

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051719\
 Data File : VF062647.D
 Acq On : 17 May 2019 19:19
 Operator : FY/SY
 Sample : K2894-13
 Misc : 5.01µ/5mL/MSVOA F/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 SB-08-5-6

Quant Time: May 18 01:43:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F051619S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 05:49:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	70941	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.77	114	88195	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.91	117	41144	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.61	152	6540	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.03	65	4864	9.70	ug/l	-0.01
Spiked Amount			Recovery	=	19.40%	
35) Dibromofluoromethane	4.31	113	16627	24.64	ug/l	-0.01
Spiked Amount			Recovery	=	49.28%	
50) Toluene-d8	7.71	98	48992	30.40	ug/l	-0.01
Spiked Amount			Recovery	=	60.80%	
62) 4-Bromofluorobenzene	11.49	95	7693	12.59	ug/l	-0.01
Spiked Amount			Recovery	=	25.18%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.01	85	1339	1.387	ug/l #	67
4) Vinyl Chloride	1.20	62	883	1.079	ug/l	89
5) Bromomethane	1.38	94	866	1.935	ug/l #	52
6) Chloroethane	1.33	64	624	2.076	ug/l	97
11) Tert butyl alcohol	2.69	59	254	7.675	ug/l #	1
12) 1,1-Dichloroethene	1.83	96	793	1.244	ug/l #	1
13) Acrolein	1.98	56	804	23.272	ug/l	90
14) Allyl chloride	2.17	41	1912	3.315	ug/l #	46
15) Acrylonitrile	3.20	53	837	8.965	ug/l	90
16) Acetone	2.35	43	1154	8.873	ug/l #	36
18) Methyl Acetate	2.41	43	1233	6.033	ug/l #	52
23) Vinyl Acetate	3.35	43	1393	1.452	ug/l #	73
25) 2-Butanone	4.50	43	345	1.242	ug/l	91
26) 2,2-Dichloropropane	3.81	77	1072	1.795	ug/l	94
27) cis-1,2-Dichloroethene	3.63	96	1103	1.077	ug/l	52
29) Tetrahydrofuran	4.28	42	1415	12.584	ug/l #	46
36) 1,1-Dichloropropene	4.50	75	983	1.088	ug/l #	26
37) Ethyl Acetate	4.30	43	842	2.282	ug/l #	41
41) Methacrylonitrile	4.96	41	1494	7.723	ug/l #	79
43) Isopropyl Acetate	7.11	43	1461	3.056	ug/l #	81
46) Dibromomethane	6.26	93	449	1.250	ug/l #	21
48) Methyl methacrylate	6.91	41	541	2.165	ug/l #	47
49) 1,4-Dioxane	6.88	88	60	18.748	ug/l #	1
51) 4-Methyl-2-Pentanone	8.47	43	1001	3.063	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.41	63	206	1.390	ug/l #	51
59) 2-Hexanone	9.51	43	1355	Below Cal		63
70) Styrene	10.90	104	1130	1.368	ug/l #	56
73) Isopropylbenzene	11.21	105	672	1.434	ug/l #	45
74) N-amyl acetate	11.44	43	1511	8.153	ug/l #	63
76) 1,2,3-Trichloropropane	12.00	75	454	7.213	ug/l	99
78) n-propylbenzene	11.67	91	745	1.343	ug/l	80
79) 2-Chlorotoluene	11.82	91	1101	3.522	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.96	75	248	8.864	ug/l #	26
82) 4-Chlorotoluene	12.00	91	726	2.355	ug/l	92

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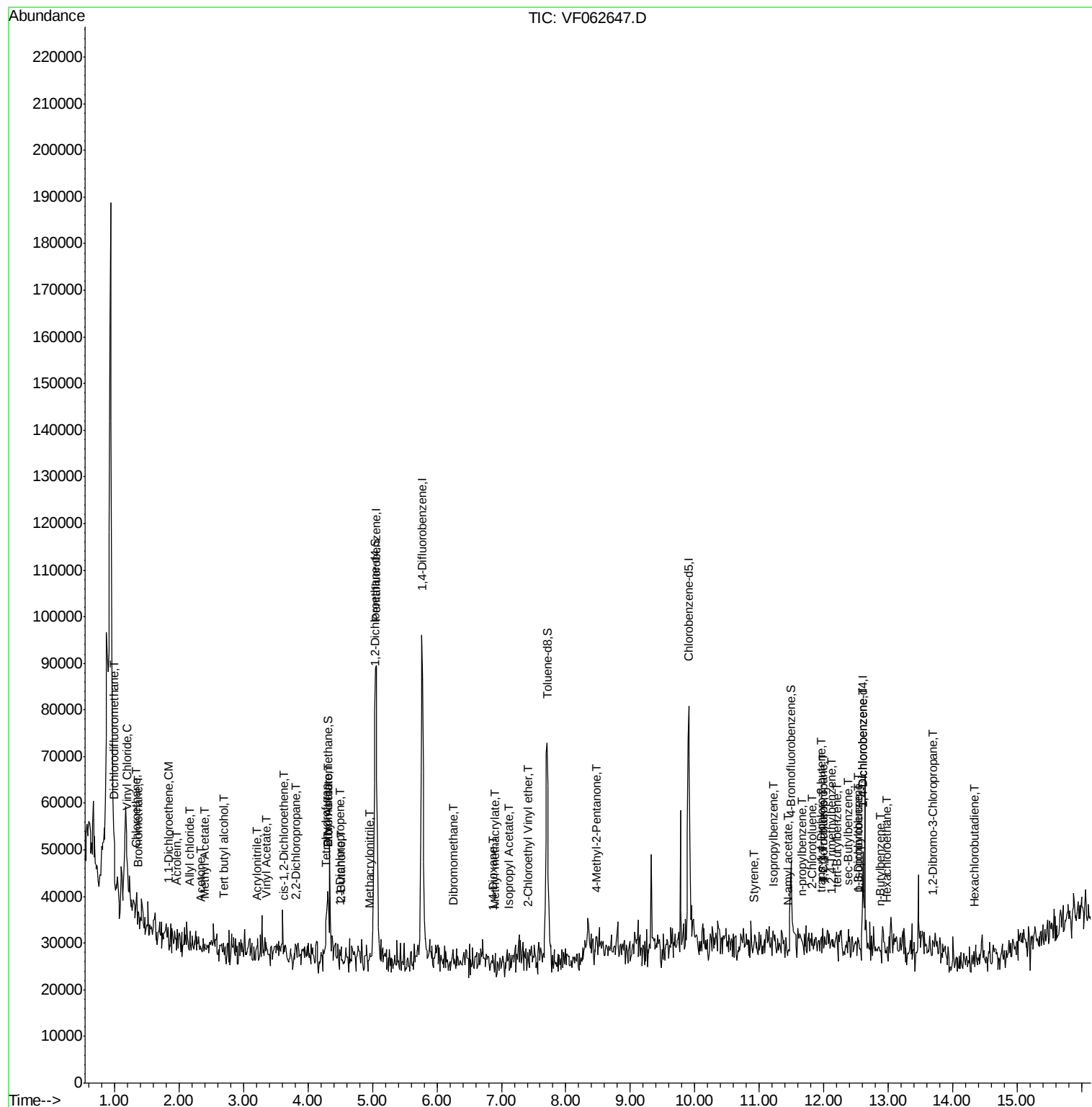
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
83) tert-Butylbenzene	12.19	119	646	1.694	ug/l #	77
84) 1,2,4-Trimethylbenzene	12.12	105	470	1.292	ug/l	83
85) sec-Butylbenzene	12.37	105	647	1.264	ug/l #	1
86) p-Isopropyltoluene	12.52	119	608	1.410	ug/l #	71
87) 1,3-Dichlorobenzene	12.53	146	214	1.015	ug/l #	70
88) 1,4-Dichlorobenzene	12.61	146	234	1.183	ug/l #	24
89) n-Butylbenzene	12.87	91	874	2.055	ug/l #	25
90) Hexachloroethane	12.97	117	110	1.063	ug/l #	20
92) 1,2-Dibromo-3-Chloropropan	13.69	75	143	12.514	ug/l #	1
94) Hexachlorobutadiene	14.33	225	189	2.014	ug/l #	53

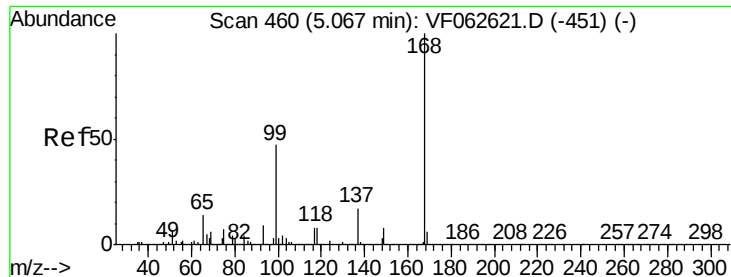
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.05 min Scan# 458

Delta R.T. -0.02 min

Lab File: VF062647.D

Acq: 17 May 2019 19:19

Instrument :

MSVOA_F

ClientSampleId :

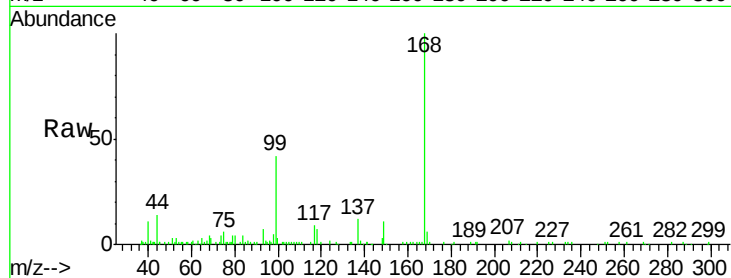
SB-08-5-6

Tot Ion:168 Resp: 70941

Ion Ratio Lower Upper

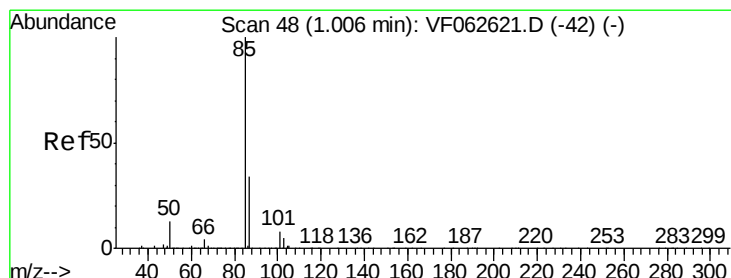
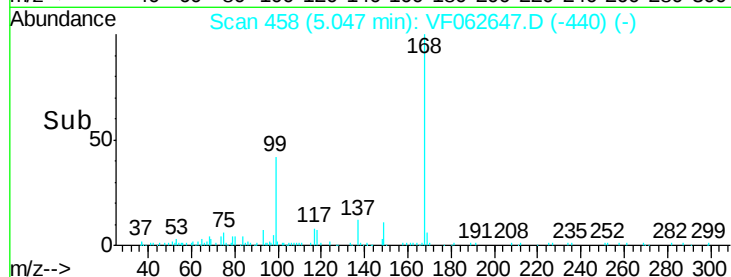
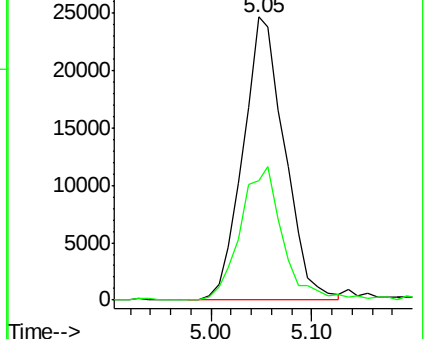
168 100

99 42.3 37.8 56.8



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 1.387 ug/l

RT: 1.01 min Scan# 48

Delta R.T. -0.00 min

Lab File: VF062647.D

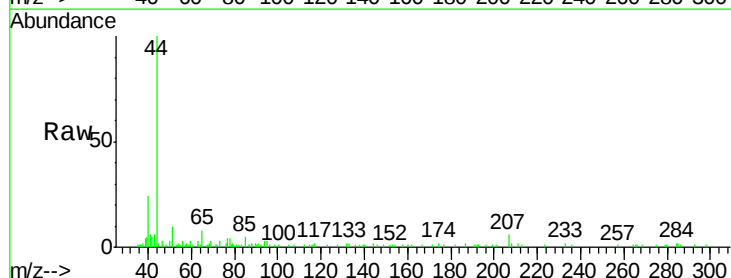
Acq: 17 May 2019 19:19

Tgt Ion: 85 Resp: 1339

Ion Ratio Lower Upper

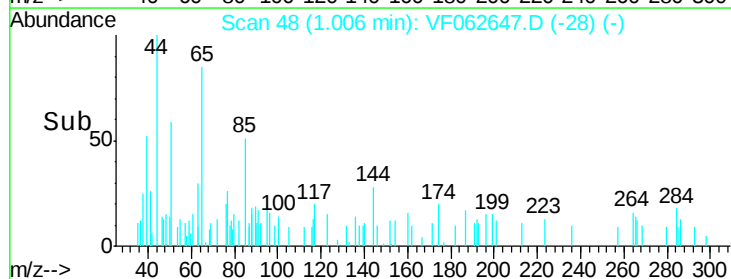
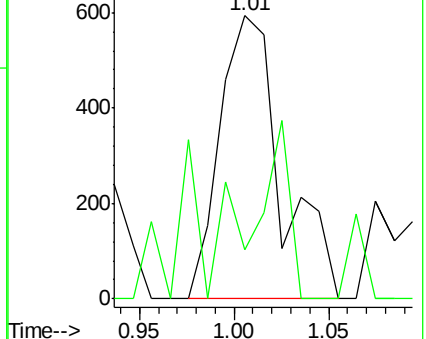
85 100

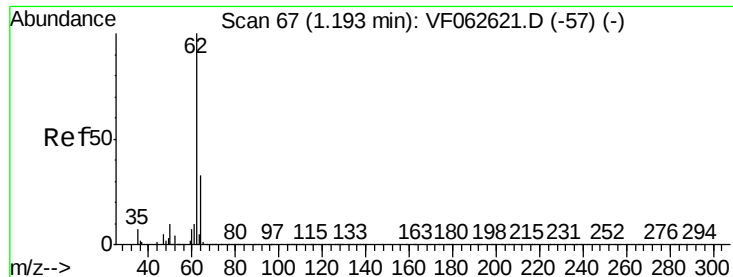
87 52.3 16.8 50.3#



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#4

Vinyl Chloride

Concen: 1.079 ug/l

RT: 1.20 min Scan# 68

Delta R.T. 0.01 min

Lab File: VF062647.D

Acq: 17 May 2019 19:19

Instrument :

MSVOA_F

ClientSampleId :

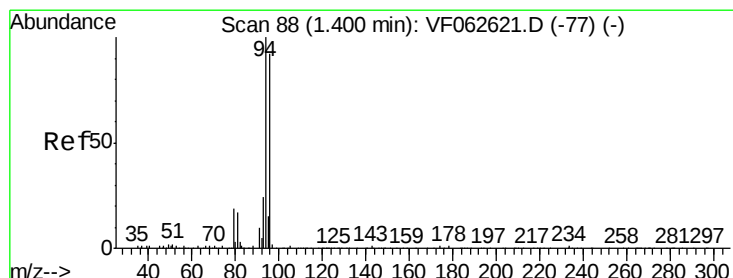
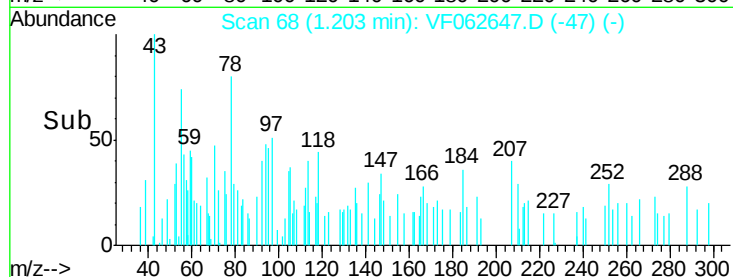
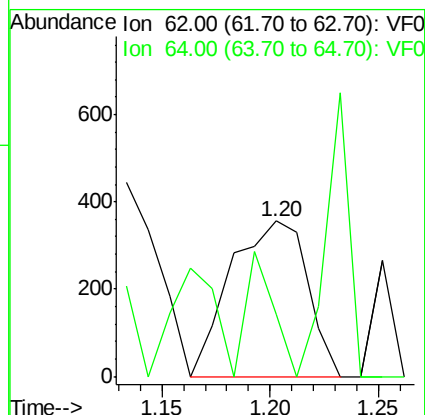
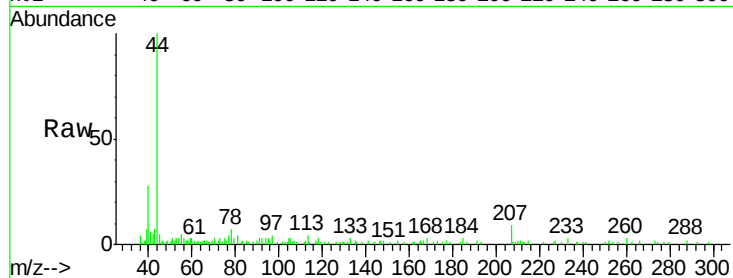
SB-08-5-6

Tot Ion: 62 Resp: 883

Ion Ratio Lower Upper

62 100

64 39.6 26.7 40.1



#5

Bromomethane

Concen: 1.935 ug/l

RT: 1.38 min Scan# 86

Delta R.T. -0.02 min

Lab File: VF062647.D

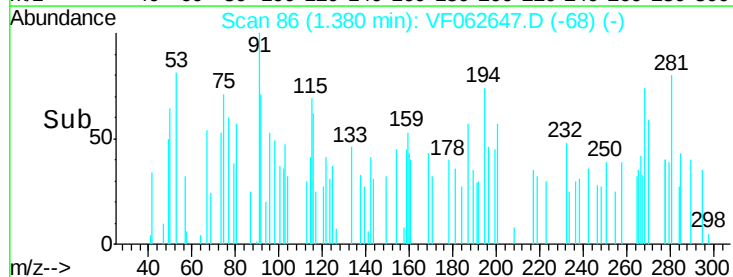
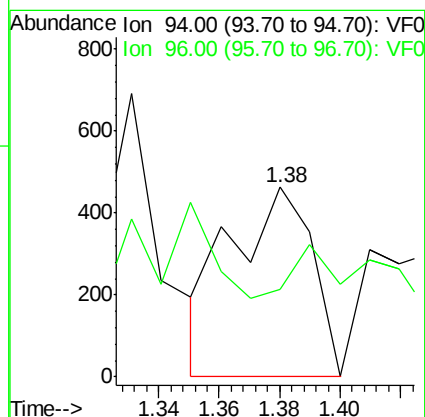
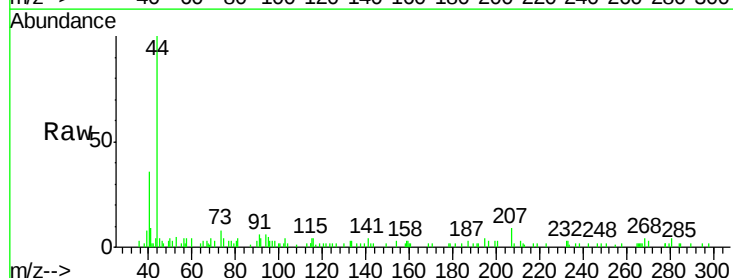
Acq: 17 May 2019 19:19

