

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF050819\
 Data File : VF062386.D
 Acq On : 8 May 2019 19:24
 Operator : FY/SY
 Sample : K2672-15
 Misc : 5.01µg/5mL/MSVOA F/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 SB-08-1.5-2.0

Quant Time: May 09 05:03:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F050619S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 04:34:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.07	168	69	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	6.05	114	64	50.00	ug/l	0.28
63) Chlorobenzene-d5	10.26	117	77	50.00	ug/l	0.36
72) 1,4-Dichlorobenzene-d4	0.00	152	0	0.00	ug/l	-12.61

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.00	65	69	105.82	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	211.64%	
35) Dibromofluoromethane	4.40	113	68	133.37	ug/l	0.10
Spiked Amount	50.000		Recovery	=	266.74%	
50) Toluene-d8	7.83	98	66	53.47	ug/l	0.13
Spiked Amount	50.000		Recovery	=	106.94%	
62) 4-Bromofluorobenzene	11.98	95	63	113.14	ug/l	0.50
Spiked Amount	50.000		Recovery	=	226.28%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.01	85	66	82.649	ug/l #	41
3) Chloromethane	1.15	50	106	201.263	ug/l #	42
4) Vinyl Chloride	1.22	62	62	118.021	ug/l #	42
5) Bromomethane	1.43	94	70	183.285	ug/l	94
6) Chloroethane	1.47	64	61	230.961	ug/l #	41
7) Trichlorofluoromethane	1.39	101	59	54.130	ug/l #	20
8) Diethyl Ether	1.53	74	77	466.884	ug/l	49
9) 1,1,2-Trichlorotrifluoroet	2.13	101	69	110.883	ug/l #	60
10) Methyl Iodide	2.08	142	159	155.050	ug/l #	23
11) Tert butyl alcohol	2.73	59	80	2170.748	ug/l #	1
12) 1,1-Dichloroethene	1.90	96	141	266.532	ug/l #	1
13) Acrolein	2.07	56	68	3237.353	ug/l #	13
14) Allyl chloride	2.18	41	662	1416.621	ug/l #	65
15) Acrylonitrile	3.11	53	95	1360.829	ug/l #	7
16) Acetone	2.35	43	286	2168.133	ug/l #	62
17) Carbon Disulfide	1.99	76	82	71.089	ug/l #	71
18) Methyl Acetate	2.49	43	267	1180.726	ug/l #	58
19) Methyl tert-butyl Ether	2.55	73	590	540.282	ug/l #	61
20) Methylene Chloride	2.40	84	62	129.910	ug/l #	1
21) trans-1,2-Dichloroethene	2.32	96	60	119.042	ug/l #	1
22) Diisopropyl ether	2.98	45	60	41.081	ug/l #	39
23) Vinyl Acetate	3.35	43	304	467.012	ug/l #	79
24) 1,1-Dichloroethane	3.09	63	166	188.055	ug/l #	86
25) 2-Butanone	4.59	43	134	808.578	ug/l #	60
26) 2,2-Dichloropropane	3.91	77	465	943.301	ug/l	86
27) cis-1,2-Dichloroethene	3.54	96	216	342.839	ug/l	31
28) Bromochloromethane	4.11	49	72	179.851	ug/l #	1
29) Tetrahydrofuran	4.31	42	155	2035.039	ug/l #	36
31) Cyclohexane	3.84	56	78	110.706	ug/l #	16
32) 1,1,1-Trichloroethane	4.28	97	72	70.444	ug/l #	22
36) 1,1-Dichloropropene	4.67	75	67	121.866	ug/l #	1
37) Ethyl Acetate	4.49	43	807	4207.590	ug/l #	73
38) Carbon Tetrachloride	4.38	117	60	108.467	ug/l #	14
39) Methylcyclohexane	5.90	83	63	114.258	ug/l #	14

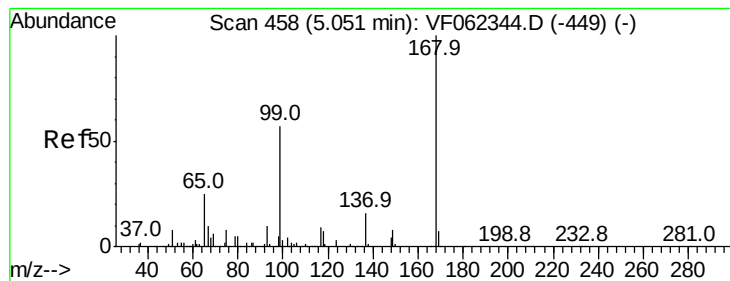
Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF050819\
 Data File : VF062386.D
 Acq On : 8 May 2019 19:24
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Quant Time: May 09 05:03:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F050619S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 04:34:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Benzene	5.03	78	221	182.545	ug/l #	48
41) Methacrylonitrile	5.15	41	357	2708.092	ug/l #	36
42) 1,2-Dichloroethane	5.40	62	69	136.272	ug/l #	82
43) Isopropyl Acetate	7.47	43	437	1747.519	ug/l #	75
45) 1,2-Dichloropropane	6.73	63	76	277.153	ug/l #	43
46) Dibromomethane	6.54	93	64	281.492	ug/l #	1
47) Bromodichloromethane	6.73	83	78	137.218	ug/l #	27
48) Methyl methacrylate	7.22	41	499	2823.660	ug/l #	17
49) 1,4-Dioxane	7.11	88	60	33435.522	ug/l #	34
51) 4-Methyl-2-Pentanone	8.87	43	169	891.877	ug/l #	40
53) t-1,3-Dichloropropene	8.73	75	61	141.884	ug/l #	43
54) cis-1,3-Dichloropropene	7.86	75	60	119.914	ug/l #	1
55) 1,1,2-Trichloroethane	9.00	97	83	350.074	ug/l #	14
56) Ethyl methacrylate	9.23	69	63	251.723	ug/l #	1
57) 1,3-Dichloropropane	9.55	76	69	192.667	ug/l #	1
58) 2-Chloroethyl Vinyl ether	7.79	63	130	1727.713	ug/l #	42
59) 2-Hexanone	10.06	43	193	1472.719	ug/l #	28
60) Dibromochloromethane	9.31	129	85	219.202	ug/l #	11
61) 1,2-Dibromoethane	9.29	107	93	333.742	ug/l	81
64) Tetrachloroethene	8.43	164	65	103.982	ug/l #	1
66) 1,1,1,2-Tetrachloroethane	9.89	131	68	105.804	ug/l	78
67) Ethyl Benzene	10.00	91	94	42.135	ug/l #	45
68) m/p-Xylenes	10.39	106	94	114.199	ug/l #	1
69) o-Xylene	11.02	106	64	71.955	ug/l	33
70) Styrene	10.87	104	70	52.512	ug/l #	28

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.07 min Scan# 461

Delta R.T. 0.02 min

Lab File: VF062386.D

Acq: 8 May 2019 19:24

Instrument :

MSVOA_F

ClientSampleId :

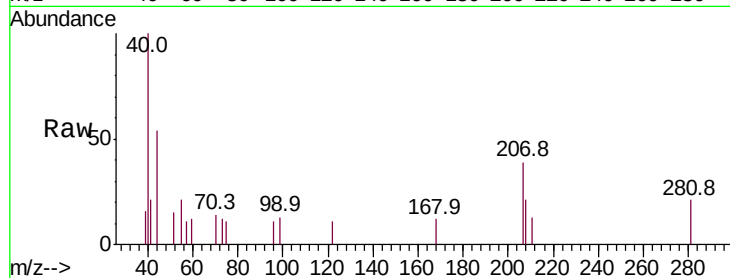
SB-08-1.5-2.0

Tot Ion:168 Resp: 69

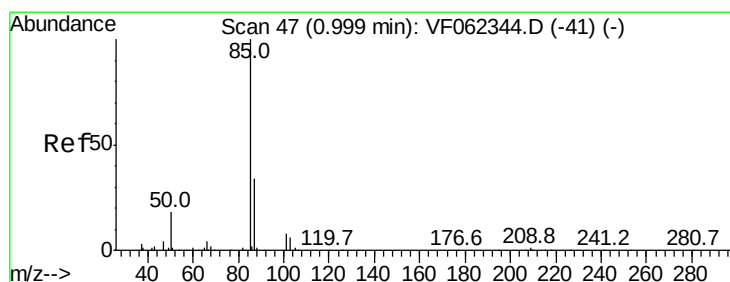
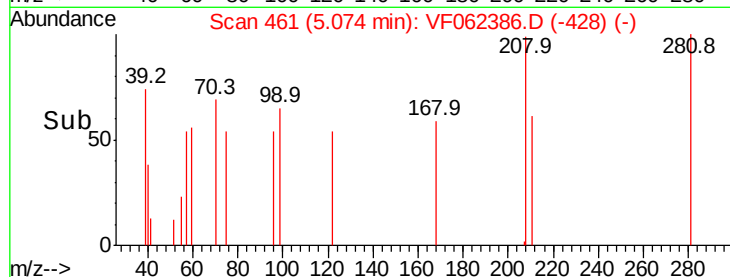
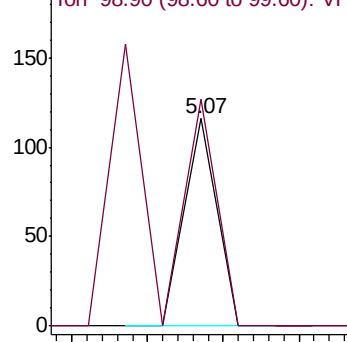
Ion Ratio Lower Upper

168 100

99 109.5 45.9 68.9#



Abundance Ion 167.90 (167.60 to 168.60): VF0



#2

Dichlorodifluoromethane

Concen: 82.649 ug/l

RT: 1.01 min Scan# 49

Delta R.T. 0.01 min

Lab File: VF062386.D

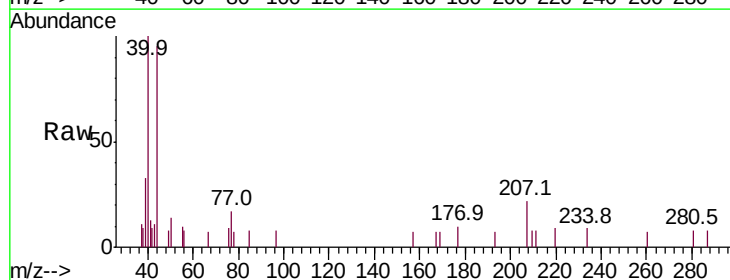
Acq: 8 May 2019 19:24

Tgt Ion: 85 Resp: 66

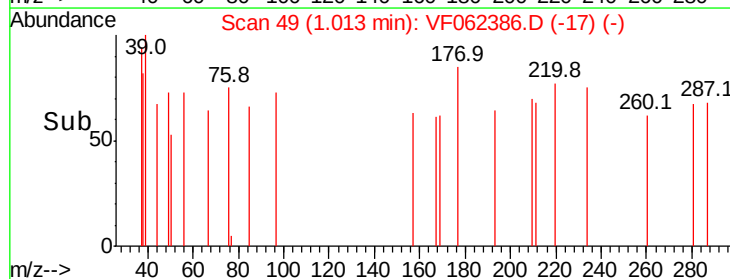
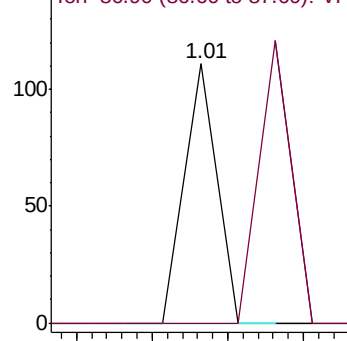
Ion Ratio Lower Upper

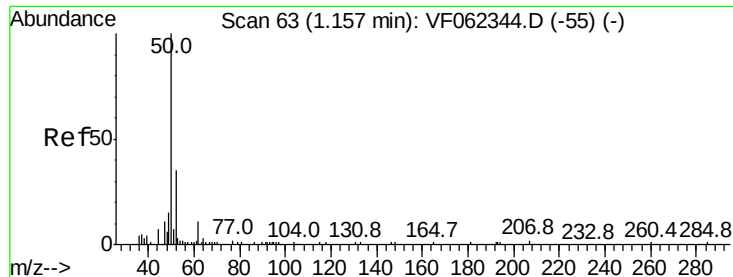
85 100

87 0.0 16.8 50.4#



Abundance Ion 84.90 (84.60 to 85.60): VF0





#3

Chloromethane

Concen: 201.263 ug/l

RT: 1.15 min Scan# 63

Delta R.T. -0.01 min

Lab File: VF062386.D

Acq: 8 May 2019 19:24

Instrument :

MSVOA_F

ClientSampleId :

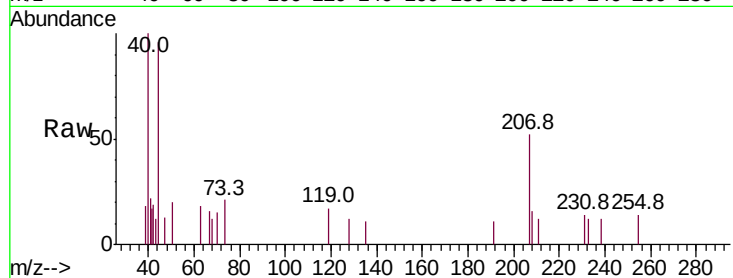
SB-08-1.5-2.0

Tot Ion: 50 Resp: 106

Ion Ratio Lower Upper

50 100

52 0.0 26.1 39.1#



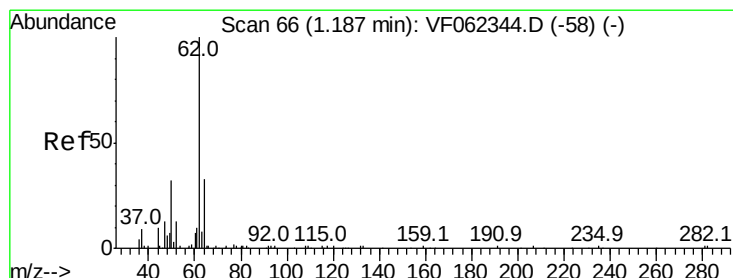
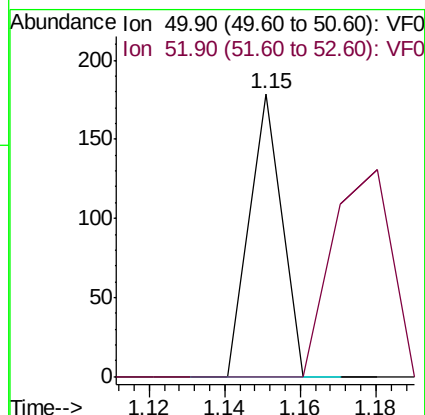
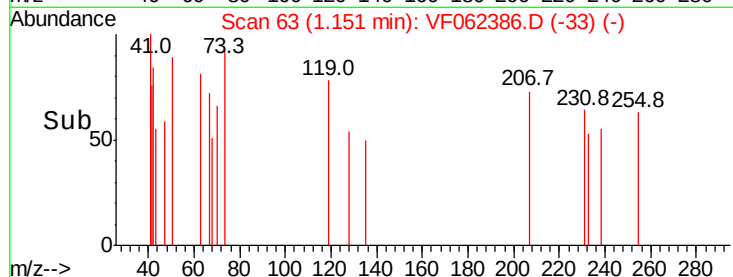
Abundance Ion 49.90 (49.60 to 50.60): VF0

Ion 51.90 (51.60 to 52.60): VF0

1.15

1.16

1.18



#4

Vinyl Chloride

Concen: 118.021 ug/l

RT: 1.22 min Scan# 70

Delta R.T. 0.03 min

Lab File: VF062386.D

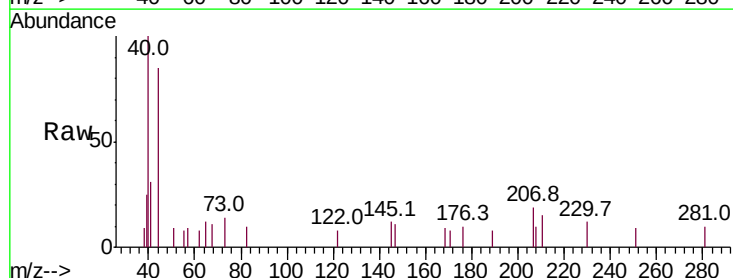
Acq: 8 May 2019 19:24

Tgt Ion: 62 Resp: 62

Ion Ratio Lower Upper

62 100

64 0.0 26.1 39.1#

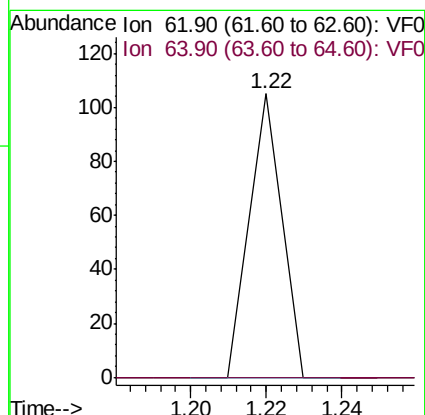
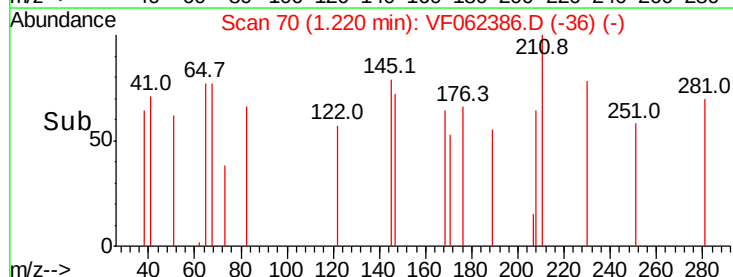


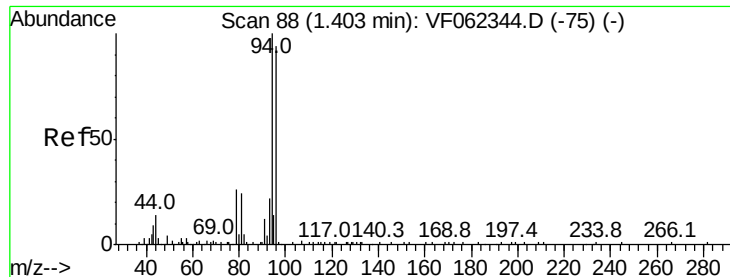
Abundance Ion 61.90 (61.60 to 62.60): VF0

Ion 63.90 (63.60 to 64.60): VF0

1.22

1.24





#5

Bromomethane

Concen: 183.285 ug/l

RT: 1.43 min Scan# 91

Delta R.T. 0.02 min

Lab File: VF062386.D

Acq: 8 May 2019 19:24

Instrument :

MSVOA_F

ClientSampleId :

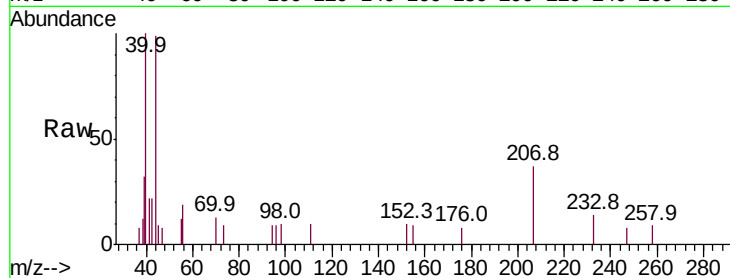
SB-08-1.5-2.0

Tot Ion: 94 Resp: 70

Ion Ratio Lower Upper

94 100

96 100.0 75.4 113.2



Abundance Ion 93.90 (93.60 to 94.60): VF0

Ion 95.90 (95.60 to 96.60): VF0

200

150

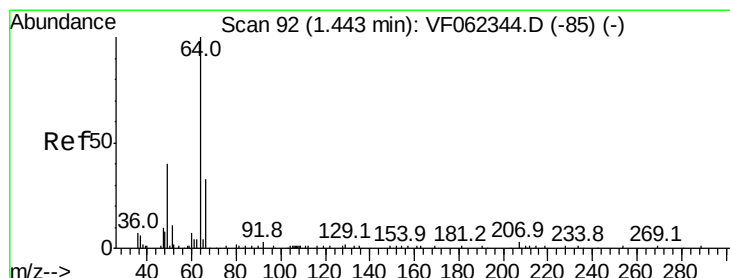
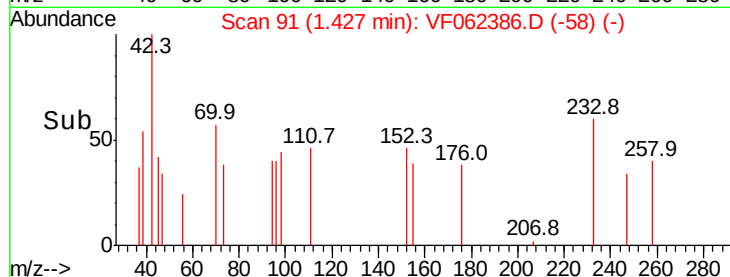
100

50

0

1.40 1.42 1.44 1.46

Time-->



#6

Chloroethane

Concen: 230.961 ug/l

RT: 1.47 min Scan# 95

Delta R.T. 0.02 min

Lab File: VF062386.D

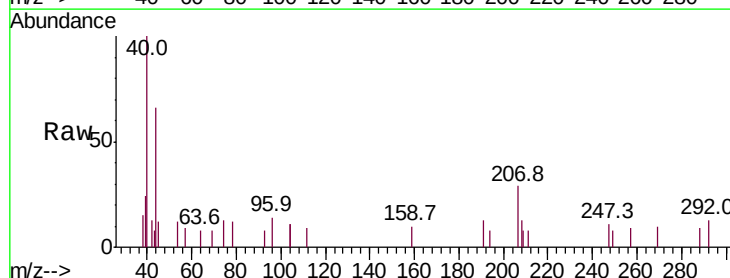
Acq: 8 May 2019 19:24

Tgt Ion: 64 Resp: 61

Ion Ratio Lower Upper

64 100

66 0.0 26.6 39.8#



Abundance Ion 63.90 (63.60 to 64.60): VF0

Ion 65.90 (65.60 to 66.60): VF0

120

100

80

60

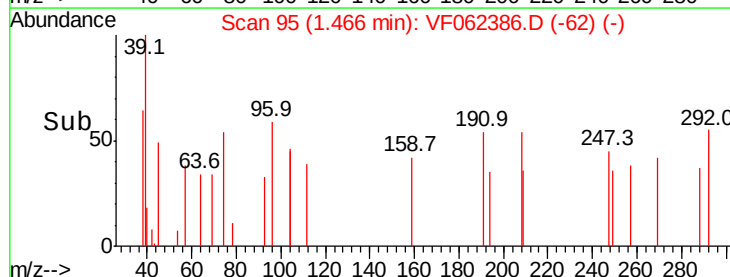
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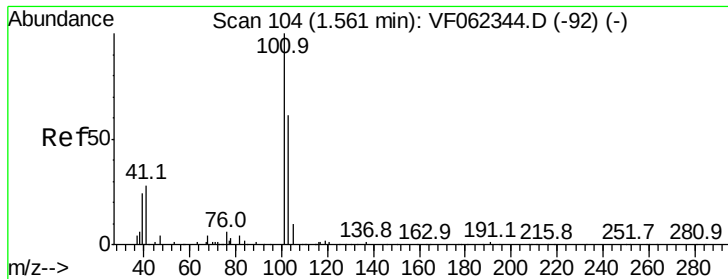
20

