

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW093019\
 Data File : VW013357.D
 Acq On : 01 Oct 2019 03:23
 Operator : SY/VA
 Sample : K4946-08
 Misc : 6.51G/5ML/MSVOA_W/SOIL
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GP-4 (1-3)

Quant Time: Oct 01 05:43:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:58:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.87	168	4944	50.00	ug/l	-0.08
34) 1,4-Difluorobenzene	8.90	114	163	50.00	ug/l	0.06
63) Chlorobenzene-d5	11.80	117	440854	50.00	ug/l	0.18
72) 1,4-Dichlorobenzene-d4	13.60	152	100804	50.00	ug/l	0.04

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.16	65	7009	173.70	ug/l	-0.14
Spiked Amount	50.000		Recovery	=	347.40%	
35) Dibromofluoromethane	8.03	113	3943	4398.21	ug/l	0.15
Spiked Amount	50.000		Recovery	=	8796.42%	
50) Toluene-d8	10.66	98	514998	137260.88	ug/l	0.34
Spiked Amount	50.000		Recovery	=	274521.76%	
62) 4-Bromofluorobenzene	12.71	95	141332	110274.67	ug/l	0.09
Spiked Amount	50.000		Recovery	=	220549.34%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.72	94	199	6.644	ug/l #	6
6) Chloroethane	2.89	64	231	8.292	ug/l #	82
7) Trichlorofluoromethane	3.21	101	289	10.604	ug/l	96
8) Diethyl Ether	3.67	74	298	12.802	ug/l	65
9) 1,1,2-Trichlorotrifluoroet	4.04	101	296	6.671	ug/l #	16
11) Tert butyl alcohol	5.13	59	130	36.107	ug/l #	73
12) 1,1-Dichloroethene	3.98	96	143	3.112	ug/l #	43
13) Acrolein	3.89	56	341	146.807	ug/l #	55
14) Allyl chloride	4.62	41	258	3.528	ug/l #	71
15) Acrylonitrile	5.29	53	173	17.219	ug/l #	41
16) Acetone	4.07	43	1011	111.106	ug/l #	45
18) Methyl Acetate	4.63	43	348	13.605	ug/l	92
19) Methyl tert-butyl Ether	5.55	73	402	5.709	ug/l #	54
22) Diisopropyl ether	6.24	45	259	1.863	ug/l #	16
23) Vinyl Acetate	6.20	43	502	6.086	ug/l #	72
24) 1,1-Dichloroethane	6.13	63	510	6.078	ug/l #	81
25) 2-Butanone	7.10	43	287	21.011	ug/l #	86
26) 2,2-Dichloropropane	7.09	77	966	17.046	ug/l #	1
27) cis-1,2-Dichloroethene	7.04	96	313	5.973	ug/l	69
28) Bromochloromethane	7.43	49	495	15.371	ug/l #	10
29) Tetrahydrofuran	7.48	42	702	83.800	ug/l #	53
30) Chloroform	7.66	83	5583	67.963	ug/l	87
31) Cyclohexane	7.88	56	1324	15.138	ug/l #	24
32) 1,1,1-Trichloroethane	7.81	97	6296	94.630	ug/l #	49
36) 1,1-Dichloropropene	8.13	75	4265	2701.480	ug/l #	40
37) Ethyl Acetate	7.40	43	411	612.536	ug/l #	69
38) Carbon Tetrachloride	8.11	117	479	338.454	ug/l #	34
39) Methylcyclohexane	9.45	83	5657	2788.223	ug/l #	32
40) Benzene	8.44	78	850	193.021	ug/l #	1
41) Methacrylonitrile	7.52	41	1192	2976.561	ug/l #	1
42) 1,2-Dichloroethane	8.45	62	455	384.359	ug/l #	72
43) Isopropyl Acetate	8.39	43	388	301.712	ug/l #	46
44) Trichloroethene	9.03	130	58	46.943	ug/l #	1
45) 1,2-Dichloropropane	9.44	63	88540	82353.757	ug/l #	44

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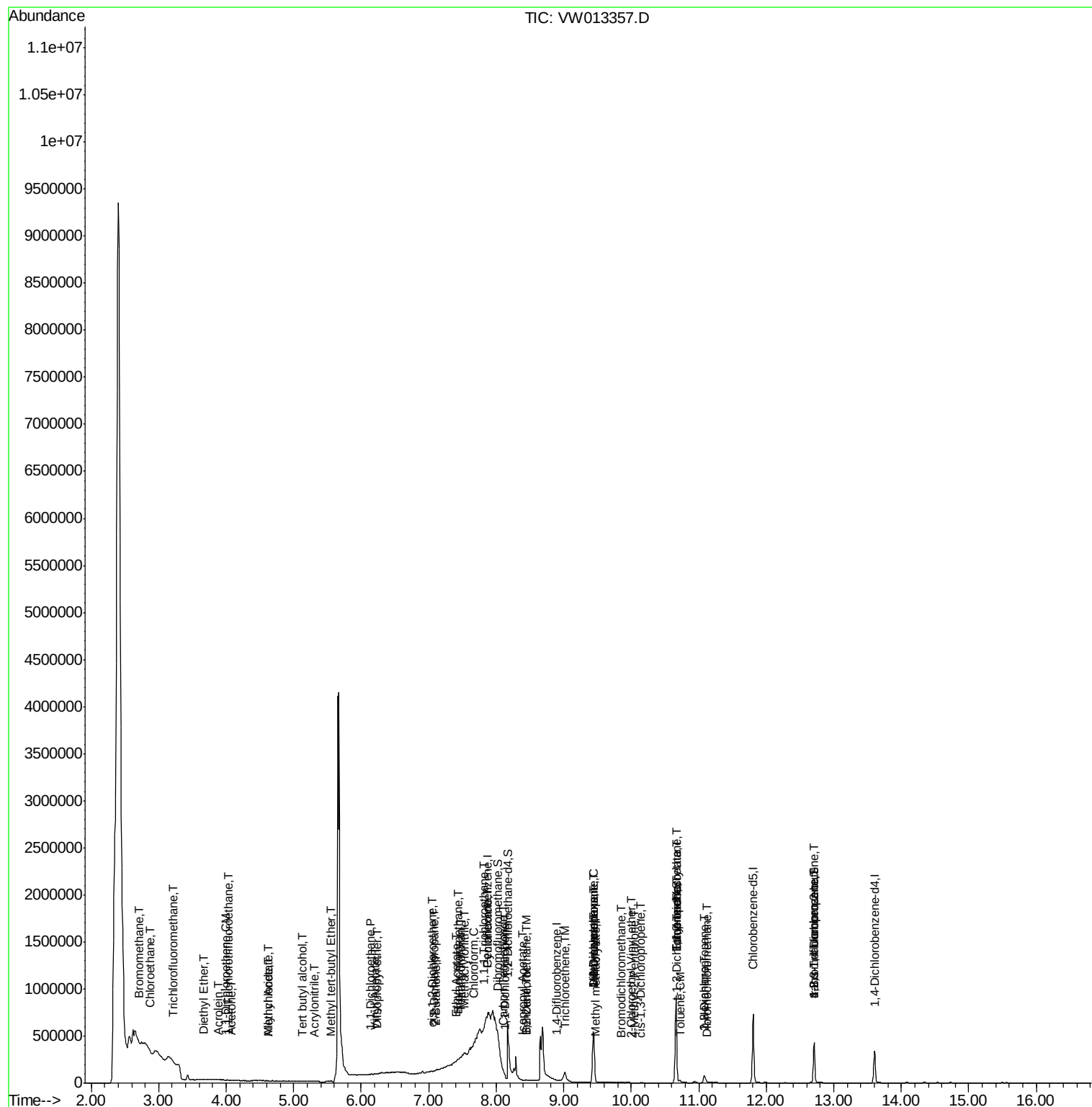
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) Dibromomethane	9.44	93	7976	15280.685	ug/l #	1
47) Bromodichloromethane	9.86	83	567	426.904	ug/l #	26
48) Methyl methacrylate	9.48	41	149	246.402	ug/l #	13
49) 1,4-Dioxane	9.44	88	72228	9218548.152	ug/l #	11
51) 4-Methyl-2-Pentanone	10.04	43	104	161.317	ug/l	88
52) Toluene	10.72	92	7358	2607.116	ug/l	93
53) t-1,3-Dichloropropene	10.68	75	112	82.078	ug/l #	43
54) cis-1,3-Dichloropropene	10.14	75	26	15.671	ug/l #	1
55) 1,1,2-Trichloroethane	10.67	97	18693	23960.041	ug/l #	1
56) Ethyl methacrylate	10.66	69	2331	2282.977	ug/l #	63
57) 1,3-Dichloropropane	11.08	76	4151	3048.984	ug/l #	1
58) 2-Chloroethyl Vinyl ether	10.00	63	25	52.890	ug/l #	45
59) 2-Hexanone	11.09	43	1439	3244.291	ug/l	88
60) Dibromochloromethane	11.13	129	213	240.440	ug/l #	11
76) 1,2,3-Trichloropropane	12.71	75	67521	75.847	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.71	75	67521	170.193	ug/l #	12

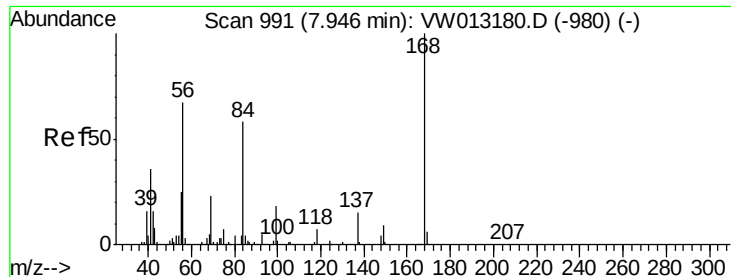
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.87 min Scan# 978

Delta R.T. -0.08 min

Lab File: VW013357.D

Acq: 01 Oct 2019 03:23

Instrument :

MSVOA_W

ClientSampleId :

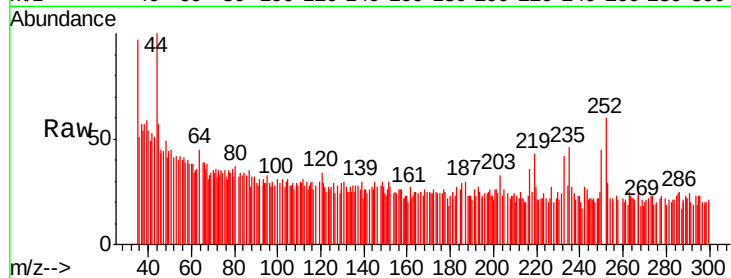
GP-4 (1-3)

Tgt Ion:168 Resp: 4944

Ion Ratio Lower Upper

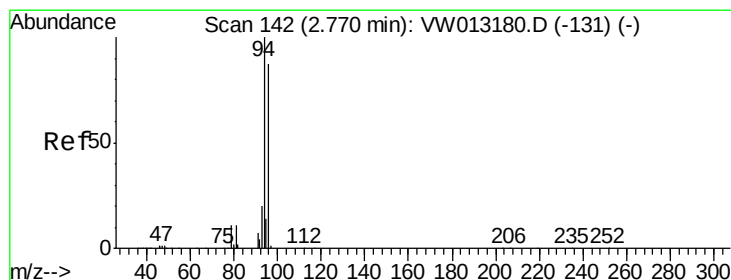
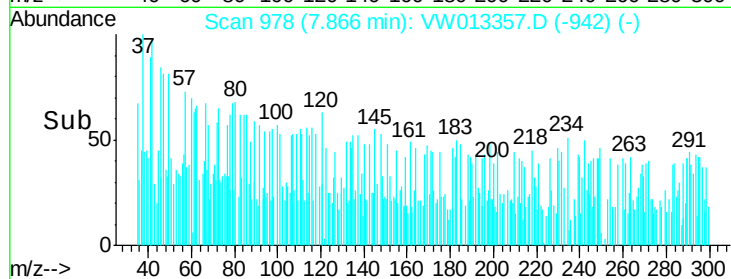
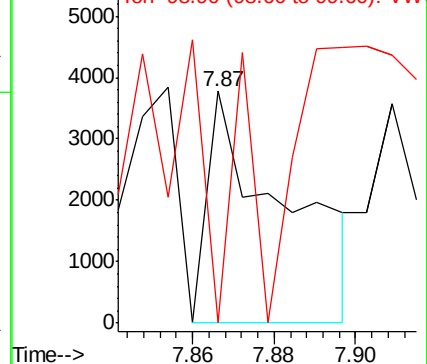
168 100

99 0.0 40.2 60.4#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#5

Bromomethane

Concen: 6.644 ug/l

RT: 2.72 min Scan# 134

Delta R.T. -0.05 min

Lab File: VW013357.D

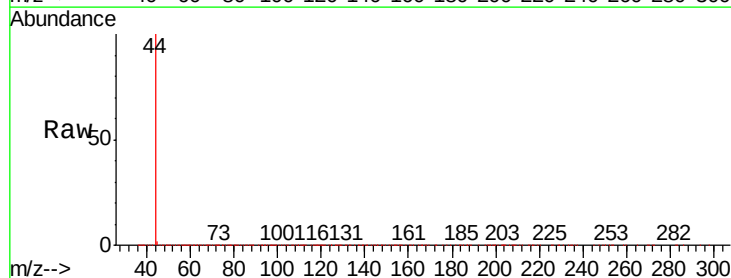
Acq: 01 Oct 2019 03:23

Tgt Ion: 94 Resp: 199

Ion Ratio Lower Upper

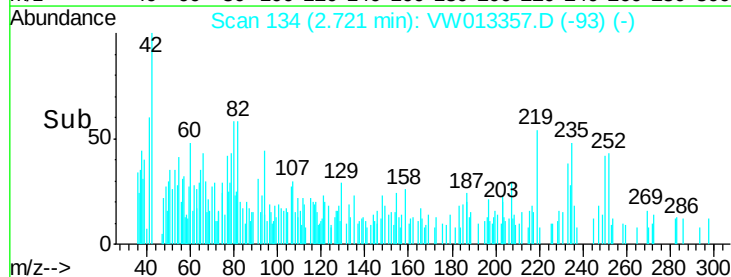
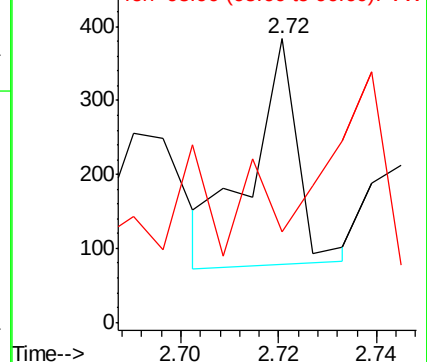
94 100

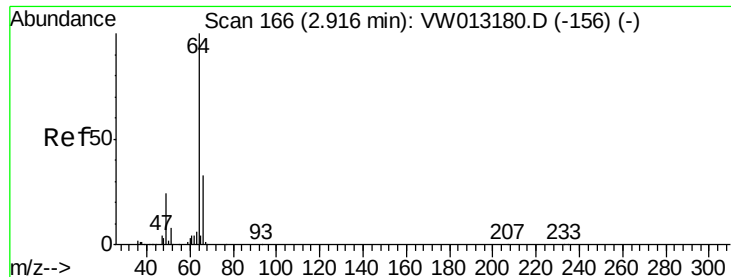
96 0.0 69.7 104.5#



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW





#6

Chloroethane

Concen: 8.292 ug/l

RT: 2.89 min Scan# 161

Delta R.T. -0.03 min

Lab File: VW013357.D

Acq: 01 Oct 2019 03:23

Instrument :

MSVOA_W

ClientSampleId :

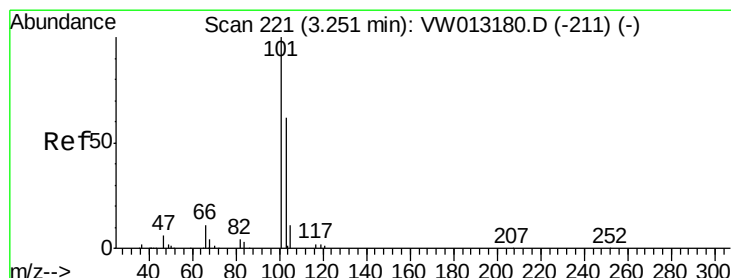
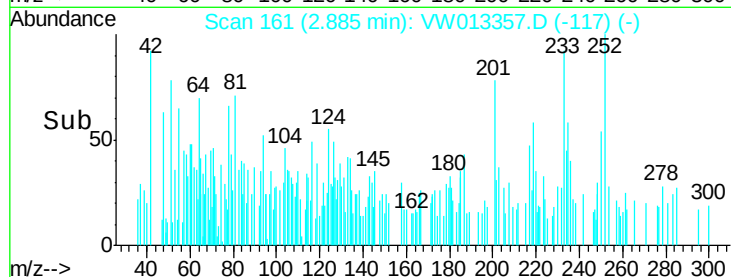
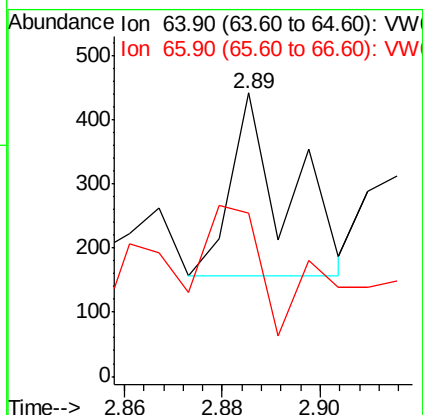
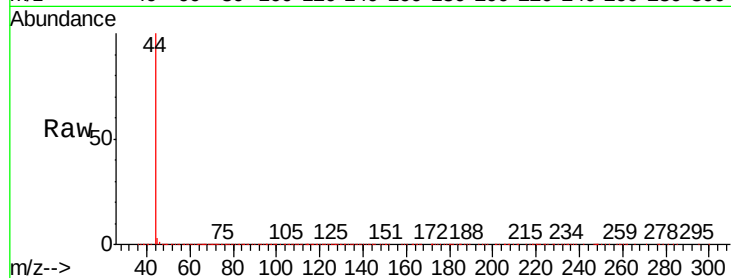
GP-4 (1-3)

Tgt Ion: 64 Resp: 231

Ion Ratio Lower Upper

64 100

66 43.4 26.6 39.8#



#7

Trichlorofluoromethane

Concen: 10.604 ug/l

RT: 3.21 min Scan# 215

Delta R.T. -0.04 min

Lab File: VW013357.D

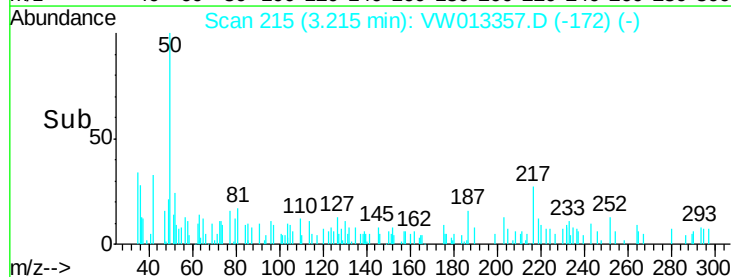
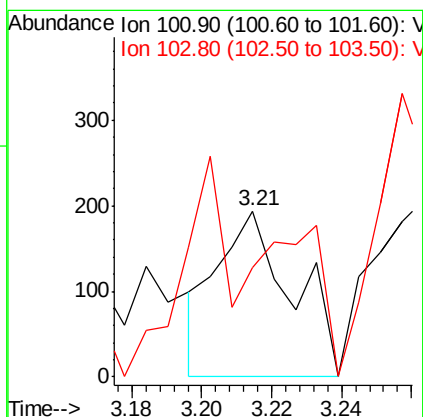
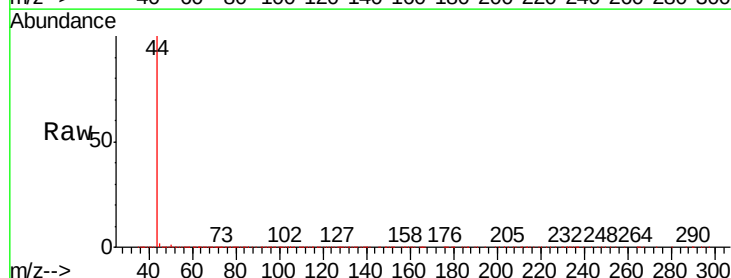
Acq: 01 Oct 2019 03:23

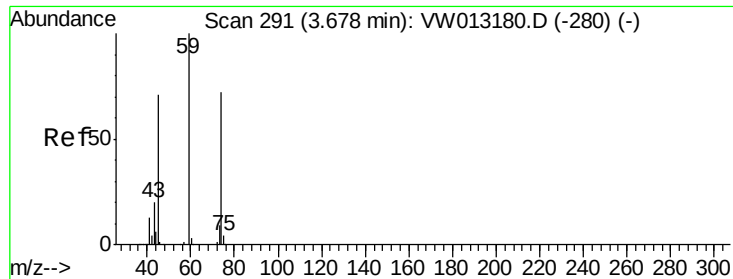
Tgt Ion: 101 Resp: 289

Ion Ratio Lower Upper

101 100

103 65.5 49.7 74.5





#8

Diethyl Ether

Concen: 12.802 ug/l

RT: 3.67 min Scan# 289

Delta R.T. -0.01 min

Lab File: VW013357.D

Acq: 01 Oct 2019 03:23

Instrument :

MSVOA_W

ClientSampleId :

