

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF050819\
 Data File : VF062373.D
 Acq On : 8 May 2019 13:20
 Operator : FY/SY
 Sample : VF0508SBS01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0508SBS01

Quant Time: May 08 16:09:51 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	330702	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.76	114	428788	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.90	117	352467	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.60	152	222509	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.02	65	166775	53.36	ug/l	0.00
Spiked Amount						
			Recovery	=	106.72%	
35) Dibromofluoromethane	4.29	113	183676	53.77	ug/l	-0.01
Spiked Amount						
			Recovery	=	107.54%	
50) Toluene-d8	7.69	98	438444	53.02	ug/l	-0.01
Spiked Amount						
			Recovery	=	106.04%	
62) 4-Bromofluorobenzene	11.49	95	194734	52.20	ug/l	0.00
Spiked Amount						
			Recovery	=	104.40%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.00	85	80352	20.994	ug/l	96
3) Chloromethane	1.14	50	48698	19.292	ug/l	99
4) Vinyl Chloride	1.18	62	51901	20.614	ug/l	95
5) Bromomethane	1.39	94	39374	19.178	ug/l	97
6) Chloroethane	1.44	64	24044	18.995	ug/l	93
7) Trichlorofluoromethane	1.55	101	107219m	20.524	ug/l	
8) Diethyl Ether	1.71	74	15353	19.423	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	1.90	101	61511	20.624	ug/l	98
10) Methyl Iodide	1.98	142	103744m	21.108	ug/l	
11) Tert butyl alcohol	2.69	59	16288	92.215	ug/l	97
12) 1,1-Dichloroethene	1.87	96	54441	21.472	ug/l	85
13) Acrolein	2.09	56	13808	115.076	ug/l #	81
14) Allyl chloride	2.19	41	56110	25.052	ug/l	93
15) Acrylonitrile	3.08	53	35832	107.094	ug/l	95
16) Acetone	2.35	43	64643	102.248	ug/l #	91
17) Carbon Disulfide	1.91	76	116481m	21.069	ug/l	
18) Methyl Acetate	2.45	43	24622	19.441	ug/l	96
19) Methyl tert-butyl Ether	2.54	73	109570	20.935	ug/l	96
20) Methylene Chloride	2.34	84	55166m	24.118	ug/l	
21) trans-1,2-Dichloroethene	2.42	96	45875	18.991	ug/l	96
22) Diisopropyl ether	2.93	45	150403	21.486	ug/l	99
23) Vinyl Acetate	3.33	43	328903	105.423	ug/l	98
24) 1,1-Dichloroethane	3.00	63	89757	21.216	ug/l	98
25) 2-Butanone	4.51	43	89802	113.062	ug/l	97
26) 2,2-Dichloropropane	3.76	77	51775	21.914	ug/l	100
27) cis-1,2-Dichloroethene	3.64	96	59948	19.853	ug/l	96
28) Bromochloromethane	3.89	49	37954	19.781	ug/l #	93
29) Tetrahydrofuran	4.26	42	37598	102.995	ug/l	97
30) Chloroform	4.03	83	125017	21.873	ug/l	96
31) Cyclohexane	3.87	56	75176m	22.262	ug/l	
32) 1,1,1-Trichloroethane	4.27	97	105913m	21.621	ug/l	
36) 1,1-Dichloropropene	4.46	75	84318	22.891	ug/l	99
37) Ethyl Acetate	4.28	43	31440	18.612	ug/l #	98
38) Carbon Tetrachloride	4.16	117	90069	22.019	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	83465	22.594	ug/l	90
40) Benzene	4.80	78	188113	23.192	ug/l	95
41) Methacrylonitrile	4.91	41	17814	20.169	ug/l	91
42) 1,2-Dichloroethane	5.12	62	75848	22.358	ug/l	96
43) Isopropyl Acetate	7.11	43	36909	22.030	ug/l #	94
44) Trichloroethene	5.67	130	65948	22.133	ug/l	99
45) 1,2-Dichloropropane	6.39	63	41538	22.609	ug/l	96
46) Dibromomethane	6.24	93	34015	22.330	ug/l	100
47) Bromodichloromethane	6.54	83	84687	22.237	ug/l	93
48) Methyl methacrylate	6.86	41	25499	21.536	ug/l	89
49) 1,4-Dioxane	6.86	88	5387	435.002	ug/l	97
51) 4-Methyl-2-Pentanone	8.39	43	132880	104.668	ug/l	99
52) Toluene	7.76	92	110935	22.170	ug/l	95
53) t-1,3-Dichloropropene	8.41	75	60408	20.972	ug/l	94
54) cis-1,3-Dichloropropene	7.44	75	74314	22.168	ug/l	96
55) 1,1,2-Trichloroethane	8.62	97	34987	22.026	ug/l	90
56) Ethyl methacrylate	8.74	69	32736	19.523	ug/l	98
57) 1,3-Dichloropropane	8.98	76	53501	22.298	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.43	63	52075	103.299	ug/l	98
59) 2-Hexanone	9.60	43	95253	108.487	ug/l	98
60) Dibromochloromethane	8.84	129	57491	22.129	ug/l	98
61) 1,2-Dibromoethane	9.12	107	40266	21.568	ug/l	99
64) Tetrachloroethene	8.29	164	63036	22.030	ug/l	96
65) Chlorobenzene	9.92	112	136454	23.398	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.05	131	66894	22.738	ug/l	99
67) Ethyl Benzene	10.02	91	244346	23.927	ug/l	99
68) m/p-Xylenes	10.24	106	176284	46.786	ug/l	98
69) o-Xylene	10.81	106	96346	23.664	ug/l	97
70) Styrene	10.87	104	140639	23.048	ug/l	98
71) Bromoform	10.86	173	34814	21.600	ug/l #	94
73) Isopropylbenzene	11.20	105	303973	23.044	ug/l	99
74) N-amyl acetate	11.44	43	60257	21.277	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.76	83	45161	21.865	ug/l	97
76) 1,2,3-Trichloropropane	11.86	75	33404	21.198	ug/l #	100
77) Bromobenzene	11.56	156	75230	21.730	ug/l	98
78) n-propylbenzene	11.66	91	315748	22.483	ug/l	100
79) 2-Chlorotoluene	11.78	91	196767	22.532	ug/l	98
80) 1,3,5-Trimethylbenzene	11.88	105	263321	22.775	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.93	75	13878m	23.430	ug/l	
82) 4-Chlorotoluene	11.96	91	184627	21.406	ug/l	100
83) tert-Butylbenzene	12.19	119	271391	22.335	ug/l	99
84) 1,2,4-Trimethylbenzene	12.25	105	255595	22.590	ug/l	100
85) sec-Butylbenzene	12.36	105	338280	22.872	ug/l	99
86) p-Isopropyltoluene	12.51	119	311002	22.633	ug/l	99
87) 1,3-Dichlorobenzene	12.53	146	141306	22.349	ug/l	99
88) 1,4-Dichlorobenzene	12.62	146	134949	22.114	ug/l	97
89) n-Butylbenzene	12.89	91	286766	23.457	ug/l	97
90) Hexachloroethane	12.96	117	76655	22.342	ug/l	95
91) 1,2-Dichlorobenzene	12.98	146	135544	22.148	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.68	75	8569	18.519	ug/l #	44

