

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW112118\
 Data File : VW006990.D
 Acq On : 20 Nov 2018 22:14
 Operator : SY/AP
 Sample : J5993-04RE
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Nov 21 04:50:59 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W112118S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 21 03:23:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	31953	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	51699	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	44247	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	16071	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	18053	57.71	ug/l	0.00
Spiked Amount			Recovery	=	115.42%	
35) Dibromofluoromethane	0.00	113	0	0.00	ug/l	
Spiked Amount			Recovery	=	0.00%	
50) Toluene-d8	10.32	98	54145	42.00	ug/l	0.00
Spiked Amount			Recovery	=	84.00%	
62) 4-Bromofluorobenzene	12.62	95	18377	36.22	ug/l	0.00
Spiked Amount			Recovery	=	72.44%	

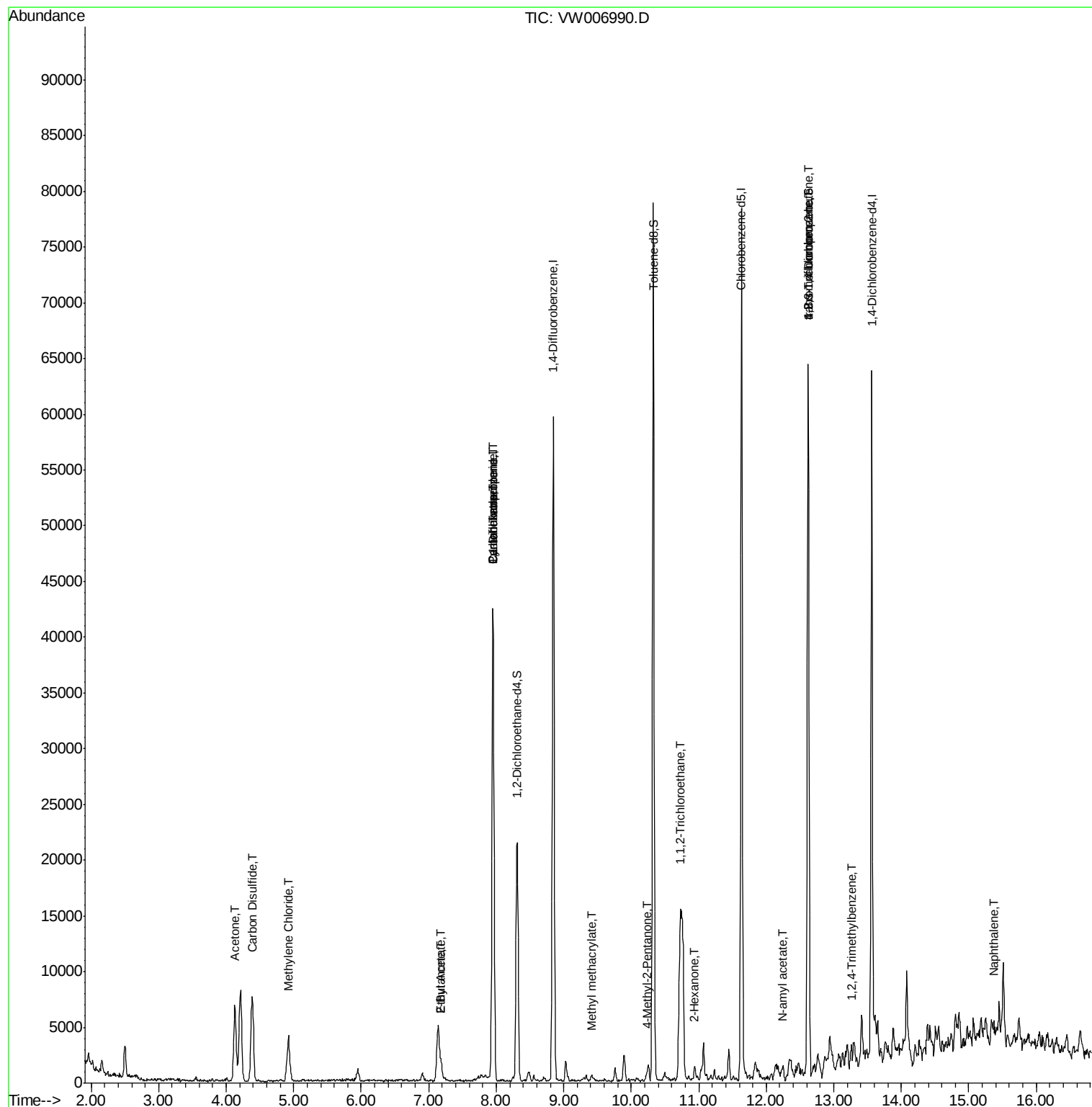
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.13	43	11961	263.349	ug/l	96
17) Carbon Disulfide	4.39	76	15362	16.429	ug/l	99
20) Methylene Chloride	4.93	84	2950	3.083	ug/l	88
25) 2-Butanone	7.18	43	2801	36.007	ug/l	94
31) Cyclohexane	7.95	56	646	1.072	ug/l #	1
36) 1,1-Dichloropropene	7.96	75	2595	5.136	ug/l #	47
37) Ethyl Acetate	7.18	43	2801	15.300	ug/l #	69
38) Carbon Tetrachloride	7.95	117	3251	6.720	ug/l #	16
48) Methyl methacrylate	9.42	41	240	1.427	ug/l #	31
51) 4-Methyl-2-Pentanone	10.23	43	570	3.233	ug/l #	74
55) 1,1,2-Trichloroethane	10.74	97	418	1.688	ug/l #	15
59) 2-Hexanone	10.94	43	609	5.044	ug/l #	24
74) N-amyl acetate	12.25	43	651	3.110	ug/l #	31
76) 1,2,3-Trichloropropane	12.62	75	9079	71.893	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	9079	180.494	ug/l #	10
84) 1,2,4-Trimethylbenzene	13.26	105	1453	1.350	ug/l	93
95) Naphthalene	15.38	128	1800	3.134	ug/l #	89

(#) = 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. 0.00 min

Lab File: VW006990.D

Acq: 20 Nov 2018 22:14

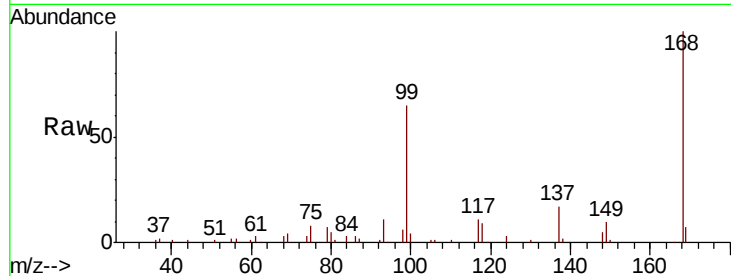
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 31953

Ion Ratio Lower Upper

168 100

99 65.4 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

15000

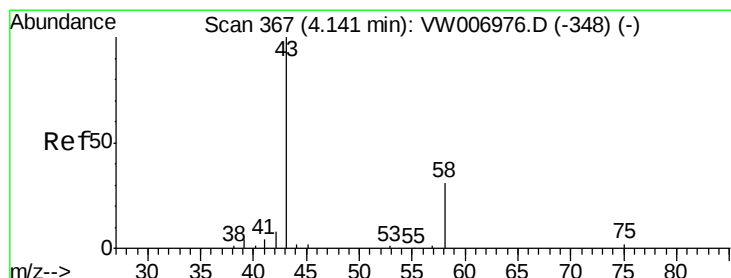
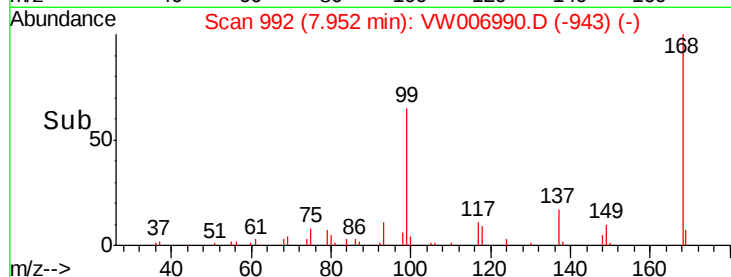
10000

