

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF050819\
 Data File : VF062377.D
 Acq On : 8 May 2019 15:12
 Operator : FY/SY
 Sample : K2673-05RE
 Misc : 5.10g/5mL/MSVOA F/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 SB-13-15-2.0RE

Quant Time: May 09 05:00:55 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	5.04	168	32350	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.75	114	29071	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.89	117	14459	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.61	152	3114	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.02	65	4256	13.92	ug/l	0.00
Spiked Amount			Recovery	=	27.84%	
35) Dibromofluoromethane	4.29	113	7311	31.57	ug/l	-0.02
Spiked Amount			Recovery	=	63.14%	
50) Toluene-d8	7.70	98	21459	38.28	ug/l	0.00
Spiked Amount			Recovery	=	76.56%	
62) 4-Bromofluorobenzene	11.48	95	3911	15.46	ug/l	0.00
Spiked Amount			Recovery	=	30.92%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.15	50	506	2.049	ug/l #	10
5) Bromomethane	1.40	94	127	Below Cal		93
11) Tert butyl alcohol	2.66	59	172	9.955	ug/l #	70
12) 1,1-Dichloroethene	1.89	96	554	2.234	ug/l #	1
13) Acrolein	2.16	56	77	Below Cal	#	13
14) Allyl chloride	2.17	41	671	3.063	ug/l #	5
15) Acrylonitrile	3.10	53	76	2.322	ug/l #	1
16) Acetone	2.35	43	470	7.600	ug/l #	62
18) Methyl Acetate	2.48	43	1162	7.650	ug/l #	58
19) Methyl tert-butyl Ether	2.53	73	1218	2.379	ug/l #	63
23) Vinyl Acetate	3.39	43	728	2.385	ug/l #	79
25) 2-Butanone	4.49	43	461	5.933	ug/l #	1
26) 2,2-Dichloropropane	3.74	77	256	1.108	ug/l	88
29) Tetrahydrofuran	4.23	42	243	6.805	ug/l #	88
37) Ethyl Acetate	4.30	43	490	Below Cal	#	71
38) Carbon Tetrachloride	4.37	117	75	Below Cal	#	14
41) Methacrylonitrile	4.94	41	586	9.786	ug/l #	18
43) Isopropyl Acetate	7.08	43	392	3.451	ug/l #	78
46) Dibromomethane	6.25	93	159	1.540	ug/l #	16
48) Methyl methacrylate	6.85	41	251	3.127	ug/l #	1
49) 1,4-Dioxane	6.94	88	90	97.216	ug/l #	16
51) 4-Methyl-2-Pentanone	8.39	43	615	7.145	ug/l #	40
54) cis-1,3-Dichloropropene	7.42	75	246	1.082	ug/l #	32
58) 2-Chloroethyl Vinyl ether	7.58	63	64	1.873	ug/l #	42
59) 2-Hexanone	9.78	43	195	3.276	ug/l	84
67) Ethyl Benzene	10.02	91	501	1.196	ug/l #	42
68) m/p-Xylenes	10.25	106	167	1.080	ug/l #	6
69) o-Xylene	10.94	106	206	1.233	ug/l	60
73) Isopropylbenzene	11.20	105	776	4.203	ug/l #	69
74) N-amyl acetate	11.46	43	822	20.740	ug/l #	61
75) 1,1,2,2-Tetrachloroethane	11.72	83	135	4.670	ug/l #	70
76) 1,2,3-Trichloropropane	11.87	75	166	7.527	ug/l #	100
77) Bromobenzene	11.57	156	72	1.486	ug/l #	1
78) n-propylbenzene	11.67	91	635	3.231	ug/l #	52

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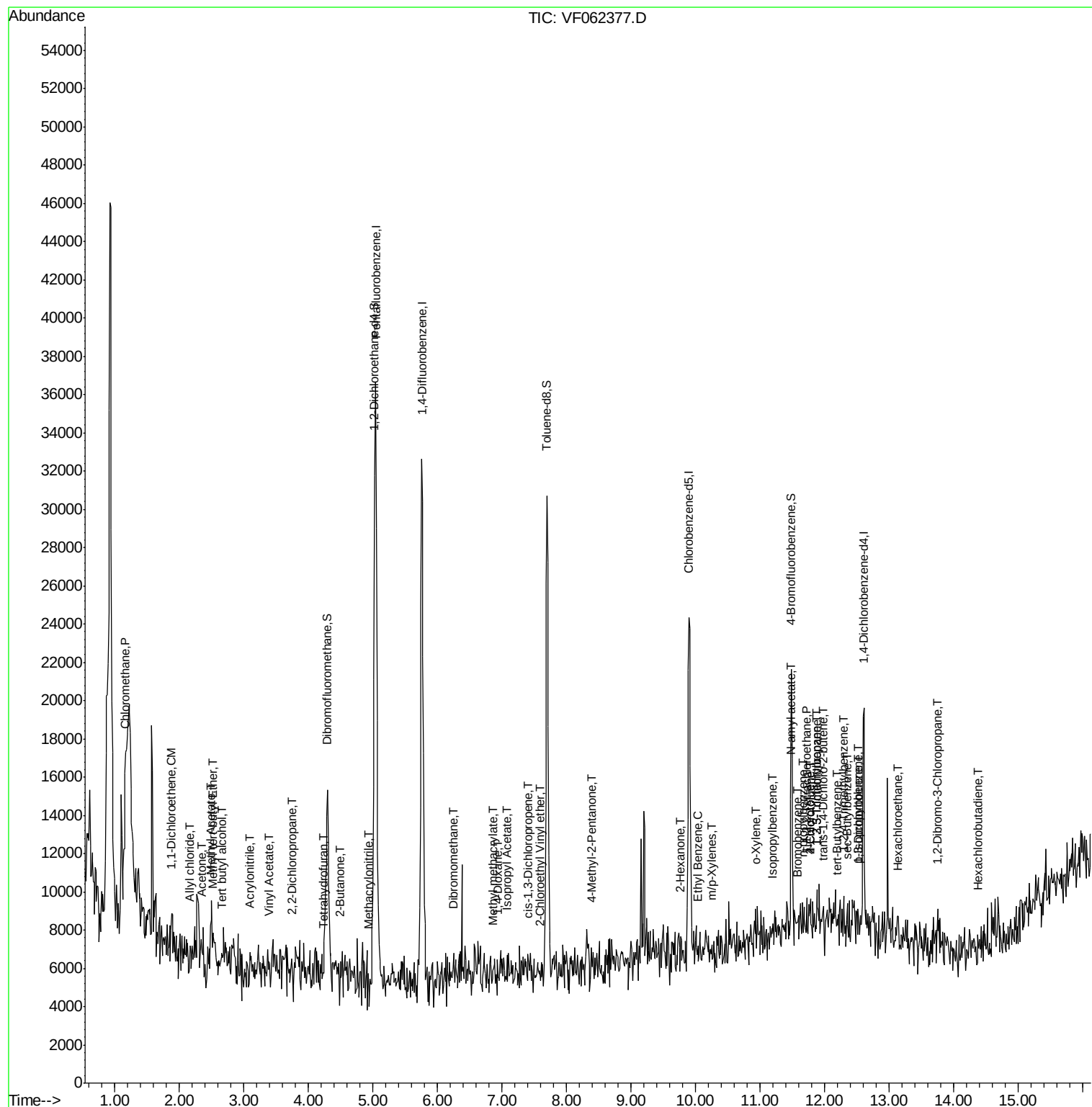
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
79) 2-Chlorotoluene	11.78	91	296	2.422	ug/l	72
80) 1,3,5-Trimethylbenzene	11.89	105	435	2.688	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.96	75	464	55.975	ug/l #	5
82) 4-Chlorotoluene	11.78	91	296	2.452	ug/l	72
83) tert-Butylbenzene	12.19	119	430	2.529	ug/l	83
84) 1,2,4-Trimethylbenzene	12.28	105	359	2.267	ug/l #	31
85) sec-Butylbenzene	12.36	105	255	1.232	ug/l	89
86) p-Isopropyltoluene	12.51	119	265	1.378	ug/l #	50
87) 1,3-Dichlorobenzene	12.52	146	373	4.215	ug/l #	35
90) Hexachloroethane	13.12	117	87	1.812	ug/l #	3
92) 1,2-Dibromo-3-Chloropropan	13.76	75	98	15.134	ug/l #	21
94) Hexachlorobutadiene	14.36	225	63	1.100	ug/l #	18

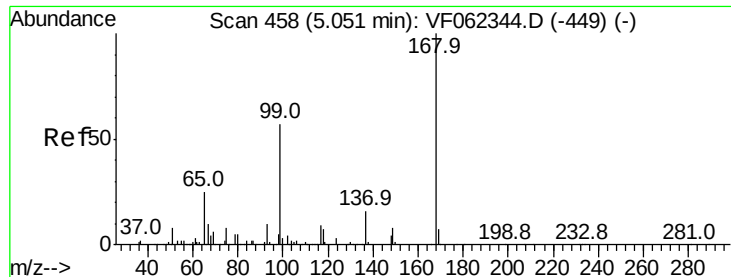
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.04 min Scan# 457

Delta R.T. -0.02 min

Lab File: VF062377.D

Acq: 8 May 2019 15:12

Instrument :

MSVOA_F

ClientSampleId :

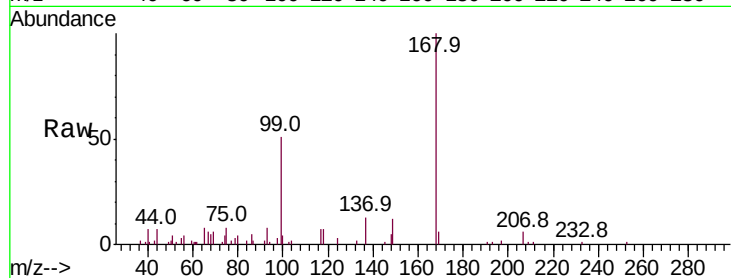
SB-13-1.5-2.0RE

Tot Ion:168 Resp: 32350

Ion Ratio Lower Upper

168 100

99 51.2 45.9 68.9



Abundance Ion 167.90 (167.60 to 168.60): VF0

Ion 98.90 (98.60 to 99.60): VF0

5.04

12000

10000

8000

6000

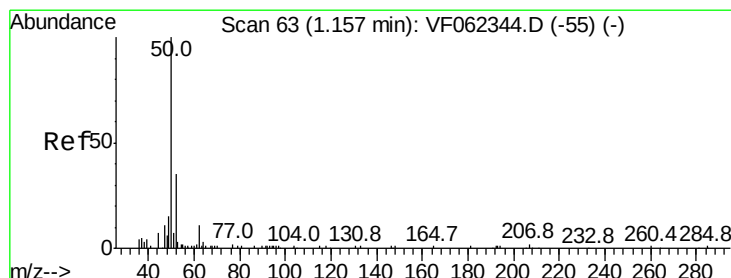
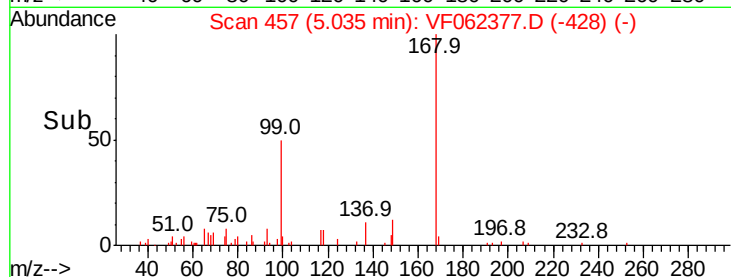
4000

2000

0

Time-->

4.90 5.00 5.10 5.20



#3

Chloromethane

Concen: 2.049 ug/l

RT: 1.15 min Scan# 63

Delta R.T. -0.01 min

Lab File: VF062377.D

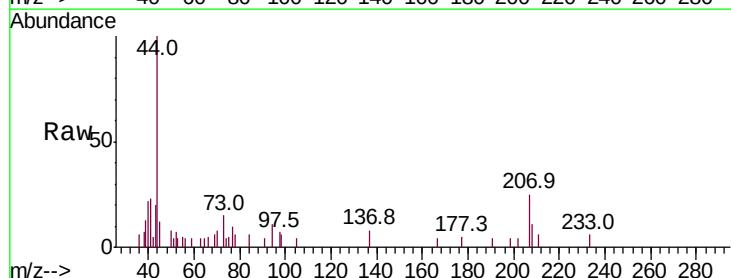
Acq: 8 May 2019 15:12

Tgt Ion: 50 Resp: 506

Ion Ratio Lower Upper

50 100

52 83.1 26.1 39.1#



Abundance Ion 49.90 (49.60 to 50.60): VF0

Ion 51.90 (51.60 to 52.60): VF0

400

300

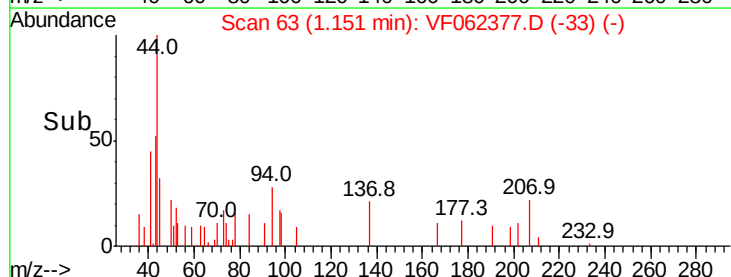
200

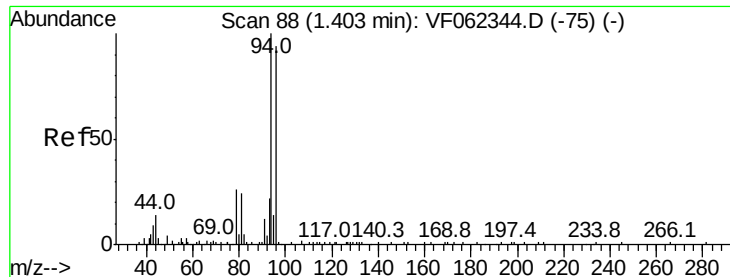
100

0

Time-->

1.15 1.20





#5

Bromomethane

Concen: Below Cal

RT: 1.40 min Scan# 88

Delta R.T. -0.01 min

Lab File: VF062377.D

Acq: 8 May 2019 15:12

Instrument :

MSVOA_F

ClientSampleId :

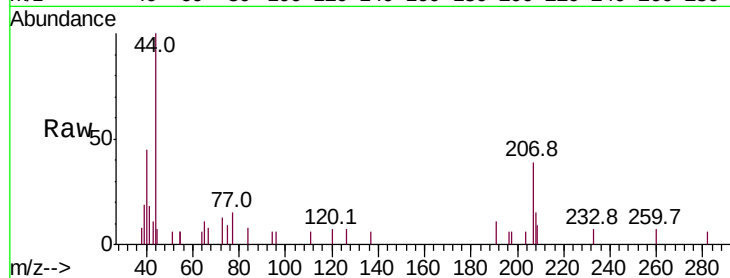
SB-13-1.5-2.0RE

Tot Ion: 94 Resp: 127

Ion Ratio Lower Upper

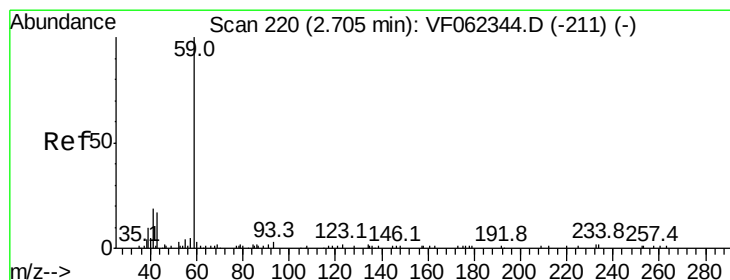
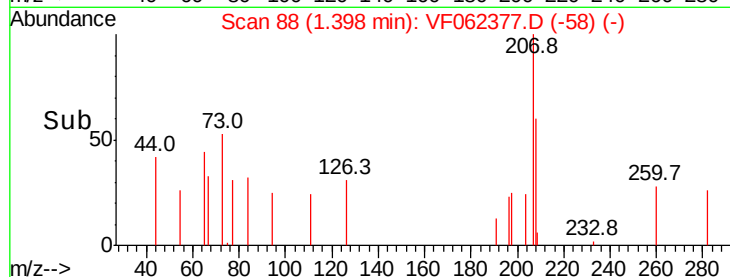
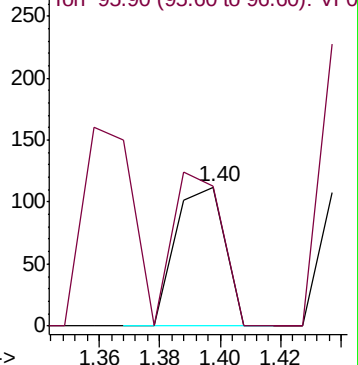
94 100

96 100.9 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: 9.955 ug/l

RT: 2.66 min Scan# 216

Delta R.T. -0.05 min

Lab File: VF062377.D

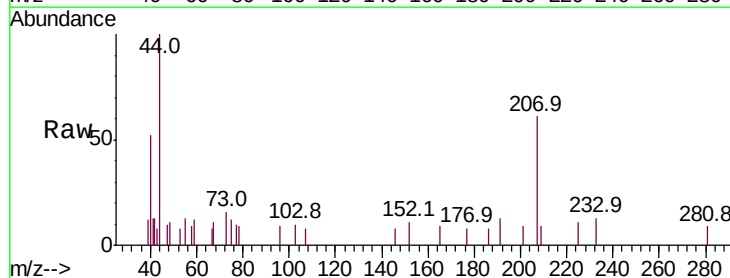
Acq: 8 May 2019 15:12

Tgt Ion: 59 Resp: 172

Ion Ratio Lower Upper

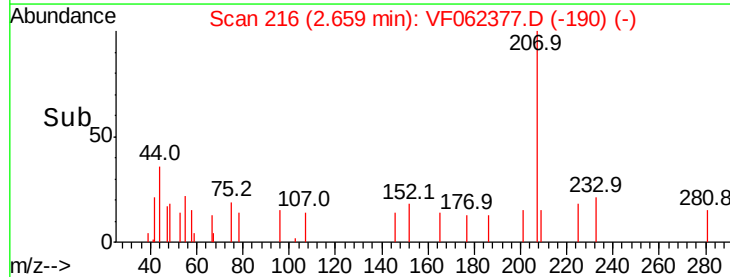
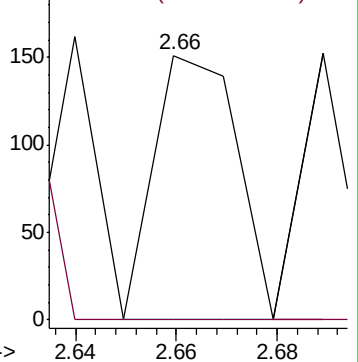
59 100

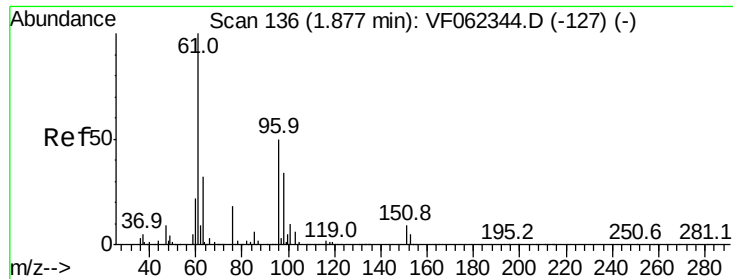
57 0.0 9.3 13.9#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0





