

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW031119\
 Data File : VW009110.D
 Acq On : 12 Mar 2019 03:31
 Operator : SY/VA
 Sample : K1847-04
 Misc : 6.06G/5ML/MSVOA W/SOIL
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SUP-7B-G-4-031119

Quant Time: Mar 12 08:18:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 05:22:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	1575	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	1926	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	996	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	0.00	152	0	0.00	ug/l	-13.56

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	814	51.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.74%	
35) Dibromofluoromethane	7.88	113	470	40.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.06%	
50) Toluene-d8	10.32	98	1075	22.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	45.14%	
62) 4-Bromofluorobenzene	12.62	95	382	20.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.06	85	25	1.575	ug/l #	42
3) Chloromethane	2.21	50	390	19.341	ug/l #	88
5) Bromomethane	2.77	94	76	4.400	ug/l #	3
6) Chloroethane	2.93	64	43	2.952	ug/l #	43
7) Trichlorofluoromethane	3.31	101	36	1.366	ug/l #	19
8) Diethyl Ether	3.70	74	52	6.455	ug/l	69
10) Methyl Iodide	4.36	142	41	5.344	ug/l #	13
11) Tert butyl alcohol	5.14	59	56	46.118	ug/l #	24
12) 1,1-Dichloroethene	4.07	96	26	1.837	ug/l #	1
13) Acrolein	3.92	56	153	114.503	ug/l #	74
14) Allyl chloride	4.68	41	119	4.766	ug/l #	19
15) Acrylonitrile	5.38	53	30	8.532	ug/l #	16
16) Acetone	4.14	43	67	18.737	ug/l #	47
18) Methyl Acetate	4.62	43	41	4.986	ug/l #	1
19) Methyl tert-butyl Ether	5.39	73	95	2.537	ug/l #	54
20) Methylene Chloride	4.93	84	42	Below Cal	#	1
21) trans-1,2-Dichloroethene	5.43	96	130	7.954	ug/l #	1
22) Diisopropyl ether	6.31	45	129	2.600	ug/l #	35
23) Vinyl Acetate	6.25	43	60	1.943	ug/l #	74
24) 1,1-Dichloroethane	6.22	63	45	1.564	ug/l #	83
25) 2-Butanone	7.18	43	105	21.247	ug/l #	50
26) 2,2-Dichloropropane	7.14	77	44	1.682	ug/l #	1
27) cis-1,2-Dichloroethene	7.16	96	30	1.709	ug/l #	1
28) Bromochloromethane	7.46	49	89	7.435	ug/l #	14
29) Tetrahydrofuran	7.74	42	140	44.955	ug/l	91
30) Chloroform	7.51	83	48	1.620	ug/l #	17
31) Cyclohexane	7.95	56	79	2.673	ug/l #	16
32) 1,1,1-Trichloroethane	7.91	97	28	1.024	ug/l #	1
36) 1,1-Dichloropropene	8.08	75	24	1.192	ug/l #	1
37) Ethyl Acetate	7.23	43	93	9.832	ug/l #	71
38) Carbon Tetrachloride	8.15	117	42	2.019	ug/l #	13
39) Methylcyclohexane	9.31	83	32	1.334	ug/l #	17
41) Methacrylonitrile	7.46	41	85	16.182	ug/l #	1
42) 1,2-Dichloroethane	8.44	62	93	5.359	ug/l #	76

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

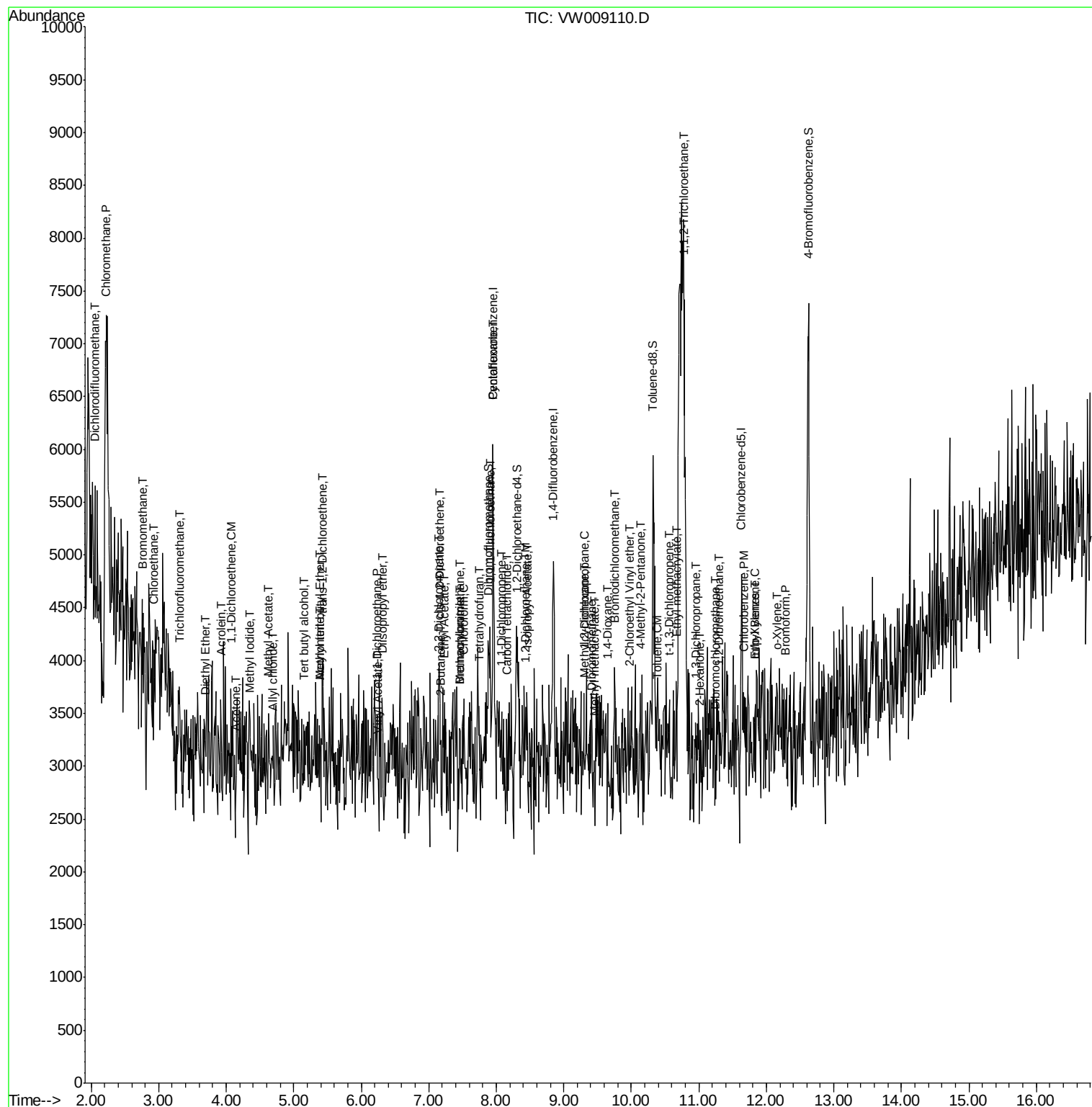
43) Isopropyl Acetate	8.46	43	203	11.522	ug/l #	67
45) 1,2-Dichloropropane	9.29	63	21	1.560	ug/l #	44
46) Dibromomethane	9.42	93	26	3.536	ug/l #	3
47) Bromodichloromethane	9.74	83	46	2.471	ug/l #	26
48) Methyl methacrylate	9.45	41	95	11.581	ug/l #	1
49) 1,4-Dioxane	9.66	88	19	180.439	ug/l #	1
51) 4-Methyl-2-Pentanone	10.13	43	148	16.547	ug/l	99
52) Toluene	10.38	92	80	2.194	ug/l #	1
53) t-1,3-Dichloropropene	10.56	75	22	1.195	ug/l #	45
55) 1,1,2-Trichloroethane	10.79	97	22	2.207	ug/l #	16
56) Ethyl methacrylate	10.66	69	42	3.395	ug/l #	1
57) 1,3-Dichloropropane	10.96	76	71	4.021	ug/l #	39
58) 2-Chloroethyl Vinyl ether	9.97	63	46	7.174	ug/l #	46
59) 2-Hexanone	11.01	43	90	14.312	ug/l	98
60) Dibromochloromethane	11.25	129	20	1.622	ug/l #	11
61) 1,2-Dibromoethane	11.29	107	48	4.913	ug/l #	3
65) Chlorobenzene	11.67	112	32	1.476	ug/l #	41
67) Ethyl Benzene	11.83	91	53	1.353	ug/l #	43
68) m/p-Xylenes	11.83	106	20	1.294	ug/l #	60
69) o-Xylene	12.17	106	42	2.920	ug/l	96
71) Bromoform	12.29	173	30	7.719	ug/l #	28

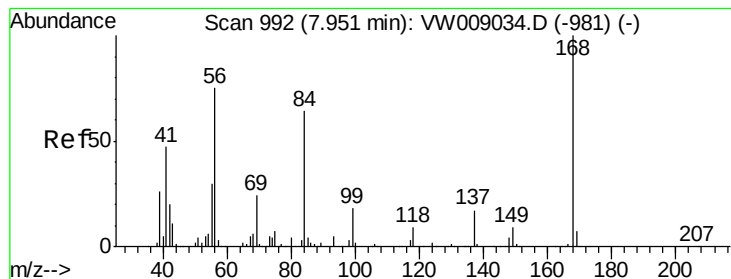
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW009110.D

Acq: 12 Mar 2019 03:31

Instrument :

MSVOA_W

ClientSampleId :

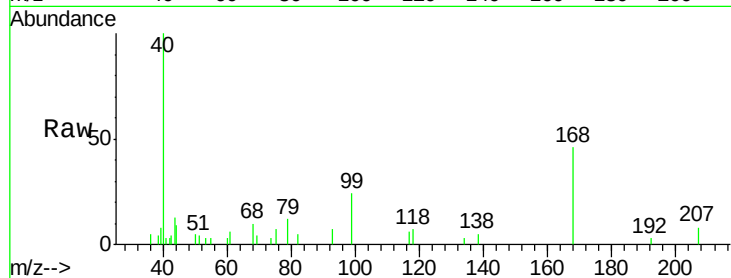
SUP-7B-G-4-031119

Tot Ion:168 Resp: 1575

Ion Ratio Lower Upper

168 100

99 51.2 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

800

600

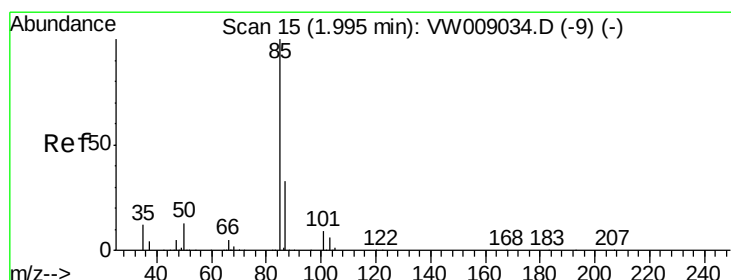
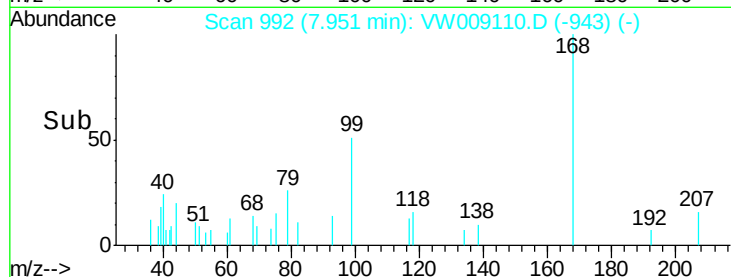
400

200

0

7.90 7.95 8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 1.575 ug/l

RT: 2.06 min Scan# 26

Delta R.T. 0.07 min

Lab File: VW009110.D

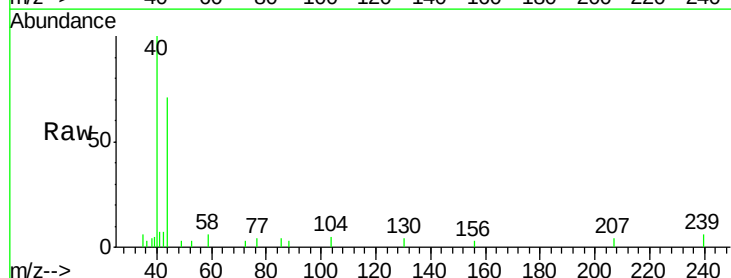
Acq: 12 Mar 2019 03:31

Tgt Ion: 85 Resp: 25

Ion Ratio Lower Upper

85 100

87 0.0 16.3 48.9#



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.06

80

60

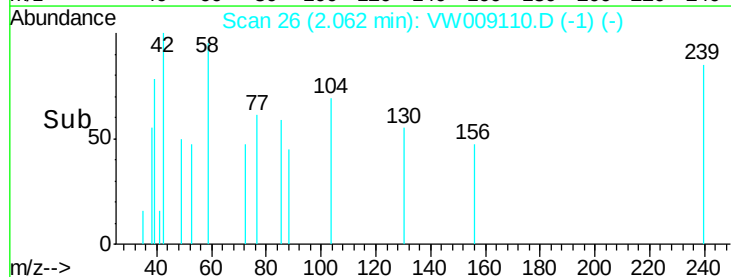
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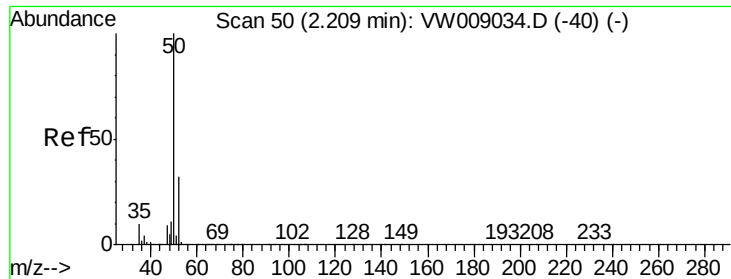
20

0

2.04 2.05 2.06 2.07 2.08

Time-->





#3

Chloromethane

Concen: 19.341 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW009110.D

Acq: 12 Mar 2019 03:31

Instrument :

MSVOA_W

ClientSampleId :

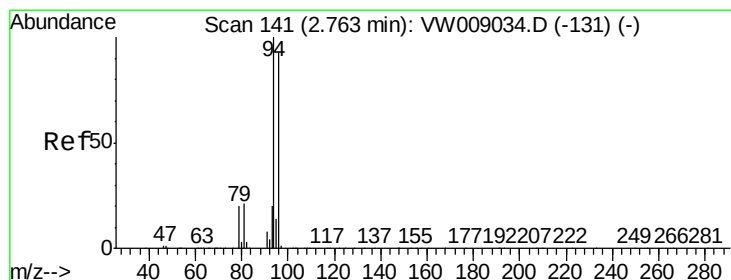
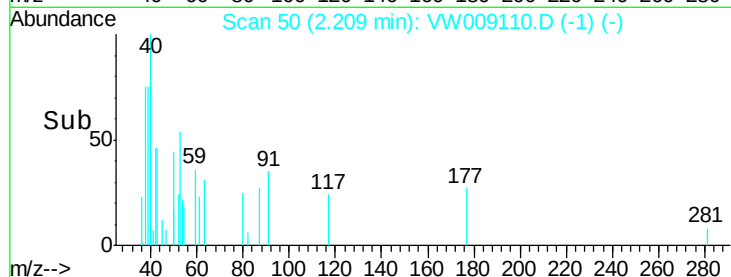
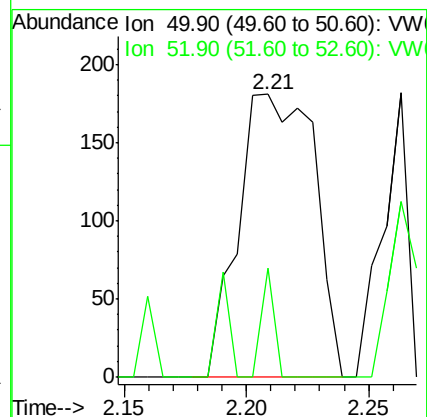
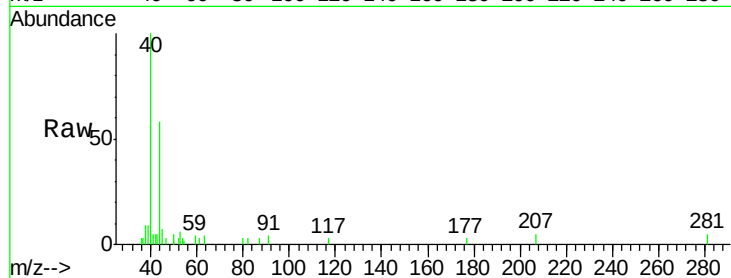
SUP-7B-G-4-031119

Tot Ion: 50 Resp: 390

Ion Ratio Lower Upper

50 100

52 38.7 25.4 38.2#



#5

Bromomethane

Concen: 4.400 ug/l

RT: 2.77 min Scan# 142

Delta R.T. 0.01 min

Lab File: VW009110.D

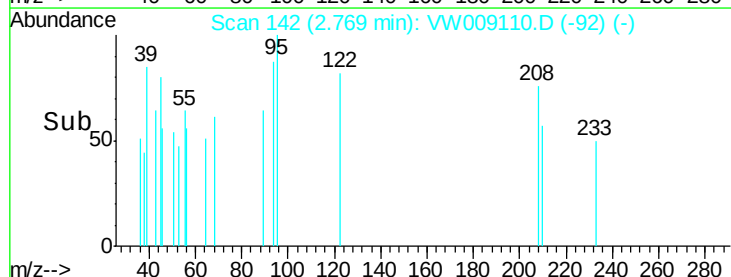
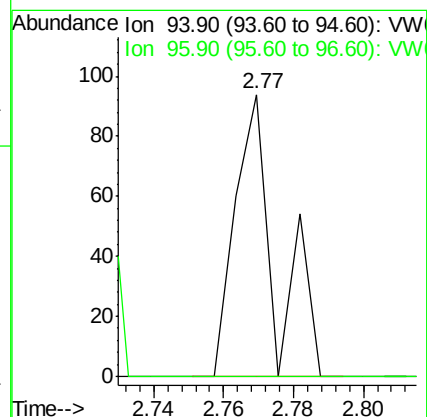
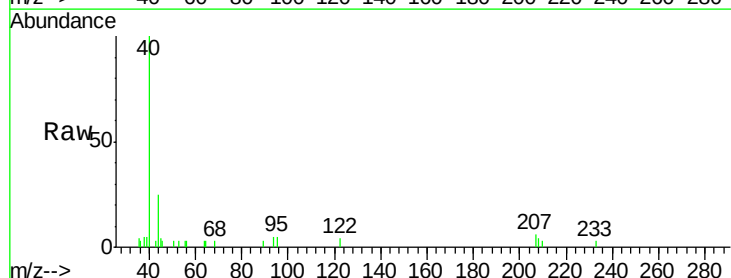
Acq: 12 Mar 2019 03:31

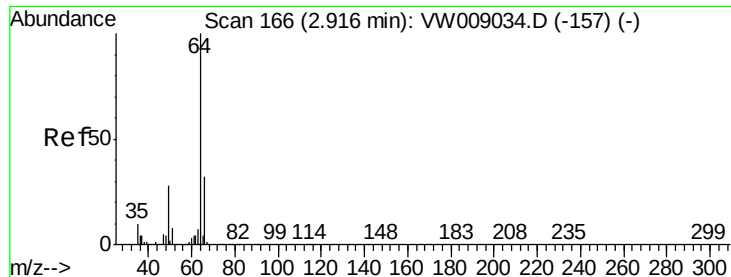
Tgt Ion: 94 Resp: 76

Ion Ratio Lower Upper

94 100

96 0.0 74.4 111.6#





#6

Chloroethane

Concen: 2.952 ug/l

RT: 2.93 min Scan# 168

Delta R.T. 0.01 min

Lab File: VW009110.D

Acq: 12 Mar 2019 03:31

Instrument :

MSVOA_W

ClientSampleId :

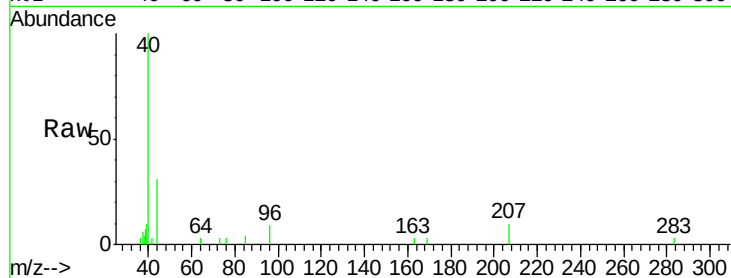
SUP-7B-G-4-031119

Tot Ion: 64 Resp: 43

Ion Ratio Lower Upper

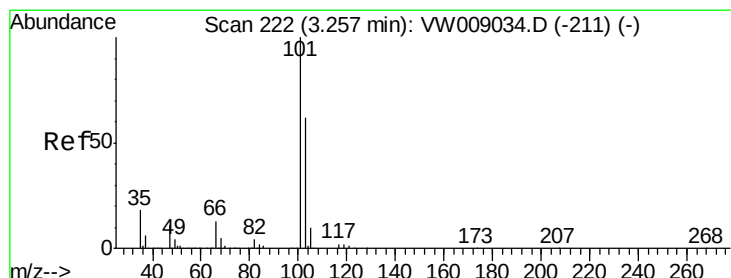
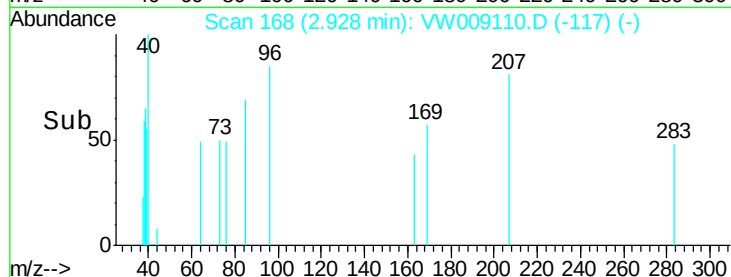
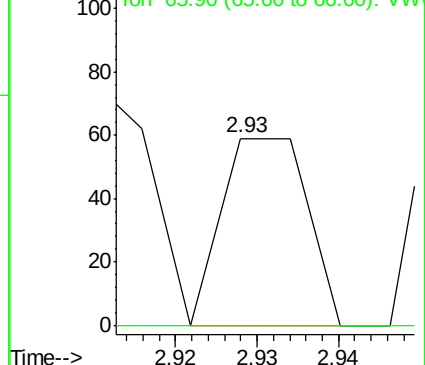
64 100