5000

0

Time-->

7.85 7.90 7.95 8.00 8.05



#16

Acetone

Concen: 263.349 ug/l

RT: 4.13 min Scan# 365

Delta R.T. -0.01 min

Lab File: VW006990.D

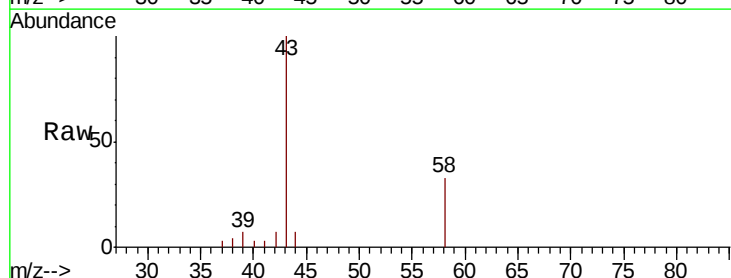
Acq: 20 Nov 2018 22:14

Tgt Ion: 43 Resp: 11961

Ion Ratio Lower Upper

43 100

58 33.1 24.8 37.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.13

5000

4000

3000

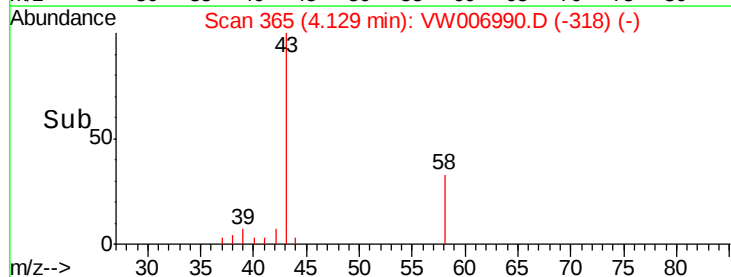
2000

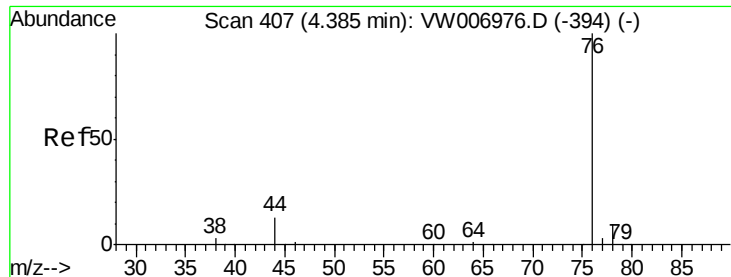
1000

0

Time-->

4.00 4.10 4.20





#17

Carbon Disulfide

Concen: 16.429 ug/l

RT: 4.39 min Scan# 407

Delta R.T. -0.00 min

Lab File: VW006990.D

Acq: 20 Nov 2018 22:14

Instrument :

MSVOA_W

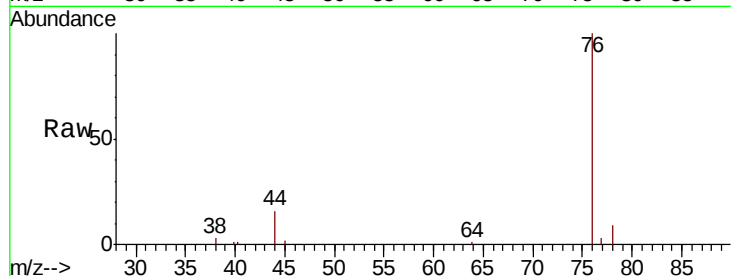
ClientSampleId :

Tot Ion: 76 Resp: 15362

Ion Ratio Lower Upper

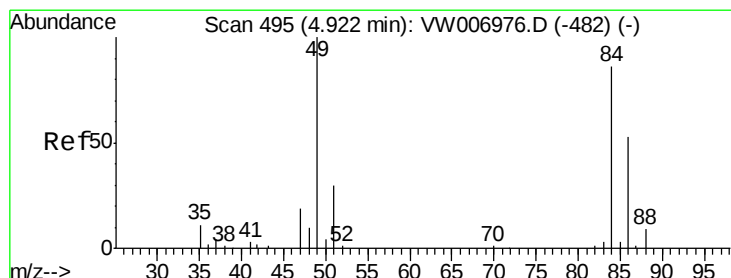
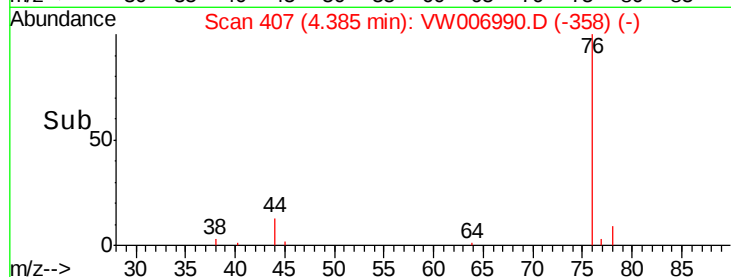
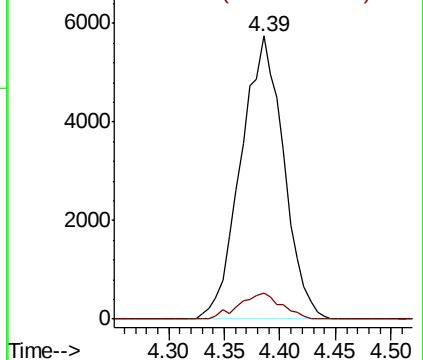
76 100

78 9.3 7.8 11.6



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#20

Methylene Chloride

Concen: 3.083 ug/l

RT: 4.93 min Scan# 496

Delta R.T. 0.01 min

Lab File: VW006990.D

Acq: 20 Nov 2018 22:14

Tgt Ion: 84 Resp: 2950

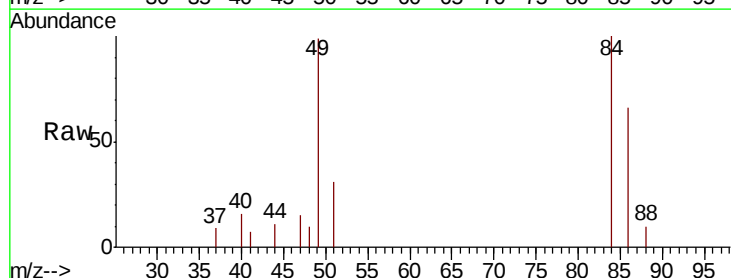
Ion Ratio Lower Upper

84 100

49 98.8 93.4 140.0

51 31.1 28.4 42.6

86 66.4 49.8 74.8

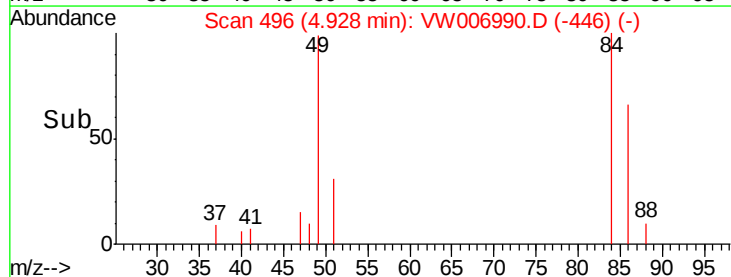
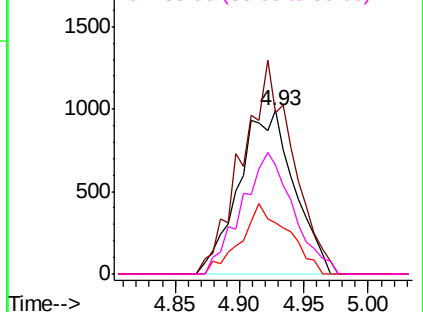


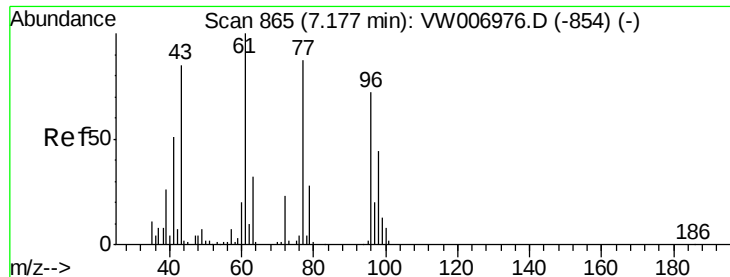
Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW





#25

2-Butanone

Concen: 36.007 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.00 min

Lab File: VW006990.D

Acq: 20 Nov 2018 22:14

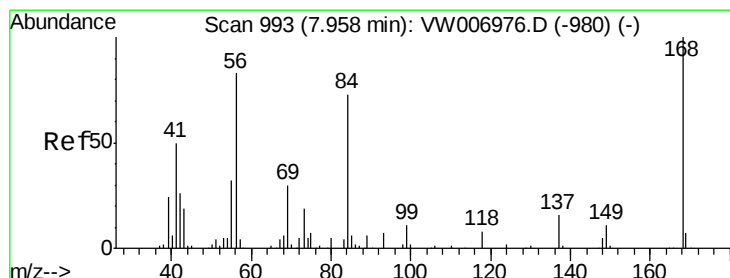
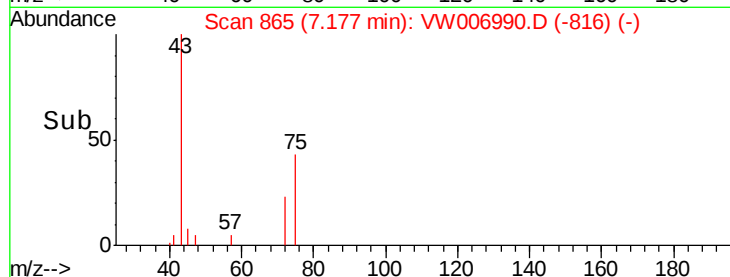
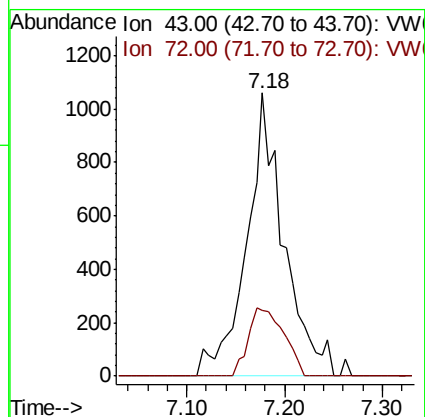
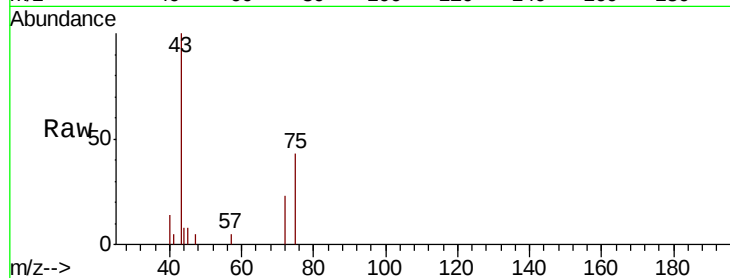
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 2801

