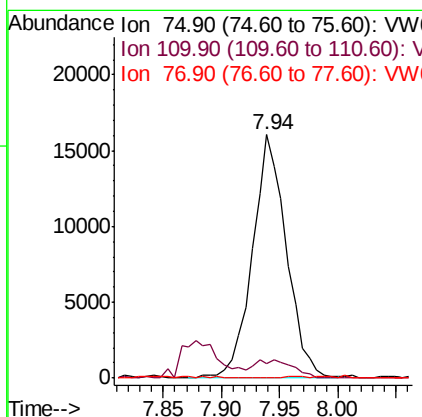
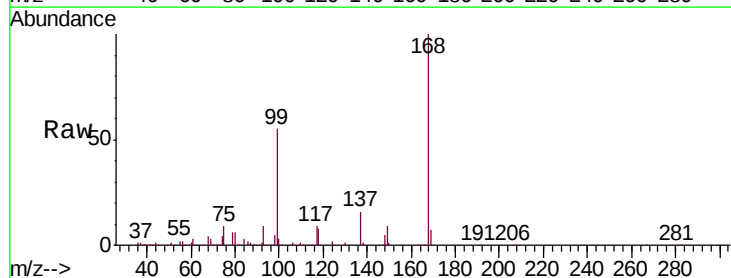
Instrument :
 MSVOA_W
 ClientSampleId :
 TEST-PIT-4

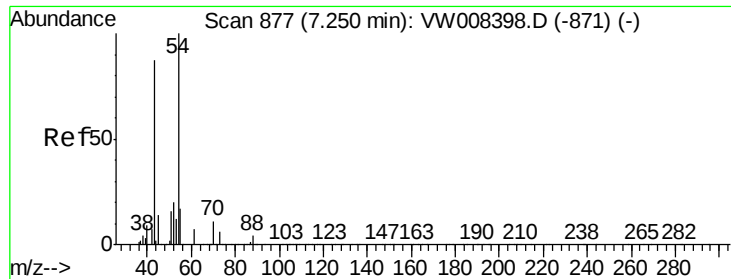
Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.1	81.0	121.4
192	21.3	16.8	25.2



#36
 1,1-Dichloropropene
 Concen: 4.828 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW008609.D
 Acq: 11 Feb 2019 20:28

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.2	17.3	52.0#
77	0.0	24.7	37.1#





#37

Ethyl Acetate

Concen: 7.079 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.08 min

Lab File: VW008609.D

Acq: 11 Feb 2019 20:28

Instrument :

MSVOA_W

ClientSampled :

TEST-PIT-4

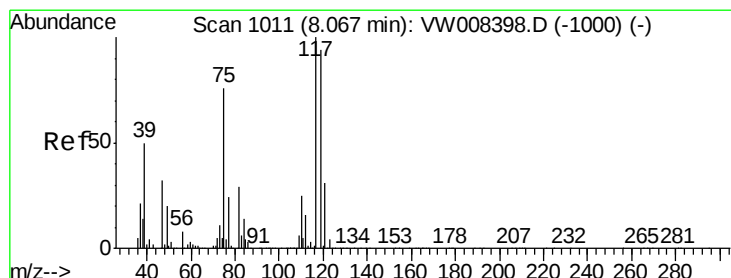
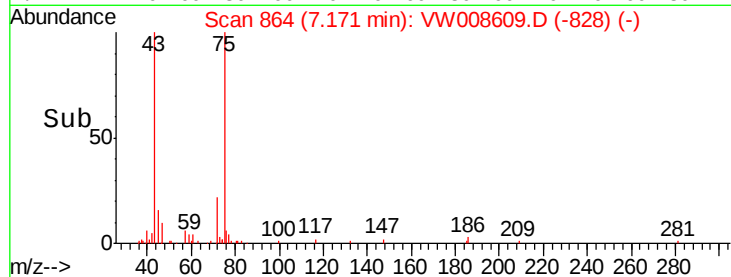
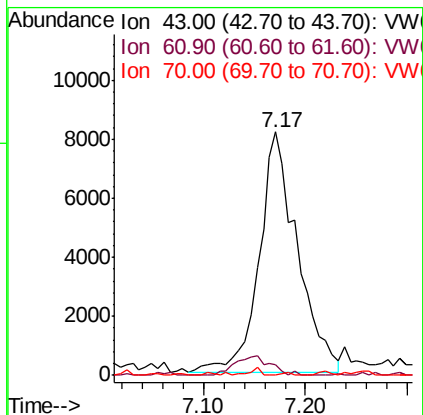
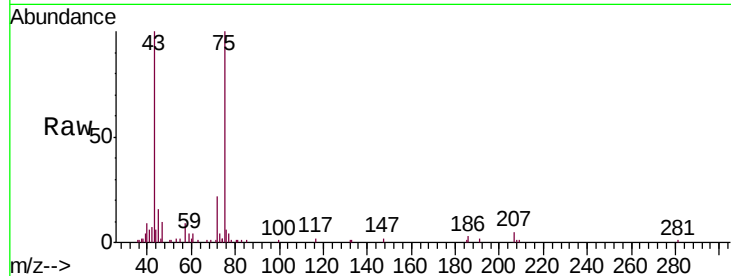
Tgt Ion: 43 Resp: 21063