#12

1,1-Dichloroethene

Concen: 2.234 ug/l

RT: 1.89 min Scan# 138

Delta R.T. 0.01 min

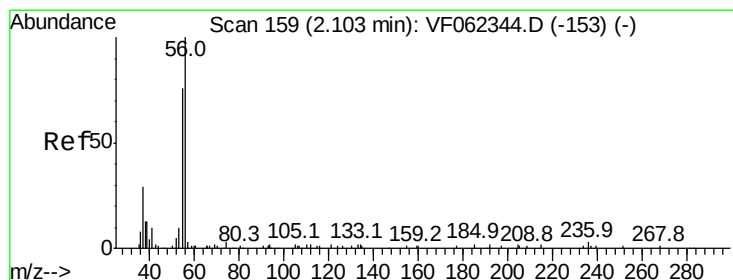
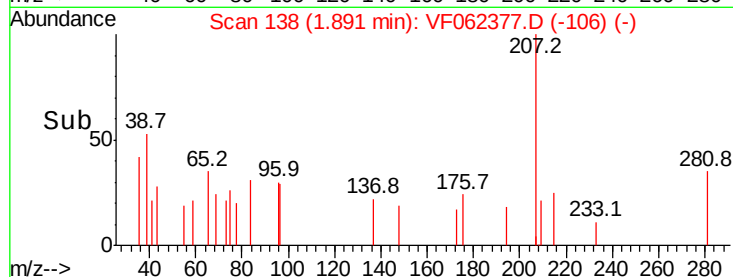
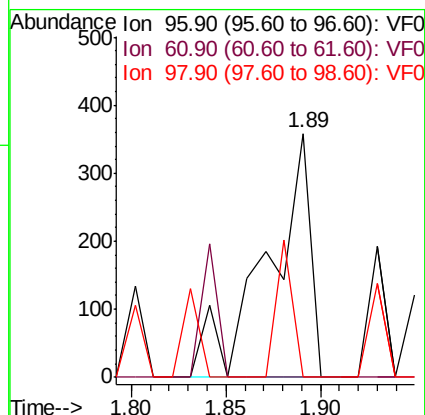
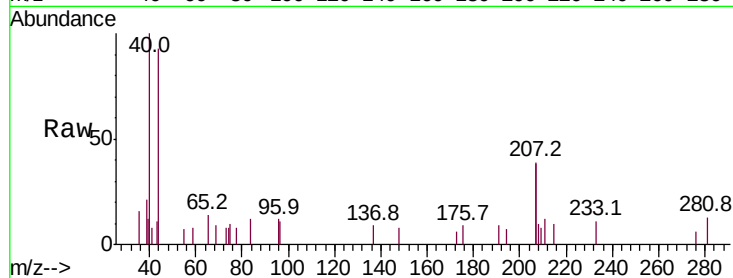
Lab File: VF062377.D

Acq: 8 May 2019 15:12

Instrument :
MSVOA_F
ClientSampleId :
SB-13-15-2.0RE

Tot Ion: 96 Resp: 554

Ion	Ratio	Lower	Upper
96	100		
61	0.0	163.2	244.8#
98	0.0	55.2	82.8#



#13

Acrolein

Concen: Below Cal

RT: 2.16 min Scan# 165

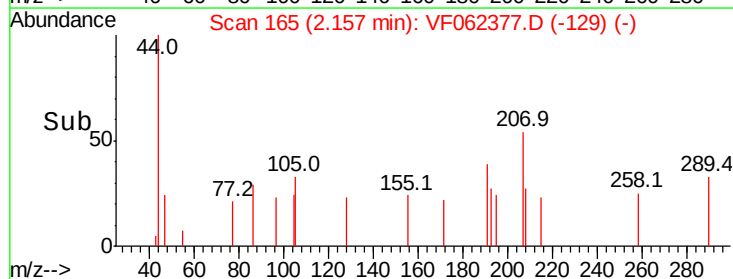
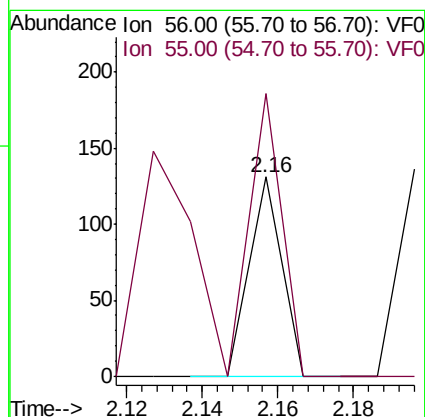
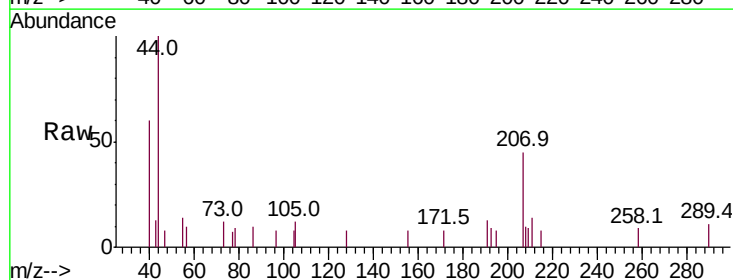
Delta R.T. 0.05 min

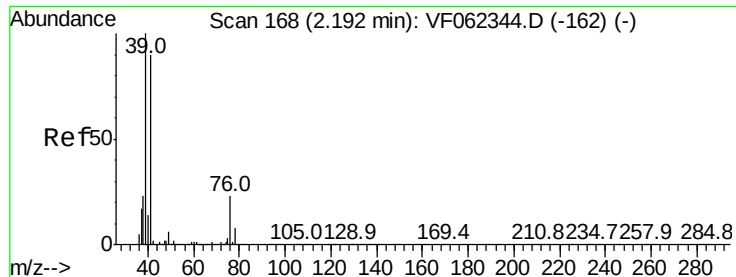
Lab File: VF062377.D

Acq: 8 May 2019 15:12

Tgt Ion: 56 Resp: 77

Ion	Ratio	Lower	Upper
56	100		
55	0.0	58.4	87.6#

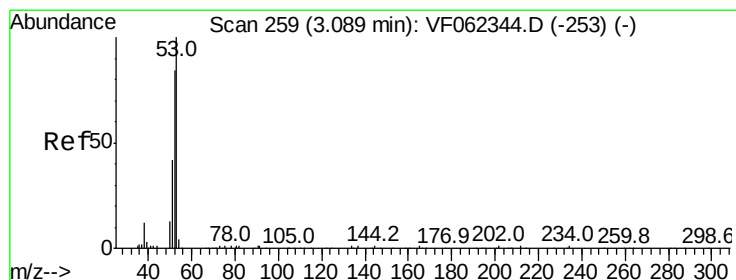
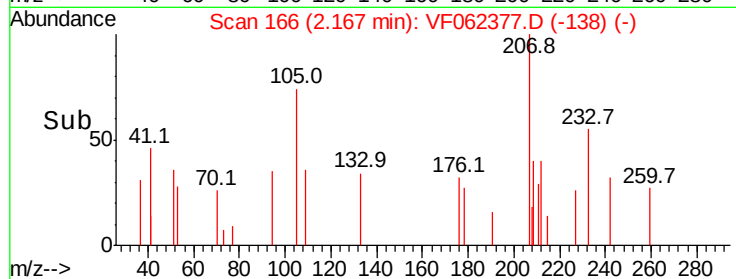
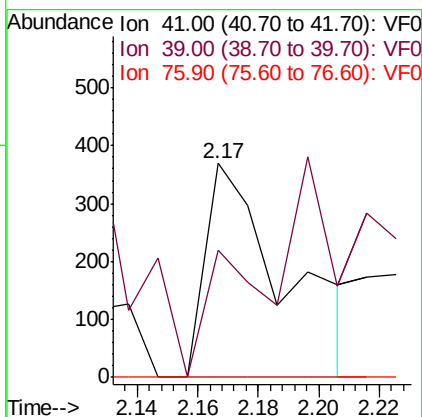
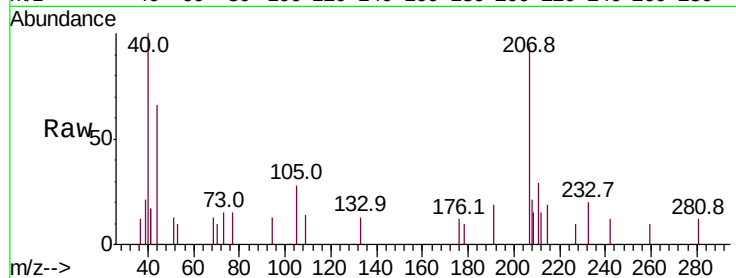




#14
Allvl chloride
Concen: 3.063 ug/l
RT: 2.17 min Scan# 166
Delta R.T. -0.03 min
Lab File: VF062377.D
Acq: 8 May 2019 15:12

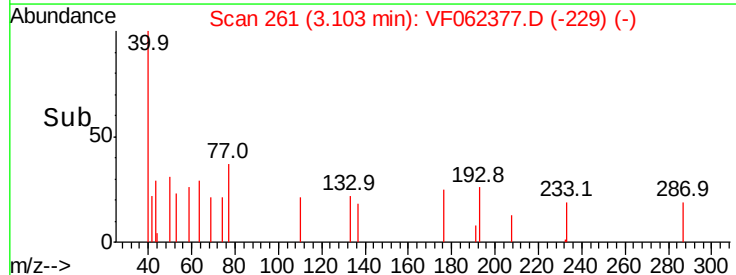
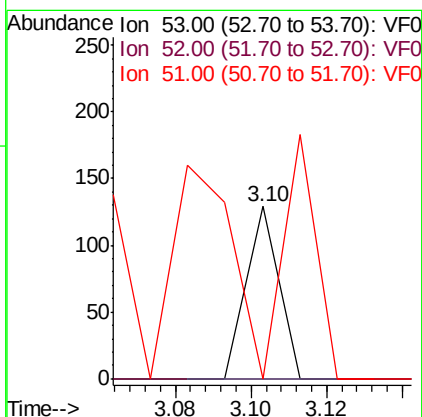
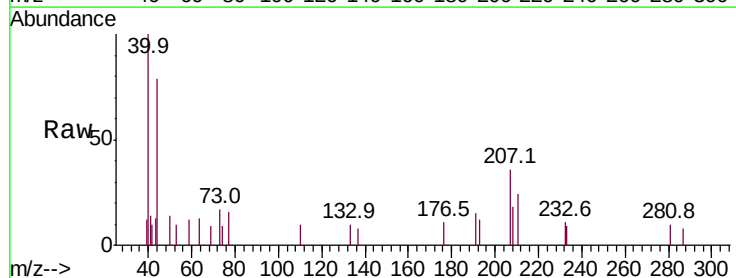
Instrument :
MSVOA_F
ClientSampleId :
SB-13-1.5-2.0RE

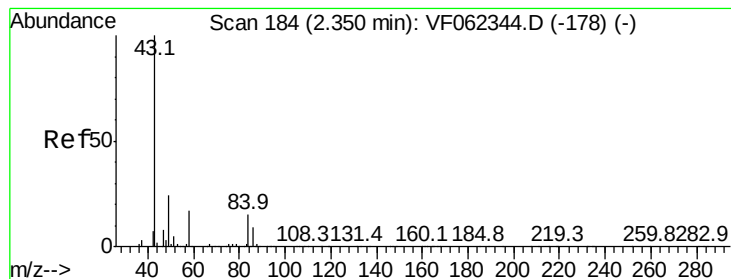
Tot Ion: 41 Resp: 671
Ion Ratio Lower Upper
41 100
39 0.0 90.8 136.2#
76 0.0 22.2 33.4#



#15
Acrylonitrile
Concen: 2.322 ug/l
RT: 3.10 min Scan# 261
Delta R.T. 0.01 min
Lab File: VF062377.D
Acq: 8 May 2019 15:12

Tgt Ion: 53 Resp: 76
Ion Ratio Lower Upper
53 100
52 0.0 77.2 115.8#
51 227.6 40.6 61.0#





#16

Acetone

Concen: 7.600 ug/l

RT: 2.35 min Scan# 185

Delta R.T. 0.00 min

Lab File: VF062377.D

Acq: 8 May 2019 15:12

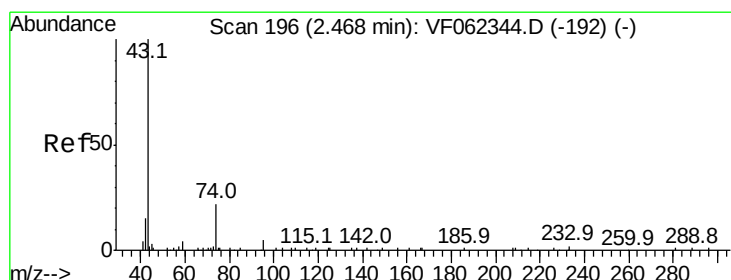
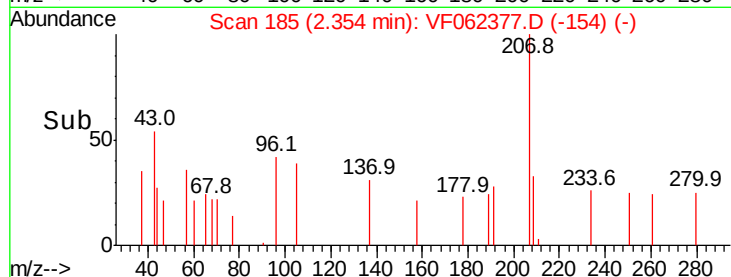
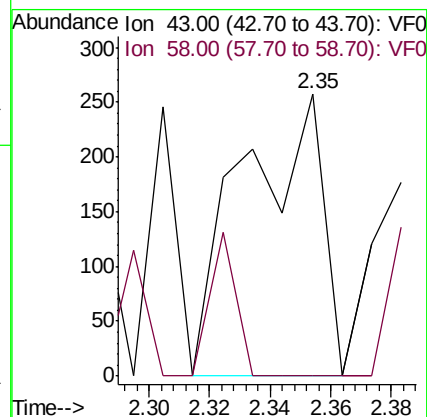
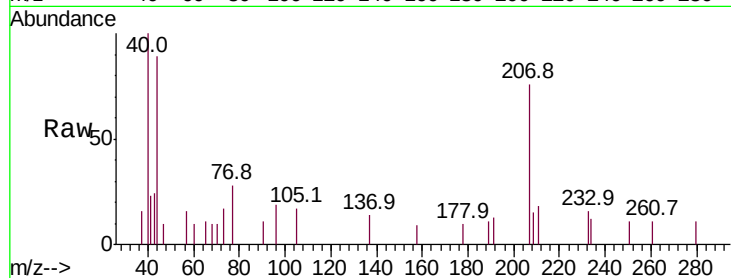
Instrument :
MSVOA_F
ClientSampled :
SB-13-1.5-2.0RE

Tot Ion: 43 Resp: 470

Ion Ratio Lower Upper

43 100

58 0.0 13.1 19.7#



#18

Methyl Acetate

Concen: 7.650 ug/l

RT: 2.48 min Scan# 198

Delta R.T. 0.01 min

Lab File: VF062377.D

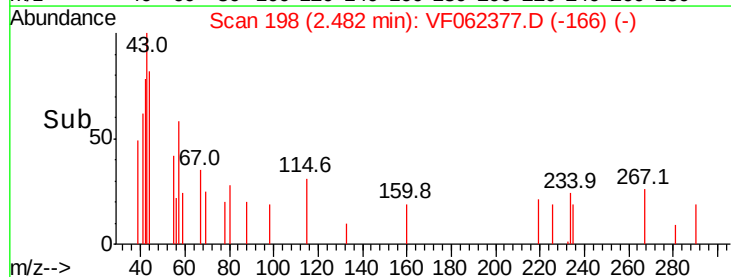
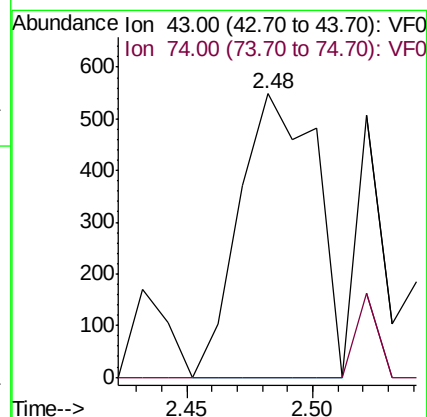
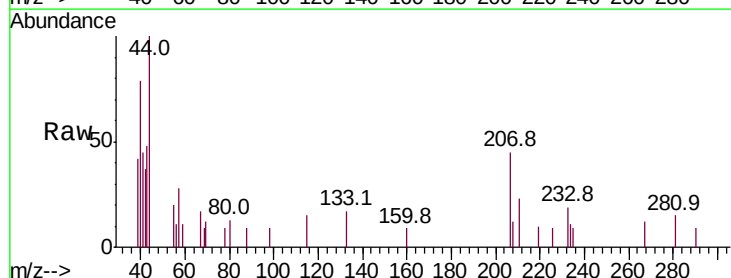
Acq: 8 May 2019 15:12

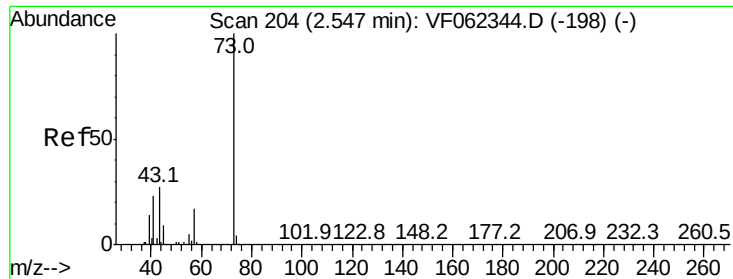
Tgt Ion: 43 Resp: 1162

Ion Ratio Lower Upper

43 100

74 0.0 15.0 22.4#





#19

Methyl tert-butyl Ether

Concen: 2.379 ug/l

RT: 2.53 min Scan# 203

Delta R.T. -0.02 min

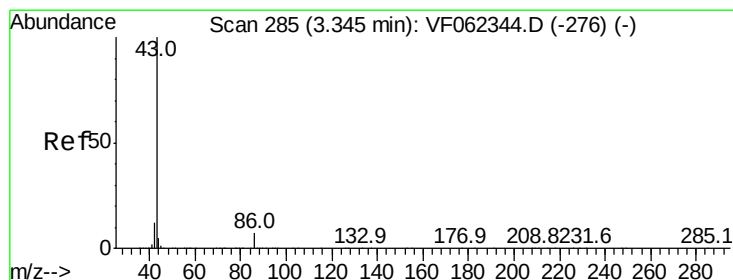
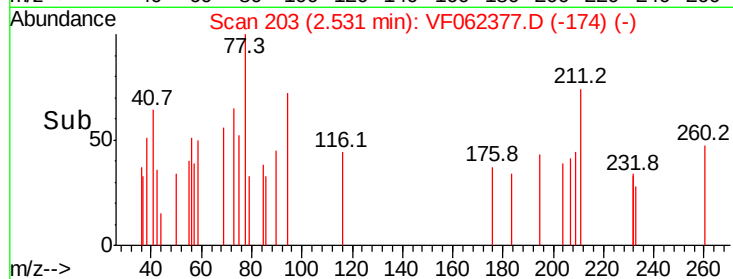
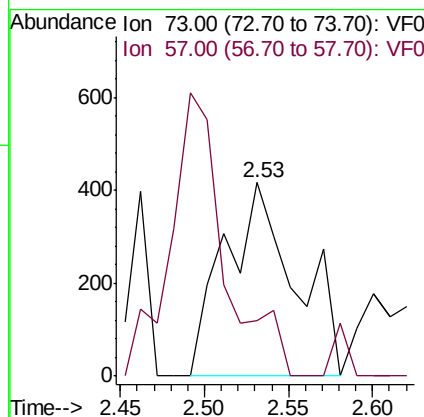
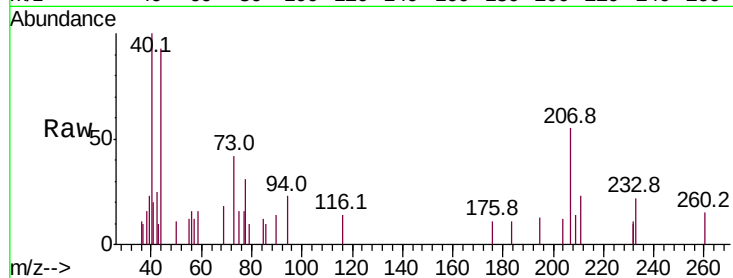
Lab File: VF062377.D