Ion Ratio Lower Upper

43 100

72 23.4 21.3 31.9



#31

Cyclohexane

Concen: 1.072 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW006990.D

Acq: 20 Nov 2018 22:14

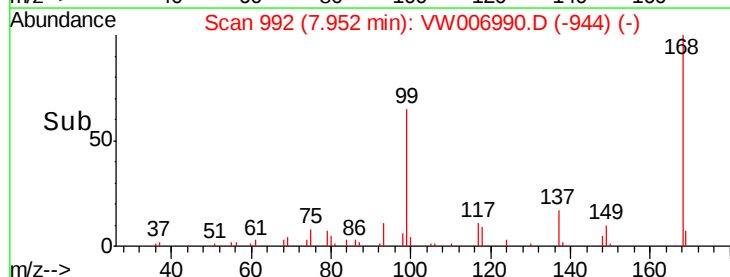
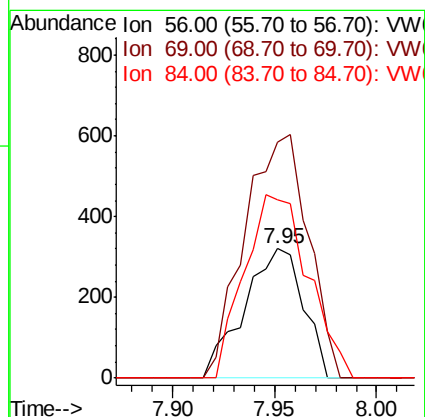
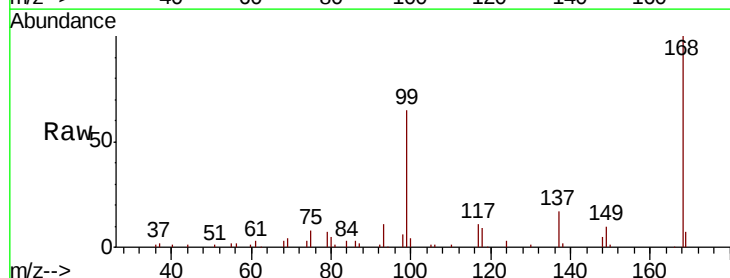
Tgt Ion: 56 Resp: 646

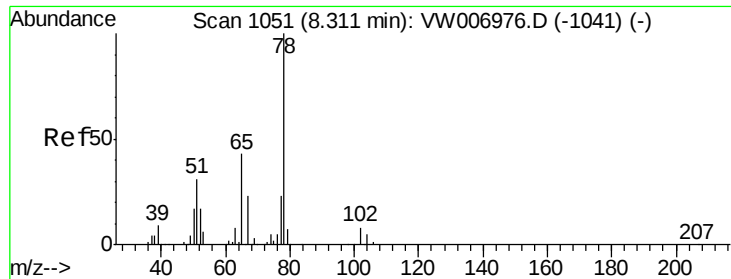
Ion Ratio Lower Upper

56 100

69 181.9 29.1 43.7#

84 137.7 70.6 105.8#





#33

1,2-Dichloroethane-d4

Concen: 57.709 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VW006990.D

Acq: 20 Nov 2018 22:14

Instrument :

MSVOA_W

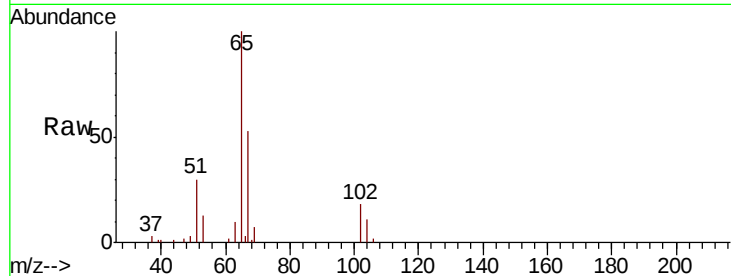
ClientSampleId :

Tot Ion: 65 Resp: 18053

Ion Ratio Lower Upper

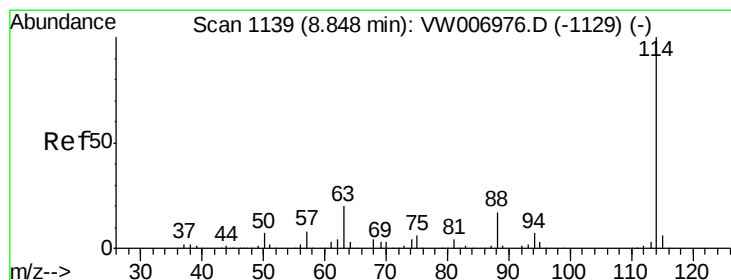
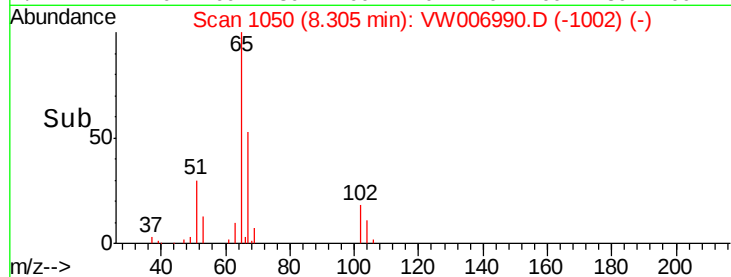
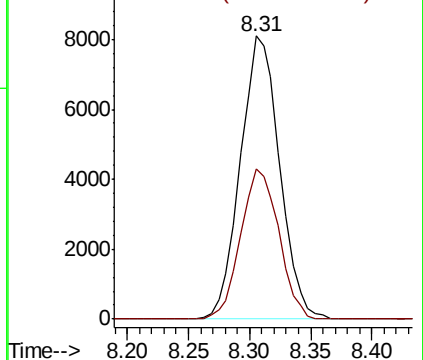
65 100

67 51.4 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1139

Delta R.T. 0.00 min

Lab File: VW006990.D

Acq: 20 Nov 2018 22:14

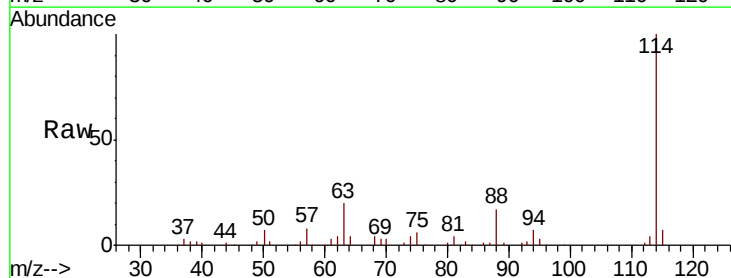
Tgt Ion: 114 Resp: 51699

Ion Ratio Lower Upper

114 100

63 19.6 0.0 39.4

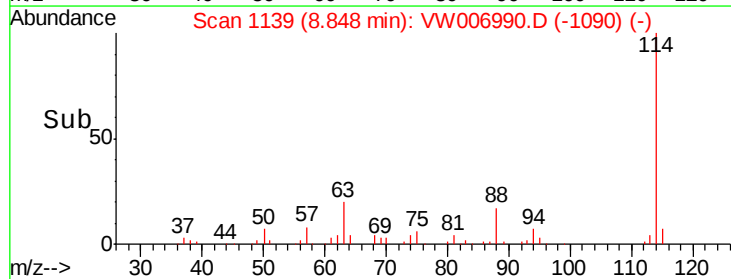
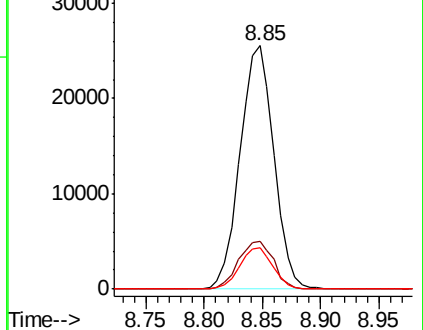
88 17.0 0.0 34.2