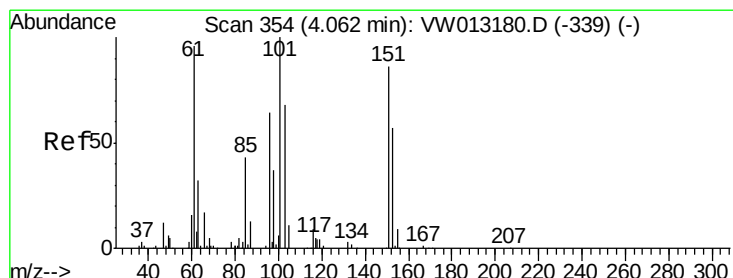
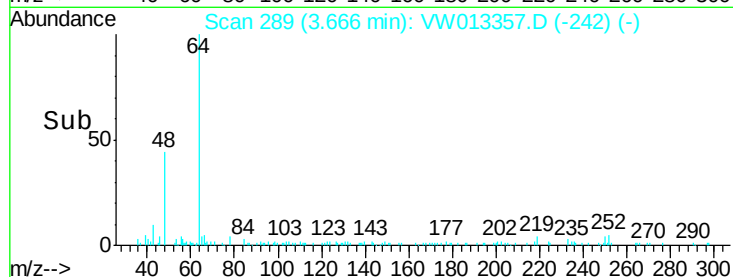
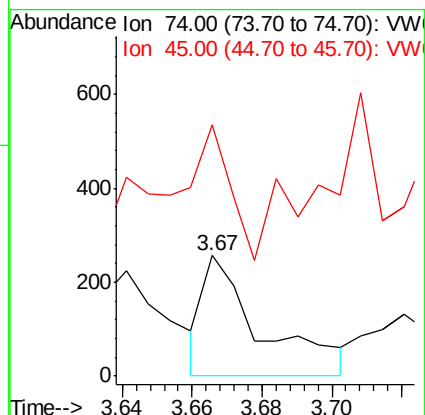
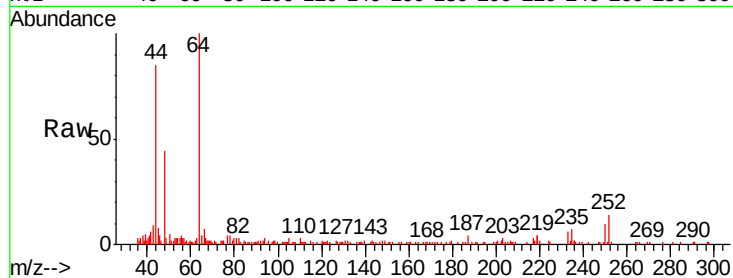
GP-4 (1-3)

Tgt Ion: 74 Resp: 298

Ion Ratio Lower Upper

74 100

45 134.2 49.5 148.7



#9

1,1,2-Trichlorotrifluoroethane

Concen: 6.671 ug/l

RT: 4.04 min Scan# 350

Delta R.T. -0.02 min

Lab File: VW013357.D

Acq: 01 Oct 2019 03:23

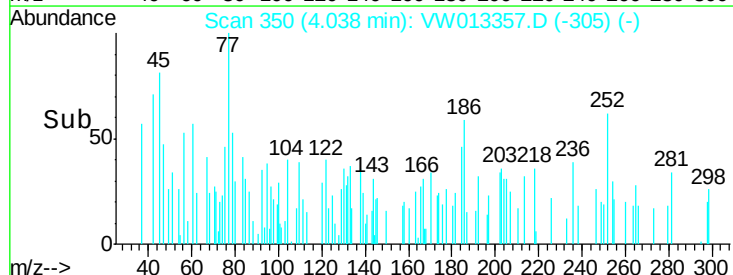
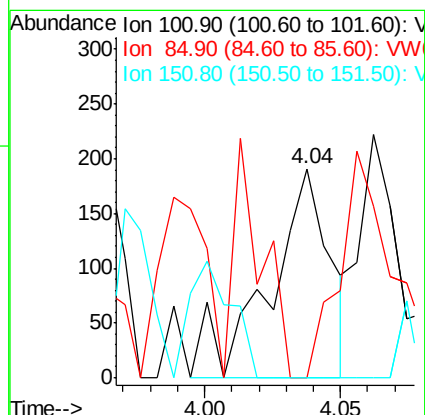
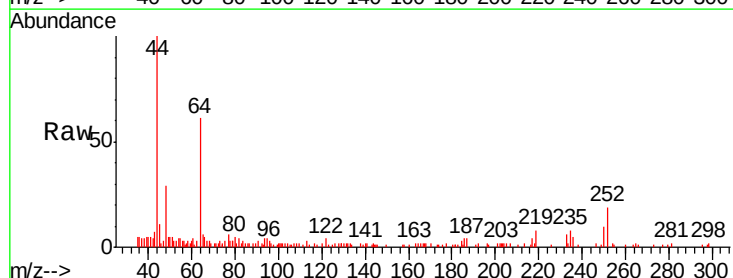
Tgt Ion: 101 Resp: 296

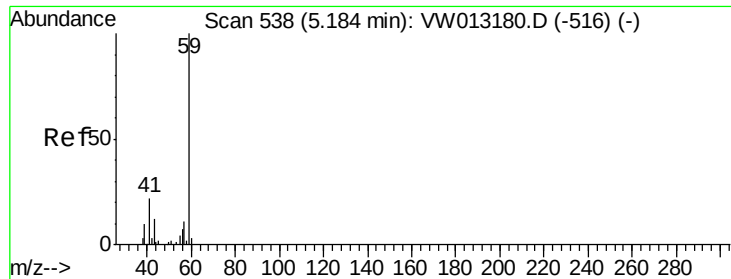
Ion Ratio Lower Upper

101 100

85 0.0 33.4 50.0#

151 0.0 66.9 100.3#

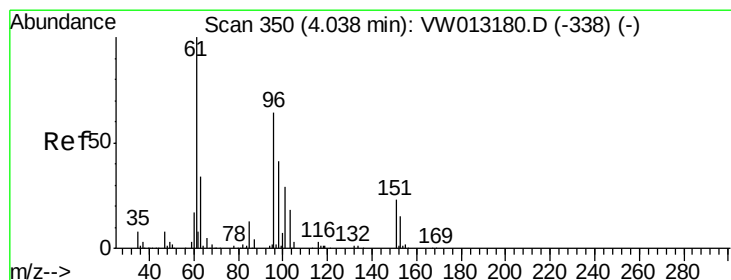
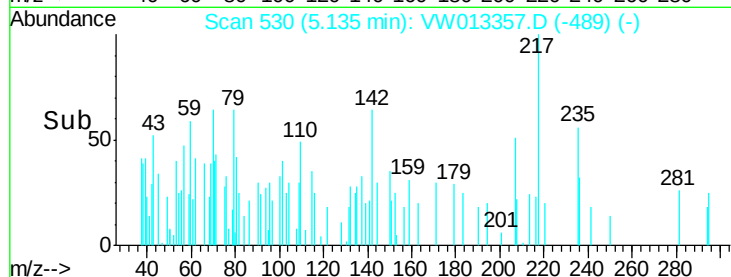
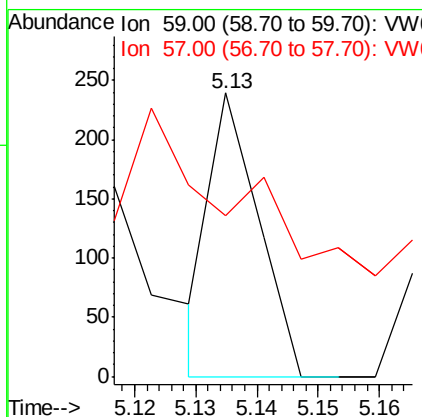
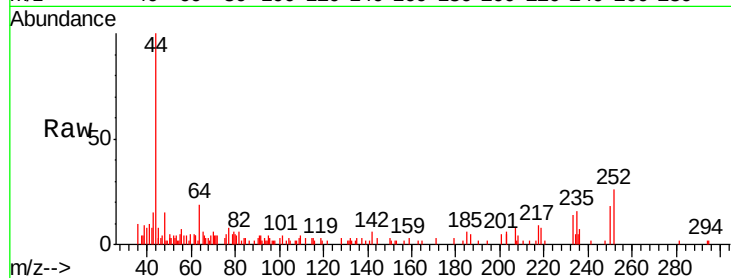




#11
Tert butyl alcohol
Concen: 36.107 ug/l
RT: 5.13 min Scan# 530
Delta R.T. -0.05 min
Lab File: VW013357.D
Acq: 01 Oct 2019 03:23

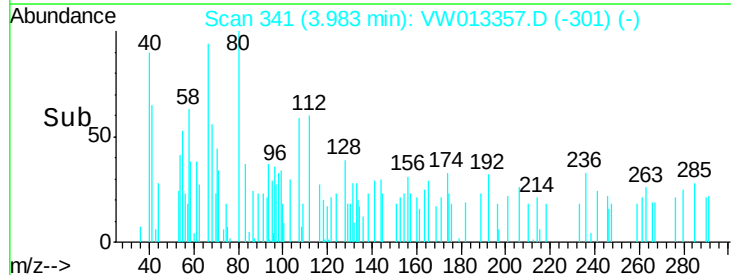
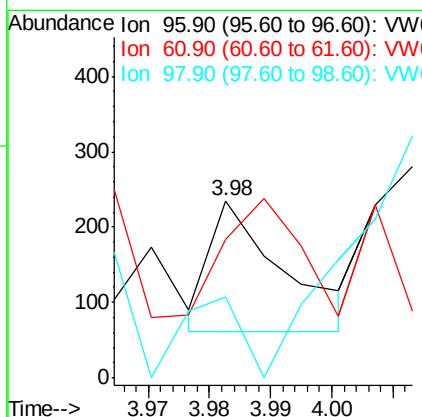
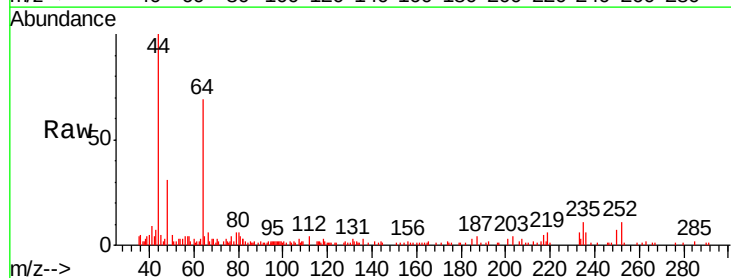
Instrument :
MSVOA_W
ClientSampled :
GP-4 (1-3)

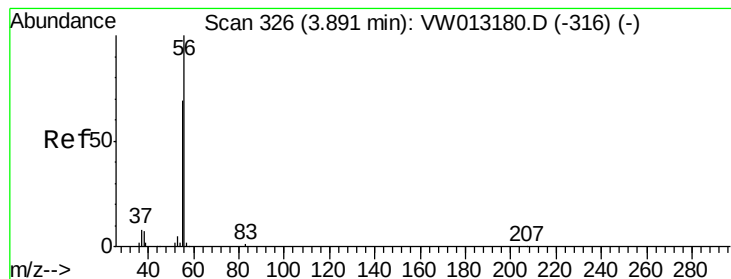
Tgt Ion: 59 Resp: 130
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



#12
1,1-Dichloroethene
Concen: 3.112 ug/l
RT: 3.98 min Scan# 341
Delta R.T. -0.05 min
Lab File: VW013357.D
Acq: 01 Oct 2019 03:23

Tgt Ion: 96 Resp: 143
Ion Ratio Lower Upper
96 100
61 84.9 125.1 187.7#
98 15.1 50.8 76.2#





#13

Acrolein

Concen: 146.807 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW013357.D

Acq: 01 Oct 2019 03:23

Instrument :

MSVOA_W

ClientSampled :

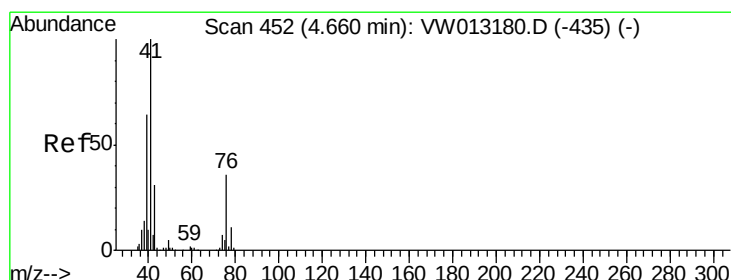
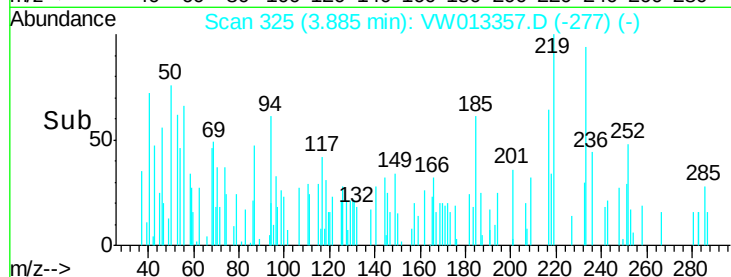
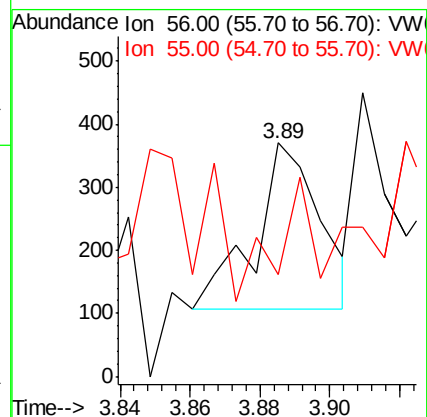
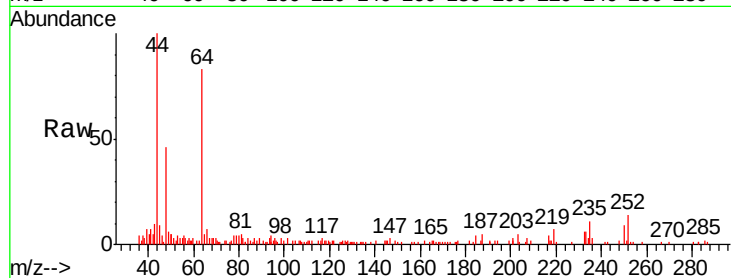
GP-4 (1-3)

Tgt Ion: 56 Resp: 341

Ion Ratio Lower Upper

56 100

55 32.6 55.4 83.0#



#14

Allyl chloride

Concen: 3.528 ug/l

RT: 4.62 min Scan# 446

Delta R.T. -0.04 min

Lab File: VW013357.D

Acq: 01 Oct 2019 03:23

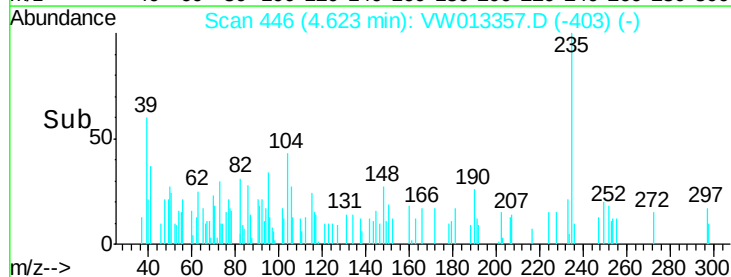
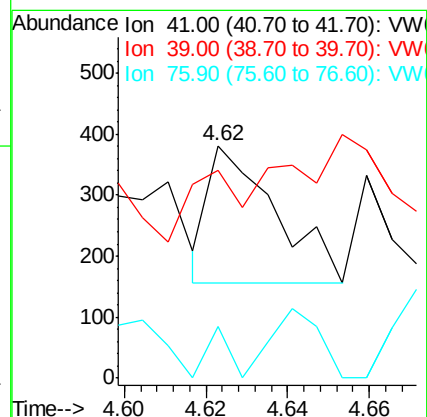
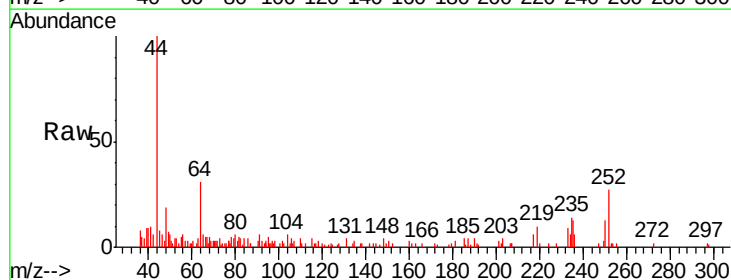
Tgt Ion: 41 Resp: 258

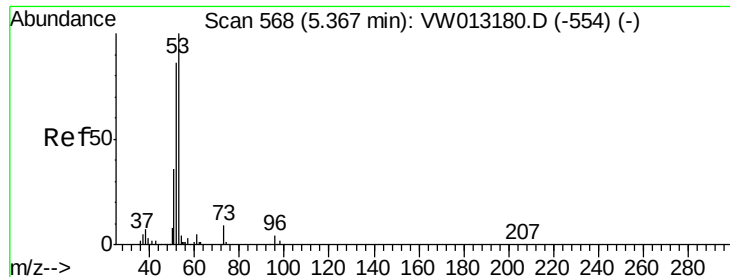
Ion Ratio Lower Upper

41 100

39 37.6 51.0 76.4#

76 48.4 28.4 42.6#





#15

Acrylonitrile

Concen: 17.219 ug/l

RT: 5.29 min Scan# 556

Delta R.T. -0.07 min

Lab File: VW013357.D

Acq: 01 Oct 2019 03:23

Instrument :

MSVOA_W

ClientSampled :

GP-4 (1-3)

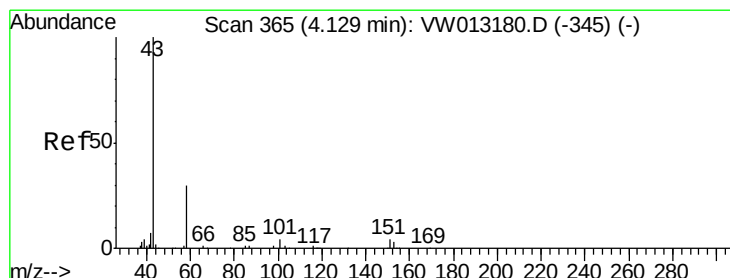
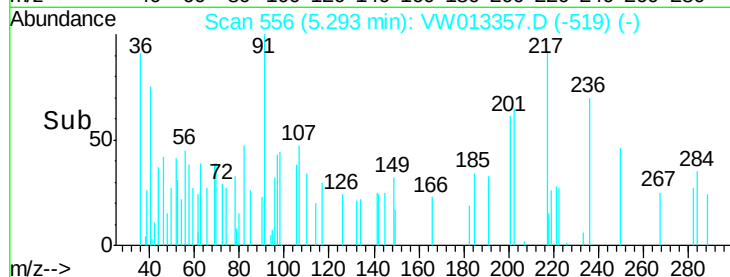
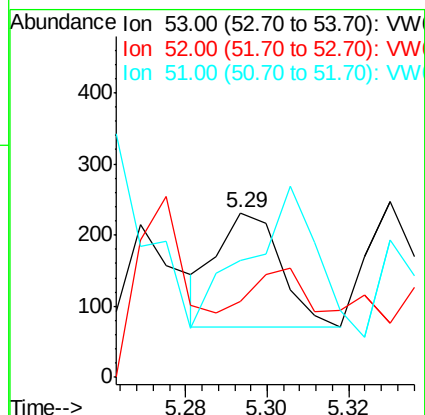
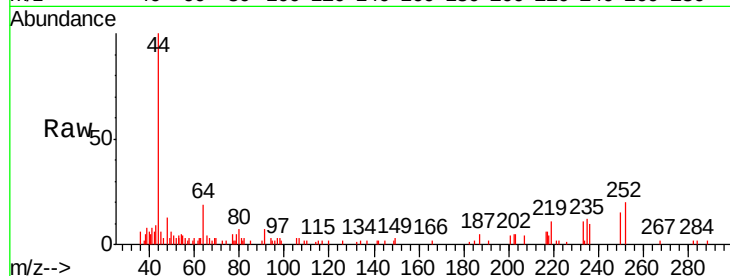
Tgt Ion: 53 Resp: 173

Ion Ratio Lower Upper

53 100

52 82.7 65.3 97.9

51 148.0 29.0 43.4#



#16

Acetone

Concen: 111.106 ug/l

RT: 4.07 min Scan# 355

Delta R.T. -0.06 min

Lab File: VW013357.D

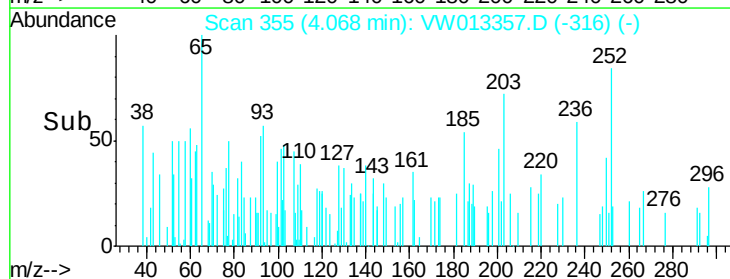
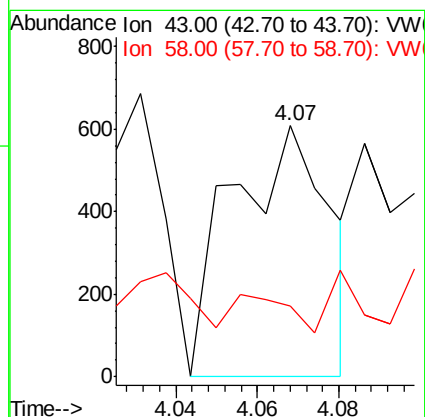
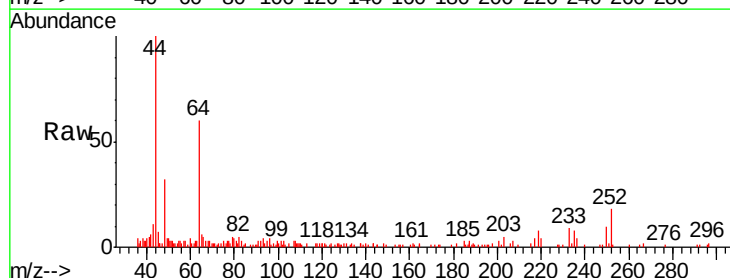
Acq: 01 Oct 2019 03:23