Acq: 8 May 2019 15:12

Instrument :
MSVOA_F
ClientSampleId :
SB-13-1.5-2.0RE

Tot Ion: 73 Resp: 1218

Ion	Ratio	Lower	Upper
73	100		
57	1.0	13.7	20.5#



#23

Vinyl Acetate

Concen: 2.385 ug/l

RT: 3.39 min Scan# 290

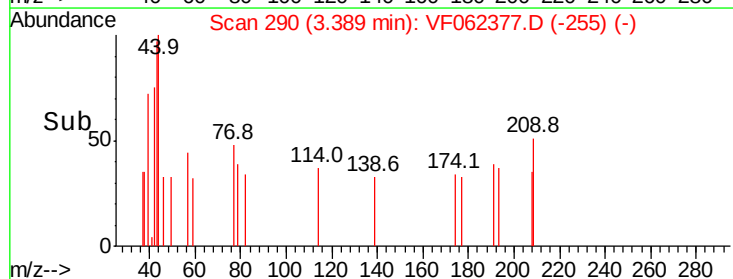
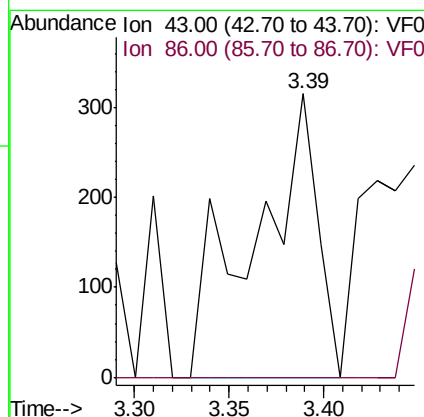
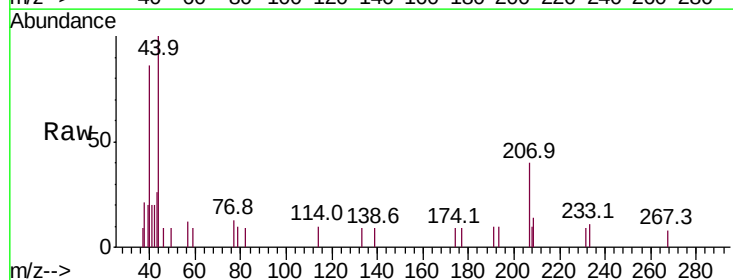
Delta R.T. 0.04 min

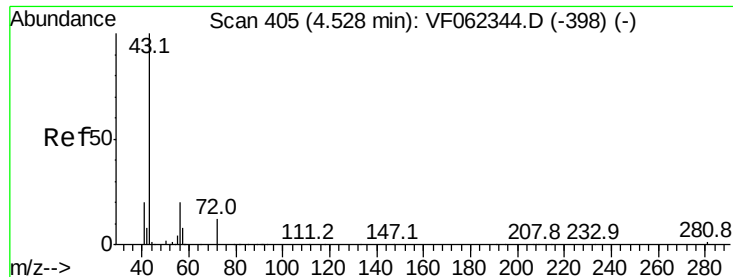
Lab File: VF062377.D

Acq: 8 May 2019 15:12

Tgt Ion: 43 Resp: 728

Ion	Ratio	Lower	Upper
43	100		
86	0.0	5.7	8.5#





#25

2-Butanone

Concen: 5.933 ug/l

RT: 4.49 min Scan# 402

Delta R.T. -0.04 min

Lab File: VF062377.D

Acq: 8 May 2019 15:12

Instrument :

MSVOA_F

ClientSampleId :

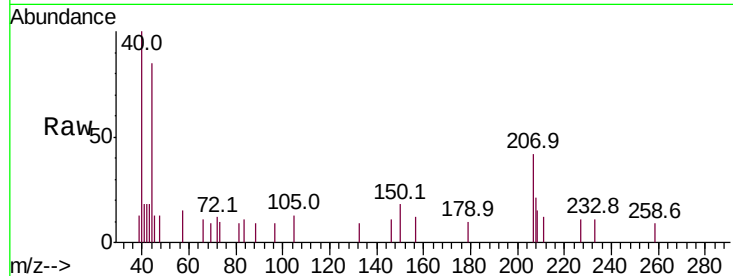
SB-13-1.5-2.0RE

Tot Ion: 43 Resp: 461

Ion Ratio Lower Upper

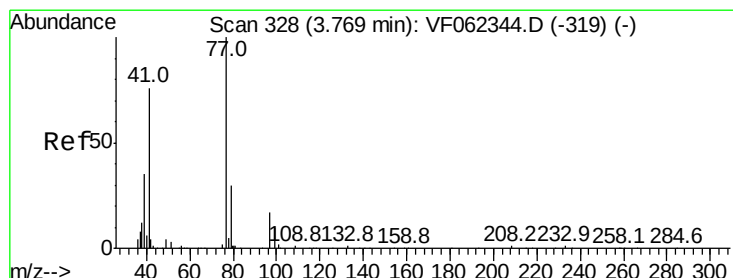
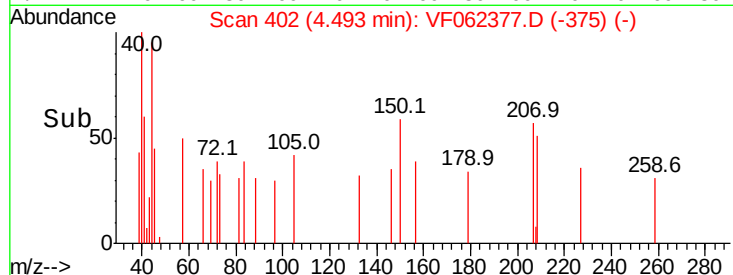
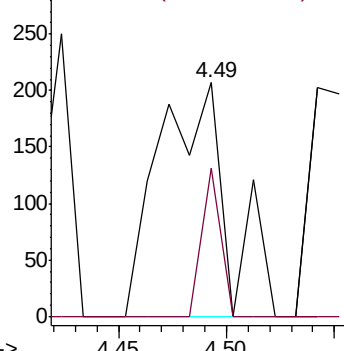
43 100

72 63.3 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: 1.108 ug/l

RT: 3.74 min Scan# 326

Delta R.T. -0.03 min

Lab File: VF062377.D

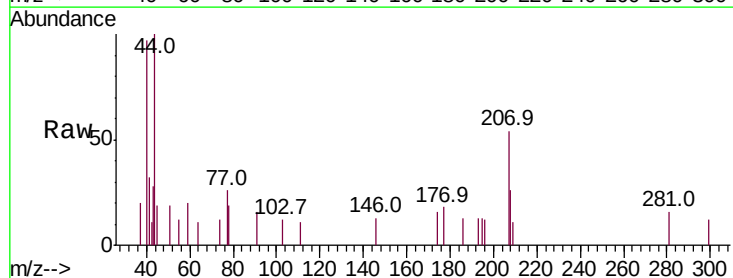
Acq: 8 May 2019 15:12

Tgt Ion: 77 Resp: 256

Ion Ratio Lower Upper

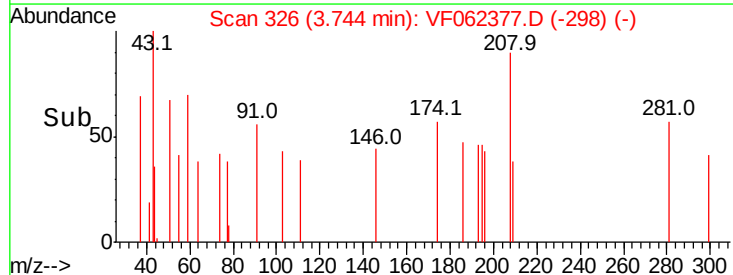
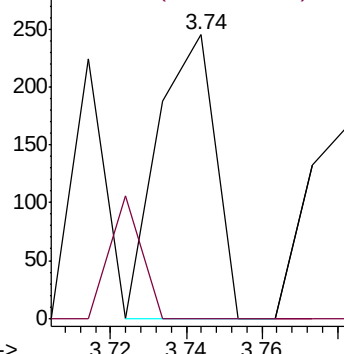
77 100

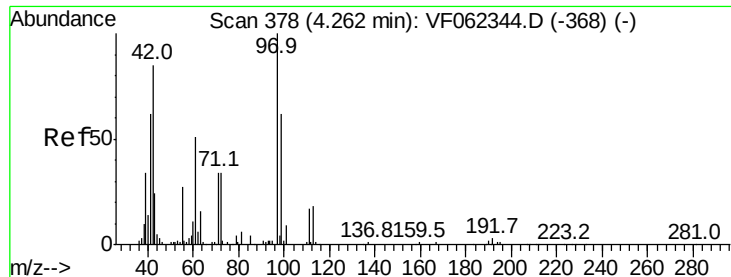
97 24.6 9.5 28.5



Abundance Ion 76.90 (76.60 to 77.60): VF0

Ion 96.90 (96.60 to 97.60): VF0





#29

Tetrahydrofuran

Concen: 6.805 ug/l

RT: 4.23 min Scan# 375

Delta R.T. -0.04 min

Lab File: VF062377.D

Acq: 8 May 2019 15:12

Instrument :

MSVOA_F

ClientSampleId :

SB-13-1.5-2.0RE

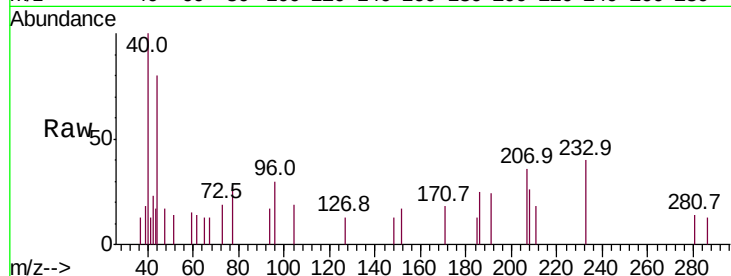
Tot Ion: 42 Resp: 243

Ion Ratio Lower Upper

42 100

72 37.0 31.4 47.0

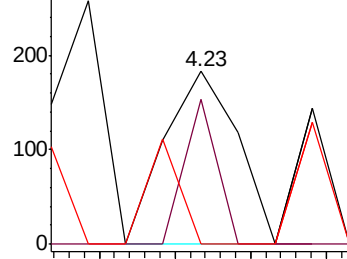
71 27.2 31.7 47.5#



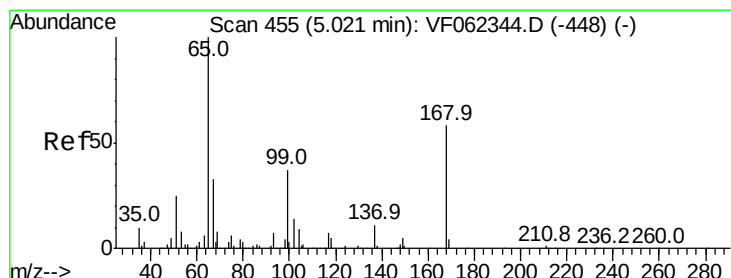
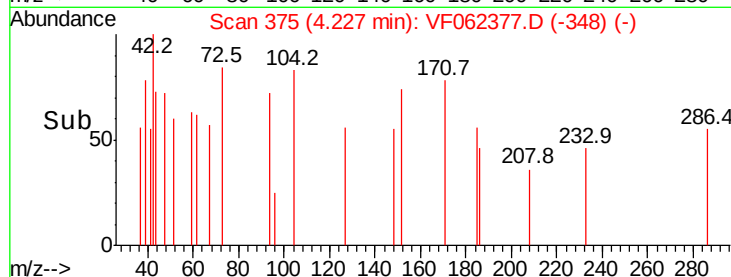
Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0



Time-->



#33

1,2-Dichloroethane-d4

Concen: 13.921 ug/l

RT: 5.02 min Scan# 455

Delta R.T. -0.01 min

Lab File: VF062377.D

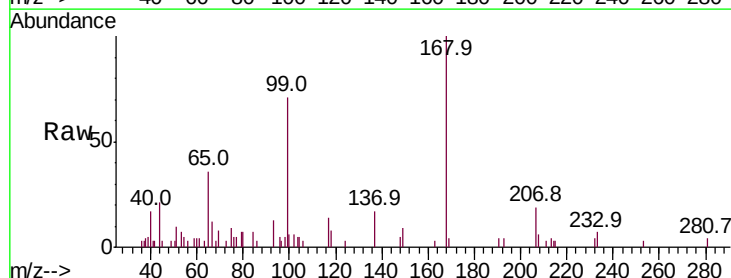
Acq: 8 May 2019 15:12

Tgt Ion: 65 Resp: 4256

Ion Ratio Lower Upper

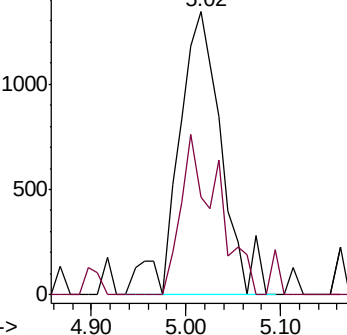
65 100

67 48.9 0.0 85.8

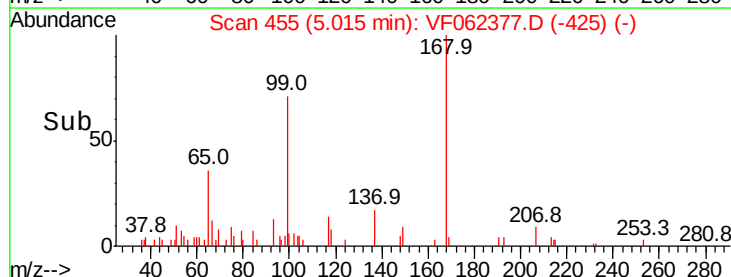


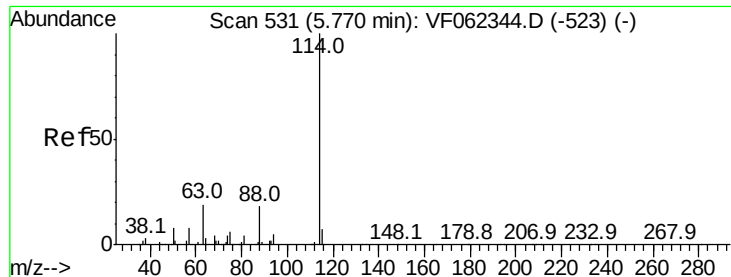
Abundance Ion 64.90 (64.60 to 65.60): VF0

Ion 66.90 (66.60 to 67.60): VF0



Time-->

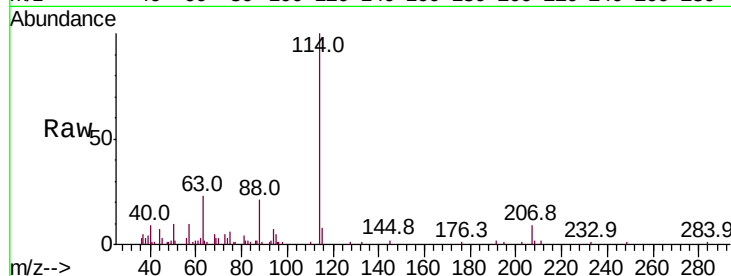




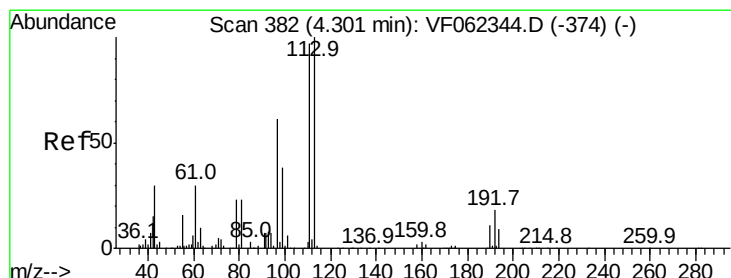
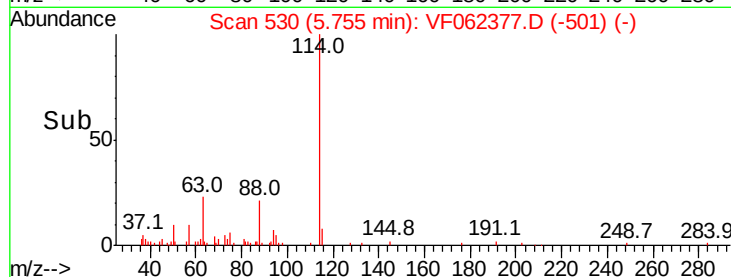
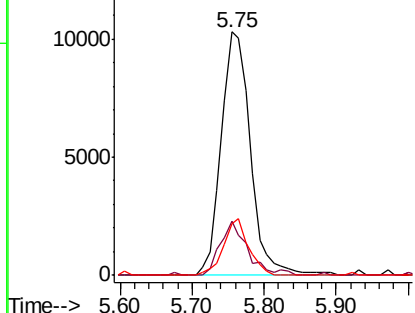
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.75 min Scan# 530
Delta R.T. -0.02 min
Lab File: VF062377.D
Acq: 8 May 2019 15:12

Instrument :
MSVOA_F
ClientSampleId :
SB-13-1.5-2.0RE

Tot Ion:114 Resp: 29071
Ion Ratio Lower Upper
114 100
63 22.5 0.0 37.4
88 21.4 0.0 36.4

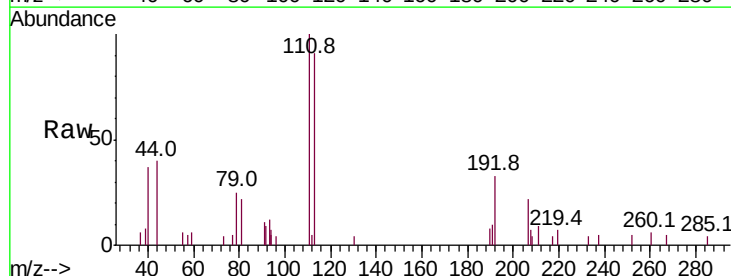


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VF0
Ion 87.90 (87.60 to 88.60): VF0

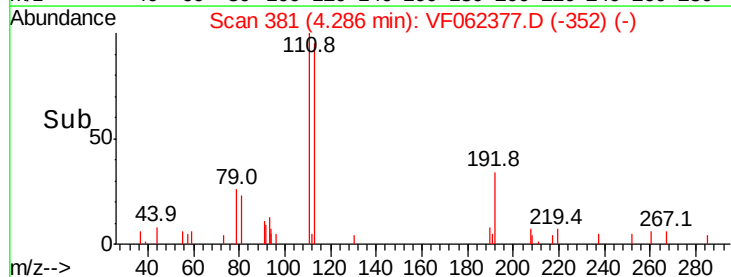
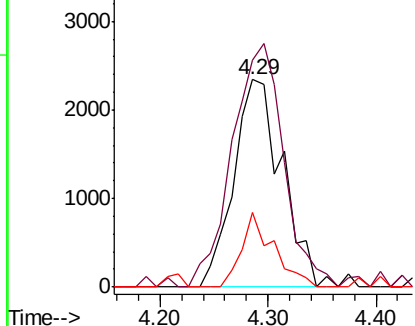