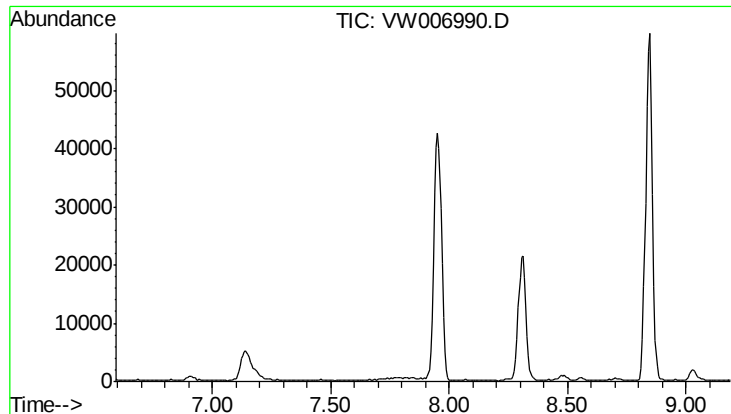


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

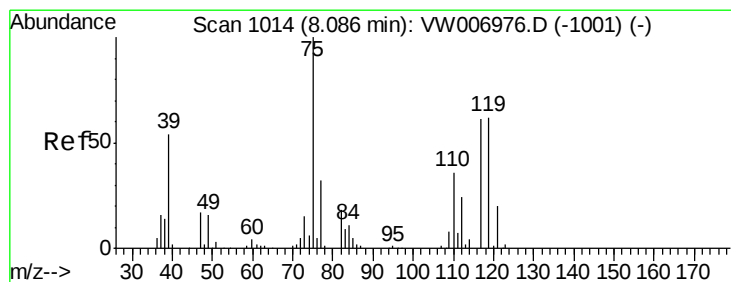
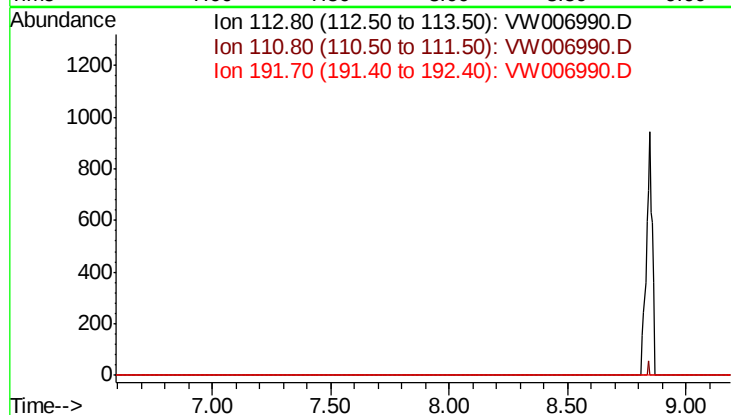




#35
 Dibromofluoromethane
 Concen: 0.000 ug/l
 Expected RT: 7.89 min
 Lab File: VW006990.D
 Acq: 20 Nov 2018 22:14

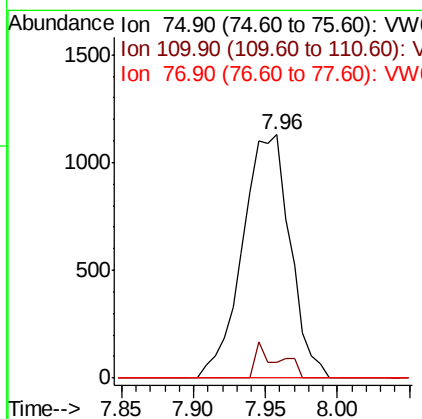
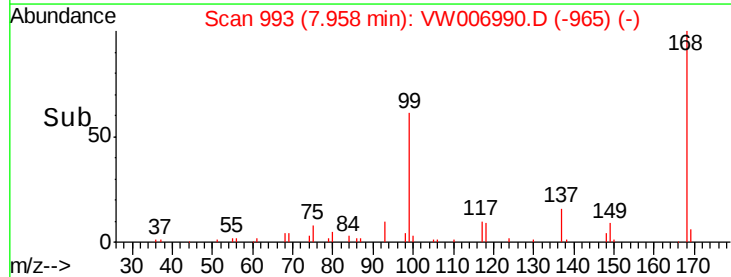
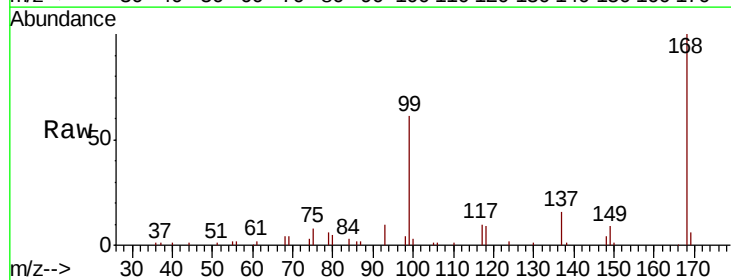
Instrument :
 MSVOA_W
 ClientSampleId :

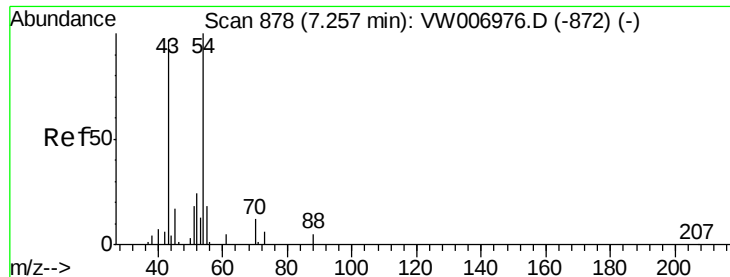
Tot Ion: 113
 Sig Exp Ratio
 113 100
 111 101.3
 192 18.8



#36
 1,1-Dichloropropene
 Concen: 5.136 ug/l
 RT: 7.96 min Scan# 993
 Delta R.T. -0.13 min
 Lab File: VW006990.D
 Acq: 20 Nov 2018 22:14

Tgt Ion: 75 Resp: 2595
 Ion Ratio Lower Upper
 75 100
 110 6.9 18.0 54.0#
 77 0.0 24.9 37.3#

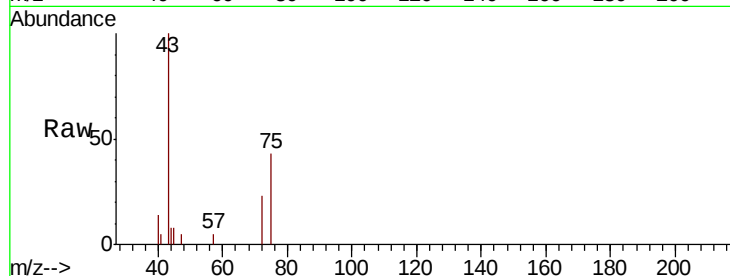




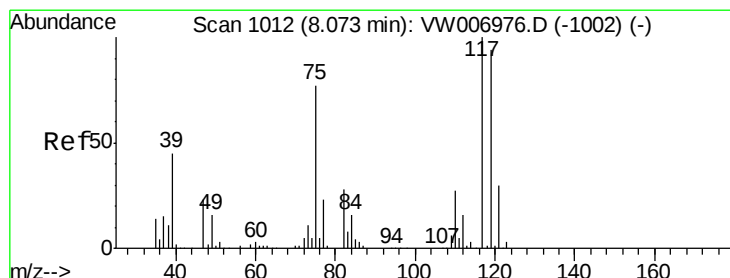
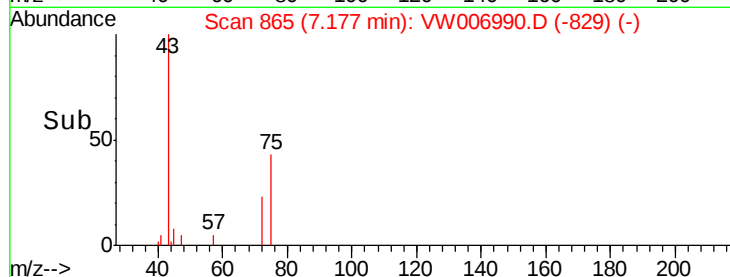
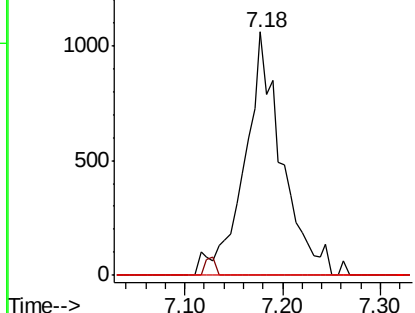
#37
Ethyl Acetate
Concen: 15.300 ug/l
RT: 7.18 min Scan# 865
Delta R.T. -0.08 min
Lab File: VW006990.D
Acq: 20 Nov 2018 22:14

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 2801
Ion Ratio Lower Upper
43 100
61 0.0 10.4 15.6#
70 0.0 8.8 13.2#

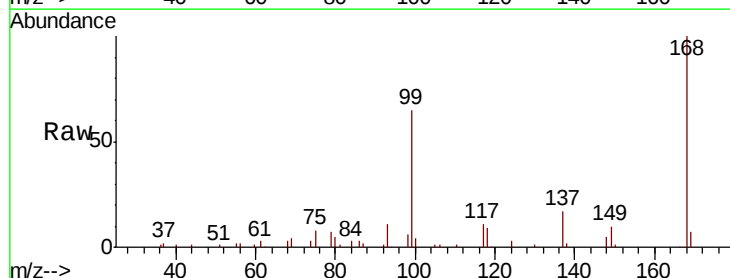


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 70.00 (69.70 to 70.70): VW

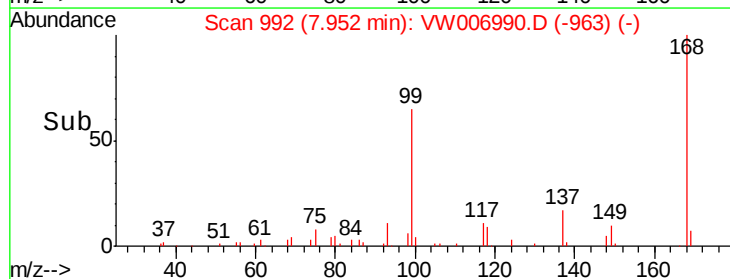
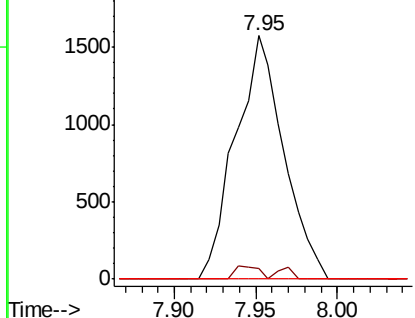


