

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF050819\
 Data File : VF062391.D
 Acq On : 8 May 2019 21:44
 Operator : FY/SY
 Sample : K2672-07RE
 Misc : 5.05g/5mL/MSVOA F/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 SB-04-1.0-1.5RE

Quant Time: May 09 05:05:22 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	34474	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.76	114	30047	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.89	117	14265	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.60	152	2435	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.01	65	4381	13.45	ug/l	0.00
Spiked Amount			Recovery	=	26.90%	
35) Dibromofluoromethane	4.30	113	7164	29.93	ug/l	0.00
Spiked Amount			Recovery	=	59.86%	
50) Toluene-d8	7.70	98	21317	36.79	ug/l	0.00
Spiked Amount			Recovery	=	73.58%	
62) 4-Bromofluorobenzene	11.48	95	3644	13.94	ug/l	0.00
Spiked Amount			Recovery	=	27.88%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.15	50	457	1.737	ug/l #	48
5) Bromomethane	1.41	94	135	Below Cal	#	3
11) Tert butyl alcohol	2.73	59	92	4.996	ug/l #	1
13) Acrolein	2.09	56	184	Below Cal	#	20
14) Allyl chloride	2.20	41	1023	4.382	ug/l #	48
15) Acrylonitrile	3.12	53	74	2.122	ug/l #	74
16) Acetone	2.34	43	600	9.104	ug/l #	62
18) Methyl Acetate	2.49	43	1742	12.121	ug/l #	58
20) Methylene Chloride	2.28	84	2198	9.218	ug/l #	73
25) 2-Butanone	4.54	43	280	3.382	ug/l #	60
27) cis-1,2-Dichloroethene	3.64	96	363	1.153	ug/l #	10
29) Tetrahydrofuran	4.29	42	310	8.146	ug/l #	36
37) Ethyl Acetate	4.32	43	425	Below Cal	#	73
38) Carbon Tetrachloride	4.23	117	75	Below Cal	#	14
39) Methylcyclohexane	5.76	83	522	2.016	ug/l #	57
41) Methacrylonitrile	4.95	41	547	8.838	ug/l #	43
43) Isopropyl Acetate	7.10	43	145	1.235	ug/l #	48
45) 1,2-Dichloropropane	6.42	63	138	1.072	ug/l #	43
48) Methyl methacrylate	6.84	41	284	3.423	ug/l #	31
49) 1,4-Dioxane	6.87	88	71	71.067	ug/l #	1
51) 4-Methyl-2-Pentanone	8.38	43	507	5.699	ug/l #	40
56) Ethyl methacrylate	8.76	69	387	3.294	ug/l #	31
58) 2-Chloroethyl Vinyl ether	7.41	63	101	2.859	ug/l #	42
59) 2-Hexanone	9.52	43	312	5.071	ug/l	64
73) Isopropylbenzene	11.21	105	296	2.050	ug/l #	50
74) N-amyl acetate	11.43	43	133	4.292	ug/l #	35
75) 1,1,2,2-Tetrachloroethane	11.86	83	66	2.920	ug/l #	22
76) 1,2,3-Trichloropropane	11.85	75	192	11.134	ug/l #	100
79) 2-Chlorotoluene	11.88	91	180	1.883	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.92	75	115	17.742	ug/l #	5
82) 4-Chlorotoluene	12.03	91	136	1.441	ug/l	85
83) tert-Butylbenzene	12.19	119	182	1.369	ug/l #	27
84) 1,2,4-Trimethylbenzene	12.26	105	199	1.607	ug/l #	31
85) sec-Butylbenzene	12.36	105	292	1.804	ug/l	97

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Quant Title : SW846 8260
QLast Update : Tue May 07 04:34:57 2019
Response via : Initial Calibration

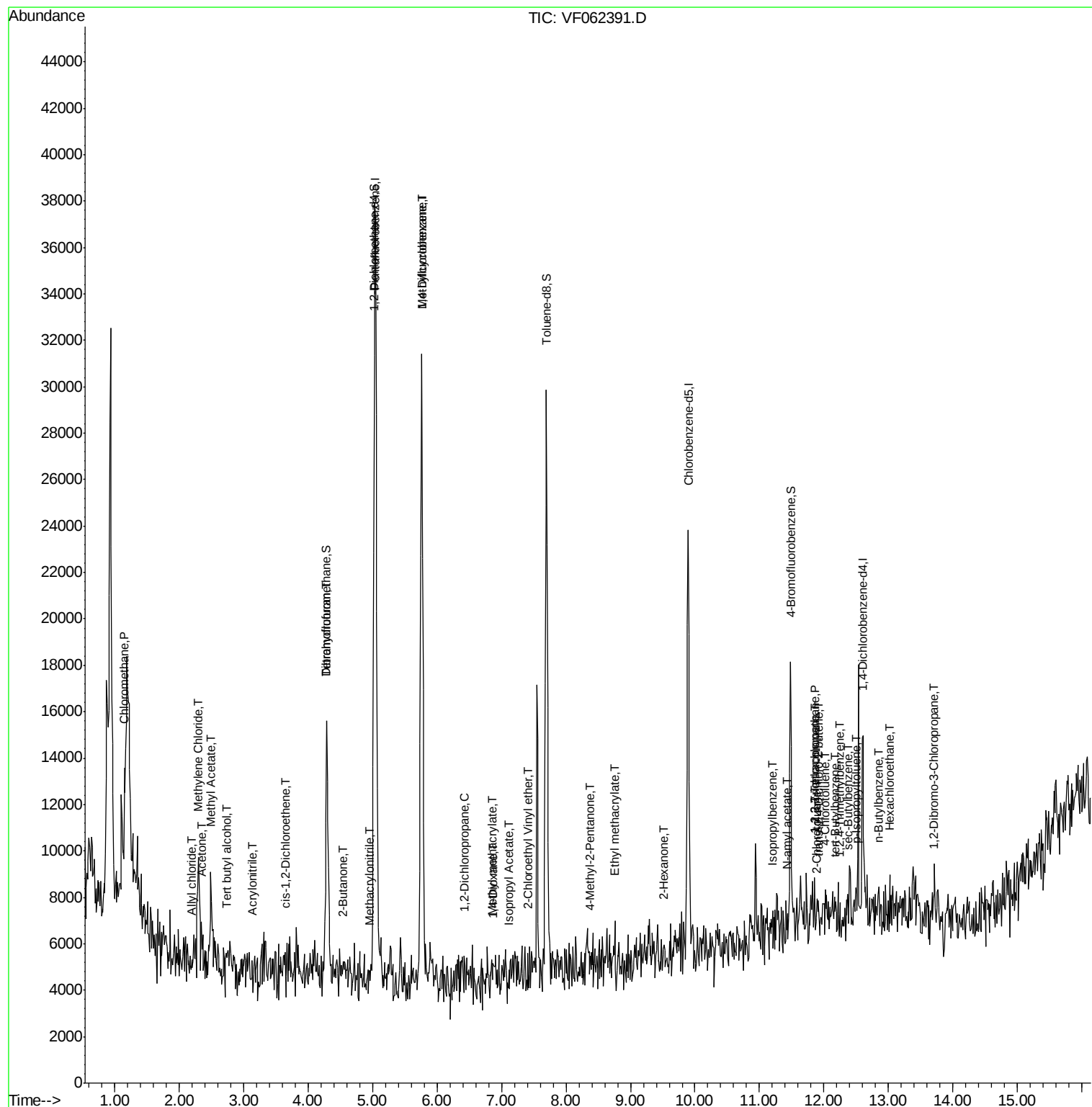
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
86) p-Isopropyltoluene	12.50	119	279	1.855	ug/l #	50
89) n-Butylbenzene	12.86	91	170	1.271	ug/l #	29
90) Hexachloroethane	13.02	117	100	2.663	ug/l #	3
92) 1,2-Dibromo-3-Chloropropan	13.70	75	185	36.535	ug/l #	1

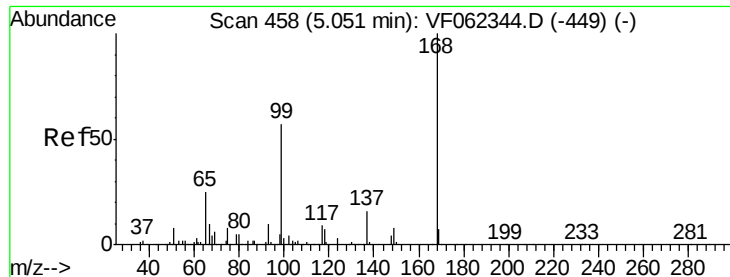
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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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: VF062391.D

Acq: 8 May 2019 21:44

Instrument :

MSVOA_F

ClientSampleId :

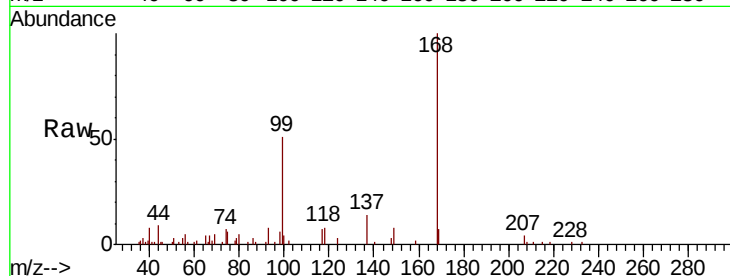
SB-04-1.0-1.5RE

Tot Ion:168 Resp: 34474

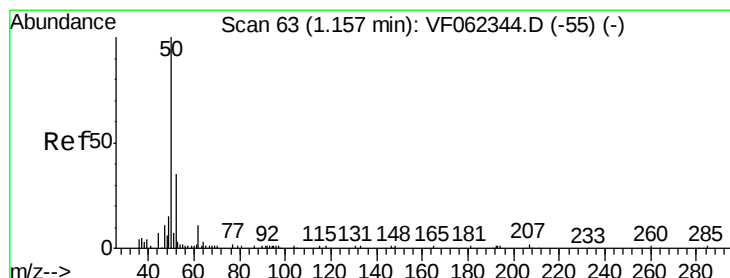
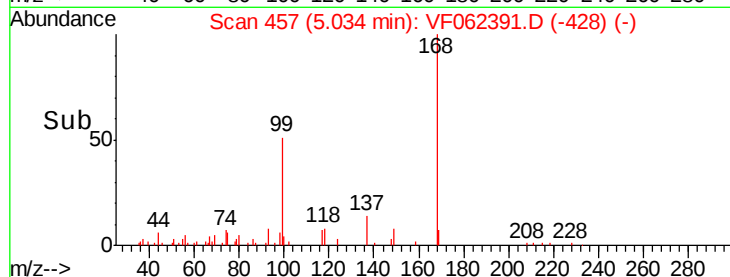
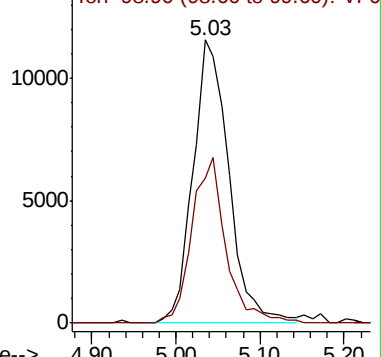
Ion Ratio Lower Upper

168 100

99 51.1 45.9 68.9



Abundance Ion 167.90 (167.60 to 168.60): VF0



#3

Chloromethane

Concen: 1.737 ug/l

RT: 1.15 min Scan# 63

Delta R.T. -0.01 min

Lab File: VF062391.D

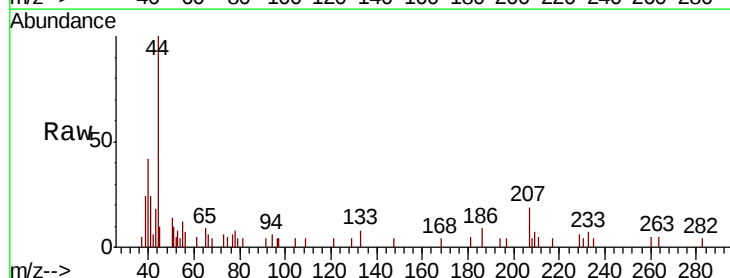
Acq: 8 May 2019 21:44

Tgt Ion: 50 Resp: 457

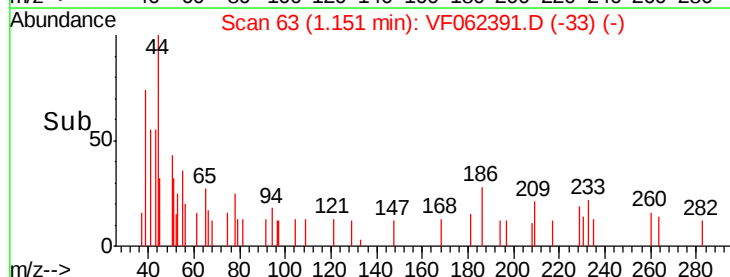
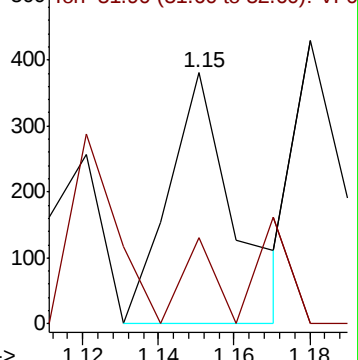
Ion Ratio Lower Upper

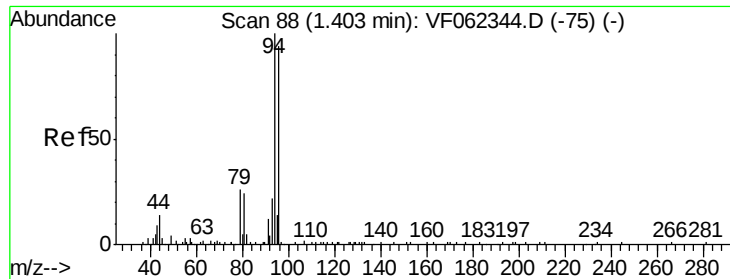
50 100

52 3.1 26.1 39.1#



Abundance Ion 49.90 (49.60 to 50.60): VF0





#5

Bromomethane

Concen: Below Cal

RT: 1.41 min Scan# 89

Delta R.T. 0.00 min

Lab File: VF062391.D

Acq: 8 May 2019 21:44

Instrument :

MSVOA_F

ClientSampleId :

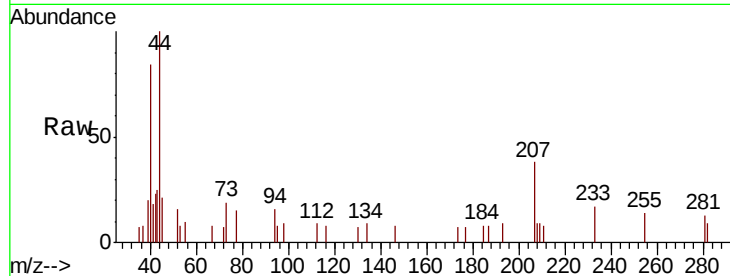
SB-04-1.0-1.5RE

Tot Ion: 94 Resp: 135

Ion Ratio Lower Upper

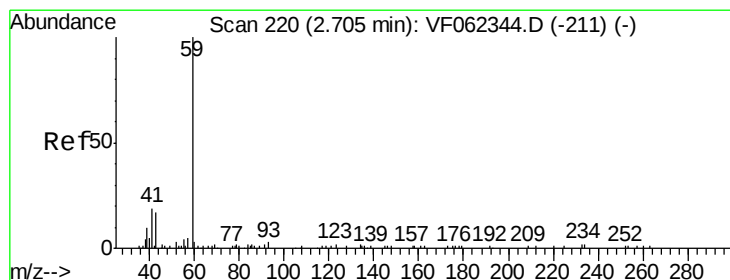
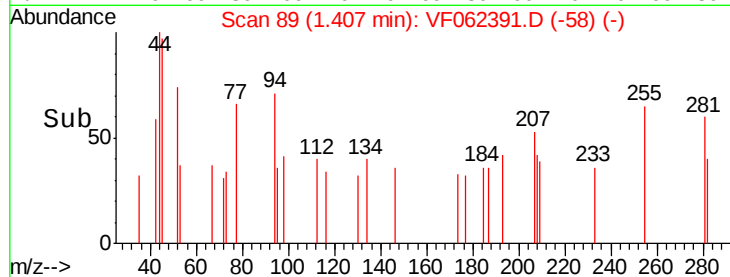
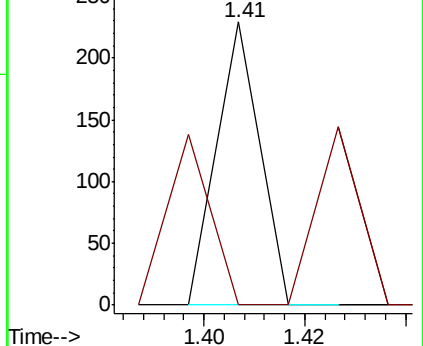
94 100