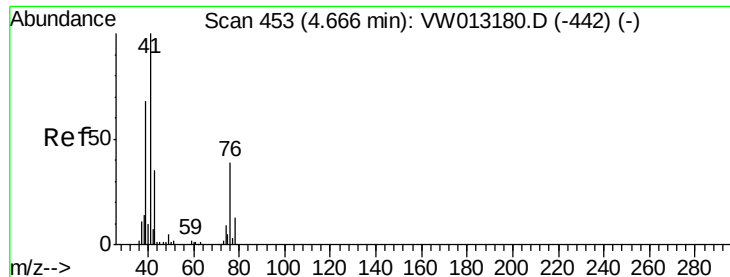
Tgt Ion: 43 Resp: 1011

Ion Ratio Lower Upper

43 100

58 0.0 24.1 36.1#

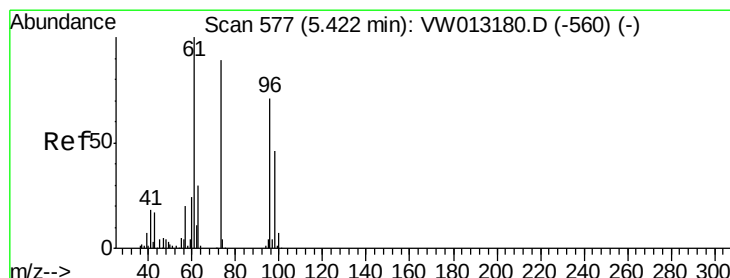
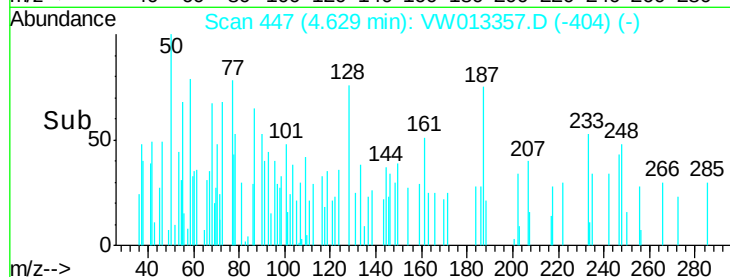
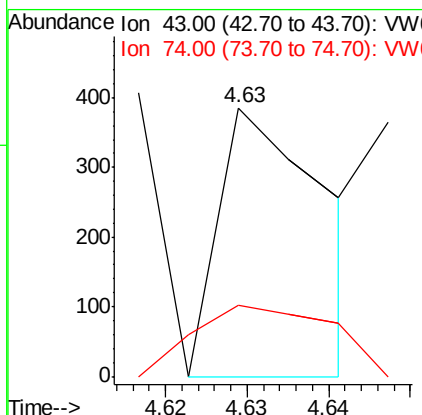
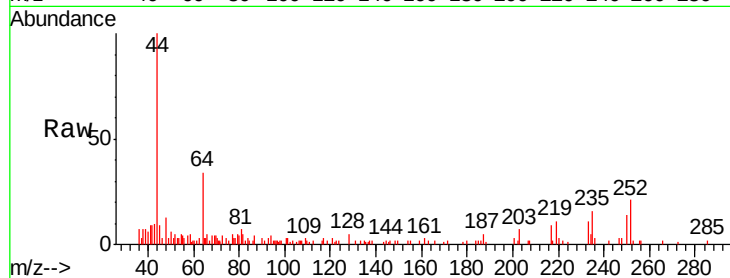




#18
Methyl Acetate
Concen: 13.605 ug/l
RT: 4.63 min Scan# 447
Delta R.T. -0.04 min
Lab File: VW013357.D
Acq: 01 Oct 2019 03:23

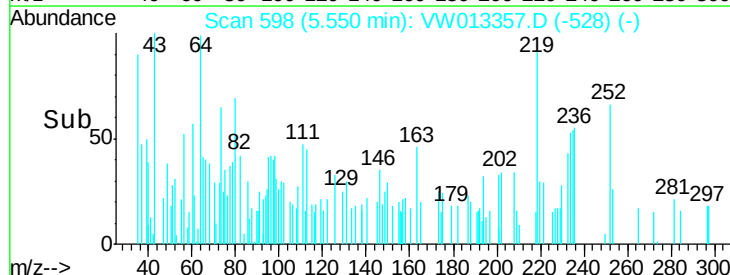
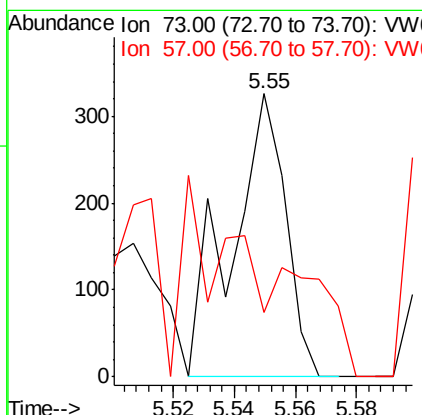
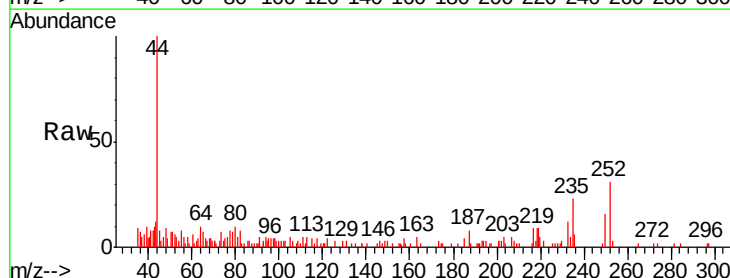
Instrument :
MSVOA_W
ClientSampleId :
GP-4 (1-3)

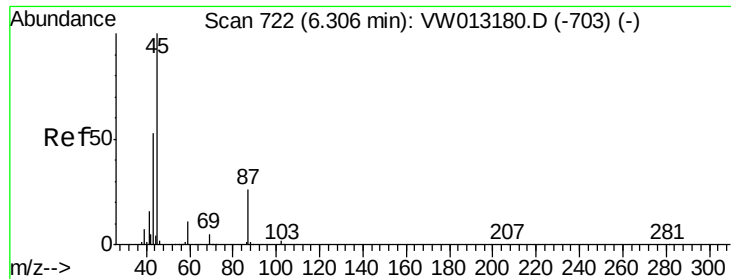
Tgt Ion: 43 Resp: 348
Ion Ratio Lower Upper
43 100
74 28.2 19.3 28.9



#19
Methyl tert-butyl Ether
Concen: 5.709 ug/l
RT: 5.55 min Scan# 598
Delta R.T. 0.13 min
Lab File: VW013357.D
Acq: 01 Oct 2019 03:23

Tgt Ion: 73 Resp: 402
Ion Ratio Lower Upper
73 100
57 0.0 17.6 26.4#





#22

Diisopropyl ether

Concen: 1.863 ug/l

RT: 6.24 min Scan# 711

Delta R.T. -0.07 min

Lab File: VW013357.D

Acq: 01 Oct 2019 03:23

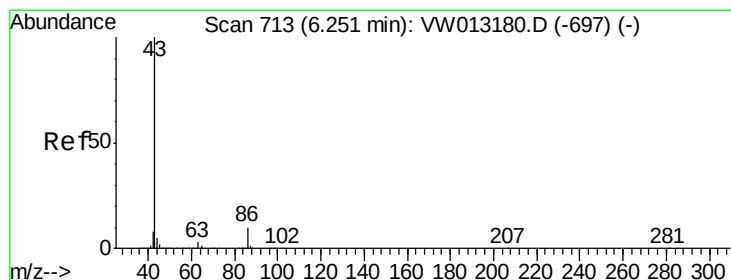
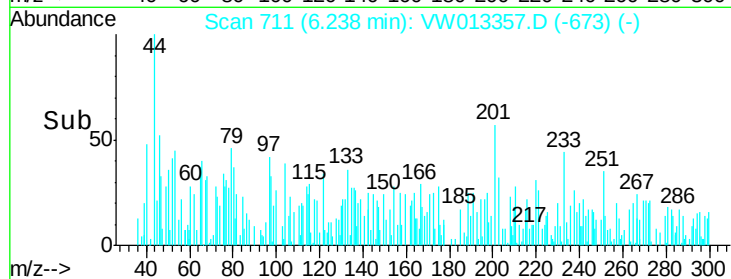
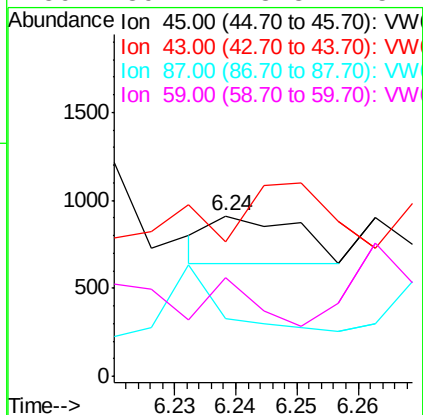
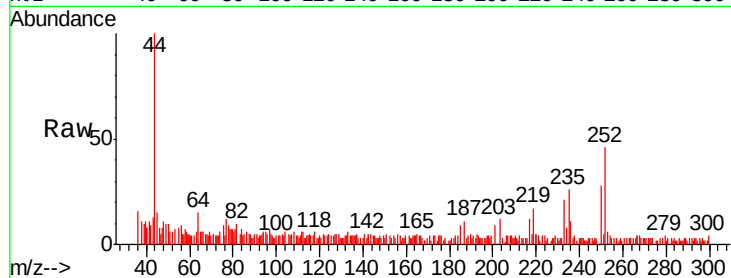
Instrument :

MSVOA_W

ClientSampled :

GP-4 (1-3)

Tgt Ion:	45	Resp:	259
Ion	Ratio	Lower	Upper
45	100		
43	0.0	42.4	63.6#
87	0.0	20.4	30.6#
59	89.2	8.8	13.2#



#23

Vinyl Acetate

Concen: 6.086 ug/l

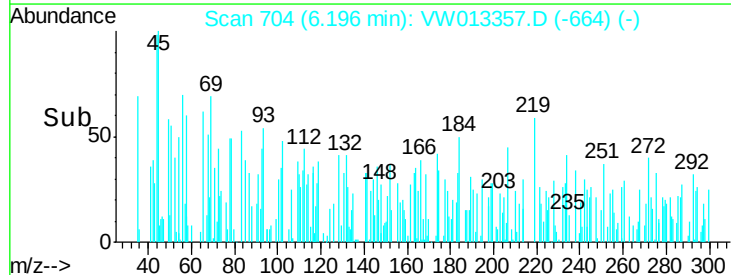
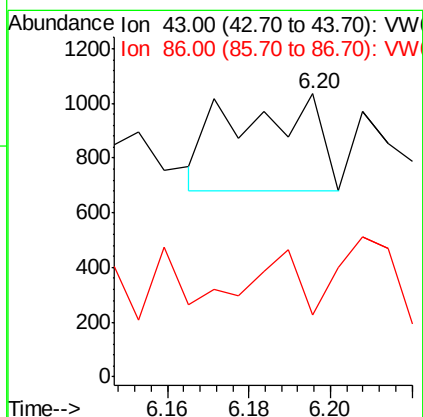
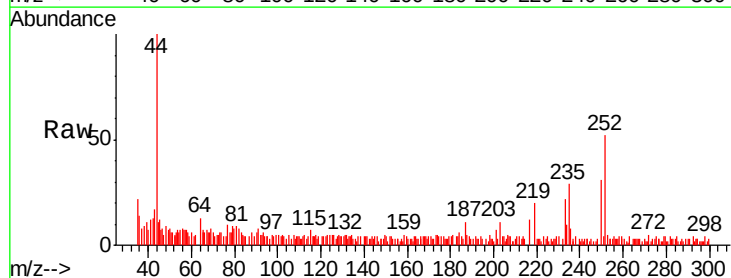
RT: 6.20 min Scan# 704

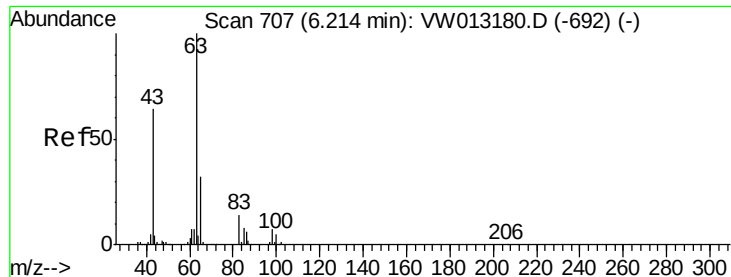
Delta R.T. -0.06 min

Lab File: VW013357.D

Acq: 01 Oct 2019 03:23

Tgt Ion:	43	Resp:	502
Ion	Ratio	Lower	Upper
43	100		
86	0.0	8.3	12.5#





#24

1,1-Dichloroethane

Concen: 6.078 ug/l

RT: 6.13 min Scan# 694

Delta R.T. -0.08 min

Lab File: VW013357.D

Acq: 01 Oct 2019 03:23

Instrument :

MSVOA_W

ClientSampled :

GP-4 (1-3)

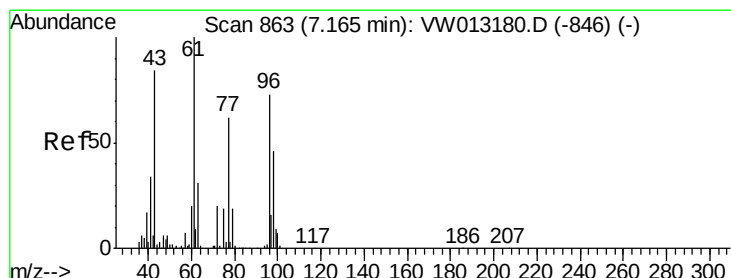
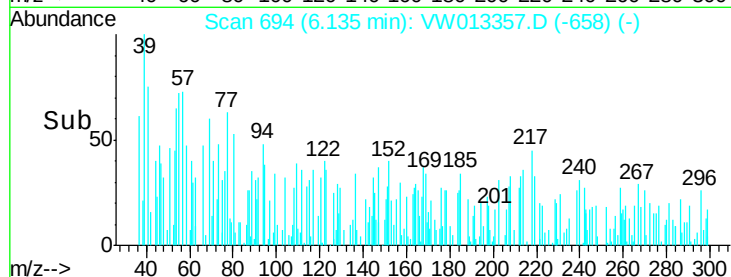
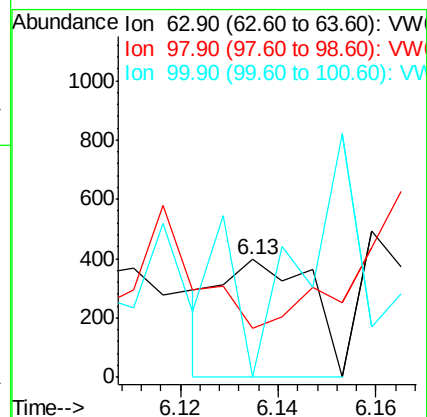
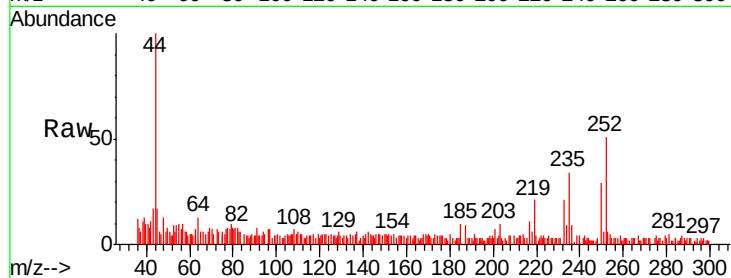
Tgt Ion: 63 Resp: 510

Ion Ratio Lower Upper

63 100

98 0.0 3.5 10.5#

100 10.4 2.4 7.1#



#25

2-Butanone

Concen: 21.011 ug/l

RT: 7.10 min Scan# 853

Delta R.T. -0.06 min

Lab File: VW013357.D

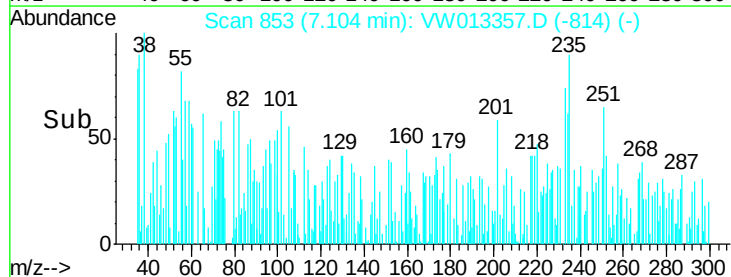
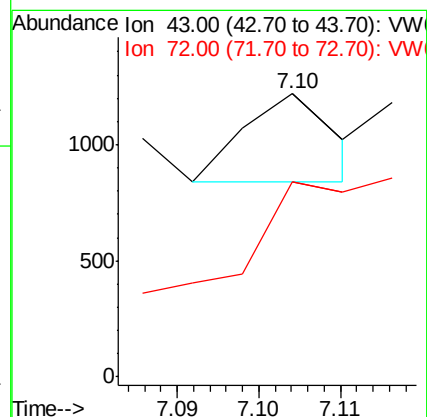
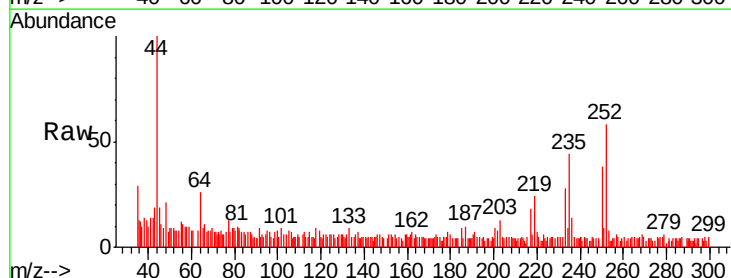
Acq: 01 Oct 2019 03:23

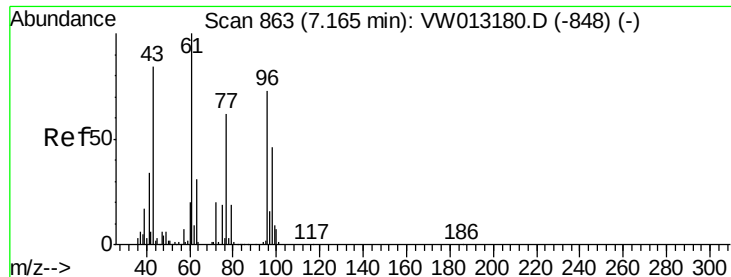
Tgt Ion: 43 Resp: 287

Ion Ratio Lower Upper

43 100

72 17.2 19.4 29.0#





#26

2,2-Dichloropropane

Concen: 17.046 ug/l

RT: 7.09 min Scan# 850

Delta R.T. -0.08 min

Lab File: VW013357.D

Acq: 01 Oct 2019 03:23

Instrument :

MSVOA_W

ClientSampled :

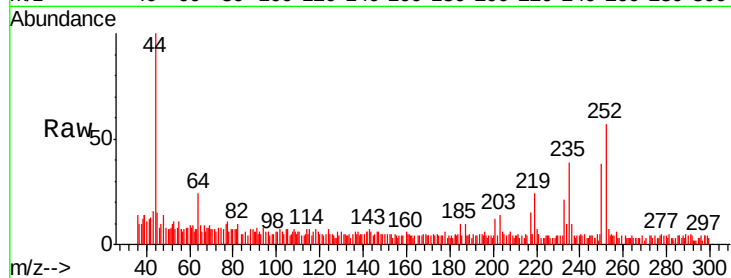
GP-4 (1-3)

Tgt Ion: 77 Resp: 966

Ion Ratio Lower Upper

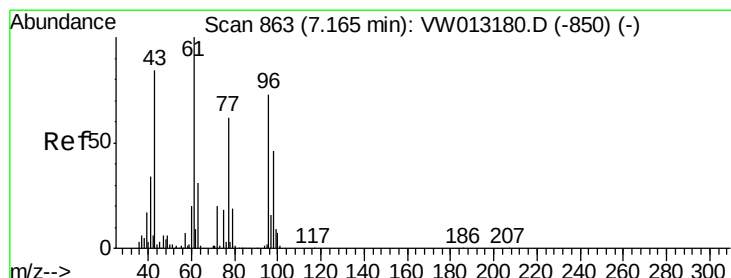
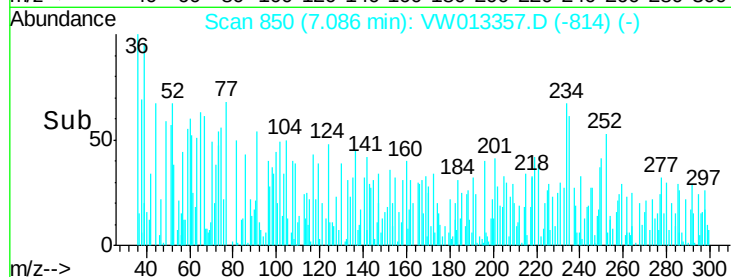
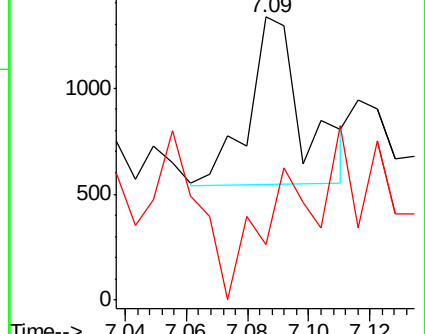
77 100