0

1.44 1.46 1.48 1.50

Time-->



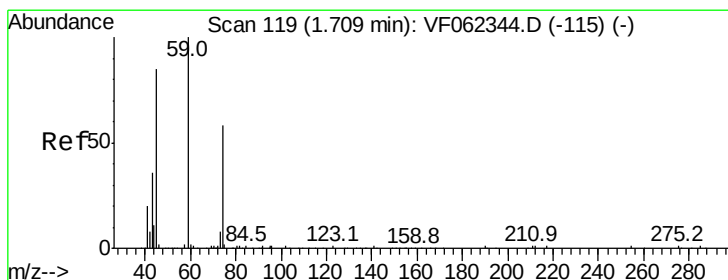
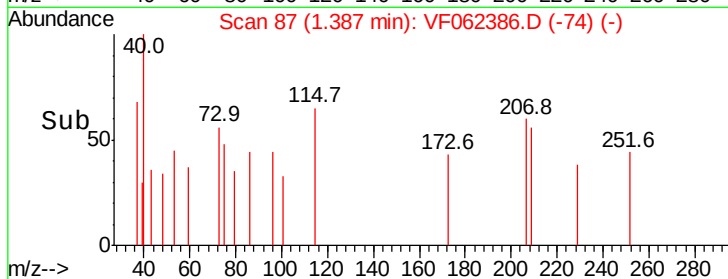
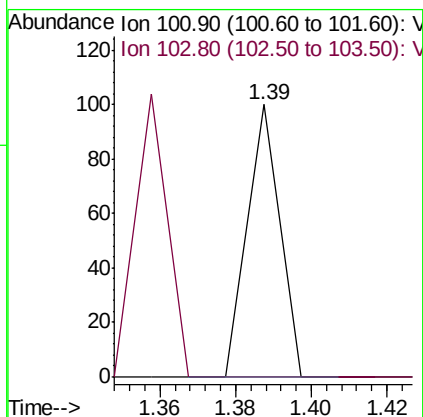
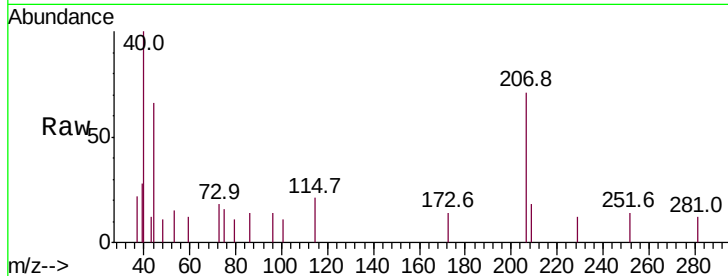


#7

Trichlorofluoromethane
Concen: 54.130 ug/l
RT: 1.39 min Scan# 87
Delta R.T. -0.17 min
Lab File: VF062386.D
Acq: 8 May 2019 19:24

Instrument :
MSVOA_F
ClientSampleId :
SB-08-1.5-2.0

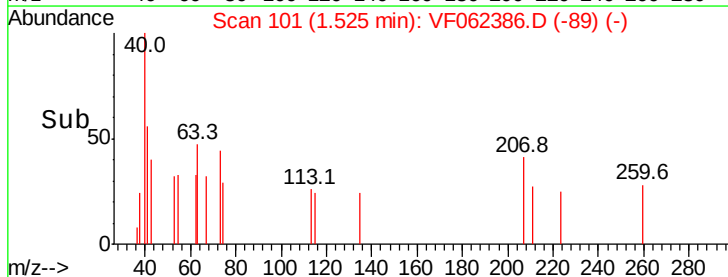
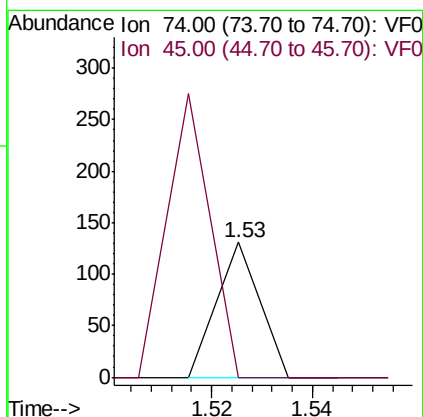
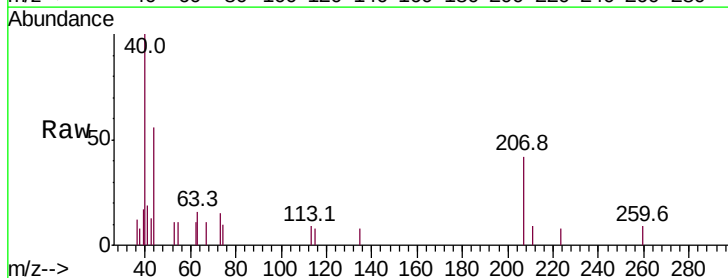
Tot Ion:101 Resp: 59
Ion Ratio Lower Upper
101 100
103 0.0 48.5 72.7#

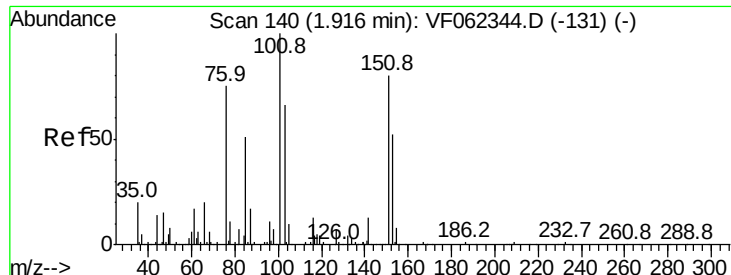


#8

Diethyl Ether
Concen: 466.884 ug/l
RT: 1.53 min Scan# 101
Delta R.T. -0.18 min
Lab File: VF062386.D
Acq: 8 May 2019 19:24

Tgt Ion: 74 Resp: 77
Ion Ratio Lower Upper
74 100
45 211.7 73.9 221.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 110.883 ug/l

RT: 2.13 min Scan# 162

Delta R.T. 0.21 min

Lab File: VF062386.D

Acq: 8 May 2019 19:24

Instrument :

MSVOA_F

ClientSampleId :

SB-08-1.5-2.0

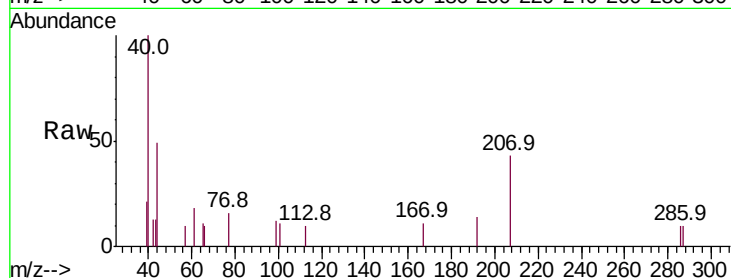
Tot Ion:101 Resp: 69

Ion Ratio Lower Upper

101 100

85 0.0 39.5 59.3#

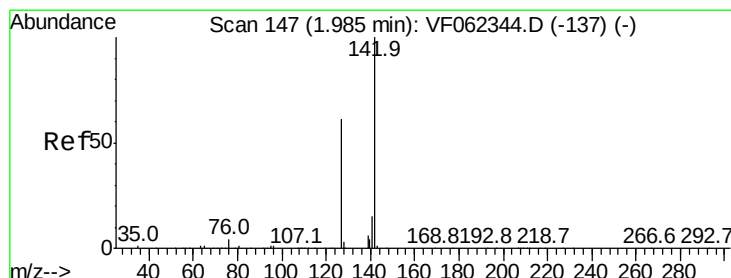
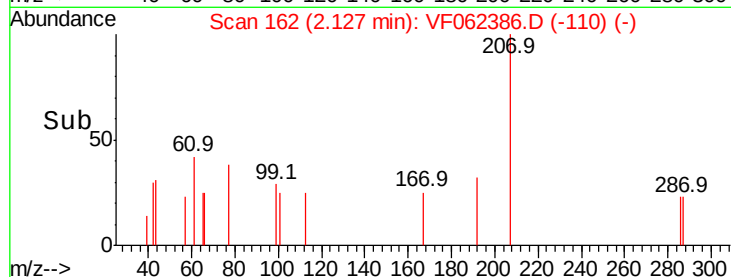
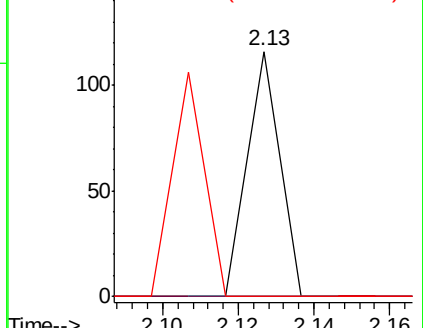
151 91.3 59.9 89.9#



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VF0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 155.050 ug/l

RT: 2.08 min Scan# 157

Delta R.T. 0.09 min

Lab File: VF062386.D

Acq: 8 May 2019 19:24

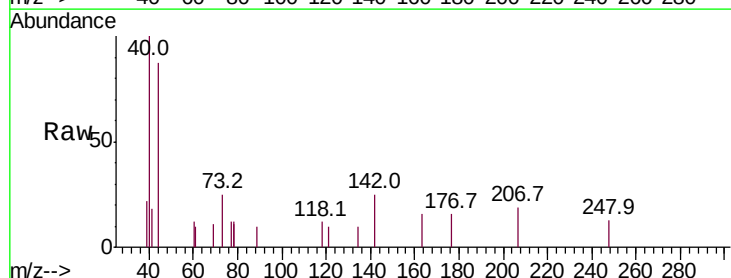
Tgt Ion:142 Resp: 159

Ion Ratio Lower Upper

142 100

127 0.0 48.4 72.6#

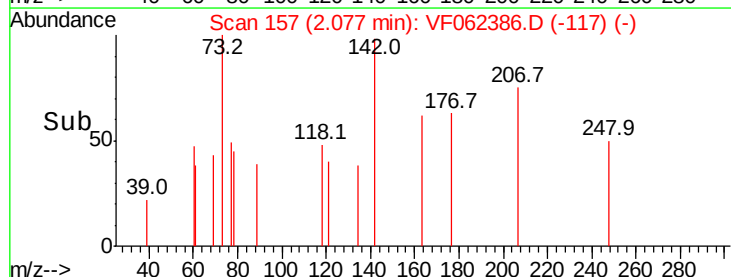
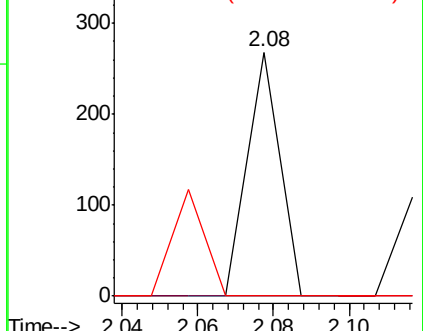
141 43.4 12.2 18.4#

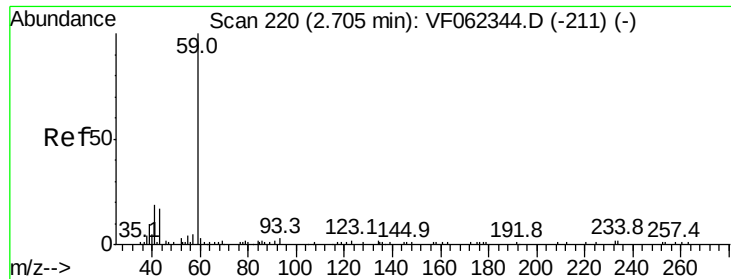


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

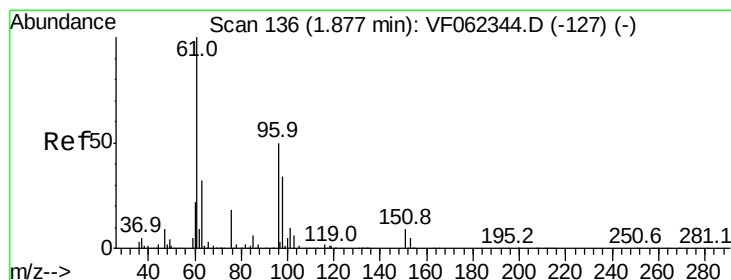
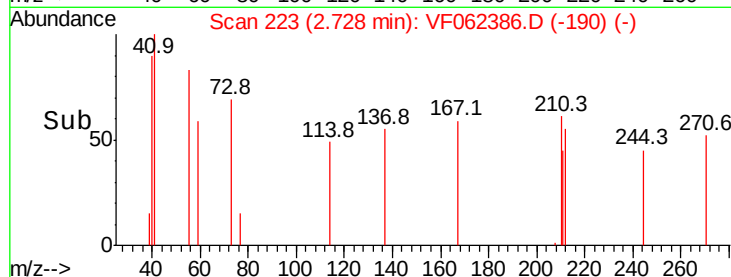
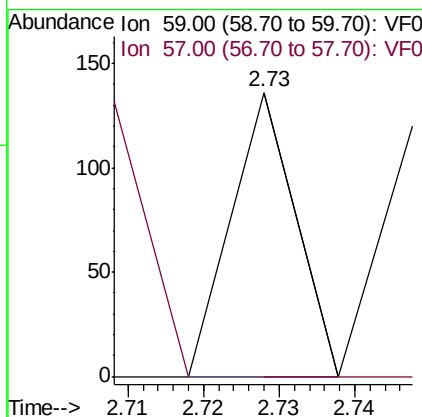
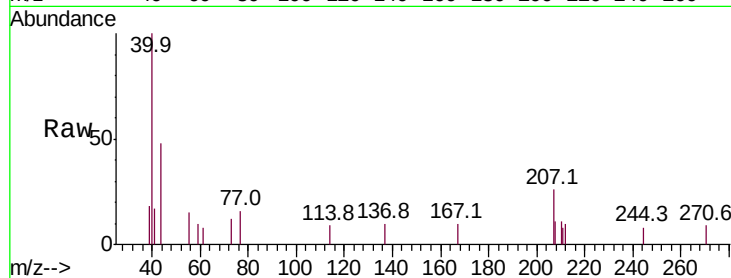




#11
Tert butyl alcohol
Concen: 2170.748 ug/l
RT: 2.73 min Scan# 223
Delta R.T. 0.02 min
Lab File: VF062386.D
Acq: 8 May 2019 19:24

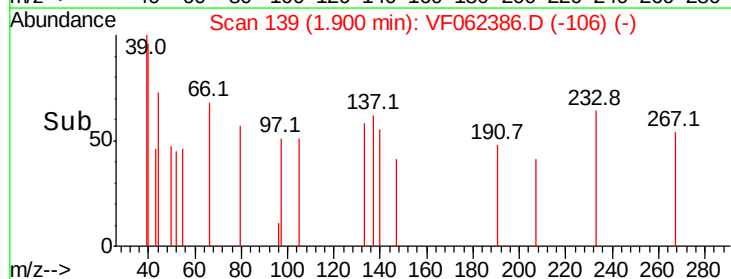
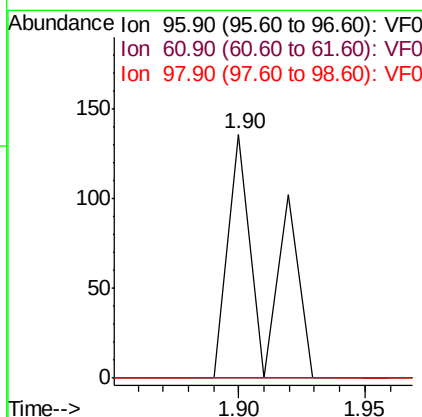
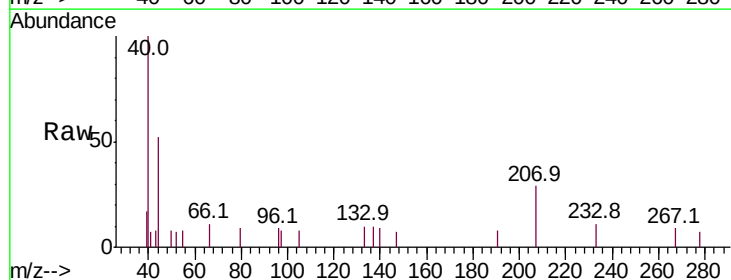
Instrument :
MSVOA_F
ClientSampled :
SB-08-1.5-2.0

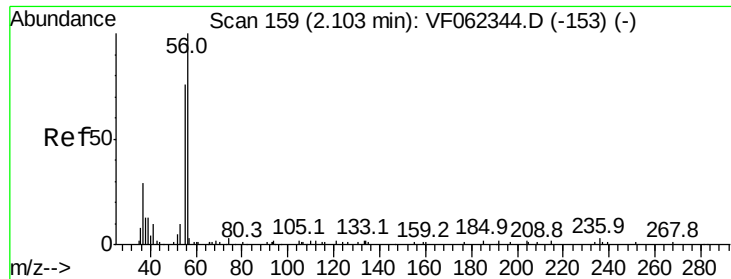
Tot Ion: 59 Resp: 80
Ion Ratio Lower Upper
59 100
57 97.5 9.3 13.9#



#12
1,1-Dichloroethene
Concen: 266.532 ug/l
RT: 1.90 min Scan# 139
Delta R.T. 0.02 min
Lab File: VF062386.D
Acq: 8 May 2019 19:24

Tgt Ion: 96 Resp: 141
Ion Ratio Lower Upper
96 100
61 0.0 163.2 244.8#
98 0.0 55.2 82.8#





#13

Acrolein

Concen: 3237.353 ug/l

RT: 2.07 min Scan# 156

Delta R.T. -0.04 min

Lab File: VF062386.D

Acq: 8 May 2019 19:24

Instrument :

MSVOA_F

ClientSampleId :

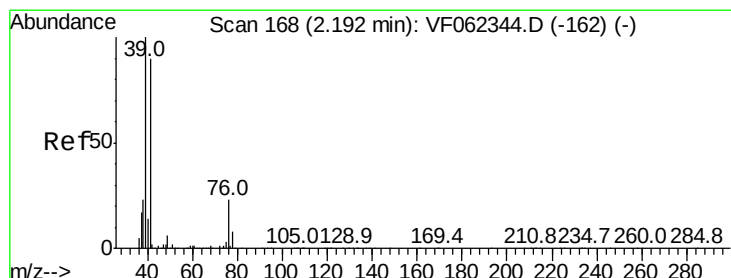
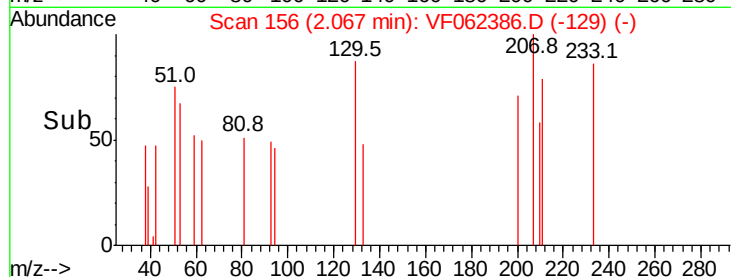
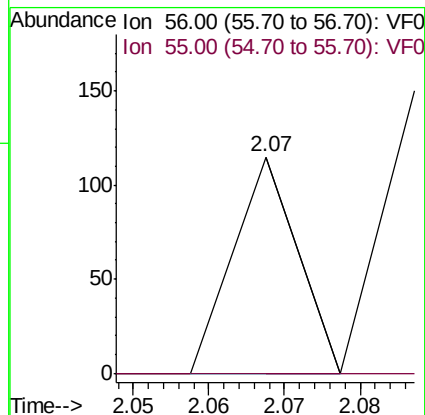
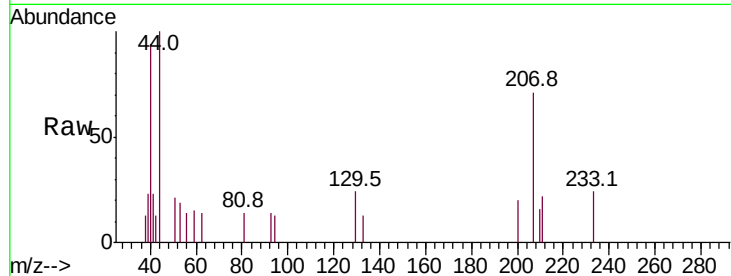
SB-08-1.5-2.0

Tot Ion: 56 Resp: 68

Ion Ratio Lower Upper

56 100

55 0.0 58.4 87.6#



#14

Allyl chloride

Concen: 1416.621 ug/l

RT: 2.18 min Scan# 167

Delta R.T. -0.02 min

Lab File: VF062386.D

Acq: 8 May 2019 19:24

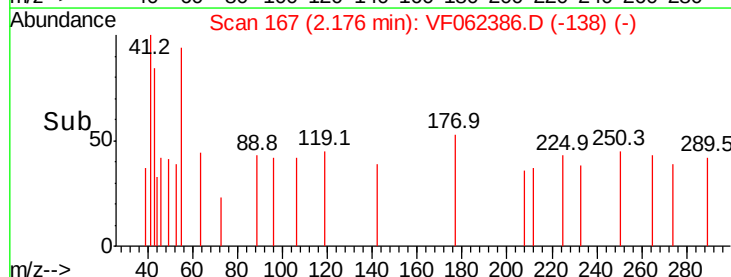
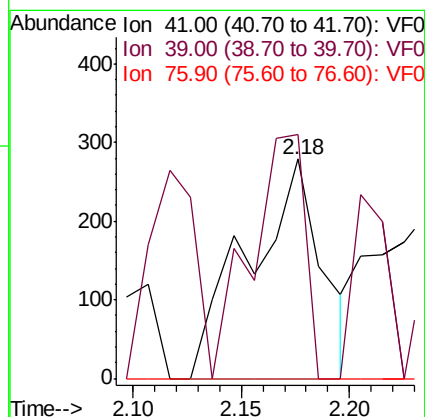
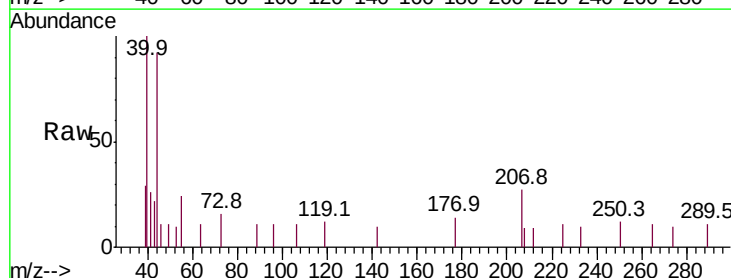
Tgt Ion: 41 Resp: 662

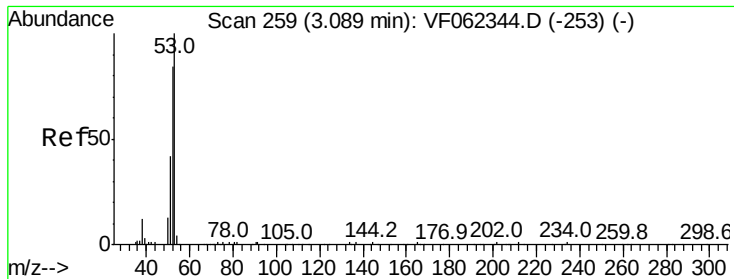
Ion Ratio Lower Upper

41 100

39 80.8 90.8 136.2#

76 0.0 22.2 33.4#





#15

Acrylonitrile

Concen: 1360.829 ug/l

RT: 3.11 min Scan# 262

Delta R.T. 0.02 min

Lab File: VF062386.D

Acq: 8 May 2019 19:24

Instrument :

MSVOA_F

ClientSampled :

SB-08-1.5-2.0

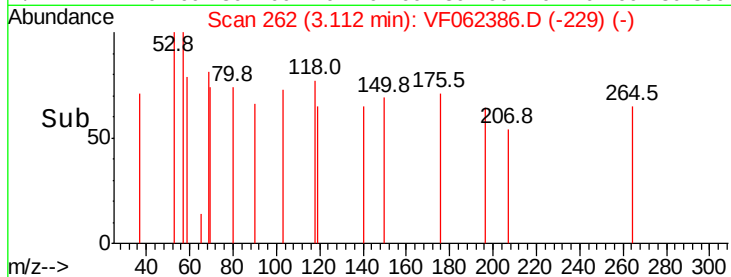
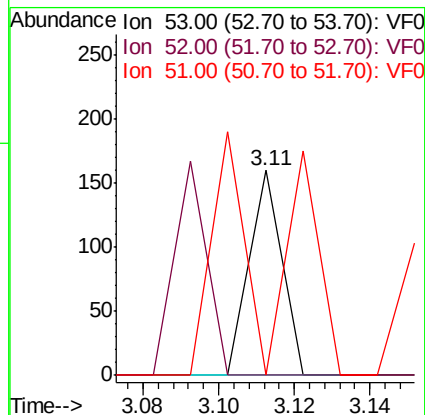
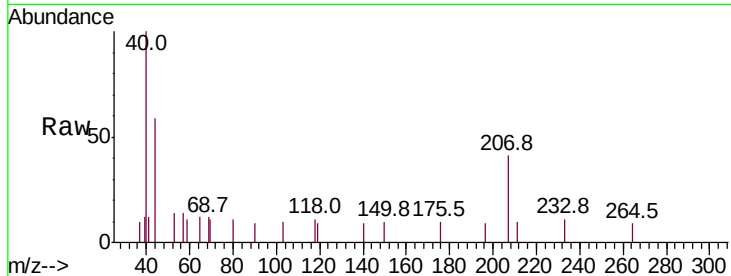
Tot Ion: 53 Resp: 95

