

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF050819\
 Data File : VF062388.D
 Acq On : 8 May 2019 20:20
 Operator : FY/SY
 Sample : K2672-01RE
 Misc : 5.01µ/5mL/MSVOA F/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 SB-01-1.0-1.5RE

Quant Time: May 09 05:04:02 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	5.02	168	3297	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.77	114	2010	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	170	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.82	152	59	50.00	ug/l	0.21

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.83	65	157	5.04	ug/l	-0.19
Spiked Amount	50.000		Recovery	=	10.08%	
35) Dibromofluoromethane	4.29	113	108	6.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	13.48%	
50) Toluene-d8	7.71	98	503	12.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	25.96%	
62) 4-Bromofluorobenzene	11.72	95	63	3.60	ug/l	0.23
Spiked Amount	50.000		Recovery	=	7.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.99	85	77	2.018	ug/l #	41
3) Chloromethane	1.17	50	101	4.013	ug/l #	42
4) Vinyl Chloride	1.05	62	82	3.267	ug/l #	42
5) Bromomethane	1.40	94	234	10.364	ug/l #	3
6) Chloroethane	1.34	64	79	6.260	ug/l #	41
8) Diethyl Ether	1.58	74	120	15.228	ug/l	85
10) Methyl Iodide	1.98	142	62	1.265	ug/l #	29
11) Tert butyl alcohol	2.70	59	73	41.455	ug/l #	70
12) 1,1-Dichloroethene	1.85	96	62	2.453	ug/l #	1
13) Acrolein	2.12	56	76	53.202	ug/l #	13
14) Allyl chloride	2.20	41	474	21.228	ug/l #	94
15) Acrylonitrile	3.04	53	61	18.287	ug/l #	1
16) Acetone	2.33	43	81	12.851	ug/l #	1
17) Carbon Disulfide	1.95	76	98	1.778	ug/l #	71
18) Methyl Acetate	2.49	43	215	16.613	ug/l #	58
19) Methyl tert-butyl Ether	2.55	73	337	6.458	ug/l #	61
20) Methylene Chloride	2.29	84	229	10.042	ug/l #	1
21) trans-1,2-Dichloroethene	2.37	96	136	5.647	ug/l #	1
22) Diisopropyl ether	2.93	45	205	2.937	ug/l #	39
23) Vinyl Acetate	3.31	43	355	11.413	ug/l #	79
24) 1,1-Dichloroethane	3.01	63	131	3.106	ug/l #	86
25) 2-Butanone	4.50	43	300	37.885	ug/l #	60
26) 2,2-Dichloropropane	3.77	77	274	11.633	ug/l	88
27) cis-1,2-Dichloroethene	3.76	96	152	5.049	ug/l	37
28) Bromochloromethane	3.94	49	92	4.809	ug/l #	1
29) Tetrahydrofuran	4.24	42	181	49.734	ug/l #	36
30) Chloroform	4.02	83	60	1.053	ug/l #	19
31) Cyclohexane	3.87	56	148	4.396	ug/l #	16
36) 1,1-Dichloropropene	4.39	75	73	4.228	ug/l #	1
37) Ethyl Acetate	4.33	43	69	5.581	ug/l #	73
38) Carbon Tetrachloride	4.04	117	90	2.378	ug/l #	14
39) Methylcyclohexane	5.85	83	76	4.389	ug/l #	14
40) Benzene	4.83	78	263	6.917	ug/l #	48
41) Methacrylonitrile	4.95	41	513	123.907	ug/l #	22

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Quant Time: May 09 05:04:02 2019
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 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)
42) 1,2-Dichloroethane	4.98	62	69	4.339	ug/l #	82
43) Isopropyl Acetate	7.10	43	163	20.754	ug/l #	48
44) Trichloroethene	5.82	130	65	4.654	ug/l	2
45) 1,2-Dichloropropane	6.27	63	94	10.915	ug/l #	43
46) Dibromomethane	6.35	93	62	8.683	ug/l #	1
47) Bromodichloromethane	6.51	83	70	3.921	ug/l #	27
48) Methyl methacrylate	6.84	41	428	77.115	ug/l #	17
51) 4-Methyl-2-Pentanone	8.41	43	88	14.787	ug/l #	40
52) Toluene	7.79	92	98	4.178	ug/l #	23
53) t-1,3-Dichloropropene	8.49	75	104	7.702	ug/l #	43
54) cis-1,3-Dichloropropene	7.46	75	62	3.945	ug/l #	74
56) Ethyl methacrylate	8.88	69	97	12.341	ug/l #	1
57) 1,3-Dichloropropane	9.01	76	93	8.268	ug/l #	1
58) 2-Chloroethyl Vinyl ether	7.50	63	83	35.123	ug/l #	42
59) 2-Hexanone	9.62	43	302	73.376	ug/l #	28
60) Dibromochloromethane	8.89	129	75	6.158	ug/l #	11
61) 1,2-Dibromoethane	8.92	107	140	15.997	ug/l #	3
64) Tetrachloroethene	8.32	164	77	55.793	ug/l #	1
65) Chlorobenzene	9.80	112	81	28.797	ug/l #	43
66) 1,1,1,2-Tetrachloroethane	10.20	131	88	62.018	ug/l #	54
67) Ethyl Benzene	10.06	91	67	13.603	ug/l #	45
68) m/p-Xylenes	10.36	106	66	36.318	ug/l #	31
70) Styrene	10.79	104	73	24.804	ug/l #	28
71) Bromoform	10.83	173	60	77.183	ug/l #	29
73) Isopropylbenzene	10.99	105	63	18.012	ug/l #	50
74) N-amyl acetate	11.42	43	821	1093.327	ug/l #	53
75) 1,1,2,2-Tetrachloroethane	11.84	83	104	189.899	ug/l #	1
76) 1,2,3-Trichloropropane	11.87	75	68	162.746	ug/l #	100
77) Bromobenzene	11.37	156	61	66.451	ug/l #	1
78) n-propylbenzene	11.66	91	116	31.150	ug/l #	52
79) 2-Chlorotoluene	11.66	91	116	50.095	ug/l #	1
80) 1,3,5-Trimethylbenzene	11.87	105	77	25.116	ug/l #	28
81) trans-1,4-Dichloro-2-buten	11.92	75	171	1088.775	ug/l #	55
82) 4-Chlorotoluene	11.93	91	95	41.538	ug/l #	39
83) tert-Butylbenzene	12.13	119	61	18.933	ug/l #	26
84) 1,2,4-Trimethylbenzene	12.21	105	72	23.999	ug/l #	31
85) sec-Butylbenzene	12.35	105	60	15.299	ug/l #	57
86) p-Isopropyltoluene	12.54	119	90	24.701	ug/l #	1
87) 1,3-Dichlorobenzene	12.68	146	75	44.735	ug/l #	25
88) 1,4-Dichlorobenzene	12.68	146	75	46.350	ug/l #	25
89) n-Butylbenzene	12.91	91	91	28.072	ug/l #	29
90) Hexachloroethane	13.05	117	84	92.332	ug/l #	3
91) 1,2-Dichlorobenzene	12.98	146	73	44.986	ug/l #	24
92) 1,2-Dibromo-3-Chloropropan	13.73	75	132	1075.857	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.39	180	70	48.093	ug/l #	11
94) Hexachlorobutadiene	14.15	225	59	54.386	ug/l #	18
95) Naphthalene	14.24	128	62	28.333	ug/l #	69
96) 1,2,3-Trichlorobenzene	14.60	180	88	62.407	ug/l #	11

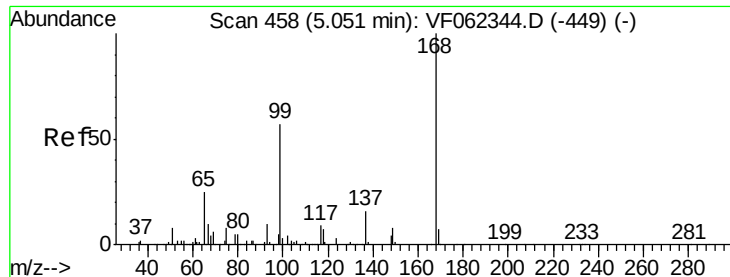
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF050819\
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Response via : Initial Calibration

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

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.02 min Scan# 456

Delta R.T. -0.03 min

Lab File: VF062388.D

Acq: 8 May 2019 20:20

Instrument :

MSVOA_F

ClientSampleId :

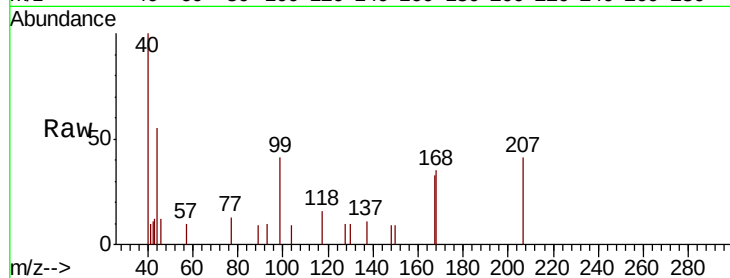
SB-01-1.0-1.5RE

Tot Ion:168 Resp: 3297

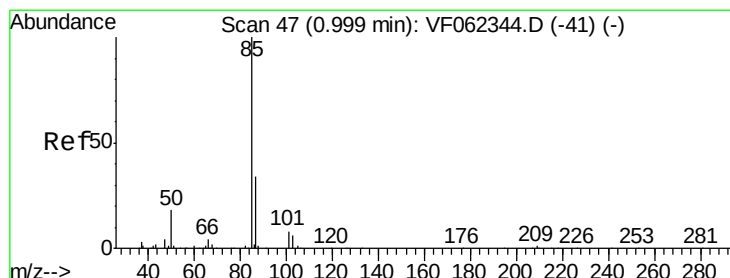
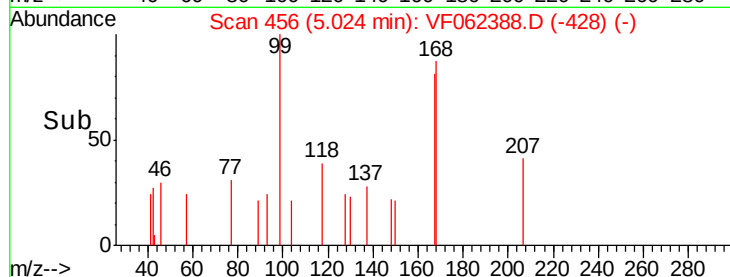
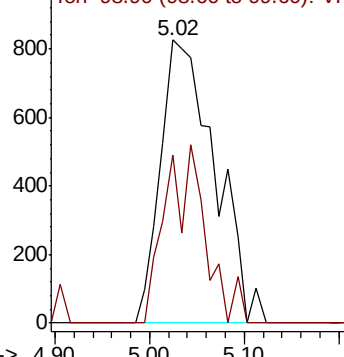
Ion Ratio Lower Upper

168 100

99 59.3 45.9 68.9



Abundance Ion 167.90 (167.60 to 168.60): VF0



#2

Dichlorodifluoromethane

Concen: 2.018 ug/l

RT: 0.99 min Scan# 47

Delta R.T. -0.01 min

Lab File: VF062388.D

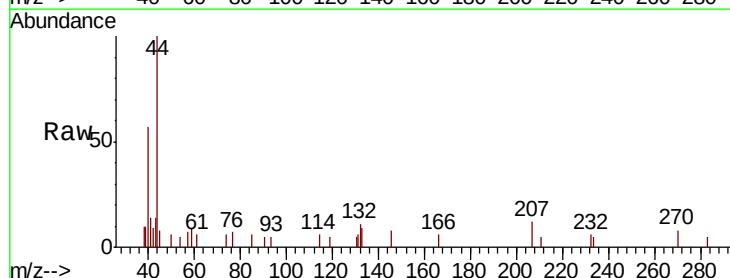
Acq: 8 May 2019 20:20

Tgt Ion: 85 Resp: 77

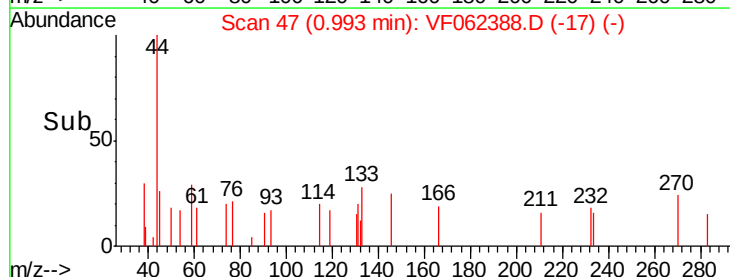
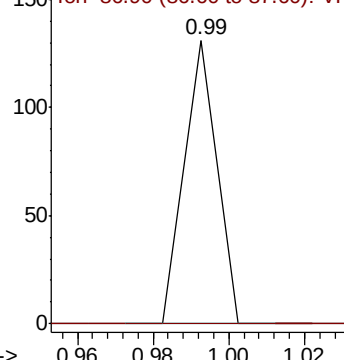
Ion Ratio Lower Upper

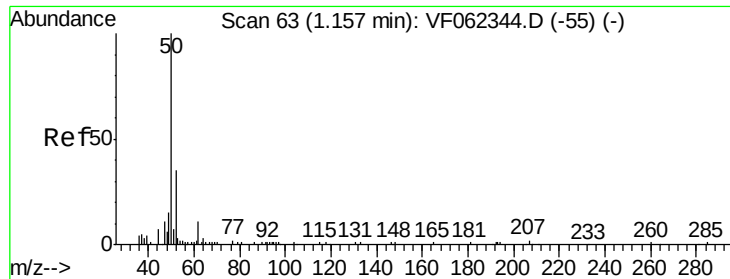
85 100

87 0.0 16.8 50.4#



Abundance Ion 84.90 (84.60 to 85.60): VF0





#3

Chloromethane

Concen: 4.013 ug/l

RT: 1.17 min Scan# 65

Delta R.T. 0.01 min

Lab File: VF062388.D

Acq: 8 May 2019 20:20

Instrument :

MSVOA_F

ClientSampleId :

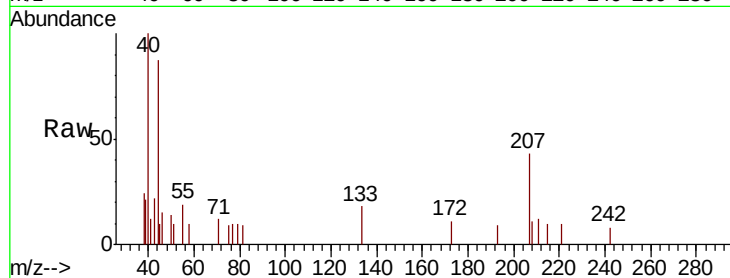
SB-01-1.0-1.5RE

Tot Ion: 50 Resp: 101

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

1.17

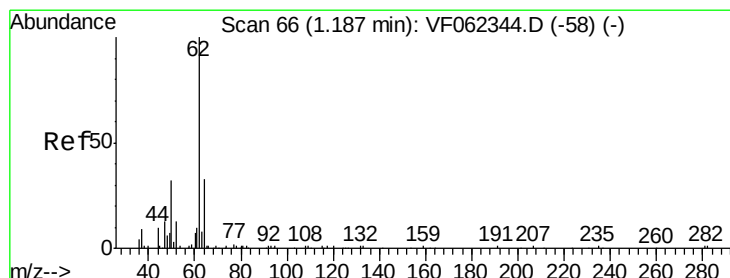
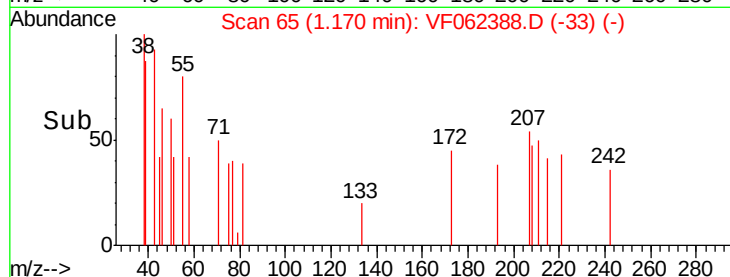
150

100

50

0

Time-->



#4

Vinyl Chloride

Concen: 3.267 ug/l

RT: 1.05 min Scan# 53

Delta R.T. -0.13 min

Lab File: VF062388.D

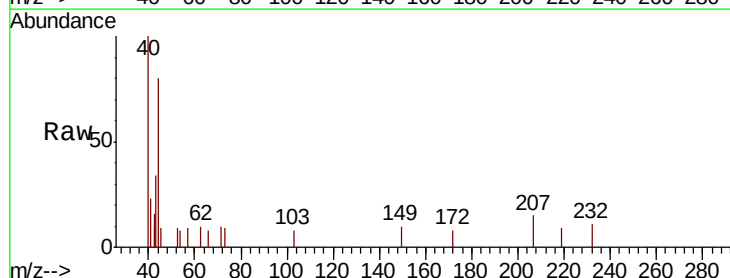
Acq: 8 May 2019 20:20

Tgt Ion: 62 Resp: 82

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

1.05

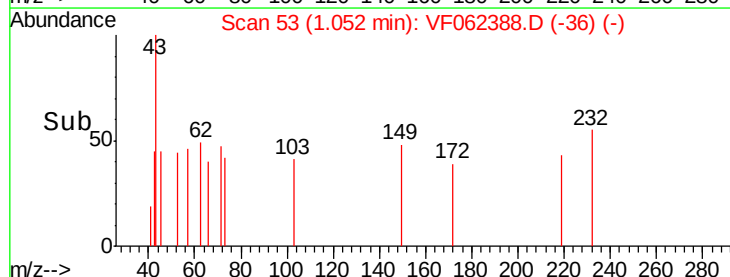
150

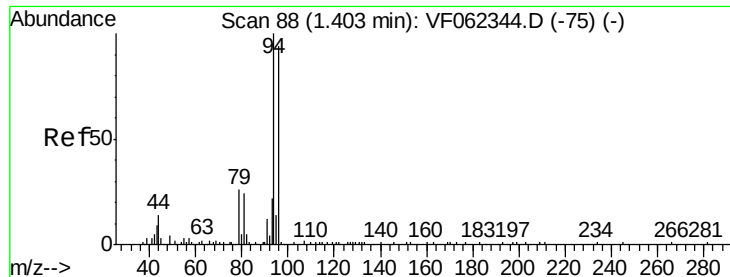
100

50

0

Time-->





#5

Bromomethane

Concen: 10.364 ug/l

RT: 1.40 min Scan# 88

Delta R.T. -0.01 min

Lab File: VF062388.D

Acq: 8 May 2019 20:20

Instrument :

MSVOA_F

ClientSampleId :

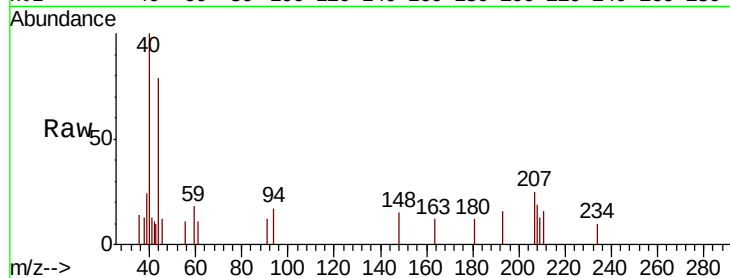
SB-01-1.0-1.5RE

Tot Ion: 94 Resp: 234

Ion Ratio Lower Upper

94 100

96 0.0 75.4 113.2#



Abundance Ion 93.90 (93.60 to 94.60): VF0

Ion 95.90 (95.60 to 96.60): VF0

1.40

150

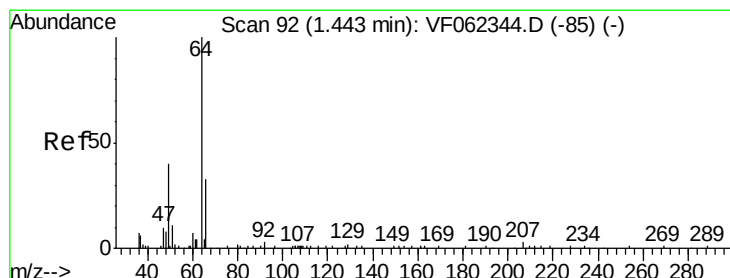
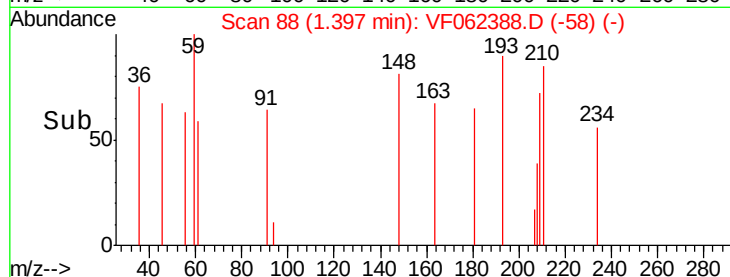
100

50

0

1.35 1.40 1.45

Time-->



#6

Chloroethane

Concen: 6.260 ug/l

RT: 1.34 min Scan# 82

Delta R.T. -0.11 min

Lab File: VF062388.D

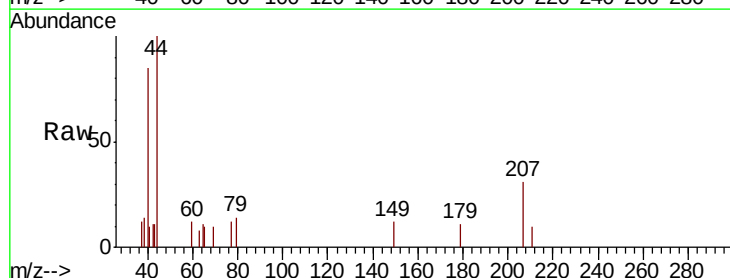
Acq: 8 May 2019 20:20

Tgt Ion: 64 Resp: 79

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

1.34

150

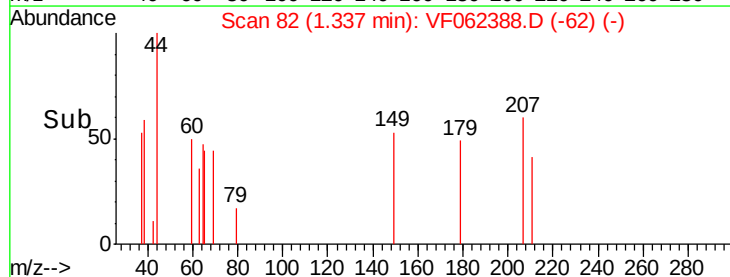
100

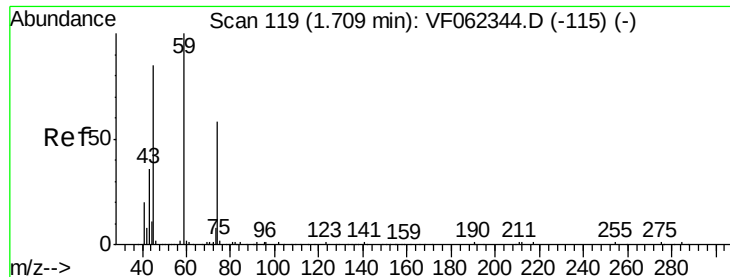
50

0

1.30 1.32 1.34 1.36

Time-->





#8

Diethyl Ether

Concen: 15.228 ug/l

RT: 1.58 min Scan# 107

Delta R.T. -0.13 min

Lab File: VF062388.D

Acq: 8 May 2019 20:20

Instrument :

MSVOA_F

ClientSampleId :

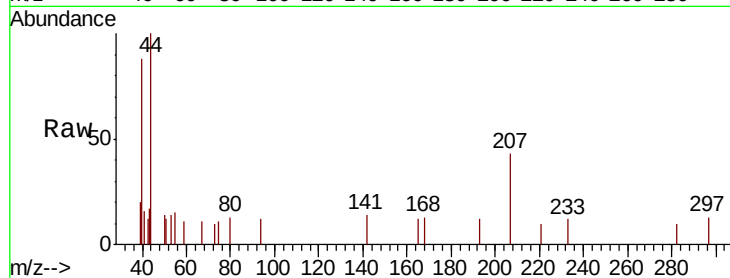
SB-01-1.0-1.5RE

Tot Ion: 74 Resp: 120

Ion Ratio Lower Upper

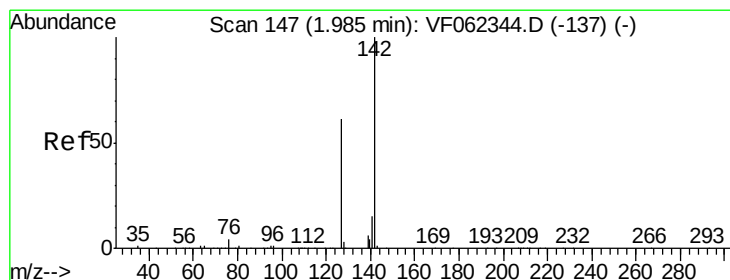
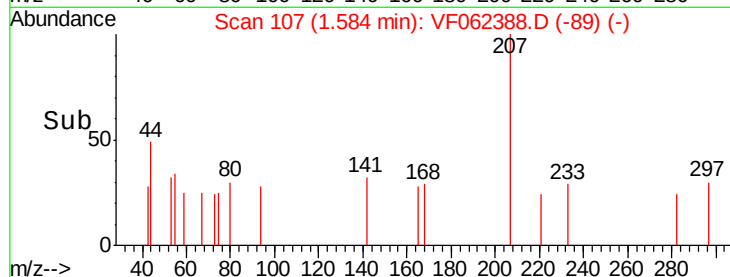
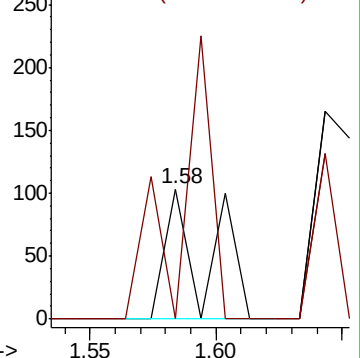
74 100

45 166.7 73.9 221.6



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0



#10

Methyl Iodide

Concen: 1.265 ug/l

RT: 1.98 min Scan# 147

Delta R.T. -0.01 min

Lab File: VF062388.D

Acq: 8 May 2019 20:20

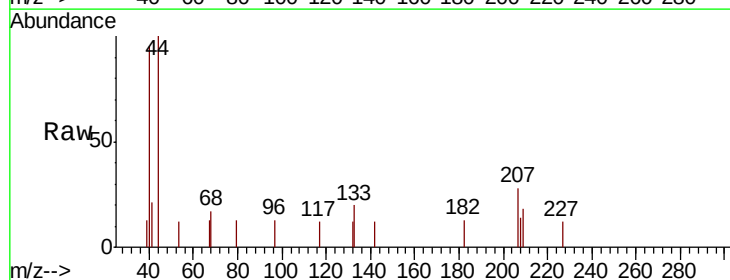
Tgt Ion: 142 Resp: 62

Ion Ratio Lower Upper

142 100

127 0.0 48.4 72.6#

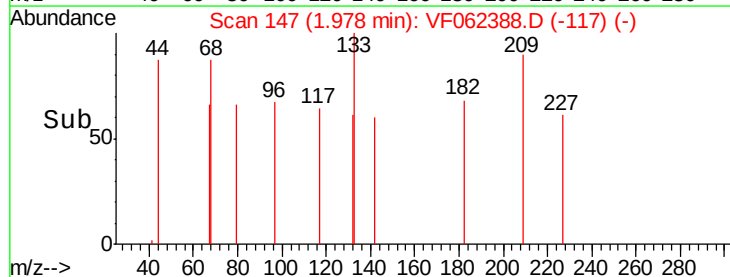
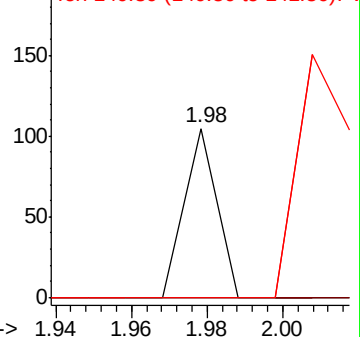
141 0.0 12.2 18.4#

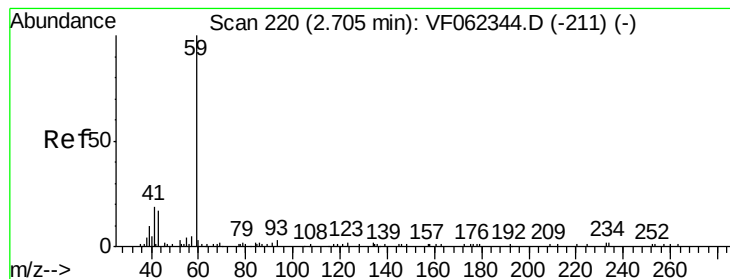


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 41.455 ug/l

RT: 2.70 min Scan# 220

Delta R.T. -0.01 min

Lab File: VF062388.D

Acq: 8 May 2019 20:20

Instrument :

MSVOA_F

ClientSampleId :

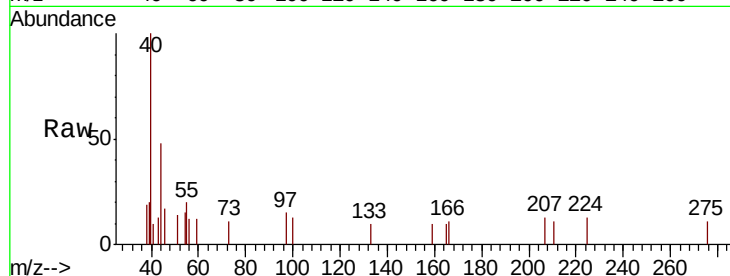
SB-01-1.0-1.5RE

Tot Ion: 59 Resp: 73

Ion Ratio Lower Upper

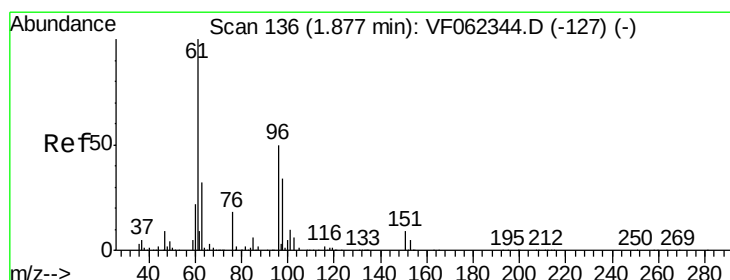
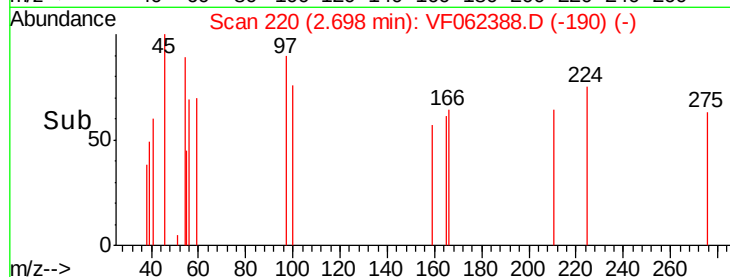
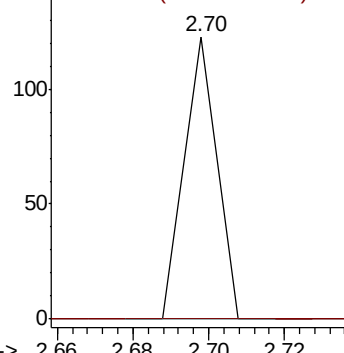
59 100