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



#11

Tert butyl alcohol

Concen: 4.996 ug/l

RT: 2.73 min Scan# 223

Delta R.T. 0.02 min

Lab File: VF062391.D

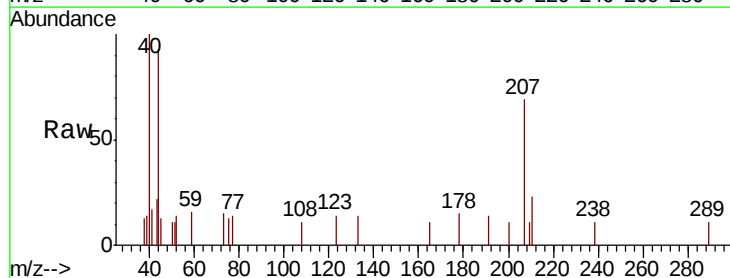
Acq: 8 May 2019 21:44

Tgt Ion: 59 Resp: 92

Ion Ratio Lower Upper

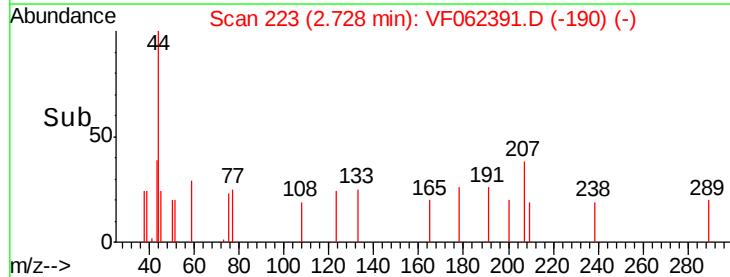
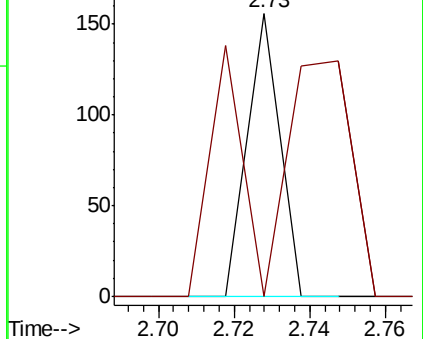
59 100

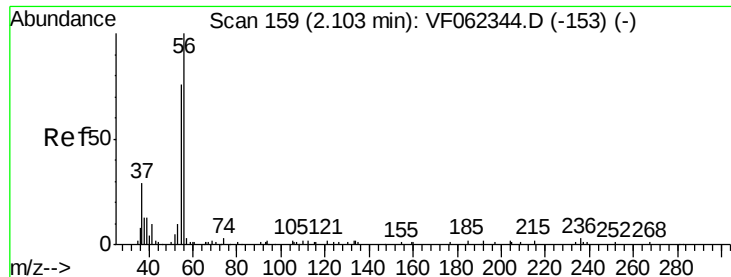
57 254.3 9.3 13.9#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

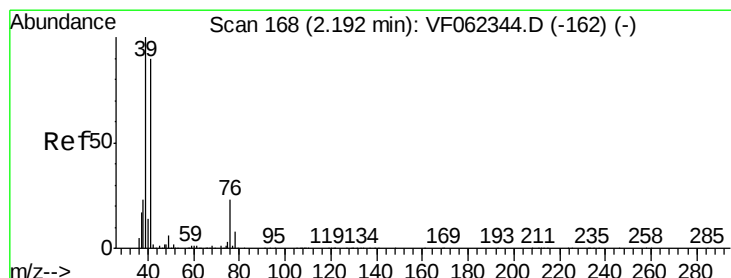
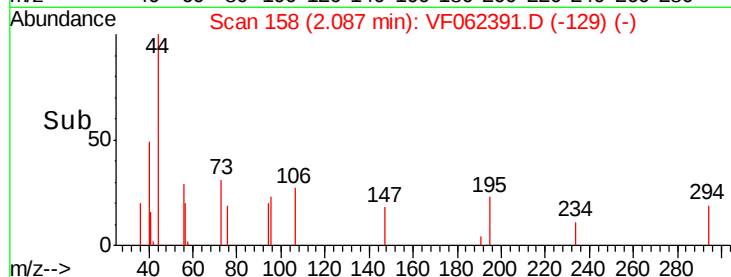
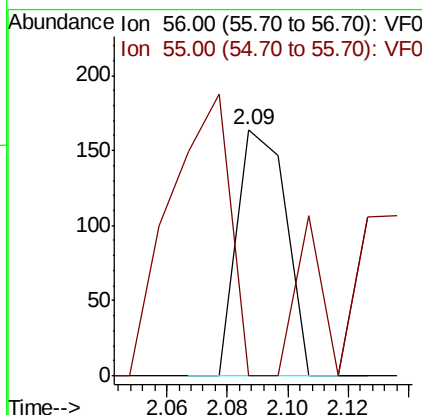
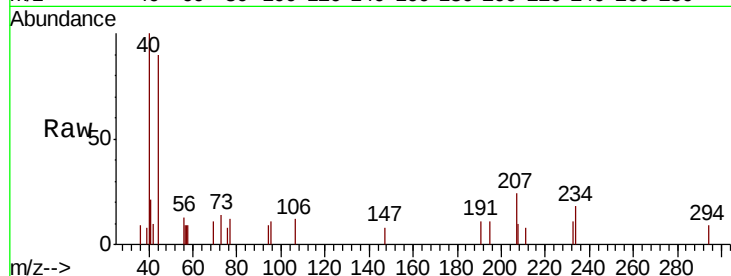




#13
Acrolein
Concen: Below Cal
RT: 2.09 min Scan# 158
Delta R.T. -0.02 min
Lab File: VF062391.D
Acq: 8 May 2019 21:44

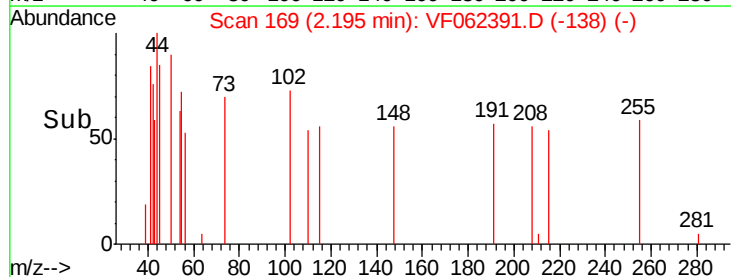
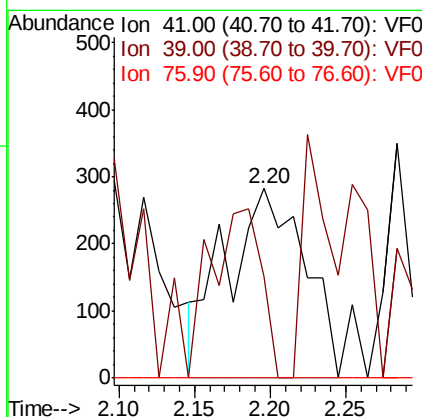
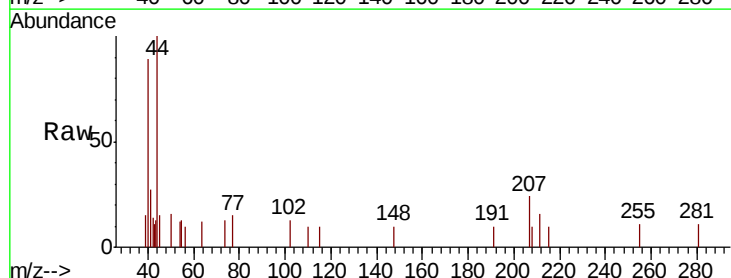
Instrument :
MSVOA_F
ClientSampleId :
SB-04-1.0-1.5RE

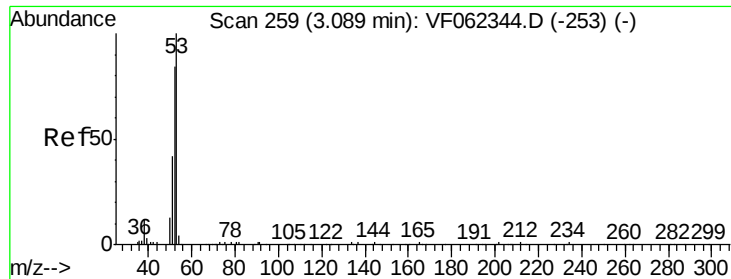
Tot Ion: 56 Resp: 184
Ion Ratio Lower Upper
56 100
55 140.2 58.4 87.6#



#14
Allyl chloride
Concen: 4.382 ug/l
RT: 2.20 min Scan# 169
Delta R.T. 0.00 min
Lab File: VF062391.D
Acq: 8 May 2019 21:44

Tgt Ion: 41 Resp: 1023
Ion Ratio Lower Upper
41 100
39 57.4 90.8 136.2#
76 0.0 22.2 33.4#





#15

Acrylonitrile

Concen: 2.122 ug/l

RT: 3.12 min Scan# 263

Delta R.T. 0.03 min

Lab File: VF062391.D

Acq: 8 May 2019 21:44

Instrument :

MSVOA_F

ClientSampleId :

SB-04-1.0-1.5RE

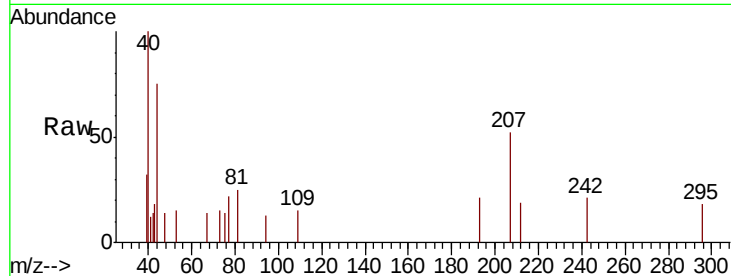
Tot Ion: 53 Resp: 74

Ion Ratio Lower Upper

53 100

52 86.5 77.2 115.8

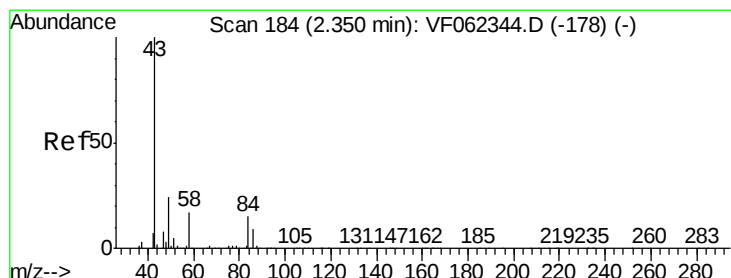
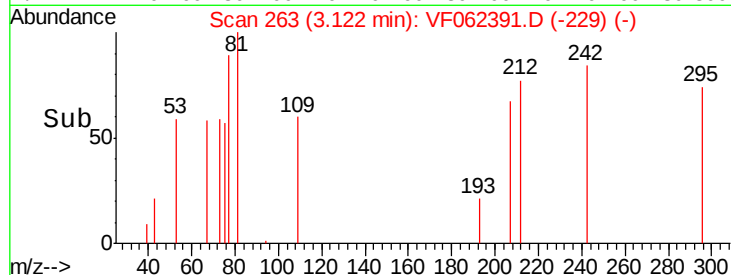
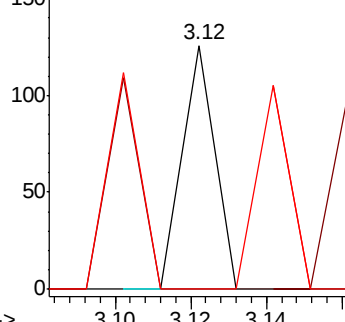
51 89.2 40.6 61.0#



Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 9.104 ug/l

RT: 2.34 min Scan# 184

Delta R.T. -0.01 min

Lab File: VF062391.D

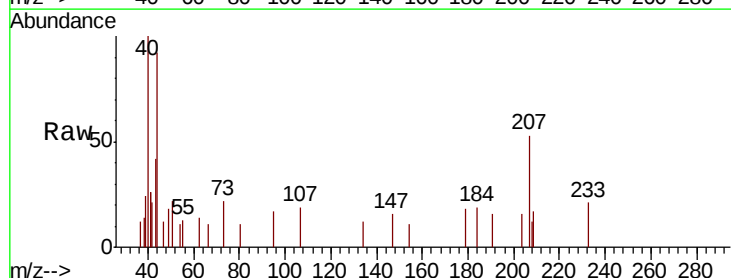
Acq: 8 May 2019 21:44

Tgt Ion: 43 Resp: 600

Ion Ratio Lower Upper

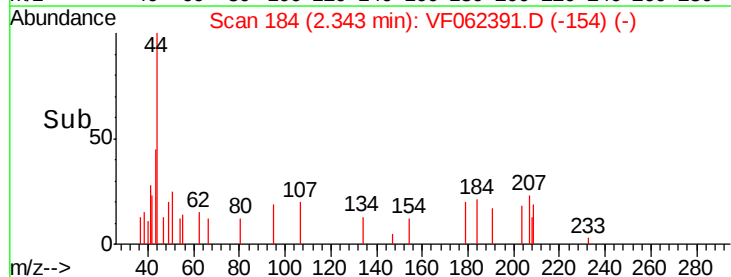
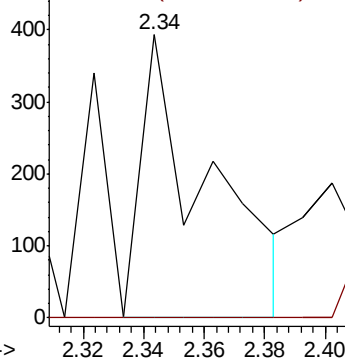
43 100

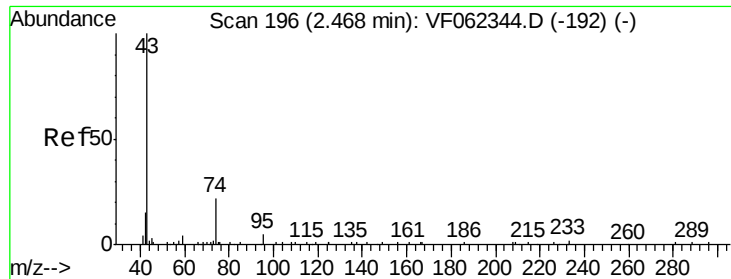
58 0.0 13.1 19.7#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

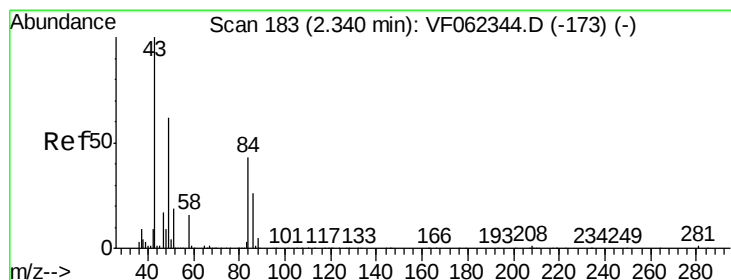
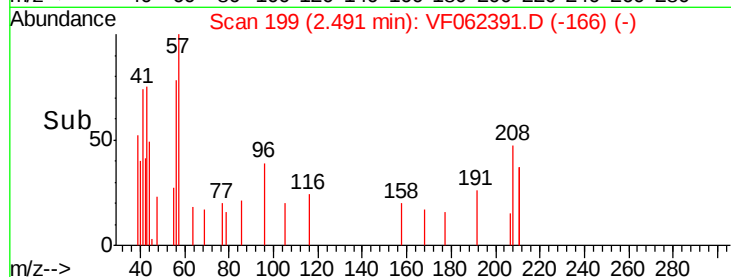
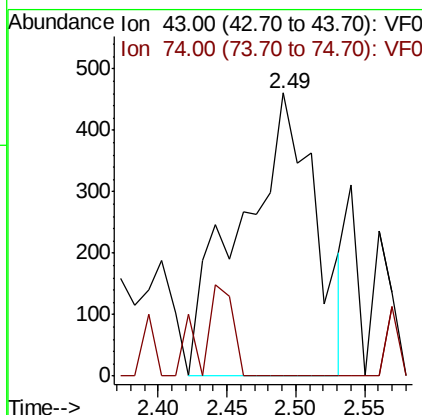
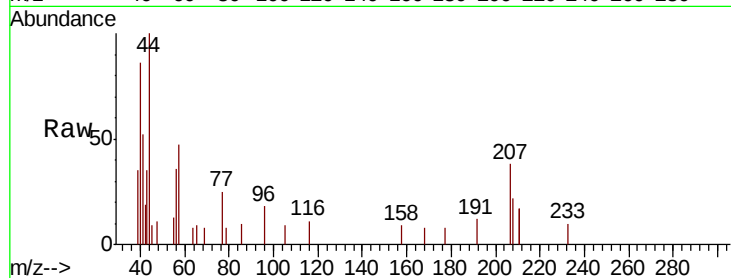




#18
Methvl Acetate
Concen: 12.121 ug/l
RT: 2.49 min Scan# 199
Delta R.T. 0.02 min
Lab File: VF062391.D
Acq: 8 May 2019 21:44

