

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW031119\
 Data File : VW009113.D
 Acq On : 12 Mar 2019 04:51
 Operator : SY/VA
 Sample : K1847-07
 Misc : 7.49G/5ML/MSVOA_W/SOIL
 ALS Vial : 42 Sample Multiplier: 1

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

Quant Time: Mar 12 08:19:35 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	4588	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	6727	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	4773	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	679	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	3307	71.64	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	143.28%	
35) Dibromofluoromethane	7.88	113	2444	60.34	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	120.68%	
50) Toluene-d8	10.33	98	8679	52.17	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	104.34%	
62) 4-Bromofluorobenzene	12.63	95	1292	19.73	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	39.46%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.22	50	175	2.979	ug/l #	84
6) Chloroethane	2.93	64	217	5.113	ug/l #	43
8) Diethyl Ether	3.70	74	94	4.005	ug/l	55
10) Methyl Iodide	4.43	142	70	4.451	ug/l #	40
11) Tert butyl alcohol	5.16	59	57	16.114	ug/l #	17
13) Acrolein	3.94	56	40	10.276	ug/l #	14
15) Acrylonitrile	5.35	53	164	16.011	ug/l #	16
16) Acetone	4.13	43	424	40.705	ug/l	99
18) Methyl Acetate	4.68	43	211	8.809	ug/l #	54
20) Methylene Chloride	4.91	84	576	7.099	ug/l #	76
21) trans-1,2-Dichloroethene	5.51	96	57	1.197	ug/l #	1
25) 2-Butanone	7.18	43	84	5.835	ug/l #	50
27) cis-1,2-Dichloroethene	7.18	96	109	2.132	ug/l #	3
28) Bromochloromethane	7.55	49	67	1.921	ug/l #	14
29) Tetrahydrofuran	7.54	42	265	29.212	ug/l #	36
37) Ethyl Acetate	7.24	43	129	3.904	ug/l #	71
38) Carbon Tetrachloride	7.94	117	781	10.751	ug/l #	13
41) Methacrylonitrile	7.50	41	378	20.603	ug/l #	35
46) Dibromomethane	9.34	93	30	1.168	ug/l #	3
47) Bromodichloromethane	9.56	83	116	1.784	ug/l #	26
48) Methyl methacrylate	9.46	41	236	8.237	ug/l #	44
49) 1,4-Dioxane	9.26	88	58	157.703	ug/l #	1
51) 4-Methyl-2-Pentanone	10.21	43	236	7.555	ug/l	93
52) Toluene	10.40	92	502	3.942	ug/l	92
53) t-1,3-Dichloropropene	10.55	75	74	1.151	ug/l #	45
58) 2-Chloroethyl Vinyl ether	9.91	63	23	1.027	ug/l #	46
59) 2-Hexanone	11.19	43	100	4.553	ug/l	98
60) Dibromochloromethane	11.10	129	63	1.462	ug/l #	11
64) Tetrachloroethene	10.75	164	71	2.063	ug/l #	19
74) N-amyl acetate	12.30	43	47	4.083	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.78	83	64	8.344	ug/l #	66
76) 1,2,3-Trichloropropane	12.73	75	25	4.660	ug/l	25
77) Bromobenzene	12.95	156	44	3.960	ug/l #	4
78) n-propylbenzene	12.82	91	131	2.187	ug/l #	53

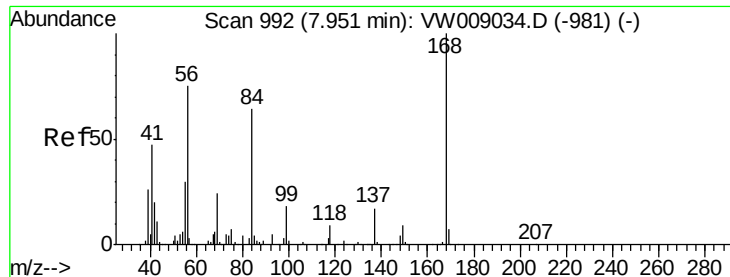
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW031119\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
79) 2-Chlorotoluene	12.82	91	131	3.893	ug/l	76
81) trans-1,4-Dichloro-2-buten	12.49	75	44	18.345	ug/l #	63
82) 4-Chlorotoluene	12.82	91	131	3.652	ug/l	76
87) 1,3-Dichlorobenzene	13.68	146	24	1.028	ug/l #	25
88) 1,4-Dichlorobenzene	13.68	146	24	1.040	ug/l #	25
90) Hexachloroethane	14.17	117	24	2.970	ug/l #	10
91) 1,2-Dichlorobenzene	13.88	146	45	2.184	ug/l #	58
92) 1,2-Dibromo-3-Chloropropan	14.49	75	22	16.105	ug/l #	3
95) Naphthalene	15.35	128	55	2.415	ug/l #	68
96) 1,2,3-Trichlorobenzene	15.72	180	23	1.880	ug/l #	12

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW009113.D

Acq: 12 Mar 2019 04:51

Instrument :

MSVOA_W

ClientSampleId :

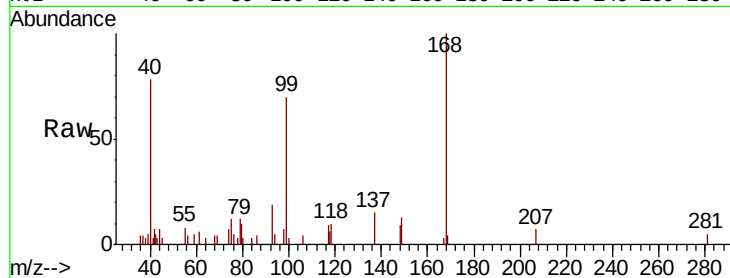
SUP-7B-G-7-031119

Tgt Ion:168 Resp: 4588

Ion Ratio Lower Upper

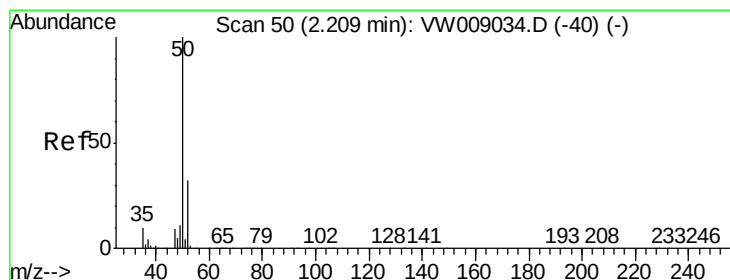
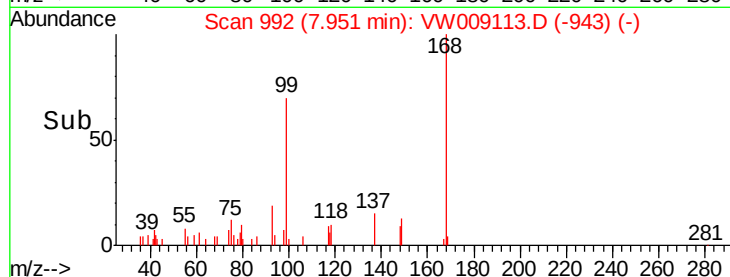
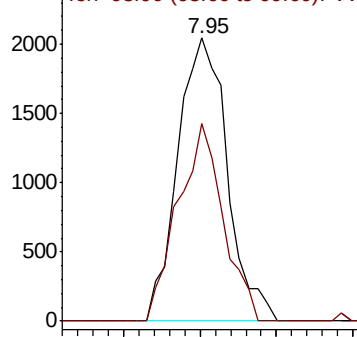
168 100

99 69.7 42.2 63.2#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#3

Chloromethane

Concen: 2.979 ug/l

RT: 2.22 min Scan# 52

Delta R.T. 0.01 min

Lab File: VW009113.D

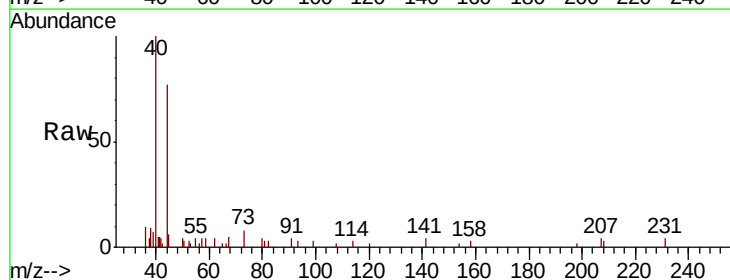
Acq: 12 Mar 2019 04:51

Tgt Ion: 50 Resp: 175

Ion Ratio Lower Upper

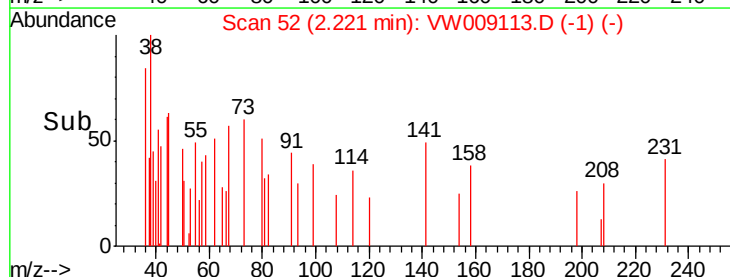
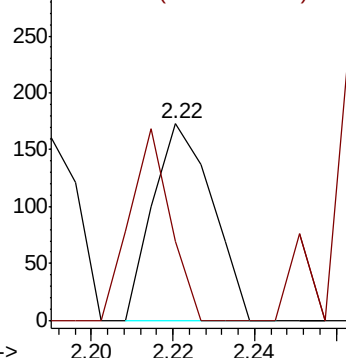
50 100

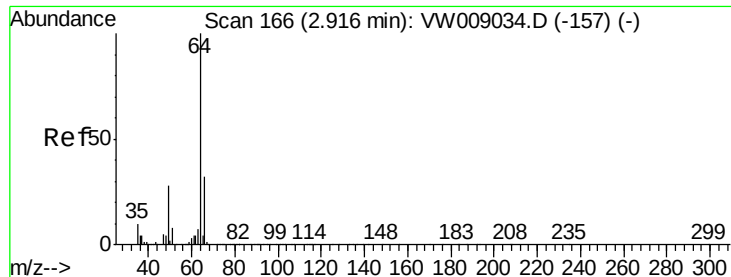
52 40.5 25.4 38.2#



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW





#6

Chloroethane

Concen: 5.113 ug/l

RT: 2.93 min Scan# 169

Delta R.T. 0.02 min

Lab File: VW009113.D

Acq: 12 Mar 2019 04:51

Instrument :

MSVOA_W

ClientSampleId :

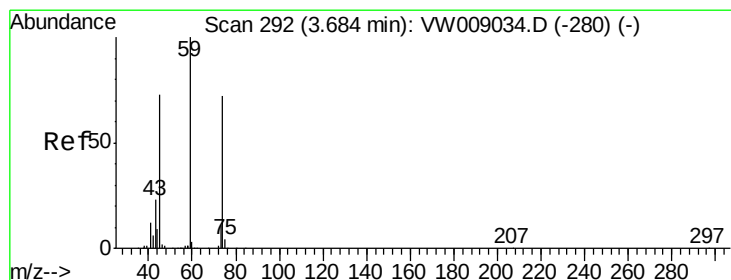
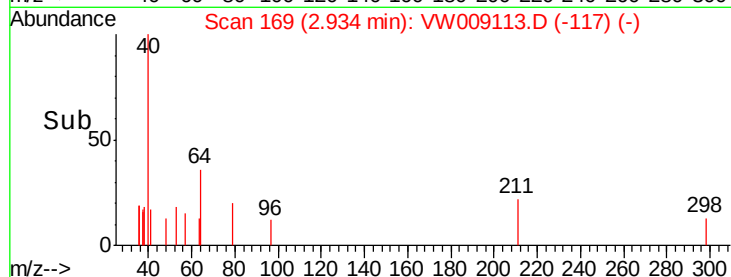
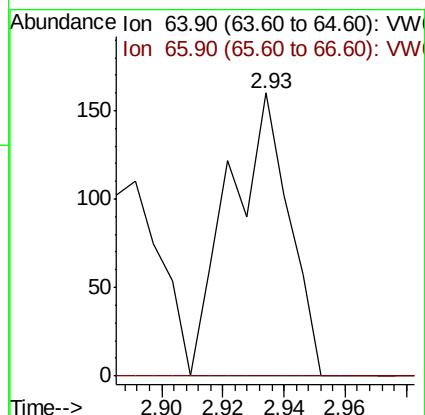
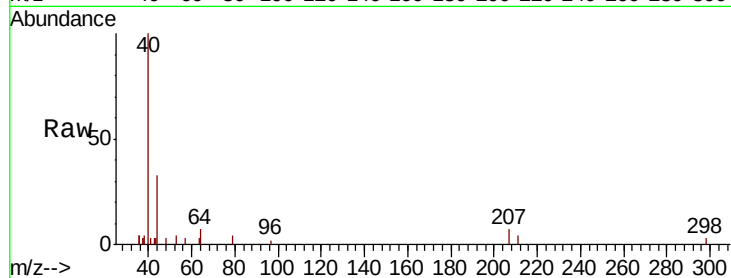
SUP-7B-G-7-031119

Tgt Ion: 64 Resp: 217

Ion Ratio Lower Upper

64 100

66 0.0 25.5 38.3#



#8

Diethyl Ether

Concen: 4.005 ug/l

RT: 3.70 min Scan# 294

Delta R.T. 0.01 min

Lab File: VW009113.D

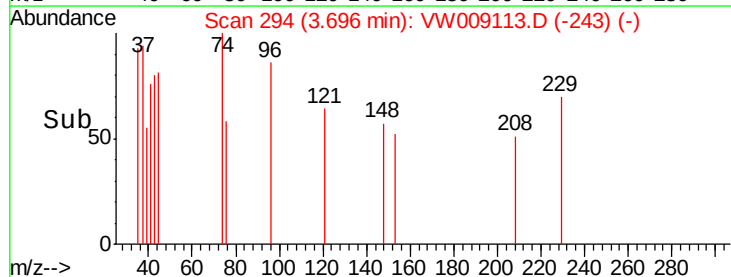
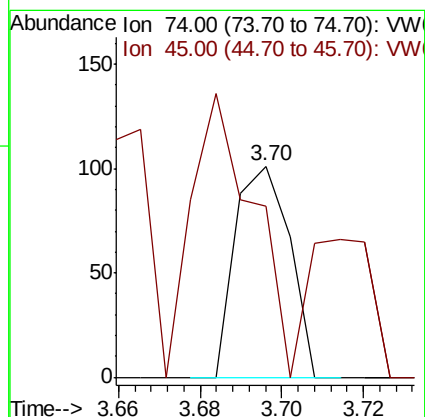
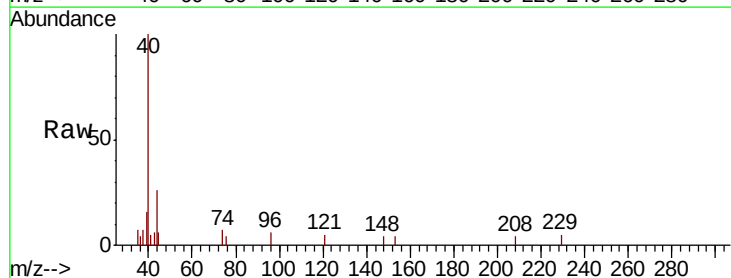
Acq: 12 Mar 2019 04:51

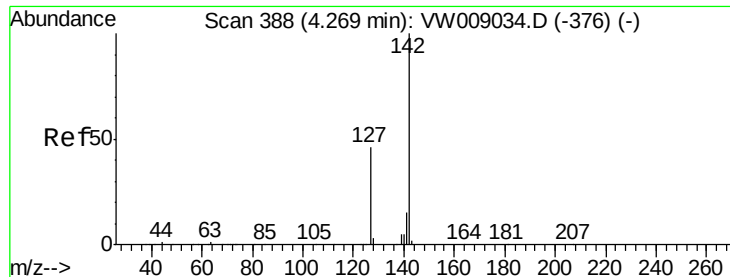
Tgt Ion: 74 Resp: 94

Ion Ratio Lower Upper

74 100

45 151.1 52.3 157.1

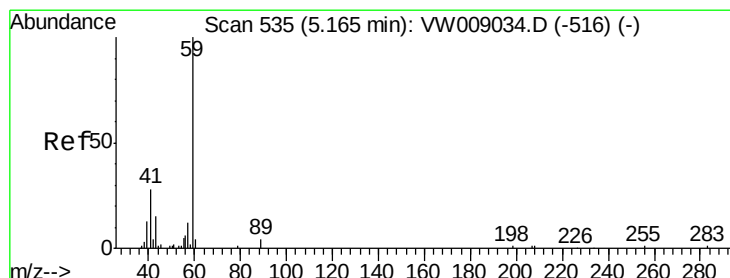
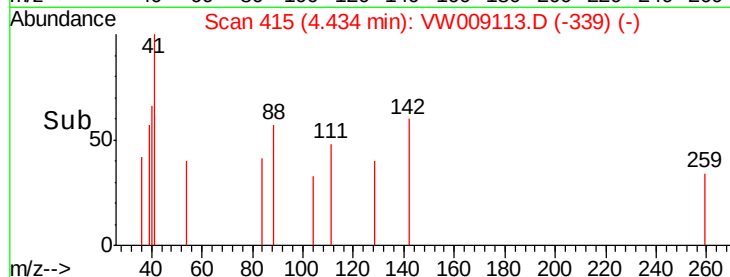
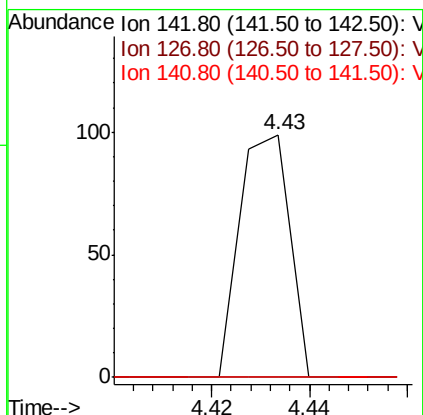
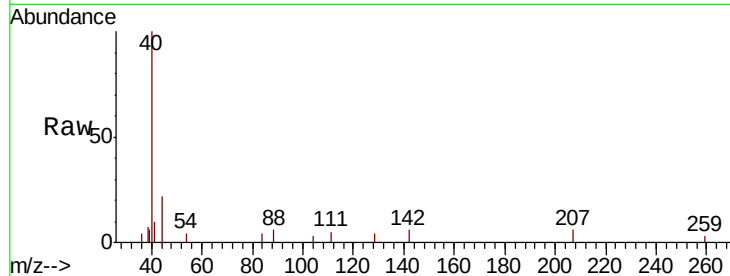




#10
Methyl Iodide
Concen: 4.451 ug/l
RT: 4.43 min Scan# 415
Delta R.T. 0.16 min
Lab File: VW009113.D
Acq: 12 Mar 2019 04:51