57 0.0 9.3 13.9#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0



#12

1,1-Dichloroethene

Concen: 2.453 ug/l

RT: 1.85 min Scan# 134

Delta R.T. -0.03 min

Lab File: VF062388.D

Acq: 8 May 2019 20:20

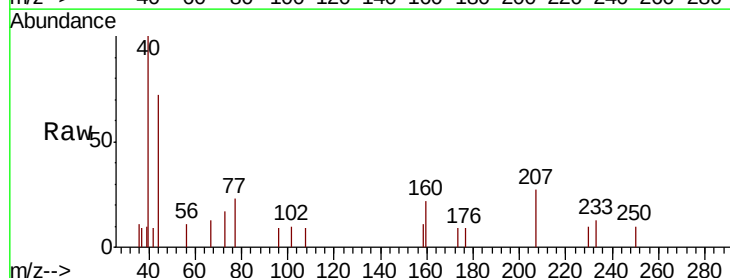
Tgt Ion: 96 Resp: 62

Ion Ratio Lower Upper

96 100

61 0.0 163.2 244.8#

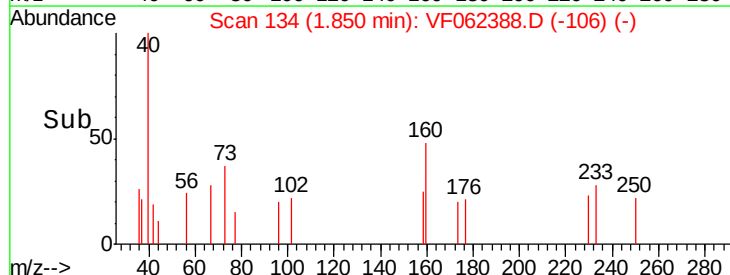
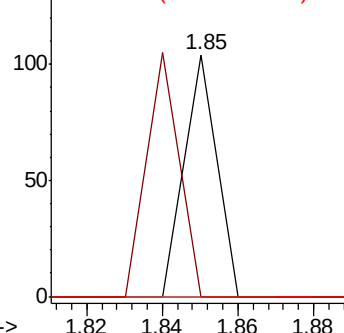
98 0.0 55.2 82.8#

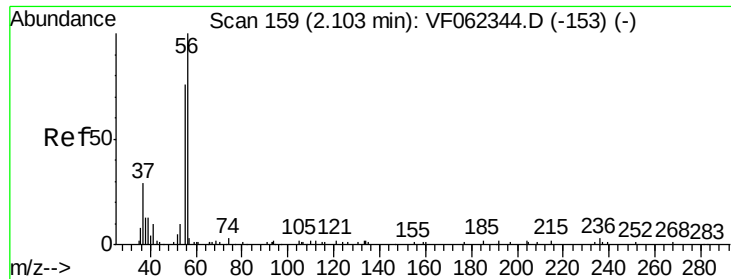


Abundance Ion 95.90 (95.60 to 96.60): VF0

Ion 60.90 (60.60 to 61.60): VF0

Ion 97.90 (97.60 to 98.60): VF0

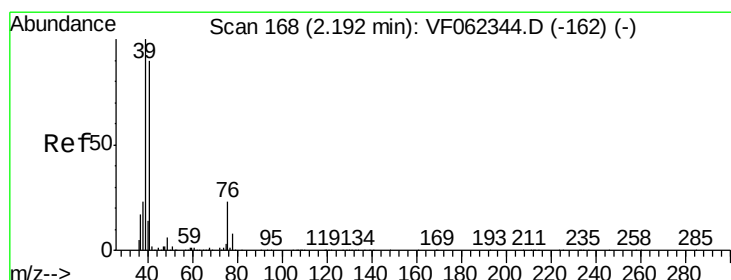
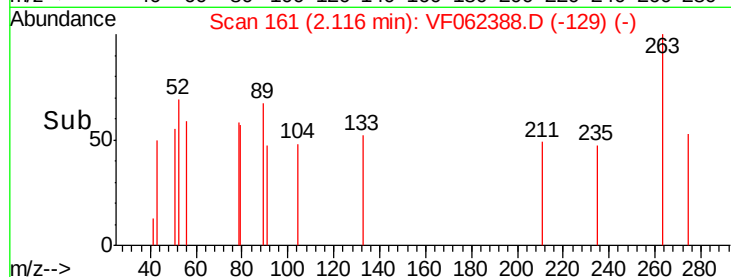
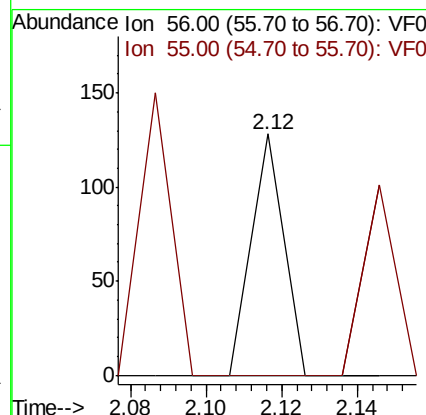
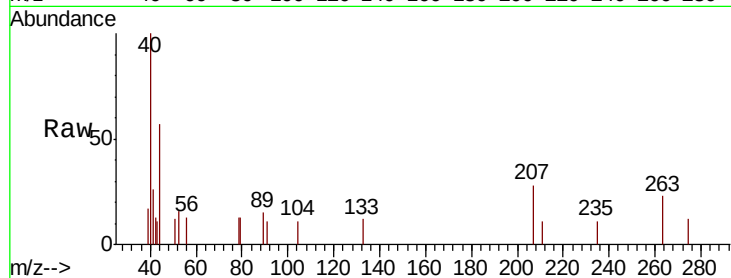




#13
Acrolein
Concen: 53.202 ug/l
RT: 2.12 min Scan# 161
Delta R.T. 0.01 min
Lab File: VF062388.D
Acq: 8 May 2019 20:20

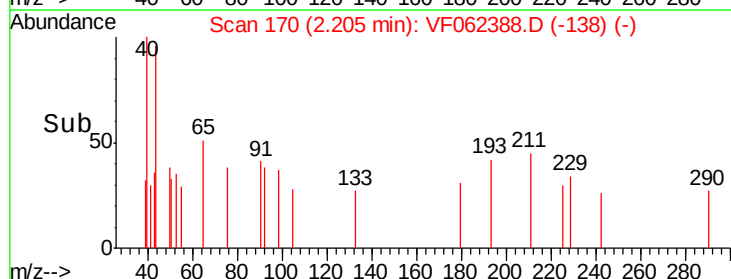
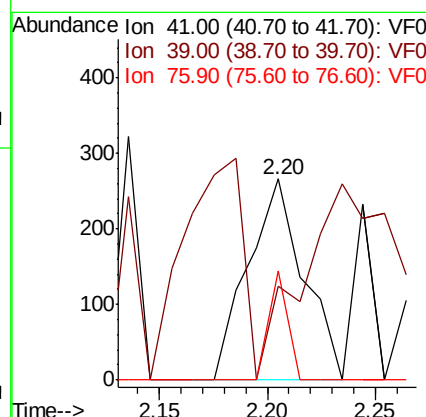
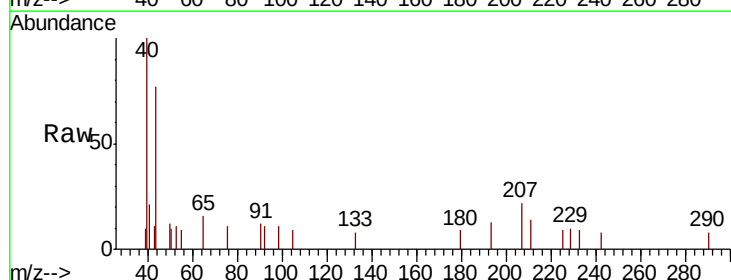
Instrument :
MSVOA_F
ClientSampleId :
SB-01-1.0-1.5RE

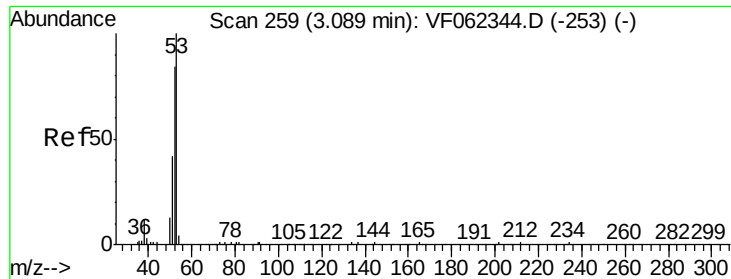
Tot Ion: 56 Resp: 76
Ion Ratio Lower Upper
56 100
55 0.0 58.4 87.6#



#14
Allyl chloride
Concen: 21.228 ug/l
RT: 2.20 min Scan# 170
Delta R.T. 0.01 min
Lab File: VF062388.D
Acq: 8 May 2019 20:20

Tgt Ion: 41 Resp: 474
Ion Ratio Lower Upper
41 100
39 116.5 90.8 136.2
76 18.1 22.2 33.4#





#15

Acrylonitrile

Concen: 18.287 ug/l

RT: 3.04 min Scan# 255

Delta R.T. -0.05 min

Lab File: VF062388.D

Acq: 8 May 2019 20:20

Instrument :

MSVOA_F

ClientSampleId :

SB-01-1.0-1.5RE

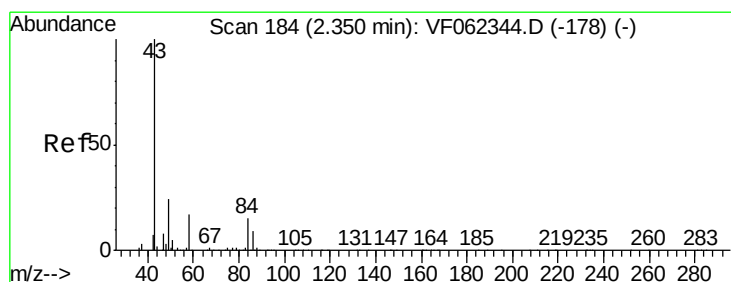
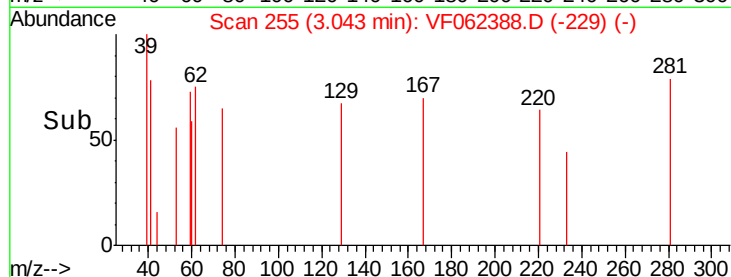
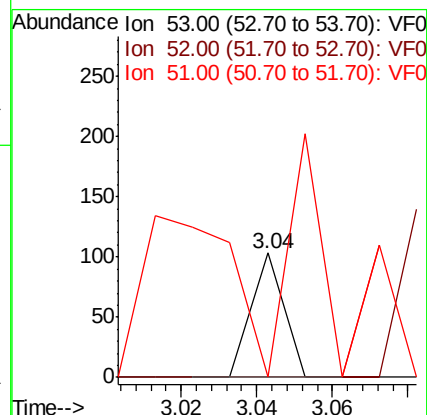
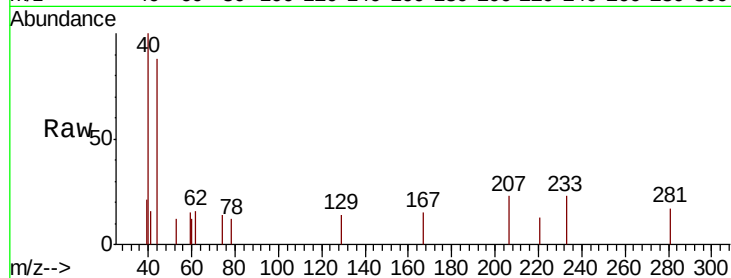
Tot Ion: 53 Resp: 61

Ion Ratio Lower Upper

53 100

52 0.0 77.2 115.8#

51 303.3 40.6 61.0#



#16

Acetone

Concen: 12.851 ug/l

RT: 2.33 min Scan# 183

Delta R.T. -0.02 min

Lab File: VF062388.D

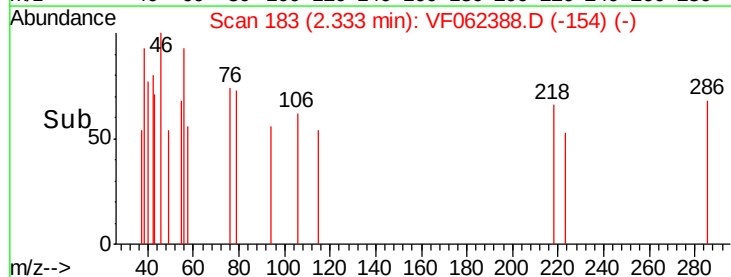
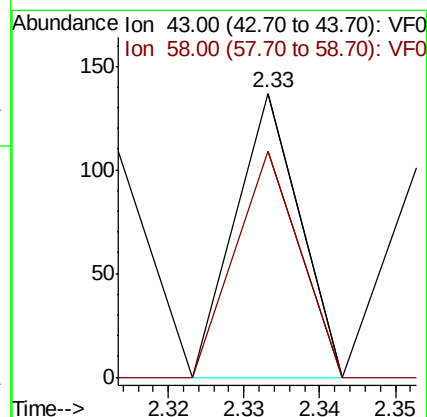
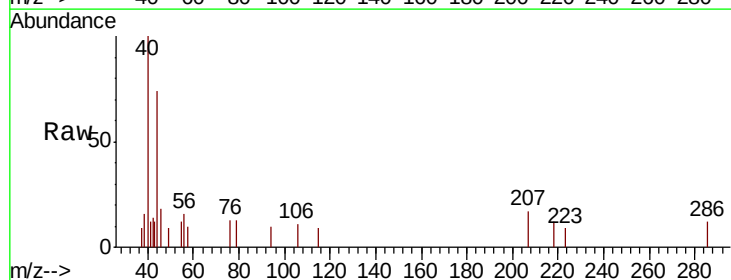
Acq: 8 May 2019 20:20

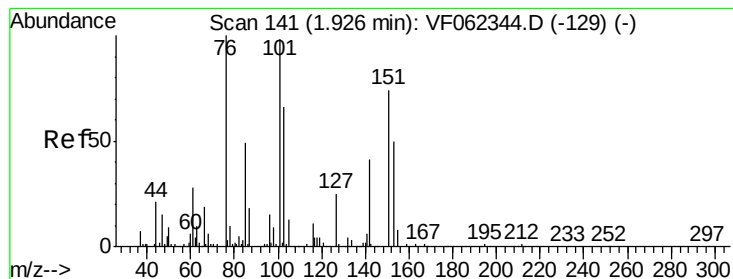
Tgt Ion: 43 Resp: 81

Ion Ratio Lower Upper

43 100

58 79.6 13.1 19.7#





#17

Carbon Disulfide

Concen: 1.778 ug/l

RT: 1.95 min Scan# 144

Delta R.T. 0.02 min

Lab File: VF062388.D

Acq: 8 May 2019 20:20

Instrument :

MSVOA_F

ClientSampleId :

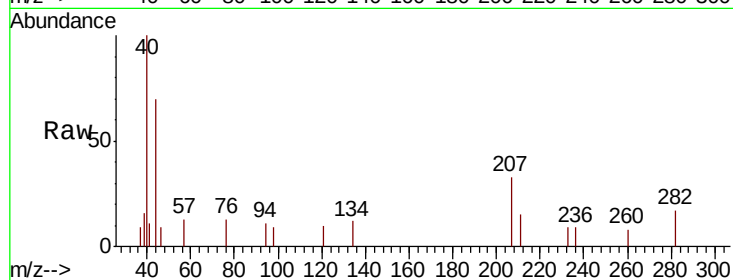
SB-01-1.0-1.5RE

Tot Ion: 76 Resp: 98

Ion Ratio Lower Upper

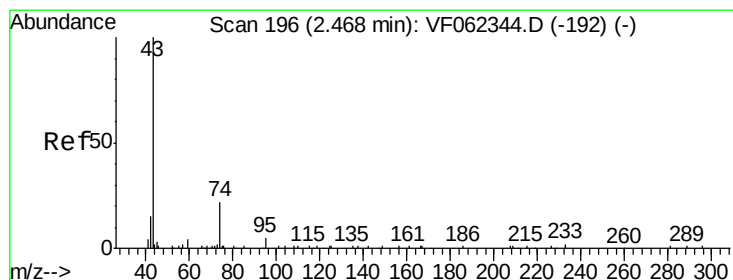
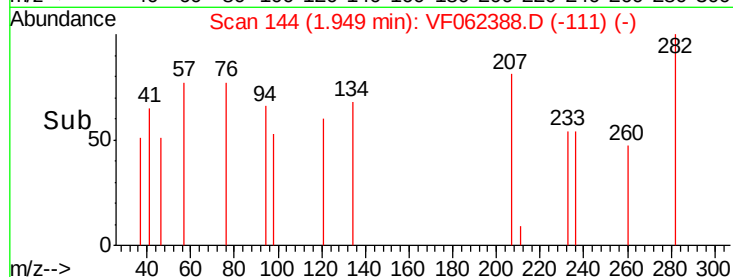
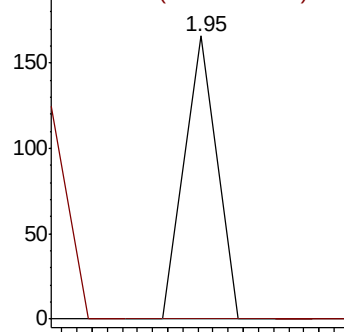
76 100

78 0.0 9.0 13.4#



Abundance Ion 75.90 (75.60 to 76.60): VF0

Ion 77.90 (77.60 to 78.60): VF0



#18

Methyl Acetate

Concen: 16.613 ug/l

RT: 2.49 min Scan# 199

Delta R.T. 0.02 min

Lab File: VF062388.D

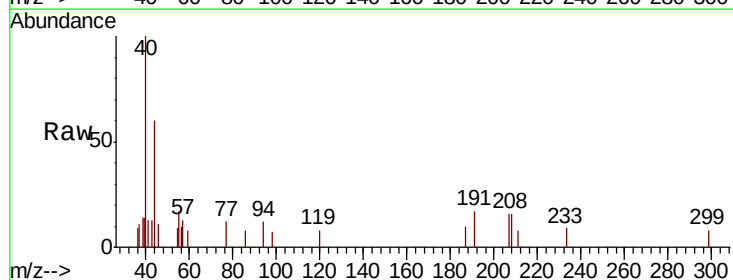
Acq: 8 May 2019 20:20

Tgt Ion: 43 Resp: 215

Ion Ratio Lower Upper

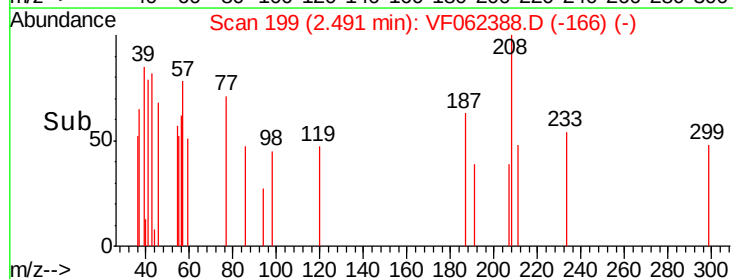
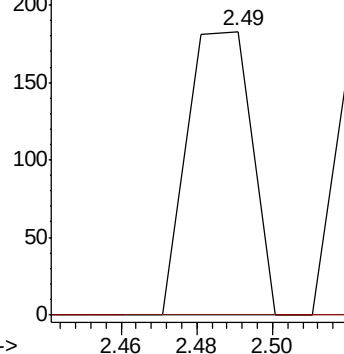
43 100

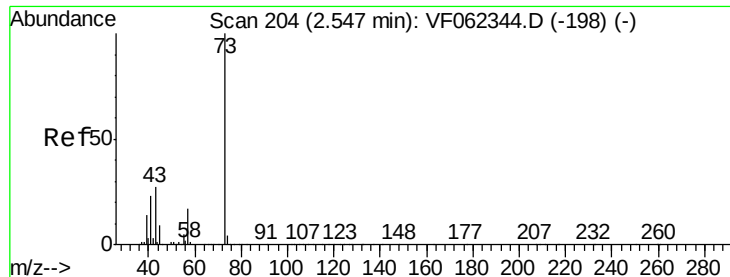
74 0.0 15.0 22.4#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0



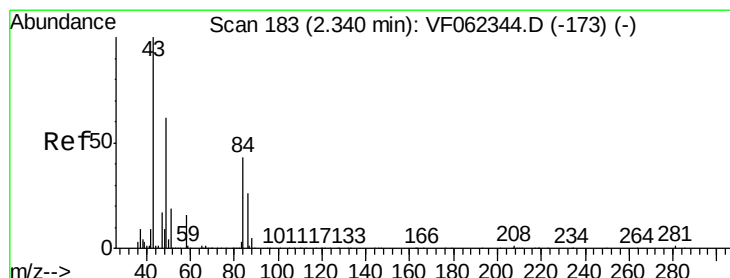
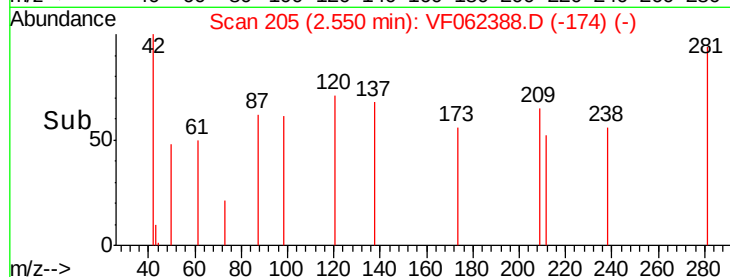
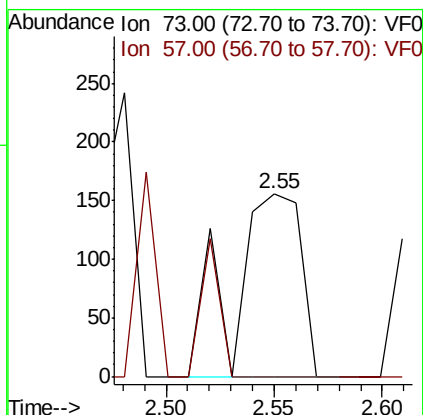
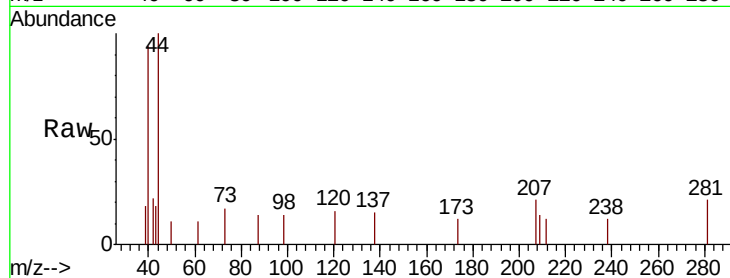


#19

Methyl tert-butyl Ether
 Concen: 6.458 ug/l
 RT: 2.55 min Scan# 205
 Delta R.T. 0.00 min
 Lab File: VF062388.D
 Acq: 8 May 2019 20:20

Instrument :
 MSVOA_F
 ClientSampleId :
 SB-01-1.0-1.5RE

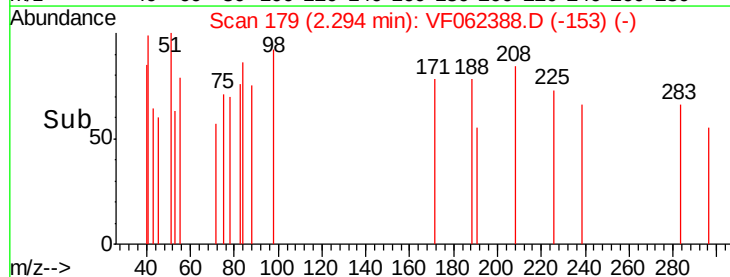
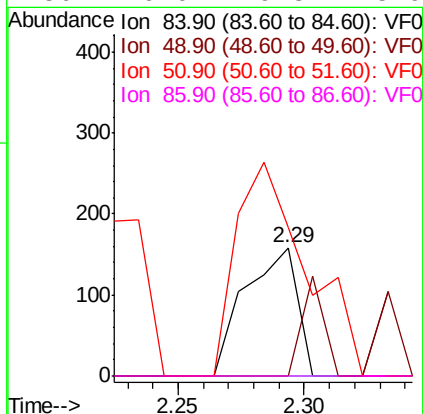
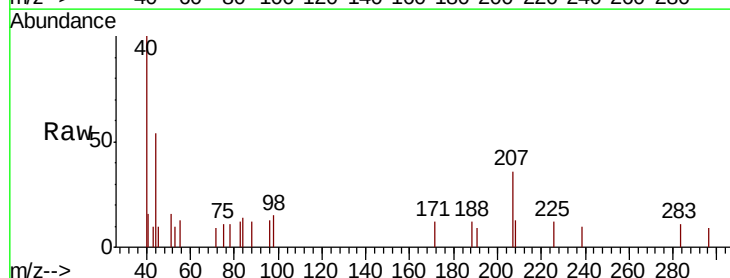
Tot Ion: 73 Resp: 337
 Ion Ratio Lower Upper
 73 100
 57 0.0 13.7 20.5#

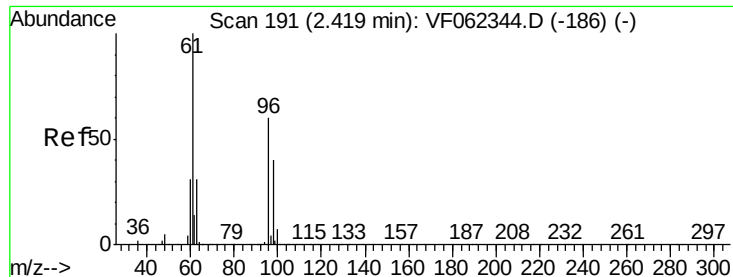


#20

Methylene Chloride
 Concen: 10.042 ug/l
 RT: 2.29 min Scan# 179
 Delta R.T. -0.05 min
 Lab File: VF062388.D
 Acq: 8 May 2019 20:20

Tgt Ion: 84 Resp: 229
 Ion Ratio Lower Upper
 84 100
 49 0.0 117.5 176.3#
 51 116.5 37.0 55.4#
 86 0.0 49.3 73.9#





#21

trans-1,2-Dichloroethene

Concen: 5.647 ug/l

RT: 2.37 min Scan# 187

Delta R.T. -0.05 min

Lab File: VF062388.D

Acq: 8 May 2019 20:20

Instrument :

MSVOA_F

ClientSampleId :

SB-01-1.0-1.5RE

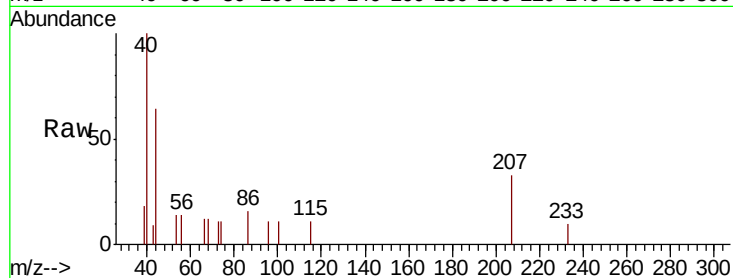
Tot Ion: 96 Resp: 136

Ion Ratio Lower Upper

96 100

61 0.0 133.2 199.8#

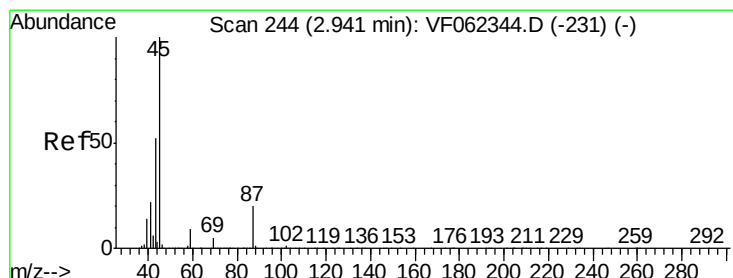
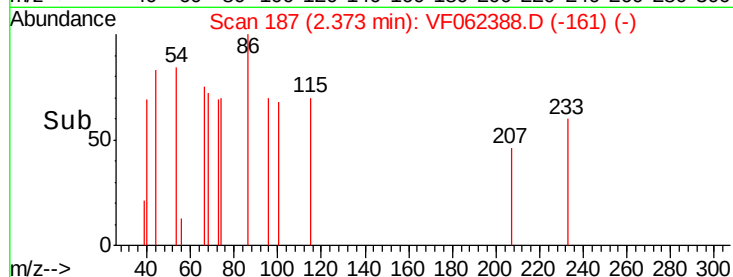
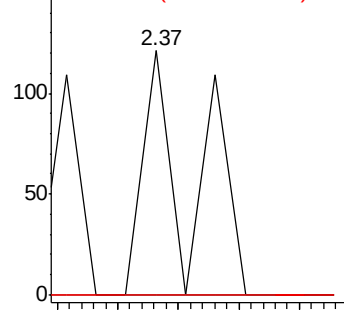
98 0.0 53.1 79.7#



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: 2.937 ug/l

RT: 2.93 min Scan# 244

Delta R.T. -0.01 min

Lab File: VF062388.D

Acq: 8 May 2019 20:20

Tgt Ion: 45 Resp: 205

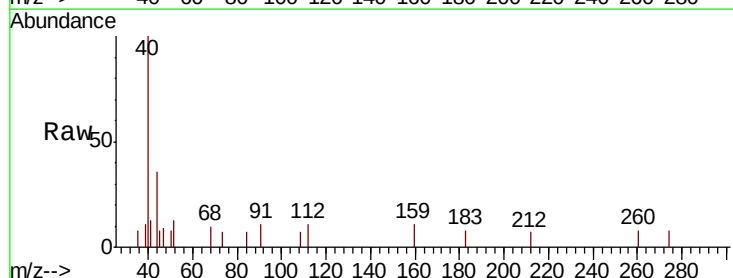
Ion Ratio Lower Upper

45 100

43 0.0 41.4 62.0#

87 0.0 15.8 23.6#

59 0.0 7.2 10.8#

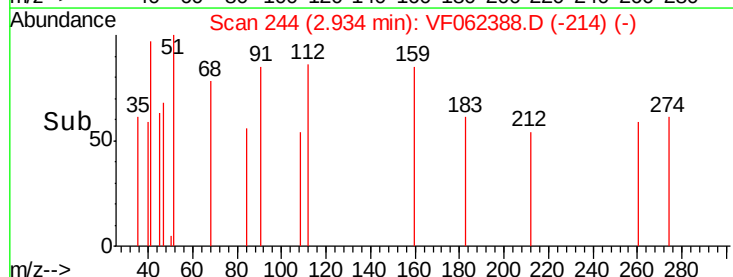
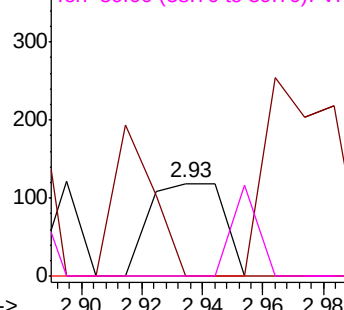


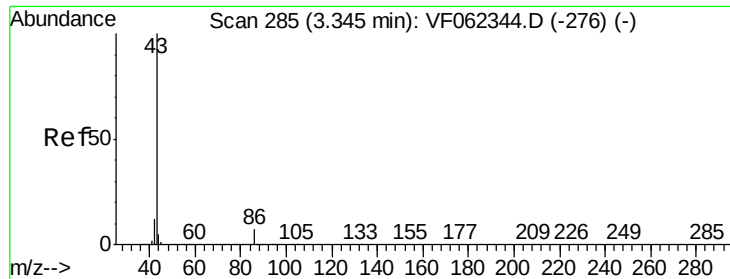
Abundance Ion 45.00 (44.70 to 45.70): VF0

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: 11.413 ug/l

RT: 3.31 min Scan# 282

Delta R.T. -0.04 min

Lab File: VF062388.D

Acq: 8 May 2019 20:20

Instrument :

MSVOA_F

ClientSampleId :