Ion Ratio Lower Upper

53 100

52 104.2 77.2 115.8

51 227.4 40.6 61.0#



#16

Acetone

Concen: 2168.133 ug/l

RT: 2.35 min Scan# 185

Delta R.T. 0.00 min

Lab File: VF062386.D

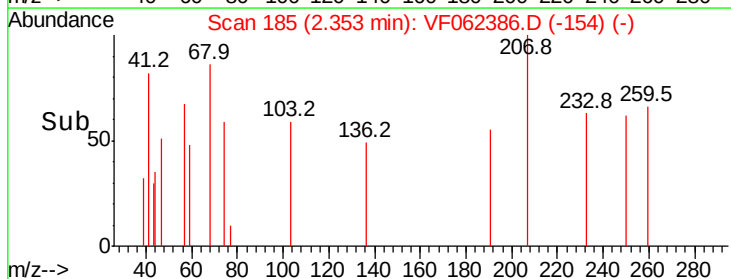
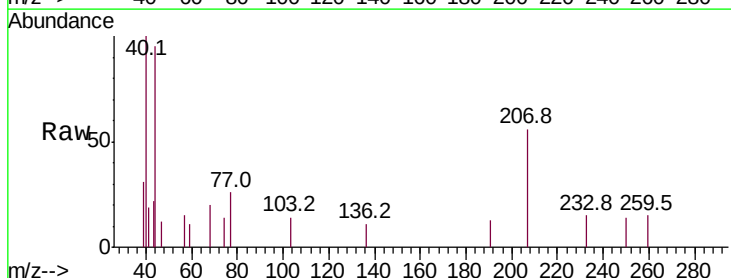
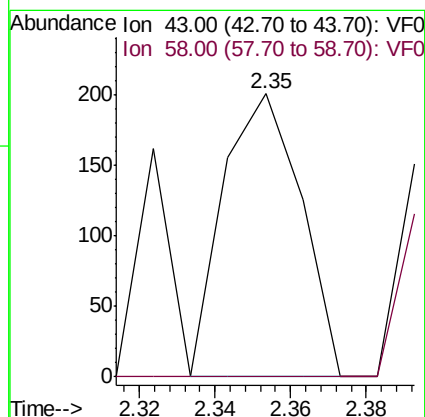
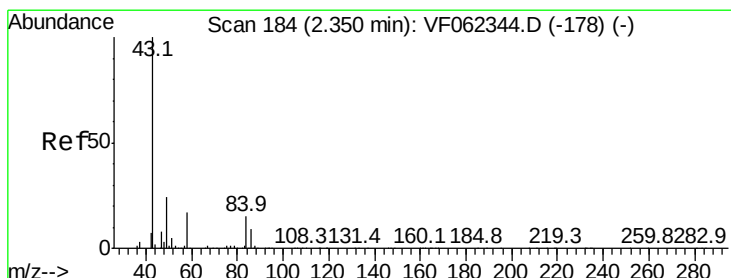
Acq: 8 May 2019 19:24

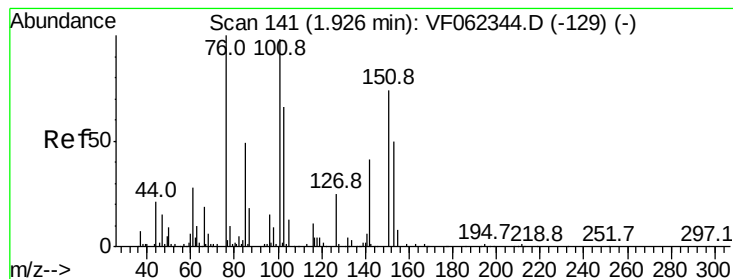
Tgt Ion: 43 Resp: 286

Ion Ratio Lower Upper

43 100

58 0.0 13.1 19.7#





#17

Carbon Disulfide

Concen: 71.089 ug/l

RT: 1.99 min Scan# 148

Delta R.T. 0.06 min

Lab File: VF062386.D

Acq: 8 May 2019 19:24

Instrument :

MSVOA_F

ClientSampleId :

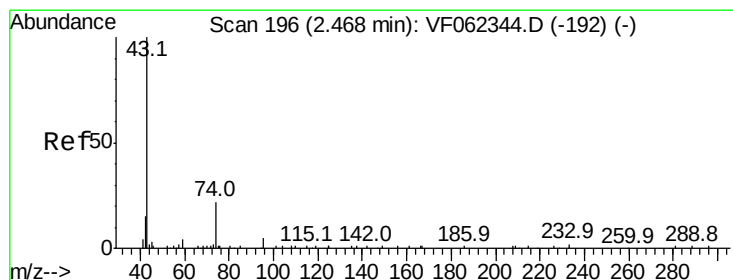
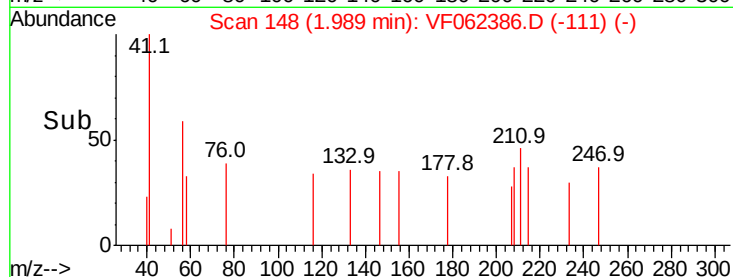
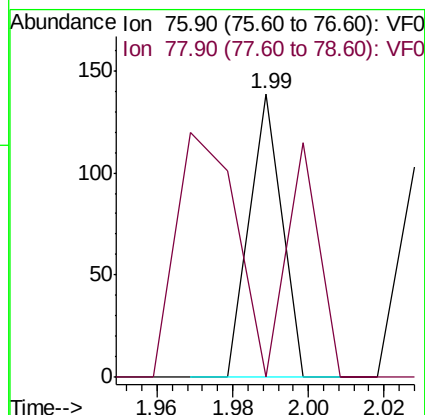
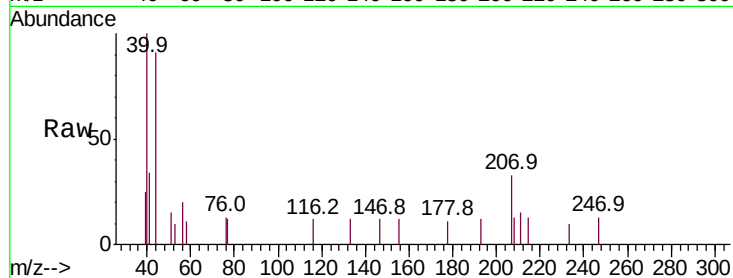
SB-08-1.5-2.0

Tot Ion: 76 Resp: 82

Ion Ratio Lower Upper

76 100

78 0.0 9.0 13.4#



#18

Methyl Acetate

Concen: 1180.726 ug/l

RT: 2.49 min Scan# 199

Delta R.T. 0.02 min

Lab File: VF062386.D

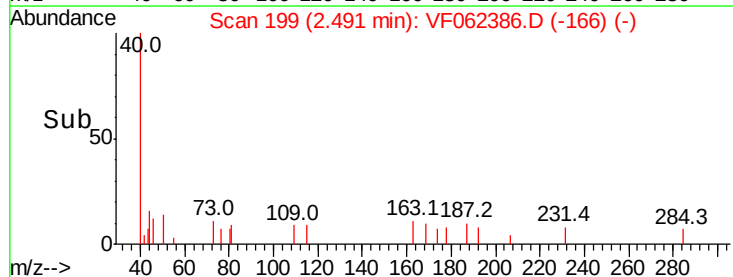
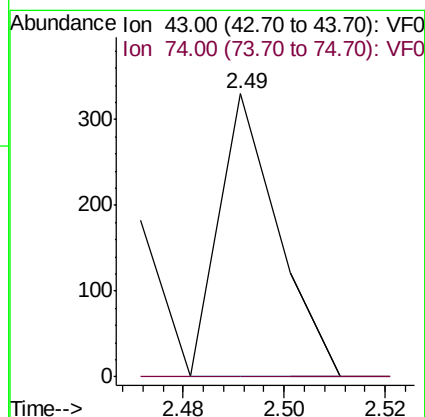
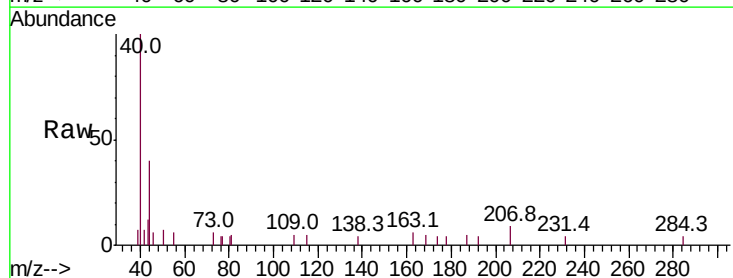
Acq: 8 May 2019 19:24

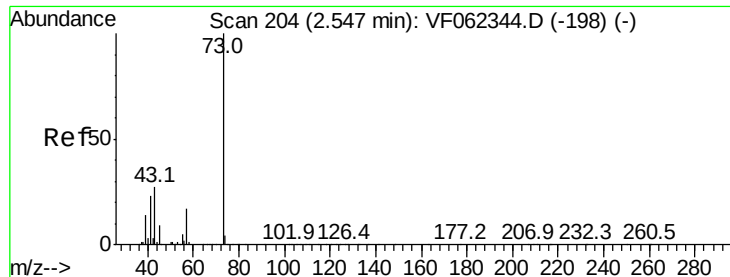
Tgt Ion: 43 Resp: 267

Ion Ratio Lower Upper

43 100

74 0.0 15.0 22.4#



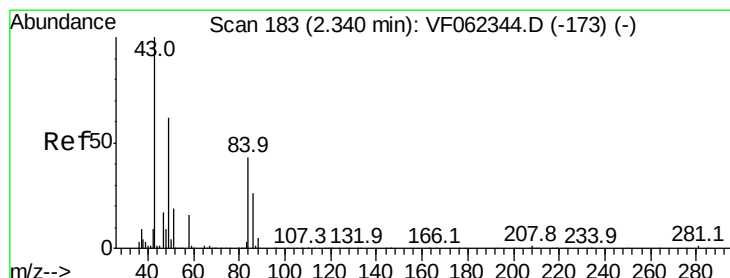
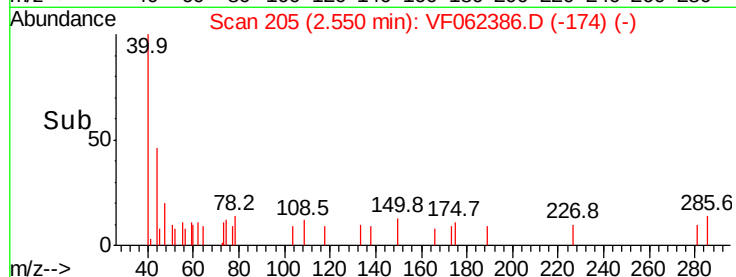
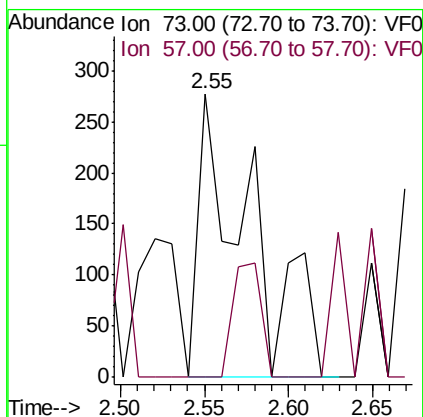
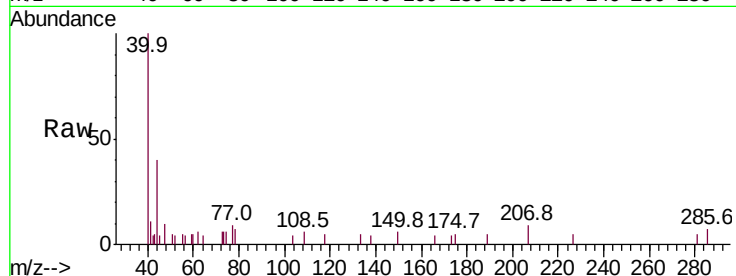


#19

Methyl tert-butyl Ether
 Concen: 540.282 ug/l
 RT: 2.55 min Scan# 205
 Delta R.T. 0.00 min
 Lab File: VF062386.D
 Acq: 8 May 2019 19:24

Instrument :
 MSVOA_F
 ClientSampleId :
 SB-08-1.5-2.0

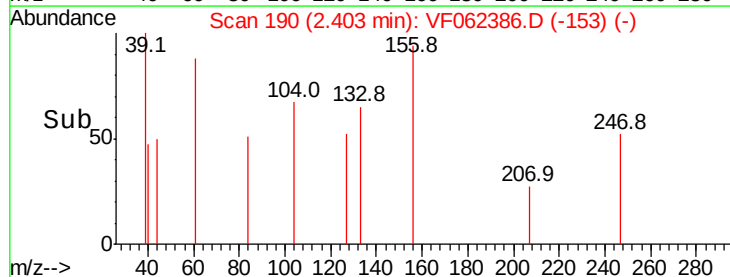
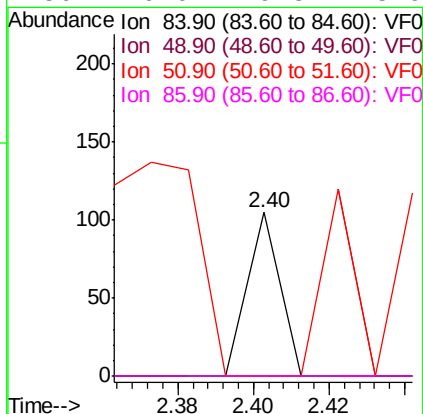
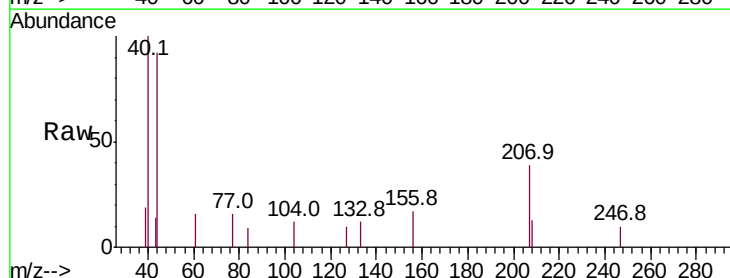
Tot Ion: 73 Resp: 590
 Ion Ratio Lower Upper
 73 100
 57 0.0 13.7 20.5#

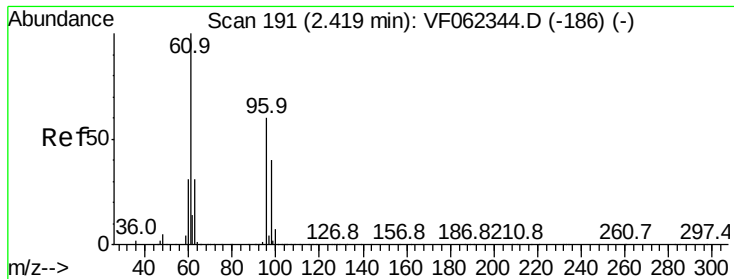


#20

Methylene Chloride
 Concen: 129.910 ug/l
 RT: 2.40 min Scan# 190
 Delta R.T. 0.06 min
 Lab File: VF062386.D
 Acq: 8 May 2019 19:24

Tgt Ion: 84 Resp: 62
 Ion Ratio Lower Upper
 84 100
 49 0.0 117.5 176.3#
 51 0.0 37.0 55.4#
 86 0.0 49.3 73.9#





#21

trans-1,2-Dichloroethene

Concen: 119.042 ug/l

RT: 2.32 min Scan# 182

Delta R.T. -0.09 min

Lab File: VF062386.D

Acq: 8 May 2019 19:24

Instrument :

MSVOA_F

ClientSampleId :

SB-08-1.5-2.0

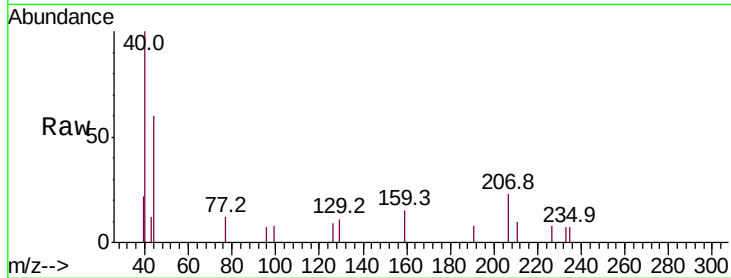
Tot Ion: 96 Resp: 60

Ion Ratio Lower Upper

96 100

61 0.0 133.2 199.8#

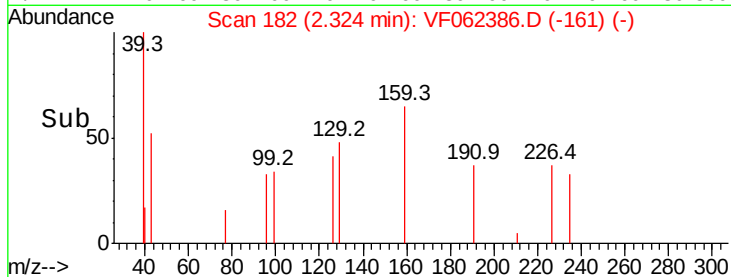
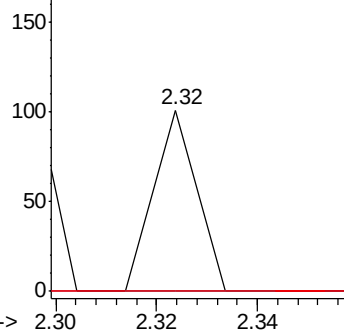
98 0.0 53.1 79.7#



Abundance Ion 95.90 (95.60 to 96.60): VF0

Ion 60.90 (60.60 to 61.60): VF0

Ion 97.90 (97.60 to 98.60): VF0



#22

Diisopropyl ether

Concen: 41.081 ug/l

RT: 2.98 min Scan# 249

Delta R.T. 0.04 min

Lab File: VF062386.D

Acq: 8 May 2019 19:24

Tgt Ion: 45 Resp: 60

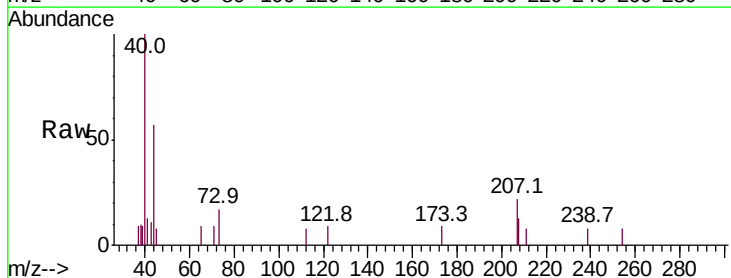
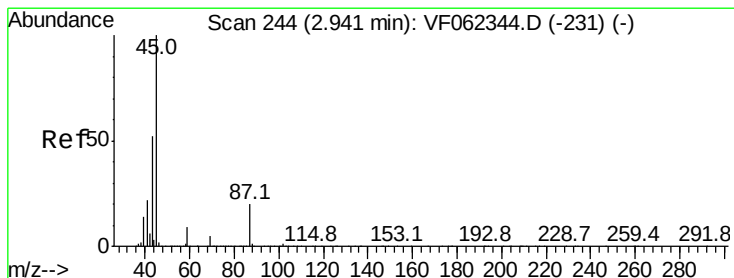
Ion Ratio Lower Upper

45 100

43 0.0 41.4 62.0#

87 0.0 15.8 23.6#

59 0.0 7.2 10.8#

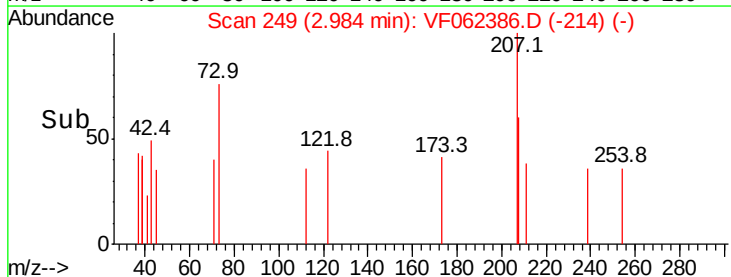
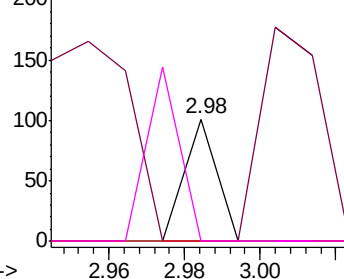


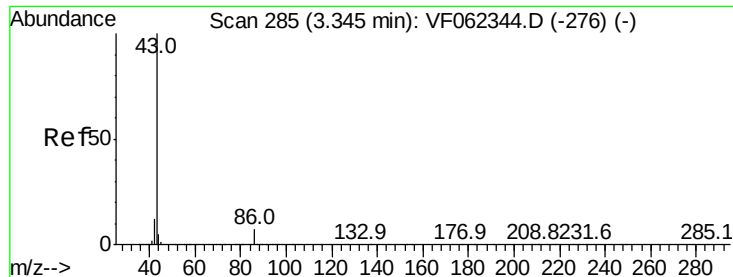
Abundance Ion 45.00 (44.70 to 45.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

Ion 59.00 (58.70 to 59.70): VF0





#23

Vinyl Acetate

Concen: 467.012 ug/l

RT: 3.35 min Scan# 286

Delta R.T. 0.00 min

Lab File: VF062386.D

Acq: 8 May 2019 19:24

Instrument :

MSVOA_F

ClientSampleId :

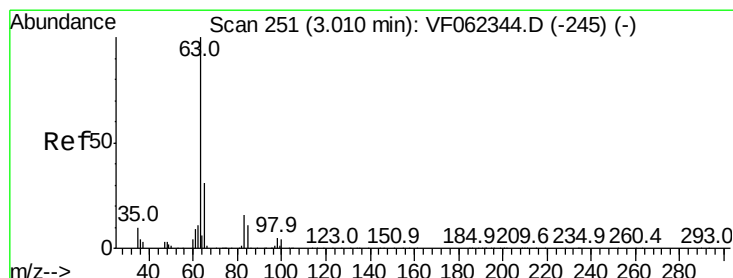
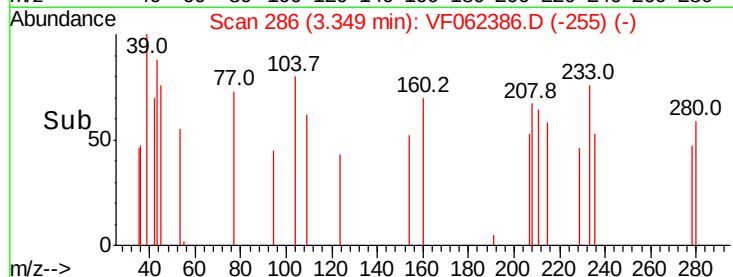
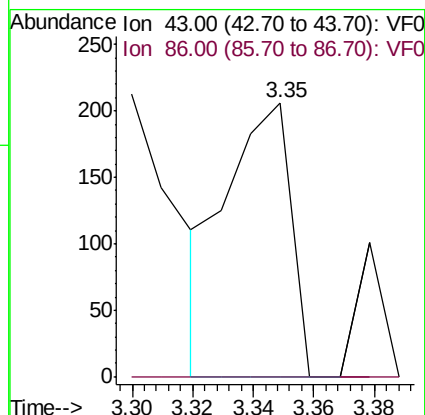
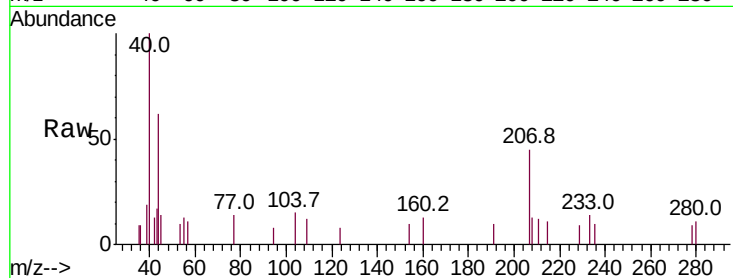
SB-08-1.5-2.0