97 78.8 11.8 35.4#



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW



#27

cis-1,2-Dichloroethene

Concen: 5.973 ug/l

RT: 7.04 min Scan# 843

Delta R.T. -0.12 min

Lab File: VW013357.D

Acq: 01 Oct 2019 03:23

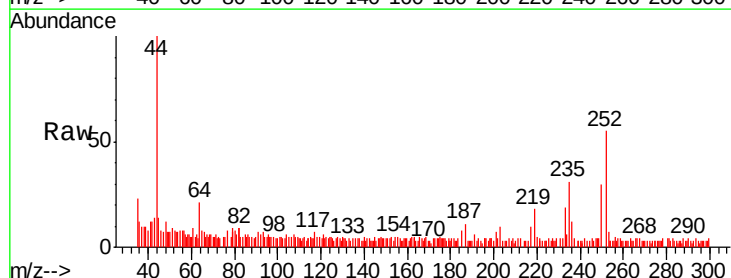
Tgt Ion: 96 Resp: 313

Ion Ratio Lower Upper

96 100

61 178.3 0.0 282.4

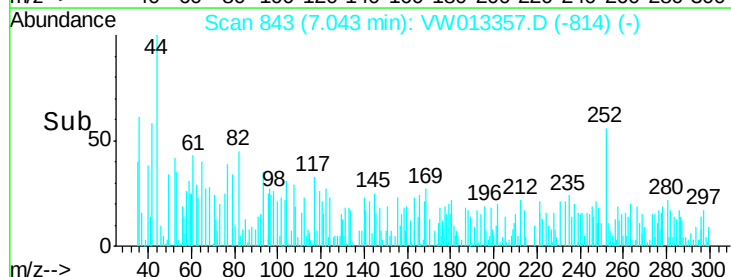
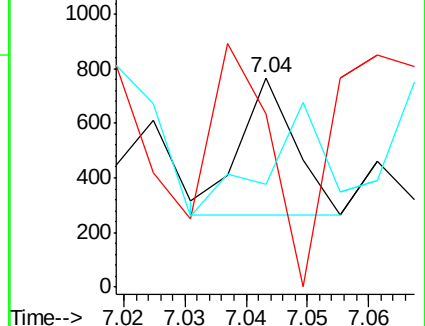
98 39.0 0.0 128.2

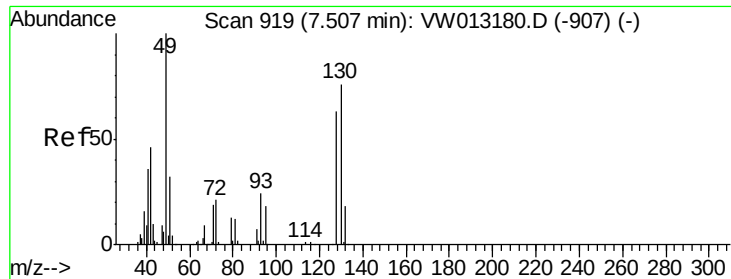


Abundance Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW





#28

Bromochloromethane

Concen: 15.371 ug/l

RT: 7.43 min Scan# 907

Delta R.T. -0.07 min

Lab File: VW013357.D

Acq: 01 Oct 2019 03:23

Instrument :

MSVOA_W

ClientSampled :

GP-4 (1-3)

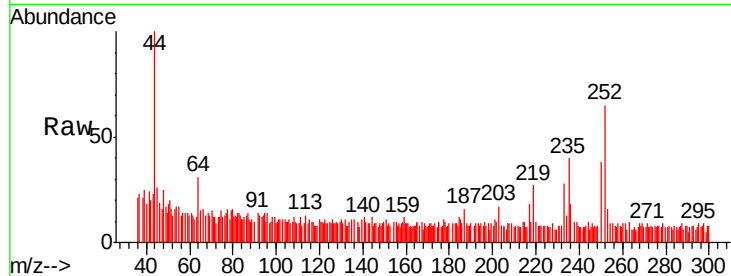
Tgt Ion: 49 Resp: 495

Ion Ratio Lower Upper

49 100

129 0.0 0.0 1.0

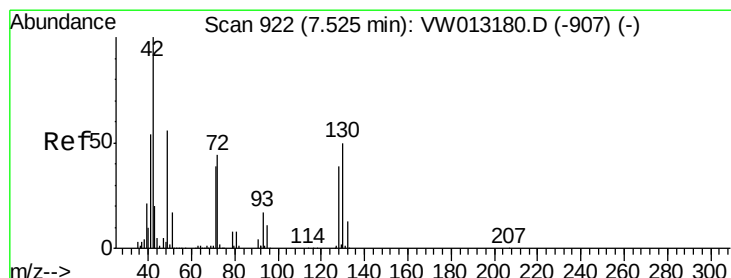
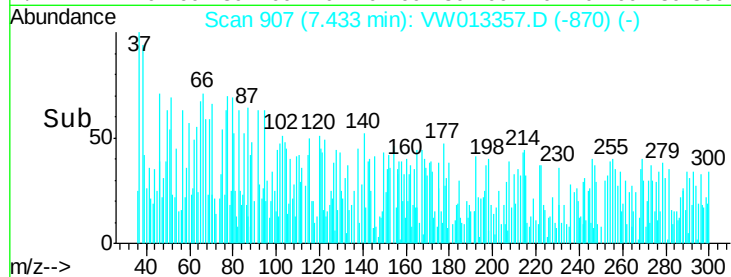
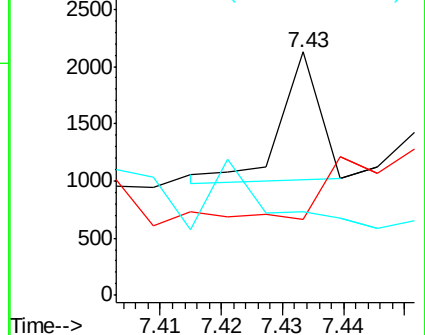
130 0.0 63.4 95.2#



Abundance Ion 48.90 (48.60 to 49.60): VW

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



#29

Tetrahydrofuran

Concen: 83.800 ug/l

RT: 7.48 min Scan# 914

Delta R.T. -0.05 min

Lab File: VW013357.D

Acq: 01 Oct 2019 03:23

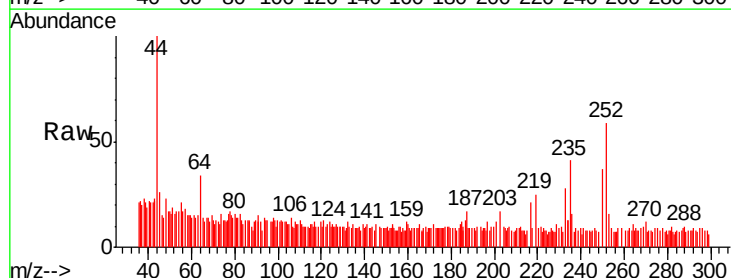
Tgt Ion: 42 Resp: 702

Ion Ratio Lower Upper

42 100

72 0.0 33.9 50.9#

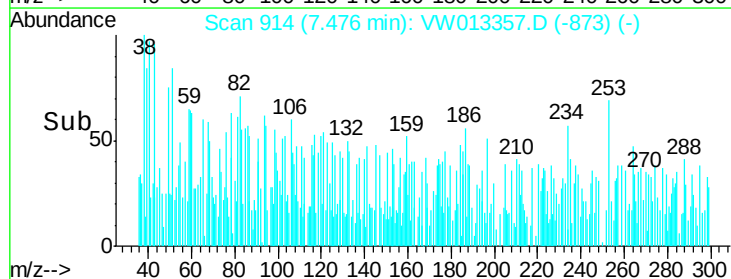
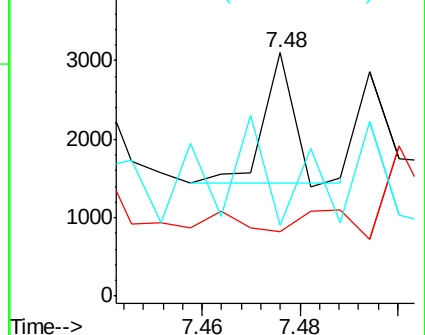
71 56.4 31.9 47.9#

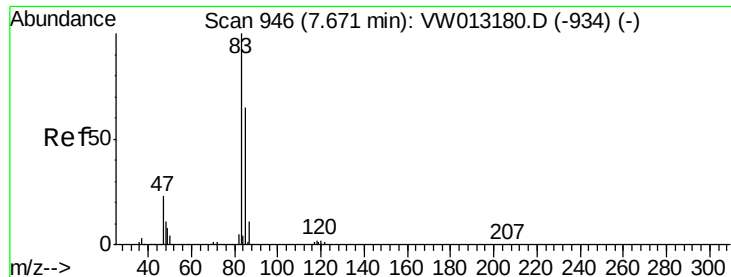


Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW

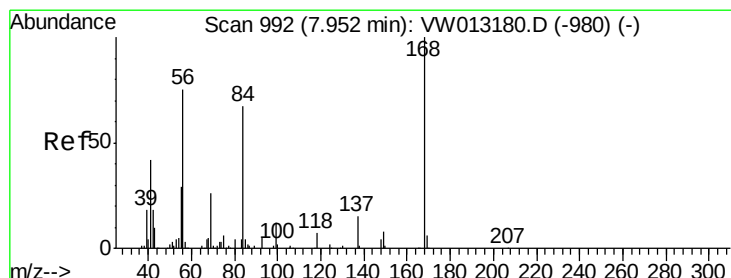
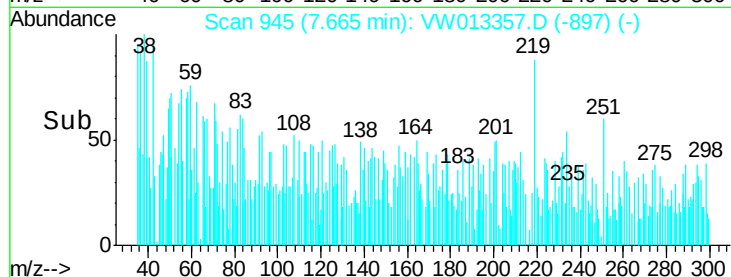
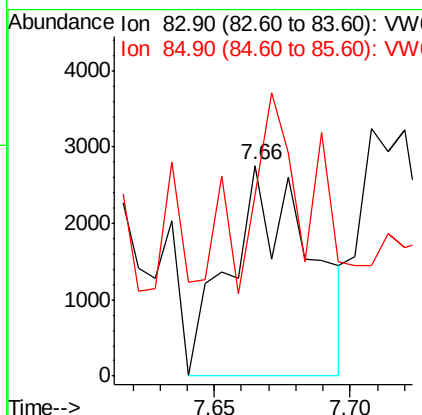
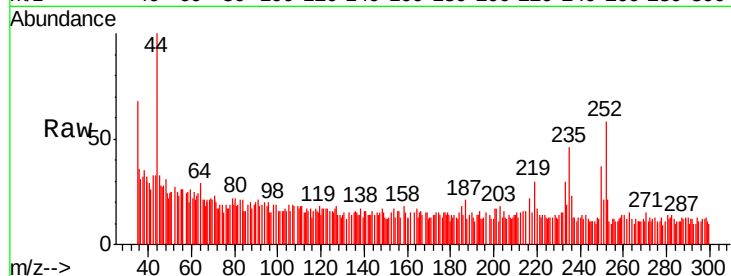




#30
Chloroform
Concen: 67.963 ug/l
RT: 7.66 min Scan# 945
Delta R.T. -0.01 min
Lab File: VW013357.D
Acq: 01 Oct 2019 03:23

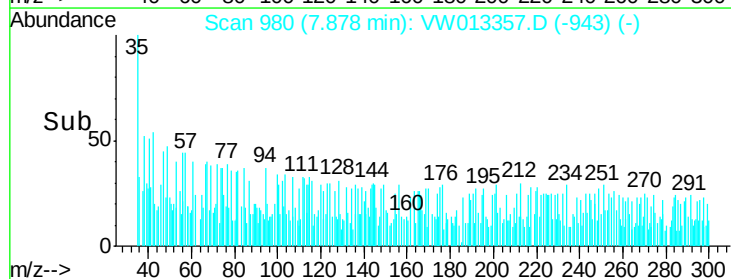
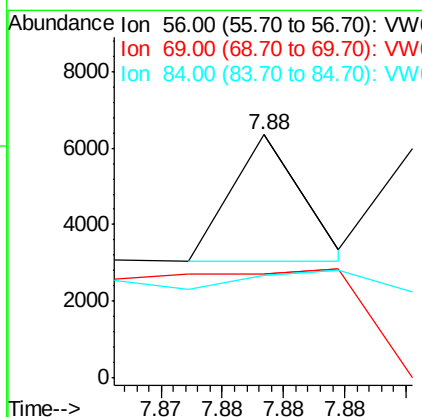
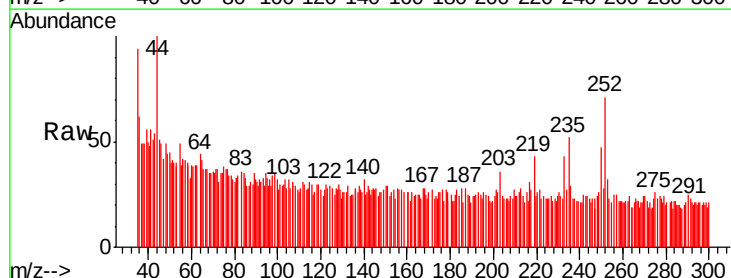
Instrument :
MSVOA_W
ClientSampled :
GP-4 (1-3)

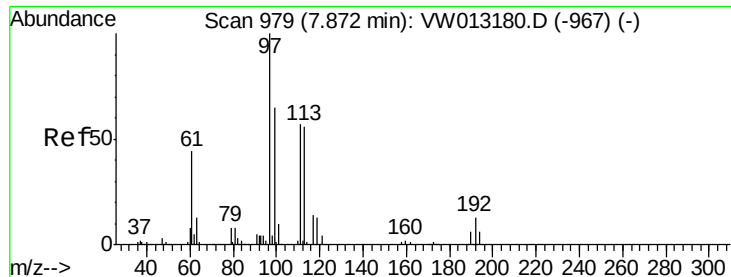
Tgt Ion: 83 Resp: 5583
Ion Ratio Lower Upper
83 100
85 75.5 52.3 78.5



#31
Cyclohexane
Concen: 15.138 ug/l
RT: 7.88 min Scan# 980
Delta R.T. -0.07 min
Lab File: VW013357.D
Acq: 01 Oct 2019 03:23

Tgt Ion: 56 Resp: 1324
Ion Ratio Lower Upper
56 100
69 0.0 27.2 40.8#
84 11.4 70.8 106.2#





#32

1,1,1-Trichloroethane

Concen: 94.630 ug/l

RT: 7.81 min Scan# 968

Delta R.T. -0.07 min

Lab File: VW013357.D

Acq: 01 Oct 2019 03:23

Instrument :

MSVOA_W

ClientSampleId :

GP-4 (1-3)

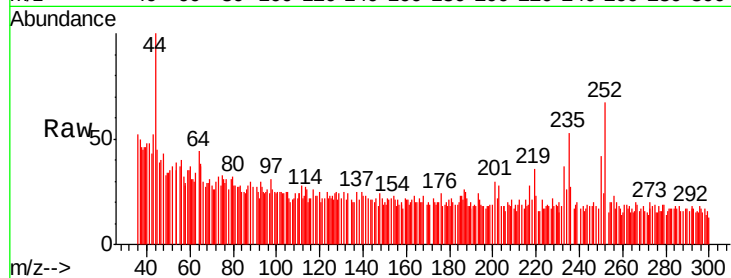
Tgt Ion: 97 Resp: 6296

Ion Ratio Lower Upper

97 100

99 0.0 51.7 77.5#

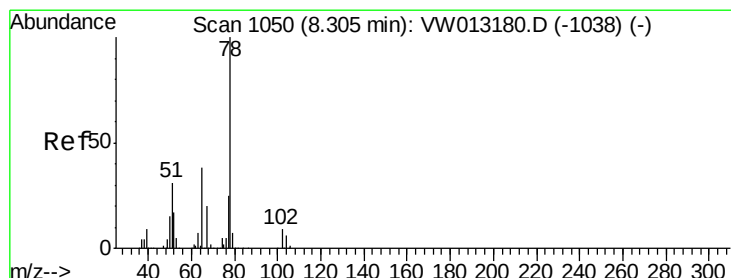
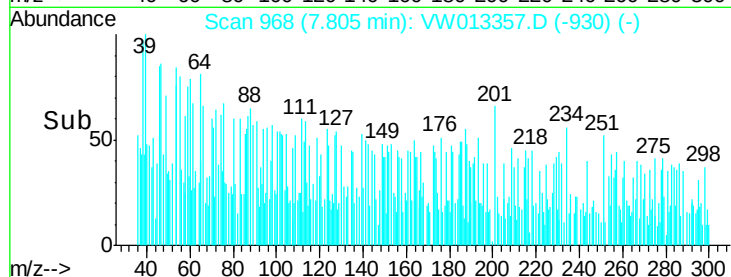
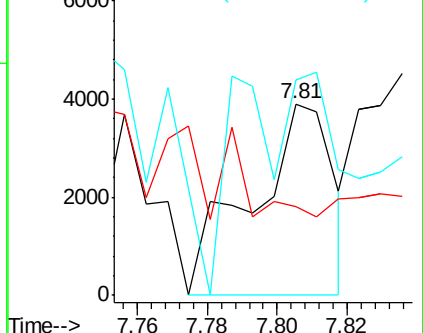
61 45.2 34.6 51.8



Abundance Ion 96.90 (96.60 to 97.60): VW

Ion 98.90 (98.60 to 99.60): VW

Ion 60.90 (60.60 to 61.60): VW



#33

1,2-Dichloroethane-d4

Concen: 173.704 ug/l

RT: 8.16 min Scan# 1027

Delta R.T. -0.14 min

Lab File: VW013357.D

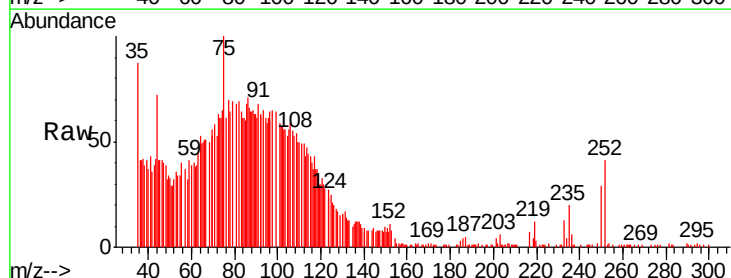
Acq: 01 Oct 2019 03:23

Tgt Ion: 65 Resp: 7009

Ion Ratio Lower Upper

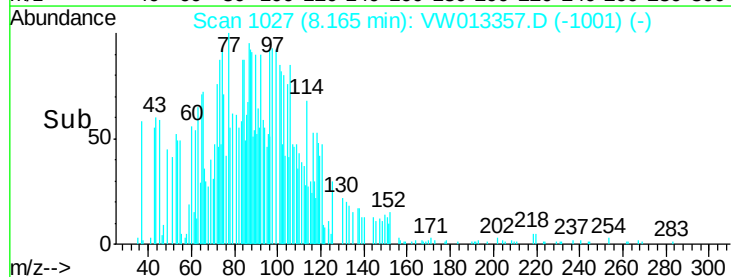
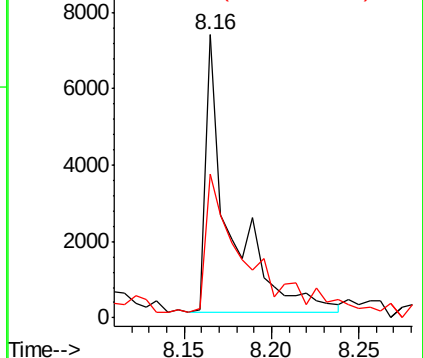
65 100

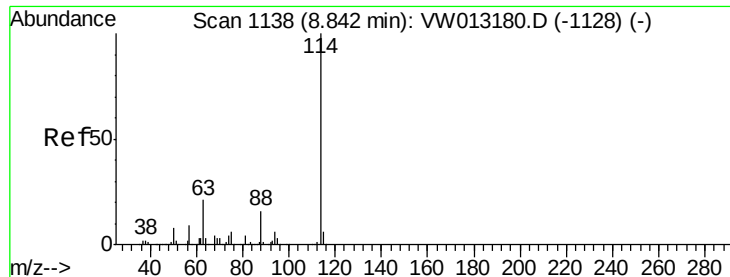
67 100.2 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

