

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF050819\
 Data File : VF062385.D
 Acq On : 8 May 2019 18:56
 Operator : FY/SY
 Sample : K2672-13RE
 Misc : 5.05g/5mL/MSVOA F/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 SB-07-1.5-2.0RE

Quant Time: May 09 05:02:52 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	5.03	168	20256	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.75	114	23409	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.89	117	9736	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.60	152	1671	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.00	65	5637	29.45	ug/l	-0.02
Spiked Amount			Recovery	=	58.90%	
35) Dibromofluoromethane	4.29	113	8633	46.29	ug/l	0.00
Spiked Amount			Recovery	=	92.58%	
50) Toluene-d8	7.70	98	20508	45.43	ug/l	0.00
Spiked Amount			Recovery	=	90.86%	
62) 4-Bromofluorobenzene	11.48	95	3484	17.11	ug/l	0.00
Spiked Amount			Recovery	=	34.22%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.17	50	812	5.252	ug/l	91
5) Bromomethane	1.42	94	173	Below Cal	#	37
8) Diethyl Ether	1.69	74	96	1.983	ug/l	74
11) Tert butyl alcohol	2.70	59	137	12.663	ug/l #	16
13) Acrolein	2.08	56	74	Below Cal	#	1
14) Allyl chloride	2.21	41	459	3.346	ug/l #	5
15) Acrylonitrile	3.06	53	153	7.466	ug/l #	10
16) Acetone	2.32	43	426	11.001	ug/l #	62
18) Methyl Acetate	2.44	43	369	2.233	ug/l	98
19) Methyl tert-butyl Ether	2.55	73	441	1.376	ug/l #	61
25) 2-Butanone	4.49	43	654	13.443	ug/l #	60
26) 2,2-Dichloropropane	3.81	77	321	2.218	ug/l	92
27) cis-1,2-Dichloroethene	3.83	96	231	1.249	ug/l	33
29) Tetrahydrofuran	4.23	42	308	13.775	ug/l #	75
37) Ethyl Acetate	4.29	43	89	Below Cal	#	73
38) Carbon Tetrachloride	4.16	117	76	Below Cal	#	60
41) Methacrylonitrile	4.93	41	615	12.755	ug/l #	33
43) Isopropyl Acetate	7.10	43	1079	11.797	ug/l #	62
48) Methyl methacrylate	6.84	41	69	1.067	ug/l #	1
49) 1,4-Dioxane	7.07	88	127	180.326	ug/l #	16
51) 4-Methyl-2-Pentanone	8.27	43	200	2.886	ug/l	95
55) 1,1,2-Trichloroethane	8.59	97	143	1.649	ug/l #	14
58) 2-Chloroethyl Vinyl ether	7.31	63	71	2.580	ug/l #	42
59) 2-Hexanone	9.63	43	174	3.630	ug/l	87
61) 1,2-Dibromoethane	9.12	107	102	1.001	ug/l #	3
66) 1,1,1,2-Tetrachloroethane	10.15	131	88	1.083	ug/l #	7
73) Isopropylbenzene	11.19	105	499	5.037	ug/l #	50
74) N-amyl acetate	11.47	43	370	17.397	ug/l #	56
75) 1,1,2,2-Tetrachloroethane	11.78	83	79	5.093	ug/l #	81
76) 1,2,3-Trichloropropane	11.80	75	79	6.676	ug/l #	100
77) Bromobenzene	11.62	156	62	2.385	ug/l #	1
78) n-propylbenzene	11.64	91	290	2.750	ug/l #	52
79) 2-Chlorotoluene	11.78	91	96	1.464	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.87	105	88	1.013	ug/l	72

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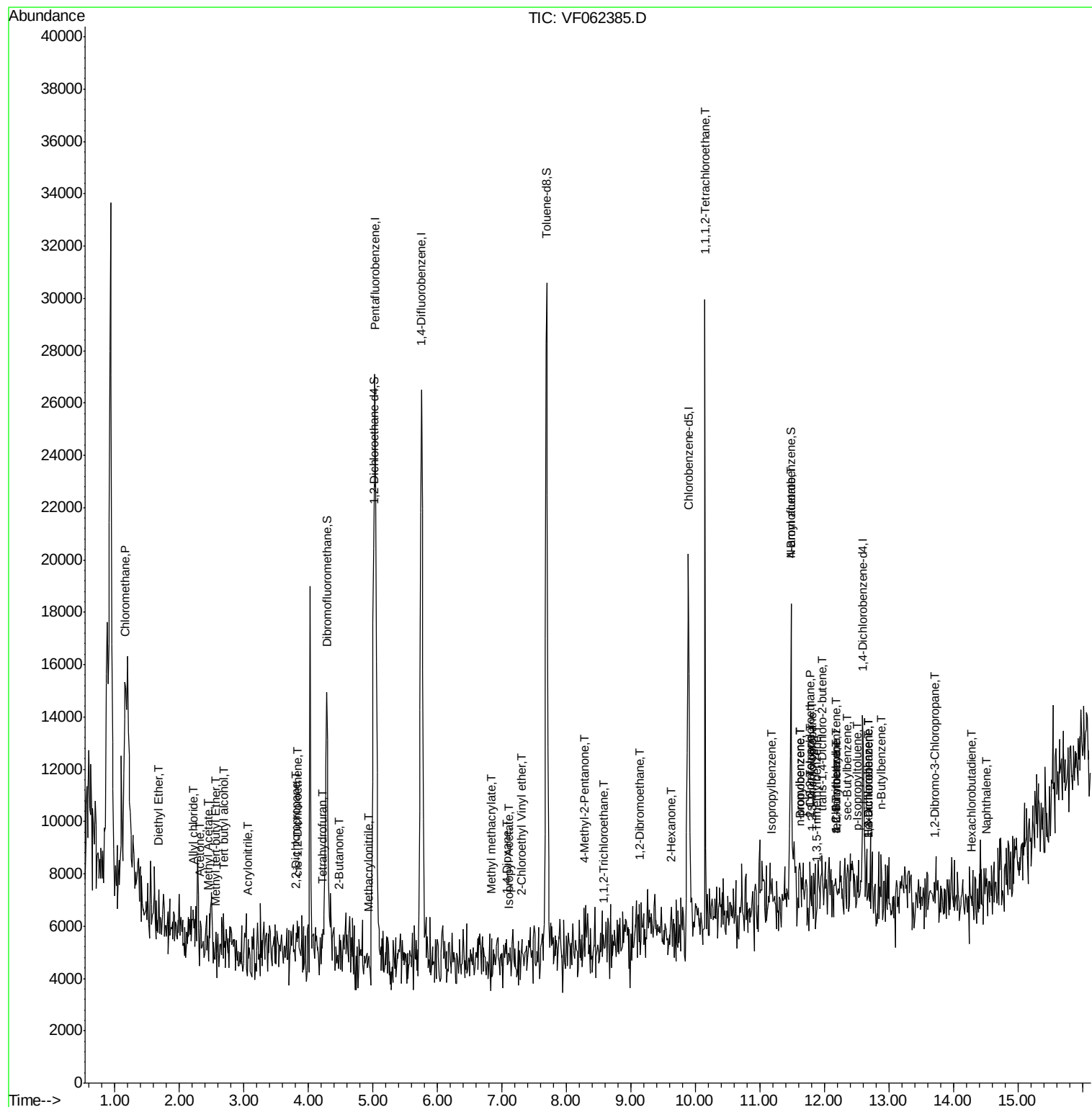
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
81) trans-1,4-Dichloro-2-buten	11.97	75	286	64.296	µg/l #	5
82) 4-Chlorotoluene	12.19	91	207	3.196	µg/l	92
83) tert-Butylbenzene	12.18	119	311	3.408	µg/l	93
84) 1,2,4-Trimethylbenzene	12.18	105	148	1.742	µg/l #	31
85) sec-Butylbenzene	12.37	105	235	2.116	µg/l	84
86) p-Isopropyltoluene	12.51	119	186	1.802	µg/l #	50
87) 1,3-Dichlorobenzene	12.69	146	64	1.348	µg/l #	25
88) 1,4-Dichlorobenzene	12.69	146	64	1.397	µg/l #	25
89) n-Butylbenzene	12.88	91	176	1.917	µg/l #	29
90) Hexachloroethane	12.69	117	73	2.833	µg/l	72
92) 1,2-Dibromo-3-Chloropropan	13.70	75	128	36.835	µg/l #	1
94) Hexachlorobutadiene	14.28	225	65	2.116	µg/l #	37
95) Naphthalene	14.53	128	69	1.113	µg/l #	69

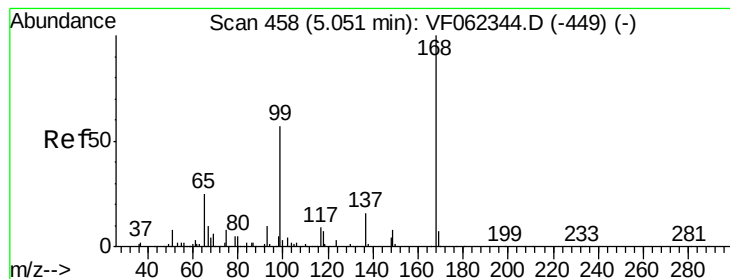
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: May 09 05:02:52 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.03 min Scan# 457

Delta R.T. -0.02 min

Lab File: VF062385.D

Acq: 8 May 2019 18:56

Instrument :

MSVOA_F

ClientSampleId :

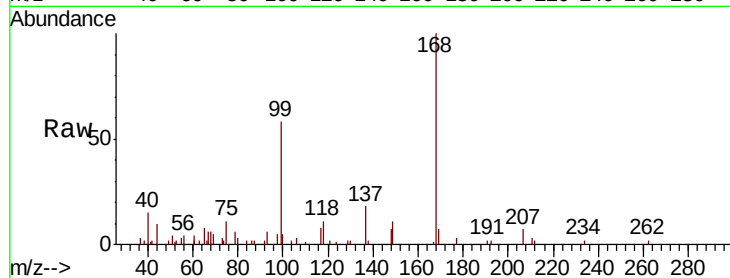
SB-07-1.5-2.0RE

Tot Ion:168 Resp: 20256

Ion Ratio Lower Upper

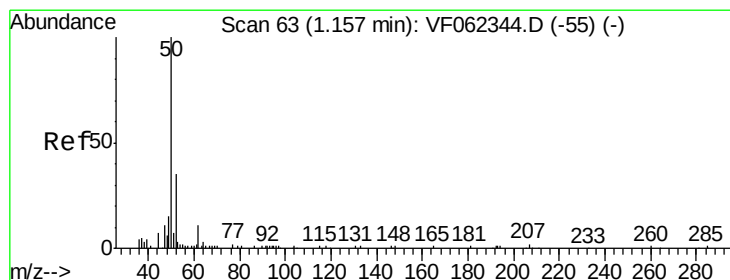
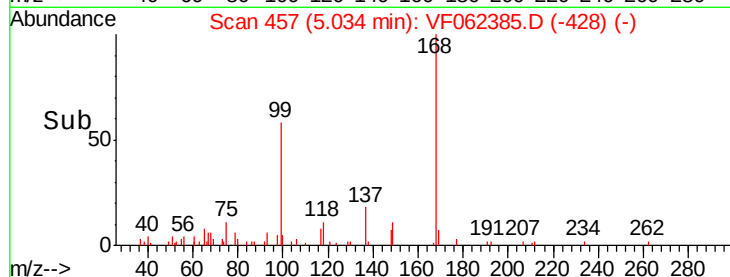
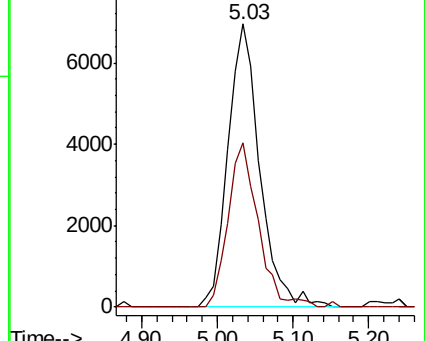
168 100

99 58.0 45.9 68.9



Abundance Ion 167.90 (167.60 to 168.60): VF0

Ion 98.90 (98.60 to 99.60): VF0



#3

Chloromethane

Concen: 5.252 ug/l

RT: 1.17 min Scan# 65

Delta R.T. 0.01 min

Lab File: VF062385.D

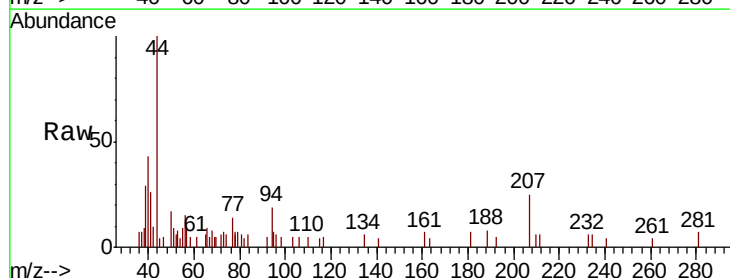
Acq: 8 May 2019 18:56

Tgt Ion: 50 Resp: 812

Ion Ratio Lower Upper

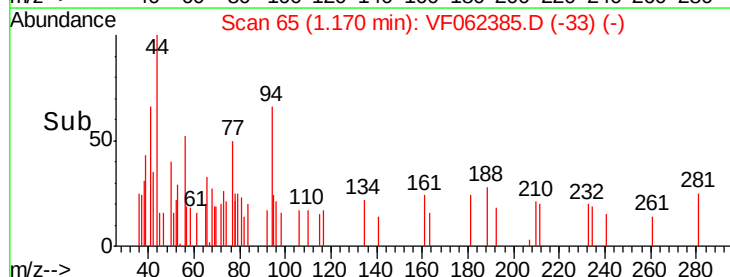
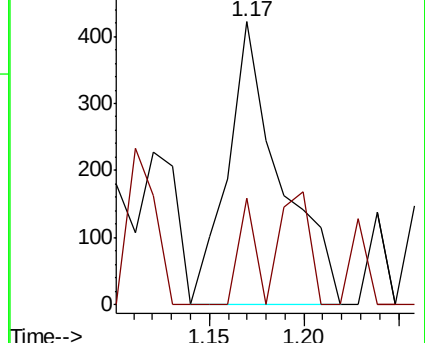
50 100

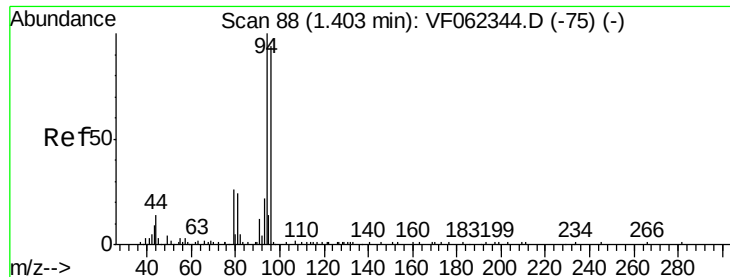
52 37.4 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VF0

Ion 51.90 (51.60 to 52.60): VF0





#5

Bromomethane

Concen: Below Cal

RT: 1.42 min Scan# 90

Delta R.T. 0.01 min

Lab File: VF062385.D

Acq: 8 May 2019 18:56

Instrument :

MSVOA_F

ClientSampleId :

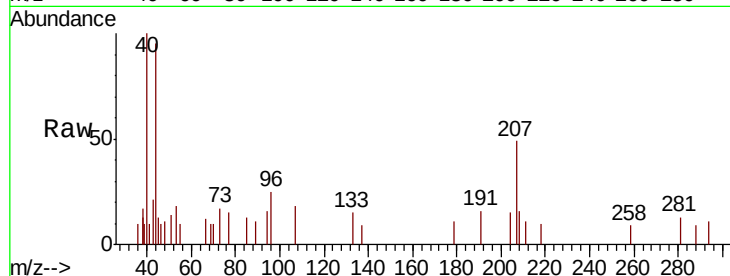
SB-07-1.5-2.0RE

Tot Ion: 94 Resp: 173

Ion Ratio Lower Upper

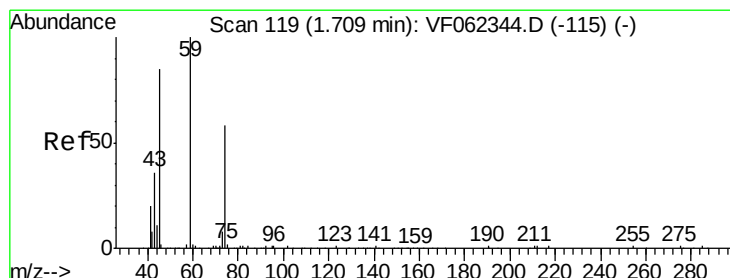
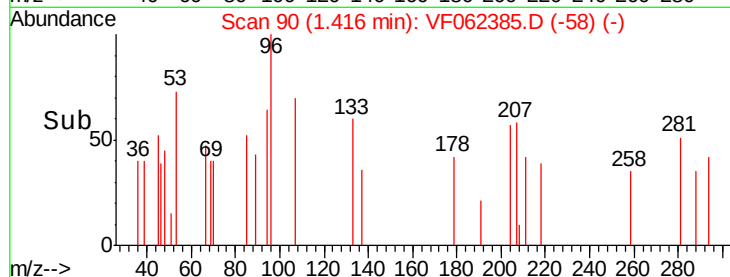
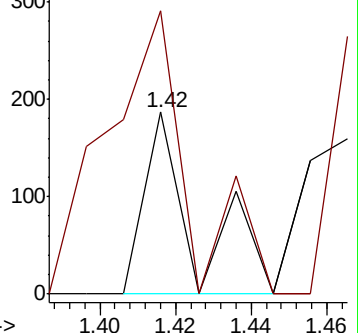
94 100

96 155.6 75.4 113.2#



Abundance Ion 93.90 (93.60 to 94.60): VF0

Ion 95.90 (95.60 to 96.60): VF0



#8

Diethyl Ether

Concen: 1.983 ug/l

RT: 1.69 min Scan# 118

Delta R.T. -0.02 min

Lab File: VF062385.D

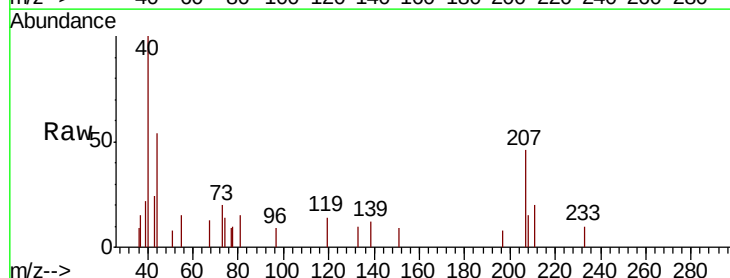
Acq: 8 May 2019 18:56

Tgt Ion: 74 Resp: 96

Ion Ratio Lower Upper

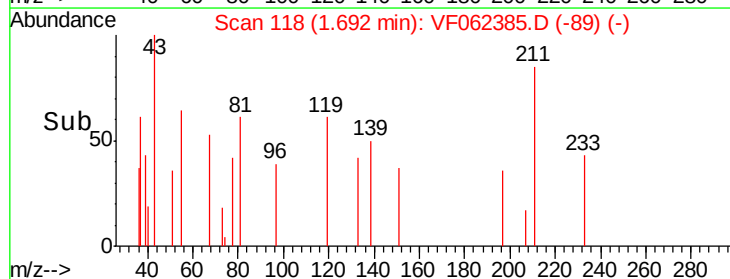
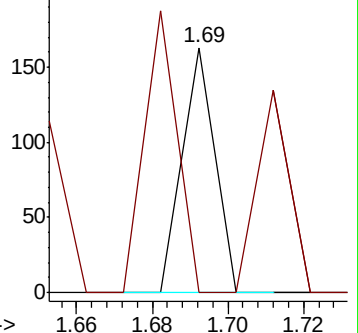
74 100