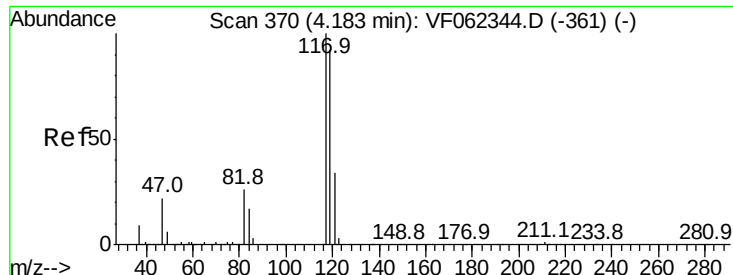
#35
Dibromofluoromethane
Concen: 31.567 ug/l
RT: 4.29 min Scan# 381
Delta R.T. -0.02 min
Lab File: VF062377.D
Acq: 8 May 2019 15:12

Tgt Ion:113 Resp: 7311
Ion Ratio Lower Upper
113 100
111 124.4 79.4 119.0#
192 23.5 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





#38

Carbon Tetrachloride

Concen: Below Cal

RT: 4.37 min Scan# 390

Delta R.T. 0.19 min

Lab File: VF062377.D

Acq: 8 May 2019 15:12

Instrument :

MSVOA_F

ClientSampleId :

SB-13-1.5-2.0RE

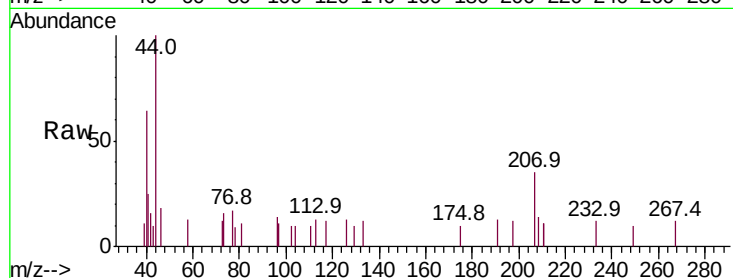
Tot Ion:117 Resp: 75

Ion Ratio Lower Upper

117 100

119 0.0 73.4 110.2#

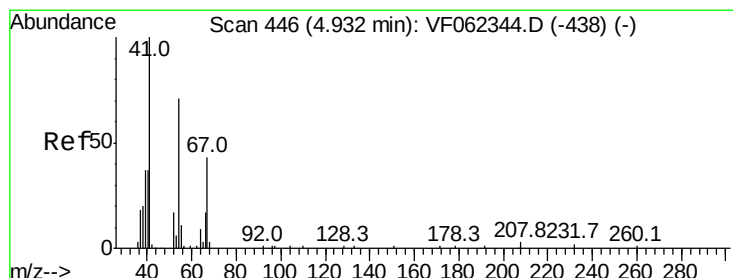
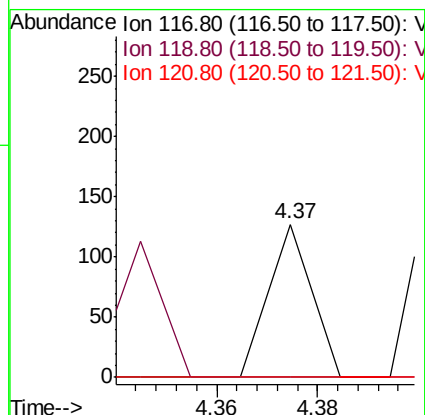
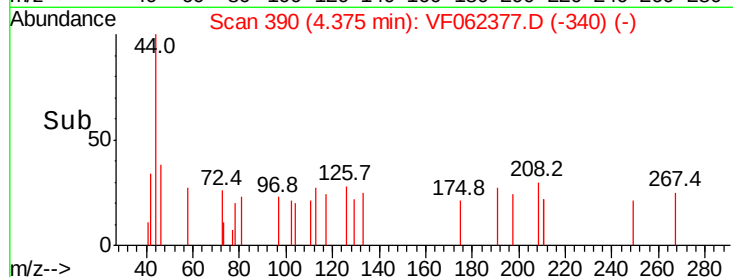
121 0.0 27.4 41.0#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#41

Methacrylonitrile

Concen: 9.786 ug/l

RT: 4.94 min Scan# 447

Delta R.T. 0.00 min

Lab File: VF062377.D

Acq: 8 May 2019 15:12

Tgt Ion: 41 Resp: 586

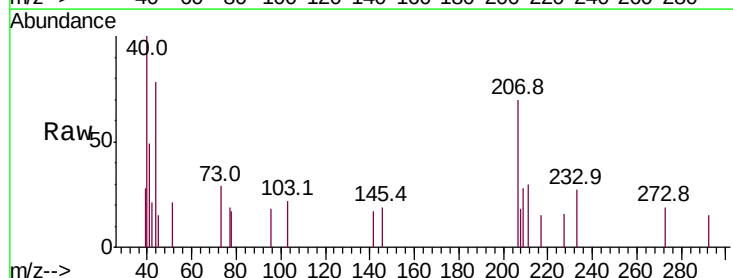
Ion Ratio Lower Upper

41 100

39 0.0 54.3 81.5#

67 0.0 37.8 56.8#

52 0.0 58.2 87.4#

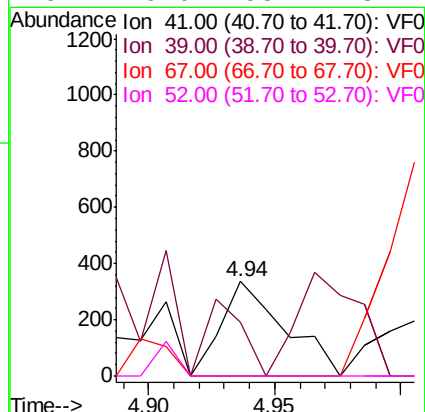
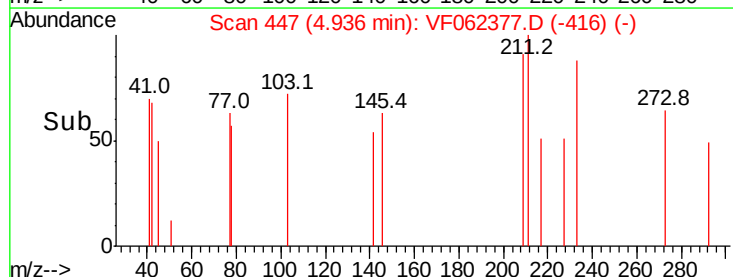


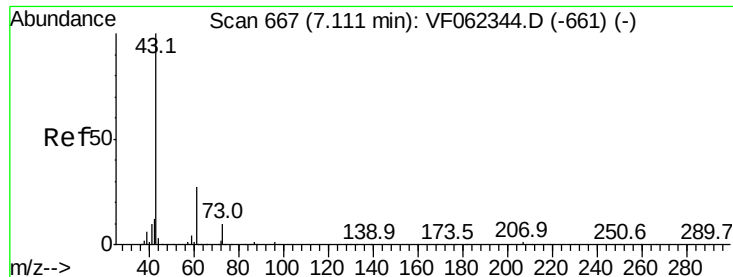
Abundance Ion 41.00 (40.70 to 41.70): VF0

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: 3.451 ug/l

RT: 7.08 min Scan# 664

Delta R.T. -0.04 min

Lab File: VF062377.D

Acq: 8 May 2019 15:12

Instrument :

MSVOA_F

ClientSampleId :

SB-13-1.5-2.0RE

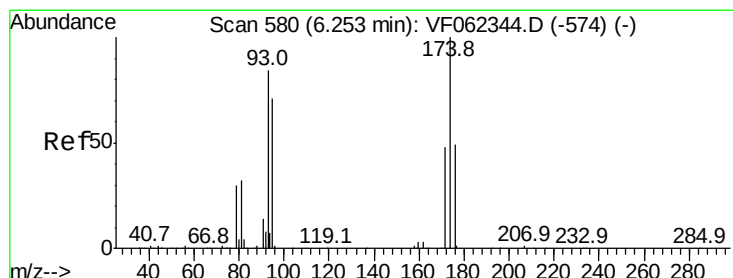
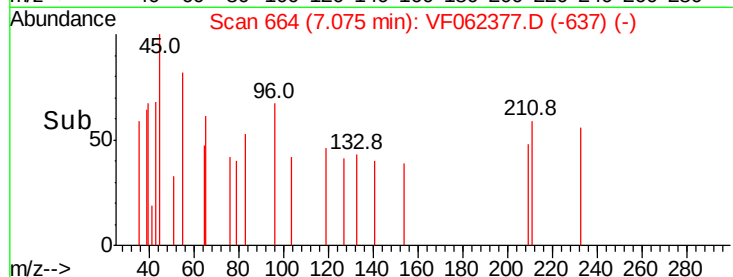
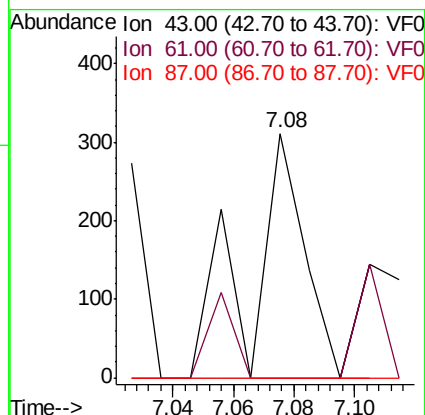
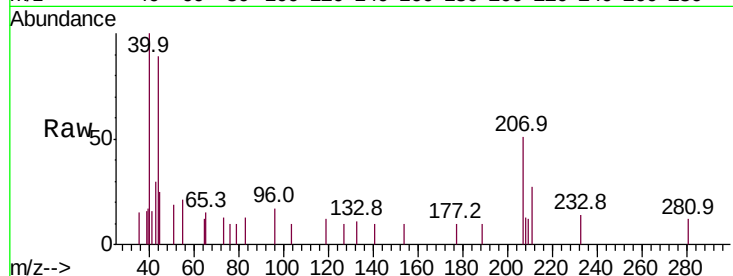
Tot Ion: 43 Resp: 392

Ion Ratio Lower Upper

43 100

61 16.3 22.8 34.2#

87 0.0 0.6 1.0#



#46

Dibromomethane

Concen: 1.540 ug/l

RT: 6.25 min Scan# 580

Delta R.T. -0.01 min

Lab File: VF062377.D

Acq: 8 May 2019 15:12

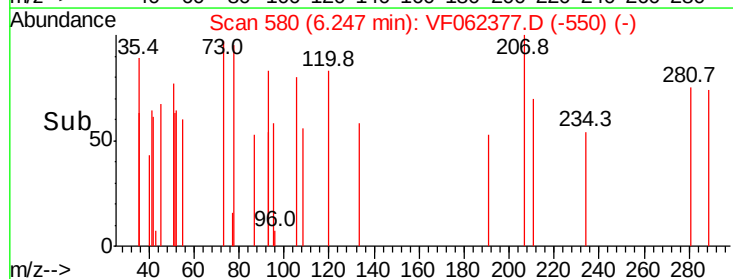
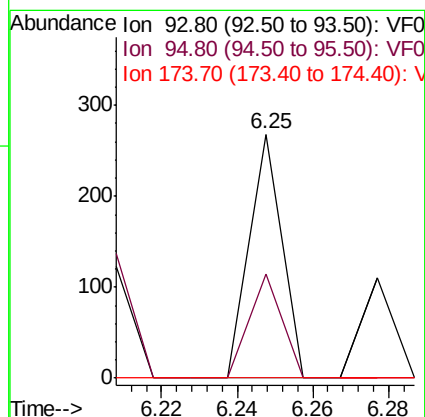
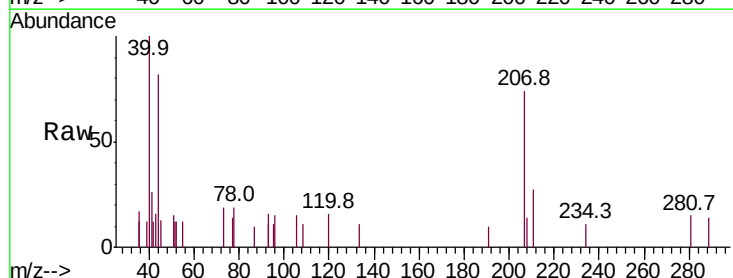
Tgt Ion: 93 Resp: 159

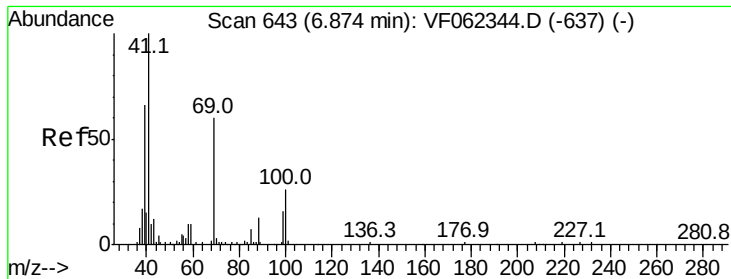
Ion Ratio Lower Upper

93 100

95 42.1 68.4 102.6#

174 0.0 99.6 149.4#





#48

Methyl methacrylate

Concen: 3.127 ug/l

RT: 6.85 min Scan# 641

Delta R.T. -0.03 min

Lab File: VF062377.D

Acq: 8 May 2019 15:12

Instrument :

MSVOA_F

ClientSampleId :

SB-13-1.5-2.0RE

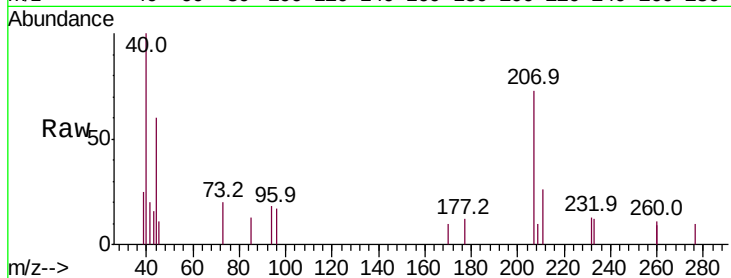
Tot Ion: 41 Resp: 251

Ion Ratio Lower Upper

41 100

69 0.0 48.6 72.8#

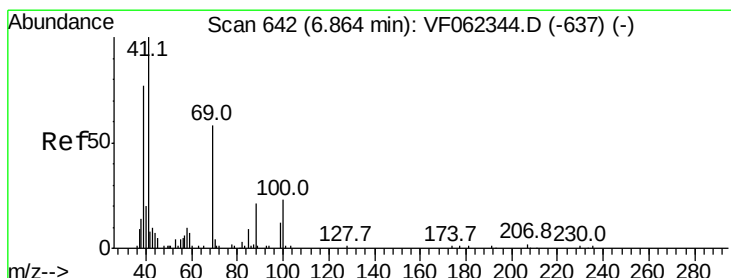
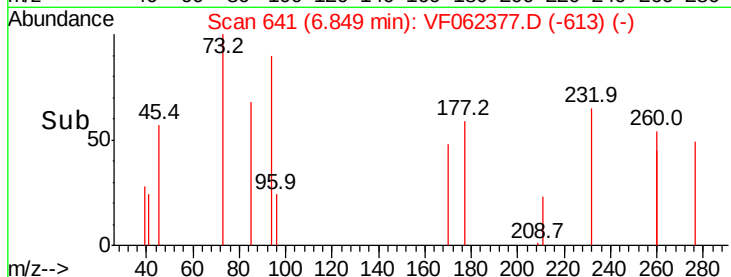
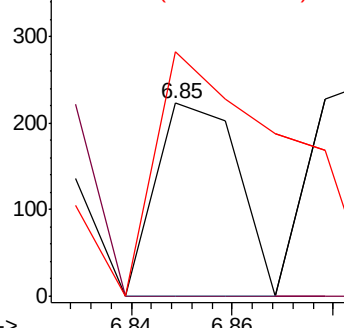
39 204.0 56.1 84.1#



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: 97.216 ug/l

RT: 6.94 min Scan# 650

Delta R.T. 0.07 min

Lab File: VF062377.D

Acq: 8 May 2019 15:12

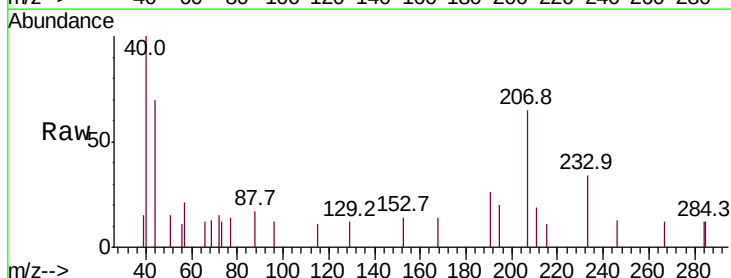
Tgt Ion: 88 Resp: 90

Ion Ratio Lower Upper

88 100

43 0.0 55.6 83.4#

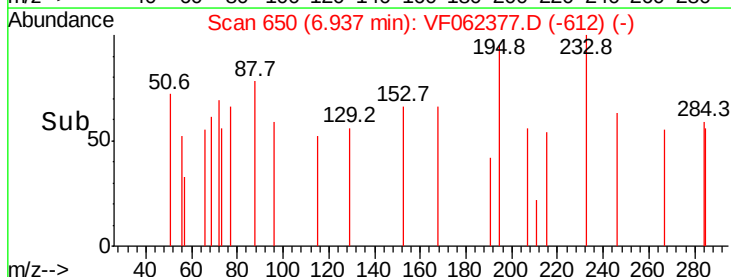
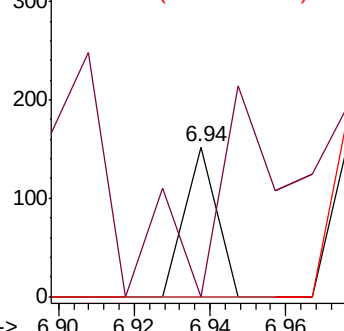
58 0.0 52.8 79.2#

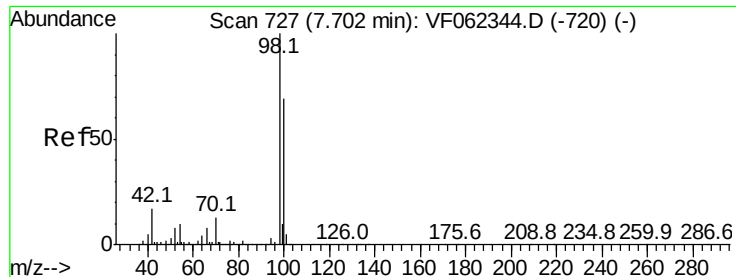


Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#50

Toluene-d8

Concen: 38.276 ug/l

RT: 7.70 min Scan# 727

Delta R.T. -0.01 min

Lab File: VF062377.D

Acq: 8 May 2019 15:12

Instrument :

MSVOA_F

ClientSampleId :