Tot Ion: 43 Resp: 304

Ion Ratio Lower Upper

43 100

86 0.0 5.7 8.5#



#24

1,1-Dichloroethane

Concen: 188.055 ug/l

RT: 3.09 min Scan# 260

Delta R.T. 0.08 min

Lab File: VF062386.D

Acq: 8 May 2019 19:24

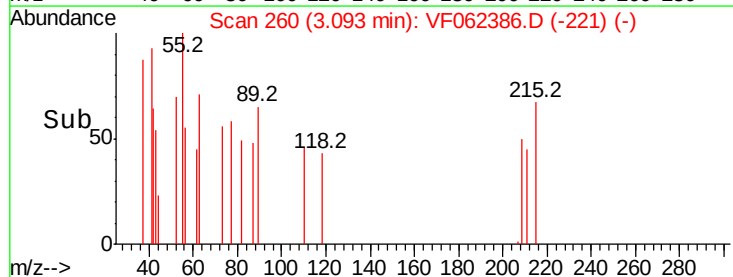
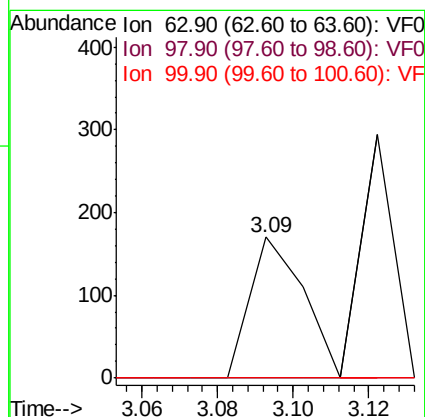
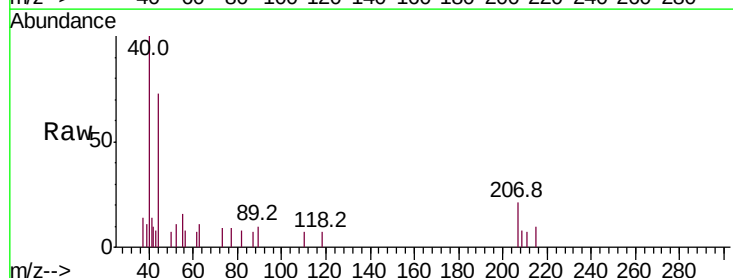
Tgt Ion: 63 Resp: 166

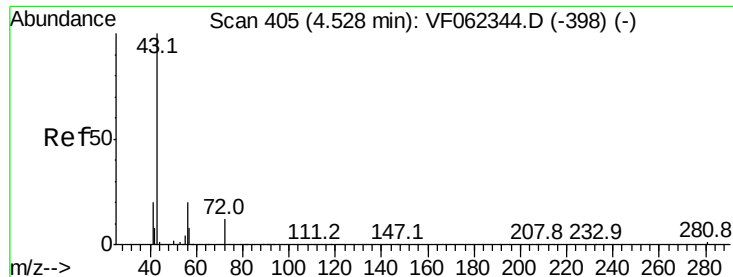
Ion Ratio Lower Upper

63 100

98 0.0 2.6 8.0#

100 0.0 1.8 5.4#





#25

2-Butanone

Concen: 808.578 ug/l

RT: 4.59 min Scan# 412

Delta R.T. 0.06 min

Lab File: VF062386.D

Acq: 8 May 2019 19:24

Instrument :

MSVOA_F

ClientSampleId :

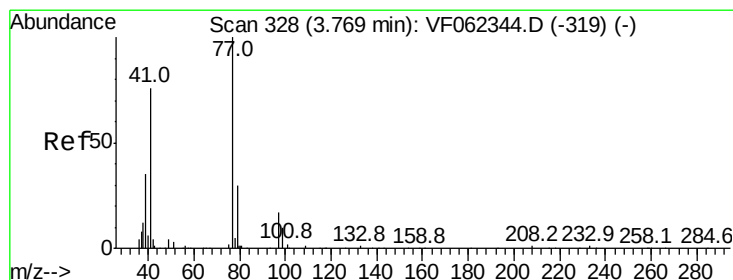
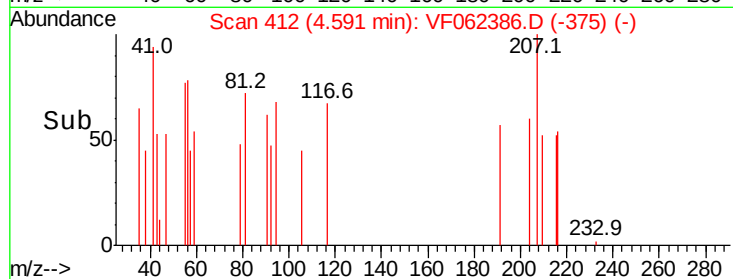
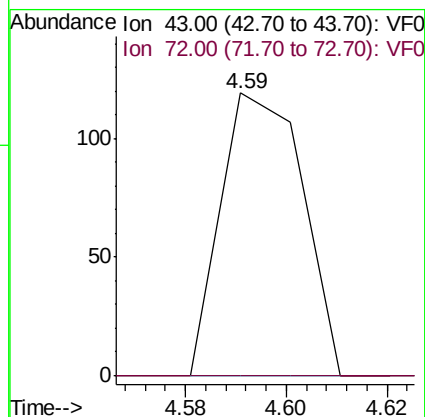
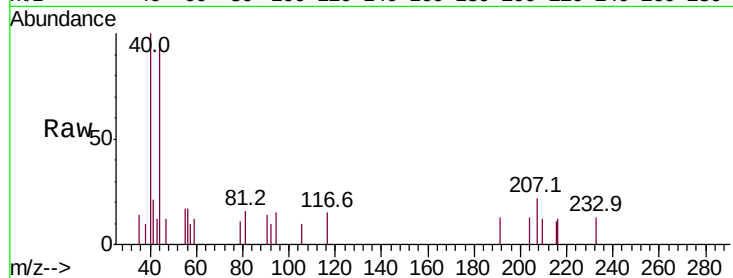
SB-08-1.5-2.0

Tot Ion: 43 Resp: 134

Ion Ratio Lower Upper

43 100

72 0.0 14.2 21.4#



#26

2,2-Dichloropropane

Concen: 943.301 ug/l

RT: 3.91 min Scan# 343

Delta R.T. 0.14 min

Lab File: VF062386.D

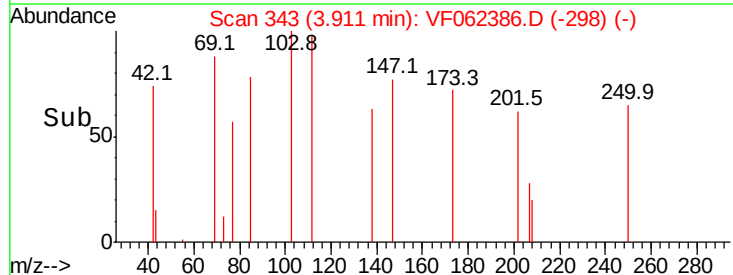
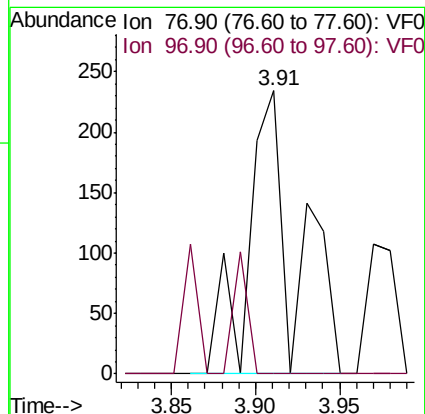
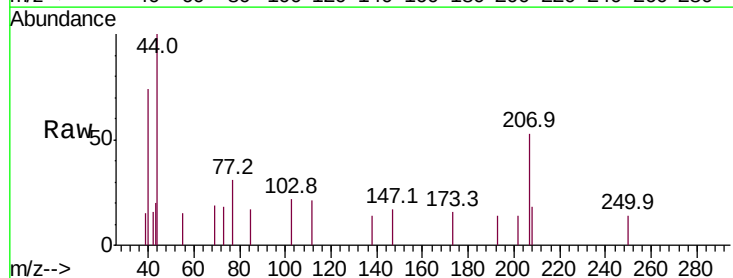
Acq: 8 May 2019 19:24

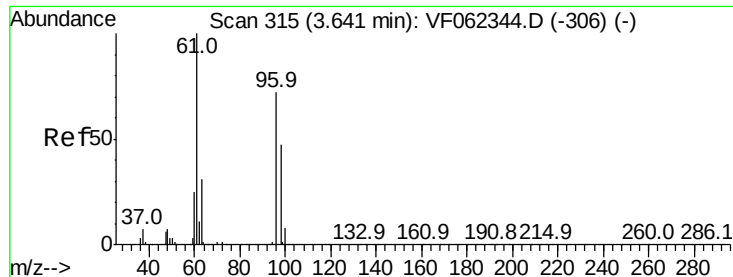
Tgt Ion: 77 Resp: 465

Ion Ratio Lower Upper

77 100

97 12.9 9.5 28.5



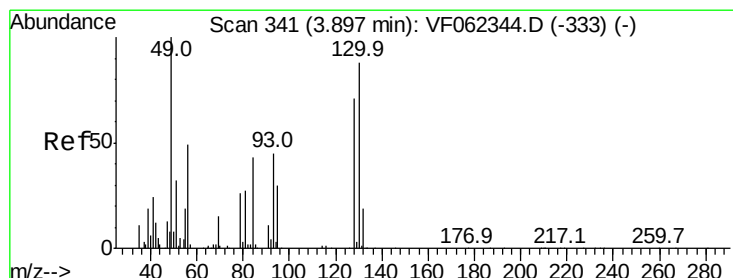
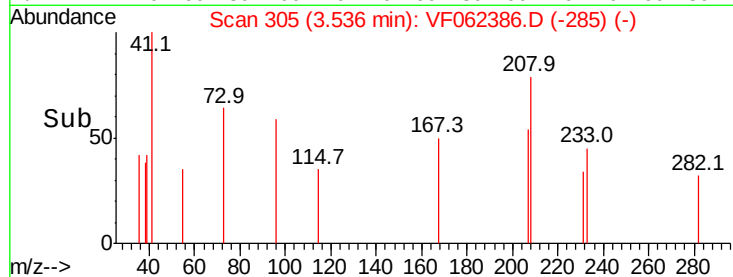
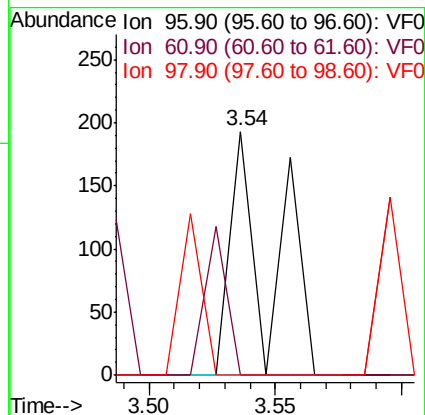
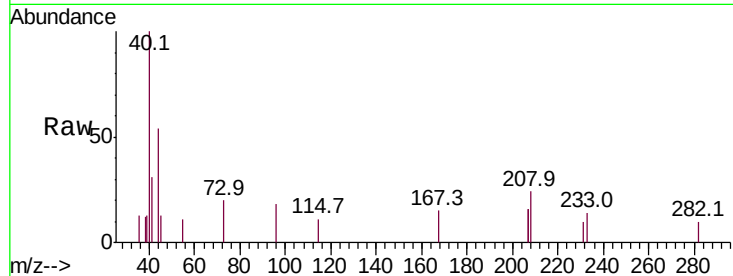


#27

cis-1,2-Dichloroethene
Concen: 342.839 ug/l
RT: 3.54 min Scan# 305
Delta R.T. -0.10 min
Lab File: VF062386.D
Acq: 8 May 2019 19:24

Instrument :
MSVOA_F
ClientSampleId :
SB-08-1.5-2.0

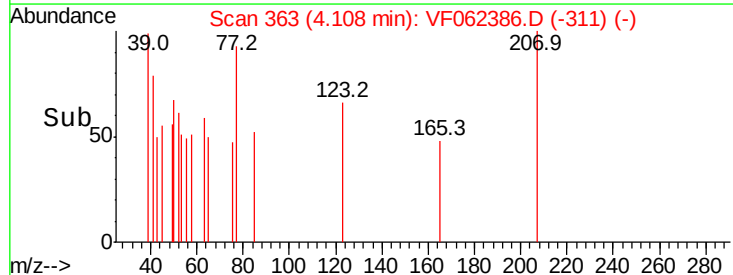
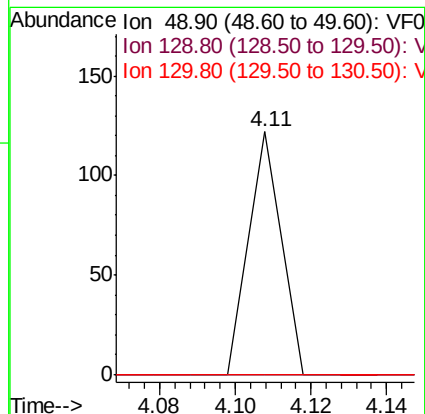
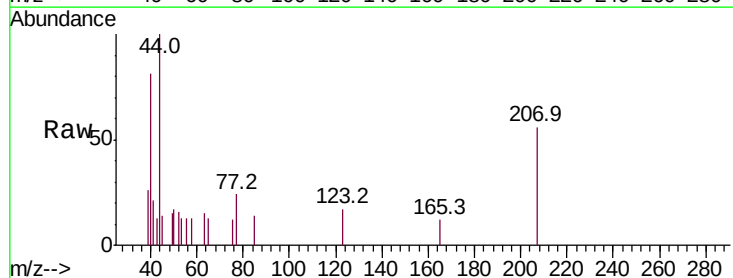
Tot Ion: 96 Resp: 216
Ion Ratio Lower Upper
96 100
61 32.4 0.0 263.0
98 35.2 0.0 130.8

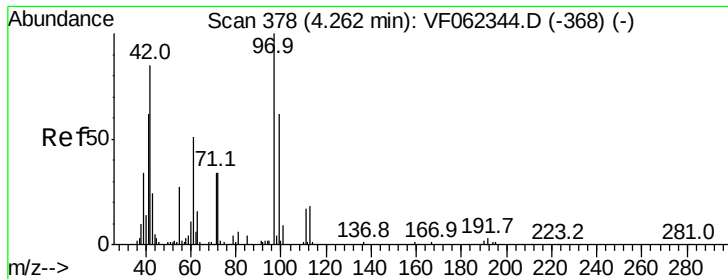


#28

Bromochloromethane
Concen: 179.851 ug/l
RT: 4.11 min Scan# 363
Delta R.T. 0.21 min
Lab File: VF062386.D
Acq: 8 May 2019 19:24

Tgt Ion: 49 Resp: 72
Ion Ratio Lower Upper
49 100
129 0.0 0.0 2.2
130 0.0 79.4 119.0#





#29

Tetrahydrofuran

Concen: 2035.039 ug/l

RT: 4.31 min Scan# 384

Delta R.T. 0.05 min

Lab File: VF062386.D

Acq: 8 May 2019 19:24

Instrument :

MSVOA_F

ClientSampleId :

SB-08-1.5-2.0

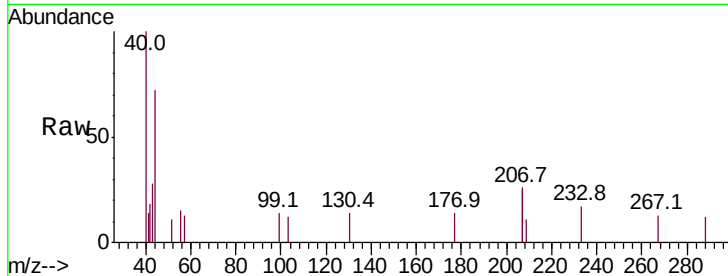
Tot Ion: 42 Resp: 155

Ion Ratio Lower Upper

42 100

72 0.0 31.4 47.0#

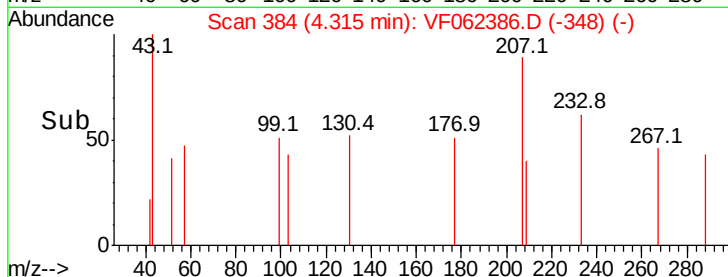
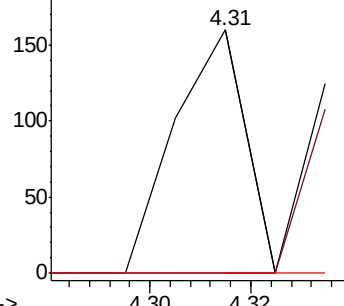
71 0.0 31.7 47.5#



Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0



#31

Cyclohexane

Concen: 110.706 ug/l

RT: 3.84 min Scan# 336

Delta R.T. -0.04 min

Lab File: VF062386.D

Acq: 8 May 2019 19:24

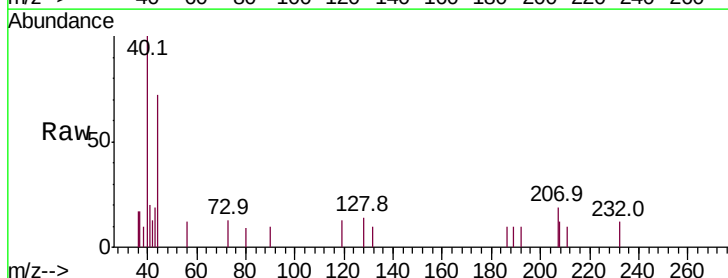
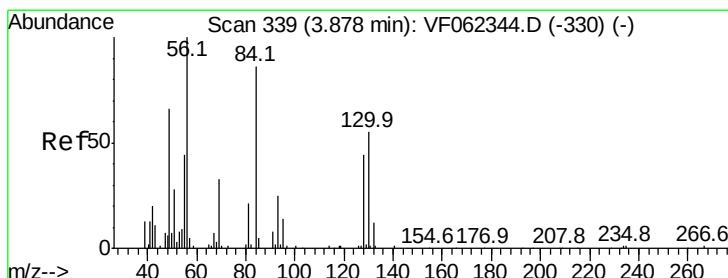
Tgt Ion: 56 Resp: 78

Ion Ratio Lower Upper

56 100

69 0.0 26.4 39.6#

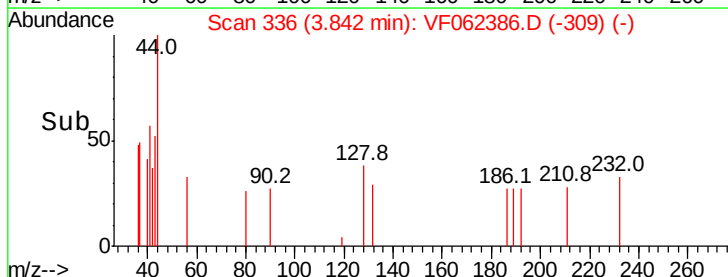
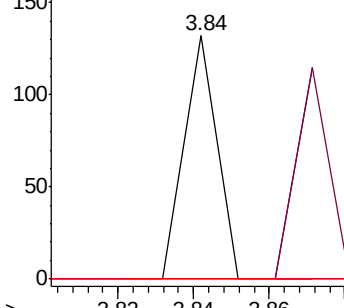
84 0.0 69.0 103.6#

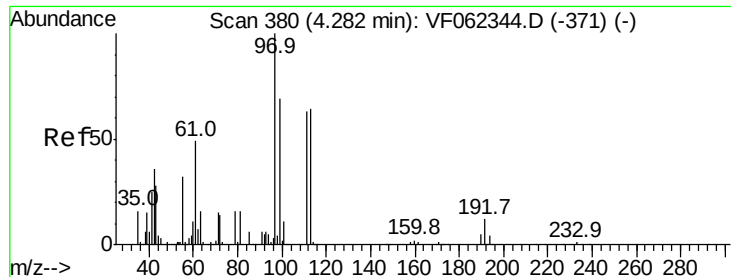


Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 84.00 (83.70 to 84.70): VF0





#32

1,1,1-Trichloroethane

Concen: 70.444 ug/l

RT: 4.28 min Scan# 380

Delta R.T. -0.01 min

Lab File: VF062386.D

Acq: 8 May 2019 19:24

Instrument :

MSVOA_F

ClientSampleId :

SB-08-1.5-2.0

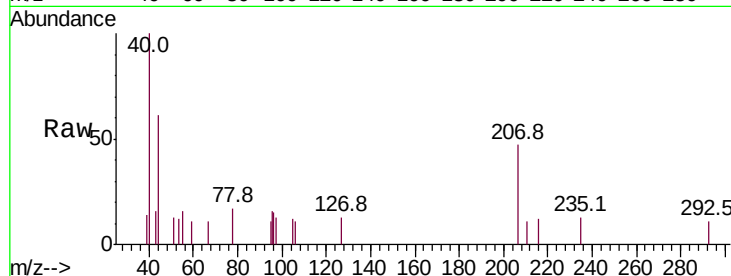
Tot Ion: 97 Resp: 72

Ion Ratio Lower Upper

97 100

99 0.0 52.6 78.8#

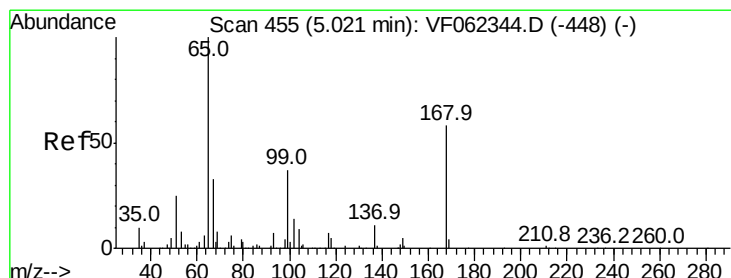
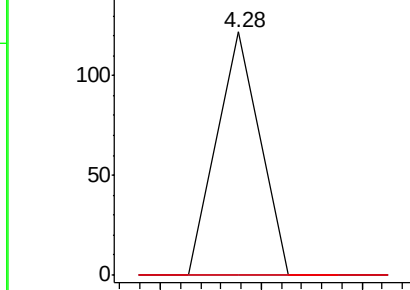
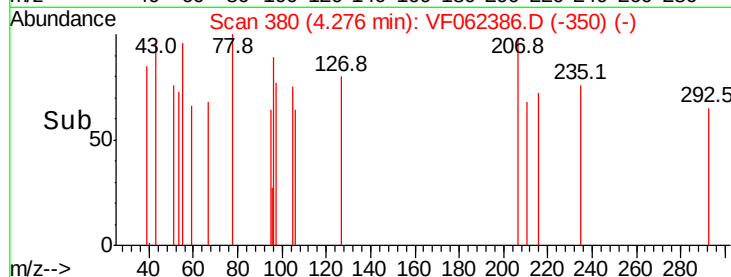
61 0.0 39.4 59.0#



Abundance Ion 96.90 (96.60 to 97.60): VF0

Ion 98.90 (98.60 to 99.60): VF0

Ion 60.90 (60.60 to 61.60): VF0



#33

1,2-Dichloroethane-d4

Concen: 105.815 ug/l

RT: 5.00 min Scan# 453

Delta R.T. -0.03 min

Lab File: VF062386.D

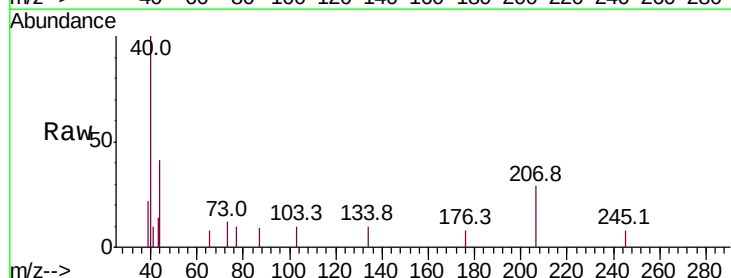
Acq: 8 May 2019 19:24

Tgt Ion: 65 Resp: 69

Ion Ratio Lower Upper

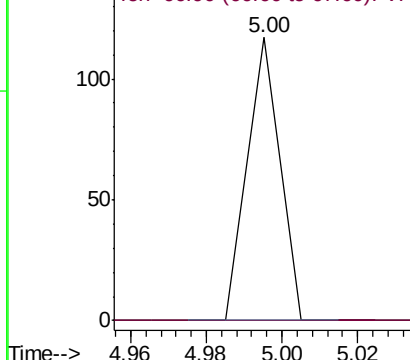
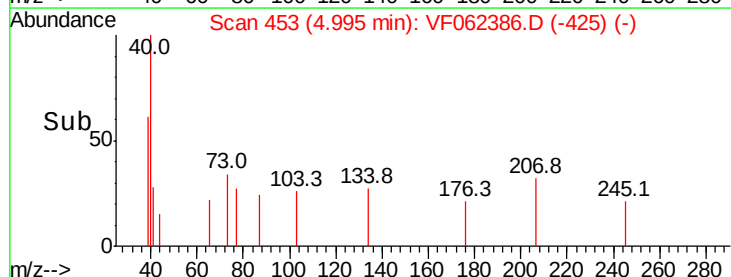
65 100