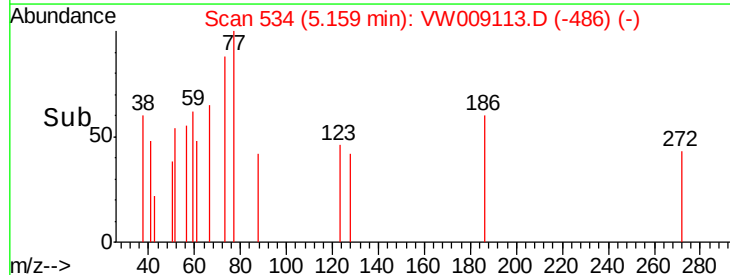
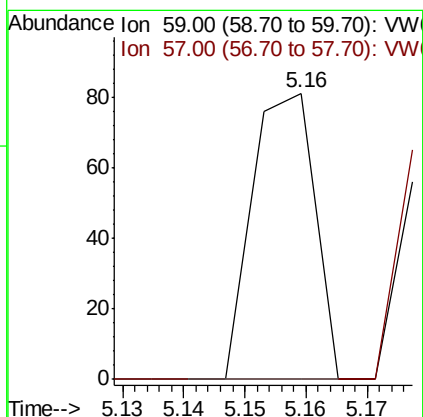
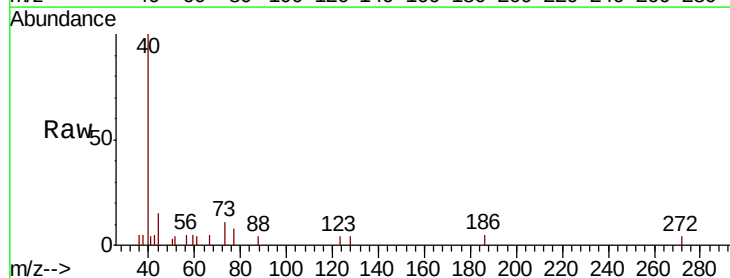
Instrument :
MSVOA_W
ClientSampleId :
SUP-7B-G-7-031119

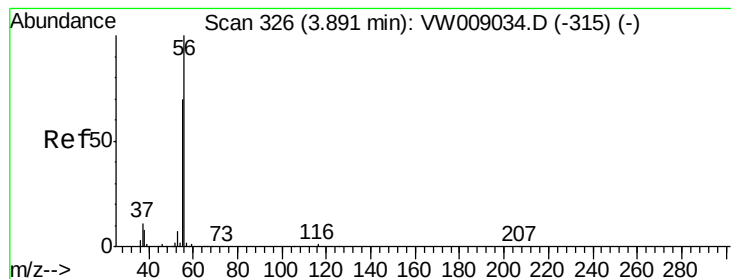
Tgt Ion	Ratio	Lower	Upper
142	100		
127	0.0	35.8	53.6#
141	0.0	11.8	17.8#



#11
Tert butyl alcohol
Concen: 16.114 ug/l
RT: 5.16 min Scan# 534
Delta R.T. -0.01 min
Lab File: VW009113.D
Acq: 12 Mar 2019 04:51

Tgt Ion	Ratio	Lower	Upper
59	100		
57	42.1	8.6	12.8#





#13

Acrolein

Concen: 10.276 ug/l

RT: 3.94 min Scan# 334

Delta R.T. 0.05 min

Lab File: VW009113.D

Acq: 12 Mar 2019 04:51

Instrument :

MSVOA_W

ClientSampleId :

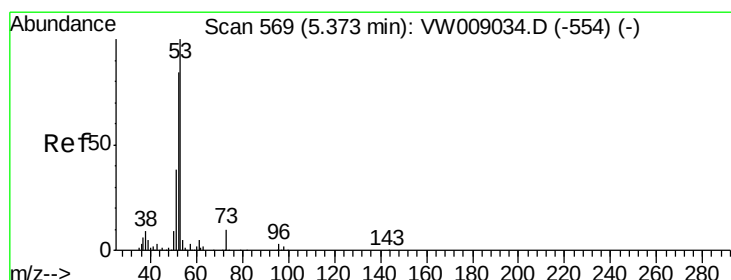
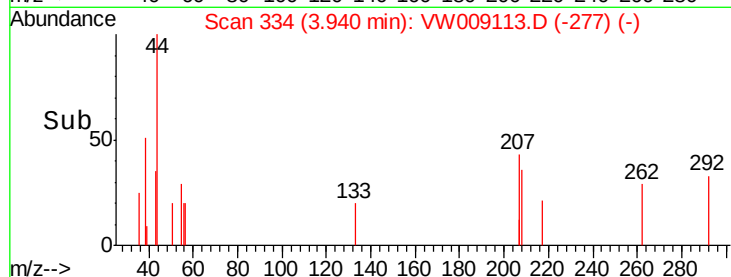
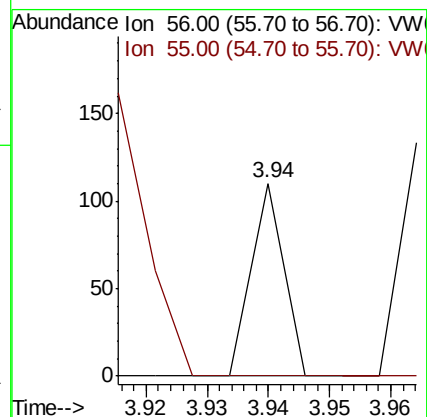
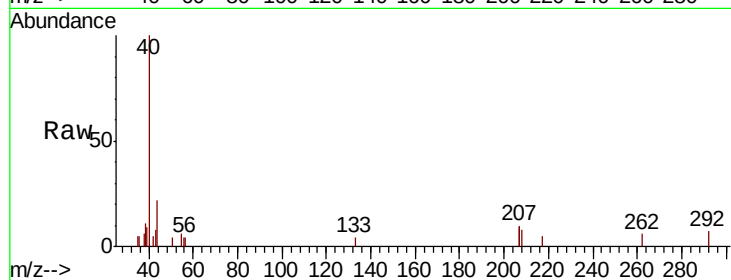
SUP-7B-G-7-031119

Tgt Ion: 56 Resp: 40

Ion Ratio Lower Upper

56 100

55 0.0 56.6 84.8#



#15

Acrylonitrile

Concen: 16.011 ug/l

RT: 5.35 min Scan# 566

Delta R.T. -0.02 min

Lab File: VW009113.D

Acq: 12 Mar 2019 04:51

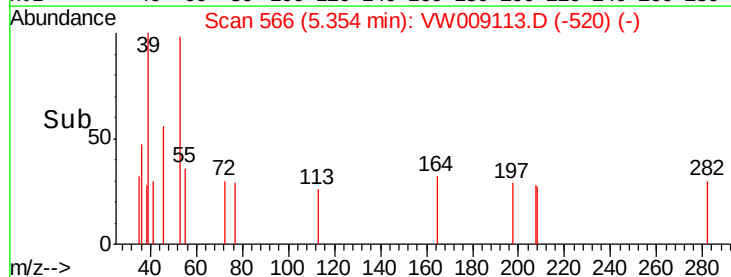
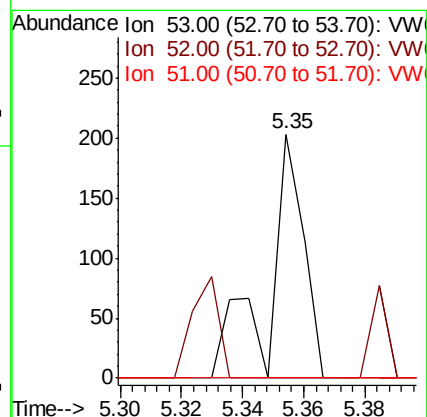
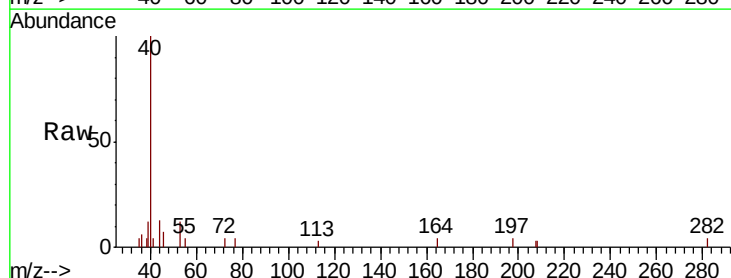
Tgt Ion: 53 Resp: 164

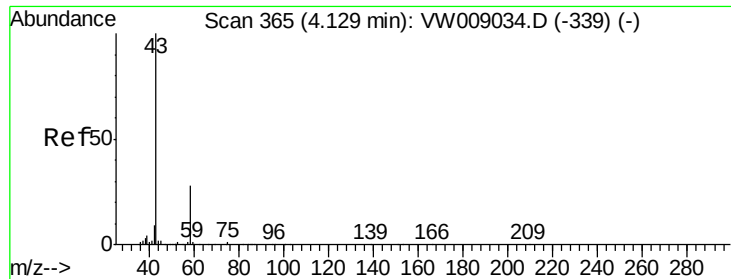
Ion Ratio Lower Upper

53 100

52 0.0 67.2 100.8#

51 0.0 31.8 47.6#





#16

Acetone

Concen: 40.705 ug/l

RT: 4.13 min Scan# 365

Delta R.T. -0.00 min

Lab File: VW009113.D

Acq: 12 Mar 2019 04:51

Instrument :

MSVOA_W

ClientSampleId :

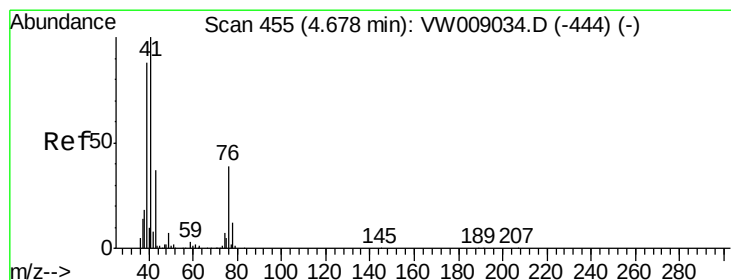
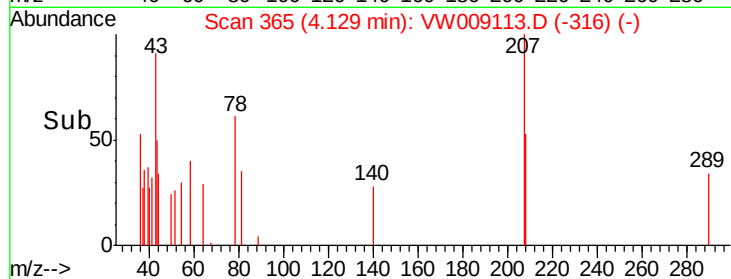
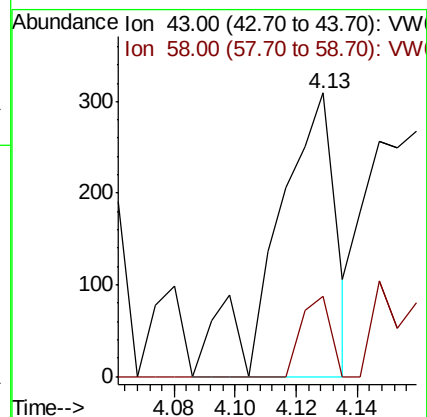
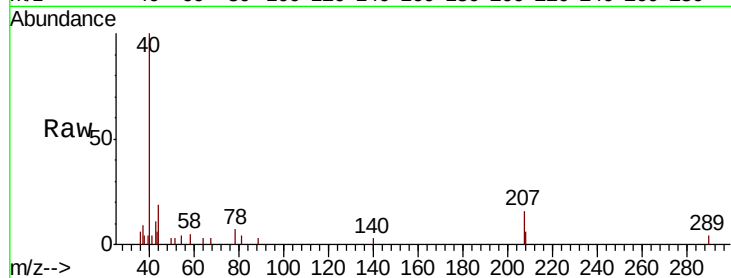
SUP-7B-G-7-031119

Tgt Ion: 43 Resp: 424

Ion Ratio Lower Upper

43 100

58 28.5 22.5 33.7



#18

Methyl Acetate

Concen: 8.809 ug/l

RT: 4.68 min Scan# 456

Delta R.T. 0.01 min

Lab File: VW009113.D

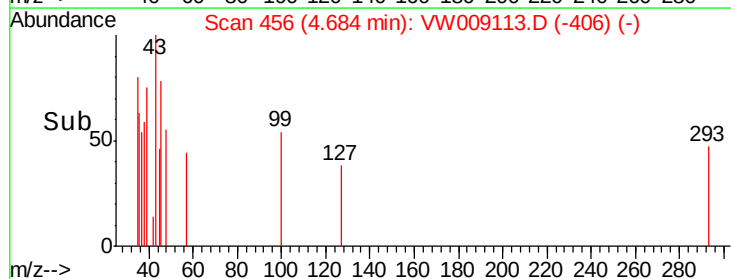
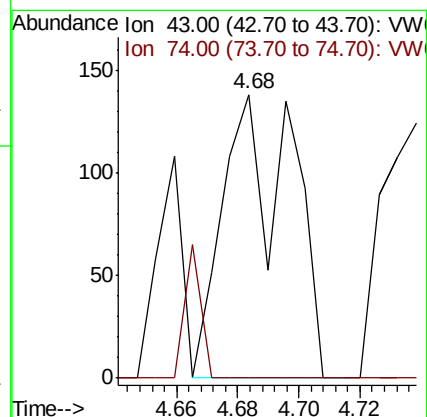
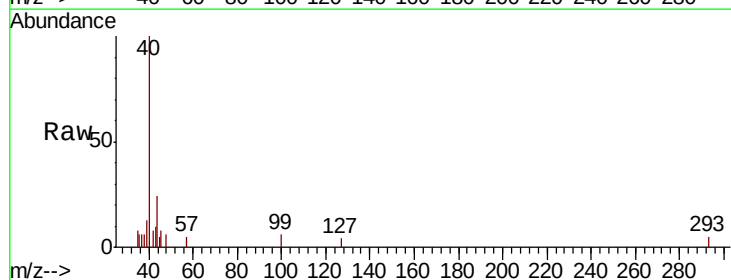
Acq: 12 Mar 2019 04:51

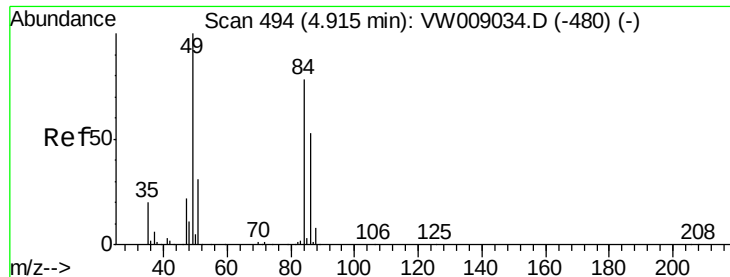
Tgt Ion: 43 Resp: 211

Ion Ratio Lower Upper

43 100

74 0.0 17.6 26.4#





#20

Methylene Chloride

Concen: 7.099 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW009113.D

Acq: 12 Mar 2019 04:51

Instrument :

MSVOA_W

ClientSampleId :

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Tgt Ion: 84 Resp: 576

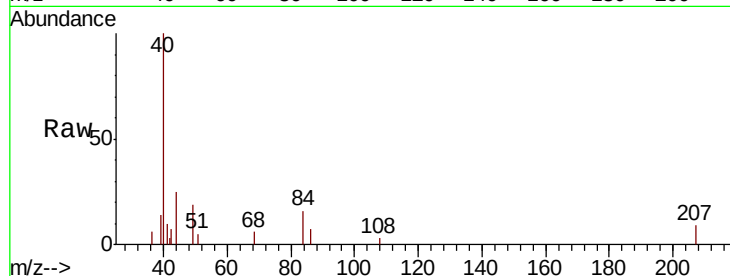
Ion Ratio Lower Upper

84 100

49 119.3 102.4 153.6

51 0.0 31.6 47.4#

86 41.3 54.5 81.7#

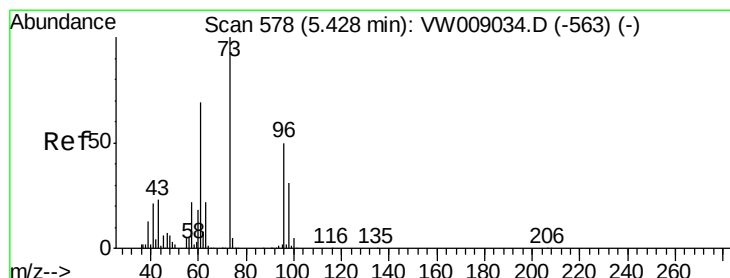
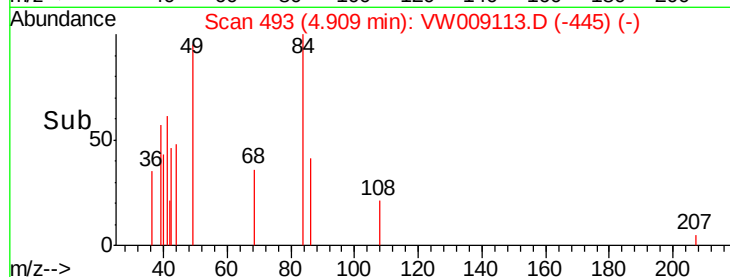
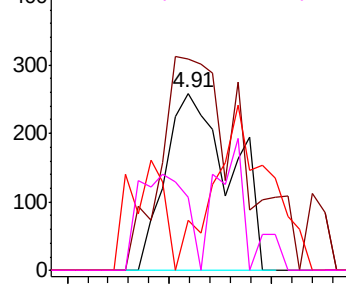


Abundance Ion 83.90 (83.60 to 84.60): VW

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: 1.197 ug/l

RT: 5.51 min Scan# 591

Delta R.T. 0.08 min

Lab File: VW009113.D

Acq: 12 Mar 2019 04:51

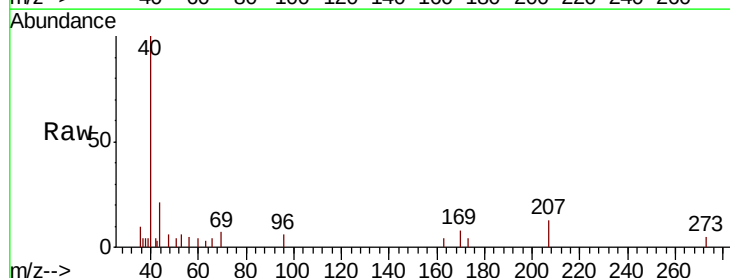
Tgt Ion: 96 Resp: 57

Ion Ratio Lower Upper

96 100

61 0.0 111.0 166.6#

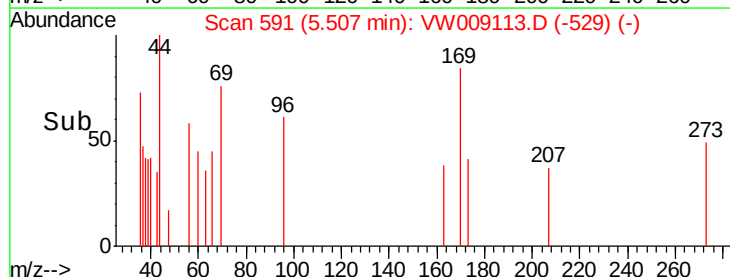
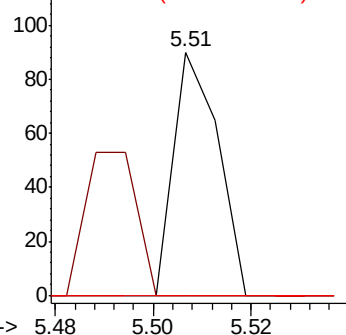
98 0.0 49.4 74.0#