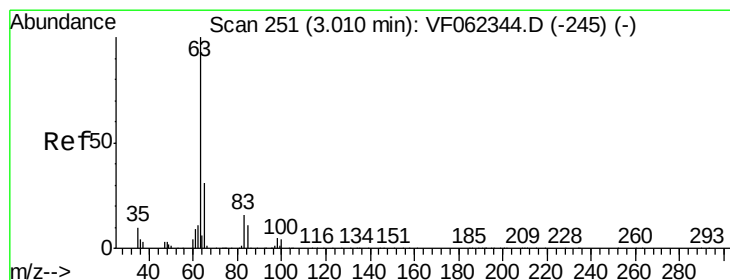
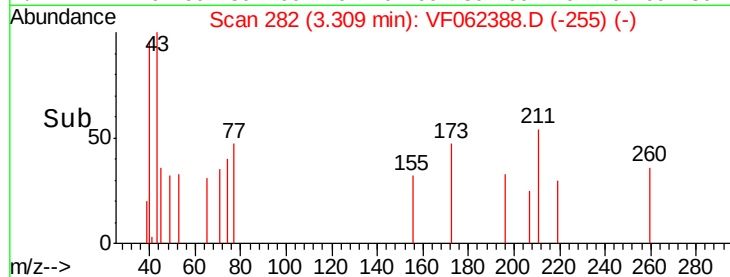
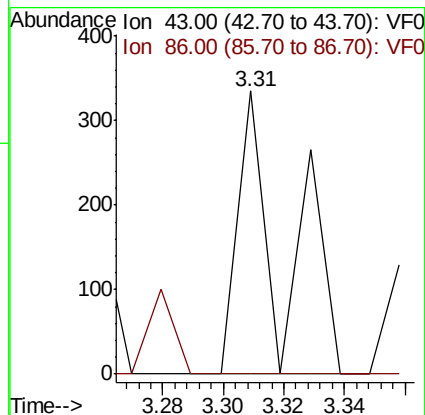
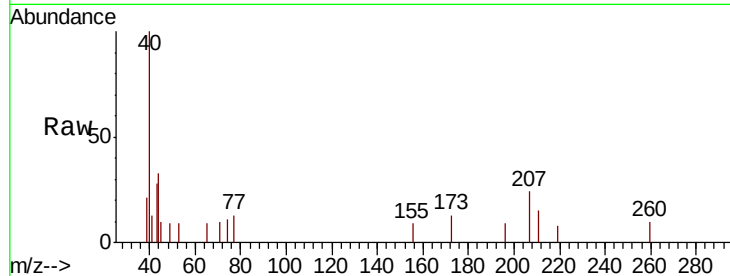
SB-01-1.0-1.5RE

Tot Ion: 43 Resp: 355

Ion Ratio Lower Upper

43 100

86 0.0 5.7 8.5#



#24

1,1-Dichloroethane

Concen: 3.106 ug/l

RT: 3.01 min Scan# 252

Delta R.T. 0.00 min

Lab File: VF062388.D

Acq: 8 May 2019 20:20

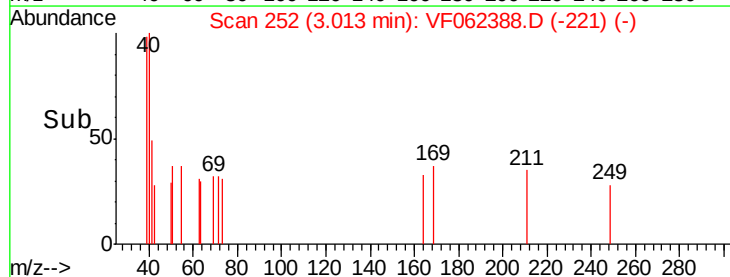
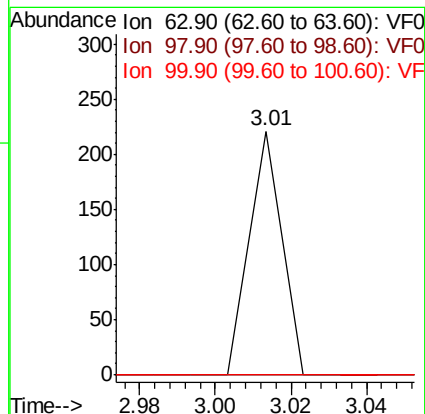
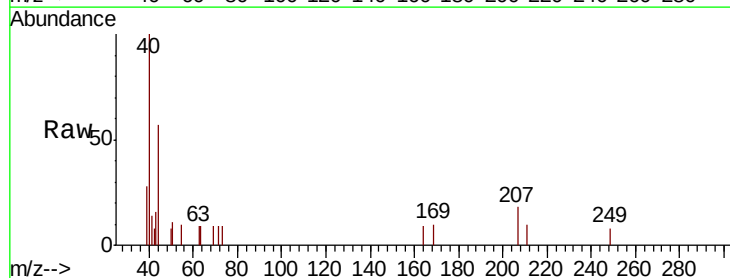
Tgt Ion: 63 Resp: 131

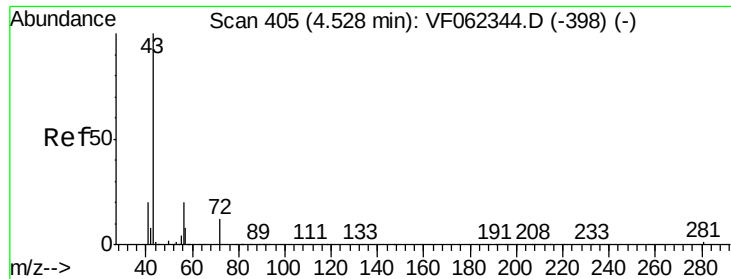
Ion Ratio Lower Upper

63 100

98 0.0 2.6 8.0#

100 0.0 1.8 5.4#





#25

2-Butanone

Concen: 37.885 ug/l

RT: 4.50 min Scan# 403

Delta R.T. -0.03 min

Lab File: VF062388.D

Acq: 8 May 2019 20:20

Instrument :

MSVOA_F

ClientSampleId :

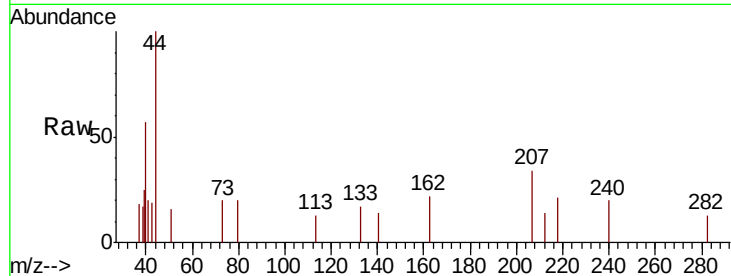
SB-01-1.0-1.5RE

Tot Ion: 43 Resp: 300

Ion Ratio Lower Upper

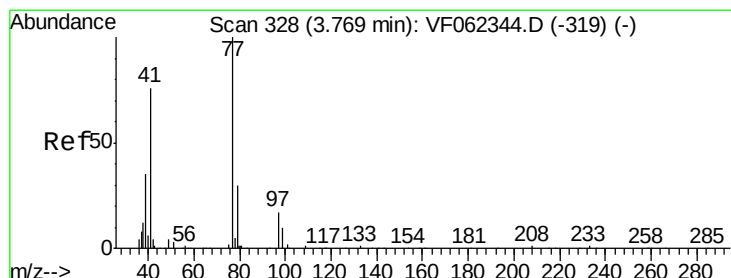
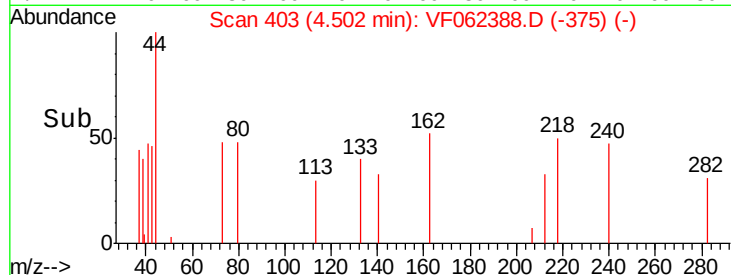
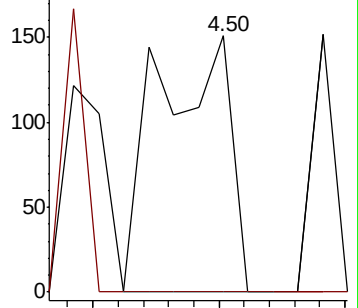
43 100

72 0.0 14.2 21.4#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#26

2,2-Dichloropropane

Concen: 11.633 ug/l

RT: 3.77 min Scan# 329

Delta R.T. 0.00 min

Lab File: VF062388.D

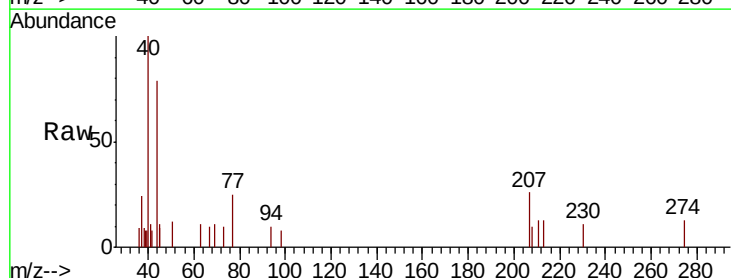
Acq: 8 May 2019 20:20

Tgt Ion: 77 Resp: 274

Ion Ratio Lower Upper

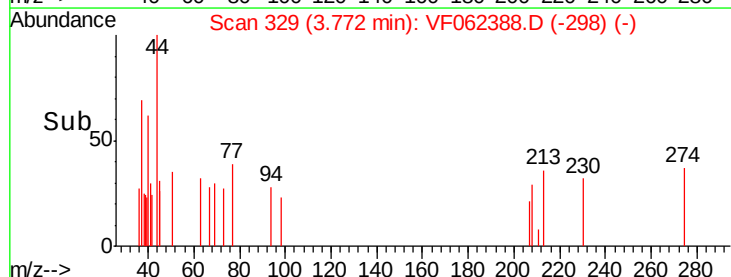
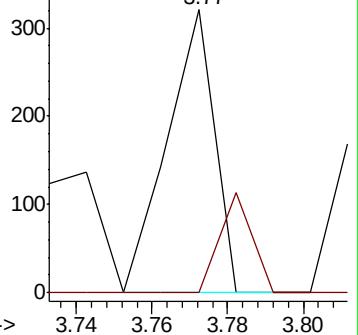
77 100

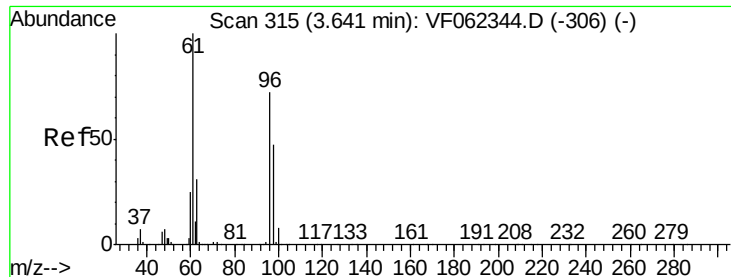
97 24.5 9.5 28.5



Abundance Ion 76.90 (76.60 to 77.60): VF0

Ion 96.90 (96.60 to 97.60): VF0



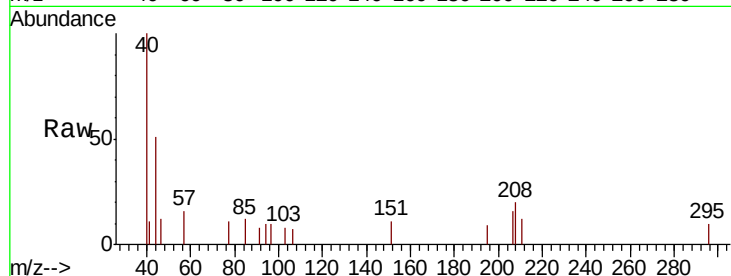


#27

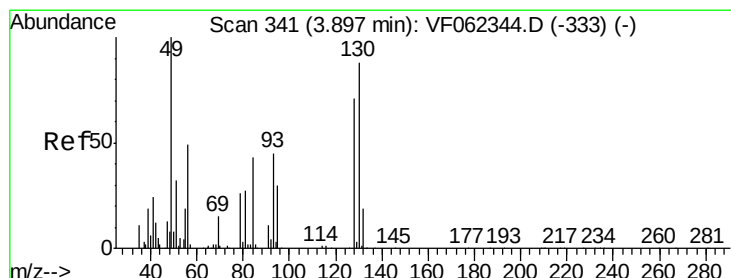
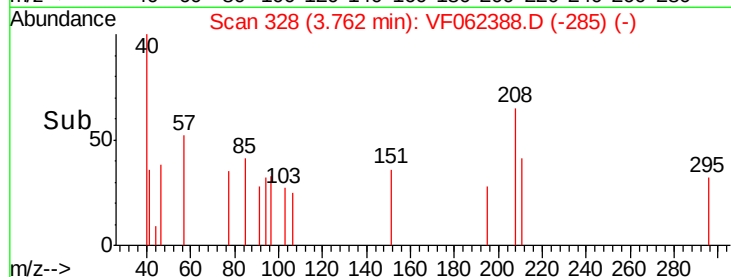
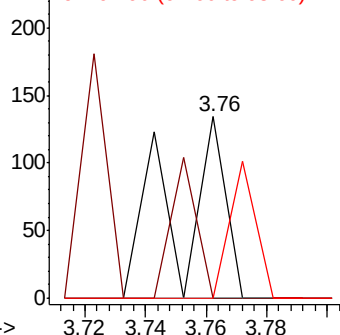
cis-1,2-Dichloroethene
Concen: 5.049 ug/l
RT: 3.76 min Scan# 328
Delta R.T. 0.12 min
Lab File: VF062388.D
Acq: 8 May 2019 20:20

Instrument :
MSVOA_F
ClientSampleId :
SB-01-1.0-1.5RE

Tot Ion: 96 Resp: 152
Ion Ratio Lower Upper
96 100
61 40.1 0.0 263.0
98 39.5 0.0 130.8



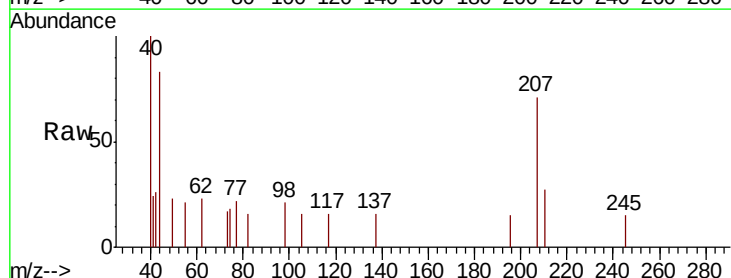
Abundance Ion 95.90 (95.60 to 96.60): VF0
Ion 60.90 (60.60 to 61.60): VF0
Ion 97.90 (97.60 to 98.60): VF0



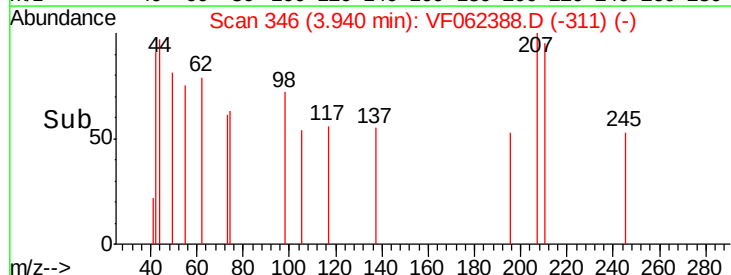
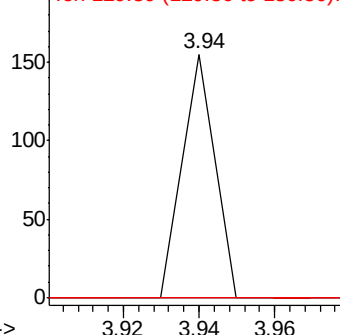
#28

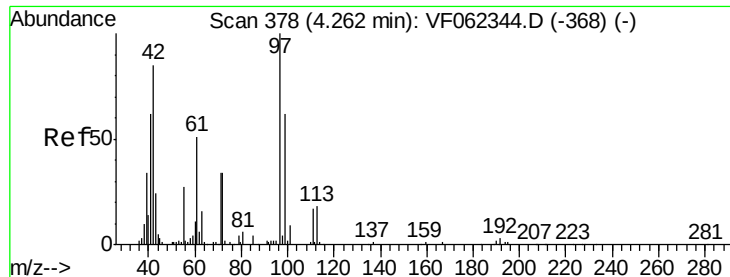
Bromochloromethane
Concen: 4.809 ug/l
RT: 3.94 min Scan# 346
Delta R.T. 0.04 min
Lab File: VF062388.D
Acq: 8 May 2019 20:20

Tgt Ion: 49 Resp: 92
Ion Ratio Lower Upper
49 100
129 0.0 0.0 2.2
130 0.0 79.4 119.0#



Abundance Ion 48.90 (48.60 to 49.60): VF0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 49.734 ug/l

RT: 4.24 min Scan# 376

Delta R.T. -0.03 min

Lab File: VF062388.D

Acq: 8 May 2019 20:20

Instrument :

MSVOA_F

ClientSampleId :

SB-01-1.0-1.5RE

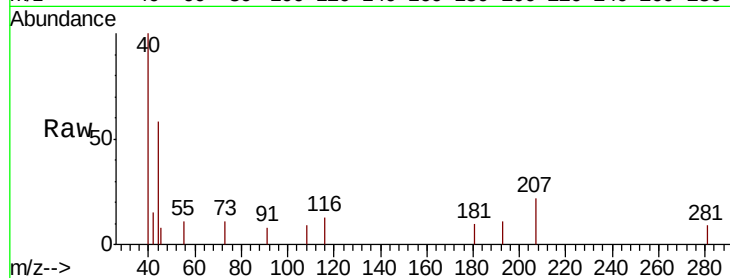
Tot Ion: 42 Resp: 181

Ion Ratio Lower Upper

42 100

72 0.0 31.4 47.0#

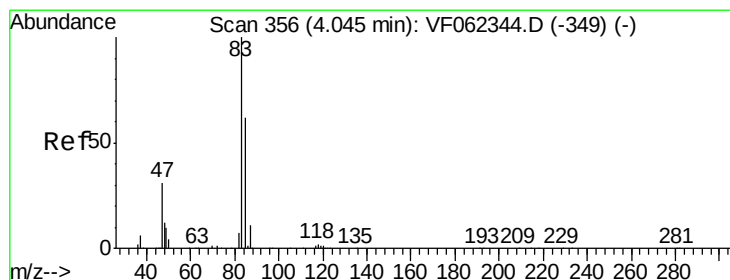
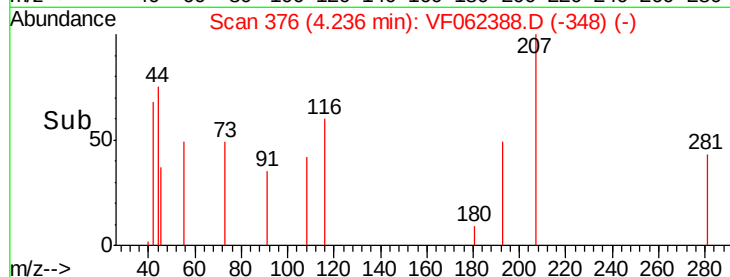
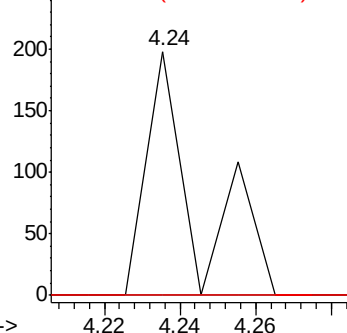
71 0.0 31.7 47.5#



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



#30

Chloroform

Concen: 1.053 ug/l

RT: 4.02 min Scan# 354

Delta R.T. -0.03 min

Lab File: VF062388.D

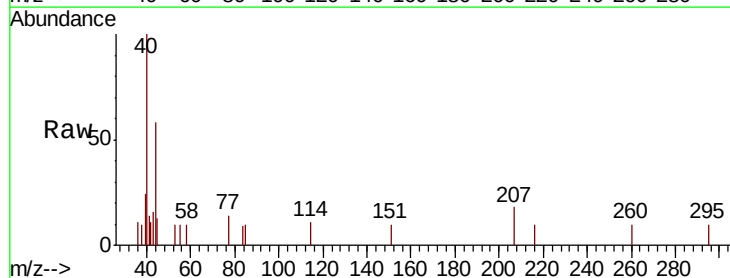
Acq: 8 May 2019 20:20

Tgt Ion: 83 Resp: 60

Ion Ratio Lower Upper

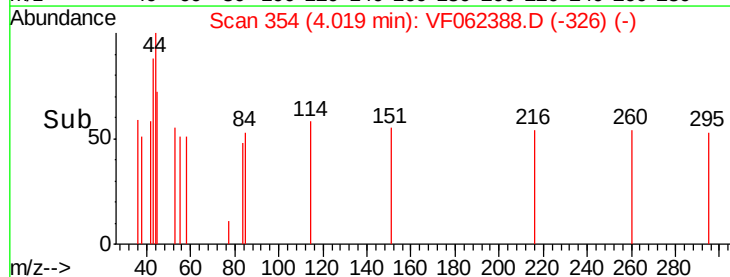
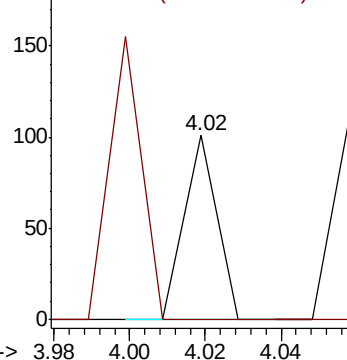
83 100

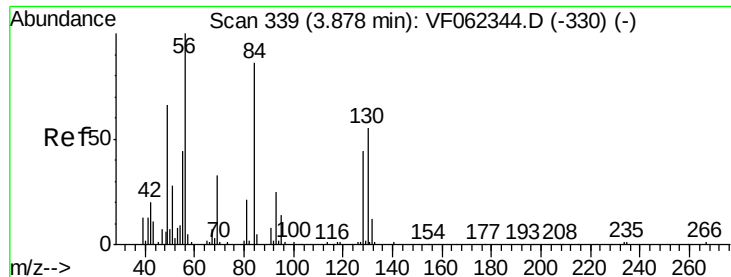
85 0.0 49.6 74.4#



Abundance Ion 82.90 (82.60 to 83.60): VF0

Ion 84.90 (84.60 to 85.60): VF0

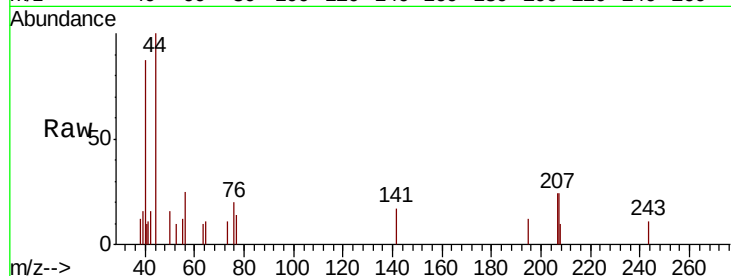




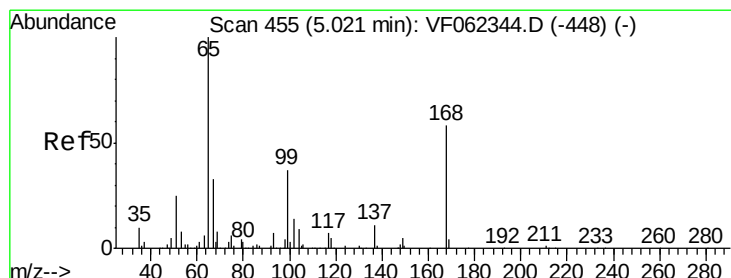
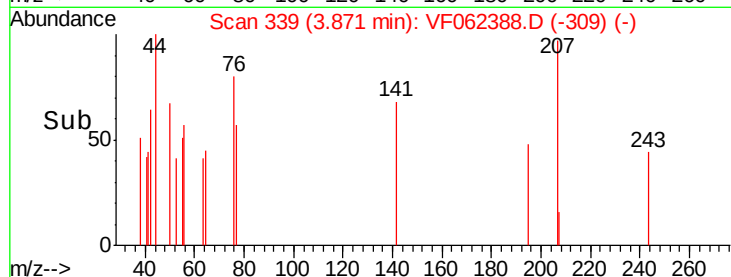
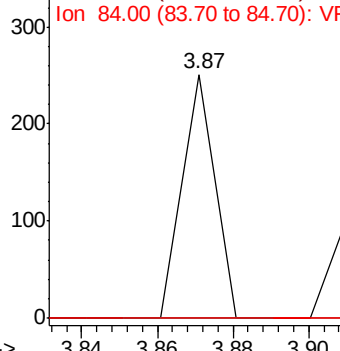
#31
Cyclohexane
Concen: 4.396 ug/l
RT: 3.87 min Scan# 339
Delta R.T. -0.01 min
Lab File: VF062388.D
Acq: 8 May 2019 20:20

Instrument :
MSVOA_F
ClientSampleId :
SB-01-1.0-1.5RE

Tot Ion: 56 Resp: 148
Ion Ratio Lower Upper
56 100
69 0.0 26.4 39.6#
84 0.0 69.0 103.6#

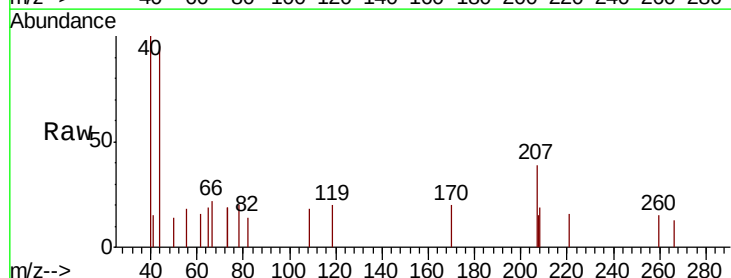


Abundance Ion 56.00 (55.70 to 56.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 84.00 (83.70 to 84.70): VF0

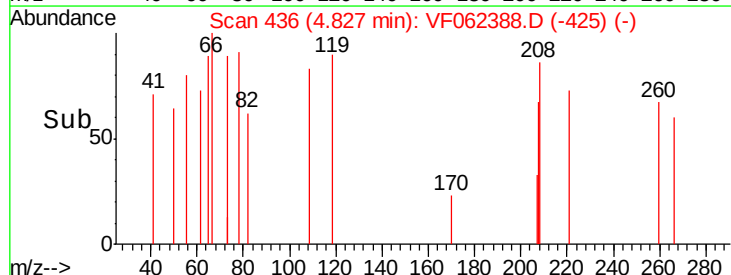
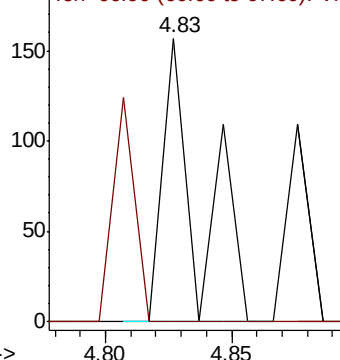


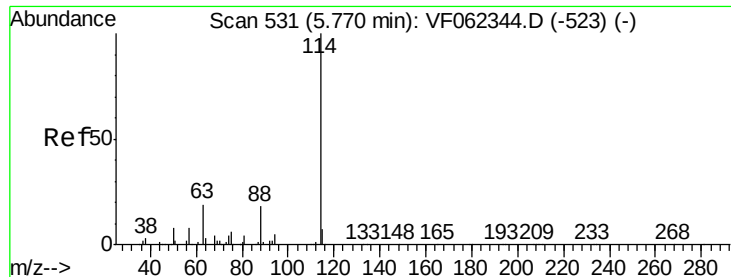
#33
1,2-Dichloroethane-d4
Concen: 5.039 ug/l
RT: 4.83 min Scan# 436
Delta R.T. -0.19 min
Lab File: VF062388.D
Acq: 8 May 2019 20:20

Tgt Ion: 65 Resp: 157
Ion Ratio Lower Upper
65 100
67 46.5 0.0 85.8



Abundance Ion 64.90 (64.60 to 65.60): VF0
Ion 66.90 (66.60 to 67.60): VF0

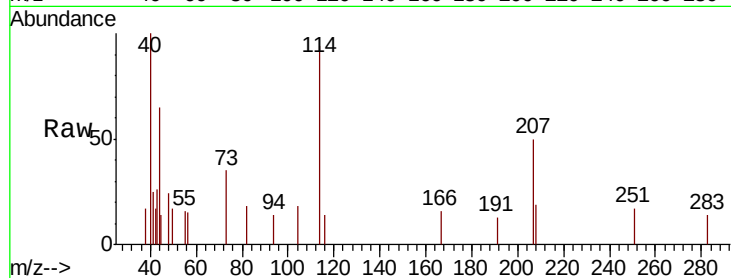




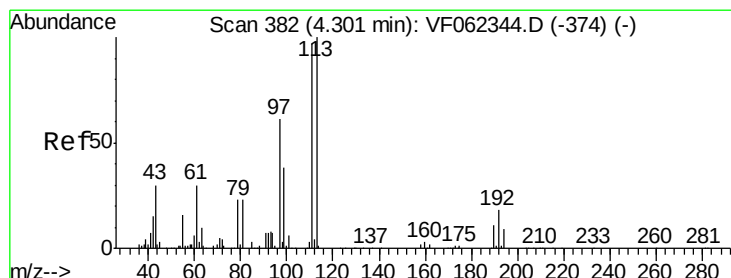
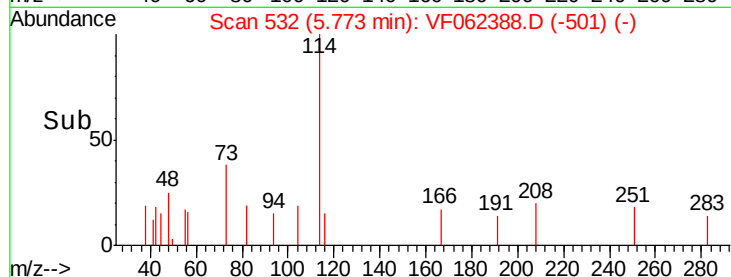
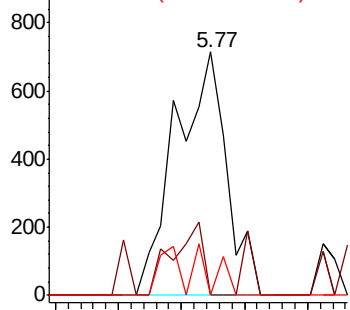
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.77 min Scan# 532
Delta R.T. 0.00 min
Lab File: VF062388.D
Acq: 8 May 2019 20:20

Instrument :
MSVOA_F
ClientSampleId :
SB-01-1.0-1.5RE

Tot Ion:114 Resp: 2010
Ion Ratio Lower Upper
114 100
63 0.0 0.0 37.4
88 0.0 0.0 36.4

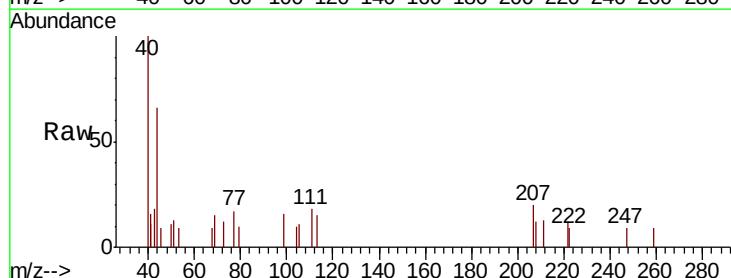


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VF0
Ion 87.90 (87.60 to 88.60): VF0

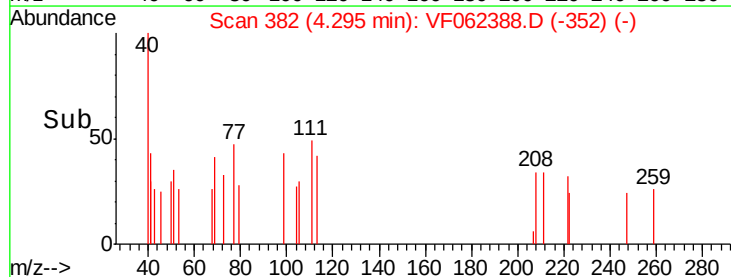
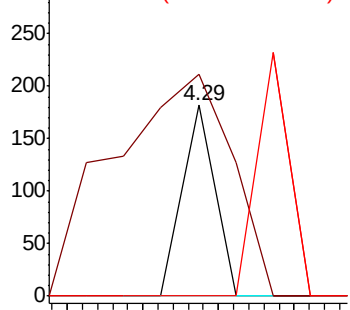