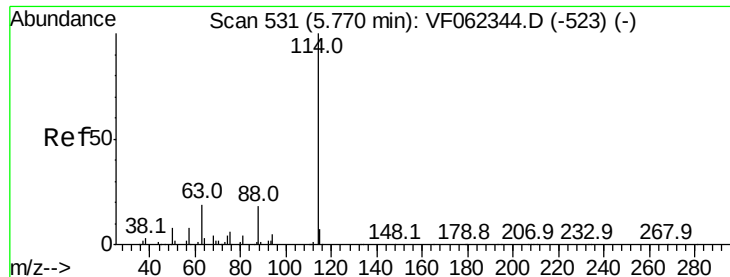
67 0.0 0.0 85.8



Abundance Ion 64.90 (64.60 to 65.60): VF0

Ion 66.90 (66.60 to 67.60): VF0

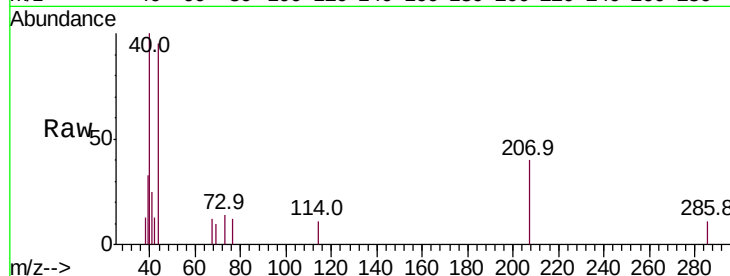




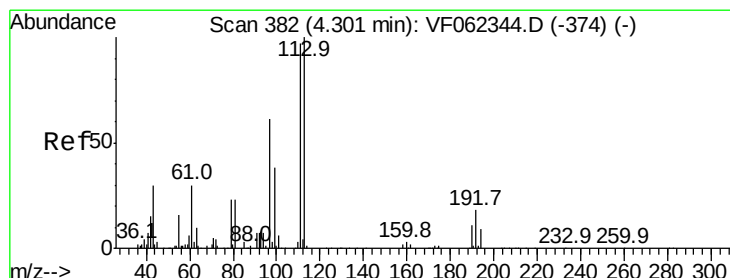
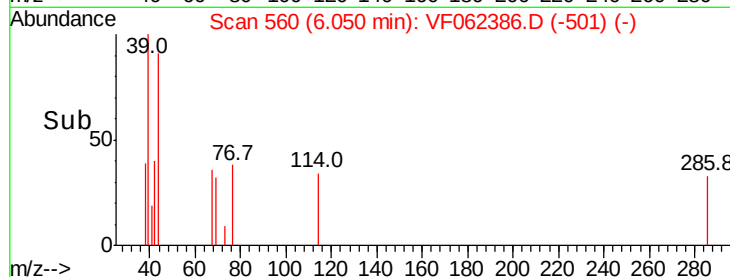
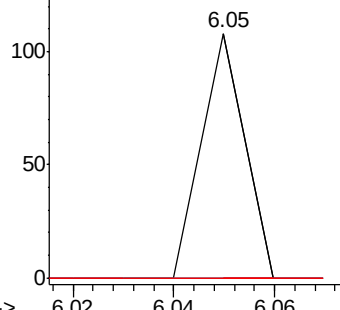
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.05 min Scan# 560
 Delta R.T. 0.28 min
 Lab File: VF062386.D
 Acq: 8 May 2019 19:24

Instrument :
 MSVOA_F
 ClientSampleId :
 SB-08-1.5-2.0

Tot Ion:	114	Resp:	64
Ion	Ratio	Lower	Upper
114	100		
63	0.0	0.0	37.4
88	0.0	0.0	36.4

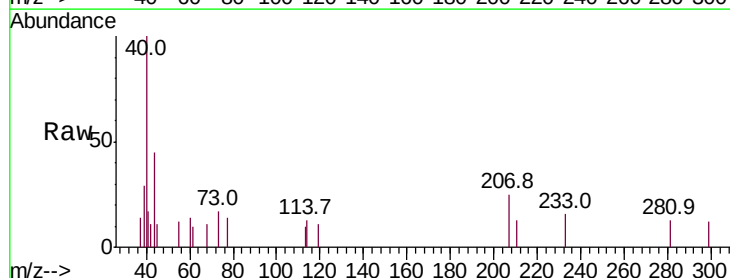


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VF0
 Ion 87.90 (87.60 to 88.60): VF0

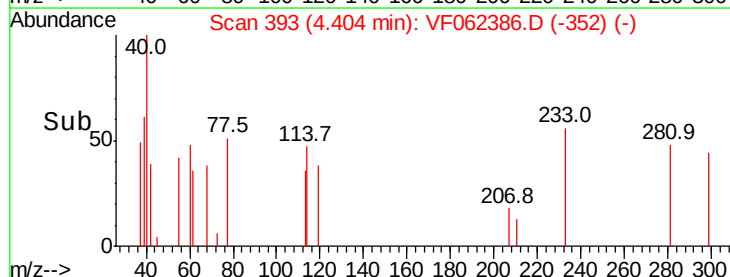
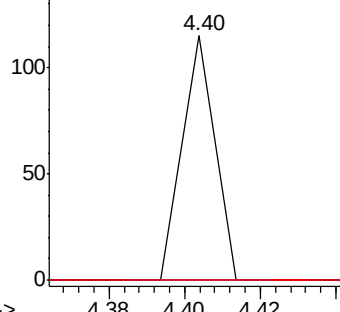


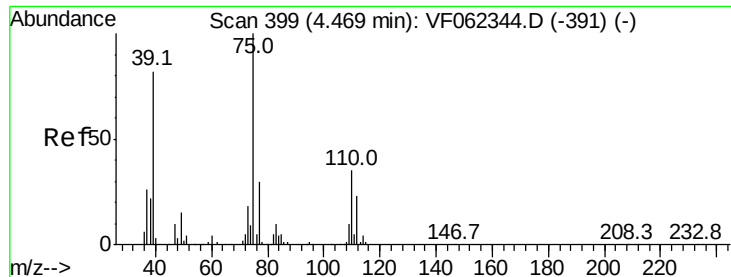
#35
 Dibromofluoromethane
 Concen: 133.365 ug/l
 RT: 4.40 min Scan# 393
 Delta R.T. 0.10 min
 Lab File: VF062386.D
 Acq: 8 May 2019 19:24

Tgt Ion:	113	Resp:	68
Ion	Ratio	Lower	Upper
113	100		
111	0.0	79.4	119.0#
192	0.0	16.0	24.0#



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: 121.866 ug/l

RT: 4.67 min Scan# 420

Delta R.T. 0.20 min

Lab File: VF062386.D

Acq: 8 May 2019 19:24

Instrument :

MSVOA_F

ClientSampled :

SB-08-1.5-2.0

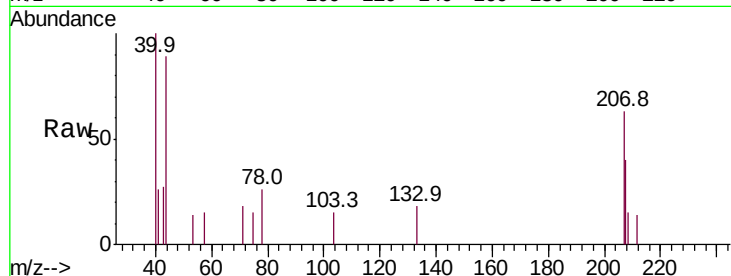
Tot Ion: 75 Resp: 67

Ion Ratio Lower Upper

75 100

110 0.0 17.2 51.5#

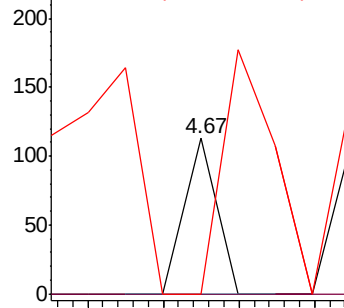
77 252.2 25.2 37.8#



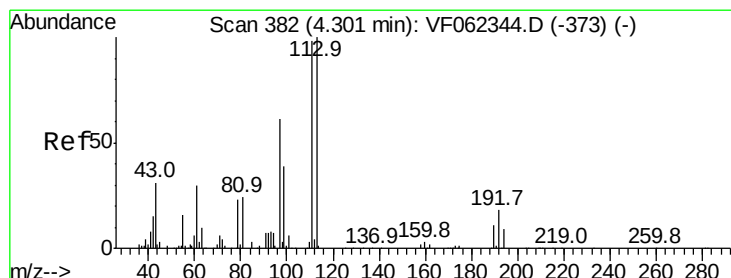
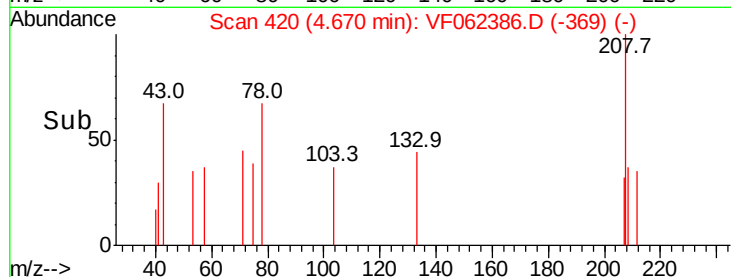
Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 109.90 (109.60 to 110.60): VF0

Ion 76.90 (76.60 to 77.60): VF0



Time-->



#37

Ethyl Acetate

Concen: 4207.590 ug/l

RT: 4.49 min Scan# 402

Delta R.T. 0.19 min

Lab File: VF062386.D

Acq: 8 May 2019 19:24

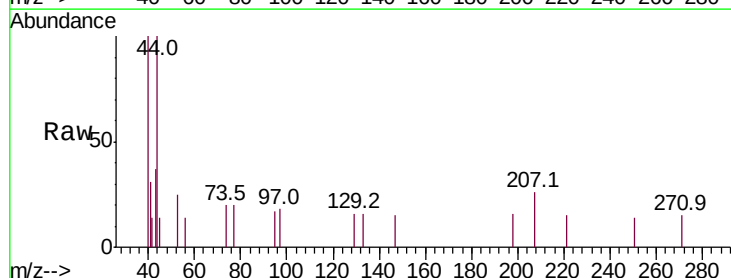
Tgt Ion: 43 Resp: 807

Ion Ratio Lower Upper

43 100

61 0.0 0.0 0.0

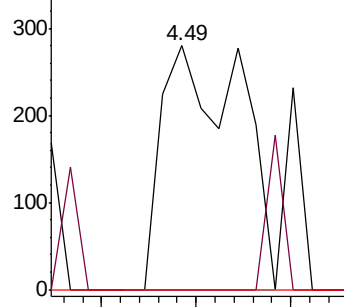
70 0.0 8.2 12.2#



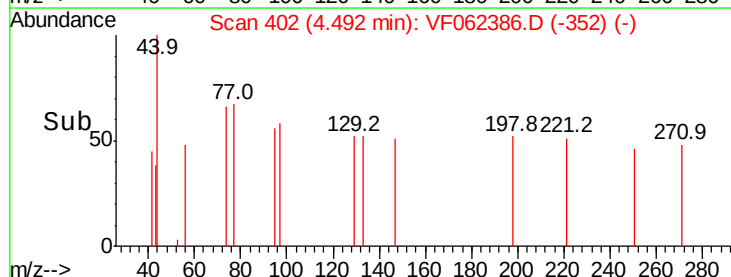
Abundance Ion 43.00 (42.70 to 43.70): VF0

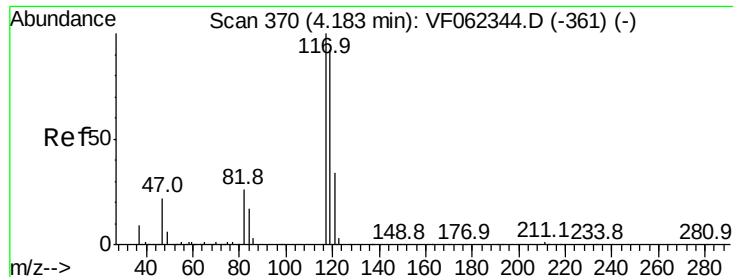
Ion 60.90 (60.60 to 61.60): VF0

Ion 70.00 (69.70 to 70.70): VF0



Time-->



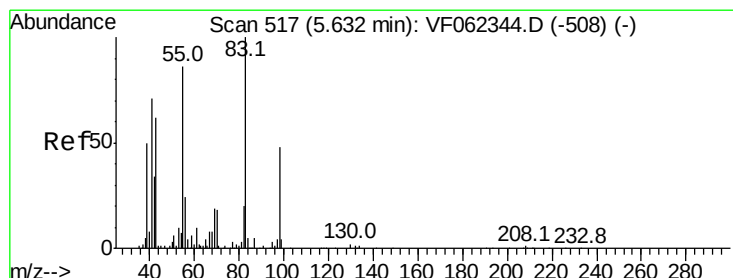
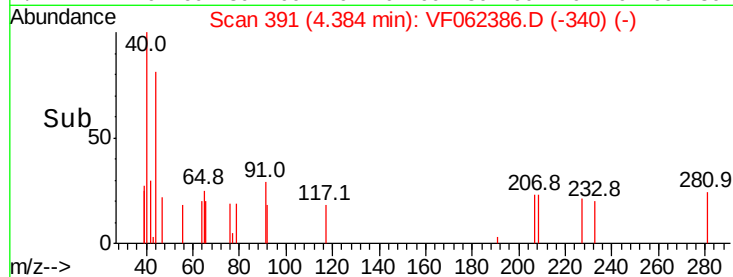
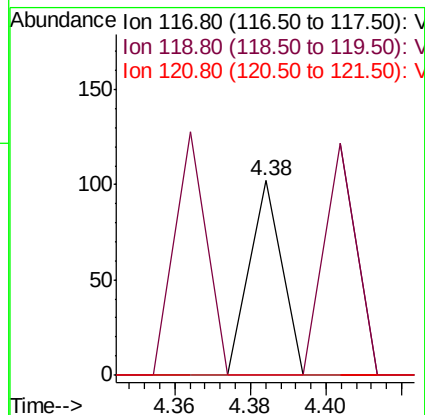
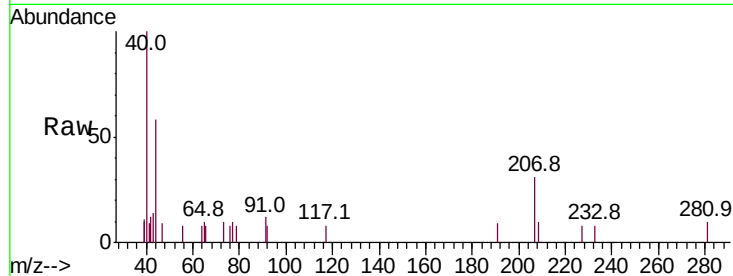


#38

Carbon Tetrachloride
 Concen: 108.467 ug/l
 RT: 4.38 min Scan# 391
 Delta R.T. 0.20 min
 Lab File: VF062386.D
 Acq: 8 May 2019 19:24

Instrument :
 MSVOA_F
 ClientSampleId :
 SB-08-1.5-2.0

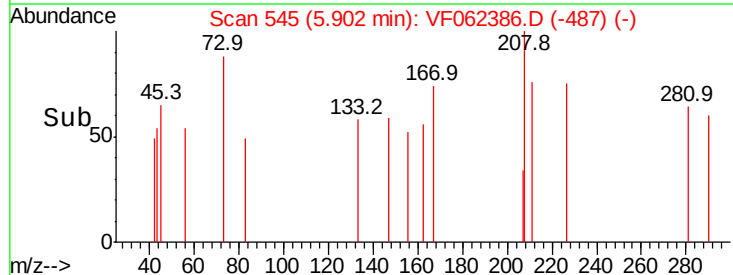
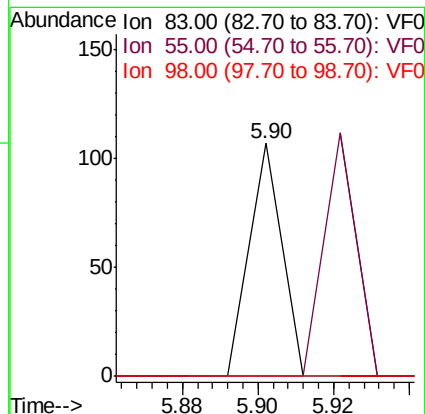
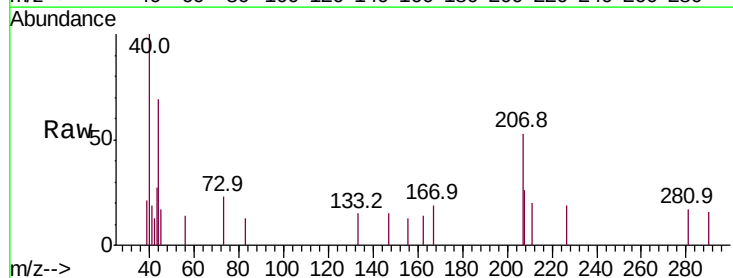
Tot Ion	Ratio	Lower	Upper
117	100		
119	0.0	73.4	110.2#
121	0.0	27.4	41.0#

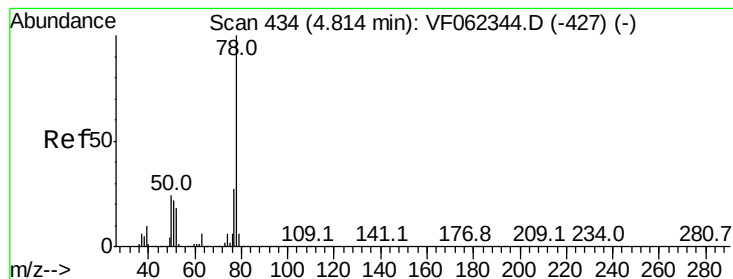


#39

Methylcyclohexane
 Concen: 114.258 ug/l
 RT: 5.90 min Scan# 545
 Delta R.T. 0.27 min
 Lab File: VF062386.D
 Acq: 8 May 2019 19:24

Tgt Ion	Ratio	Lower	Upper
83	100		
55	0.0	69.0	103.6#
98	0.0	38.6	58.0#





#40

Benzene

Concen: 182.545 ug/l

RT: 5.03 min Scan# 457

Delta R.T. 0.22 min

Lab File: VF062386.D

Acq: 8 May 2019 19:24

Instrument :

MSVOA_F

ClientSampleId :

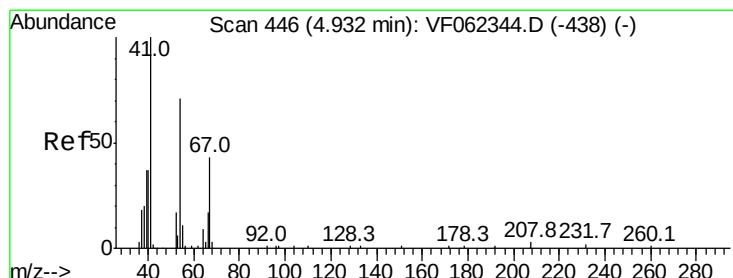
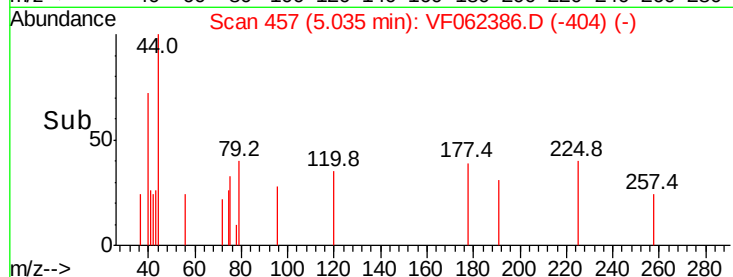
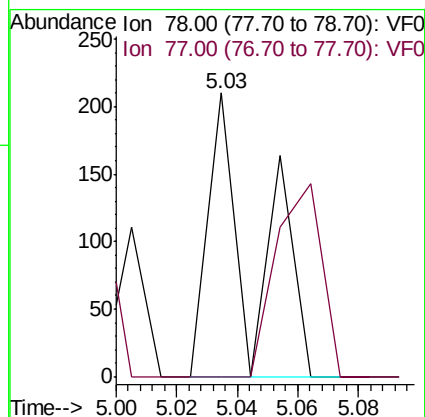
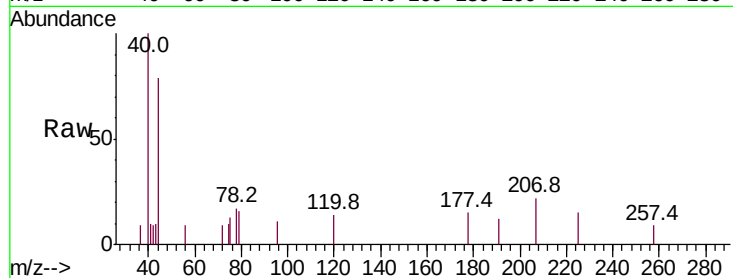
SB-08-1.5-2.0

Tot Ion: 78 Resp: 221

Ion Ratio Lower Upper

78 100

77 0.0 21.6 32.4#



#41

Methacrylonitrile

Concen: 2708.092 ug/l

RT: 5.15 min Scan# 469

Delta R.T. 0.22 min

Lab File: VF062386.D

Acq: 8 May 2019 19:24

Tgt Ion: 41 Resp: 357

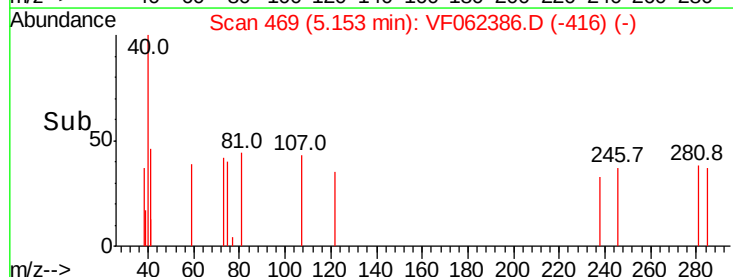
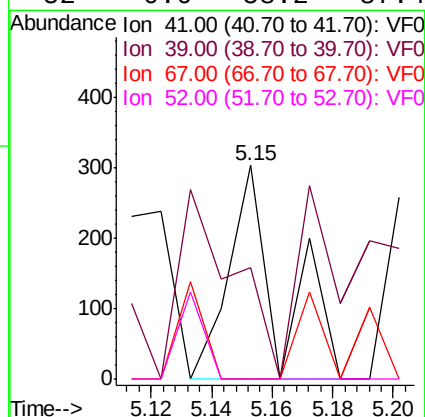
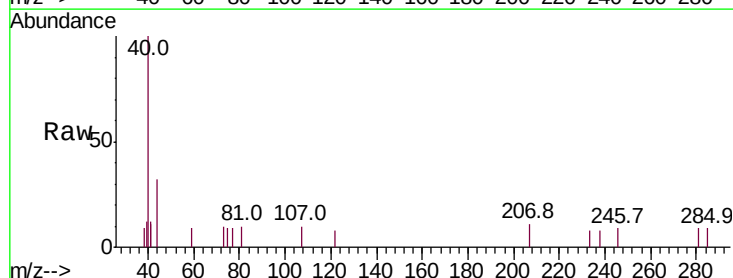
Ion Ratio Lower Upper