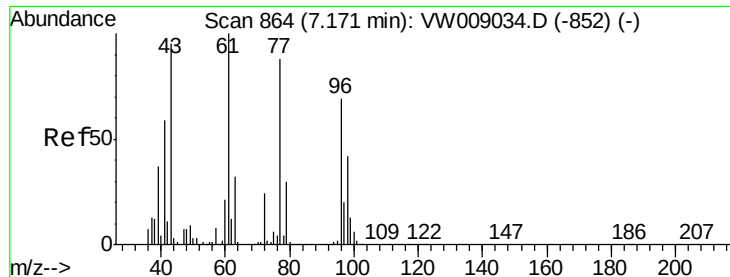


Abundance Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW





#25

2-Butanone

Concen: 5.835 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW009113.D

Acq: 12 Mar 2019 04:51

Instrument :

MSVOA_W

ClientSampleId :

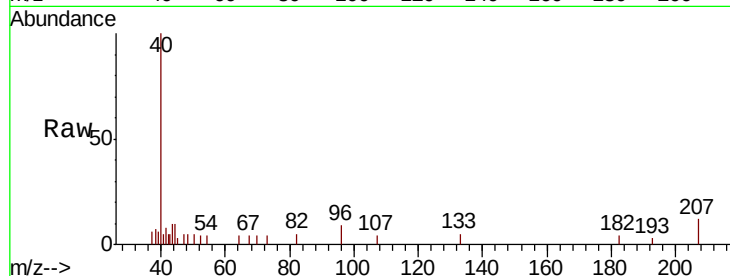
SUP-7B-G-7-031119

Tgt Ion: 43 Resp: 84

Ion Ratio Lower Upper

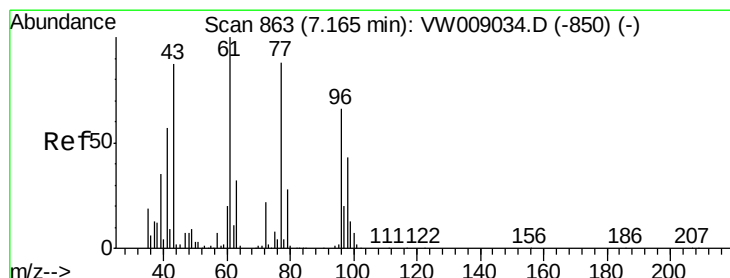
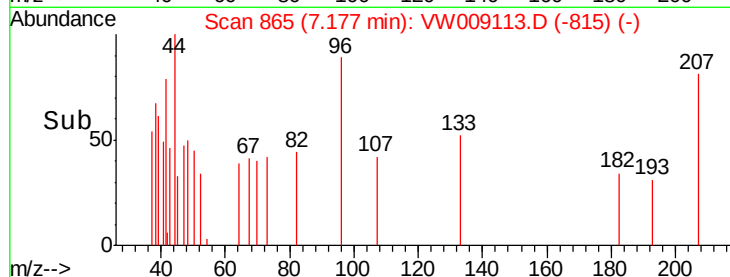
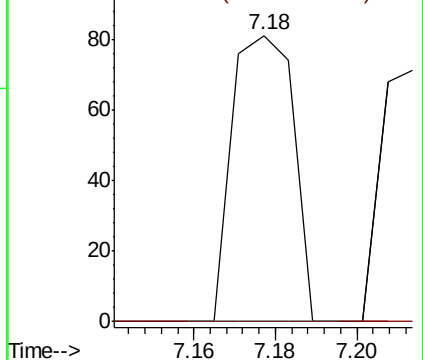
43 100

72 0.0 20.0 30.0#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#27

cis-1,2-Dichloroethene

Concen: 2.132 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW009113.D

Acq: 12 Mar 2019 04:51

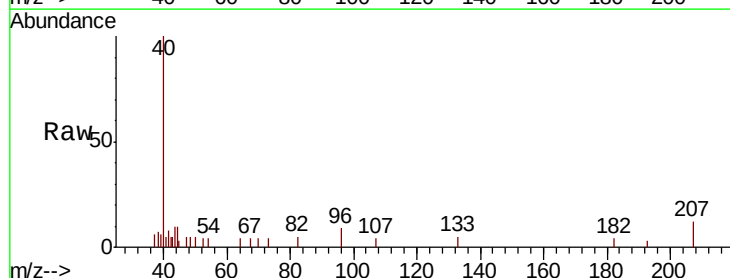
Tgt Ion: 96 Resp: 109

Ion Ratio Lower Upper

96 100

61 18.3 0.0 299.8

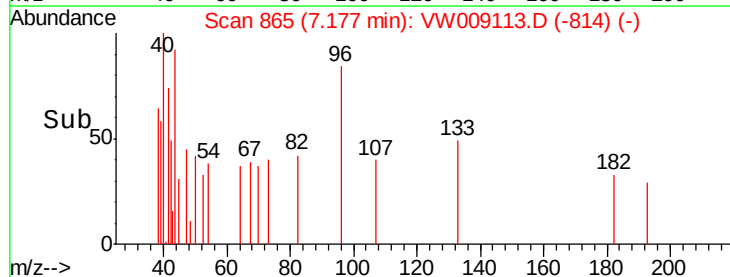
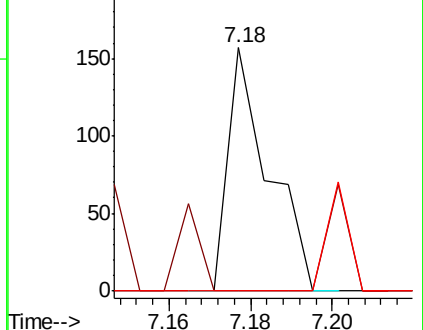
98 0.0 0.0 127.2

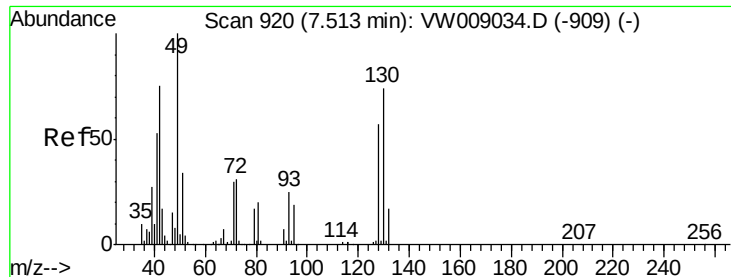


Abundance Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW





#28

Bromochloromethane

Concen: 1.921 ug/l

RT: 7.55 min Scan# 926

Delta R.T. 0.04 min

Lab File: VW009113.D

Acq: 12 Mar 2019 04:51

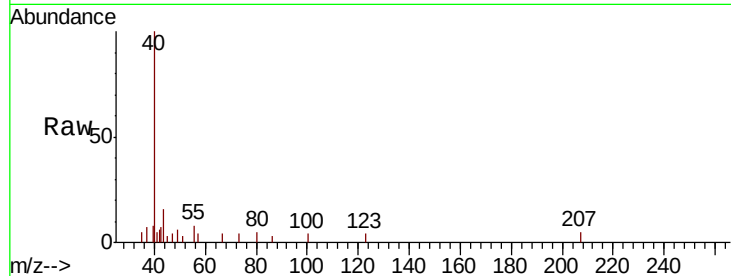
Instrument :

MSVOA_W

ClientSampleId :

SUP-7B-G-7-031119

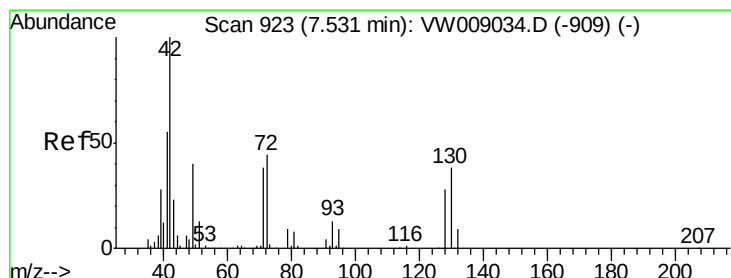
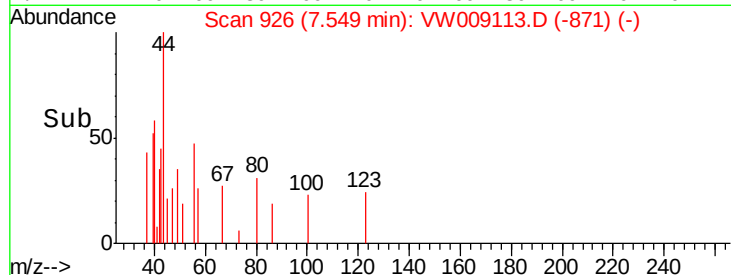
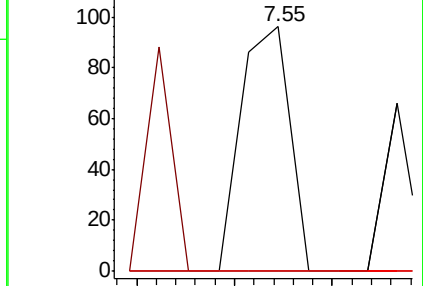
Tgt Ion:	49	Resp:	67
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.6
130	0.0	60.4	90.6#



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: 29.212 ug/l

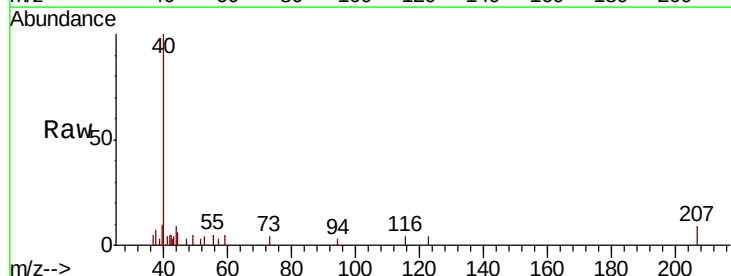
RT: 7.54 min Scan# 925

Delta R.T. 0.01 min

Lab File: VW009113.D

Acq: 12 Mar 2019 04:51

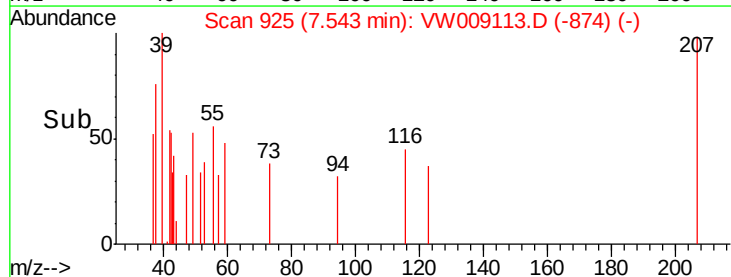
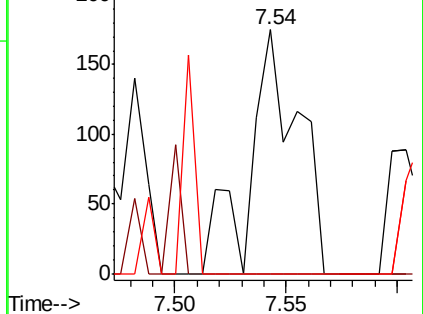
Tgt Ion:	42	Resp:	265
Ion	Ratio	Lower	Upper
42	100		
72	0.0	32.2	48.4#
71	0.0	30.7	46.1#

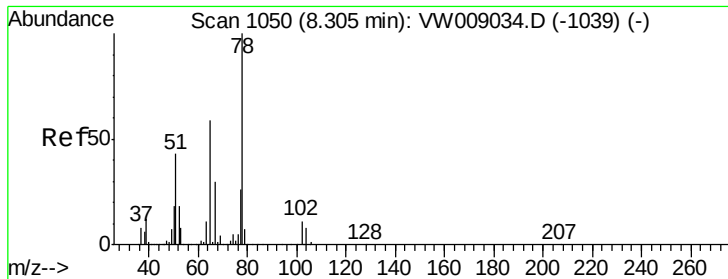


Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW

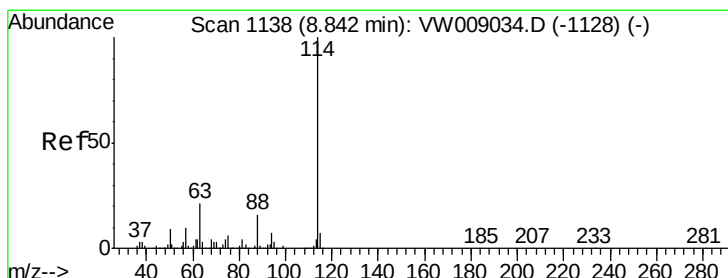
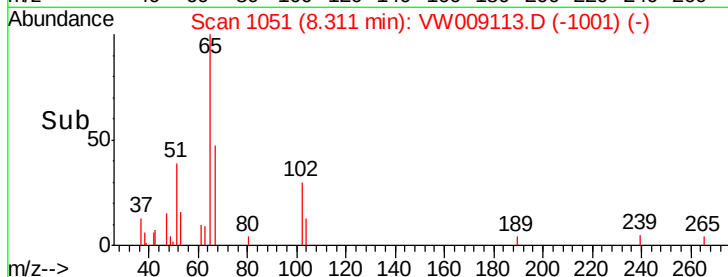
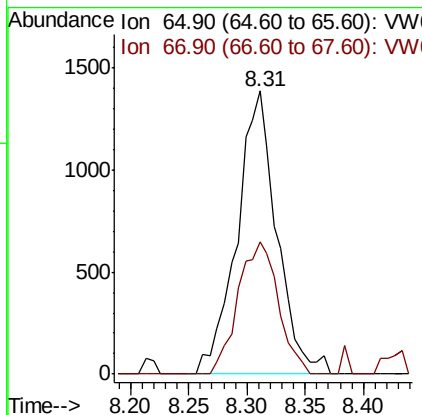
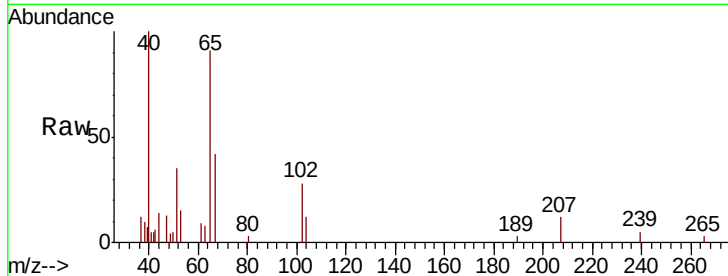




#33
 1,2-Dichloroethane-d4
 Concen: 71.643 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. 0.01 min
 Lab File: VW009113.D
 Acq: 12 Mar 2019 04:51

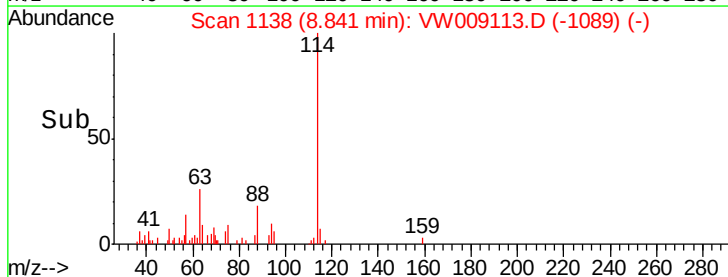
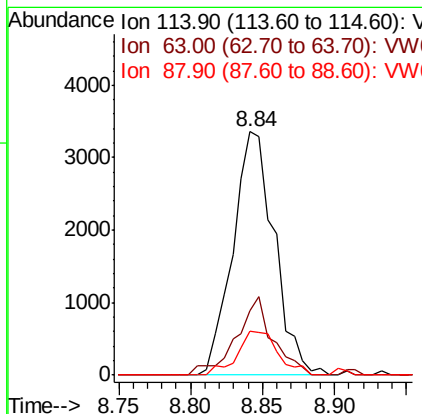
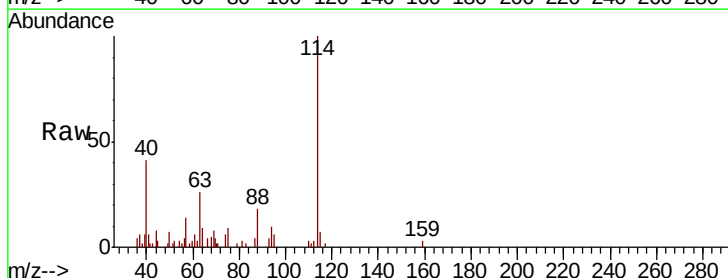
Instrument :
 MSVOA_W
 ClientSampleId :
 SUP-7B-G-7-031119

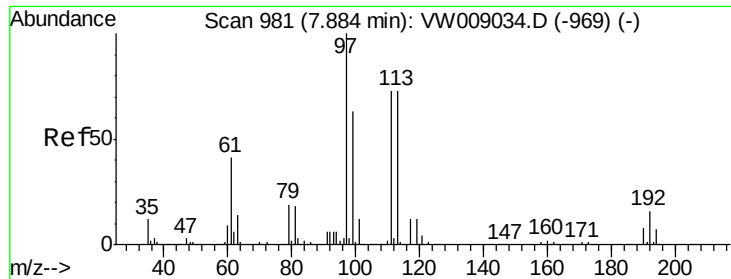
Tgt Ion: 65 Resp: 3307
 Ion Ratio Lower Upper
 65 100
 67 47.0 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW009113.D
 Acq: 12 Mar 2019 04:51

Tgt Ion: 114 Resp: 6727
 Ion Ratio Lower Upper
 114 100
 63 26.4 0.0 41.2
 88 18.0 0.0 31.2