Ion Ratio Lower Upper

43 100

61 0.0 10.1 15.1#

70 0.3 7.8 11.6#



#38

Carbon Tetrachloride

Concen: 6.097 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW008609.D

Acq: 11 Feb 2019 20:28

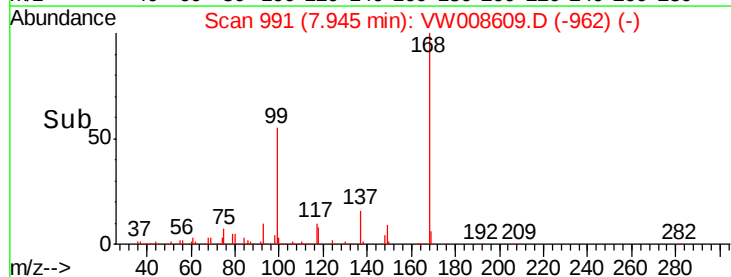
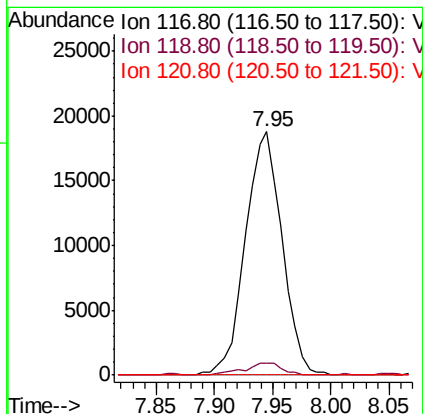
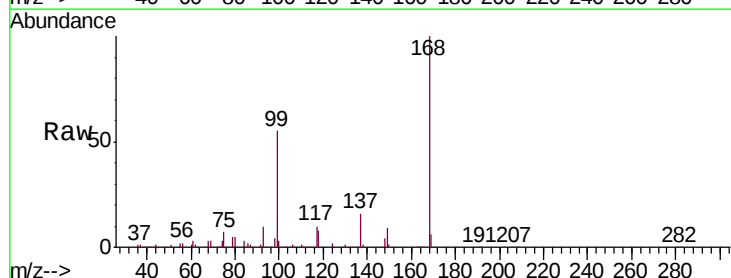
Tgt Ion: 117 Resp: 41265

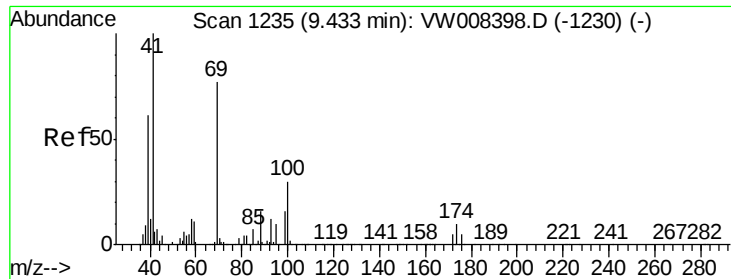
Ion Ratio Lower Upper

117 100

119 4.8 75.0 112.4#

121 0.0 24.9 37.3#

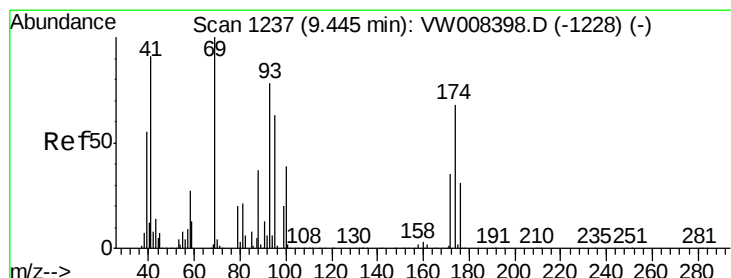
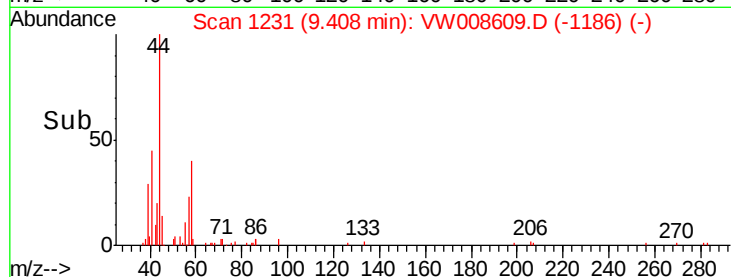
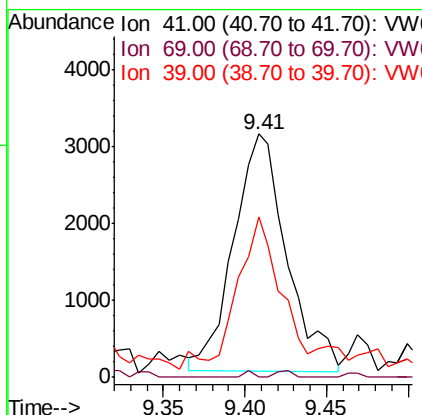
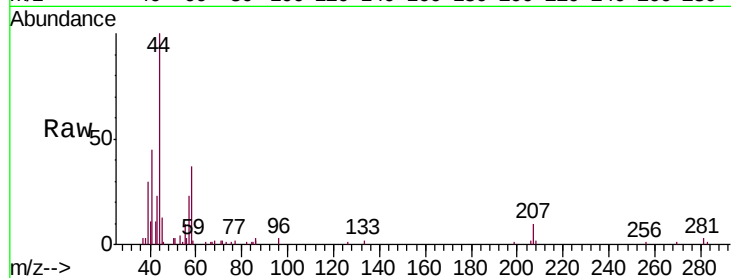




