

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090119\
 Data File : VW012449.D
 Acq On : 01 Sep 2019 15:40
 Operator : SY/VA
 Sample : K4517-14
 Misc : 5.03G/5ML/MSVOA W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 T4-S-C-(2.5)

Quant Time: Sep 02 07:19:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 26 07:18:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	0.00	168	0	0.00	ug/l	-7.95
34) 1,4-Difluorobenzene	8.87	114	75	50.00	ug/l	0.03
63) Chlorobenzene-d5	0.00	117	0	0.00	ug/l	-11.63
72) 1,4-Dichlorobenzene-d4	0.00	152	0	0.00	ug/l	-13.56

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.45	65	24	0.00	ug/l	0.14
Spiked Amount 50.000			Recovery	=	0.00%	
35) Dibromofluoromethane	7.92	113	22	49.14	ug/l	0.03
Spiked Amount 50.000			Recovery	=	98.28%	
50) Toluene-d8	10.62	98	26	14.32	ug/l	0.29
Spiked Amount 50.000			Recovery	=	28.64%	
62) 4-Bromofluorobenzene	0.00	95	0	0.00	ug/l	
Spiked Amount 50.000			Recovery	=	0.00%	

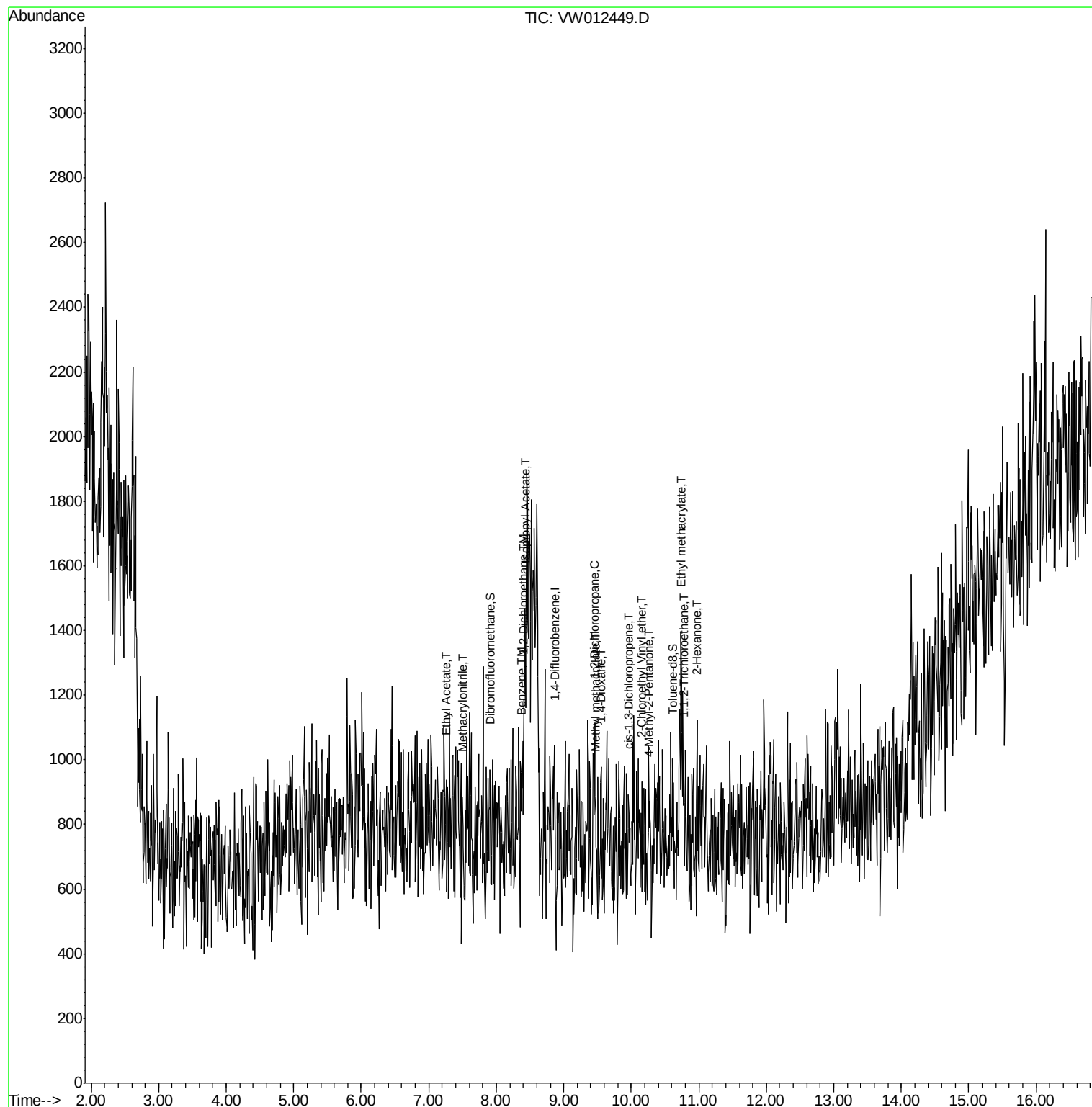
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
37) Ethyl Acetate	7.27	43	22	51.800	ug/l #	73
40) Benzene	8.37	78	52	24.571	ug/l #	51
41) Methacrylonitrile	7.50	41	41	164.252	ug/l #	35
42) 1,2-Dichloroethane	8.40	62	54	81.415	ug/l #	77
43) Isopropyl Acetate	8.43	43	34	43.219	ug/l #	55
45) 1,2-Dichloropropane	9.46	63	24	42.138	ug/l #	43
48) Methyl methacrylate	9.47	41	22	58.756	ug/l #	1
49) 1,4-Dioxane	9.55	88	19	4897.570	ug/l #	48
51) 4-Methyl-2-Pentanone	10.27	43	53	132.454	ug/l #	40
54) cis-1,3-Dichloropropene	9.96	75	42	50.632	ug/l #	28
55) 1,1,2-Trichloroethane	10.78	97	30	83.671	ug/l #	14
56) Ethyl methacrylate	10.74	69	22	42.159	ug/l #	1
58) 2-Chloroethyl Vinyl ether	10.16	63	27	100.815	ug/l #	50
59) 2-Hexanone	10.98	43	22	77.705	ug/l #	28

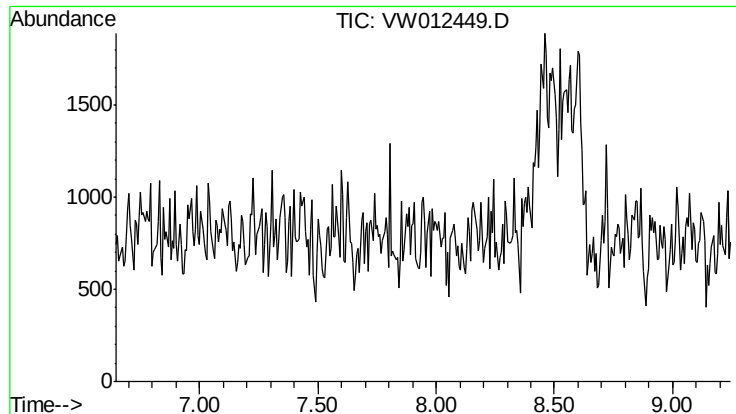
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
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Response via : Initial Calibration

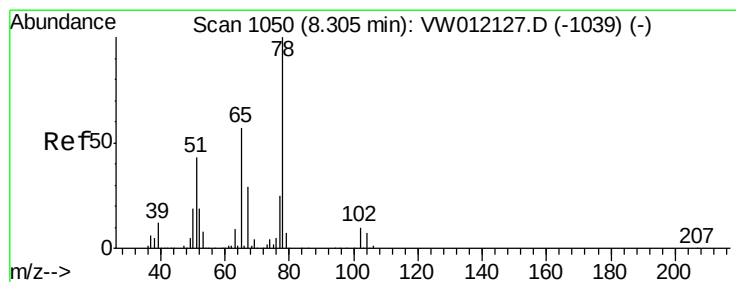
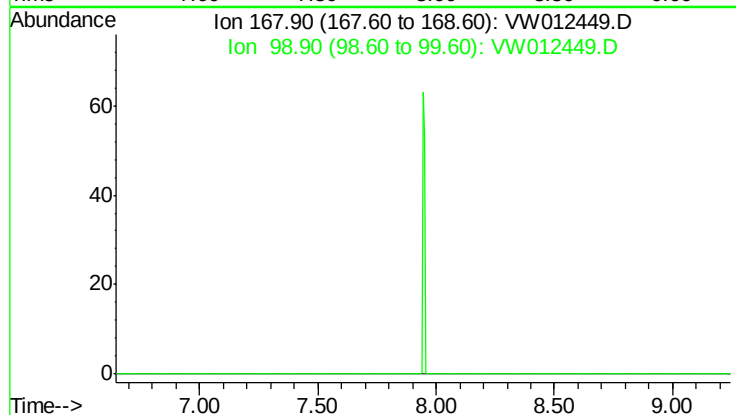