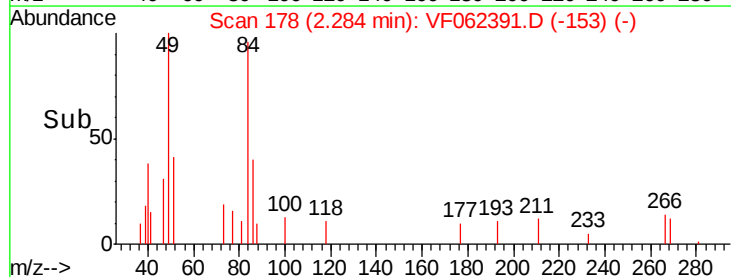
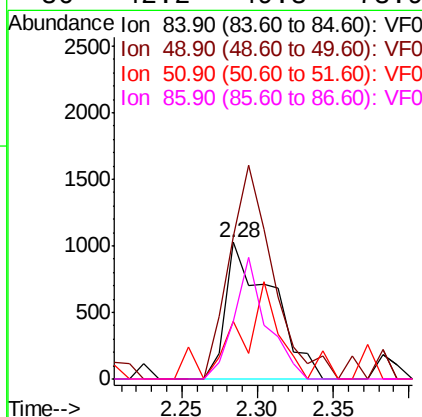
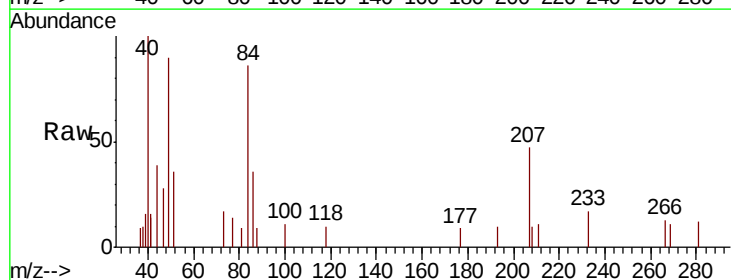
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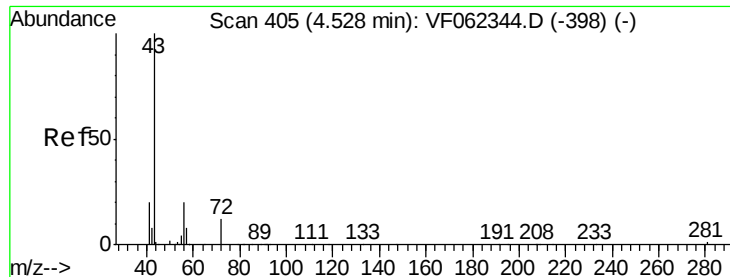
Tot Ion: 43 Resp: 1742
Ion Ratio Lower Upper
43 100
74 0.0 15.0 22.4#



#20
Methylene Chloride
Concen: 9.218 ug/l
RT: 2.28 min Scan# 178
Delta R.T. -0.06 min
Lab File: VF062391.D
Acq: 8 May 2019 21:44

Tgt Ion: 84 Resp: 2198
Ion Ratio Lower Upper
84 100
49 104.2 117.5 176.3#
51 42.5 37.0 55.4
86 42.2 49.3 73.9#





#25

2-Butanone

Concen: 3.382 ug/l

RT: 4.54 min Scan# 407

Delta R.T. 0.01 min

Lab File: VF062391.D

Acq: 8 May 2019 21:44

Instrument :

MSVOA_F

ClientSampleId :

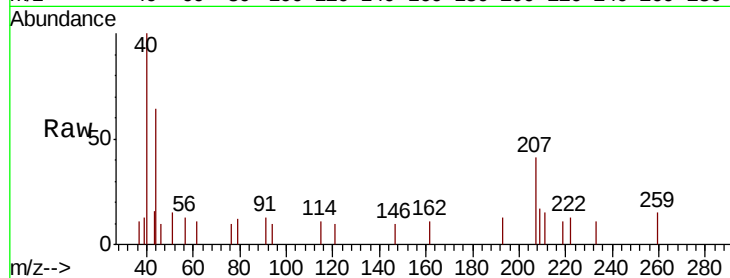
SB-04-1.0-1.5RE

Tot Ion: 43 Resp: 280

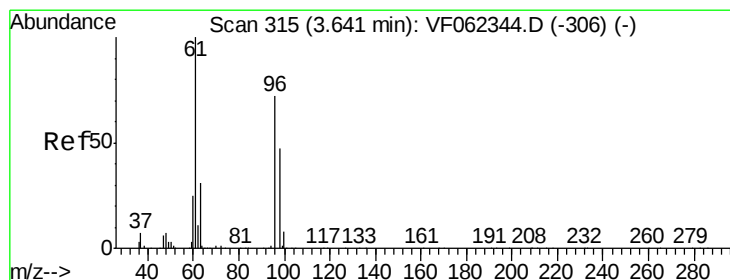
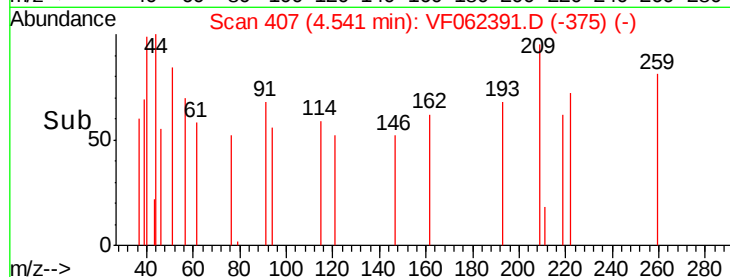
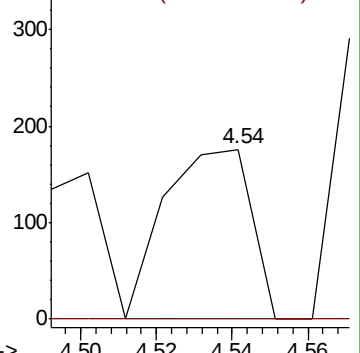
Ion Ratio Lower Upper

43 100

72 0.0 14.2 21.4#



Abundance Ion 43.00 (42.70 to 43.70): VF0



#27

cis-1,2-Dichloroethene

Concen: 1.153 ug/l

RT: 3.64 min Scan# 316

Delta R.T. 0.00 min

Lab File: VF062391.D

Acq: 8 May 2019 21:44

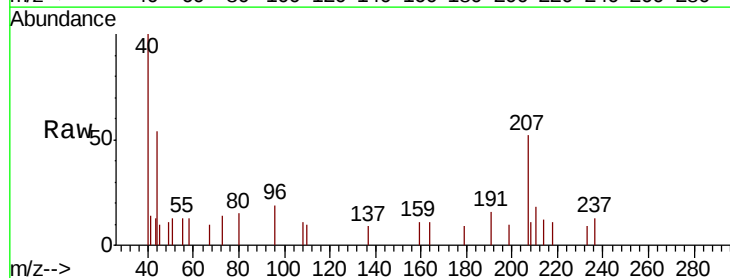
Tgt Ion: 96 Resp: 363

Ion Ratio Lower Upper

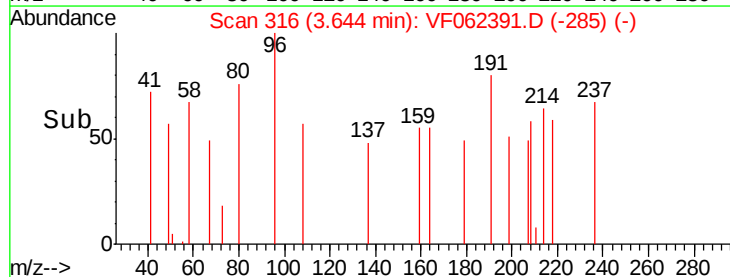
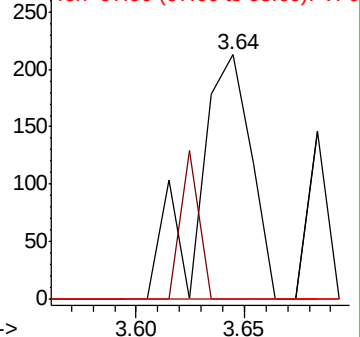
96 100

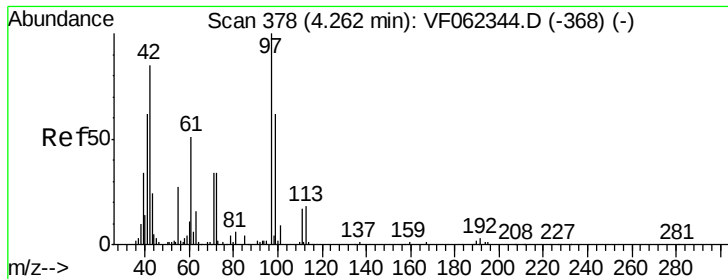
61 20.9 0.0 263.0

98 0.0 0.0 130.8



Abundance Ion 95.90 (95.60 to 96.60): VF0





#29

Tetrahydrofuran

Concen: 8.146 ug/l

RT: 4.29 min Scan# 381

Delta R.T. 0.02 min

Lab File: VF062391.D

Acq: 8 May 2019 21:44

Instrument :

MSVOA_F

ClientSampleId :

SB-04-1.0-1.5RE

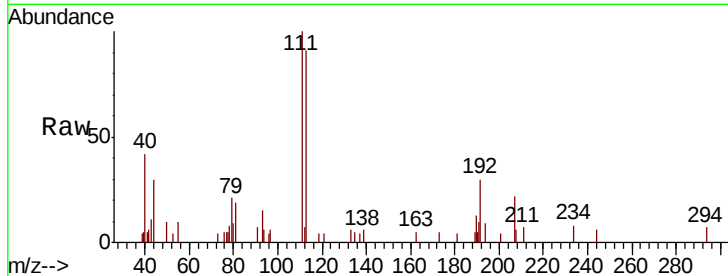
Tot Ion: 42 Resp: 310

Ion Ratio Lower Upper

42 100

72 0.0 31.4 47.0#

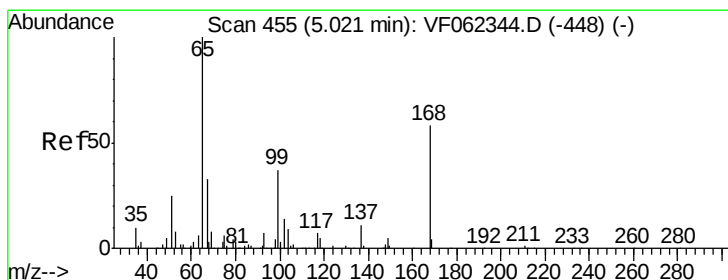
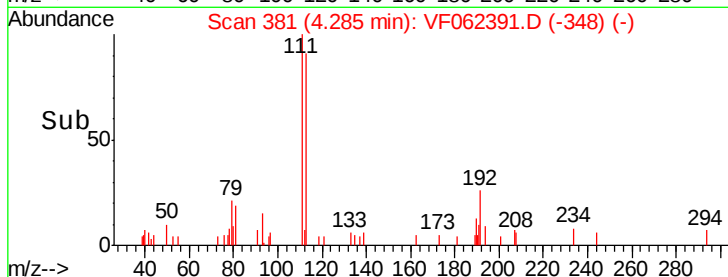
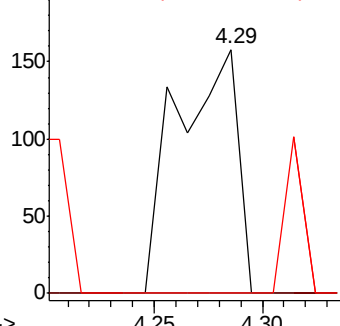
71 0.0 31.7 47.5#



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



#33

1,2-Dichloroethane-d4

Concen: 13.447 ug/l

RT: 5.01 min Scan# 455

Delta R.T. -0.01 min

Lab File: VF062391.D

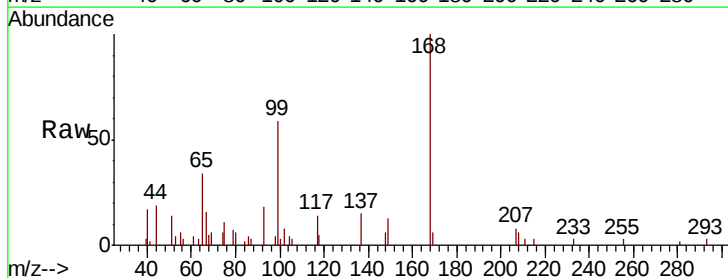
Acq: 8 May 2019 21:44

Tgt Ion: 65 Resp: 4381

Ion Ratio Lower Upper

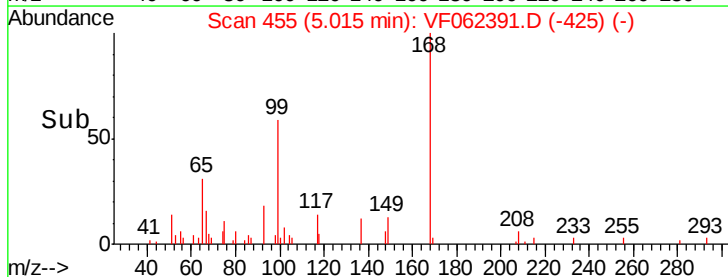
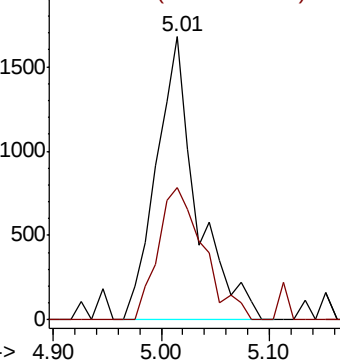
65 100

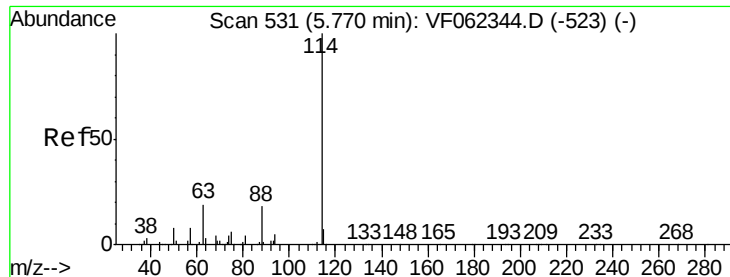
67 52.5 0.0 85.8



Abundance Ion 64.90 (64.60 to 65.60): VF0

Ion 66.90 (66.60 to 67.60): VF0

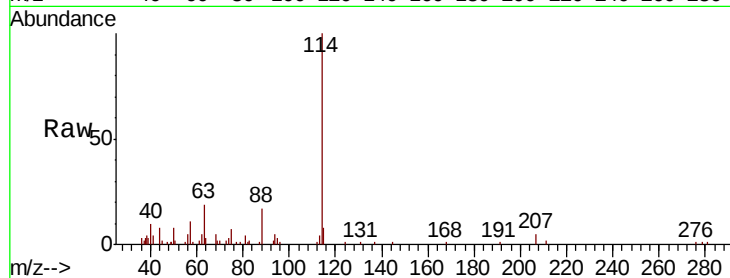




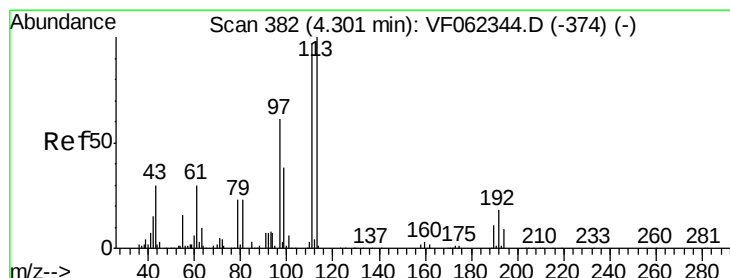
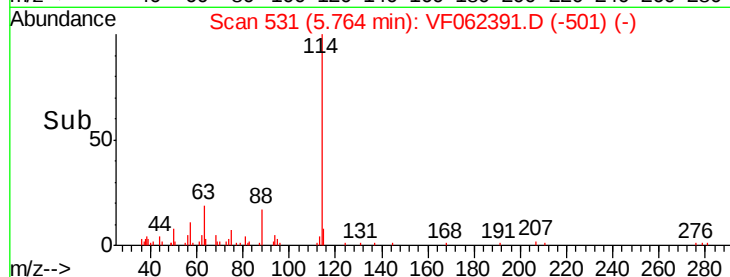
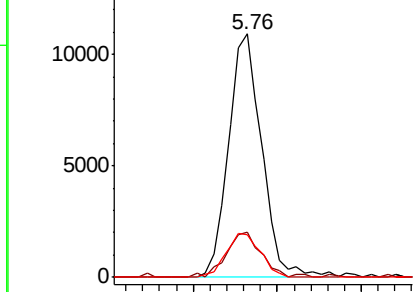
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.76 min Scan# 531
Delta R.T. -0.01 min
Lab File: VF062391.D
Acq: 8 May 2019 21:44