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

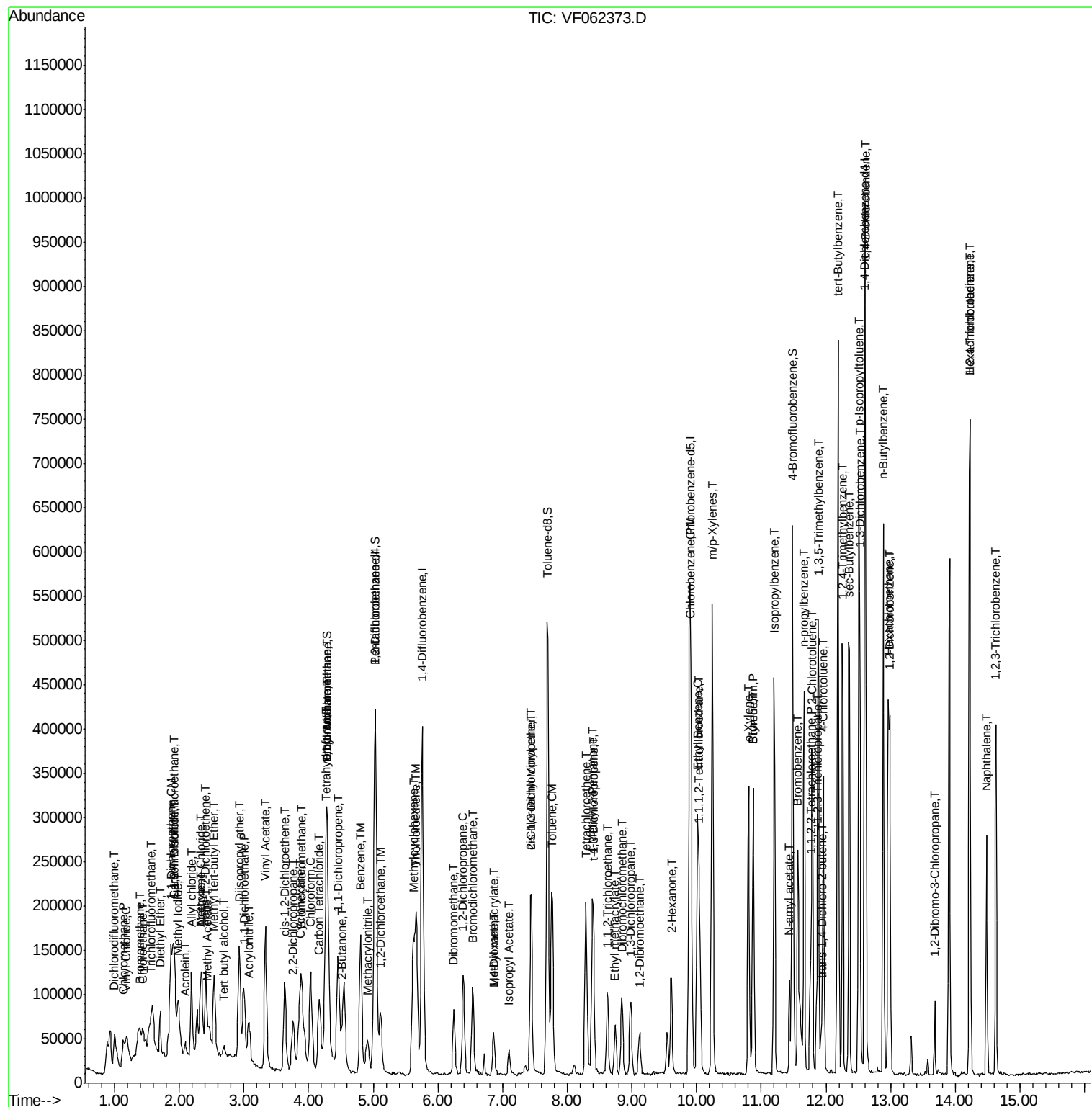
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.23	180	122338	22.287	ug/l	99
94) Hexachlorobutadiene	14.22	225	92559	22.623	ug/l	98
95) Naphthalene	14.48	128	180316	21.849	ug/l	100
96) 1,2,3-Trichlorobenzene	14.63	180	122113	22.962	ug/l	99