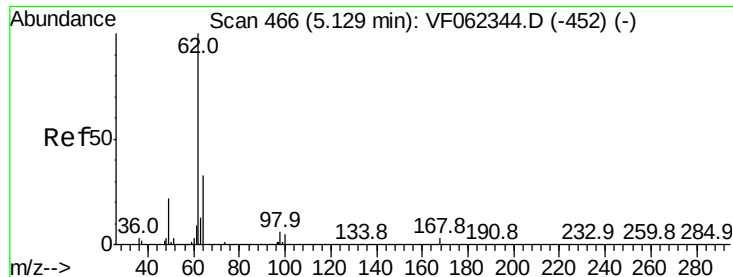
41 100

39 126.6 54.3 81.5#

67 37.5 37.8 56.8#

52 0.0 58.2 87.4#





#42

1,2-Dichloroethane

Concen: 136.272 ug/l

RT: 5.40 min Scan# 494

Delta R.T. 0.27 min

Lab File: VF062386.D

Acq: 8 May 2019 19:24

Instrument :

MSVOA_F

ClientSampleId :

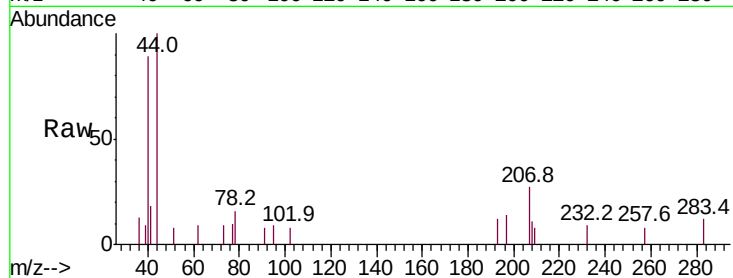
SB-08-1.5-2.0

Tot Ion: 62 Resp: 69

Ion Ratio Lower Upper

62 100

98 0.0 0.0 12.4



Abundance Ion 61.90 (61.60 to 62.60): VF0

Ion 97.90 (97.60 to 98.60): VF0

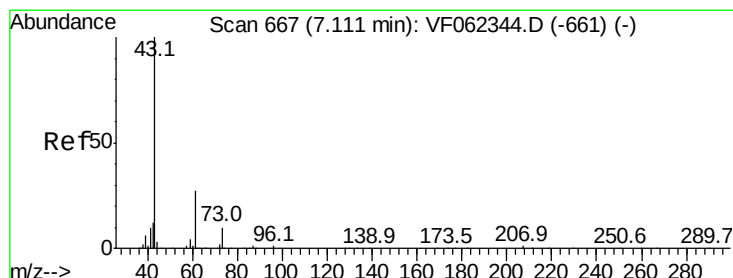
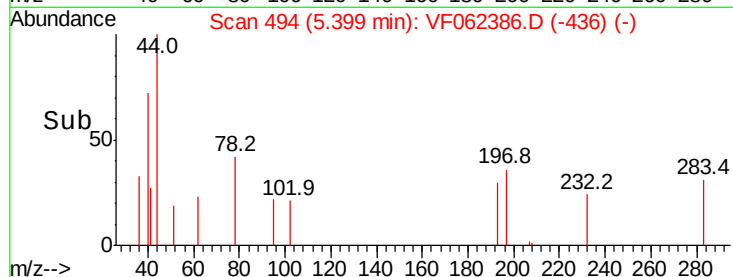
5.40

100

50

0

Time--> 5.36 5.38 5.40 5.42



#43

Isopropyl Acetate

Concen: 1747.519 ug/l

RT: 7.47 min Scan# 704

Delta R.T. 0.36 min

Lab File: VF062386.D

Acq: 8 May 2019 19:24

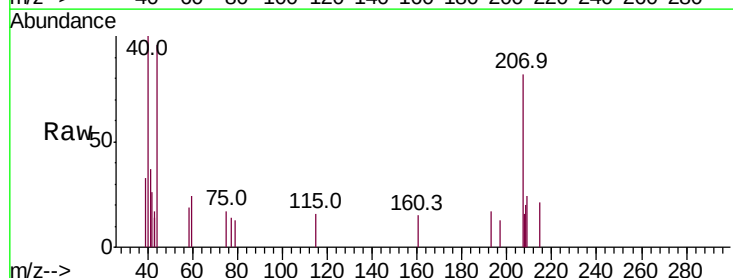
Tgt Ion: 43 Resp: 437

Ion Ratio Lower Upper

43 100

61 14.6 22.8 34.2#

87 0.0 0.6 1.0#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

300

250

200

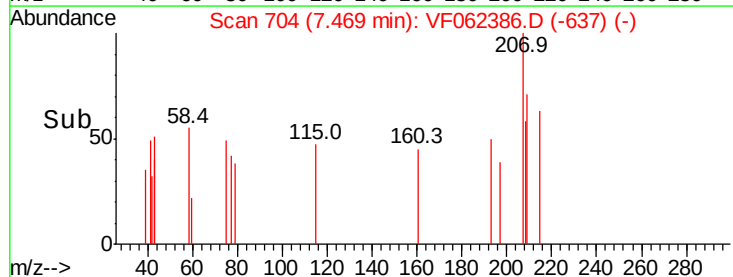
150

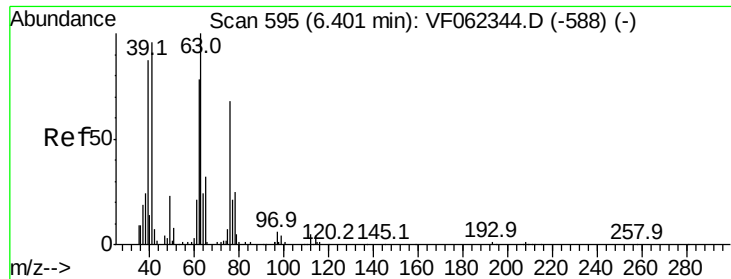
100

50

0

Time--> 7.45 7.47 7.49

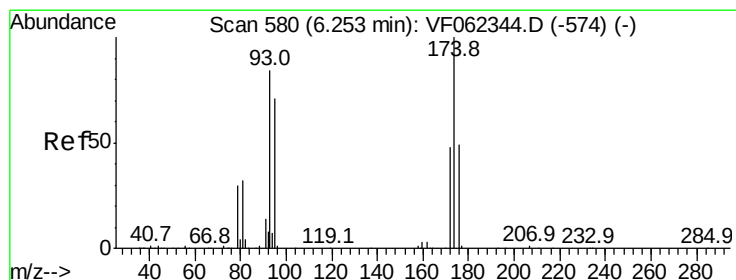
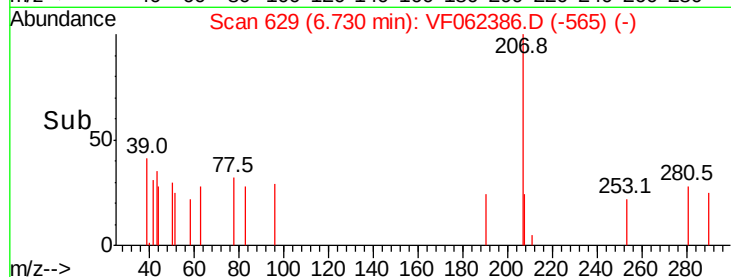
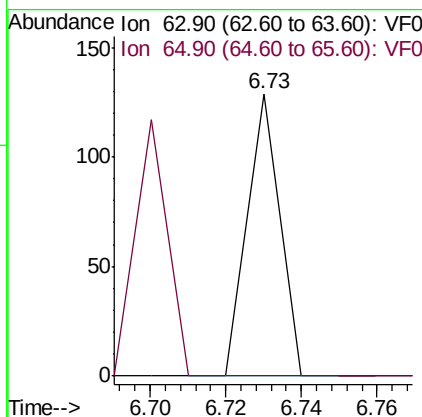
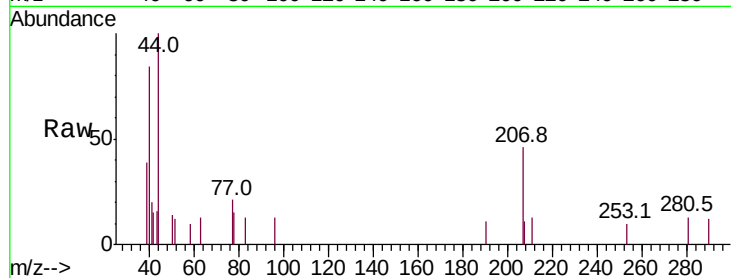




#45
 1,2-Dichloropropane
 Concen: 277.153 ug/l
 RT: 6.73 min Scan# 629
 Delta R.T. 0.33 min
 Lab File: VF062386.D
 Acq: 8 May 2019 19:24

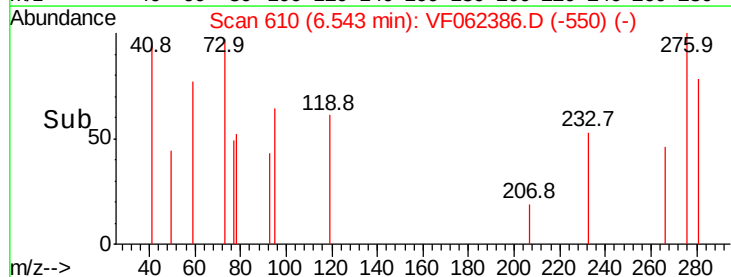
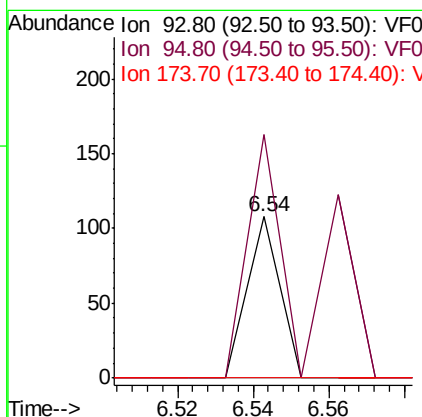
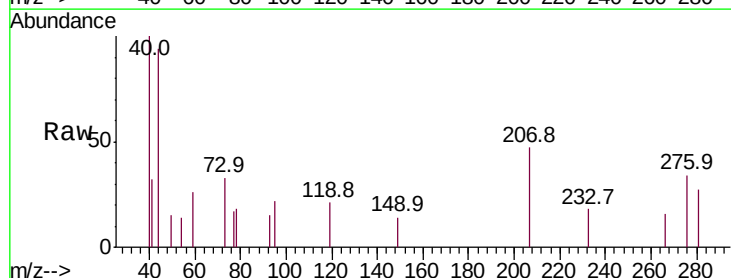
Instrument :
 MSVOA_F
 ClientSampled :
 SB-08-1.5-2.0

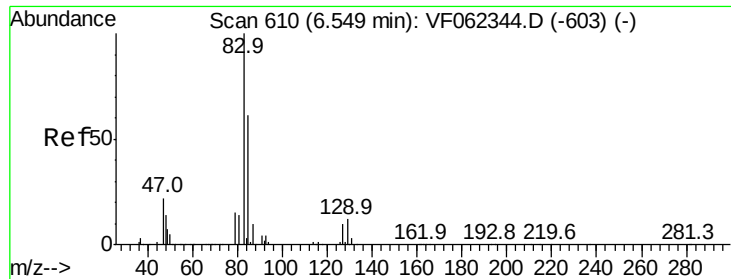
Tot Ion: 63 Resp: 76
 Ion Ratio Lower Upper
 63 100
 65 0.0 25.6 38.4#



#46
 Dibromomethane
 Concen: 281.492 ug/l
 RT: 6.54 min Scan# 610
 Delta R.T. 0.29 min
 Lab File: VF062386.D
 Acq: 8 May 2019 19:24

Tgt Ion: 93 Resp: 64
 Ion Ratio Lower Upper
 93 100
 95 264.1 68.4 102.6#
 174 0.0 99.6 149.4#





#47

Bromodichloromethane

Concen: 137.218 ug/l

RT: 6.73 min Scan# 629

Delta R.T. 0.18 min

Lab File: VF062386.D

Acq: 8 May 2019 19:24

Instrument :

MSVOA_F

ClientSampleId :

SB-08-1.5-2.0

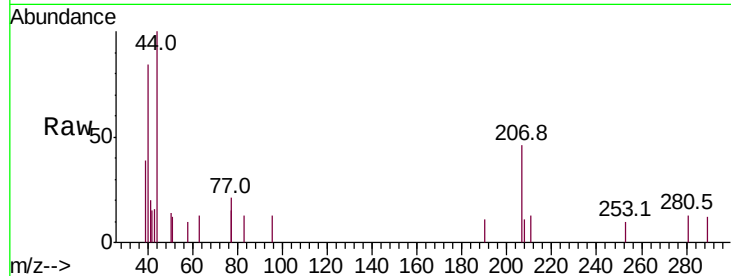
Tot Ion: 83 Resp: 78

Ion Ratio Lower Upper

83 100

85 0.0 49.1 73.7#

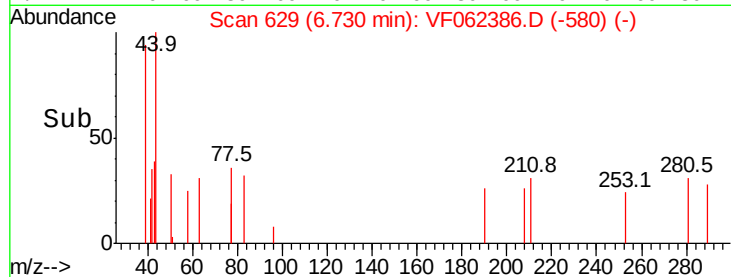
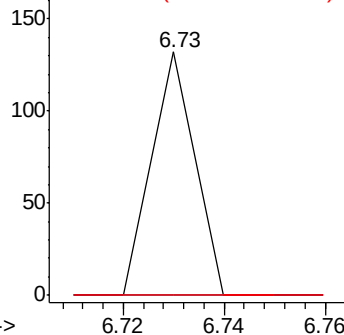
127 0.0 7.8 11.8#



Abundance Ion 82.90 (82.60 to 83.60): VF0

Ion 84.90 (84.60 to 85.60): VF0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 2823.660 ug/l

RT: 7.22 min Scan# 679

Delta R.T. 0.35 min

Lab File: VF062386.D

Acq: 8 May 2019 19:24

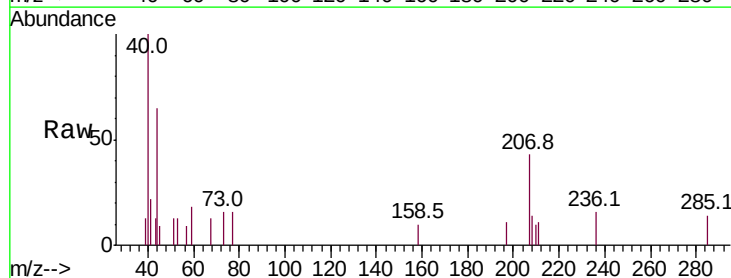
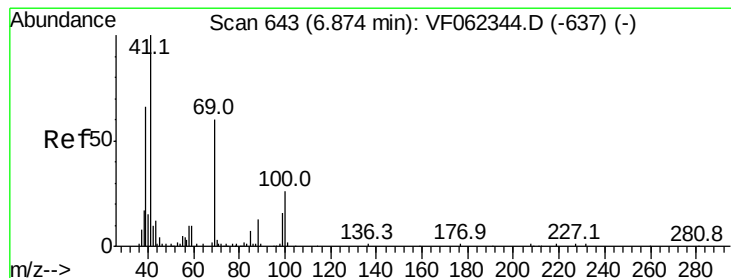
Tgt Ion: 41 Resp: 499

Ion Ratio Lower Upper

41 100

69 0.0 48.6 72.8#

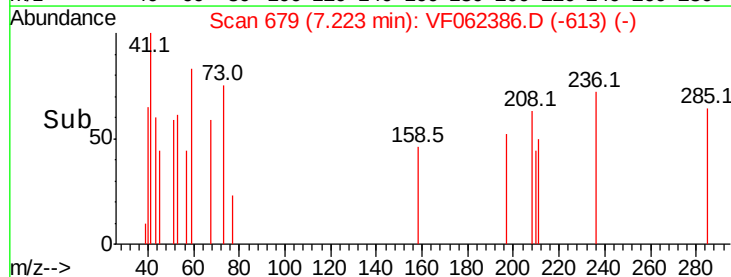
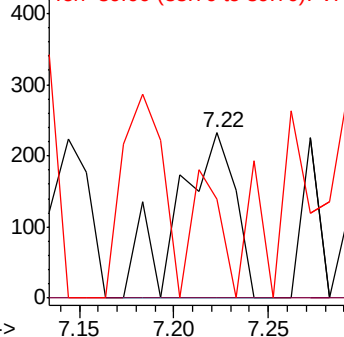
39 0.0 56.1 84.1#

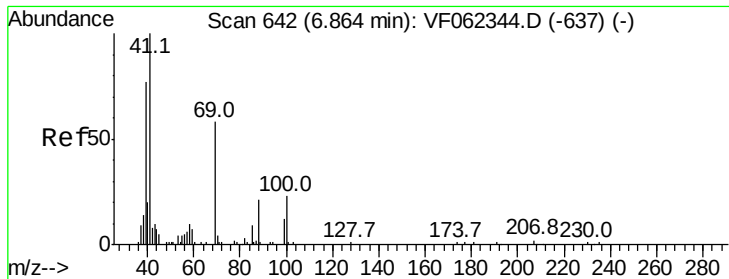


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 33435.522 ug/l

RT: 7.11 min Scan# 668

Delta R.T. 0.25 min

Lab File: VF062386.D

Acq: 8 May 2019 19:24

Instrument :

MSVOA_F

ClientSampleId :

SB-08-1.5-2.0

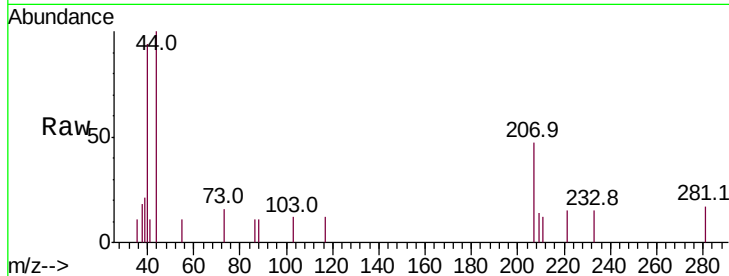
Tot Ion: 88 Resp: 60

Ion Ratio Lower Upper

88 100

43 0.0 55.6 83.4#

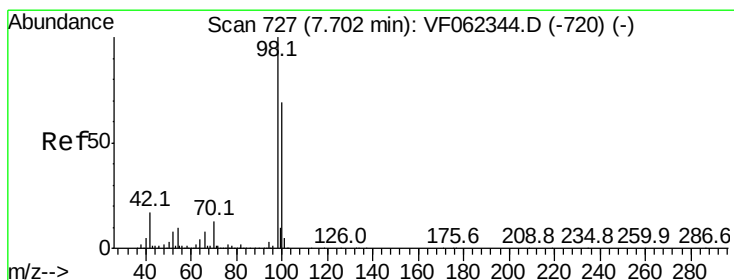
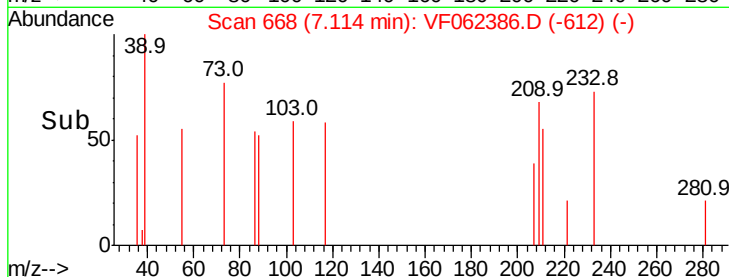
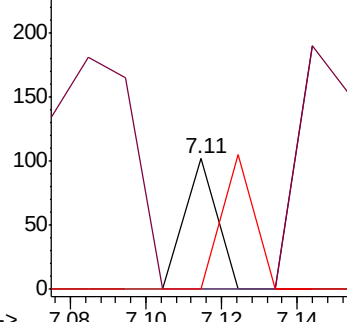
58 103.3 52.8 79.2#



Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#50

Toluene-d8

Concen: 53.474 ug/l

RT: 7.83 min Scan# 741

Delta R.T. 0.13 min

Lab File: VF062386.D

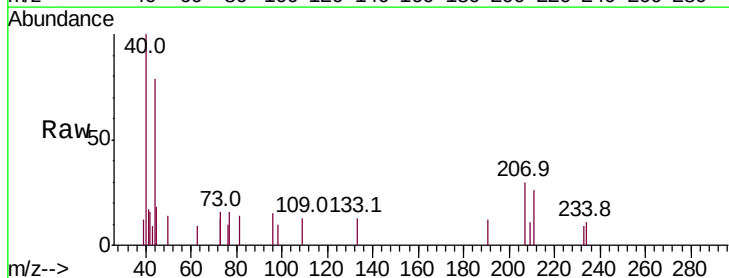
Acq: 8 May 2019 19:24

Tgt Ion: 98 Resp: 66

Ion Ratio Lower Upper

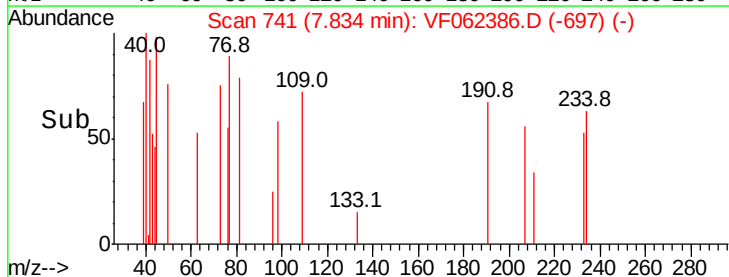
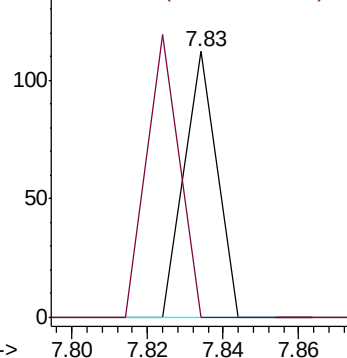
98 100

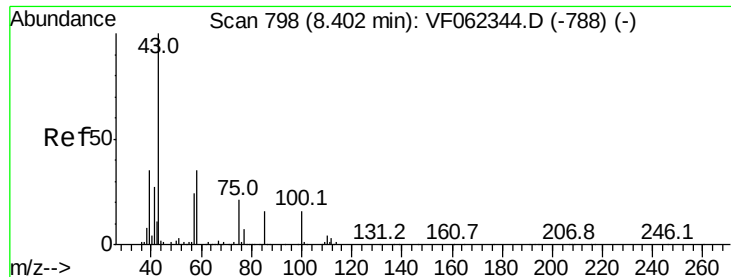
100 106.1 53.3 79.9#



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#51

4-Methyl-2-Pentanone

Concen: 891.877 ug/l

RT: 8.87 min Scan# 846

Delta R.T. 0.47 min

Lab File: VF062386.D

Acq: 8 May 2019 19:24

Instrument :

MSVOA_F

ClientSampleId :

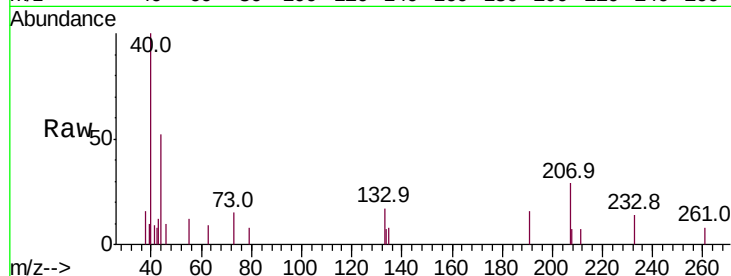
SB-08-1.5-2.0

Tot Ion: 43 Resp: 169

Ion Ratio Lower Upper

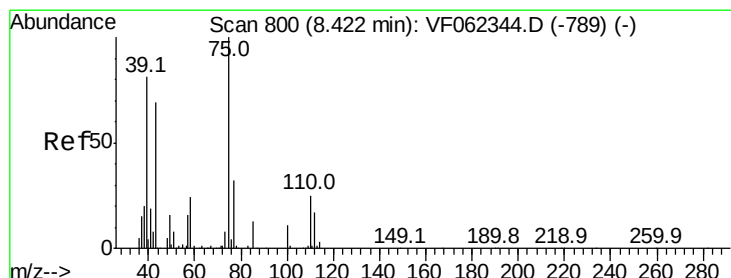
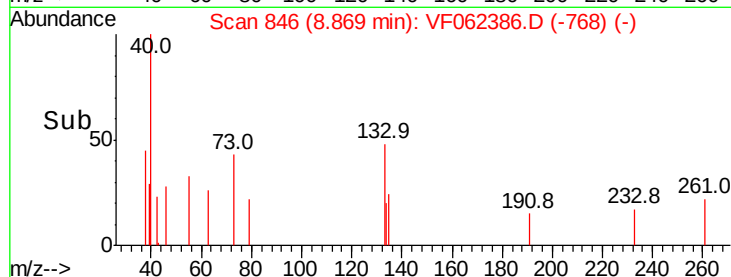
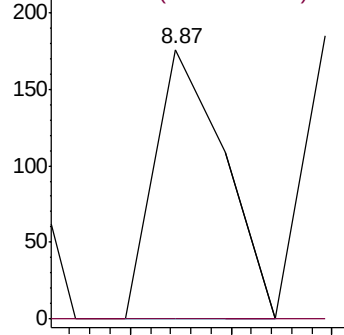
43 100