#1
 Pentafluorobenzene
 Concen: 0.000 ug/l
 Expected RT: 7.95 min
 Lab File: VW012449.D
 Acq: 01 Sep 2019 15:40

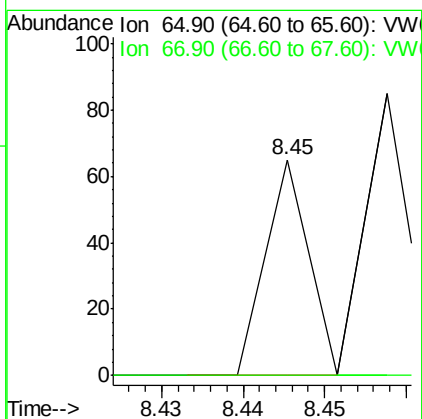
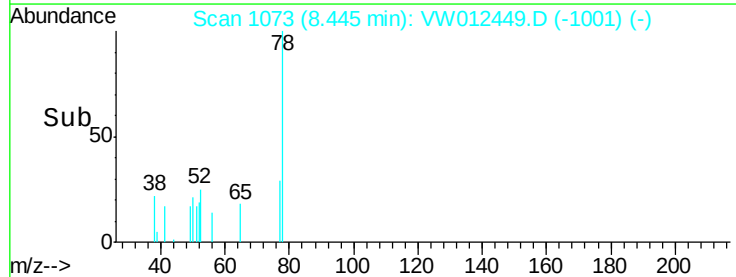
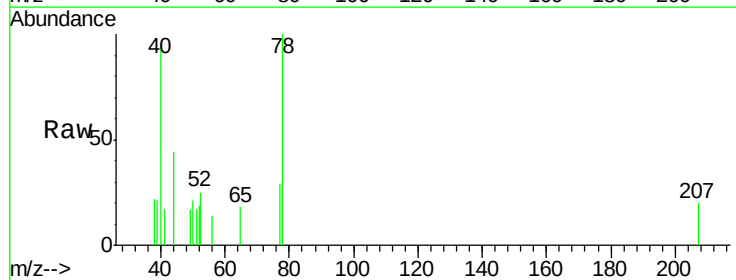
Instrument :
 MSVOA_W
 ClientSampleId :
 T4-S-C-(2.5)

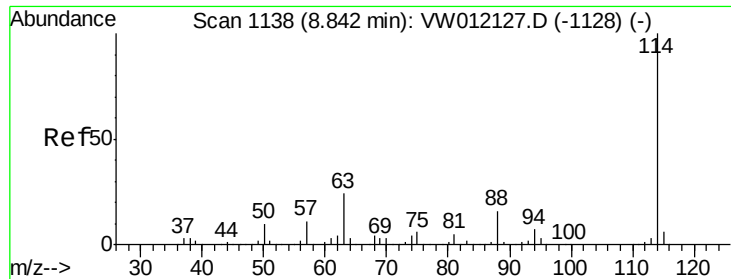
Tot Ion: 168
 Sig Exp Ratio
 168 100
 99 61.5



#33
 1,2-Dichloroethane-d4
 Concen: 0.000 ug/l
 RT: 8.45 min Scan# 1073
 Delta R.T. 0.14 min
 Lab File: VW012449.D
 Acq: 01 Sep 2019 15:40

Tgt Ion: 65 Resp: 24
 Ion Ratio Lower Upper
 65 100
 67 0.0 0.0 102.6

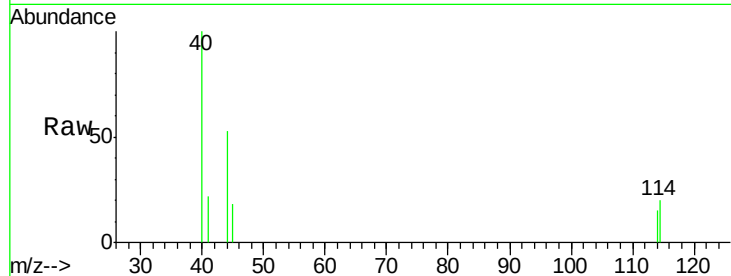




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1143
 Delta R.T. 0.03 min
 Lab File: VW012449.D
 Acq: 01 Sep 2019 15:40

Instrument :
 MSVOA_W
 ClientSampleId :
 T4-S-C-(2.5)

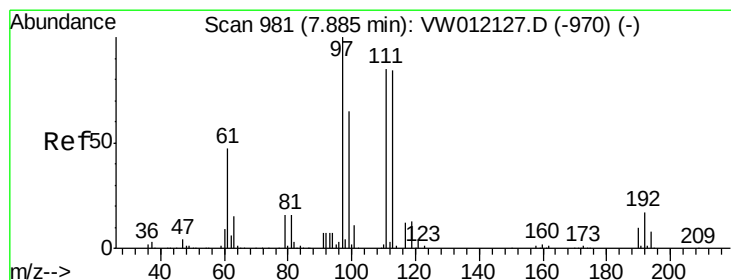
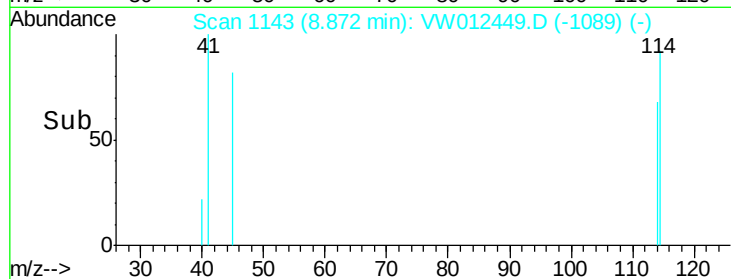
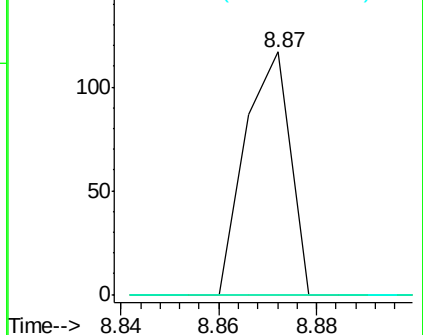
Tot Ion	Ratio	Lower	Upper
114	100		
63	0.0	0.0	48.6
88	0.0	0.0	32.2



Abundance Ion 113.90 (113.60 to 114.60): V

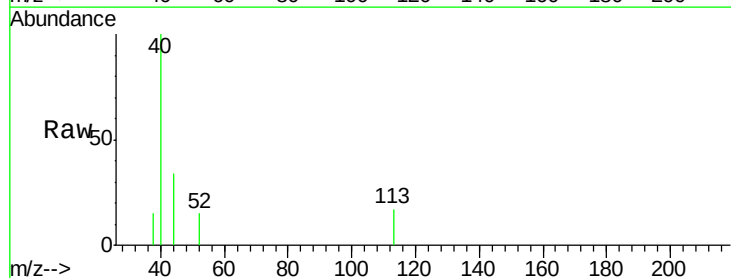
Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW



#35
 Dibromofluoromethane
 Concen: 49.143 ug/l
 RT: 7.92 min Scan# 986
 Delta R.T. 0.03 min
 Lab File: VW012449.D
 Acq: 01 Sep 2019 15:40

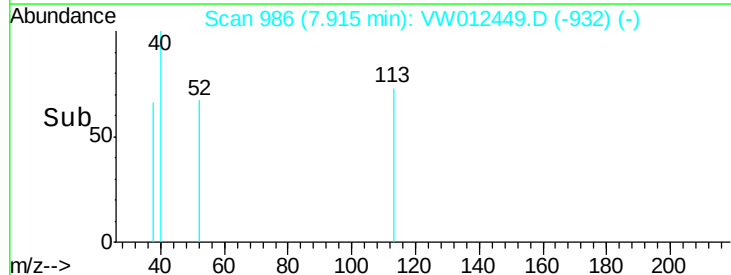
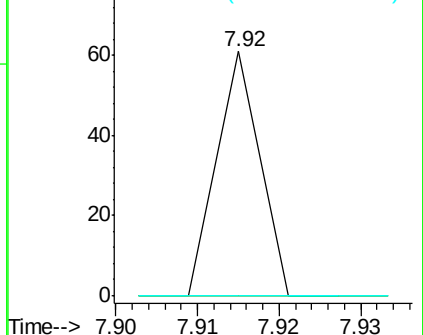
Tgt Ion	Ratio	Lower	Upper
113	100		
111	0.0	82.7	124.1#
192	0.0	16.2	24.2#