Instrument :
MSVOA_F
ClientSampleId :
SB-04-1.0-1.5RE

Tot Ion	Ratio	Lower	Upper
114	100		
63	18.7	0.0	37.4
88	17.4	0.0	36.4

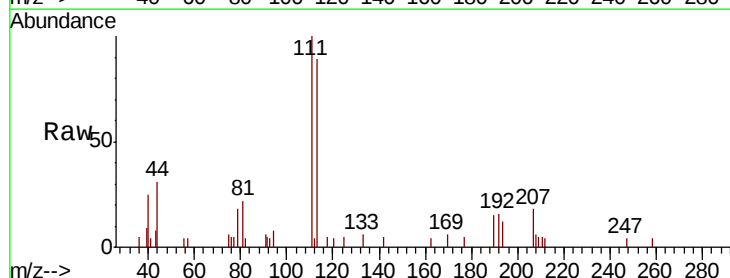


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VF0
Ion 87.90 (87.60 to 88.60): VF0

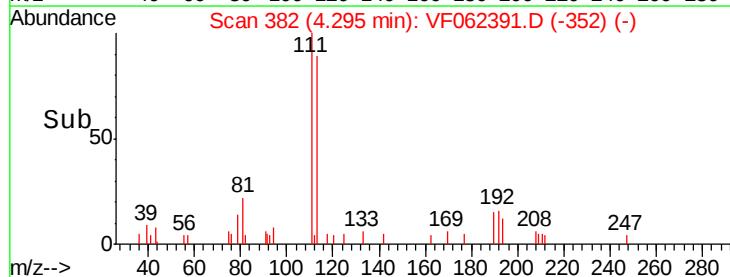
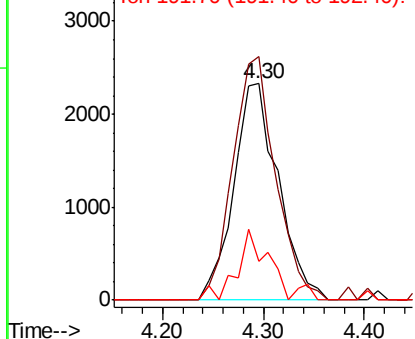


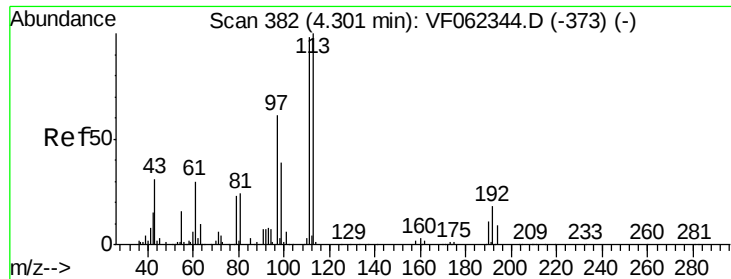
#35
Dibromofluoromethane
Concen: 29.927 ug/l
RT: 4.30 min Scan# 382
Delta R.T. -0.01 min
Lab File: VF062391.D
Acq: 8 May 2019 21:44

Tgt Ion	Ratio	Lower	Upper
113	100		
111	107.7	79.4	119.0
192	24.6	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

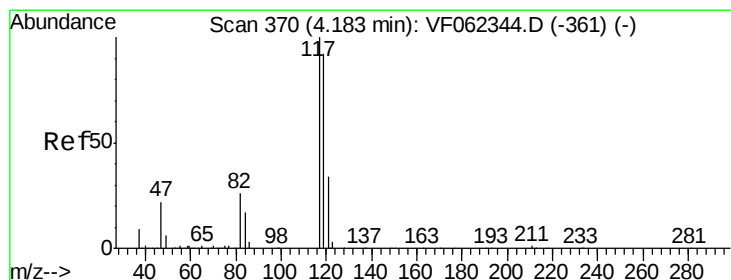
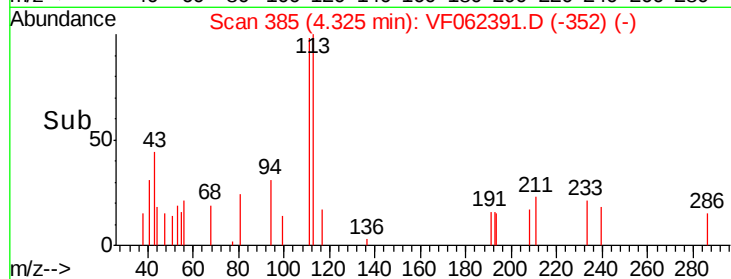
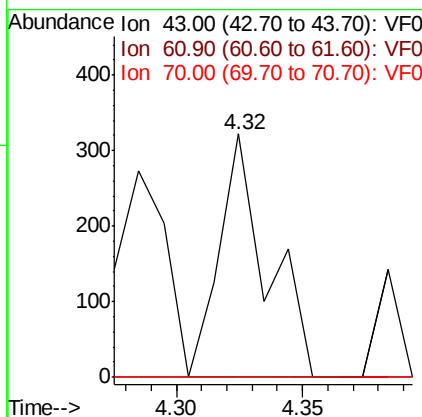
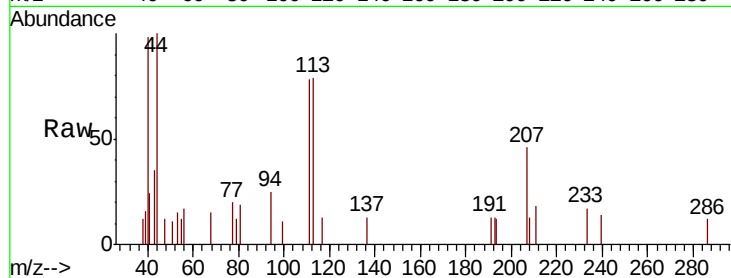




#37
Ethyl Acetate
Concen: Below Cal
RT: 4.32 min Scan# 385
Delta R.T. 0.02 min
Lab File: VF062391.D
Acq: 8 May 2019 21:44

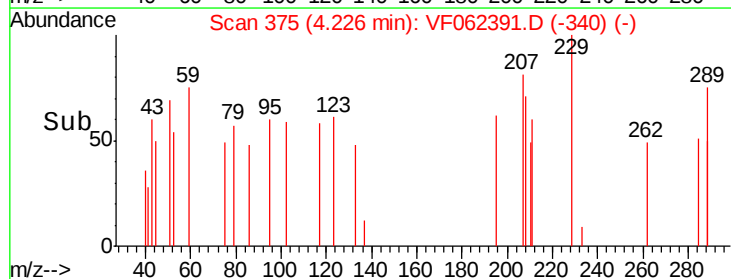
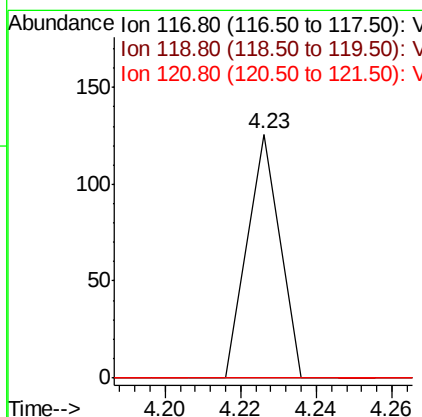
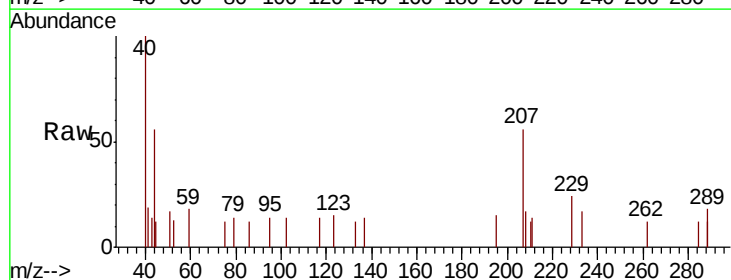
Instrument :
MSVOA_F
ClientSampleId :
SB-04-1.0-1.5RE

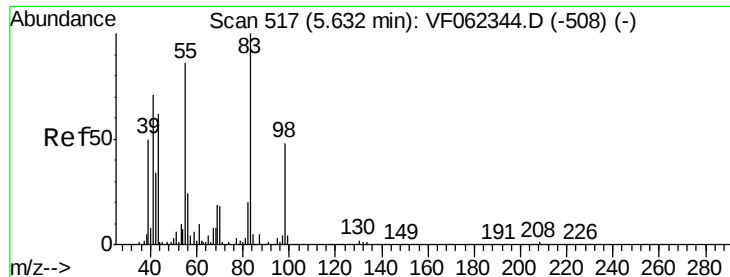
Tot Ion: 43 Resp: 425
Ion Ratio Lower Upper
43 100
61 0.0 0.0 0.0
70 0.0 8.2 12.2#



#38
Carbon Tetrachloride
Concen: Below Cal
RT: 4.23 min Scan# 375
Delta R.T. 0.04 min
Lab File: VF062391.D
Acq: 8 May 2019 21:44

Tgt Ion: 117 Resp: 75
Ion Ratio Lower Upper
117 100
119 0.0 73.4 110.2#
121 0.0 27.4 41.0#





#39

Methylcyclohexane

Concen: 2.016 ug/l

RT: 5.76 min Scan# 531

Delta R.T. 0.13 min

Lab File: VF062391.D

Acq: 8 May 2019 21:44

Instrument :

MSVOA_F

ClientSampleId :

SB-04-1.0-1.5RE

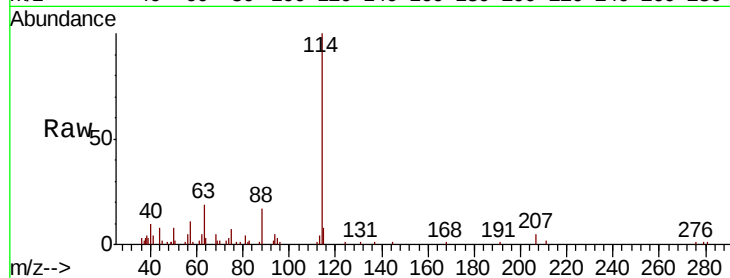
Tot Ion: 83 Resp: 522

Ion Ratio Lower Upper

83 100

55 60.6 69.0 103.6#

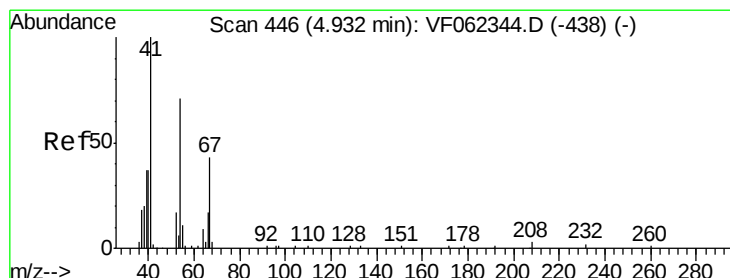
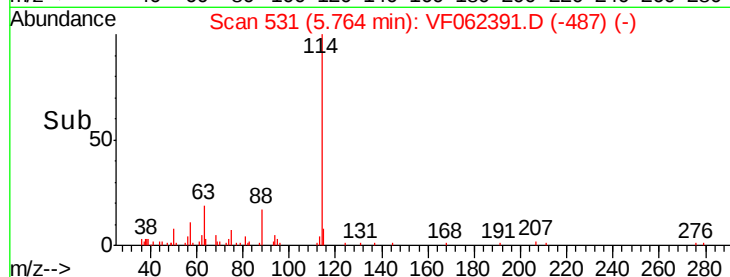
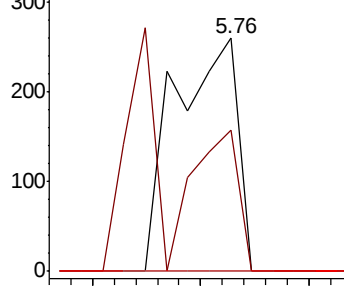
98 0.0 38.6 58.0#



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



#41

Methacrylonitrile

Concen: 8.838 ug/l

RT: 4.95 min Scan# 448

Delta R.T. 0.01 min

Lab File: VF062391.D

Acq: 8 May 2019 21:44

Tgt Ion: 41 Resp: 547

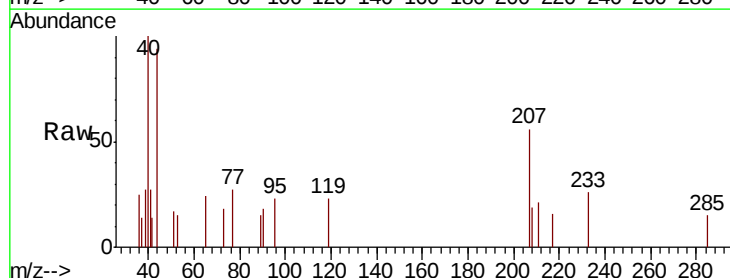
Ion Ratio Lower Upper

41 100

39 80.3 54.3 81.5

67 0.0 37.8 56.8#

52 0.0 58.2 87.4#

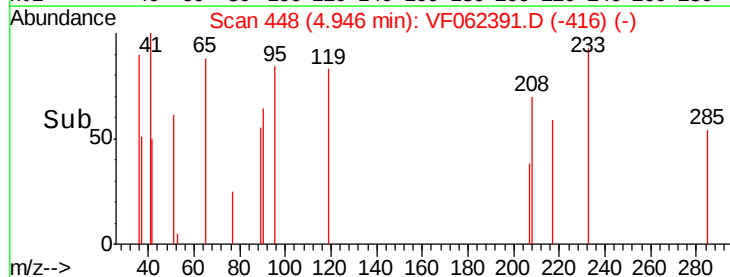
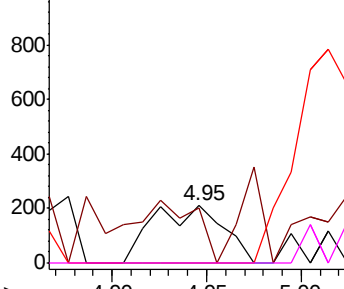


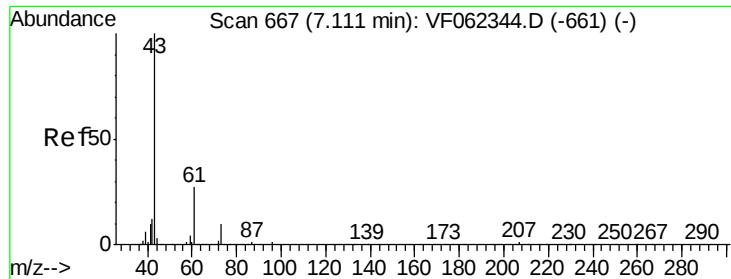
Abundance Ion 41.00 (40.70 to 41.70): VF0

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





#43

Isopropyl Acetate

Concen: 1.235 ug/l

RT: 7.10 min Scan# 667

Delta R.T. -0.01 min

Lab File: VF062391.D

Acq: 8 May 2019 21:44

Instrument :

MSVOA_F

ClientSampleId :

SB-04-1.0-1.5RE

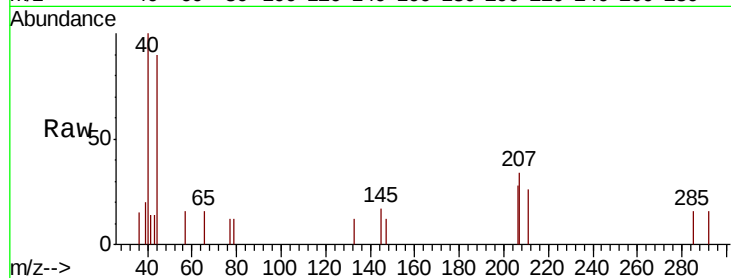
Tot Ion: 43 Resp: 145

Ion Ratio Lower Upper

43 100

61 0.0 22.8 34.2#

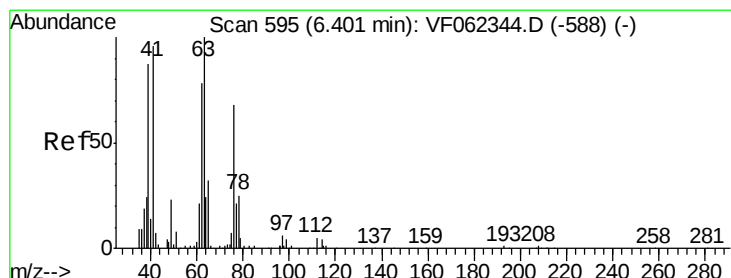
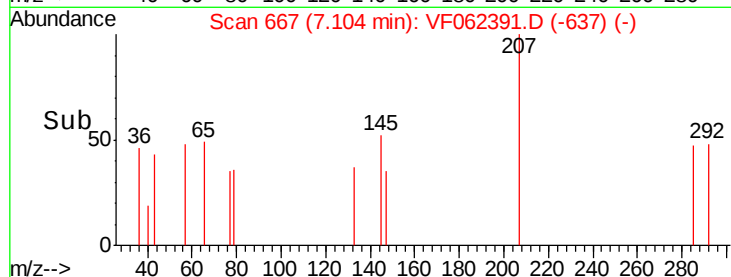
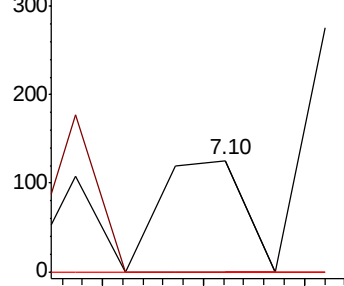
87 0.0 0.6 1.0#