#48
Methyl methacrylate
Concen: 2.313 ug/l
RT: 9.41 min Scan# 1231
Delta R.T. -0.02 min
Lab File: VW008609.D
Acq: 11 Feb 2019 20:28

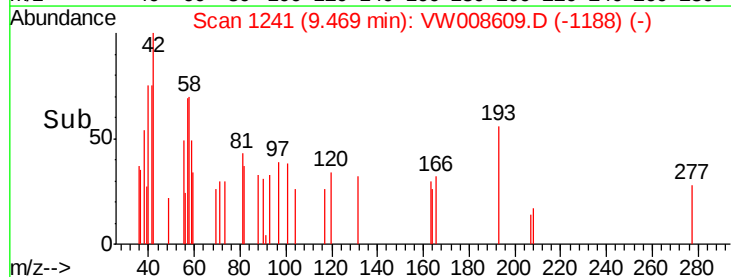
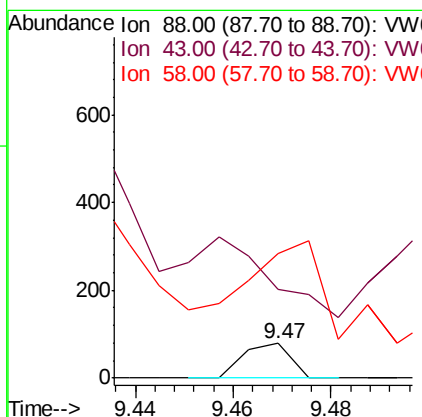
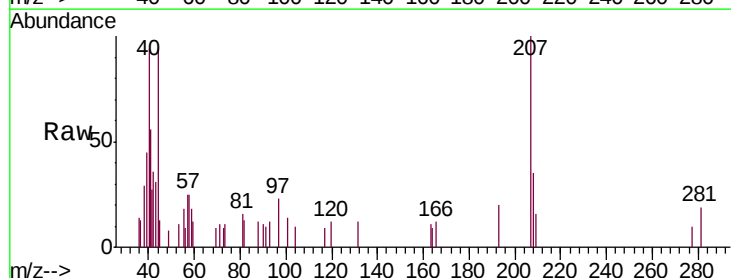
Instrument :
MSVOA_W
ClientSampleId :
TEST-PIT-4

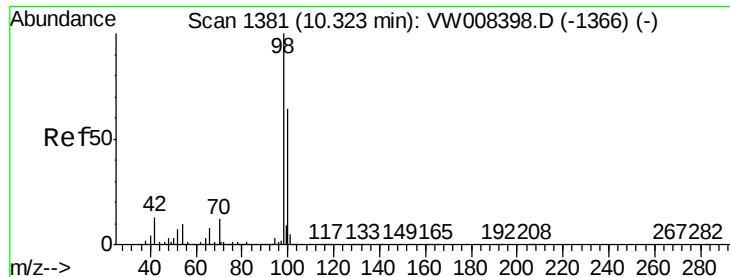
Tgt Ion: 41 Resp: 6990
Ion Ratio Lower Upper
41 100
69 0.5 64.8 97.2#
39 53.9 49.1 73.7



#49
1,4-Dioxane
Concen: 1.310 ug/l
RT: 9.47 min Scan# 1241
Delta R.T. 0.02 min
Lab File: VW008609.D
Acq: 11 Feb 2019 20:28

Tgt Ion: 88 Resp: 53
Ion Ratio Lower Upper
88 100
43 0.0 29.0 43.4#
58 1130.2 56.4 84.6#





#50

Toluene-d8

Concen: 50.885 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW008609.D

Acq: 11 Feb 2019 20:28

Instrument :

MSVOA_W

ClientSampleId :