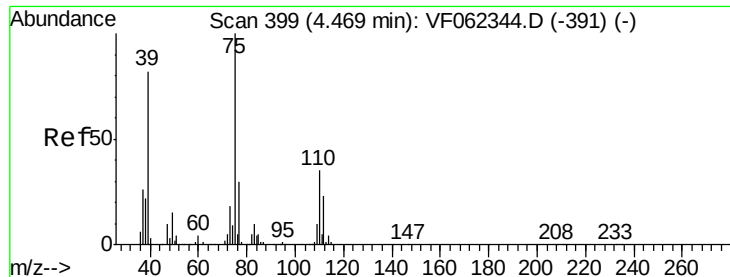
#35
Dibromofluoromethane
Concen: 6.744 ug/l
RT: 4.29 min Scan# 382
Delta R.T. -0.01 min
Lab File: VF062388.D
Acq: 8 May 2019 20:20

Tgt Ion:113 Resp: 108
Ion Ratio Lower Upper
113 100
111 426.9 79.4 119.0#
192 126.9 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: 4.228 ug/l

RT: 4.39 min Scan# 392

Delta R.T. -0.08 min

Lab File: VF062388.D

Acq: 8 May 2019 20:20

Instrument :

MSVOA_F

ClientSampleId :

SB-01-1.0-1.5RE

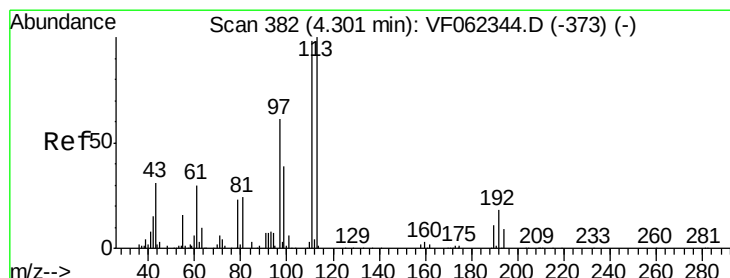
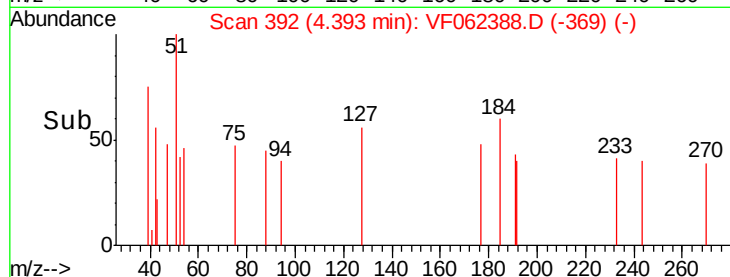
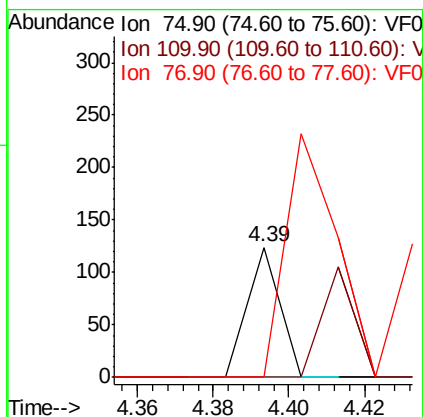
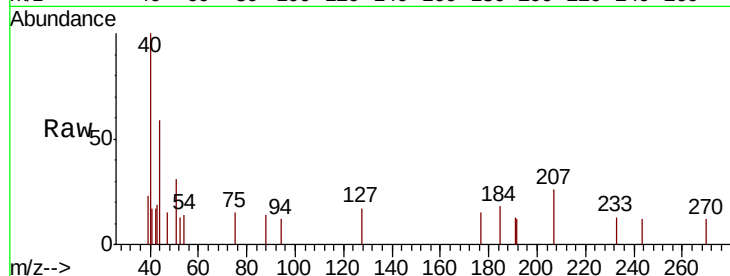
Tot Ion: 75 Resp: 73

Ion Ratio Lower Upper

75 100

110 84.9 17.2 51.5#

77 295.9 25.2 37.8#



#37

Ethyl Acetate

Concen: 5.581 ug/l

RT: 4.33 min Scan# 386

Delta R.T. 0.03 min

Lab File: VF062388.D

Acq: 8 May 2019 20:20

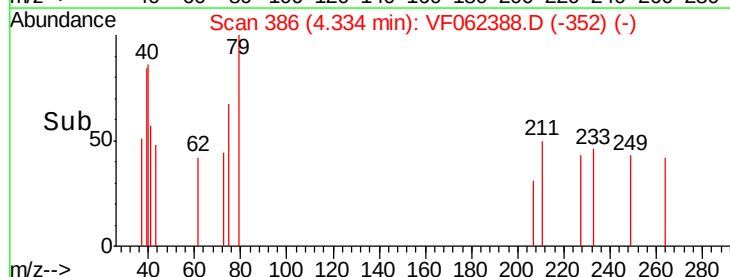
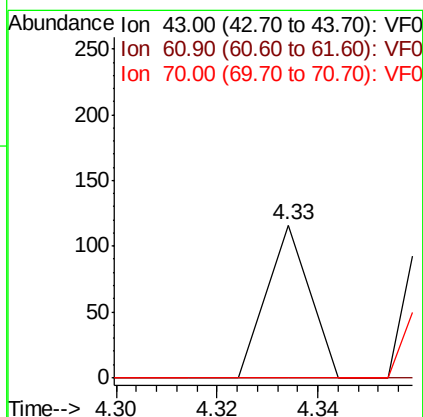
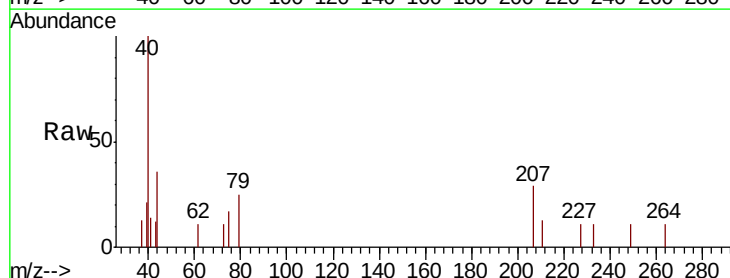
Tgt Ion: 43 Resp: 69

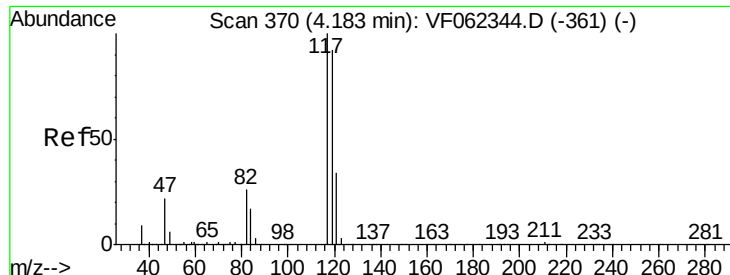
Ion Ratio Lower Upper

43 100

61 0.0 0.0 0.0

70 0.0 8.2 12.2#





#38

Carbon Tetrachloride

Concen: 2.378 ug/l

RT: 4.04 min Scan# 356

Delta R.T. -0.14 min

Lab File: VF062388.D

Acq: 8 May 2019 20:20

Instrument :

MSVOA_F

ClientSampleId :

SB-01-1.0-1.5RE

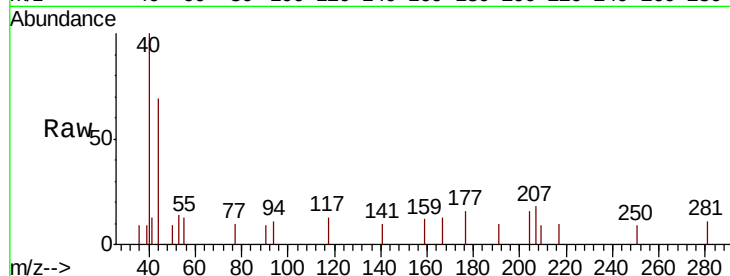
Tot Ion:117 Resp: 90

Ion Ratio Lower Upper

117 100

119 0.0 73.4 110.2#

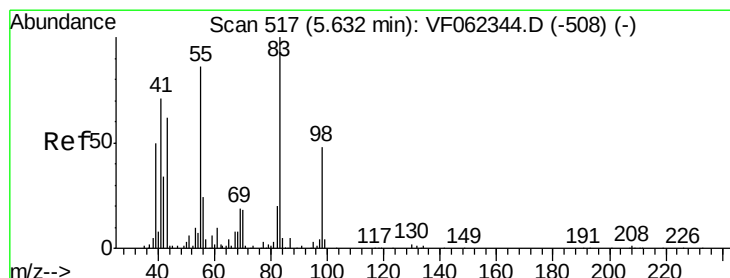
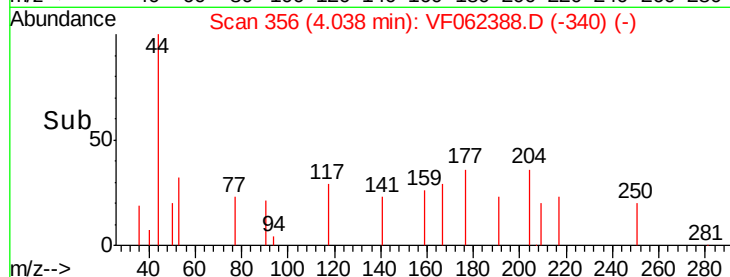
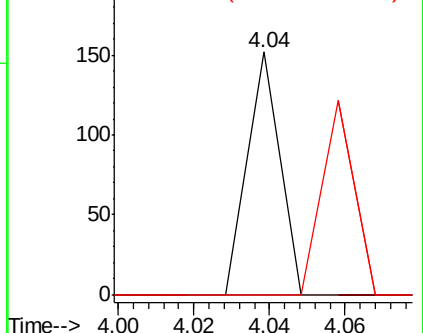
121 0.0 27.4 41.0#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#39

Methylcyclohexane

Concen: 4.389 ug/l

RT: 5.85 min Scan# 540

Delta R.T. 0.22 min

Lab File: VF062388.D

Acq: 8 May 2019 20:20

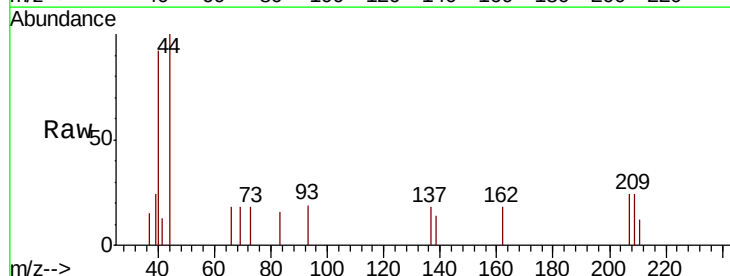
Tgt Ion: 83 Resp: 76

Ion Ratio Lower Upper

83 100

55 0.0 69.0 103.6#

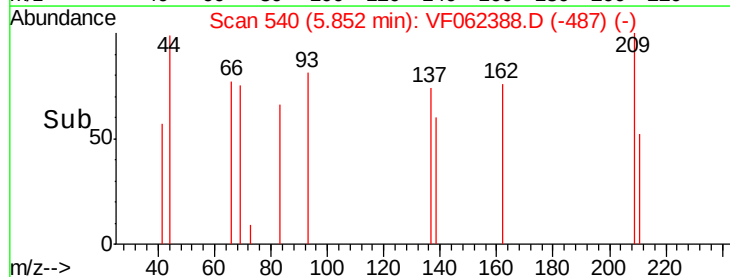
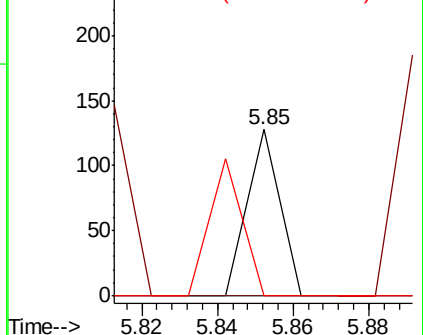
98 0.0 38.6 58.0#

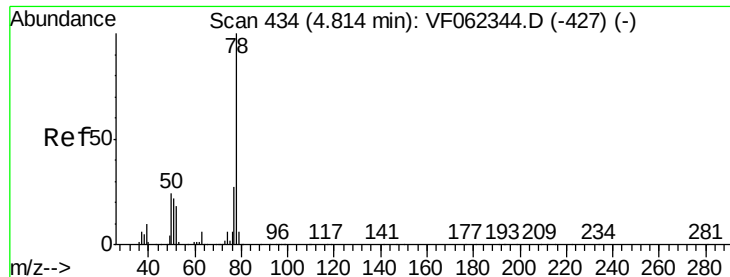


Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#40

Benzene

Concen: 6.917 ug/l

RT: 4.83 min Scan# 436

Delta R.T. 0.01 min

Lab File: VF062388.D

Acq: 8 May 2019 20:20

Instrument :

MSVOA_F

ClientSampleId :

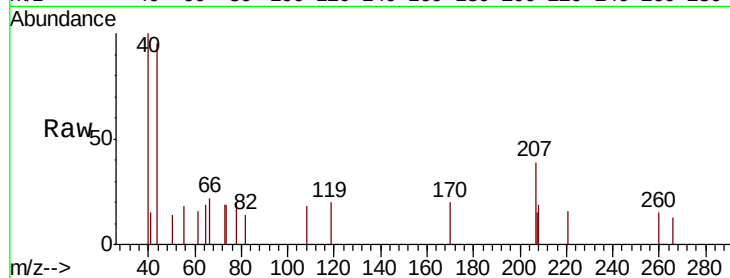
SB-01-1.0-1.5RE

Tot Ion: 78 Resp: 263

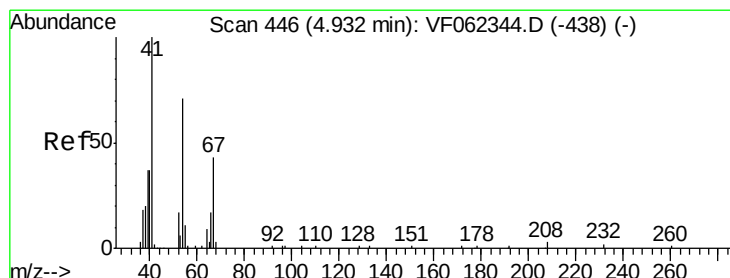
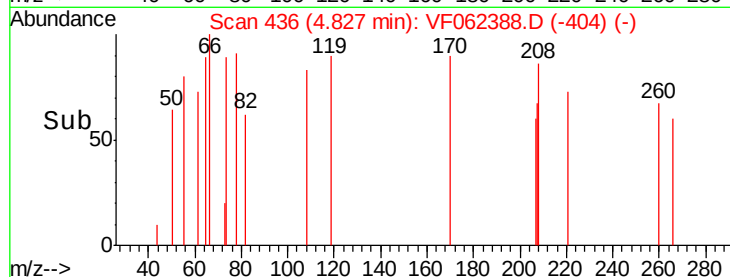
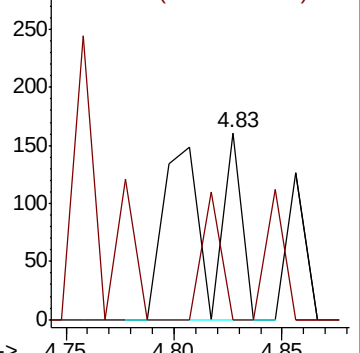
Ion Ratio Lower Upper

78 100

77 0.0 21.6 32.4#



Abundance Ion 78.00 (77.70 to 78.70): VF0



#41

Methacrylonitrile

Concen: 123.907 ug/l

RT: 4.95 min Scan# 448

Delta R.T. 0.01 min

Lab File: VF062388.D

Acq: 8 May 2019 20:20

Tgt Ion: 41 Resp: 513

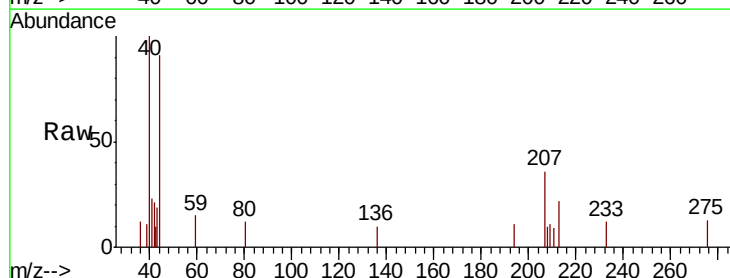
Ion Ratio Lower Upper

41 100

39 126.3 54.3 81.5#

67 0.0 37.8 56.8#

52 0.0 58.2 87.4#

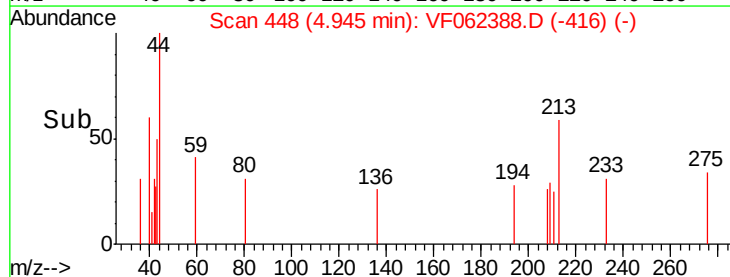
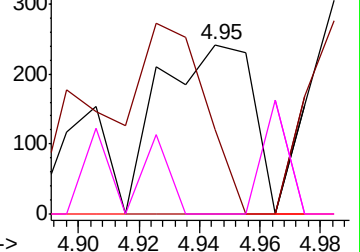


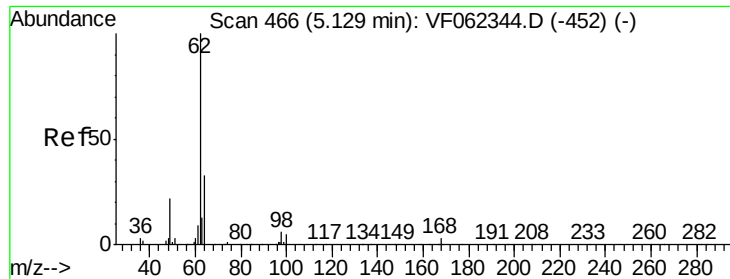
Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

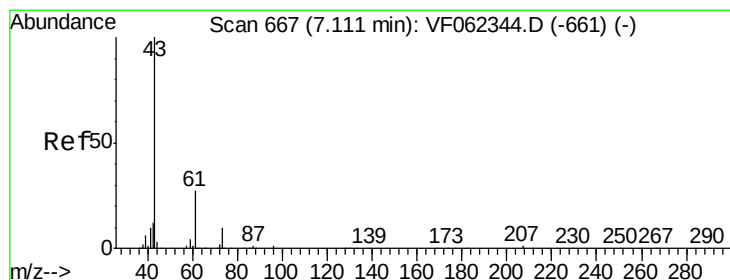
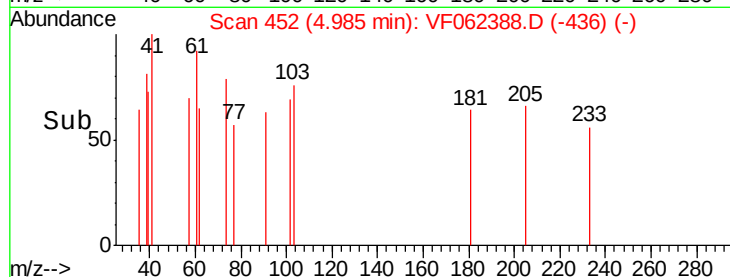
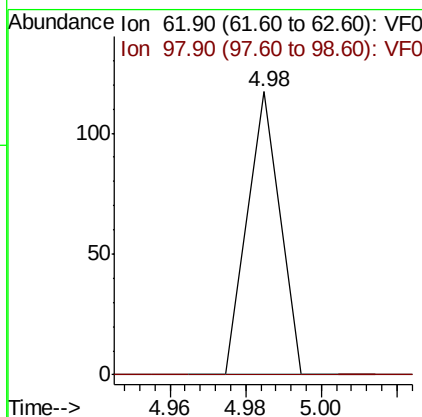
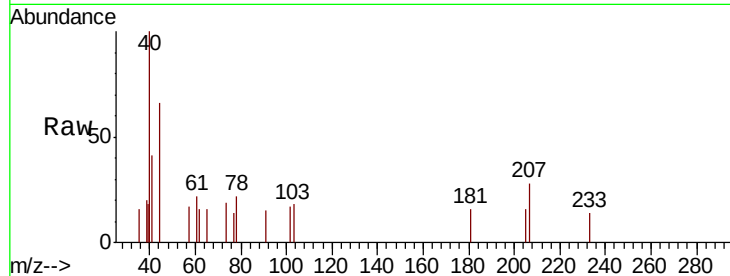




#42
 1,2-Dichloroethane
 Concen: 4.339 ug/l
 RT: 4.98 min Scan# 452
 Delta R.T. -0.14 min
 Lab File: VF062388.D
 Acq: 8 May 2019 20:20

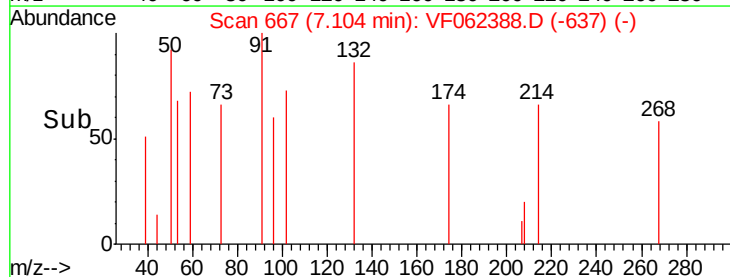
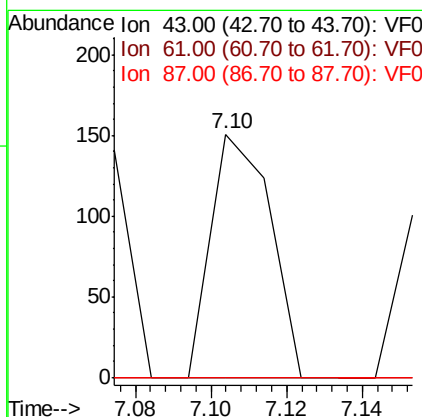
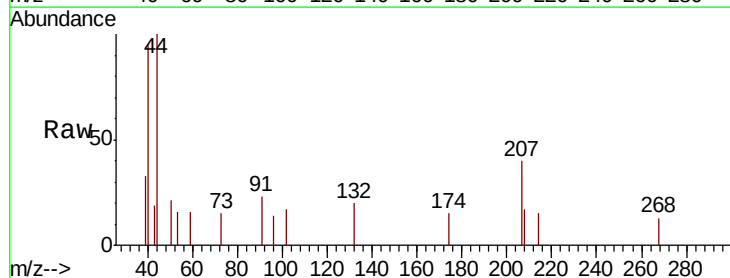
Instrument :
 MSVOA_F
 ClientSampleId :
 SB-01-1.0-1.5RE

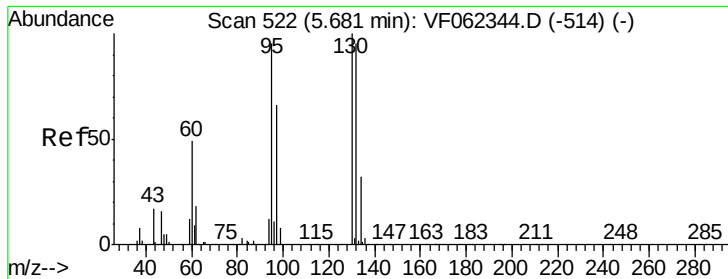
Tot Ion: 62 Resp: 69
 Ion Ratio Lower Upper
 62 100
 98 0.0 0.0 12.4



#43
 Isopropyl Acetate
 Concen: 20.754 ug/l
 RT: 7.10 min Scan# 667
 Delta R.T. -0.01 min
 Lab File: VF062388.D
 Acq: 8 May 2019 20:20

Tgt Ion: 43 Resp: 163
 Ion Ratio Lower Upper
 43 100
 61 0.0 22.8 34.2#
 87 0.0 0.6 1.0#





#44

Trichloroethene

Concen: 4.654 ug/l

RT: 5.82 min Scan# 537

Delta R.T. 0.14 min

Lab File: VF062388.D

Acq: 8 May 2019 20:20

Instrument :

MSVOA_F

ClientSampleId :

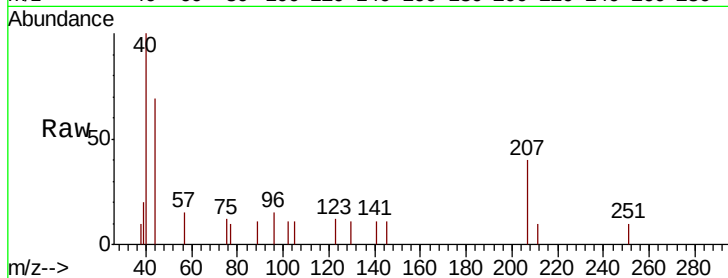
SB-01-1.0-1.5RE

Tot Ion:130 Resp: 65

Ion Ratio Lower Upper

130 100

95 0.0 0.0 189.0



Abundance Ion 129.80 (129.50 to 130.50): VF0

Ion 94.90 (94.60 to 95.60): VF0

5.82

100

80

60

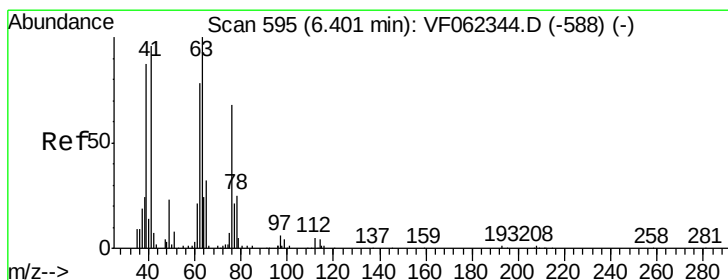
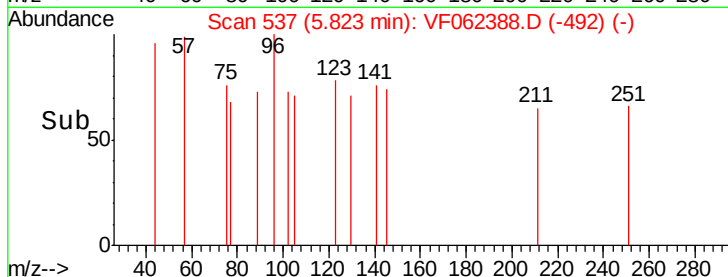
40

20

0

5.80 5.82 5.84

Time-->



#45

1,2-Dichloropropane

Concen: 10.915 ug/l

RT: 6.27 min Scan# 582

Delta R.T. -0.13 min

Lab File: VF062388.D

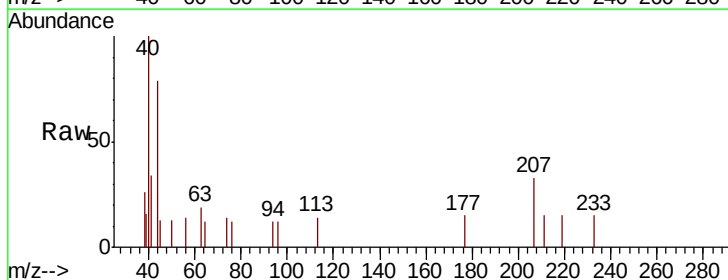
Acq: 8 May 2019 20:20

Tgt Ion: 63 Resp: 94

Ion Ratio Lower Upper

63 100

65 0.0 25.6 38.4#



Abundance Ion 62.90 (62.60 to 63.60): VF0

Ion 64.90 (64.60 to 65.60): VF0

6.27

150

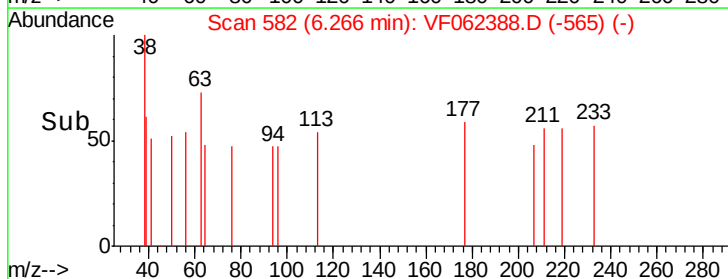
100

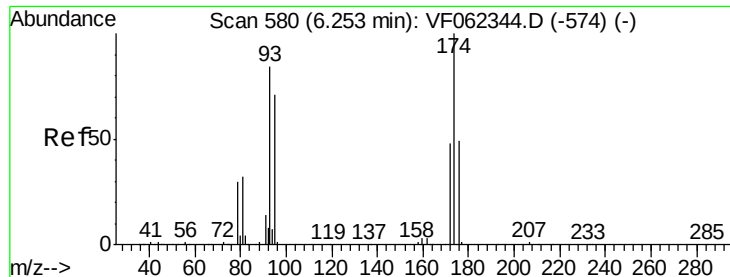
50

0

6.24 6.26 6.28 6.30

Time-->





#46

Dibromomethane

Concen: 8.683 ug/l

RT: 6.35 min Scan# 591

Delta R.T. 0.10 min

Lab File: VF062388.D

Acq: 8 May 2019 20:20

Instrument :

MSVOA_F

ClientSampleId :

SB-01-1.0-1.5RE

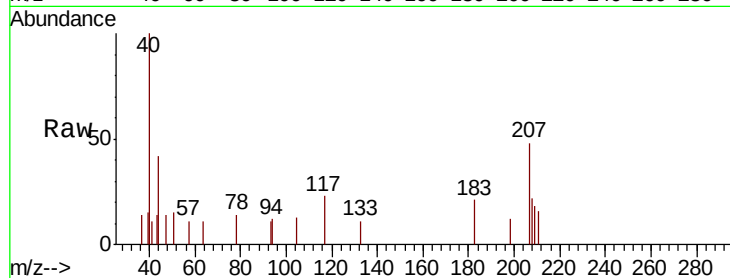
Tot Ion: 93 Resp: 62

Ion Ratio Lower Upper

93 100

95 0.0 68.4 102.6#

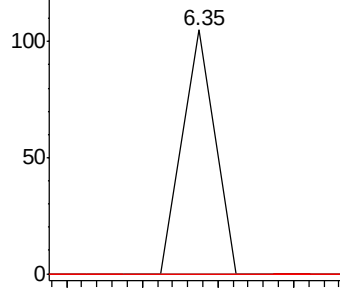
174 0.0 99.6 149.4#



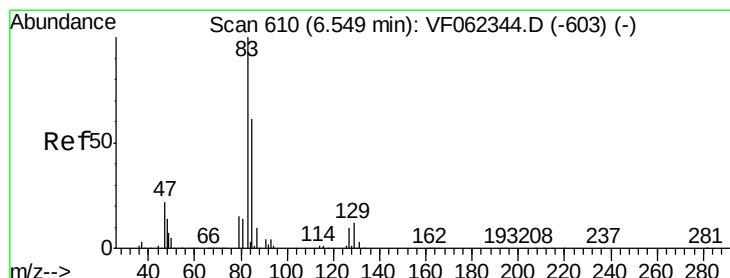
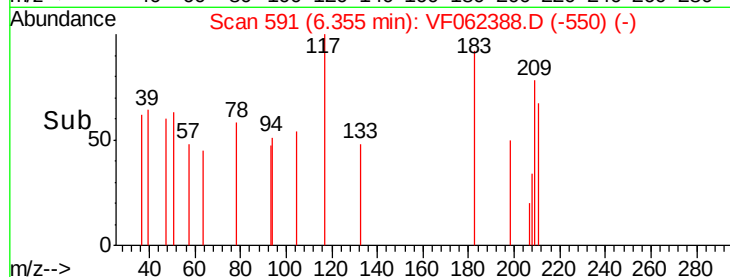
Abundance Ion 92.80 (92.50 to 93.50): VF0