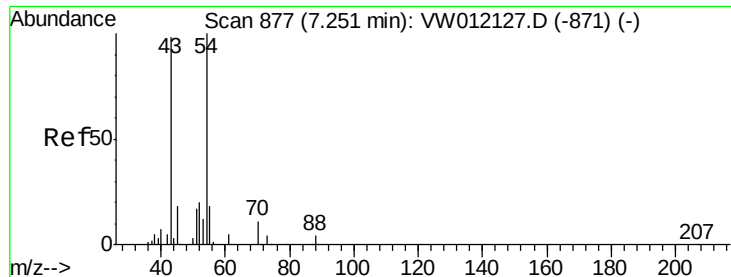


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

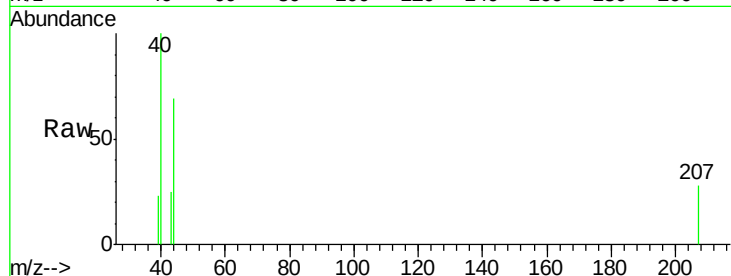




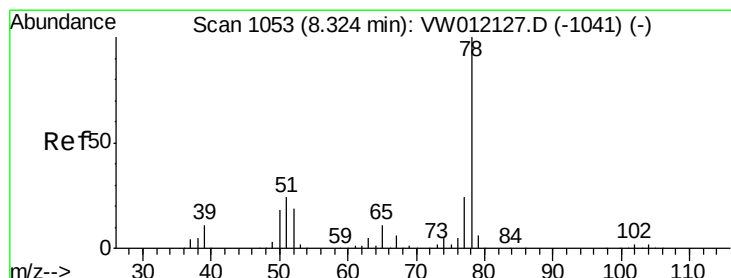
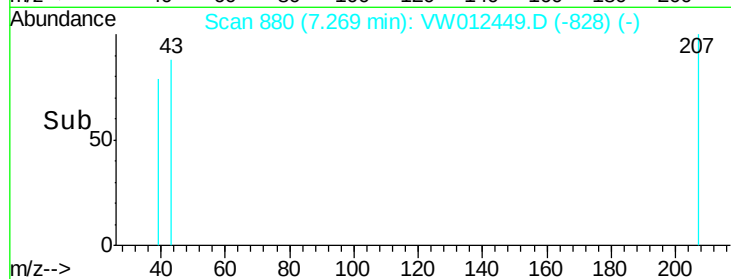
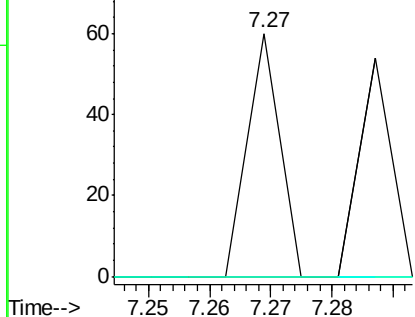
#37
Ethyl Acetate
Concen: 51.800 ug/l
RT: 7.27 min Scan# 880
Delta R.T. 0.02 min
Lab File: VW012449.D
Acq: 01 Sep 2019 15:40

Instrument :
MSVOA_W
ClientSampled :
T4-S-C-(2.5)

Tot Ion: 43 Resp: 22
Ion Ratio Lower Upper
43 100
61 0.0 9.2 13.8#
70 0.0 6.9 10.3#

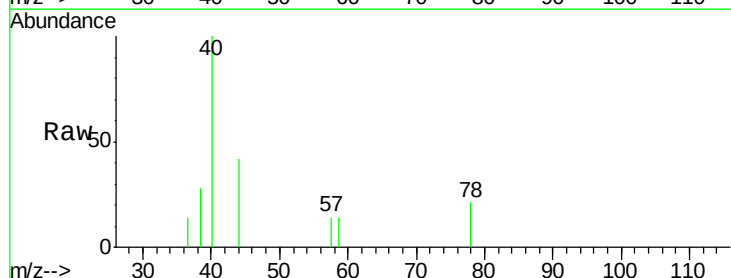


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 70.00 (69.70 to 70.70): VW

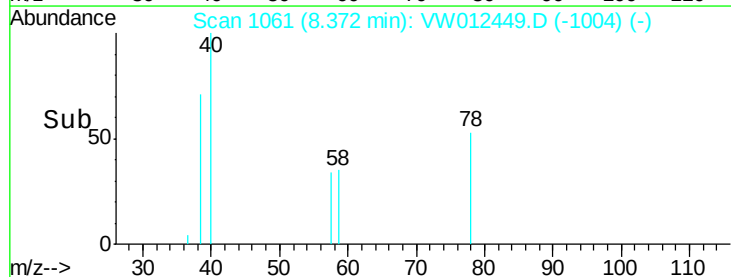
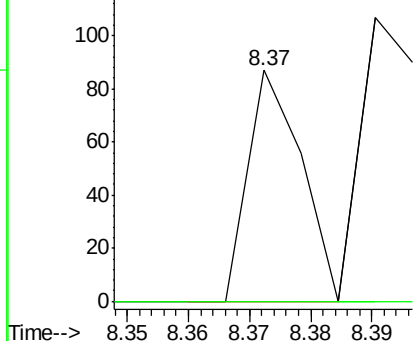


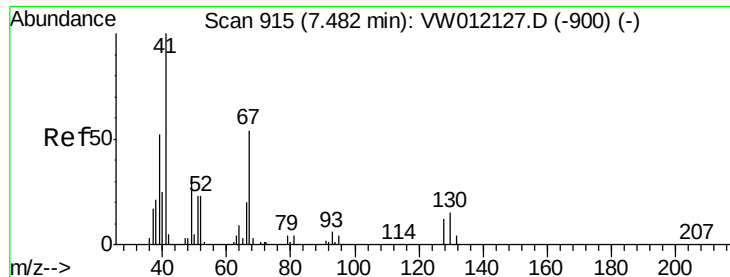
#40
Benzene
Concen: 24.571 ug/l
RT: 8.37 min Scan# 1061
Delta R.T. 0.05 min
Lab File: VW012449.D
Acq: 01 Sep 2019 15:40

Tgt Ion: 78 Resp: 52
Ion Ratio Lower Upper
78 100
77 0.0 19.5 29.3#



Abundance Ion 78.00 (77.70 to 78.70): VW
Ion 77.00 (76.70 to 77.70): VW

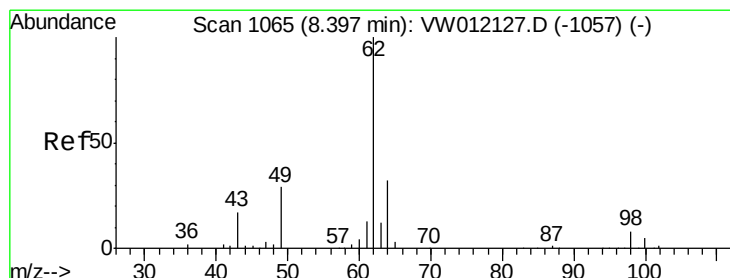
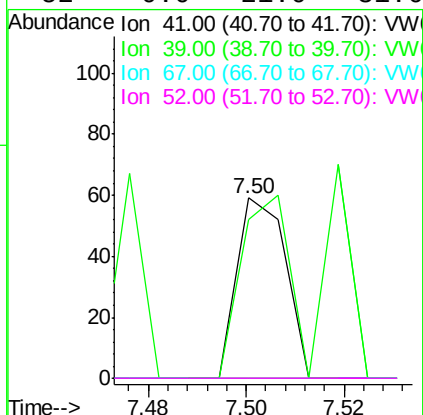
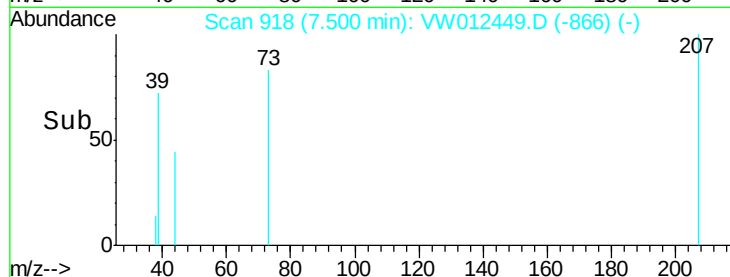
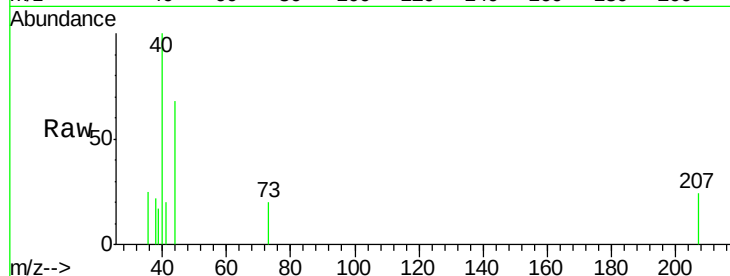