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



#45

1,2-Dichloropropane

Concen: 1.072 ug/l

RT: 6.42 min Scan# 598

Delta R.T. 0.02 min

Lab File: VF062391.D

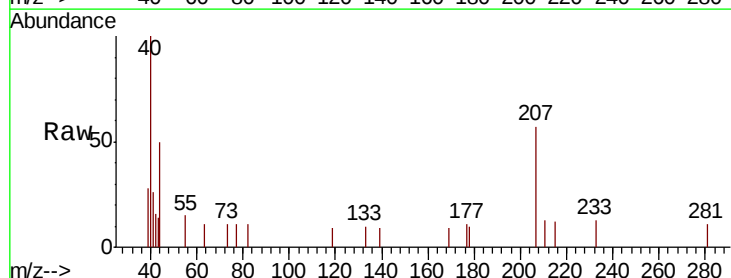
Acq: 8 May 2019 21:44

Tgt Ion: 63 Resp: 138

Ion Ratio Lower Upper

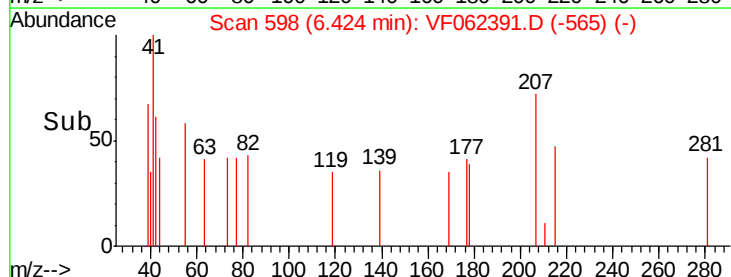
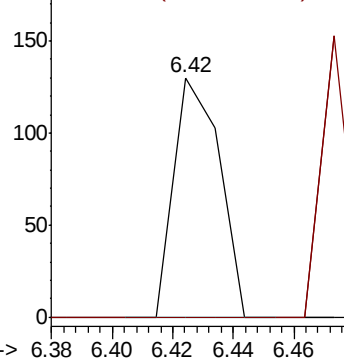
63 100

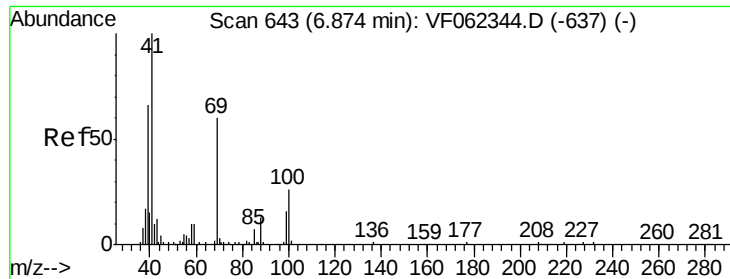
65 0.0 25.6 38.4#



Abundance Ion 62.90 (62.60 to 63.60): VF0

Ion 64.90 (64.60 to 65.60): VF0

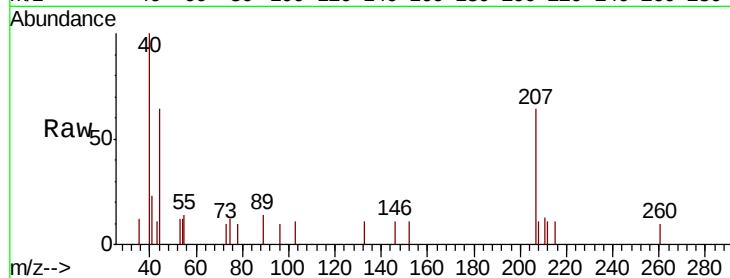




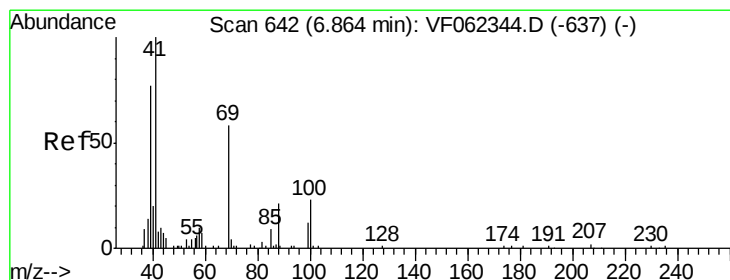
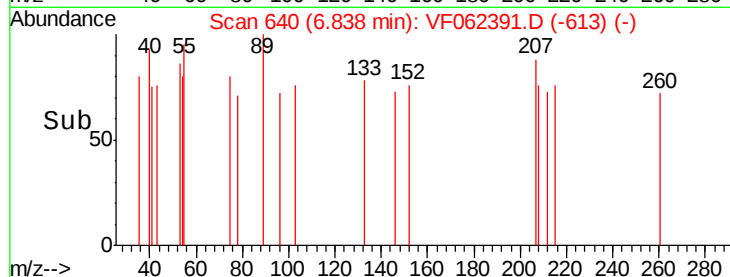
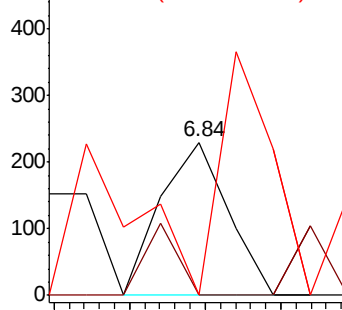
#48
Methyl methacrylate
Concen: 3.423 ug/l
RT: 6.84 min Scan# 640
Delta R.T. -0.04 min
Lab File: VF062391.D
Acq: 8 May 2019 21:44

Instrument :
MSVOA_F
ClientSampleId :
SB-04-1.0-1.5RE

Tot Ion: 41 Resp: 284
Ion Ratio Lower Upper
41 100
69 22.5 48.6 72.8#
39 0.0 56.1 84.1#

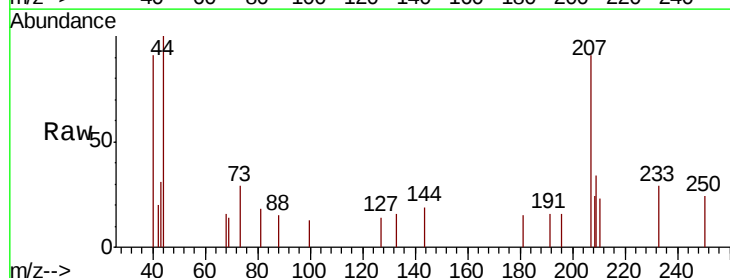


Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 39.00 (38.70 to 39.70): VF0

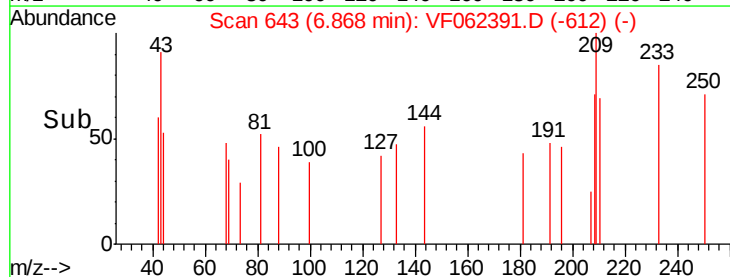
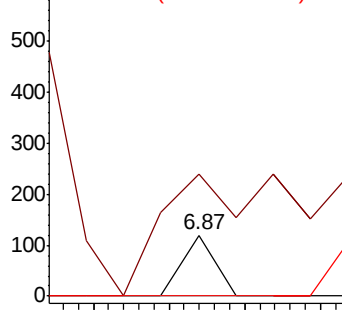


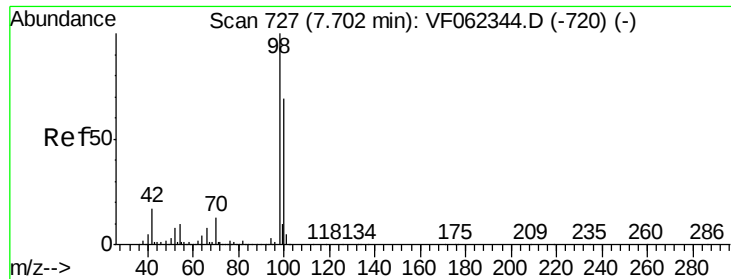
#49
1,4-Dioxane
Concen: 71.067 ug/l
RT: 6.87 min Scan# 643
Delta R.T. 0.00 min
Lab File: VF062391.D
Acq: 8 May 2019 21:44

Tgt Ion: 88 Resp: 71
Ion Ratio Lower Upper
88 100
43 466.2 55.6 83.4#
58 0.0 52.8 79.2#



Abundance Ion 88.00 (87.70 to 88.70): VF0
Ion 43.00 (42.70 to 43.70): VF0
Ion 58.00 (57.70 to 58.70): VF0





#50

Toluene-d8

Concen: 36.788 ug/l

RT: 7.70 min Scan# 727

Delta R.T. -0.01 min

Lab File: VF062391.D

Acq: 8 May 2019 21:44

Instrument :

MSVOA_F

ClientSampleId :

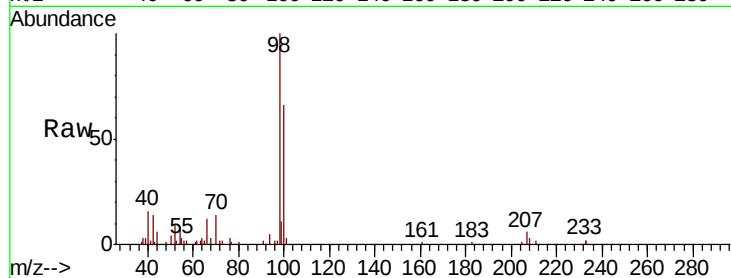
SB-04-1.0-1.5RE

Tot Ion: 98 Resp: 21317

Ion Ratio Lower Upper

98 100

100 62.9 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

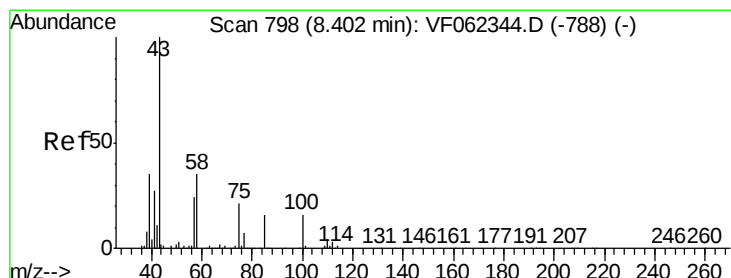
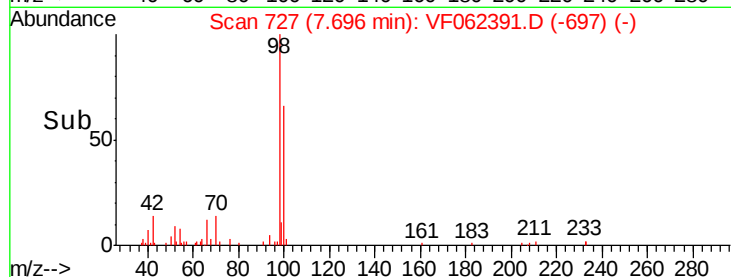
4000

2000

0

Time-->

7.60 7.70 7.80



#51

4-Methyl-2-Pentanone

Concen: 5.699 ug/l

RT: 8.38 min Scan# 796

Delta R.T. -0.03 min

Lab File: VF062391.D

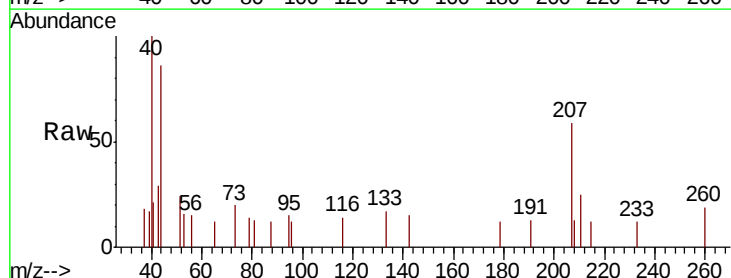
Acq: 8 May 2019 21:44

Tgt Ion: 43 Resp: 507

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

8.38

250

200

150

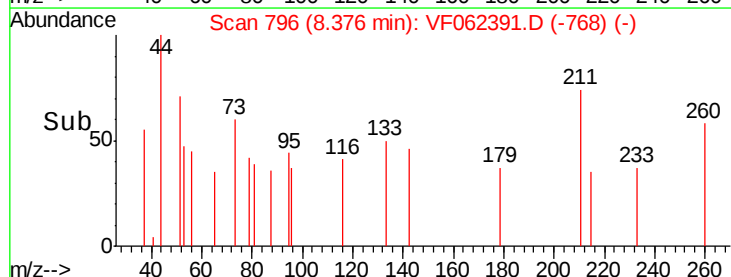
100

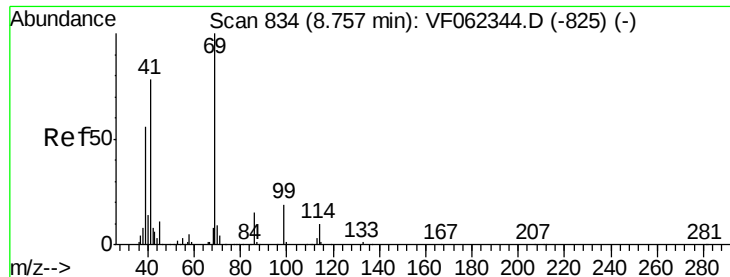
50

0

Time-->

8.35 8.40 8.45





#56

Ethyl methacrylate

Concen: 3.294 ug/l

RT: 8.76 min Scan# 835

Delta R.T. 0.00 min

Lab File: VF062391.D

Acq: 8 May 2019 21:44

Instrument :

MSVOA_F

ClientSampleID :

SB-04-1.0-1.5RE

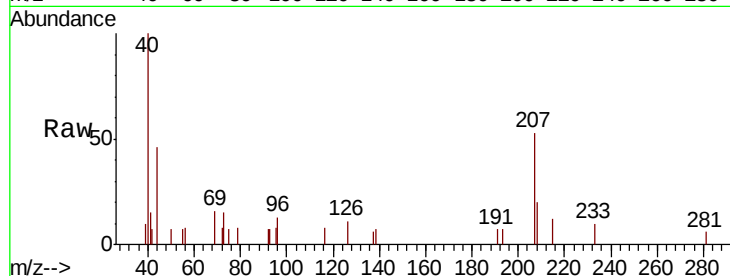
Tot Ion: 69 Resp: 387

Ion Ratio Lower Upper

69 100

41 100.5 66.3 99.5#

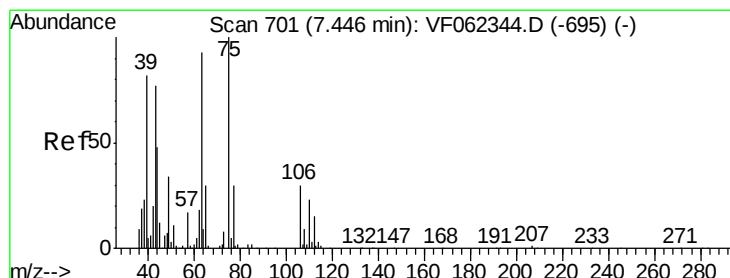
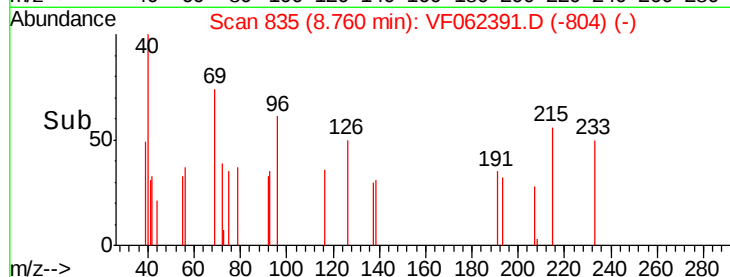
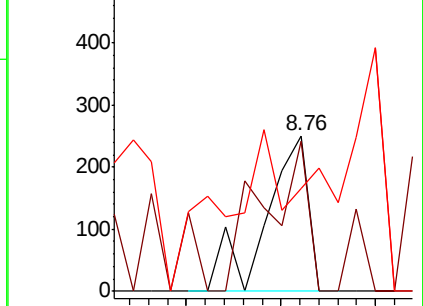
39 165.9 50.1 75.1#



Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 2.859 ug/l

RT: 7.41 min Scan# 698

Delta R.T. -0.04 min

Lab File: VF062391.D

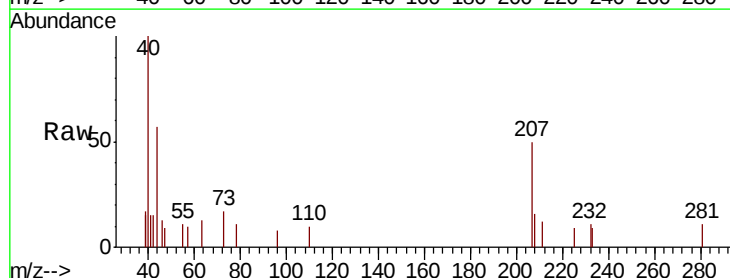
Acq: 8 May 2019 21:44

Tgt Ion: 63 Resp: 101

Ion Ratio Lower Upper

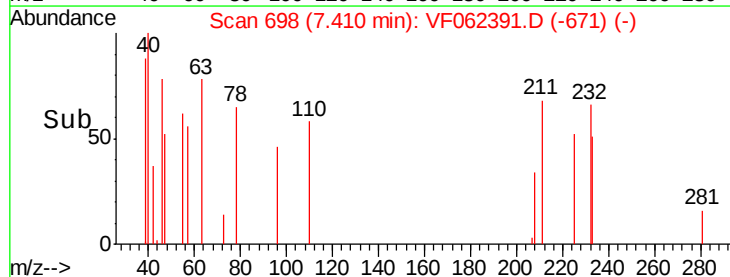
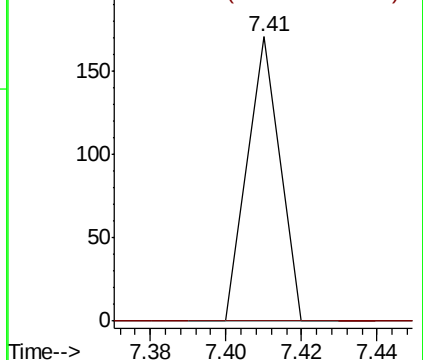
63 100

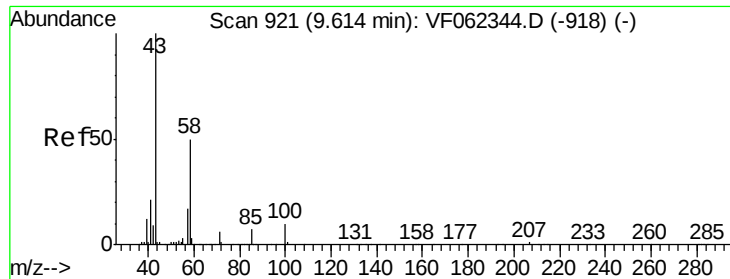
106 0.0 25.8 38.8#



Abundance Ion 62.90 (62.60 to 63.60): VF0

Ion 105.90 (105.60 to 106.60): V

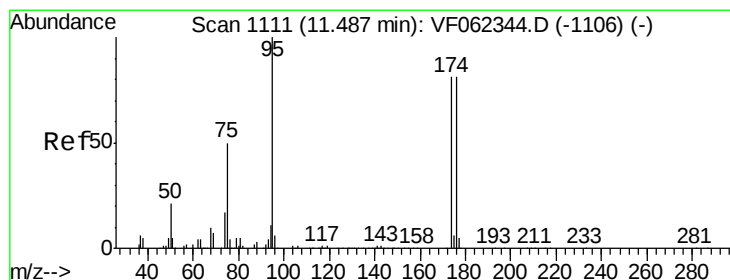
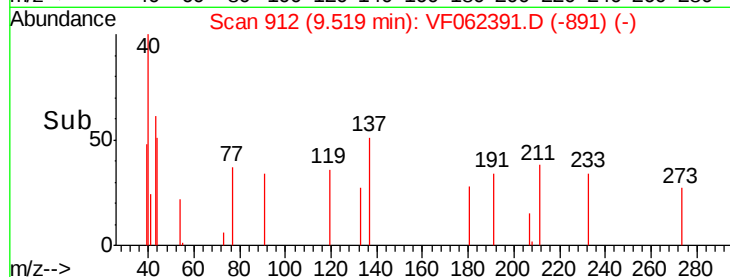
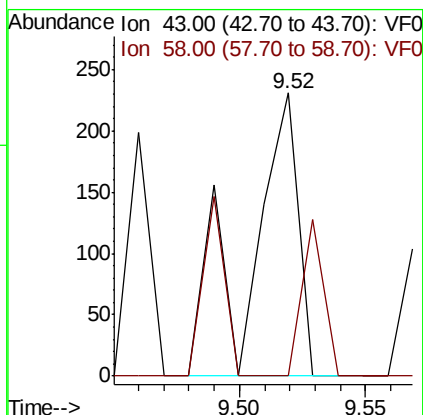
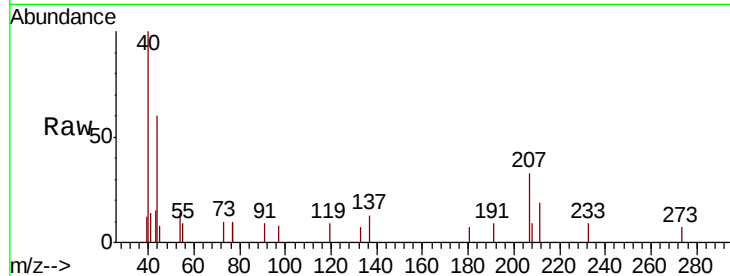




#59
2-Hexanone
Concen: 5.071 ug/l
RT: 9.52 min Scan# 912
Delta R.T. -0.10 min
Lab File: VF062391.D
Acq: 8 May 2019 21:44

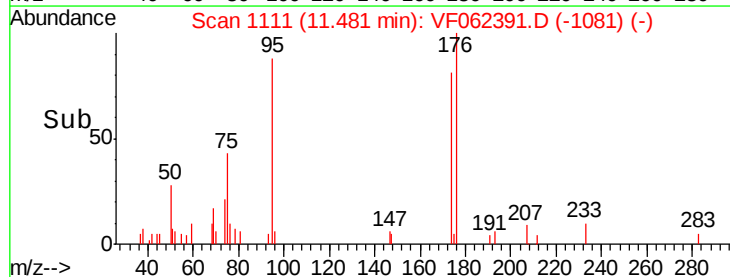
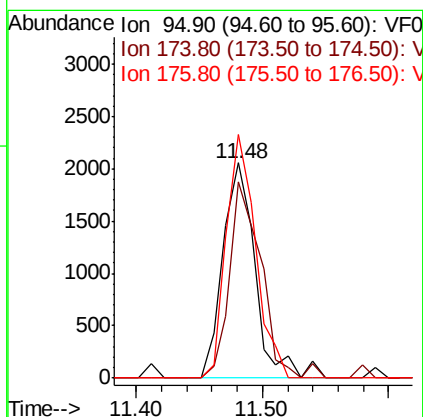
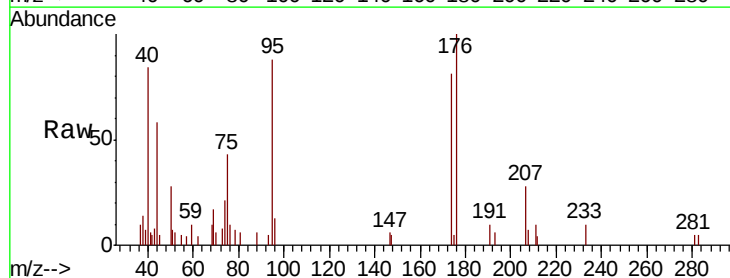
Instrument :
MSVOA_F
ClientSampleId :
SB-04-1.0-1.5RE

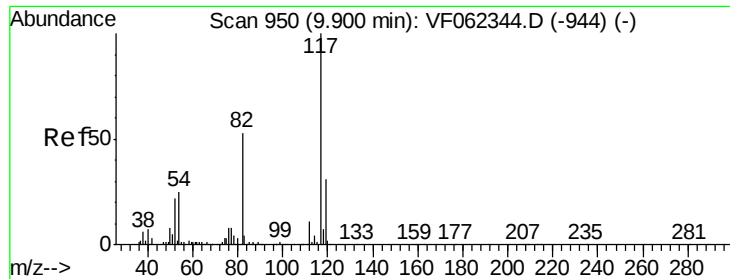
Tot Ion: 43 Resp: 312
Ion Ratio Lower Upper
43 100
58 24.4 24.3 73.0



#62
4-Bromofluorobenzene
Concen: 13.939 ug/l
RT: 11.48 min Scan# 1111
Delta R.T. -0.01 min
Lab File: VF062391.D
Acq: 8 May 2019 21:44

Tgt Ion: 95 Resp: 3644
Ion Ratio Lower Upper
95 100
174 86.8 0.0 191.8
176 102.2 0.0 193.2

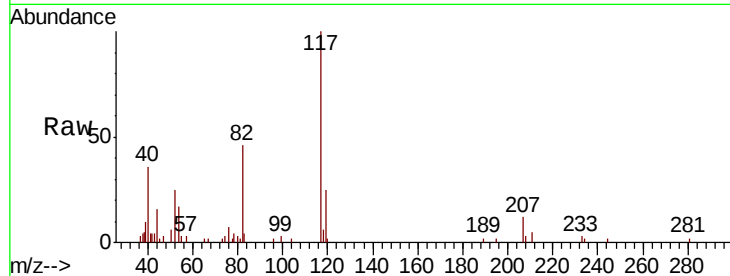




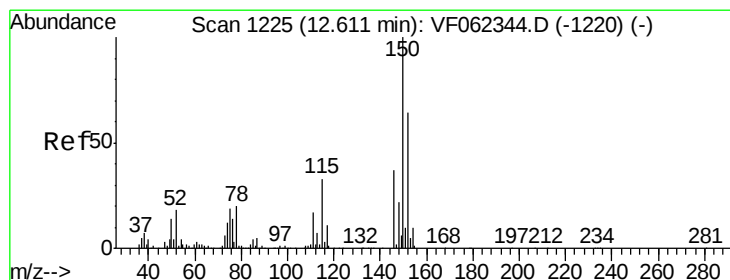
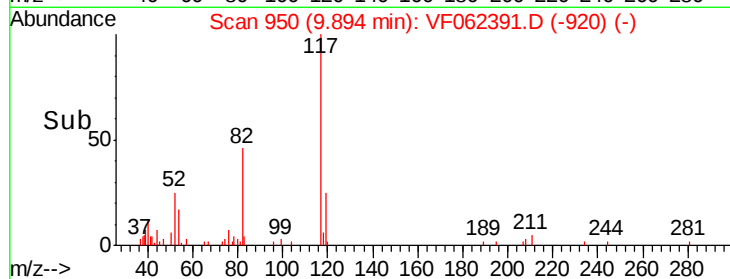
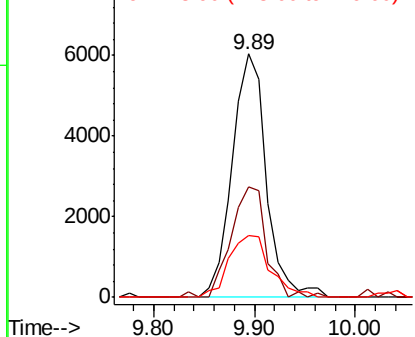
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.89 min Scan# 950
Delta R.T. -0.01 min
Lab File: VF062391.D
Acq: 8 May 2019 21:44

Instrument :
MSVOA_F
ClientSampleId :
SB-04-1.0-1.5RE

Tot Ion:117 Resp: 14265
Ion Ratio Lower Upper
117 100
82 45.6 42.2 63.2
119 25.4 25.0 37.4

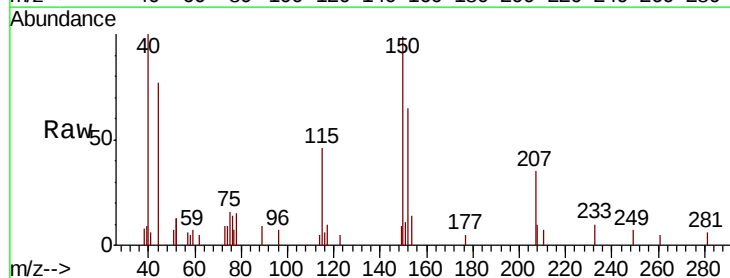


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 118.90 (118.60 to 119.60): V

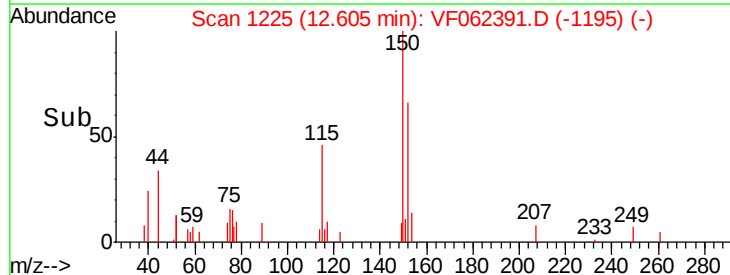
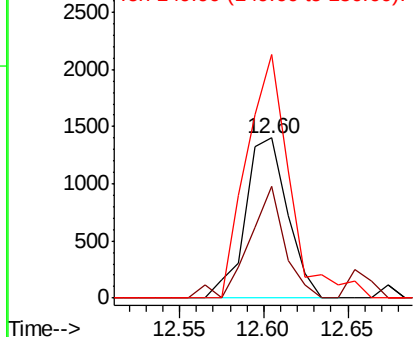


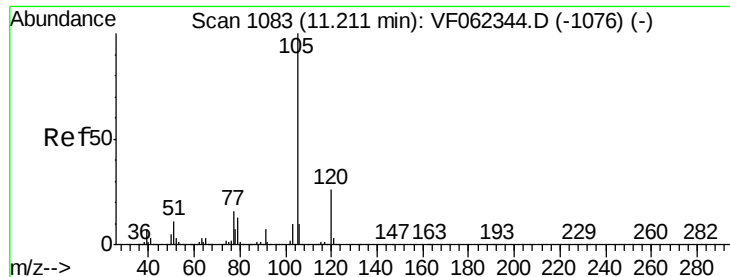
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.60 min Scan# 1225
Delta R.T. -0.01 min
Lab File: VF062391.D
Acq: 8 May 2019 21:44

Tgt Ion:152 Resp: 2435
Ion Ratio Lower Upper
152 100
115 59.2 26.4 79.2
150 155.6 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: 2.050 ug/l

RT: 11.21 min Scan# 1084

Delta R.T. 0.00 min

Lab File: VF062391.D

Acq: 8 May 2019 21:44

Instrument :

MSVOA_F

ClientSampleId :

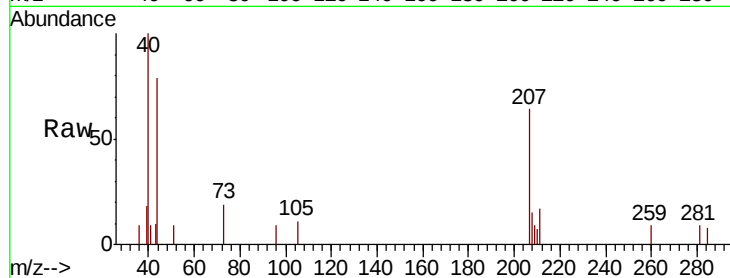
SB-04-1.0-1.5RE

Tot Ion:105 Resp: 296

Ion Ratio Lower Upper

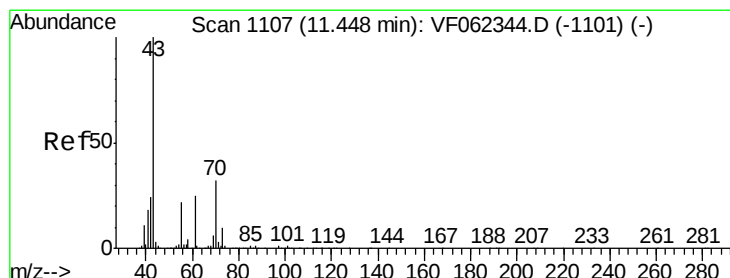
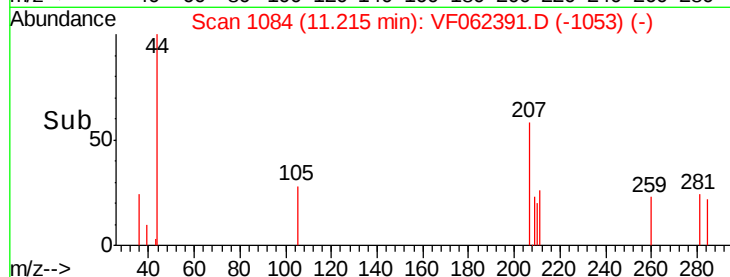
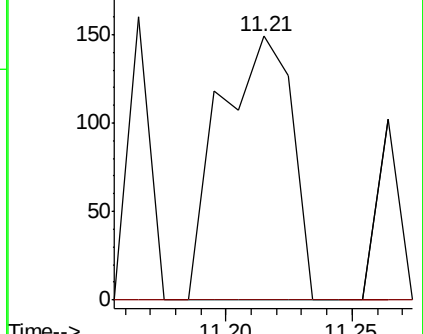
105 100