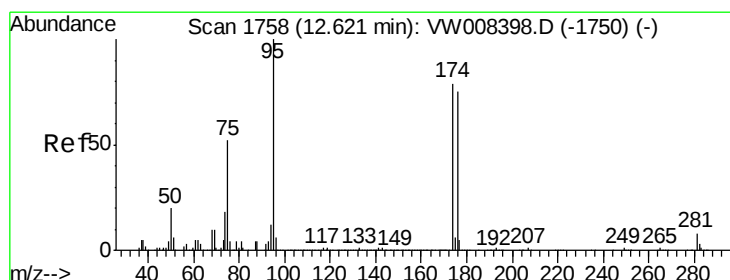
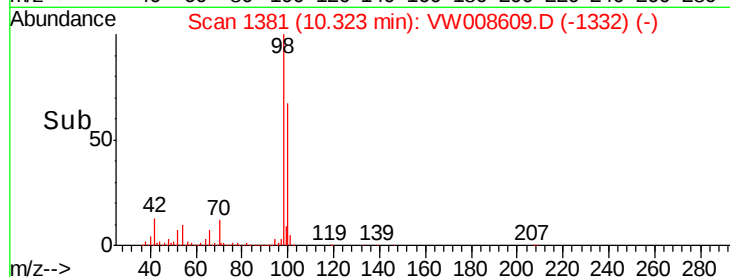
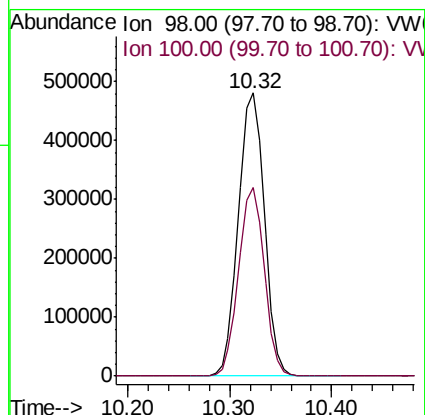
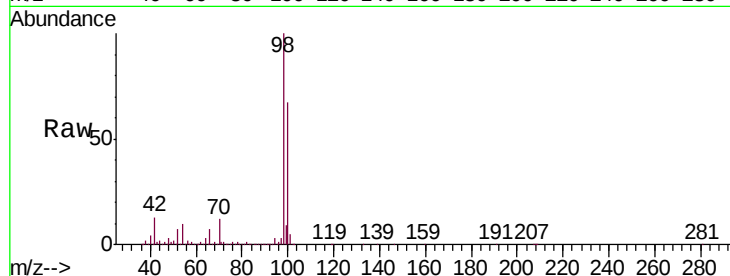
TEST-PIT-4

Tgt Ion: 98 Resp: 849506

Ion Ratio Lower Upper

98 100

100 65.7 52.6 78.8



#62

4-Bromofluorobenzene

Concen: 48.891 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW008609.D

Acq: 11 Feb 2019 20:28

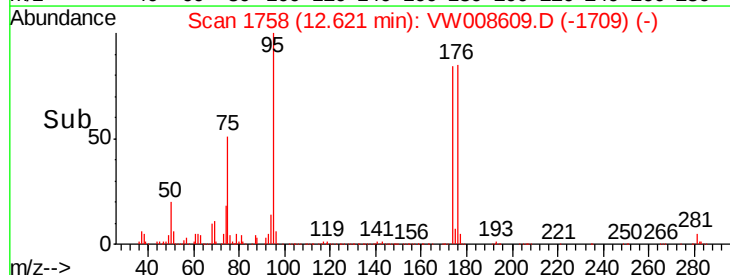
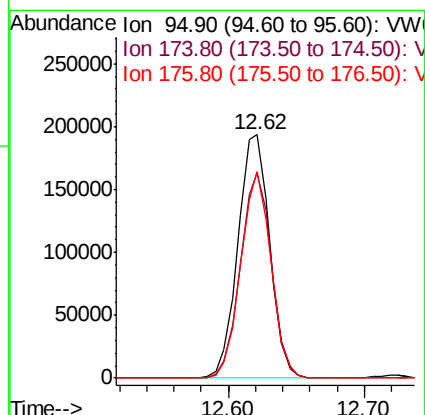
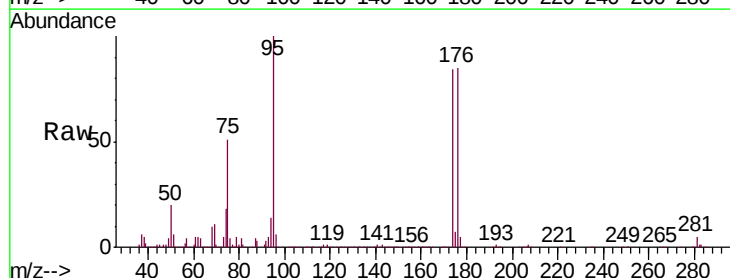
Tgt Ion: 95 Resp: 313745

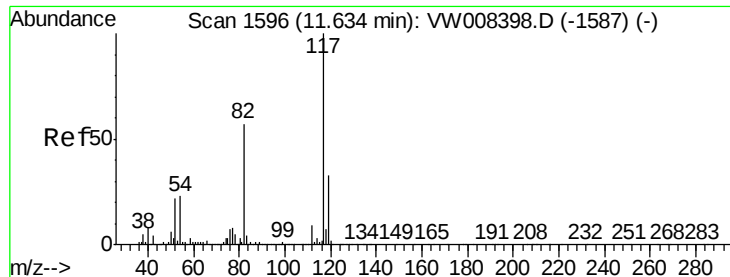
Ion Ratio Lower Upper

95 100

174 83.0 0.0 157.6

176 81.0 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: VW008609.D

Acq: 11 Feb 2019 20:28

Instrument :

MSVOA_W

ClientSampleId :