Ion 94.80 (94.50 to 95.50): VF0

Ion 173.70 (173.40 to 174.40): V



Time-->



#47

Bromodichloromethane

Concen: 3.921 ug/l

RT: 6.51 min Scan# 607

Delta R.T. -0.04 min

Lab File: VF062388.D

Acq: 8 May 2019 20:20

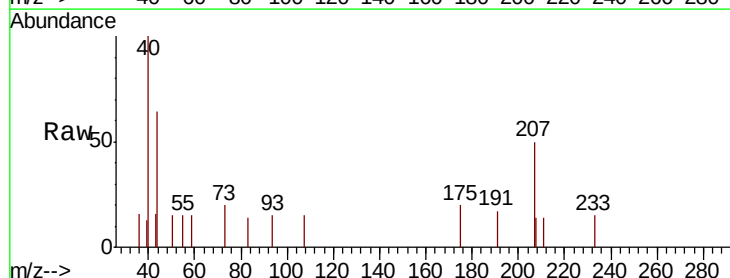
Tgt Ion: 83 Resp: 70

Ion Ratio Lower Upper

83 100

85 0.0 49.1 73.7#

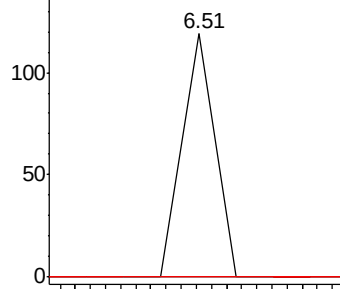
127 0.0 7.8 11.8#



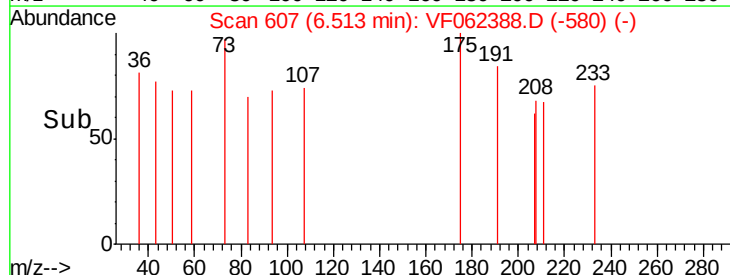
Abundance Ion 82.90 (82.60 to 83.60): VF0

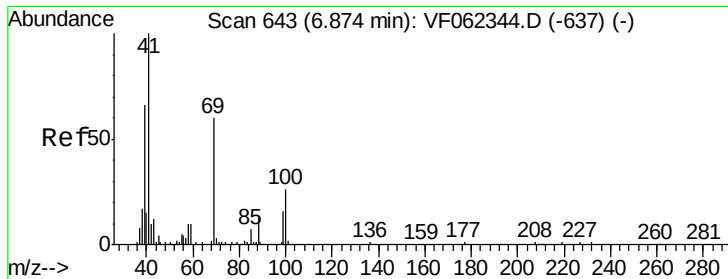
Ion 84.90 (84.60 to 85.60): VF0

Ion 126.80 (126.50 to 127.50): V



Time-->

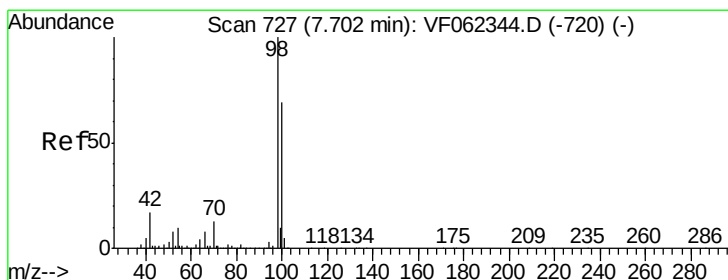
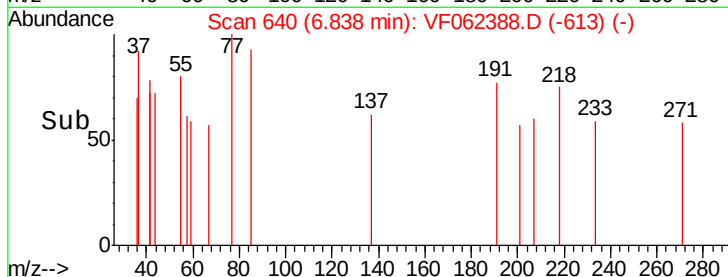
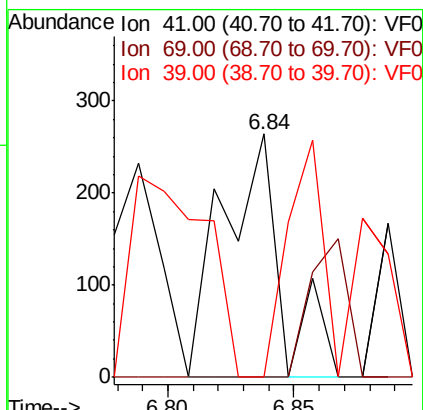
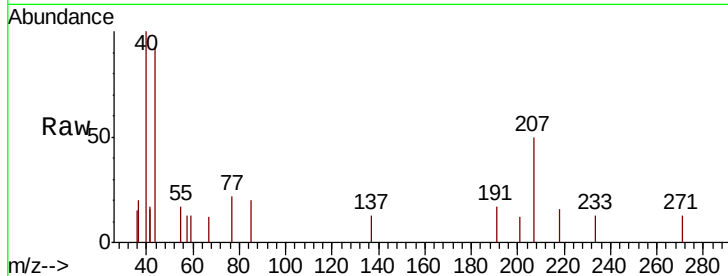




#48
Methvl methacrylate
Concen: 77.115 ug/l
RT: 6.84 min Scan# 640
Delta R.T. -0.04 min
Lab File: VF062388.D
Acq: 8 May 2019 20:20

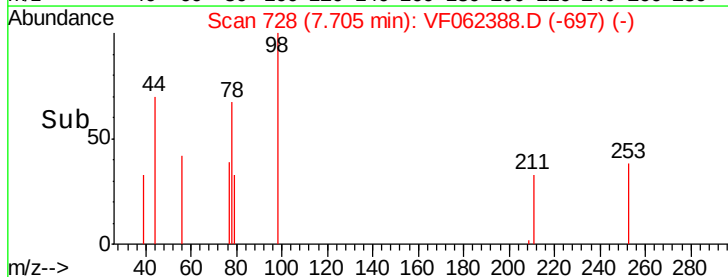
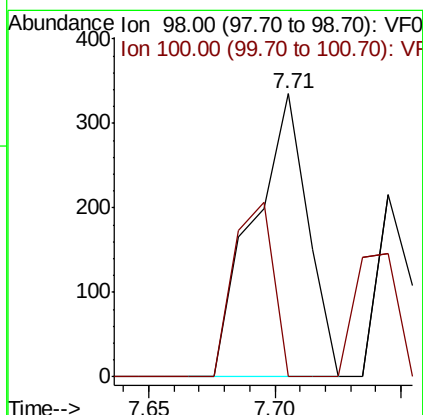
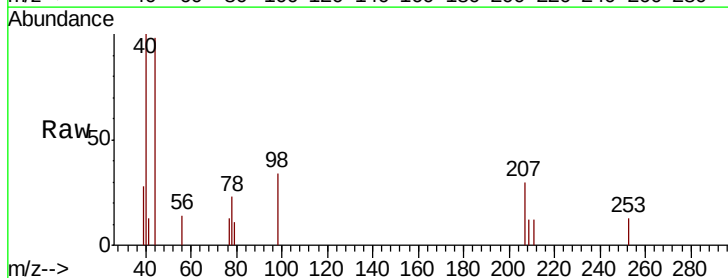
Instrument :
MSVOA_F
ClientSampleId :
SB-01-1.0-1.5RE

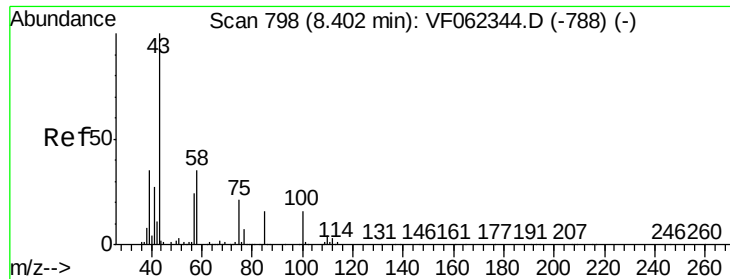
Tot Ion: 41 Resp: 428
Ion Ratio Lower Upper
41 100
69 0.0 48.6 72.8#
39 0.0 56.1 84.1#



#50
Toluene-d8
Concen: 12.976 ug/l
RT: 7.71 min Scan# 728
Delta R.T. 0.00 min
Lab File: VF062388.D
Acq: 8 May 2019 20:20

Tgt Ion: 98 Resp: 503
Ion Ratio Lower Upper
98 100
100 44.7 53.3 79.9#





#51

4-Methyl-2-Pentanone

Concen: 14.787 ug/l

RT: 8.41 min Scan# 800

Delta R.T. 0.01 min

Lab File: VF062388.D

Acq: 8 May 2019 20:20

Instrument :

MSVOA_F

ClientSampleId :

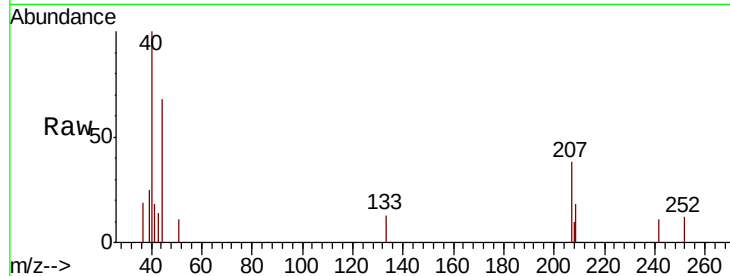
SB-01-1.0-1.5RE

Tot Ion: 43 Resp: 88

Ion Ratio Lower Upper

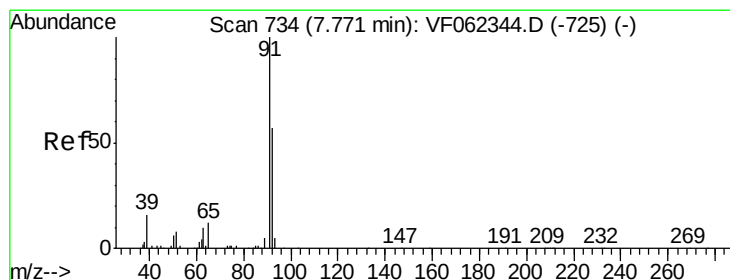
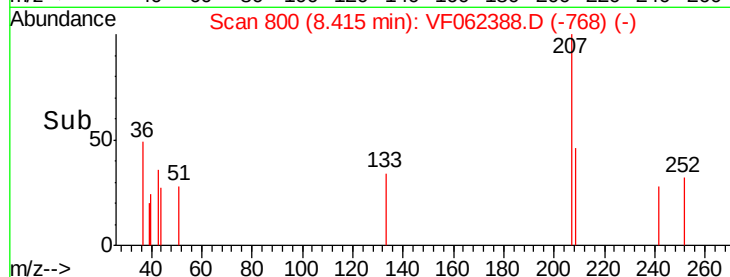
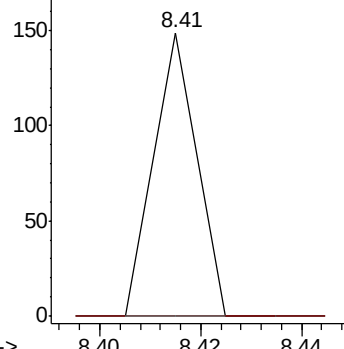
43 100

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



#52

Toluene

Concen: 4.178 ug/l

RT: 7.79 min Scan# 737

Delta R.T. 0.02 min

Lab File: VF062388.D

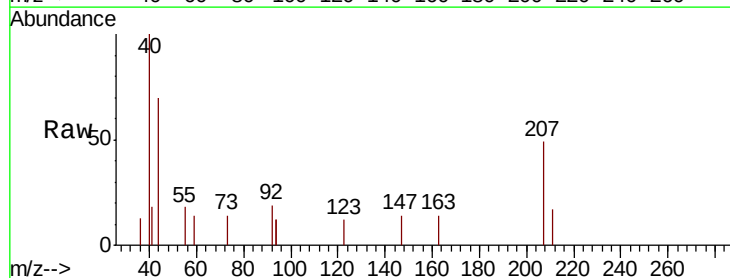
Acq: 8 May 2019 20:20

Tgt Ion: 92 Resp: 98

Ion Ratio Lower Upper

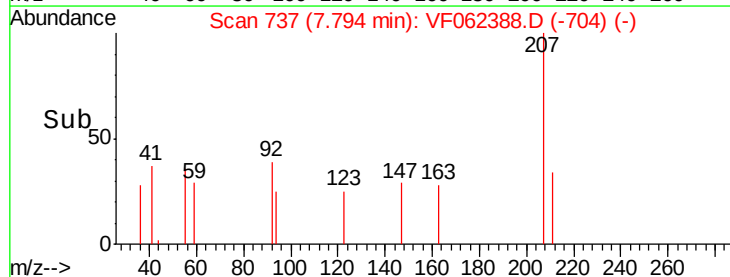
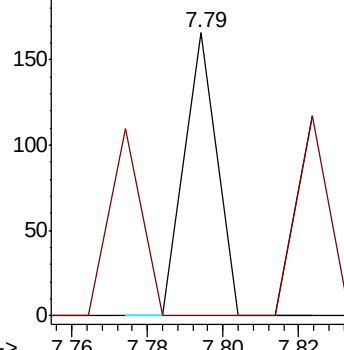
92 100

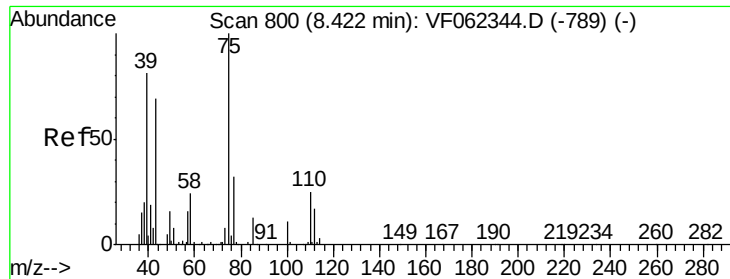
91 66.3 138.7 208.1#



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 7.702 ug/l

RT: 8.49 min Scan# 808

Delta R.T. 0.07 min

Lab File: VF062388.D

Acq: 8 May 2019 20:20

Instrument :

MSVOA_F

ClientSampleId :

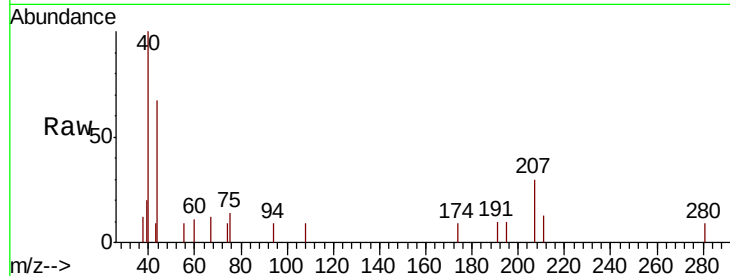
SB-01-1.0-1.5RE

Tot Ion: 75 Resp: 104

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

8.49

150

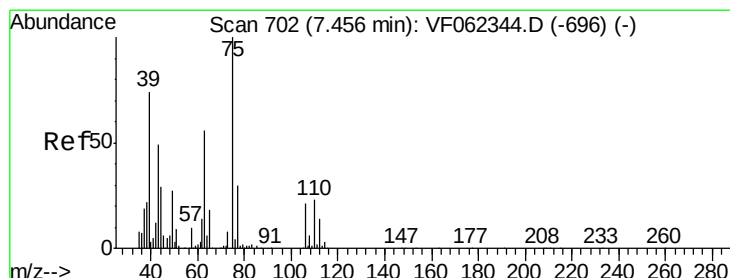
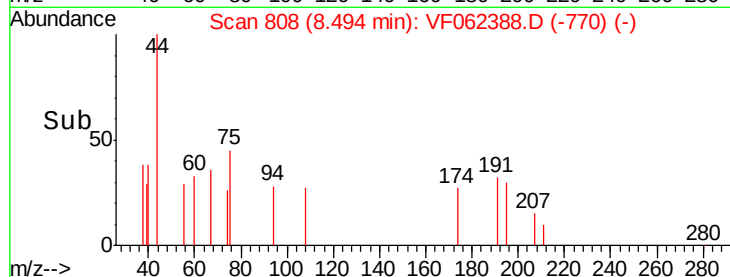
100

50

0

8.46 8.48 8.50 8.52

Time-->



#54

cis-1,3-Dichloropropene

Concen: 3.945 ug/l

RT: 7.46 min Scan# 703

Delta R.T. 0.00 min

Lab File: VF062388.D

Acq: 8 May 2019 20:20

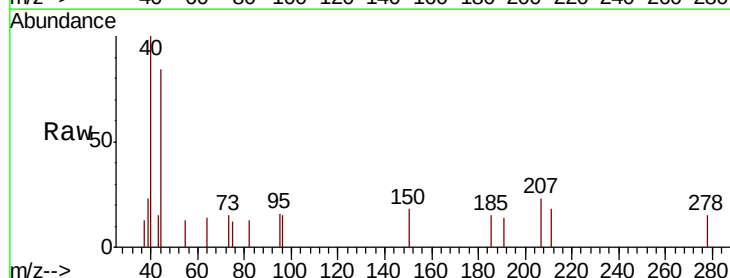
Tgt Ion: 75 Resp: 62

Ion Ratio Lower Upper

75 100

77 0.0 24.0 36.0#

39 85.7 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

300

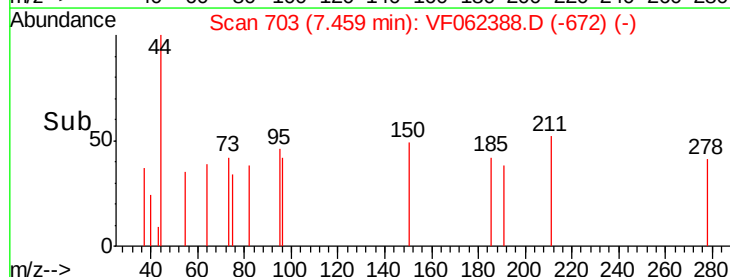
200

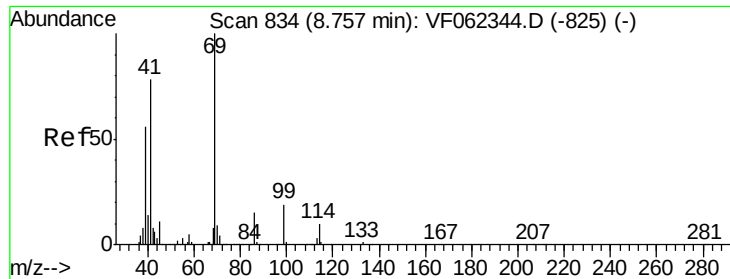
100

0

7.42 7.44 7.46 7.48

Time-->

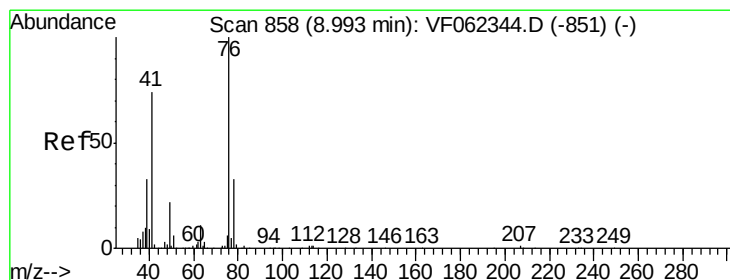
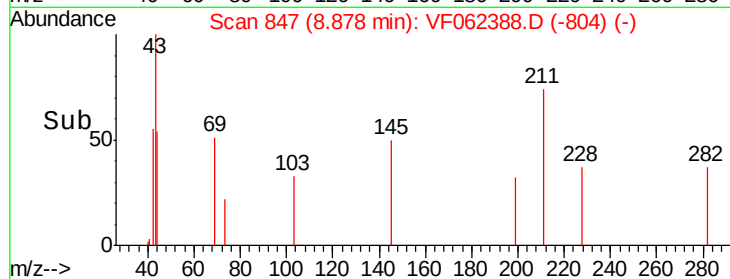
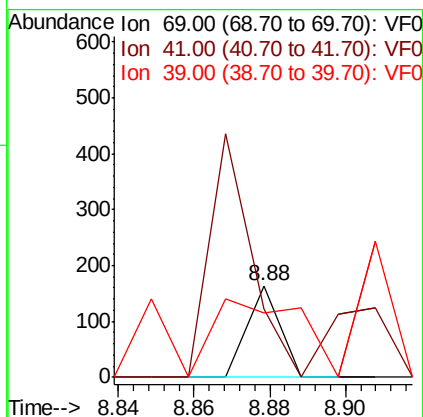
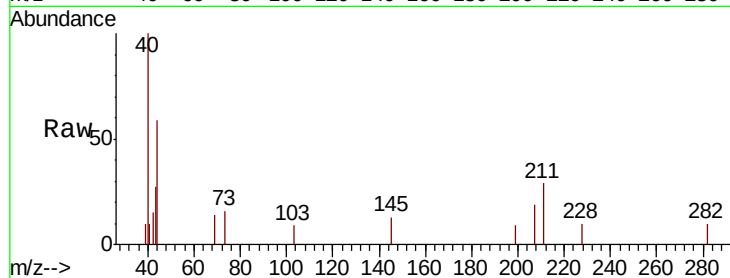




#56
Ethyl methacrylate
Concen: 12.341 ug/l
RT: 8.88 min Scan# 847
Delta R.T. 0.12 min
Lab File: VF062388.D
Acq: 8 May 2019 20:20

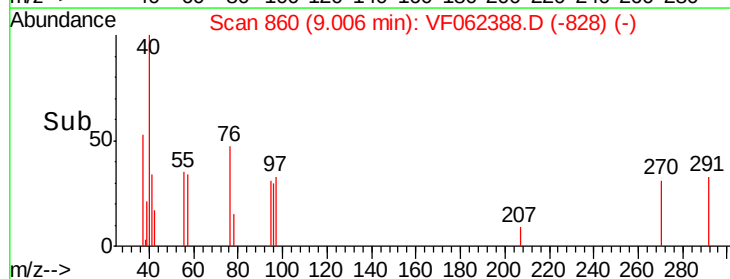
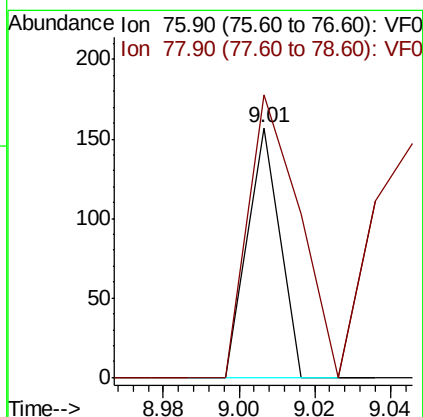
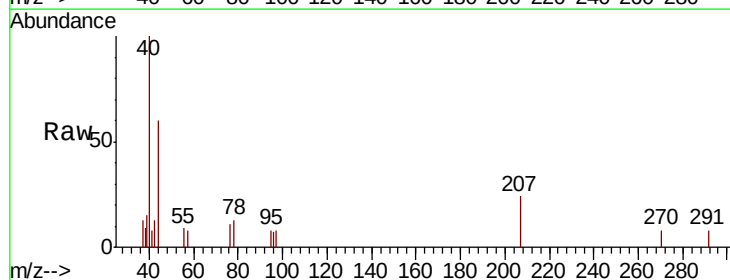
Instrument :
MSVOA_F
ClientSampleId :
SB-01-1.0-1.5RE

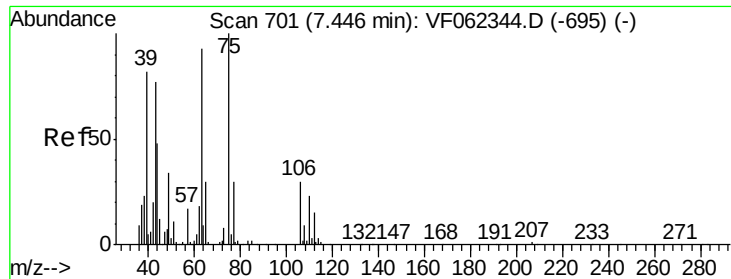
Tot Ion	Ratio	Lower	Upper
69	100		
41	340.2	66.3	99.5#
39	0.0	50.1	75.1#



#57
1,3-Dichloropropane
Concen: 8.268 ug/l
RT: 9.01 min Scan# 860
Delta R.T. 0.01 min
Lab File: VF062388.D
Acq: 8 May 2019 20:20

Tgt Ion	Ratio	Lower	Upper
76	100		
78	178.5	26.4	39.6#





#58

2-Chloroethyl Vinyl ether

Concen: 35.123 ug/l

RT: 7.50 min Scan# 707

Delta R.T. 0.05 min

Lab File: VF062388.D

Acq: 8 May 2019 20:20

Instrument :

MSVOA_F

ClientSampleId :

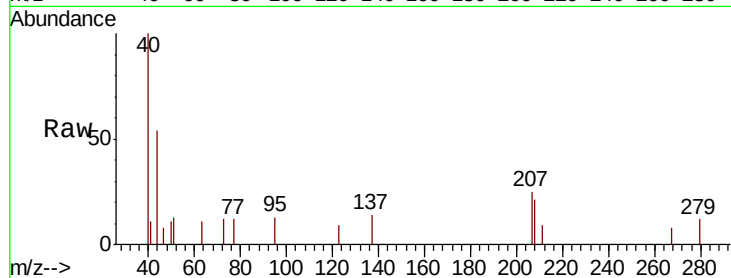
SB-01-1.0-1.5RE

Tot Ion: 63 Resp: 83

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

7.50

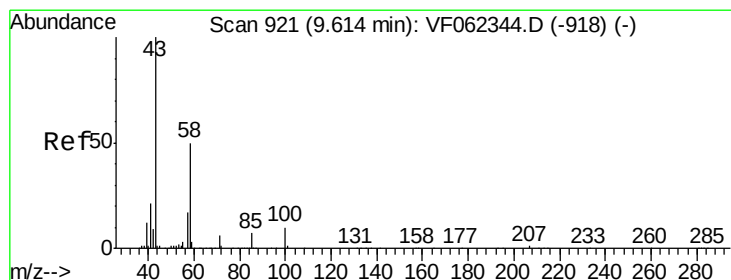
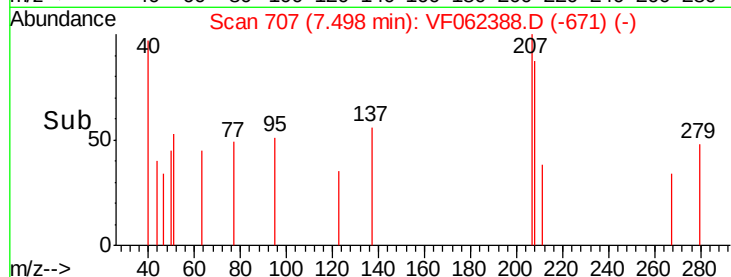
150

100

50

0

Time-->



#59

2-Hexanone

Concen: 73.376 ug/l

RT: 9.62 min Scan# 922

Delta R.T. 0.00 min

Lab File: VF062388.D

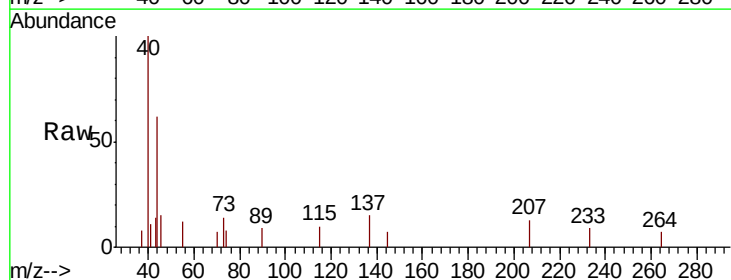
Acq: 8 May 2019 20:20

Tgt Ion: 43 Resp: 302

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

400

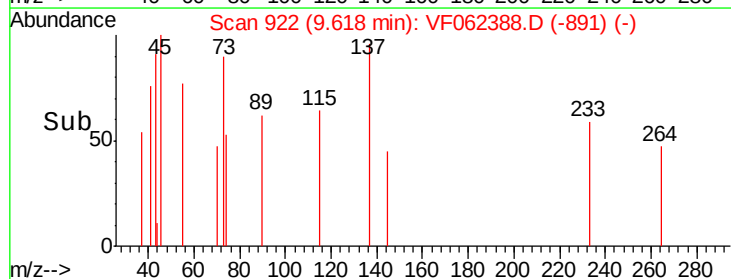
300

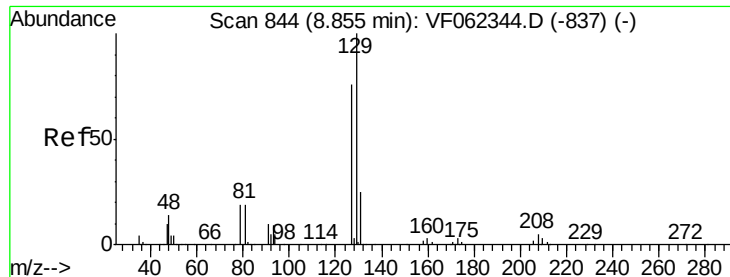
200

100

0

Time-->





#60

Dibromochloromethane

Concen: 6.158 ug/l

RT: 8.89 min Scan# 848

Delta R.T. 0.03 min

Lab File: VF062388.D

Acq: 8 May 2019 20:20

Instrument :

MSVOA_F

ClientSampleId :

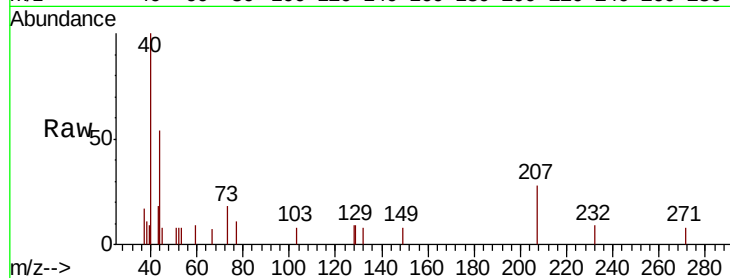
SB-01-1.0-1.5RE

Tot Ion:129 Resp: 75

Ion Ratio Lower Upper

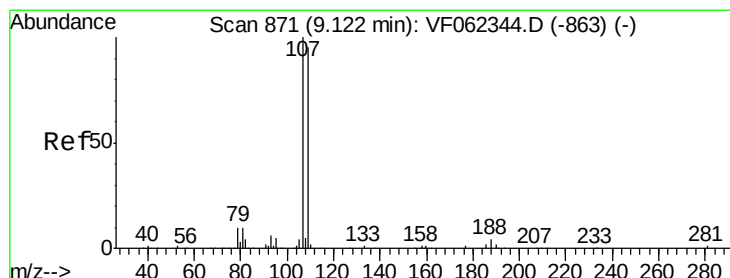
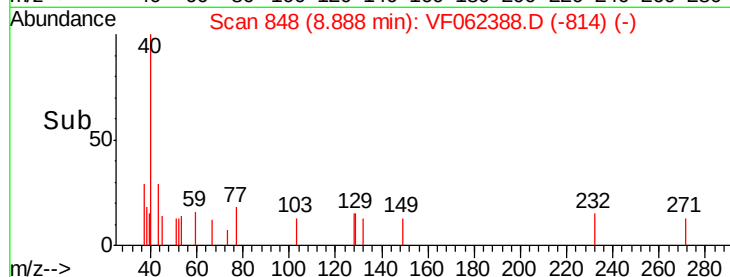
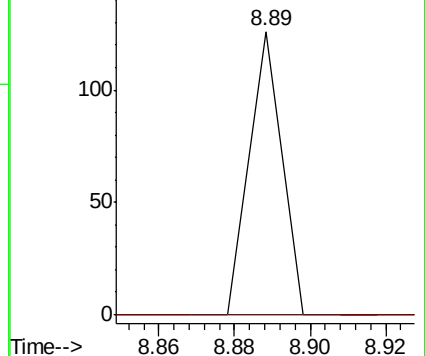
129 100