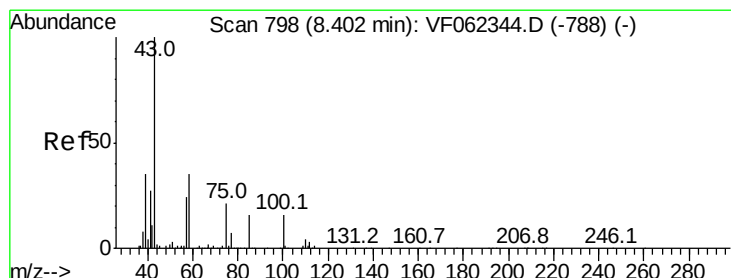
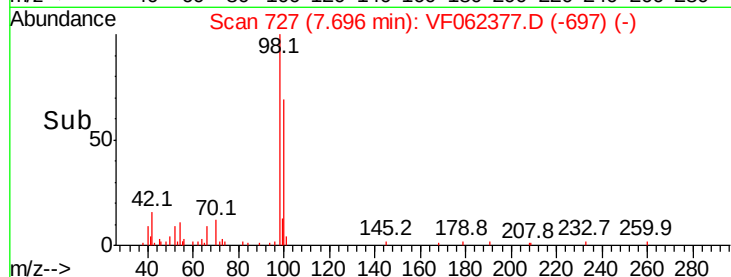
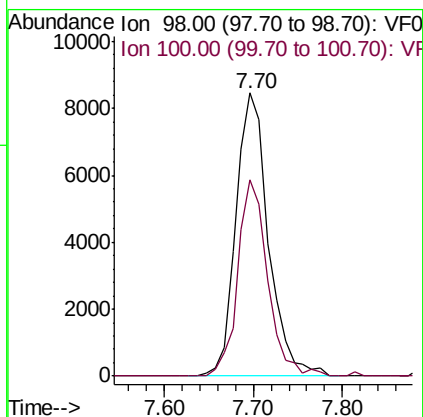
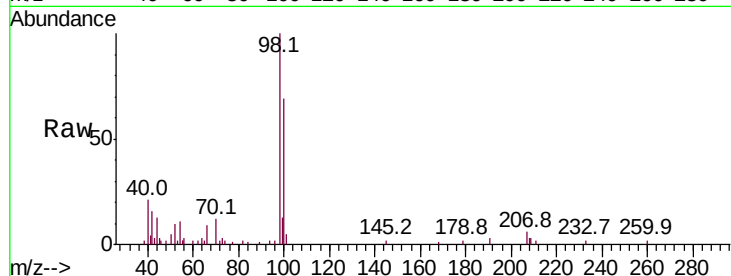
SB-13-1.5-2.0RE

Tot Ion: 98 Resp: 21459

Ion Ratio Lower Upper

98 100

100 63.8 53.3 79.9



#51

4-Methyl-2-Pentanone

Concen: 7.145 ug/l

RT: 8.39 min Scan# 797

Delta R.T. -0.02 min

Lab File: VF062377.D

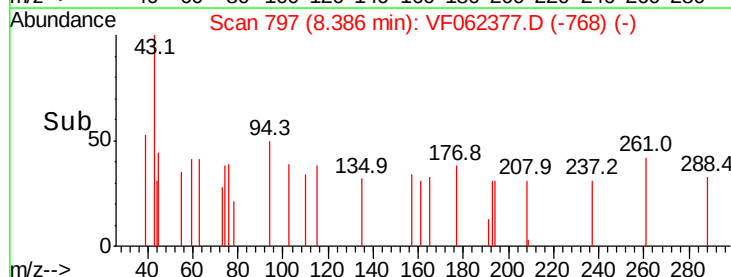
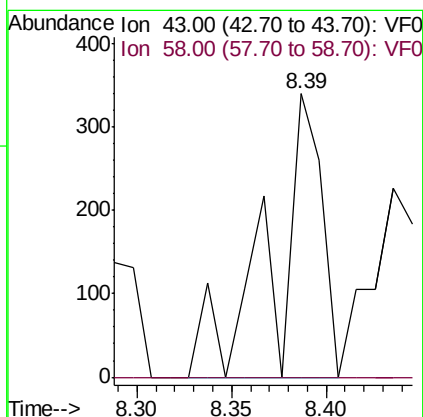
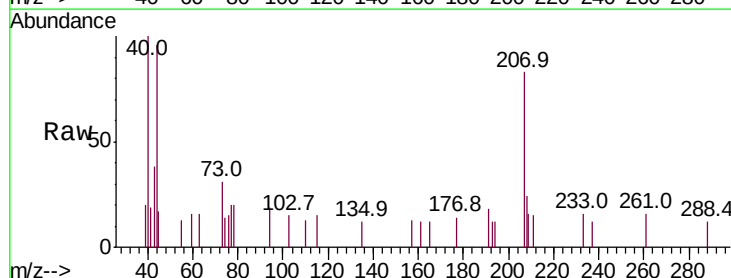
Acq: 8 May 2019 15:12

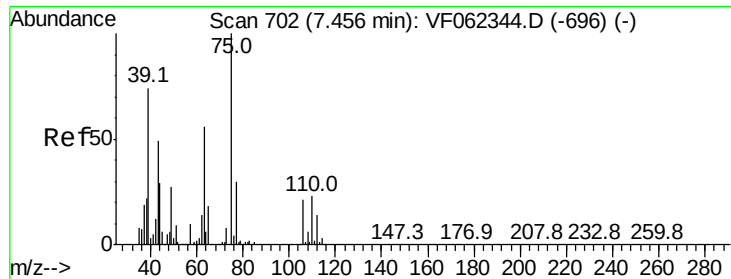
Tgt Ion: 43 Resp: 615

Ion Ratio Lower Upper

43 100

58 0.0 27.8 41.6#





#54

cis-1,3-Dichloropropene

Concen: 1.082 ug/l

RT: 7.42 min Scan# 699

Delta R.T. -0.04 min

Lab File: VF062377.D

Acq: 8 May 2019 15:12

Instrument :

MSVOA_F

ClientSampleId :

SB-13-1.5-2.0RE

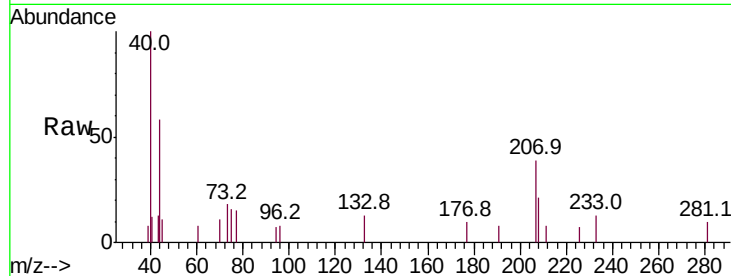
Tot Ion: 75 Resp: 246

Ion Ratio Lower Upper

75 100

77 41.0 24.0 36.0#

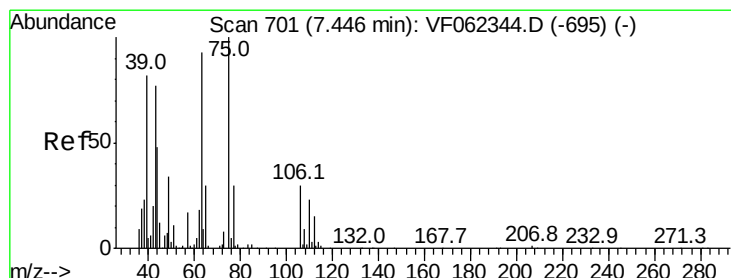
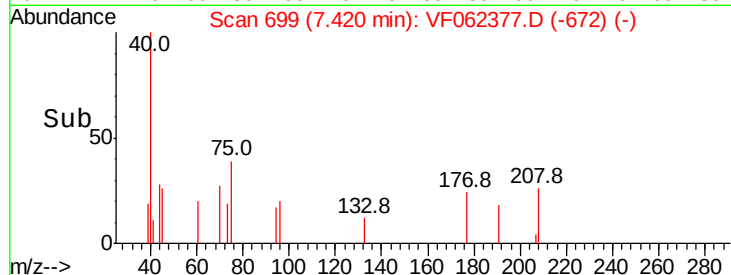
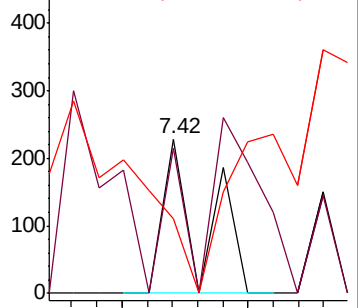
39 0.0 58.7 88.1#



Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 76.90 (76.60 to 77.60): VF0

Ion 39.00 (38.70 to 39.70): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 1.873 ug/l

RT: 7.58 min Scan# 715

Delta R.T. 0.13 min

Lab File: VF062377.D

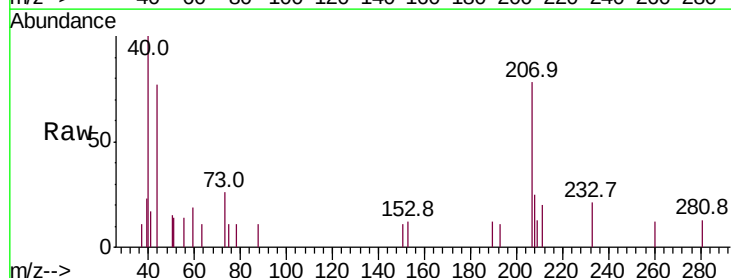
Acq: 8 May 2019 15:12

Tgt Ion: 63 Resp: 64

Ion Ratio Lower Upper

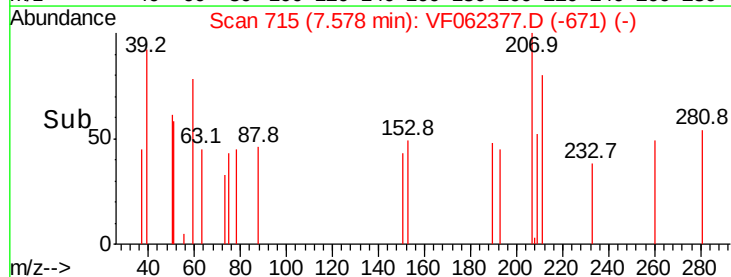
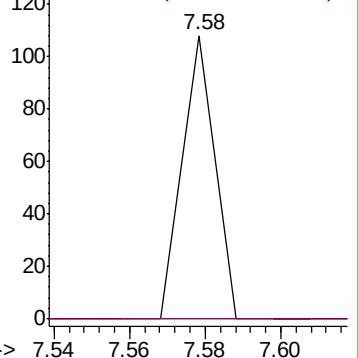
63 100

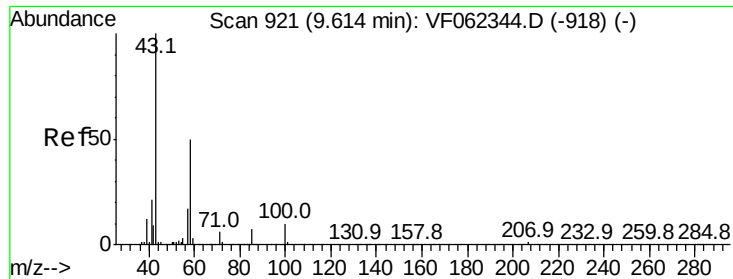
106 0.0 25.8 38.8#



Abundance Ion 62.90 (62.60 to 63.60): VF0

Ion 105.90 (105.60 to 106.60): V

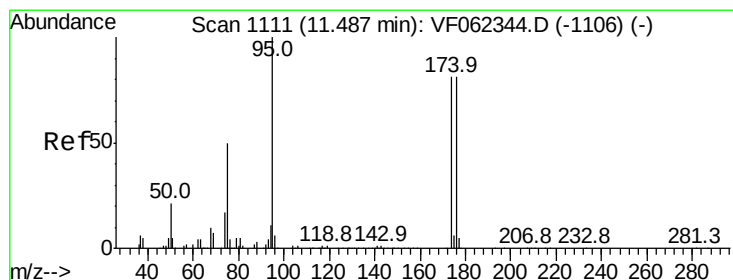
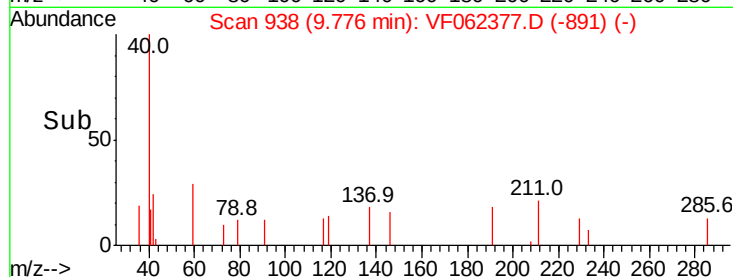
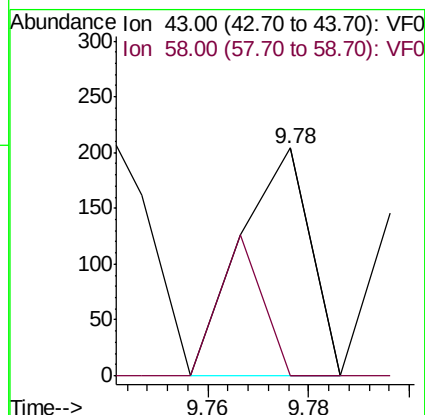
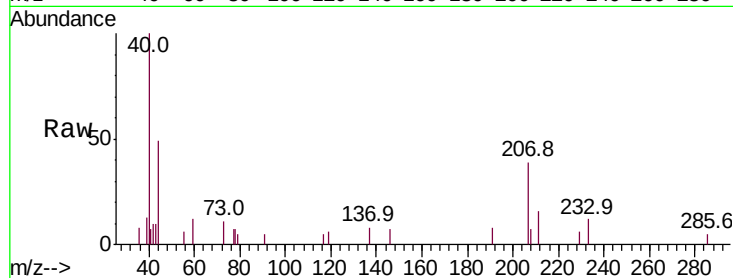




#59
2-Hexanone
Concen: 3.276 ug/l
RT: 9.78 min Scan# 938
Delta R.T. 0.16 min
Lab File: VF062377.D
Acq: 8 May 2019 15:12

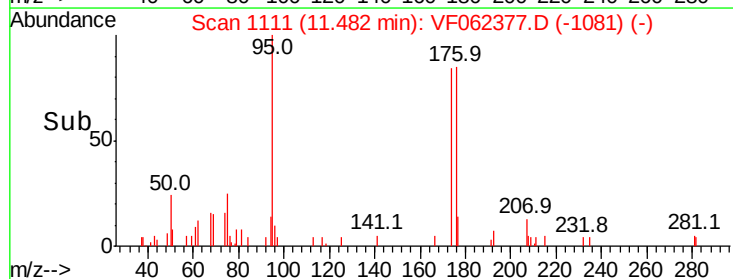
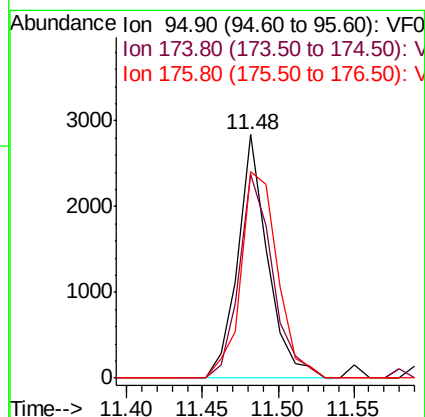
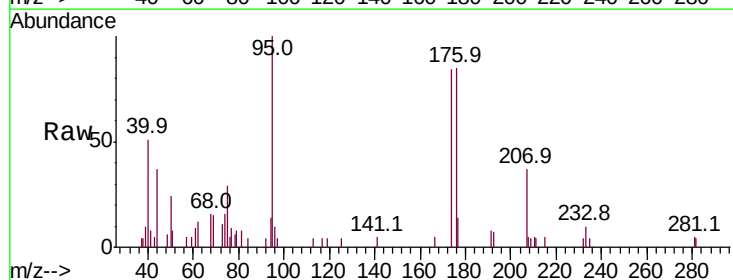
Instrument :
MSVOA_F
ClientSampleId :
SB-13-1.5-2.0RE

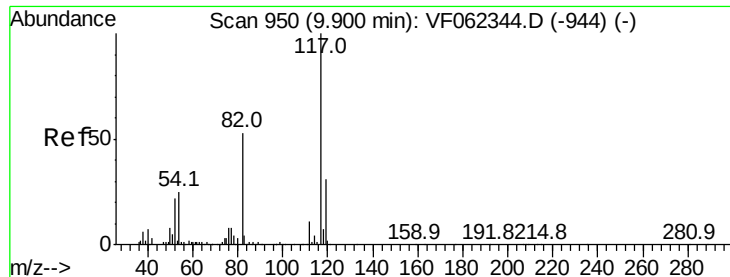
Tot Ion: 43 Resp: 195
Ion Ratio Lower Upper
43 100
58 37.9 24.3 73.0



#62
4-Bromofluorobenzene
Concen: 15.462 ug/l
RT: 11.48 min Scan# 1111
Delta R.T. -0.01 min
Lab File: VF062377.D
Acq: 8 May 2019 15:12

Tgt Ion: 95 Resp: 3911
Ion Ratio Lower Upper
95 100
174 93.6 0.0 191.8
176 103.9 0.0 193.2

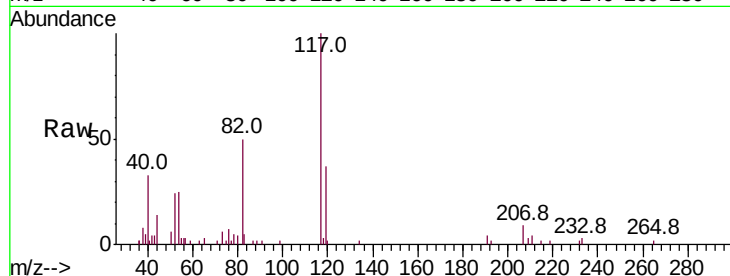




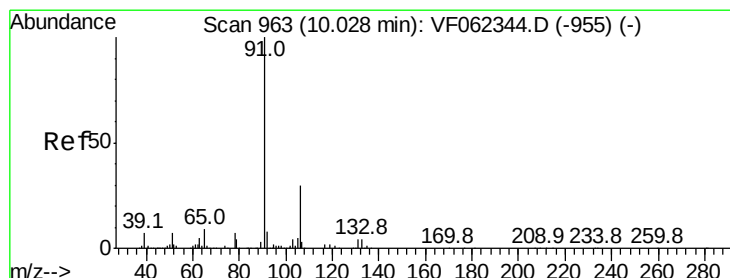
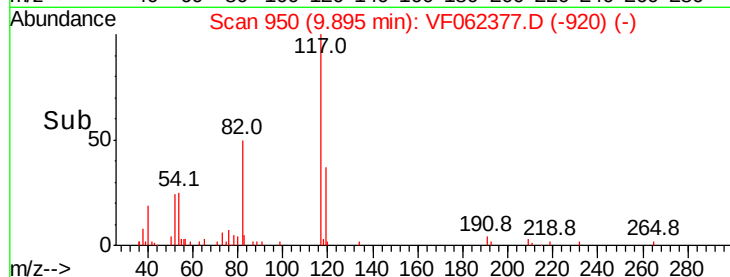
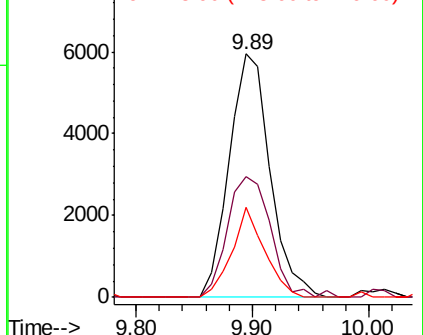
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.89 min Scan# 950
Delta R.T. -0.01 min
Lab File: VF062377.D
Acq: 8 May 2019 15:12

Instrument :
MSVOA_F
ClientSampleId :
SB-13-1.5-2.0RE

Tot Ion:117 Resp: 14459
Ion Ratio Lower Upper
117 100
82 49.8 42.2 63.2
119 37.0 25.0 37.4