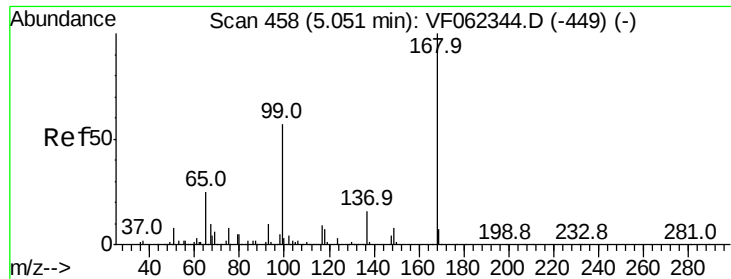
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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 Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.04 min Scan# 457

Delta R.T. -0.01 min

Lab File: VF062373.D

Acq: 8 May 2019 13:20

Instrument :

MSVOA_F

ClientSampleId :

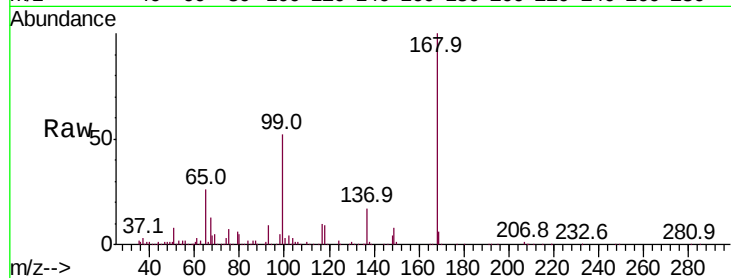
VF0508SBS01

Tot Ion:168 Resp: 330702

Ion Ratio Lower Upper

168 100

99 52.0 45.9 68.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VF0

5.04

120000

100000

80000

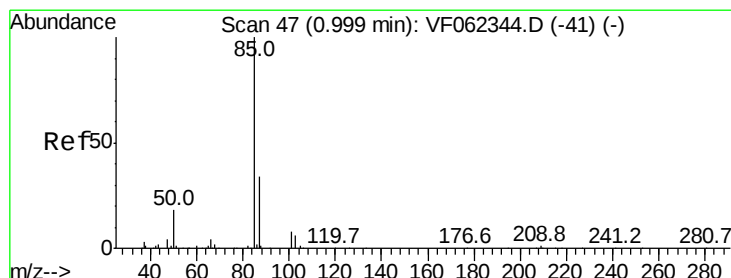
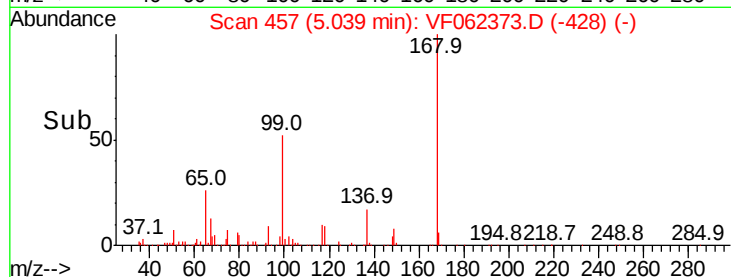
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 20.994 ug/l