66 0.0 25.5 38.3#



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW



#7

Trichlorofluoromethane

Concen: 1.366 ug/l

RT: 3.31 min Scan# 231

Delta R.T. 0.05 min

Lab File: VW009110.D

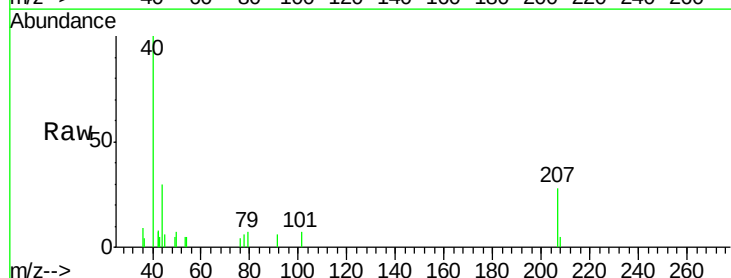
Acq: 12 Mar 2019 03:31

Tgt Ion: 101 Resp: 36

Ion Ratio Lower Upper

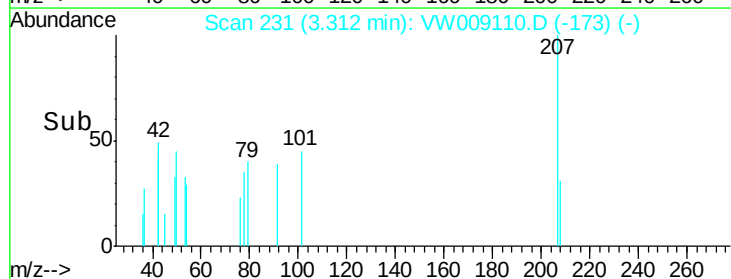
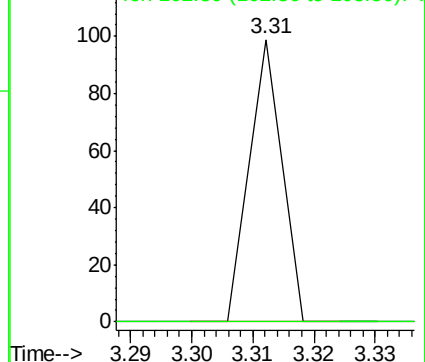
101 100

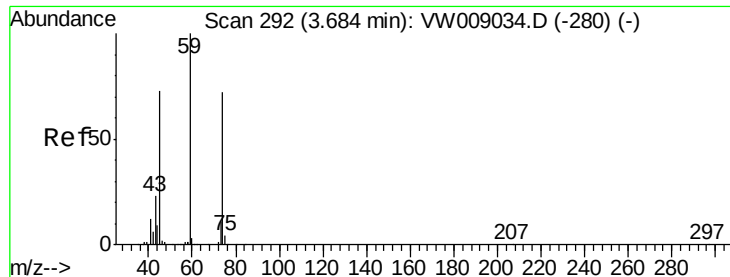
103 0.0 49.9 74.9#



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V





#8

Diethyl Ether

Concen: 6.455 ug/l

RT: 3.70 min Scan# 294

Delta R.T. 0.01 min

Lab File: VW009110.D

Acq: 12 Mar 2019 03:31

Instrument :

MSVOA_W

ClientSampleId :

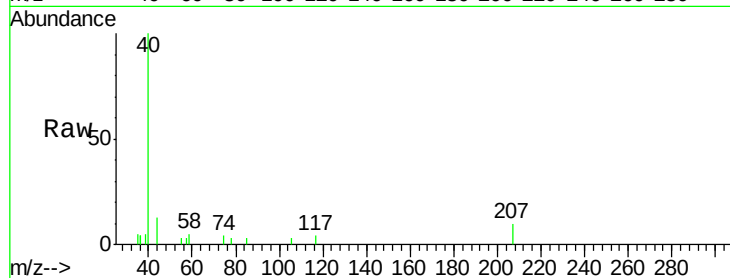
SUP-7B-G-4-031119

Tot Ion: 74 Resp: 52

Ion Ratio Lower Upper

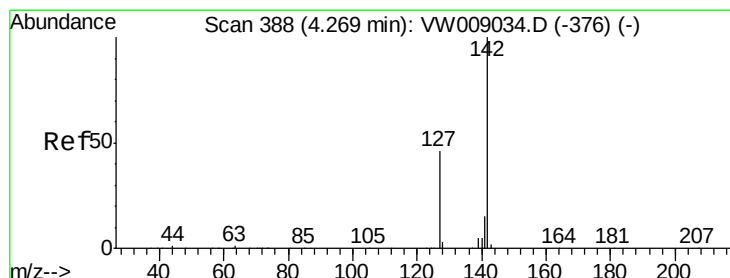
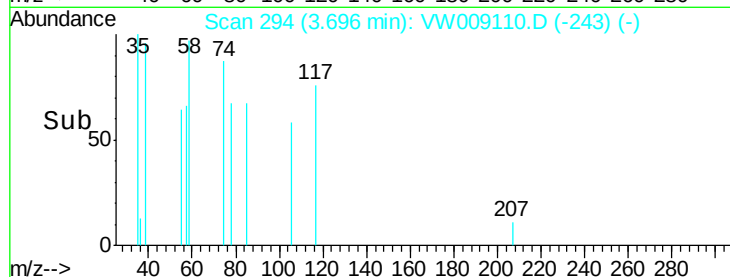
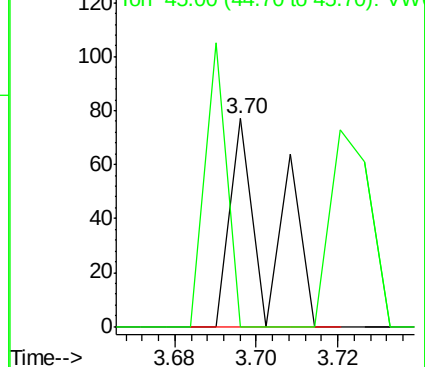
74 100

45 73.1 52.3 157.1



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW



#10

Methyl Iodide

Concen: 5.344 ug/l

RT: 4.36 min Scan# 403

Delta R.T. 0.09 min

Lab File: VW009110.D

Acq: 12 Mar 2019 03:31

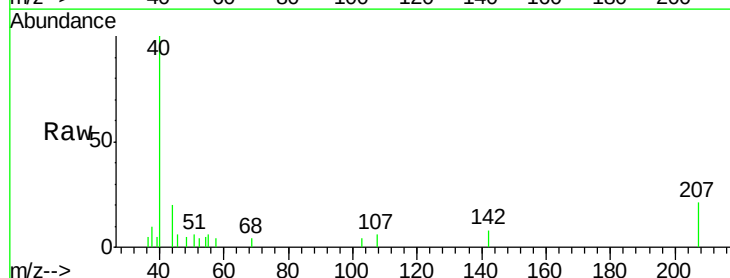
Tgt Ion: 142 Resp: 41

Ion Ratio Lower Upper

142 100

127 0.0 35.8 53.6#

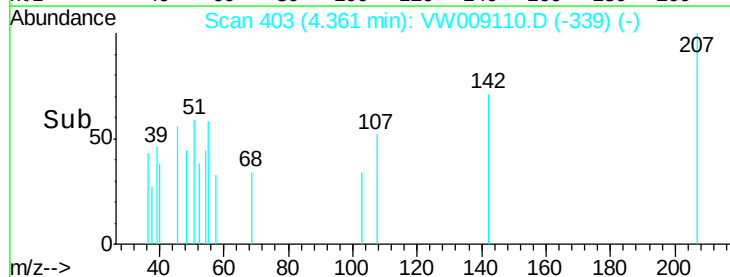
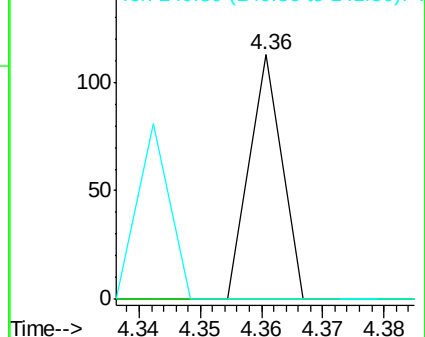
141 73.2 11.8 17.8#

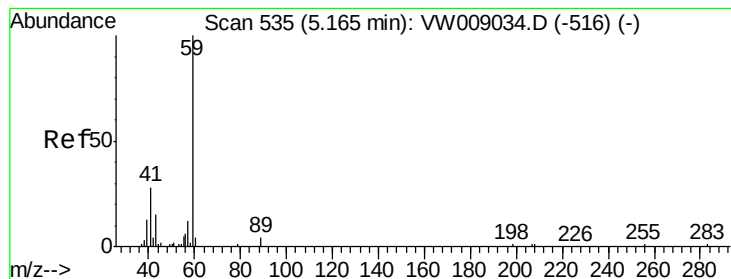


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



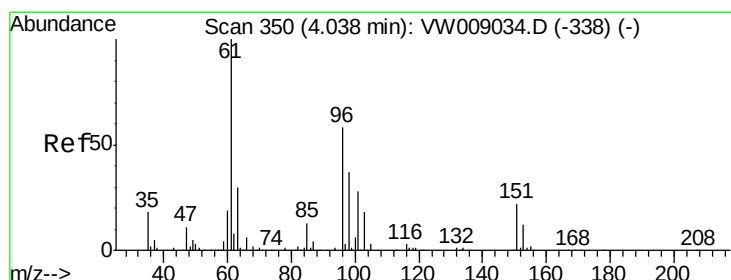
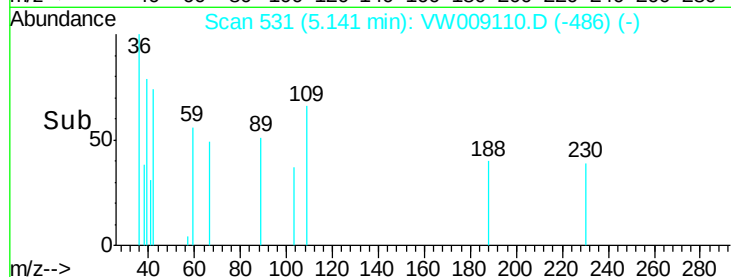
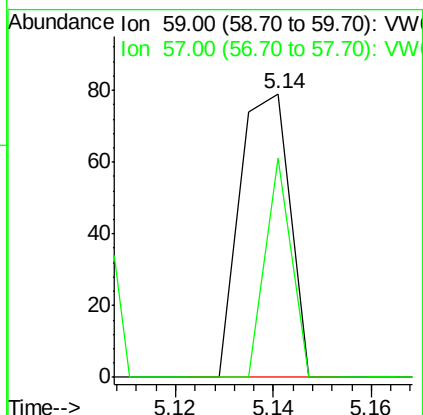
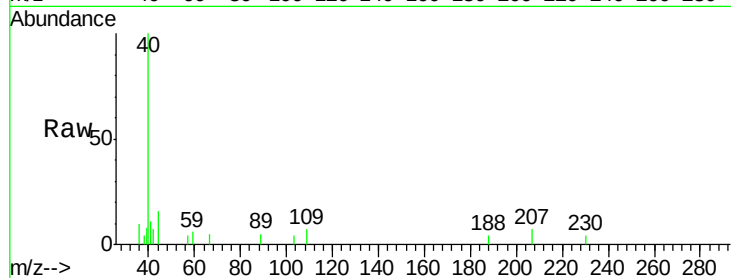


#11

Tert butyl alcohol
 Concen: 46.118 ug/l
 RT: 5.14 min Scan# 531
 Delta R.T. -0.02 min
 Lab File: VW009110.D
 Acq: 12 Mar 2019 03:31

Instrument :
 MSVOA_W
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 SUP-7B-G-4-031119

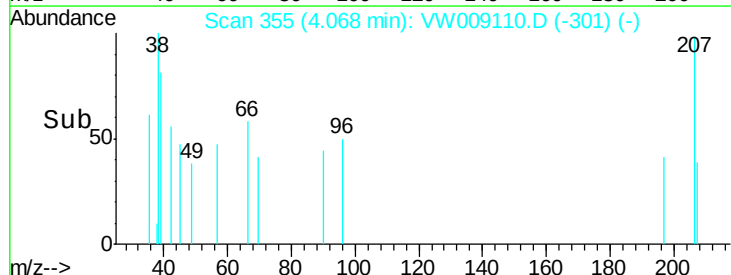
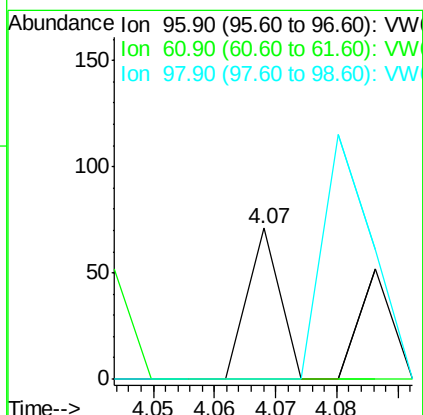
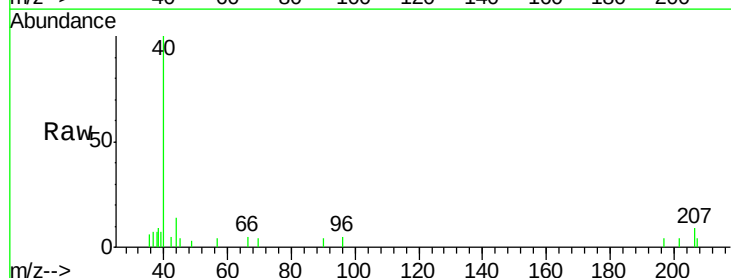
Tot Ion: 59 Resp: 56
 Ion Ratio Lower Upper
 59 100
 57 39.3 8.6 12.8#

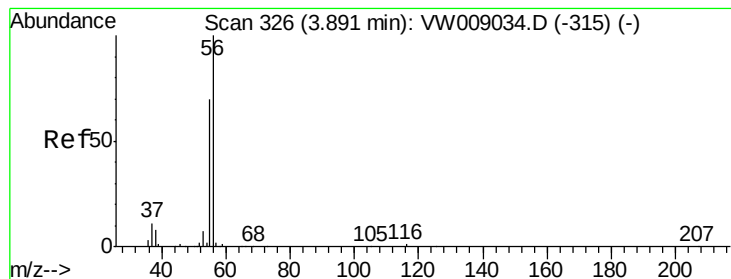


#12

1,1-Dichloroethene
 Concen: 1.837 ug/l
 RT: 4.07 min Scan# 355
 Delta R.T. 0.03 min
 Lab File: VW009110.D
 Acq: 12 Mar 2019 03:31

Tgt Ion: 96 Resp: 26
 Ion Ratio Lower Upper
 96 100
 61 0.0 138.2 207.2#
 98 0.0 51.3 76.9#





#13

Acrolein

Concen: 114.503 ug/l

RT: 3.92 min Scan# 330

Delta R.T. 0.02 min

Lab File: VW009110.D

Acq: 12 Mar 2019 03:31

Instrument :

MSVOA_W

ClientSampleId :

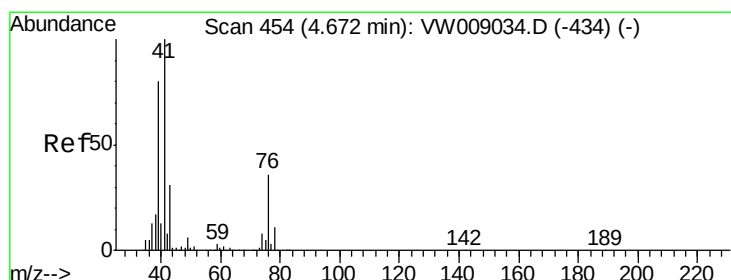
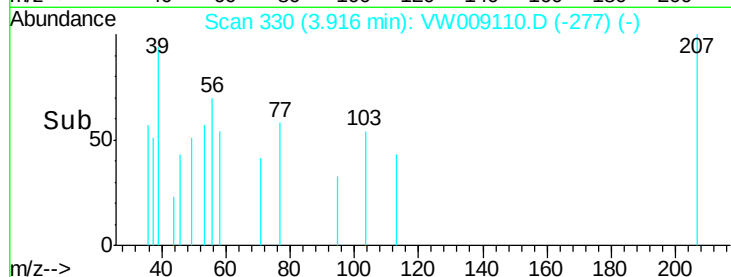
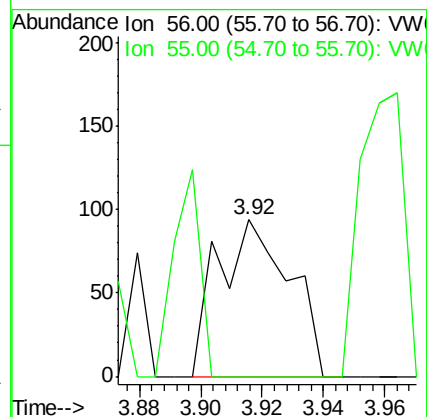
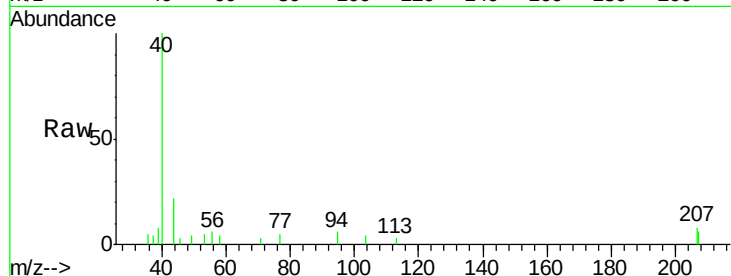
SUP-7B-G-4-031119

Tot Ion: 56 Resp: 153

Ion Ratio Lower Upper

56 100

55 49.0 56.6 84.8#



#14

Allyl chloride

Concen: 4.766 ug/l

RT: 4.68 min Scan# 455

Delta R.T. 0.01 min

Lab File: VW009110.D

Acq: 12 Mar 2019 03:31

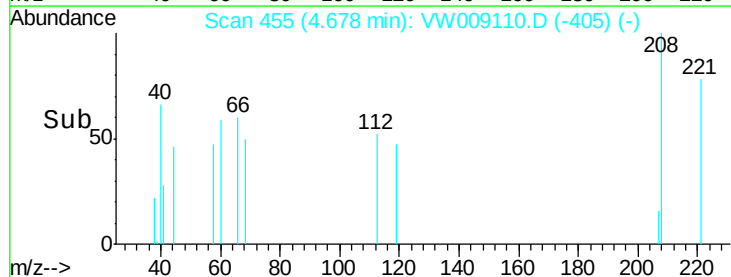
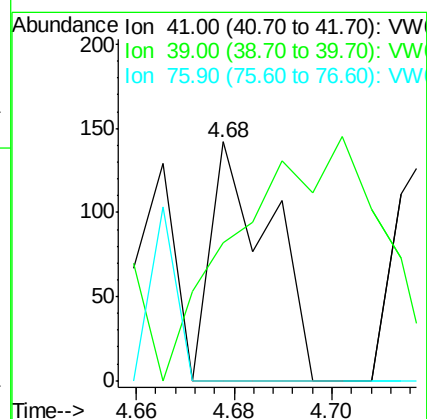
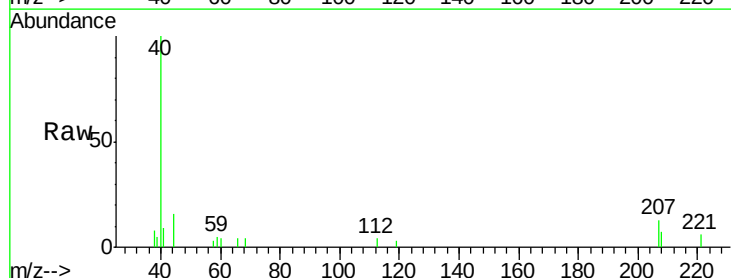
Tgt Ion: 41 Resp: 119

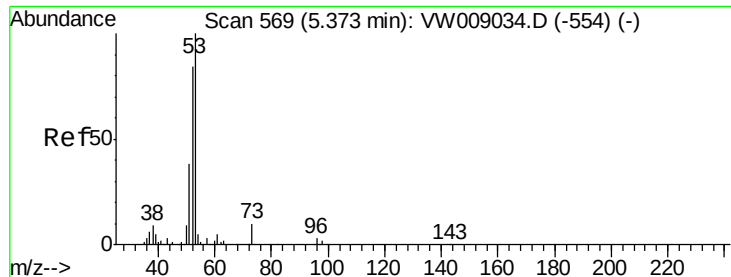
Ion Ratio Lower Upper

41 100

39 0.0 63.0 94.4#

76 0.0 28.2 42.2#





#15

Acrylonitrile

Concen: 8.532 ug/l

RT: 5.38 min Scan# 571

Delta R.T. 0.01 min

Lab File: VW009110.D

Acq: 12 Mar 2019 03:31

Instrument :

MSVOA_W

ClientSampleId :

SUP-7B-G-4-031119

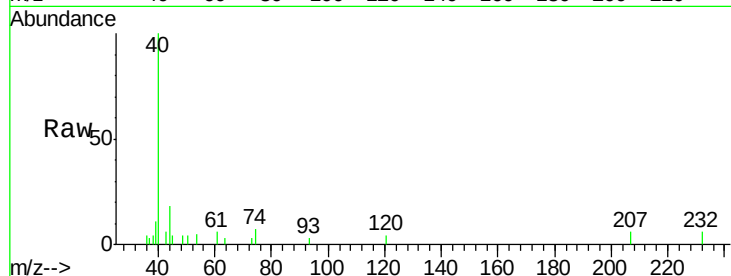
Tot Ion: 53 Resp: 30

Ion Ratio Lower Upper

53 100

52 0.0 67.2 100.8#

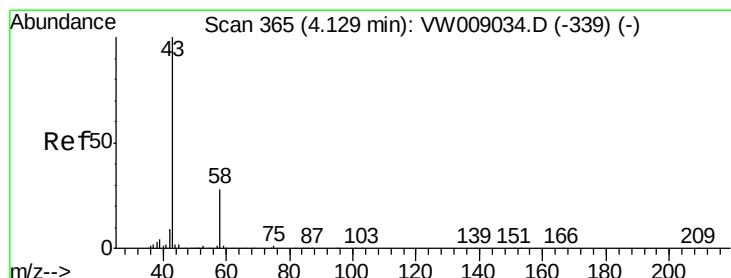
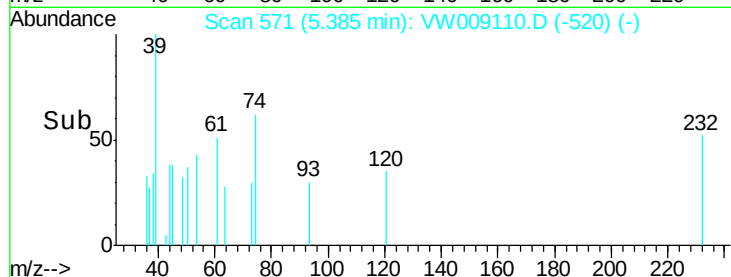
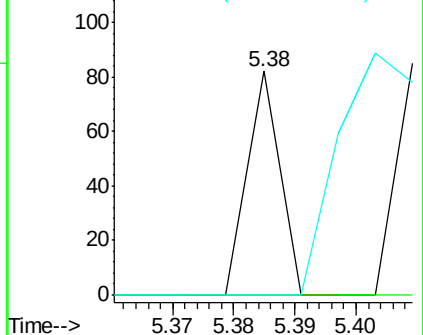
51 0.0 31.8 47.6#



Abundance Ion 53.00 (52.70 to 53.70): VW

Ion 52.00 (51.70 to 52.70): VW

Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 18.737 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.01 min