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: 15.997 ug/l

RT: 8.92 min Scan# 851

Delta R.T. -0.20 min

Lab File: VF062388.D

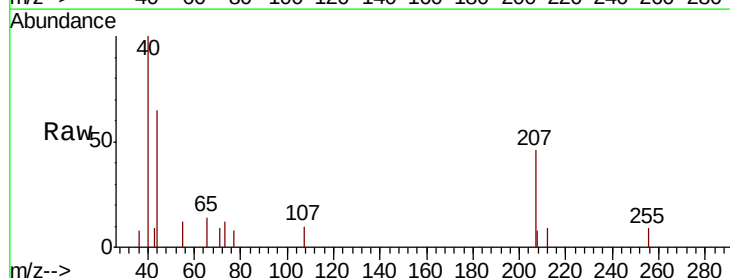
Acq: 8 May 2019 20:20

Tgt Ion:107 Resp: 140

Ion Ratio Lower Upper

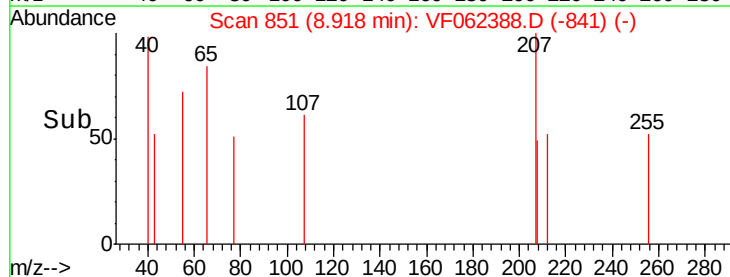
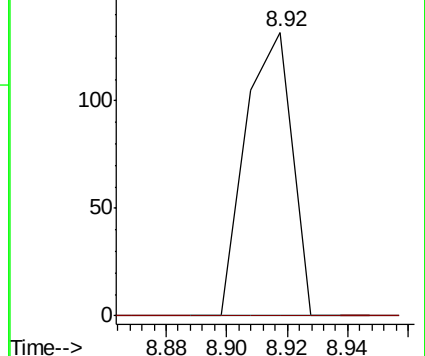
107 100

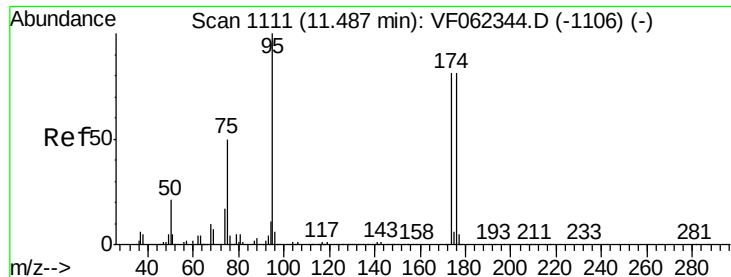
109 0.0 75.2 112.8#



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





#62

4-Bromofluorobenzene

Concen: 3.602 ug/l

RT: 11.72 min Scan# 1135

Delta R.T. 0.23 min

Lab File: VF062388.D

Acq: 8 May 2019 20:20

Instrument :

MSVOA_F

ClientSampleId :

SB-01-1.0-1.5RE

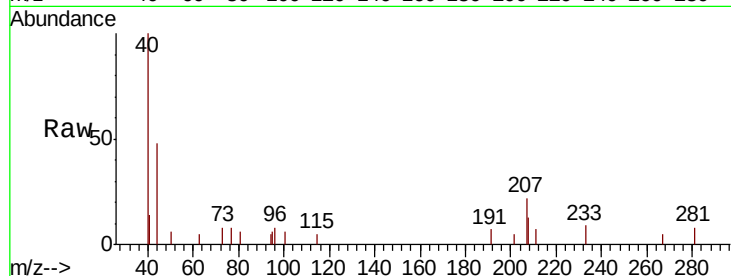
Tot Ion: 95 Resp: 63

Ion Ratio Lower Upper

95 100

174 147.6 0.0 191.8

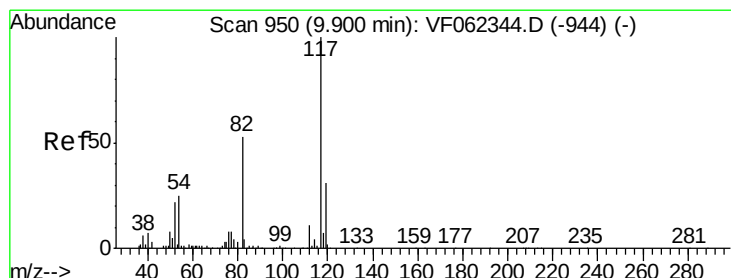
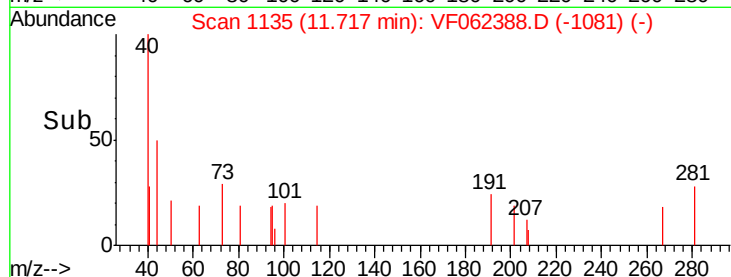
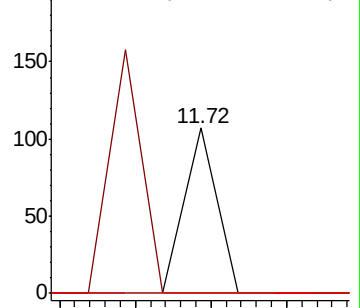
176 0.0 0.0 193.2



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: 9.90 min Scan# 951

Delta R.T. 0.00 min

Lab File: VF062388.D

Acq: 8 May 2019 20:20

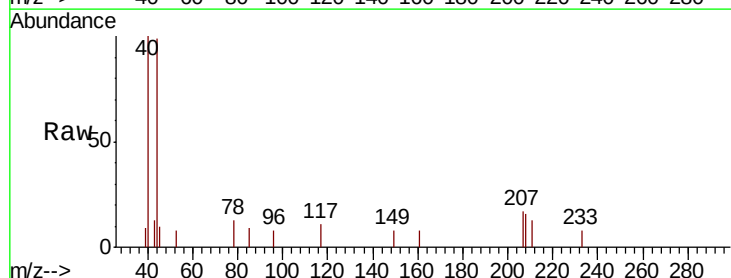
Tgt Ion: 117 Resp: 170

Ion Ratio Lower Upper

117 100

82 0.0 42.2 63.2#

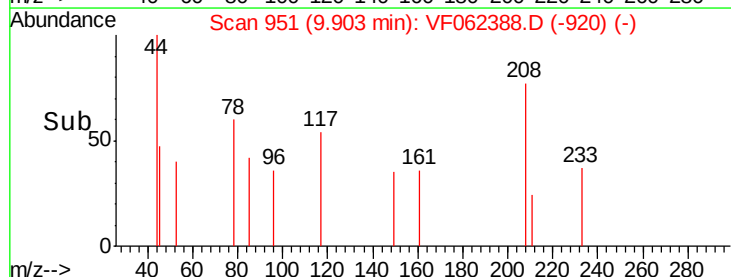
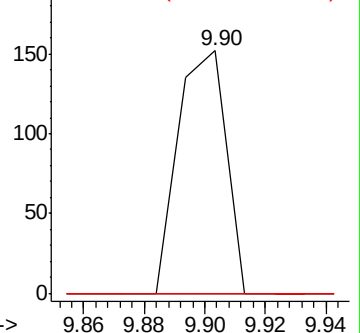
119 0.0 25.0 37.4#

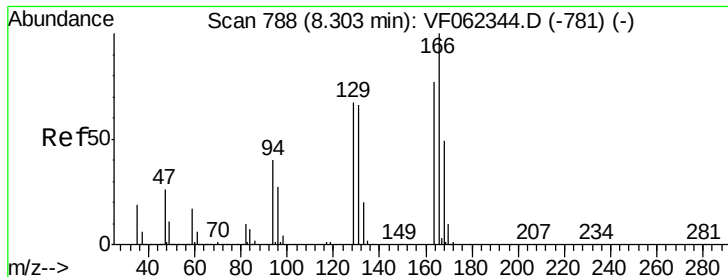


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 118.90 (118.60 to 119.60): V





#64

Tetrachloroethene

Concen: 55.793 ug/l

RT: 8.32 min Scan# 790

Delta R.T. 0.01 min

Lab File: VF062388.D

Acq: 8 May 2019 20:20

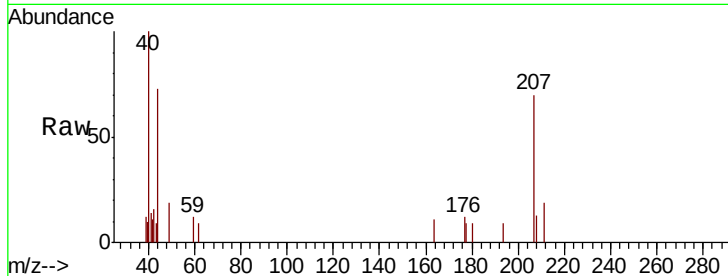
Instrument :

MSVOA_F

ClientSampleId :

SB-01-1.0-1.5RE

Tot Ion:164	Resp:	77
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#

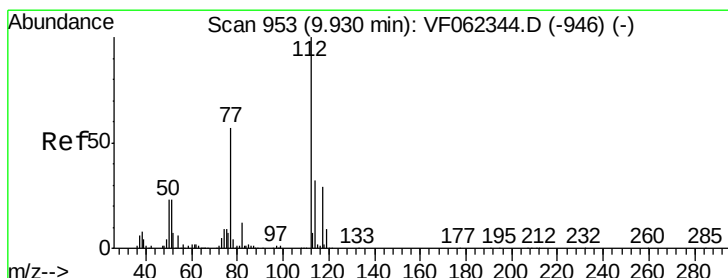
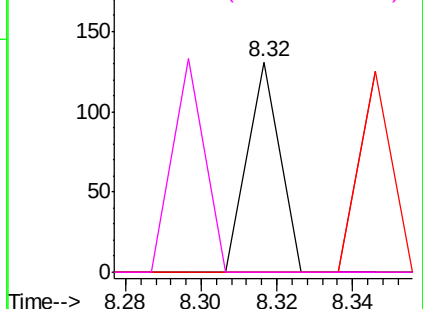
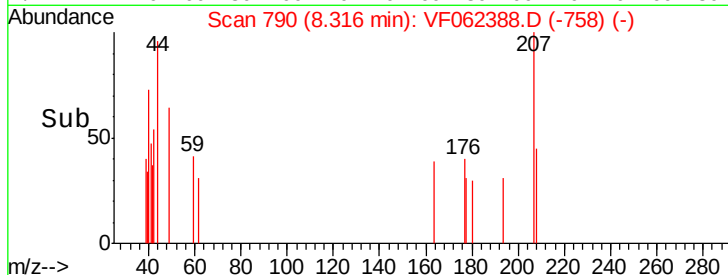


Abundance Ion 163.80 (163.50 to 164.50): V

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



#65

Chlorobenzene

Concen: 28.797 ug/l

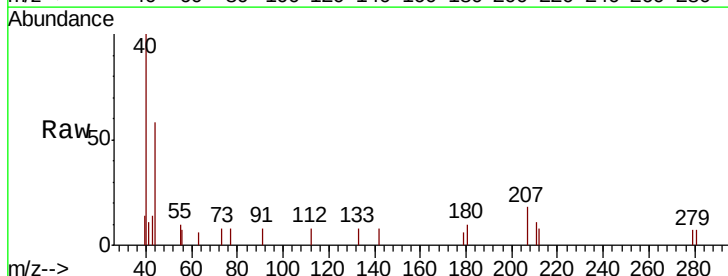
RT: 9.80 min Scan# 941

Delta R.T. -0.13 min

Lab File: VF062388.D

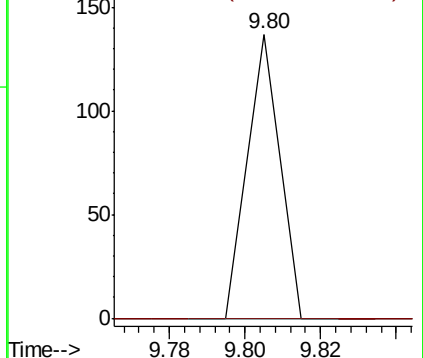
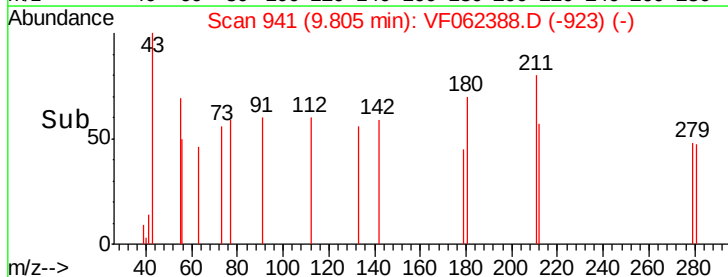
Acq: 8 May 2019 20:20

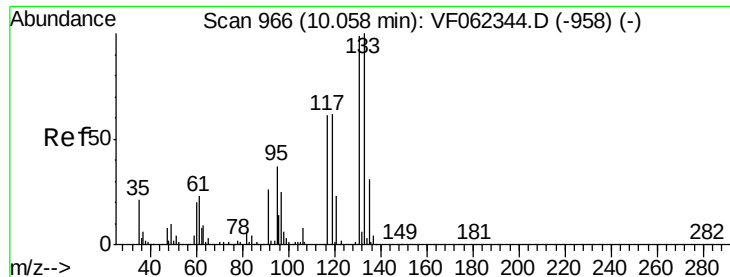
Tgt Ion:112	Resp:	81
Ion	Ratio	Lower Upper
112	100	
114	0.0	25.4 38.0#



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





#66

1,1,1,2-Tetrachloroethane

Concen: 62.018 ug/l

RT: 10.20 min Scan# 981

Delta R.T. 0.14 min

Lab File: VF062388.D

Acq: 8 May 2019 20:20

Instrument :

MSVOA_F

ClientSampleId :

SB-01-1.0-1.5RE

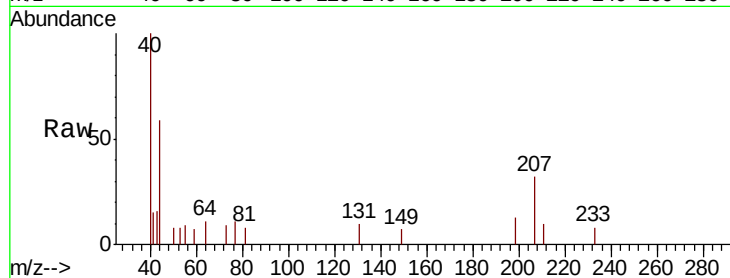
Tot Ion:131 Resp: 88

Ion Ratio Lower Upper

131 100

133 76.1 50.2 150.7

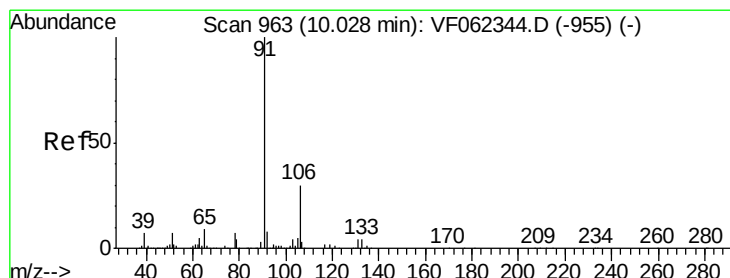
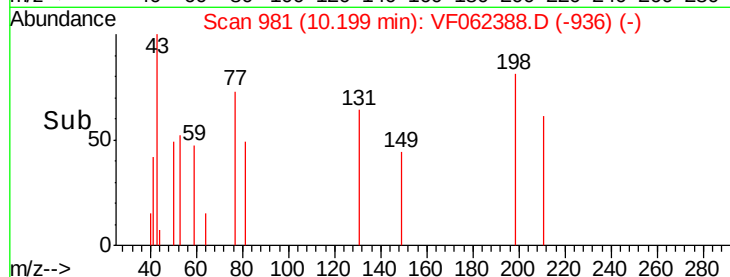
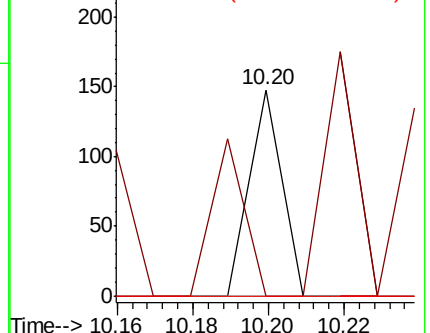
119 0.0 31.6 95.0#



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: 13.603 ug/l

RT: 10.06 min Scan# 967

Delta R.T. 0.03 min

Lab File: VF062388.D

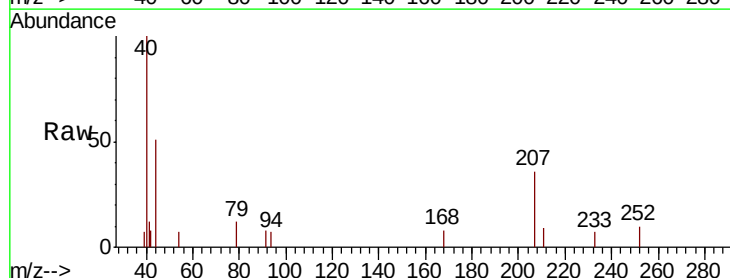
Acq: 8 May 2019 20:20

Tgt Ion: 91 Resp: 67

Ion Ratio Lower Upper

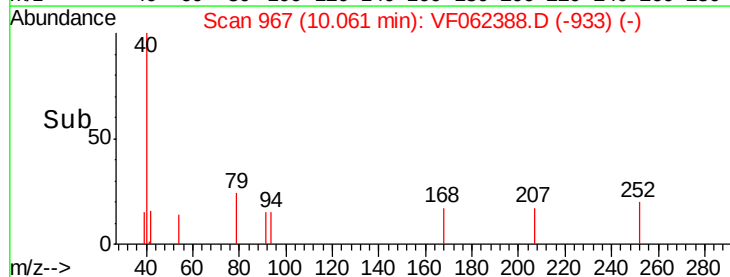
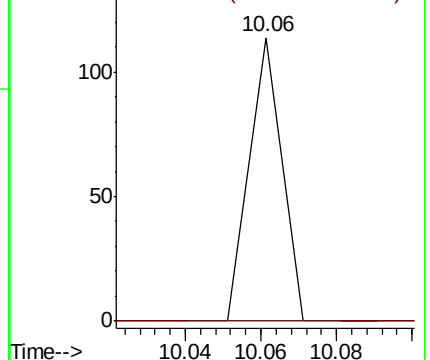
91 100

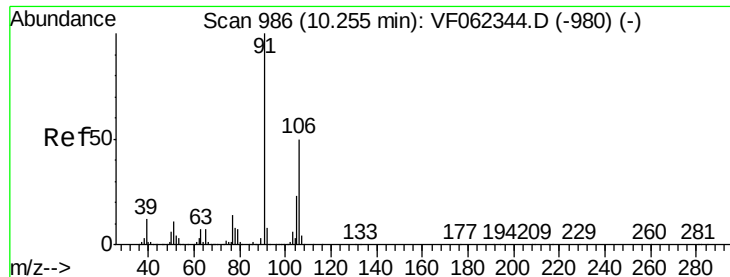
106 0.0 24.1 36.1#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V

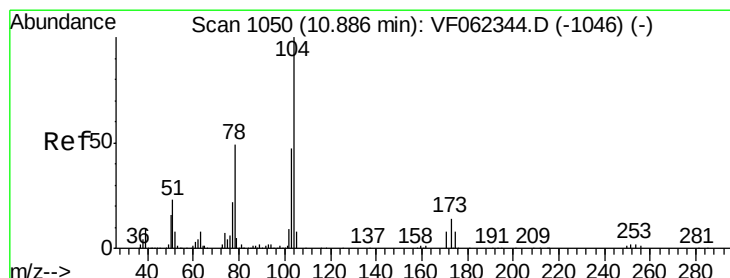
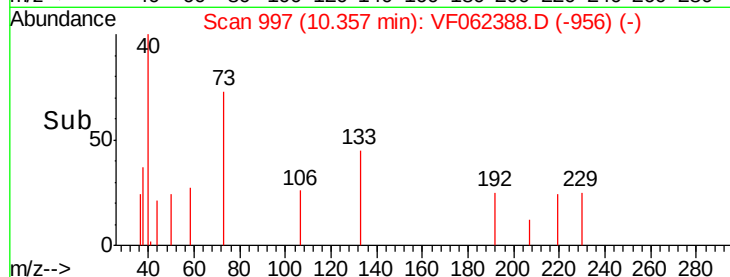
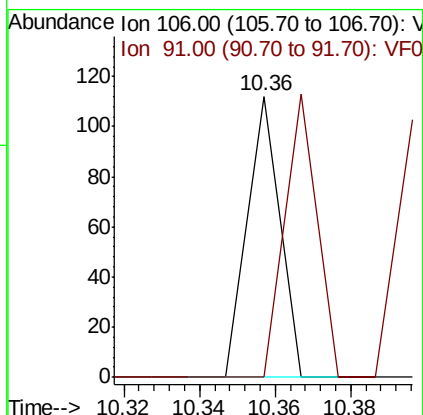
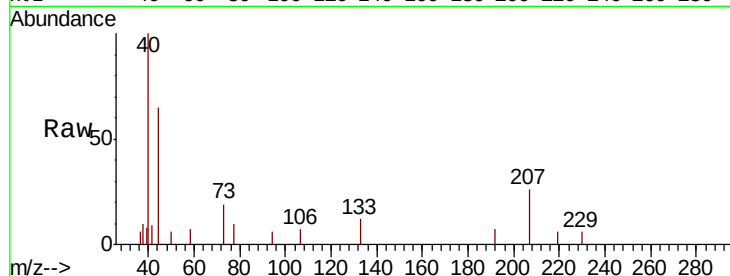




#68
m/p-Xylenes
Concen: 36.318 ug/l
RT: 10.36 min Scan# 997
Delta R.T. 0.10 min
Lab File: VF062388.D
Acq: 8 May 2019 20:20

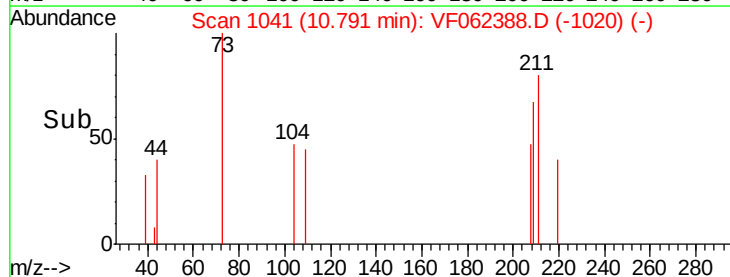
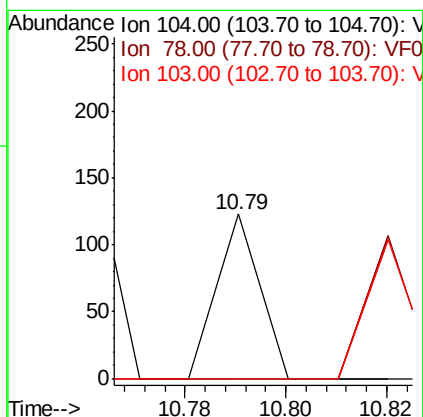
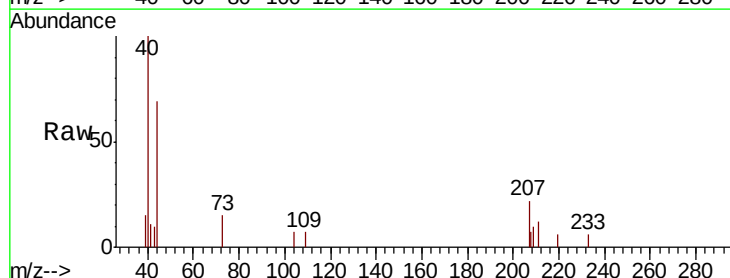
Instrument :
MSVOA_F
ClientSampleId :
SB-01-1.0-1.5RE

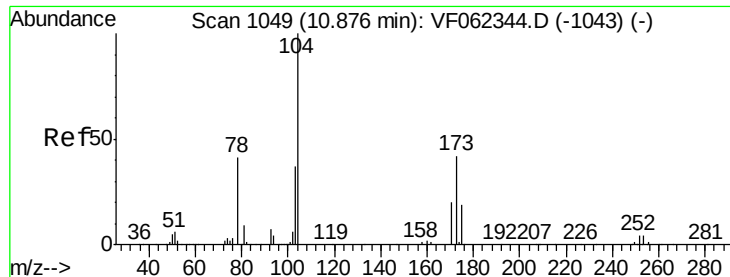
Tot Ion:106 Resp: 66
Ion Ratio Lower Upper
106 100
91 101.5 167.4 251.2#



#70
Styrene
Concen: 24.804 ug/l
RT: 10.79 min Scan# 1041
Delta R.T. -0.10 min
Lab File: VF062388.D
Acq: 8 May 2019 20:20

Tgt Ion:104 Resp: 73
Ion Ratio Lower Upper
104 100
78 0.0 39.5 59.3#
103 0.0 38.4 57.6#





#71

Bromoform

Concen: 77.183 ug/l

RT: 10.83 min Scan# 1045

Delta R.T. -0.05 min

Lab File: VF062388.D

Acq: 8 May 2019 20:20

Instrument :

MSVOA_F

ClientSampleId :

SB-01-1.0-1.5RE

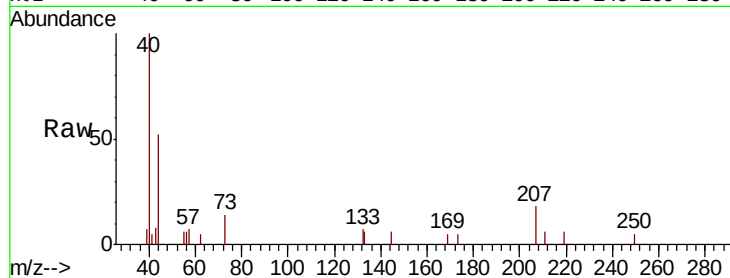
Tot Ion:173 Resp: 60

Ion Ratio Lower Upper

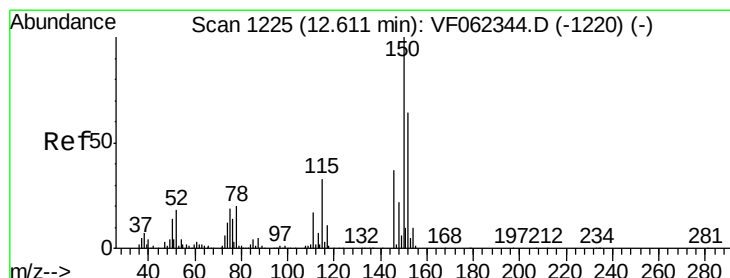
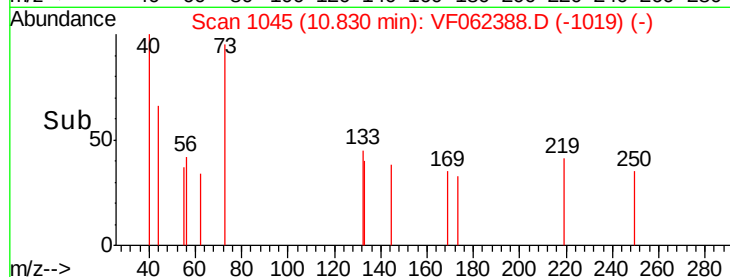
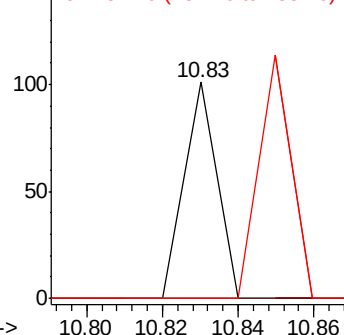
173 100

175 0.0 23.8 71.2#

254 111.7 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.82 min Scan# 1247

Delta R.T. 0.21 min

Lab File: VF062388.D

Acq: 8 May 2019 20:20

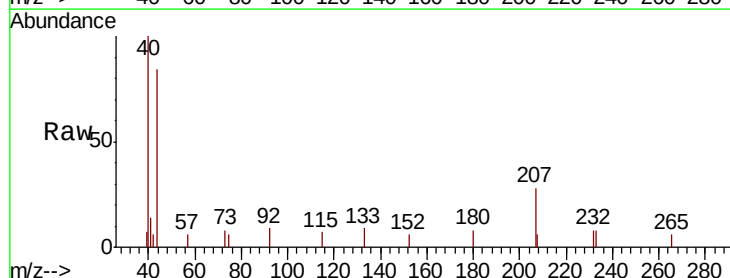
Tgt Ion:152 Resp: 59

Ion Ratio Lower Upper

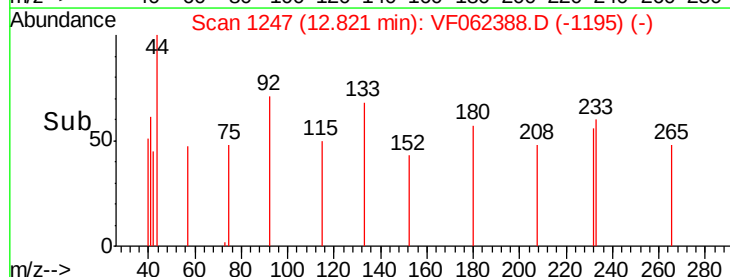
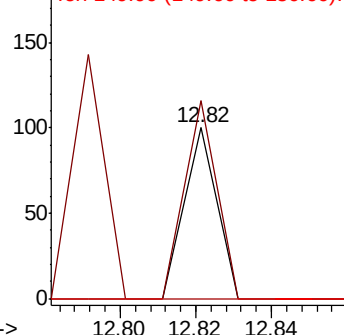
152 100

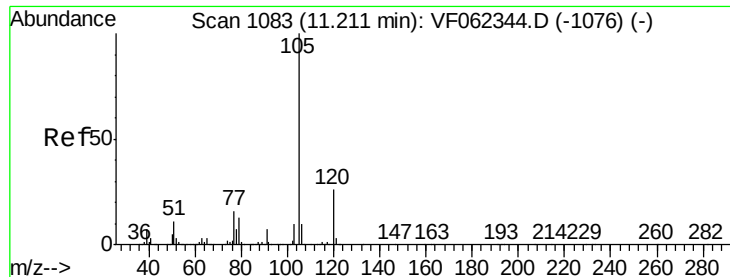
115 116.9 26.4 79.2#

150 0.0 0.0 335.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 18.012 ug/l

RT: 10.99 min Scan# 1061

Delta R.T. -0.22 min

Lab File: VF062388.D

Acq: 8 May 2019 20:20

Instrument :

MSVOA_F

ClientSampleId :