RT: 1.00 min Scan# 47

Delta R.T. -0.00 min

Lab File: VF062373.D

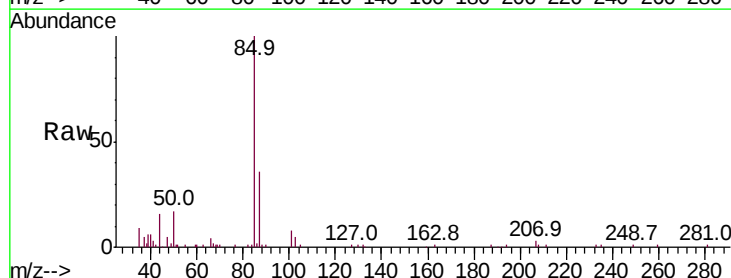
Acq: 8 May 2019 13:20

Tgt Ion: 85 Resp: 80352

Ion Ratio Lower Upper

85 100

87 35.7 16.8 50.4



Abundance Ion 84.90 (84.60 to 85.60): VF0

Ion 86.90 (86.60 to 87.60): VF0

1.00

25000

20000

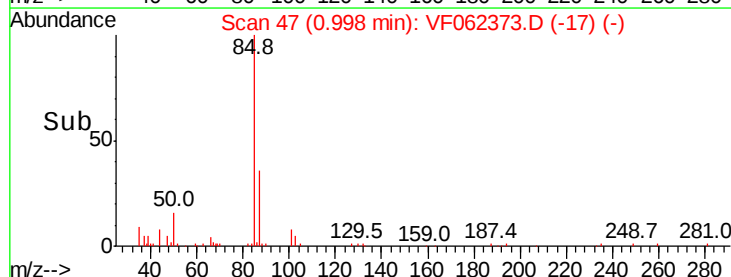
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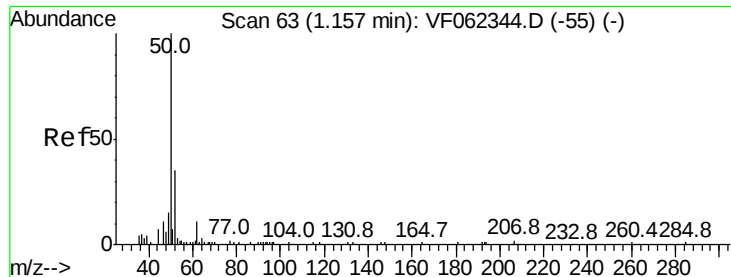
10000

5000

0

Time-->





#3

Chloromethane

Concen: 19.292 ug/l

RT: 1.14 min Scan# 61

Delta R.T. -0.02 min

Lab File: VF062373.D

Acq: 8 May 2019 13:20

Instrument :

MSVOA_F

ClientSampleId :

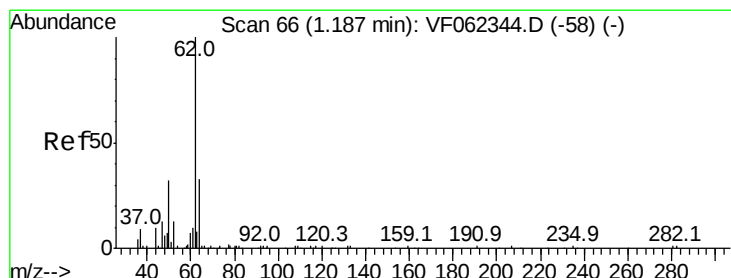
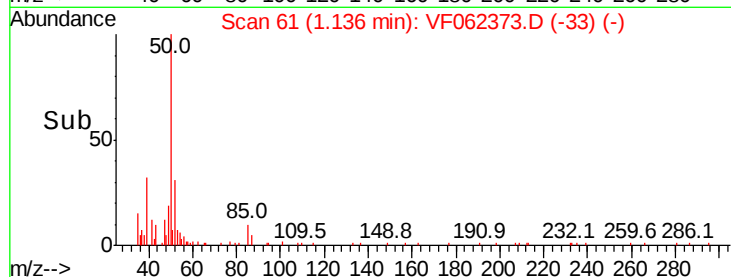
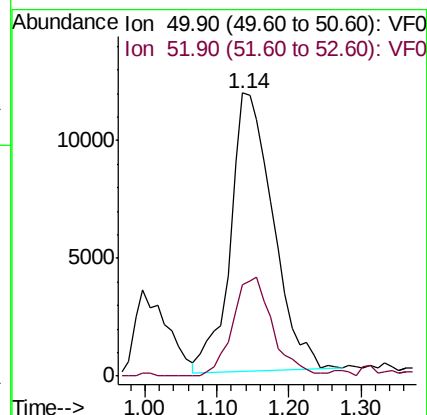
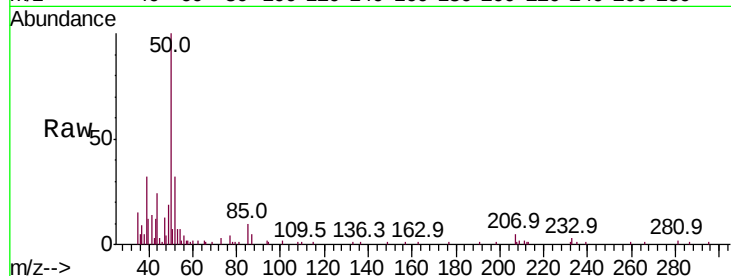
VF0508SBS01