Lab File: VW009110.D

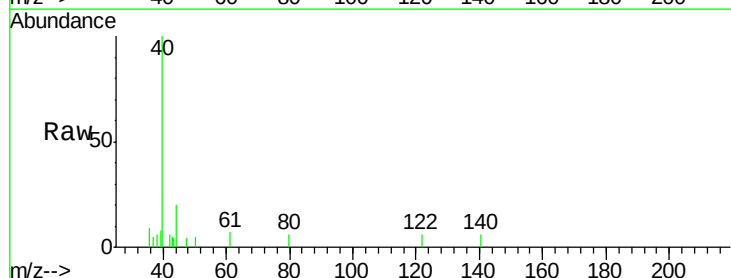
Acq: 12 Mar 2019 03:31

Tgt Ion: 43 Resp: 67

Ion Ratio Lower Upper

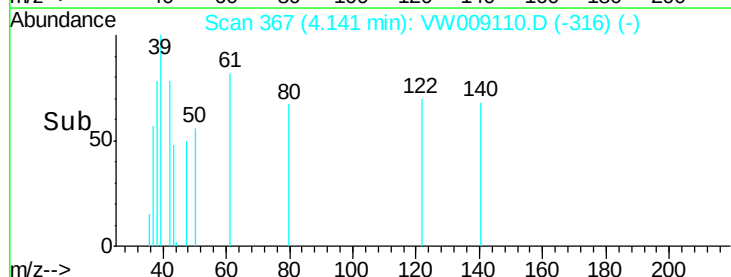
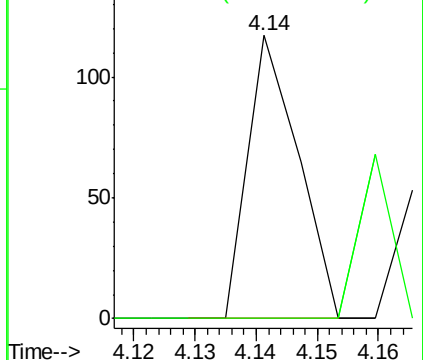
43 100

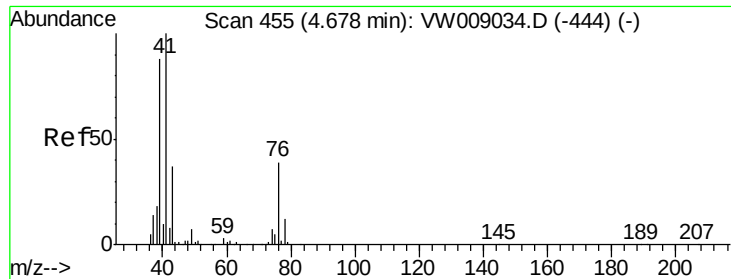
58 0.0 22.5 33.7#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

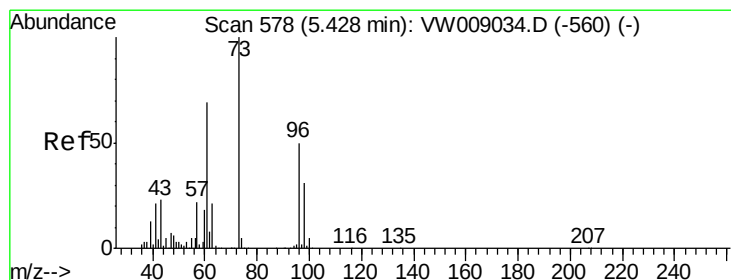
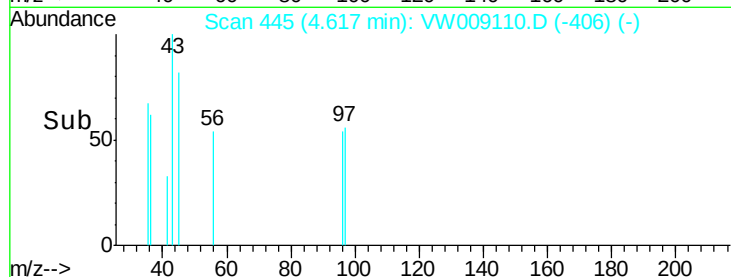
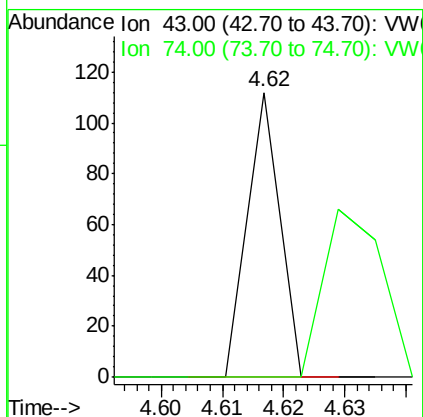
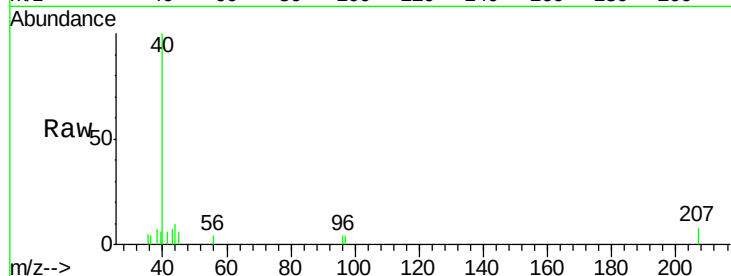




#18
Methyl Acetate
Concen: 4.986 ug/l
RT: 4.62 min Scan# 445
Delta R.T. -0.06 min
Lab File: VW009110.D
Acq: 12 Mar 2019 03:31

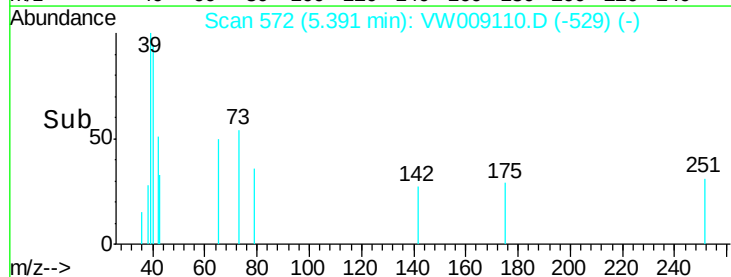
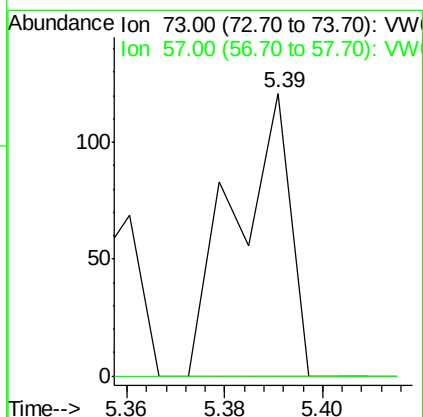
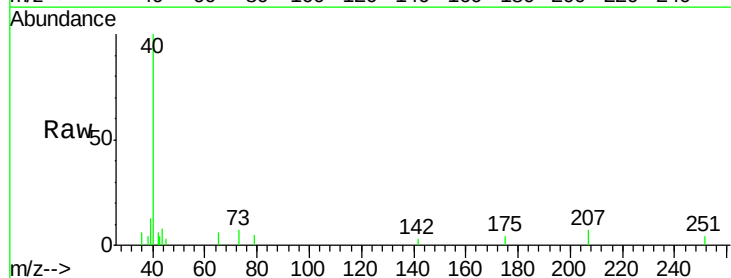
Instrument :
MSVOA_W
ClientSampleId :
SUP-7B-G-4-031119

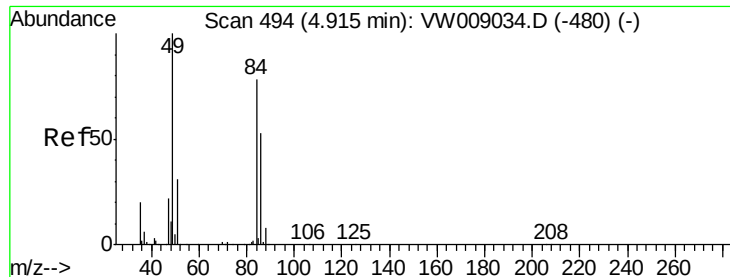
Tot Ion: 43 Resp: 41
Ion Ratio Lower Upper
43 100
74 107.3 17.6 26.4#



#19
Methyl tert-butyl Ether
Concen: 2.537 ug/l
RT: 5.39 min Scan# 572
Delta R.T. -0.04 min
Lab File: VW009110.D
Acq: 12 Mar 2019 03:31

Tgt Ion: 73 Resp: 95
Ion Ratio Lower Upper
73 100
57 0.0 17.3 25.9#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.93 min Scan# 496

Delta R.T. 0.01 min

Lab File: VW009110.D

Acq: 12 Mar 2019 03:31

Instrument :

MSVOA_W

ClientSampleId :

SUP-7B-G-4-031119

Tot Ion: 84 Resp: 42

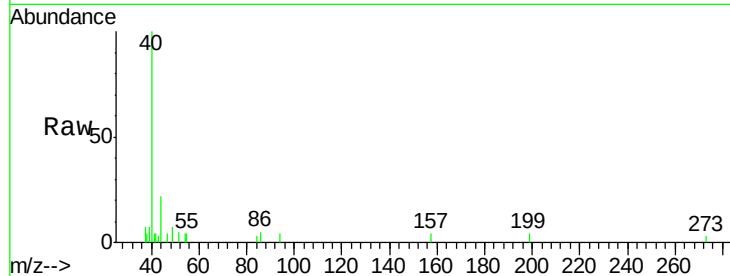
Ion Ratio Lower Upper

84 100

49 0.0 102.4 153.6#

51 163.8 31.6 47.4#

86 162.1 54.5 81.7#

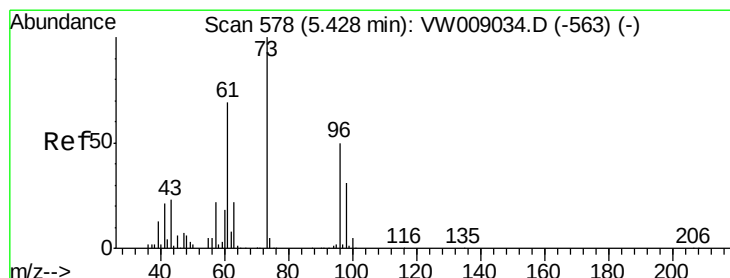
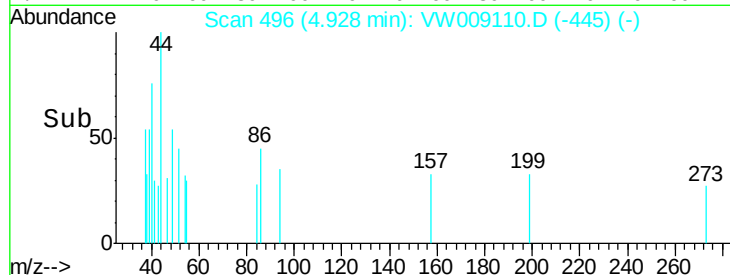
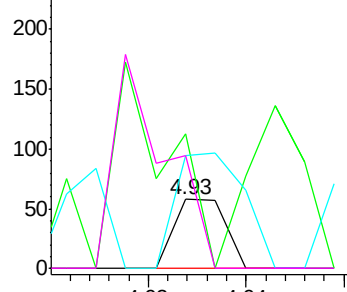


Abundance Ion 83.90 (83.60 to 84.60): VW

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



#21

trans-1,2-Dichloroethene

Concen: 7.954 ug/l

RT: 5.43 min Scan# 579

Delta R.T. 0.01 min

Lab File: VW009110.D

Acq: 12 Mar 2019 03:31

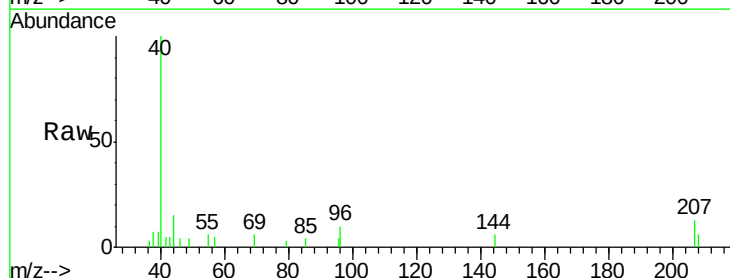
Tgt Ion: 96 Resp: 130

Ion Ratio Lower Upper

96 100

61 0.0 111.0 166.6#

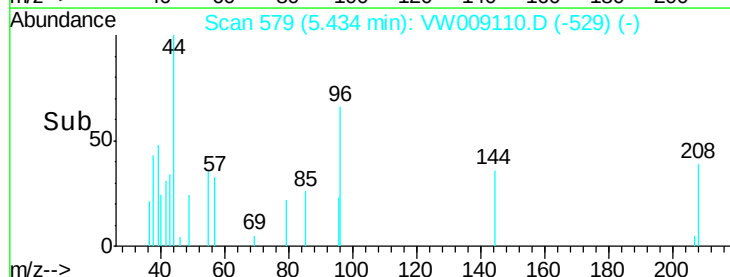
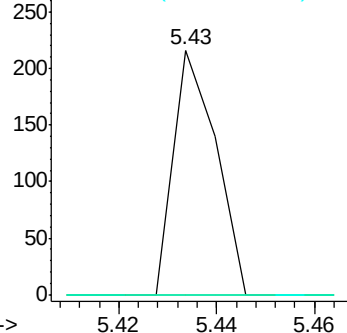
98 0.0 49.4 74.0#

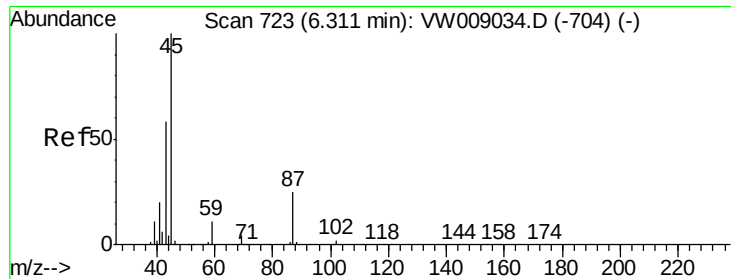


Abundance Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW





#22

Diisopropyl ether

Concen: 2.600 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.00 min

Lab File: VW009110.D

Acq: 12 Mar 2019 03:31

Instrument :

MSVOA_W

ClientSampleId :

SUP-7B-G-4-031119

Tot Ion: 45 Resp: 129

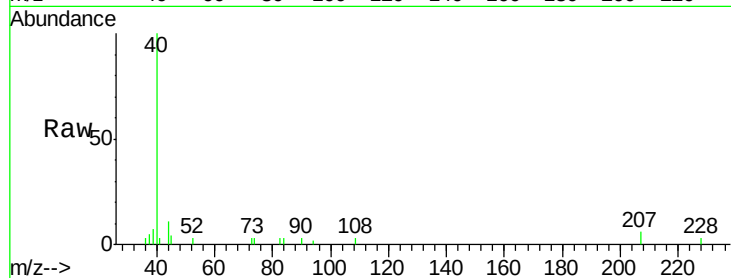
Ion Ratio Lower Upper

45 100

43 0.0 46.2 69.4#

87 0.0 20.1 30.1#

59 0.0 8.4 12.6#

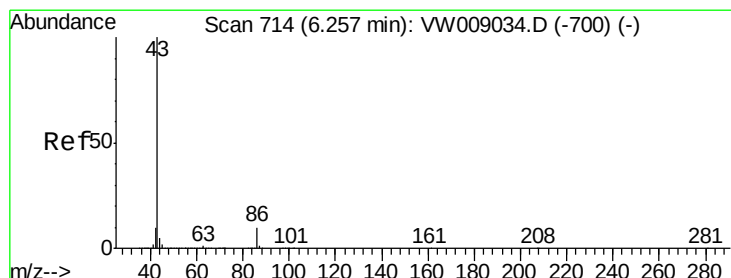
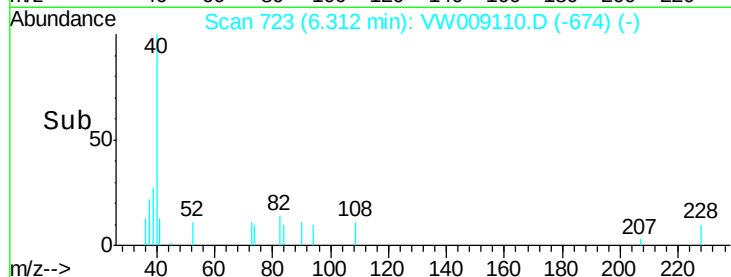
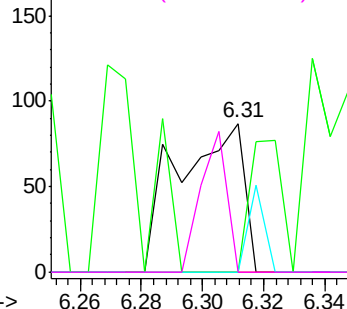


Abundance Ion 45.00 (44.70 to 45.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 87.00 (86.70 to 87.70): VW

Ion 59.00 (58.70 to 59.70): VW



#23

Vinyl Acetate

Concen: 1.943 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.01 min

Lab File: VW009110.D

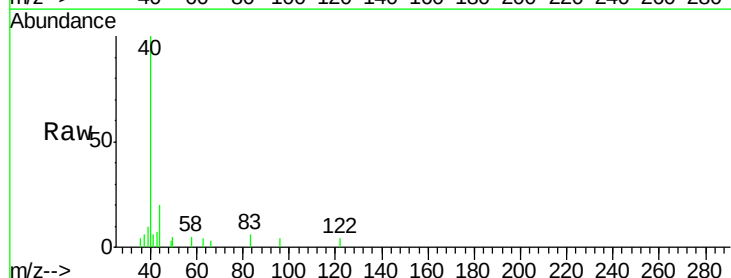
Acq: 12 Mar 2019 03:31

Tgt Ion: 43 Resp: 60

Ion Ratio Lower Upper

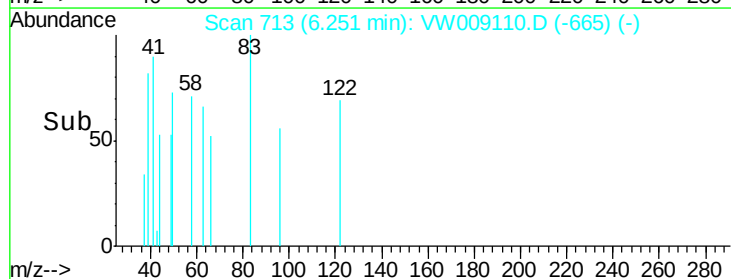
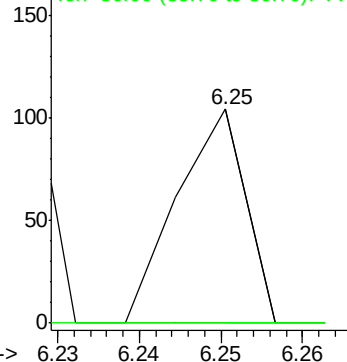
43 100

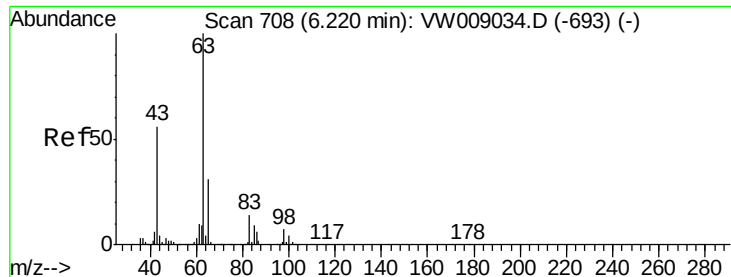
86 0.0 7.6 11.4#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW





#24

1,1-Dichloroethane

Concen: 1.564 ug/l

RT: 6.22 min Scan# 708

Delta R.T. 0.00 min

Lab File: VW009110.D

Acq: 12 Mar 2019 03:31

Instrument :

MSVOA_W

ClientSampleId :

SUP-7B-G-4-031119

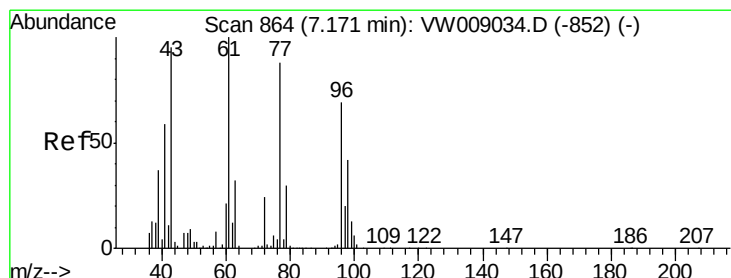
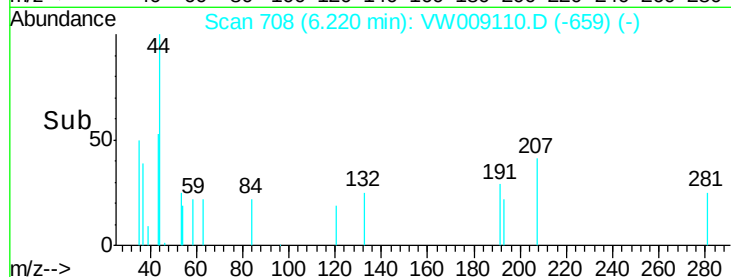
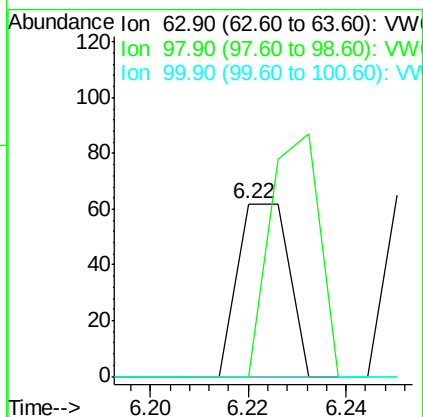
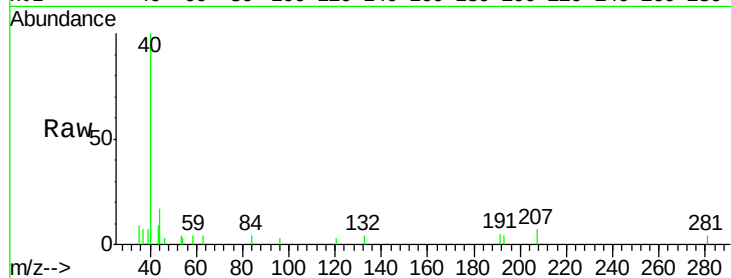
Tot Ion: 63 Resp: 45

Ion Ratio Lower Upper

63 100

98 0.0 3.4 10.2#

100 0.0 2.1 6.2#



#25

2-Butanone

Concen: 21.247 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW009110.D

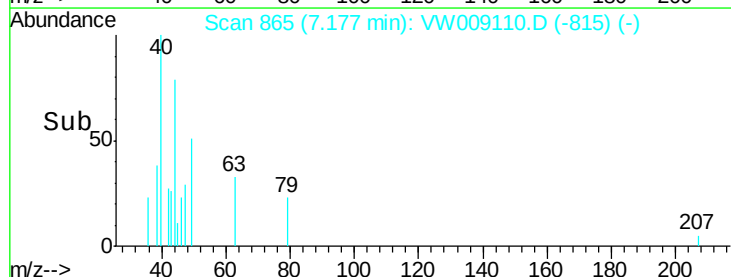
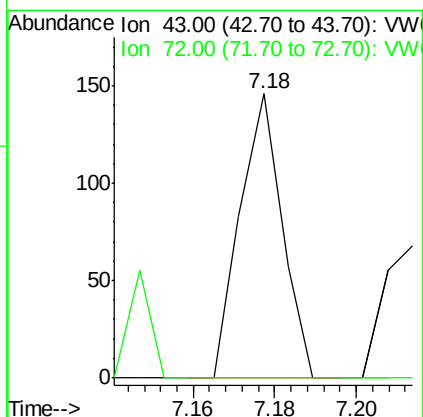
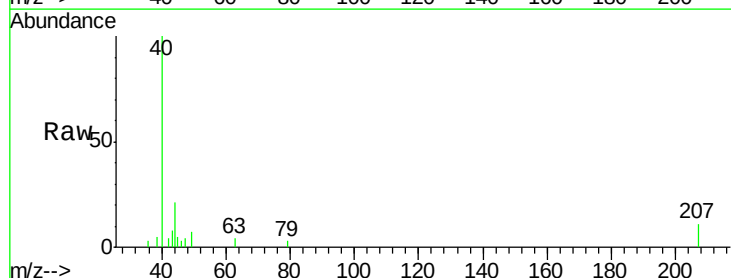
Acq: 12 Mar 2019 03:31