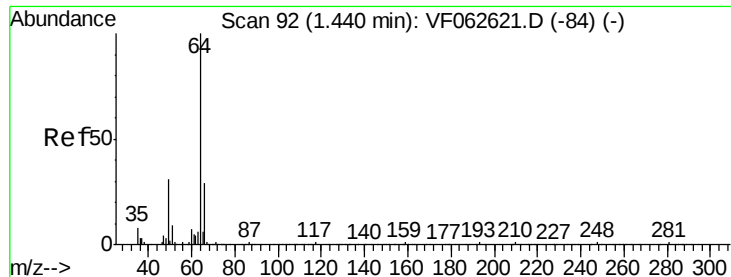
Tgt Ion: 94 Resp: 866

Ion Ratio Lower Upper

94 100

96 46.1 73.2 109.8#





#6

Chloroethane

Concen: 2.076 ug/l

RT: 1.33 min Scan# 81

Delta R.T. -0.11 min

Lab File: VF062647.D

Acq: 17 May 2019 19:19

Instrument :

MSVOA_F

ClientSampleId :

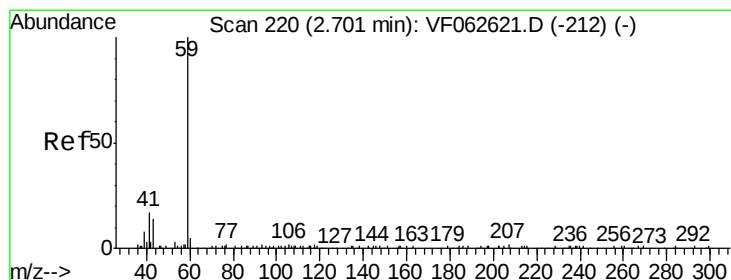
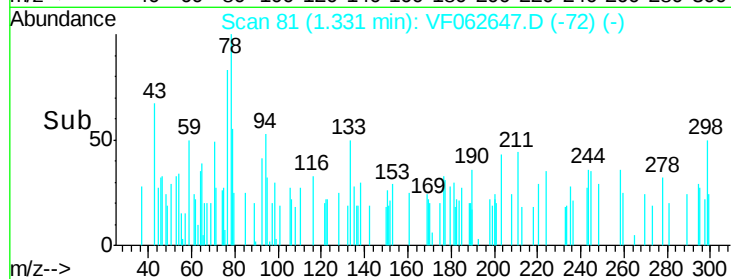
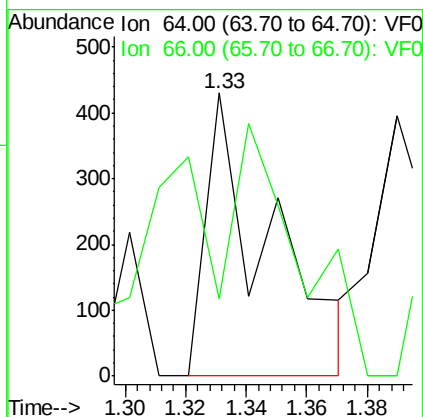
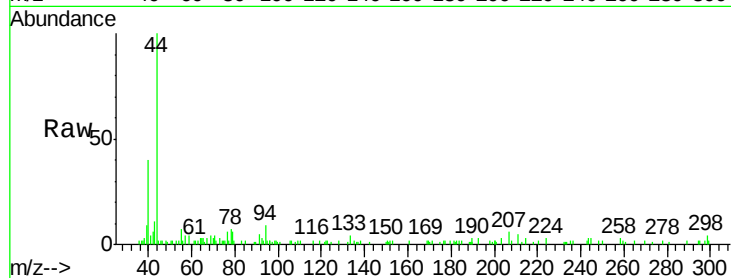
SB-08-5-6

Tot Ion: 64 Resp: 624

Ion Ratio Lower Upper

64 100

66 27.4 23.4 35.2



#11

Tert butyl alcohol

Concen: 7.675 ug/l

RT: 2.69 min Scan# 219

Delta R.T. -0.01 min

Lab File: VF062647.D

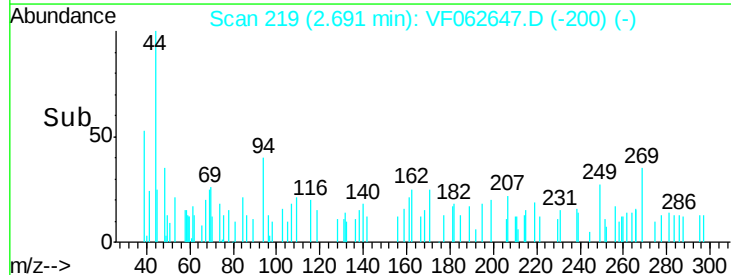
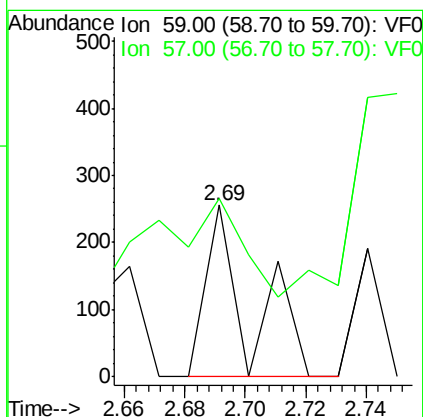
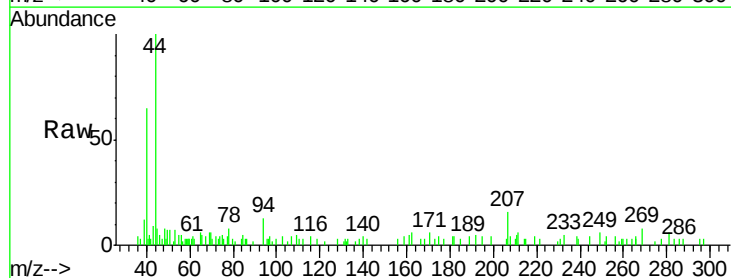
Acq: 17 May 2019 19:19

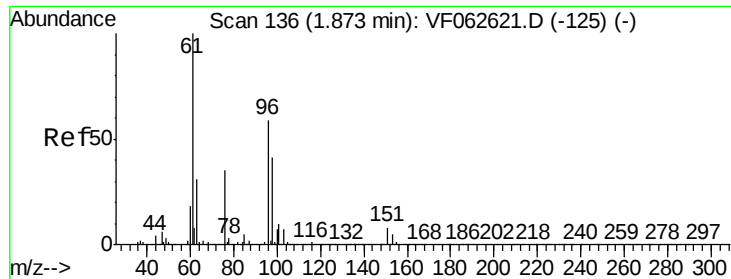
Tgt Ion: 59 Resp: 254

Ion Ratio Lower Upper

59 100

57 103.5 9.3 13.9#





#12

1,1-Dichloroethene

Concen: 1.244 ug/l

RT: 1.83 min Scan# 132

Delta R.T. -0.04 min

Lab File: VF062647.D

Acq: 17 May 2019 19:19

Instrument :

MSVOA_F

ClientSampleId :

SB-08-5-6

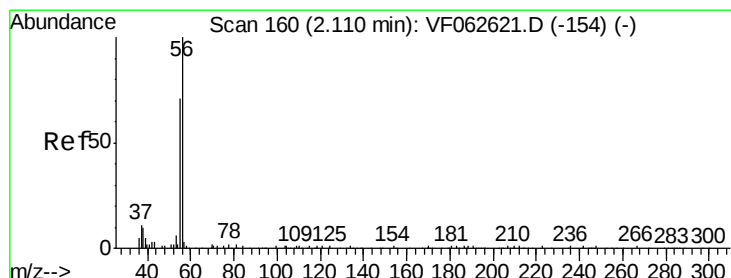
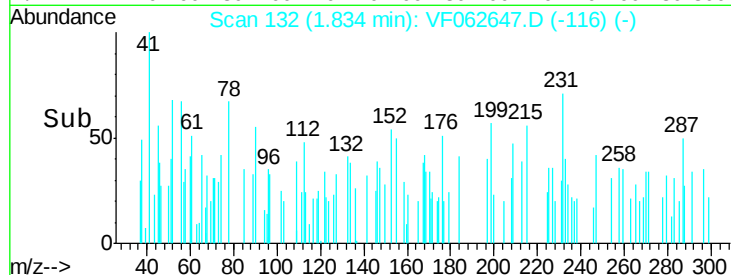
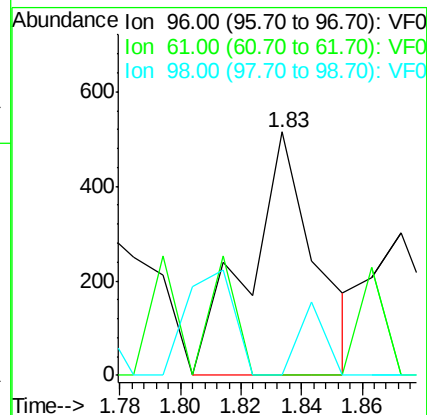
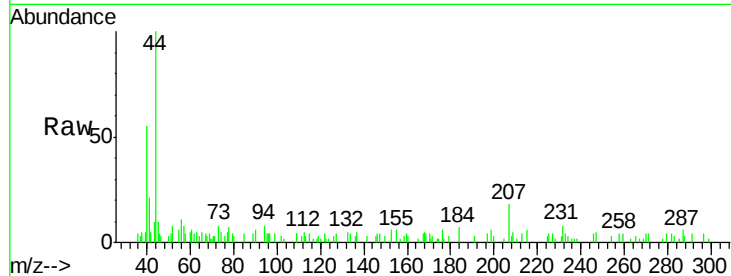
Tot Ion: 96 Resp: 793

Ion Ratio Lower Upper

96 100

61 0.0 134.3 201.5#

98 0.0 55.0 82.6#



#13

Acrolein

Concen: 23.272 ug/l

RT: 1.98 min Scan# 147

Delta R.T. -0.13 min

Lab File: VF062647.D

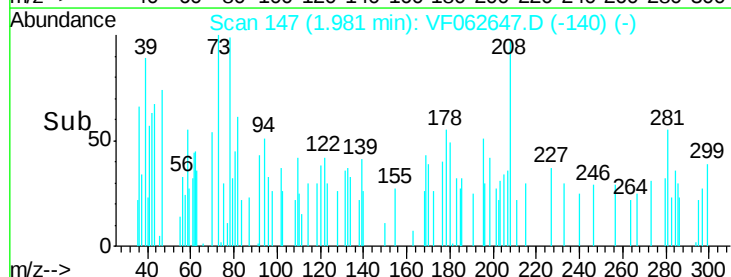
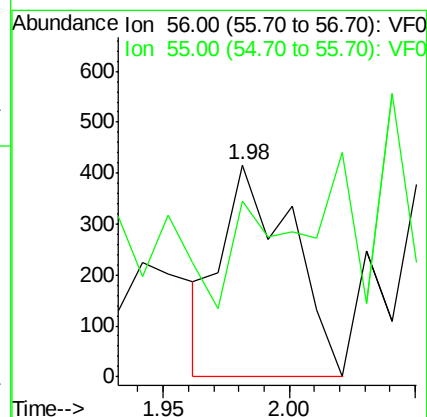
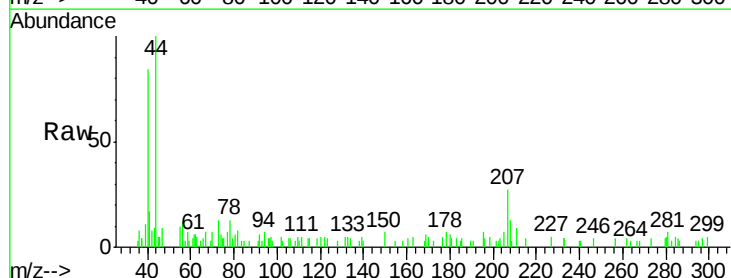
Acq: 17 May 2019 19:19

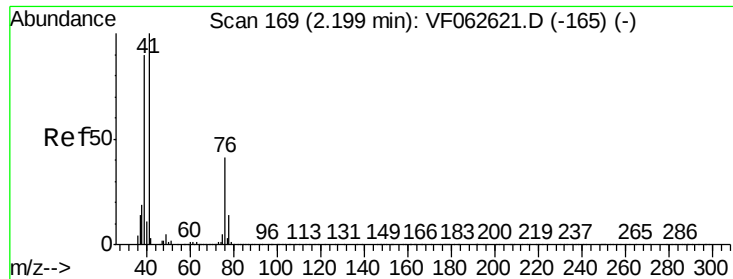
Tgt Ion: 56 Resp: 804

Ion Ratio Lower Upper

56 100

55 82.7 59.4 89.0





#14

Allvl chloride

Concen: 3.315 ug/l

RT: 2.17 min Scan# 166

Delta R.T. -0.03 min

Lab File: VF062647.D

Acq: 17 May 2019 19:19

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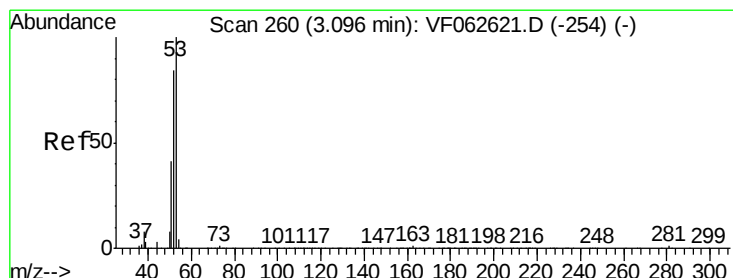
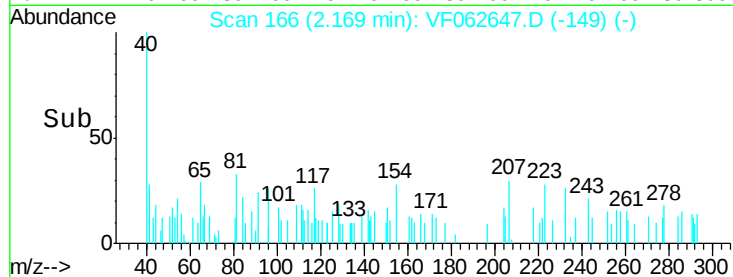
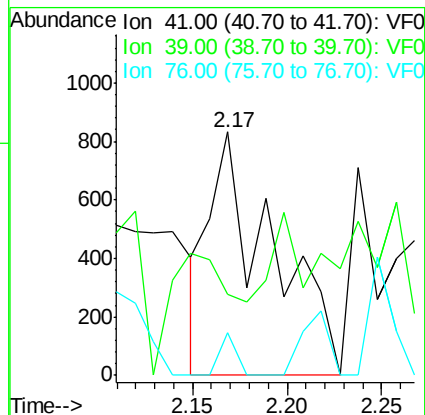
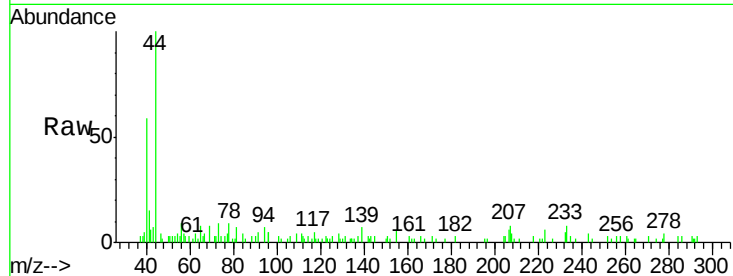
Tot Ion: 41 Resp: 1912

Ion Ratio Lower Upper

41 100

39 33.3 72.0 108.0#

76 17.8 34.8 52.2#



#15

Acrylonitrile

Concen: 8.965 ug/l

RT: 3.20 min Scan# 271

Delta R.T. 0.11 min

Lab File: VF062647.D

Acq: 17 May 2019 19:19

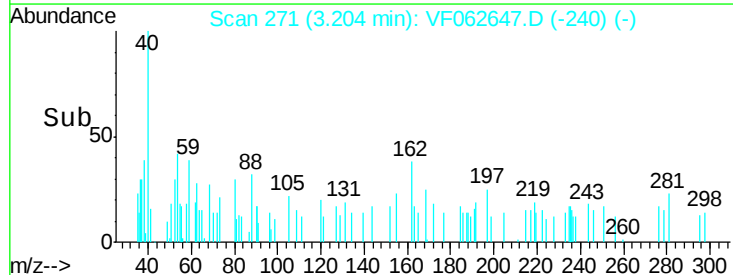
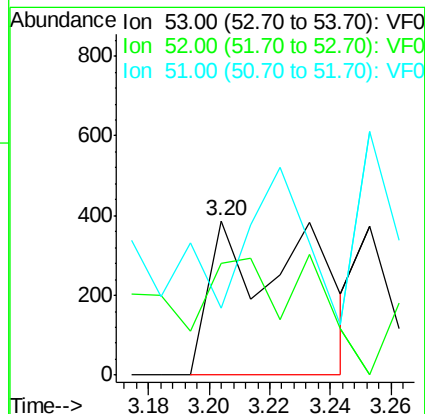
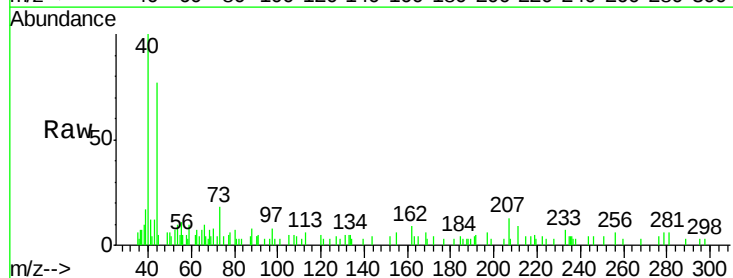
Tgt Ion: 53 Resp: 837

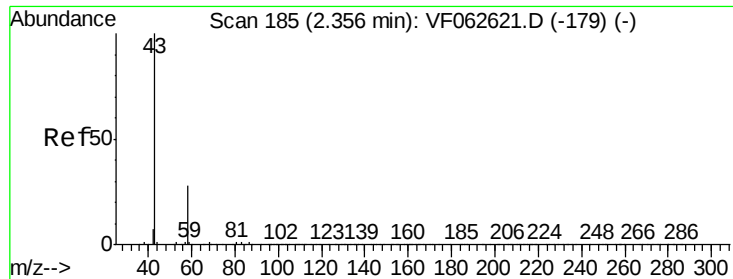
Ion Ratio Lower Upper

53 100

52 71.9 67.3 100.9

51 43.6 33.0 49.6

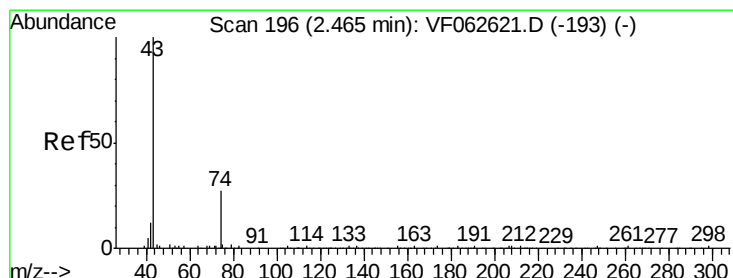
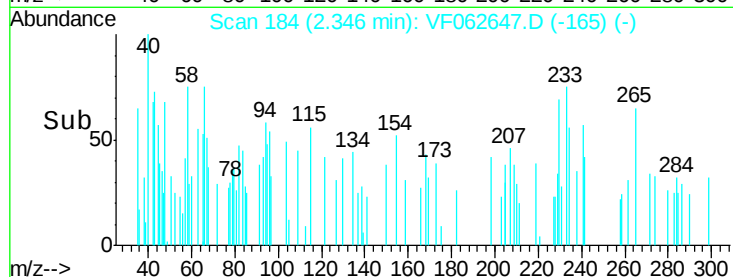
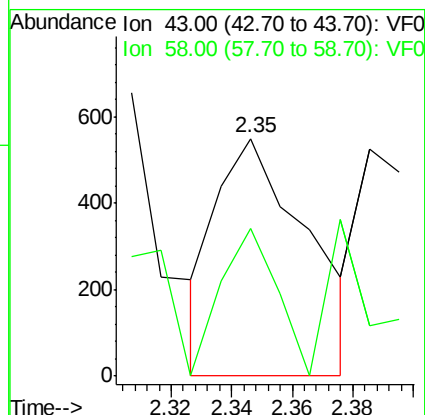
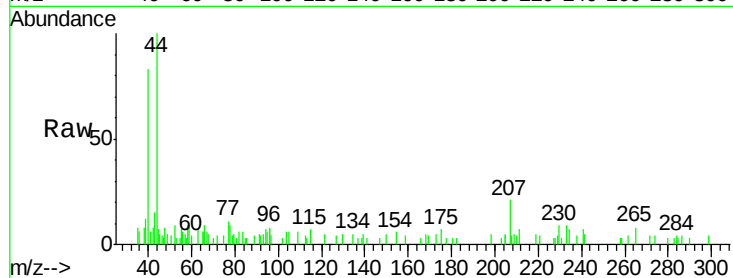