#41
Methacrylonitrile
Concen: 164.252 ug/l
RT: 7.50 min Scan# 918
Delta R.T. 0.02 min
Lab File: VW012449.D
Acq: 01 Sep 2019 15:40

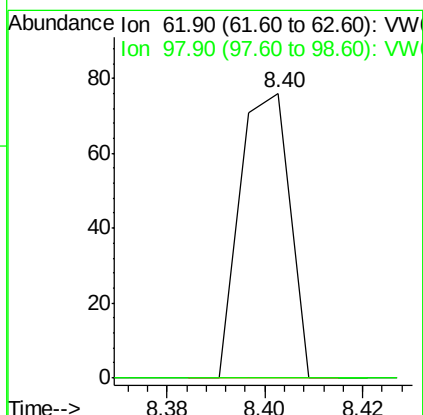
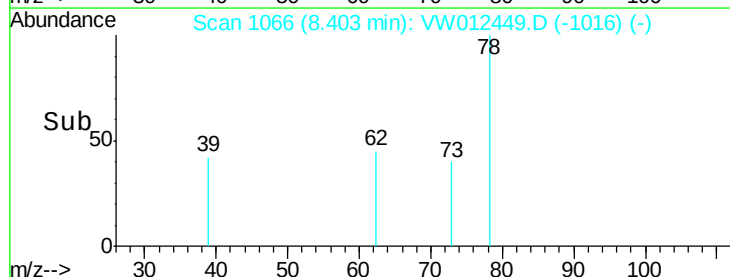
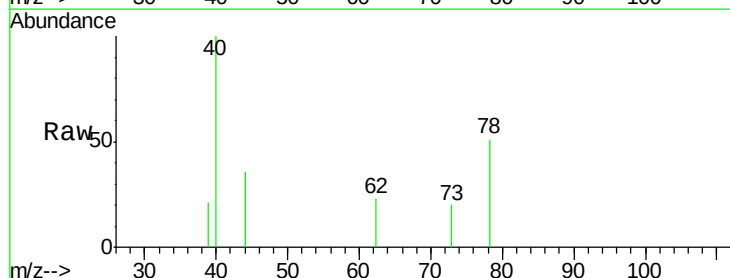
Instrument :
MSVOA_W
ClientSampleId :
T4-S-C-(2.5)

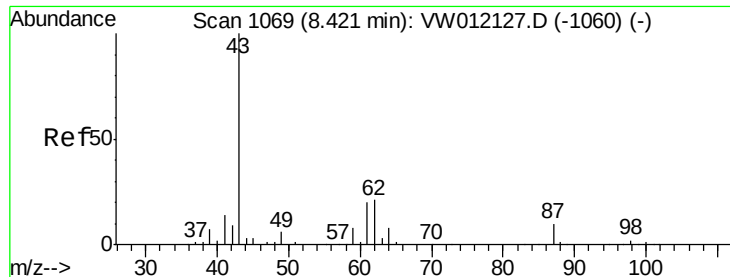
Tot Ion	Ion	Ratio	Lower	Upper
41	41	100		
39	39	100.0	45.8	68.8#
67	67	0.0	46.2	69.4#
52	52	0.0	21.0	31.6#



#42
1,2-Dichloroethane
Concen: 81.415 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.01 min
Lab File: VW012449.D
Acq: 01 Sep 2019 15:40

Tgt Ion	Ion	Ratio	Lower	Upper
62	62	100		
98	98	0.0	0.0	16.6





#43

Isopropyl Acetate

Concen: 43.219 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.01 min

Lab File: VW012449.D

Acq: 01 Sep 2019 15:40

Instrument :

MSVOA_W

ClientSampleId :

T4-S-C-(2.5)

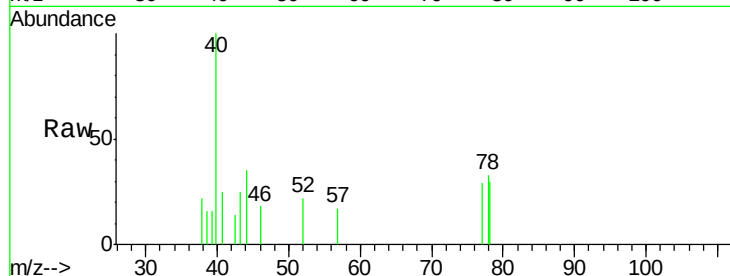
Tot Ion: 43 Resp: 34

Ion Ratio Lower Upper

43 100

61 0.0 21.1 31.7#

87 0.0 8.2 12.2#

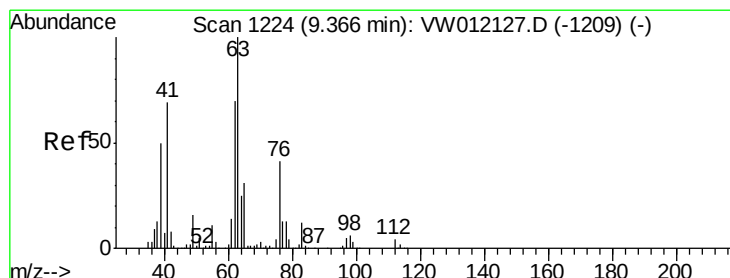
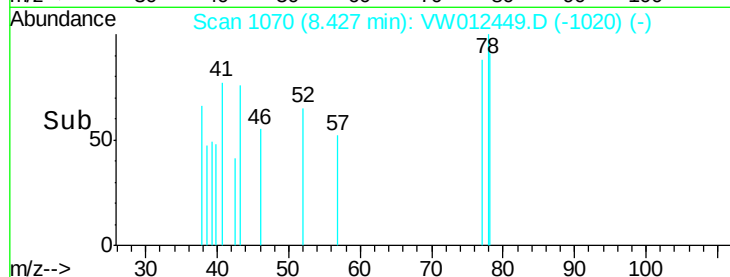
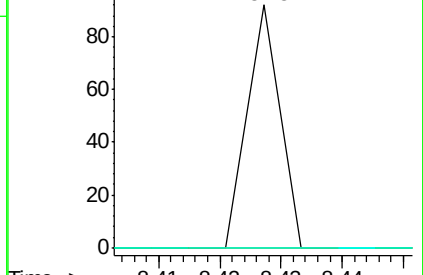