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



#74

N-ethyl acetate

Concen: 4.292 ug/l

RT: 11.43 min Scan# 1106

Delta R.T. -0.02 min

Lab File: VF062391.D

Acq: 8 May 2019 21:44

Tgt Ion: 43 Resp: 133

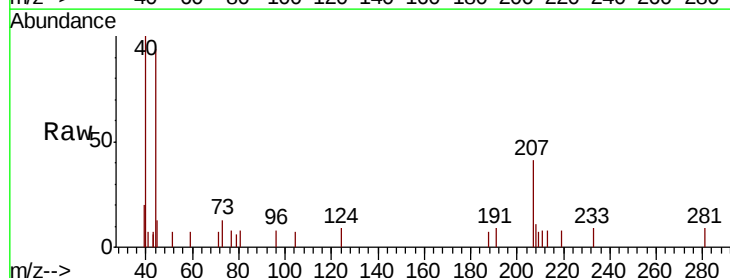
Ion Ratio Lower Upper

43 100

70 0.0 26.5 39.7#

55 65.4 17.8 26.6#

61 0.0 20.2 30.2#

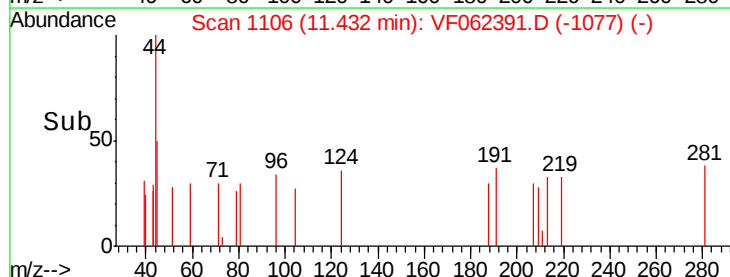
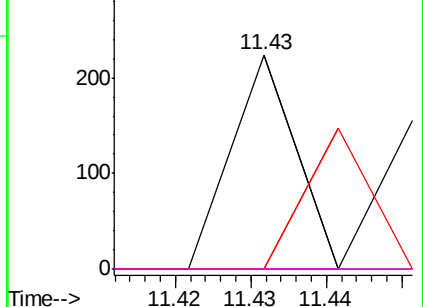


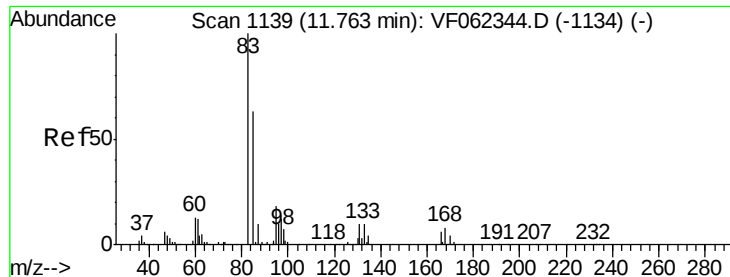
Abundance Ion 43.00 (42.70 to 43.70): VF0

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





#75

1,1,2,2-Tetrachloroethane

Concen: 2.920 ug/l

RT: 11.86 min Scan# 1149

Delta R.T. 0.09 min

Lab File: VF062391.D

Acq: 8 May 2019 21:44

Instrument :

MSVOA_F

ClientSampleId :

SB-04-1.0-1.5RE

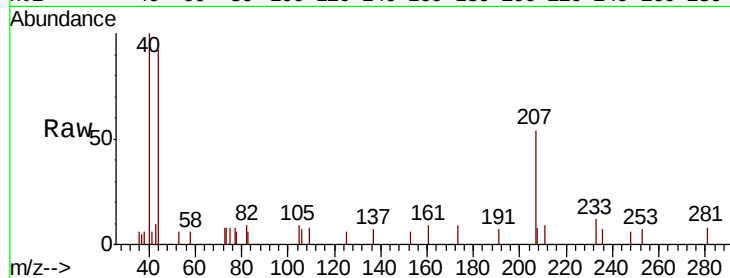
Tot Ion: 83 Resp: 66

Ion Ratio Lower Upper

83 100

131 0.0 5.8 17.4#

85 0.0 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

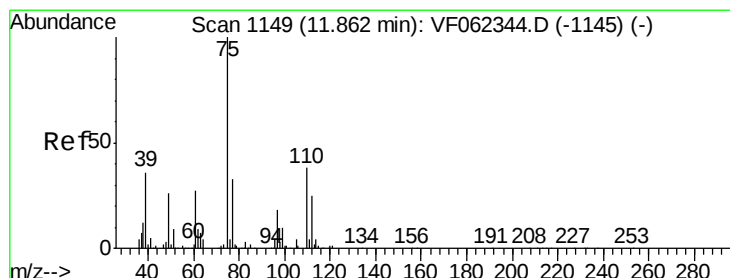
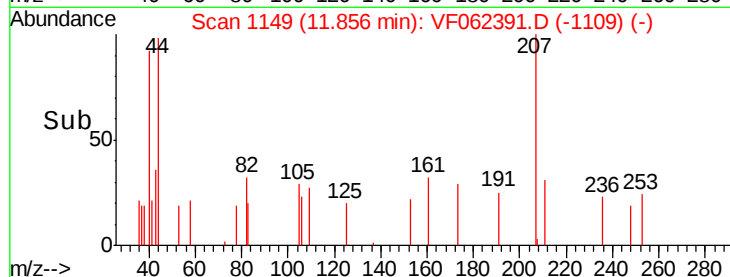
11.86

100

50

0

11.82 11.84 11.86 11.88



#76

1,2,3-Trichloropropane

Concen: 11.134 ug/l

RT: 11.85 min Scan# 1148

Delta R.T. -0.02 min

Lab File: VF062391.D

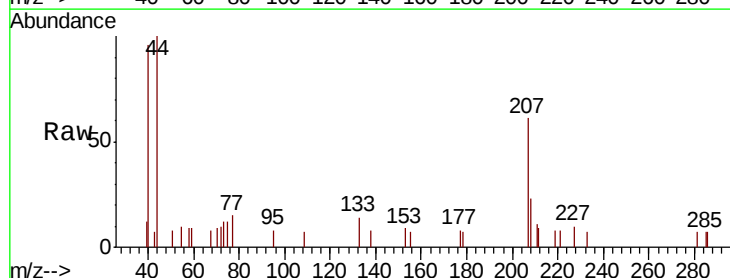
Acq: 8 May 2019 21:44

Tgt Ion: 75 Resp: 192

Ion Ratio Lower Upper

75 100

77 483.9 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 77.00 (76.70 to 77.70): VF0

250

200

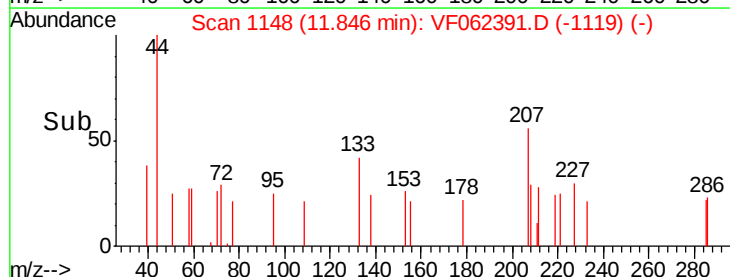
150

100

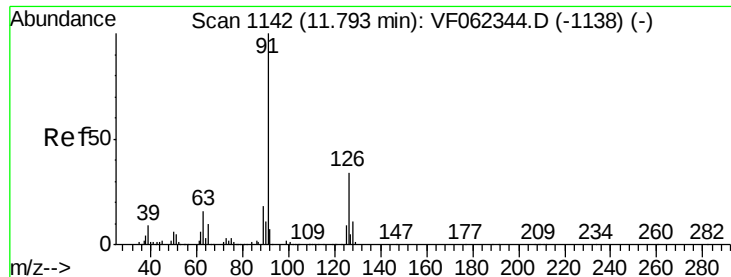
50

0

11.85



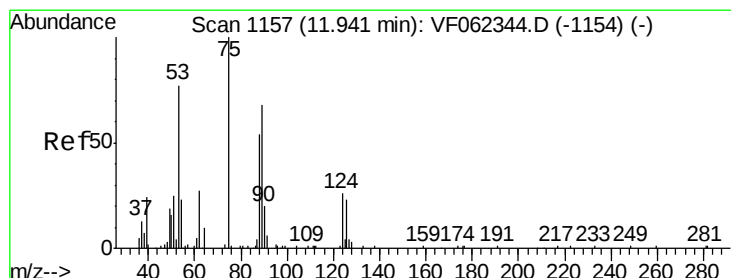
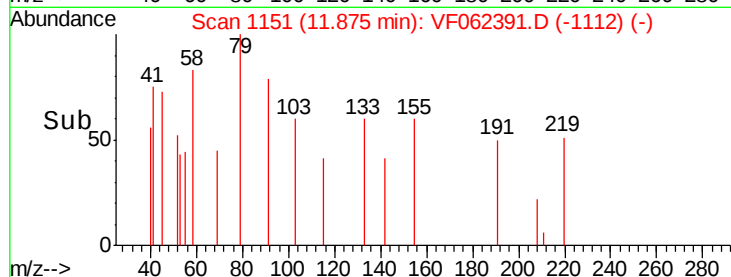
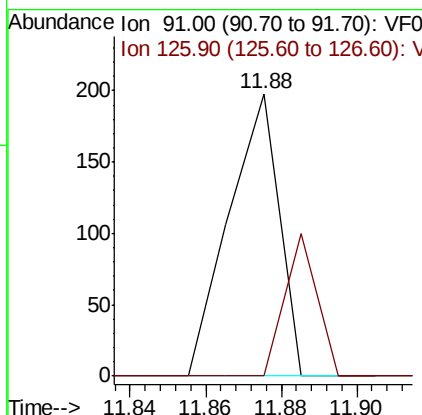
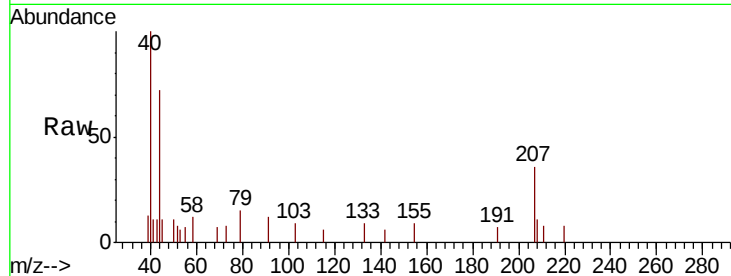
Time-->



#79
2-Chlorotoluene
Concen: 1.883 ug/l
RT: 11.88 min Scan# 1151
Delta R.T. 0.08 min
Lab File: VF062391.D
Acq: 8 May 2019 21:44

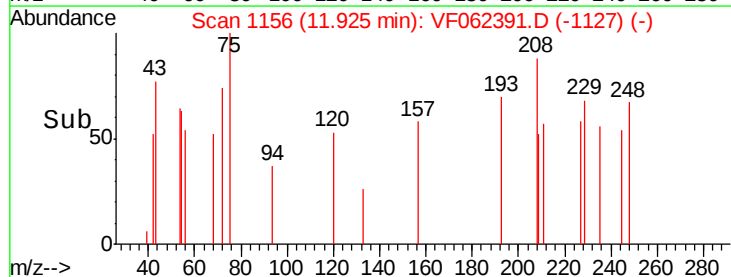
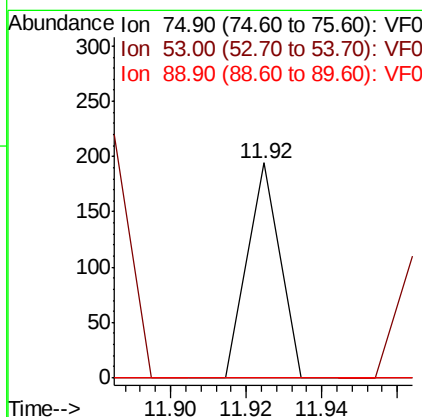
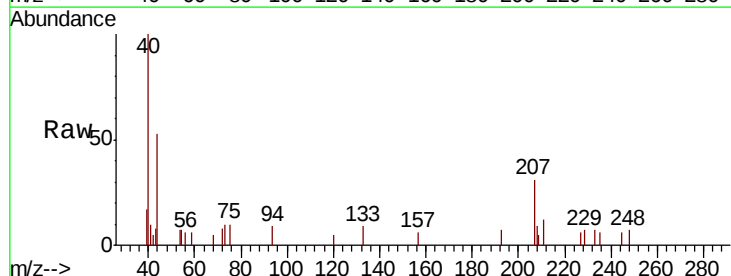
Instrument :
MSVOA_F
ClientSampleId :
SB-04-1.0-1.5RE

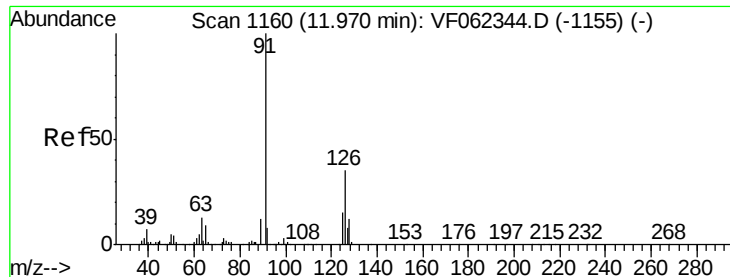
Tot Ion: 91 Resp: 180
Ion Ratio Lower Upper
91 100
126 32.8 17.8 53.4



#81
trans-1,4-Dichloro-2-butene
Concen: 17.742 ug/l
RT: 11.92 min Scan# 1156
Delta R.T. -0.02 min
Lab File: VF062391.D
Acq: 8 May 2019 21:44

Tgt Ion: 75 Resp: 115
Ion Ratio Lower Upper
75 100
53 0.0 71.9 107.9#
89 0.0 0.0 0.0





#82

4-Chlorotoluene

Concen: 1.441 ug/l

RT: 12.03 min Scan# 1167

Delta R.T. 0.06 min

Lab File: VF062391.D

Acq: 8 May 2019 21:44

Instrument :

MSVOA_F

ClientSampleId :

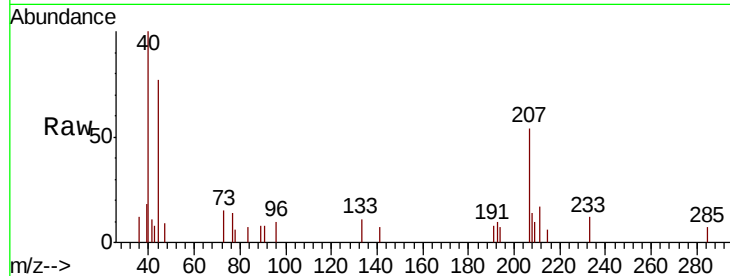
SB-04-1.0-1.5RE

Tot Ion: 91 Resp: 136

Ion Ratio Lower Upper

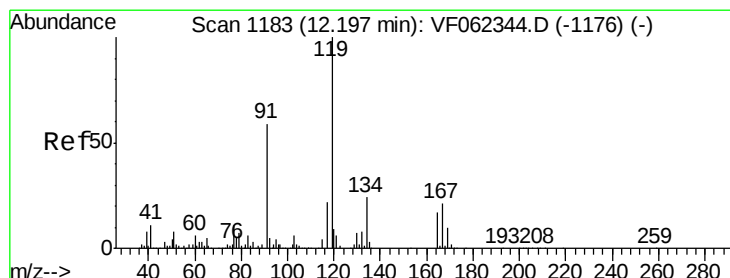
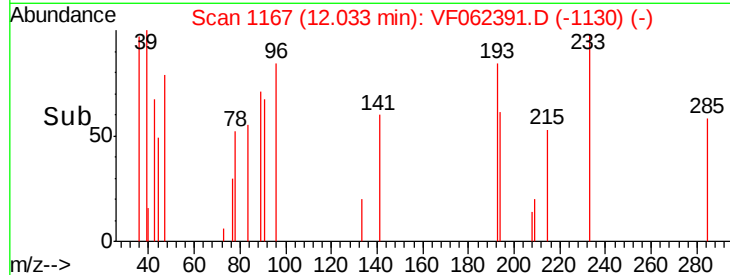
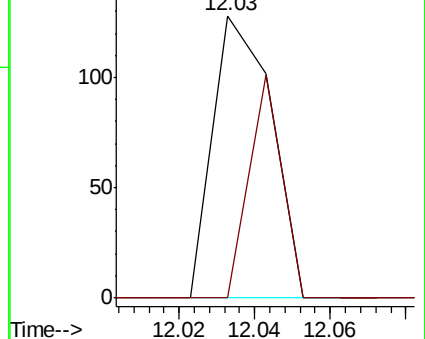
91 100