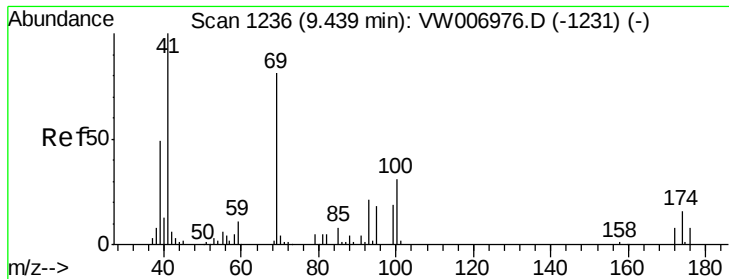
#38
Carbon Tetrachloride
Concen: 6.720 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW006990.D
Acq: 20 Nov 2018 22:14

Tgt Ion: 117 Resp: 3251
Ion Ratio Lower Upper
117 100
119 4.4 74.9 112.3#
121 0.0 23.6 35.4#



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

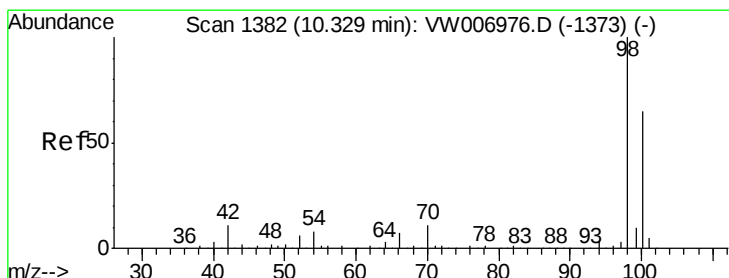
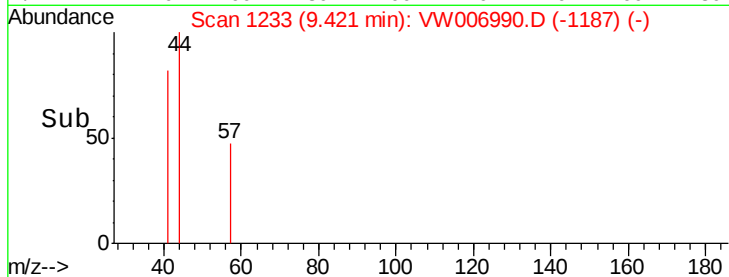
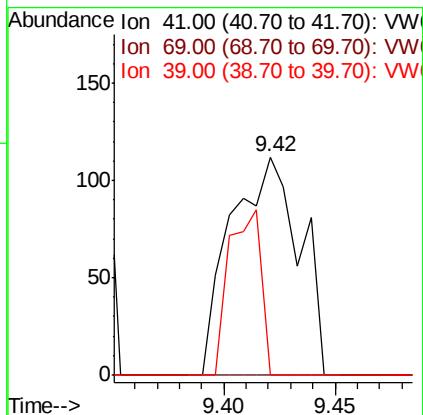
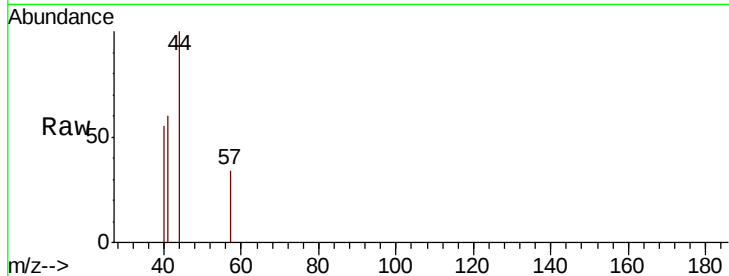




#48
Methvl methacrylate
Concen: 1.427 ug/l
RT: 9.42 min Scan# 1233
Delta R.T. -0.02 min
Lab File: VW006990.D
Acq: 20 Nov 2018 22:14

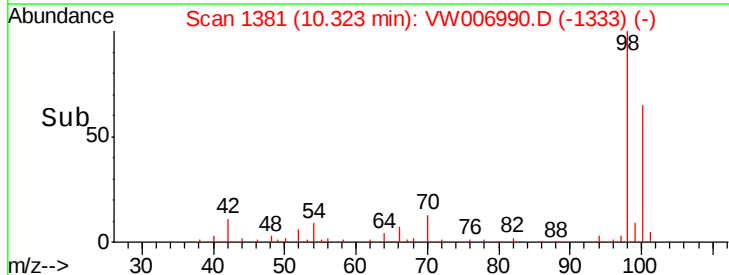
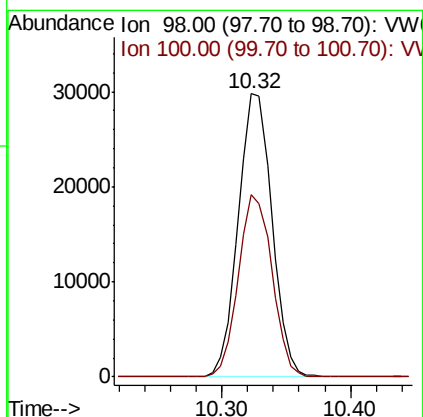
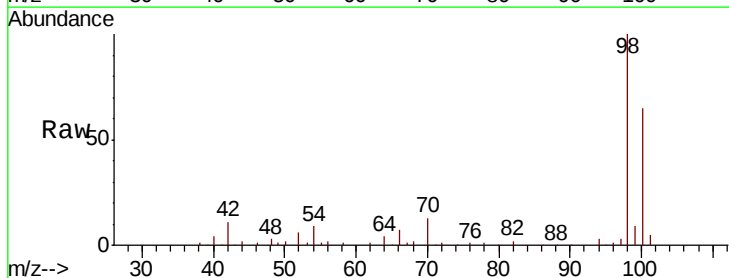
Instrument :
MSVOA_W
ClientSampleId :

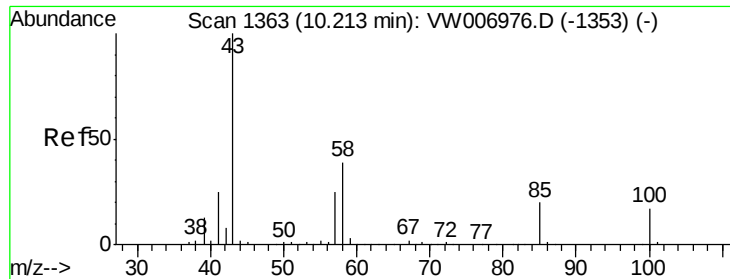
Tot Ion: 41 Resp: 240
Ion Ratio Lower Upper
41 100
69 0.0 71.4 107.0#
39 35.4 44.8 67.2#



#50
Toluene-d8
Concen: 41.997 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.01 min
Lab File: VW006990.D
Acq: 20 Nov 2018 22:14

Tgt Ion: 98 Resp: 54145
Ion Ratio Lower Upper
98 100
100 64.3 52.2 78.2





#51

4-Methyl-2-Pentanone

Concen: 3.233 ug/l

RT: 10.23 min Scan# 1365

Delta R.T. 0.01 min

Lab File: VW006990.D

Acq: 20 Nov 2018 22:14

Instrument :

MSVOA_W

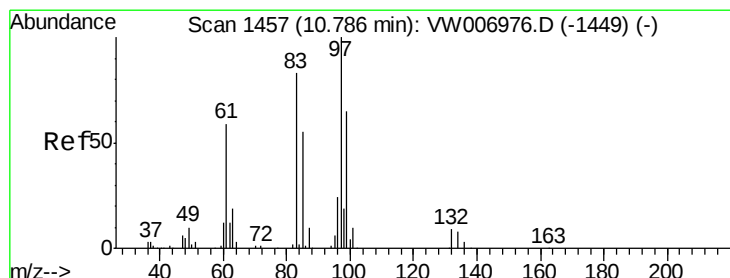
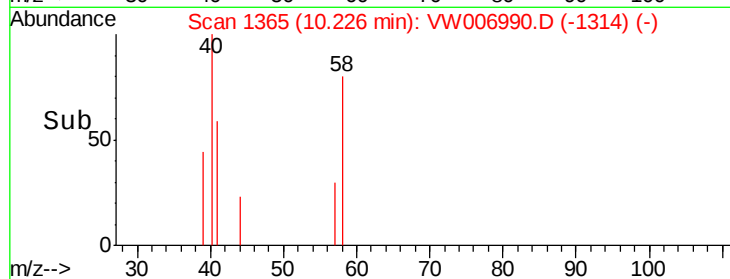
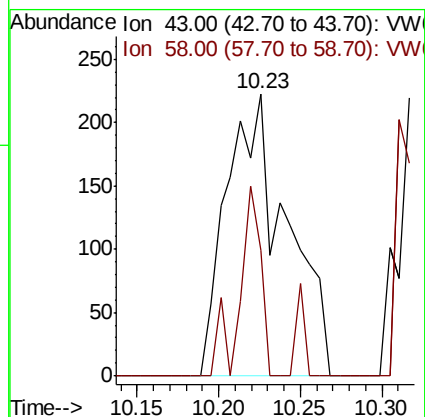
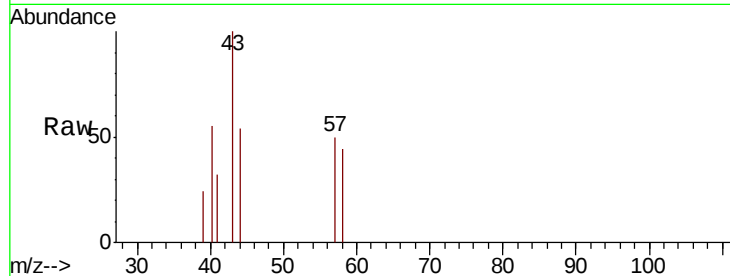
ClientSampleId :