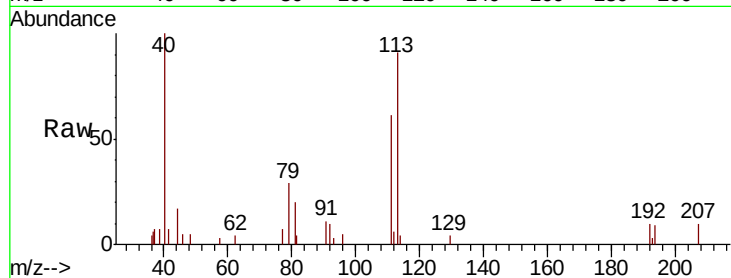




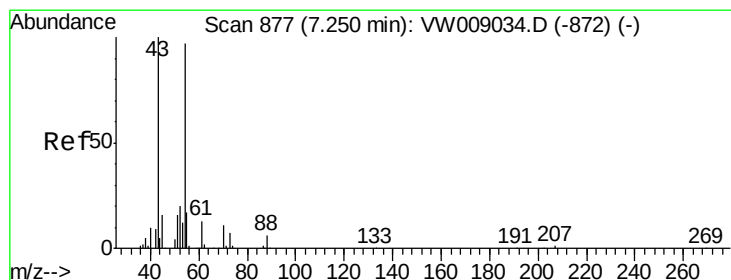
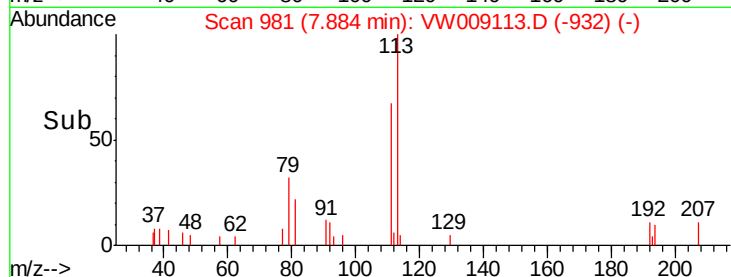
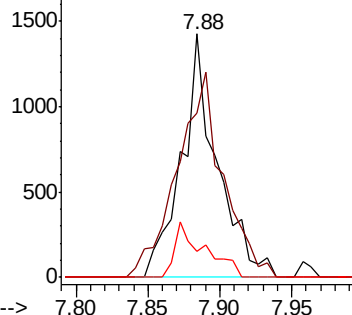
#35
 Dibromofluoromethane
 Concen: 60.342 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW009113.D
 Acq: 12 Mar 2019 04:51

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

Tgt Ion:113 Resp: 2444
 Ion Ratio Lower Upper
 113 100
 111 108.8 81.0 121.4
 192 19.1 17.1 25.7

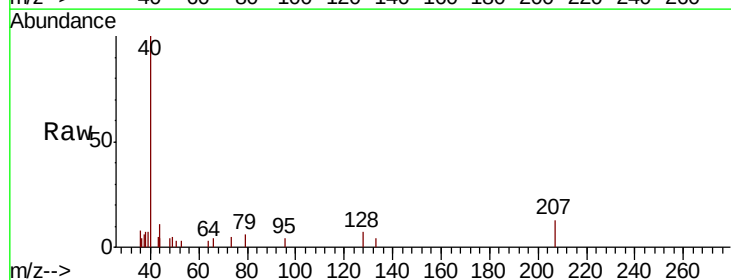


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

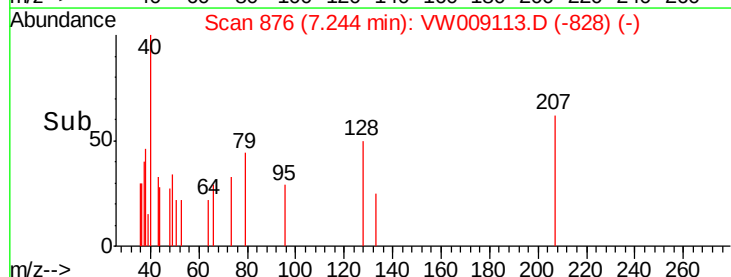
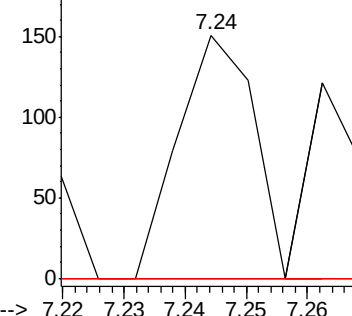


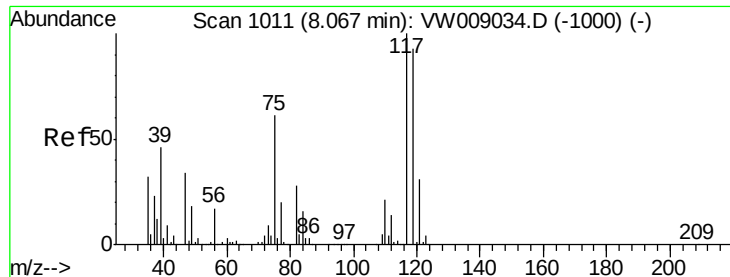
#37
 Ethyl Acetate
 Concen: 3.904 ug/l
 RT: 7.24 min Scan# 876
 Delta R.T. -0.01 min
 Lab File: VW009113.D
 Acq: 12 Mar 2019 04:51

Tgt Ion: 43 Resp: 129
 Ion Ratio Lower Upper
 43 100
 61 0.0 9.8 14.6#
 70 0.0 7.2 10.8#



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





#38

Carbon Tetrachloride

Concen: 10.751 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.13 min

Lab File: VW009113.D

Acq: 12 Mar 2019 04:51

Instrument :

MSVOA_W

ClientSampleId :

SUP-7B-G-7-031119

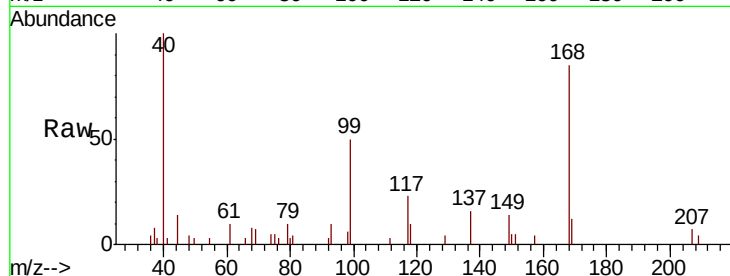
Tgt Ion:117 Resp: 781

Ion Ratio Lower Upper

117 100

119 0.0 74.6 112.0#

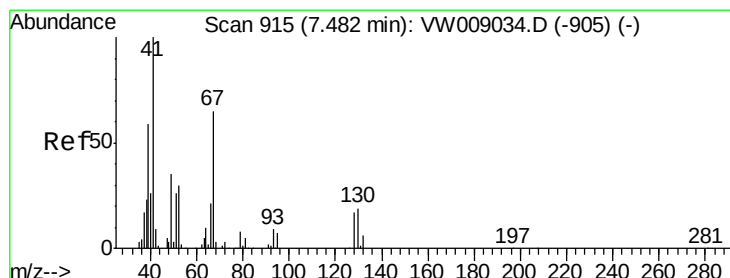
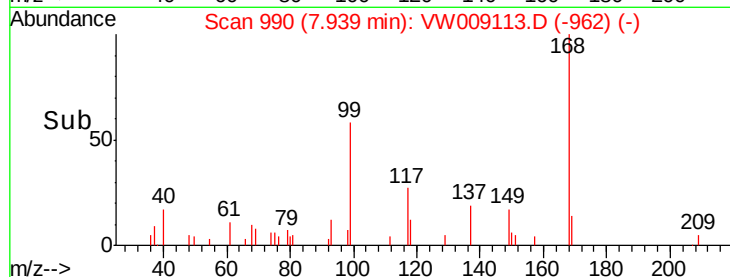
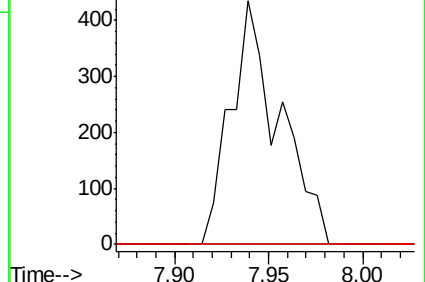
121 0.0 24.7 37.1#



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



#41

Methacrylonitrile

Concen: 20.603 ug/l

RT: 7.50 min Scan# 918

Delta R.T. 0.02 min

Lab File: VW009113.D

Acq: 12 Mar 2019 04:51

Tgt Ion: 41 Resp: 378

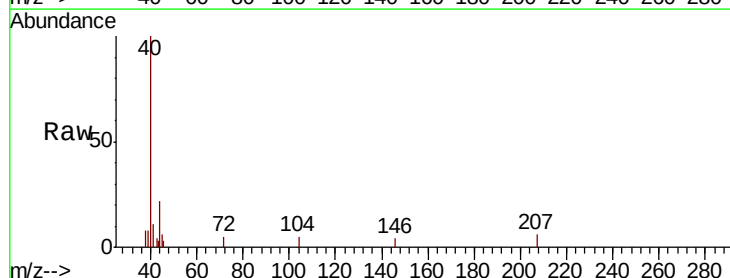
Ion Ratio Lower Upper

41 100

39 30.4 53.6 80.4#

67 0.0 57.6 86.4#

52 0.0 26.0 39.0#

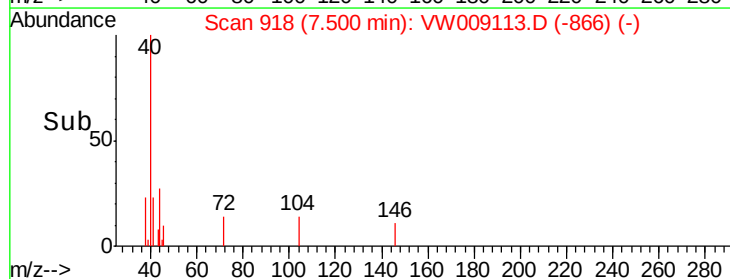
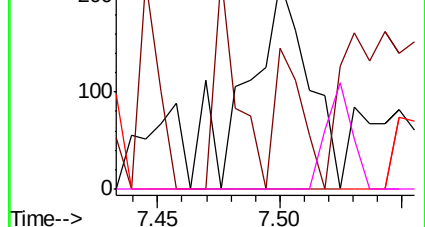


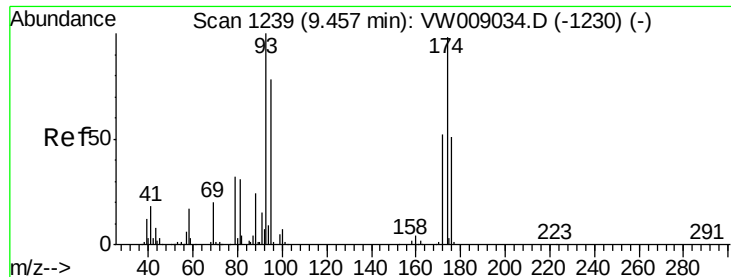
Abundance Ion 41.00 (40.70 to 41.70): VW

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





#46

Dibromomethane

Concen: 1.168 ug/l

RT: 9.34 min Scan# 1219

Delta R.T. -0.12 min

Lab File: VW009113.D

Acq: 12 Mar 2019 04:51

Instrument :

MSVOA_W

ClientSampleId :

SUP-7B-G-7-031119

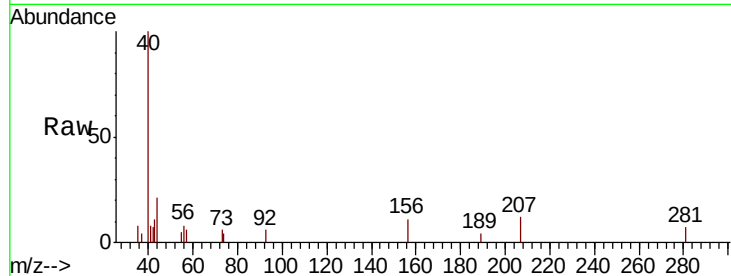
Tgt Ion: 93 Resp: 30

Ion Ratio Lower Upper

93 100

95 0.0 65.0 97.6#

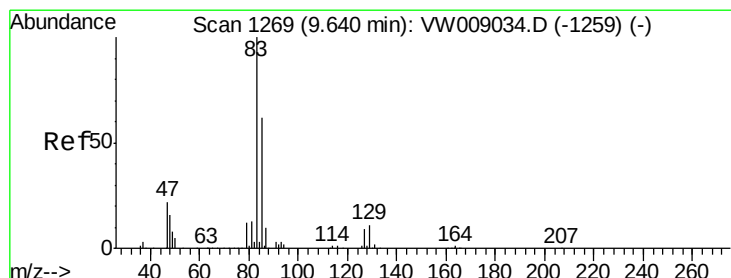
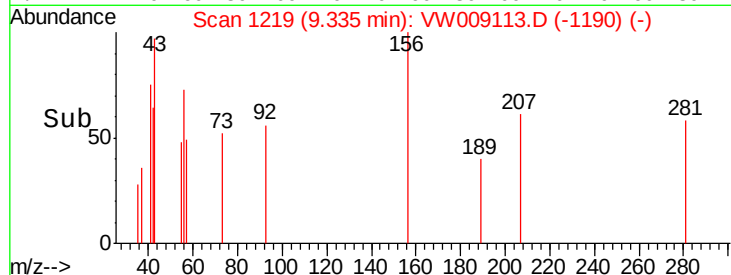
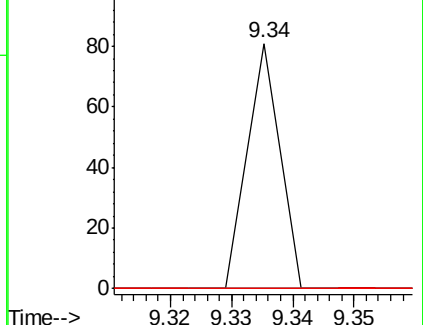
174 0.0 81.8 122.6#



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: 1.784 ug/l

RT: 9.56 min Scan# 1256

Delta R.T. -0.08 min

Lab File: VW009113.D

Acq: 12 Mar 2019 04:51

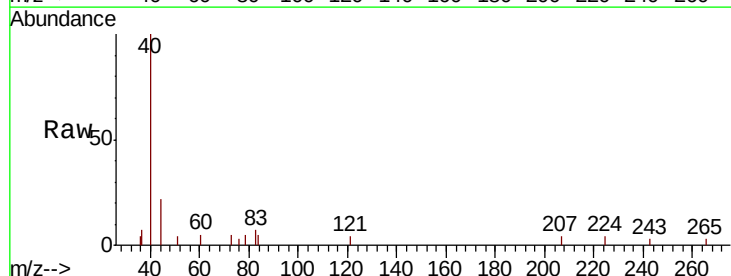
Tgt Ion: 83 Resp: 116

Ion Ratio Lower Upper

83 100

85 0.0 49.9 74.9#

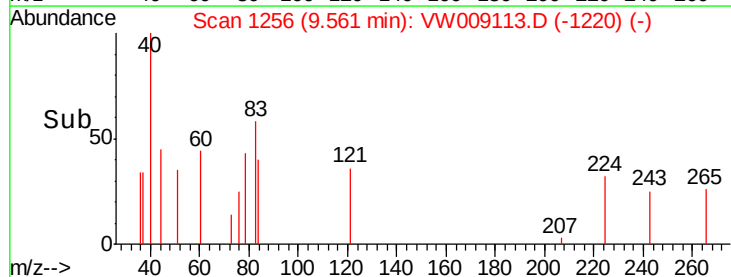
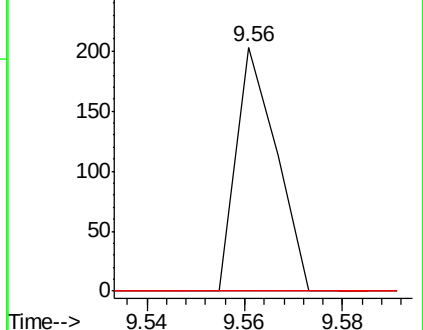
127 0.0 7.1 10.7#

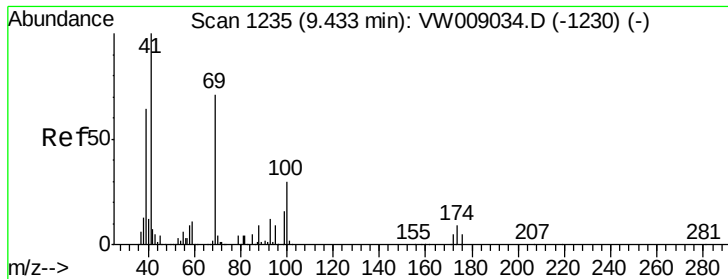


Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): V





#48

Methyl methacrylate

Concen: 8.237 ug/l

RT: 9.46 min Scan# 1240

Delta R.T. 0.03 min

Lab File: VW009113.D

Acq: 12 Mar 2019 04:51

Instrument :

MSVOA_W

ClientSampleId :

SUP-7B-G-7-031119

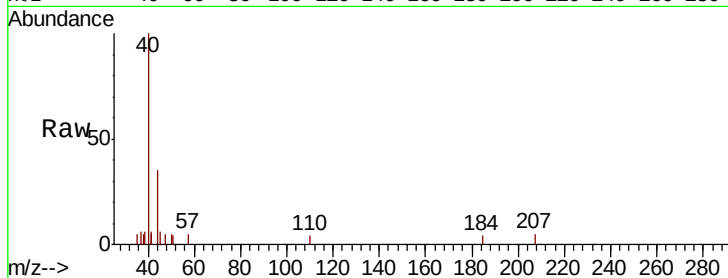
Tgt Ion: 41 Resp: 236

Ion Ratio Lower Upper

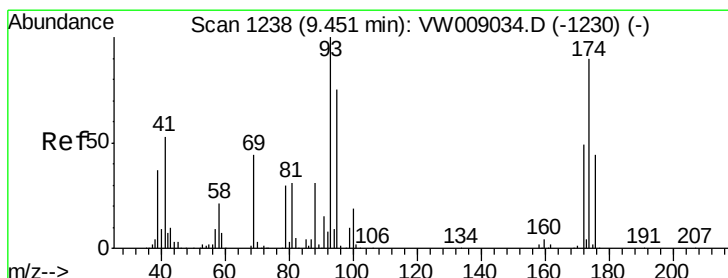
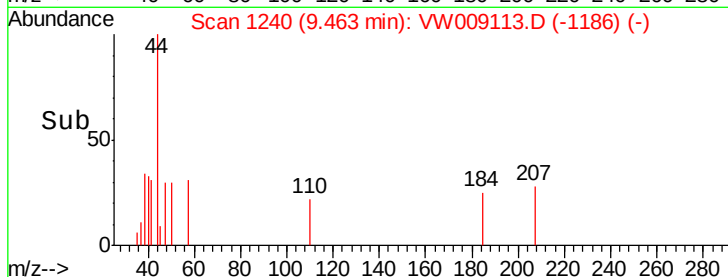
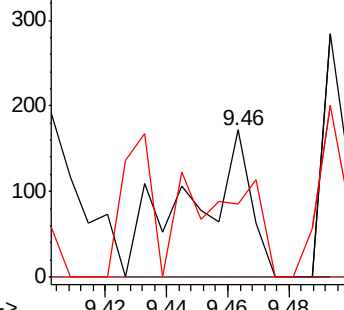
41 100