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW

8.43



#45

1,2-Dichloropropane

Concen: 42.138 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.09 min

Lab File: VW012449.D

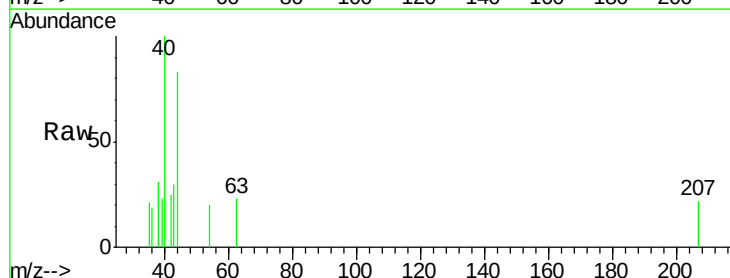
Acq: 01 Sep 2019 15:40

Tgt Ion: 63 Resp: 24

Ion Ratio Lower Upper

63 100

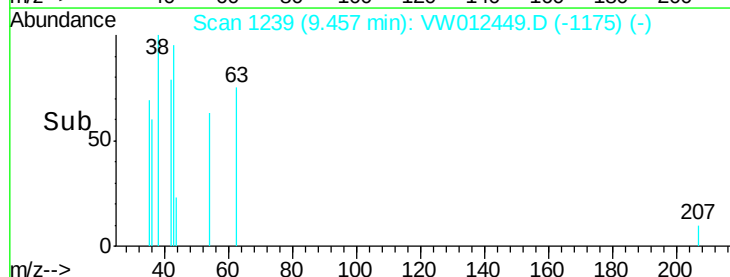
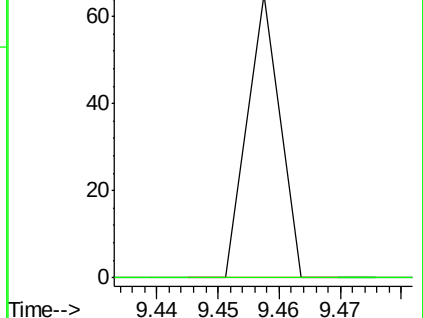
65 0.0 25.0 37.4#

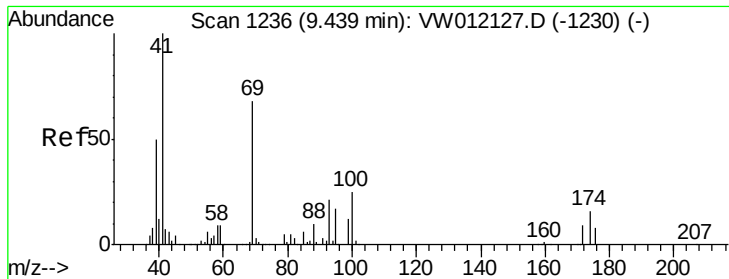


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW

9.46

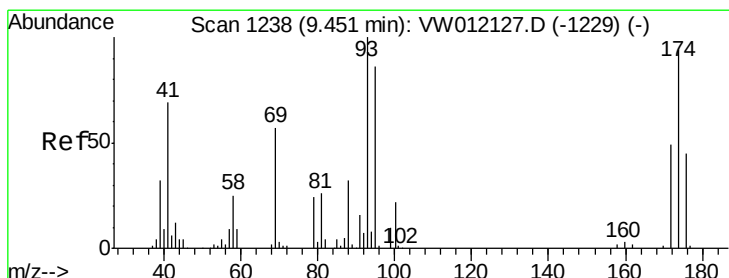
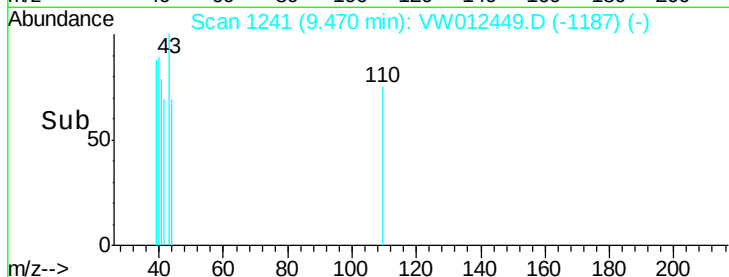
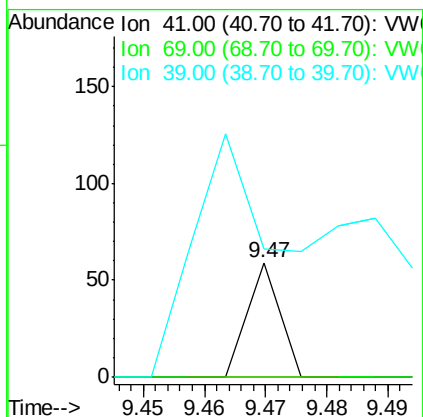
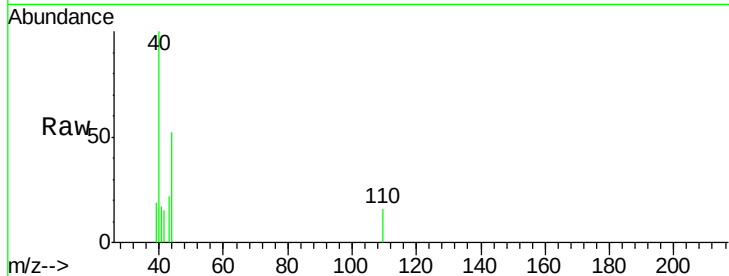




#48
Methvl methacrylate
Concen: 58.756 ug/l
RT: 9.47 min Scan# 1241
Delta R.T. 0.03 min
Lab File: VW012449.D
Acq: 01 Sep 2019 15:40

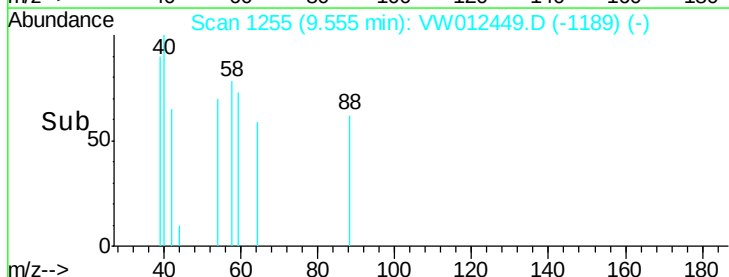
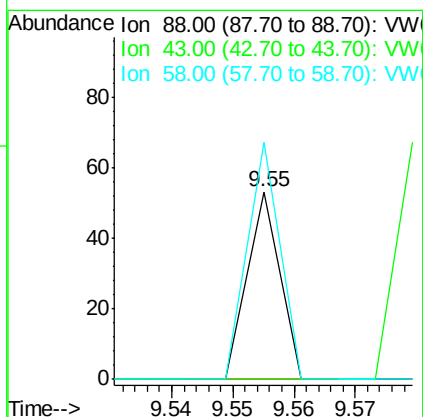
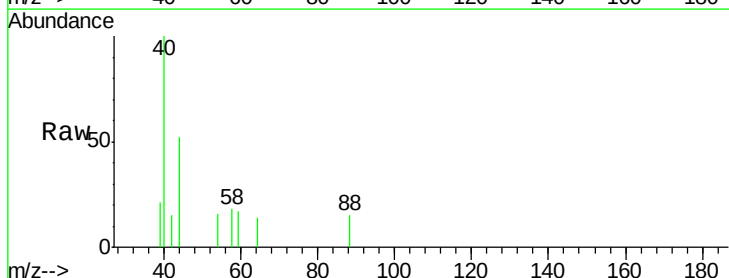
Instrument :
MSVOA_W
ClientSampleId :
T4-S-C-(2.5)

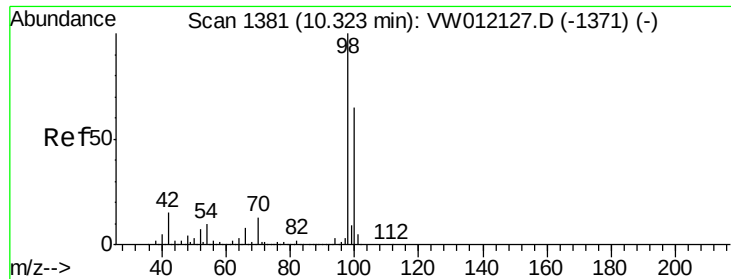
Tot Ion: 41 Resp: 22
Ion Ratio Lower Upper
41 100
69 0.0 56.7 85.1#
39 536.4 42.0 63.0#



#49
1,4-Dioxane
Concen: 4897.570 ug/l
RT: 9.55 min Scan# 1255
Delta R.T. 0.10 min
Lab File: VW012449.D
Acq: 01 Sep 2019 15:40

Tgt Ion: 88 Resp: 19
Ion Ratio Lower Upper
88 100
43 0.0 32.9 49.3#
58 131.6 71.0 106.4#





#50

Toluene-d8

Concen: 14.323 ug/l

RT: 10.62 min Scan# 1429

Delta R.T. 0.29 min

Lab File: VW012449.D

Acq: 01 Sep 2019 15:40

Instrument :

MSVOA_W

ClientSampleId :