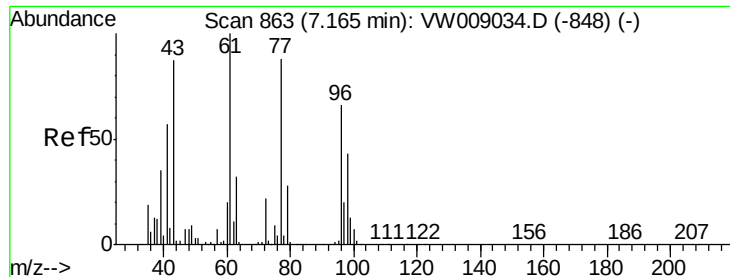
Tgt Ion: 43 Resp: 105

Ion Ratio Lower Upper

43 100

72 0.0 20.0 30.0#

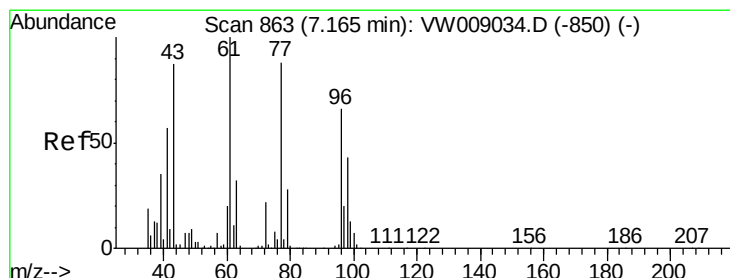
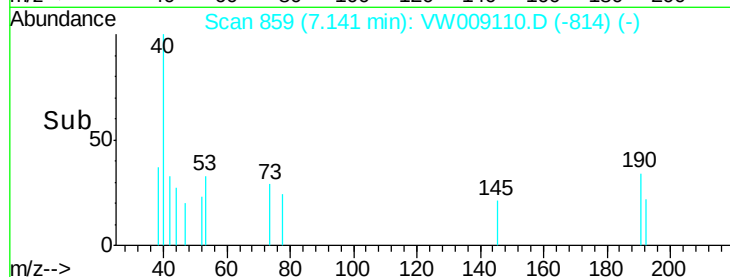
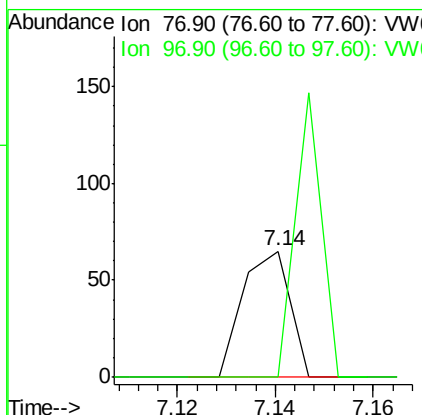
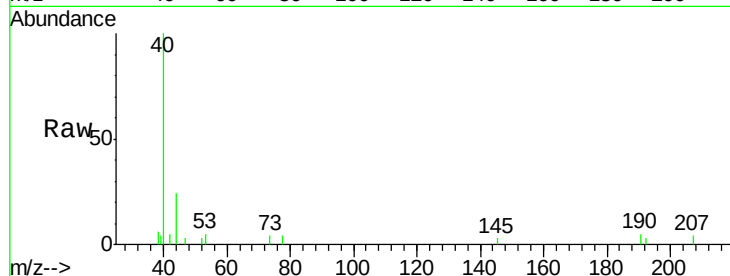




#26
 2,2-Dichloropropane
 Concen: 1.682 ug/l
 RT: 7.14 min Scan# 859
 Delta R.T. -0.02 min
 Lab File: VW009110.D
 Acq: 12 Mar 2019 03:31

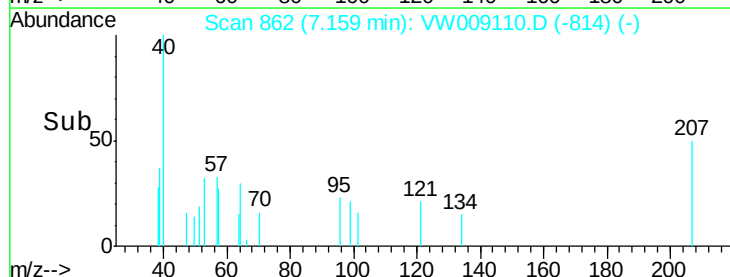
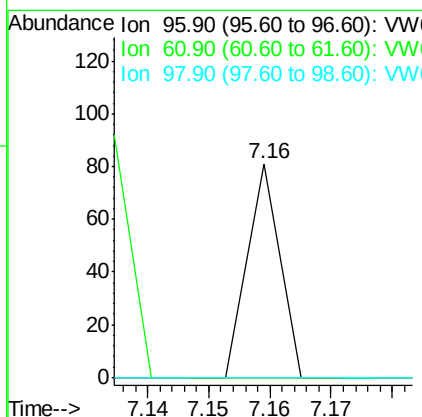
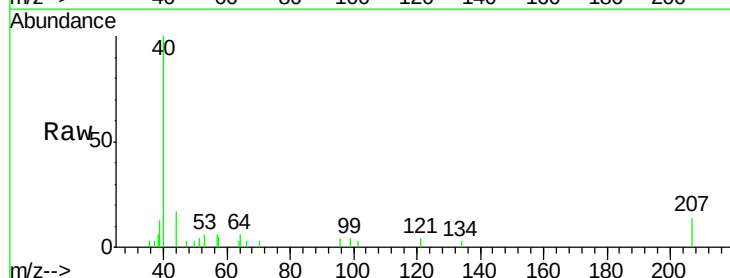
Instrument :
 MSVOA_W
 ClientSampleId :
 SUP-7B-G-4-031119

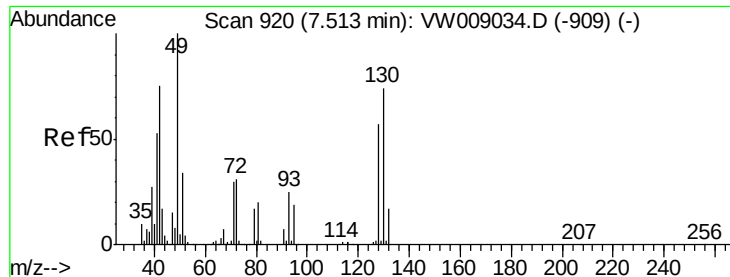
Tot Ion: 77 Resp: 44
 Ion Ratio Lower Upper
 77 100
 97 122.7 10.9 32.9#



#27
 cis-1,2-Dichloroethene
 Concen: 1.709 ug/l
 RT: 7.16 min Scan# 862
 Delta R.T. -0.01 min
 Lab File: VW009110.D
 Acq: 12 Mar 2019 03:31

Tgt Ion: 96 Resp: 30
 Ion Ratio Lower Upper
 96 100
 61 0.0 0.0 299.8
 98 0.0 0.0 127.2





#28

Bromochloromethane

Concen: 7.435 ug/l

RT: 7.46 min Scan# 911

Delta R.T. -0.05 min

Lab File: VW009110.D

Acq: 12 Mar 2019 03:31

Instrument :

MSVOA_W

ClientSampleId :

SUP-7B-G-4-031119

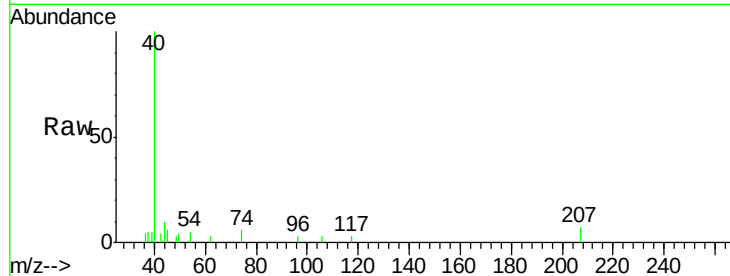
Tot Ion: 49 Resp: 89

Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.6

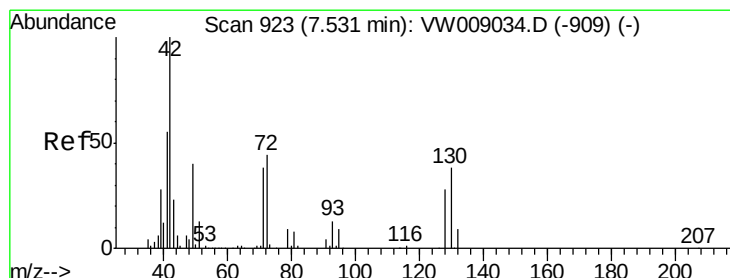
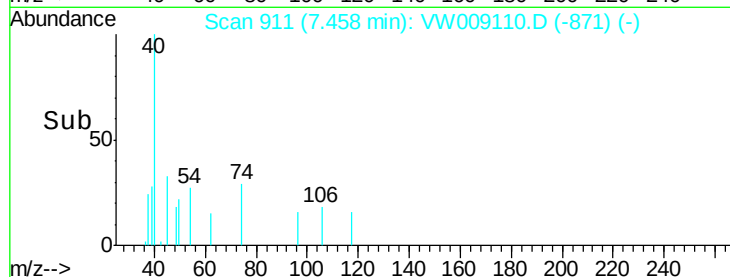
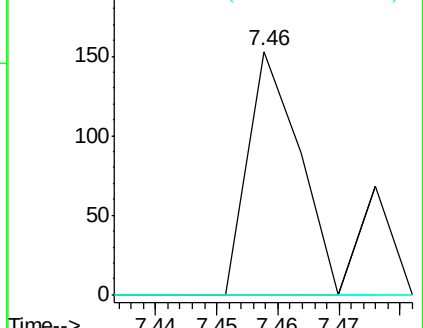
130 0.0 60.4 90.6#



Abundance Ion 48.90 (48.60 to 49.60): VW

Ion 128.80 (128.50 to 129.50): VW

Ion 129.80 (129.50 to 130.50): VW



#29

Tetrahydrofuran

Concen: 44.955 ug/l

RT: 7.74 min Scan# 958

Delta R.T. 0.21 min

Lab File: VW009110.D

Acq: 12 Mar 2019 03:31

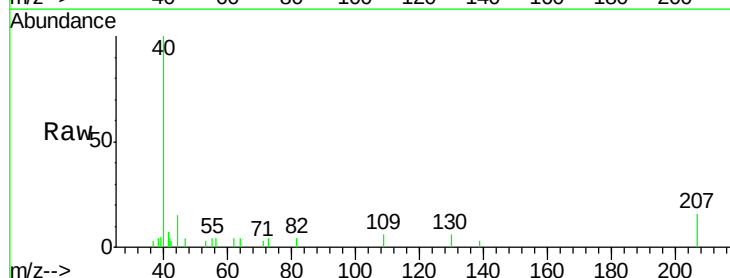
Tgt Ion: 42 Resp: 140

Ion Ratio Lower Upper

42 100

72 36.4 32.2 48.4

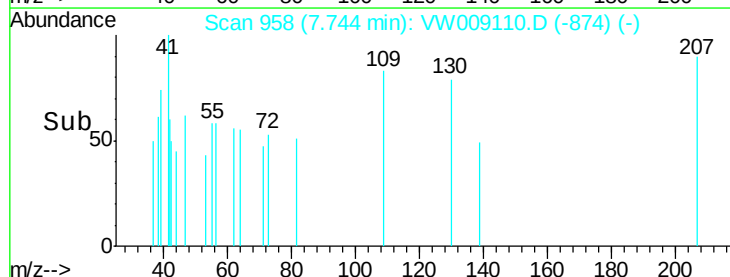
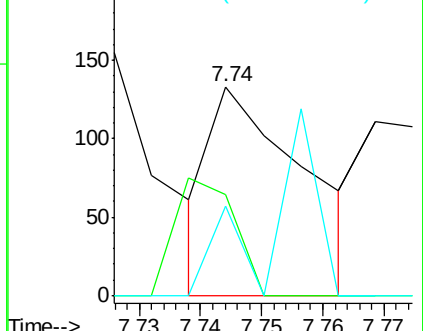
71 45.7 30.7 46.1

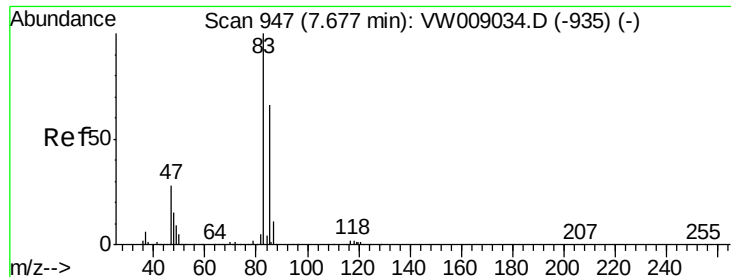


Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW

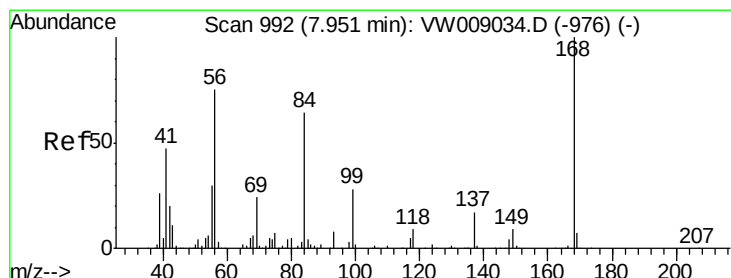
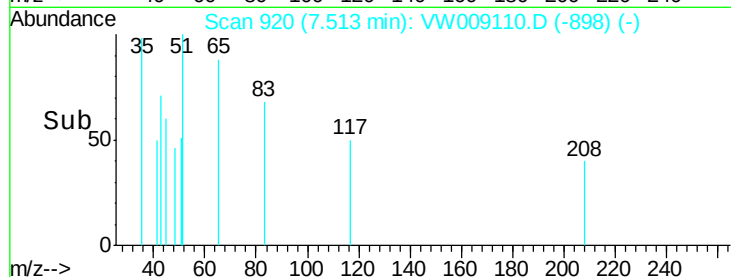
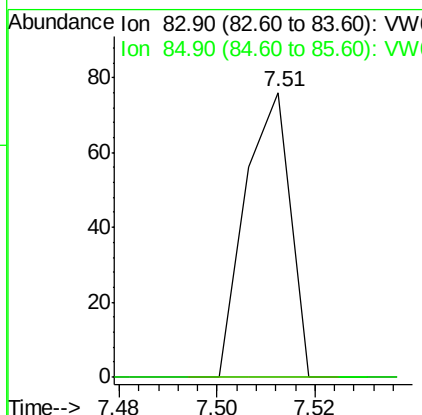
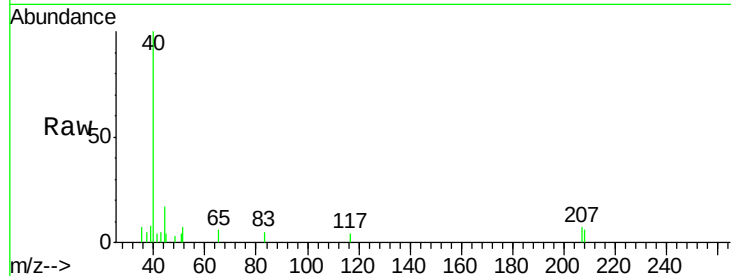




#30
Chloroform
Concen: 1.620 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.16 min
Lab File: VW009110.D
Acq: 12 Mar 2019 03:31

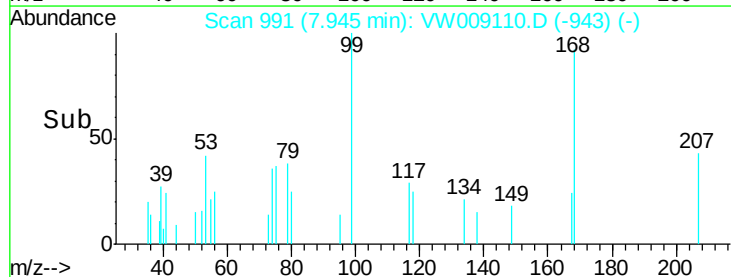
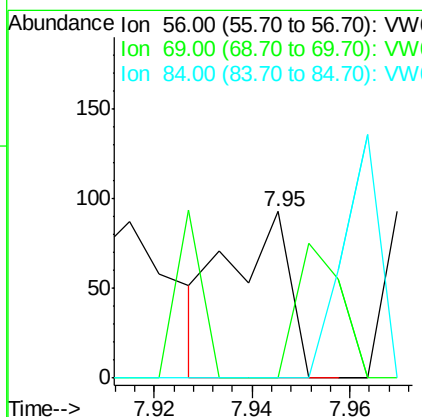
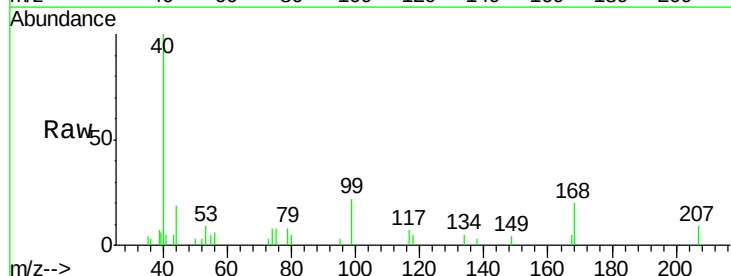
Instrument :
MSVOA_W
ClientSampleId :
SUP-7B-G-4-031119

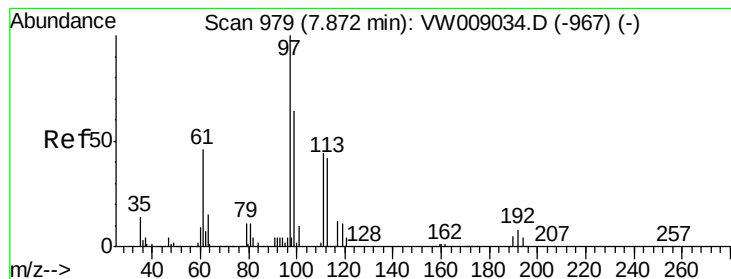
Tot Ion: 83 Resp: 48
Ion Ratio Lower Upper
83 100
85 0.0 53.0 79.6#



#31
Cyclohexane
Concen: 2.673 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW009110.D
Acq: 12 Mar 2019 03:31

Tgt Ion: 56 Resp: 79
Ion Ratio Lower Upper
56 100
69 0.0 25.5 38.3#
84 0.0 68.6 103.0#





#32

1,1,1-Trichloroethane

Concen: 1.024 ug/l

RT: 7.91 min Scan# 986

Delta R.T. 0.04 min

Lab File: VW009110.D

Acq: 12 Mar 2019 03:31

Instrument :

MSVOA_W

ClientSampleId :

SUP-7B-G-4-031119

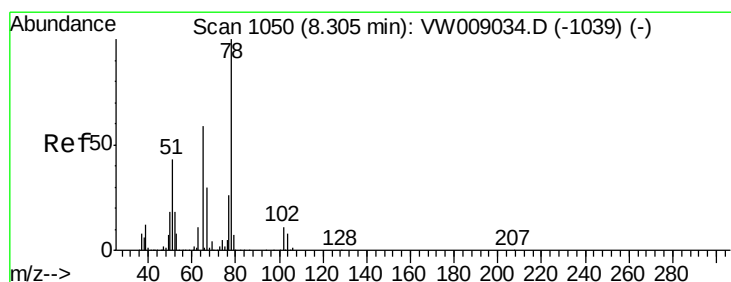
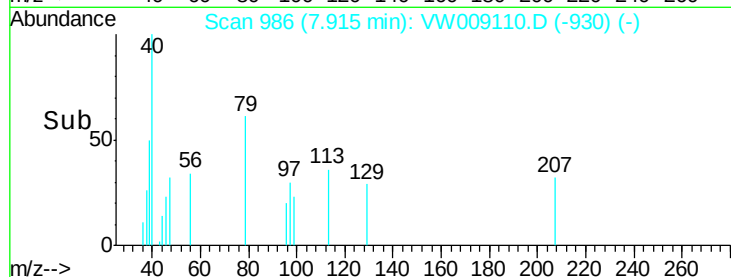
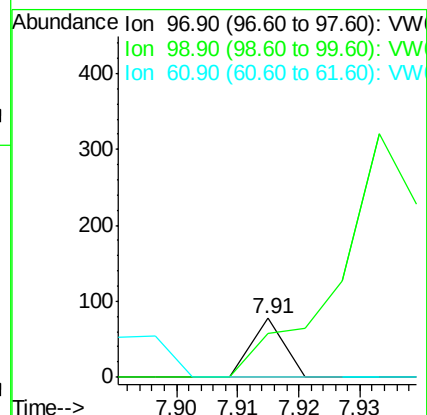
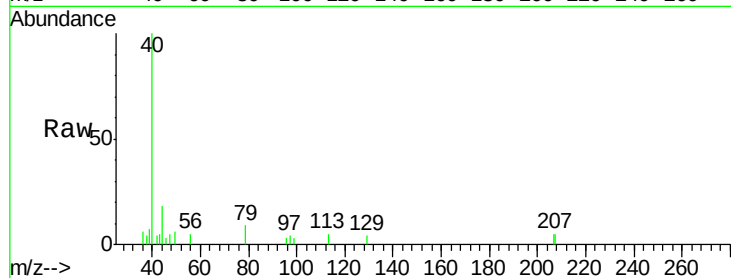
Tot Ion: 97 Resp: 28

Ion Ratio Lower Upper

97 100

99 0.0 51.8 77.8#

61 139.3 37.3 55.9#



#33

1,2-Dichloroethane-d4

Concen: 51.369 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. 0.01 min

Lab File: VW009110.D

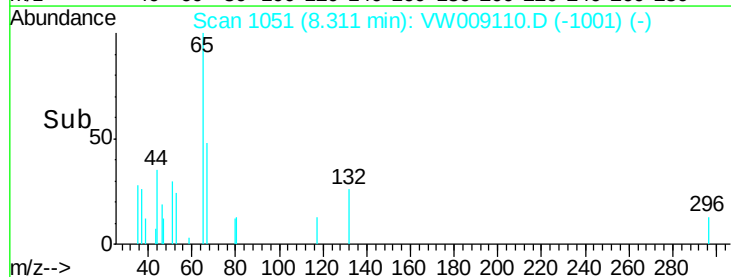
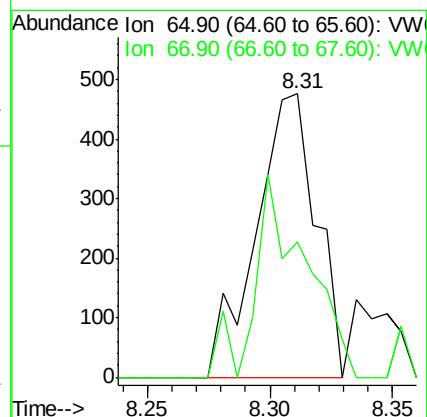
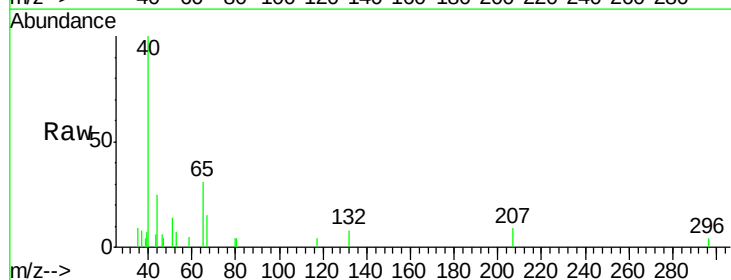
Acq: 12 Mar 2019 03:31