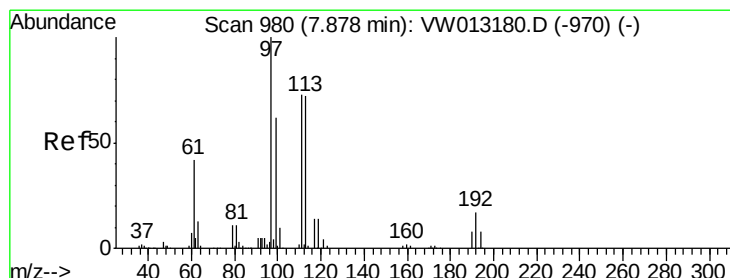
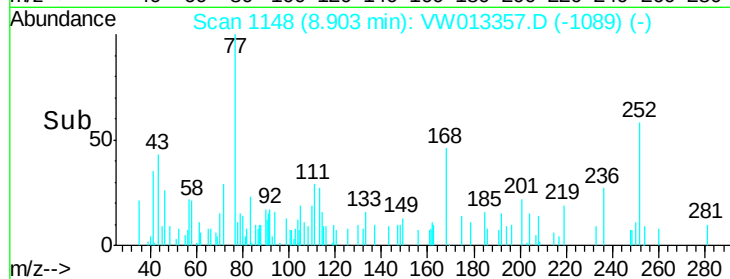
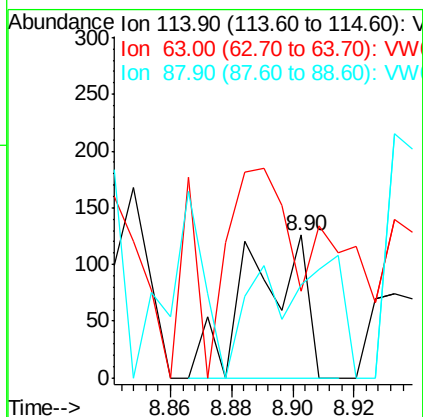
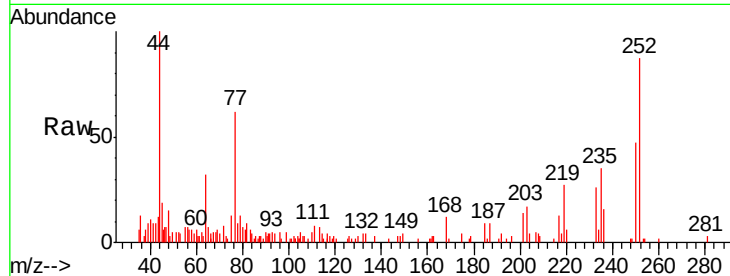




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.90 min Scan# 1148
 Delta R.T. 0.06 min
 Lab File: VW013357.D
 Acq: 01 Oct 2019 03:23

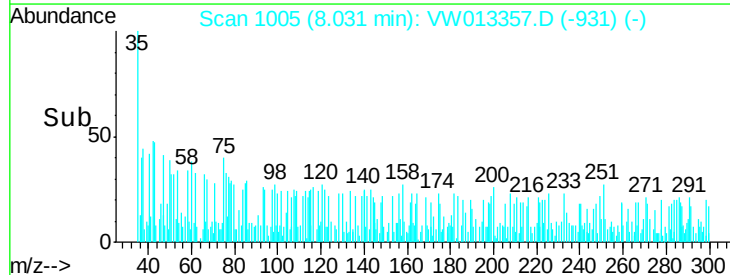
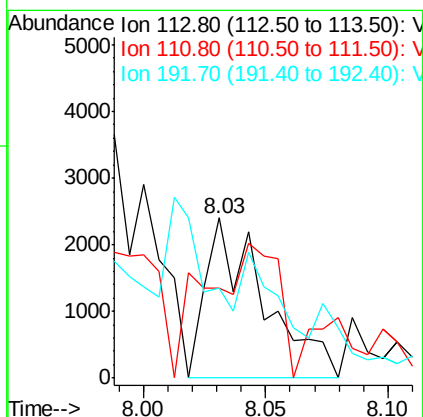
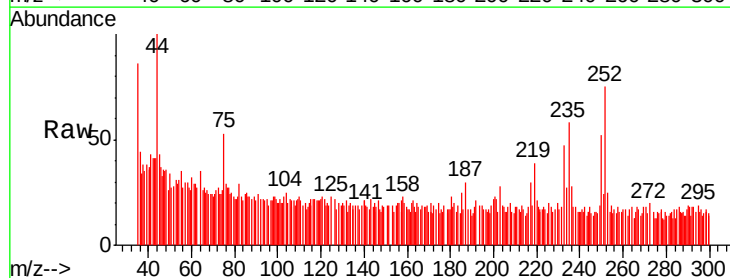
Instrument :
 MSVOA_W
 ClientSampleId :
 GP-4 (1-3)

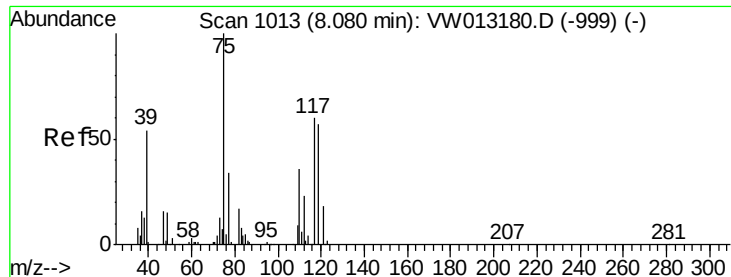
Tgt Ion:114 Resp: 163
 Ion Ratio Lower Upper
 114 100
 63 0.0 0.0 41.4
 88 0.0 0.0 32.0



#35
 Dibromofluoromethane
 Concen: 4398.210 ug/l
 RT: 8.03 min Scan# 1005
 Delta R.T. 0.15 min
 Lab File: VW013357.D
 Acq: 01 Oct 2019 03:23

Tgt Ion:113 Resp: 3943
 Ion Ratio Lower Upper
 113 100
 111 103.9 81.9 122.9
 192 26.3 19.1 28.7

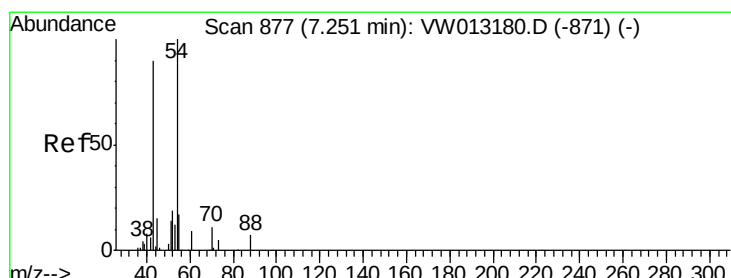
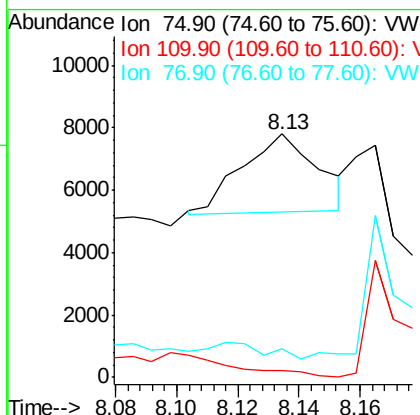
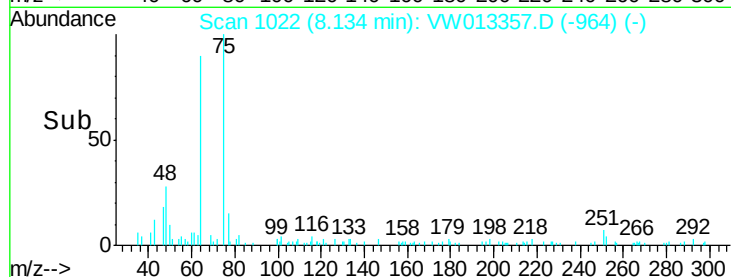
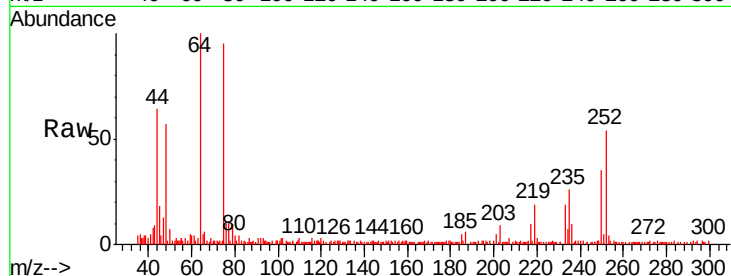




#36
 1,1-Dichloropropene
 Concen: 2701.480 ug/l
 RT: 8.13 min Scan# 1022
 Delta R.T. 0.05 min
 Lab File: VW013357.D
 Acq: 01 Oct 2019 03:23

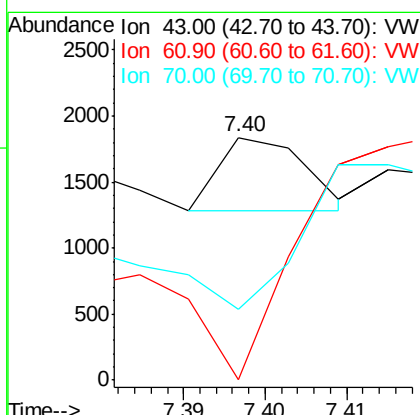
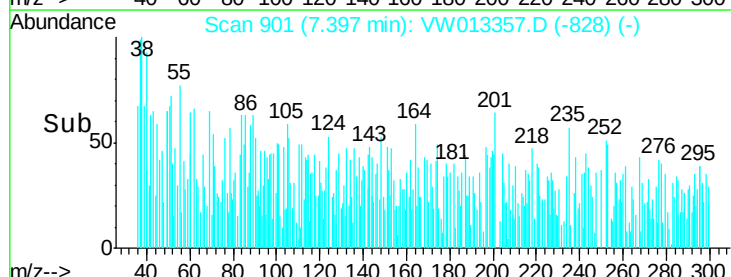
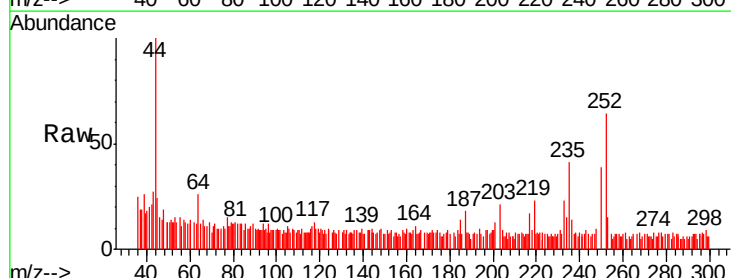
Instrument :
 MSVOA_W
 ClientSampled :
 GP-4 (1-3)

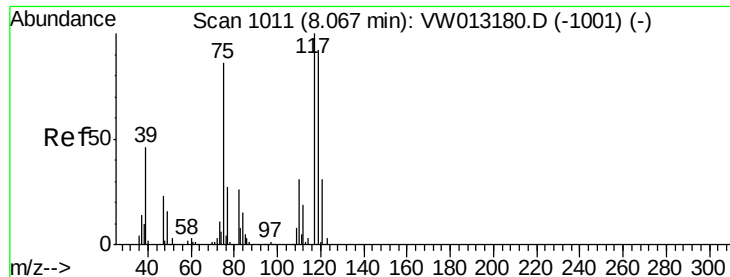
Tgt Ion: 75 Resp: 4265
 Ion Ratio Lower Upper
 75 100
 110 0.0 18.1 54.3#
 77 0.0 25.8 38.6#



#37
 Ethyl Acetate
 Concen: 612.536 ug/l
 RT: 7.40 min Scan# 901
 Delta R.T. 0.15 min
 Lab File: VW013357.D
 Acq: 01 Oct 2019 03:23

Tgt Ion: 43 Resp: 411
 Ion Ratio Lower Upper
 43 100
 61 0.0 10.9 16.3#
 70 0.0 8.2 12.2#





#38

Carbon Tetrachloride

Concen: 338.454 ug/l

RT: 8.11 min Scan# 1018

Delta R.T. 0.04 min

Lab File: VW013357.D

Acq: 01 Oct 2019 03:23

Instrument :

MSVOA_W

ClientSampleId :

GP-4 (1-3)

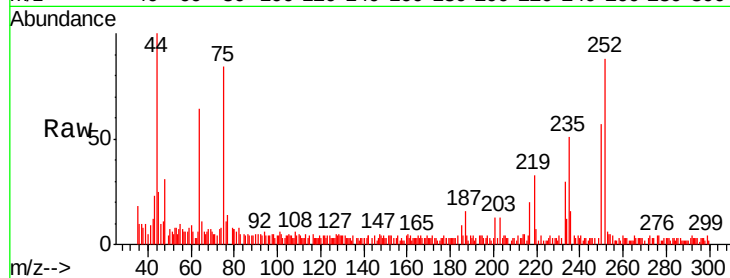
Tgt Ion:117 Resp: 479

Ion Ratio Lower Upper

117 100

119 16.1 73.5 110.3#

121 17.1 25.0 37.6#

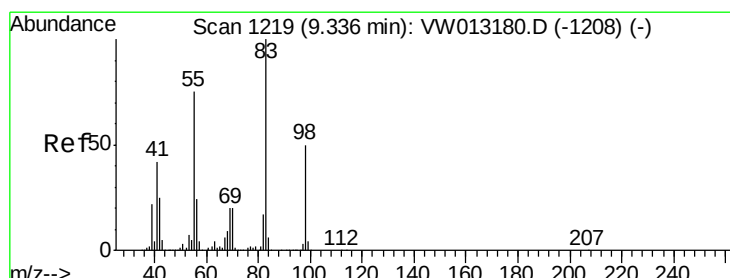
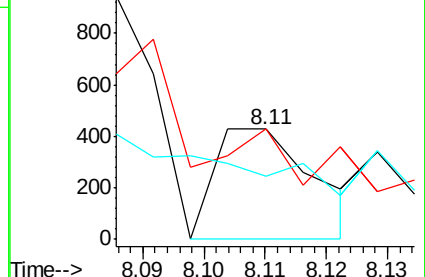
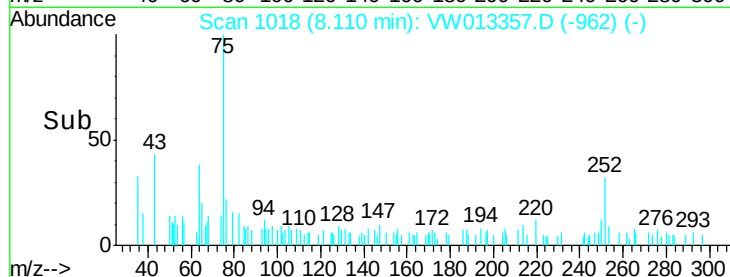


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

Time-->



#39

Methylcyclohexane

Concen: 2788.223 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. 0.11 min

Lab File: VW013357.D

Acq: 01 Oct 2019 03:23

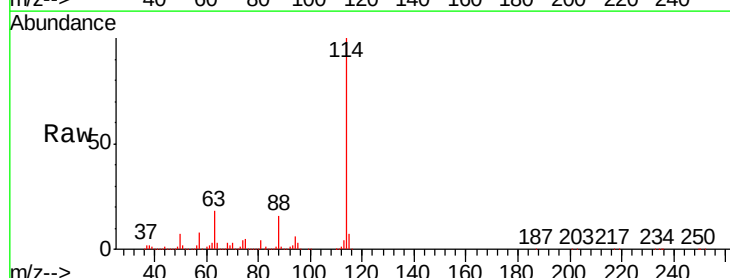
Tgt Ion: 83 Resp: 5657

Ion Ratio Lower Upper

83 100

55 20.7 60.4 90.6#

98 0.0 40.0 60.0#

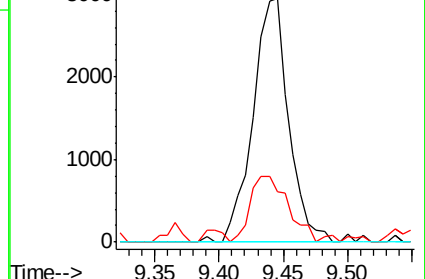
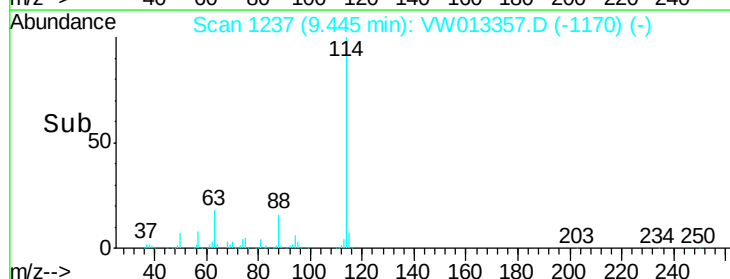


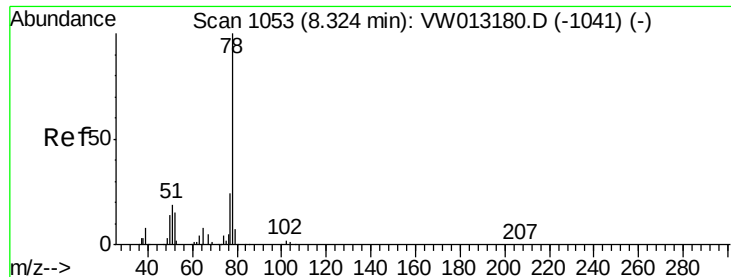
Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

Time-->





#40

Benzene

Concen: 193.021 ug/l

RT: 8.44 min Scan# 1072

Delta R.T. 0.12 min

Lab File: VW013357.D

Acq: 01 Oct 2019 03:23

Instrument :

MSVOA_W

ClientSampleId :

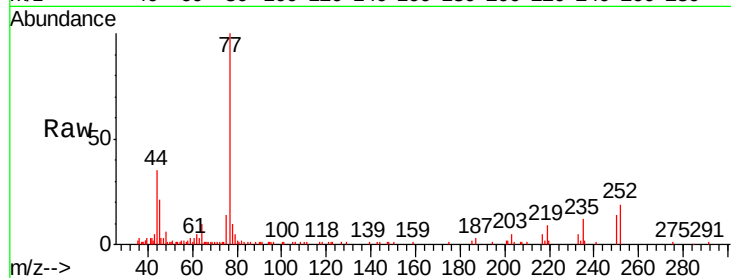
GP-4 (1-3)

Tgt Ion: 78 Resp: 850

Ion Ratio Lower Upper

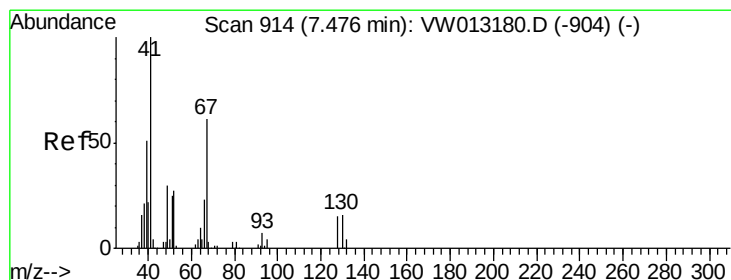
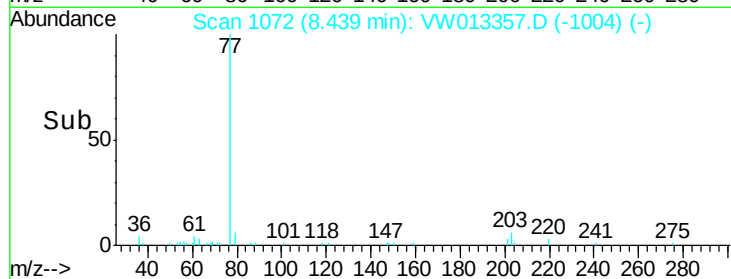
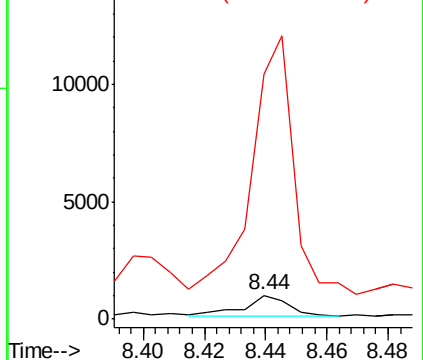
78 100

77 1040.8 19.1 28.7#



Abundance Ion 78.00 (77.70 to 78.70): VW

Ion 77.00 (76.70 to 77.70): VW



#41

Methacrylonitrile

Concen: 2976.561 ug/l

RT: 7.52 min Scan# 921

Delta R.T. 0.04 min

Lab File: VW013357.D

Acq: 01 Oct 2019 03:23

Tgt Ion: 41 Resp: 1192

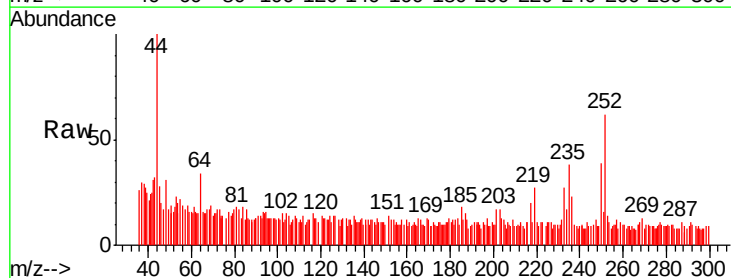
Ion Ratio Lower Upper

41 100

39 179.9 45.9 68.9#

67 0.0 54.5 81.7#

52 0.0 22.5 33.7#

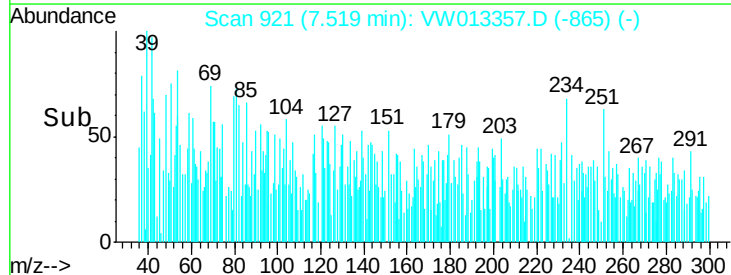
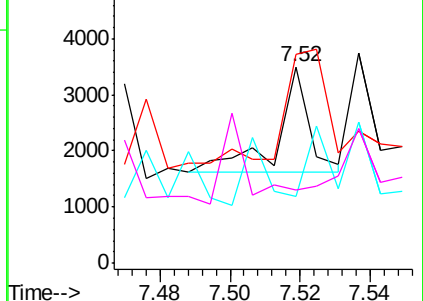