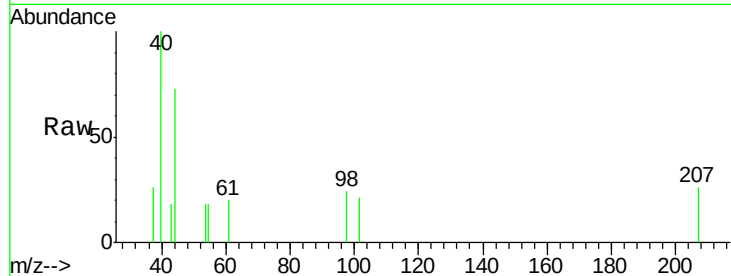
T4-S-C-(2.5)

Tot Ion: 98 Resp: 26

Ion Ratio Lower Upper

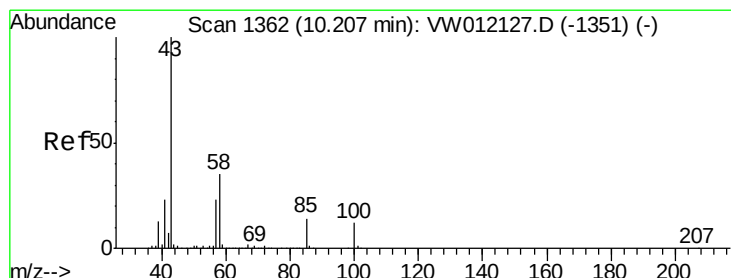
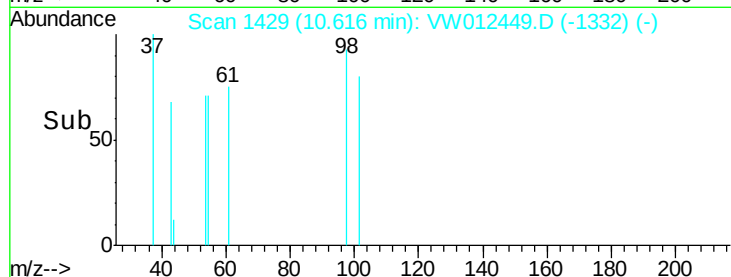
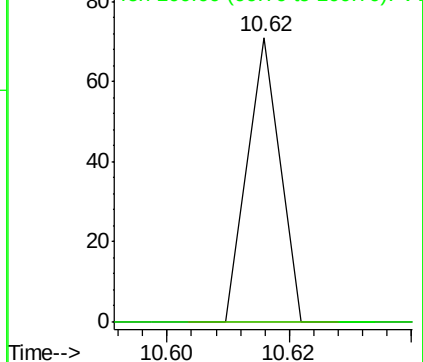
98 100

100 0.0 52.4 78.6#



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: 132.454 ug/l

RT: 10.27 min Scan# 1372

Delta R.T. 0.06 min

Lab File: VW012449.D

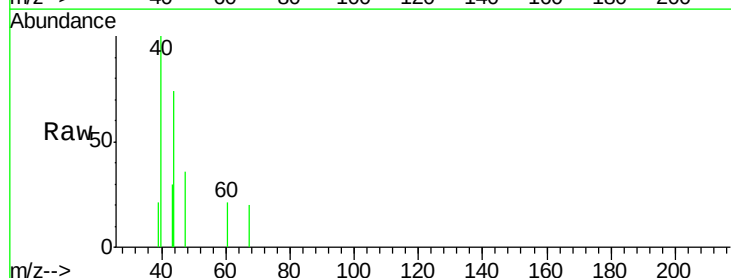
Acq: 01 Sep 2019 15:40

Tgt Ion: 43 Resp: 53

Ion Ratio Lower Upper

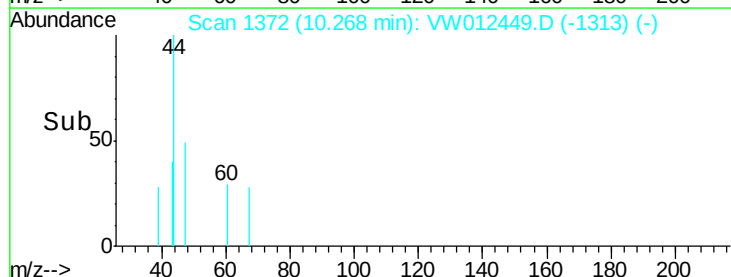
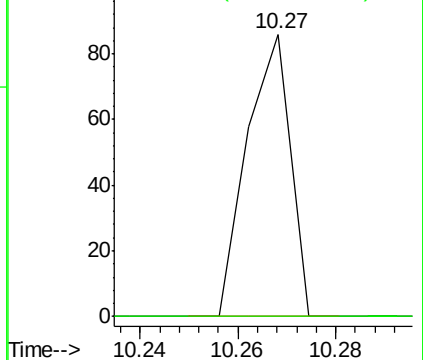
43 100

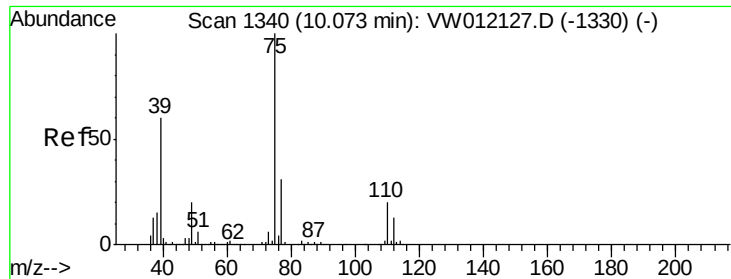
58 0.0 28.2 42.2#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



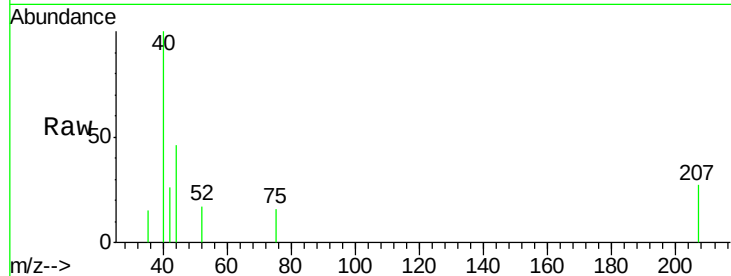


#54

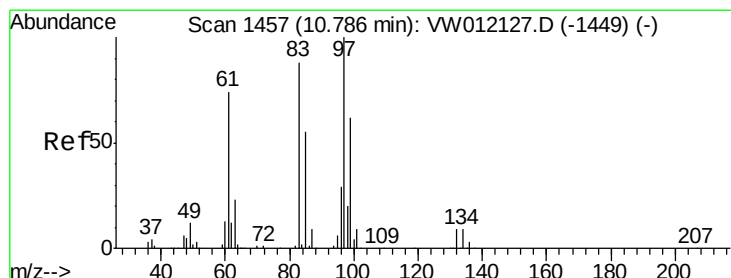
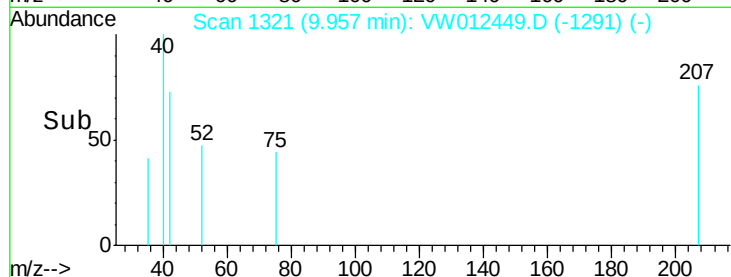
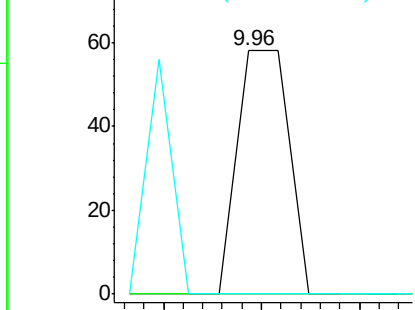
cis-1,3-Dichloropropene
 Concen: 50.632 ug/l
 RT: 9.96 min Scan# 1321
 Delta R.T. -0.12 min
 Lab File: VW012449.D
 Acq: 01 Sep 2019 15:40

Instrument :
 MSVOA_W
 ClientSampleId :
 T4-S-C-(2.5)