#16
Acetone
Concen: 8.873 ug/l
RT: 2.35 min Scan# 184
Delta R.T. -0.01 min
Lab File: VF062647.D
Acq: 17 May 2019 19:19

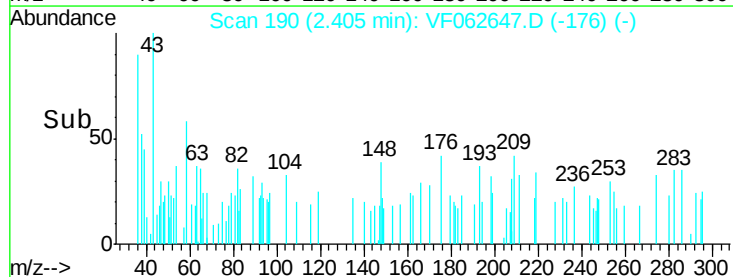
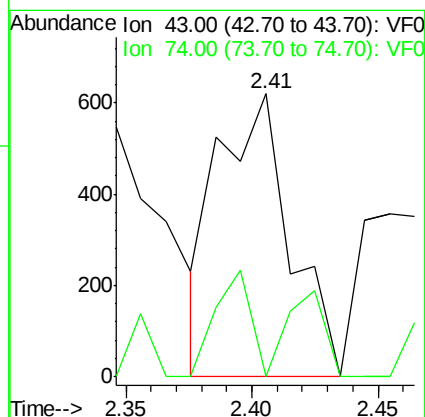
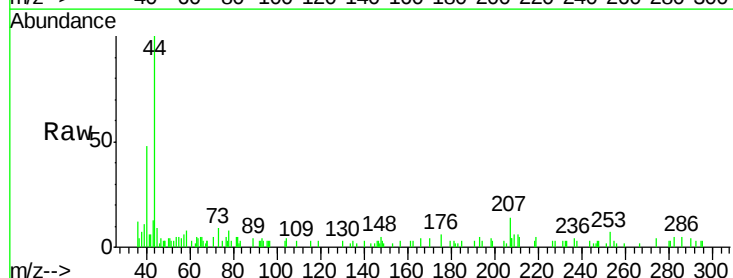
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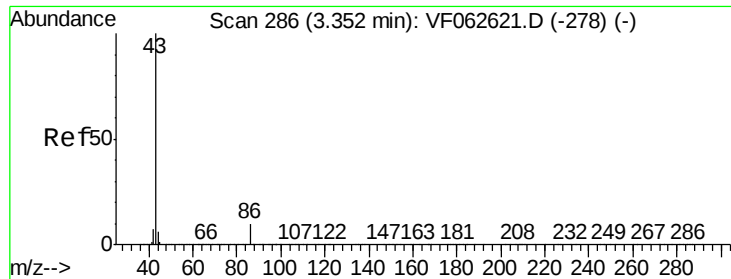
Tot Ion: 43 Resp: 1154
Ion Ratio Lower Upper
43 100
58 62.1 22.6 33.8#



#18
Methyl Acetate
Concen: 6.033 ug/l
RT: 2.41 min Scan# 190
Delta R.T. -0.06 min
Lab File: VF062647.D
Acq: 17 May 2019 19:19

Tgt Ion: 43 Resp: 1233
Ion Ratio Lower Upper
43 100
74 0.0 18.9 28.3#





#23

Vinyl Acetate

Concen: 1.452 ug/l

RT: 3.35 min Scan# 286

Delta R.T. -0.00 min

Lab File: VF062647.D

Acq: 17 May 2019 19:19

Instrument :

MSVOA_F

ClientSampleId :

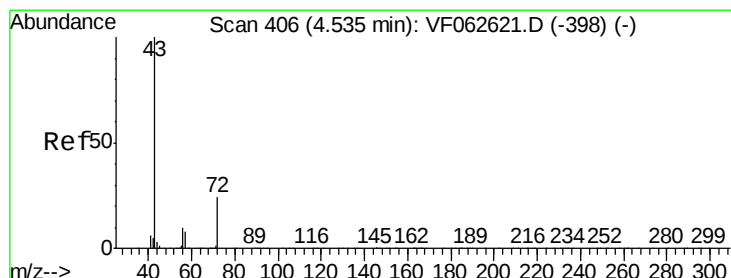
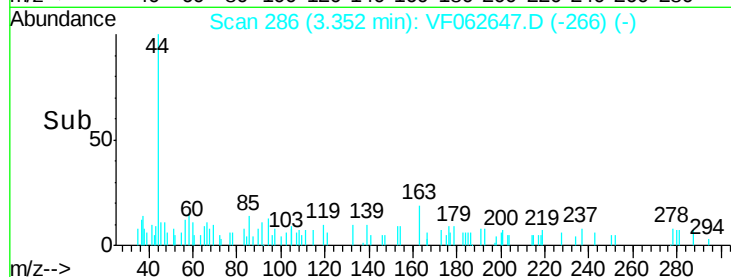
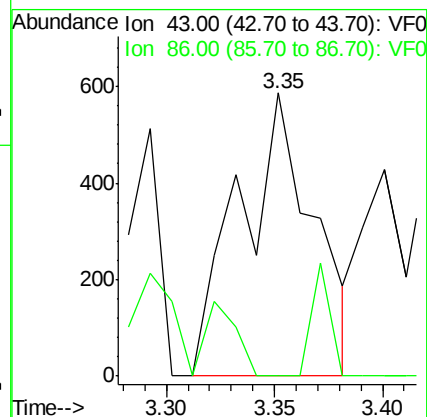
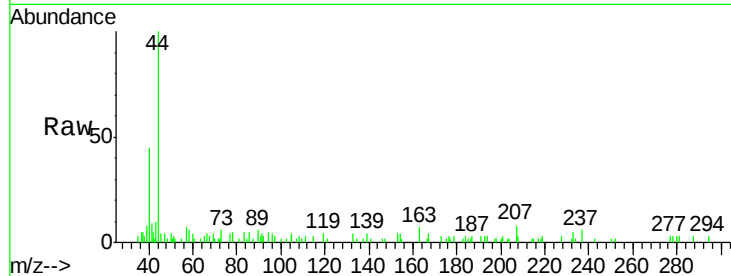
SB-08-5-6

Tot Ion: 43 Resp: 1393

Ion Ratio Lower Upper

43 100

86 0.0 8.2 12.2#



#25

2-Butanone

Concen: 1.242 ug/l

RT: 4.50 min Scan# 403

Delta R.T. -0.03 min

Lab File: VF062647.D

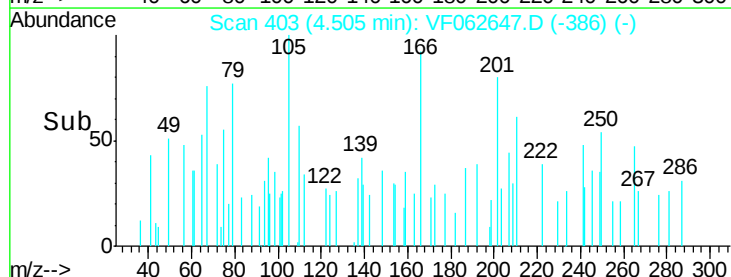
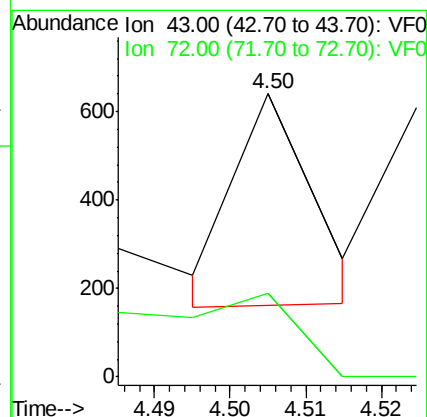
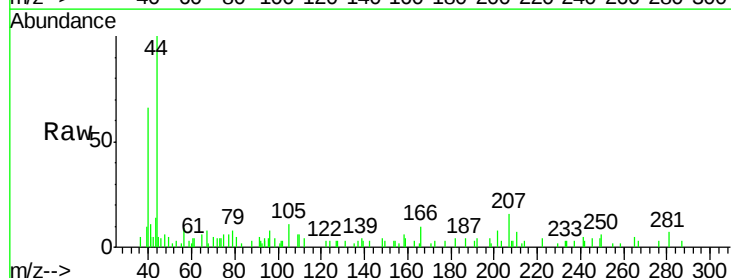
Acq: 17 May 2019 19:19

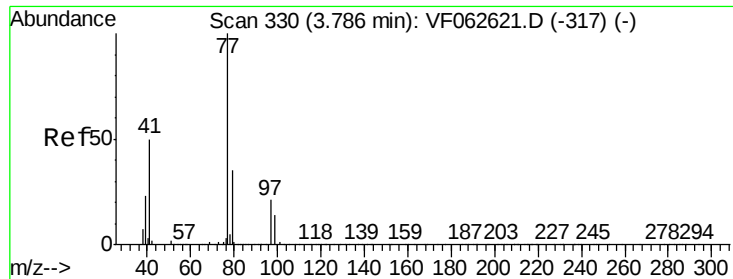
Tgt Ion: 43 Resp: 345

Ion Ratio Lower Upper

43 100

72 29.4 20.1 30.1





#26

2,2-Dichloropropane

Concen: 1.795 ug/l

RT: 3.81 min Scan# 333

Delta R.T. 0.03 min

Lab File: VF062647.D

Acq: 17 May 2019 19:19

Instrument :

MSVOA_F

ClientSampleId :

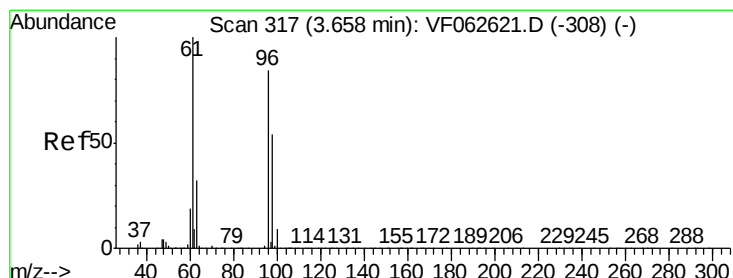
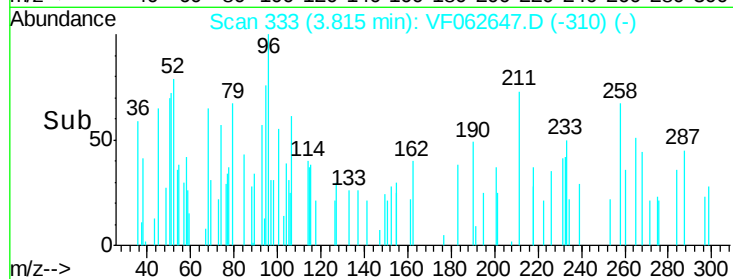
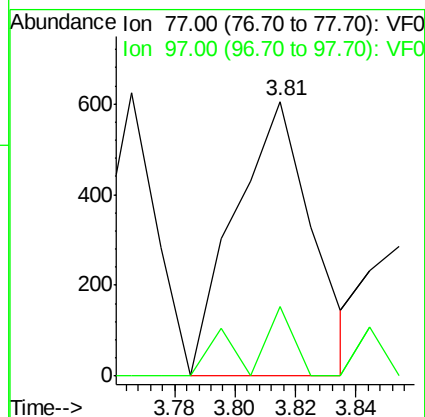
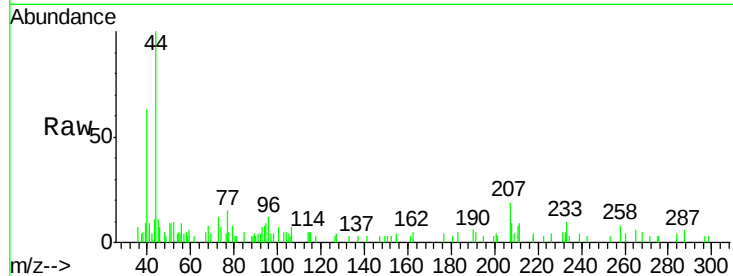
SB-08-5-6

Tot Ion: 77 Resp: 1072

Ion Ratio Lower Upper

77 100

97 25.2 14.1 42.4



#27

cis-1,2-Dichloroethene

Concen: 1.077 ug/l

RT: 3.63 min Scan# 314

Delta R.T. -0.03 min

Lab File: VF062647.D

Acq: 17 May 2019 19:19

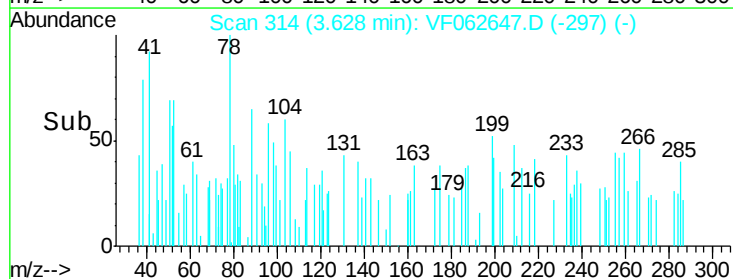
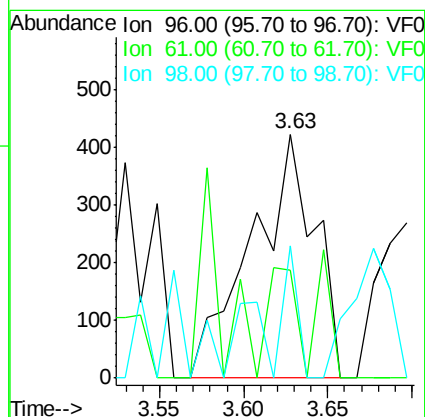
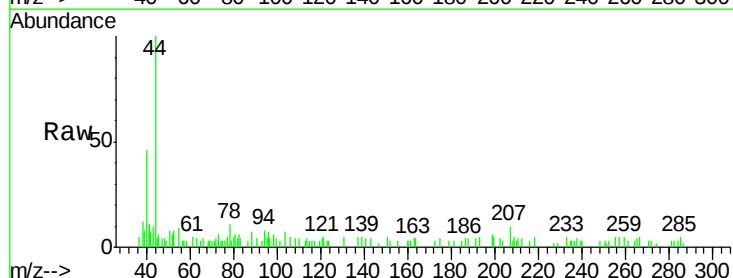
Tgt Ion: 96 Resp: 1103

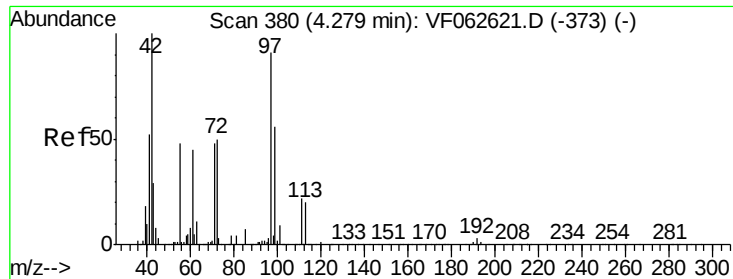
Ion Ratio Lower Upper

96 100

61 44.2 0.0 237.4

98 54.4 0.0 129.0

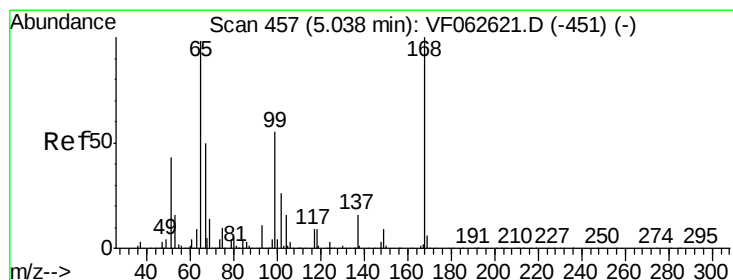
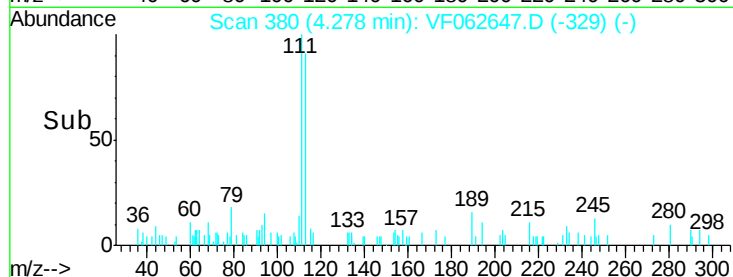
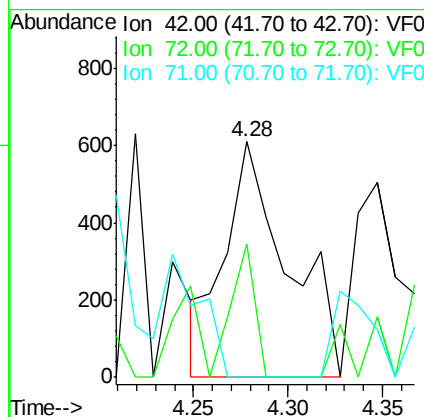
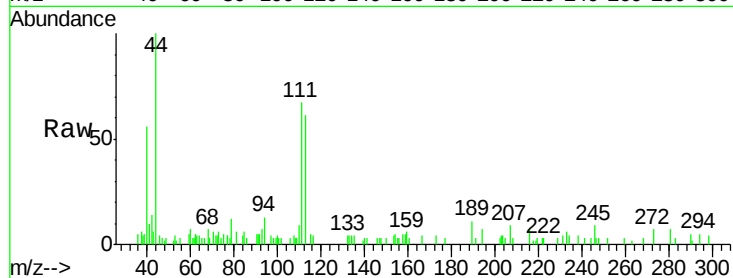




#29
Tetrahydrofuran
Concen: 12.584 ug/l
RT: 4.28 min Scan# 380
Delta R.T. -0.00 min
Lab File: VF062647.D
Acq: 17 May 2019 19:19

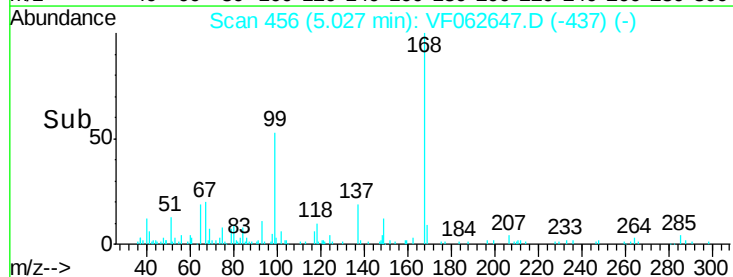
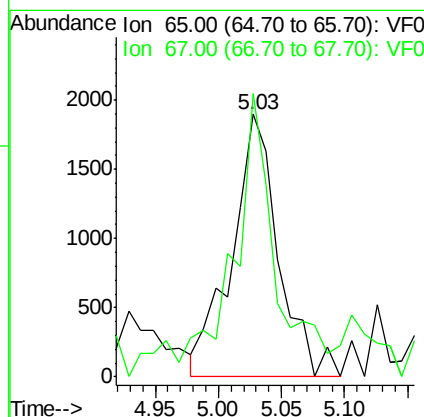
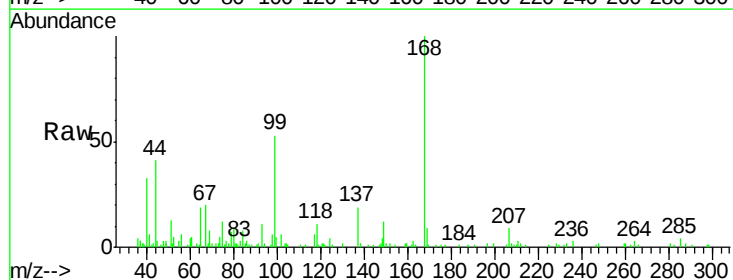
Instrument :
MSVOA_F
ClientSampleId :
SB-08-5-6