Tot Ion: 50 Resp: 48698

Ion Ratio Lower Upper

50 100

52 33.3 26.1 39.1



#4

Vinyl Chloride

Concen: 20.614 ug/l

RT: 1.18 min Scan# 66

Delta R.T. -0.00 min

Lab File: VF062373.D

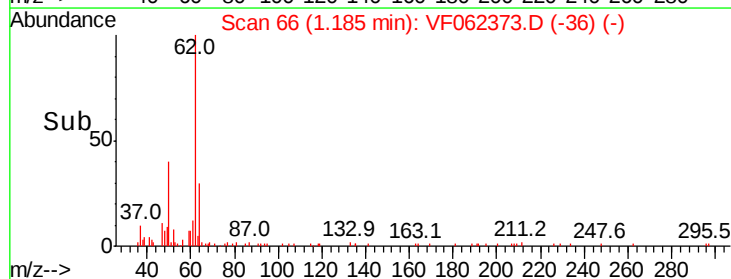
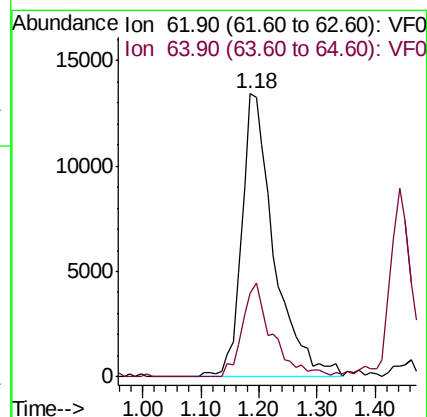
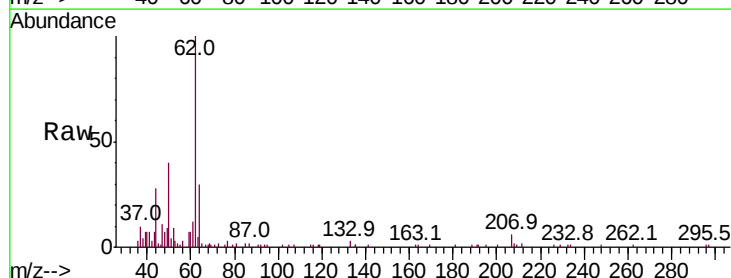
Acq: 8 May 2019 13:20

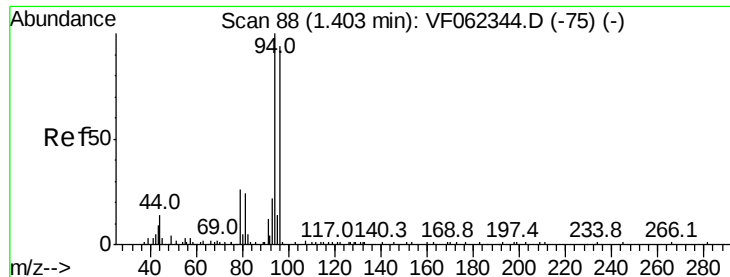
Tgt Ion: 62 Resp: 51901

Ion Ratio Lower Upper

62 100

64 29.7 26.1 39.1





#5

Bromomethane

Concen: 19.178 ug/l

RT: 1.39 min Scan# 87

Delta R.T. -0.01 min

Lab File: VF062373.D

Acq: 8 May 2019 13:20

Instrument :

MSVOA_F

ClientSampleId :

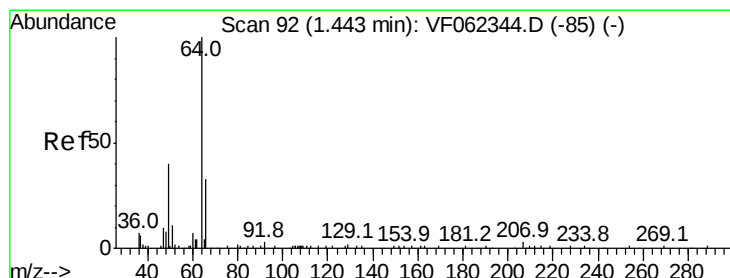
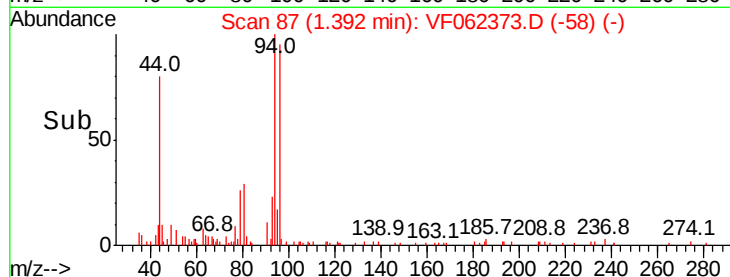
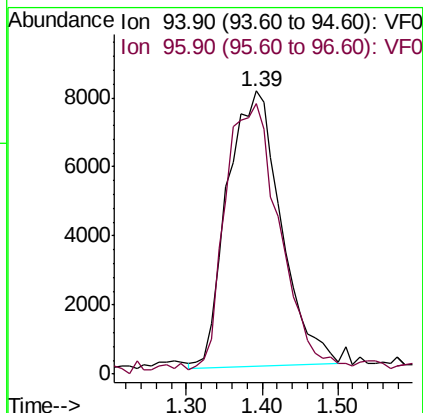
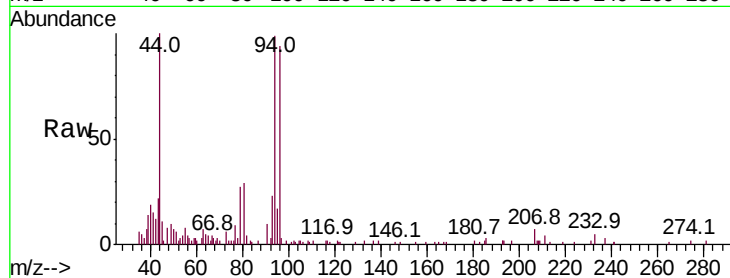
VF0508SBS01