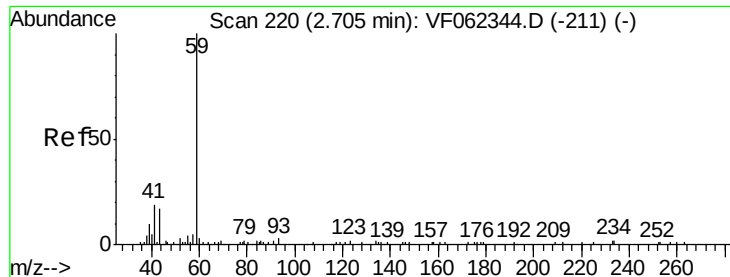
45 115.6 73.9 221.6



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0

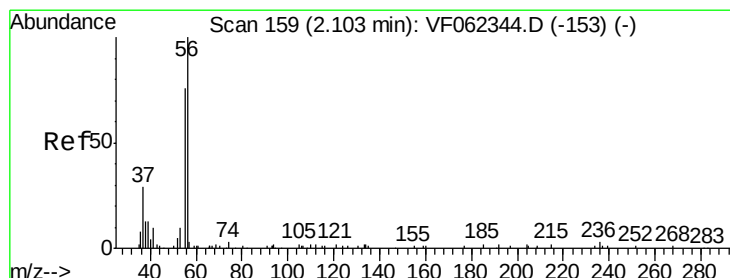
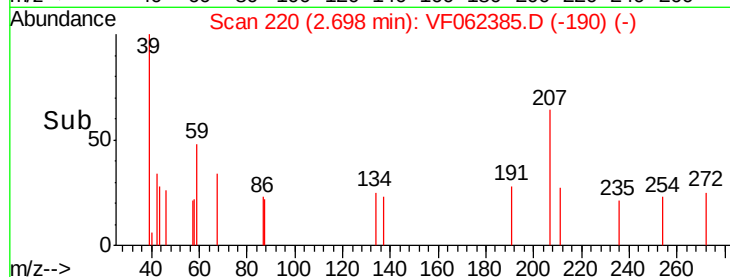
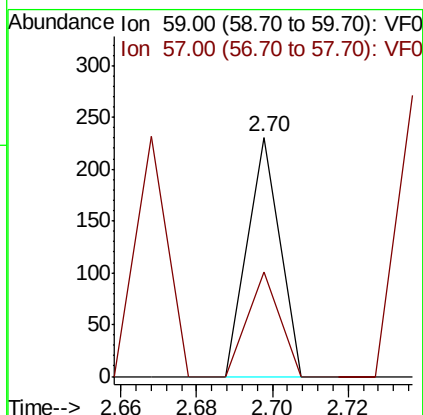
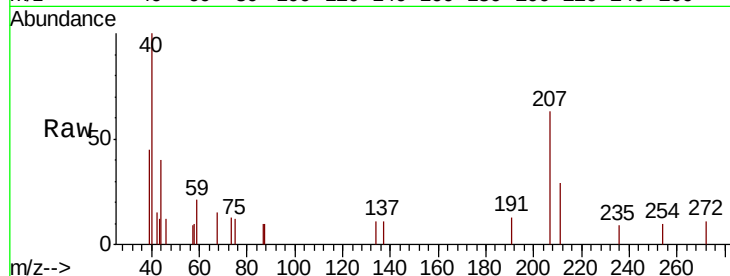




#11
Tert butyl alcohol
Concen: 12.663 ug/l
RT: 2.70 min Scan# 220
Delta R.T. -0.01 min
Lab File: VF062385.D
Acq: 8 May 2019 18:56

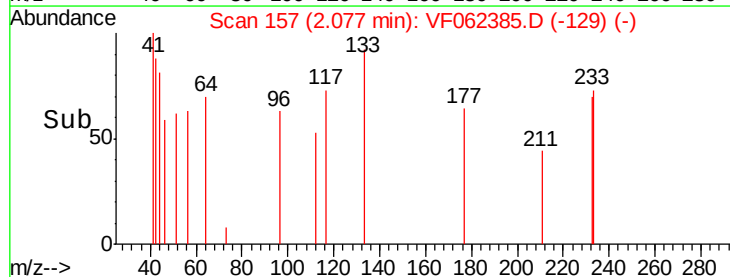
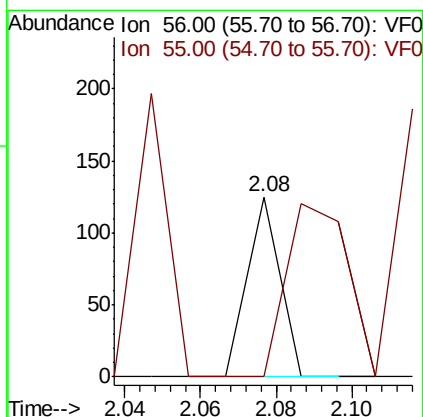
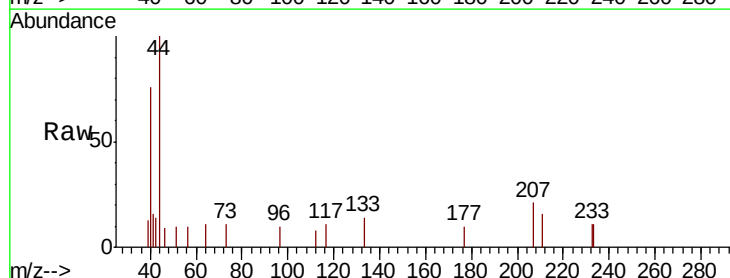
Instrument :
MSVOA_F
ClientSampleId :
SB-07-1.5-2.0RE

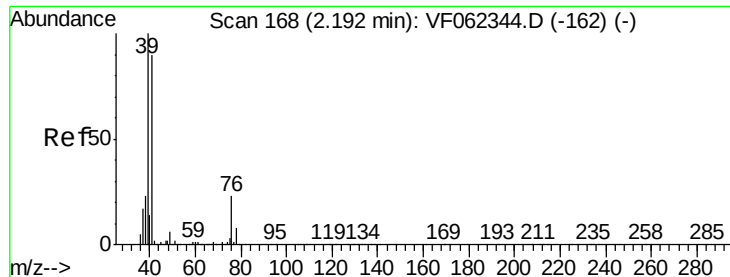
Tot Ion: 59 Resp: 137
Ion Ratio Lower Upper
59 100
57 43.8 9.3 13.9#



#13
Acrolein
Concen: Below Cal
RT: 2.08 min Scan# 157
Delta R.T. -0.03 min
Lab File: VF062385.D
Acq: 8 May 2019 18:56

Tgt Ion: 56 Resp: 74
Ion Ratio Lower Upper
56 100
55 182.4 58.4 87.6#

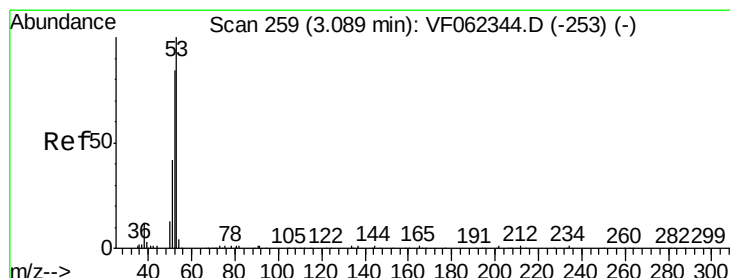
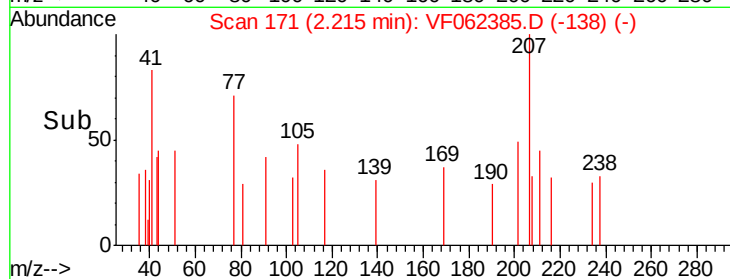
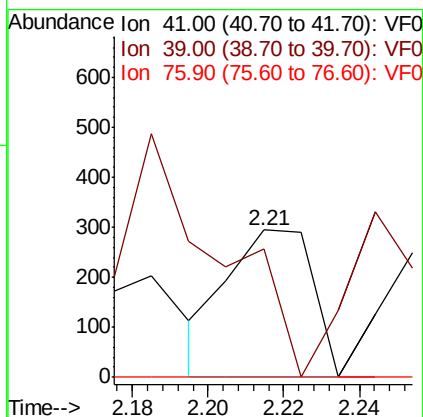
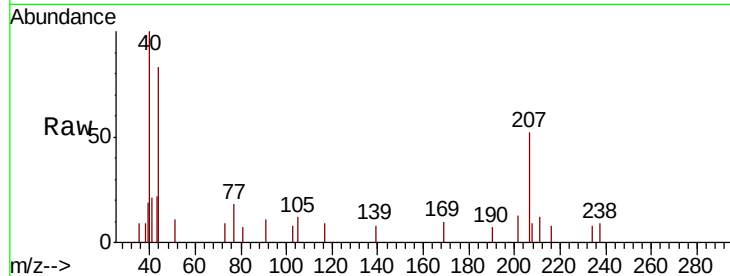




#14
Allvl chloride
Concen: 3.346 ug/l
RT: 2.21 min Scan# 171
Delta R.T. 0.02 min
Lab File: VF062385.D
Acq: 8 May 2019 18:56

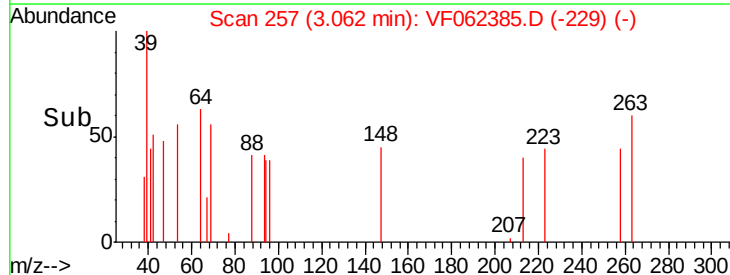
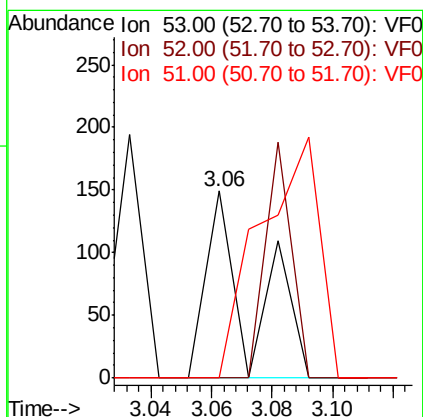
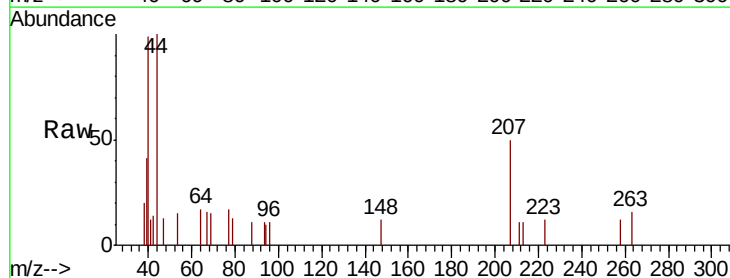
Instrument :
MSVOA_F
ClientSampled :
SB-07-1.5-2.0RE

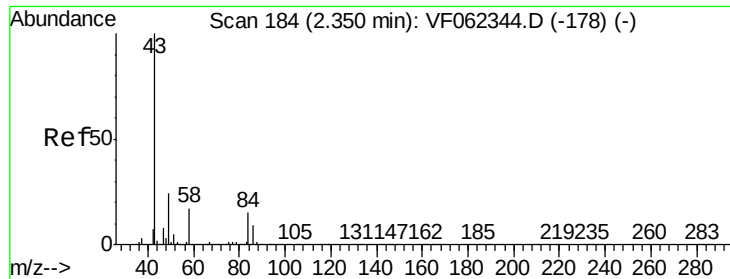
Tot Ion: 41 Resp: 459
Ion Ratio Lower Upper
41 100
39 0.0 90.8 136.2#
76 0.0 22.2 33.4#



#15
Acrylonitrile
Concen: 7.466 ug/l
RT: 3.06 min Scan# 257
Delta R.T. -0.03 min
Lab File: VF062385.D
Acq: 8 May 2019 18:56

Tgt Ion: 53 Resp: 153
Ion Ratio Lower Upper
53 100
52 0.0 77.2 115.8#
51 0.0 40.6 61.0#





#16

Acetone

Concen: 11.001 ug/l

RT: 2.32 min Scan# 182

Delta R.T. -0.03 min

Lab File: VF062385.D

Acq: 8 May 2019 18:56

Instrument :

MSVOA_F

ClientSampleId :

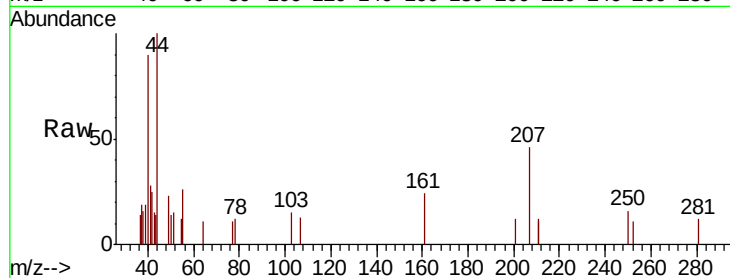
SB-07-1.5-2.0RE

Tot Ion: 43 Resp: 426

Ion Ratio Lower Upper

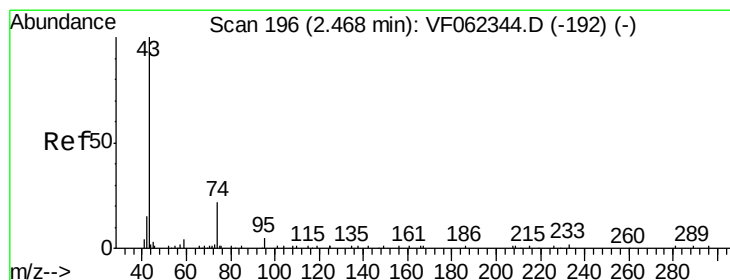
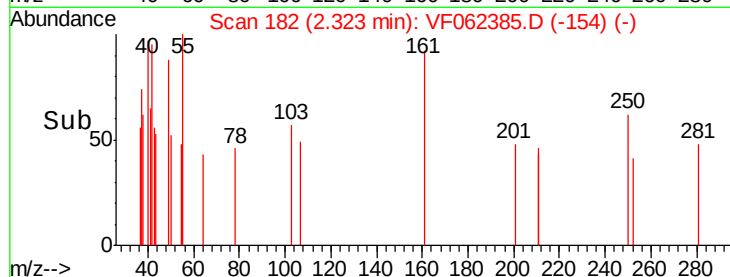
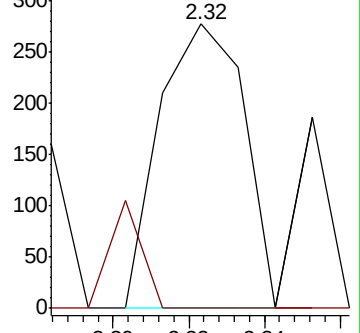
43 100

58 0.0 13.1 19.7#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#18

Methyl Acetate

Concen: 2.233 ug/l

RT: 2.44 min Scan# 194

Delta R.T. -0.03 min

Lab File: VF062385.D

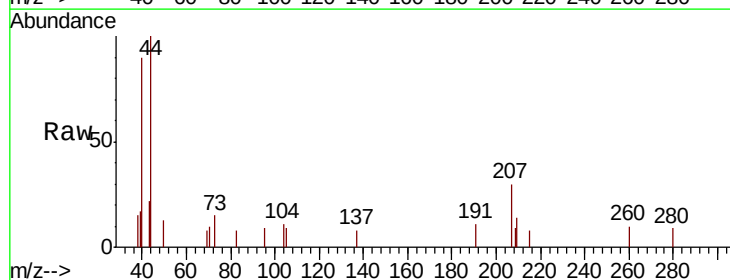
Acq: 8 May 2019 18:56

Tgt Ion: 43 Resp: 369

Ion Ratio Lower Upper

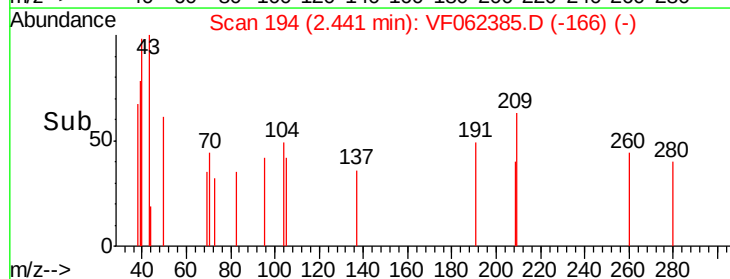
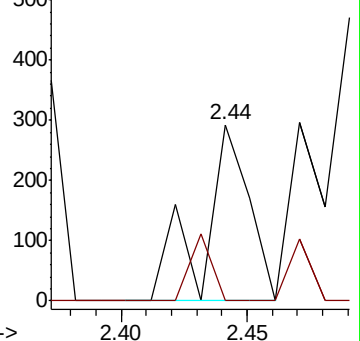
43 100

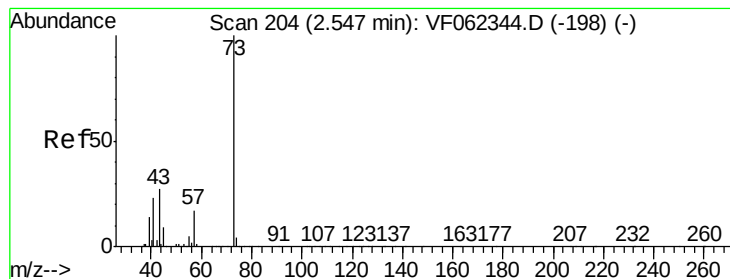
74 17.9 15.0 22.4



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0



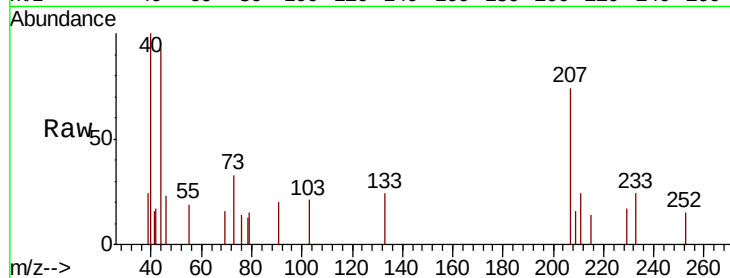


#19

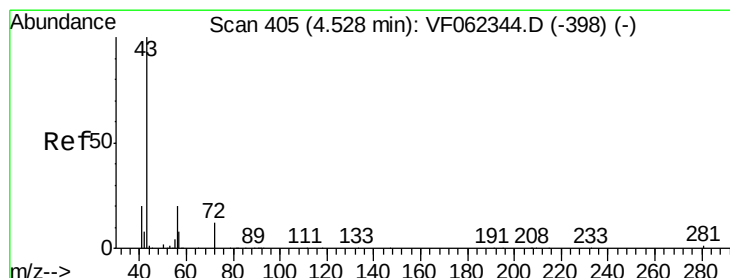
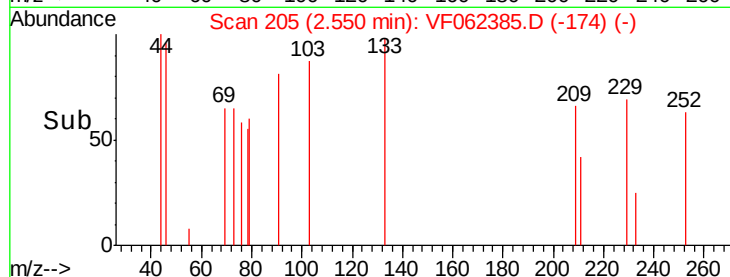
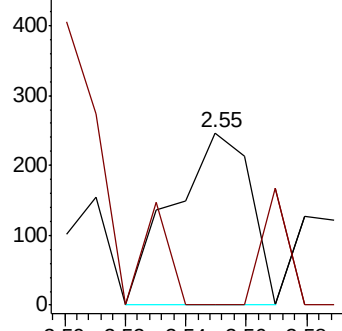
Methyl tert-butyl Ether
 Concen: 1.376 ug/l
 RT: 2.55 min Scan# 205
 Delta R.T. 0.00 min
 Lab File: VF062385.D
 Acq: 8 May 2019 18:56