Tot Ion	Ratio	Lower	Upper
75	100		
77	0.0	25.1	37.7#
39	0.0	48.3	72.5#



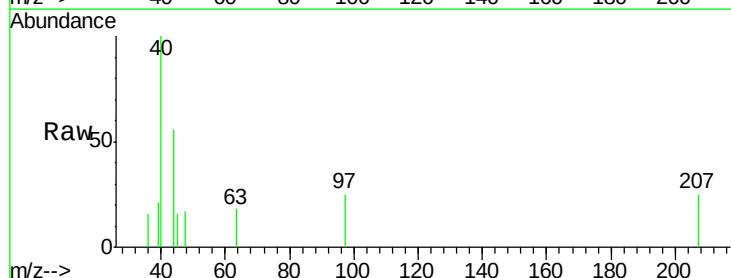
Abundance Ion 74.90 (74.60 to 75.60): VW
 Ion 76.90 (76.60 to 77.60): VW
 Ion 39.00 (38.70 to 39.70): VW



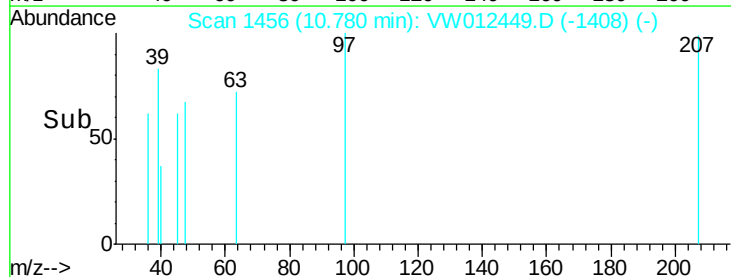
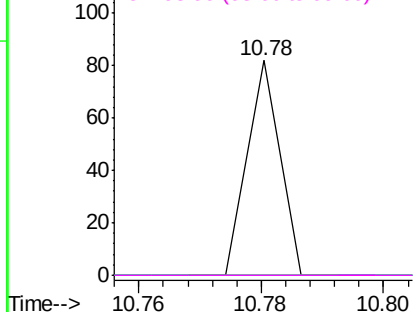
#55

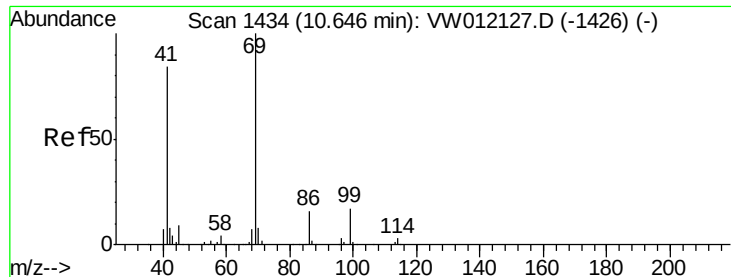
1,1,2-Trichloroethane
 Concen: 83.671 ug/l
 RT: 10.78 min Scan# 1456
 Delta R.T. -0.01 min
 Lab File: VW012449.D
 Acq: 01 Sep 2019 15:40

Tgt Ion	Ratio	Lower	Upper
97	100		
83	0.0	70.8	106.2#
85	0.0	43.8	65.8#
99	0.0	49.8	74.6#



Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW





#56

Ethyl methacrylate

Concen: 42.159 ug/l

RT: 10.74 min Scan# 1449

Delta R.T. 0.09 min

Lab File: VW012449.D

Acq: 01 Sep 2019 15:40

Instrument :

MSVOA_W

ClientSampleId :

T4-S-C-(2.5)

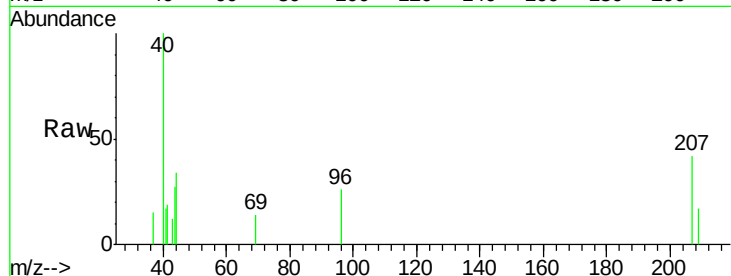
Tot Ion: 69.00 Resp: 22

Ion Ratio Lower Upper

69 100

41 1022.7 66.5 99.7#

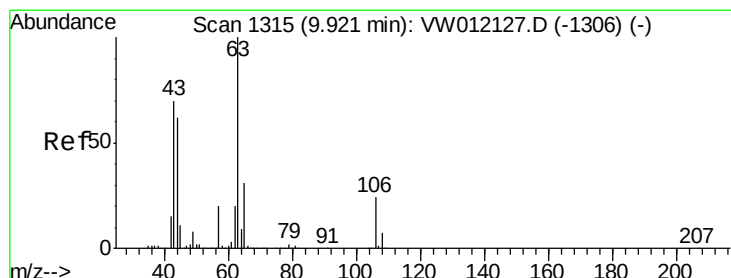
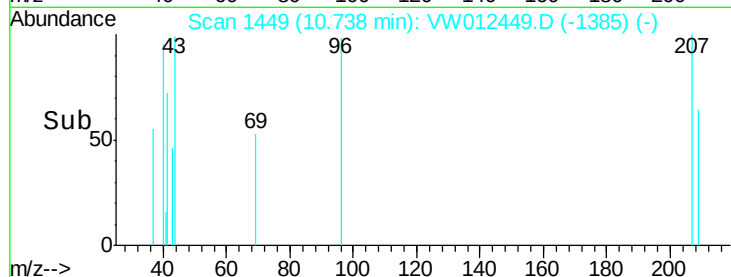
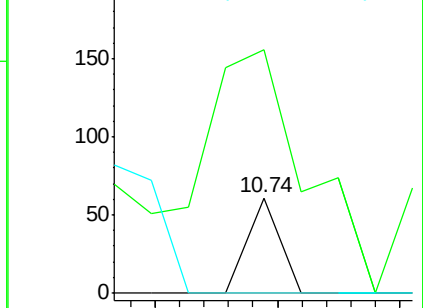
39 0.0 31.0 46.4#



Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW



#58

2-Chloroethyl Vinyl ether

Concen: 100.815 ug/l

RT: 10.16 min Scan# 1354

Delta R.T. 0.24 min

Lab File: VW012449.D

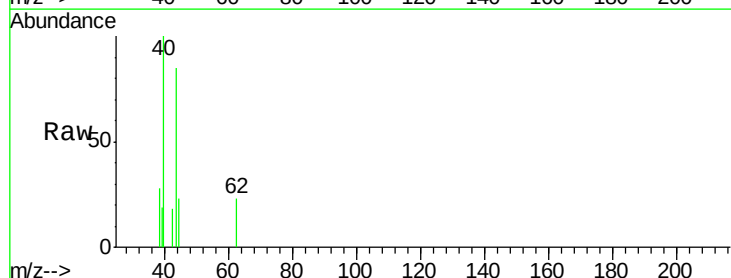
Acq: 01 Sep 2019 15:40

Tgt Ion: 63 Resp: 27

Ion Ratio Lower Upper

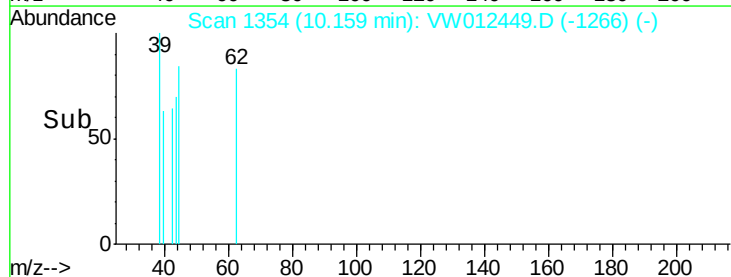
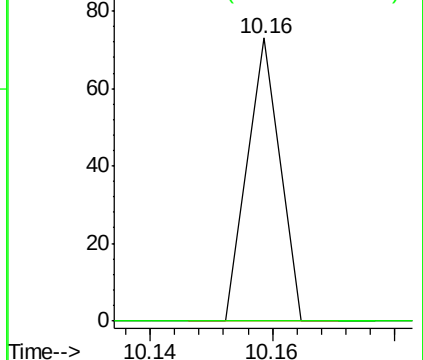
63 100

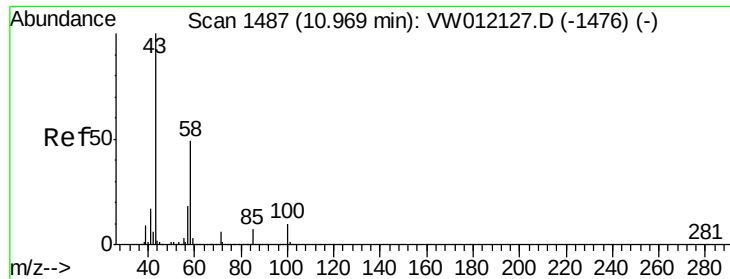
106 0.0 19.8 29.8#



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 105.90 (105.60 to 106.60): VW