69 0.0 59.1 88.7#

39 74.2 48.9 73.3#



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: 157.703 ug/l

RT: 9.26 min Scan# 1207

Delta R.T. -0.19 min

Lab File: VW009113.D

Acq: 12 Mar 2019 04:51

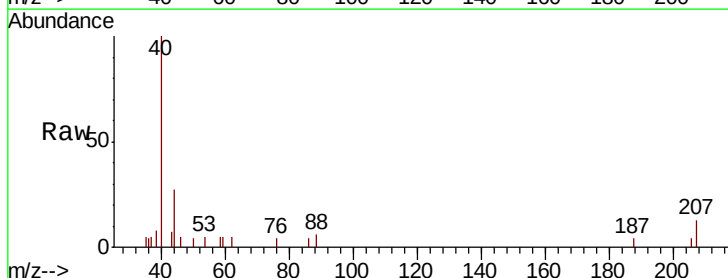
Tgt Ion: 88 Resp: 58

Ion Ratio Lower Upper

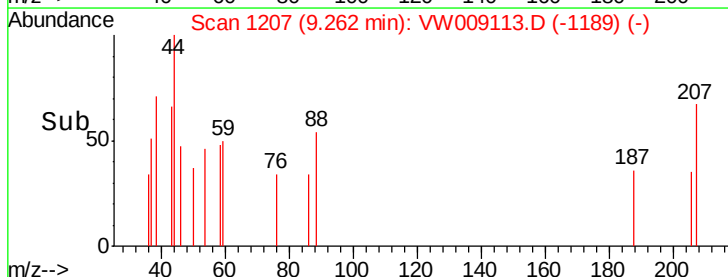
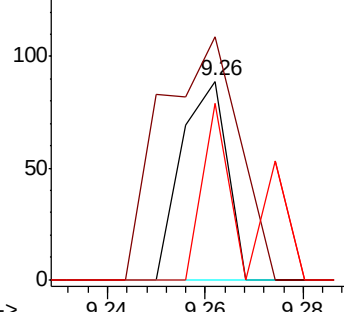
88 100

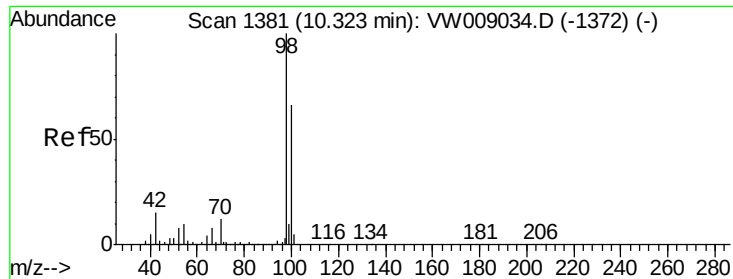
43 206.9 29.0 43.4#

58 82.8 59.2 88.8



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: 52.173 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.01 min

Lab File: VW009113.D

Acq: 12 Mar 2019 04:51

Instrument :

MSVOA_W

ClientSampleId :

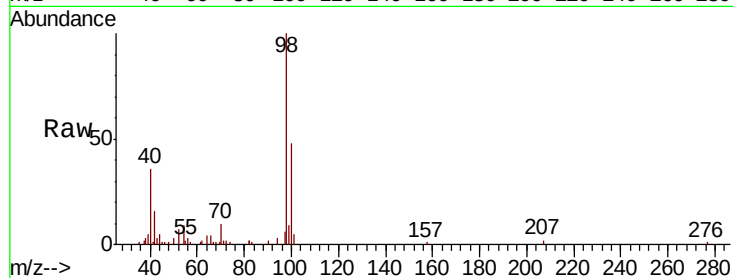
SUP-7B-G-7-031119

Tgt Ion: 98 Resp: 8679

Ion Ratio Lower Upper

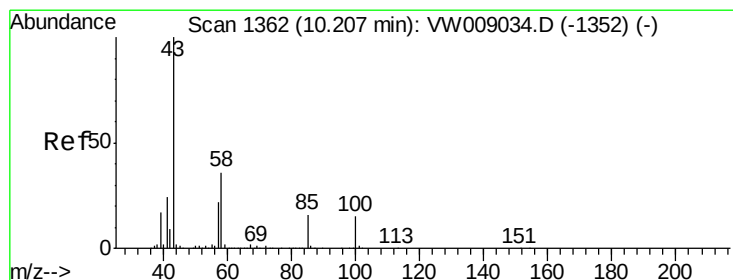
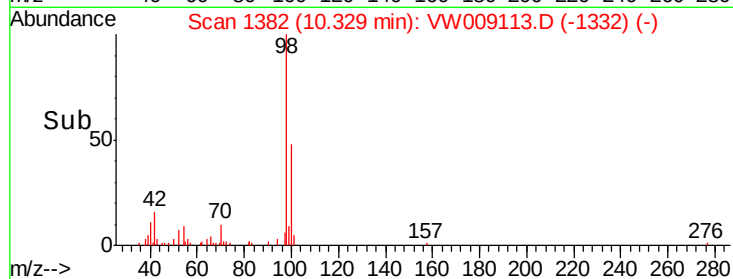
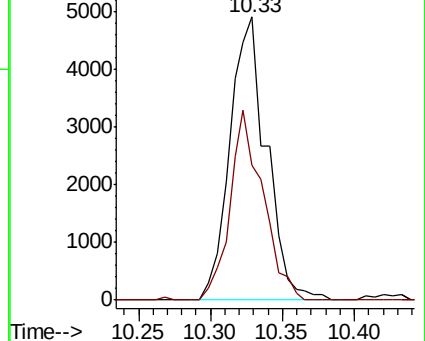
98 100

100 60.5 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: 7.555 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW009113.D

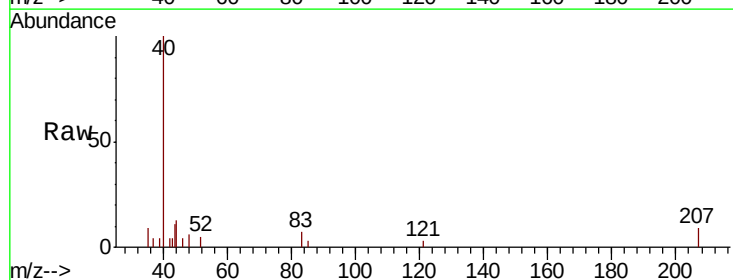
Acq: 12 Mar 2019 04:51

Tgt Ion: 43 Resp: 236

Ion Ratio Lower Upper

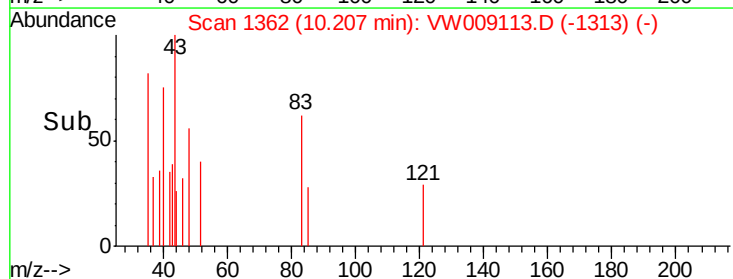
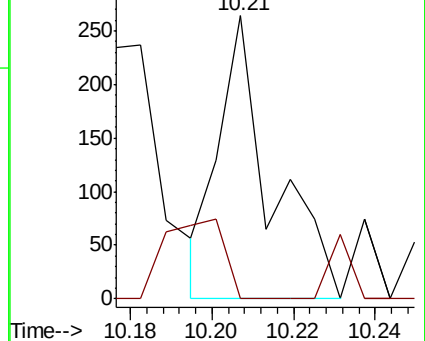
43 100

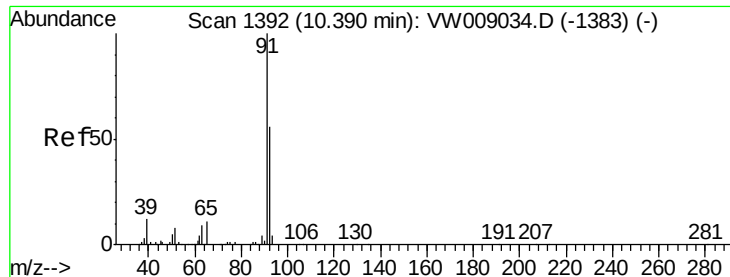
58 31.8 28.8 43.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#52

Toluene

Concen: 3.942 ug/l

RT: 10.40 min Scan# 1393

Delta R.T. 0.01 min

Lab File: VW009113.D

Acq: 12 Mar 2019 04:51

Instrument :

MSVOA_W

ClientSampleId :

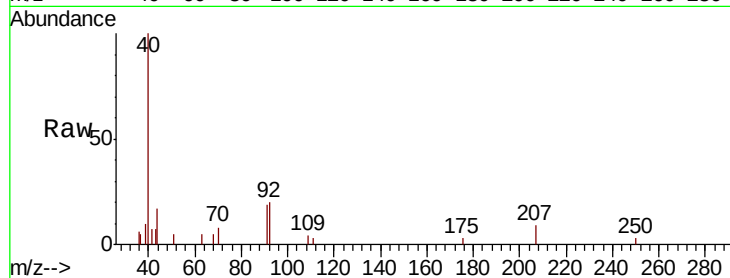
SUP-7B-G-7-031119

Tgt Ion: 92 Resp: 502

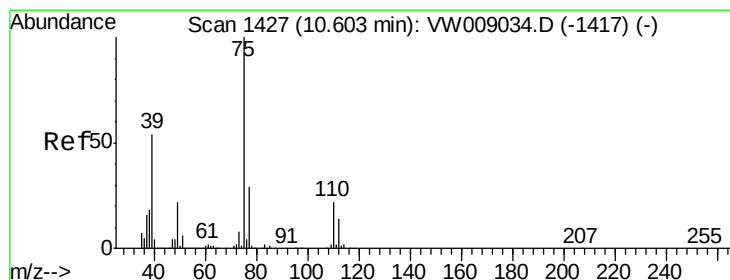
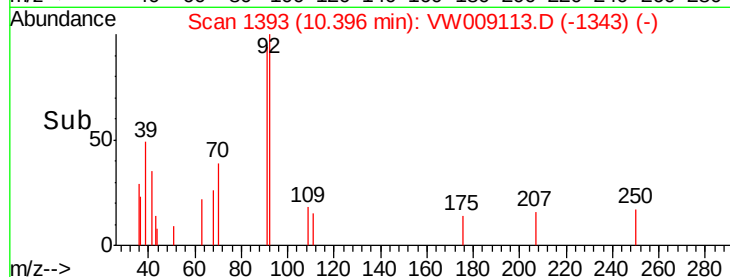
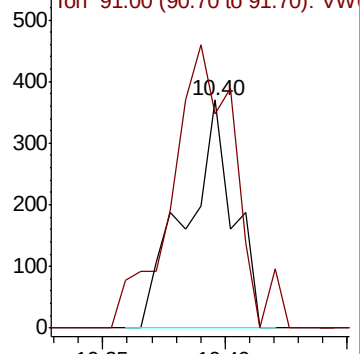
Ion Ratio Lower Upper

92 100

91 164.3 139.9 209.9



Abundance Ion 92.00 (91.70 to 92.70): VW



#53

t-1,3-Dichloropropene

Concen: 1.151 ug/l

RT: 10.55 min Scan# 1419

Delta R.T. -0.05 min

Lab File: VW009113.D

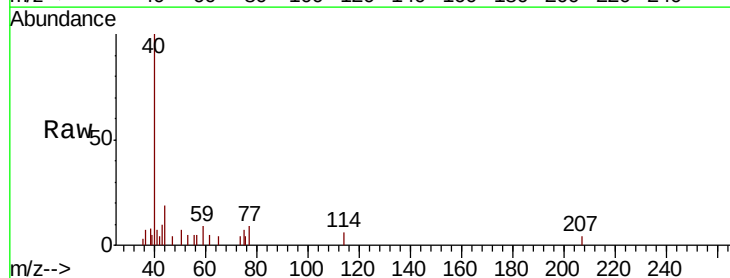
Acq: 12 Mar 2019 04:51

Tgt Ion: 75 Resp: 74

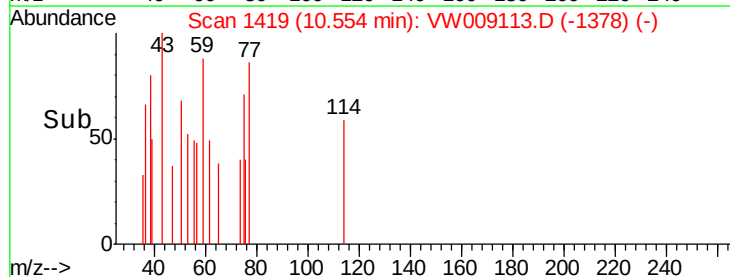
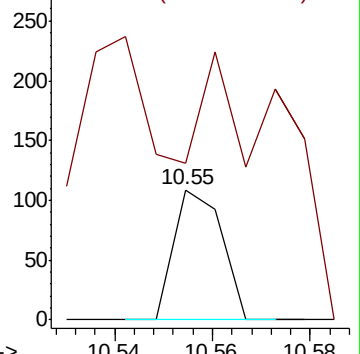
Ion Ratio Lower Upper

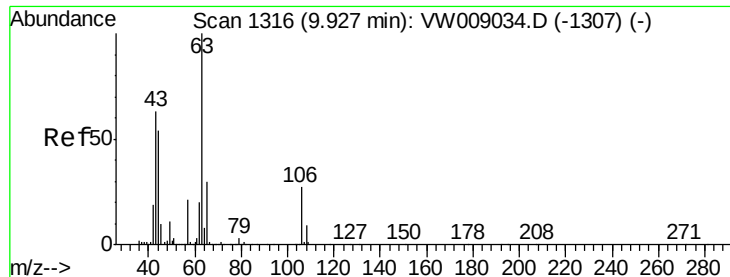
75 100

77 0.0 23.6 35.4#



Abundance Ion 74.90 (74.60 to 75.60): VW

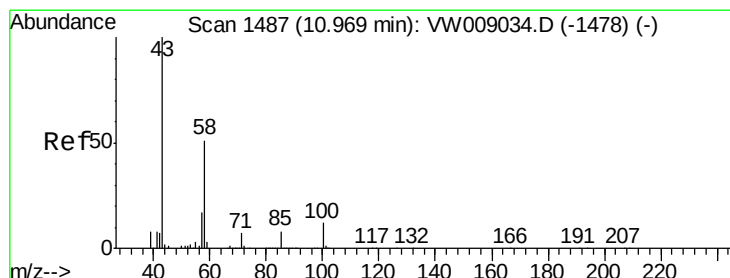
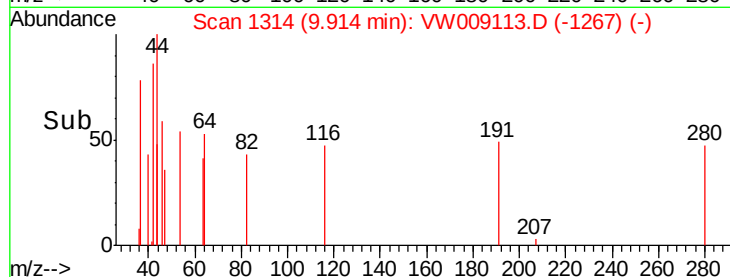
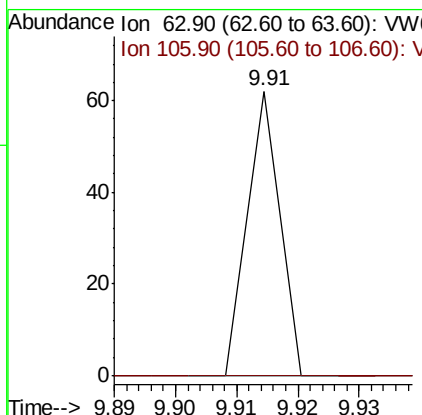
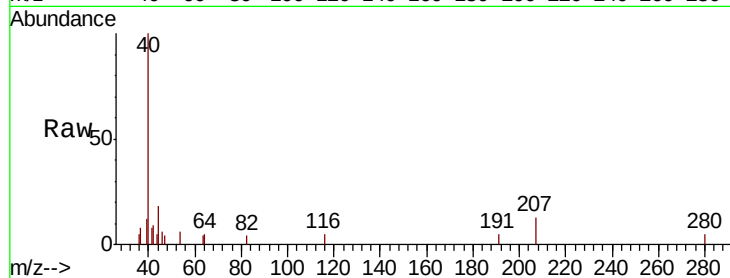




#58
 2-Chloroethyl Vinyl ether
 Concen: 1.027 ug/l
 RT: 9.91 min Scan# 1314
 Delta R.T. -0.01 min
 Lab File: VW009113.D
 Acq: 12 Mar 2019 04:51

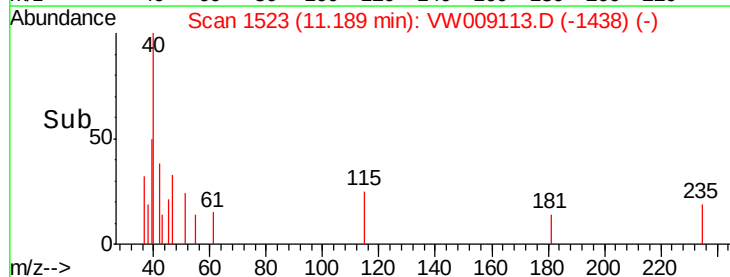
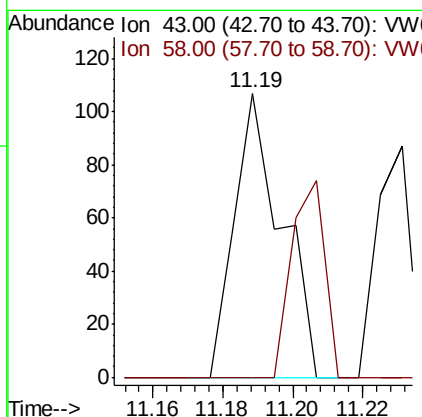
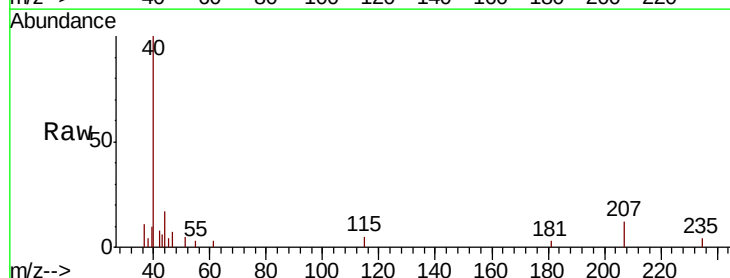
Instrument :
 MSVOA_W
 ClientSampleId :
 SUP-7B-G-7-031119