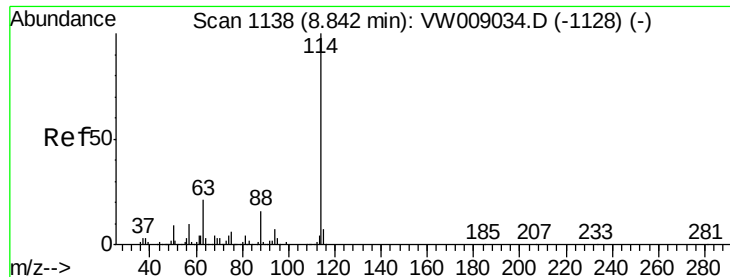
Tgt Ion: 65 Resp: 814

Ion Ratio Lower Upper

65 100

67 61.2 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW009110.D

Acq: 12 Mar 2019 03:31

Instrument :

MSVOA_W

ClientSampleId :

SUP-7B-G-4-031119

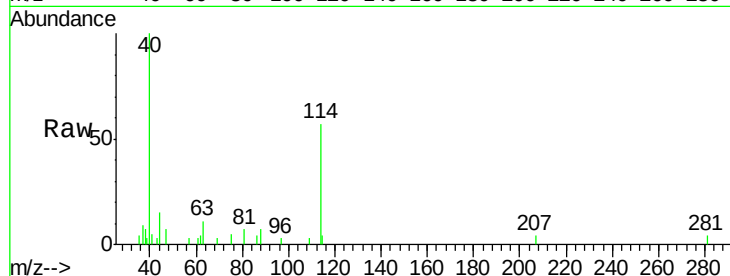
Tot Ion:114 Resp: 1926

Ion Ratio Lower Upper

114 100

63 18.7 0.0 41.2

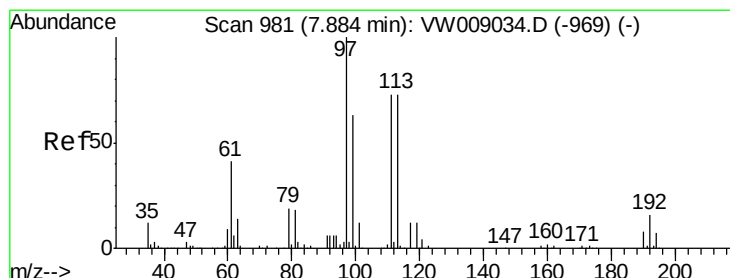
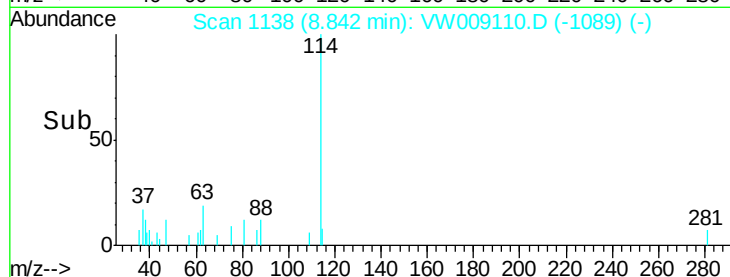
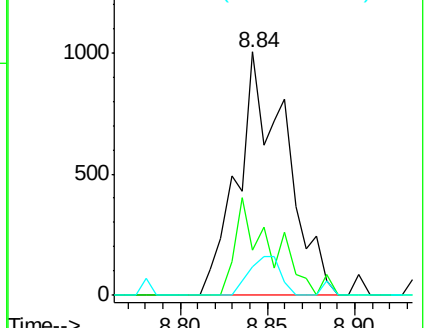
88 11.7 0.0 31.2



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: 40.530 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW009110.D

Acq: 12 Mar 2019 03:31

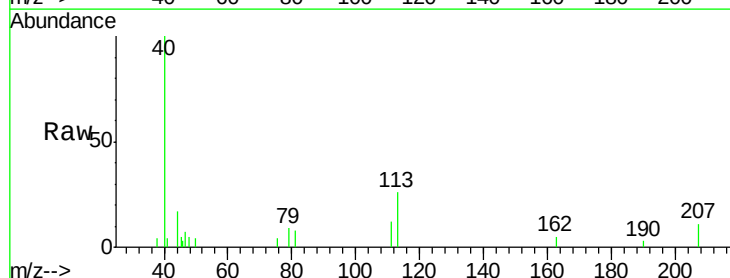
Tgt Ion:113 Resp: 470

Ion Ratio Lower Upper

113 100

111 113.8 81.0 121.4

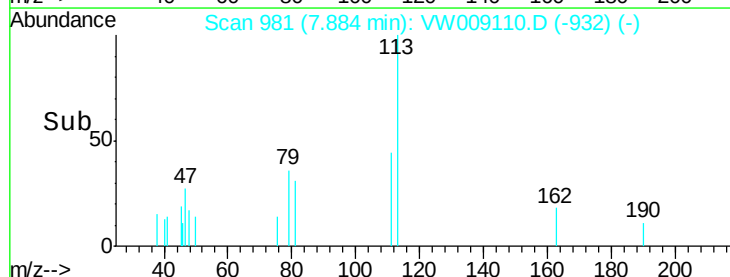
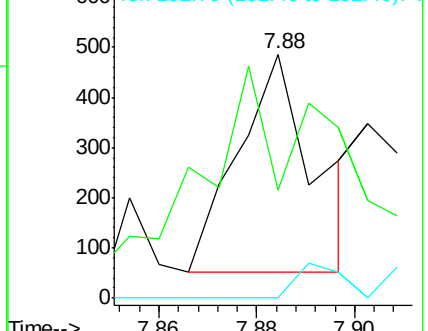
192 9.4 17.1 25.7#

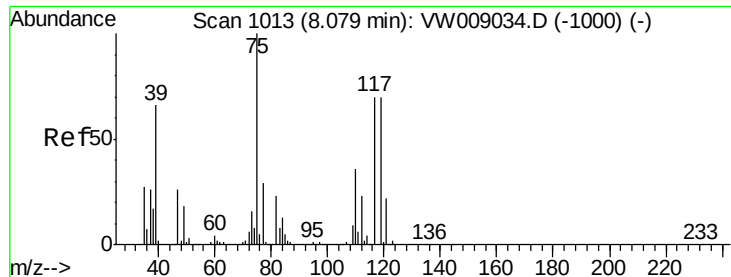


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

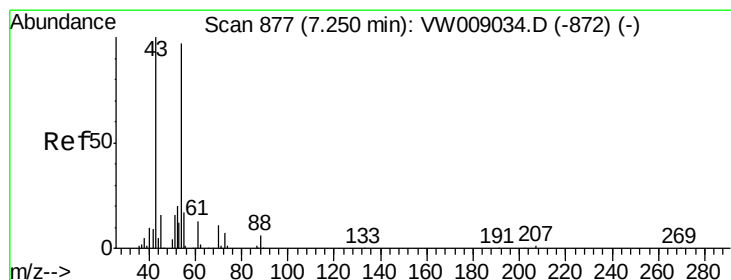
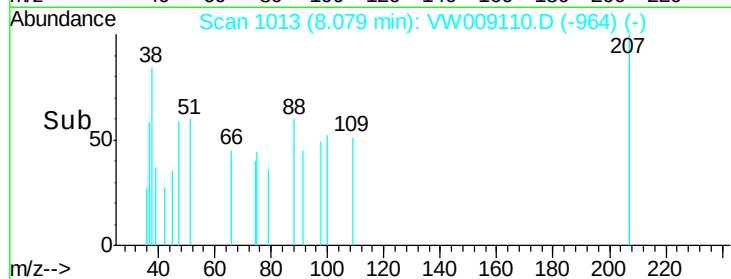
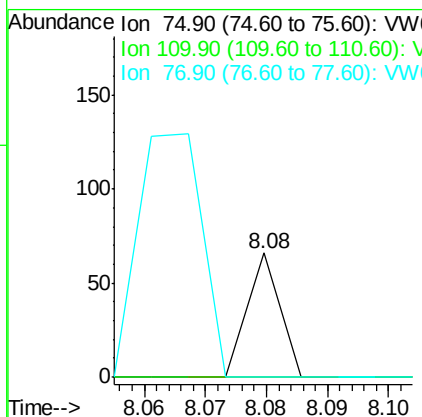
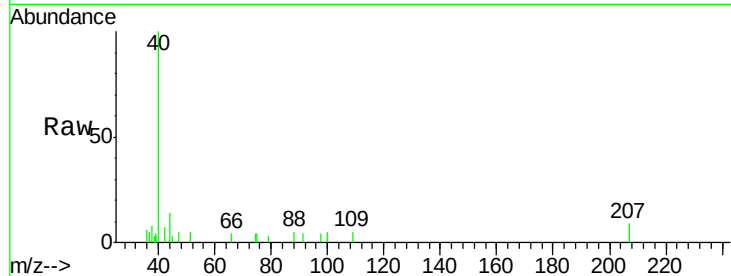




#36
 1,1-Dichloropropene
 Concen: 1.192 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW009110.D
 Acq: 12 Mar 2019 03:31

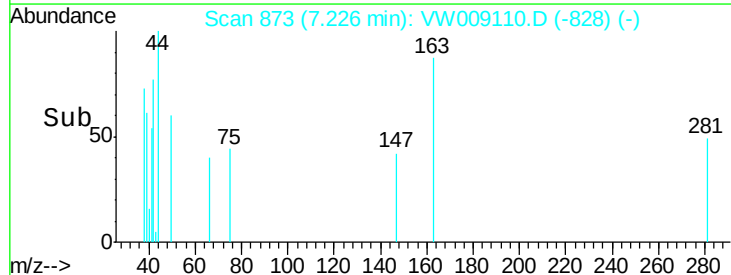
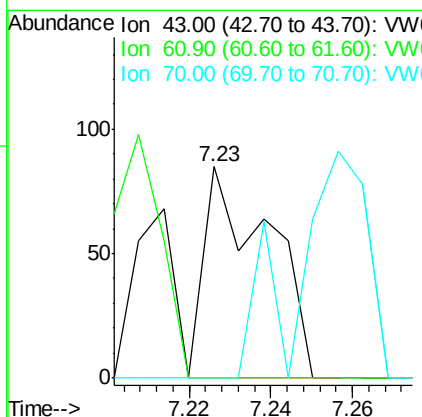
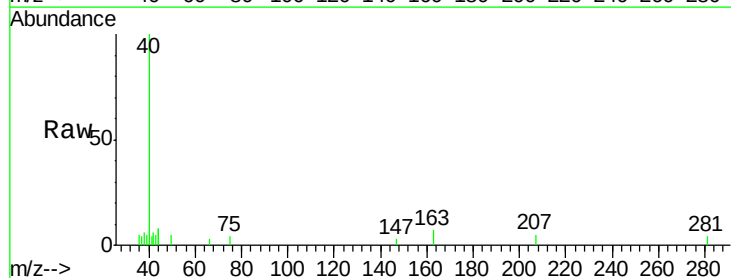
Instrument :
 MSVOA_W
 ClientSampleId :
 SUP-7B-G-4-031119

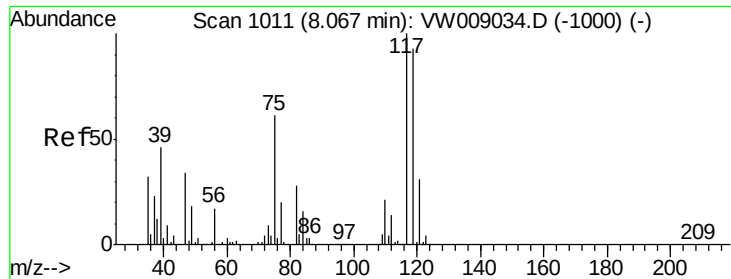
Tot Ion	Ratio	Lower	Upper
75	100		
110	0.0	17.6	52.9#
77	391.7	25.1	37.7#



#37
 Ethyl Acetate
 Concen: 9.832 ug/l
 RT: 7.23 min Scan# 873
 Delta R.T. -0.02 min
 Lab File: VW009110.D
 Acq: 12 Mar 2019 03:31

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	9.8	14.6#
70	0.0	7.2	10.8#





#38

Carbon Tetrachloride

Concen: 2.019 ug/l

RT: 8.15 min Scan# 1025

Delta R.T. 0.09 min

Lab File: VW009110.D

Acq: 12 Mar 2019 03:31

Instrument :

MSVOA_W

ClientSampleId :

SUP-7B-G-4-031119

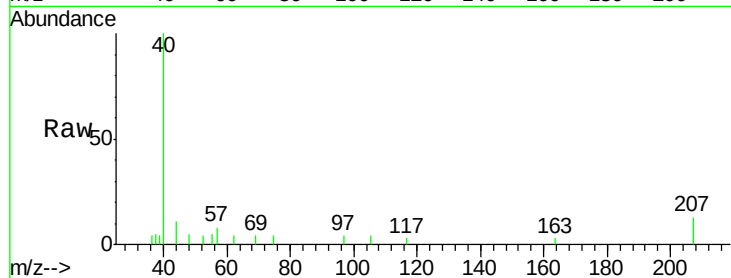
Tot Ion:117 Resp: 42

Ion Ratio Lower Upper

117 100

119 0.0 74.6 112.0#

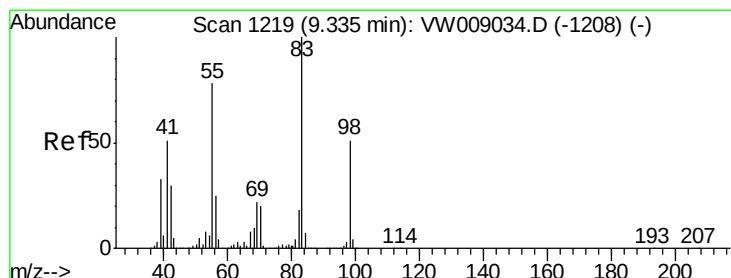
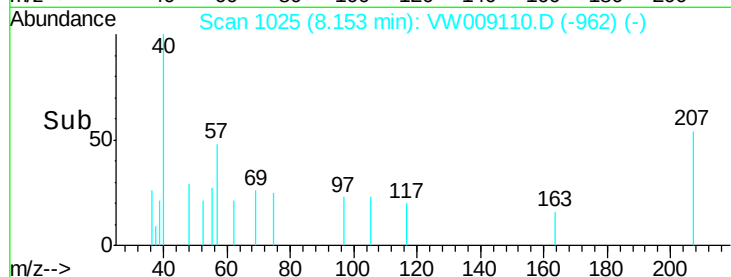
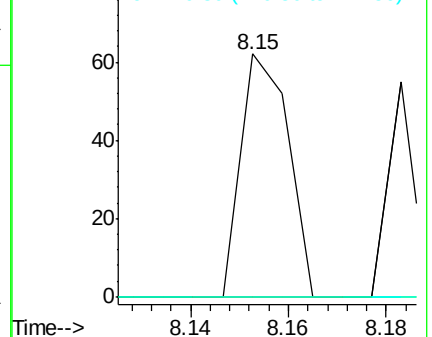
121 0.0 24.7 37.1#



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



#39

Methylcyclohexane

Concen: 1.334 ug/l

RT: 9.31 min Scan# 1215

Delta R.T. -0.02 min

Lab File: VW009110.D

Acq: 12 Mar 2019 03:31

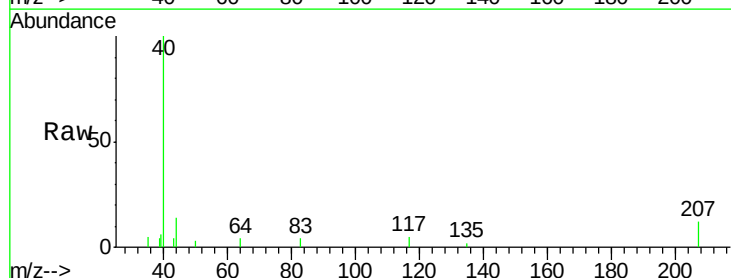
Tgt Ion: 83 Resp: 32

Ion Ratio Lower Upper

83 100

55 0.0 62.7 94.1#

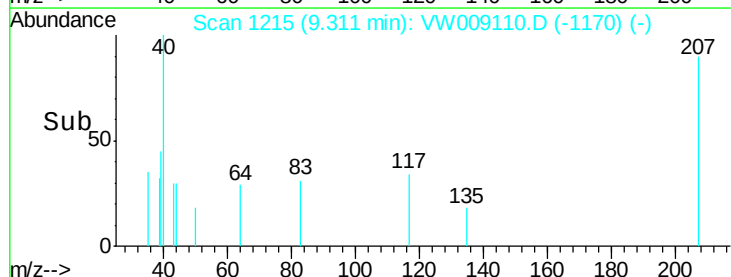
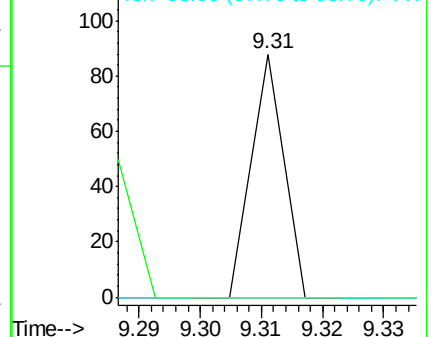
98 0.0 40.8 61.2#

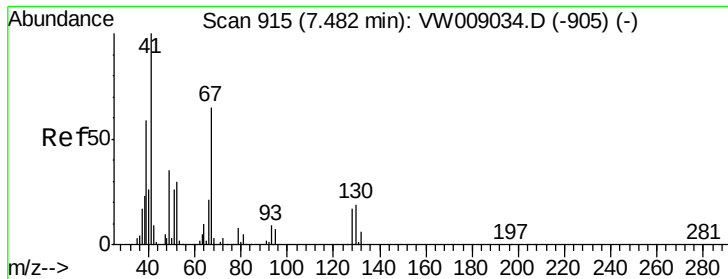


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#41

Methacrylonitrile

Concen: 16.182 ug/l

RT: 7.46 min Scan# 912

Delta R.T. -0.02 min

Lab File: VW009110.D

Acq: 12 Mar 2019 03:31

Instrument :

MSVOA_W

ClientSampleId :

SUP-7B-G-4-031119

Tot Ion: 41 Resp: 85

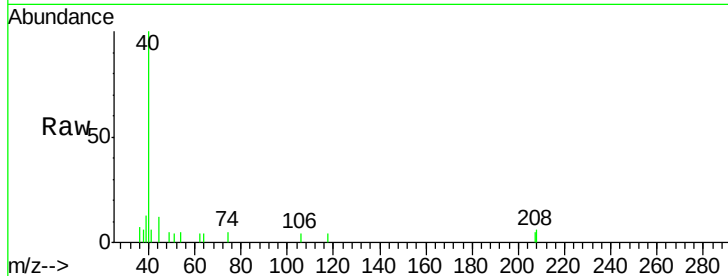
Ion Ratio Lower Upper

41 100

39 290.6 53.6 80.4#

67 0.0 57.6 86.4#

52 0.0 26.0 39.0#

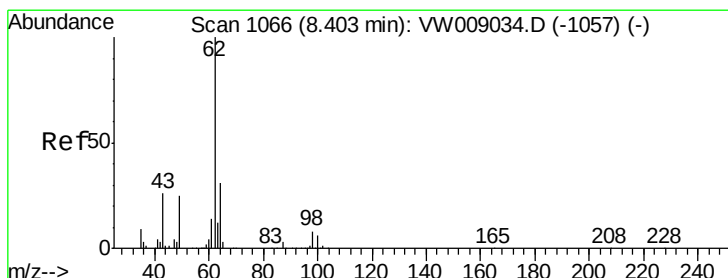
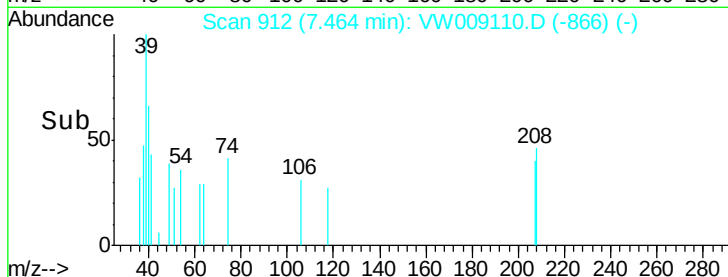
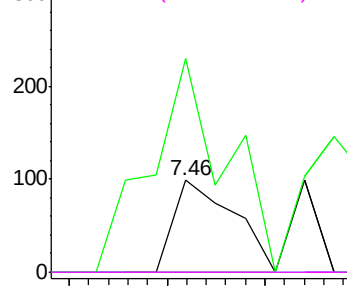


Abundance Ion 41.00 (40.70 to 41.70): VW

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: 5.359 ug/l

RT: 8.44 min Scan# 1072

Delta R.T. 0.04 min

Lab File: VW009110.D

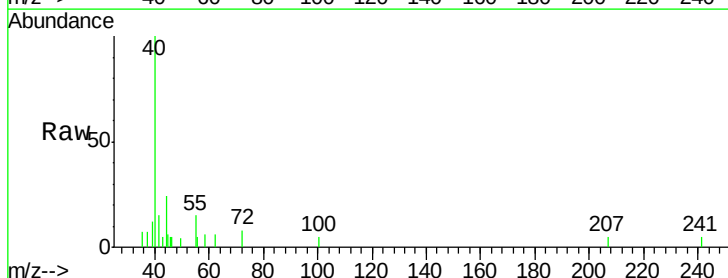
Acq: 12 Mar 2019 03:31

Tgt Ion: 62 Resp: 93

Ion Ratio Lower Upper

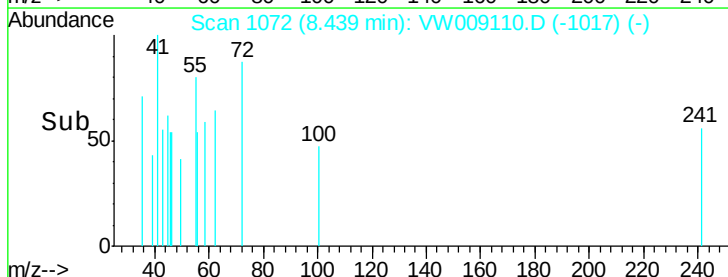
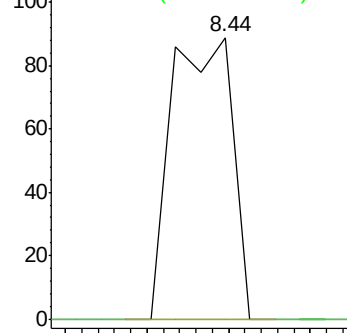
62 100

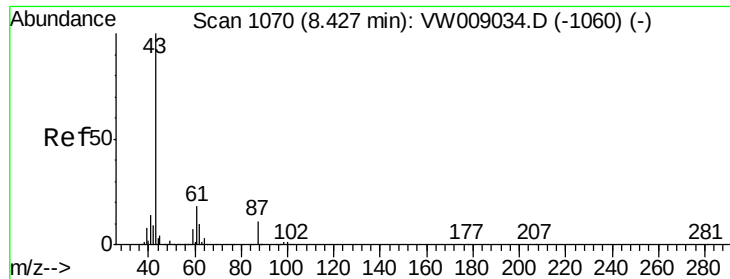
98 0.0 0.0 17.6



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 11.522 ug/l

RT: 8.46 min Scan# 1075

Delta R.T. 0.03 min

Lab File: VW009110.D

Acq: 12 Mar 2019 03:31

Instrument :