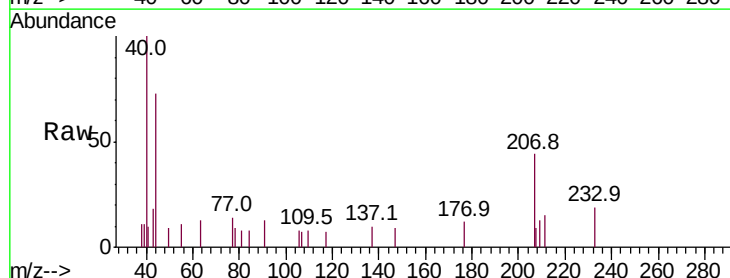


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 118.90 (118.60 to 119.60): V

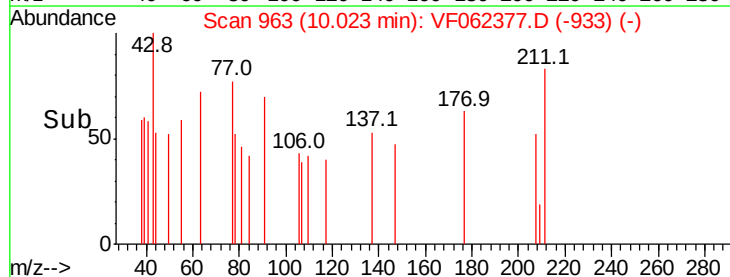
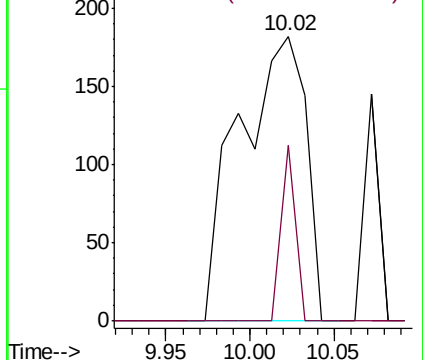


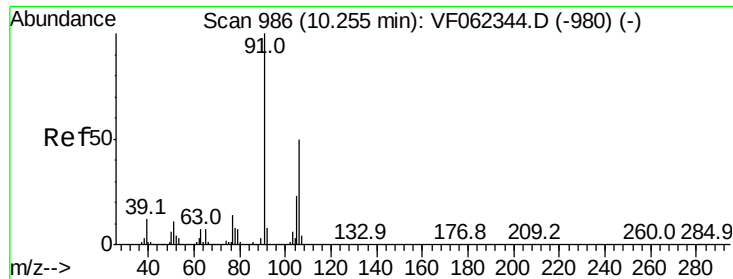
#67
Ethyl Benzene
Concen: 1.196 ug/l
RT: 10.02 min Scan# 963
Delta R.T. -0.01 min
Lab File: VF062377.D
Acq: 8 May 2019 15:12

Tgt Ion: 91 Resp: 501
Ion Ratio Lower Upper
91 100
106 61.5 24.1 36.1#



Abundance Ion 91.00 (90.70 to 91.70): VF0
Ion 106.00 (105.70 to 106.70): V

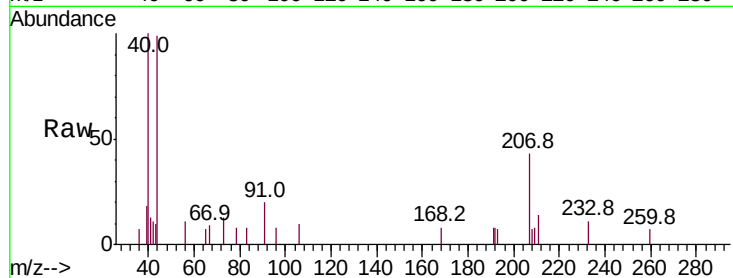




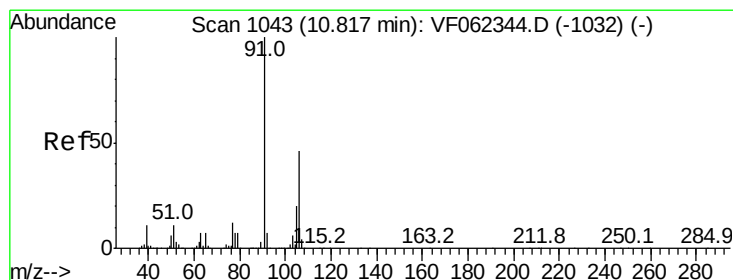
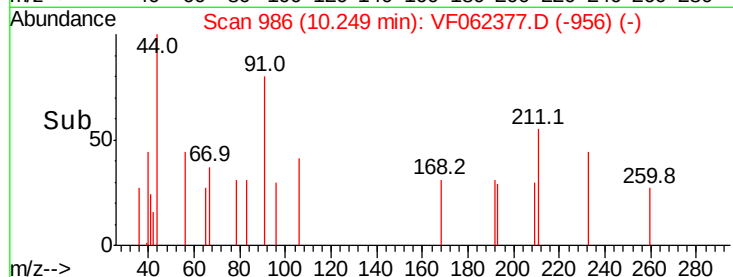
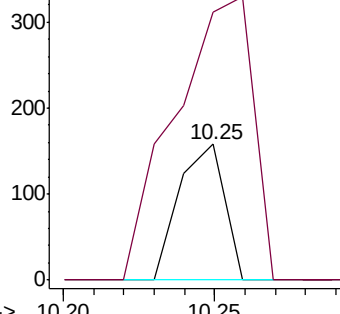
#68
m/p-Xylenes
Concen: 1.080 ug/l
RT: 10.25 min Scan# 986
Delta R.T. -0.01 min
Lab File: VF062377.D
Acq: 8 May 2019 15:12

Instrument :
MSVOA_F
ClientSampleId :
SB-13-1.5-2.0RE

Tot Ion:106 Resp: 167
Ion Ratio Lower Upper
106 100
91 355.1 167.4 251.2#

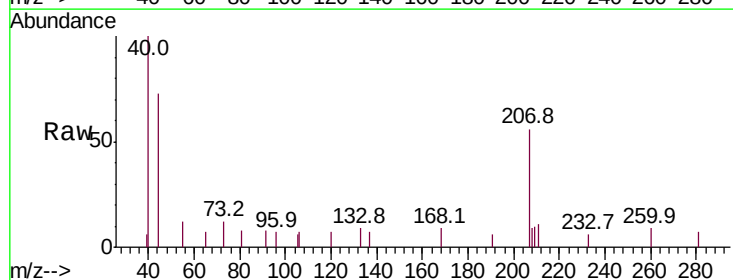


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VF0

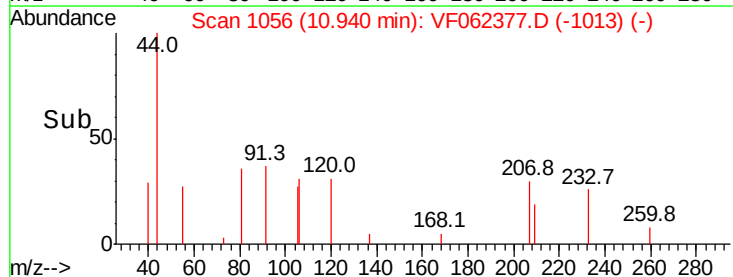
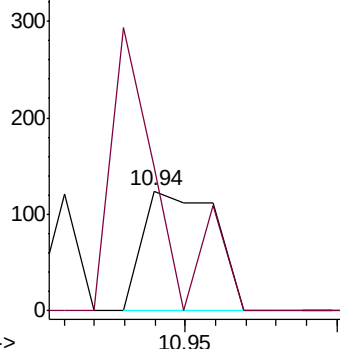


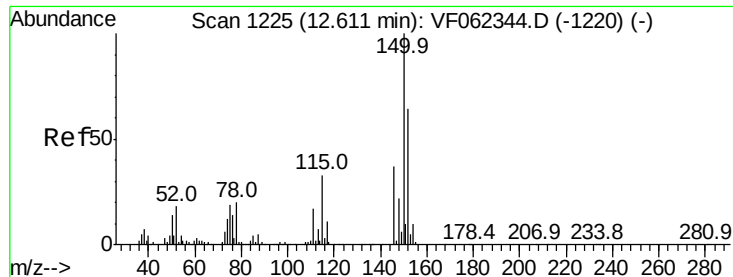
#69
o-Xylene
Concen: 1.233 ug/l
RT: 10.94 min Scan# 1056
Delta R.T. 0.12 min
Lab File: VF062377.D
Acq: 8 May 2019 15:12

Tgt Ion:106 Resp: 206
Ion Ratio Lower Upper
106 100
91 158.3 111.3 333.8



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VF0



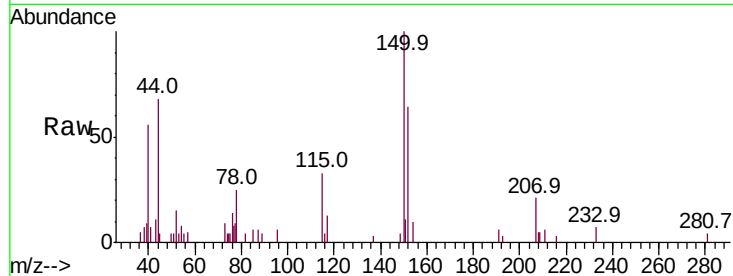


#72

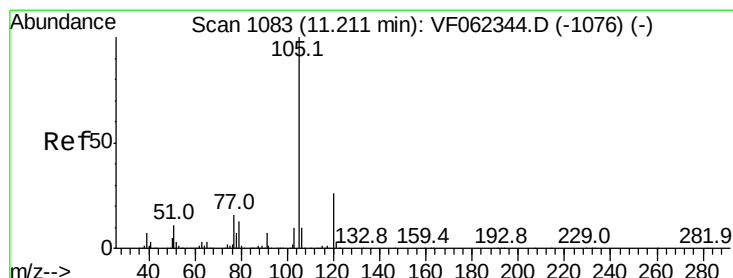
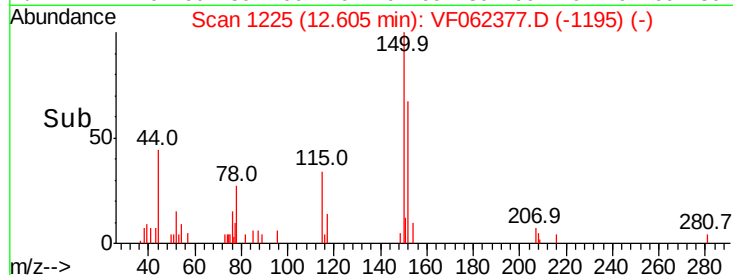
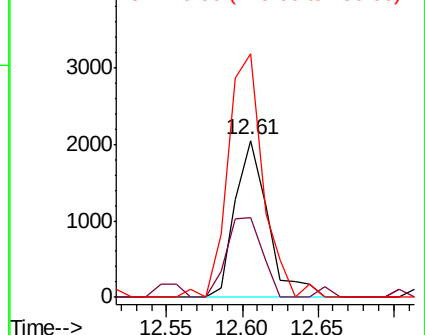
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.61 min Scan# 1225
Delta R.T. -0.01 min
Lab File: VF062377.D
Acq: 8 May 2019 15:12

Instrument :
MSVOA_F
ClientSampleId :
SB-13-1.5-2.0RE

Tot Ion:152 Resp: 3114
Ion Ratio Lower Upper
152 100
115 54.8 26.4 79.2
150 165.9 0.0 335.0



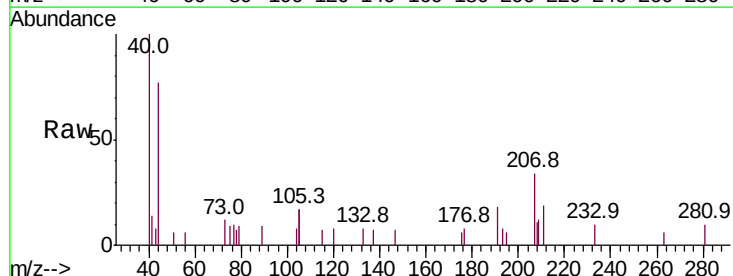
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



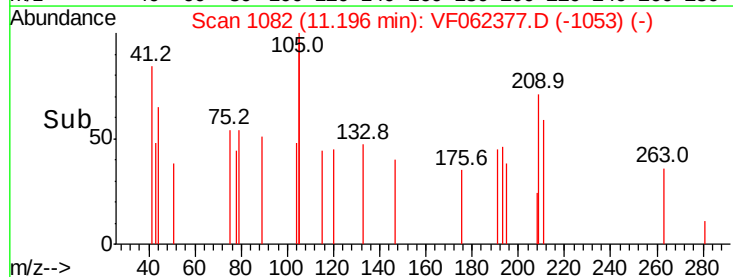
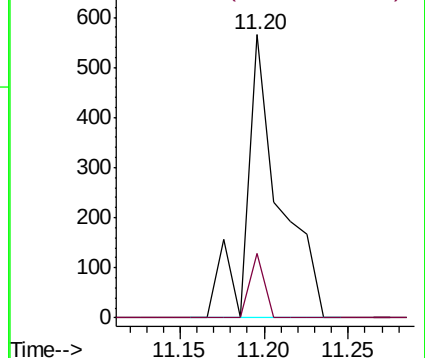
#73

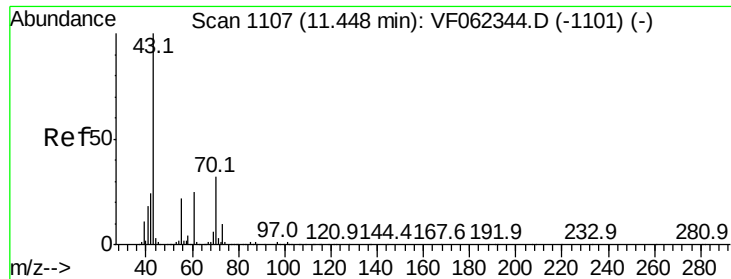
Isopropylbenzene
Concen: 4.203 ug/l
RT: 11.20 min Scan# 1082
Delta R.T. -0.02 min
Lab File: VF062377.D
Acq: 8 May 2019 15:12

Tgt Ion:105 Resp: 776
Ion Ratio Lower Upper
105 100
120 9.8 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-amvl acetate

Concen: 20.740 ug/l

RT: 11.46 min Scan# 1109

Delta R.T. 0.01 min

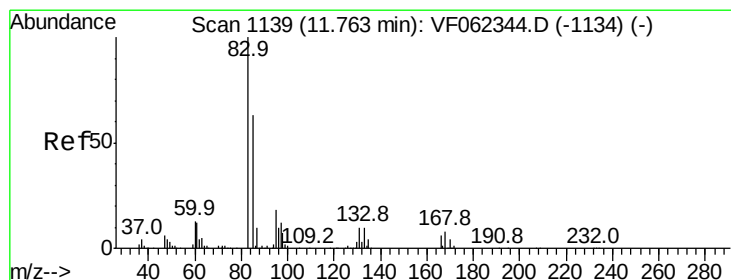
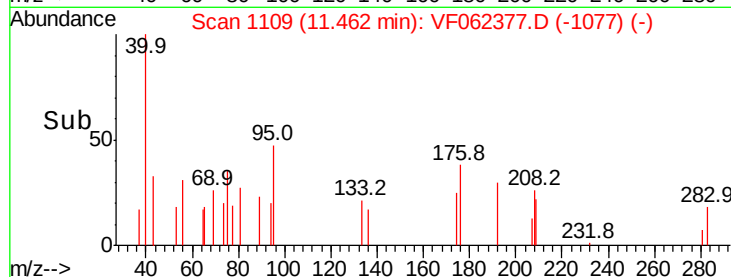
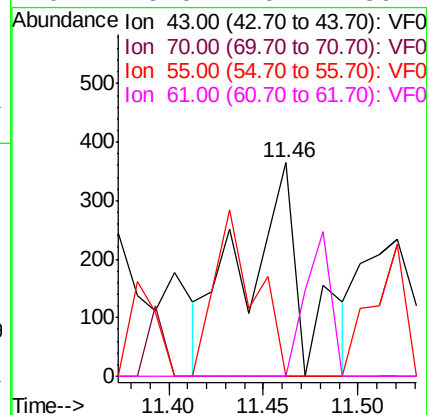
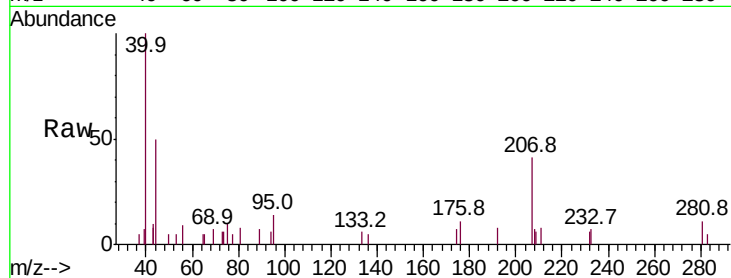
Lab File: VF062377.D

Acq: 8 May 2019 15:12

Instrument :
MSVOA_F
ClientSampleId :
SB-13-1.5-2.0RE

Tot Ion: 43 Resp: 822

Ion	Ratio	Lower	Upper
43	100		
70	0.0	26.5	39.7#
55	0.0	17.8	26.6#
61	28.3	20.2	30.2



#75

1,1,2,2-Tetrachloroethane

Concen: 4.670 ug/l

RT: 11.72 min Scan# 1135

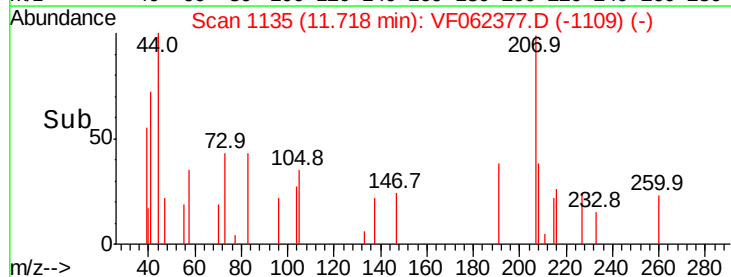
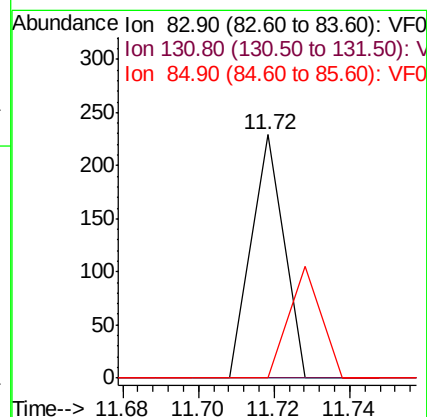
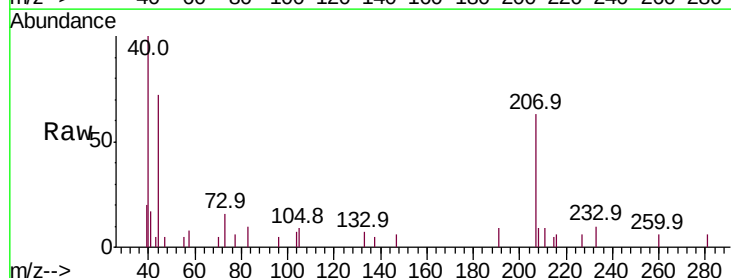
Delta R.T. -0.05 min