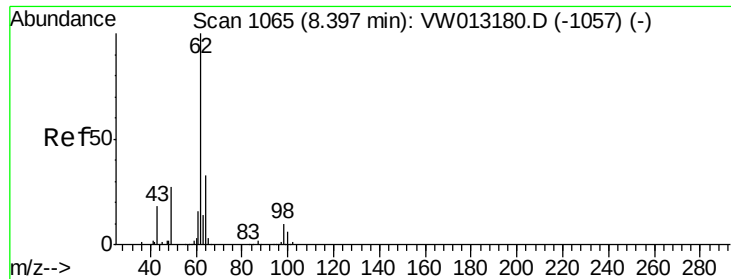
Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW





#42

1,2-Dichloroethane

Concen: 384.359 ug/l

RT: 8.45 min Scan# 1073

Delta R.T. 0.05 min

Lab File: VW013357.D

Acq: 01 Oct 2019 03:23

Instrument :

MSVOA_W

ClientSampled :

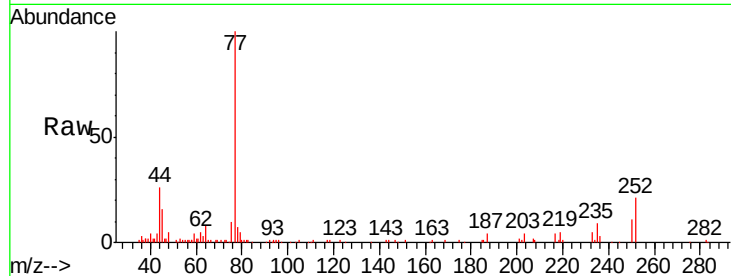
GP-4 (1-3)

Tgt Ion: 62 Resp: 455

Ion Ratio Lower Upper

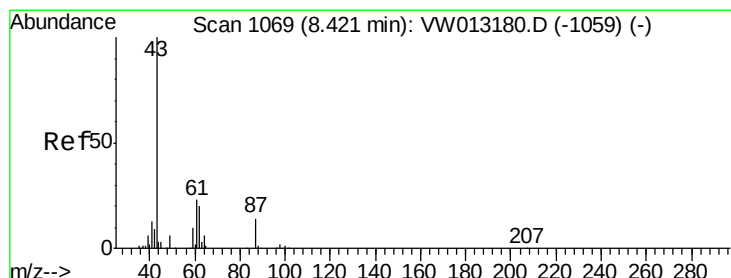
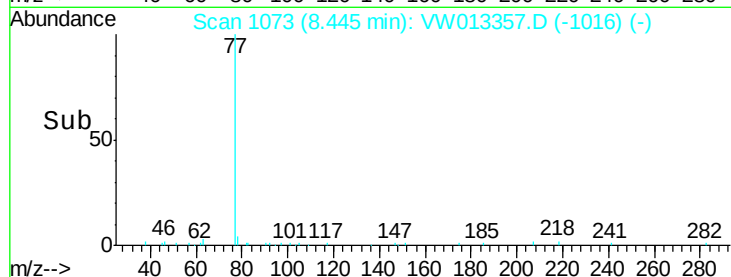
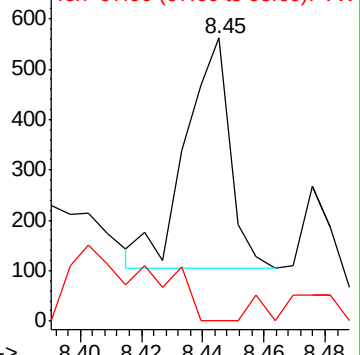
62 100

98 0.0 0.0 20.6



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW



#43

Isopropyl Acetate

Concen: 301.712 ug/l

RT: 8.39 min Scan# 1064

Delta R.T. -0.03 min

Lab File: VW013357.D

Acq: 01 Oct 2019 03:23

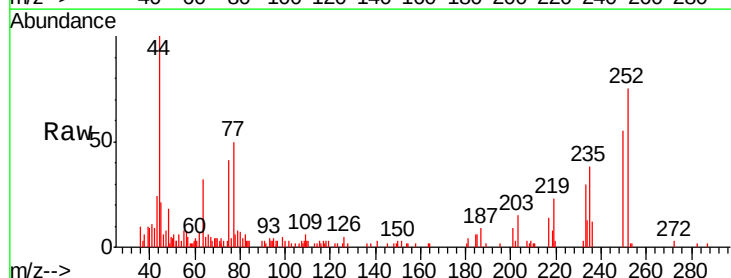
Tgt Ion: 43 Resp: 388

Ion Ratio Lower Upper

43 100

61 0.0 25.5 38.3#

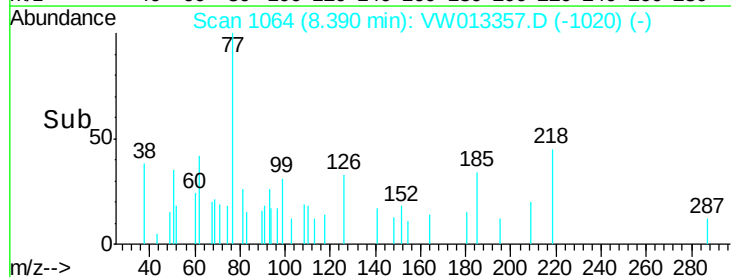
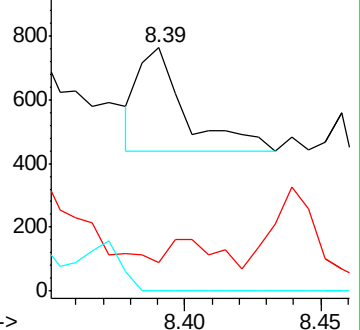
87 32.5 11.0 16.4#

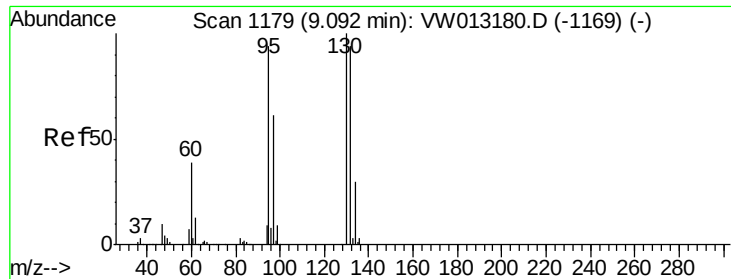


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW





#44

Trichloroethene

Concen: 46.943 ug/l

RT: 9.03 min Scan# 1169

Delta R.T. -0.06 min

Lab File: VW013357.D

Acq: 01 Oct 2019 03:23

Instrument :

MSVOA_W

ClientSampleId :

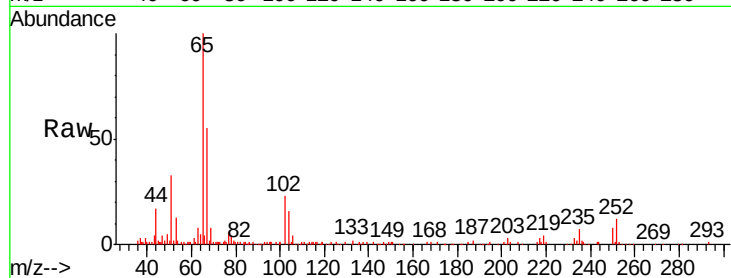
GP-4 (1-3)

Tgt Ion:130 Resp: 58

Ion Ratio Lower Upper

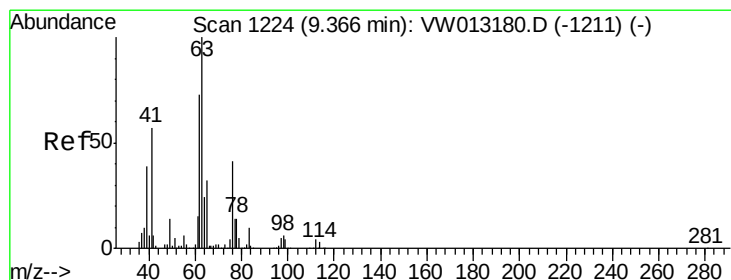
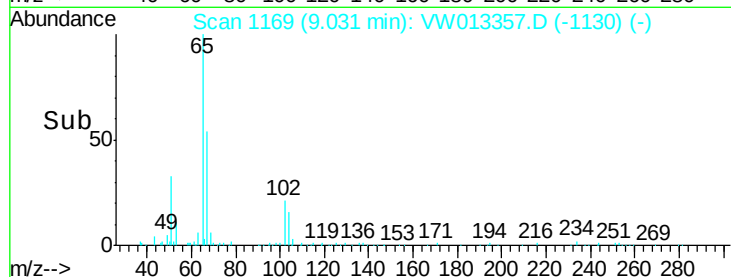
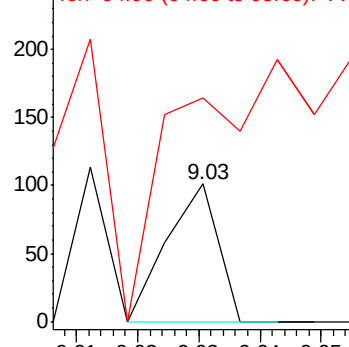
130 100

95 344.6 0.0 188.0#



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW



#45

1,2-Dichloropropane

Concen: 82353.757 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. 0.07 min

Lab File: VW013357.D

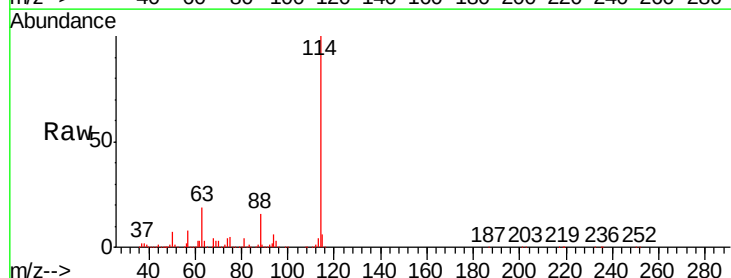
Acq: 01 Oct 2019 03:23

Tgt Ion: 63 Resp: 88540

Ion Ratio Lower Upper

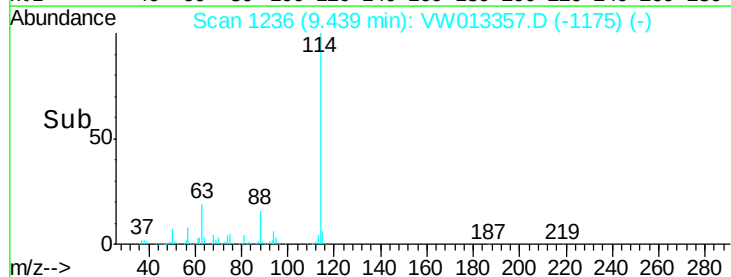
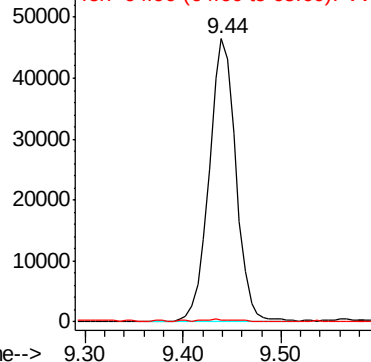
63 100

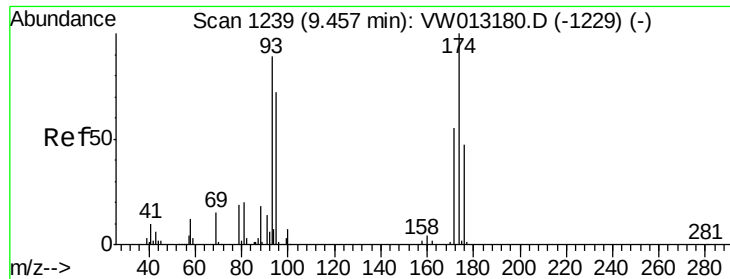
65 0.4 25.3 37.9#



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW





#46

Dibromomethane

Concen: 15280.685 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. -0.02 min

Lab File: VW013357.D

Acq: 01 Oct 2019 03:23

Instrument :

MSVOA_W

ClientSampleId :

GP-4 (1-3)

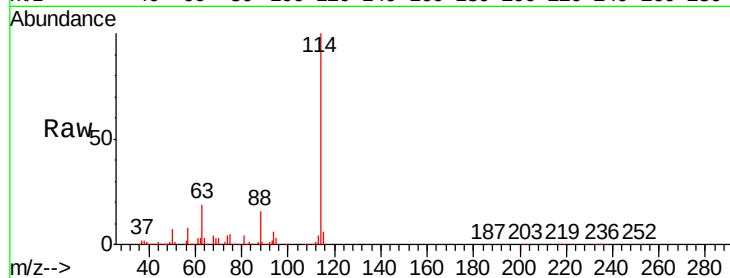
Tgt Ion: 93 Resp: 7976

Ion Ratio Lower Upper

93 100

95 176.9 66.4 99.6#

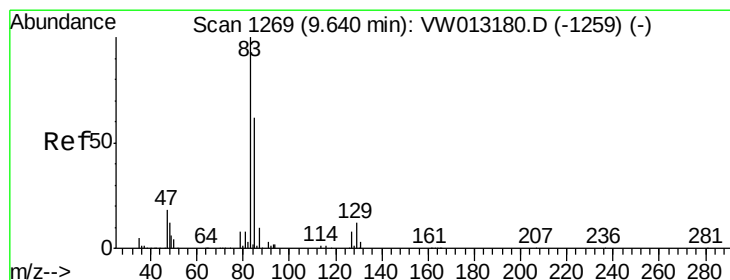
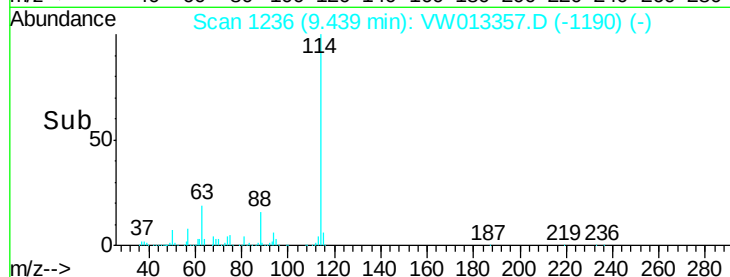
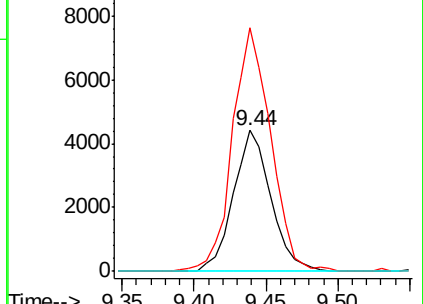
174 0.0 93.0 139.6#



Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V



#47

Bromodichloromethane

Concen: 426.904 ug/l

RT: 9.86 min Scan# 1305

Delta R.T. 0.22 min

Lab File: VW013357.D

Acq: 01 Oct 2019 03:23

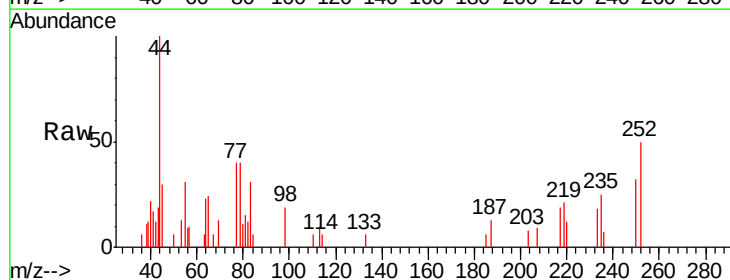
Tgt Ion: 83 Resp: 567

Ion Ratio Lower Upper

83 100

85 0.0 49.4 74.2#

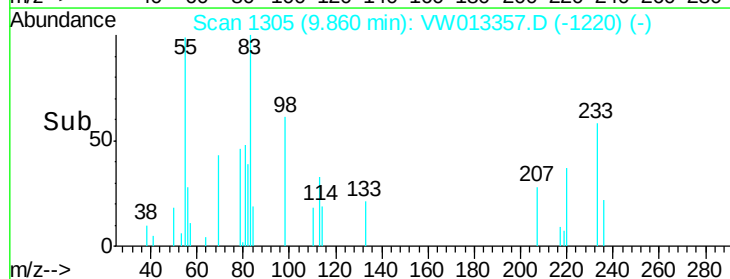
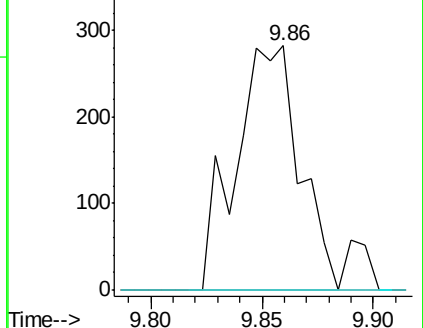
127 0.0 6.5 9.7#

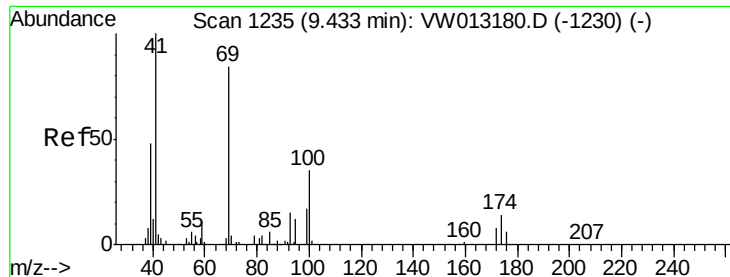


Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): V

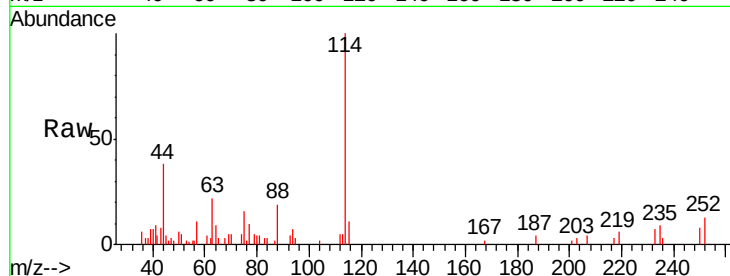




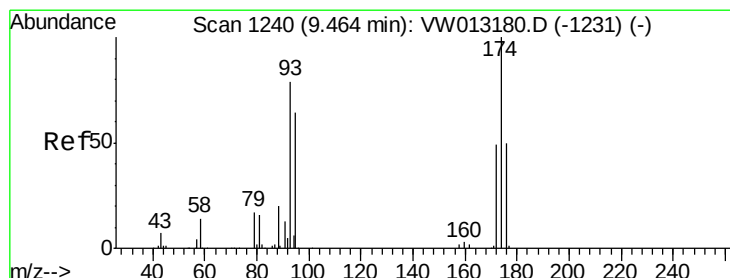
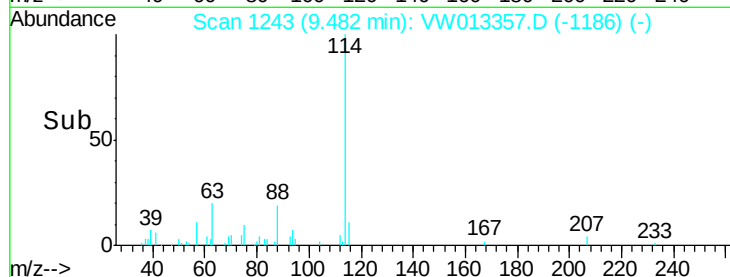
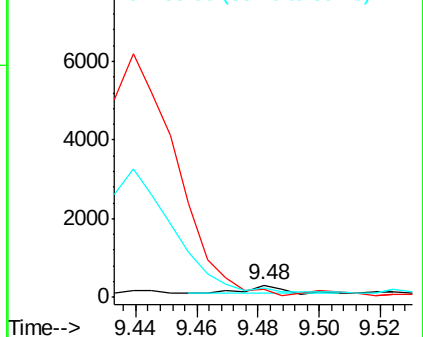
#48
Methyl methacrylate
Concen: 246.402 ug/l
RT: 9.48 min Scan# 1243
Delta R.T. 0.05 min
Lab File: VW013357.D
Acq: 01 Oct 2019 03:23

Instrument :
MSVOA_W
ClientSampled :
GP-4 (1-3)

Tgt Ion: 41 Resp: 149
Ion Ratio Lower Upper
41 100
69 0.0 69.7 104.5#
39 0.0 41.1 61.7#

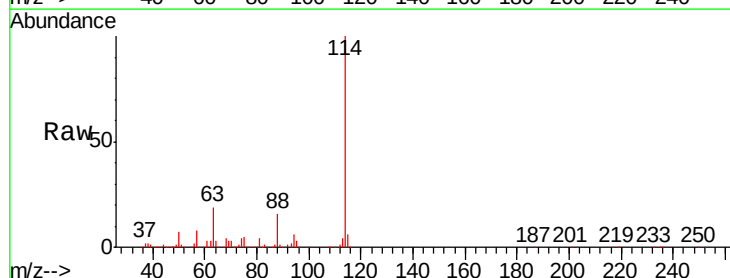


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 39.00 (38.70 to 39.70): VW

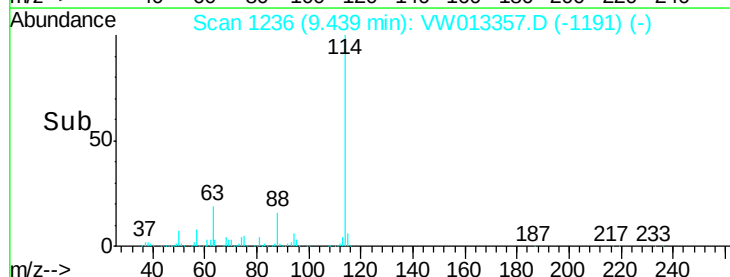
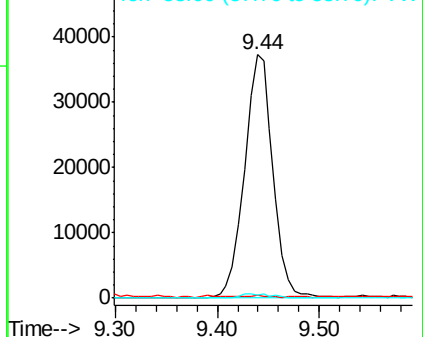