MSVOA_W

ClientSampleId :

SUP-7B-G-4-031119

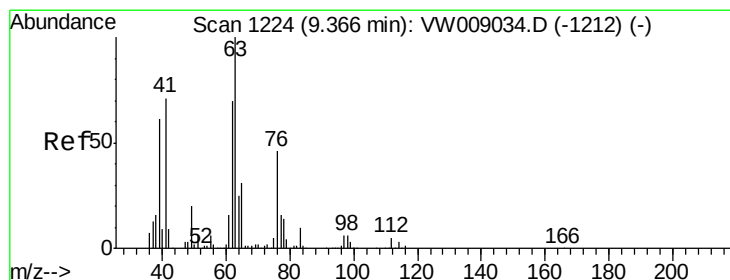
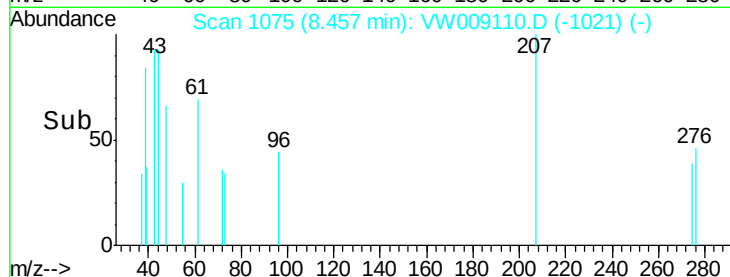
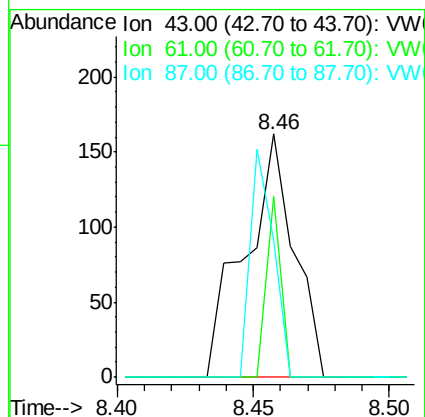
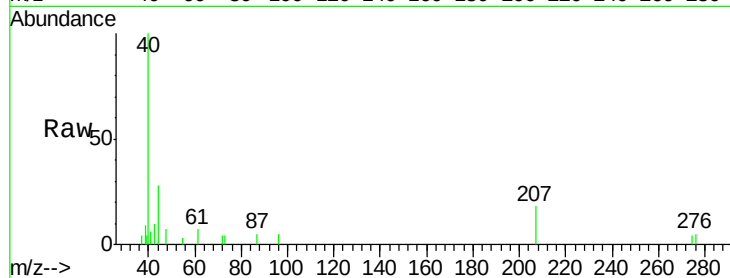
Tot Ion: 43 Resp: 203

Ion Ratio Lower Upper

43 100

61 21.7 22.8 34.2#

87 43.8 9.4 14.2#



#45

1,2-Dichloropropane

Concen: 1.560 ug/l

RT: 9.29 min Scan# 1212

Delta R.T. -0.07 min

Lab File: VW009110.D

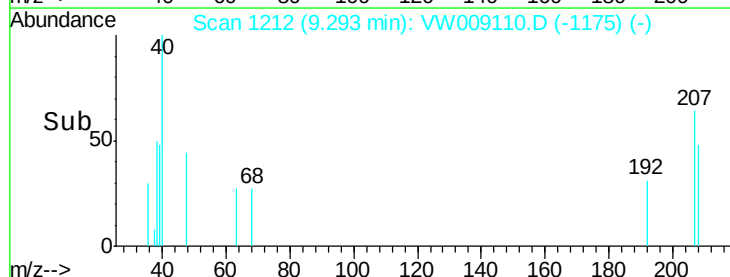
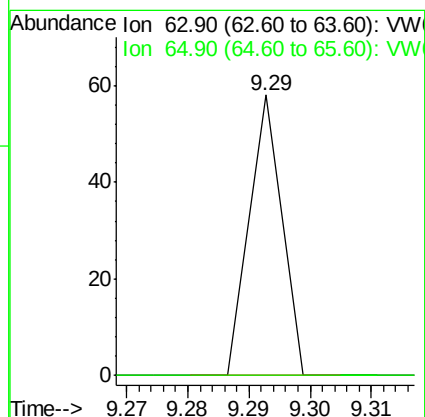
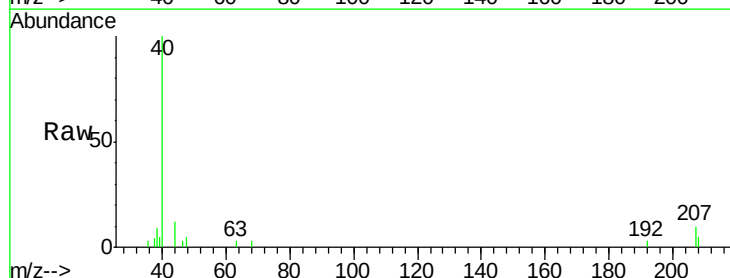
Acq: 12 Mar 2019 03:31

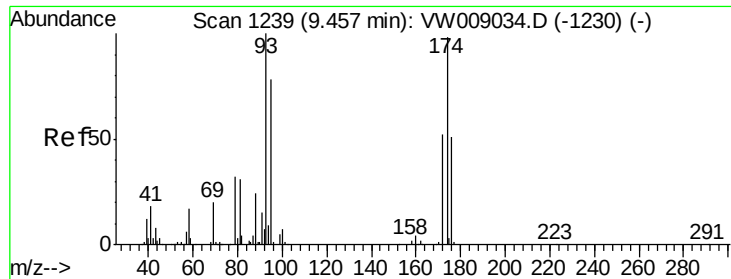
Tgt Ion: 63 Resp: 21

Ion Ratio Lower Upper

63 100

65 0.0 24.9 37.3#





#46

Dibromomethane

Concen: 3.536 ug/l

RT: 9.42 min Scan# 1233

Delta R.T. -0.04 min

Lab File: VW009110.D

Acq: 12 Mar 2019 03:31

Instrument :

MSVOA_W

ClientSampleId :

SUP-7B-G-4-031119

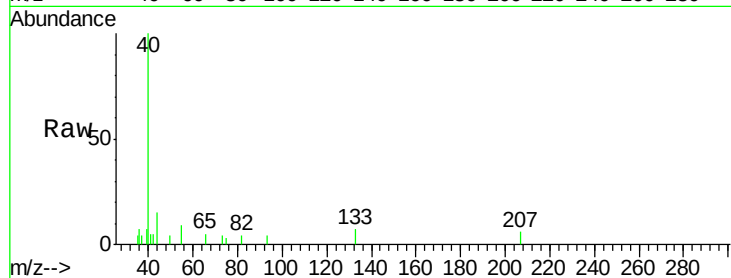
Tot Ion: 93 Resp: 26

Ion Ratio Lower Upper

93 100

95 0.0 65.0 97.6#

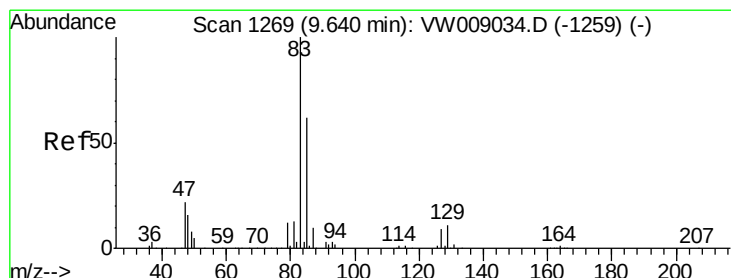
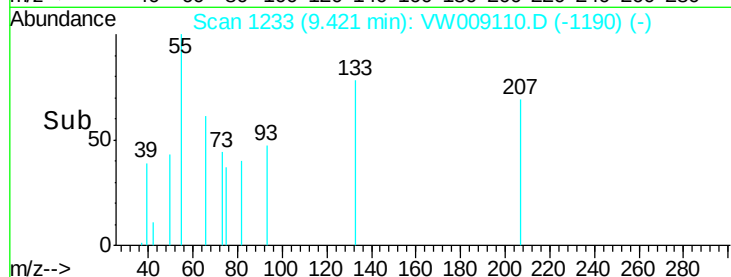
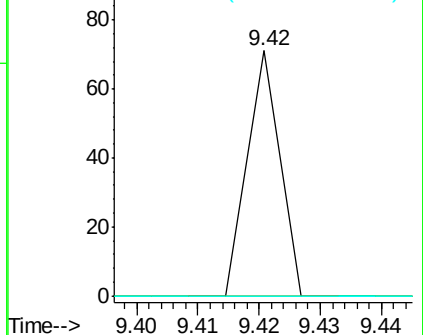
174 0.0 81.8 122.6#



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: 2.471 ug/l

RT: 9.74 min Scan# 1286

Delta R.T. 0.10 min

Lab File: VW009110.D

Acq: 12 Mar 2019 03:31

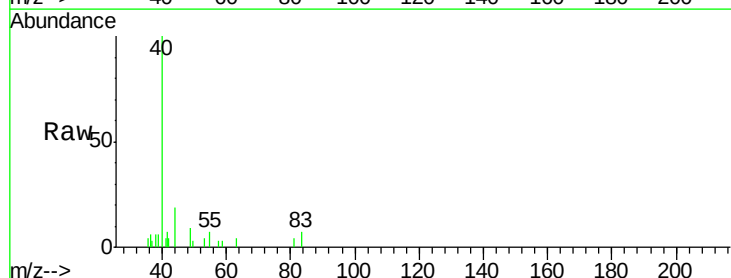
Tgt Ion: 83 Resp: 46

Ion Ratio Lower Upper

83 100

85 0.0 49.9 74.9#

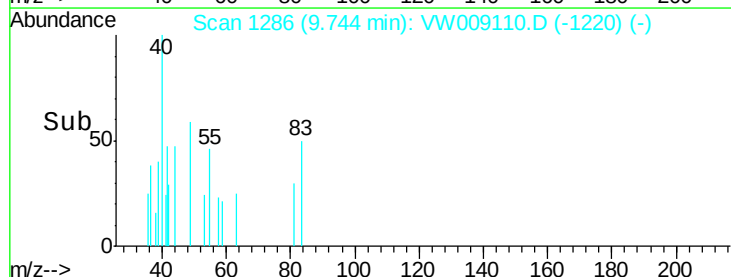
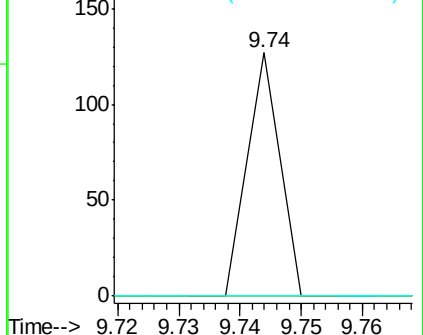
127 0.0 7.1 10.7#

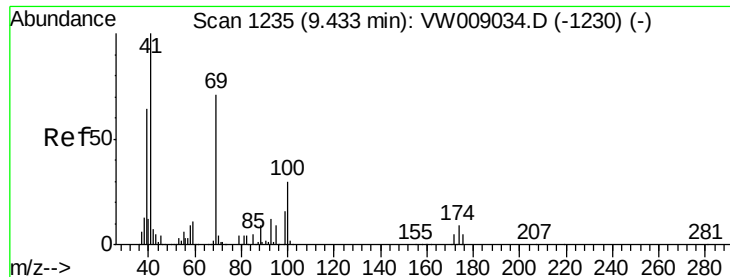


Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): V

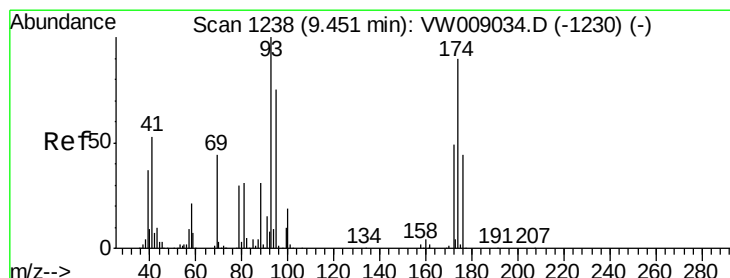
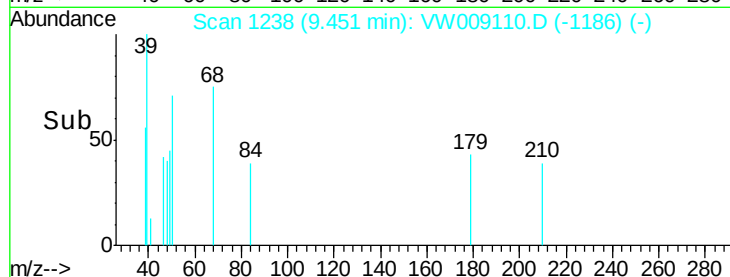
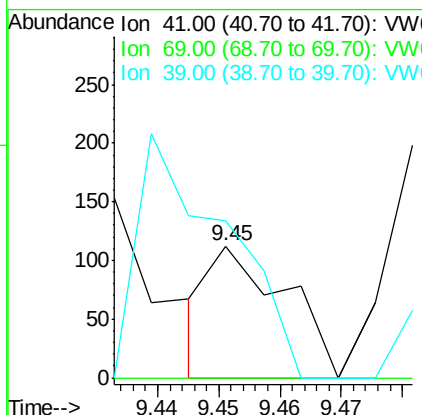
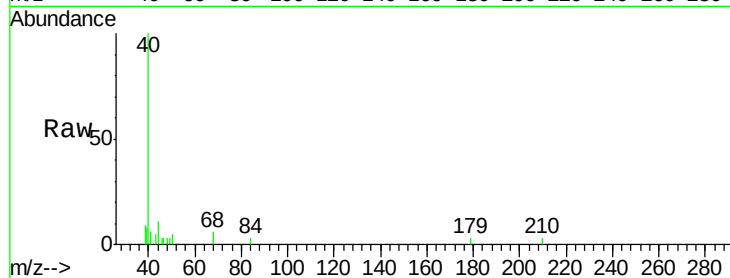




#48
Methvl methacrylate
Concen: 11.581 ug/l
RT: 9.45 min Scan# 1238
Delta R.T. 0.02 min
Lab File: VW009110.D
Acq: 12 Mar 2019 03:31

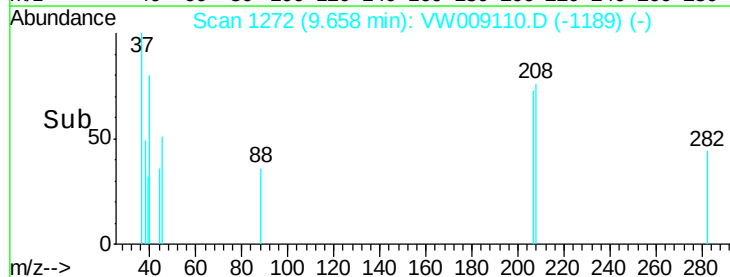
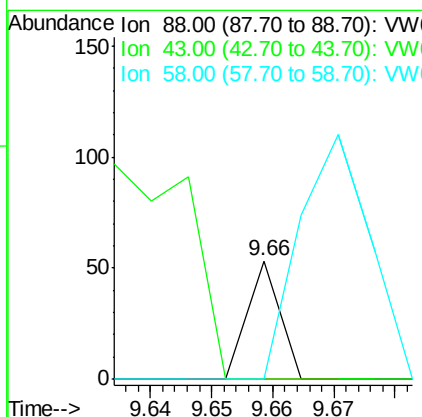
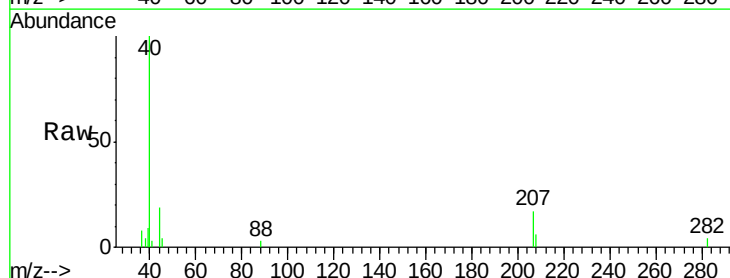
Instrument :
MSVOA_W
ClientSampleId :
SUP-7B-G-4-031119

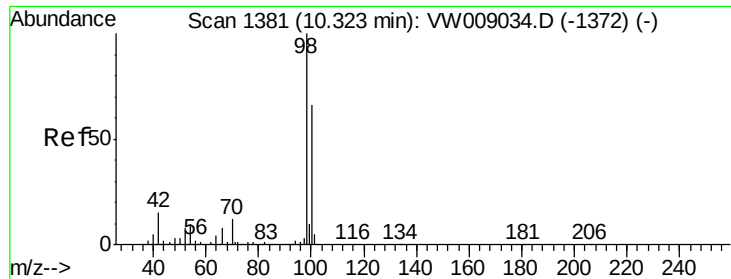
Tot Ion: 41 Resp: 95
Ion Ratio Lower Upper
41 100
69 0.0 59.1 88.7#
39 220.0 48.9 73.3#



#49
1,4-Dioxane
Concen: 180.439 ug/l
RT: 9.66 min Scan# 1272
Delta R.T. 0.21 min
Lab File: VW009110.D
Acq: 12 Mar 2019 03:31

Tgt Ion: 88 Resp: 19
Ion Ratio Lower Upper
88 100
43 0.0 29.0 43.4#
58 463.2 59.2 88.8#





#50

Toluene-d8

Concen: 22.571 ug/l

RT: 10.32 min Scan# 1380

Delta R.T. -0.01 min

Lab File: VW009110.D

Acq: 12 Mar 2019 03:31

Instrument :

MSVOA_W

ClientSampleId :

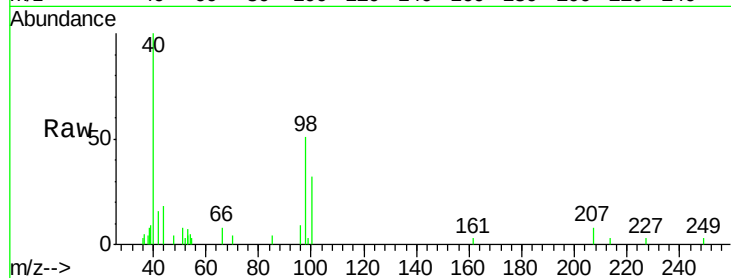
SUP-7B-G-4-031119

Tot Ion: 98 Resp: 1075

Ion Ratio Lower Upper

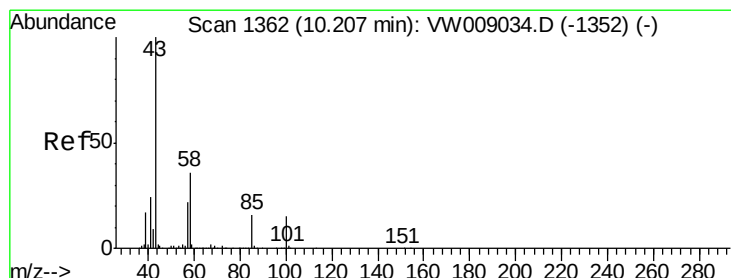
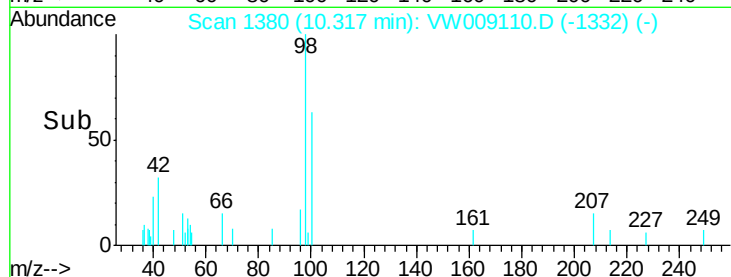
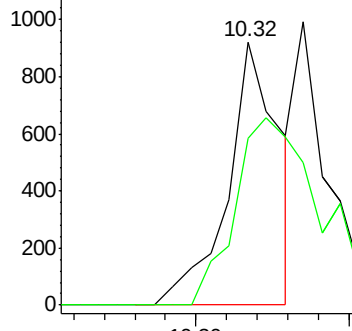
98 100

100 123.4 51.9 77.9#



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: 16.547 ug/l

RT: 10.13 min Scan# 1349

Delta R.T. -0.08 min

Lab File: VW009110.D

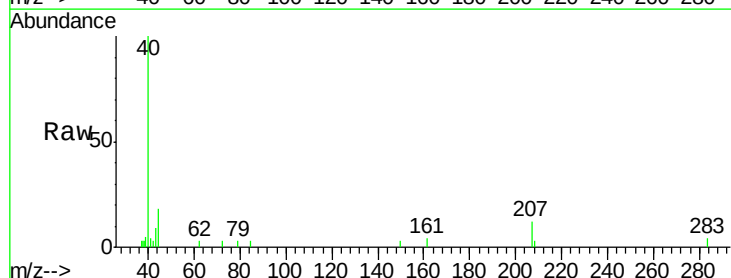
Acq: 12 Mar 2019 03:31

Tgt Ion: 43 Resp: 148

Ion Ratio Lower Upper

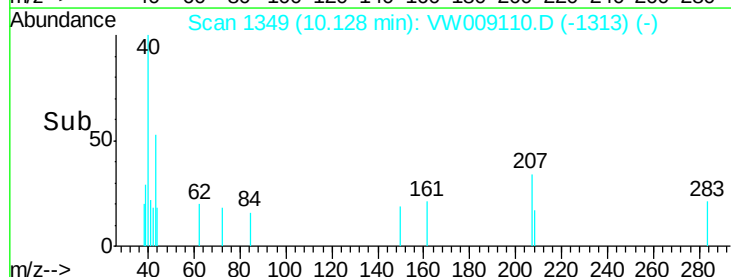
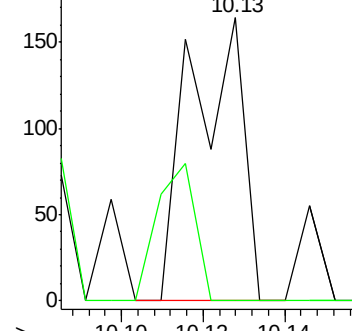
43 100

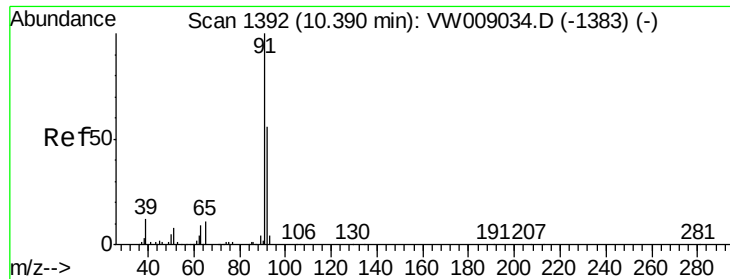
58 35.1 28.8 43.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#52

Toluene

Concen: 2.194 ug/l

RT: 10.38 min Scan# 1390

Delta R.T. -0.01 min

Lab File: VW009110.D

Acq: 12 Mar 2019 03:31

Instrument :

MSVOA_W

ClientSampleId :