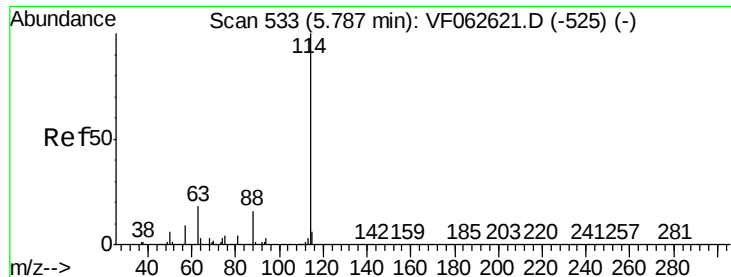
Tot Ion: 42 Resp: 1415
Ion Ratio Lower Upper
42 100
72 21.1 38.2 57.2#
71 0.0 35.8 53.6#



#33
1,2-Dichloroethane-d4
Concen: 9.703 ug/l
RT: 5.03 min Scan# 456
Delta R.T. -0.01 min
Lab File: VF062647.D
Acq: 17 May 2019 19:19

Tgt Ion: 65 Resp: 4864
Ion Ratio Lower Upper
65 100
67 107.9 0.0 117.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.77 min Scan# 531

Delta R.T. -0.02 min

Lab File: VF062647.D

Acq: 17 May 2019 19:19

Instrument :

MSVOA_F

ClientSampleId :

SB-08-5-6

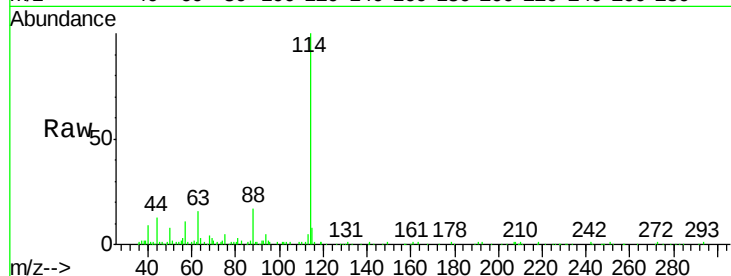
Tot Ion:114 Resp: 88195

Ion Ratio Lower Upper

114 100

63 15.8 0.0 35.4

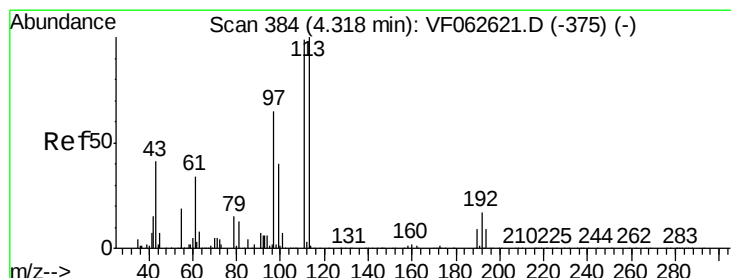
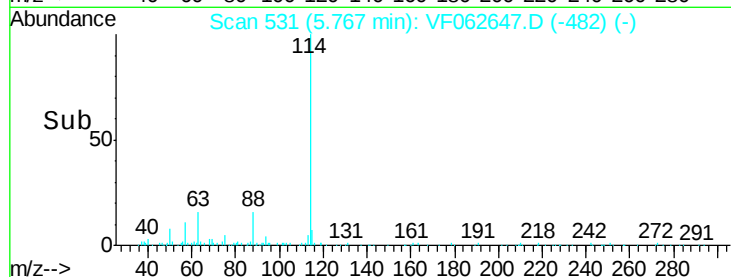
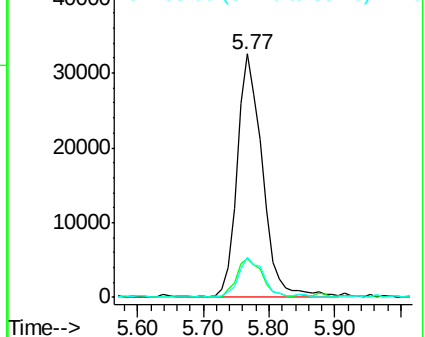
88 16.5 0.0 32.4



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0



#35

Dibromofluoromethane

Concen: 24.637 ug/l

RT: 4.31 min Scan# 383

Delta R.T. -0.01 min

Lab File: VF062647.D

Acq: 17 May 2019 19:19

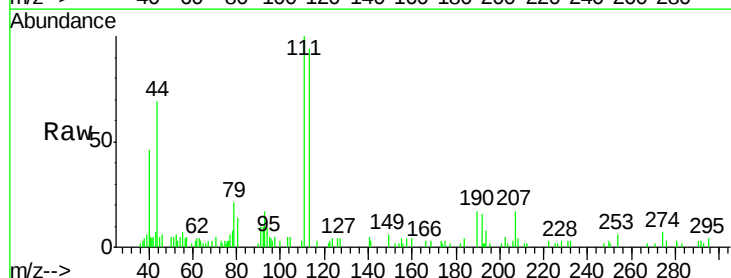
Tgt Ion:113 Resp: 16627

Ion Ratio Lower Upper

113 100

111 105.9 79.4 119.2

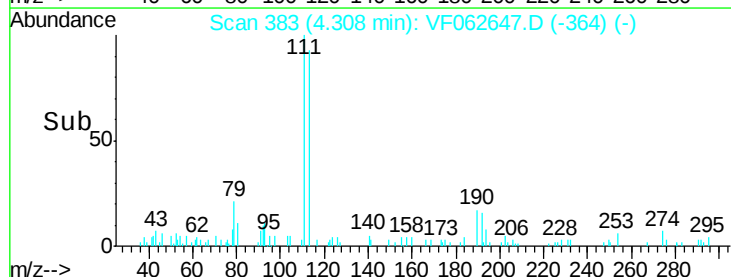
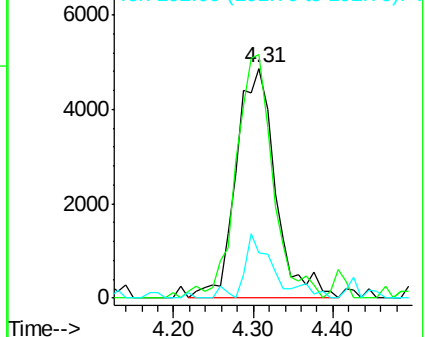
192 19.5 13.4 20.2

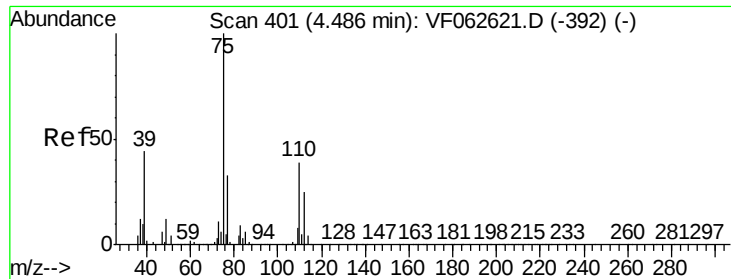


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

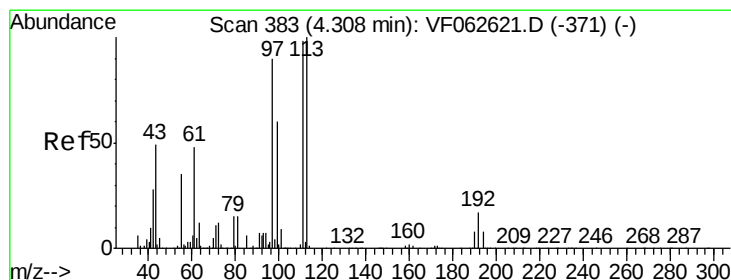
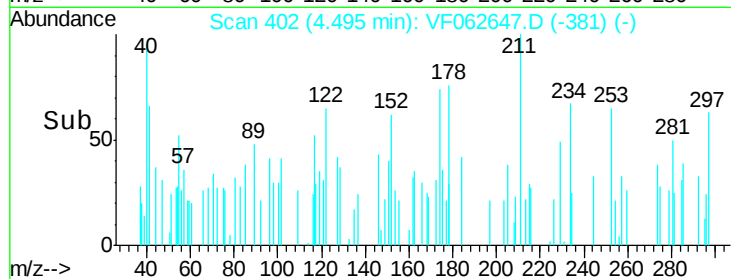
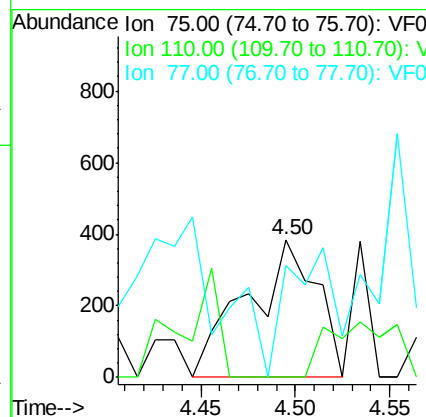
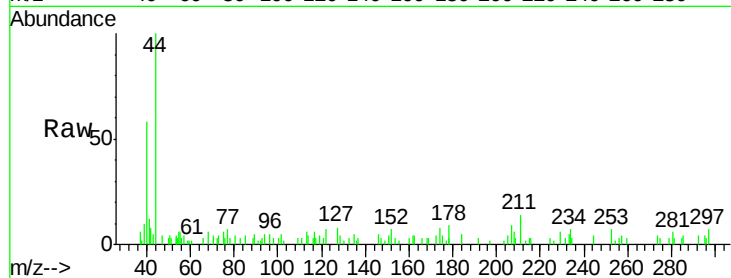




#36
 1,1-Dichloropropene
 Concen: 1.088 ug/l
 RT: 4.50 min Scan# 402
 Delta R.T. 0.01 min
 Lab File: VF062647.D
 Acq: 17 May 2019 19:19

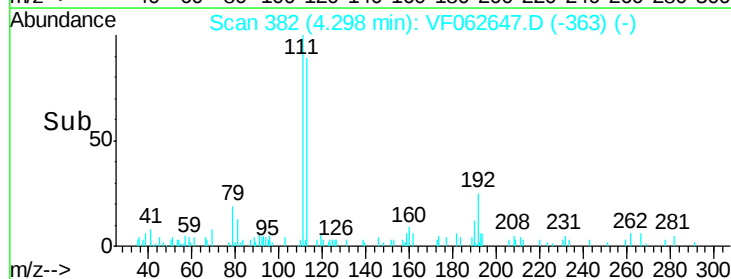
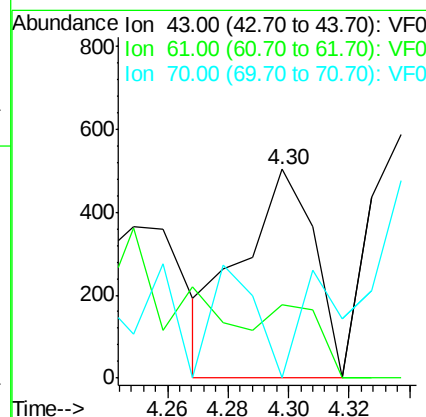
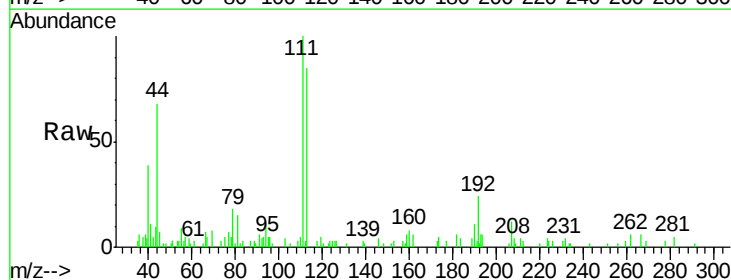
Instrument :
 MSVOA_F
 ClientSampleId :
 SB-08-5-6

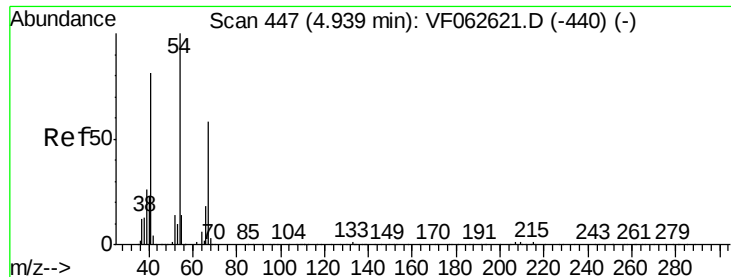
Tot Ion: 75 Resp: 983
 Ion Ratio Lower Upper
 75 100
 110 0.0 19.7 59.1#
 77 81.6 26.3 39.5#



#37
 Ethyl Acetate
 Concen: 2.282 ug/l
 RT: 4.30 min Scan# 382
 Delta R.T. -0.01 min
 Lab File: VF062647.D
 Acq: 17 May 2019 19:19

Tgt Ion: 43 Resp: 842
 Ion Ratio Lower Upper
 43 100
 61 35.1 76.9 115.3#
 70 0.0 8.8 13.2#

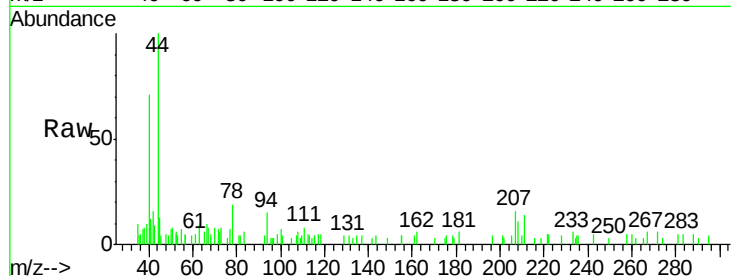




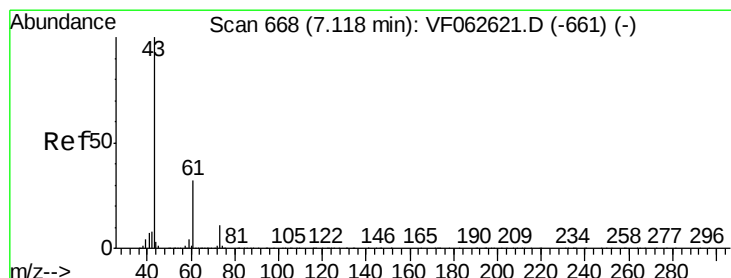
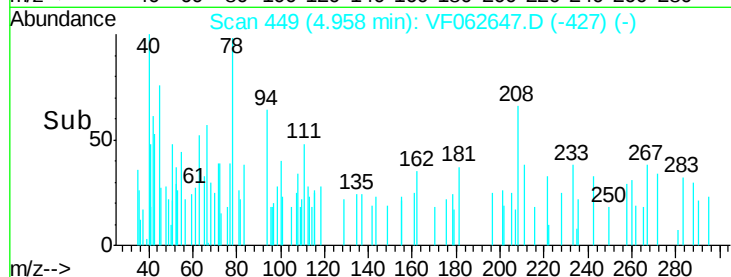
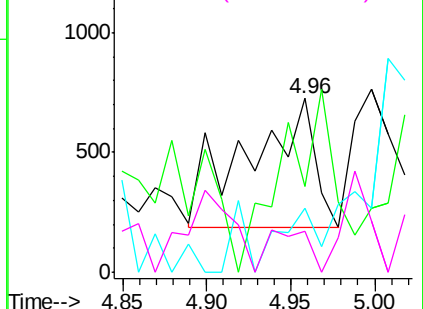
#41
Methacrylonitrile
Concen: 7.723 ug/l
RT: 4.96 min Scan# 449
Delta R.T. 0.02 min
Lab File: VF062647.D
Acq: 17 May 2019 19:19

Instrument :
MSVOA_F
ClientSampleId :
SB-08-5-6

Tot Ion:	41	Resp:	1494
Ion	Ratio	Lower	Upper
41	100		
39	49.7	42.2	63.2
67	36.8	56.4	84.6#
52	54.3	38.8	58.2

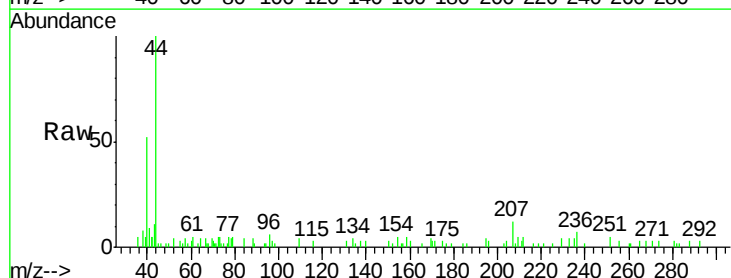


Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 39.00 (38.70 to 39.70): VF0
Ion 67.00 (66.70 to 67.70): VF0
Ion 52.00 (51.70 to 52.70): VF0

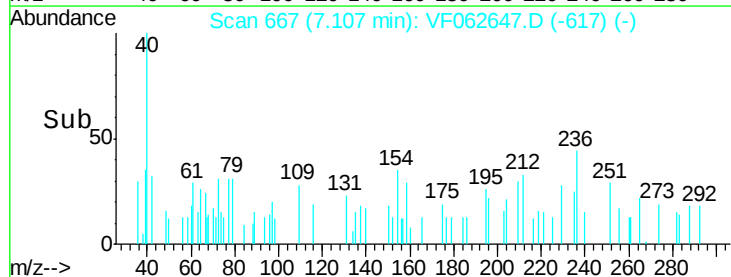
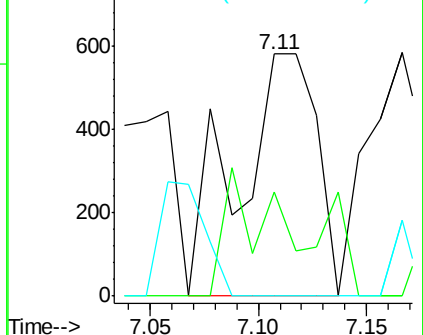


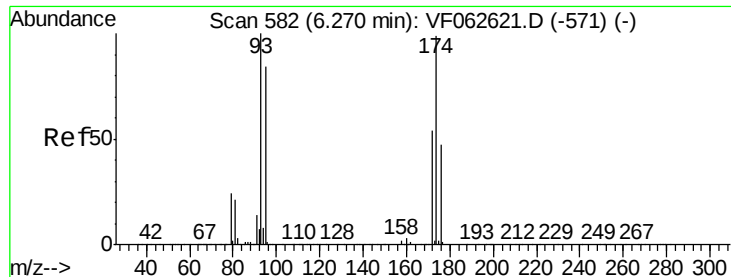
#43
Isopropyl Acetate
Concen: 3.056 ug/l
RT: 7.11 min Scan# 667
Delta R.T. -0.01 min
Lab File: VF062647.D
Acq: 17 May 2019 19:19

Tgt Ion:	43	Resp:	1461
Ion	Ratio	Lower	Upper
43	100		
61	42.9	25.8	38.8#
87	0.0	0.4	0.6#