Instrument :
 MSVOA_F
 ClientSampleId :
 SB-07-1.5-2.0RE

Tot Ion: 73 Resp: 441
 Ion Ratio Lower Upper
 73 100
 57 0.0 13.7 20.5#



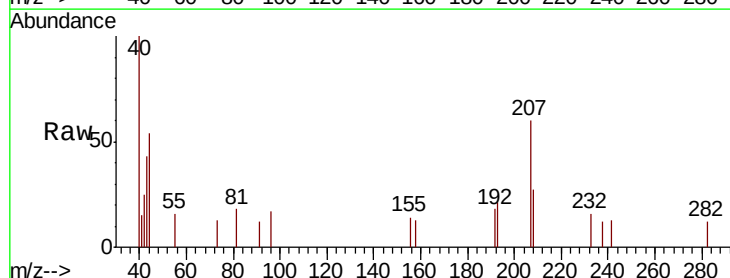
Abundance Ion 73.00 (72.70 to 73.70): VF0
 Ion 57.00 (56.70 to 57.70): VF0



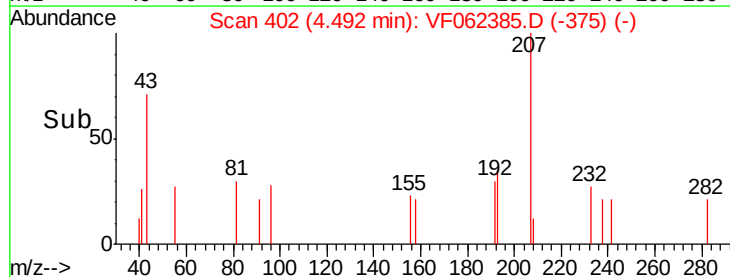
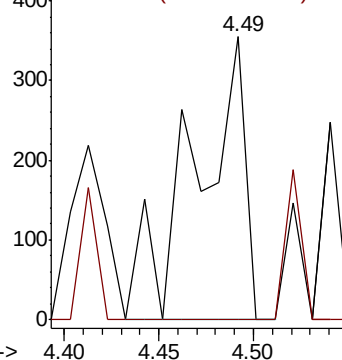
#25

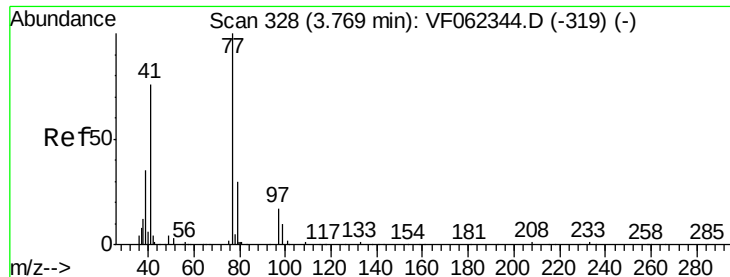
2-Butanone
 Concen: 13.443 ug/l
 RT: 4.49 min Scan# 402
 Delta R.T. -0.04 min
 Lab File: VF062385.D
 Acq: 8 May 2019 18:56

Tgt Ion: 43 Resp: 654
 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

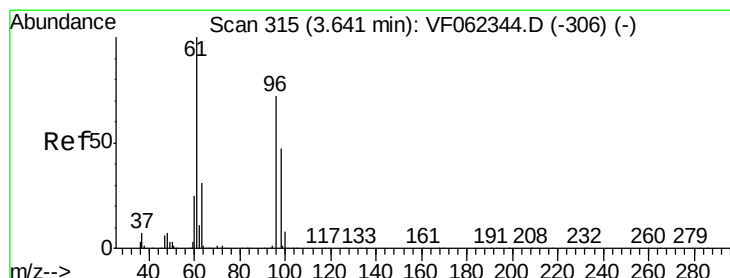
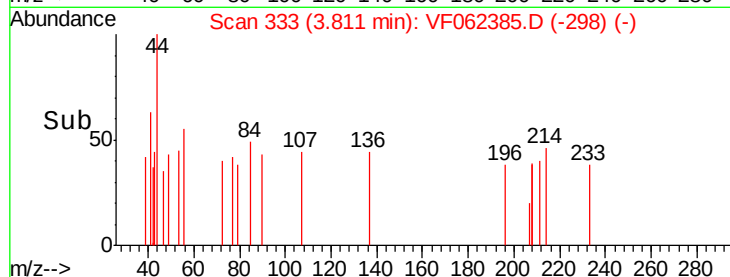
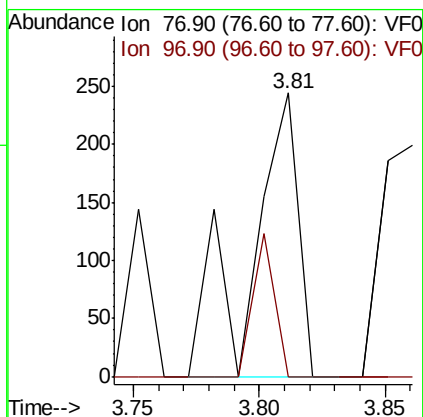
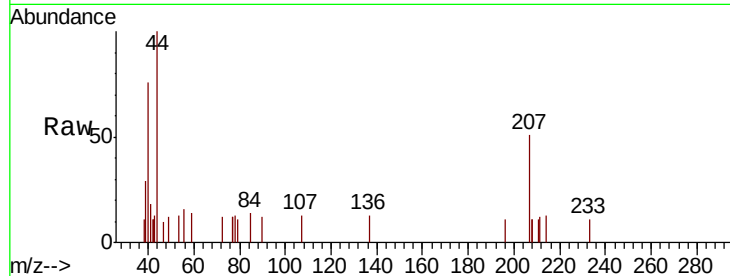




#26
 2,2-Dichloropropane
 Concen: 2.218 ug/l
 RT: 3.81 min Scan# 333
 Delta R.T. 0.04 min
 Lab File: VF062385.D
 Acq: 8 May 2019 18:56

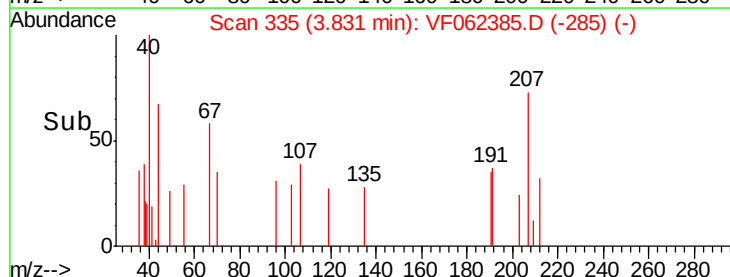
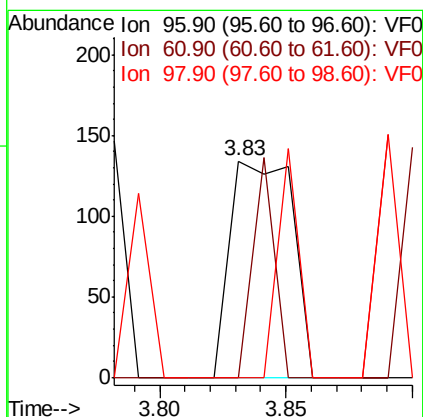
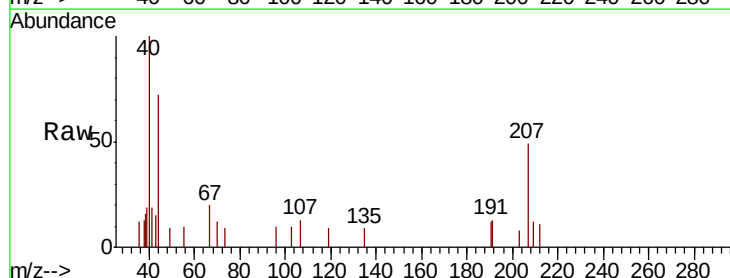
Instrument :
 MSVOA_F
 ClientSampleId :
 SB-07-1.5-2.0RE

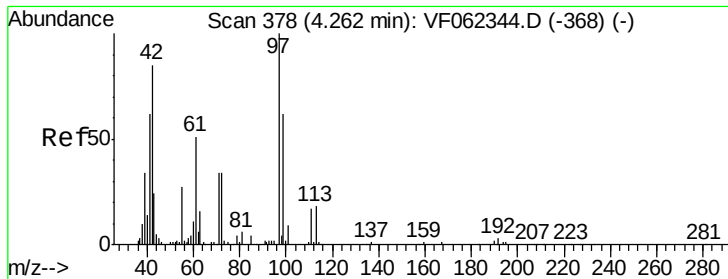
Tot Ion: 77 Resp: 321
 Ion Ratio Lower Upper
 77 100
 97 22.7 9.5 28.5



#27
 cis-1,2-Dichloroethene
 Concen: 1.249 ug/l
 RT: 3.83 min Scan# 335
 Delta R.T. 0.19 min
 Lab File: VF062385.D
 Acq: 8 May 2019 18:56

Tgt Ion: 96 Resp: 231
 Ion Ratio Lower Upper
 96 100
 61 34.6 0.0 263.0
 98 36.4 0.0 130.8





#29

Tetrahydrofuran

Concen: 13.775 ug/l

RT: 4.23 min Scan# 375

Delta R.T. -0.04 min

Lab File: VF062385.D

Acq: 8 May 2019 18:56

Instrument :

MSVOA_F

ClientSampleId :

SB-07-1.5-2.0RE

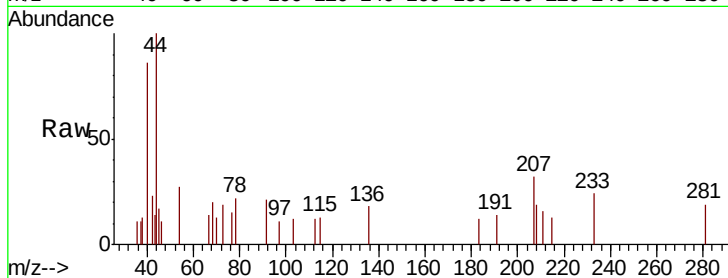
Tot Ion: 42 Resp: 308

Ion Ratio Lower Upper

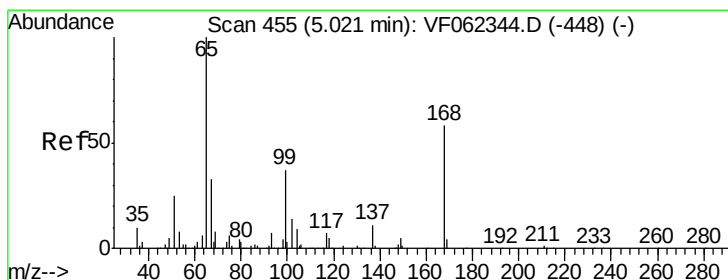
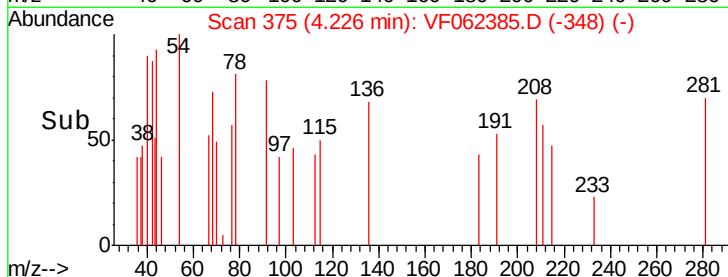
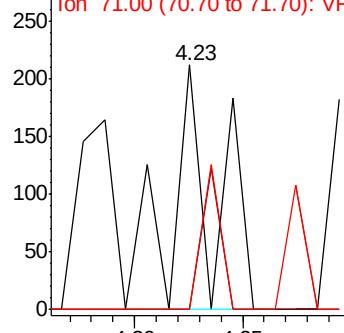
42 100

72 23.4 31.4 47.0#

71 24.4 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



#33

1,2-Dichloroethane-d4

Concen: 29.447 ug/l

RT: 5.00 min Scan# 454

Delta R.T. -0.02 min

Lab File: VF062385.D

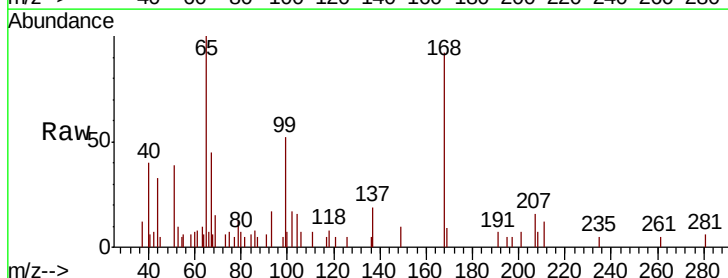
Acq: 8 May 2019 18:56

Tgt Ion: 65 Resp: 5637

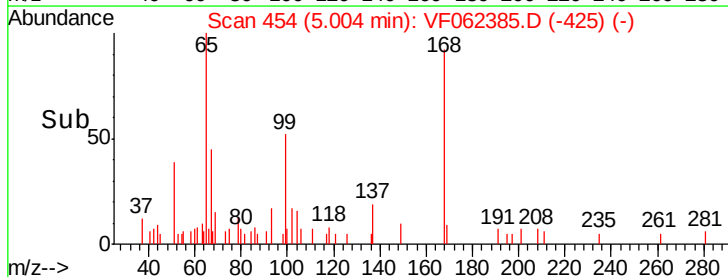
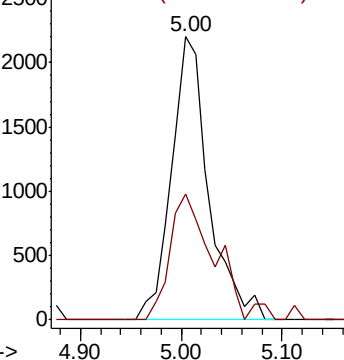
Ion Ratio Lower Upper

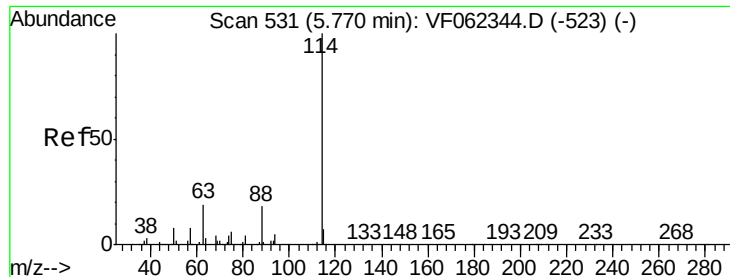
65 100

67 50.8 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: 5.75 min Scan# 530

Delta R.T. -0.02 min

Lab File: VF062385.D

Acq: 8 May 2019 18:56

Instrument :

MSVOA_F

ClientSampleId :

SB-07-1.5-2.0RE

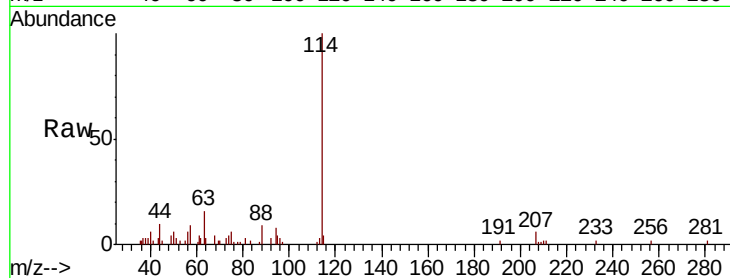
Tot Ion:114 Resp: 23409

Ion Ratio Lower Upper

114 100

63 16.4 0.0 37.4

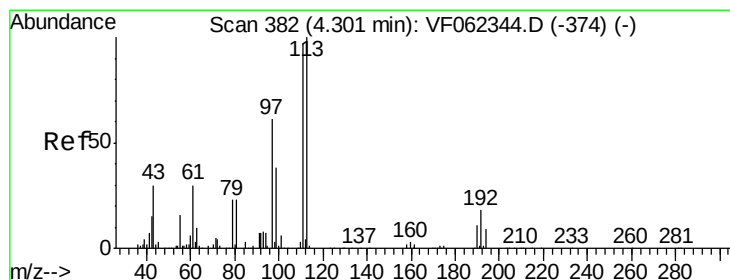
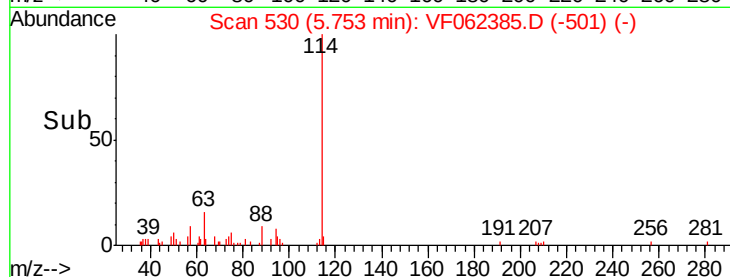
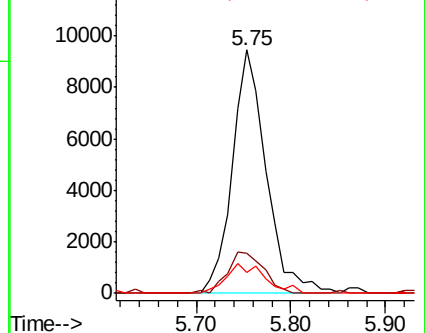
88 8.7 0.0 36.4



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: 46.291 ug/l

RT: 4.29 min Scan# 382

Delta R.T. -0.01 min

Lab File: VF062385.D

Acq: 8 May 2019 18:56

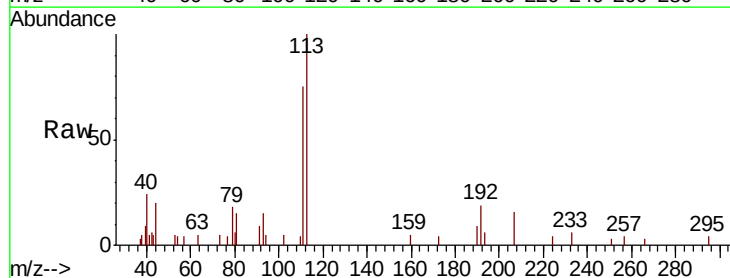
Tgt Ion:113 Resp: 8633

Ion Ratio Lower Upper

113 100

111 96.0 79.4 119.0

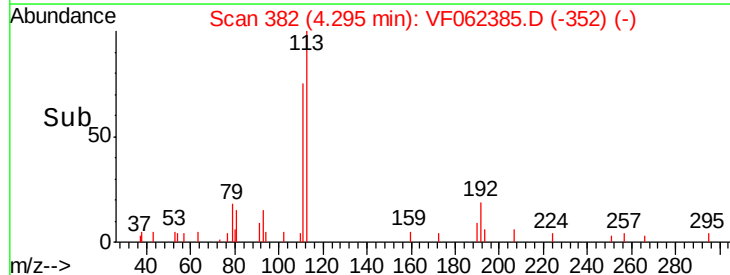
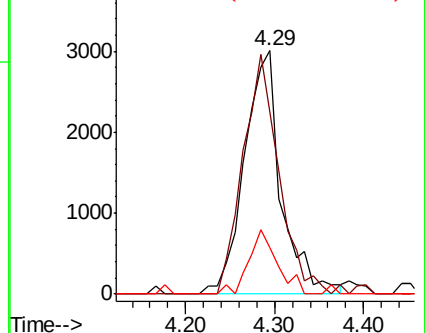
192 20.3 16.0 24.0