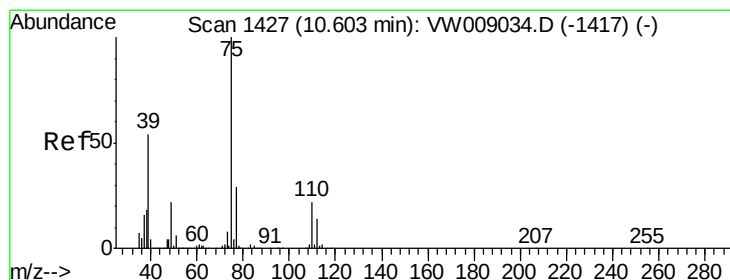
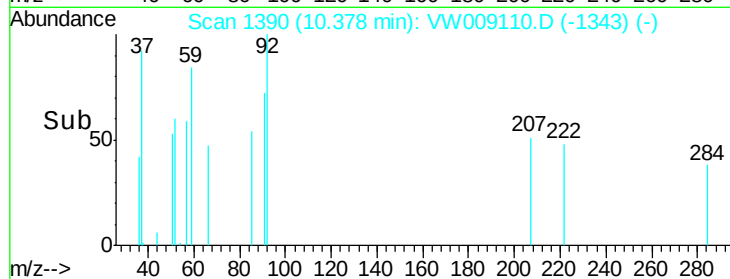
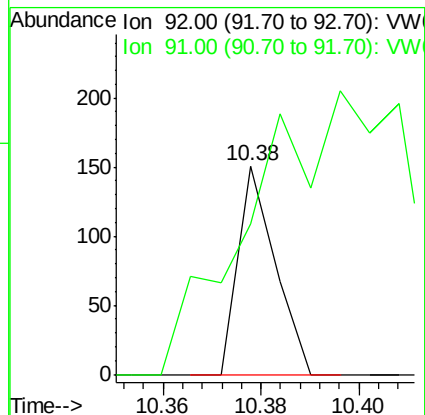
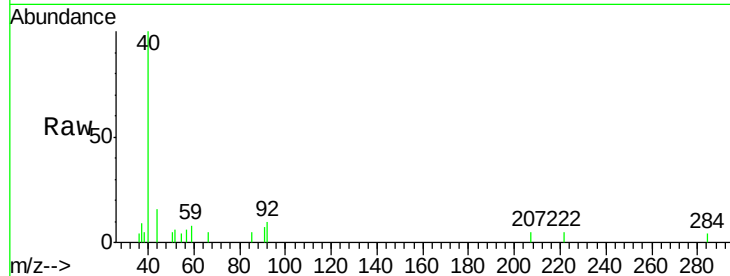
SUP-7B-G-4-031119

Tot Ion: 92 Resp: 80

Ion Ratio Lower Upper

92 100

91 577.5 139.9 209.9#



#53

t-1,3-Dichloropropene

Concen: 1.195 ug/l

RT: 10.56 min Scan# 1420

Delta R.T. -0.04 min

Lab File: VW009110.D

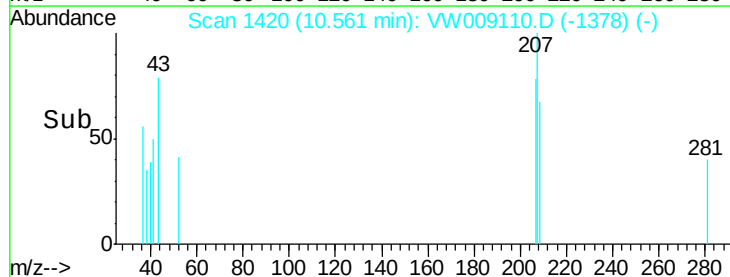
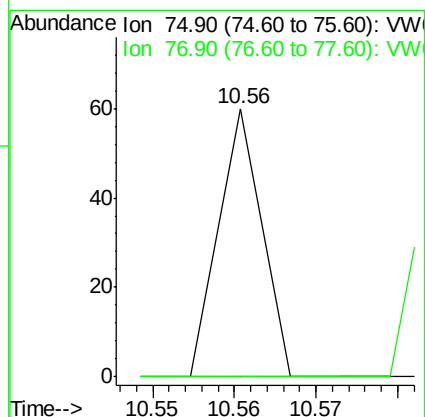
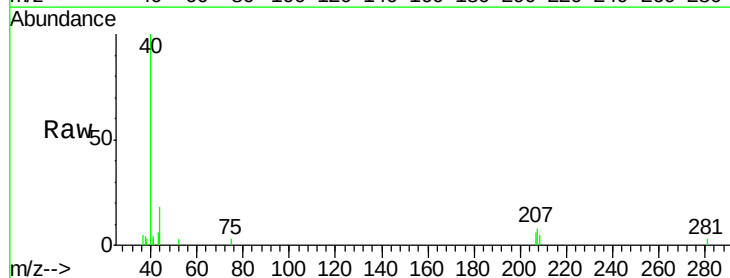
Acq: 12 Mar 2019 03:31

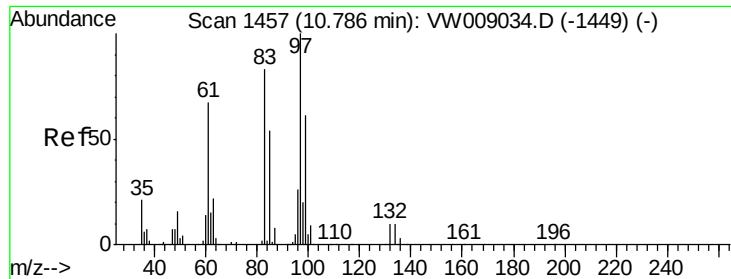
Tgt Ion: 75 Resp: 22

Ion Ratio Lower Upper

75 100

77 0.0 23.6 35.4#

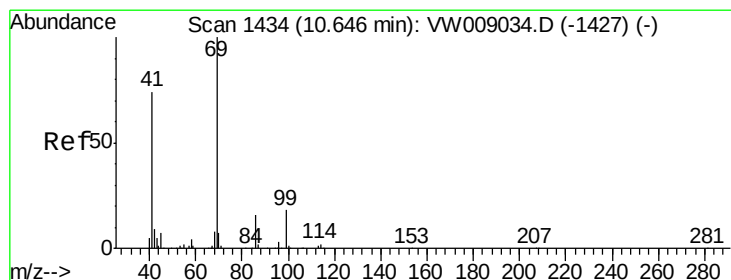
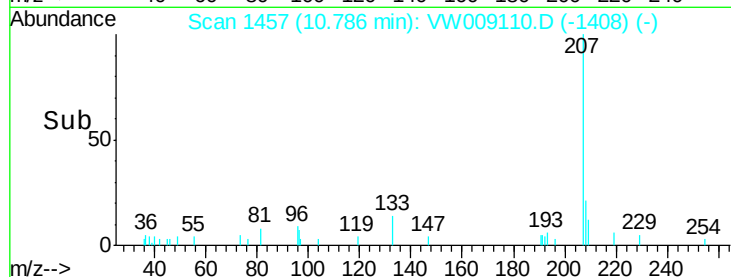
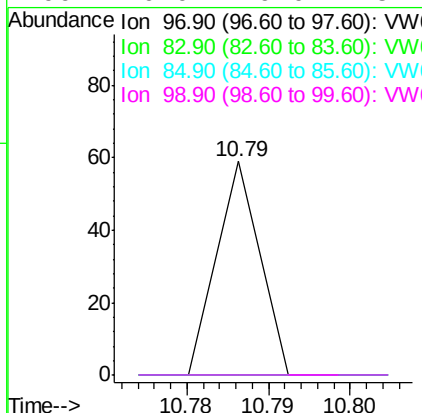
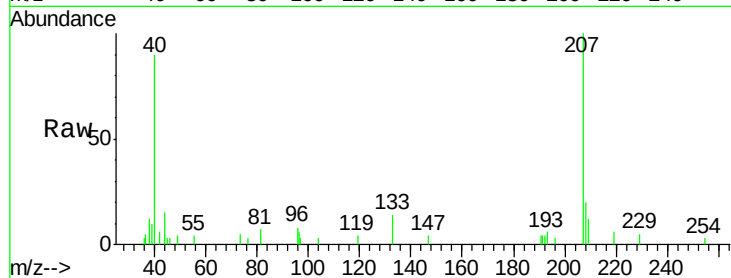




#55
 1,1,2-Trichloroethane
 Concen: 2.207 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW009110.D
 Acq: 12 Mar 2019 03:31

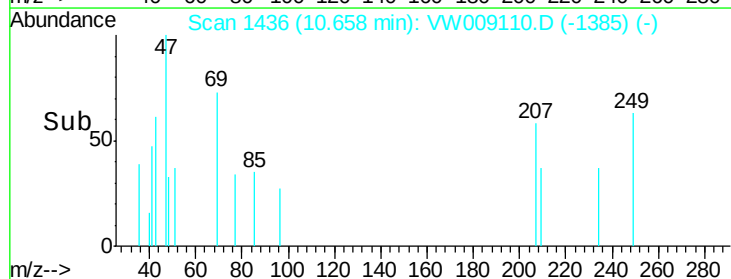
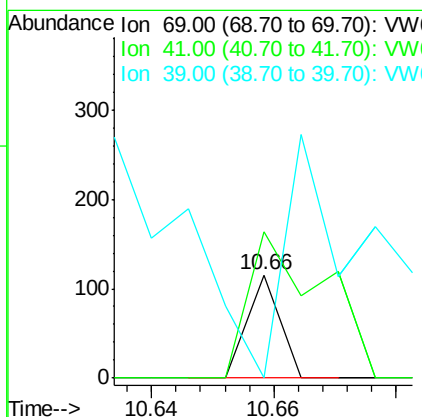
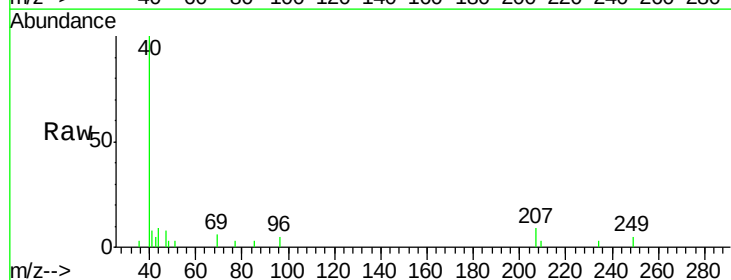
Instrument :
 MSVOA_W
 ClientSampleId :
 SUP-7B-G-4-031119

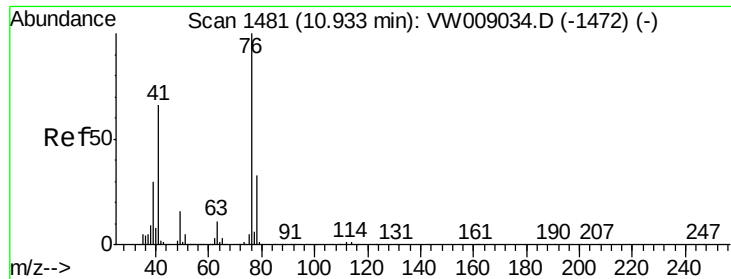
Tot Ion:	97	Resp:	22
Ion	Ratio	Lower	Upper
97	100		
83	0.0	66.2	99.2#
85	0.0	43.6	65.4#
99	0.0	49.0	73.4#



#56
 Ethyl methacrylate
 Concen: 3.395 ug/l
 RT: 10.66 min Scan# 1436
 Delta R.T. 0.01 min
 Lab File: VW009110.D
 Acq: 12 Mar 2019 03:31

Tgt Ion:	69	Resp:	42
Ion	Ratio	Lower	Upper
69	100		
41	326.2	59.4	89.2#
39	588.1	38.5	57.7#





#57

1,3-Dichloropropane

Concen: 4.021 ug/l

RT: 10.96 min Scan# 1485

Delta R.T. 0.02 min

Lab File: VW009110.D

Acq: 12 Mar 2019 03:31

Instrument :

MSVOA_W

ClientSampleId :

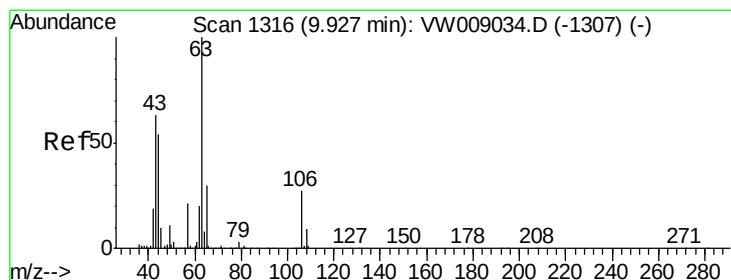
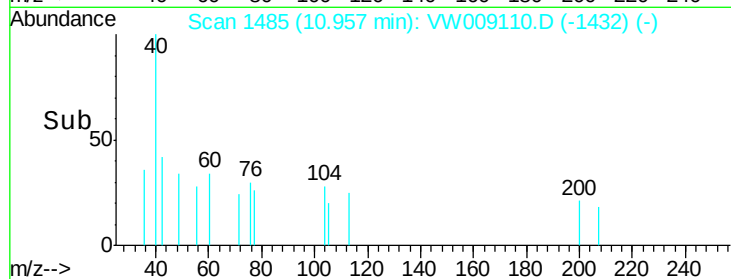
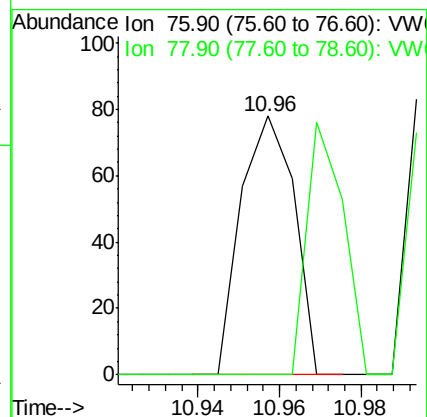
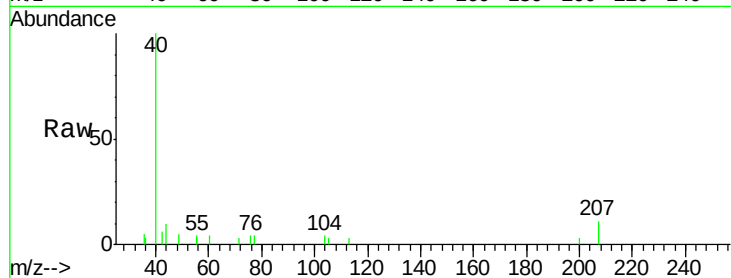
SUP-7B-G-4-031119

Tot Ion: 76 Resp: 71

Ion Ratio Lower Upper

76 100

78 66.2 25.7 38.5#



#58

2-Chloroethyl Vinyl ether

Concen: 7.174 ug/l

RT: 9.97 min Scan# 1323

Delta R.T. 0.04 min

Lab File: VW009110.D

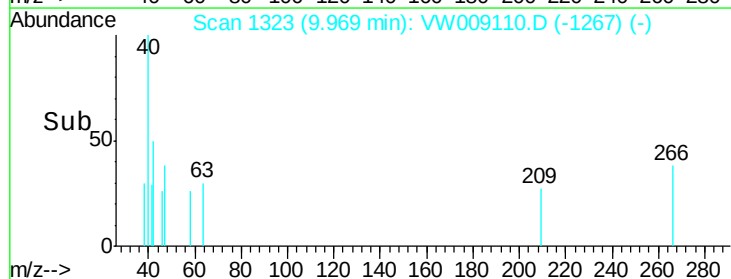
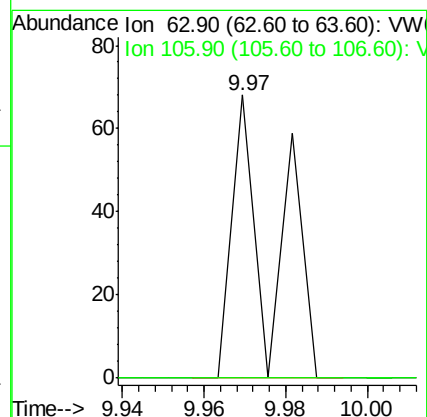
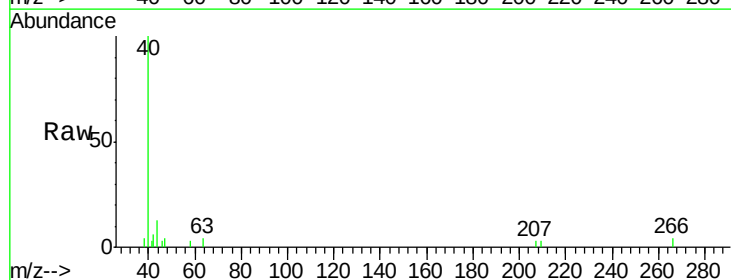
Acq: 12 Mar 2019 03:31

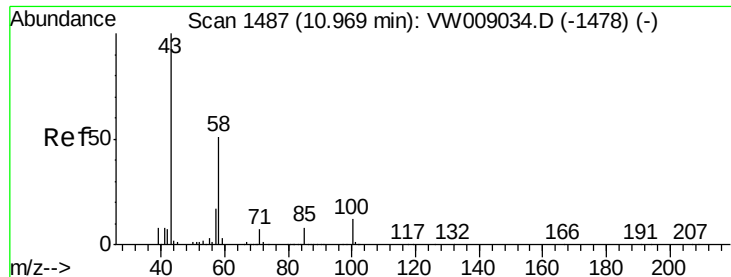
Tgt Ion: 63 Resp: 46

Ion Ratio Lower Upper

63 100

106 0.0 23.0 34.6#

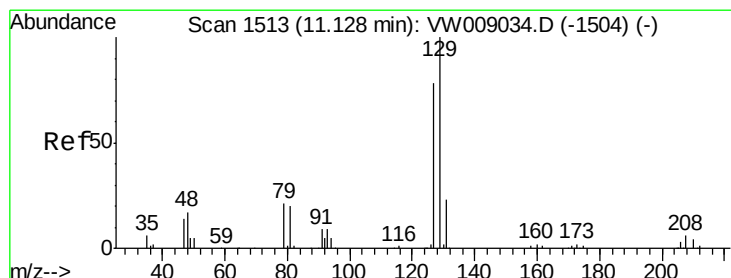
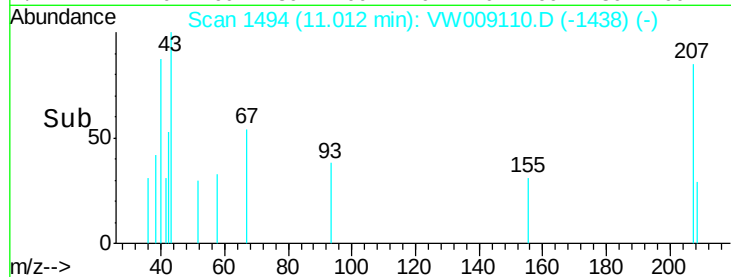
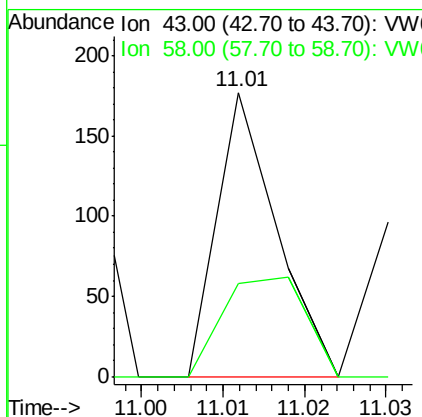
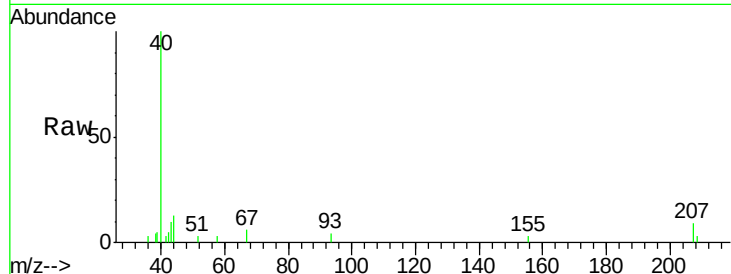




#59
2-Hexanone
Concen: 14.312 ug/l
RT: 11.01 min Scan# 1494
Delta R.T. 0.04 min
Lab File: VW009110.D
Acq: 12 Mar 2019 03:31

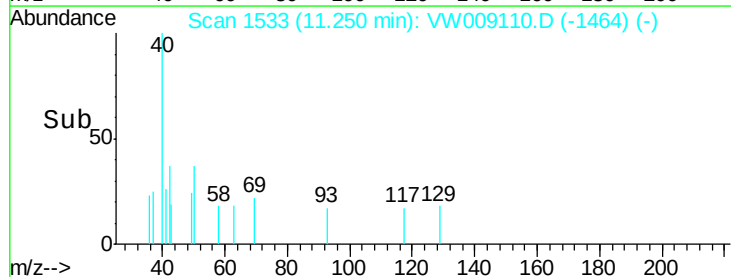
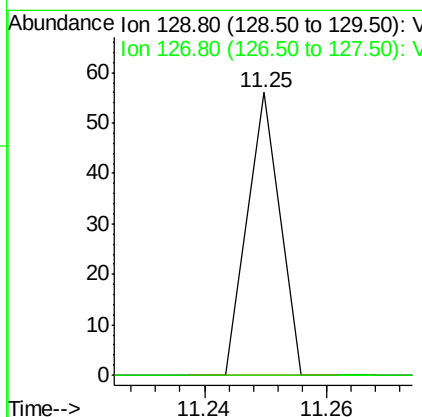
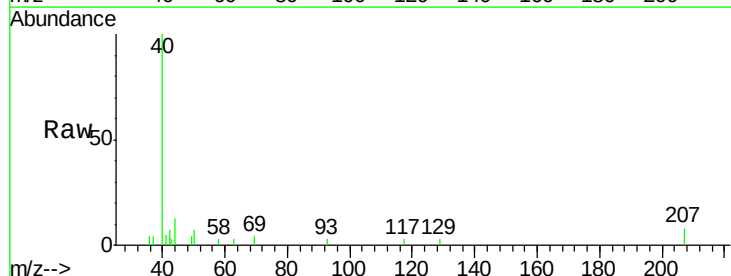
Instrument :
MSVOA_W
ClientSampleId :
SUP-7B-G-4-031119

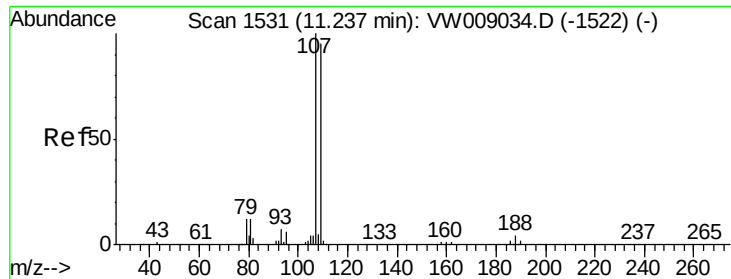
Tot Ion: 43 Resp: 90
Ion Ratio Lower Upper
43 100
58 48.9 25.3 75.9



#60
Dibromochloromethane
Concen: 1.622 ug/l
RT: 11.25 min Scan# 1533
Delta R.T. 0.12 min
Lab File: VW009110.D
Acq: 12 Mar 2019 03:31