TEST-PIT-4

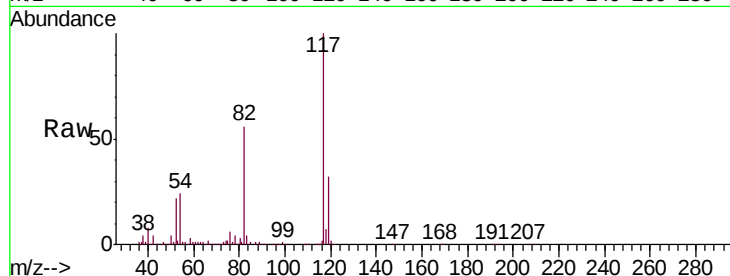
Tgt Ion:117 Resp: 645418

Ion Ratio Lower Upper

117 100

82 56.3 45.4 68.0

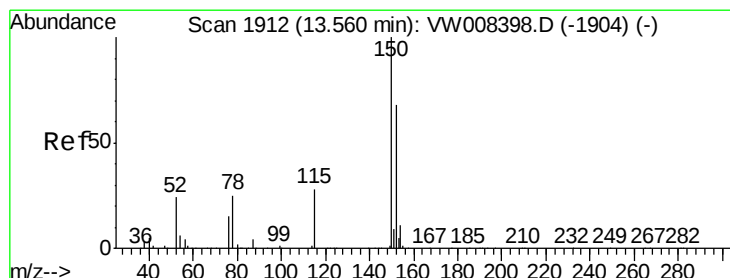
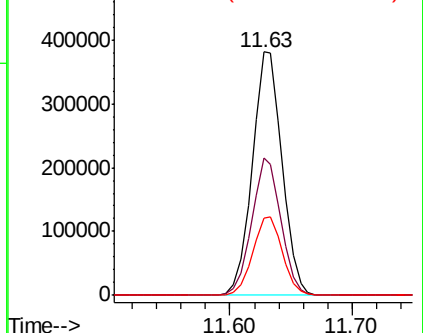
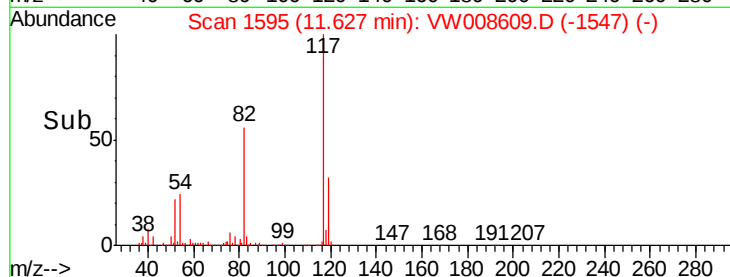
119 31.6 26.2 39.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW008609.D

Acq: 11 Feb 2019 20:28

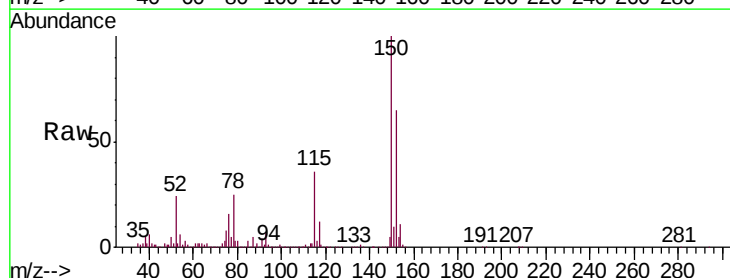
Tgt Ion:152 Resp: 310500

Ion Ratio Lower Upper

152 100

115 55.9 29.9 89.7

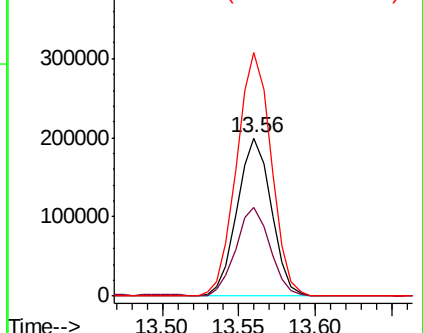
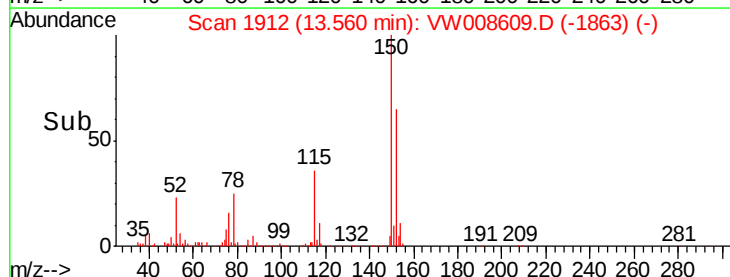
150 155.6 0.0 351.4

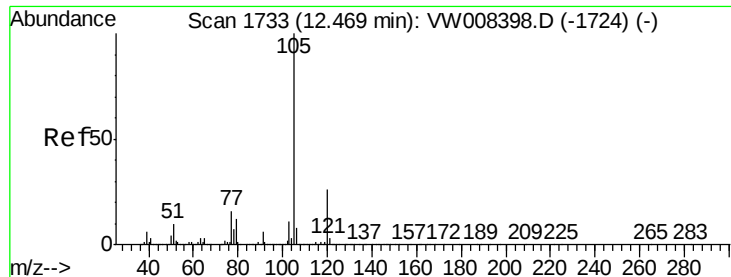


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 2.960 ug/l

RT: 12.47 min Scan# 1734

Delta R.T. 0.01 min

Lab File: VW008609.D

Acq: 11 Feb 2019 20:28

Instrument :