126 44.1 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: 1.369 ug/l

RT: 12.19 min Scan# 1183

Delta R.T. -0.01 min

Lab File: VF062391.D

Acq: 8 May 2019 21:44

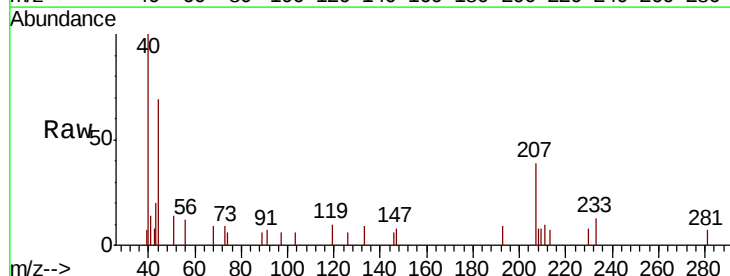
Tgt Ion: 119 Resp: 182

Ion Ratio Lower Upper

119 100

91 111.0 30.4 91.3#

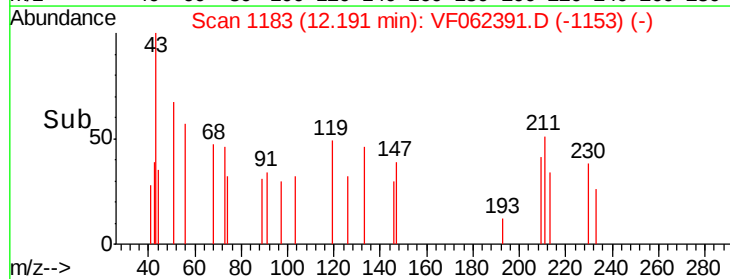
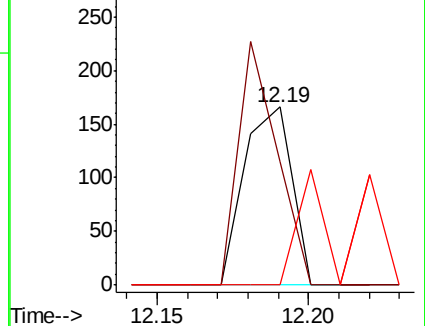
134 68.7 11.9 35.7#

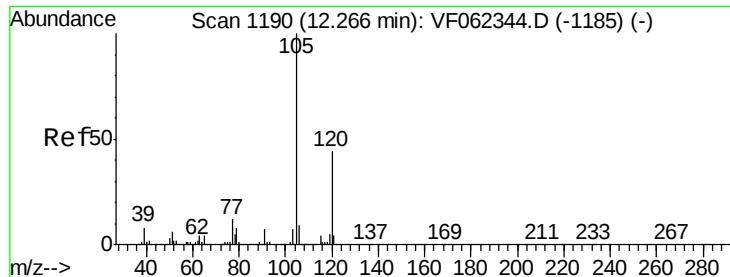


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VF0

Ion 134.00 (133.70 to 134.70): V

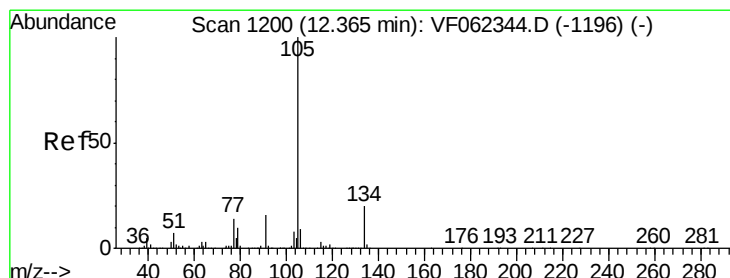
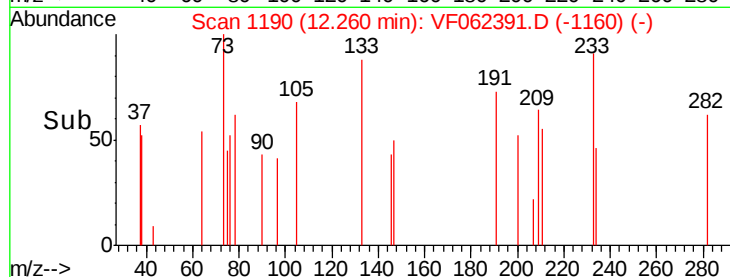
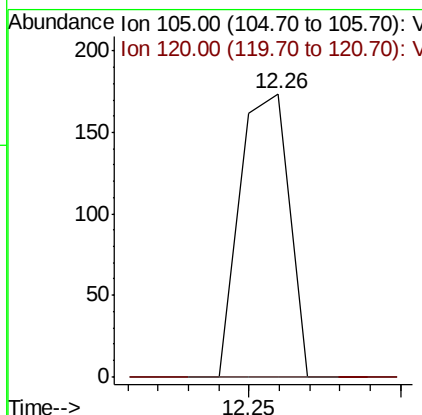
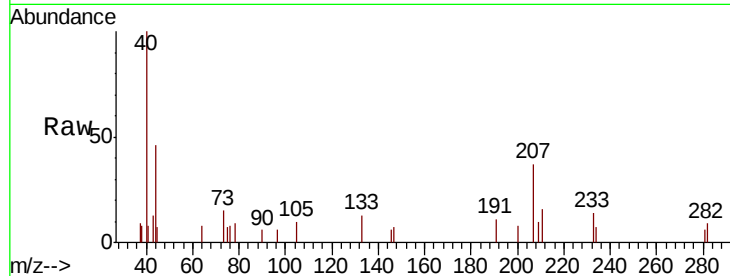




#84
 1,2,4-Trimethylbenzene
 Concen: 1.607 ug/l
 RT: 12.26 min Scan# 1190
 Delta R.T. -0.01 min
 Lab File: VF062391.D
 Acq: 8 May 2019 21:44

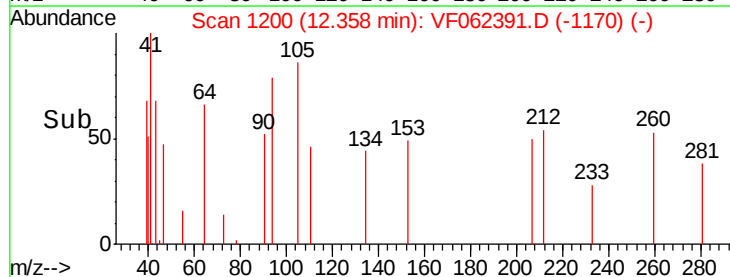
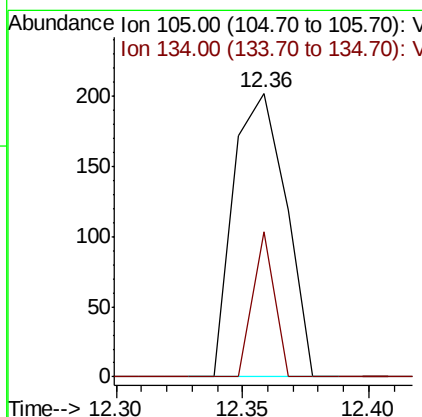
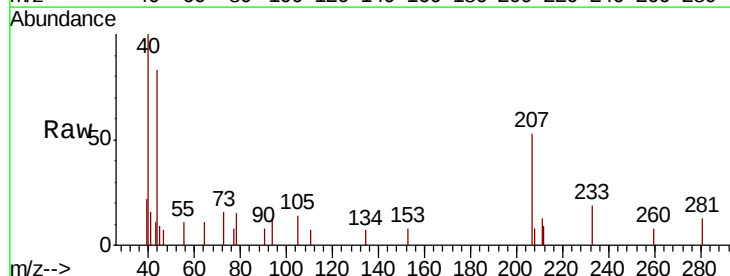
Instrument :
 MSVOA_F
 ClientSampleId :
 SB-04-1.0-1.5RE

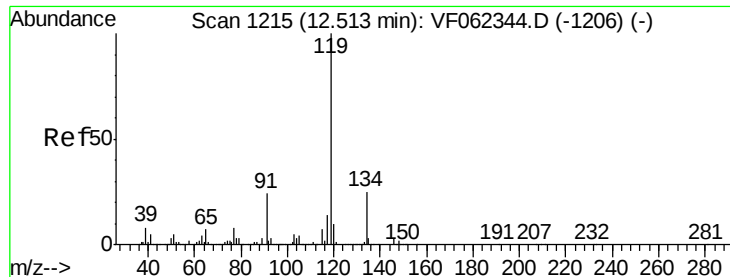
Tot Ion:105 Resp: 199
 Ion Ratio Lower Upper
 105 100
 120 0.0 22.6 67.7#



#85
 sec-Butylbenzene
 Concen: 1.804 ug/l
 RT: 12.36 min Scan# 1200
 Delta R.T. -0.01 min
 Lab File: VF062391.D
 Acq: 8 May 2019 21:44

Tgt Ion:105 Resp: 292
 Ion Ratio Lower Upper
 105 100
 134 20.9 9.8 29.5

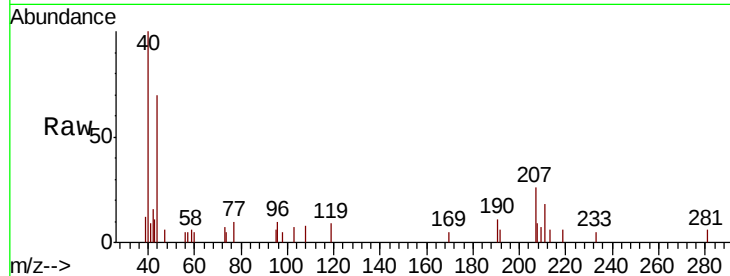




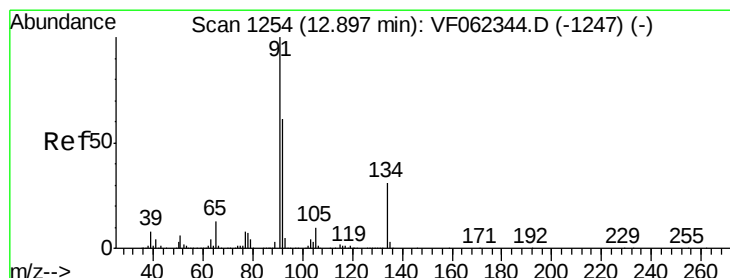
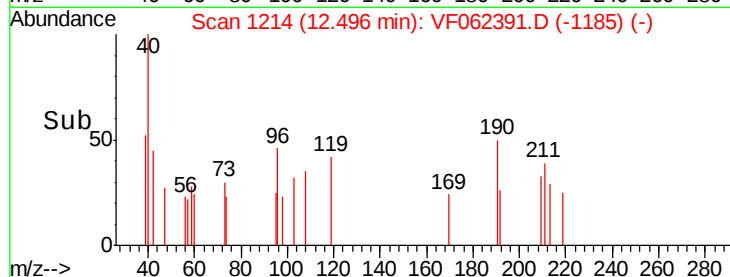
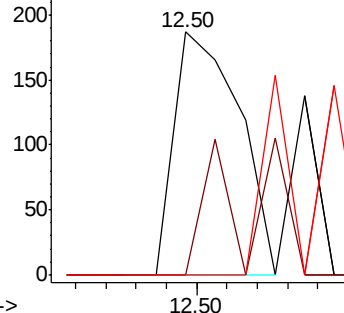
#86
p-Isopropyltoluene
Concen: 1.855 ug/l
RT: 12.50 min Scan# 1214
Delta R.T. -0.02 min
Lab File: VF062391.D
Acq: 8 May 2019 21:44

Instrument :
MSVOA_F
ClientSampleId :
SB-04-1.0-1.5RE

Tot Ion	Ratio	Lower	Upper
119	100		
134	0.0	12.9	38.7#
91	0.0	12.3	36.8#

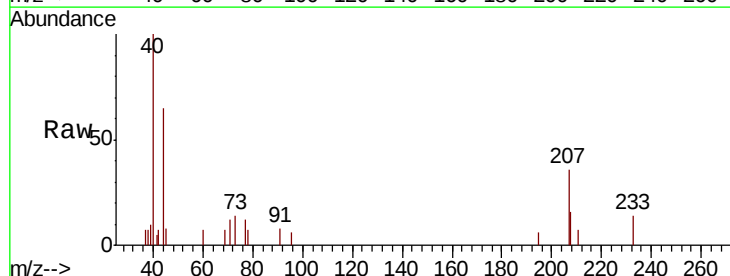


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 134.00 (133.70 to 134.70): V
Ion 91.00 (90.70 to 91.70): V

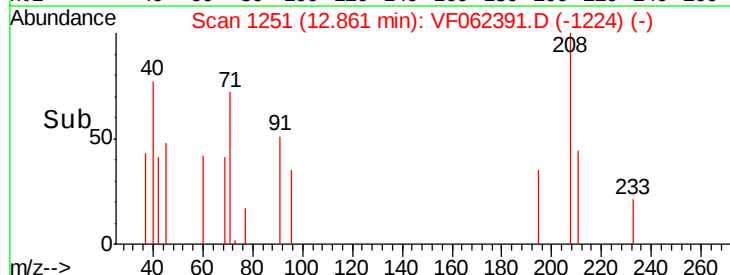
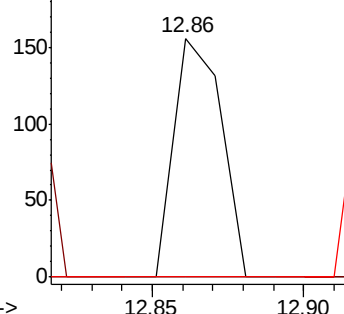


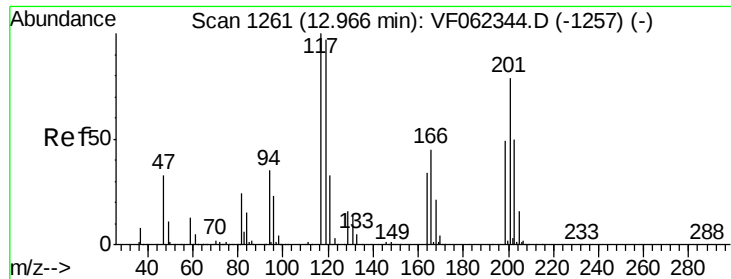
#89
n-Butylbenzene
Concen: 1.271 ug/l
RT: 12.86 min Scan# 1251
Delta R.T. -0.04 min
Lab File: VF062391.D
Acq: 8 May 2019 21:44

Tgt 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: 2.663 ug/l

RT: 13.02 min Scan# 1267

Delta R.T. 0.05 min

Lab File: VF062391.D

Acq: 8 May 2019 21:44

Instrument :

MSVOA_F

ClientSampleId :

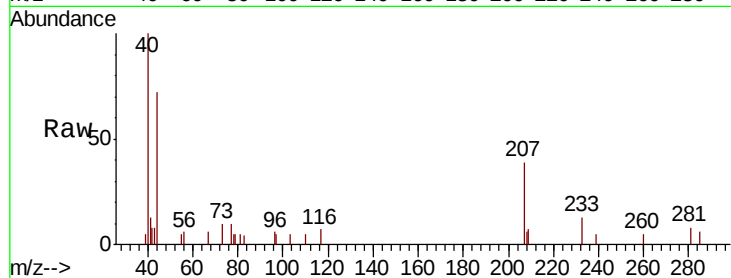
SB-04-1.0-1.5RE

Tot Ion:117 Resp: 100

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

13.02

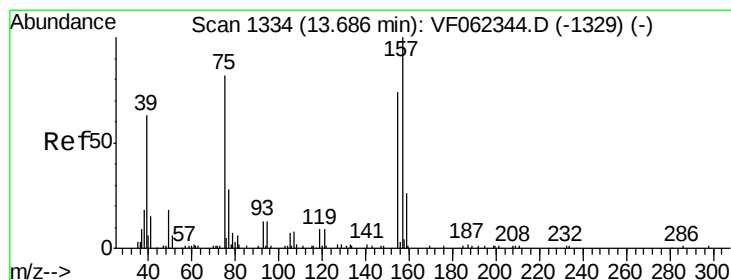
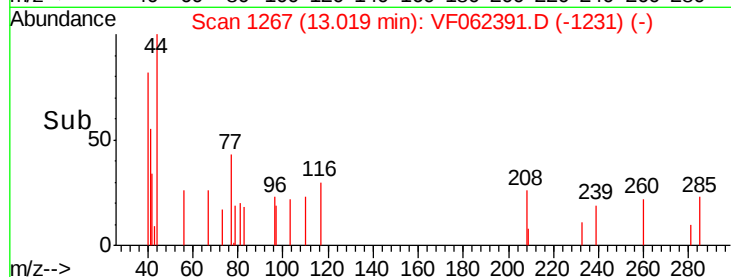
150

100

50

0

Time--> 12.98 13.00 13.02 13.04



#92

1,2-Dibromo-3-Chloropropane

Concen: 36.535 ug/l

RT: 13.70 min Scan# 1336

Delta R.T. 0.01 min

Lab File: VF062391.D

Acq: 8 May 2019 21:44

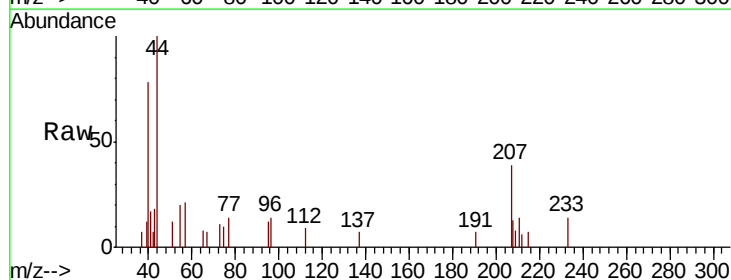
Tgt Ion: 75 Resp: 185

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

13.70

150

100

50

0

Time--> 13.65 13.70 13.75