58 0.0 27.8 41.6#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#53

t-1,3-Dichloropropene

Concen: 141.884 ug/l

RT: 8.73 min Scan# 832

Delta R.T. 0.31 min

Lab File: VF062386.D

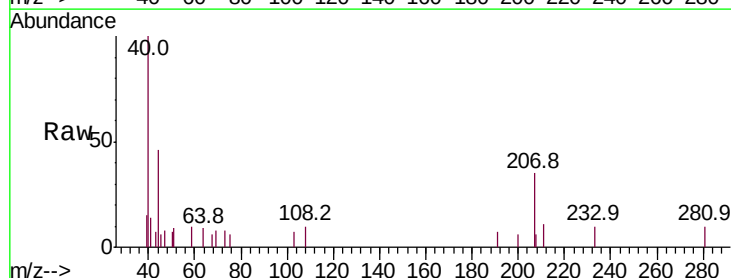
Acq: 8 May 2019 19:24

Tgt Ion: 75 Resp: 61

Ion Ratio Lower Upper

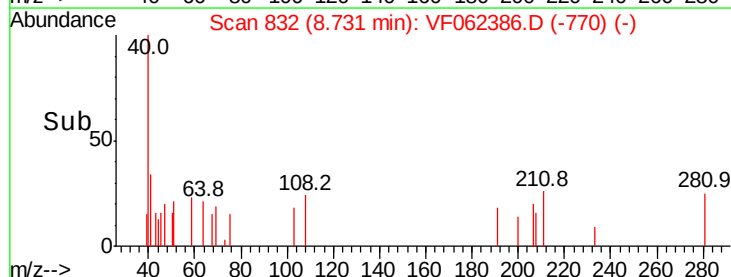
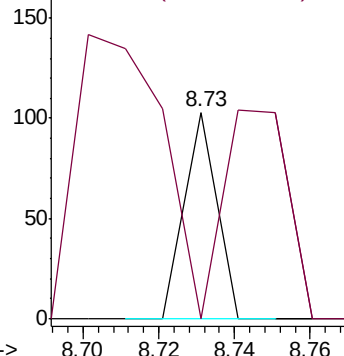
75 100

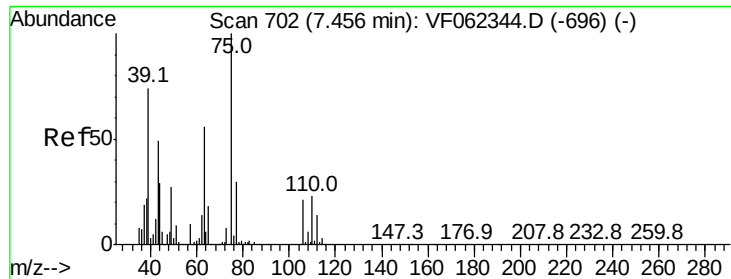
77 0.0 25.4 38.0#



Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 76.90 (76.60 to 77.60): VF0





#54

cis-1,3-Dichloropropene

Concen: 119.914 ug/l

RT: 7.86 min Scan# 744

Delta R.T. 0.41 min

Lab File: VF062386.D

Acq: 8 May 2019 19:24

Instrument :

MSVOA_F

ClientSampleId :

SB-08-1.5-2.0

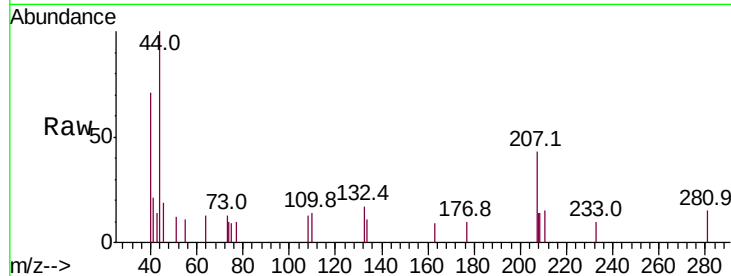
Tot Ion: 75 Resp: 60

Ion Ratio Lower Upper

75 100

77 109.9 24.0 36.0#

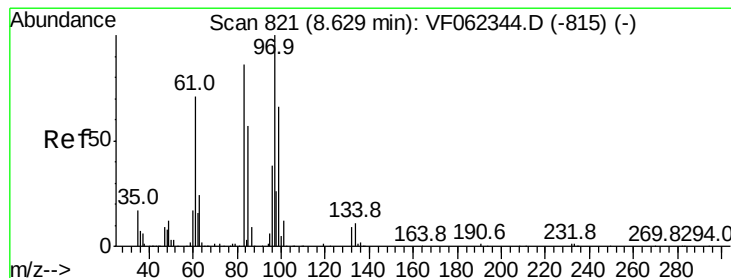
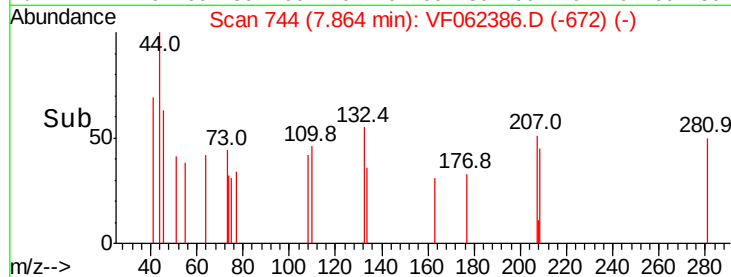
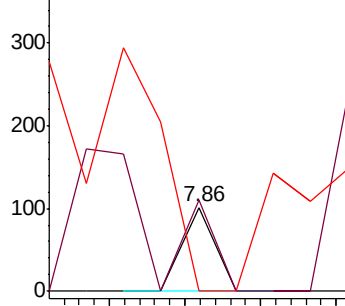
39 0.0 58.7 88.1#



Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 76.90 (76.60 to 77.60): VF0

Ion 39.00 (38.70 to 39.70): VF0



#55

1,1,2-Trichloroethane

Concen: 350.074 ug/l

RT: 9.00 min Scan# 859

Delta R.T. 0.37 min

Lab File: VF062386.D

Acq: 8 May 2019 19:24

Tgt Ion: 97 Resp: 83

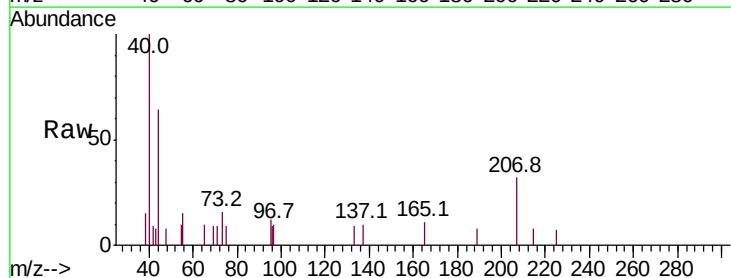
Ion Ratio Lower Upper

97 100

83 0.0 68.5 102.7#

85 0.0 45.4 68.2#

99 0.0 52.7 79.1#

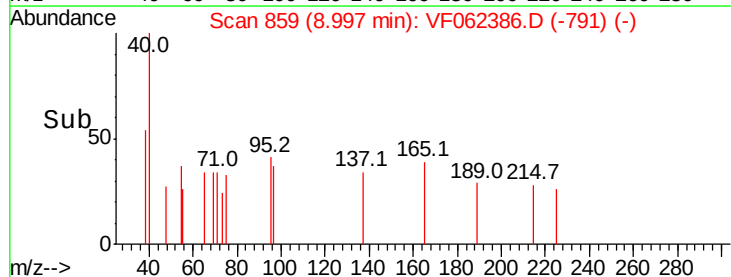
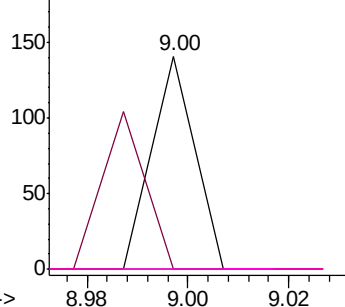


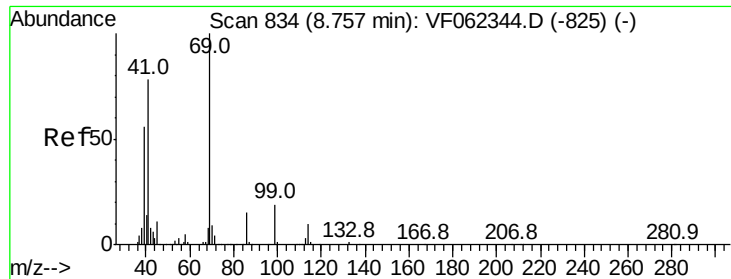
Abundance Ion 96.90 (96.60 to 97.60): VF0

Ion 82.90 (82.60 to 83.60): VF0

Ion 84.90 (84.60 to 85.60): VF0

Ion 98.90 (98.60 to 99.60): VF0





#56

Ethyl methacrylate

Concen: 251.723 ug/l

RT: 9.23 min Scan# 883

Delta R.T. 0.48 min

Lab File: VF062386.D

Acq: 8 May 2019 19:24

Instrument :

MSVOA_F

ClientSampleId :

SB-08-1.5-2.0

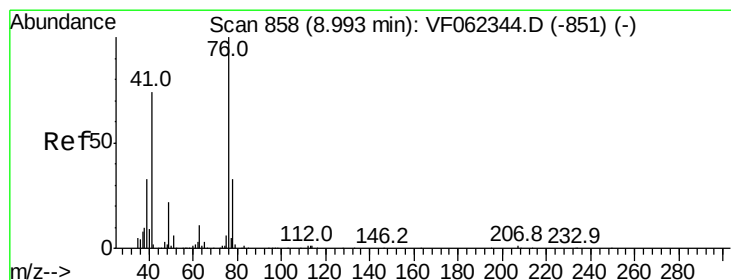
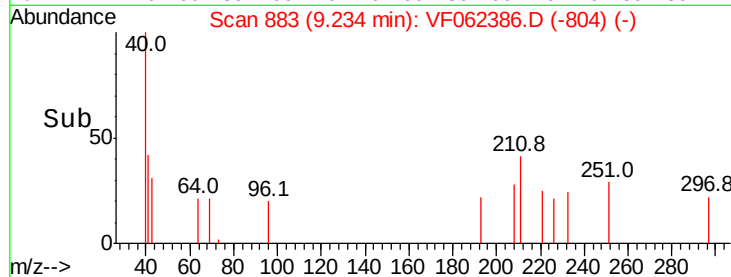
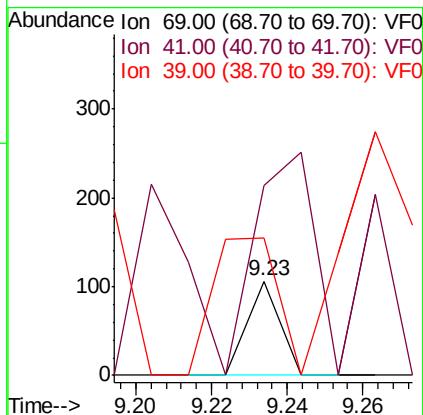
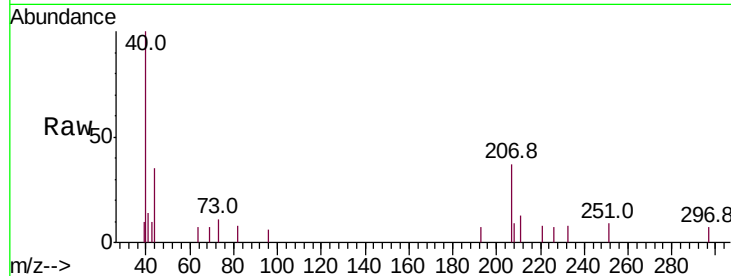
Tot Ion: 69 Resp: 63

Ion Ratio Lower Upper

69 100

41 628.6 66.3 99.5#

39 290.5 50.1 75.1#



#57

1,3-Dichloropropane

Concen: 192.667 ug/l

RT: 9.55 min Scan# 915

Delta R.T. 0.56 min

Lab File: VF062386.D

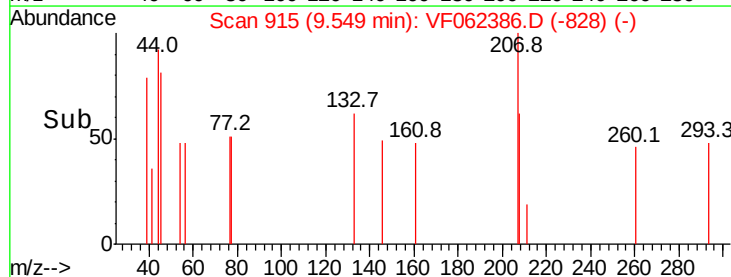
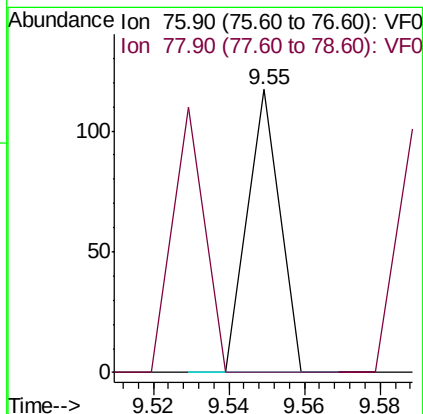
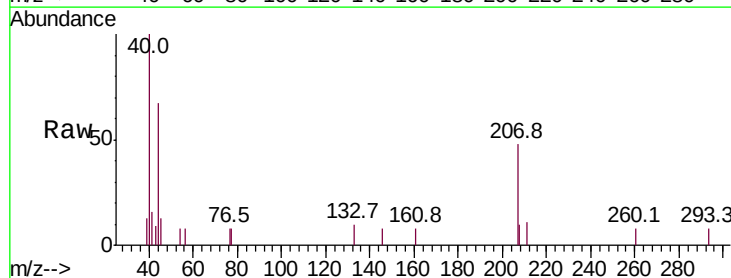
Acq: 8 May 2019 19:24

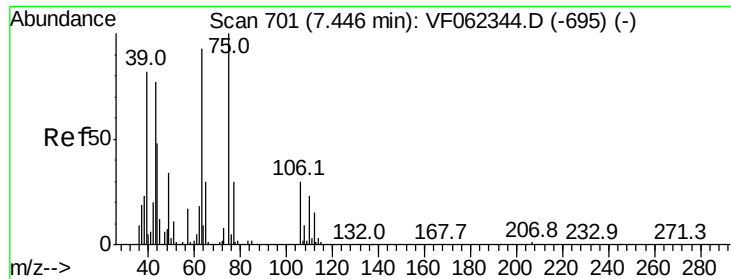
Tgt Ion: 76 Resp: 69

Ion Ratio Lower Upper

76 100

78 94.2 26.4 39.6#





#58

2-Chloroethyl Vinyl ether

Concen: 1727.713 ug/l

RT: 7.79 min Scan# 737

Delta R.T. 0.35 min

Lab File: VF062386.D

Acq: 8 May 2019 19:24

Instrument :

MSVOA_F

ClientSampleId :

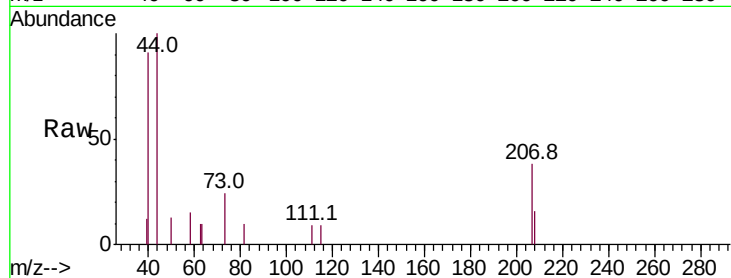
SB-08-1.5-2.0

Tot Ion: 63 Resp: 130

Ion Ratio Lower Upper

63 100

106 0.0 25.8 38.8#



Abundance Ion 62.90 (62.60 to 63.60): VF0

Ion 105.90 (105.60 to 106.60): V

7.79

250

200

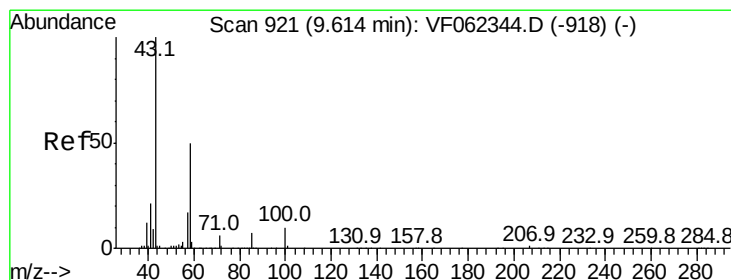
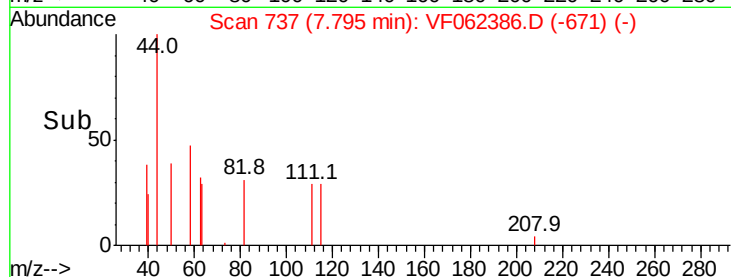
150

100

50

0

Time-->



#59

2-Hexanone

Concen: 1472.719 ug/l

RT: 10.06 min Scan# 967

Delta R.T. 0.45 min

Lab File: VF062386.D

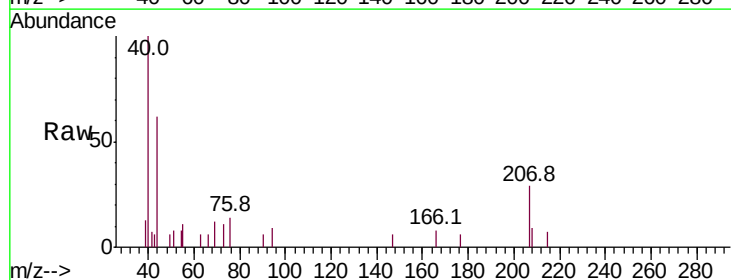
Acq: 8 May 2019 19:24

Tgt Ion: 43 Resp: 193

Ion Ratio Lower Upper

43 100

58 0.0 24.3 73.0#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

200

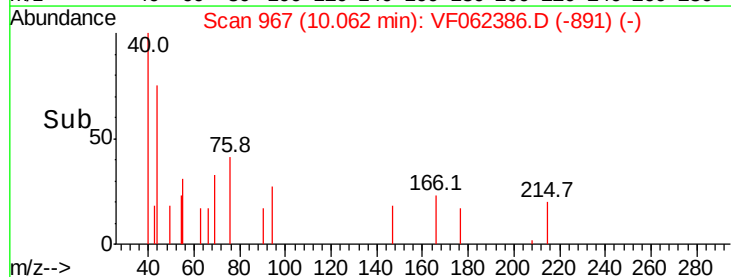
150

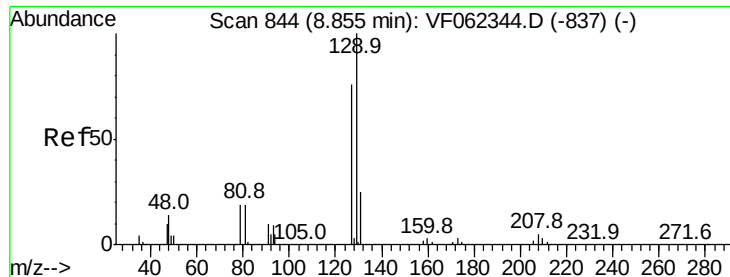
100

50

0

Time-->





#60

Dibromochloromethane

Concen: 219.202 ug/l

RT: 9.31 min Scan# 891

Delta R.T. 0.46 min

Lab File: VF062386.D

Acq: 8 May 2019 19:24

Instrument :

MSVOA_F

ClientSampleId :

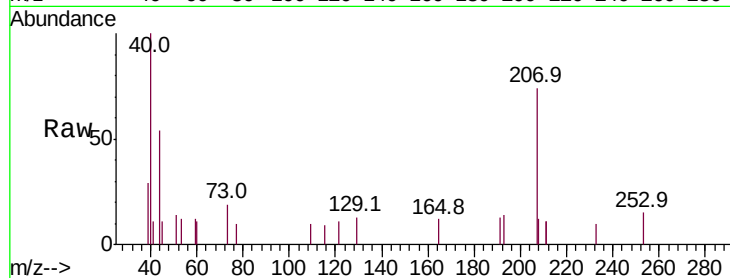
SB-08-1.5-2.0

Tot Ion:129 Resp: 85

Ion Ratio Lower Upper

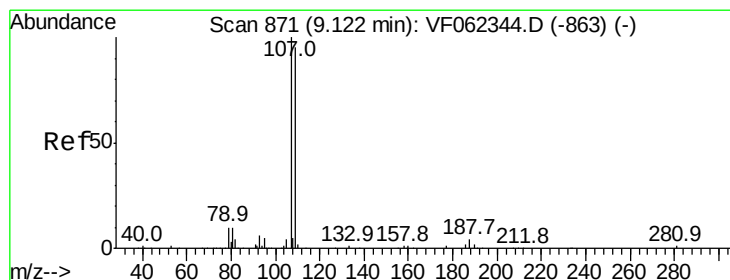
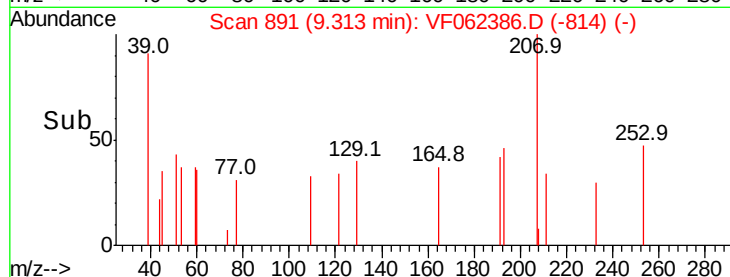
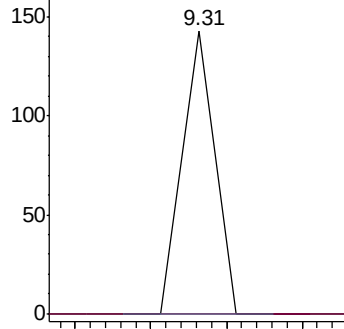
129 100

127 0.0 38.5 115.3#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 333.742 ug/l