Tgt Ion: 129 Resp: 20
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.1#

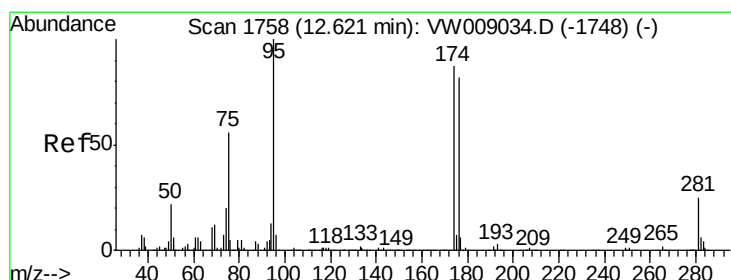
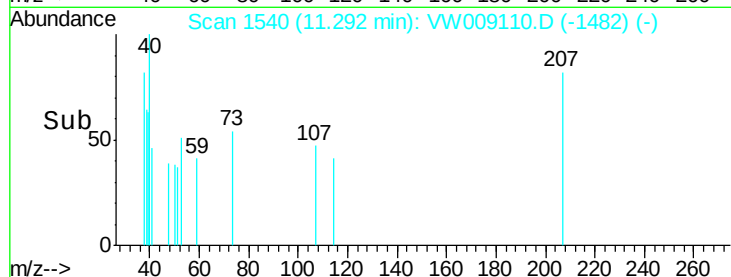
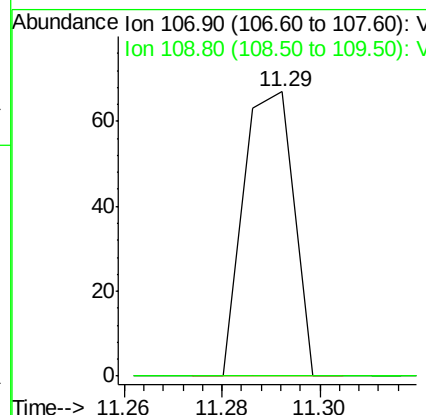
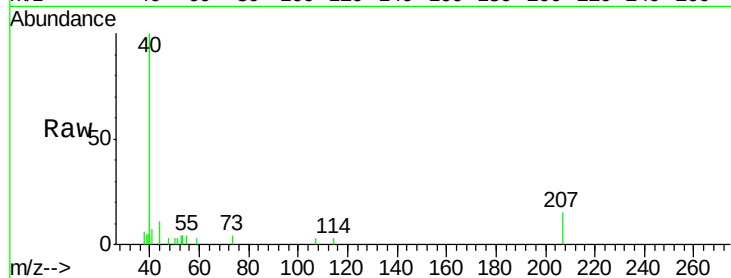




#61
 1,2-Dibromoethane
 Concen: 4.913 ug/l
 RT: 11.29 min Scan# 1540
 Delta R.T. 0.05 min
 Lab File: VW009110.D
 Acq: 12 Mar 2019 03:31

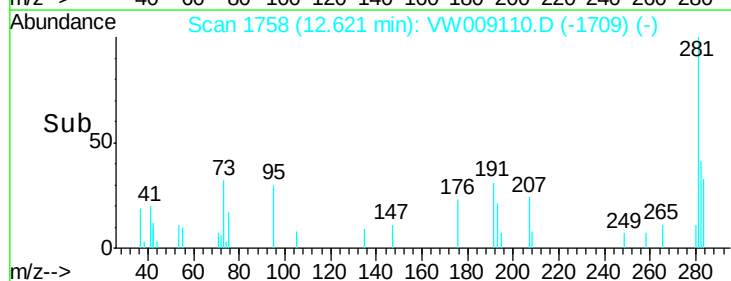
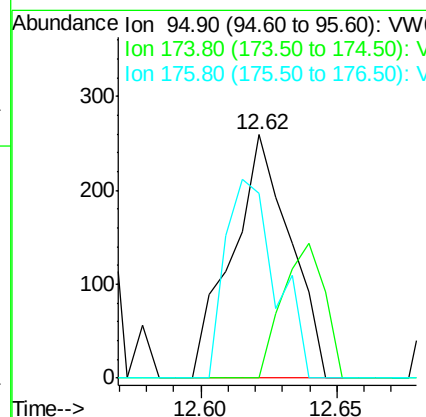
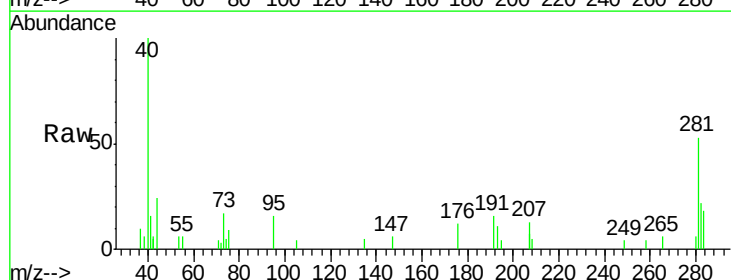
Instrument :
 MSVOA_W
 ClientSampleId :
 SUP-7B-G-4-031119

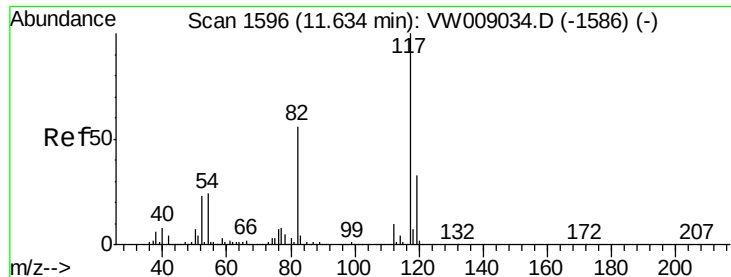
Tot Ion:107 Resp: 48
 Ion Ratio Lower Upper
 107 100
 109 0.0 74.7 112.1#



#62
 4-Bromofluorobenzene
 Concen: 20.374 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW009110.D
 Acq: 12 Mar 2019 03:31

Tgt Ion: 95 Resp: 382
 Ion Ratio Lower Upper
 95 100
 174 0.0 0.0 167.0
 176 70.9 0.0 159.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.64 min Scan# 1597

Delta R.T. 0.01 min

Lab File: VW009110.D

Acq: 12 Mar 2019 03:31

Instrument :

MSVOA_W

ClientSampleId :

SUP-7B-G-4-031119

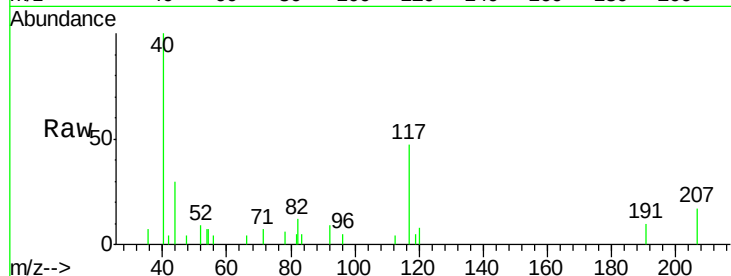
Tot Ion:117 Resp: 996

Ion Ratio Lower Upper

117 100

82 24.7 45.0 67.6#

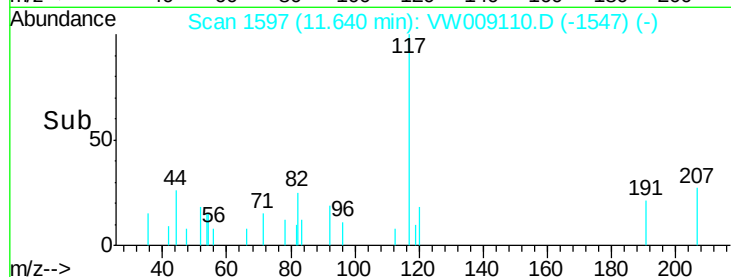
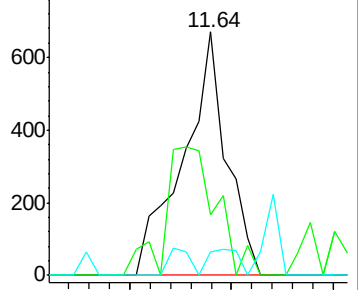
119 9.8 26.6 39.8#



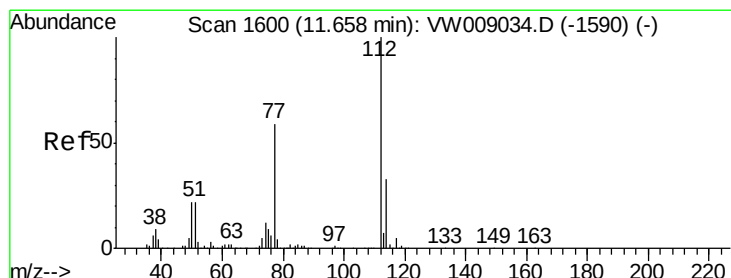
Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): V



Time-->



#65

Chlorobenzene

Concen: 1.476 ug/l

RT: 11.67 min Scan# 1602

Delta R.T. 0.01 min

Lab File: VW009110.D

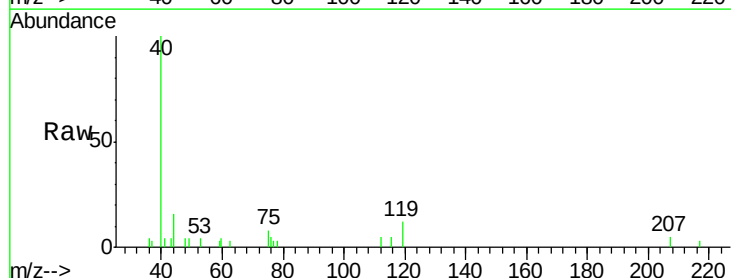
Acq: 12 Mar 2019 03:31

Tgt Ion:112 Resp: 32

Ion Ratio Lower Upper

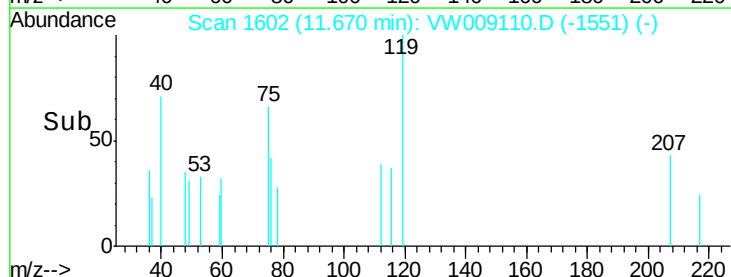
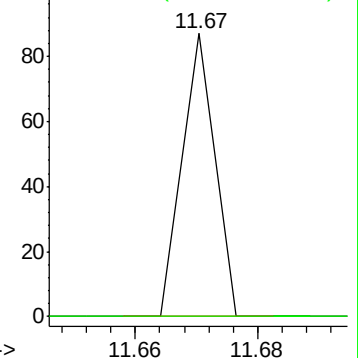
112 100

114 0.0 26.6 40.0#

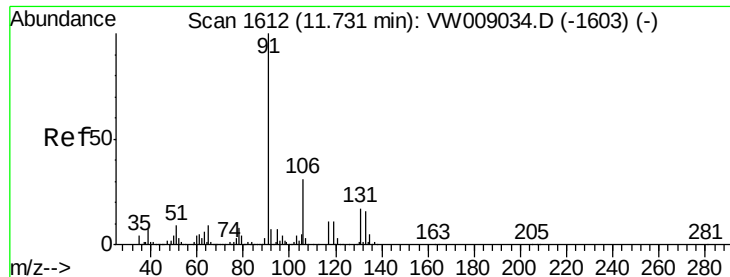


Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



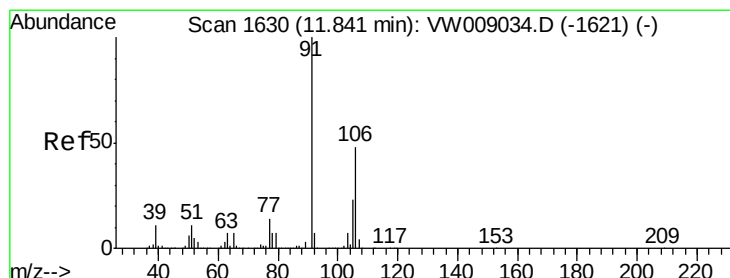
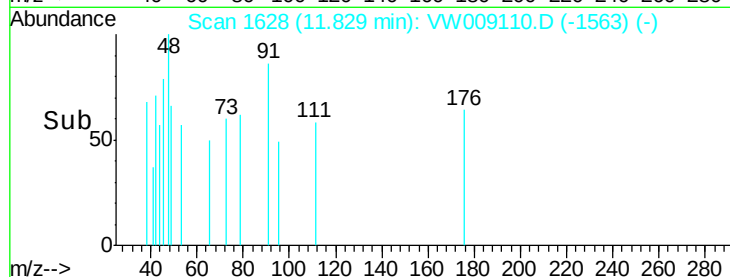
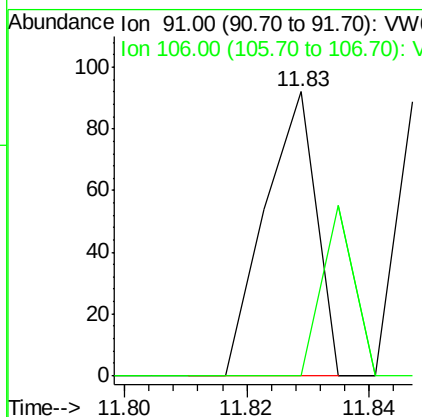
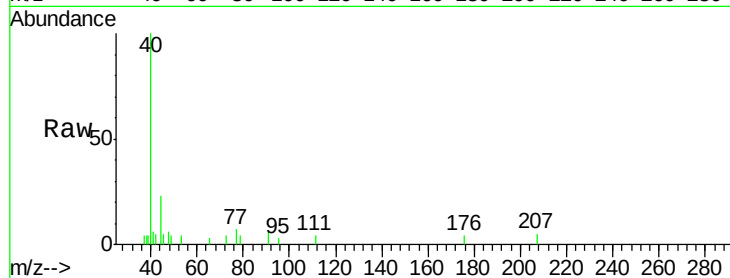
Time-->



#67
Ethyl Benzene
Concen: 1.353 ug/l
RT: 11.83 min Scan# 1628
Delta R.T. 0.10 min
Lab File: VW009110.D
Acq: 12 Mar 2019 03:31

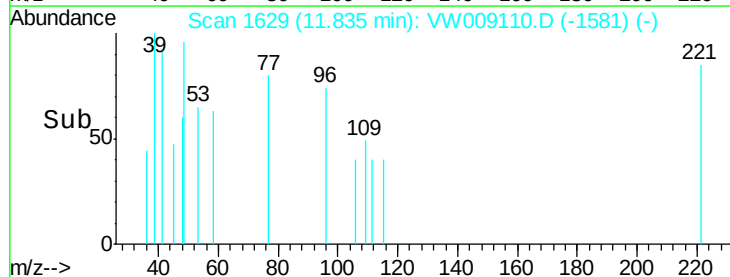
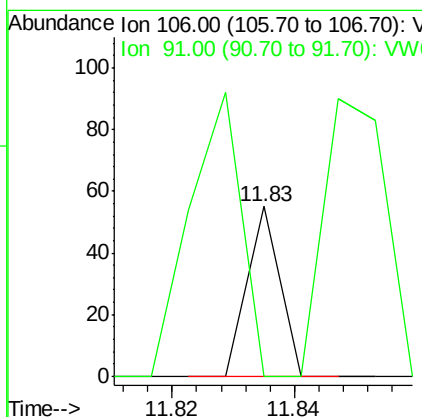
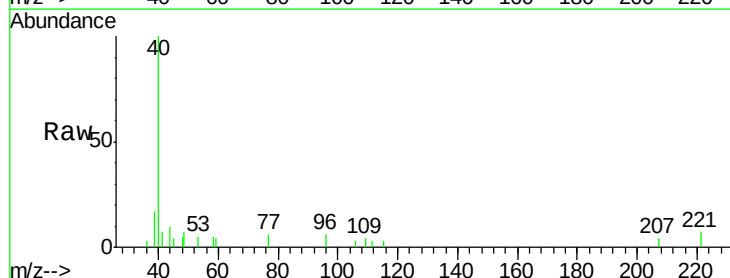
Instrument :
MSVOA_W
ClientSampleId :
SUP-7B-G-4-031119

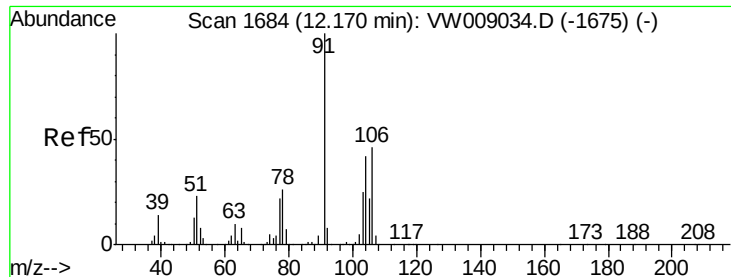
Tot Ion: 91 Resp: 53
Ion Ratio Lower Upper
91 100
106 0.0 25.0 37.4#



#68
m/p-Xylenes
Concen: 1.294 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW009110.D
Acq: 12 Mar 2019 03:31

Tgt Ion: 106 Resp: 20
Ion Ratio Lower Upper
106 100
91 265.0 163.2 244.8#

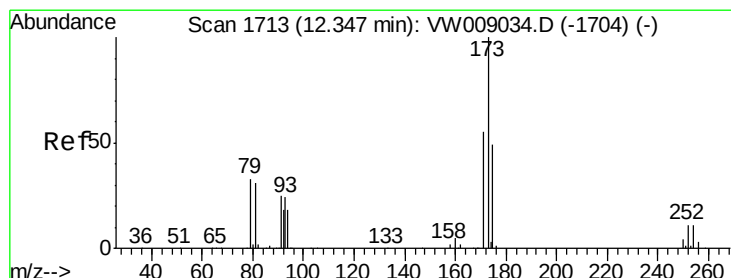
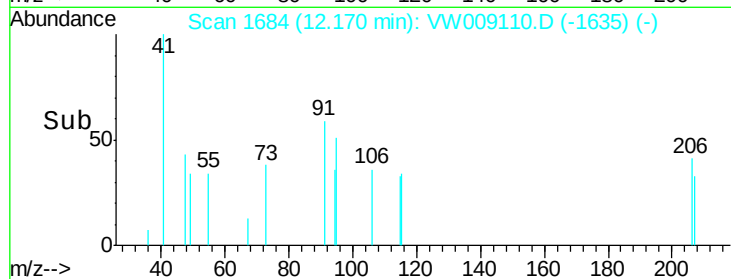
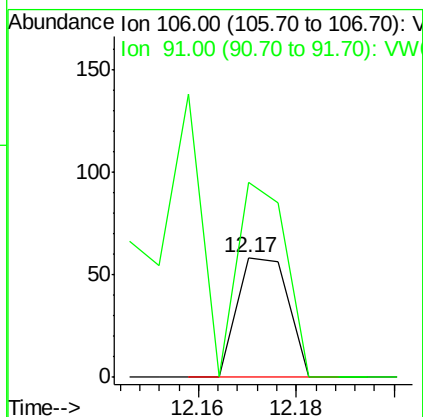
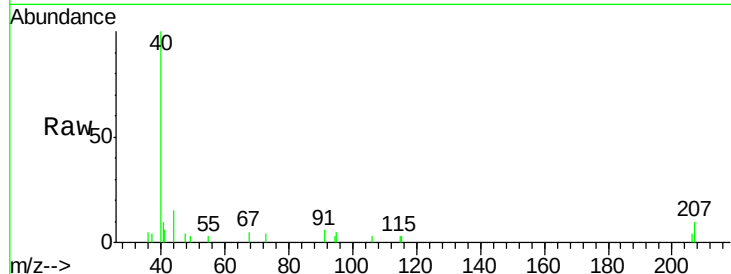




#69
o-Xylene
Concen: 2.920 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW009110.D
Acq: 12 Mar 2019 03:31

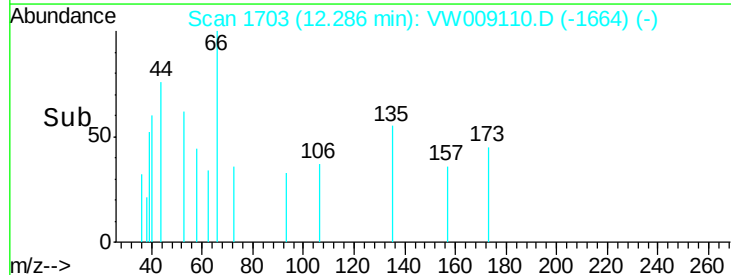
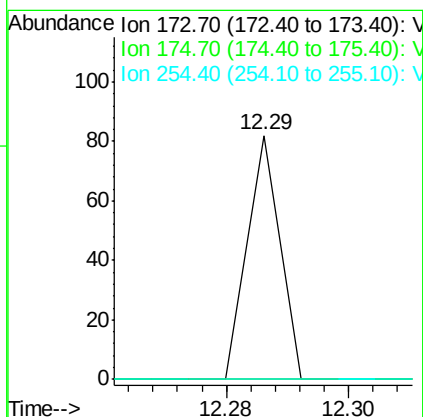
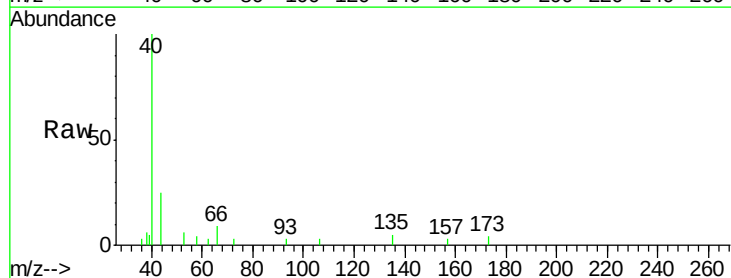
Instrument :
MSVOA_W
ClientSampleId :
SUP-7B-G-4-031119

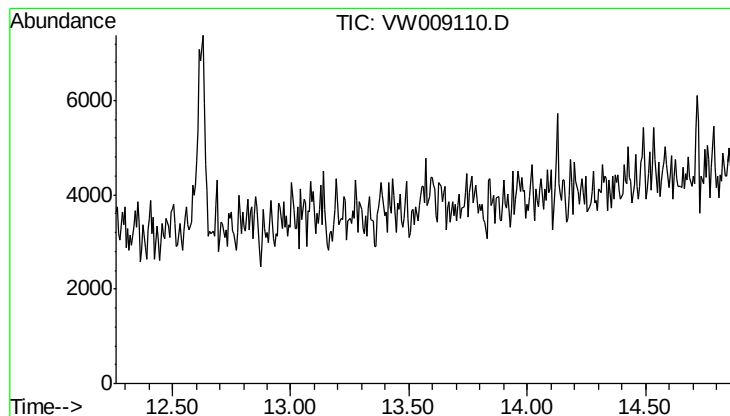
Tot Ion:106 Resp: 42
Ion Ratio Lower Upper
106 100
91 223.8 108.6 325.6



#71
Bromoform
Concen: 7.719 ug/l
RT: 12.29 min Scan# 1703
Delta R.T. -0.06 min
Lab File: VW009110.D
Acq: 12 Mar 2019 03:31

Tgt Ion:173 Resp: 30
Ion Ratio Lower Upper
173 100
175 0.0 24.6 74.0#
254 0.0 0.0 0.0





#72
 1,4-Dichlorobenzene-d4
 Concen: 0.000 ug/l
 Expected RT: 13.56 min
 Lab File: VW009110.D
 Acq: 12 Mar 2019 03:31

Instrument :
 MSVOA_W
 ClientSampleId :
 SUP-7B-G-4-031119

Tot Ion: 152
 Sig Exp Ratio
 152 100
 115 57.8
 150 174.6