Tot Ion: 94 Resp: 39374

Ion Ratio Lower Upper

94 100

96 97.5 75.4 113.2



#6

Chloroethane

Concen: 18.995 ug/l

RT: 1.44 min Scan# 92

Delta R.T. -0.00 min

Lab File: VF062373.D

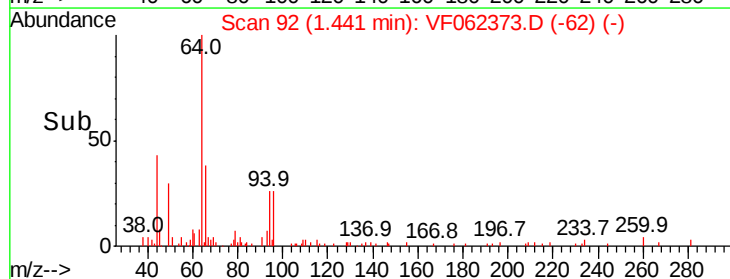
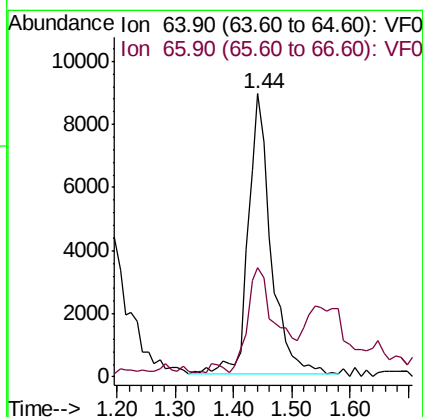
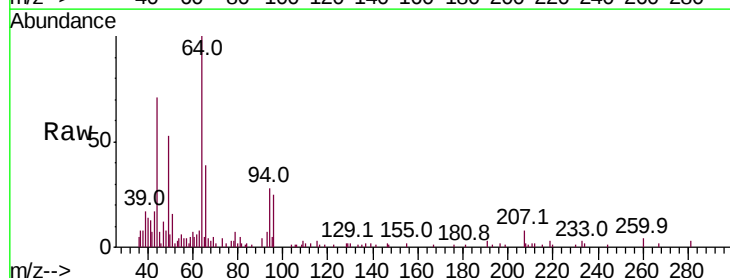
Acq: 8 May 2019 13:20

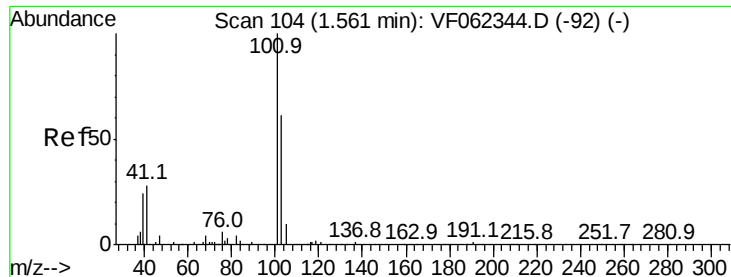
Tgt Ion: 64 Resp: 24044

Ion Ratio Lower Upper

64 100

66 36.9 26.6 39.8



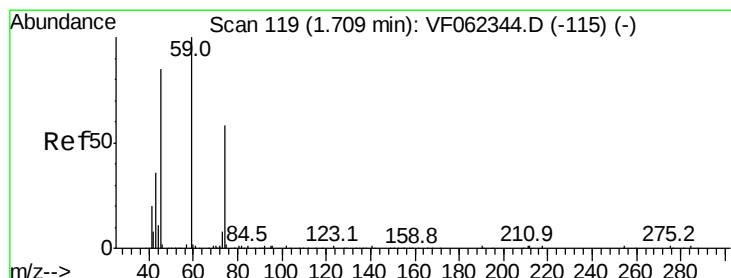
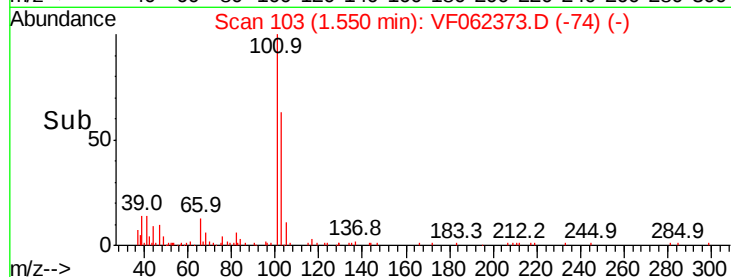
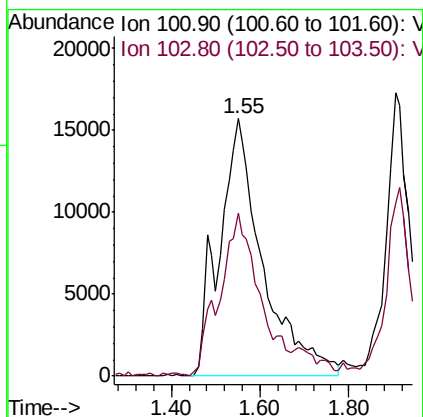
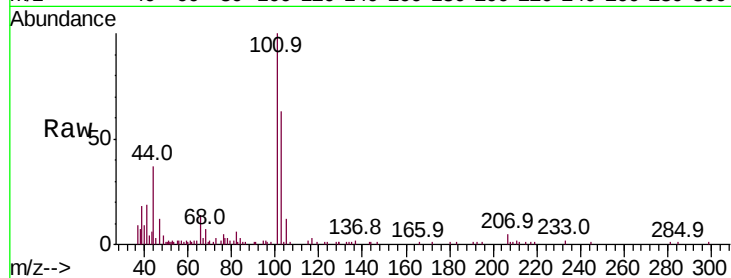