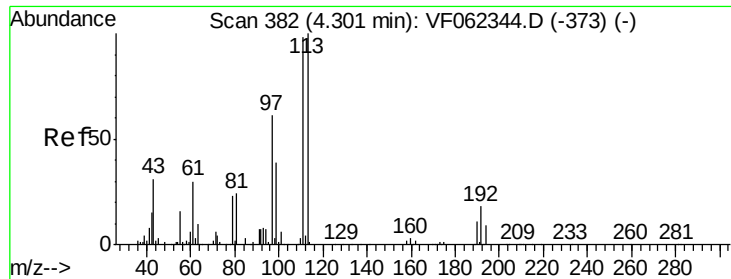


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

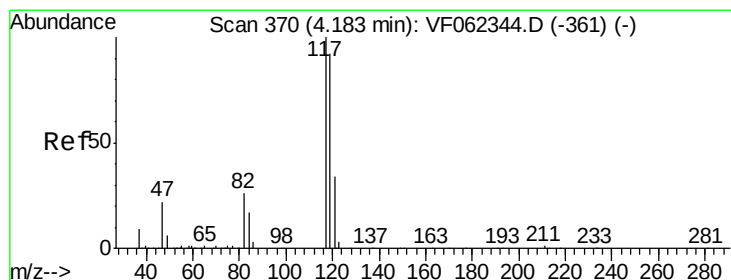
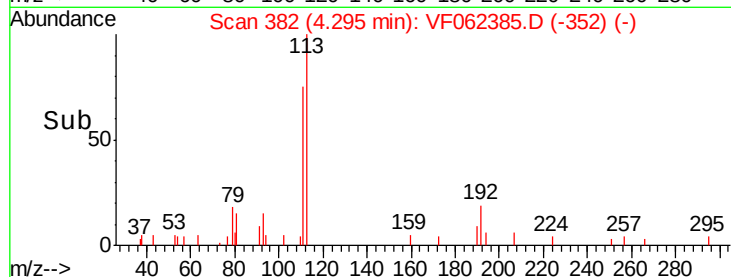
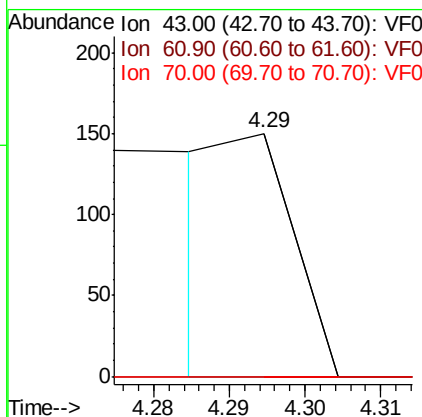
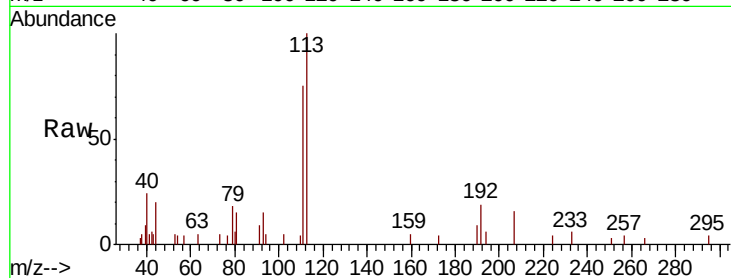




#37
Ethyl Acetate
Concen: Below Cal
RT: 4.29 min Scan# 382
Delta R.T. -0.01 min
Lab File: VF062385.D
Acq: 8 May 2019 18:56

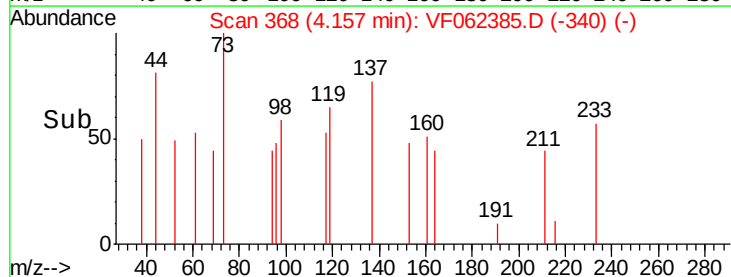
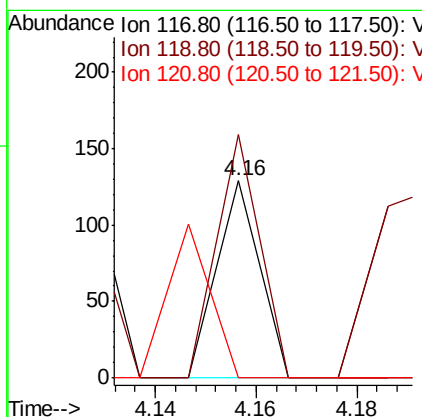
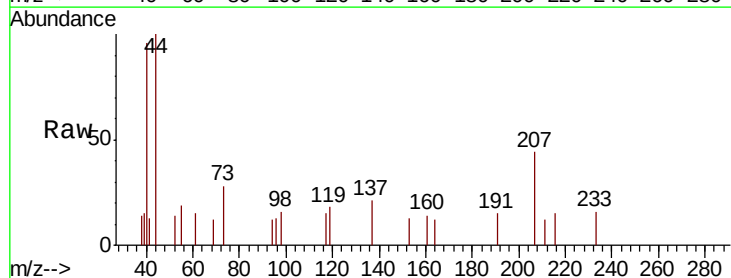
Instrument :
MSVOA_F
ClientSampleId :
SB-07-1.5-2.0RE

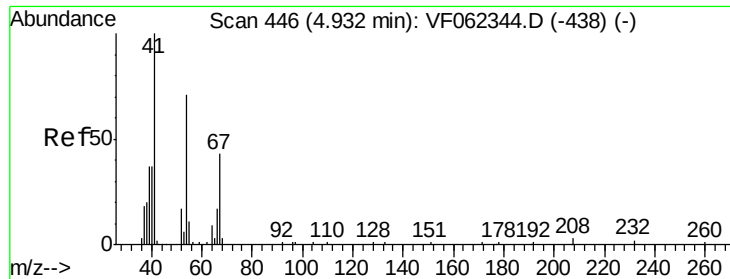
Tot Ion	43	Ratio	Lower	Upper
43	100			
61	0.0	0.0	0.0	
70	0.0	8.2	12.2	



#38
Carbon Tetrachloride
Concen: Below Cal
RT: 4.16 min Scan# 368
Delta R.T. -0.03 min
Lab File: VF062385.D
Acq: 8 May 2019 18:56

Tgt Ion	117	Ratio	Lower	Upper
117	100			
119	123.3	73.4	110.2	
121	0.0	27.4	41.0	





#41

Methacrylonitrile

Concen: 12.755 ug/l

RT: 4.93 min Scan# 446

Delta R.T. -0.01 min

Lab File: VF062385.D

Acq: 8 May 2019 18:56

Instrument :

MSVOA_F

ClientSampleId :

SB-07-1.5-2.0RE

Tot Ion: 41 Resp: 615

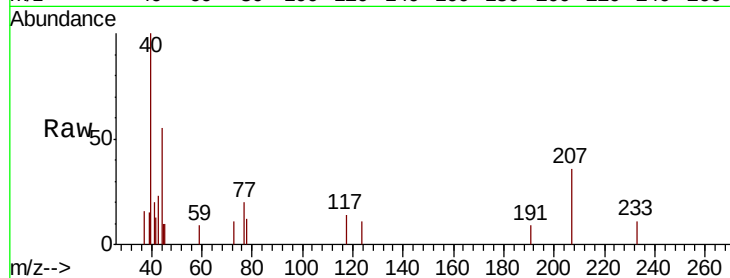
Ion Ratio Lower Upper

41 100

39 33.8 54.3 81.5#

67 0.0 37.8 56.8#

52 0.0 58.2 87.4#

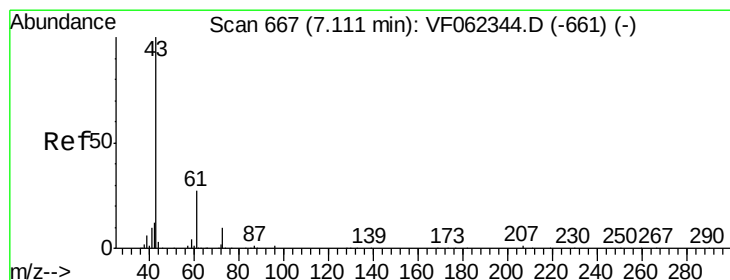
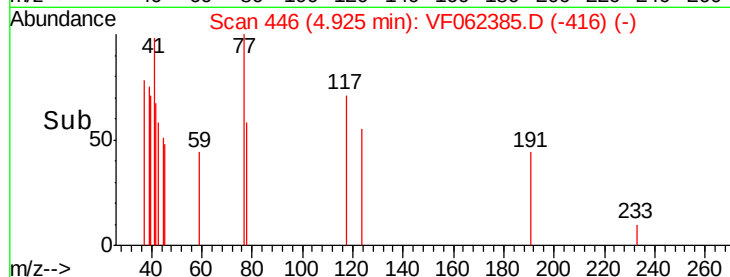
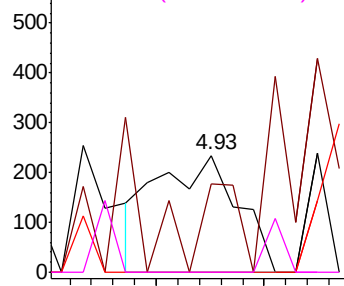


Abundance Ion 41.00 (40.70 to 41.70): VF0

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



#43

Isopropyl Acetate

Concen: 11.797 ug/l

RT: 7.10 min Scan# 667

Delta R.T. -0.01 min

Lab File: VF062385.D

Acq: 8 May 2019 18:56

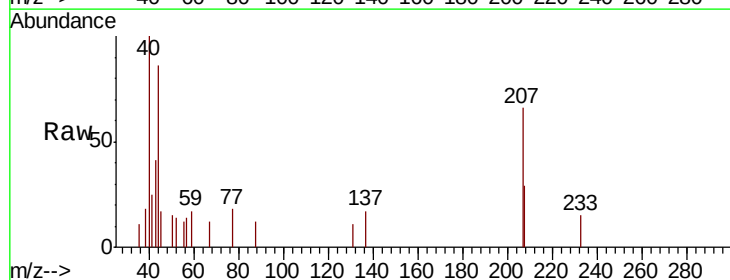
Tgt Ion: 43 Resp: 1079

Ion Ratio Lower Upper

43 100

61 7.6 22.8 34.2#

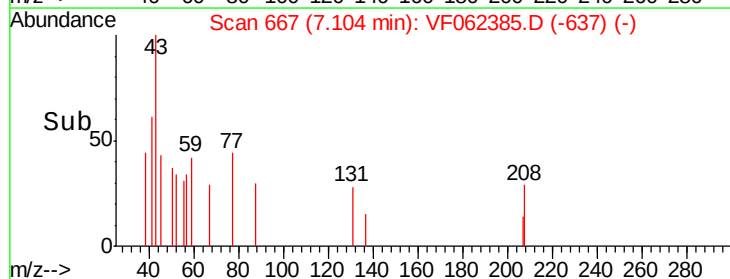
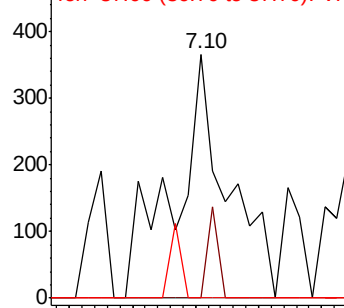
87 0.0 0.6 1.0#

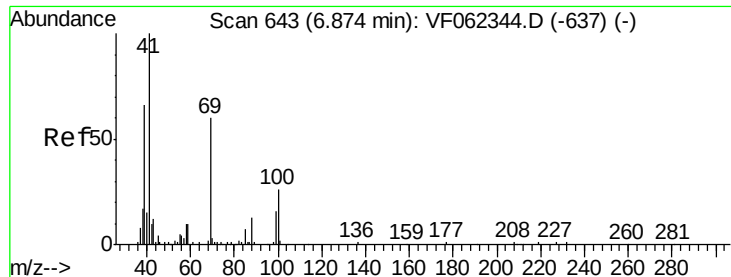


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

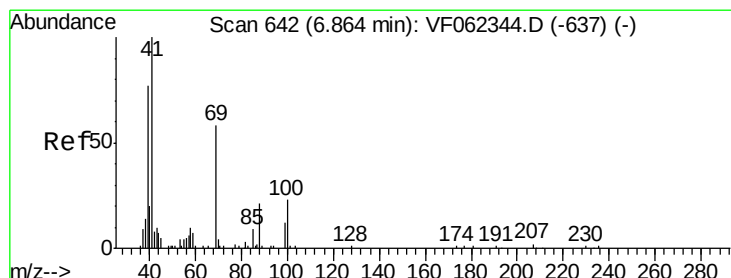
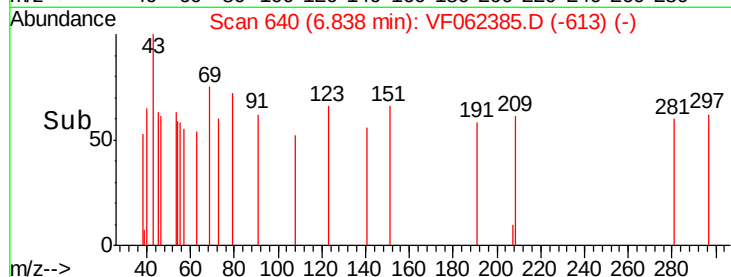
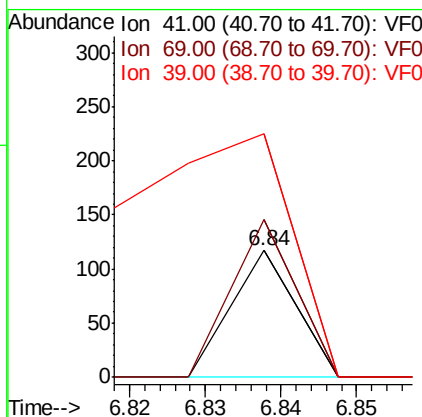
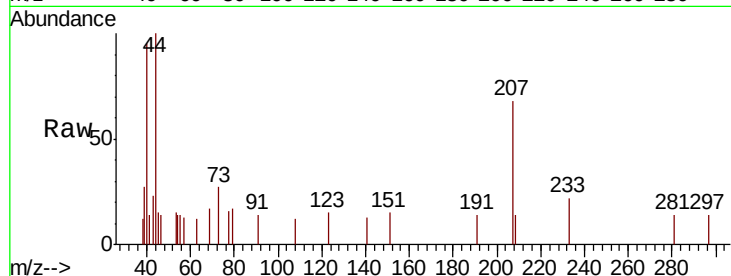




#48
Methyl methacrylate
Concen: 1.067 ug/l
RT: 6.84 min Scan# 640
Delta R.T. -0.04 min
Lab File: VF062385.D
Acq: 8 May 2019 18:56

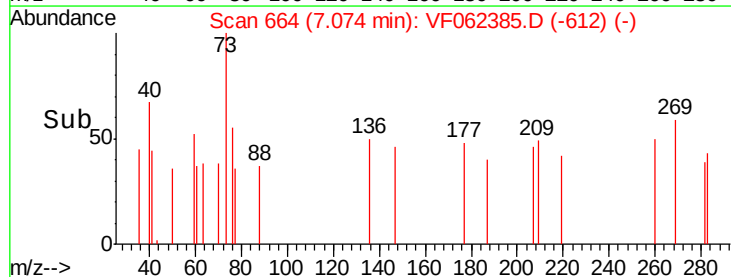
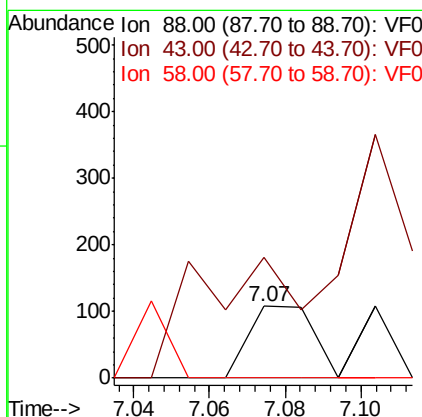
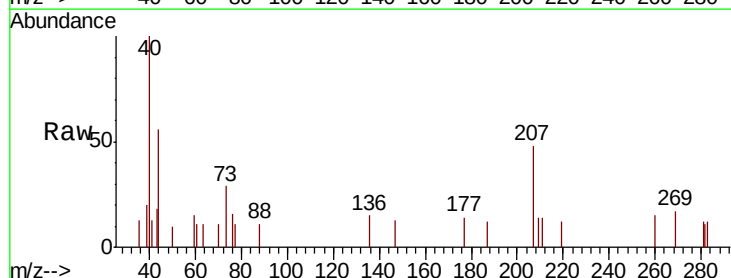
Instrument :
MSVOA_F
ClientSampleId :
SB-07-1.5-2.0RE

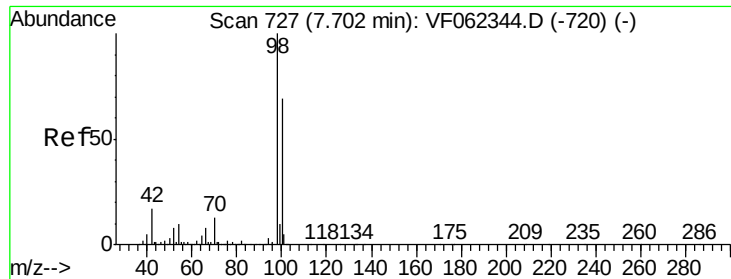
Tot Ion: 41 Resp: 69
Ion Ratio Lower Upper
41 100
69 124.6 48.6 72.8#
39 495.7 56.1 84.1#



#49
1,4-Dioxane
Concen: 180.326 ug/l
RT: 7.07 min Scan# 664
Delta R.T. 0.21 min
Lab File: VF062385.D
Acq: 8 May 2019 18:56

Tgt Ion: 88 Resp: 127
Ion Ratio Lower Upper
88 100
43 0.0 55.6 83.4#
58 0.0 52.8 79.2#





#50

Toluene-d8

Concen: 45.428 ug/l

RT: 7.70 min Scan# 727

Delta R.T. -0.01 min

Lab File: VF062385.D

Acq: 8 May 2019 18:56

Instrument :

MSVOA_F

ClientSampleId :

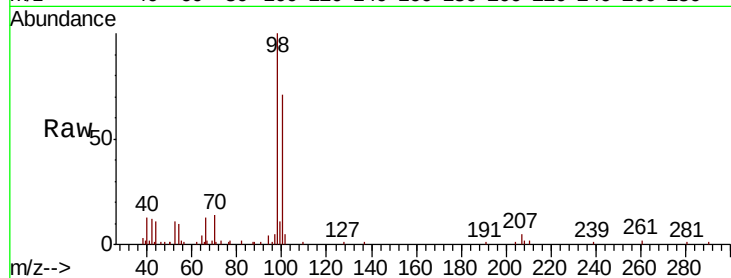
SB-07-1.5-2.0RE

Tot Ion: 98 Resp: 20508

Ion Ratio Lower Upper

98 100

100 74.0 53.3 79.9



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

7.70

10000

8000

6000

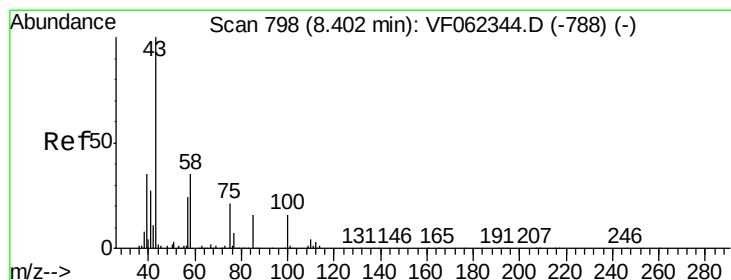
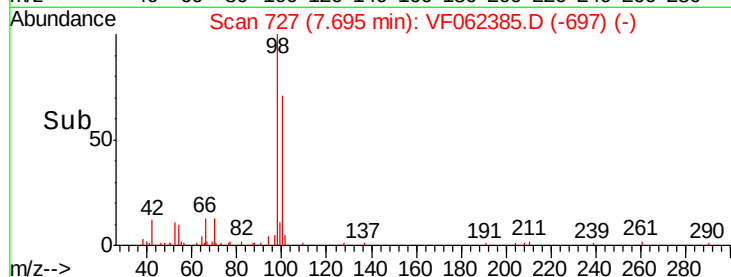
4000