Tot Ion: 43 Resp: 570

Ion Ratio Lower Upper

43 100

58 23.7 31.8 47.6#



#55

1,1,2-Trichloroethane

Concen: 1.688 ug/l

RT: 10.74 min Scan# 1449

Delta R.T. -0.05 min

Lab File: VW006990.D

Acq: 20 Nov 2018 22:14

Tgt Ion: 97 Resp: 418

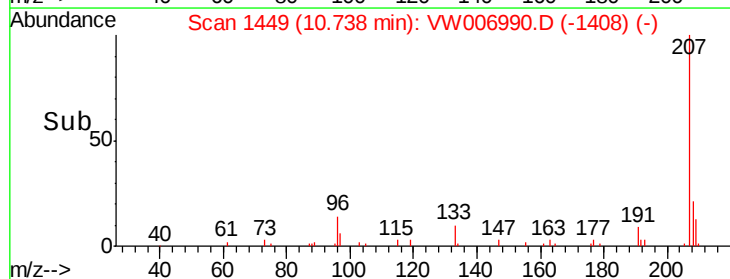
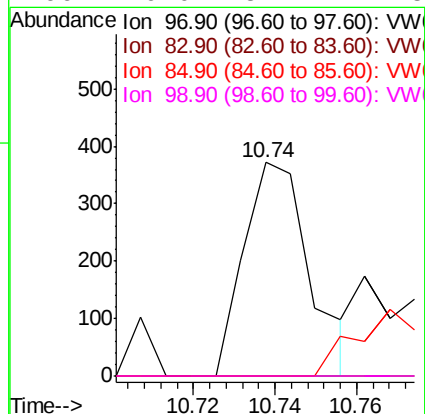
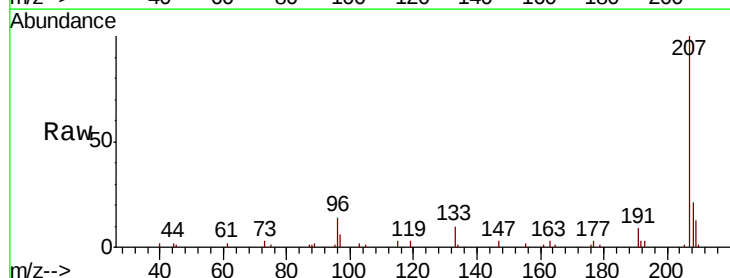
Ion Ratio Lower Upper

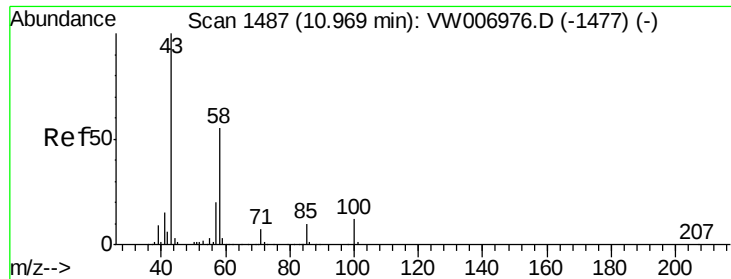
97 100

83 0.0 66.4 99.6#

85 0.0 44.1 66.1#

99 0.0 51.7 77.5#

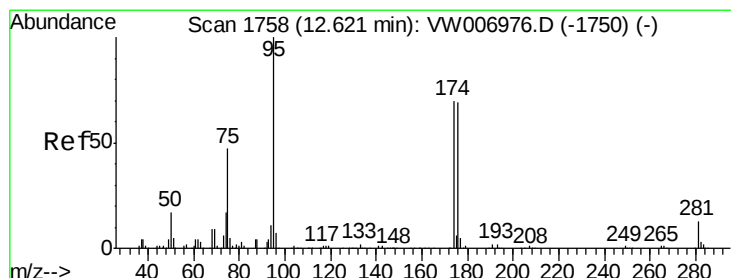
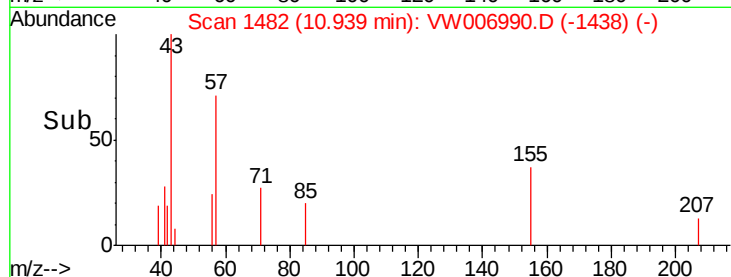
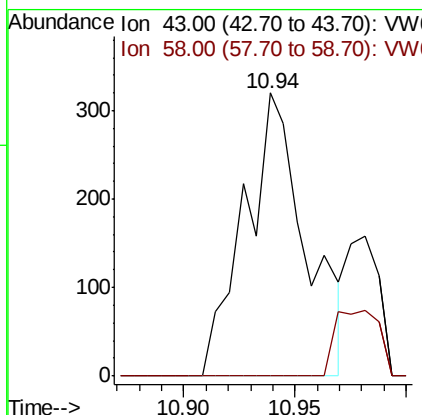
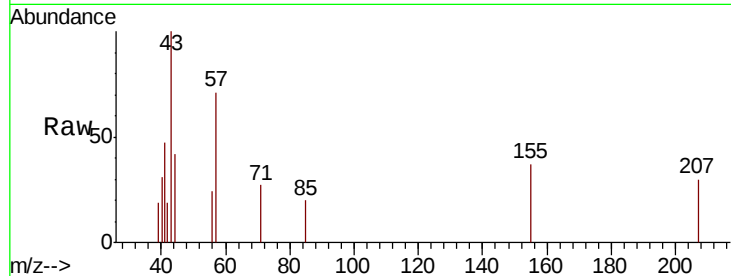




#59
2-Hexanone
Concen: 5.044 ug/l
RT: 10.94 min Scan# 1482
Delta R.T. -0.03 min
Lab File: VW006990.D
Acq: 20 Nov 2018 22:14

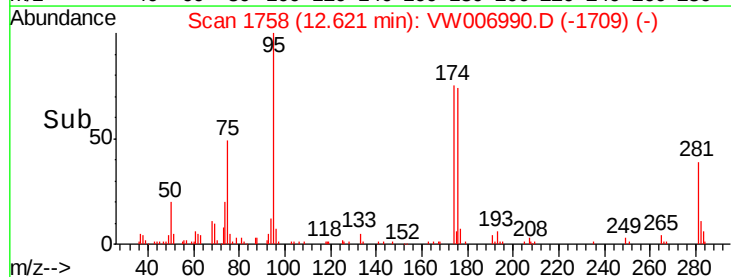
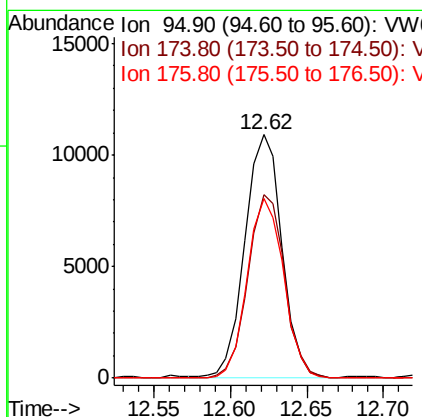
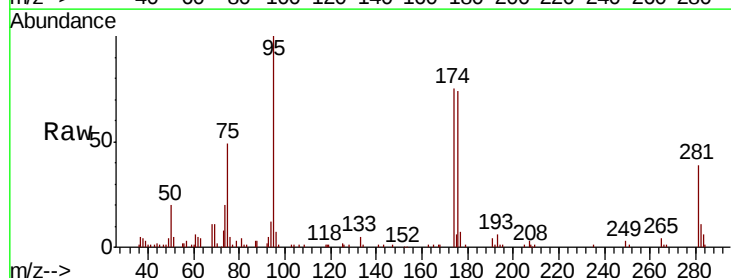
Instrument :
MSVOA_W
ClientSampled :