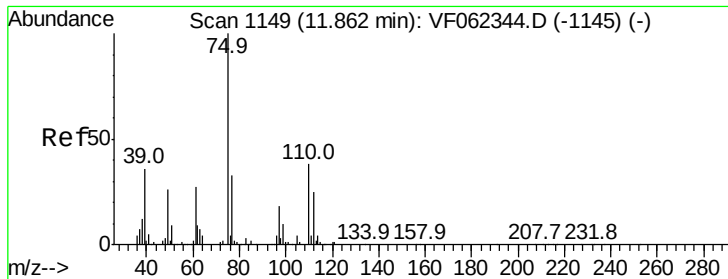
Lab File: VF062377.D

Acq: 8 May 2019 15:12

Tgt Ion: 83 Resp: 135

Ion	Ratio	Lower	Upper
83	100		
131	0.0	5.8	17.4#
85	45.9	35.3	105.7





#76

1,2,3-Trichloropropane

Concen: 7.527 ug/l

RT: 11.87 min Scan# 1150

Delta R.T. 0.00 min

Lab File: VF062377.D

Acq: 8 May 2019 15:12

Instrument :

MSVOA_F

ClientSampleId :

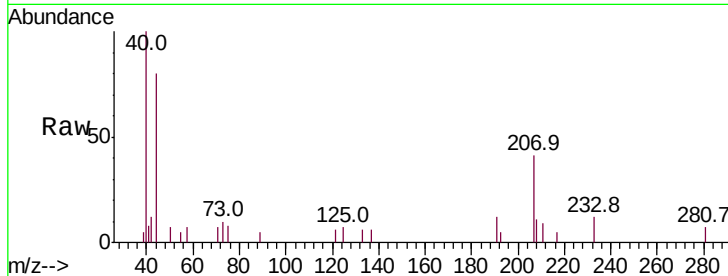
SB-13-1.5-2.0RE

Tot Ion: 75 Resp: 166

Ion Ratio Lower Upper

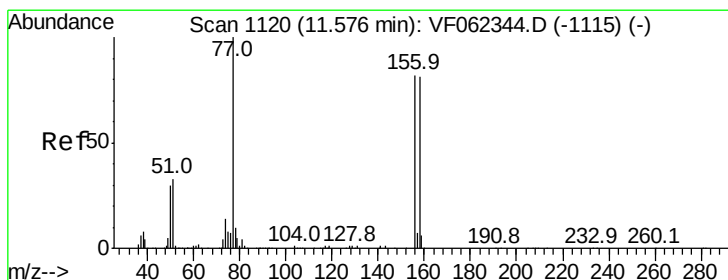
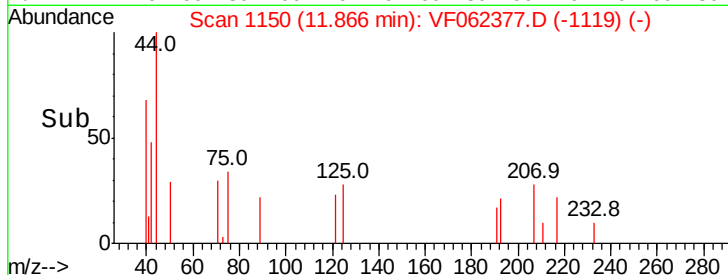
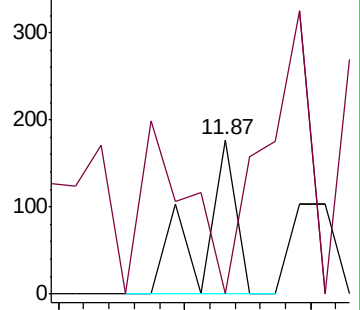
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 77.00 (76.70 to 77.70): VF0



#77

Bromobenzene

Concen: 1.486 ug/l

RT: 11.57 min Scan# 1120

Delta R.T. -0.01 min

Lab File: VF062377.D

Acq: 8 May 2019 15:12

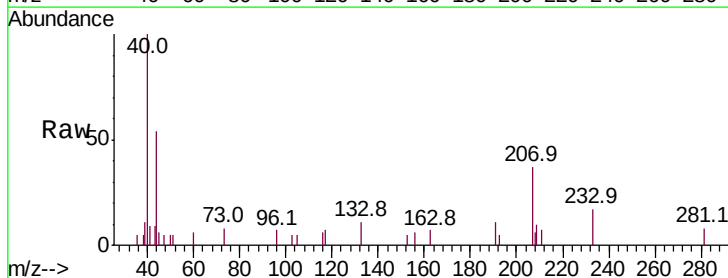
Tgt Ion: 156 Resp: 72

Ion Ratio Lower Upper

156 100

77 663.9 64.8 194.3#

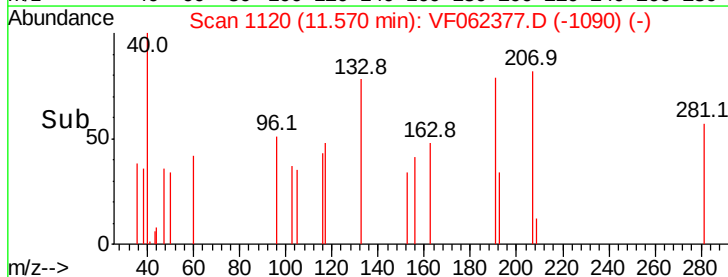
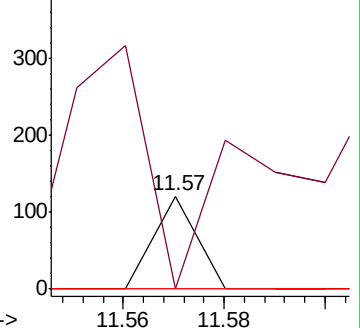
158 0.0 49.1 147.3#

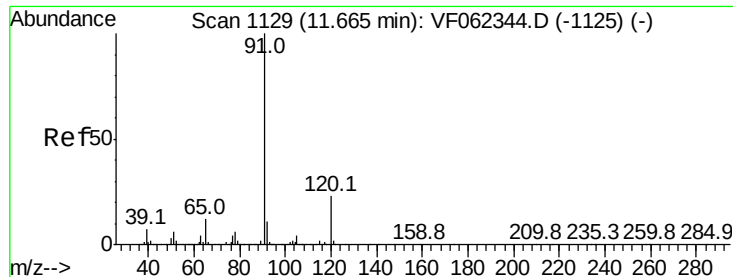


Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 157.80 (157.50 to 158.50): V





#78

n-propylbenzene

Concen: 3.231 ug/l

RT: 11.67 min Scan# 1130

Delta R.T. 0.00 min

Lab File: VF062377.D

Acq: 8 May 2019 15:12

Instrument :

MSVOA_F

ClientSampleId :

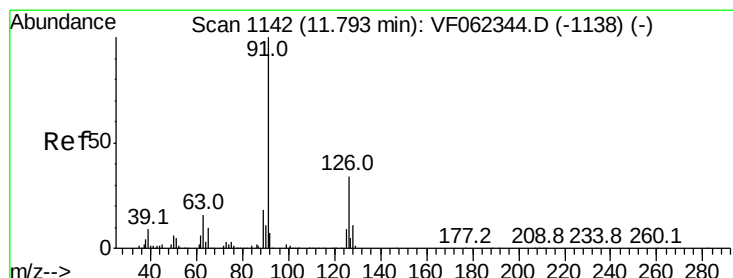
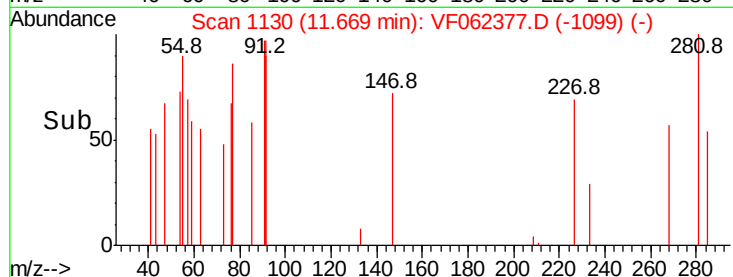
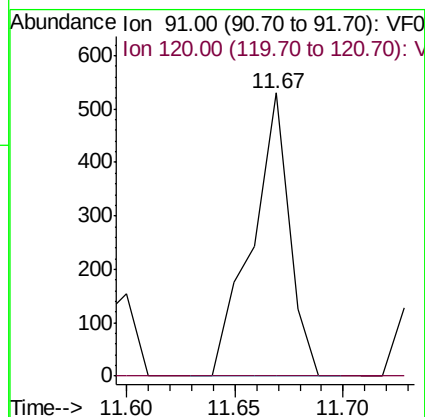
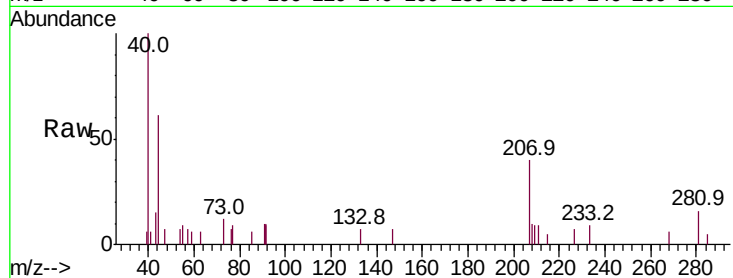
SB-13-1.5-2.0RE

Tot Ion: 91 Resp: 635

Ion Ratio Lower Upper

91 100

120 0.0 11.9 35.5#



#79

2-Chlorotoluene

Concen: 2.422 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. -0.02 min

Lab File: VF062377.D

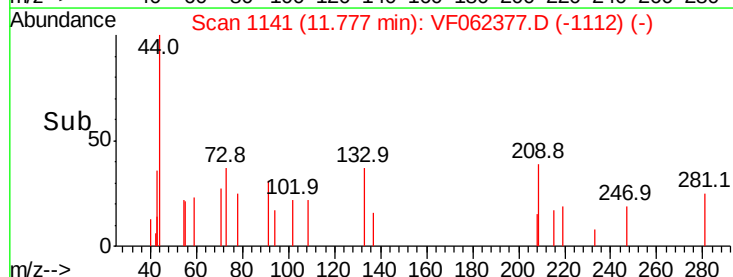
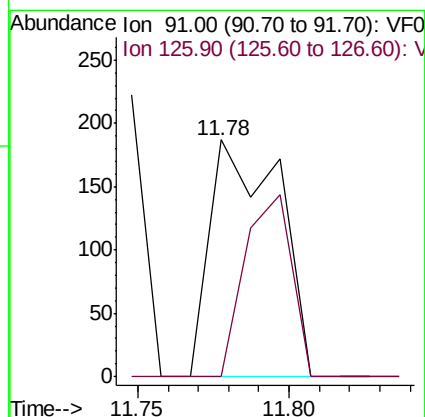
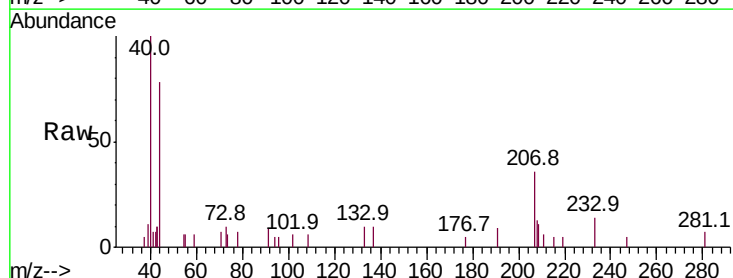
Acq: 8 May 2019 15:12

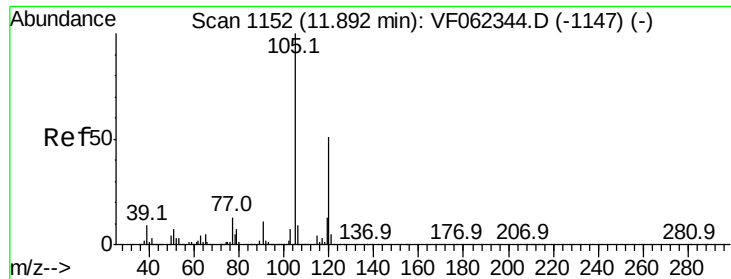
Tgt Ion: 91 Resp: 296

Ion Ratio Lower Upper

91 100

126 52.0 17.8 53.4





#80

1,3,5-Trimethylbenzene

Concen: 2.688 ug/l

RT: 11.89 min Scan# 1152

Delta R.T. -0.01 min

Lab File: VF062377.D

Acq: 8 May 2019 15:12

Instrument :

MSVOA_F

ClientSampleId :

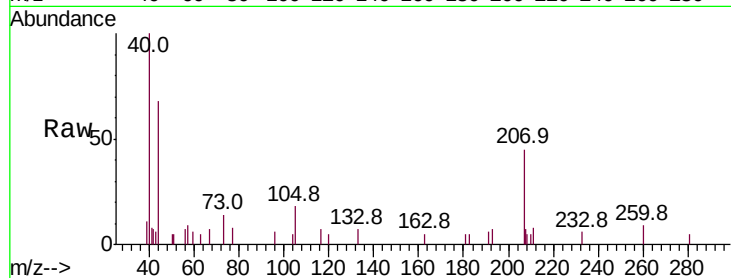
SB-13-1.5-2.0RE

Tot Ion:105 Resp: 435

Ion Ratio Lower Upper

105 100

120 45.7 24.6 74.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.89

400

300

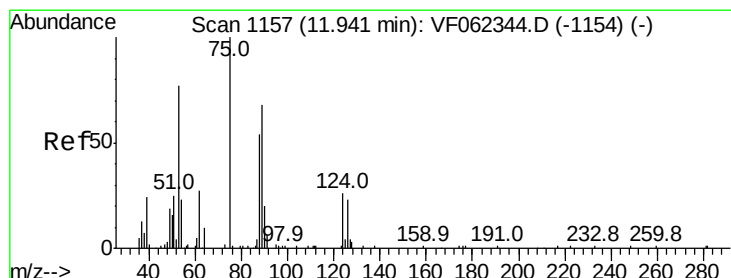
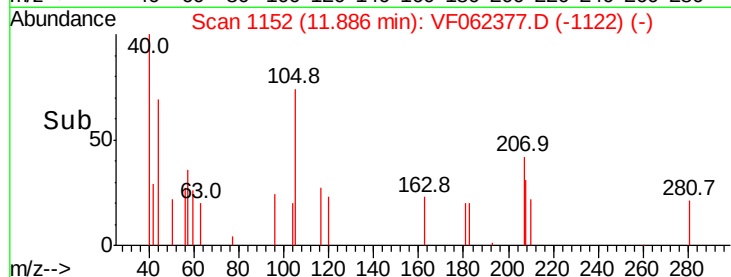
200

100

0

11.85 11.90

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 55.975 ug/l

RT: 11.96 min Scan# 1160

Delta R.T. 0.02 min

Lab File: VF062377.D

Acq: 8 May 2019 15:12

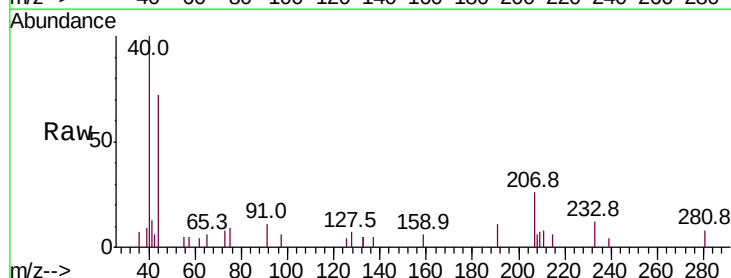
Tgt Ion: 75 Resp: 464

Ion Ratio Lower Upper

75 100

53 0.0 71.9 107.9#

89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 88.90 (88.60 to 89.60): VF0

400

300

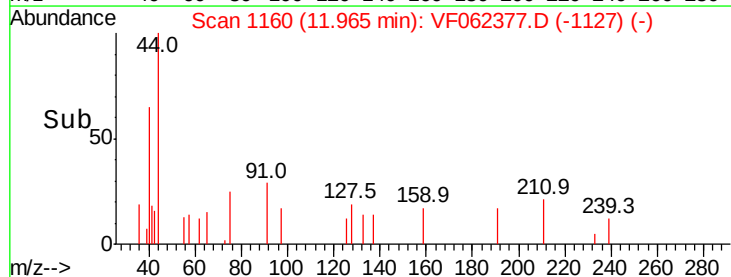
200

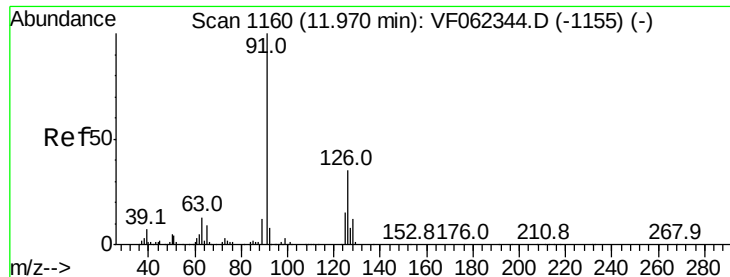
100

0

11.90 11.95 12.00

Time-->





#82

4-Chlorotoluene

Concen: 2.452 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. -0.19 min

Lab File: VF062377.D

Acq: 8 May 2019 15:12

Instrument :

MSVOA_F

ClientSampleId :

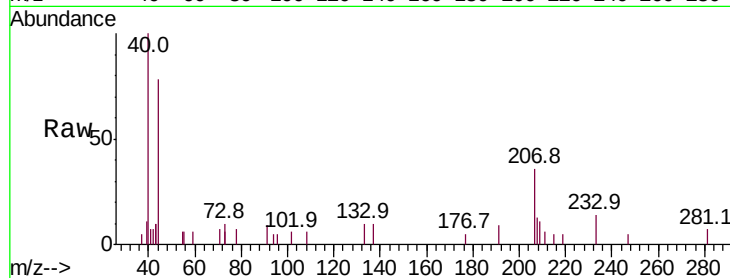
SB-13-1.5-2.0RE

Tot Ion: 91 Resp: 296

Ion Ratio Lower Upper

91 100

126 52.0 17.7 53.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 125.90 (125.60 to 126.60): V

250

200

150

100

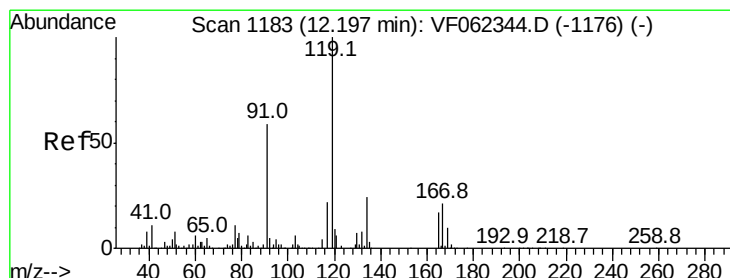
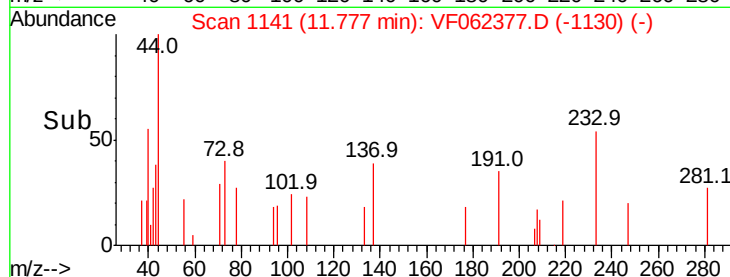
50