2000

0

Time-->

7.60 7.70 7.80



#51

4-Methyl-2-Pentanone

Concen: 2.886 ug/l

RT: 8.27 min Scan# 785

Delta R.T. -0.14 min

Lab File: VF062385.D

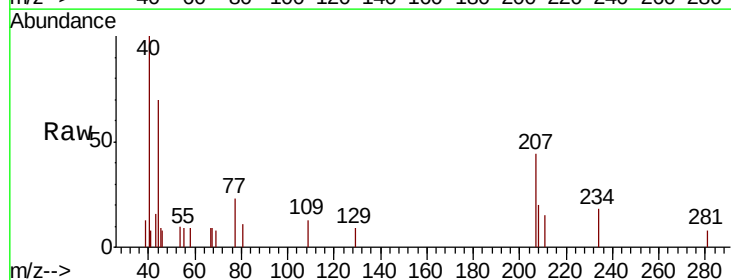
Acq: 8 May 2019 18:56

Tgt Ion: 43 Resp: 200

Ion Ratio Lower Upper

43 100

58 32.0 27.8 41.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.27

250

200

150

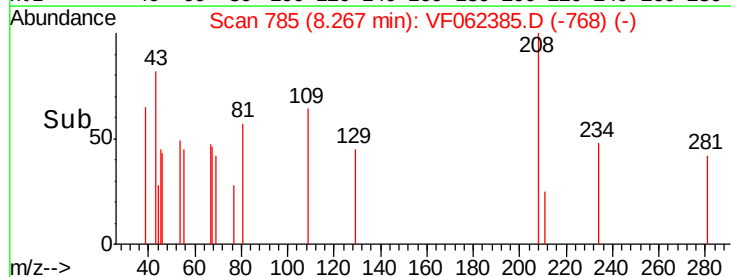
100

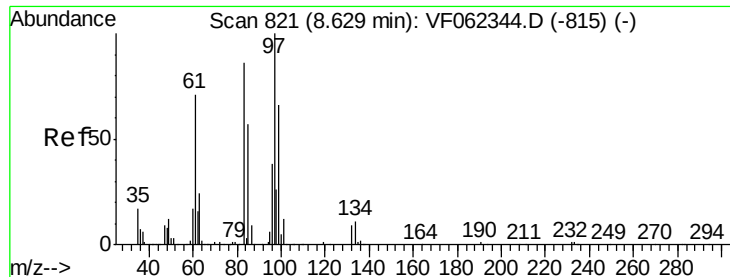
50

0

Time-->

8.26 8.28

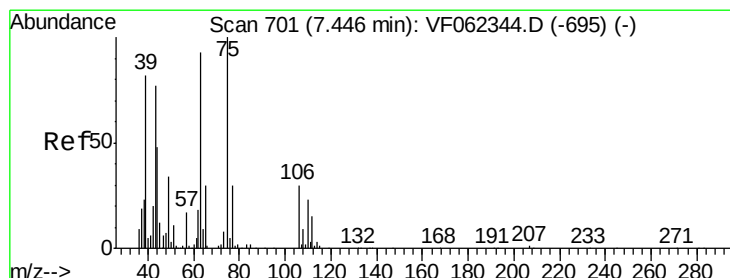
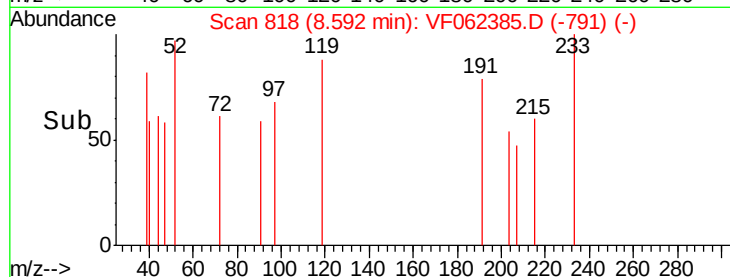
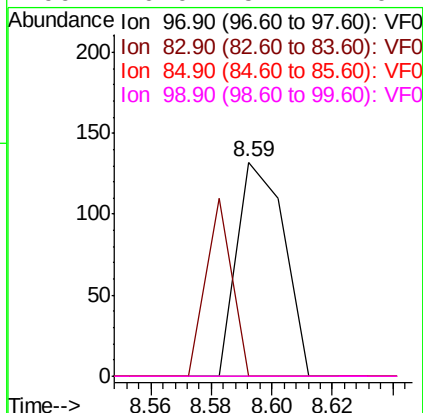
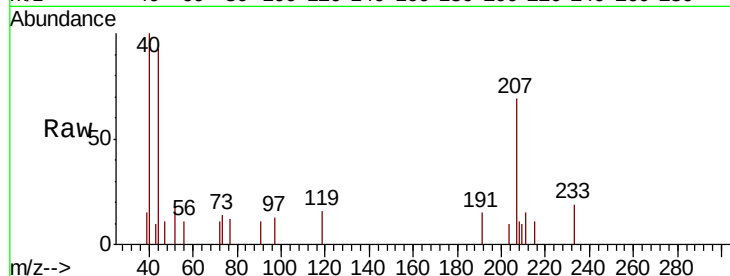




#55
 1,1,2-Trichloroethane
 Concen: 1.649 ug/l
 RT: 8.59 min Scan# 818
 Delta R.T. -0.04 min
 Lab File: VF062385.D
 Acq: 8 May 2019 18:56

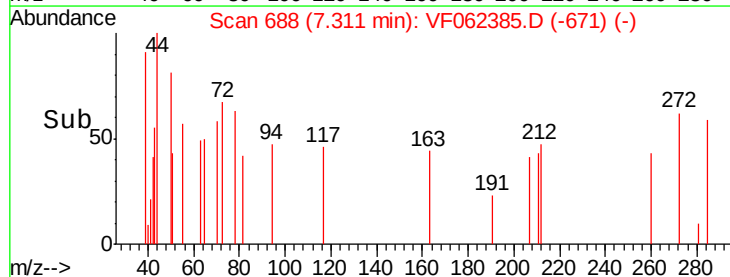
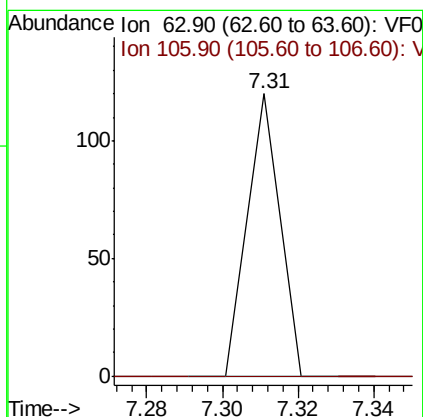
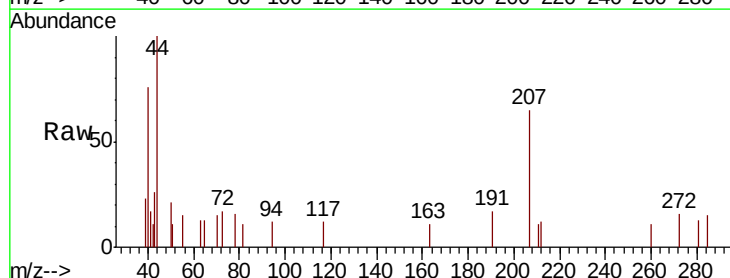
Instrument :
 MSVOA_F
 ClientSampleId :
 SB-07-1.5-2.0RE

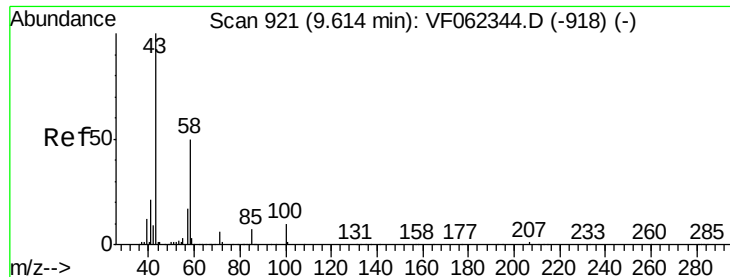
Tot Ion	Ratio	Lower	Upper
97	100		
83	0.0	68.5	102.7#
85	0.0	45.4	68.2#
99	0.0	52.7	79.1#



#58
 2-Chloroethyl Vinyl ether
 Concen: 2.580 ug/l
 RT: 7.31 min Scan# 688
 Delta R.T. -0.14 min
 Lab File: VF062385.D
 Acq: 8 May 2019 18:56

Tgt Ion	Ratio	Lower	Upper
63	100		
106	0.0	25.8	38.8#

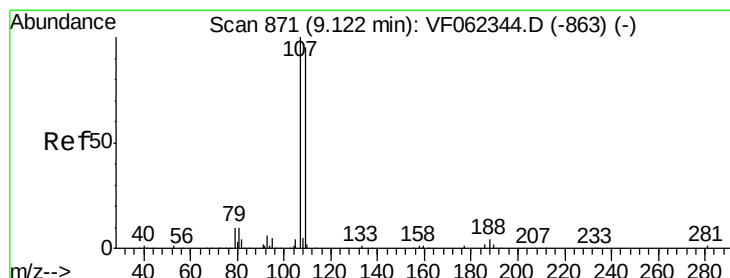
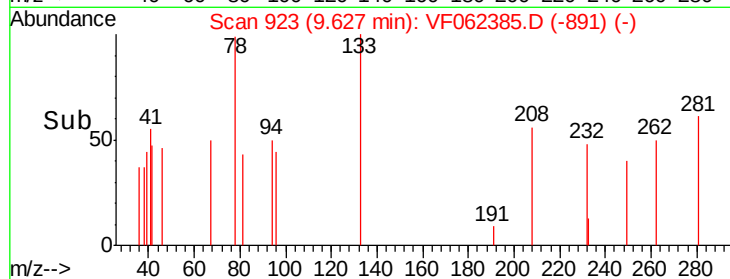
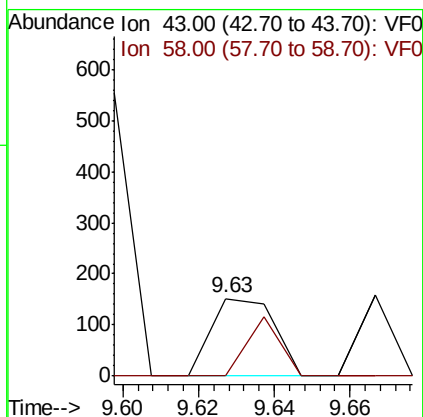
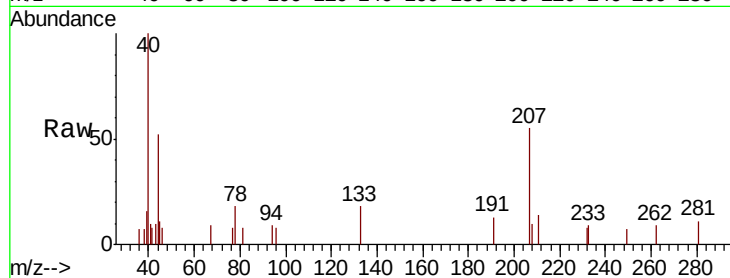




#59
2-Hexanone
Concen: 3.630 ug/l
RT: 9.63 min Scan# 923
Delta R.T. 0.01 min
Lab File: VF062385.D
Acq: 8 May 2019 18:56

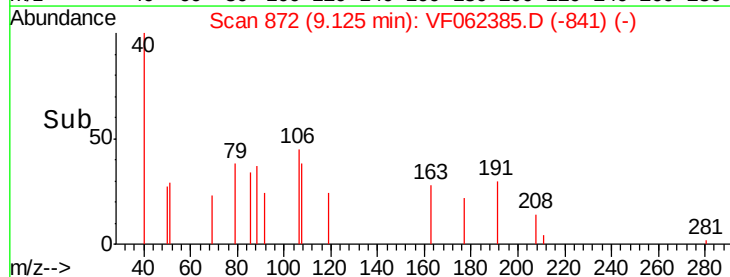
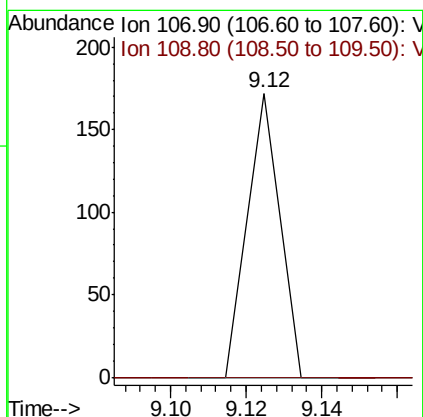
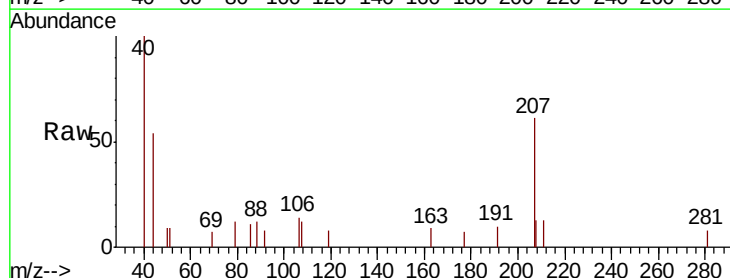
Instrument :
MSVOA_F
ClientSampleId :
SB-07-1.5-2.0RE

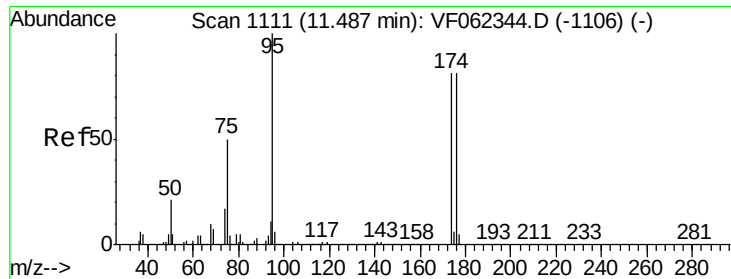
Tot Ion: 43 Resp: 174
Ion Ratio Lower Upper
43 100
58 39.7 24.3 73.0



#61
1,2-Dibromoethane
Concen: 1.001 ug/l
RT: 9.12 min Scan# 872
Delta R.T. 0.00 min
Lab File: VF062385.D
Acq: 8 May 2019 18:56

Tgt Ion:107 Resp: 102
Ion Ratio Lower Upper
107 100
109 0.0 75.2 112.8#





#62

4-Bromofluorobenzene

Concen: 17.106 ug/l

RT: 11.48 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VF062385.D

Acq: 8 May 2019 18:56

Instrument :

MSVOA_F

ClientSampleId :

SB-07-1.5-2.0RE

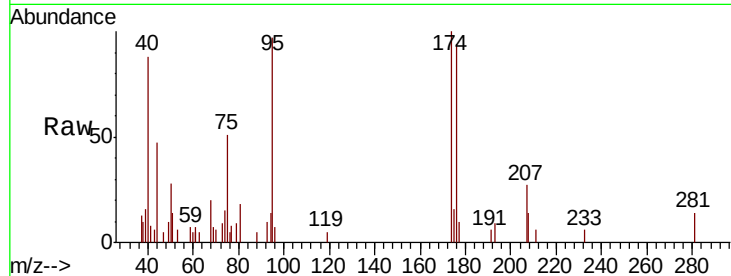
Tot Ion: 95 Resp: 3484

Ion Ratio Lower Upper

95 100

174 93.1 0.0 191.8

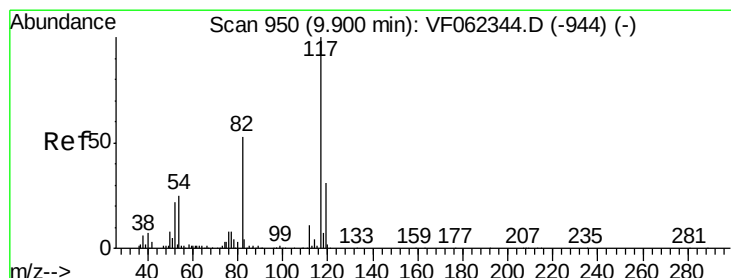
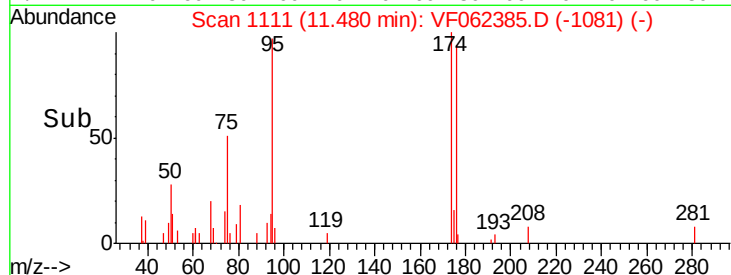
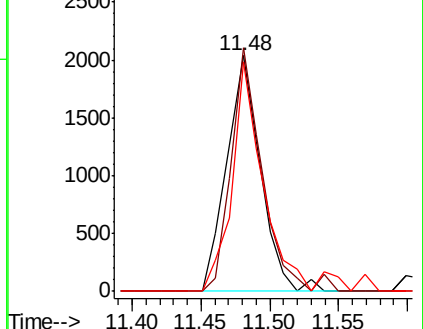
176 87.7 0.0 193.2



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: 9.89 min Scan# 950

Delta R.T. -0.01 min

Lab File: VF062385.D

Acq: 8 May 2019 18:56

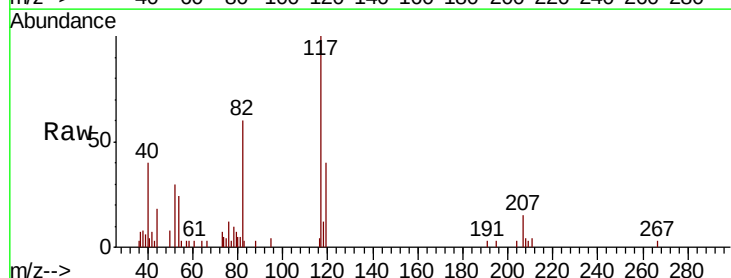
Tgt Ion: 117 Resp: 9736

Ion Ratio Lower Upper

117 100

82 59.9 42.2 63.2

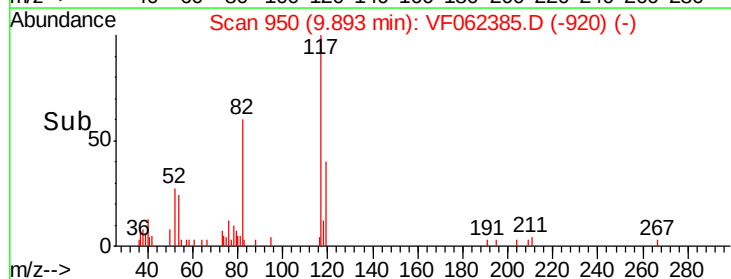
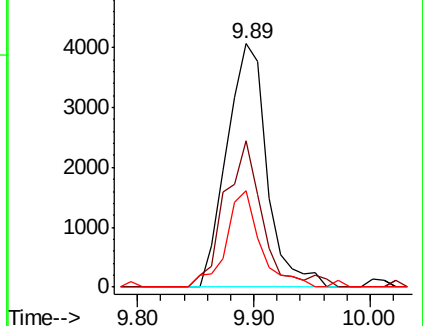
119 39.6 25.0 37.4#

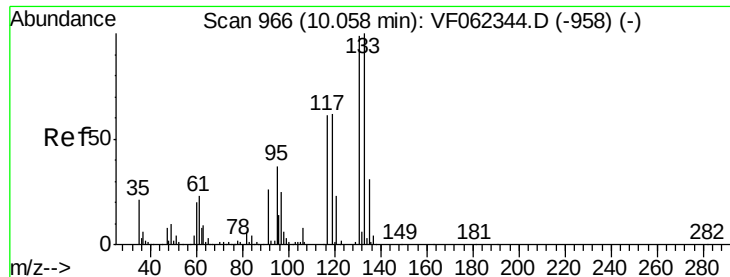


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 118.90 (118.60 to 119.60): V





#66

1,1,1,2-Tetrachloroethane

Concen: 1.083 ug/l

RT: 10.15 min Scan# 976

Delta R.T. 0.09 min

Lab File: VF062385.D

Acq: 8 May 2019 18:56

Instrument :

MSVOA_F

ClientSampleId :

SB-07-1.5-2.0RE

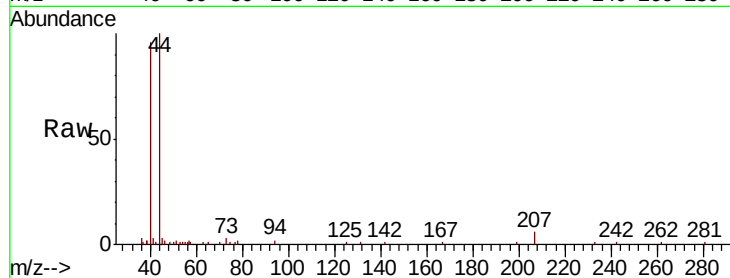
Tot Ion:131 Resp: 88

Ion Ratio Lower Upper

131 100

133 0.0 50.2 150.7#

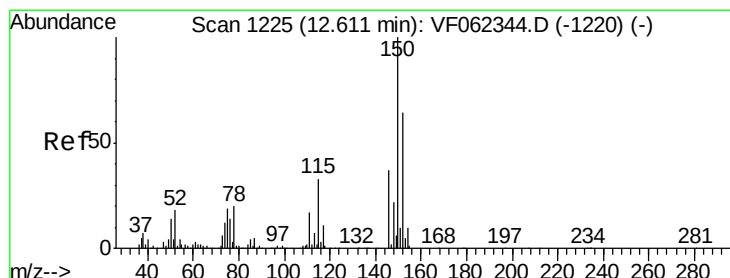
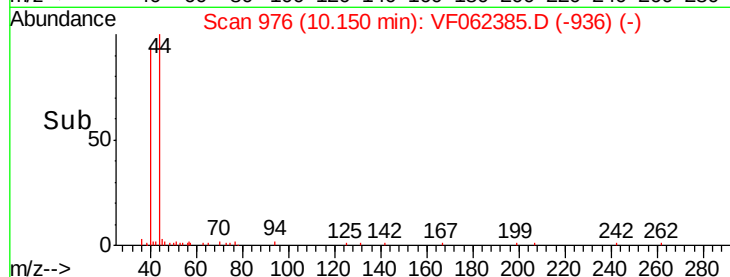
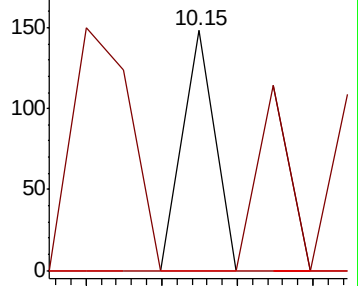
119 0.0 31.6 95.0#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.60 min Scan# 1225