#59

2-Hexanone

Concen: 77.705 ug/l

RT: 10.98 min Scan# 1488

Delta R.T. 0.01 min

Lab File: VW012449.D

Acq: 01 Sep 2019 15:40

Instrument :

MSVOA_W

ClientSampleId :

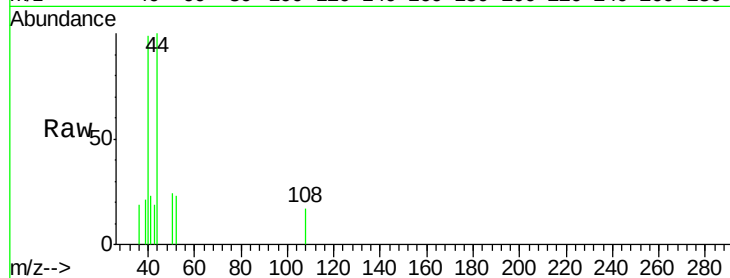
T4-S-C-(2.5)

Tot Ion: 43 Resp: 22

Ion Ratio Lower Upper

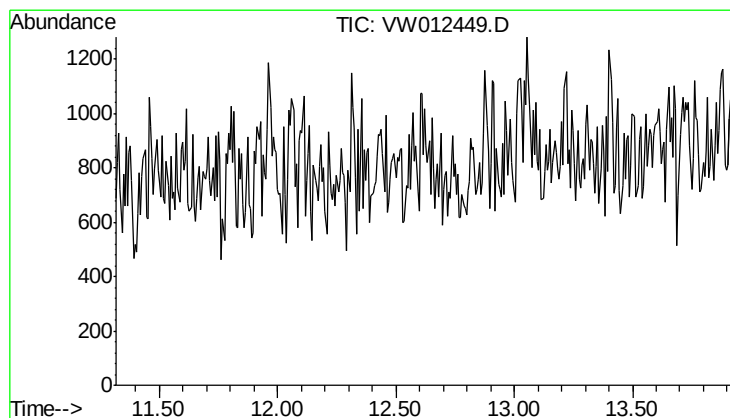
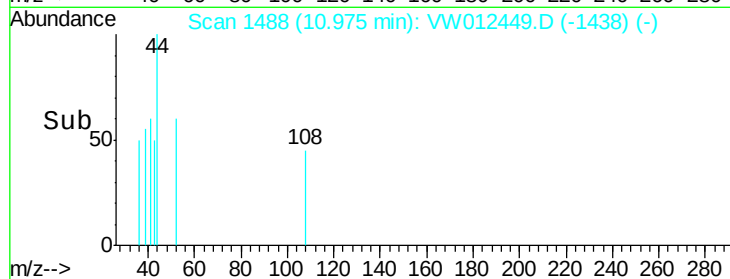
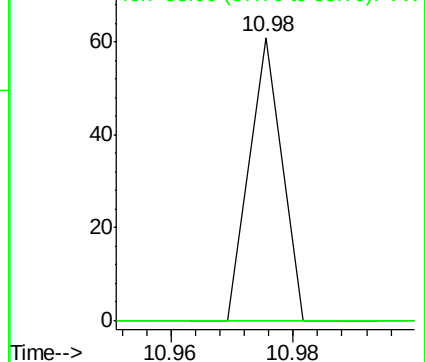
43 100

58 0.0 24.3 72.9#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#62

4-Bromofluorobenzene

Concen: 0.000 ug/l

Expected RT: 12.62 min

Lab File: VW012449.D

Acq: 01 Sep 2019 15:40

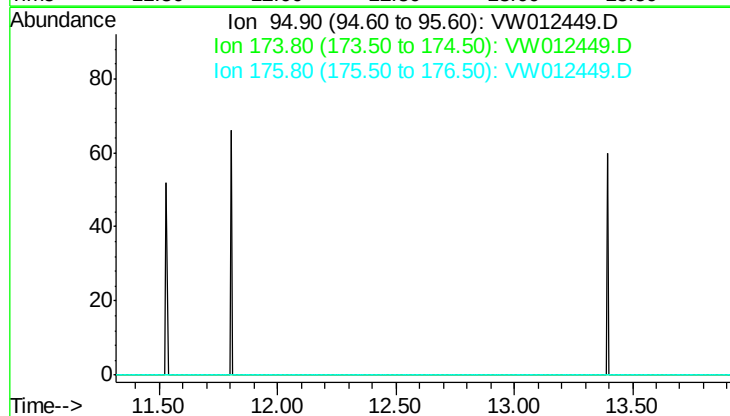
Tgt Ion: 95

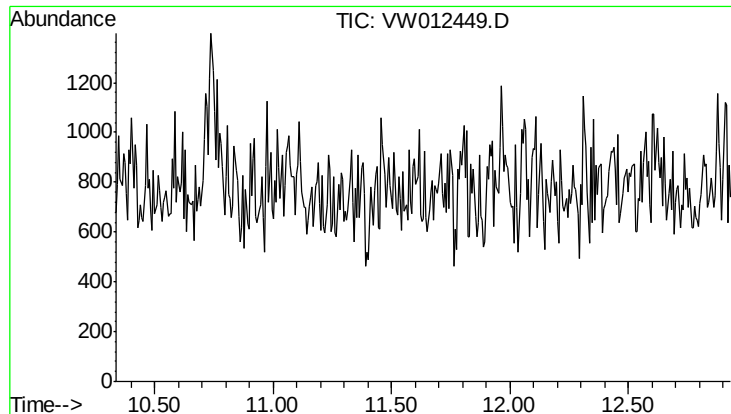
Sig Exp Ratio

95 100

174 75.4

176 74.3



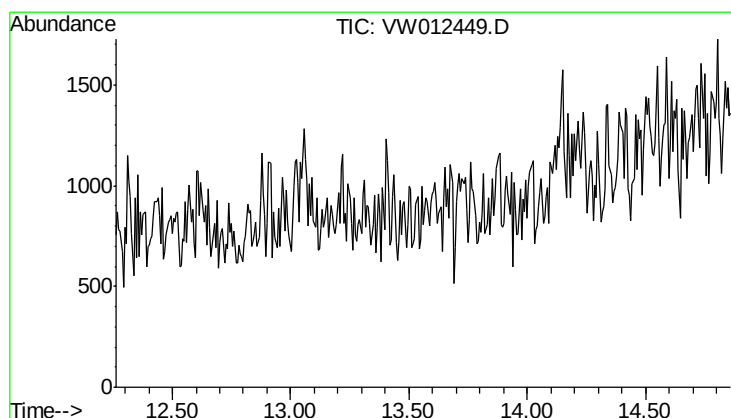
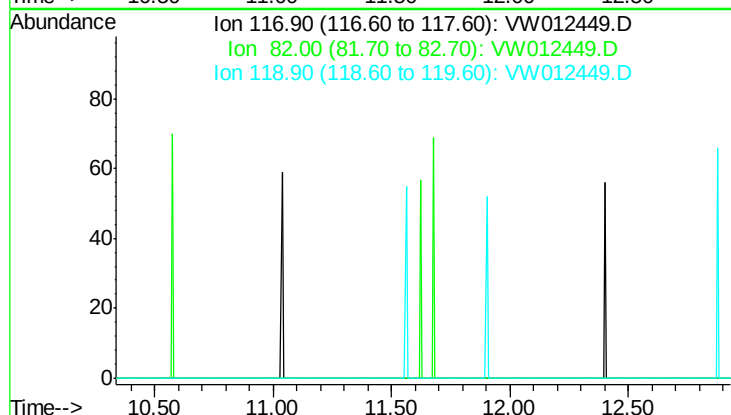


#63
Chlorobenzene-d5
Concen: 0.000 ug/l
Expected RT: 11.63 min

Lab File: VW012449.D
Acq: 01 Sep 2019 15:40

Instrument :
MSVOA_W
ClientSampleId :
T4-S-C-(2.5)

Tot Ion: 117
Sig Exp Ratio
117 100
82 59.3
119 31.8



#72
1,4-Dichlorobenzene-d4
Concen: 0.000 ug/l
Expected RT: 13.56 min

Lab File: VW012449.D
Acq: 01 Sep 2019 15:40

Tgt Ion: 152
Sig Exp Ratio
152 100
115 60.2
150 172.9