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





#46

Dibromomethane

Concen: 1.250 ug/l

RT: 6.26 min Scan# 581

Delta R.T. -0.01 min

Lab File: VF062647.D

Acq: 17 May 2019 19:19

Instrument :

MSVOA_F

ClientSampleId :

SB-08-5-6

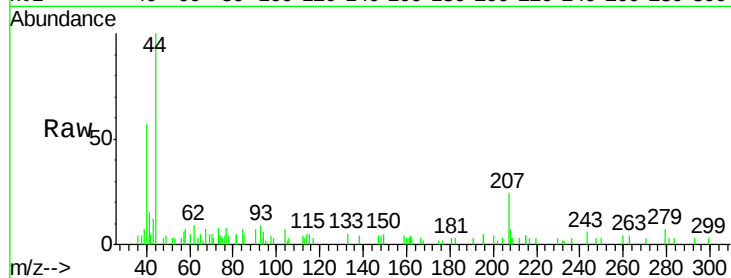
Tot Ion: 93 Resp: 449

Ion Ratio Lower Upper

93 100

95 16.3 67.4 101.2#

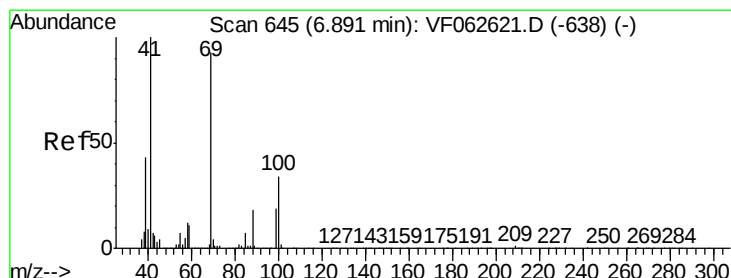
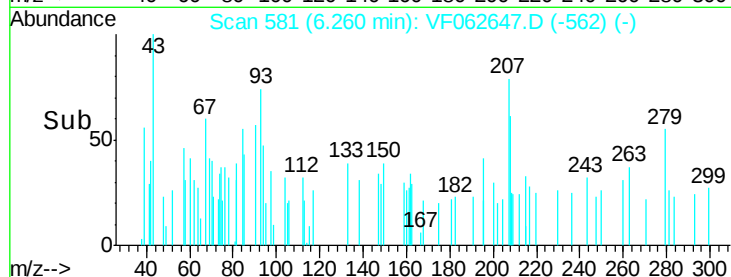
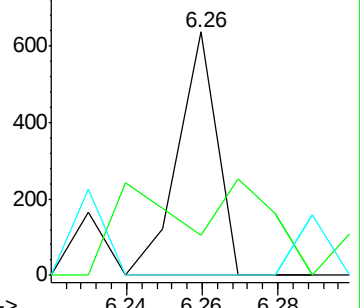
174 16.3 79.4 119.2#



Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V



#48

Methyl methacrylate

Concen: 2.165 ug/l

RT: 6.91 min Scan# 647

Delta R.T. 0.02 min

Lab File: VF062647.D

Acq: 17 May 2019 19:19

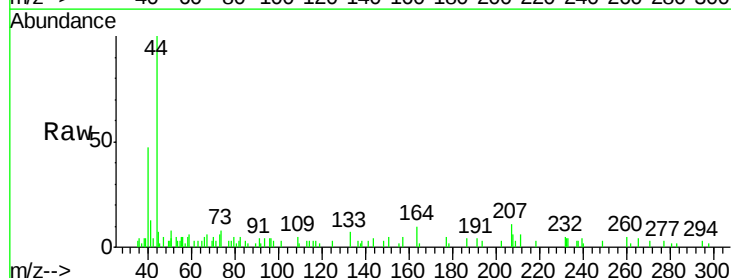
Tgt Ion: 41 Resp: 541

Ion Ratio Lower Upper

41 100

69 24.2 74.2 111.2#

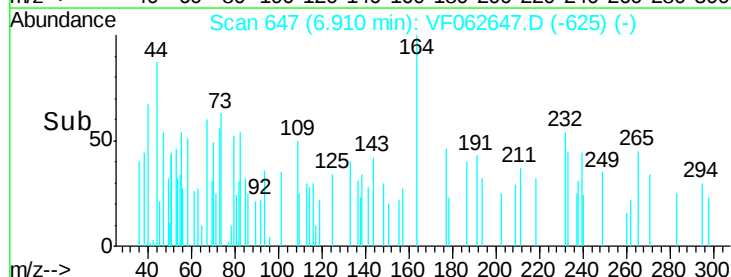
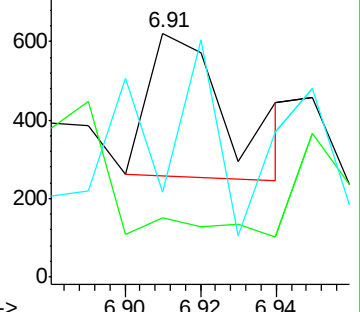
39 34.8 34.2 51.4

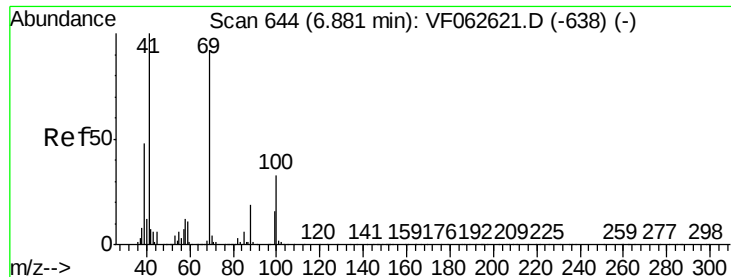


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 18.748 ug/l

RT: 6.88 min Scan# 644

Delta R.T. -0.00 min

Lab File: VF062647.D

Acq: 17 May 2019 19:19

Instrument :

MSVOA_F

ClientSampleId :

SB-08-5-6

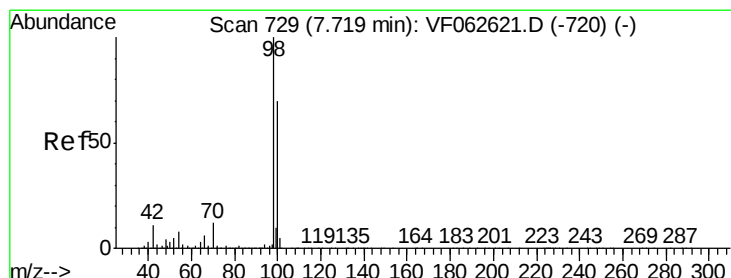
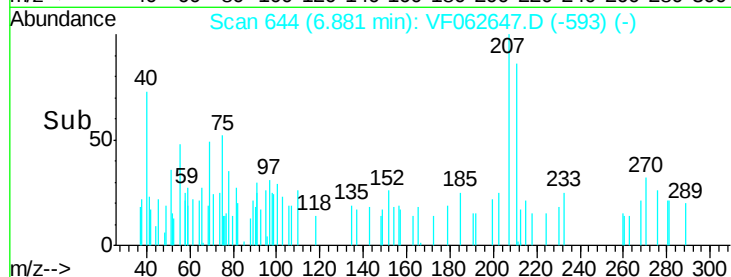
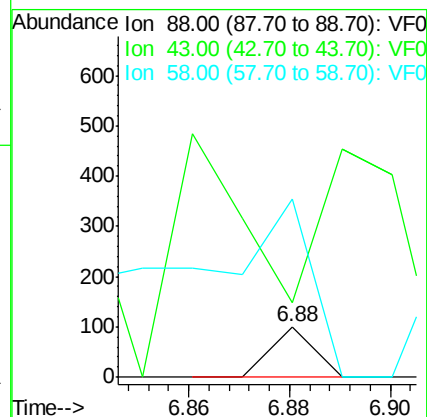
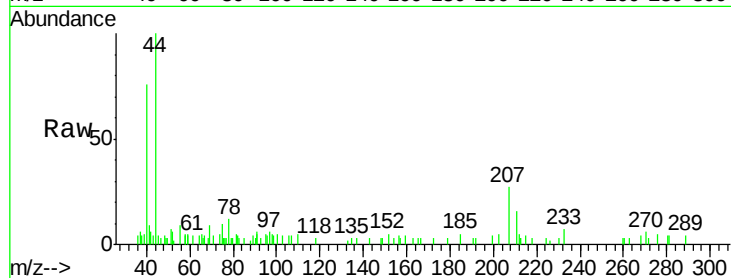
Tot Ion: 88 Resp: 60

Ion Ratio Lower Upper

88 100

43 146.5 30.0 45.0#

58 350.5 51.1 76.7#



#50

Toluene-d8

Concen: 30.405 ug/l

RT: 7.71 min Scan# 728

Delta R.T. -0.01 min

Lab File: VF062647.D

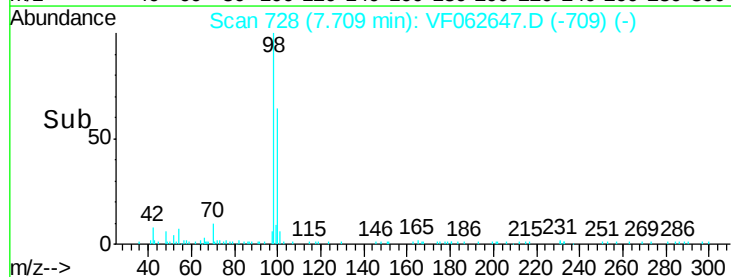
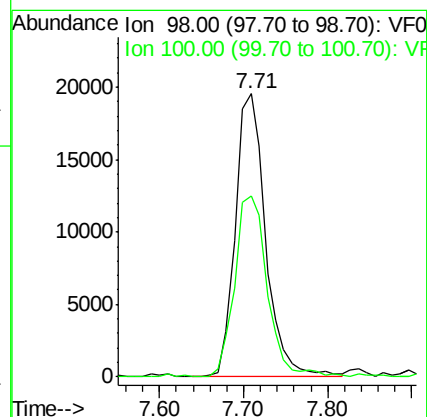
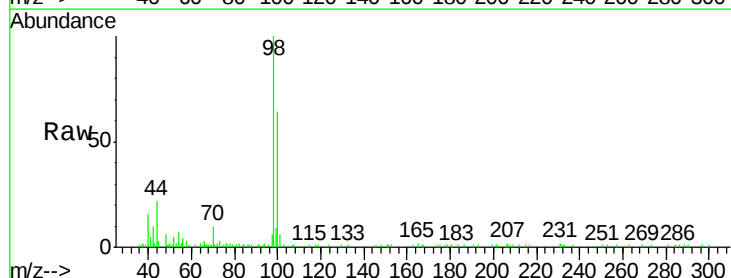
Acq: 17 May 2019 19:19

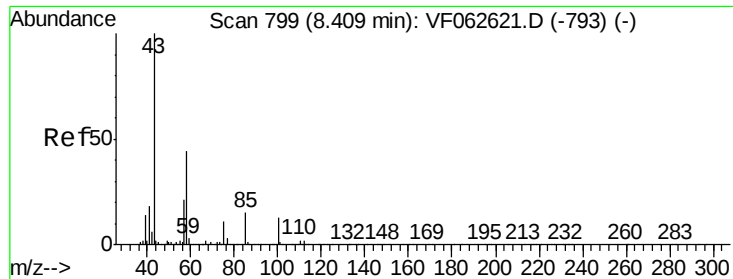
Tgt Ion: 98 Resp: 48992

Ion Ratio Lower Upper

98 100

100 63.9 56.2 84.2





#51

4-Methyl-2-Pentanone

Concen: 3.063 ug/l

RT: 8.47 min Scan# 805

Delta R.T. 0.06 min

Lab File: VF062647.D

Acq: 17 May 2019 19:19

Instrument :

MSVOA_F

ClientSampleId :

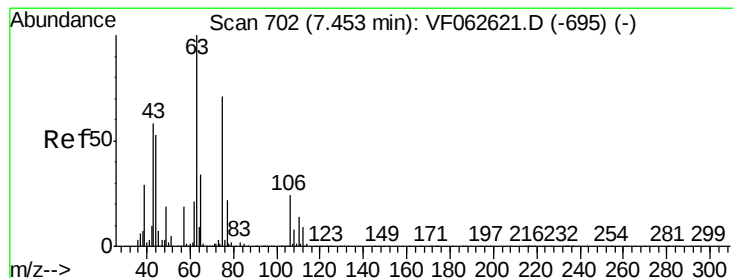
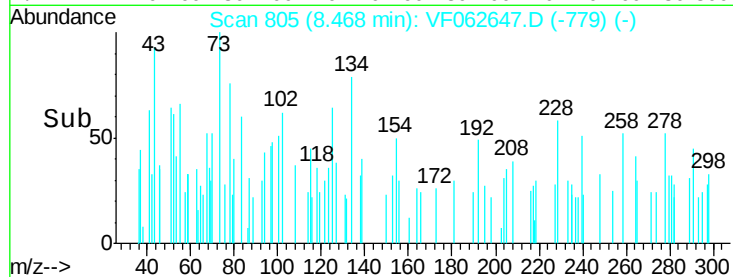
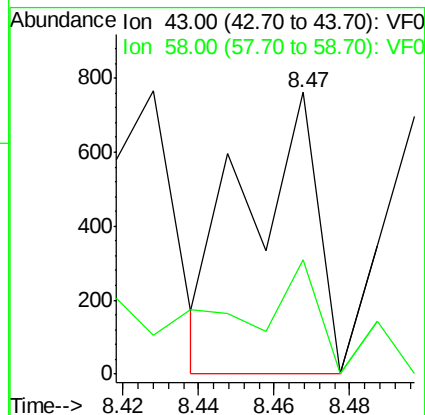
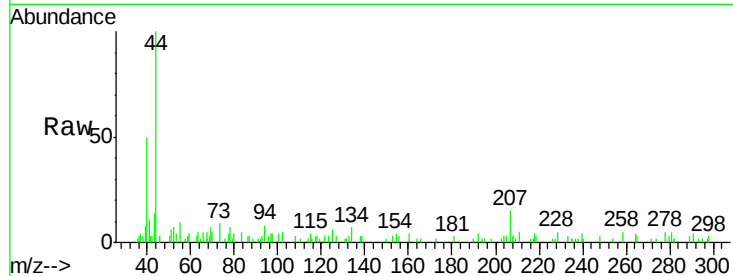
SB-08-5-6

Tot Ion: 43 Resp: 1001

Ion Ratio Lower Upper

43 100

58 40.7 34.9 52.3



#58

2-Chloroethyl Vinyl ether

Concen: 1.390 ug/l

RT: 7.41 min Scan# 698

Delta R.T. -0.04 min

Lab File: VF062647.D

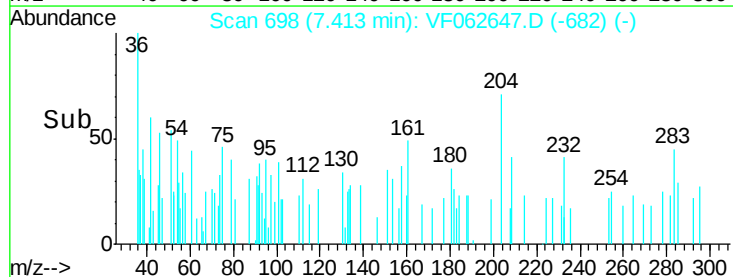
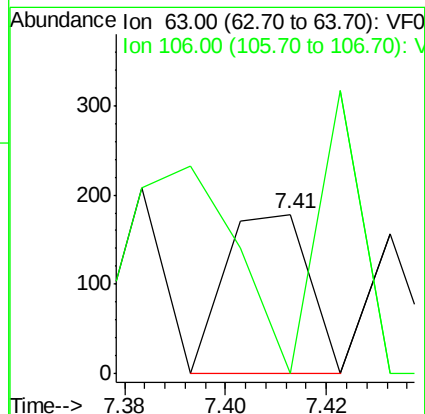
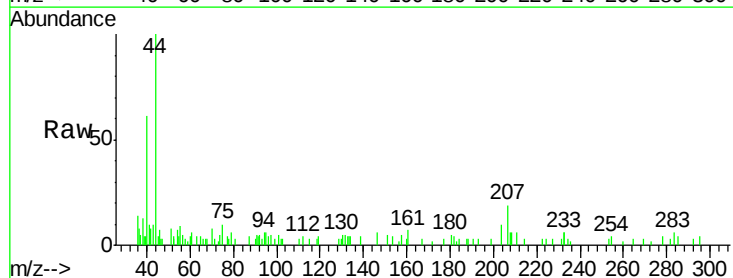
Acq: 17 May 2019 19:19

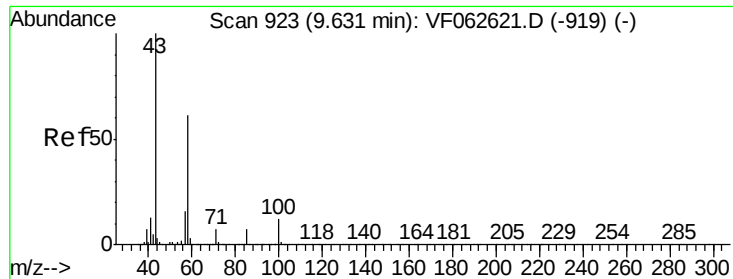
Tgt Ion: 63 Resp: 206

Ion Ratio Lower Upper

63 100

106 0.0 19.1 28.7#

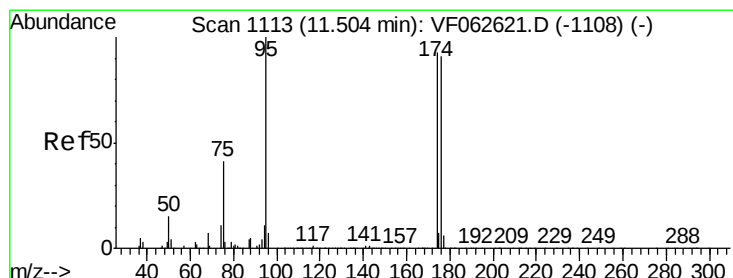
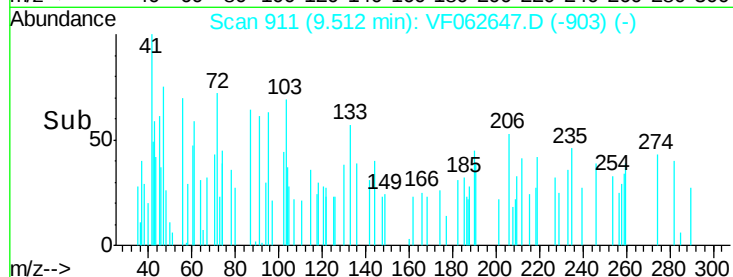
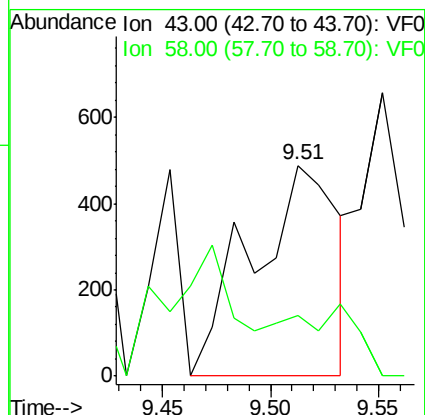
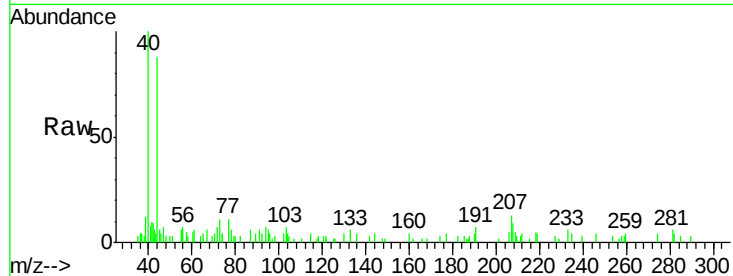