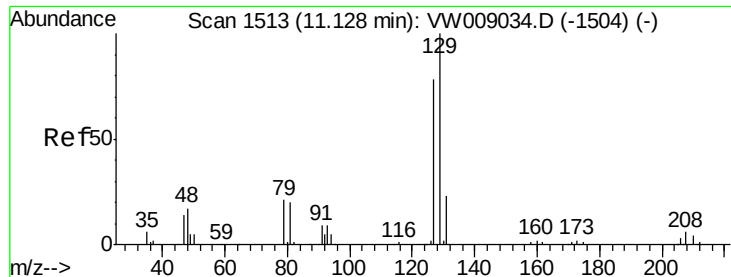
Tgt Ion: 63 Resp: 23
 Ion Ratio Lower Upper
 63 100
 106 0.0 23.0 34.6#



#59
 2-Hexanone
 Concen: 4.553 ug/l
 RT: 11.19 min Scan# 1523
 Delta R.T. 0.22 min
 Lab File: VW009113.D
 Acq: 12 Mar 2019 04:51

Tgt Ion: 43 Resp: 100
 Ion Ratio Lower Upper
 43 100
 58 49.0 25.3 75.9

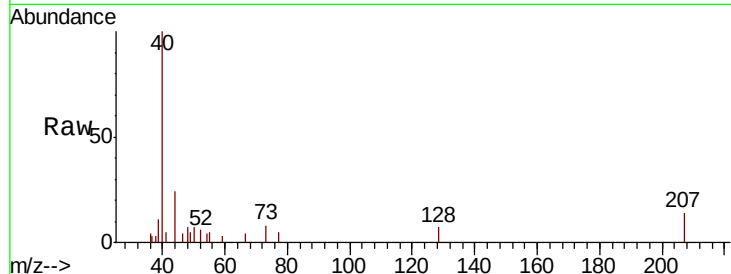




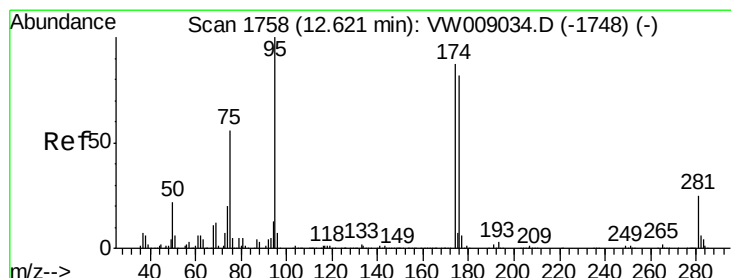
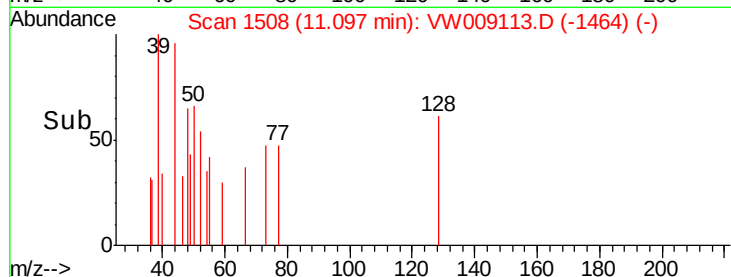
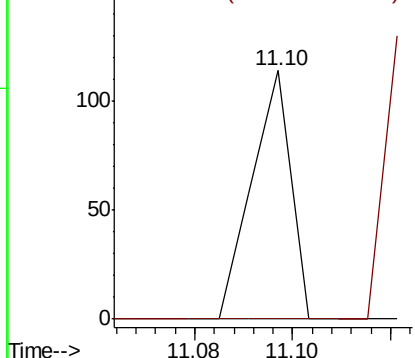
#60
Dibromochloromethane
Concen: 1.462 ug/l
RT: 11.10 min Scan# 1508
Delta R.T. -0.03 min
Lab File: VW009113.D
Acq: 12 Mar 2019 04:51

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

Tgt Ion: 129 Resp: 63
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.1#

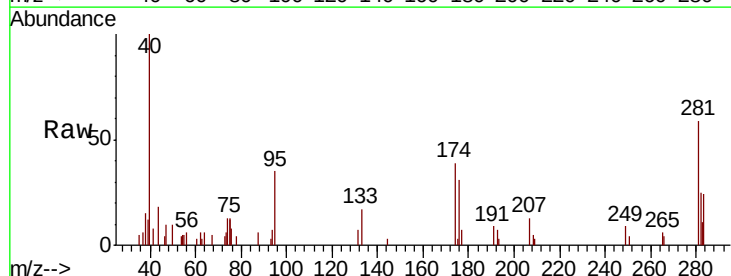


Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V

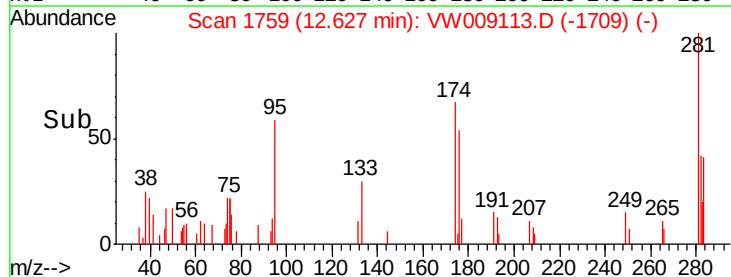
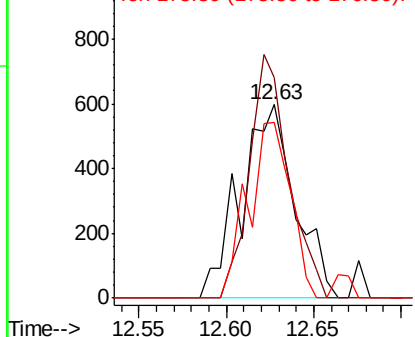


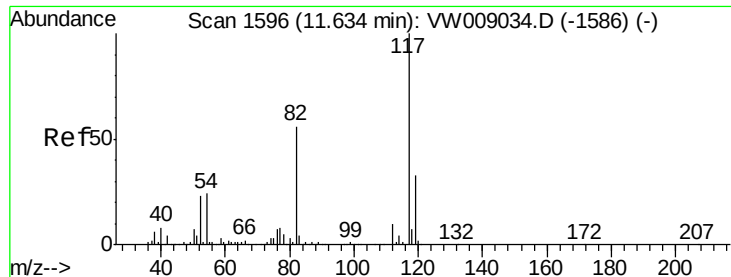
#62
4-Bromofluorobenzene
Concen: 19.730 ug/l
RT: 12.63 min Scan# 1759
Delta R.T. 0.01 min
Lab File: VW009113.D
Acq: 12 Mar 2019 04:51

Tgt Ion: 95 Resp: 1292
Ion Ratio Lower Upper
95 100
174 90.2 0.0 167.0
176 70.9 0.0 159.4



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

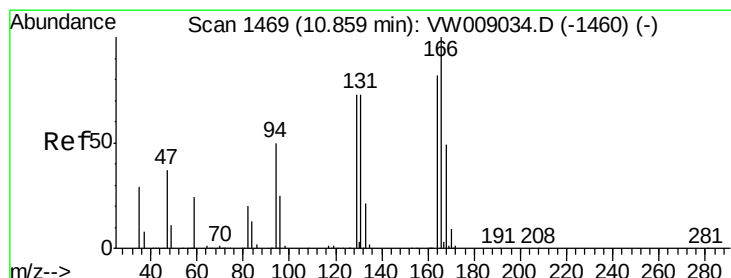
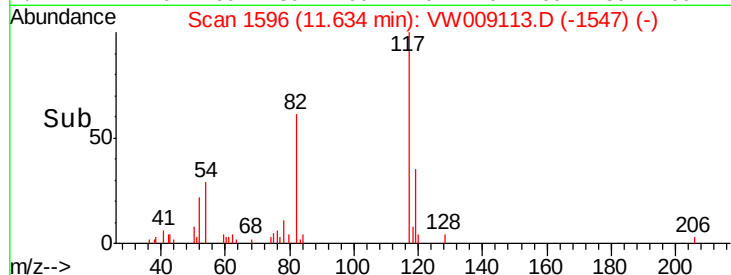
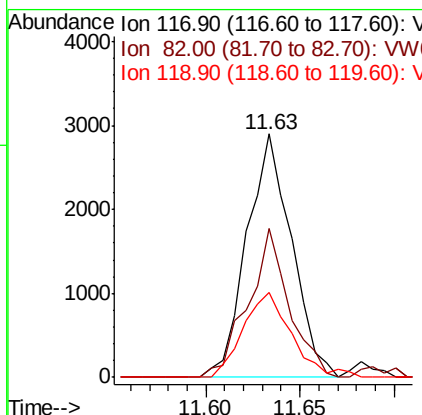
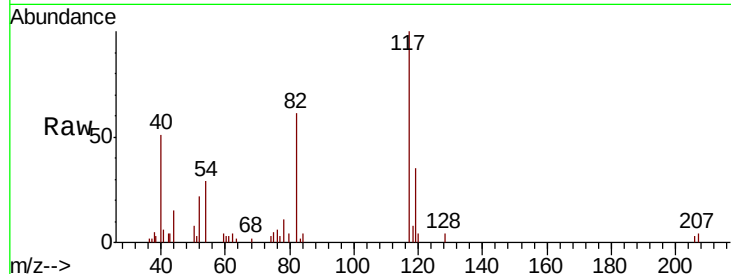




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW009113.D
Acq: 12 Mar 2019 04:51

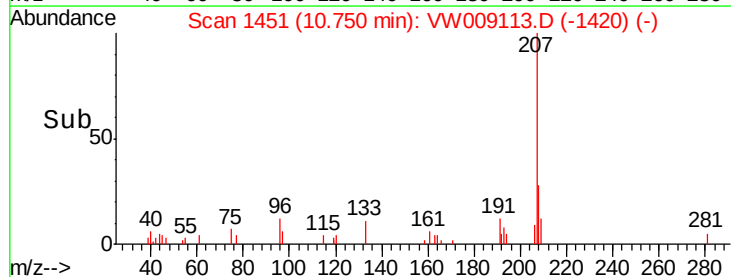
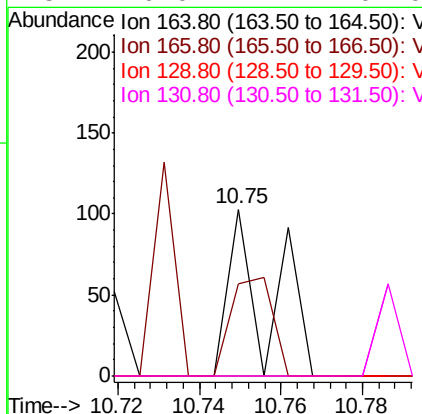
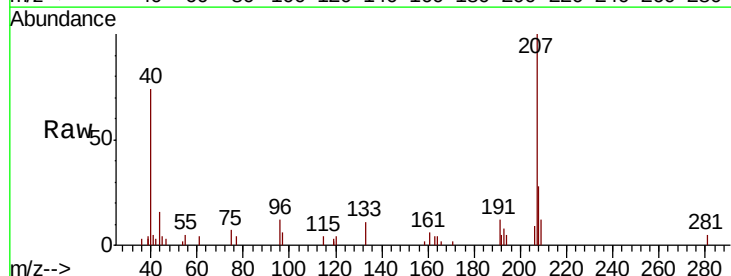
Instrument :
MSVOA_W
ClientSampleId :
SUP-7B-G-7-031119

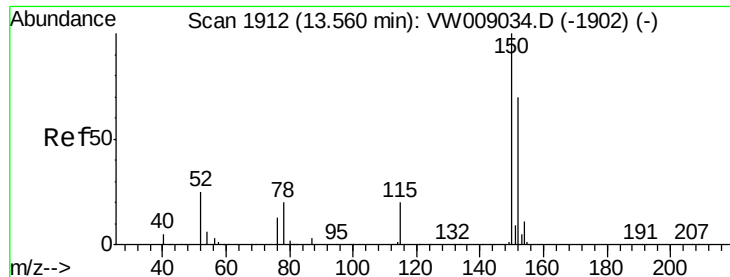
Tgt Ion:117 Resp: 4773
Ion Ratio Lower Upper
117 100
82 61.0 45.0 67.6
119 34.7 26.6 39.8



#64
Tetrachloroethene
Concen: 2.063 ug/l
RT: 10.75 min Scan# 1451
Delta R.T. -0.11 min
Lab File: VW009113.D
Acq: 12 Mar 2019 04:51

Tgt Ion:164 Resp: 71
Ion Ratio Lower Upper
164 100
166 55.3 97.8 146.6#
129 0.0 71.6 107.4#
131 0.0 71.4 107.0#

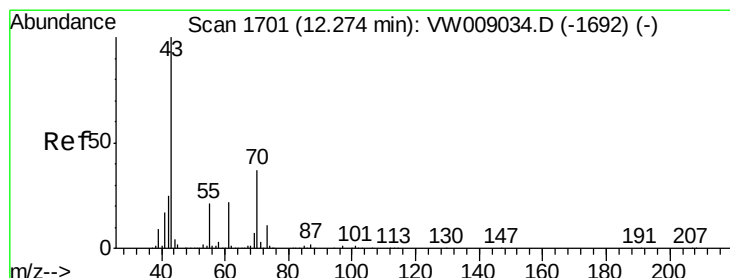
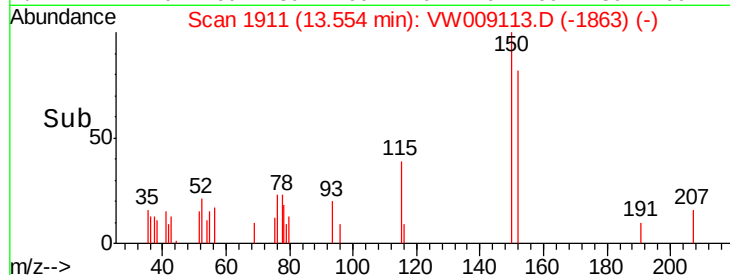
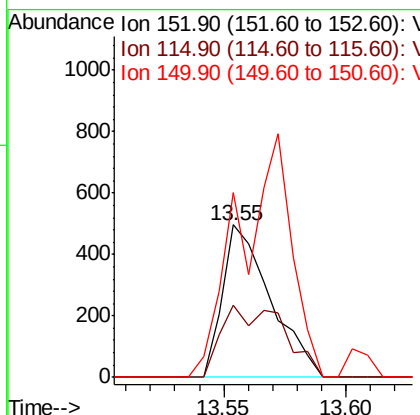
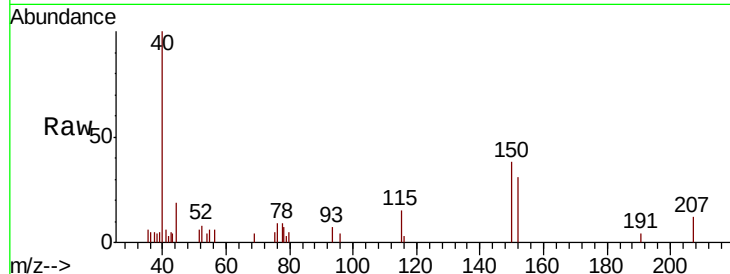




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.55 min Scan# 1911
 Delta R.T. -0.01 min
 Lab File: VW009113.D
 Acq: 12 Mar 2019 04:51

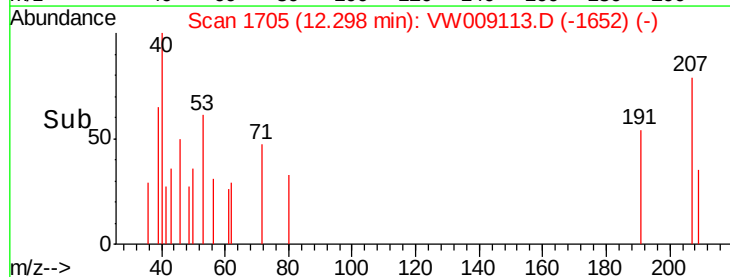
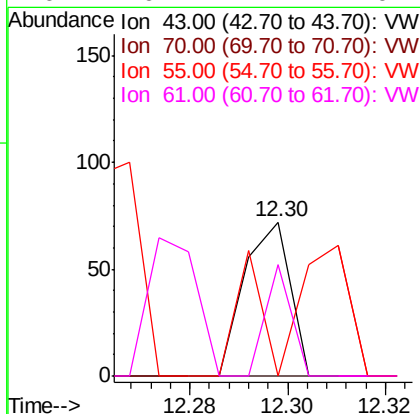
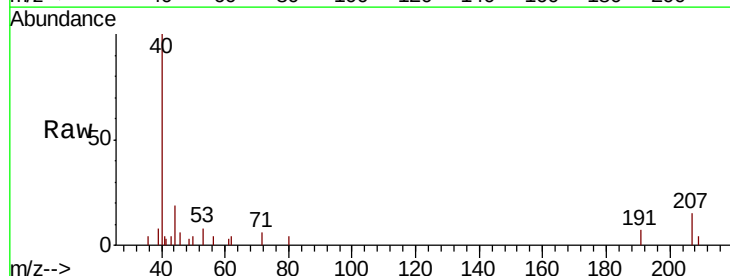
Instrument :
 MSVOA_W
 ClientSampleId :
 SUP-7B-G-7-031119

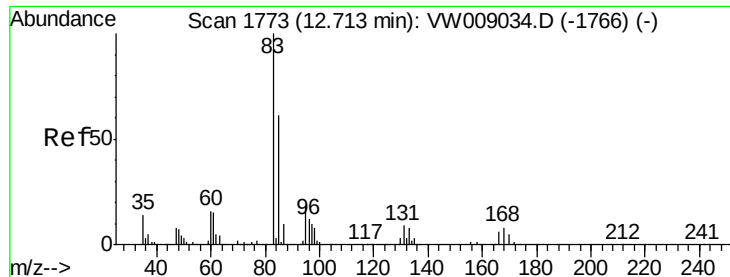
Tgt Ion:152 Resp: 679
 Ion Ratio Lower Upper
 152 100
 115 61.0 28.9 86.7
 150 174.7 0.0 349.2



#74
 N-ethyl acetate
 Concen: 4.083 ug/l
 RT: 12.30 min Scan# 1705
 Delta R.T. 0.02 min
 Lab File: VW009113.D
 Acq: 12 Mar 2019 04:51

Tgt Ion: 43 Resp: 47
 Ion Ratio Lower Upper
 43 100
 70 0.0 30.8 46.2#
 55 134.0 17.8 26.8#
 61 40.4 17.4 26.2#





#75

1,1,2,2-Tetrachloroethane

Concen: 8.344 ug/l

RT: 12.78 min Scan# 1784

Delta R.T. 0.07 min

Lab File: VW009113.D

Acq: 12 Mar 2019 04:51

Instrument :

MSVOA_W

ClientSampleId :