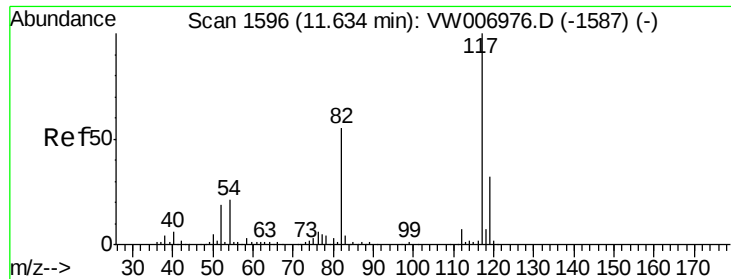
Tot Ion: 43 Resp: 609
Ion Ratio Lower Upper
43 100
58 0.0 27.3 81.8#



#62
4-Bromofluorobenzene
Concen: 36.222 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW006990.D
Acq: 20 Nov 2018 22:14

Tgt Ion: 95 Resp: 18377
Ion Ratio Lower Upper
95 100
174 74.6 0.0 143.6
176 72.6 0.0 140.4

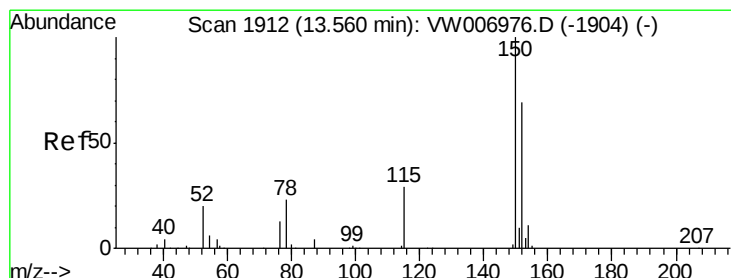
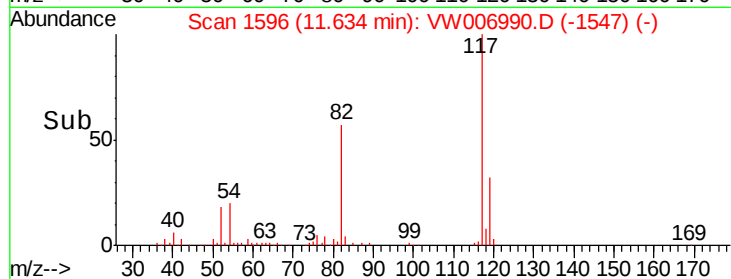
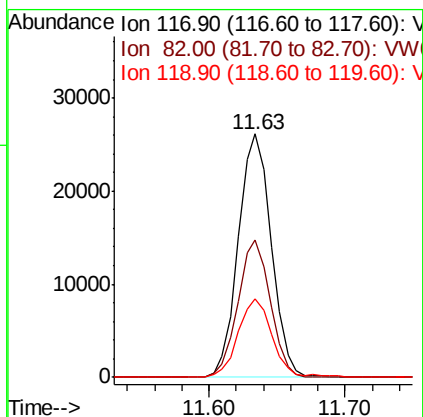
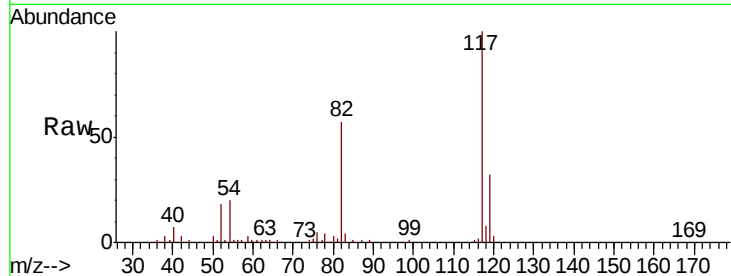




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW006990.D
Acq: 20 Nov 2018 22:14

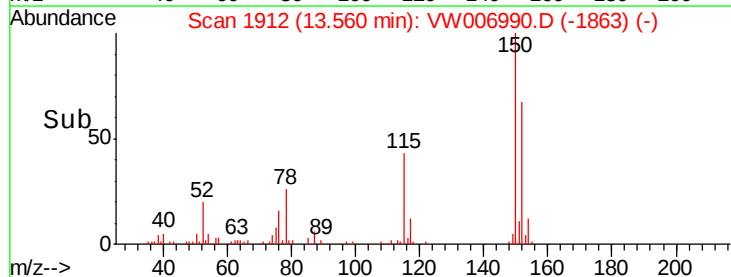
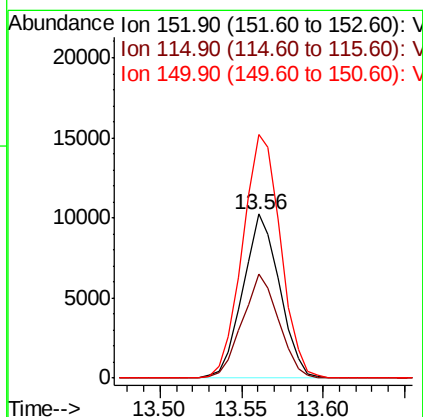
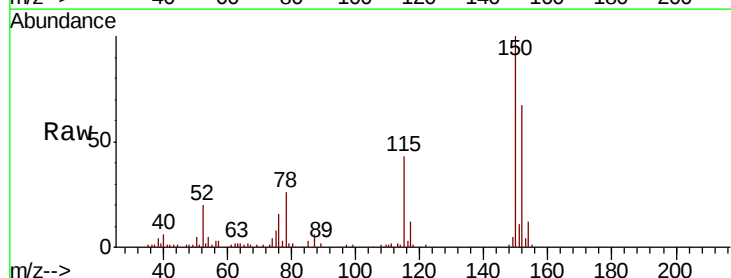
Instrument :
MSVOA_W
ClientSampleId :

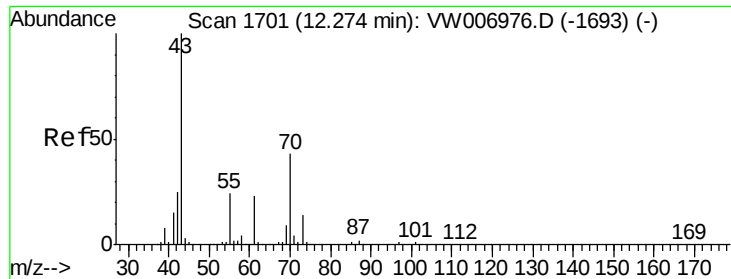
Tot Ion:117 Resp: 44247
Ion Ratio Lower Upper
117 100
82 56.6 44.2 66.2
119 32.1 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW006990.D
Acq: 20 Nov 2018 22:14

Tgt Ion:152 Resp: 16071
Ion Ratio Lower Upper
152 100
115 62.8 31.4 94.2
150 153.7 0.0 353.4





#74

N-amvl acetate

Concen: 3.110 ug/l

RT: 12.25 min Scan# 1697

Delta R.T. -0.02 min

Lab File: VW006990.D

Acq: 20 Nov 2018 22:14

Instrument :

MSVOA_W

ClientSampled :

Tot Ion: 43 Resp: 651

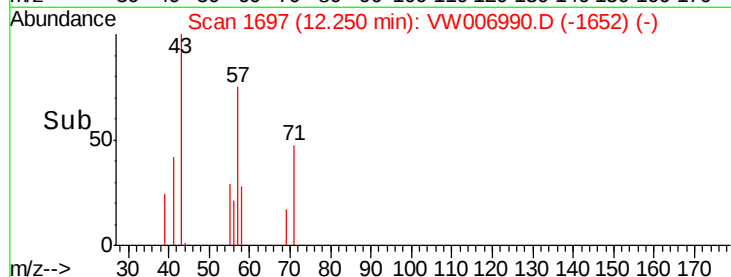
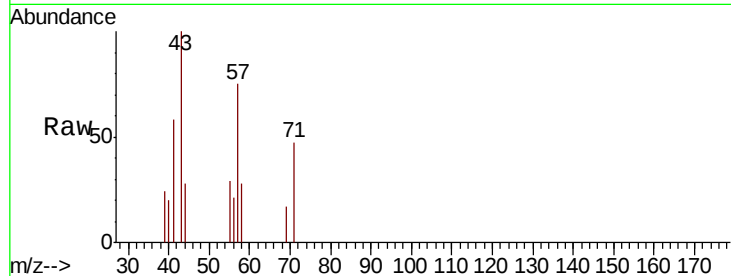
Ion Ratio Lower Upper

43 100

70 0.0 34.0 51.0#

55 69.9 19.4 29.0#

61 0.0 19.4 29.2#

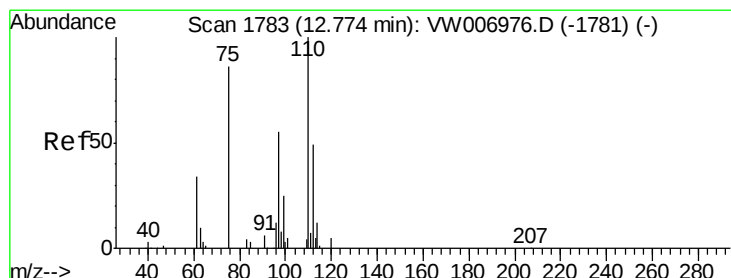
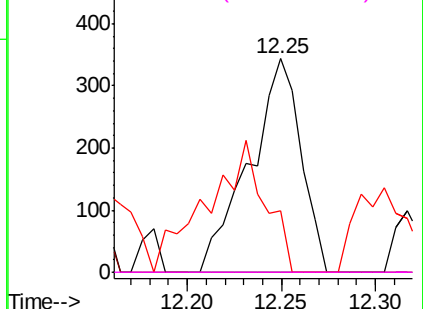