#59
2-Hexanone
Concen: Below Cal
RT: 9.51 min Scan# 911
Delta R.T. -0.12 min
Lab File: VF062647.D
Acq: 17 May 2019 19:19

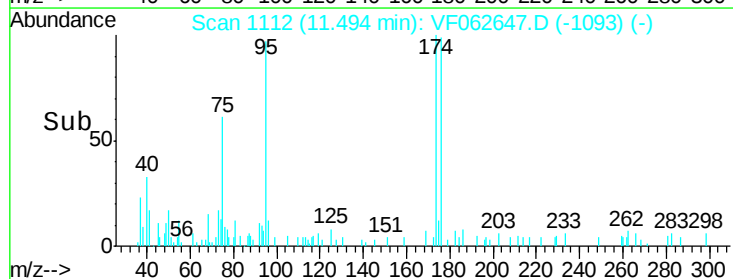
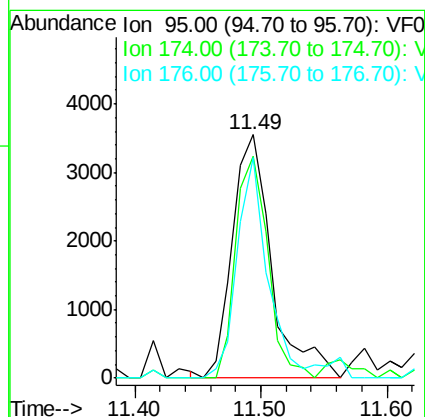
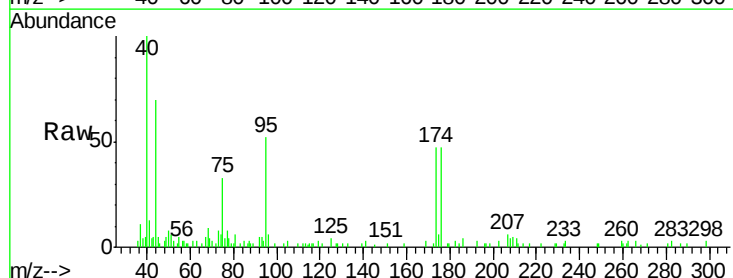
Instrument :
MSVOA_F
ClientSampled :
SB-08-5-6

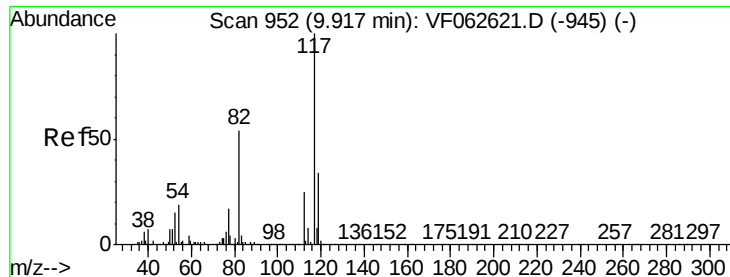
Tot Ion: 43 Resp: 1355
Ion Ratio Lower Upper
43 100
58 28.9 28.1 84.4



#62
4-Bromofluorobenzene
Concen: 12.588 ug/l
RT: 11.49 min Scan# 1112
Delta R.T. -0.01 min
Lab File: VF062647.D
Acq: 17 May 2019 19:19

Tgt Ion: 95 Resp: 7693
Ion Ratio Lower Upper
95 100
174 91.1 0.0 185.6
176 90.6 0.0 182.4

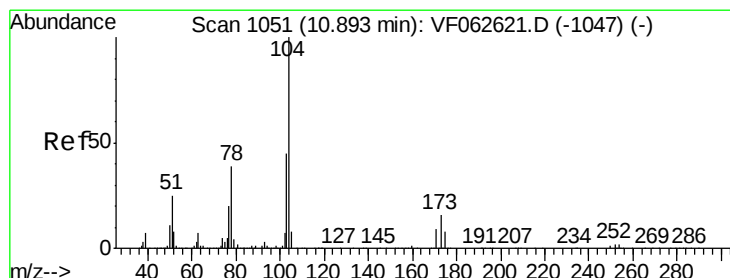
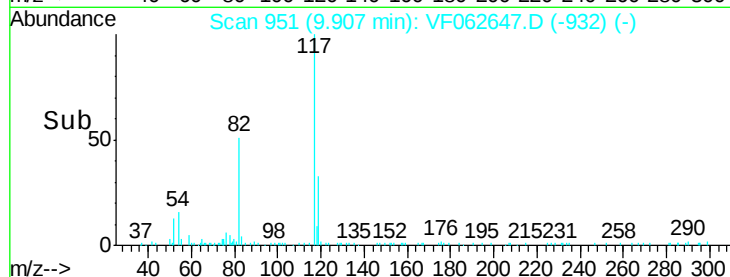
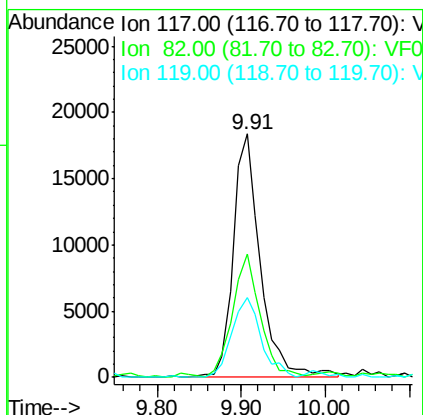
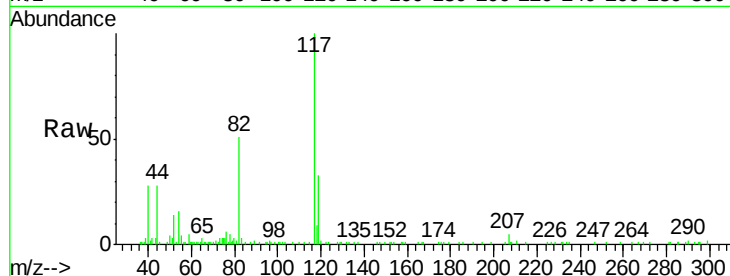




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 951
Delta R.T. -0.01 min
Lab File: VF062647.D
Acq: 17 May 2019 19:19

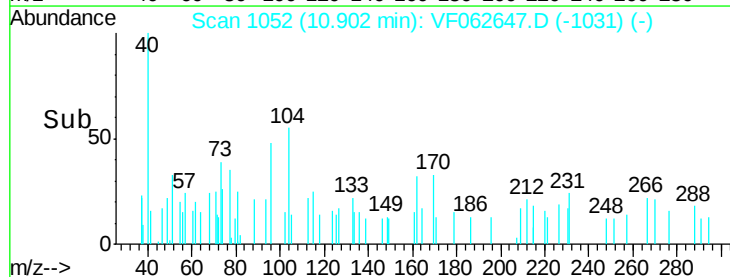
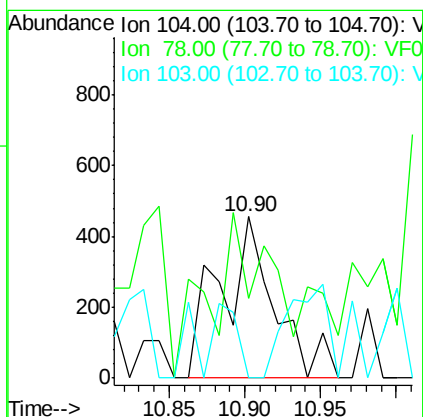
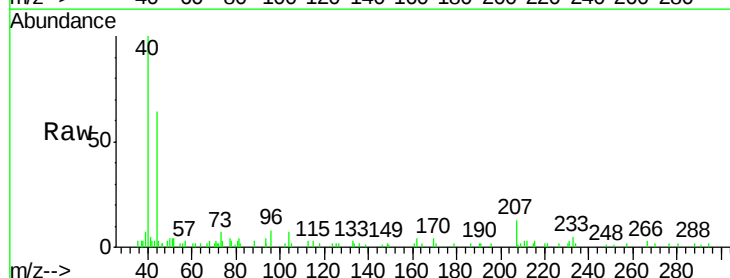
Instrument :
MSVOA_F
ClientSampleId :
SB-08-5-6

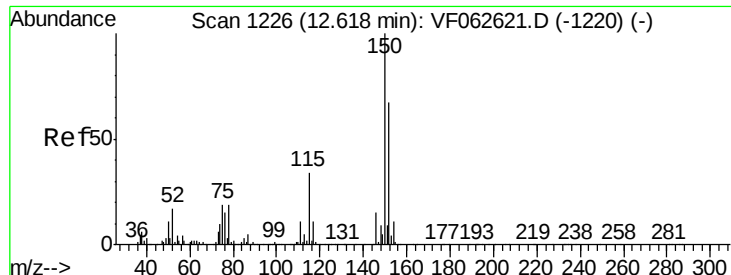
Tot Ion	Ratio	Lower	Upper
117	100		
82	50.6	43.3	64.9
119	32.8	27.4	41.0



#70
Styrene
Concen: 1.368 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. 0.01 min
Lab File: VF062647.D
Acq: 17 May 2019 19:19

Tgt Ion	Ratio	Lower	Upper
104	100		
78	49.1	31.9	47.9#
103	0.0	36.1	54.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.61 min Scan# 1225

Delta R.T. -0.01 min

Lab File: VF062647.D

Acq: 17 May 2019 19:19

Instrument :

MSVOA_F

ClientSampleId :

SB-08-5-6

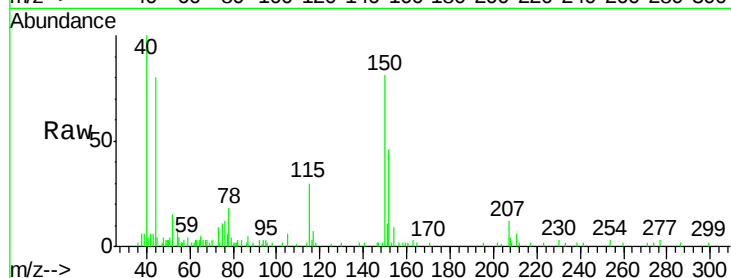
Tot Ion:152 Resp: 6540

Ion Ratio Lower Upper

152 100

115 65.8 25.2 75.6

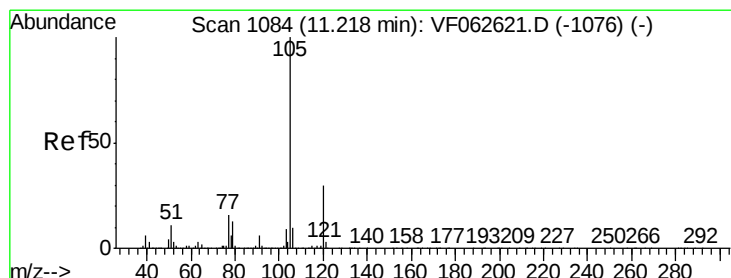
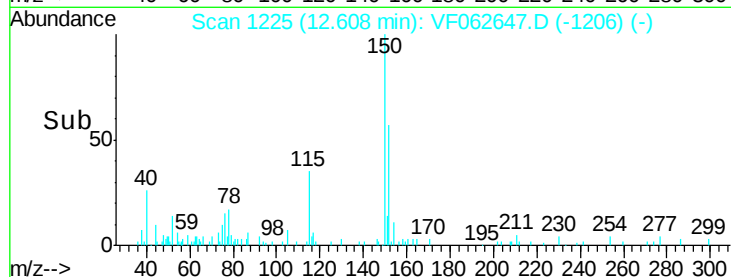
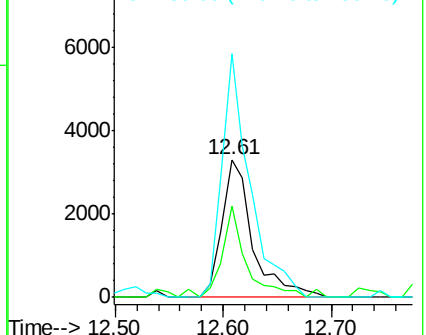
150 176.6 0.0 306.2



Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V



#73

Isopropylbenzene

Concen: 1.434 ug/l

RT: 11.21 min Scan# 1083

Delta R.T. -0.01 min

Lab File: VF062647.D

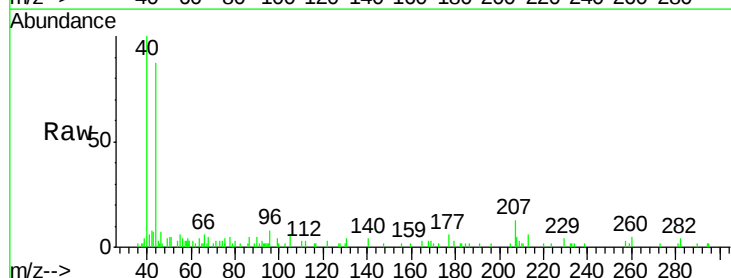
Acq: 17 May 2019 19:19

Tgt Ion:105 Resp: 672

Ion Ratio Lower Upper

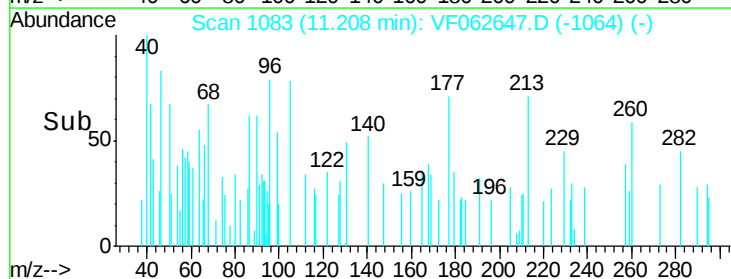
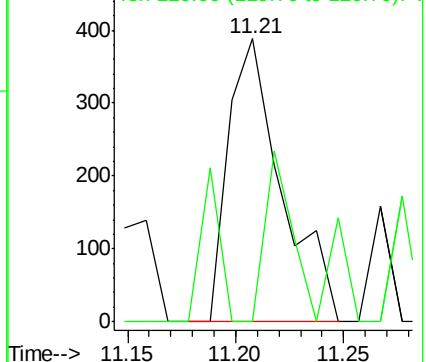
105 100

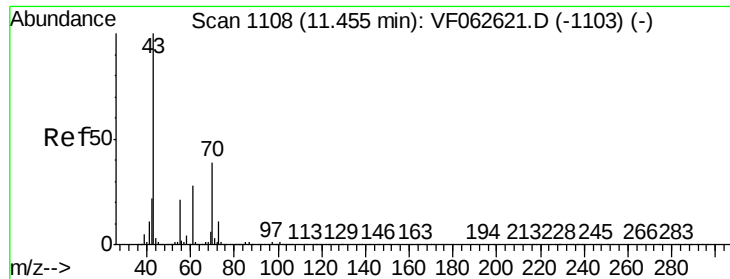
120 0.0 14.8 44.4#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 8.153 ug/l

RT: 11.44 min Scan# 1107

Delta R.T. -0.01 min

Lab File: VF062647.D

Acq: 17 May 2019 19:19

Instrument :

MSVOA_F

ClientSampleId :

SB-08-5-6

Tot Ion: 43 Resp: 1511

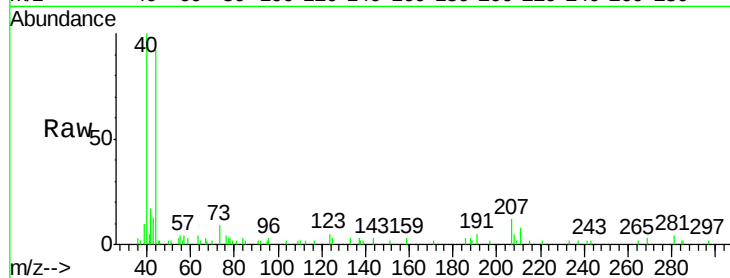
Ion Ratio Lower Upper

43 100

70 18.2 30.9 46.3#

55 31.5 17.0 25.4#

61 0.0 22.6 34.0#

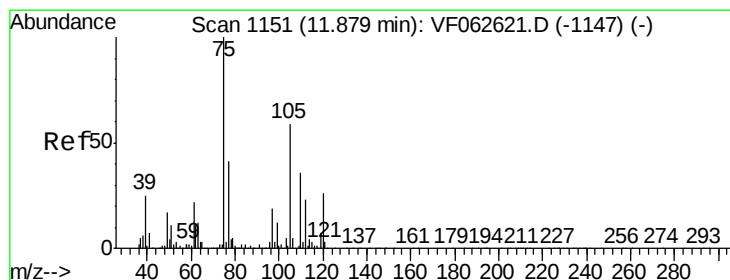
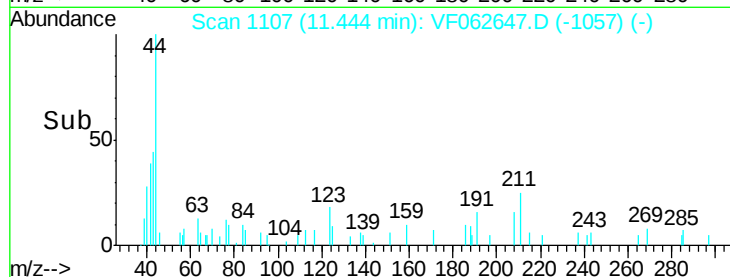
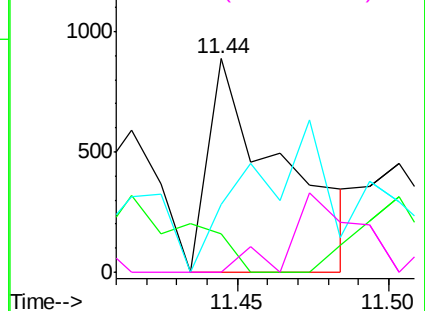


Abundance Ion 43.00 (42.70 to 43.70): VF0

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



#76

1,2,3-Trichloropropane

Concen: 7.213 ug/l

RT: 12.00 min Scan# 1163

Delta R.T. 0.12 min

Lab File: VF062647.D

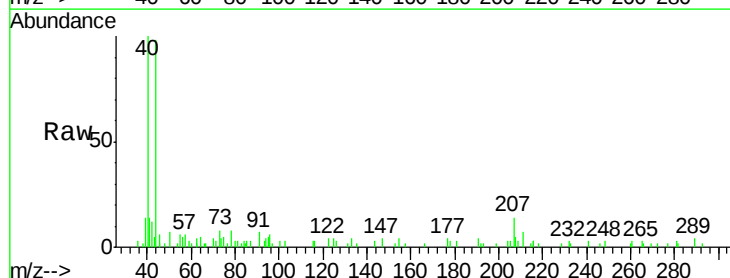
Acq: 17 May 2019 19:19

Tgt Ion: 75 Resp: 454

Ion Ratio Lower Upper

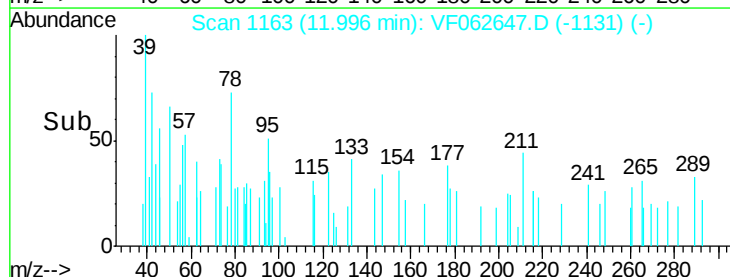
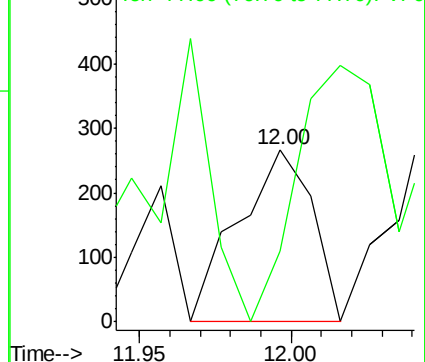
75 100