SUP-7B-G-7-031119

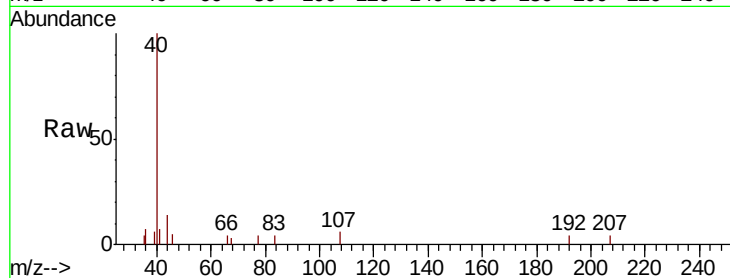
Tgt Ion: 83 Resp: 64

Ion Ratio Lower Upper

83 100

131 0.0 5.5 16.7#

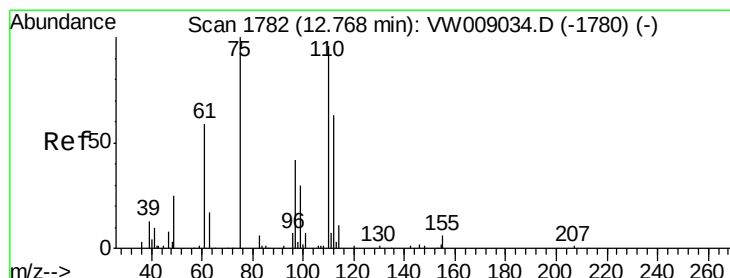
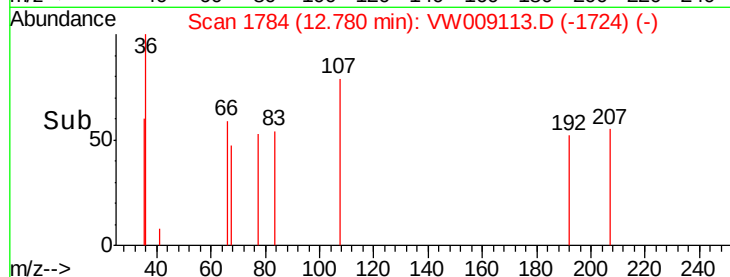
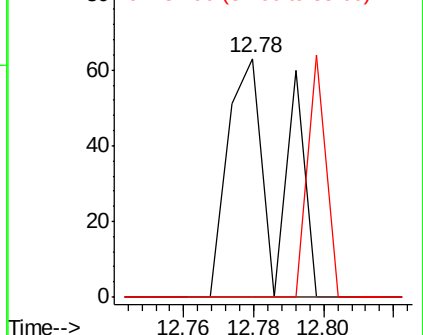
85 35.9 31.7 95.1



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 4.660 ug/l

RT: 12.73 min Scan# 1776

Delta R.T. -0.04 min

Lab File: VW009113.D

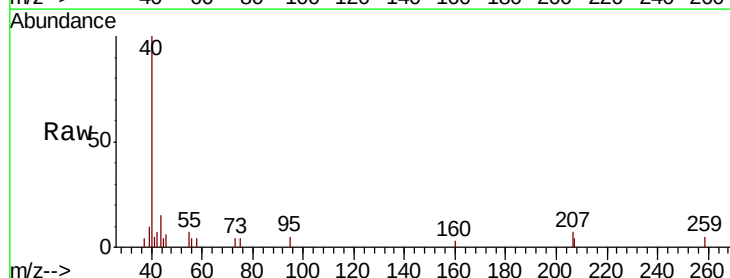
Acq: 12 Mar 2019 04:51

Tgt Ion: 75 Resp: 25

Ion Ratio Lower Upper

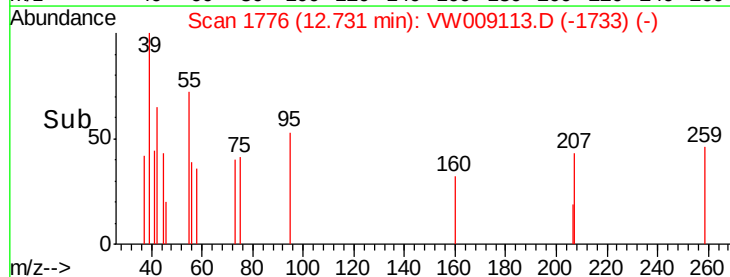
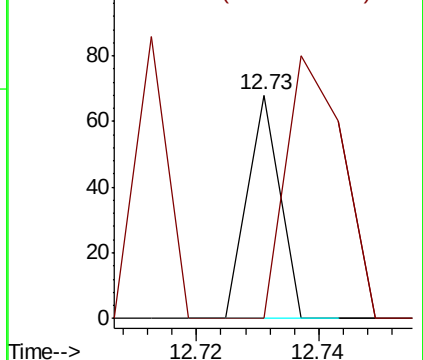
75 100

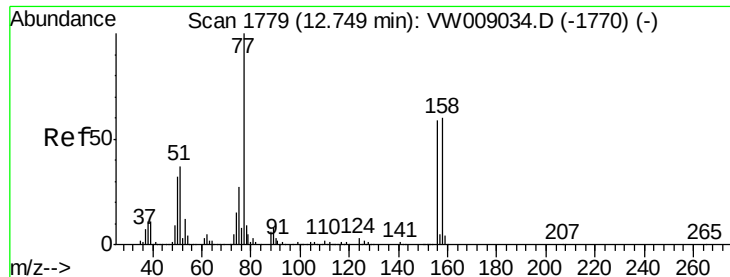
77 204.0 186.7 560.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 3.960 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. 0.20 min

Lab File: VW009113.D

Acq: 12 Mar 2019 04:51

Instrument :

MSVOA_W

ClientSampleId :

SUP-7B-G-7-031119

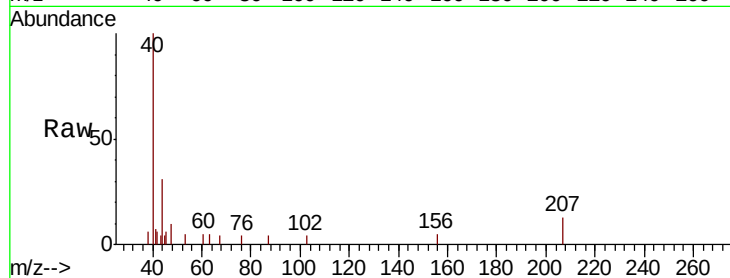
Tgt Ion: 156 Resp: 44

Ion Ratio Lower Upper

156 100

77 50.0 93.0 279.2#

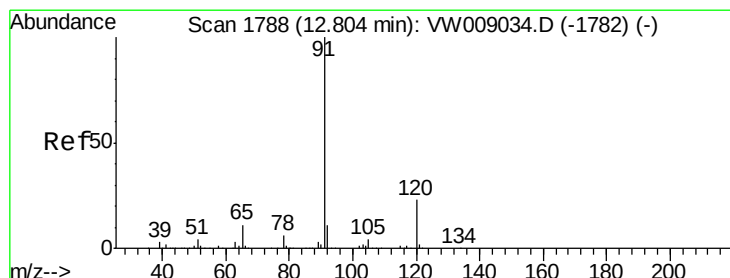
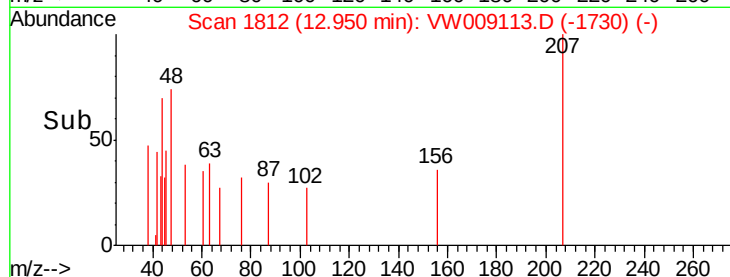
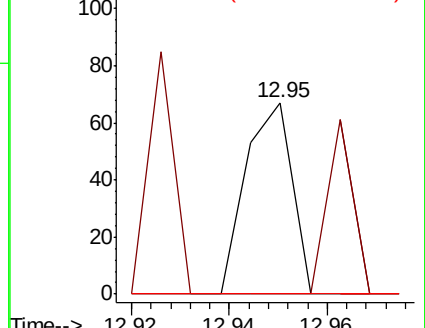
158 0.0 50.0 149.8#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 2.187 ug/l

RT: 12.82 min Scan# 1791

Delta R.T. 0.02 min

Lab File: VW009113.D

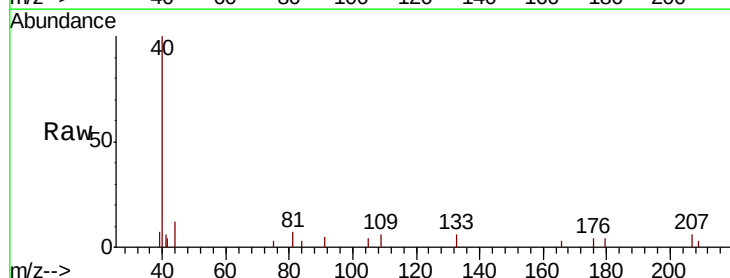
Acq: 12 Mar 2019 04:51

Tgt Ion: 91 Resp: 131

Ion Ratio Lower Upper

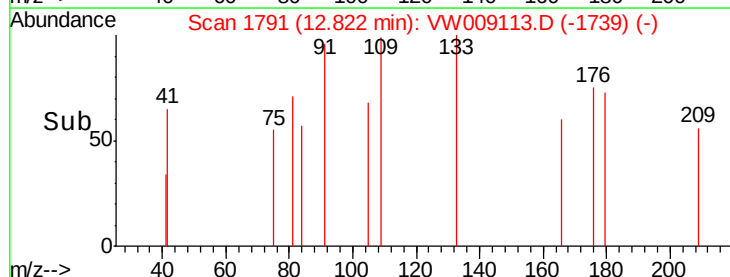
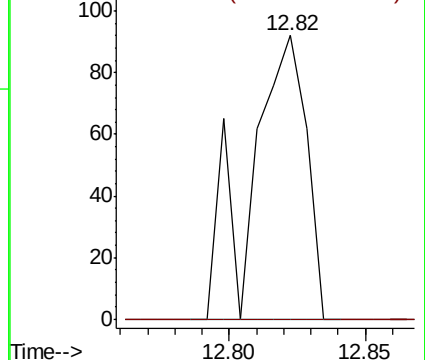
91 100

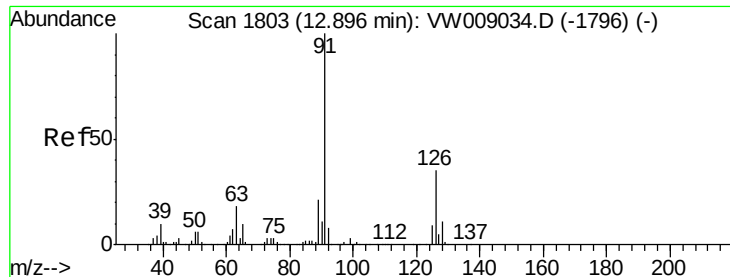
120 0.0 11.4 34.2#



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

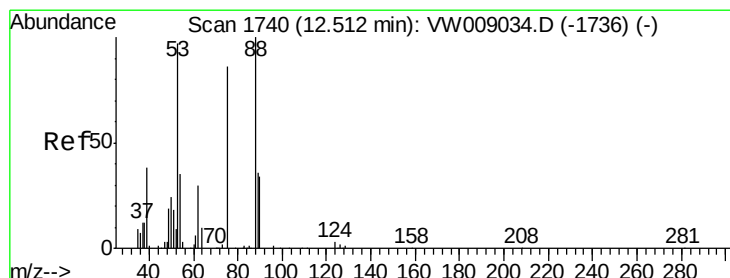
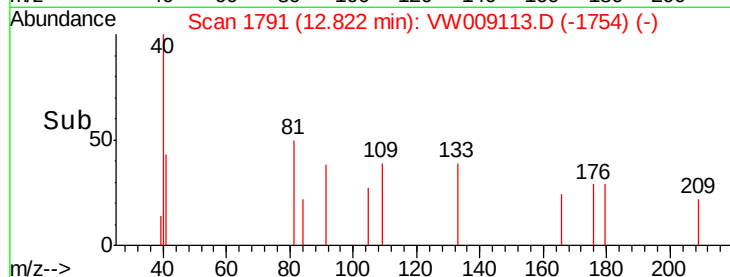
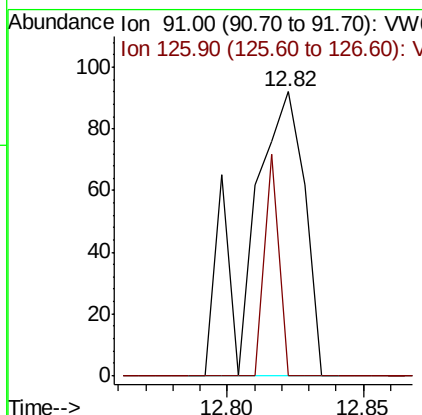
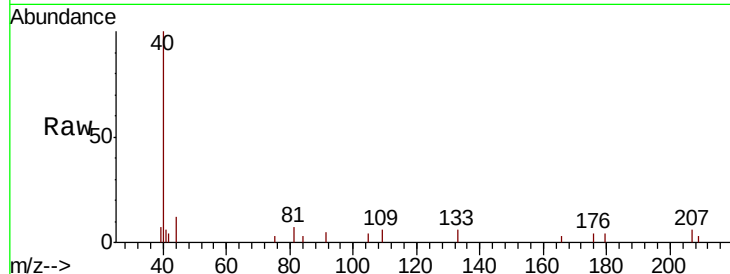




#79
 2-Chlorotoluene
 Concen: 3.893 ug/l
 RT: 12.82 min Scan# 1791
 Delta R.T. -0.07 min
 Lab File: VW009113.D
 Acq: 12 Mar 2019 04:51

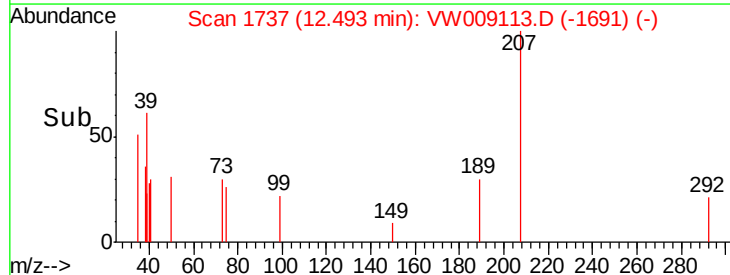
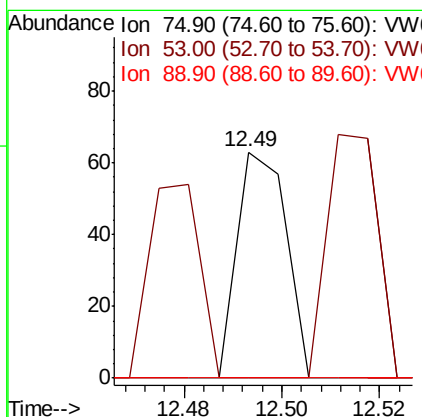
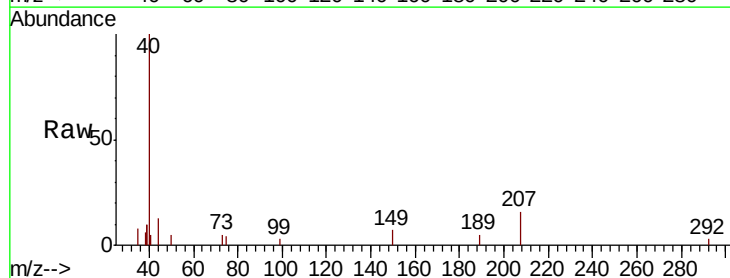
Instrument :
 MSVOA_W
 ClientSampleId :
 SUP-7B-G-7-031119

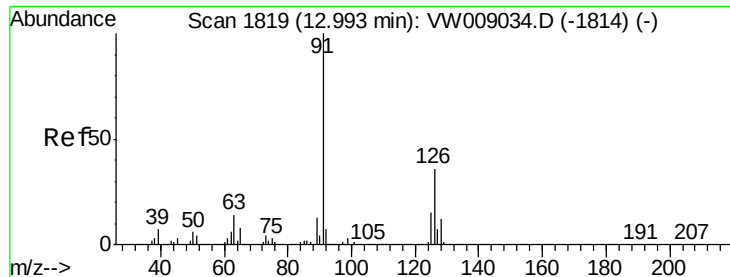
Tgt Ion: 91 Resp: 131
 Ion Ratio Lower Upper
 91 100
 126 19.8 16.8 50.4



#81
 trans-1,4-Dichloro-2-butene
 Concen: 18.345 ug/l
 RT: 12.49 min Scan# 1737
 Delta R.T. -0.02 min
 Lab File: VW009113.D
 Acq: 12 Mar 2019 04:51

Tgt Ion: 75 Resp: 44
 Ion Ratio Lower Upper
 75 100
 53 88.6 90.5 135.7#
 89 0.0 37.5 56.3#

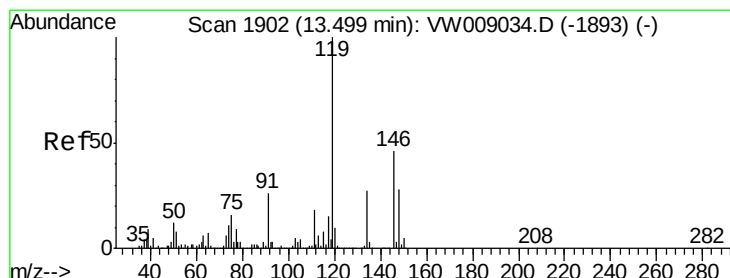
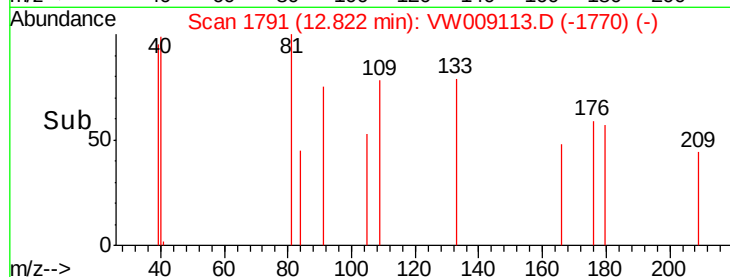
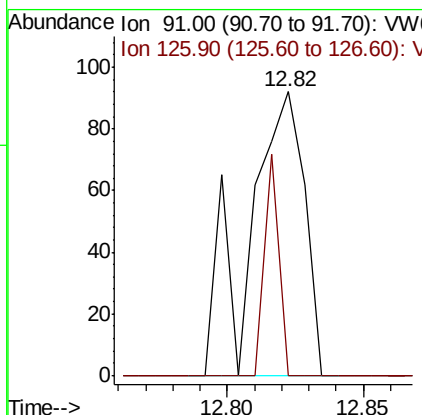
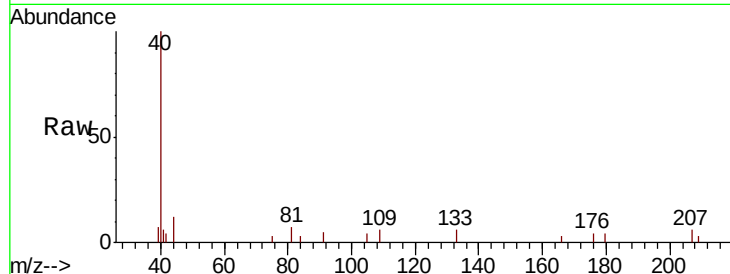