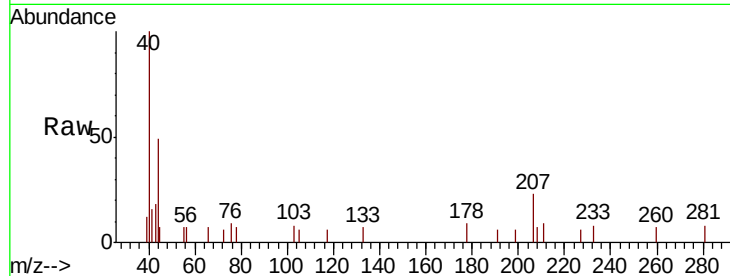
SB-01-1.0-1.5RE

Tot Ion:105 Resp: 63

Ion Ratio Lower Upper

105 100

120 0.0 12.7 38.0#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

10.99

100

80

60

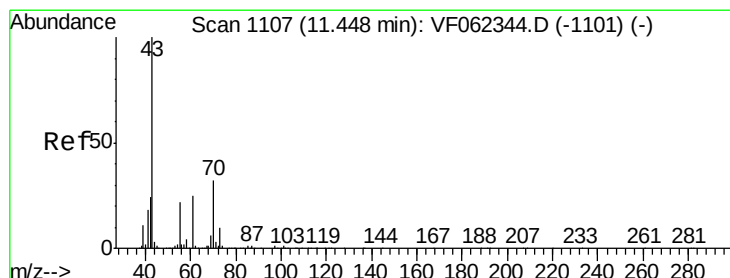
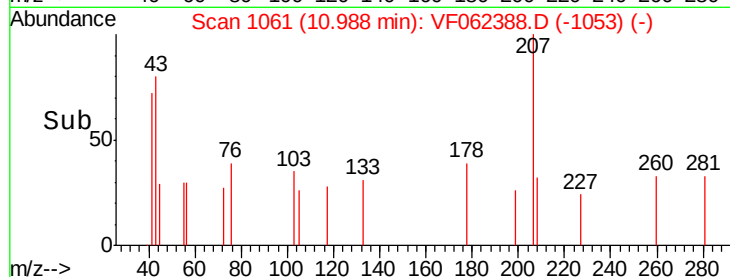
40

20

0

10.96 10.98 11.00 11.02

Time-->



#74

N-ethyl acetate

Concen: 1093.327 ug/l

RT: 11.42 min Scan# 1105

Delta R.T. -0.03 min

Lab File: VF062388.D

Acq: 8 May 2019 20:20

Tgt Ion: 43 Resp: 821

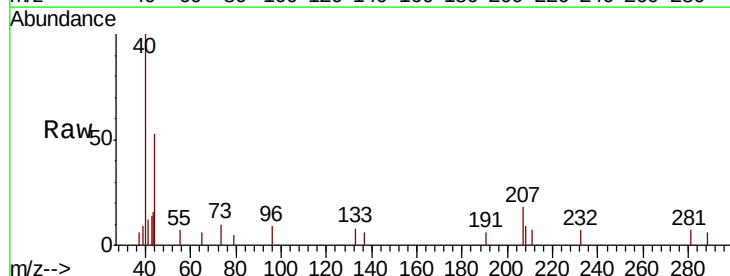
Ion Ratio Lower Upper

43 100

70 0.0 26.5 39.7#

55 9.4 17.8 26.6#

61 0.0 20.2 30.2#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

800

600

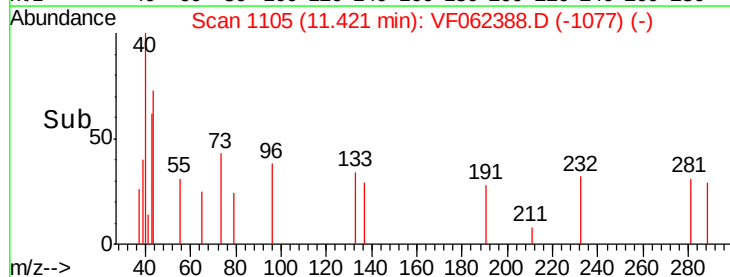
400

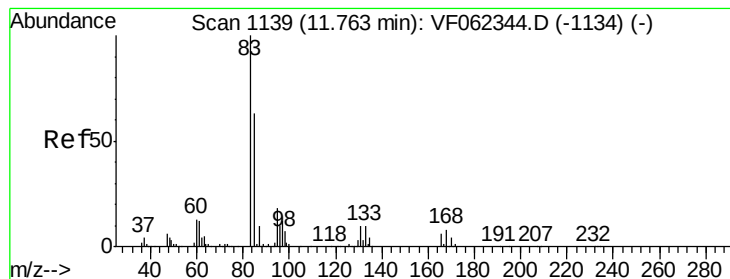
200

0

11.40 11.45

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 189.899 ug/l

RT: 11.84 min Scan# 1147

Delta R.T. 0.07 min

Lab File: VF062388.D

Acq: 8 May 2019 20:20

Instrument :

MSVOA_F

ClientSampleId :

SB-01-1.0-1.5RE

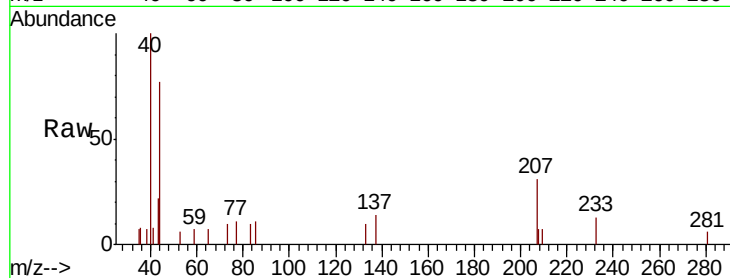
Tot Ion: 83 Resp: 104

Ion Ratio Lower Upper

83 100

131 0.0 5.8 17.4#

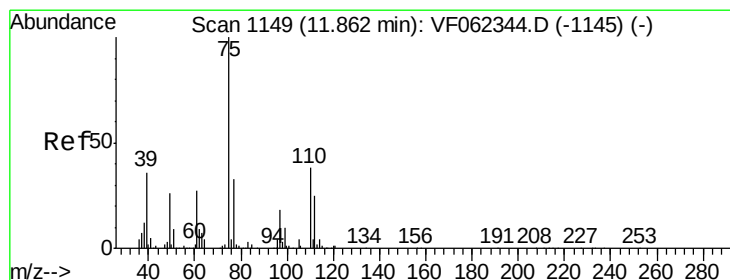
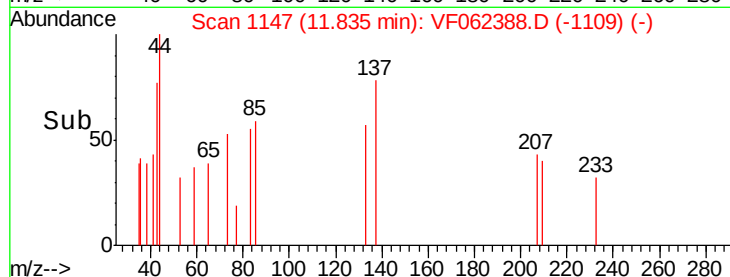
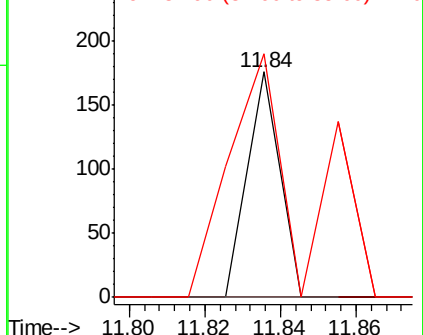
85 244.2 35.3 105.7#



Abundance Ion 82.90 (82.60 to 83.60): VF0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VF0



#76

1,2,3-Trichloropropane

Concen: 162.746 ug/l

RT: 11.87 min Scan# 1151

Delta R.T. 0.01 min

Lab File: VF062388.D

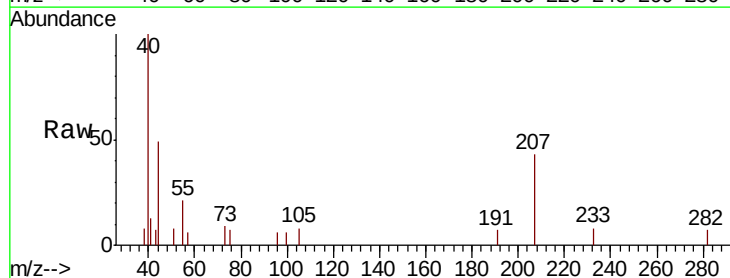
Acq: 8 May 2019 20:20

Tgt Ion: 75 Resp: 68

Ion Ratio Lower Upper

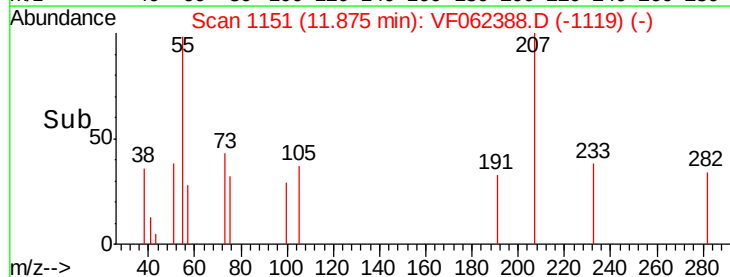
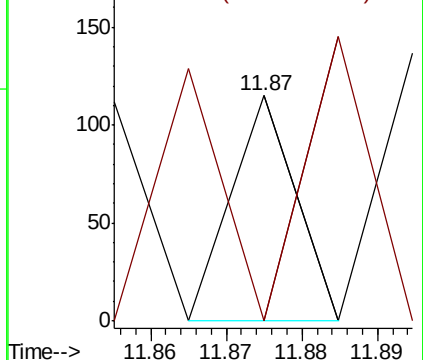
75 100

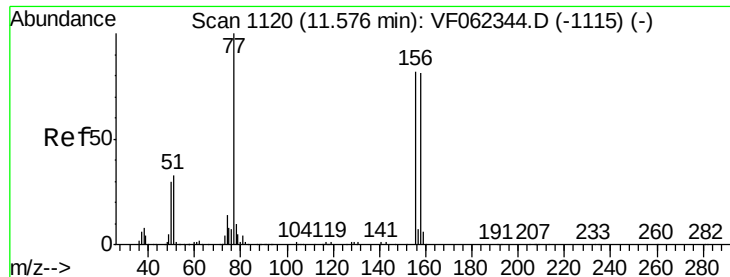
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 66.451 ug/l

RT: 11.37 min Scan# 1100

Delta R.T. -0.20 min

Lab File: VF062388.D

Acq: 8 May 2019 20:20

Instrument :

MSVOA_F

ClientSampleId :

SB-01-1.0-1.5RE

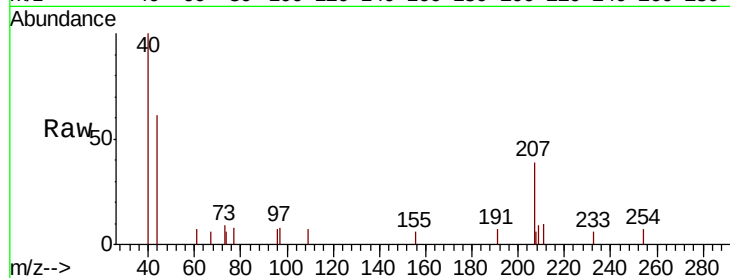
Tot Ion:156 Resp: 61

Ion Ratio Lower Upper

156 100

77 0.0 64.8 194.3#

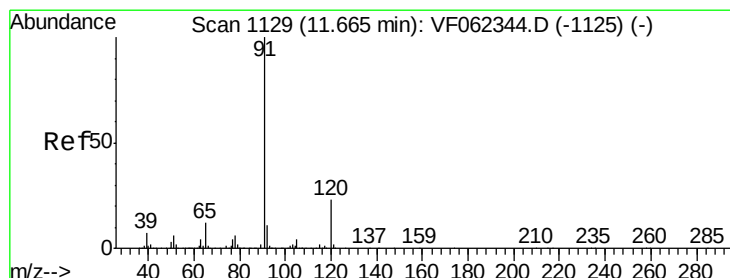
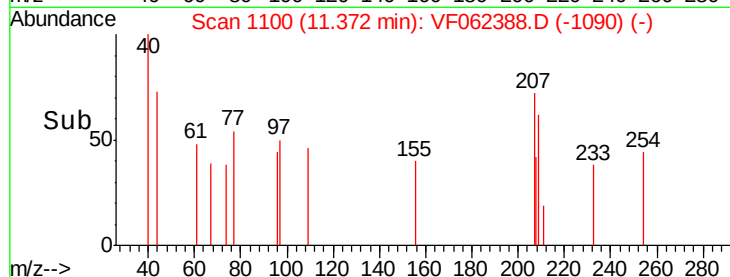
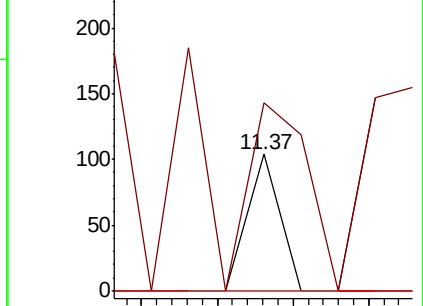
158 0.0 49.1 147.3#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 31.150 ug/l

RT: 11.66 min Scan# 1129

Delta R.T. -0.01 min

Lab File: VF062388.D

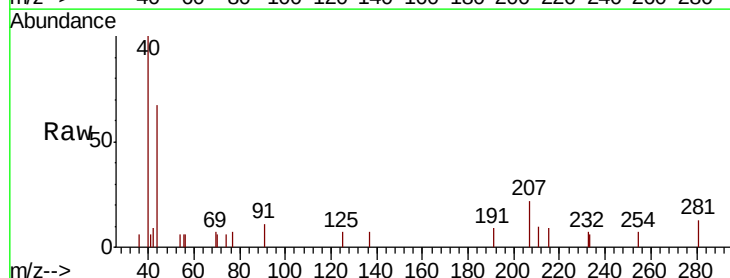
Acq: 8 May 2019 20:20

Tgt Ion: 91 Resp: 116

Ion Ratio Lower Upper

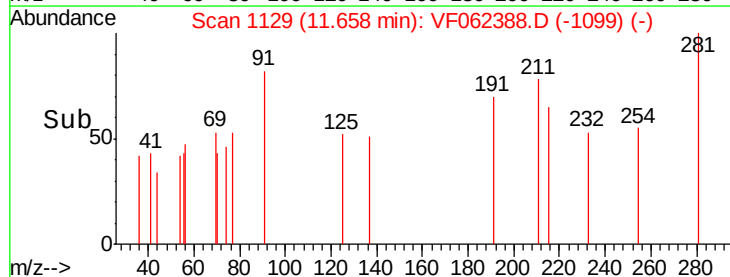
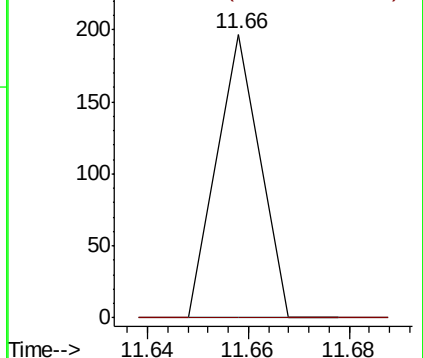
91 100

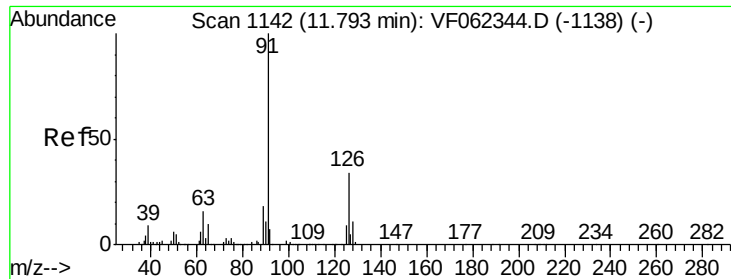
120 0.0 11.9 35.5#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

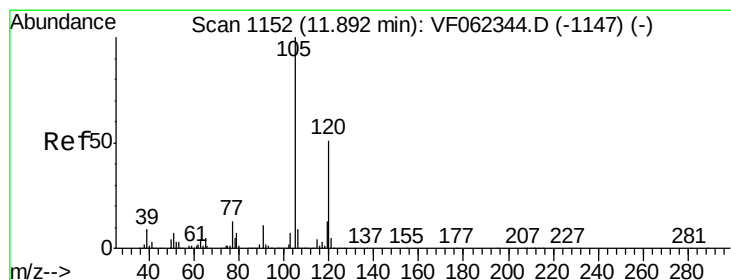
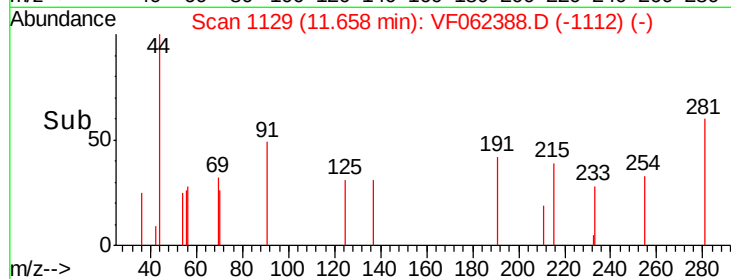
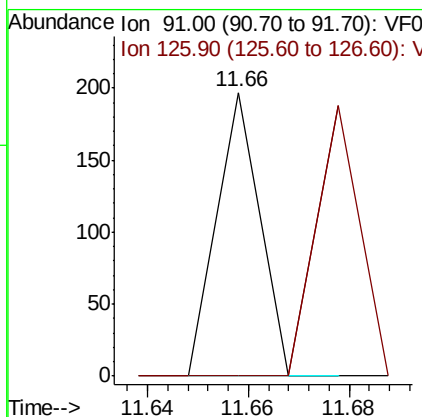
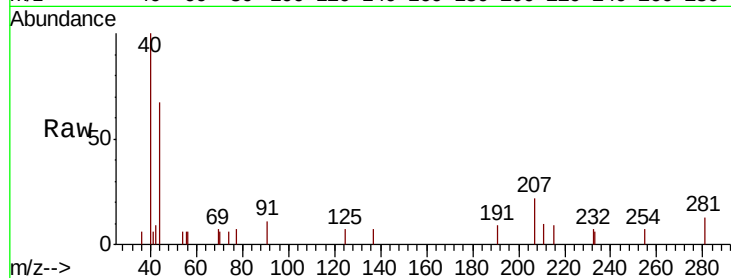




#79
 2-Chlorotoluene
 Concen: 50.095 ug/l
 RT: 11.66 min Scan# 1129
 Delta R.T. -0.13 min
 Lab File: VF062388.D
 Acq: 8 May 2019 20:20

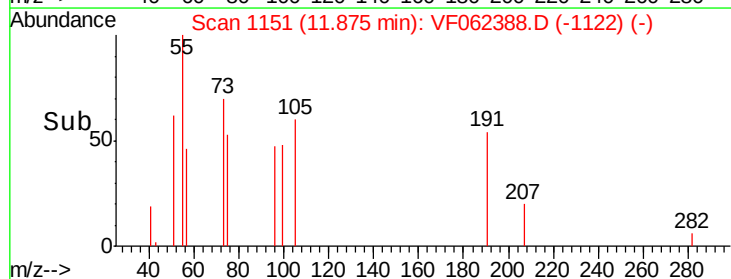
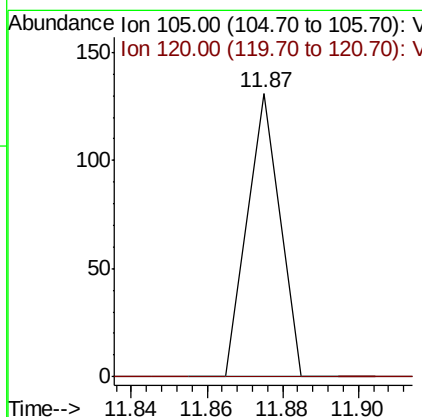
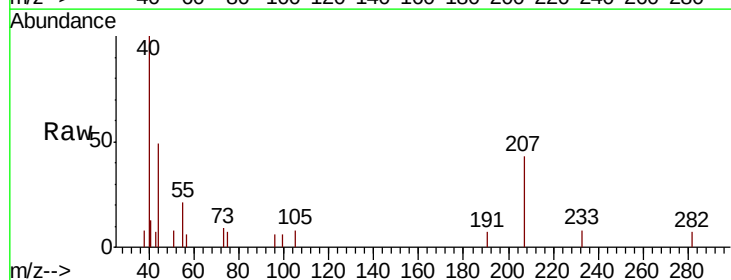
Instrument :
 MSVOA_F
 ClientSampleId :
 SB-01-1.0-1.5RE

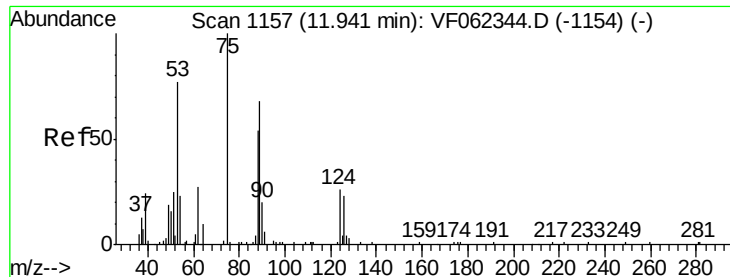
Tot Ion: 91 Resp: 116
 Ion Ratio Lower Upper
 91 100
 126 95.7 17.8 53.4#



#80
 1,3,5-Trimethylbenzene
 Concen: 25.116 ug/l
 RT: 11.87 min Scan# 1151
 Delta R.T. -0.02 min
 Lab File: VF062388.D
 Acq: 8 May 2019 20:20

Tgt Ion: 105 Resp: 77
 Ion Ratio Lower Upper
 105 100
 120 0.0 24.6 74.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 1088.775 ug/l

RT: 11.92 min Scan# 1156

Delta R.T. -0.02 min

Lab File: VF062388.D

Acq: 8 May 2019 20:20

Instrument :

MSVOA_F

ClientSampleId :

SB-01-1.0-1.5RE

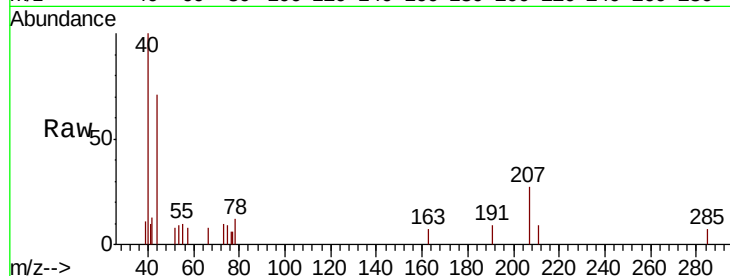
Tot Ion: 75 Resp: 171

Ion Ratio Lower Upper

75 100

53 48.0 71.9 107.9#

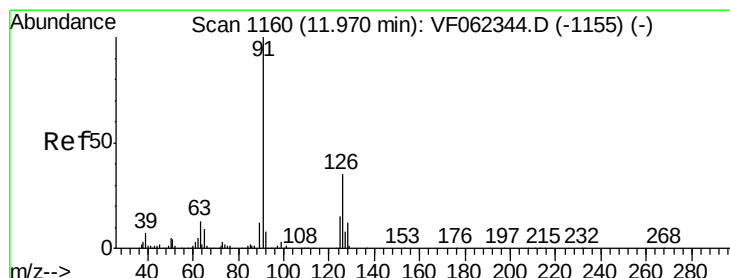
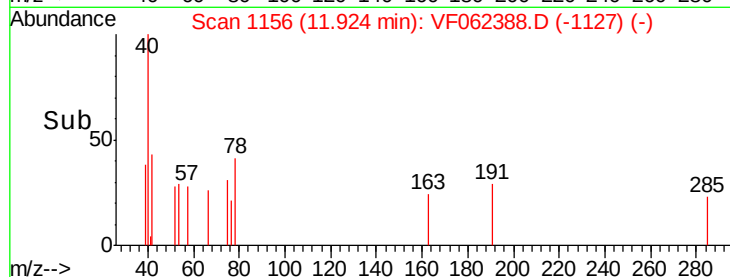
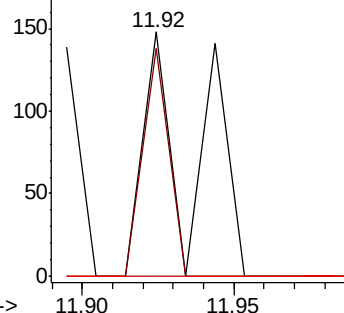
89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 88.90 (88.60 to 89.60): VF0



#82

4-Chlorotoluene

Concen: 41.538 ug/l

RT: 11.93 min Scan# 1157

Delta R.T. -0.04 min

Lab File: VF062388.D

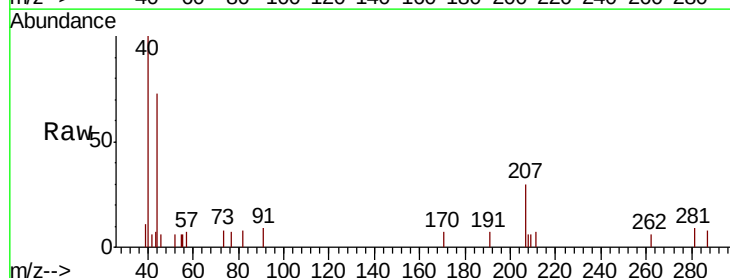
Acq: 8 May 2019 20:20

Tgt Ion: 91 Resp: 95

Ion Ratio Lower Upper

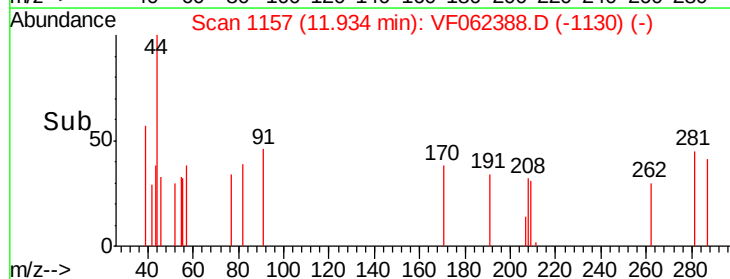
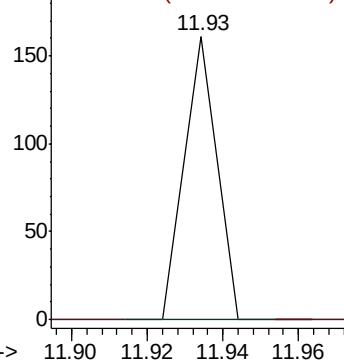
91 100

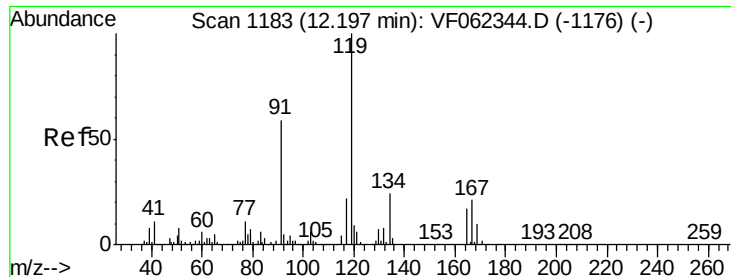
126 0.0 17.7 53.1#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 18.933 ug/l

RT: 12.13 min Scan# 1177

Delta R.T. -0.07 min

Lab File: VF062388.D

Acq: 8 May 2019 20:20

Instrument :

MSVOA_F

ClientSampleId :

SB-01-1.0-1.5RE

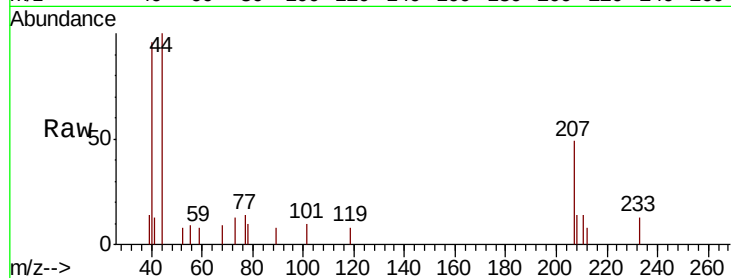
Tot Ion:119 Resp: 61

Ion Ratio Lower Upper

119 100

91 124.6 30.4 91.3#

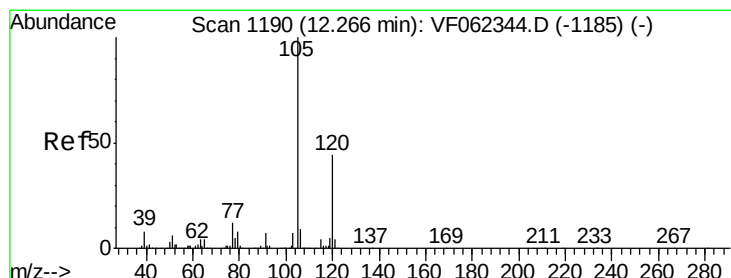
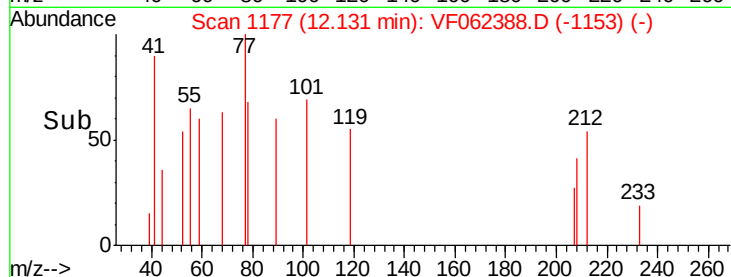
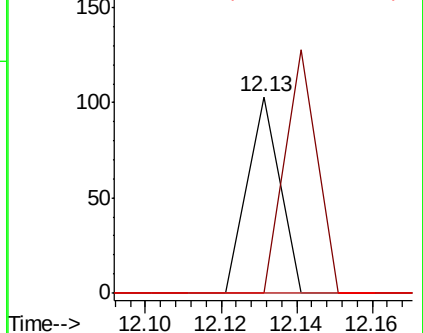
134 0.0 11.9 35.7#



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VF0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 23.999 ug/l

RT: 12.21 min Scan# 1185

Delta R.T. -0.06 min

Lab File: VF062388.D

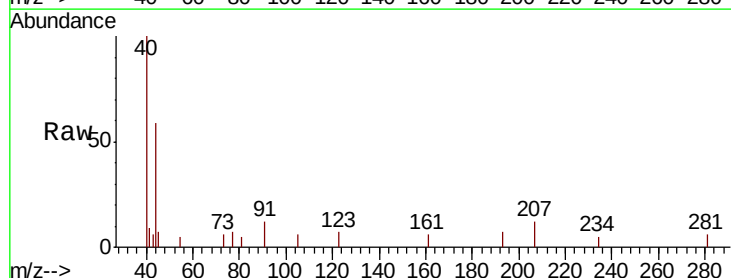
Acq: 8 May 2019 20:20

Tgt Ion:105 Resp: 72

Ion Ratio Lower Upper

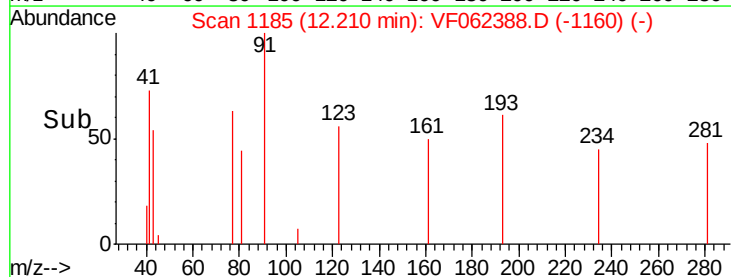
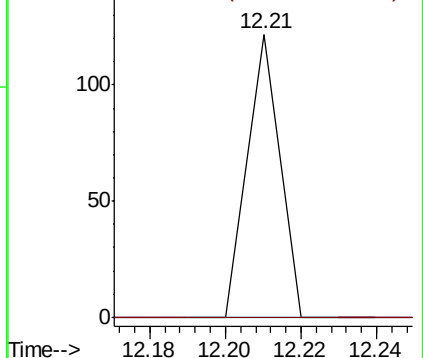
105 100