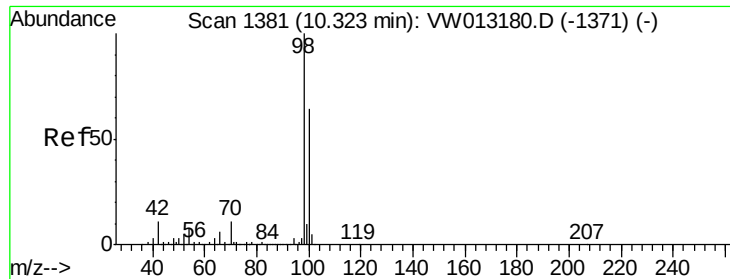
#49
1,4-Dioxane
Concen: 9218548.152 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. -0.02 min
Lab File: VW013357.D
Acq: 01 Oct 2019 03:23

Tgt Ion: 88 Resp: 72228
Ion Ratio Lower Upper
88 100
43 0.4 0.0 0.0#
58 2.0 65.4 98.0#



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





#50

Toluene-d8

Concen: 137260.881 ug/l

RT: 10.66 min Scan# 1437

Delta R.T. 0.34 min

Lab File: VW013357.D

Acq: 01 Oct 2019 03:23

Instrument :

MSVOA_W

ClientSampleId :

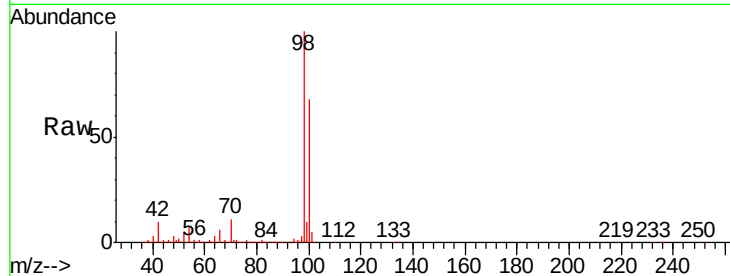
GP-4 (1-3)

Tgt Ion: 98 Resp: 514998

Ion Ratio Lower Upper

98 100

100 67.4 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

10.66

400000

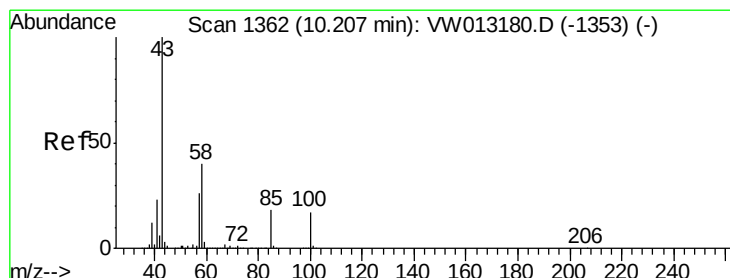
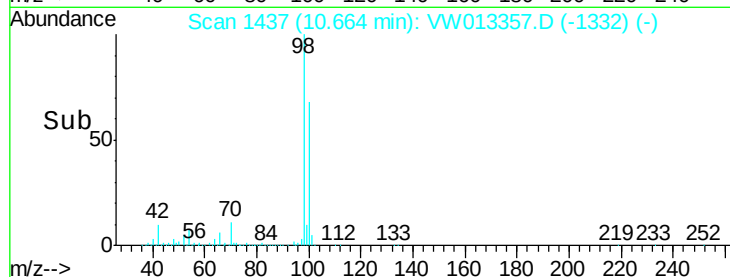
300000

200000

100000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 161.317 ug/l

RT: 10.04 min Scan# 1335

Delta R.T. -0.16 min

Lab File: VW013357.D

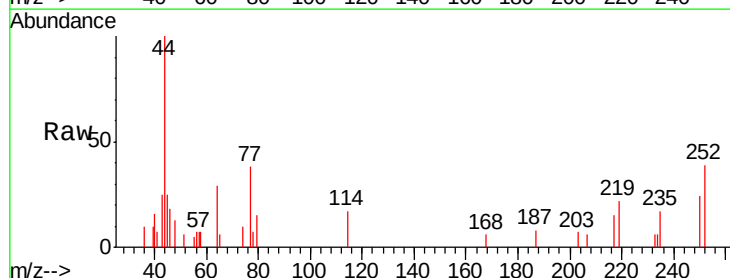
Acq: 01 Oct 2019 03:23

Tgt Ion: 43 Resp: 104

Ion Ratio Lower Upper

43 100

58 47.1 31.7 47.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

10.04

300

250

200

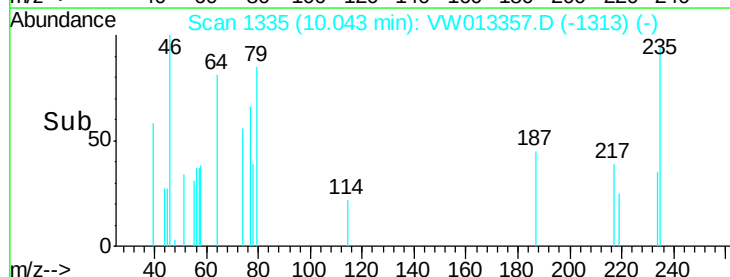
150

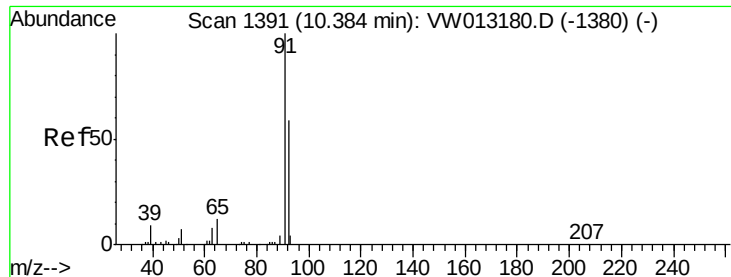
100

50

0

Time-->





#52

Toluene

Concen: 2607.116 ug/l

RT: 10.72 min Scan# 1446

Delta R.T. 0.34 min

Lab File: VW013357.D

Acq: 01 Oct 2019 03:23

Instrument :

MSVOA_W

ClientSampleId :

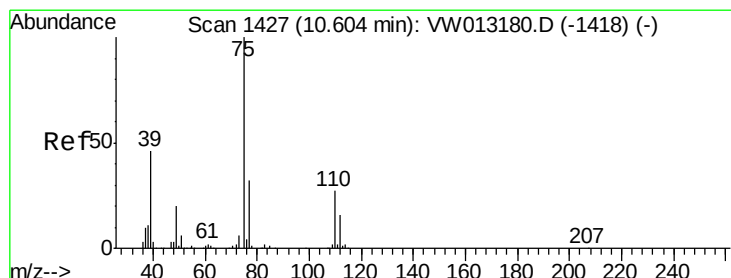
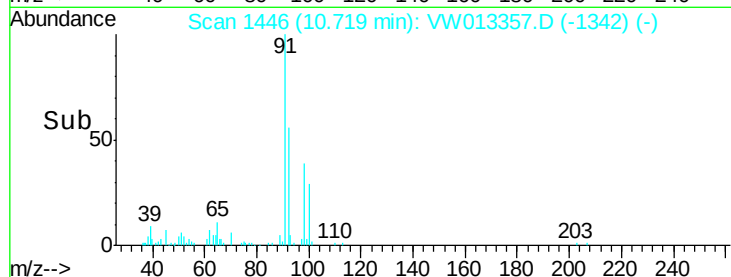
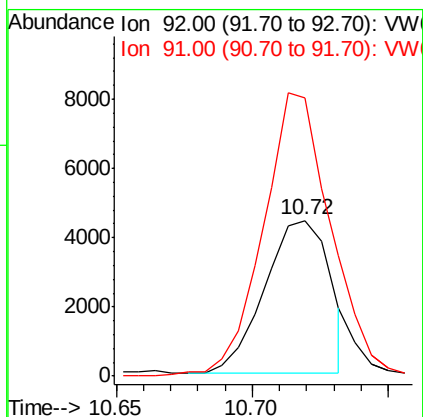
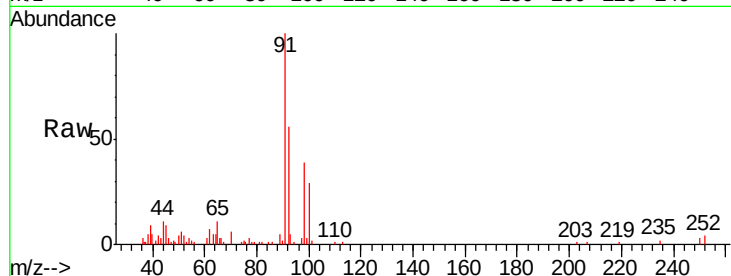
GP-4 (1-3)

Tgt Ion: 92 Resp: 7358

Ion Ratio Lower Upper

92 100

91 178.5 135.7 203.5



#53

t-1,3-Dichloropropene

Concen: 82.078 ug/l

RT: 10.68 min Scan# 1440

Delta R.T. 0.08 min

Lab File: VW013357.D

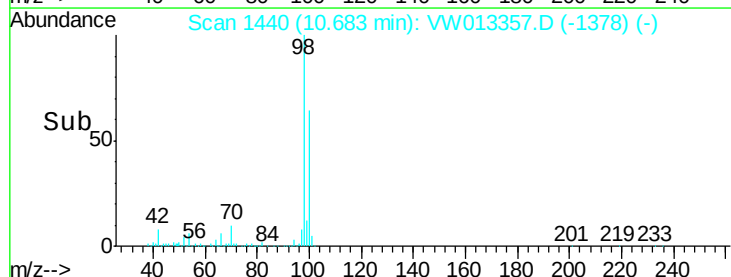
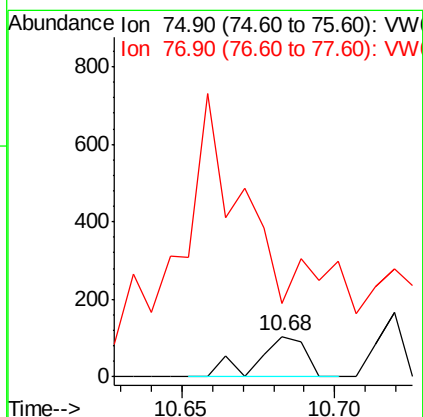
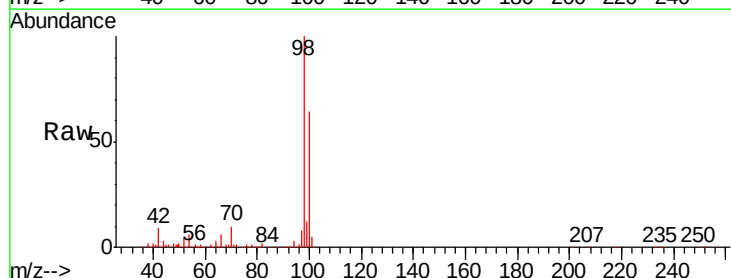
Acq: 01 Oct 2019 03:23

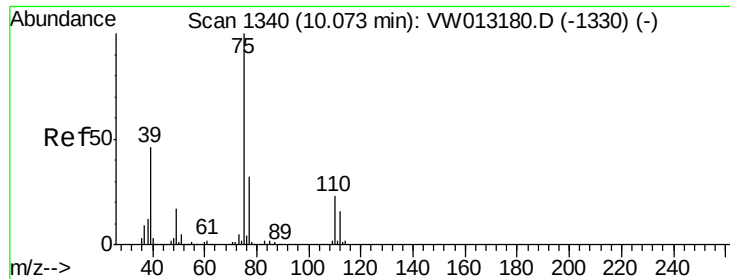
Tgt Ion: 75 Resp: 112

Ion Ratio Lower Upper

75 100

77 0.0 25.5 38.3#





#54

cis-1,3-Dichloropropene

Concen: 15.671 ug/l

RT: 10.14 min Scan# 1351

Delta R.T. 0.07 min

Lab File: VW013357.D

Acq: 01 Oct 2019 03:23

Instrument :

MSVOA_W

ClientSampleId :

GP-4 (1-3)

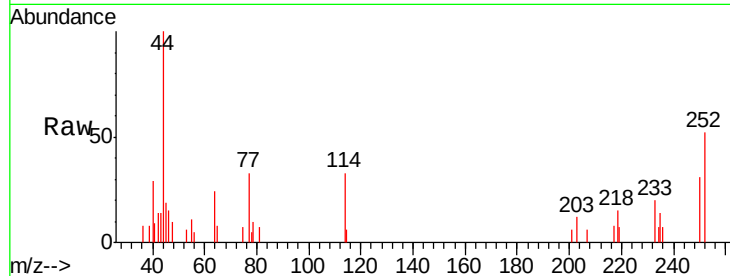
Tgt Ion: 75 Resp: 26

Ion Ratio Lower Upper

75 100

77 246.5 25.2 37.8#

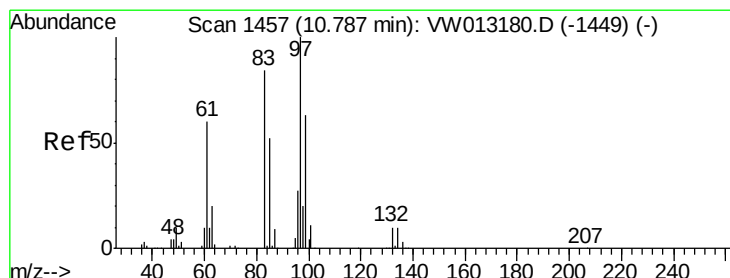
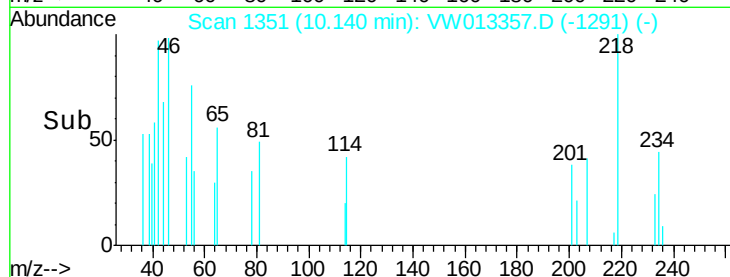
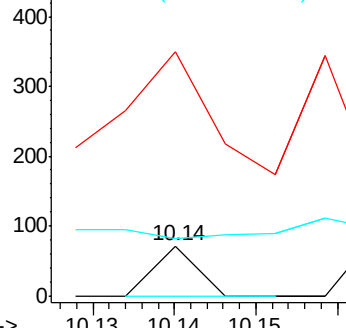
39 0.0 36.6 55.0#



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: 23960.041 ug/l

RT: 10.67 min Scan# 1438

Delta R.T. -0.12 min

Lab File: VW013357.D

Acq: 01 Oct 2019 03:23

Tgt Ion: 97 Resp: 18693

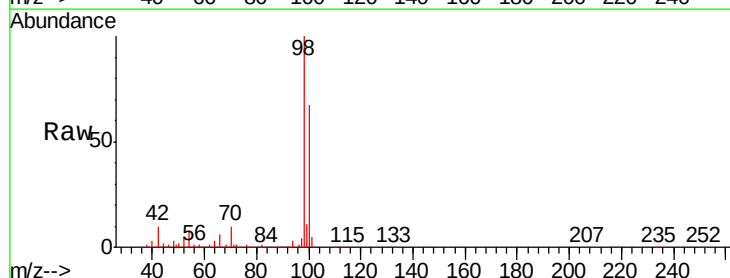
Ion Ratio Lower Upper

97 100

83 1.8 67.6 101.4#

85 0.7 41.9 62.9#

99 249.8 50.1 75.1#

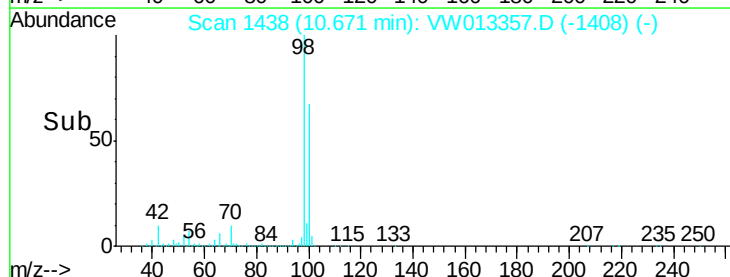
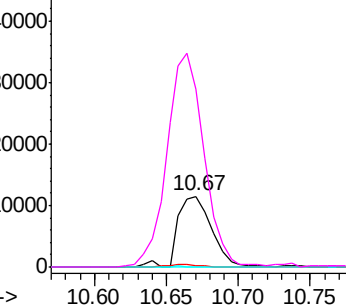


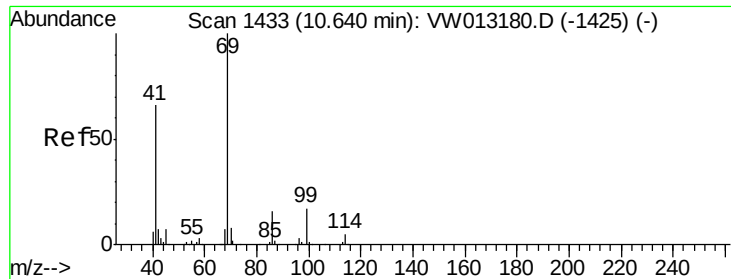
Abundance Ion 96.90 (96.60 to 97.60): VW

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

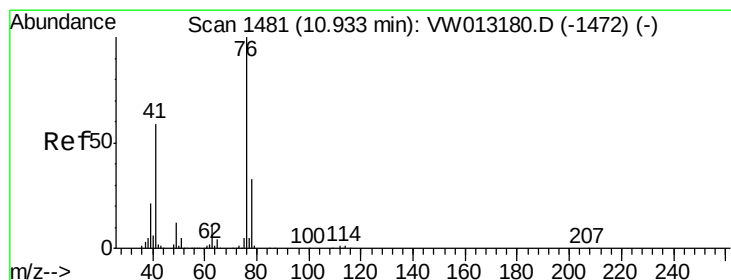
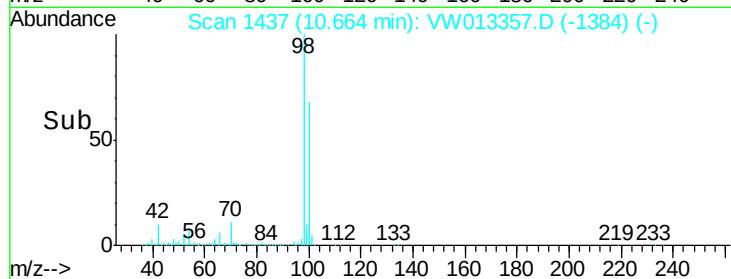
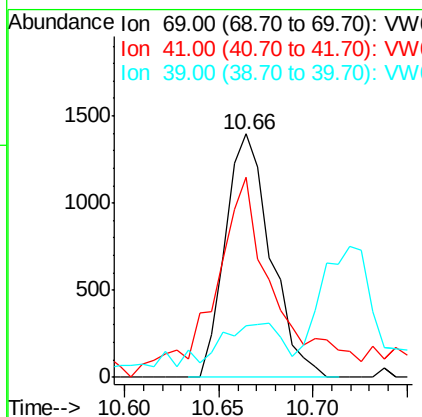
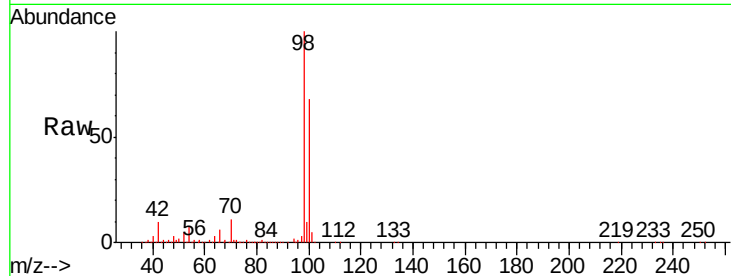




#56
 Ethyl methacrylate
 Concen: 2282.977 ug/l
 RT: 10.66 min Scan# 1437
 Delta R.T. 0.02 min
 Lab File: VW013357.D
 Acq: 01 Oct 2019 03:23

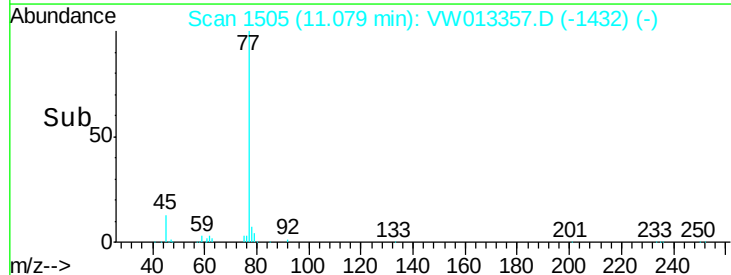
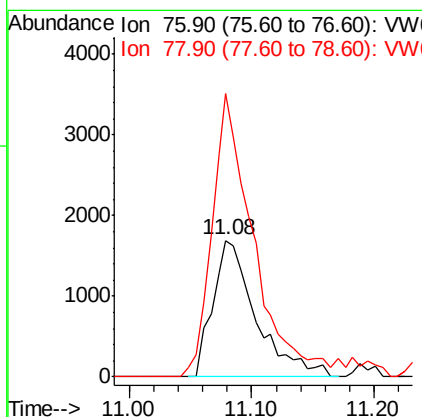
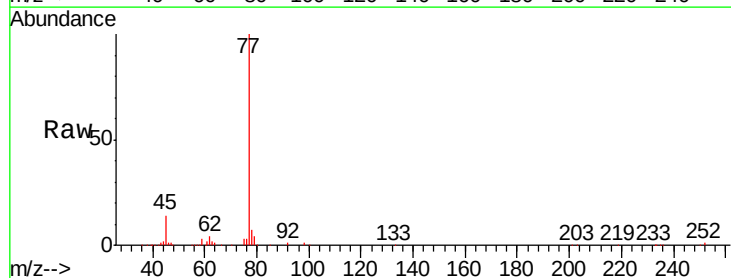
Instrument :
 MSVOA_W
 ClientSampled :
 GP-4 (1-3)