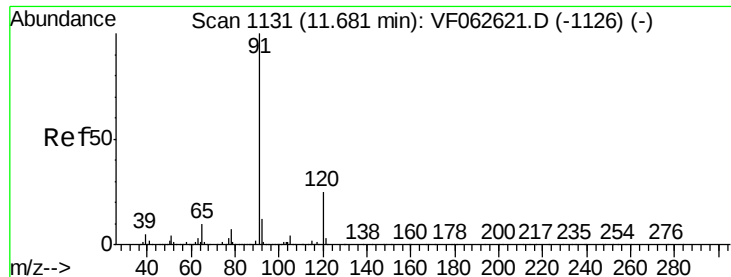
77 40.8 20.6 61.8



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#78

n-propylbenzene

Concen: 1.343 ug/l

RT: 11.67 min Scan# 1130

Delta R.T. -0.01 min

Lab File: VF062647.D

Acq: 17 May 2019 19:19

Instrument :

MSVOA_F

ClientSampleId :

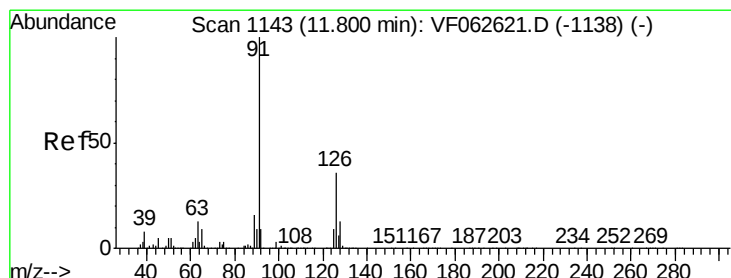
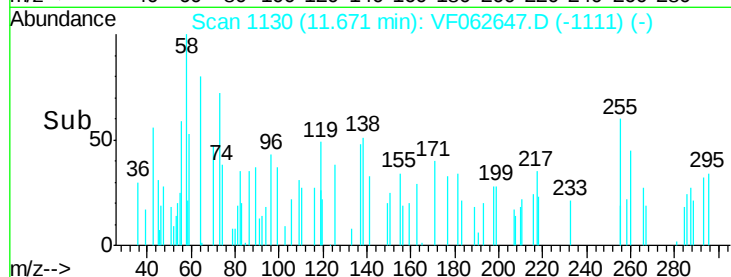
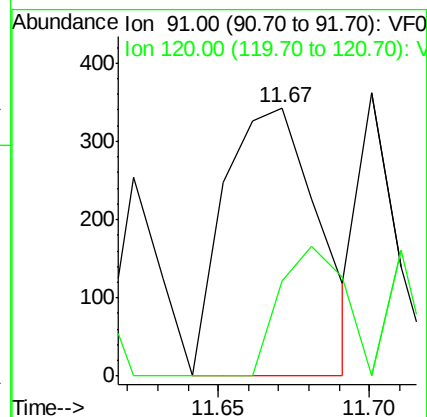
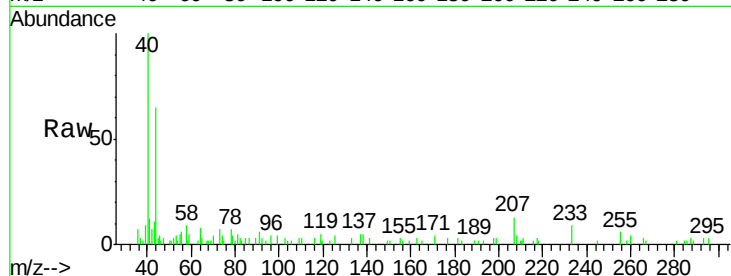
SB-08-5-6

Tot Ion: 91 Resp: 745

Ion Ratio Lower Upper

91 100

120 35.6 12.7 38.1



#79

2-Chlorotoluene

Concen: 3.522 ug/l

RT: 11.82 min Scan# 1145

Delta R.T. 0.02 min

Lab File: VF062647.D

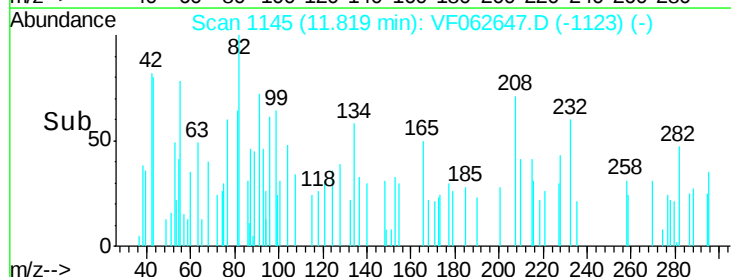
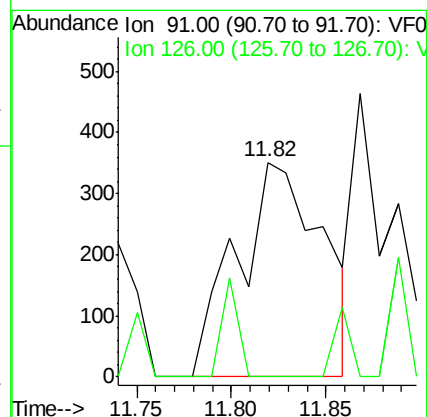
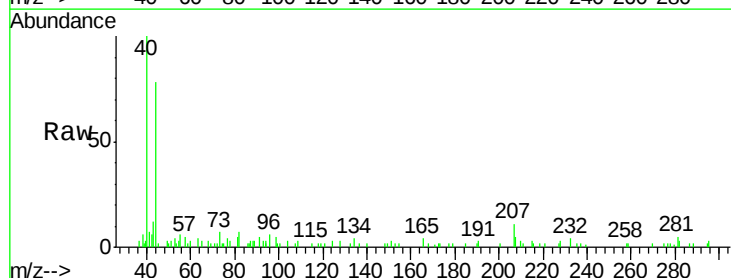
Acq: 17 May 2019 19:19

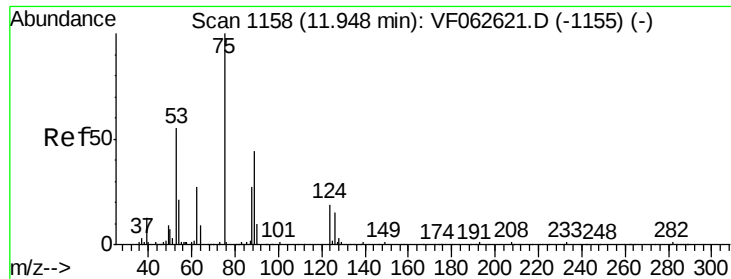
Tgt Ion: 91 Resp: 1101

Ion Ratio Lower Upper

91 100

126 0.0 18.1 54.4#





#81

trans-1,4-Dichloro-2-butene

Concen: 8.864 ug/l

RT: 11.96 min Scan# 1159

Delta R.T. 0.01 min

Lab File: VF062647.D

Acq: 17 May 2019 19:19

Instrument :

MSVOA_F

ClientSampleId :

SB-08-5-6

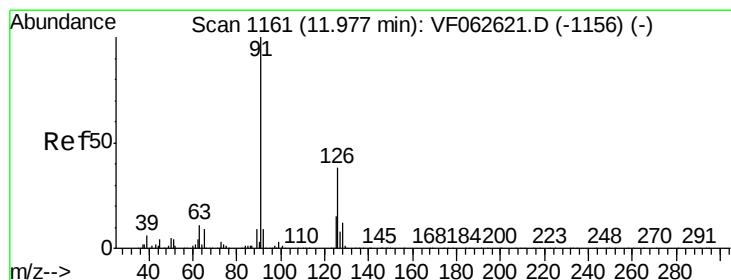
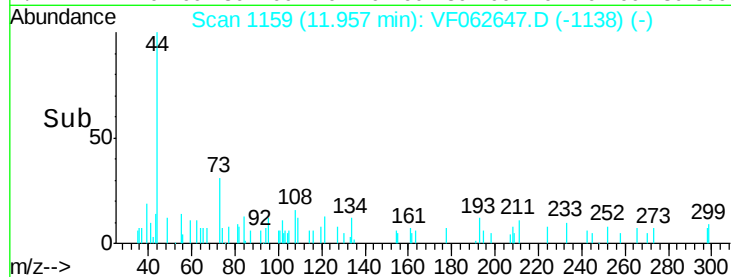
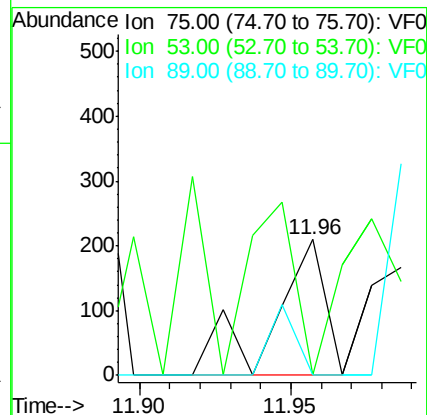
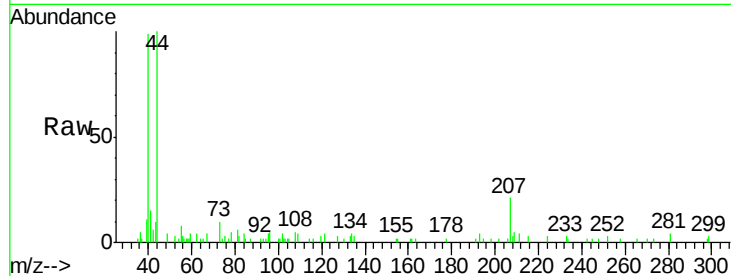
Tot Ion: 75 Resp: 248

Ion Ratio Lower Upper

75 100

53 0.0 46.9 70.3#

89 0.0 36.4 54.6#



#82

4-Chlorotoluene

Concen: 2.355 ug/l

RT: 12.00 min Scan# 1163

Delta R.T. 0.02 min

Lab File: VF062647.D

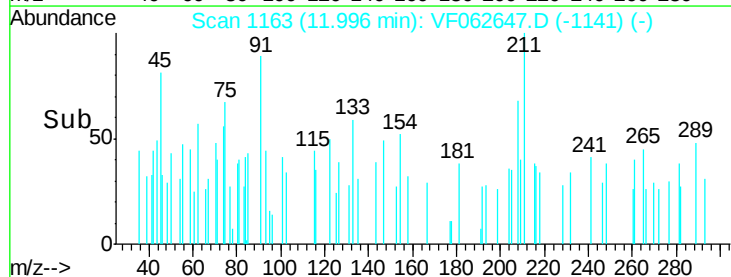
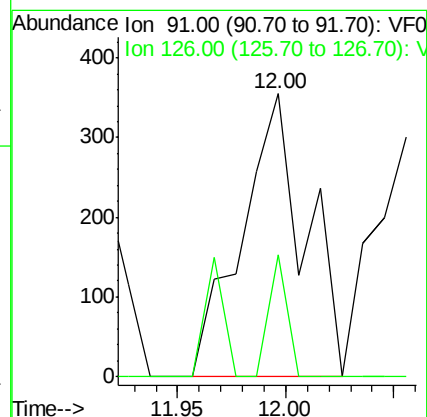
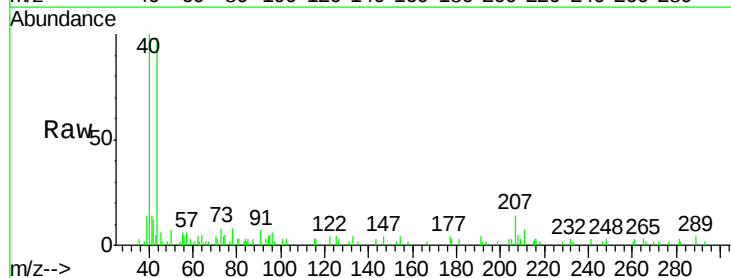
Acq: 17 May 2019 19:19

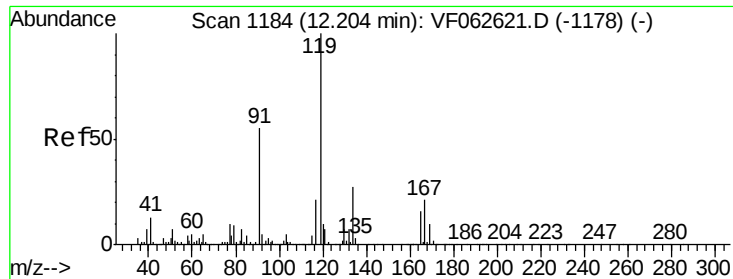
Tgt Ion: 91 Resp: 726

Ion Ratio Lower Upper

91 100

126 43.1 19.1 57.1





#83

tert-Butylbenzene

Concen: 1.694 ug/l

RT: 12.19 min Scan# 1183

Delta R.T. -0.01 min

Lab File: VF062647.D

Acq: 17 May 2019 19:19

Instrument :

MSVOA_F

ClientSampled :

SB-08-5-6

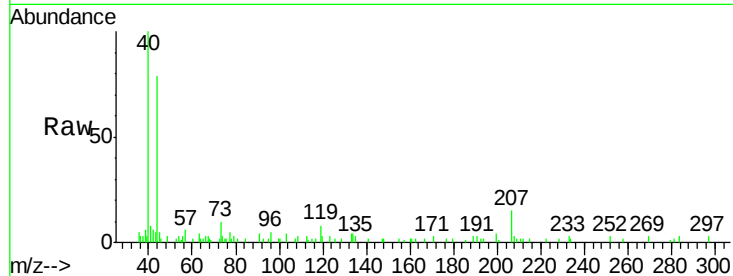
Tot Ion:119 Resp: 646

Ion Ratio Lower Upper

119 100

91 46.3 27.3 81.9

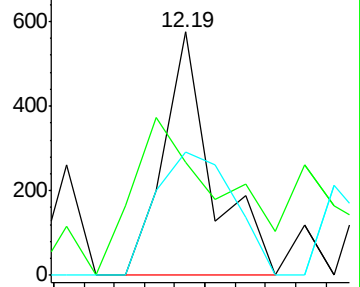
134 50.8 13.6 40.7#



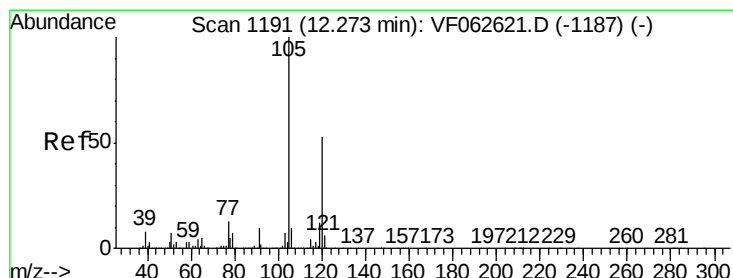
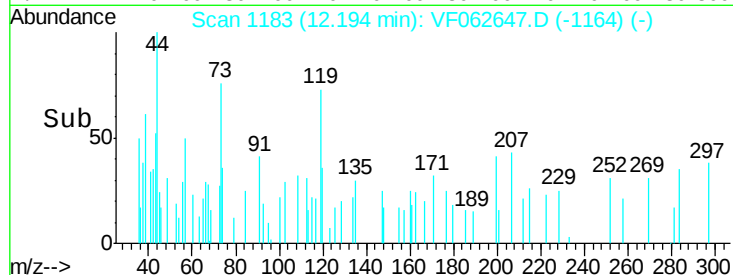
Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



Time--> 12.15 12.20



#84

1,2,4-Trimethylbenzene

Concen: 1.292 ug/l

RT: 12.12 min Scan# 1176

Delta R.T. -0.15 min

Lab File: VF062647.D

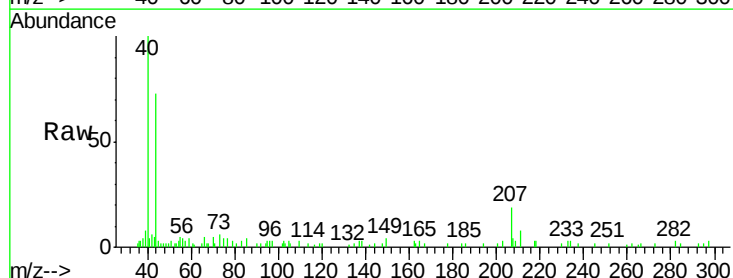
Acq: 17 May 2019 19:19

Tgt Ion:105 Resp: 470

Ion Ratio Lower Upper

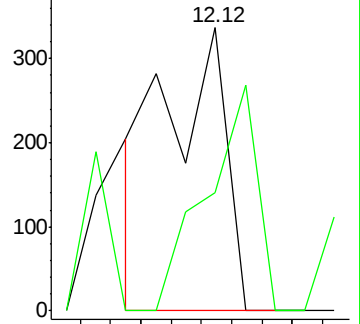
105 100

120 41.5 26.7 80.1

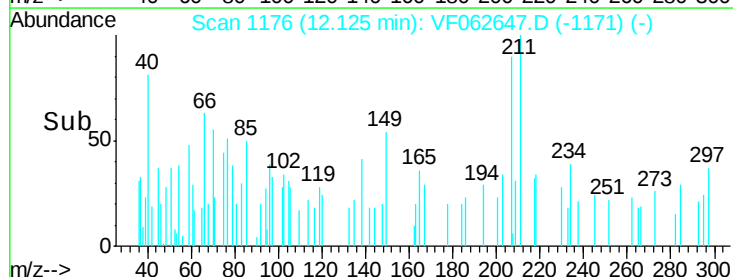


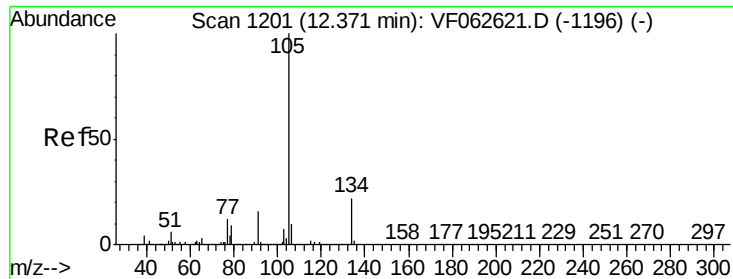
Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time--> 12.10 12.15

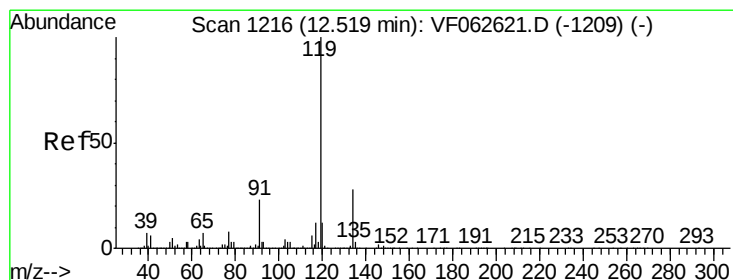
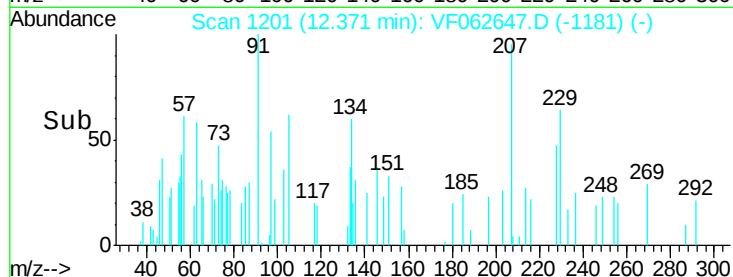
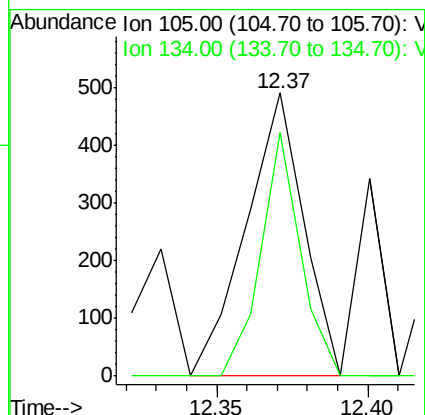
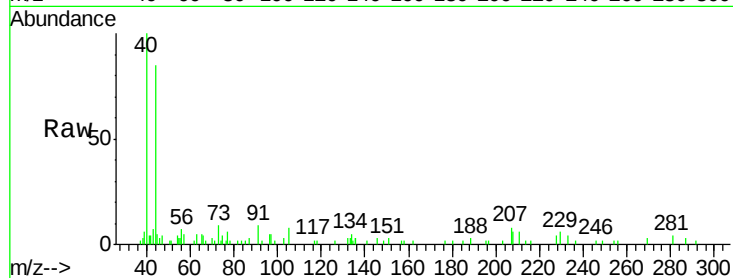