MSVOA_W

ClientSampleId :

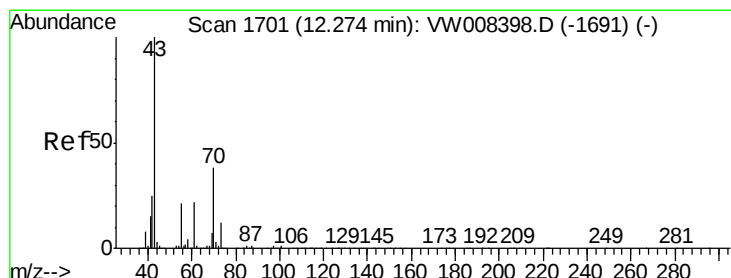
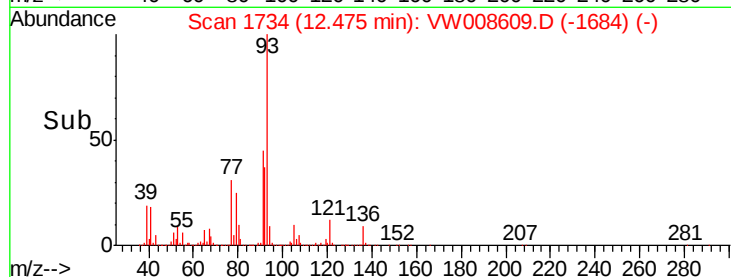
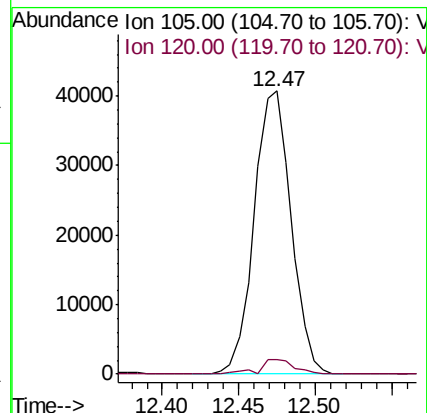
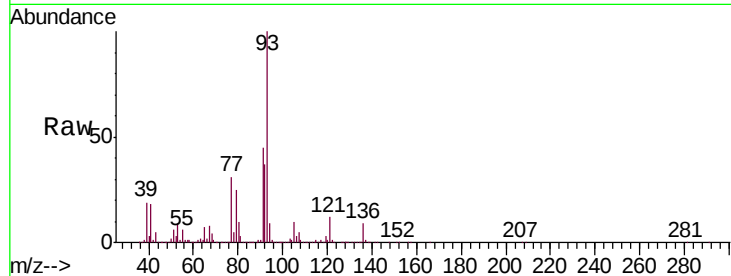
TEST-PIT-4

Tgt Ion: 105 Resp: 68518

Ion Ratio Lower Upper

105 100

120 4.9 13.3 39.8#



#74

N-ethyl acetate

Concen: 1.072 ug/l

RT: 12.24 min Scan# 1695

Delta R.T. -0.04 min

Lab File: VW008609.D

Acq: 11 Feb 2019 20:28

Tgt Ion: 43 Resp: 6390

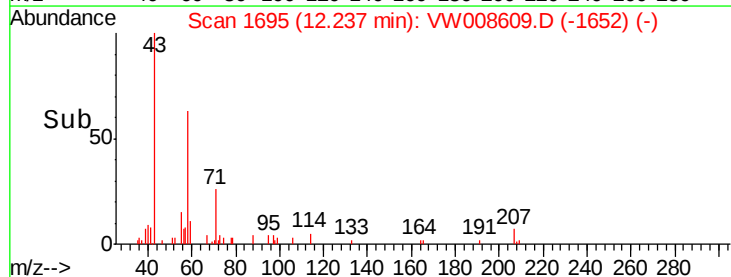
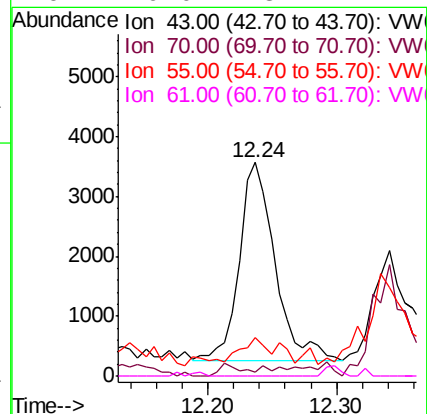
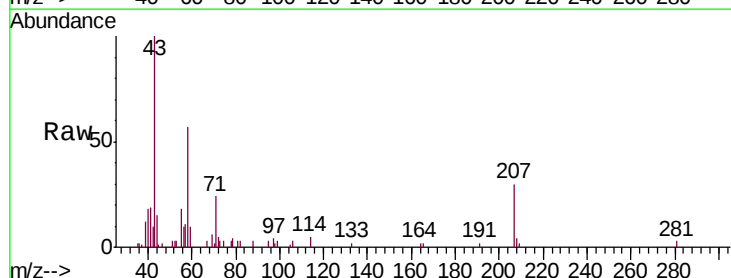
Ion Ratio Lower Upper