#82
4-Chlorotoluene
Concen: 3.652 ug/l
RT: 12.82 min Scan# 1791
Delta R.T. -0.17 min
Lab File: VW009113.D
Acq: 12 Mar 2019 04:51

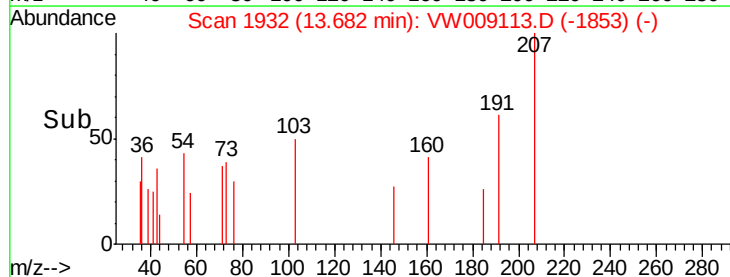
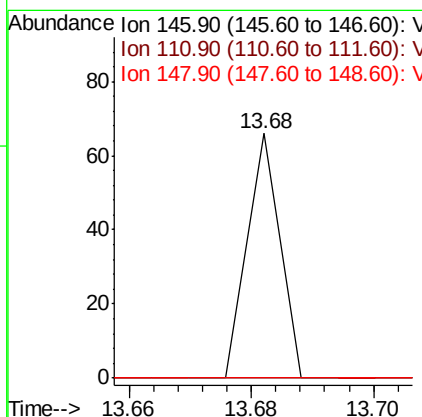
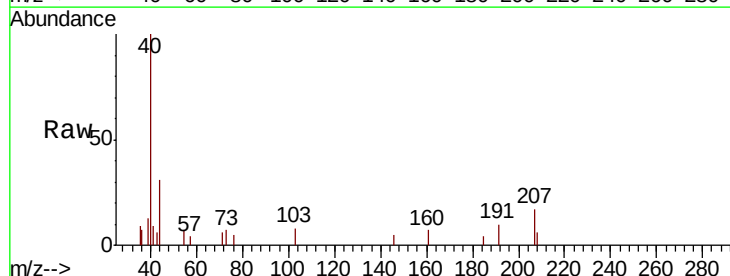
Instrument :
MSVOA_W
ClientSampleId :
SUP-7B-G-7-031119

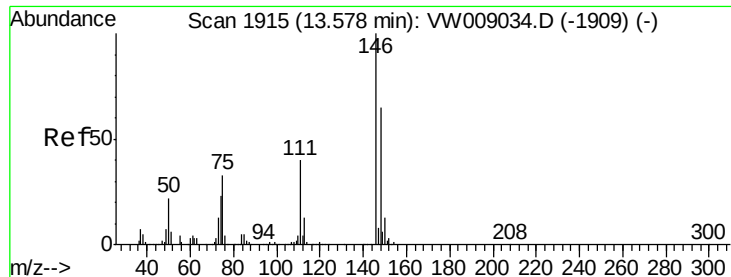
Tgt Ion: 91 Resp: 131
Ion Ratio Lower Upper
91 100
126 19.8 16.6 49.8



#87
1,3-Dichlorobenzene
Concen: 1.028 ug/l
RT: 13.68 min Scan# 1932
Delta R.T. 0.18 min
Lab File: VW009113.D
Acq: 12 Mar 2019 04:51

Tgt Ion: 146 Resp: 24
Ion Ratio Lower Upper
146 100
111 0.0 19.8 59.4#
148 0.0 31.6 94.8#





#88

1,4-Dichlorobenzene

Concen: 1.040 ug/l

RT: 13.68 min Scan# 1932

Delta R.T. 0.10 min

Lab File: VW009113.D

Acq: 12 Mar 2019 04:51

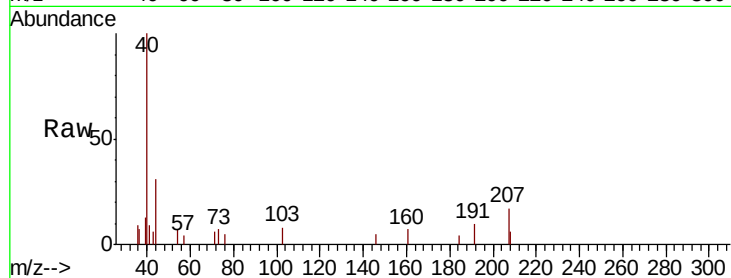
Instrument :

MSVOA_W

ClientSampleId :

SUP-7B-G-7-031119

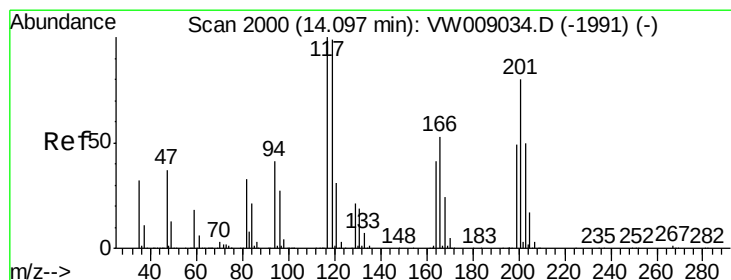
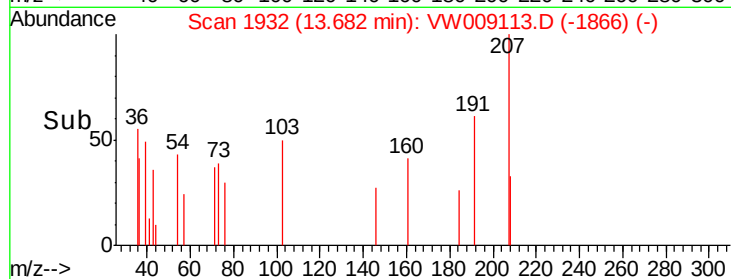
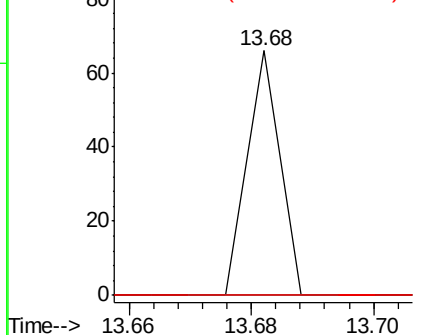
Tgt Ion	Ratio	Lower	Upper
146	100		
111	0.0	19.7	59.0#
148	0.0	32.2	96.6#



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#90

Hexachloroethane

Concen: 2.970 ug/l

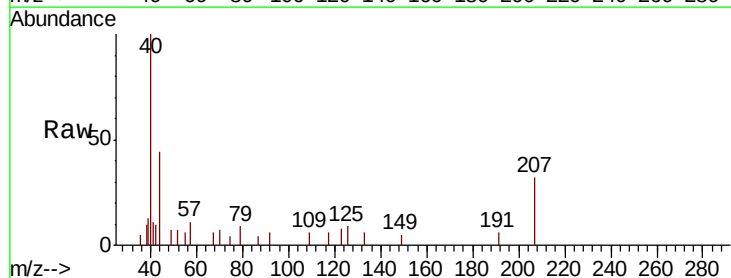
RT: 14.17 min Scan# 2012

Delta R.T. 0.07 min

Lab File: VW009113.D

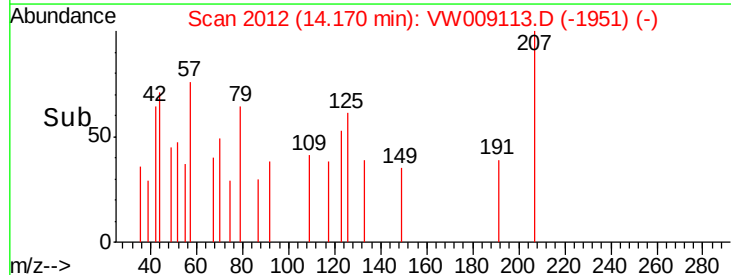
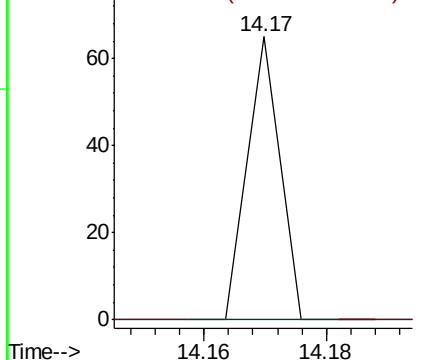
Acq: 12 Mar 2019 04:51

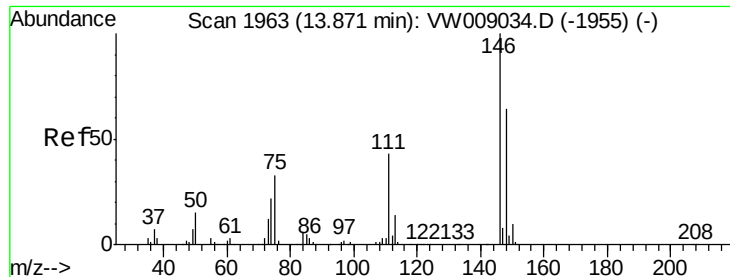
Tgt Ion	Ratio	Lower	Upper
117	100		
201	0.0	39.1	117.5#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

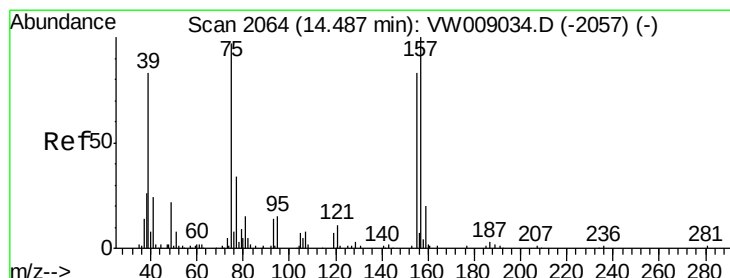
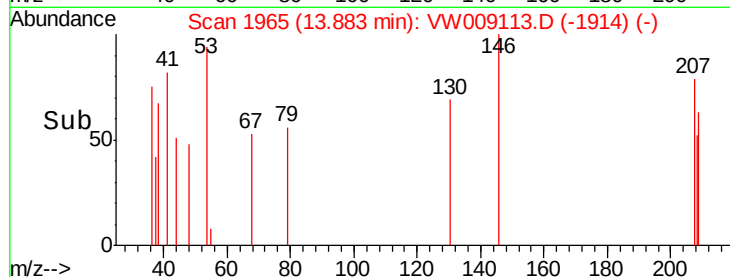
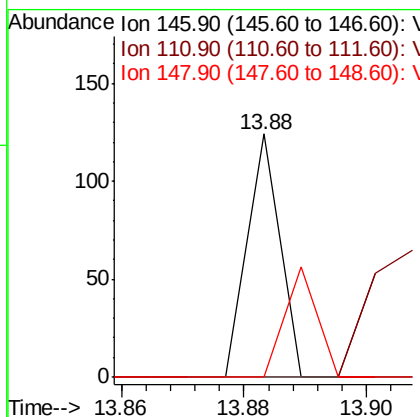
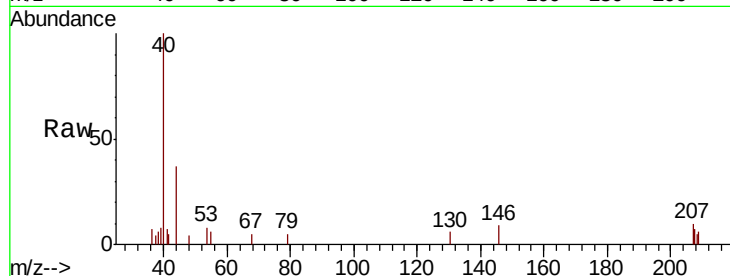




#91
 1,2-Dichlorobenzene
 Concen: 2.184 ug/l
 RT: 13.88 min Scan# 1965
 Delta R.T. 0.01 min
 Lab File: VW009113.D
 Acq: 12 Mar 2019 04:51

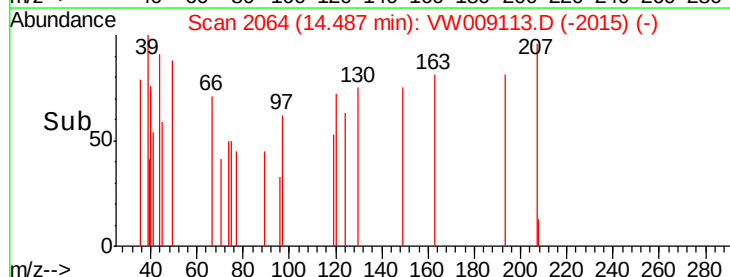
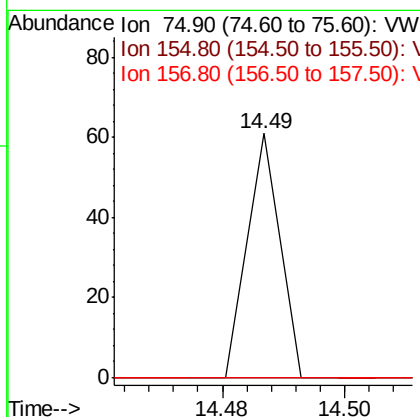
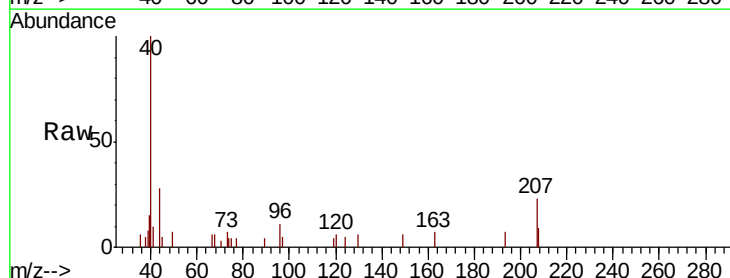
Instrument :
 MSVOA_W
 ClientSampleId :
 SUP-7B-G-7-031119

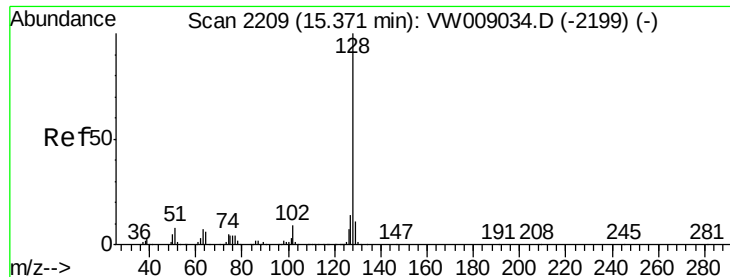
Tgt Ion	Ratio	Lower	Upper
146	100		
111	0.0	21.1	63.1#
148	44.4	32.3	96.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.105 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW009113.D
 Acq: 12 Mar 2019 04:51

Tgt Ion	Ratio	Lower	Upper
75	100		
155	0.0	40.8	122.4#
157	0.0	52.4	157.3#

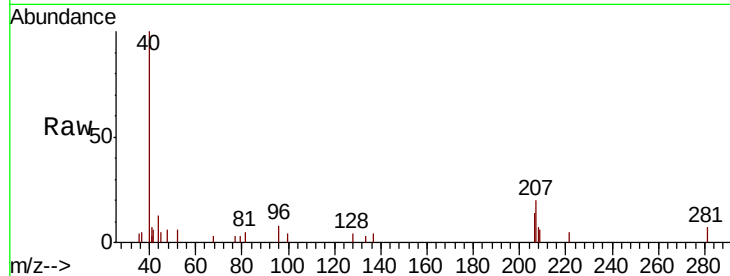




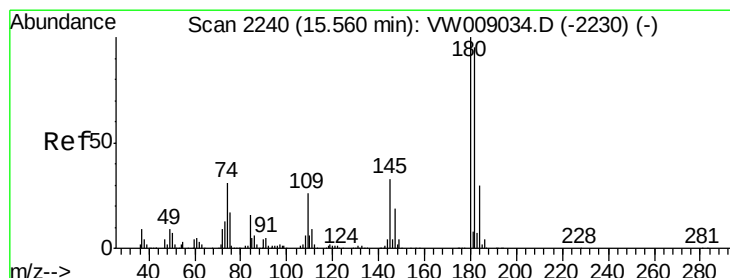
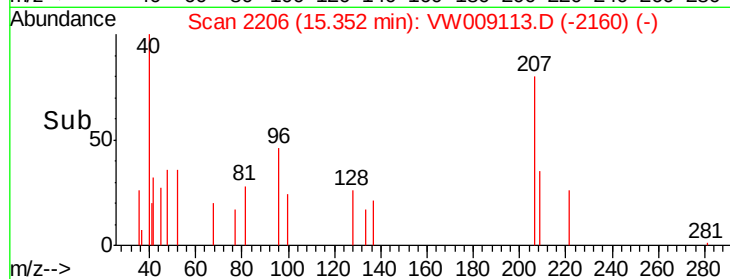
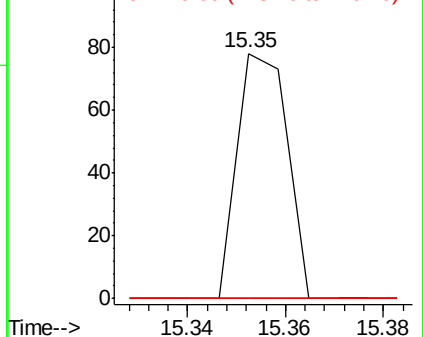
#95
Naphthalene
Concen: 2.415 ug/l
RT: 15.35 min Scan# 2206
Delta R.T. -0.02 min
Lab File: VW009113.D
Acq: 12 Mar 2019 04:51

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

Tgt Ion	Ratio	Lower	Upper
128	100		
127	0.0	11.0	16.6#
129	0.0	8.8	13.2#

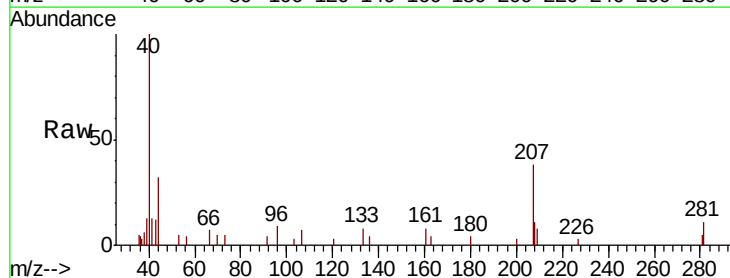


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 1.880 ug/l
RT: 15.72 min Scan# 2267
Delta R.T. 0.16 min
Lab File: VW009113.D
Acq: 12 Mar 2019 04:51

Tgt Ion	Ratio	Lower	Upper
180	100		
182	0.0	48.1	144.3#
145	0.0	15.8	47.3#



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