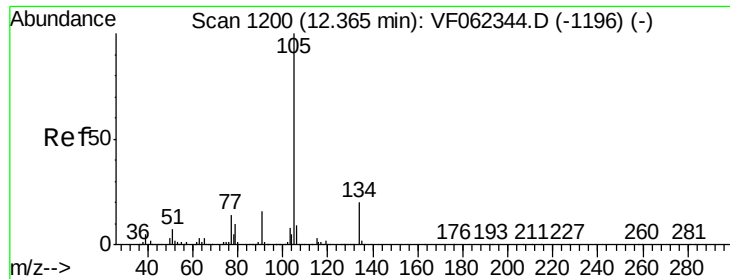
120 0.0 22.6 67.7#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 15.299 ug/l

RT: 12.35 min Scan# 1199

Delta R.T. -0.02 min

Lab File: VF062388.D

Acq: 8 May 2019 20:20

Instrument :

MSVOA_F

ClientSampleId :

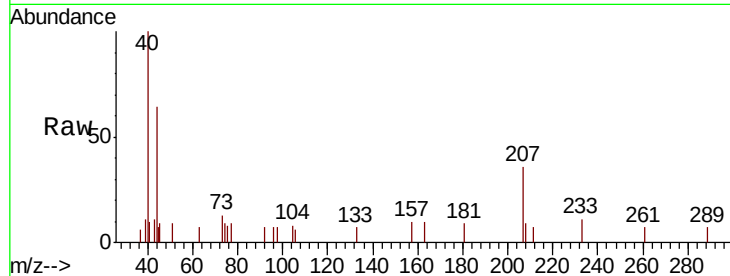
SB-01-1.0-1.5RE

Tot Ion:105 Resp: 60

Ion Ratio Lower Upper

105 100

134 0.0 9.8 29.5#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

120

100

80

60

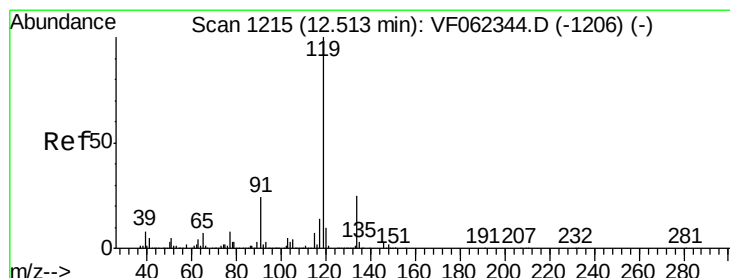
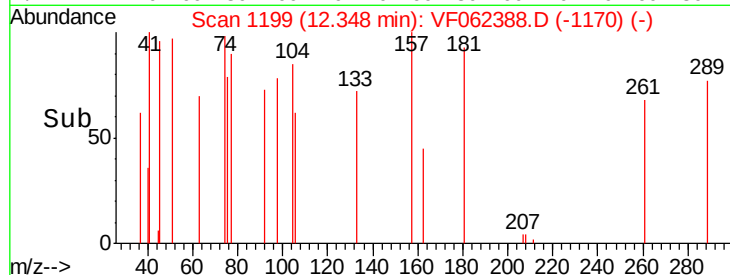
40

20

0

12.32 12.34 12.36 12.38

Time-->



#86

p-Isopropyltoluene

Concen: 24.701 ug/l

RT: 12.54 min Scan# 1218

Delta R.T. 0.02 min

Lab File: VF062388.D

Acq: 8 May 2019 20:20

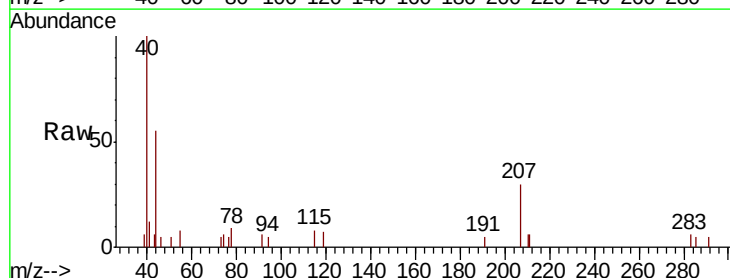
Tgt Ion:119 Resp: 90

Ion Ratio Lower Upper

119 100

134 0.0 12.9 38.7#

91 177.8 12.3 36.8#



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0

200

150

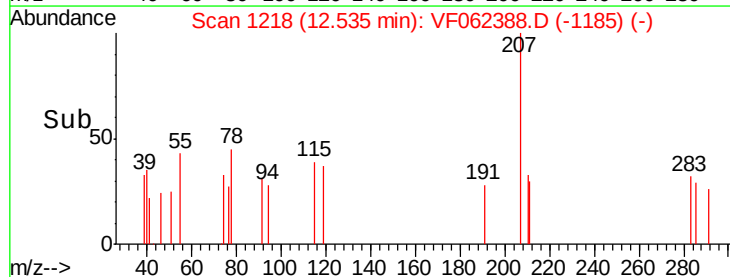
100

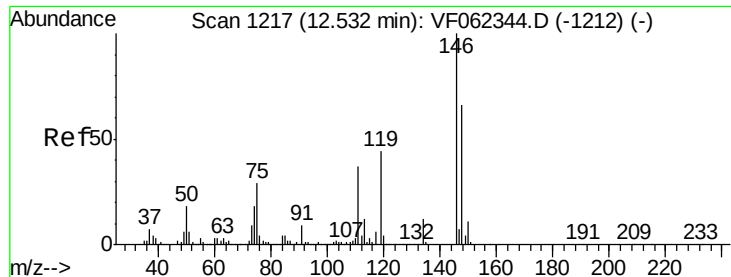
50

0

12.50 12.52 12.54 12.56

Time-->

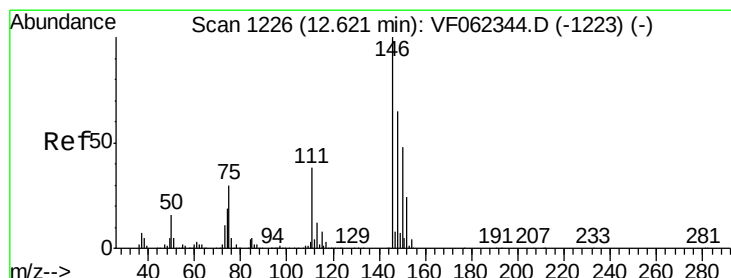
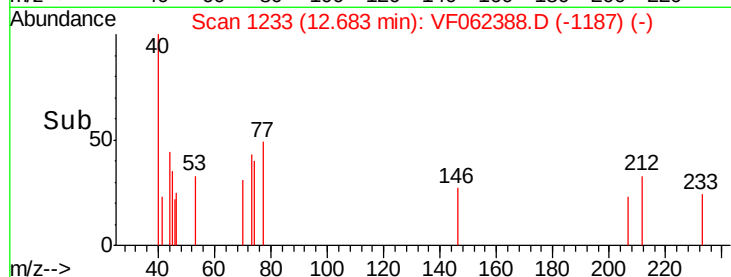
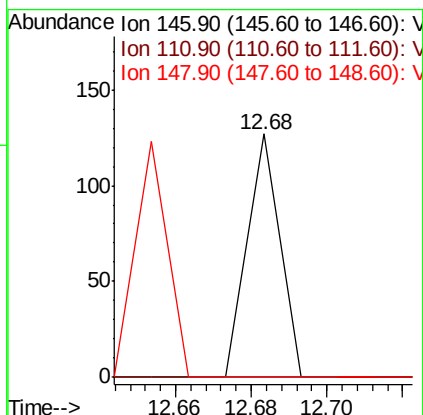
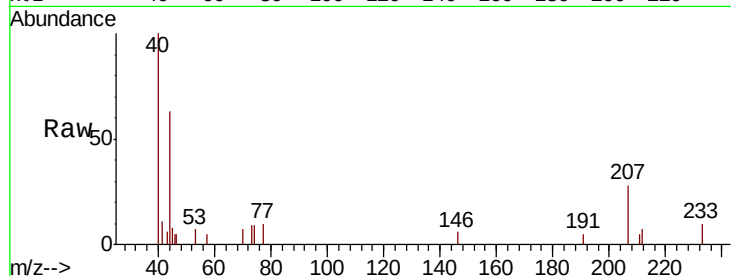




#87
 1,3-Dichlorobenzene
 Concen: 44.735 ug/l
 RT: 12.68 min Scan# 1233
 Delta R.T. 0.15 min
 Lab File: VF062388.D
 Acq: 8 May 2019 20:20

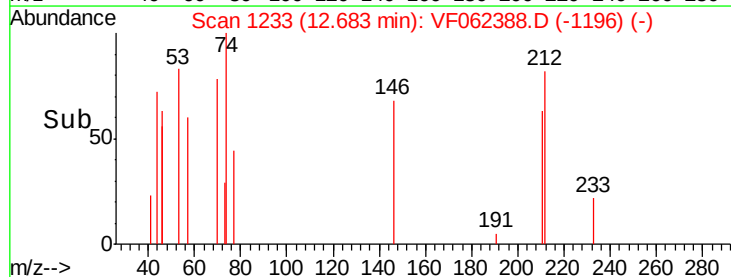
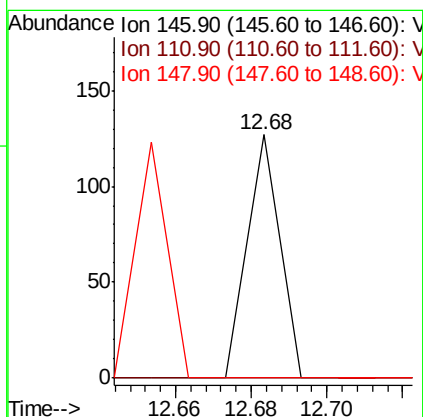
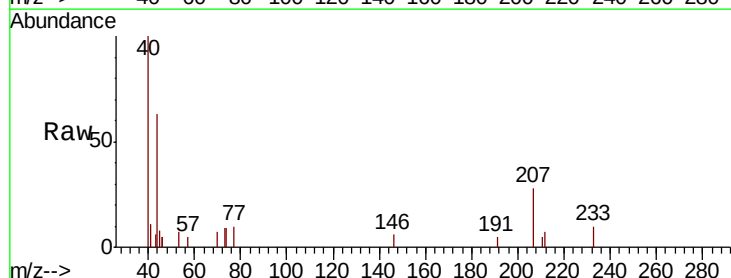
Instrument :
 MSVOA_F
 ClientSampleId :
 SB-01-1.0-1.5RE

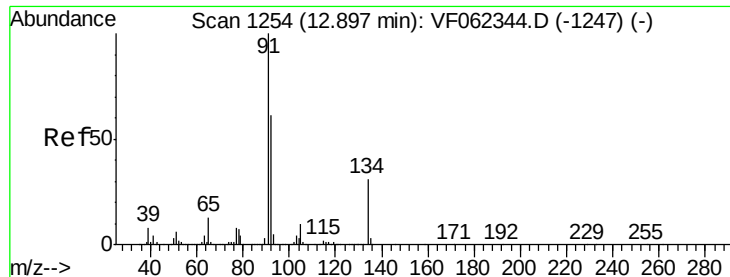
Tot Ion	Ratio	Lower	Upper
146	100		
111	0.0	18.3	54.8#
148	0.0	32.3	96.9#



#88
 1,4-Dichlorobenzene
 Concen: 46.350 ug/l
 RT: 12.68 min Scan# 1233
 Delta R.T. 0.06 min
 Lab File: VF062388.D
 Acq: 8 May 2019 20:20

Tgt Ion	Ratio	Lower	Upper
146	100		
111	0.0	18.8	56.3#
148	0.0	32.2	96.6#





#89

n-Butylbenzene

Concen: 28.072 ug/l

RT: 12.91 min Scan# 1256

Delta R.T. 0.01 min

Lab File: VF062388.D

Acq: 8 May 2019 20:20

Instrument :

MSVOA_F

ClientSampleId :

SB-01-1.0-1.5RE

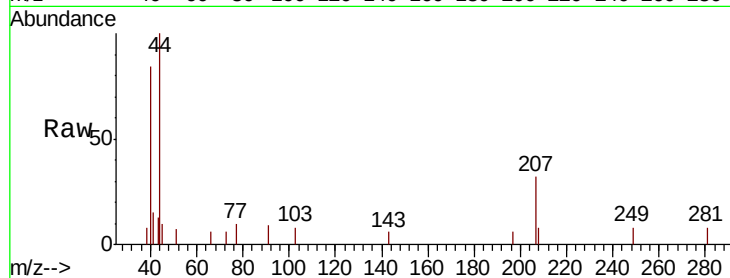
Tot Ion: 91 Resp: 91

Ion Ratio Lower Upper

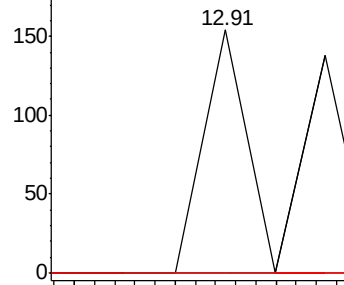
91 100

92 0.0 30.0 90.0#

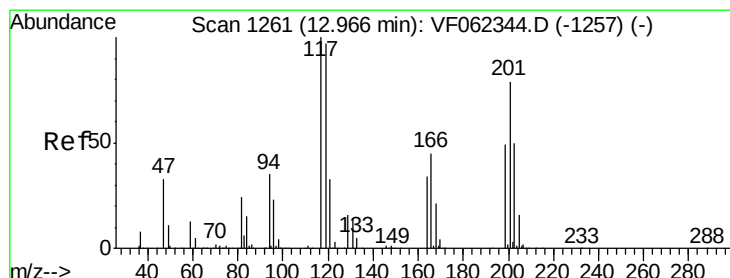
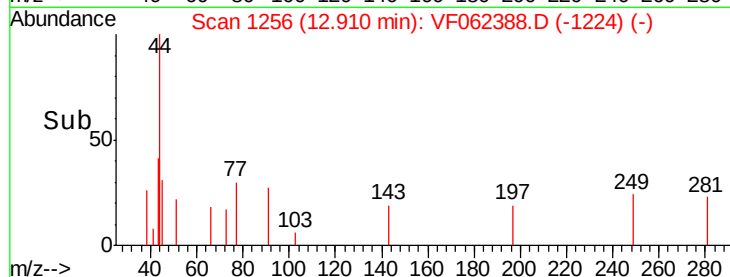
134 0.0 14.1 42.4#



Abundance Ion 91.00 (90.70 to 91.70): VF0
Ion 92.00 (91.70 to 92.70): VF0
Ion 134.00 (133.70 to 134.70): V



Time--> 12.88 12.90 12.92



#90

Hexachloroethane

Concen: 92.332 ug/l

RT: 13.05 min Scan# 1270

Delta R.T. 0.08 min

Lab File: VF062388.D

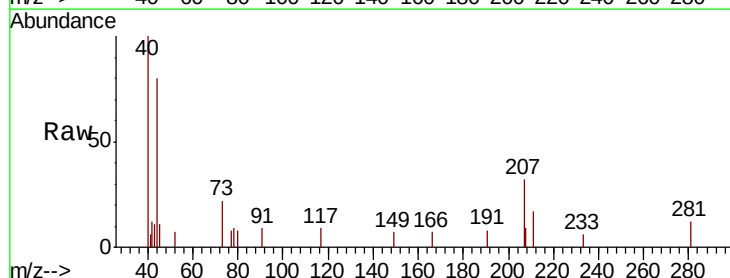
Acq: 8 May 2019 20:20

Tgt Ion: 117 Resp: 84

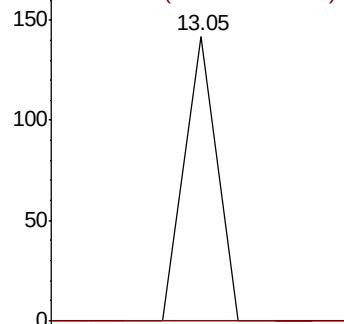
Ion Ratio Lower Upper

117 100

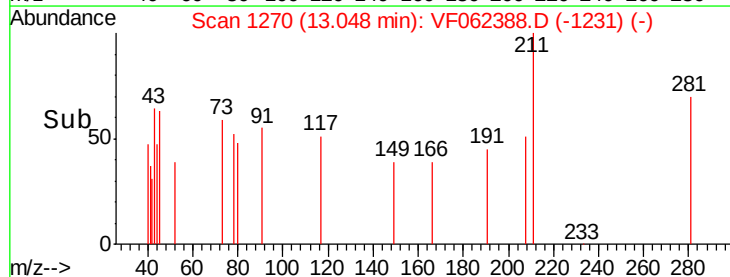
201 0.0 46.2 138.5#

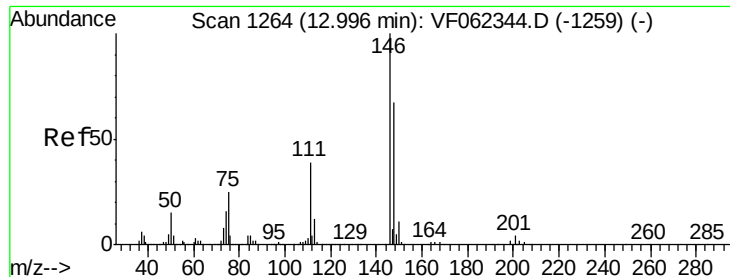


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V



Time--> 13.02 13.04 13.06 13.08





#91

1,2-Dichlorobenzene

Concen: 44.986 ug/l

RT: 12.98 min Scan# 1263

Delta R.T. -0.02 min

Lab File: VF062388.D

Acq: 8 May 2019 20:20

Instrument :

MSVOA_F

ClientSampleId :

SB-01-1.0-1.5RE

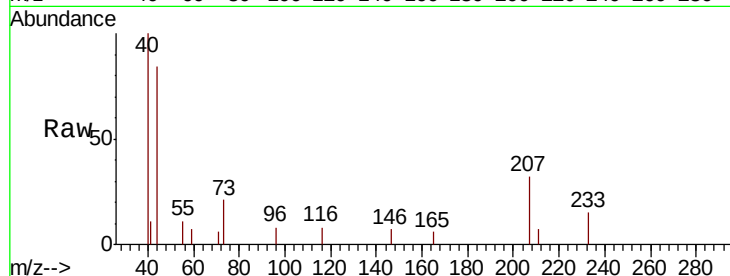
Tot Ion:146 Resp: 73

Ion Ratio Lower Upper

146 100

111 0.0 20.0 60.0#

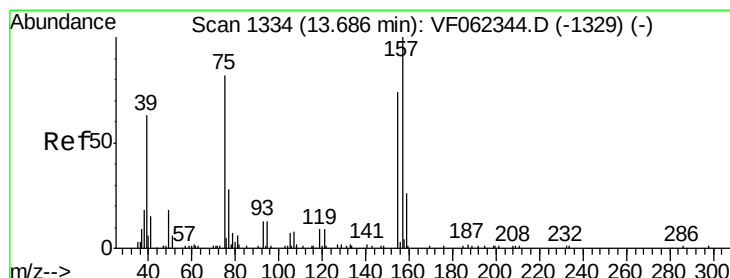
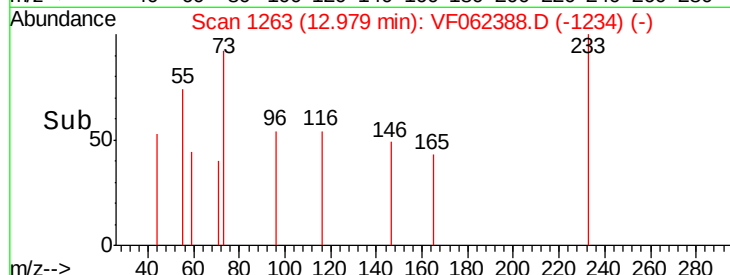
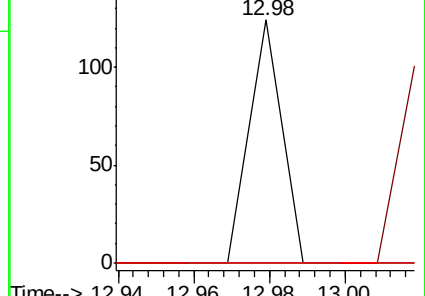
148 0.0 33.1 99.5#



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 1075.857 ug/l

RT: 13.73 min Scan# 1339

Delta R.T. 0.04 min

Lab File: VF062388.D

Acq: 8 May 2019 20:20

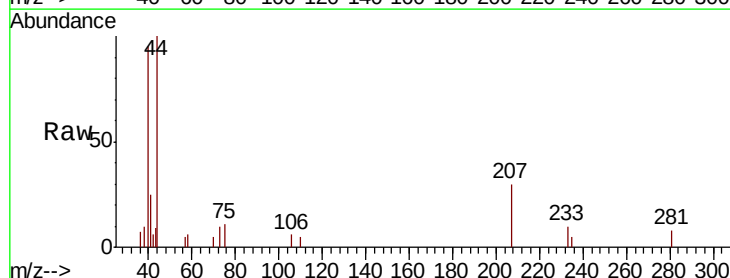
Tgt Ion: 75 Resp: 132

Ion Ratio Lower Upper

75 100

155 0.0 51.8 155.4#

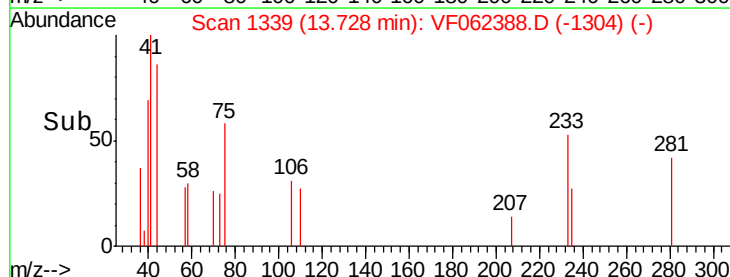
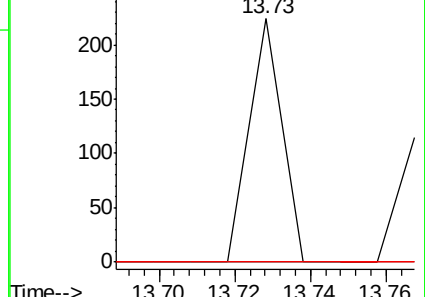
157 0.0 67.3 201.8#

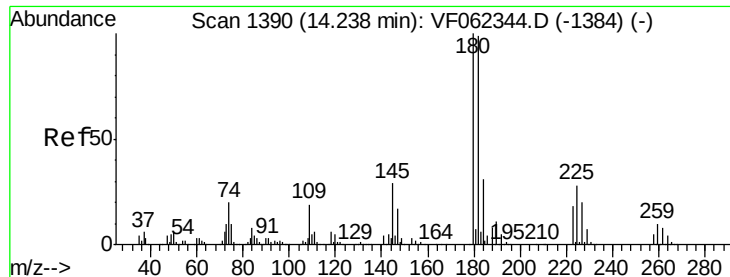


Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

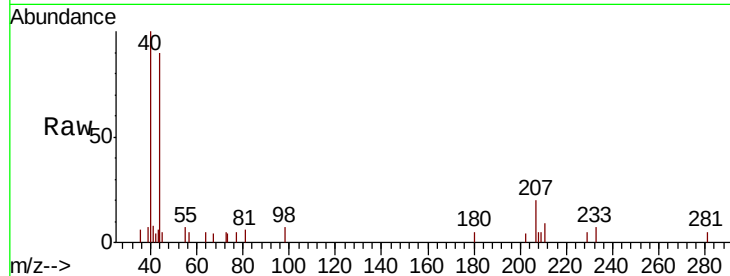




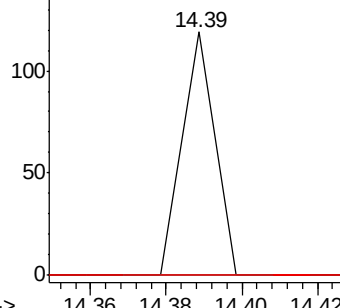
#93
 1,2,4-Trichlorobenzene
 Concen: 48.093 ug/l
 RT: 14.39 min Scan# 1406
 Delta R.T. 0.15 min
 Lab File: VF062388.D
 Acq: 8 May 2019 20:20

Instrument :
 MSVOA_F
 ClientSampleId :
 SB-01-1.0-1.5RE

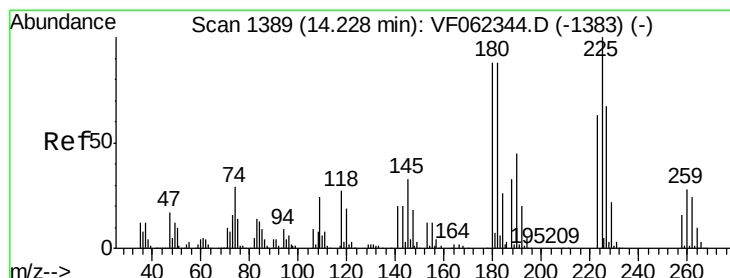
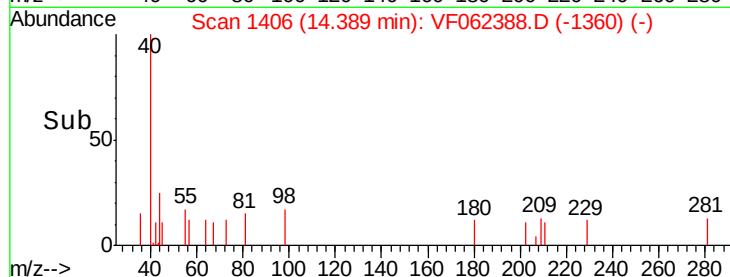
Tot Ion	Ratio	Lower	Upper
180	100		
182	0.0	49.0	147.0#
145	0.0	16.7	50.1#



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

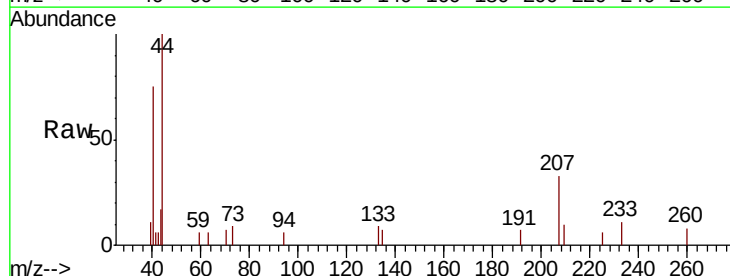


Time-->

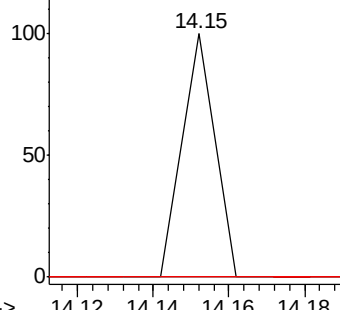


#94
 Hexachlorobutadiene
 Concen: 54.386 ug/l
 RT: 14.15 min Scan# 1382
 Delta R.T. -0.08 min
 Lab File: VF062388.D
 Acq: 8 May 2019 20:20

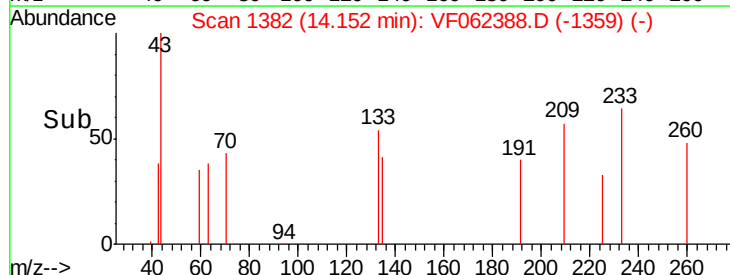
Tgt Ion	Ratio	Lower	Upper
225	100		
223	0.0	31.9	95.5#
227	0.0	33.1	99.5#

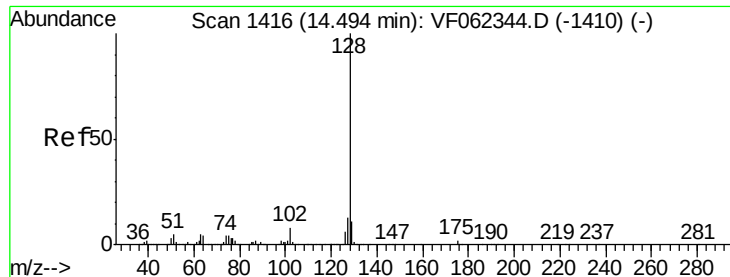


Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V



Time-->





#95

Naphthalene

Concen: 28.333 ug/l

RT: 14.24 min Scan# 1391

Delta R.T. -0.25 min

Lab File: VF062388.D

Acq: 8 May 2019 20:20

Instrument :

MSVOA_F

ClientSampled :

SB-01-1.0-1.5RE

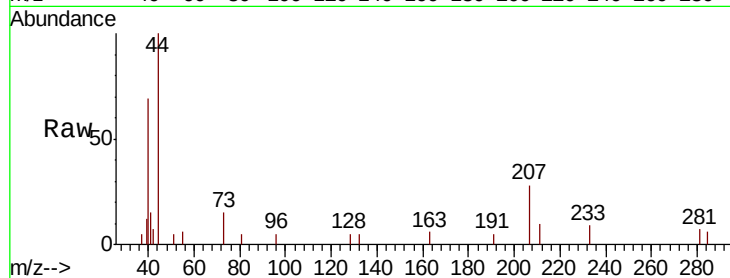
Tot Ion:128 Resp: 62

Ion Ratio Lower Upper

128 100

127 0.0 10.5 15.7#

129 0.0 8.6 12.8#



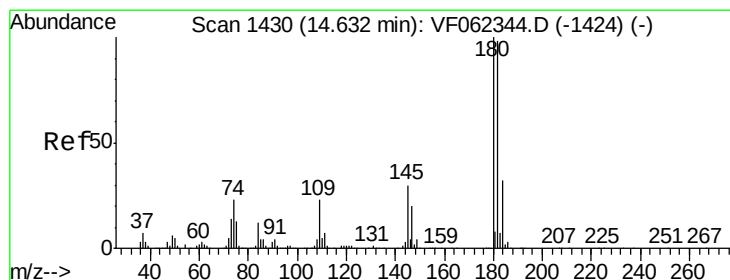
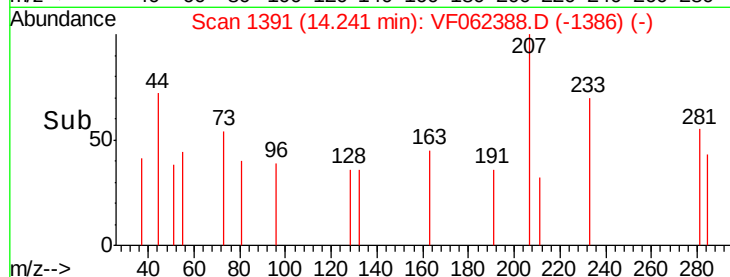
Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

14.24

Time-->



#96

1,2,3-Trichlorobenzene

Concen: 62.407 ug/l

RT: 14.60 min Scan# 1427

Delta R.T. -0.04 min

Lab File: VF062388.D

Acq: 8 May 2019 20:20

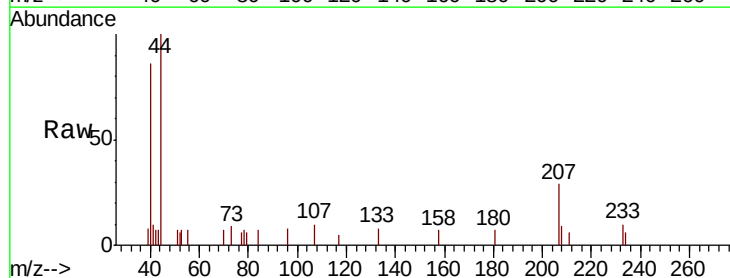
Tgt Ion:180 Resp: 88

Ion Ratio Lower Upper

180 100

182 0.0 49.4 148.0#

145 0.0 14.8 44.3#



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

14.60

Time-->