Delta R.T. -0.01 min

Lab File: VF062385.D

Acq: 8 May 2019 18:56

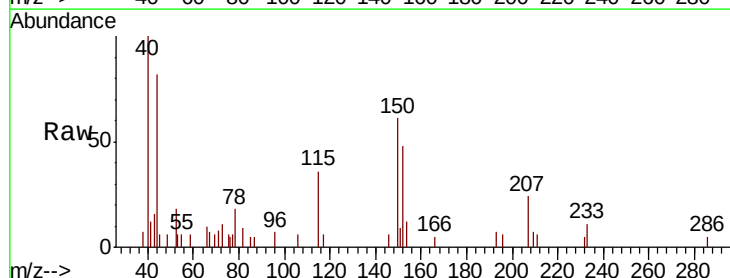
Tgt Ion:152 Resp: 1671

Ion Ratio Lower Upper

152 100

115 59.1 26.4 79.2

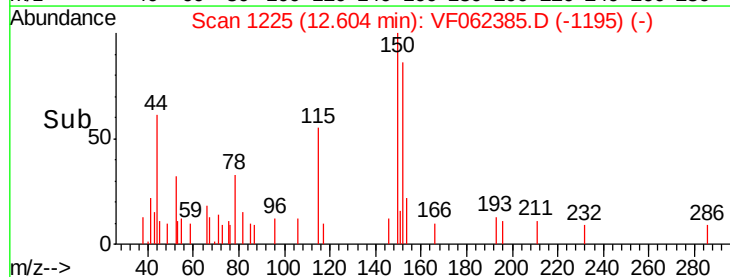
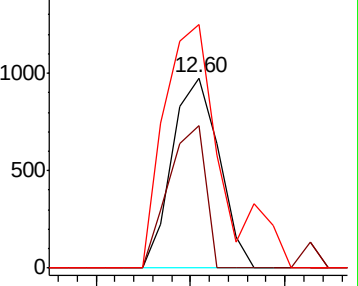
150 156.4 0.0 335.0

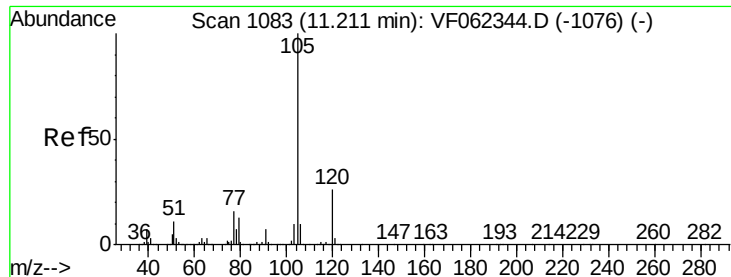


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 5.037 ug/l

RT: 11.19 min Scan# 1082

Delta R.T. -0.02 min

Lab File: VF062385.D

Acq: 8 May 2019 18:56

Instrument :

MSVOA_F

ClientSampleId :

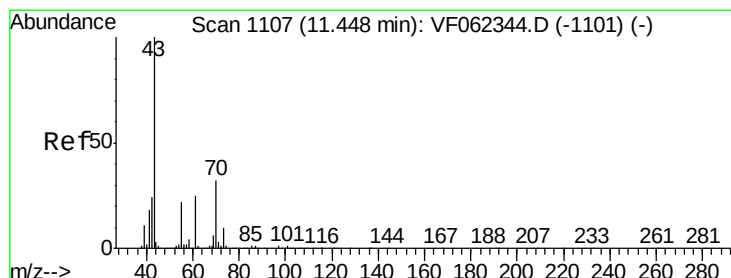
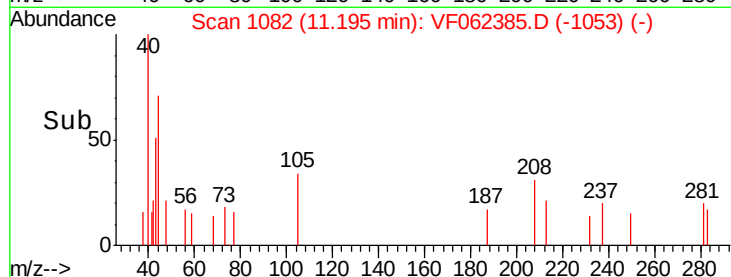
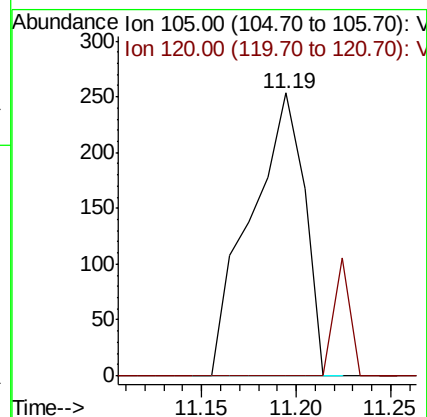
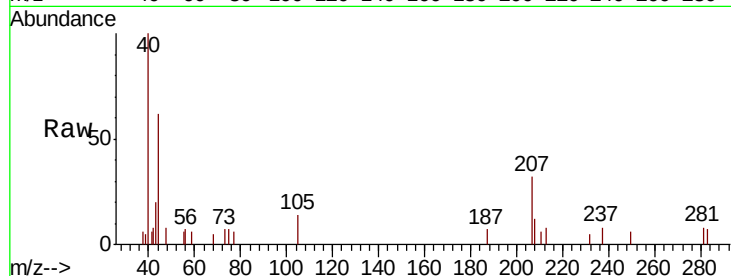
SB-07-1.5-2.0RE

Tot Ion: 105 Resp: 499

Ion Ratio Lower Upper

105 100

120 0.0 12.7 38.0#



#74

N-ethyl acetate

Concen: 17.397 ug/l

RT: 11.47 min Scan# 1110

Delta R.T. 0.02 min

Lab File: VF062385.D

Acq: 8 May 2019 18:56

Tgt Ion: 43 Resp: 370

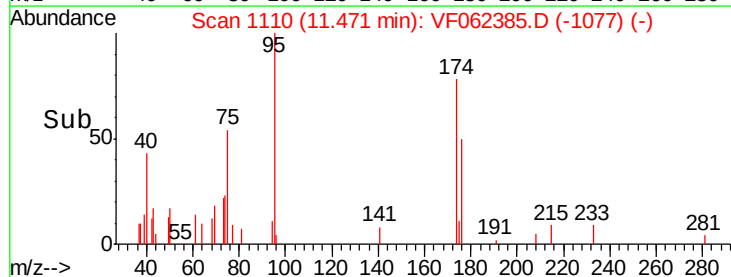
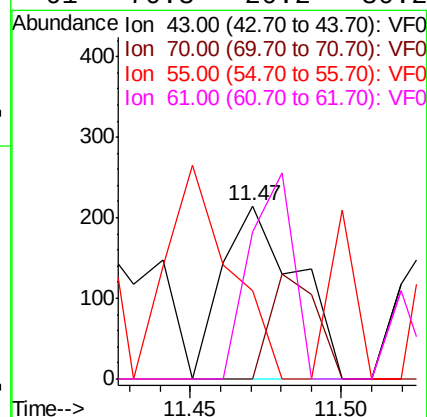
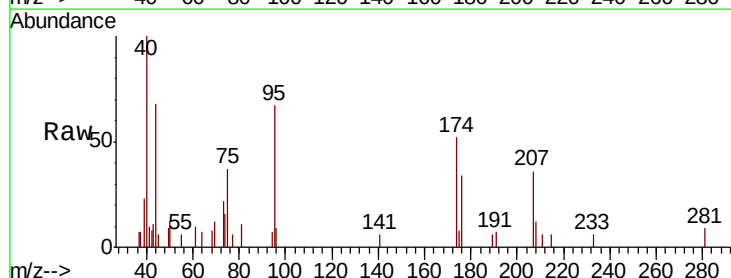
Ion Ratio Lower Upper

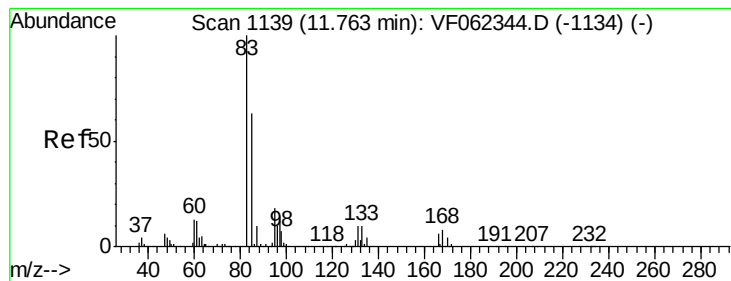
43 100

70 37.8 26.5 39.7

55 0.0 17.8 26.6#

61 70.3 20.2 30.2#





#75

1,1,2,2-Tetrachloroethane

Concen: 5.093 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. 0.01 min

Lab File: VF062385.D

Acq: 8 May 2019 18:56

Instrument :

MSVOA_F

ClientSampleId :

SB-07-1.5-2.0RE

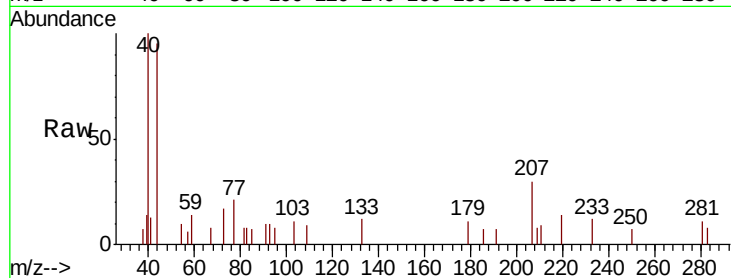
Tot Ion: 83 Resp: 79

Ion Ratio Lower Upper

83 100

131 0.0 5.8 17.4#

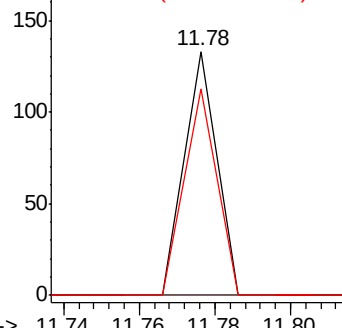
85 84.8 35.3 105.7



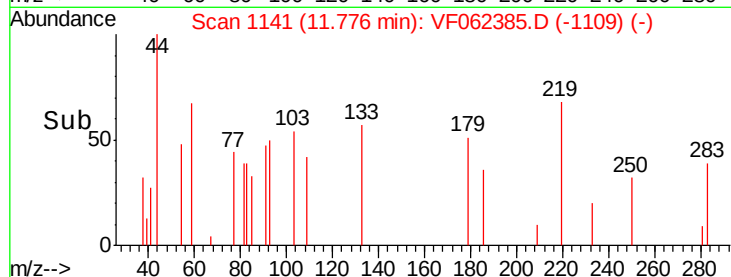
Abundance Ion 82.90 (82.60 to 83.60): VF0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VF0



Time-->



#76

1,2,3-Trichloropropane

Concen: 6.676 ug/l

RT: 11.80 min Scan# 1143

Delta R.T. -0.07 min

Lab File: VF062385.D

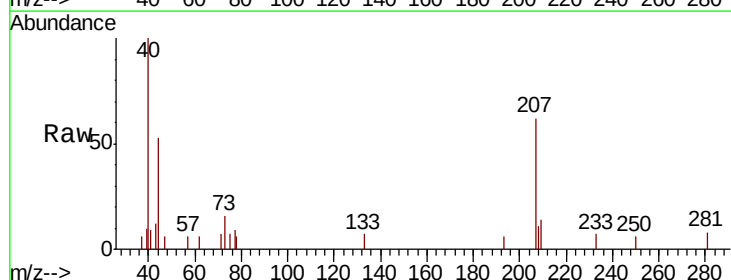
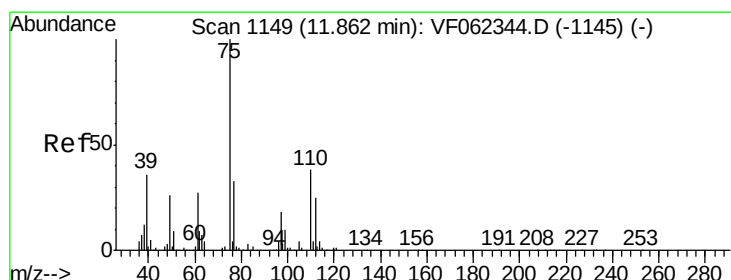
Acq: 8 May 2019 18:56

Tgt Ion: 75 Resp: 79

Ion Ratio Lower Upper

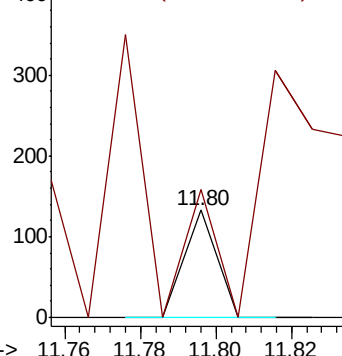
75 100

77 715.2 0.0 0.0#

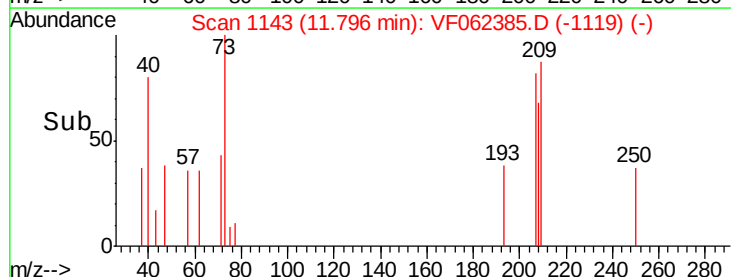


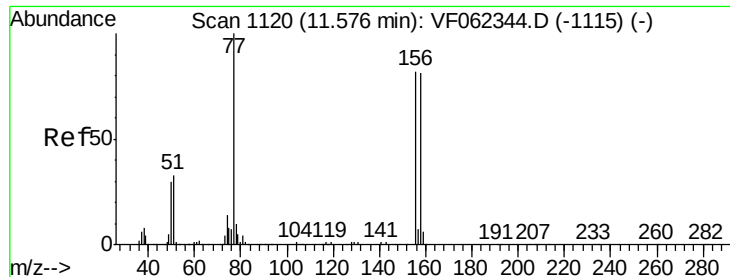
Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 77.00 (76.70 to 77.70): VF0



Time-->





#77

Bromobenzene

Concen: 2.385 ug/l

RT: 11.62 min Scan# 1125

Delta R.T. 0.04 min

Lab File: VF062385.D

Acq: 8 May 2019 18:56

Instrument :

MSVOA_F

ClientSampleId :

SB-07-1.5-2.0RE

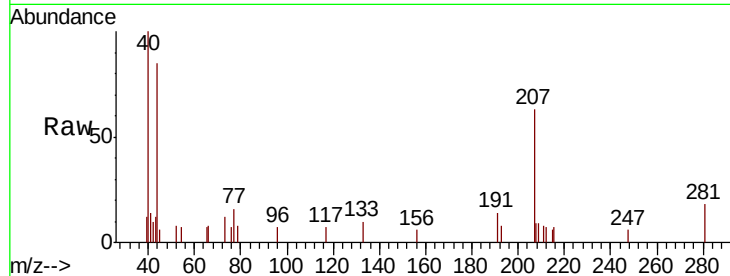
Tot Ion:156 Resp: 62

Ion Ratio Lower Upper

156 100

77 464.5 64.8 194.3#

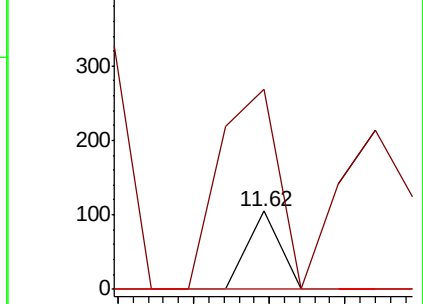
158 0.0 49.1 147.3#



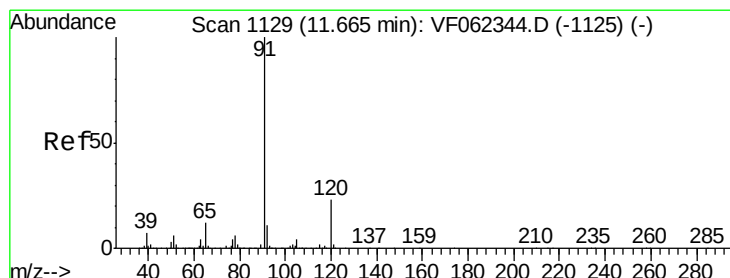
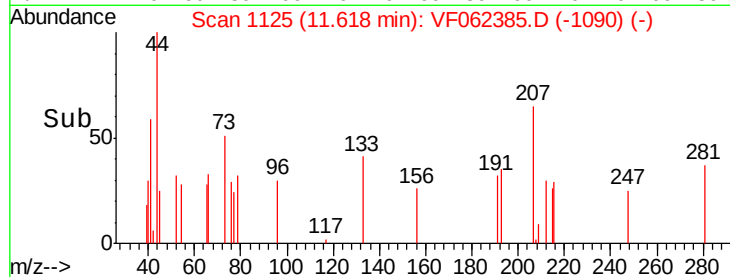
Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 157.80 (157.50 to 158.50): V



Time--> 11.58 11.60 11.62 11.64



#78

n-propylbenzene

Concen: 2.750 ug/l

RT: 11.64 min Scan# 1127

Delta R.T. -0.03 min

Lab File: VF062385.D

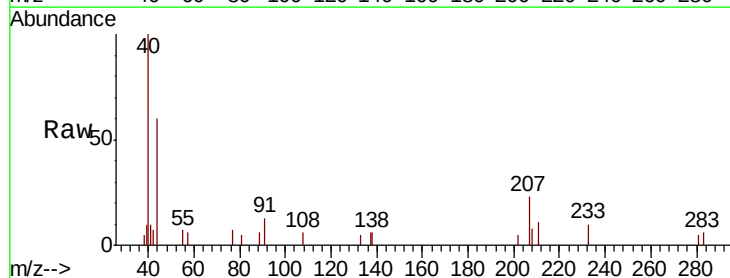
Acq: 8 May 2019 18:56

Tgt Ion: 91 Resp: 290

Ion Ratio Lower Upper

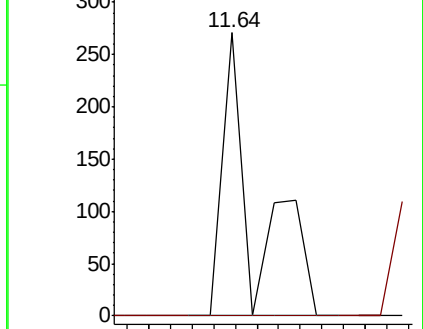
91 100

120 0.0 11.9 35.5#

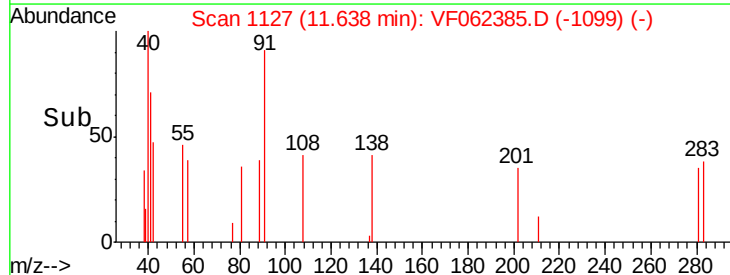


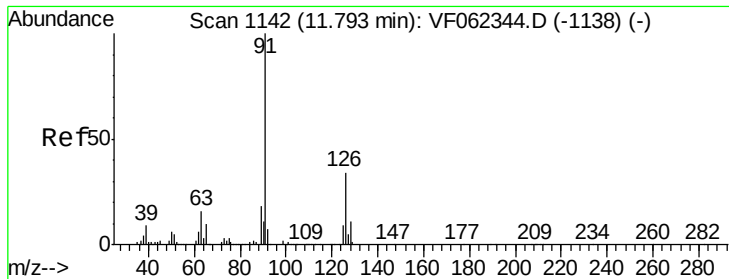
Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V