RT: 9.29 min Scan# 889

Delta R.T. 0.17 min

Lab File: VF062386.D

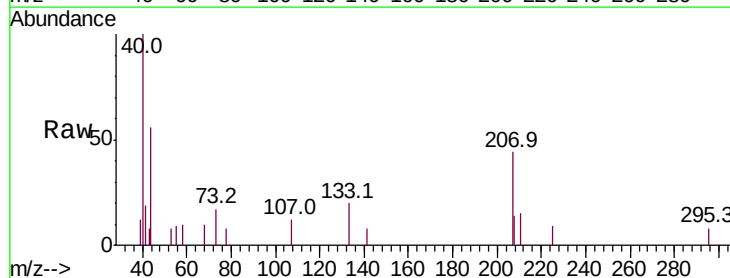
Acq: 8 May 2019 19:24

Tgt Ion:107 Resp: 93

Ion Ratio Lower Upper

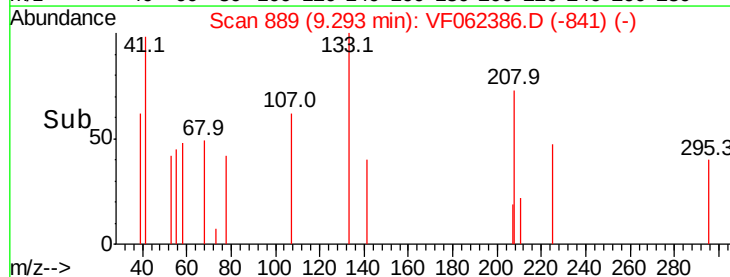
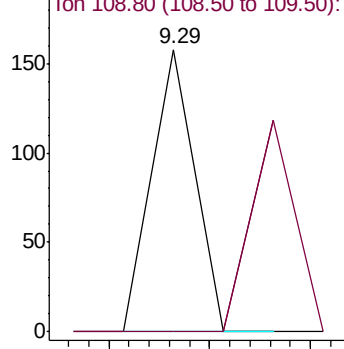
107 100

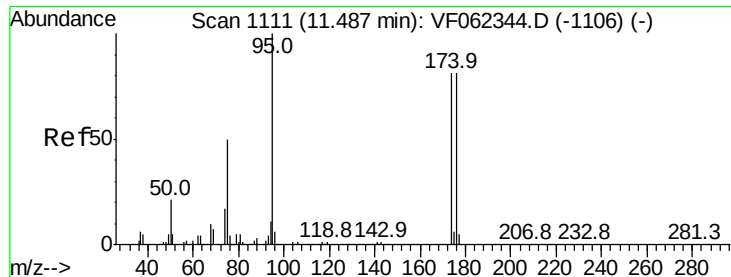
109 75.3 75.2 112.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

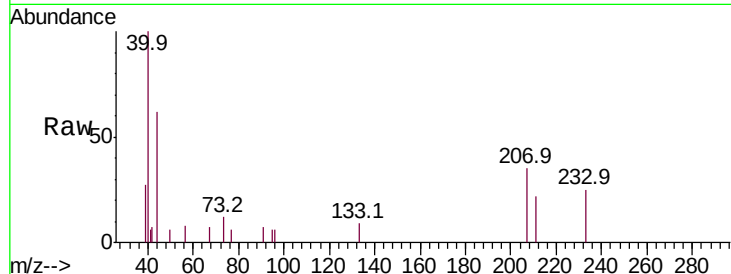




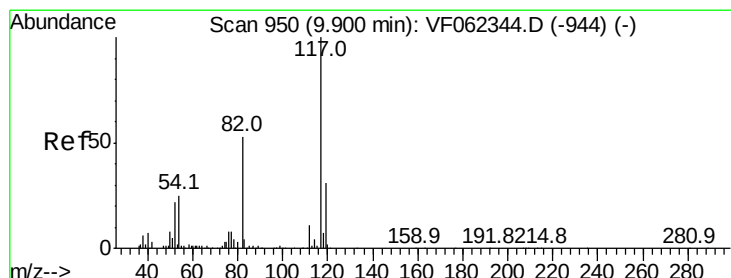
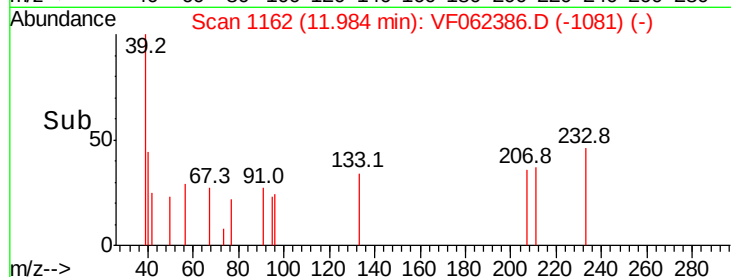
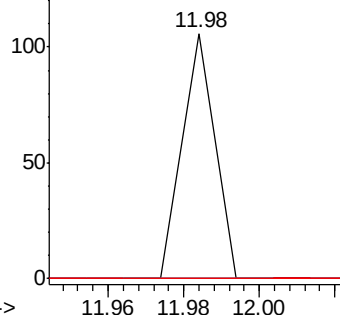
#62
4-Bromofluorobenzene
Concen: 113.138 ug/l
RT: 11.98 min Scan# 1162
Delta R.T. 0.50 min
Lab File: VF062386.D
Acq: 8 May 2019 19:24

Instrument :
MSVOA_F
ClientSampled :
SB-08-1.5-2.0

Tot Ion	Ratio	Lower	Upper
95	100		
174	0.0	0.0	191.8
176	0.0	0.0	193.2

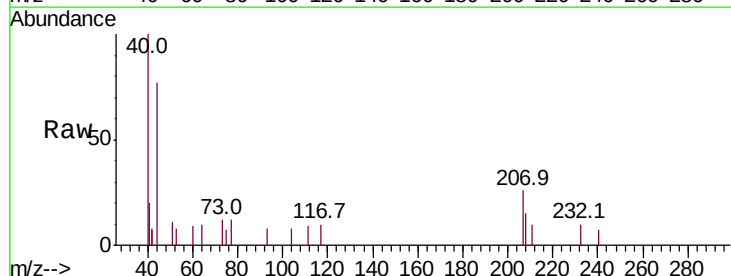


Abundance Ion 94.90 (94.60 to 95.60): VF0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

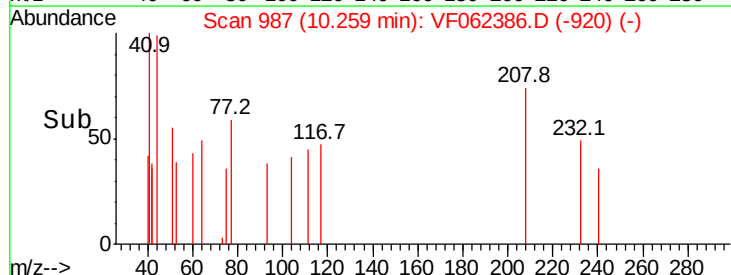
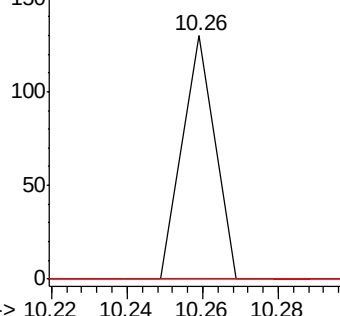


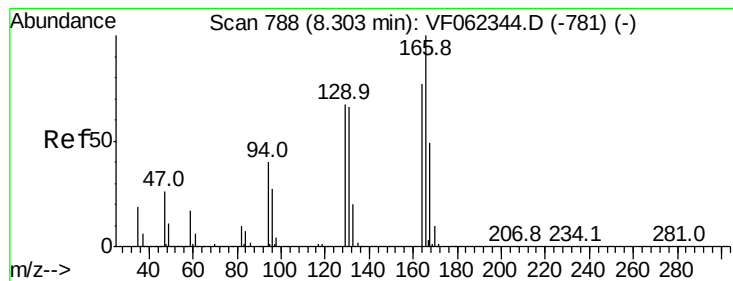
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.26 min Scan# 987
Delta R.T. 0.36 min
Lab File: VF062386.D
Acq: 8 May 2019 19:24

Tgt Ion	Ratio	Lower	Upper
117	100		
82	0.0	42.2	63.2#
119	0.0	25.0	37.4#



Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 118.90 (118.60 to 119.60): V





#64

Tetrachloroethene

Concen: 103.982 ug/l

RT: 8.43 min Scan# 801

Delta R.T. 0.12 min

Lab File: VF062386.D

Acq: 8 May 2019 19:24

Instrument :

MSVOA_F

ClientSampleId :

SB-08-1.5-2.0

Tot Ion:164 Resp: 65

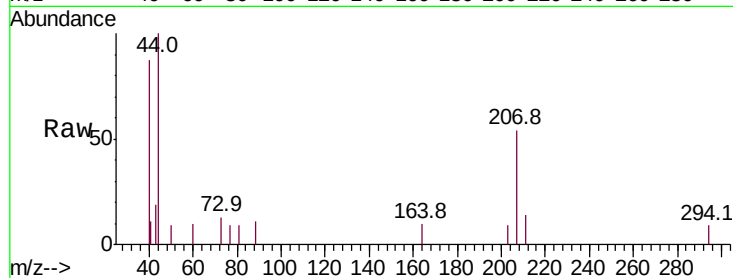
Ion Ratio Lower Upper

164 100

166 0.0 104.2 156.4#

129 0.0 69.6 104.4#

131 0.0 68.8 103.2#

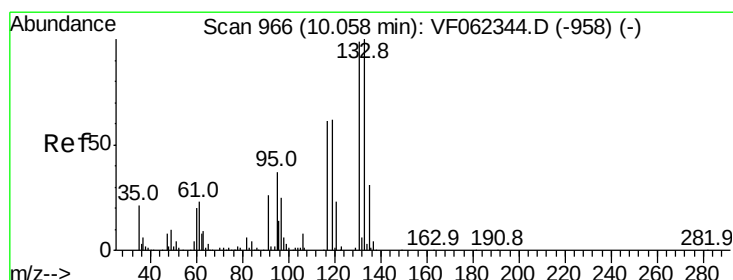
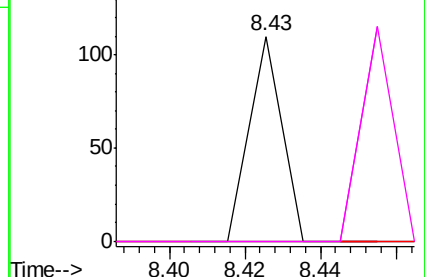
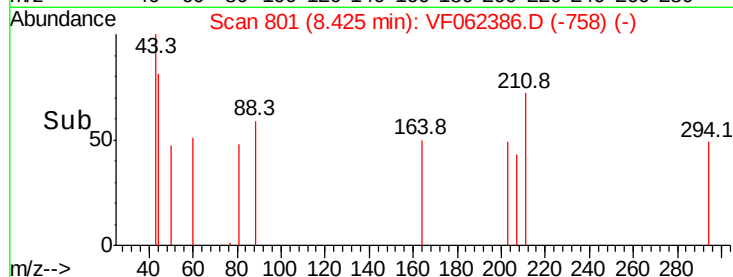


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#66

1,1,1,2-Tetrachloroethane

Concen: 105.804 ug/l

RT: 9.89 min Scan# 950

Delta R.T. -0.16 min

Lab File: VF062386.D

Acq: 8 May 2019 19:24

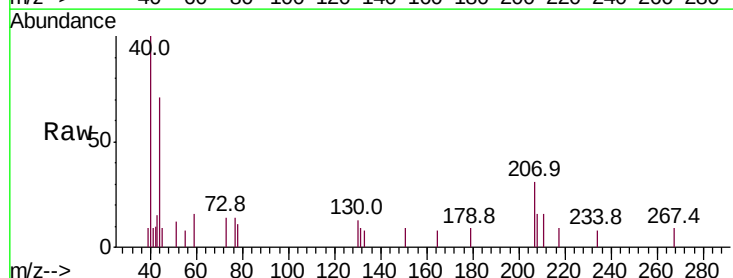
Tgt Ion:131 Resp: 68

Ion Ratio Lower Upper

131 100

133 86.8 50.2 150.7

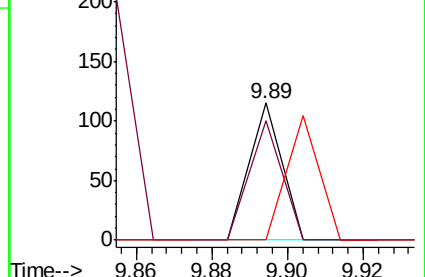
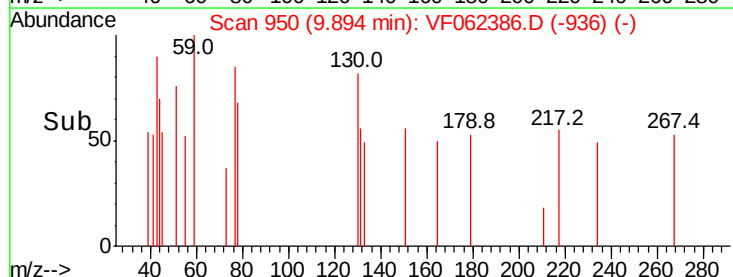
119 91.2 31.6 95.0

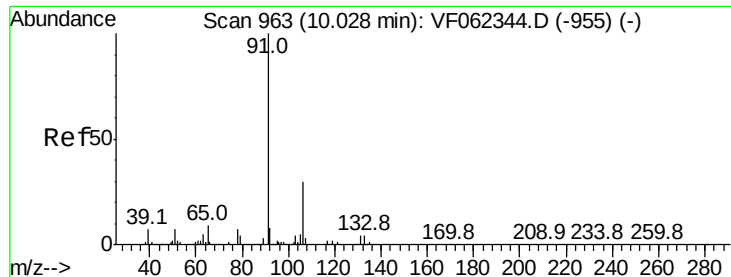


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 42.135 ug/l

RT: 10.00 min Scan# 961

Delta R.T. -0.03 min

Lab File: VF062386.D

Acq: 8 May 2019 19:24

Instrument :

MSVOA_F

ClientSampleId :

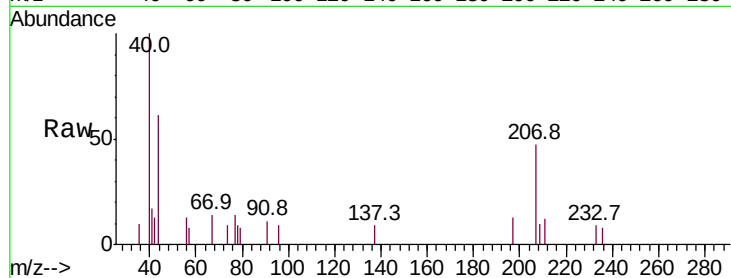
SB-08-1.5-2.0

Tot Ion: 91 Resp: 94

Ion Ratio Lower Upper

91 100

106 0.0 24.1 36.1#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V

10.00

150

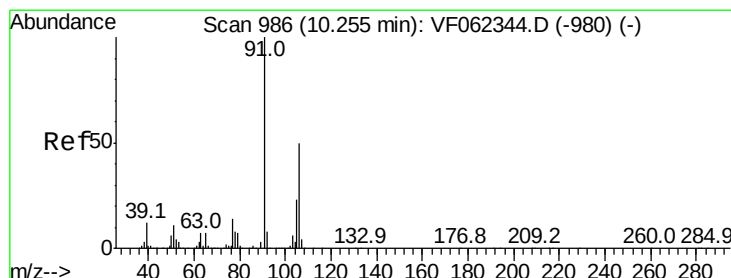
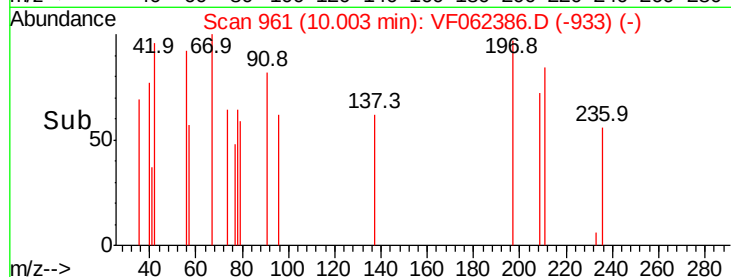
100

50

0

9.98 10.00 10.02

Time-->



#68

m/p-Xylenes

Concen: 114.199 ug/l

RT: 10.39 min Scan# 1000

Delta R.T. 0.13 min

Lab File: VF062386.D

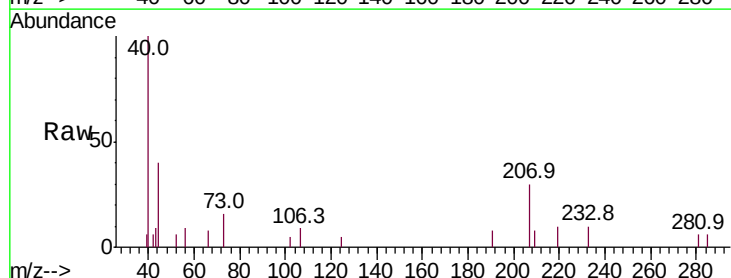
Acq: 8 May 2019 19:24

Tgt Ion: 106 Resp: 94

Ion Ratio Lower Upper

106 100

91 0.0 167.4 251.2#



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

10.39

150

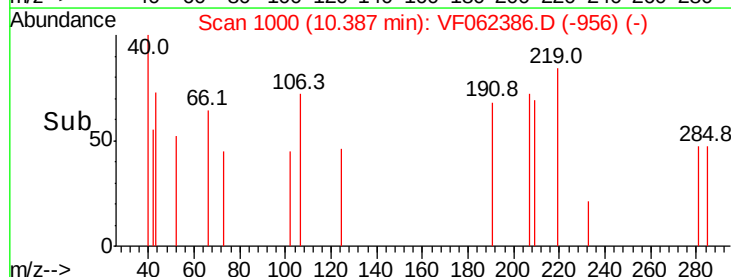
100

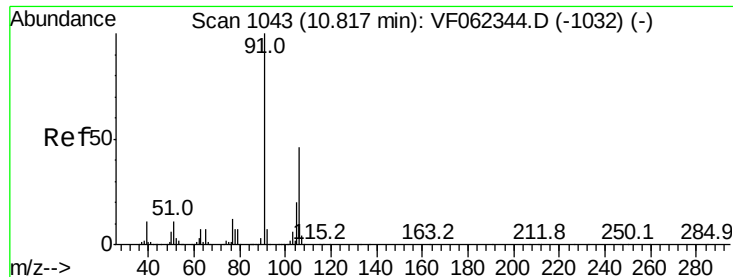
50

0

10.36 10.38 10.40

Time-->

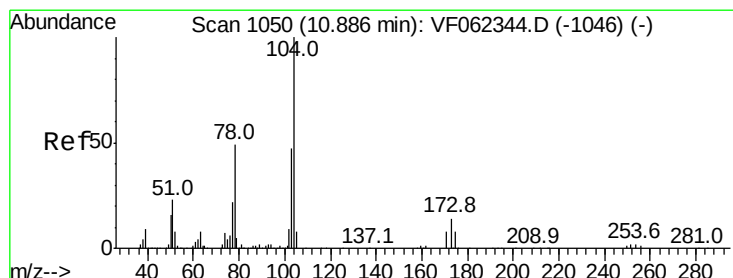
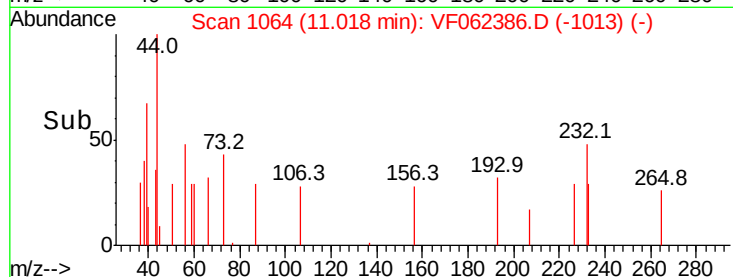
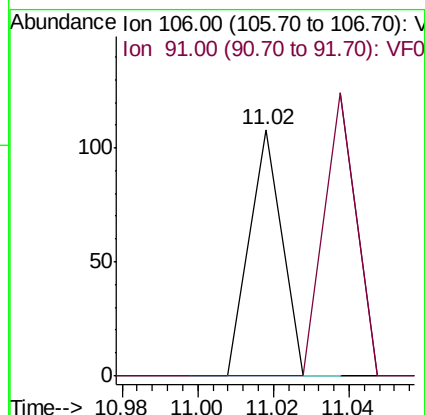
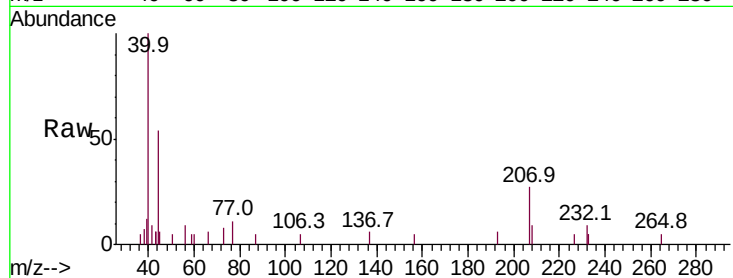




#69
o-Xylene
Concen: 71.955 ug/l
RT: 11.02 min Scan# 1064
Delta R.T. 0.20 min
Lab File: VF062386.D
Acq: 8 May 2019 19:24

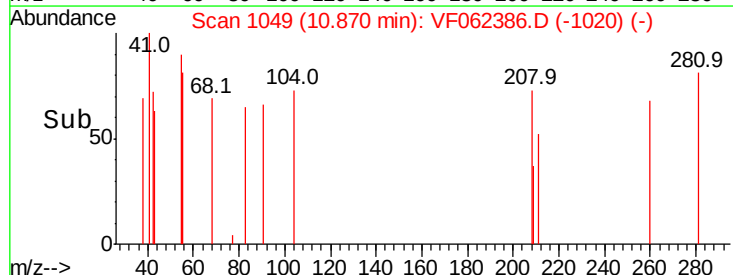
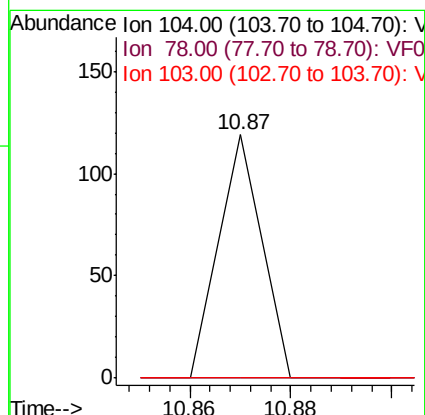
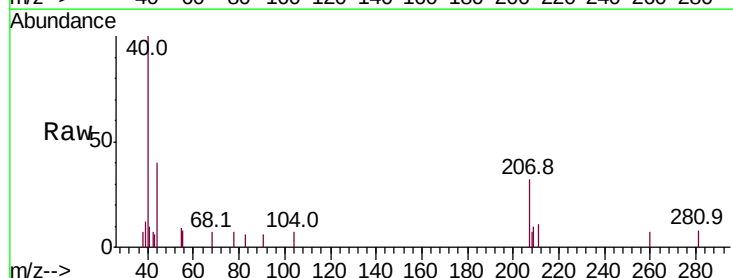
Instrument :
MSVOA_F
ClientSampled :
SB-08-1.5-2.0

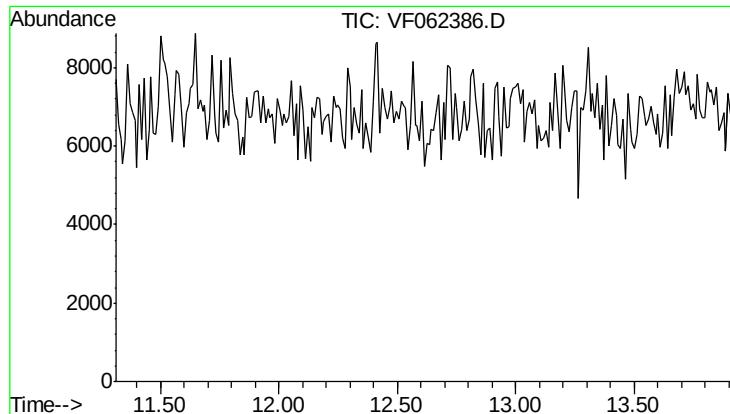
Tot Ion:106 Resp: 64
Ion Ratio Lower Upper
106 100
91 114.1 111.3 333.8



#70
Styrene
Concen: 52.512 ug/l
RT: 10.87 min Scan# 1049
Delta R.T. -0.02 min
Lab File: VF062386.D
Acq: 8 May 2019 19:24

Tgt Ion:104 Resp: 70
Ion Ratio Lower Upper
104 100
78 0.0 39.5 59.3#
103 0.0 38.4 57.6#





#72
1,4-Dichlorobenzene-d4
Concen: 0.000 ug/l
Expected RT: 12.61 min
Lab File: VF062386.D
Acq: 8 May 2019 19:24

Instrument :
MSVOA_F
ClientSampleId :
SB-08-1.5-2.0

Tot Ion	152
Sig	Exp Ratio
152	100
115	52.8
150	167.5