0

11.75

11.80

Time-->



#83

tert-Butylbenzene

Concen: 2.529 ug/l

RT: 12.19 min Scan# 1183

Delta R.T. -0.01 min

Lab File: VF062377.D

Acq: 8 May 2019 15:12

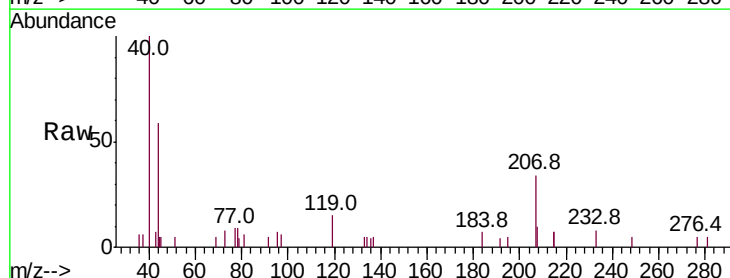
Tgt Ion: 119 Resp: 430

Ion Ratio Lower Upper

119 100

91 45.3 30.4 91.3

134 28.4 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

400

300

200

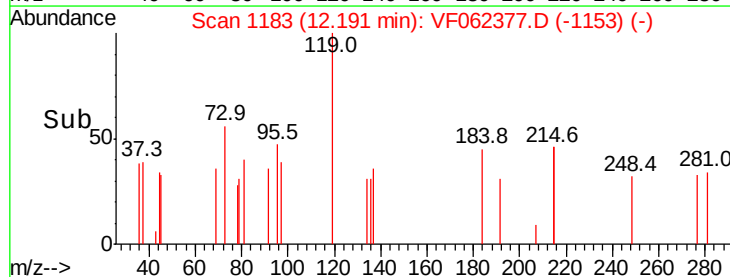
100

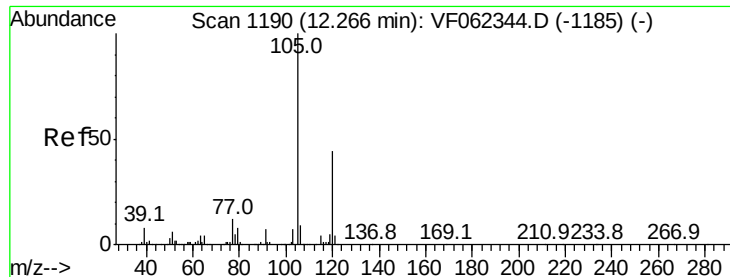
0

12.15

12.20

Time-->

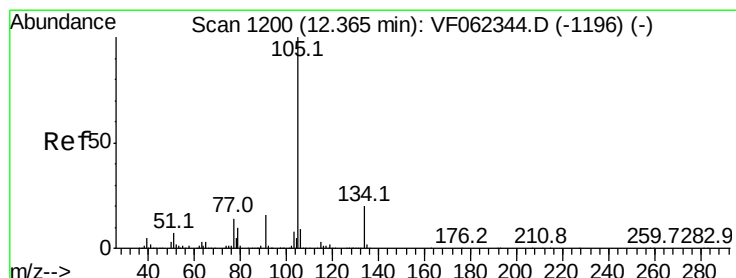
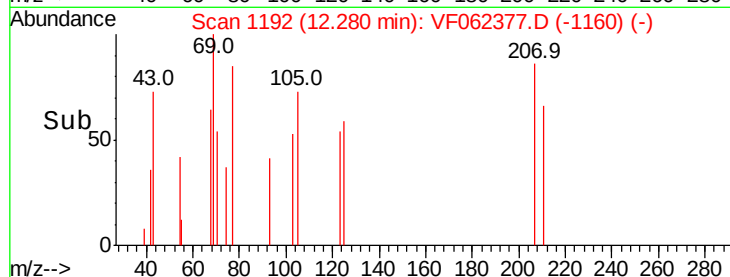
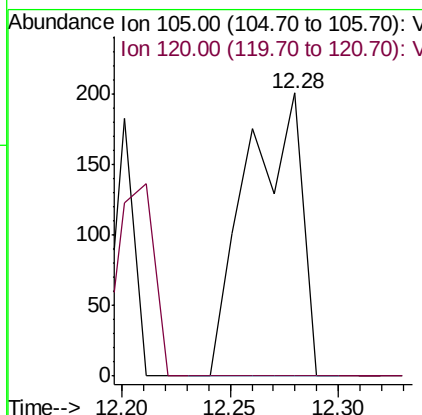
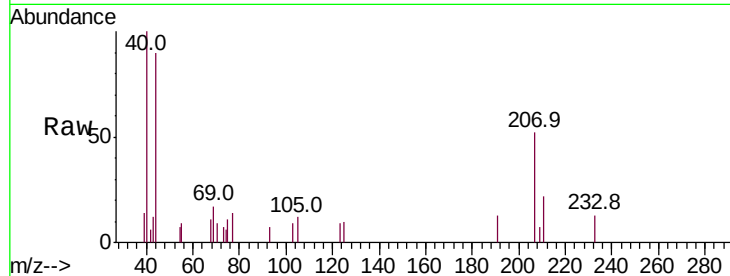




#84
 1,2,4-Trimethylbenzene
 Concen: 2.267 ug/l
 RT: 12.28 min Scan# 1192
 Delta R.T. 0.01 min
 Lab File: VF062377.D
 Acq: 8 May 2019 15:12

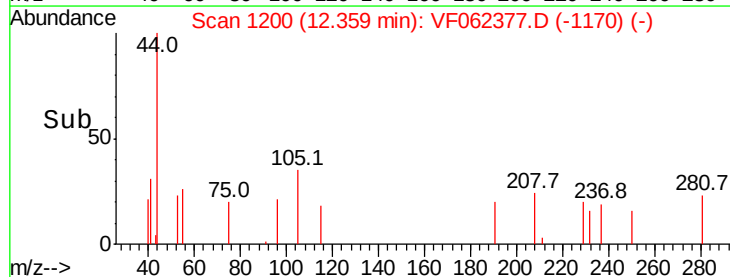
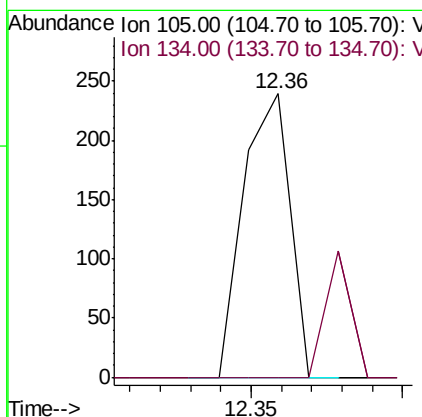
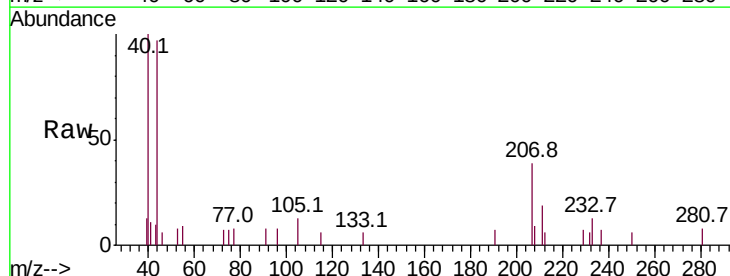
Instrument :
 MSVOA_F
 ClientSampleId :
 SB-13-1.5-2.0RE

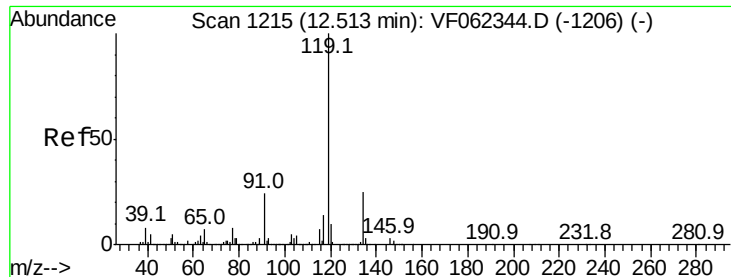
Tot Ion:105 Resp: 359
 Ion Ratio Lower Upper
 105 100
 120 0.0 22.6 67.7#



#85
 sec-Butylbenzene
 Concen: 1.232 ug/l
 RT: 12.36 min Scan# 1200
 Delta R.T. -0.01 min
 Lab File: VF062377.D
 Acq: 8 May 2019 15:12

Tgt Ion:105 Resp: 255
 Ion Ratio Lower Upper
 105 100
 134 24.7 9.8 29.5

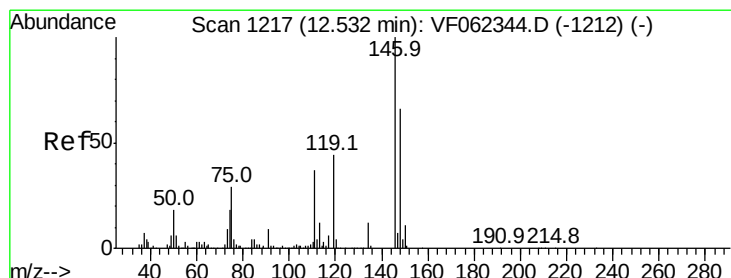
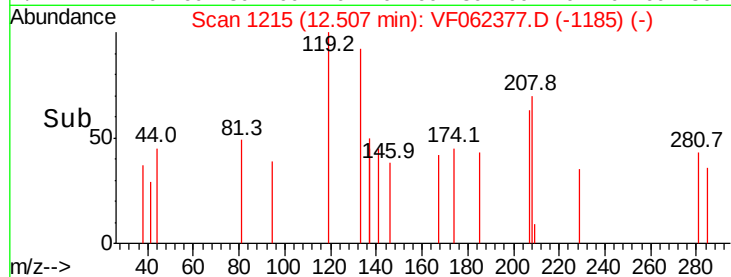
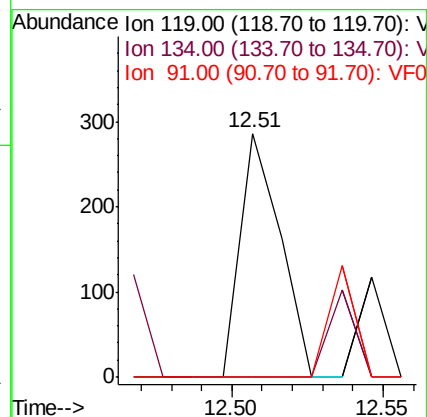
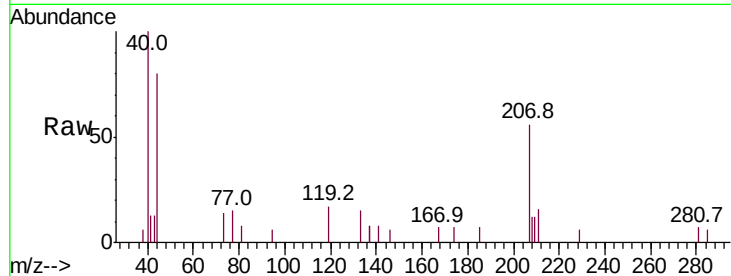




#86
 p-Isopropyltoluene
 Concen: 1.378 ug/l
 RT: 12.51 min Scan# 1215
 Delta R.T. -0.01 min
 Lab File: VF062377.D
 Acq: 8 May 2019 15:12

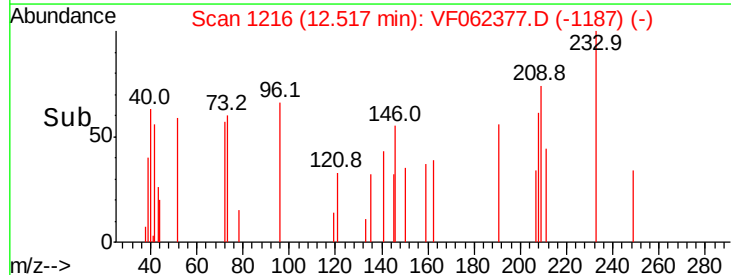
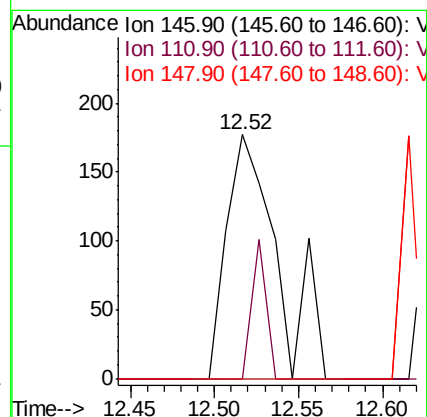
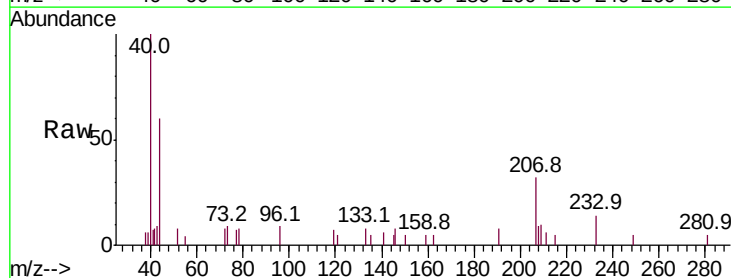
Instrument :
 MSVOA_F
 ClientSampleId :
 SB-13-15-2.0RE

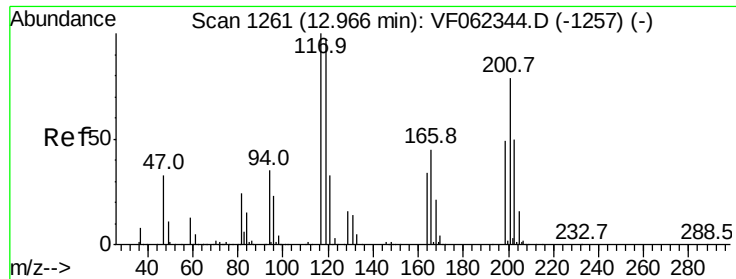
Tot Ion	Ratio	Lower	Upper
119	100		
134	0.0	12.9	38.7#
91	0.0	12.3	36.8#



#87
 1,3-Dichlorobenzene
 Concen: 4.215 ug/l
 RT: 12.52 min Scan# 1216
 Delta R.T. -0.02 min
 Lab File: VF062377.D
 Acq: 8 May 2019 15:12

Tgt Ion	Ratio	Lower	Upper
146	100		
111	16.1	18.3	54.8#
148	0.0	32.3	96.9#





#90

Hexachloroethane

Concen: 1.812 ug/l

RT: 13.12 min Scan# 1277

Delta R.T. 0.15 min

Lab File: VF062377.D

Acq: 8 May 2019 15:12

Instrument :

MSVOA_F

ClientSampleId :

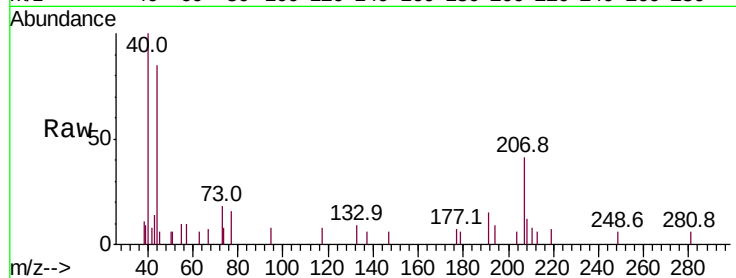
SB-13-1.5-2.0RE

Tot Ion:117 Resp: 87

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

13.12

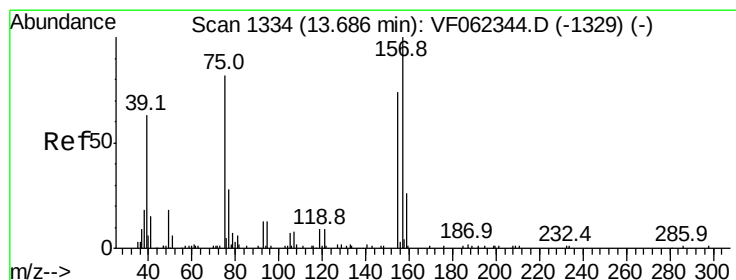
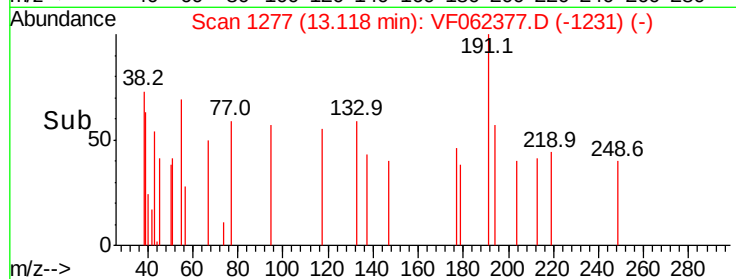
150

100

50

0

Time--> 13.08 13.10 13.12 13.14



#92

1,2-Dibromo-3-Chloropropane

Concen: 15.134 ug/l

RT: 13.76 min Scan# 1342

Delta R.T. 0.07 min

Lab File: VF062377.D

Acq: 8 May 2019 15:12

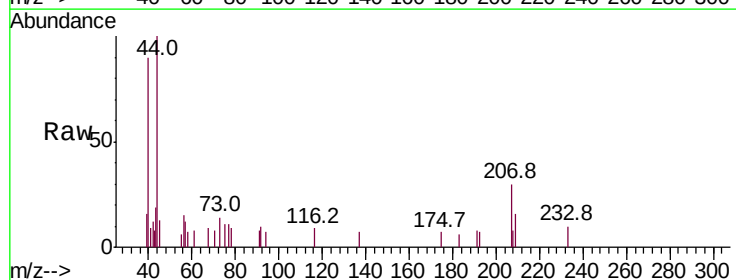
Tgt Ion: 75 Resp: 98

Ion Ratio Lower Upper

75 100

155 68.4 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

13.76

200

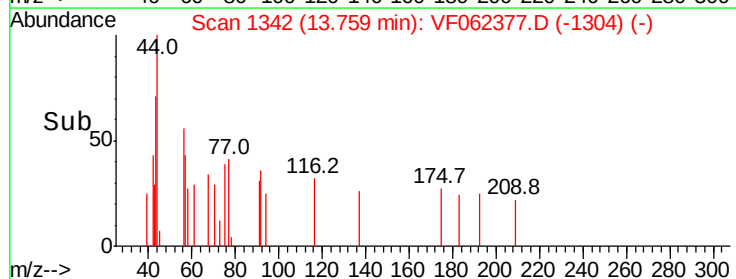
150

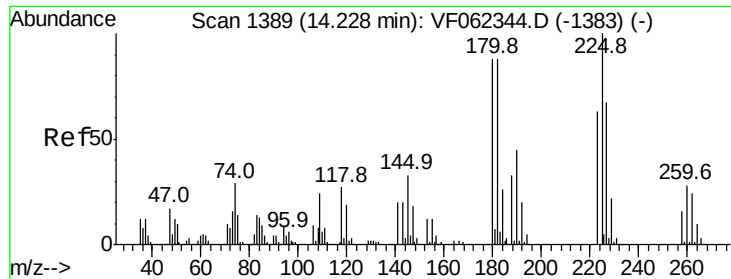
100

50

0

Time--> 13.72 13.74 13.76 13.78





#94

Hexachlorobutadiene

Concen: 1.100 ug/l

RT: 14.36 min Scan# 1403

Delta R.T. 0.13 min

Lab File: VF062377.D

Acq: 8 May 2019 15:12

Instrument :

MSVOA_F

ClientSampleId :

SB-13-1.5-2.0RE

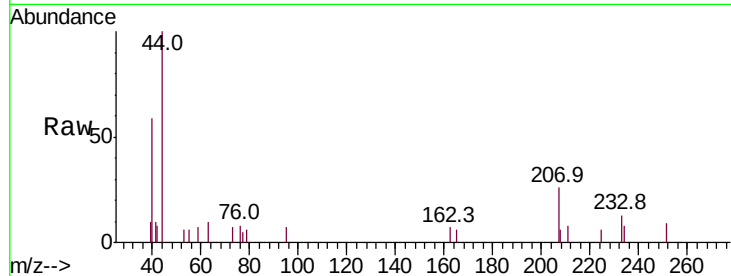
Tot Ion: 225 Resp: 63

Ion Ratio Lower Upper

225 100

223 0.0 31.9 95.5#

227 0.0 33.1 99.5#



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