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW



#76

1,2,3-Trichloropropane

Concen: 71.893 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW006990.D

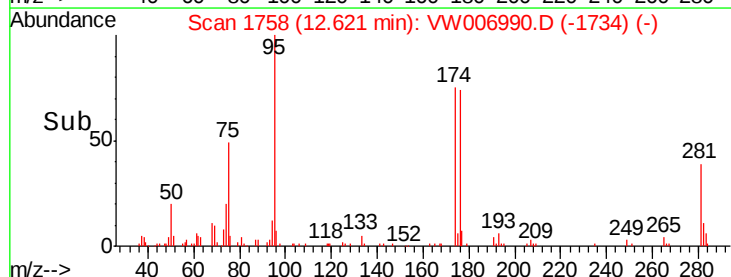
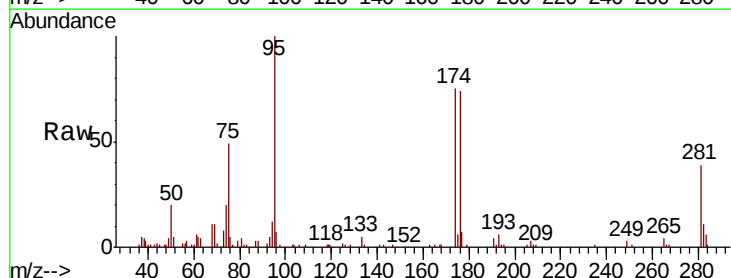
Acq: 20 Nov 2018 22:14

Tgt Ion: 75 Resp: 9079

Ion Ratio Lower Upper

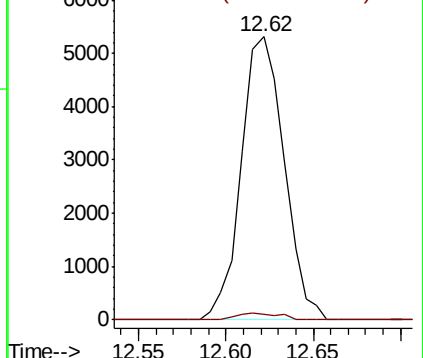
75 100

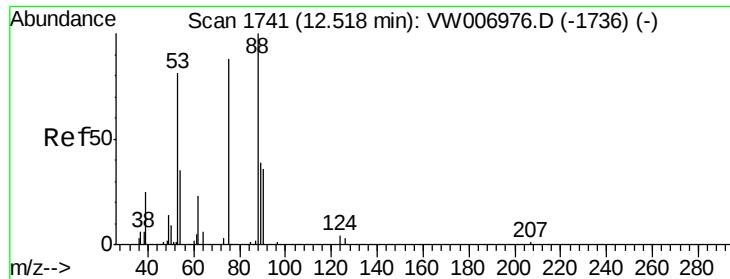
77 2.3 0.0 0.0#



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: 180.494 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW006990.D

Acq: 20 Nov 2018 22:14

Instrument :

MSVOA_W

ClientSampleId :

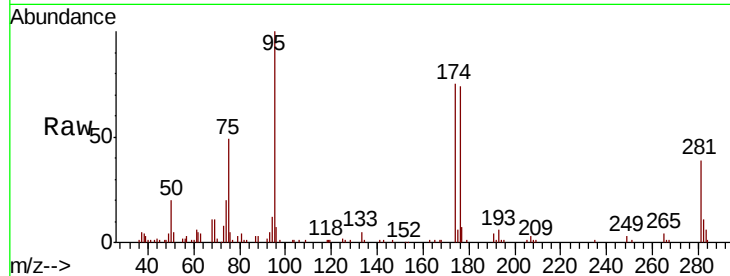
Tot Ion: 75 Resp: 9079

Ion Ratio Lower Upper

75 100

53 0.0 77.6 116.4#

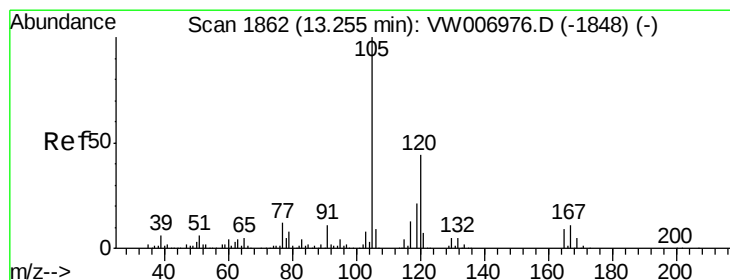
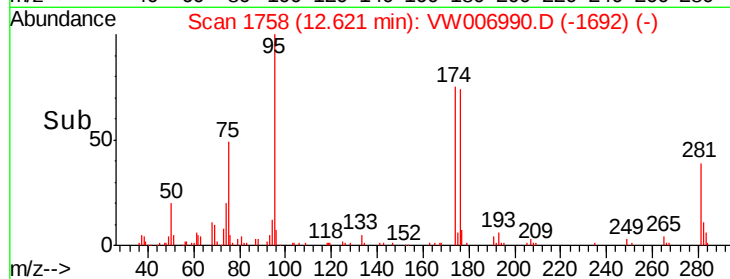
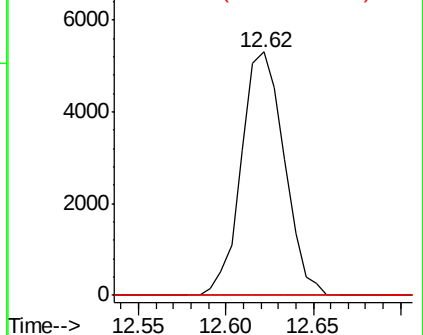
89 0.0 39.3 58.9#



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



#84

1,2,4-Trimethylbenzene

Concen: 1.350 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. 0.00 min

Lab File: VW006990.D

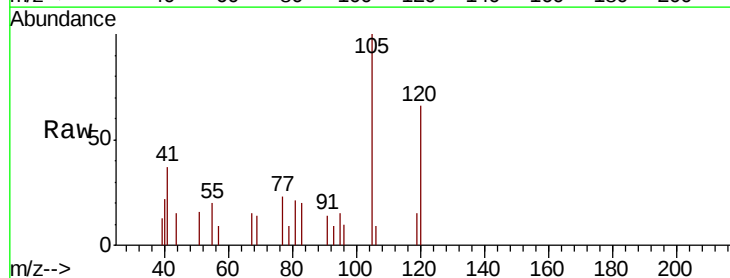
Acq: 20 Nov 2018 22:14

Tgt Ion: 105 Resp: 1453

Ion Ratio Lower Upper

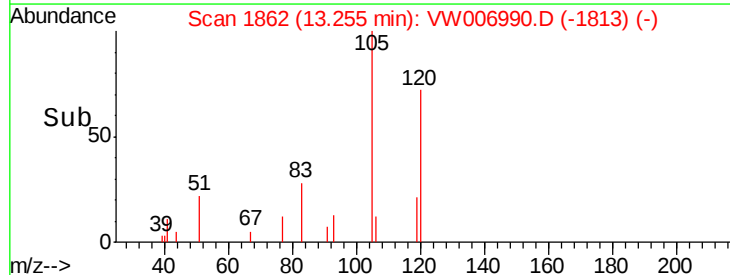
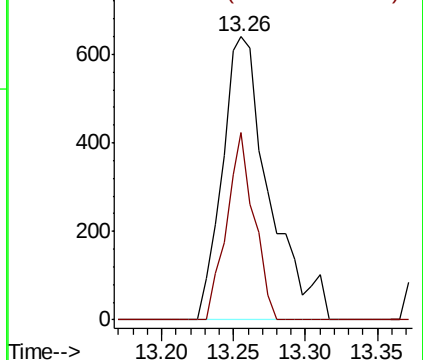
105 100

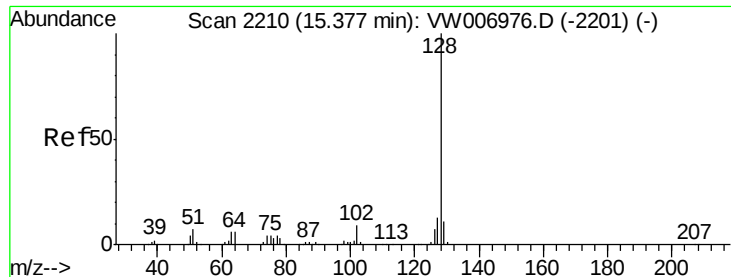
120 38.9 21.8 65.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

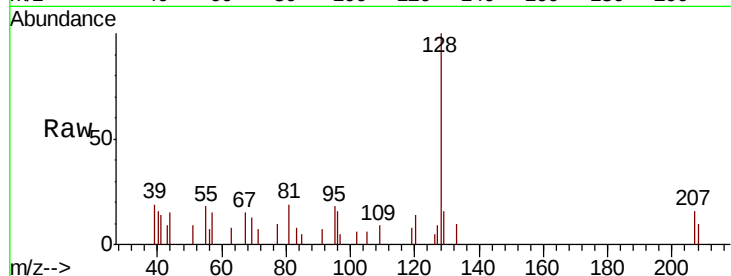




#95
Naphthalene
Concen: 3.134 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.00 min
Lab File: VW006990.D
Acq: 20 Nov 2018 22:14

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	16.1	10.5	15.7#
129	16.6	8.7	13.1#



Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