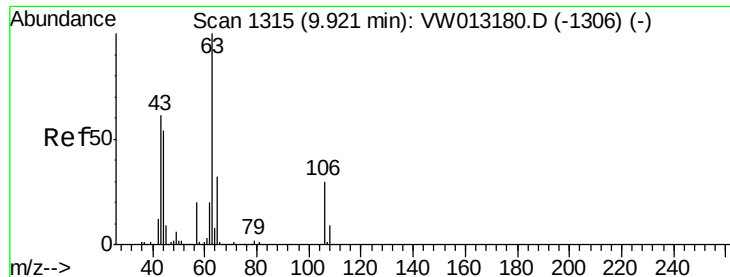
Tgt Ion: 69 Resp: 2331
 Ion Ratio Lower Upper
 69 100
 41 110.7 53.9 80.9#
 39 29.8 23.8 35.6



#57
 1,3-Dichloropropane
 Concen: 3048.984 ug/l
 RT: 11.08 min Scan# 1505
 Delta R.T. 0.15 min
 Lab File: VW013357.D
 Acq: 01 Oct 2019 03:23

Tgt Ion: 76 Resp: 4151
 Ion Ratio Lower Upper
 76 100
 78 197.8 25.5 38.3#





#58

2-Chloroethyl Vinyl ether

Concen: 52.890 ug/l

RT: 10.00 min Scan# 1328

Delta R.T. 0.08 min

Lab File: VW013357.D

Acq: 01 Oct 2019 03:23

Instrument :

MSVOA_W

ClientSampleId :

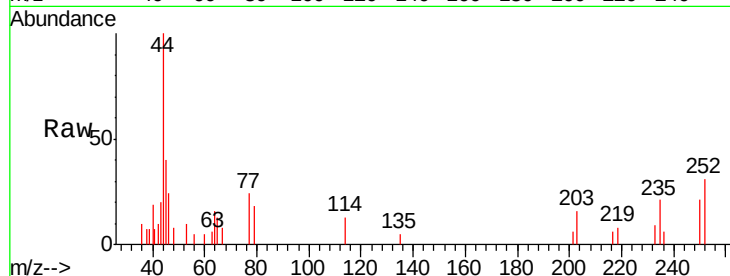
GP-4 (1-3)

Tgt Ion: 63 Resp: 25

Ion Ratio Lower Upper

63 100

106 0.0 23.4 35.0#



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 105.90 (105.60 to 106.60): VW

10.00

80

60

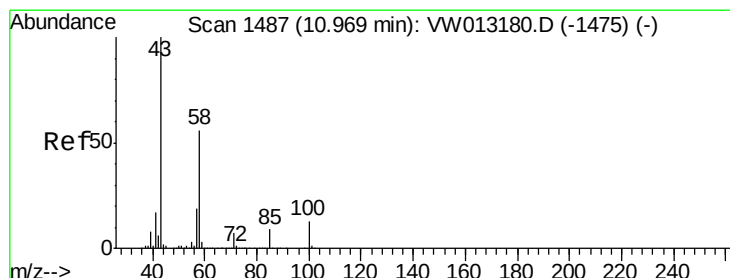
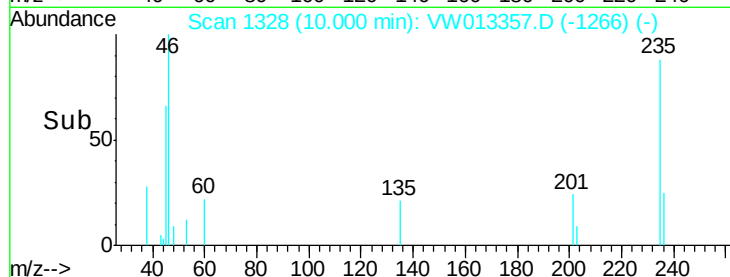
40

20

0

9.98 10.00 10.02

Time-->



#59

2-Hexanone

Concen: 3244.291 ug/l

RT: 11.09 min Scan# 1506

Delta R.T. 0.12 min

Lab File: VW013357.D

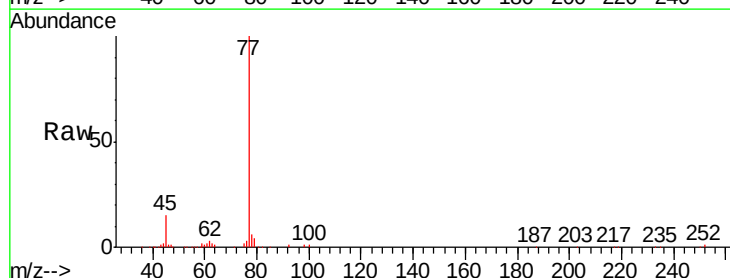
Acq: 01 Oct 2019 03:23

Tgt Ion: 43 Resp: 1439

Ion Ratio Lower Upper

43 100

58 47.3 28.1 84.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

11.09

500

400

300

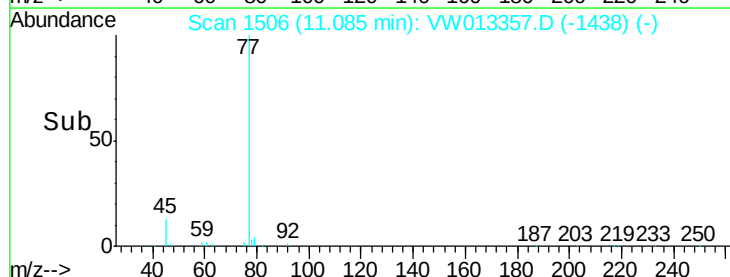
200

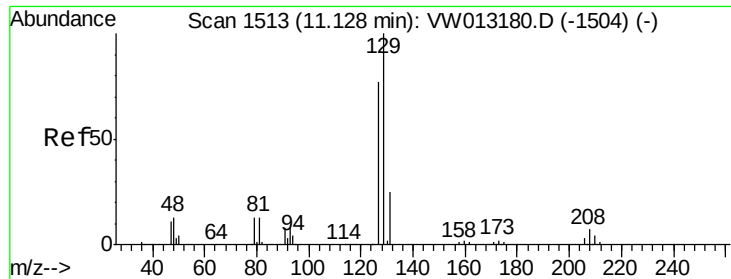
100

0

11.00 11.05 11.10

Time-->





#60

Dibromochloromethane

Concen: 240.440 ug/l

RT: 11.13 min Scan# 1514

Delta R.T. 0.01 min

Lab File: VW013357.D

Acq: 01 Oct 2019 03:23

Instrument :

MSVOA_W

ClientSampleId :

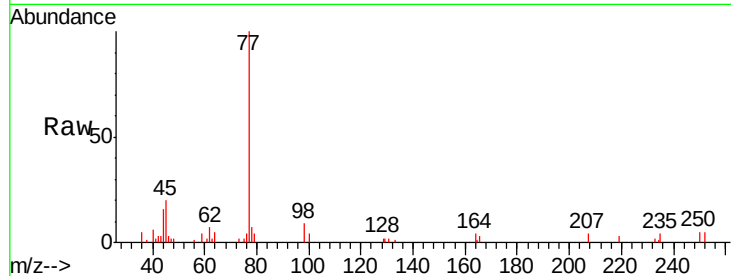
GP-4 (1-3)

Tgt Ion:129 Resp: 213

Ion Ratio Lower Upper

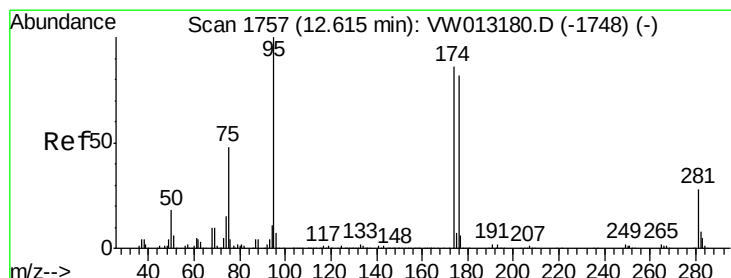
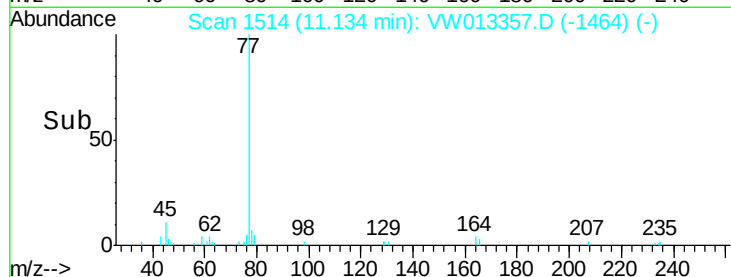
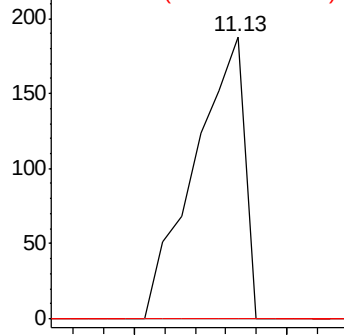
129 100

127 0.0 38.8 116.4#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: 110274.669 ug/l

RT: 12.71 min Scan# 1772

Delta R.T. 0.09 min

Lab File: VW013357.D

Acq: 01 Oct 2019 03:23

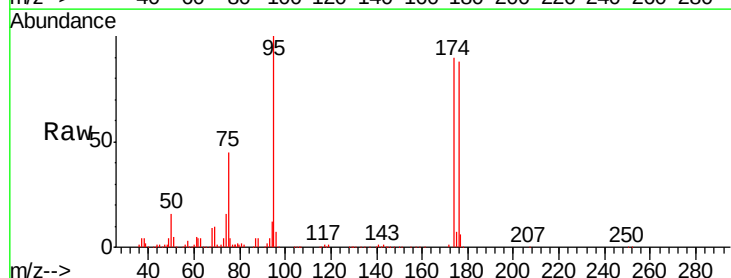
Tgt Ion: 95 Resp: 141332

Ion Ratio Lower Upper

95 100

174 92.6 0.0 178.4

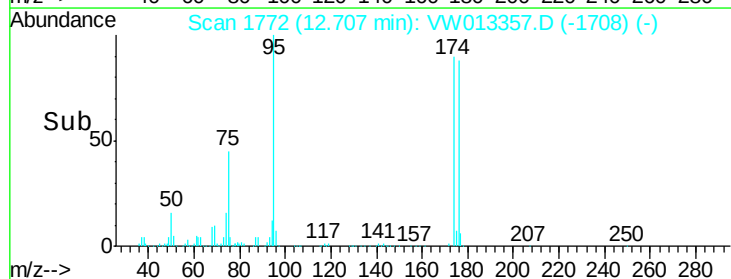
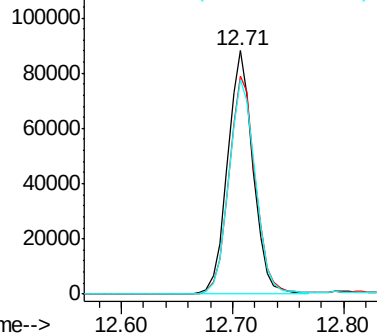
176 91.5 0.0 172.2

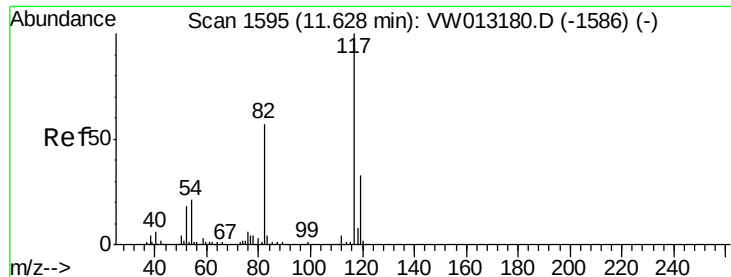


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

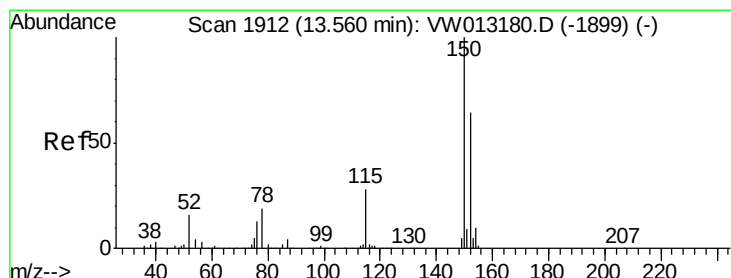
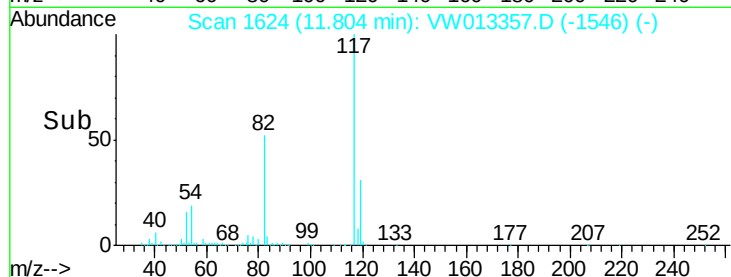
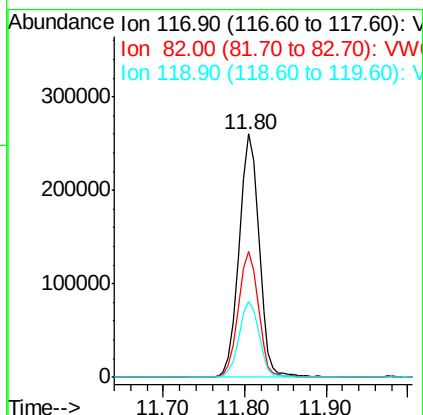
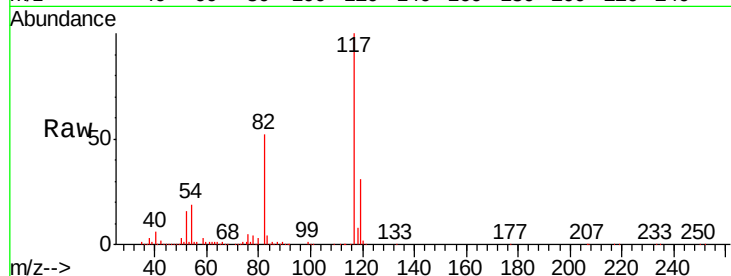




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.80 min Scan# 1624
Delta R.T. 0.18 min
Lab File: VW013357.D
Acq: 01 Oct 2019 03:23

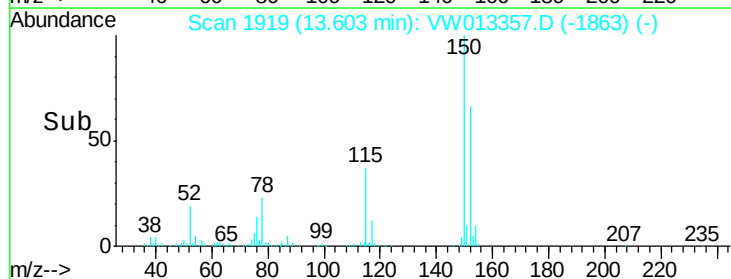
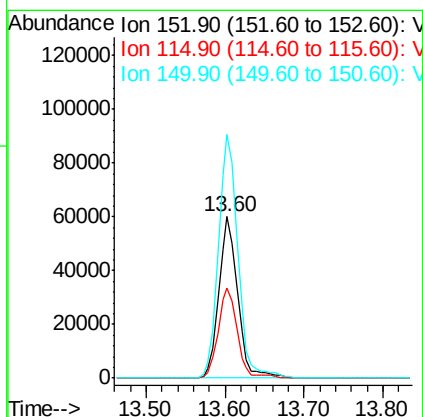
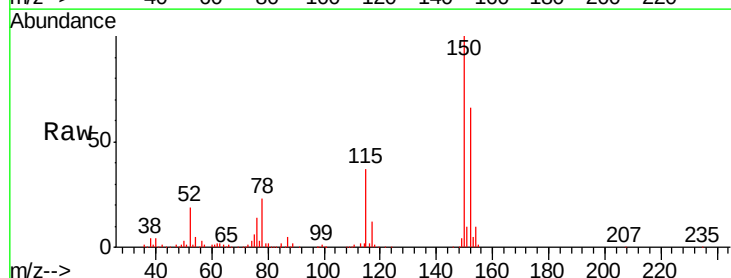
Instrument :
MSVOA_W
ClientSampleId :
GP-4 (1-3)

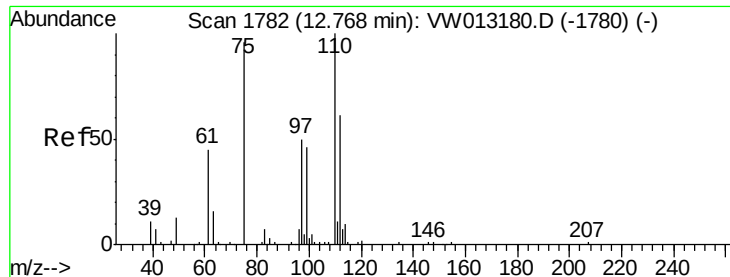
Tgt Ion:117 Resp: 440854
Ion Ratio Lower Upper
117 100
82 51.8 45.9 68.9
119 31.1 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.60 min Scan# 1919
Delta R.T. 0.04 min
Lab File: VW013357.D
Acq: 01 Oct 2019 03:23

Tgt Ion:152 Resp: 100804
Ion Ratio Lower Upper
152 100
115 56.0 27.3 81.9
150 155.0 0.0 349.0





#76

1,2,3-Trichloropropane

Concen: 75.847 ug/l

RT: 12.71 min Scan# 1772

Delta R.T. -0.06 min

Lab File: VW013357.D

Acq: 01 Oct 2019 03:23

Instrument :

MSVOA_W

ClientSampleId :

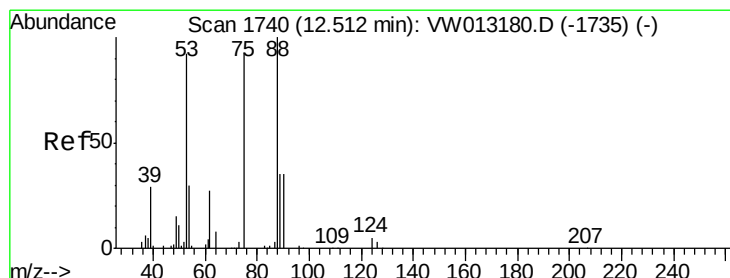
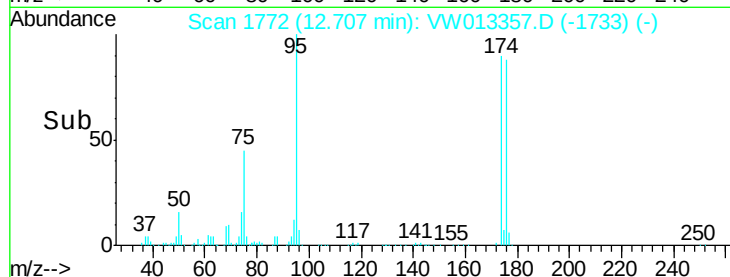
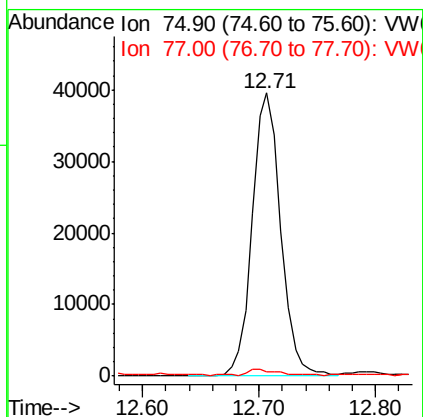
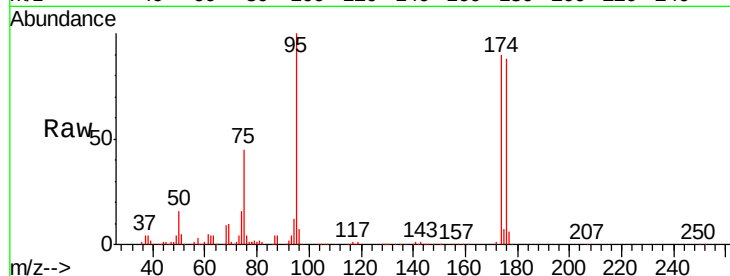
GP-4 (1-3)

Tgt Ion: 75 Resp: 67521

Ion Ratio Lower Upper

75 100

77 2.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 170.193 ug/l

RT: 12.71 min Scan# 1772

Delta R.T. 0.19 min

Lab File: VW013357.D

Acq: 01 Oct 2019 03:23

Tgt Ion: 75 Resp: 67521

Ion Ratio Lower Upper

75 100

53 0.1 76.6 114.8#

89 0.0 33.5 50.3#