#7

Trichlorofluoromethane
Concen: 20.524 ug/l m
RT: 1.55 min Scan# 103
Delta R.T. -0.01 min
Lab File: VF062373.D
Acq: 8 May 2019 13:20

Instrument :
MSVOA_F
ClientSampleId :
VF0508SBS01

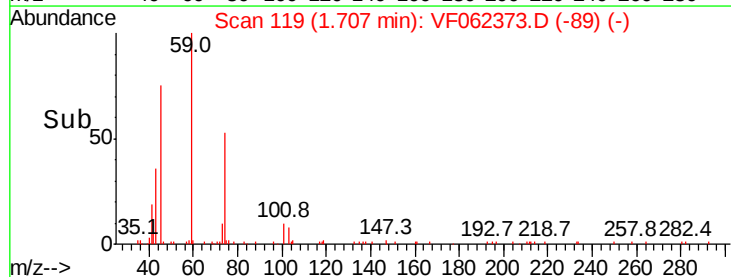
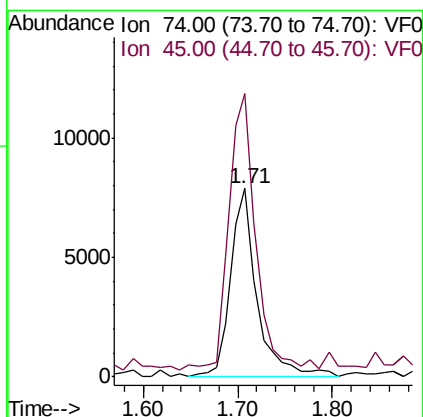
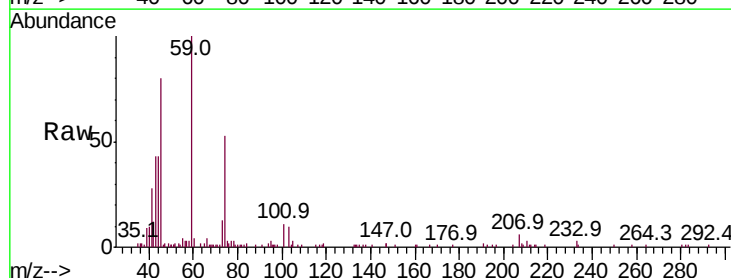
Tot Ion:101 Resp: 107219
Ion Ratio Lower Upper
101 100
103 63.2 48.5 72.7

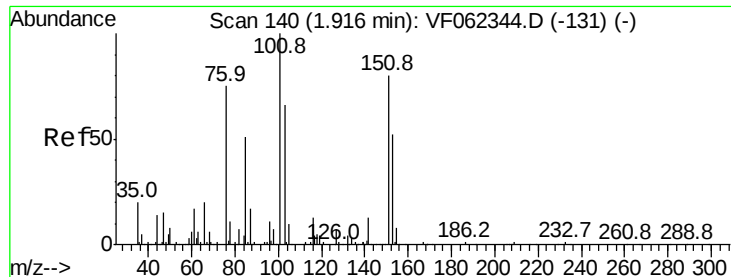


#8

Diethyl Ether
Concen: 19.423 ug/l
RT: 1.71 min Scan# 119
Delta R.T. -0.00 min
Lab File: VF062373.D
Acq: 8 May 2019 13:20

Tgt Ion: 74 Resp: 15353
Ion Ratio Lower Upper
74 100
45 146.2 73.9 221.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.624 ug/l

RT: 1.90 min Scan# 139

Delta R.T. -0.01 min

Lab File: VF062373.D

Acq: 8 May 2019 13:20

Instrument :

MSVOA_F

ClientSampleId :