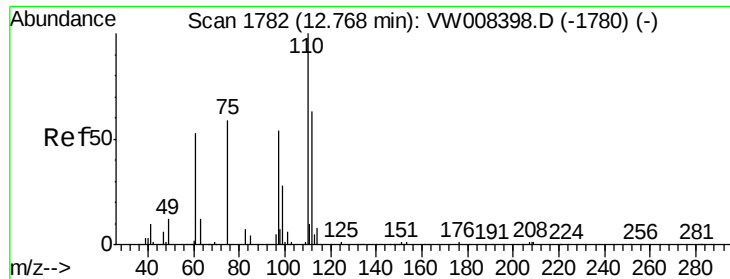
43 100

70 0.0 31.0 46.6#

55 0.0 17.4 26.2#

61 0.0 18.2 27.4#

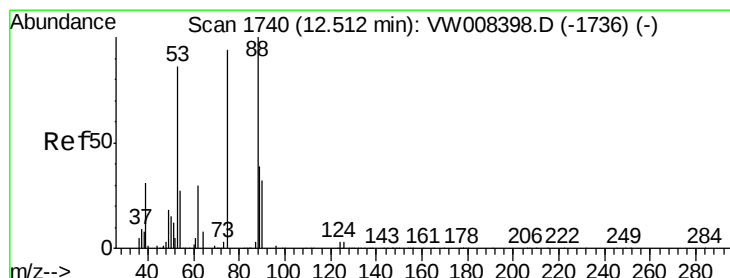
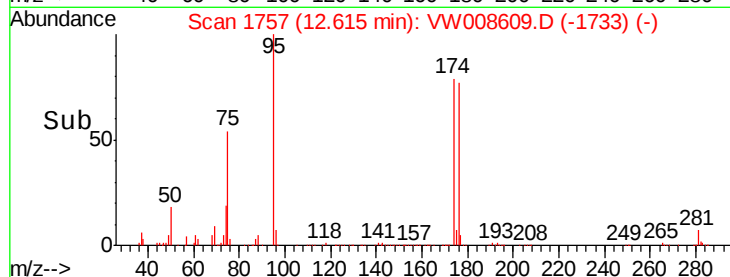
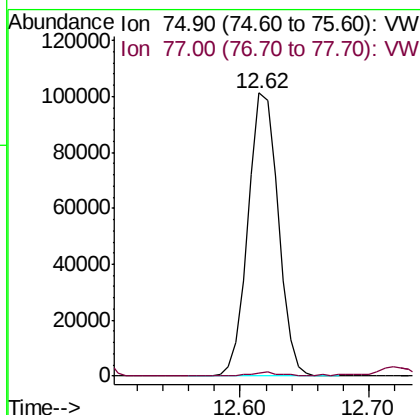
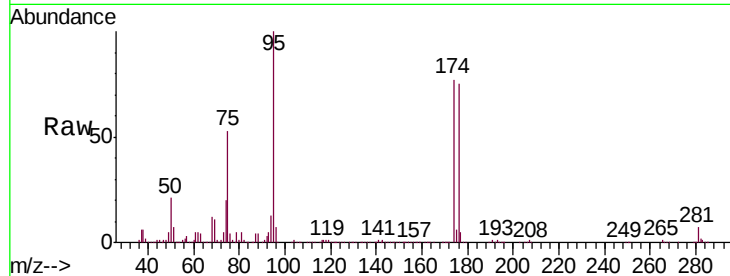




#76
 1,2,3-Trichloropropane
 Concen: 60.522 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.15 min
 Lab File: VW008609.D
 Acq: 11 Feb 2019 20:28

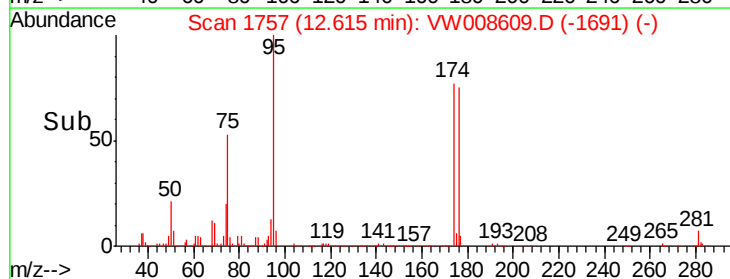
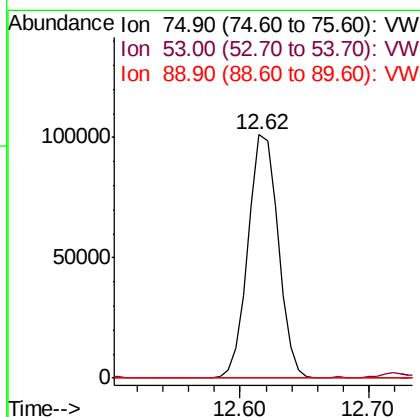
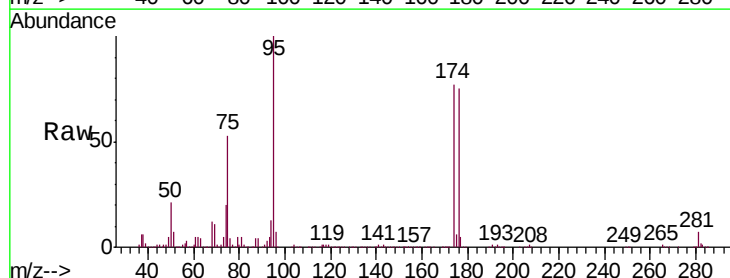
Instrument :
 MSVOA_W
 ClientSampled :
 TEST-PIT-4