#85
 sec-Butylbenzene
 Concen: 1.264 ug/l
 RT: 12.37 min Scan# 1201
 Delta R.T. -0.00 min
 Lab File: VF062647.D
 Acq: 17 May 2019 19:19

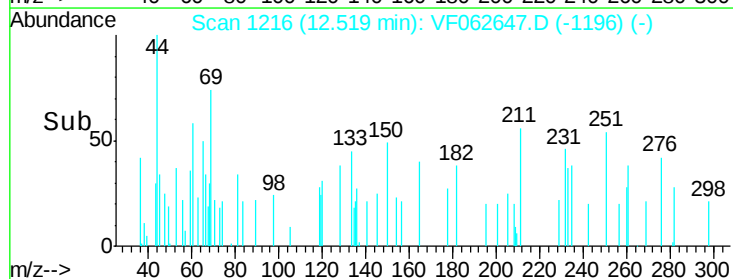
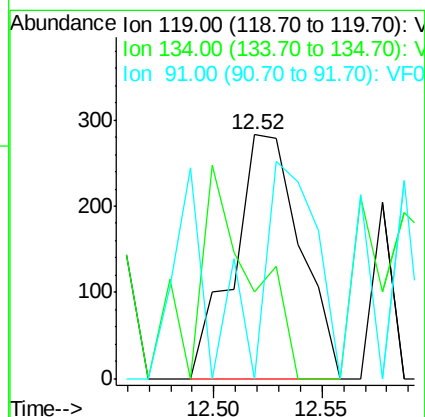
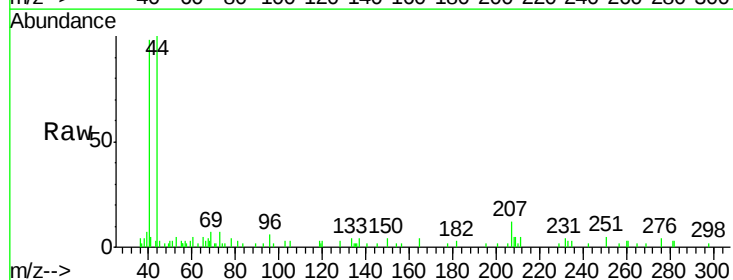
Instrument :
 MSVOA_F
 ClientSampleId :
 SB-08-5-6

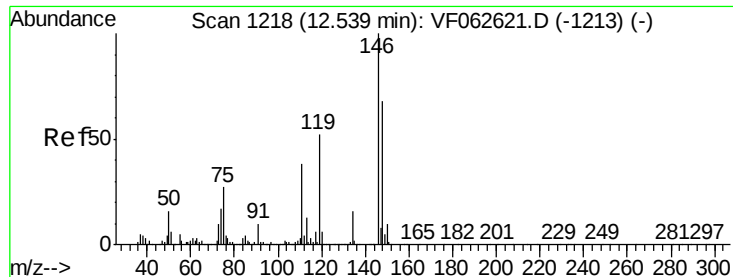
Tot Ion:105 Resp: 647
 Ion Ratio Lower Upper
 105 100
 134 86.2 10.8 32.4#



#86
 p-Isopropyltoluene
 Concen: 1.410 ug/l
 RT: 12.52 min Scan# 1216
 Delta R.T. -0.00 min
 Lab File: VF062647.D
 Acq: 17 May 2019 19:19

Tgt Ion:119 Resp: 608
 Ion Ratio Lower Upper
 119 100
 134 35.7 14.1 42.3
 91 0.0 11.4 34.2#





#87

1,3-Dichlorobenzene

Concen: 1.015 ug/l

RT: 12.53 min Scan# 1217

Delta R.T. -0.01 min

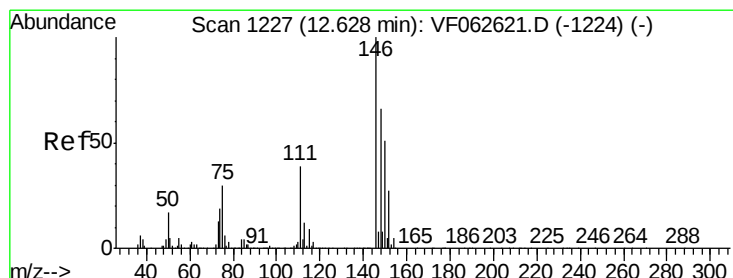
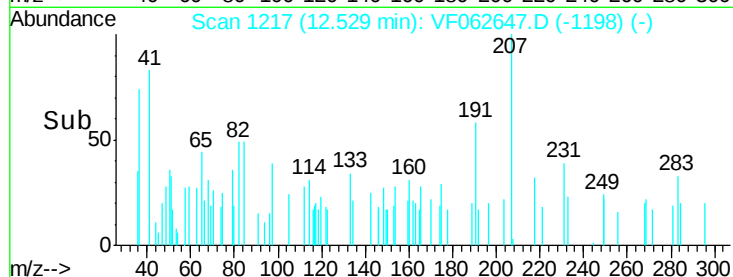
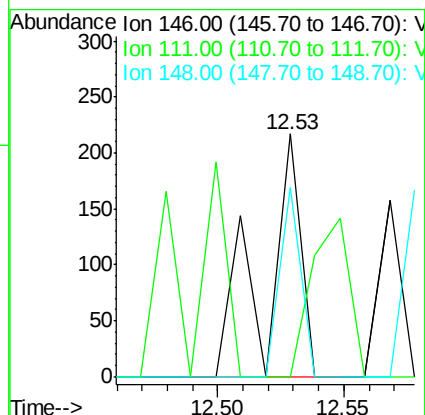
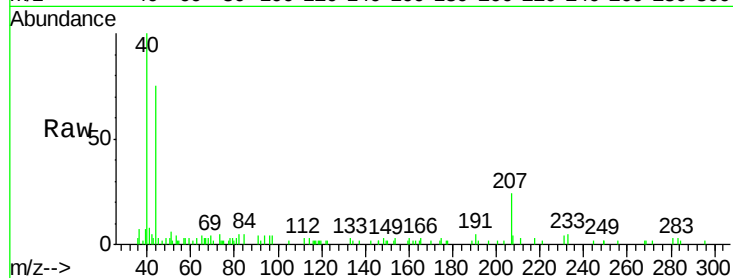
Lab File: VF062647.D

Acq: 17 May 2019 19:19

Instrument :
MSVOA_F
ClientSampleId :
SB-08-5-6

Tot Ion:146 Resp: 214

Ion	Ratio	Lower	Upper
146	100		
111	0.0	18.9	56.9#
148	77.9	34.0	101.8



#88

1,4-Dichlorobenzene

Concen: 1.183 ug/l

RT: 12.61 min Scan# 1225

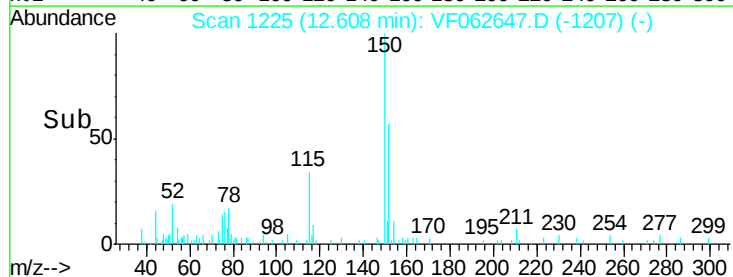
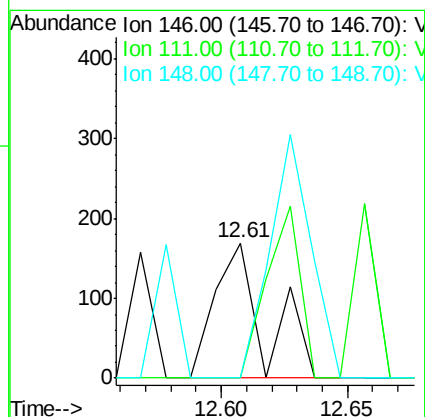
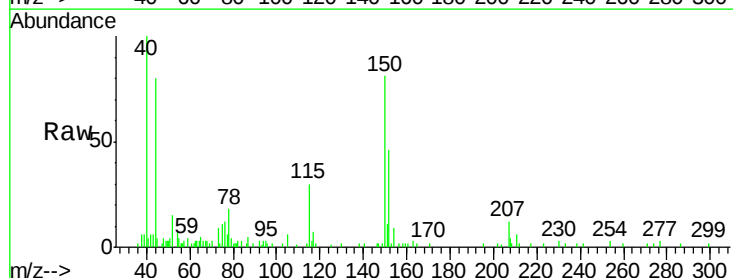
Delta R.T. -0.02 min

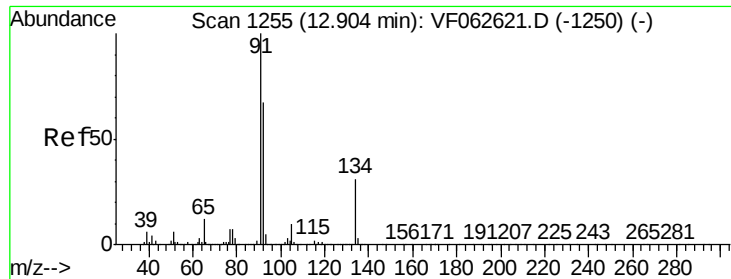
Lab File: VF062647.D

Acq: 17 May 2019 19:19

Tgt Ion:146 Resp: 234

Ion	Ratio	Lower	Upper
146	100		
111	0.0	19.4	58.2#
148	0.0	33.2	99.6#





#89

n-Butylbenzene

Concen: 2.055 ug/l

RT: 12.87 min Scan# 1252

Delta R.T. -0.03 min

Lab File: VF062647.D

Acq: 17 May 2019 19:19

Instrument :

MSVOA_F

ClientSampleId :

SB-08-5-6

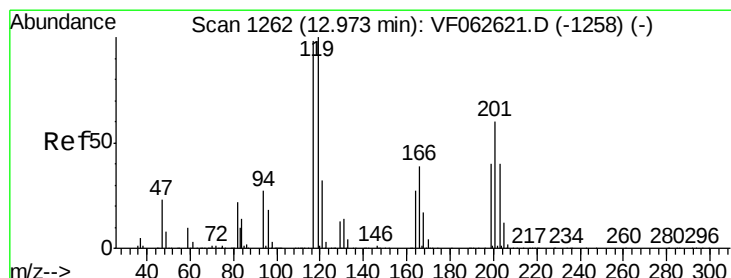
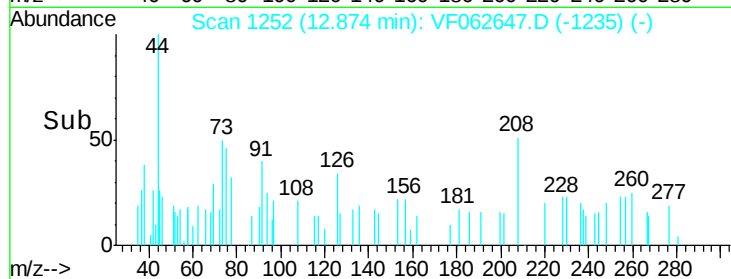
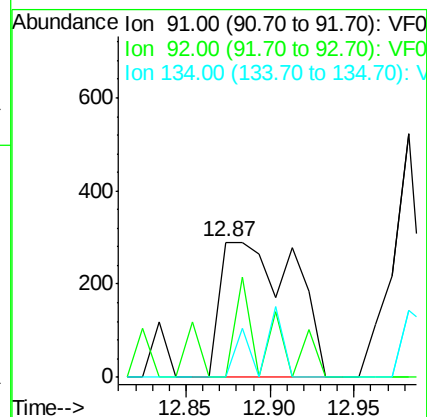
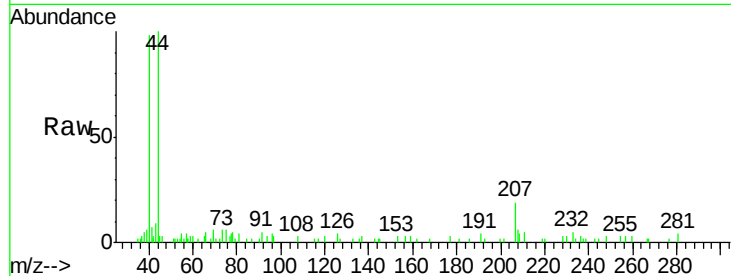
Tot Ion: 91 Resp: 874

Ion Ratio Lower Upper

91 100

92 0.0 33.3 99.8#

134 0.0 15.4 46.4#



#90

Hexachloroethane

Concen: 1.063 ug/l

RT: 12.97 min Scan# 1262

Delta R.T. -0.00 min

Lab File: VF062647.D

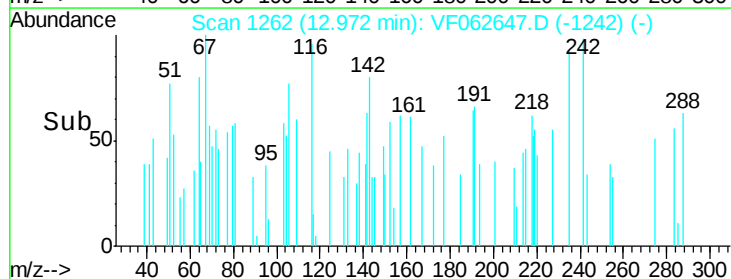
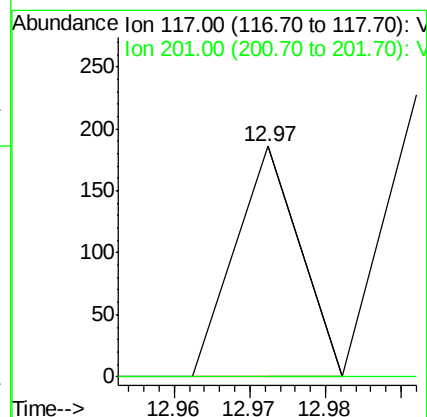
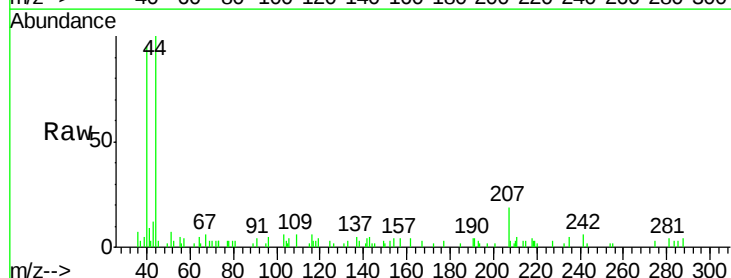
Acq: 17 May 2019 19:19

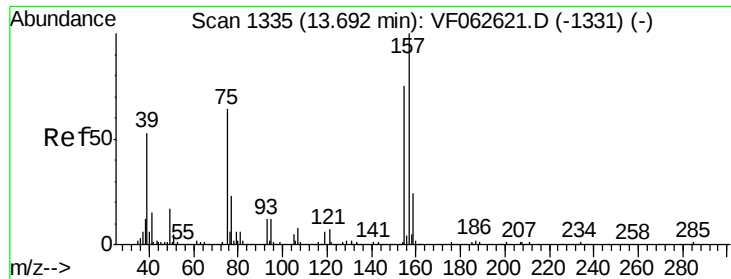
Tgt Ion: 117 Resp: 110

Ion Ratio Lower Upper

117 100

201 0.0 30.7 92.1#





#92

1,2-Dibromo-3-Chloropropane

Concen: 12.514 ug/l

RT: 13.69 min Scan# 1335

Delta R.T. -0.00 min

Lab File: VF062647.D

Acq: 17 May 2019 19:19

Instrument :

MSVOA_F

ClientSampled :

SB-08-5-6

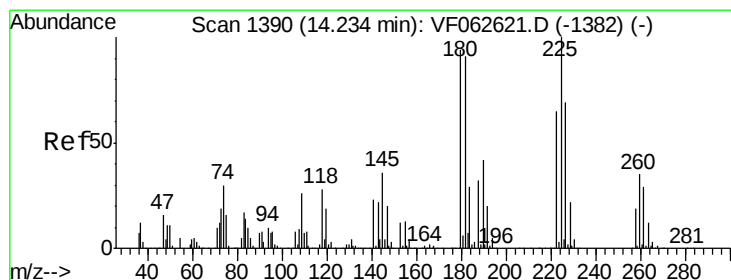
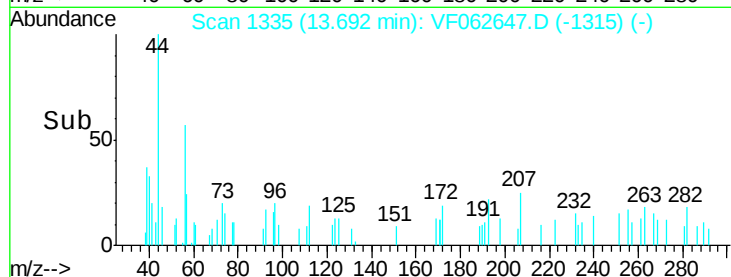
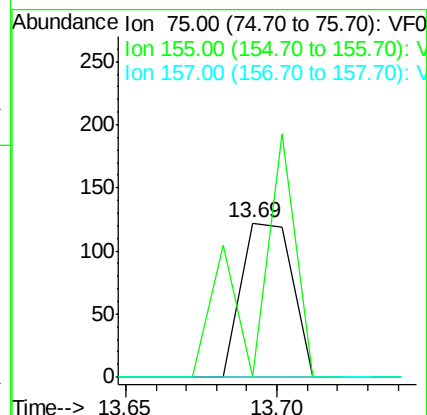
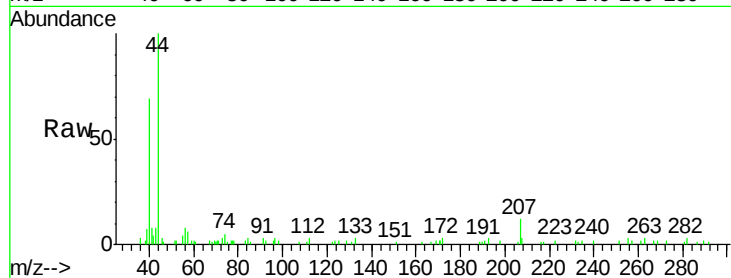
Tot Ion: 75 Resp: 143

Ion Ratio Lower Upper

75 100

155 0.0 58.1 174.3#

157 0.0 77.8 233.4#



#94

Hexachlorobutadiene

Concen: 2.014 ug/l

RT: 14.33 min Scan# 1400

Delta R.T. 0.10 min

Lab File: VF062647.D

Acq: 17 May 2019 19:19

Tgt Ion: 225 Resp: 189

Ion Ratio Lower Upper

225 100

223 0.0 32.5 97.4#

227 58.2 34.5 103.5