Time--> 11.60 11.65 11.70





#79

2-Chlorotoluene

Concen: 1.464 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. -0.02 min

Lab File: VF062385.D

Acq: 8 May 2019 18:56

Instrument :

MSVOA_F

ClientSampleId :

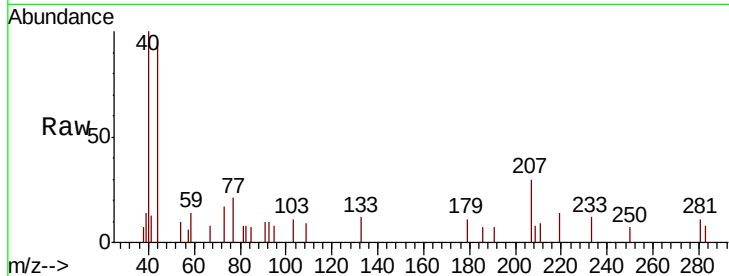
SB-07-1.5-2.0RE

Tot Ion: 91 Resp: 96

Ion Ratio Lower Upper

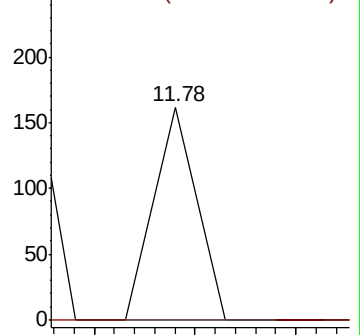
91 100

126 0.0 17.8 53.4#

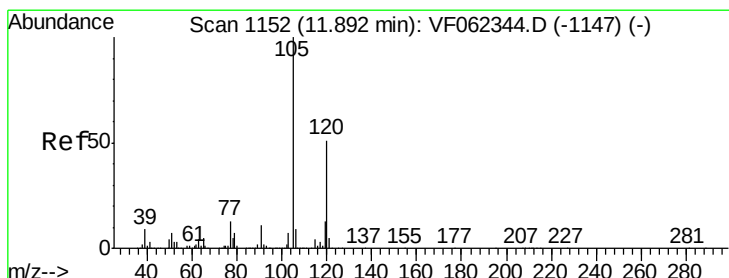
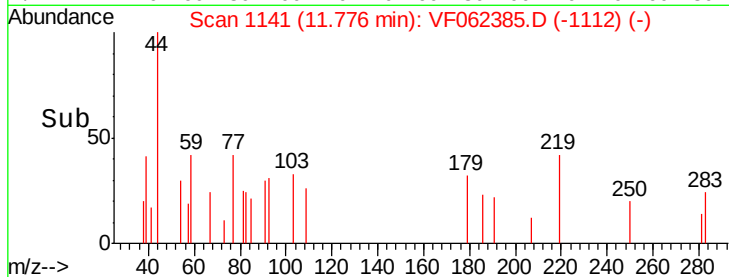


Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 125.90 (125.60 to 126.60): V



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 1.013 ug/l

RT: 11.87 min Scan# 1151

Delta R.T. -0.02 min

Lab File: VF062385.D

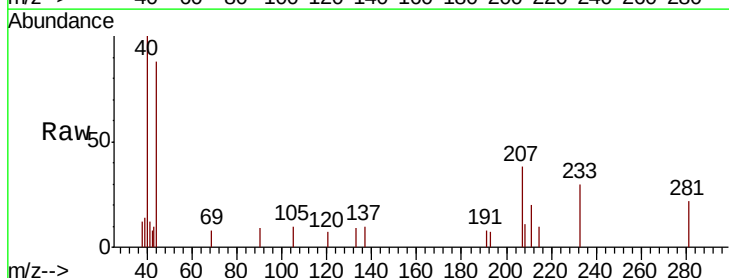
Acq: 8 May 2019 18:56

Tgt Ion:105 Resp: 88

Ion Ratio Lower Upper

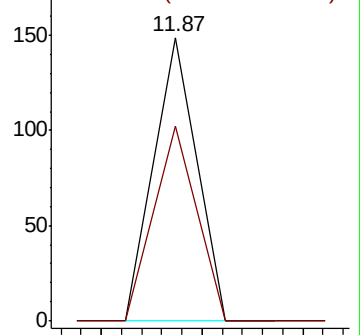
105 100

120 68.2 24.6 74.0

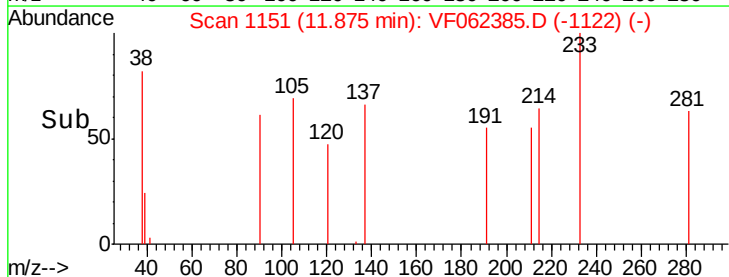


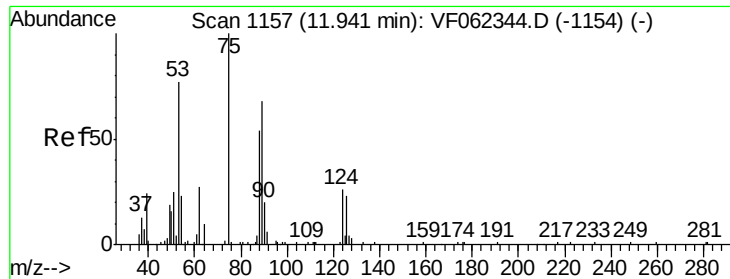
Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 64.296 ug/l

RT: 11.97 min Scan# 1161

Delta R.T. 0.03 min

Lab File: VF062385.D

Acq: 8 May 2019 18:56

Instrument :

MSVOA_F

ClientSampleId :

SB-07-1.5-2.0RE

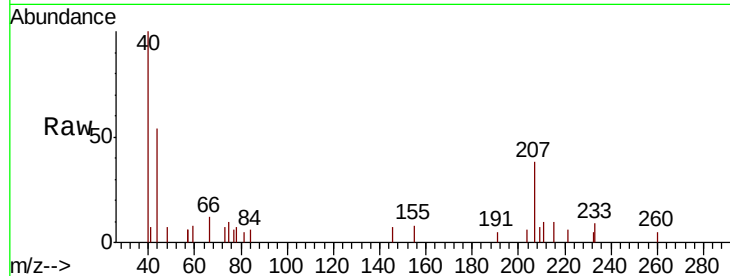
Tot Ion: 75 Resp: 286

Ion Ratio Lower Upper

75 100

53 0.0 71.9 107.9#

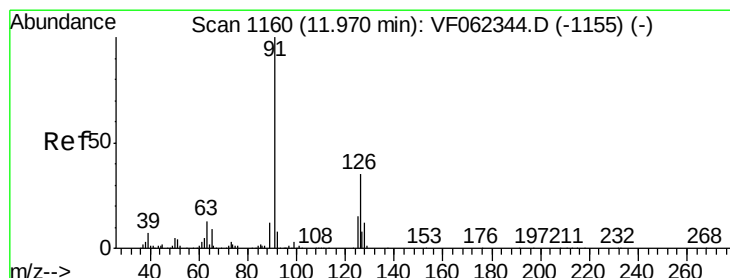
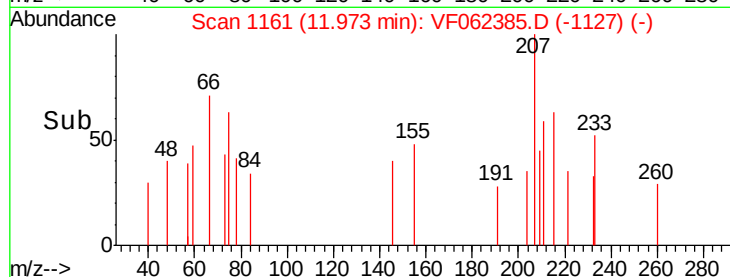
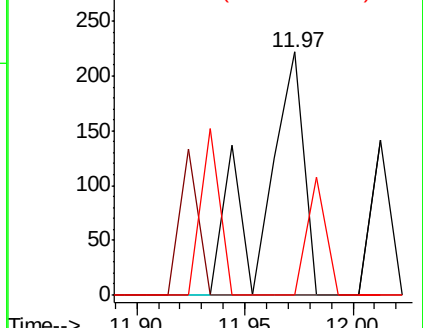
89 22.4 0.0 0.0#



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: 3.196 ug/l

RT: 12.19 min Scan# 1183

Delta R.T. 0.22 min

Lab File: VF062385.D

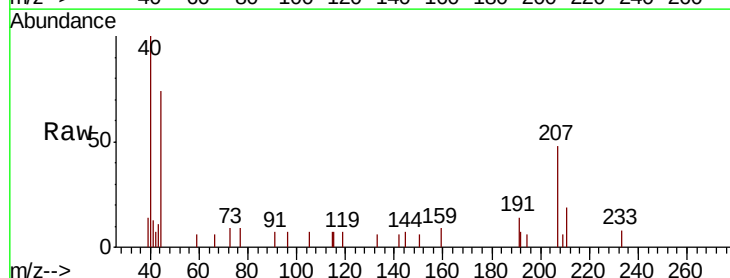
Acq: 8 May 2019 18:56

Tgt Ion: 91 Resp: 207

Ion Ratio Lower Upper

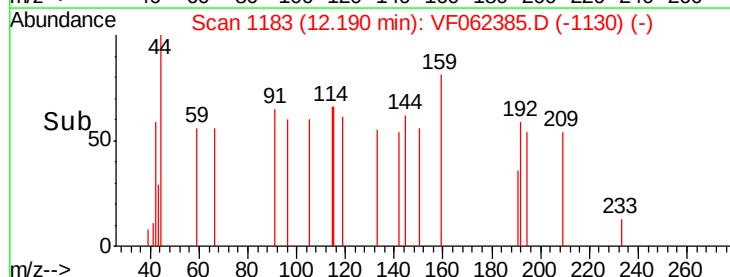
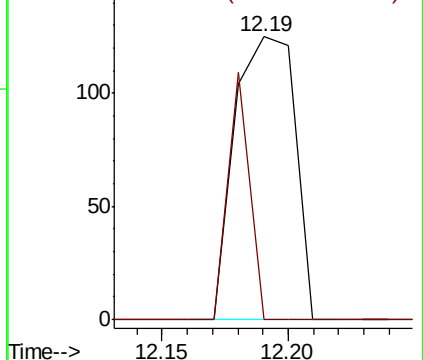
91 100

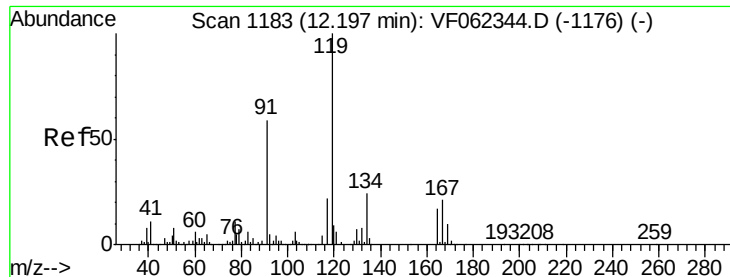
126 30.9 17.7 53.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 125.90 (125.60 to 126.60): V

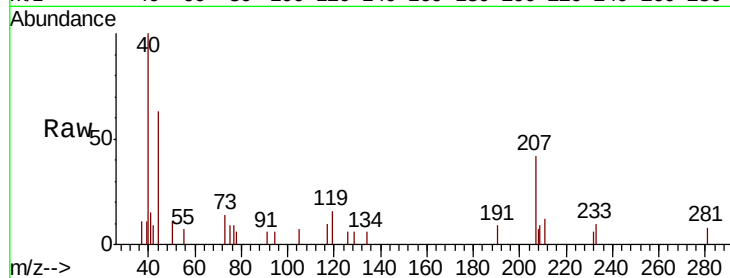




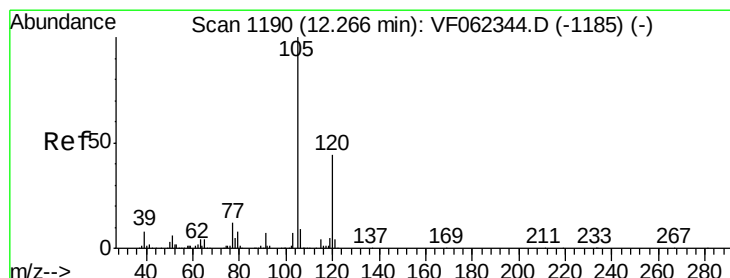
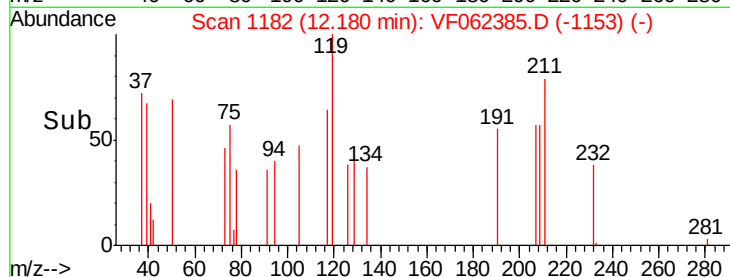
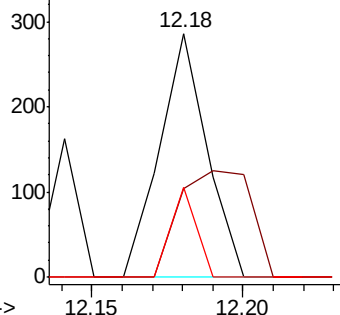
#83
 tert-Butylbenzene
 Concen: 3.408 ug/l
 RT: 12.18 min Scan# 1182
 Delta R.T. -0.02 min
 Lab File: VF062385.D
 Acq: 8 May 2019 18:56

Instrument :
 MSVOA_F
 ClientSampleId :
 SB-07-1.5-2.0RE

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.6	30.4	91.3
134	20.3	11.9	35.7

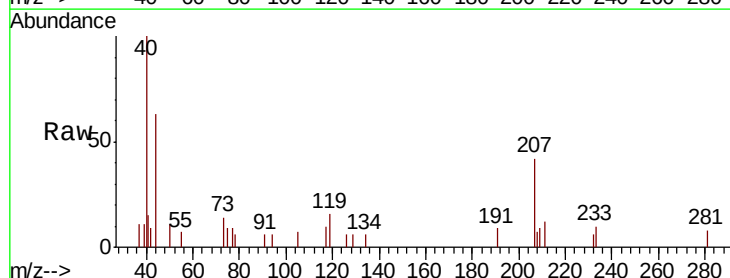


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VF0
 Ion 134.00 (133.70 to 134.70): V

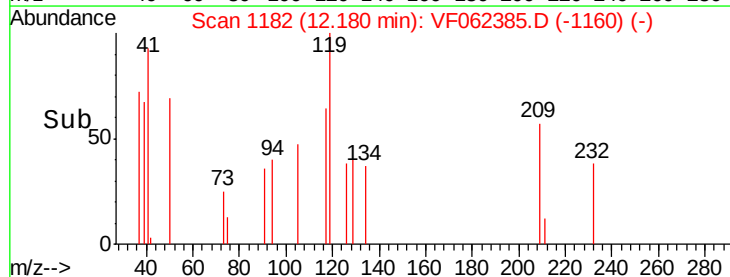
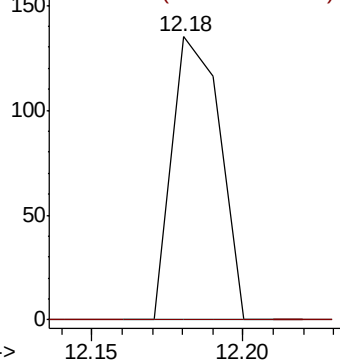


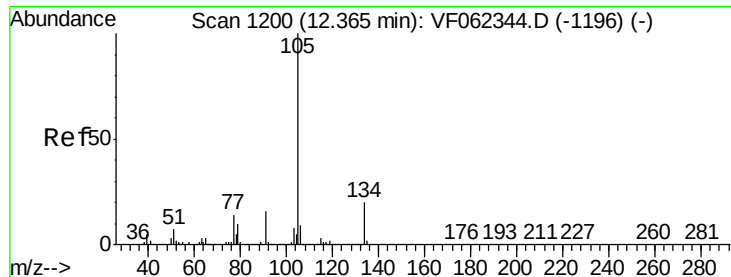
#84
 1,2,4-Trimethylbenzene
 Concen: 1.742 ug/l
 RT: 12.18 min Scan# 1182
 Delta R.T. -0.09 min
 Lab File: VF062385.D
 Acq: 8 May 2019 18:56

Tgt 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: 2.116 ug/l

RT: 12.37 min Scan# 1201

Delta R.T. 0.00 min

Lab File: VF062385.D

Acq: 8 May 2019 18:56

Instrument :

MSVOA_F

ClientSampleId :

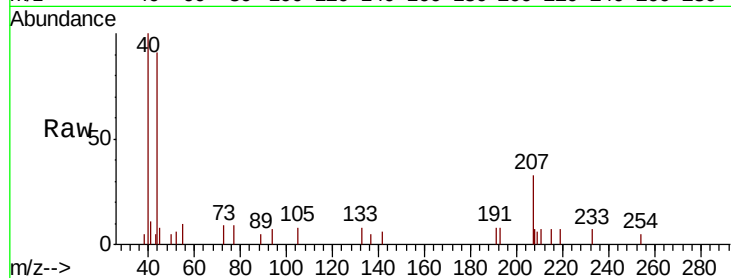
SB-07-1.5-2.0RE

Tot Ion:105 Resp: 235

Ion Ratio Lower Upper

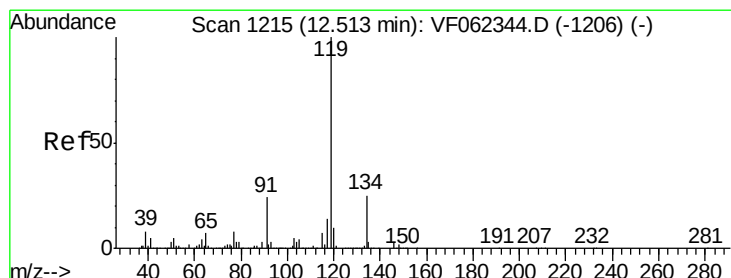
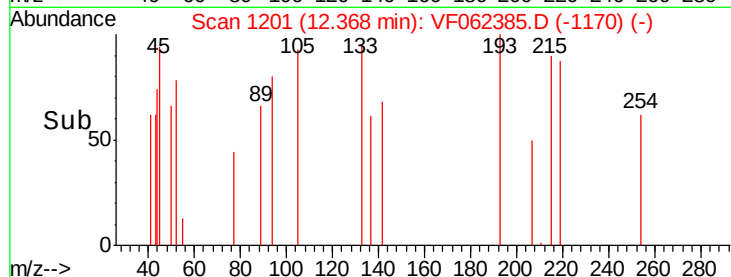
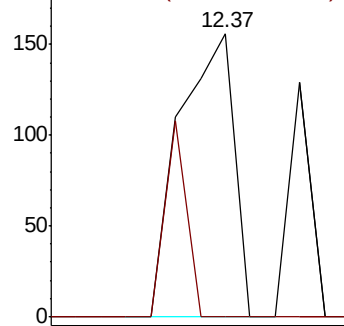
105 100