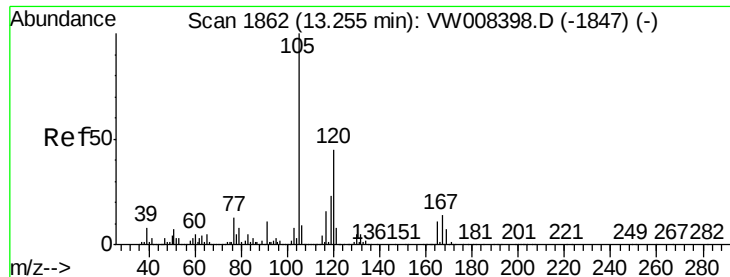
Tgt Ion: 75 Resp: 163384
 Ion Ratio Lower Upper
 75 100
 77 0.0 180.7 542.1#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 119.536 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW008609.D
 Acq: 11 Feb 2019 20:28

Tgt Ion: 75 Resp: 163384
 Ion Ratio Lower Upper
 75 100
 53 0.0 76.0 114.0#
 89 0.0 35.4 53.0#

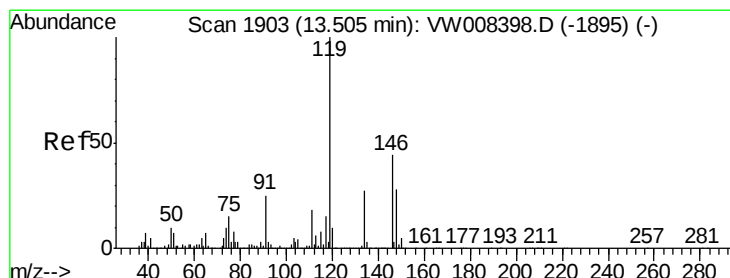
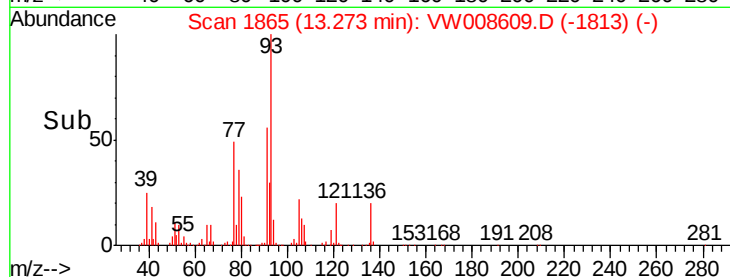
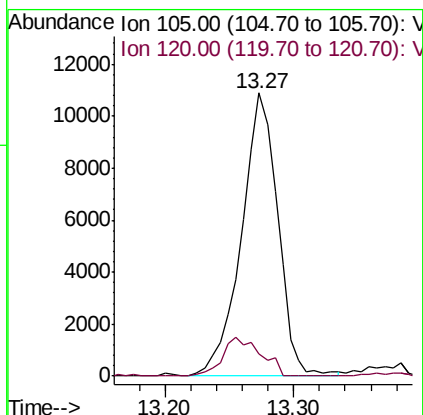
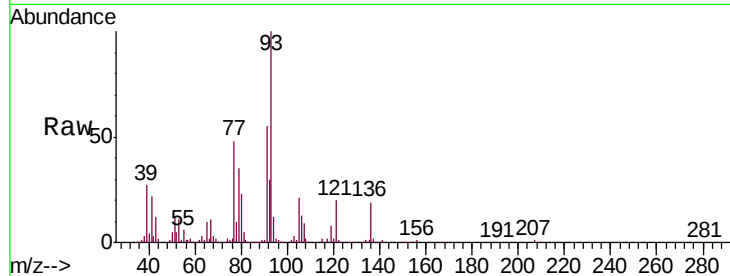




#84
 1,2,4-Trimethylbenzene
 Concen: 1.082 ug/l
 RT: 13.27 min Scan# 1865
 Delta R.T. 0.02 min
 Lab File: VW008609.D
 Acq: 11 Feb 2019 20:28

Instrument :
 MSVOA_W
 ClientSampleId :
 TEST-PIT-4

Tgt Ion:105 Resp: 21283
 Ion Ratio Lower Upper
 105 100
 120 14.6 23.1 69.2#



#86
 p-Isopropyltoluene
 Concen: 2.389 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.01 min
 Lab File: VW008609.D
 Acq: 11 Feb 2019 20:28

Tgt Ion:119 Resp: 51457
 Ion Ratio Lower Upper
 119 100
 134 28.7 13.4 40.2
 91 0.0 12.6 37.6#