134 27.2 9.8 29.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 1.802 ug/l

RT: 12.51 min Scan# 1215

Delta R.T. -0.01 min

Lab File: VF062385.D

Acq: 8 May 2019 18:56

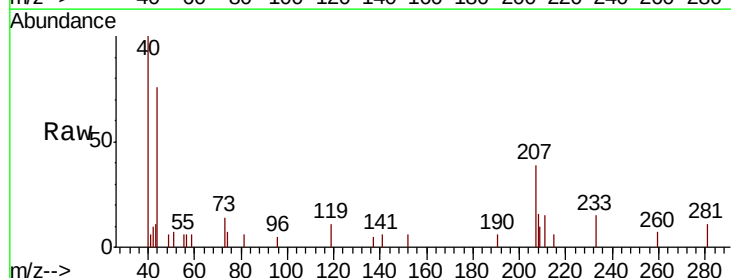
Tgt Ion:119 Resp: 186

Ion Ratio Lower Upper

119 100

134 0.0 12.9 38.7#

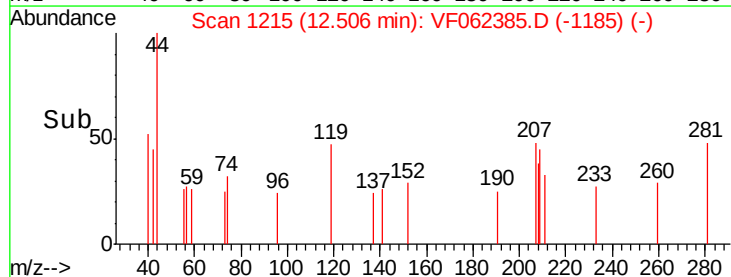
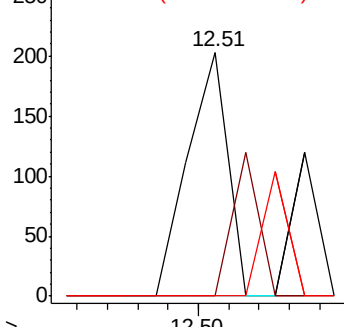
91 0.0 12.3 36.8#

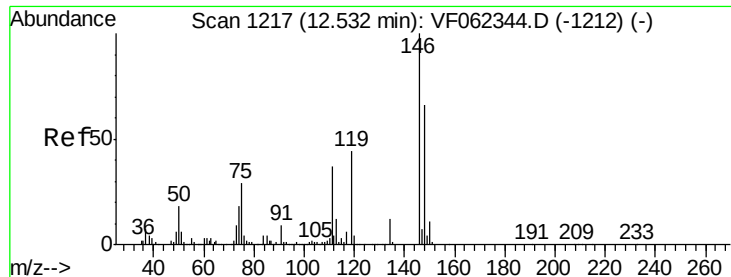


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0

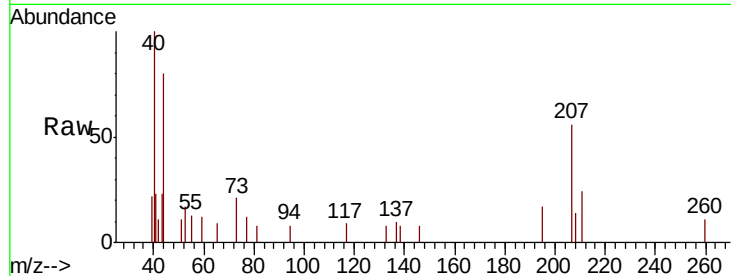




#87
 1,3-Dichlorobenzene
 Concen: 1.348 ug/l
 RT: 12.69 min Scan# 1234
 Delta R.T. 0.16 min
 Lab File: VF062385.D
 Acq: 8 May 2019 18:56

Instrument :
 MSVOA_F
 ClientSampleId :
 SB-07-1.5-2.0RE

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

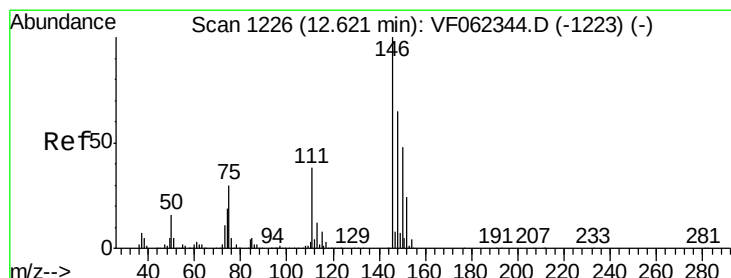
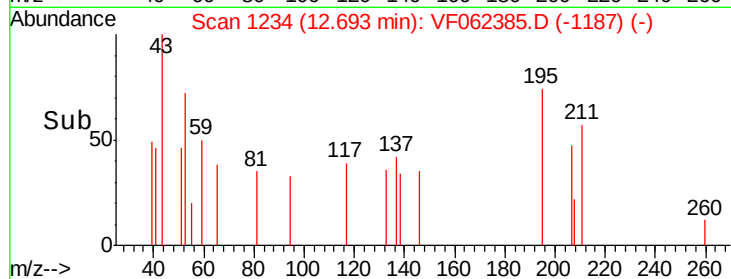
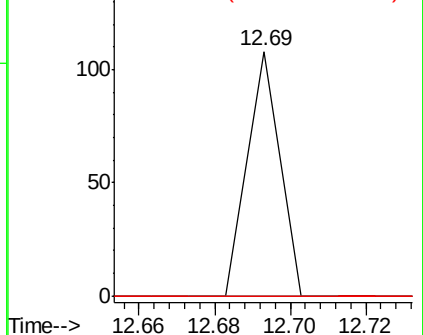


Abundance

Ion 145.90 (145.60 to 146.60): V

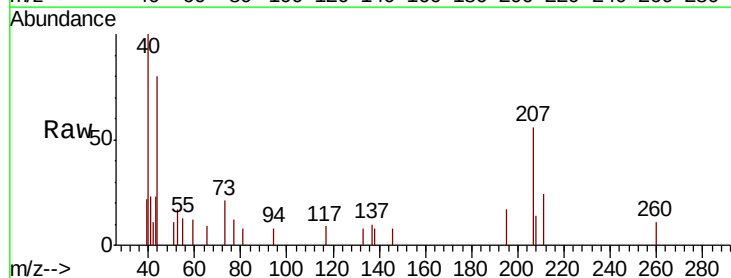
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88
 1,4-Dichlorobenzene
 Concen: 1.397 ug/l
 RT: 12.69 min Scan# 1234
 Delta R.T. 0.07 min
 Lab File: VF062385.D
 Acq: 8 May 2019 18:56

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

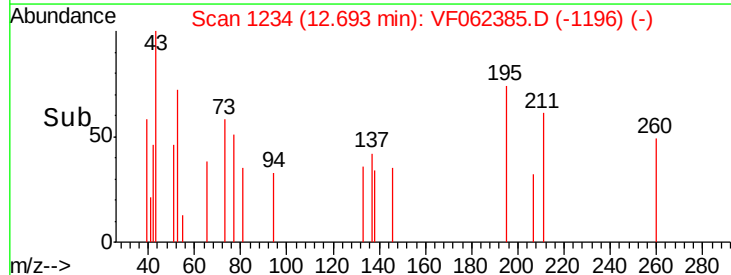
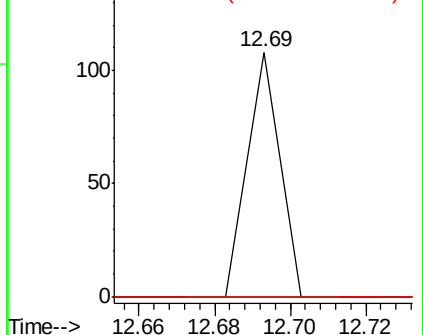


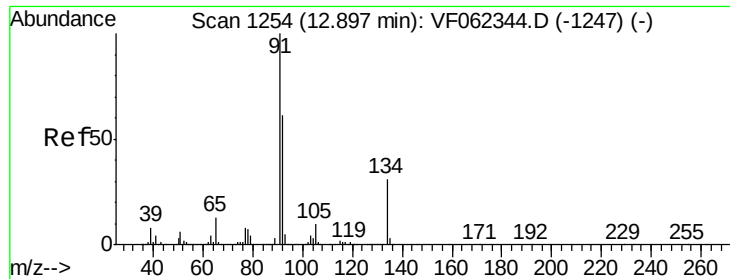
Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 1.917 ug/l

RT: 12.88 min Scan# 1253

Delta R.T. -0.02 min

Lab File: VF062385.D

Acq: 8 May 2019 18:56

Instrument :

MSVOA_F

ClientSampleId :

SB-07-1.5-2.0RE

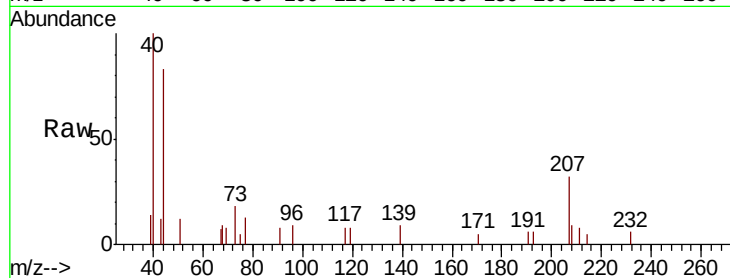
Tot Ion: 91 Resp: 176

Ion Ratio Lower Upper

91 100

92 0.0 30.0 90.0#

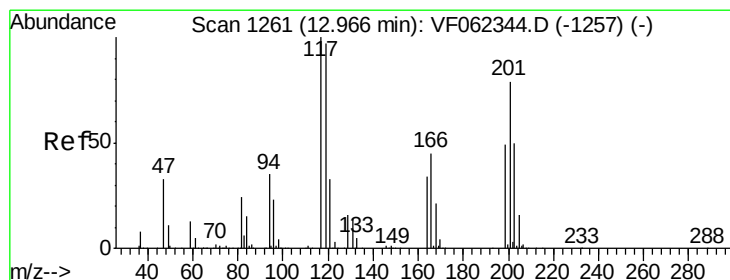
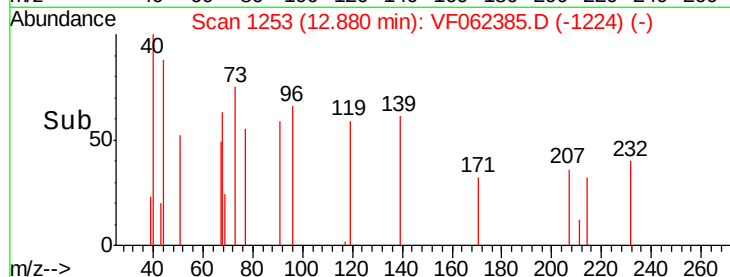
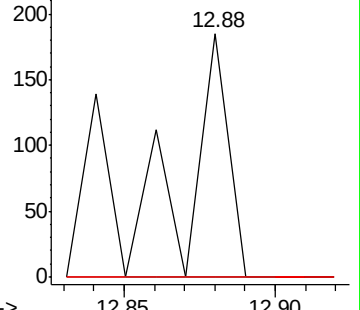
134 0.0 14.1 42.4#



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



#90

Hexachloroethane

Concen: 2.833 ug/l

RT: 12.69 min Scan# 1234

Delta R.T. -0.27 min

Lab File: VF062385.D

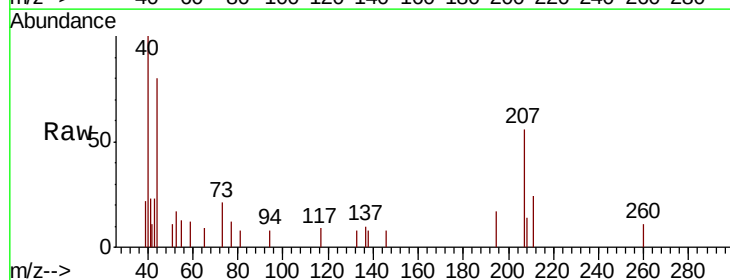
Acq: 8 May 2019 18:56

Tgt Ion: 117 Resp: 73

Ion Ratio Lower Upper

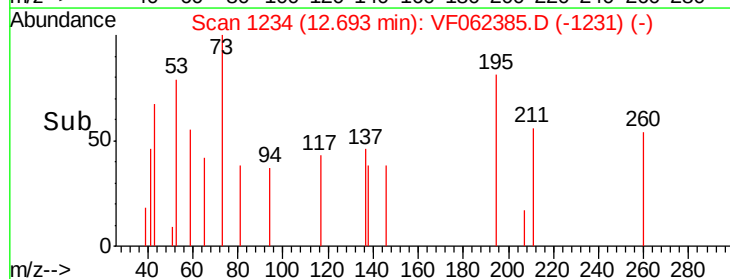
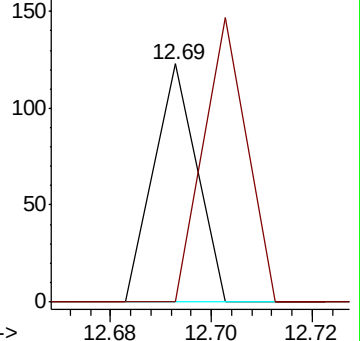
117 100

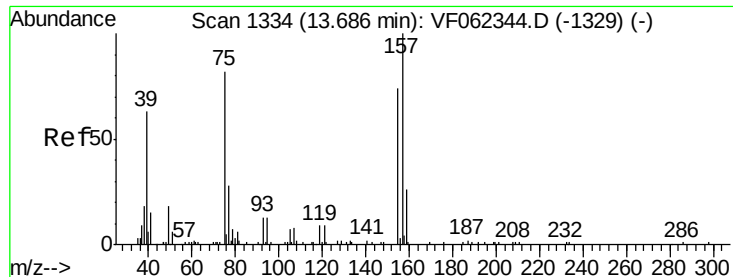
201 119.2 46.2 138.5



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

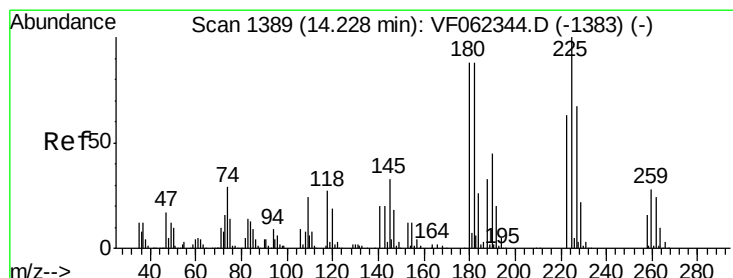
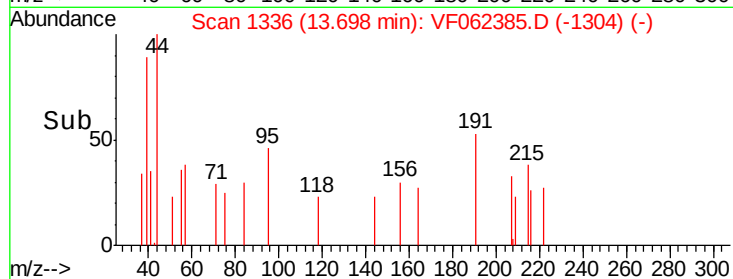
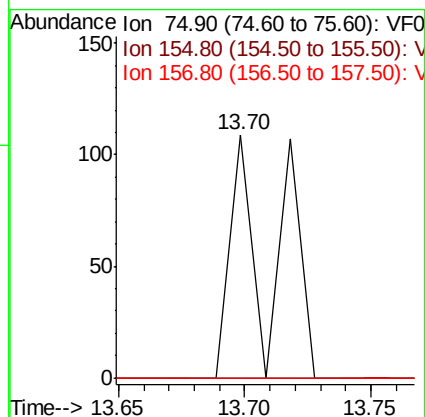
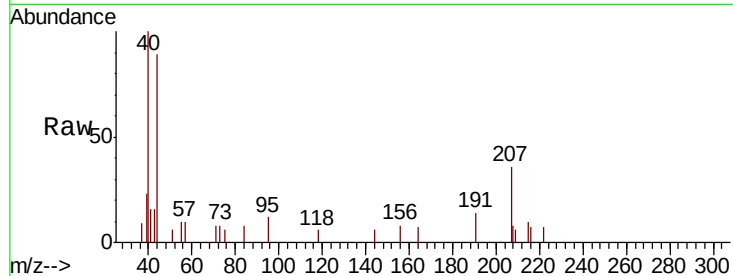




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 36.835 ug/l
 RT: 13.70 min Scan# 1336
 Delta R.T. 0.01 min
 Lab File: VF062385.D
 Acq: 8 May 2019 18:56

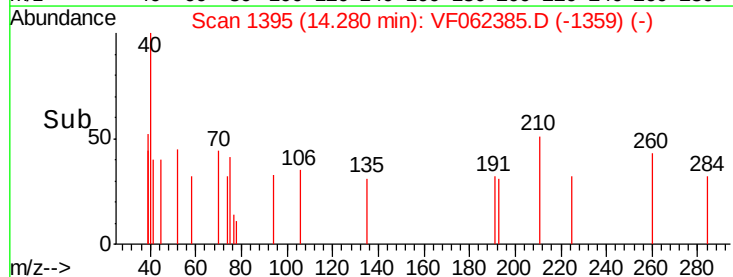
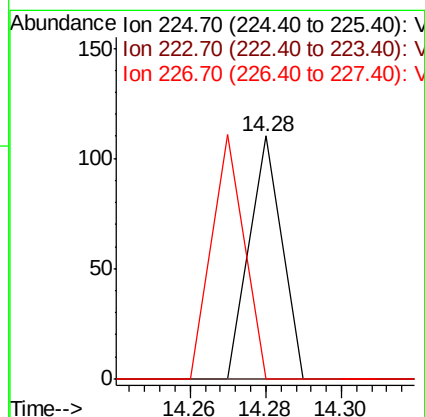
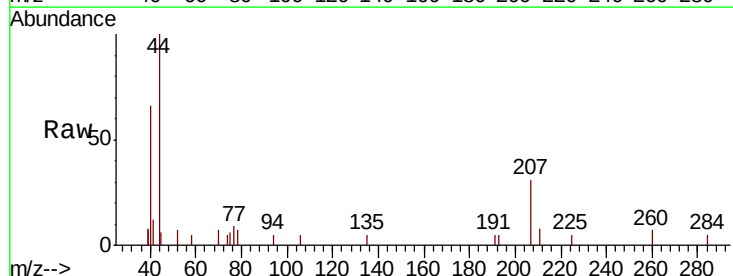
Instrument :
 MSVOA_F
 ClientSampleId :
 SB-07-1.5-2.0RE

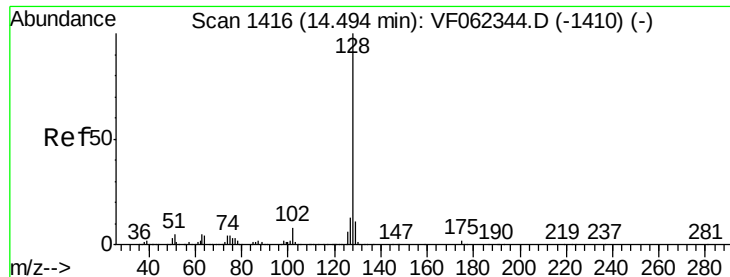
Tot Ion: 75 Resp: 128
 Ion Ratio Lower Upper
 75 100
 155 0.0 51.8 155.4#
 157 0.0 67.3 201.8#



#94
 Hexachlorobutadiene
 Concen: 2.116 ug/l
 RT: 14.28 min Scan# 1395
 Delta R.T. 0.05 min
 Lab File: VF062385.D
 Acq: 8 May 2019 18:56

Tgt Ion: 225 Resp: 65
 Ion Ratio Lower Upper
 225 100
 223 0.0 31.9 95.5#
 227 101.5 33.1 99.5#





#95

Naphthalene

Concen: 1.113 ug/l

RT: 14.53 min Scan# 1420

Delta R.T. 0.03 min

Lab File: VF062385.D

Acq: 8 May 2019 18:56

Instrument :

MSVOA_F

ClientSampleId :

SB-07-1.5-2.0RE

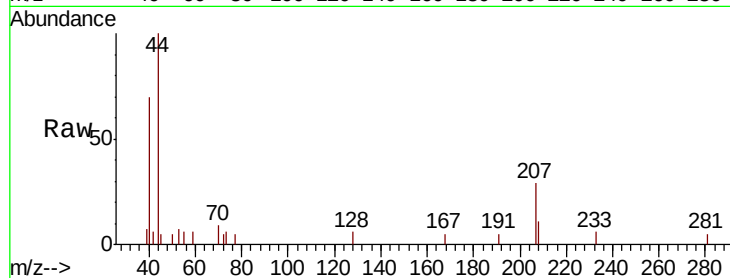
Tot Ion:128 Resp: 69

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