VF0508SBS01

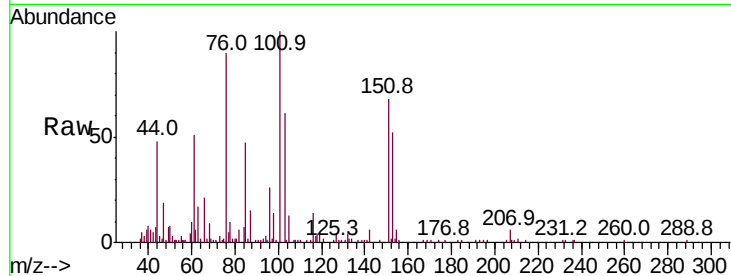
Tot Ion:101 Resp: 61511

Ion Ratio Lower Upper

101 100

85 51.2 39.5 59.3

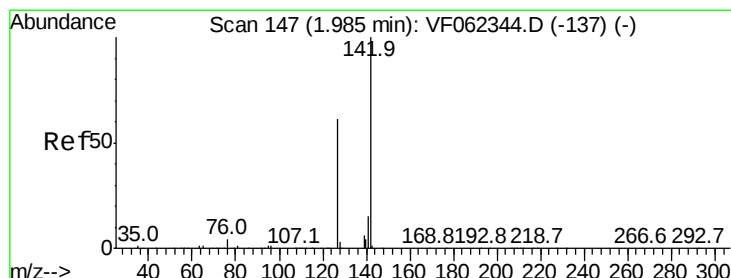
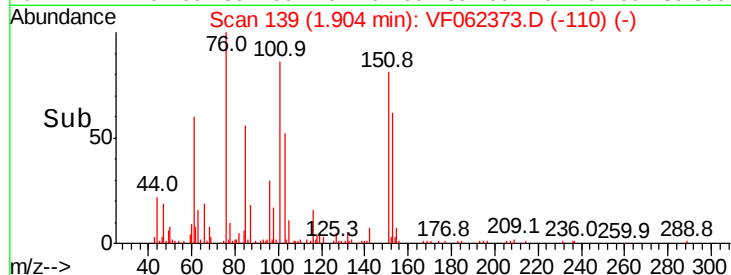
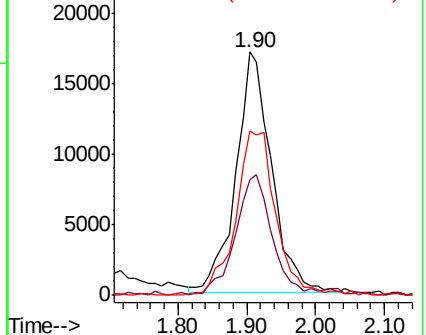
151 76.9 59.9 89.9



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VF0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 21.108 ug/l m

RT: 1.98 min Scan# 147

Delta R.T. -0.00 min

Lab File: VF062373.D

Acq: 8 May 2019 13:20

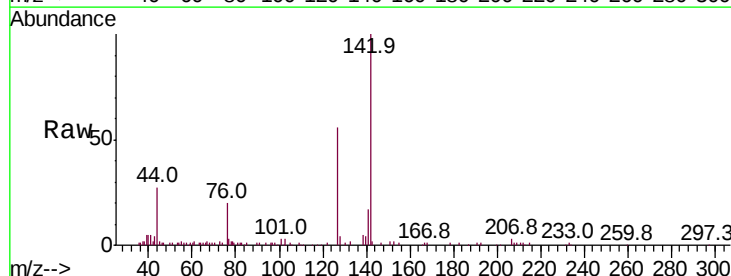
Tgt Ion:142 Resp: 103744

Ion Ratio Lower Upper

142 100

127 50.5 48.4 72.6

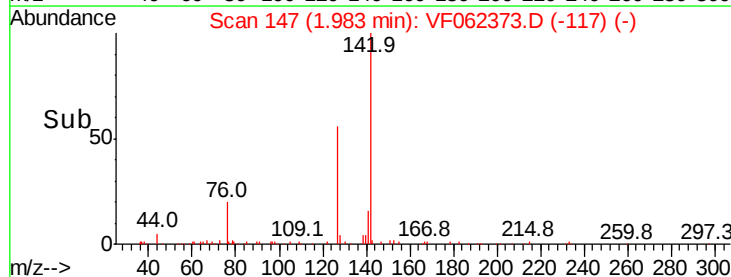
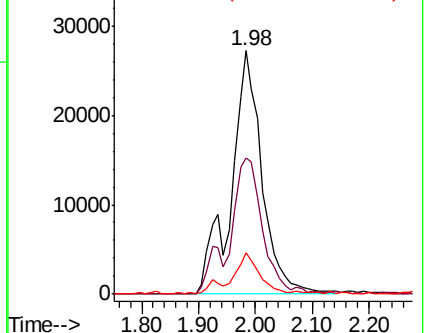
141 13.0 12.2 18.4

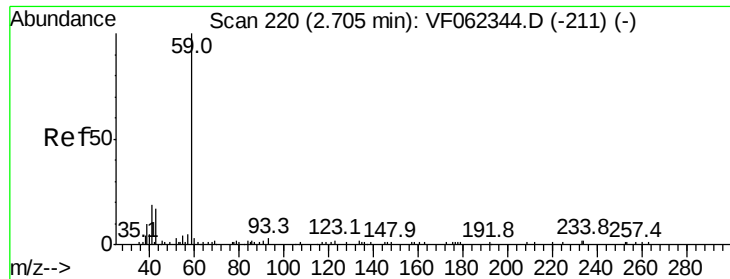


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



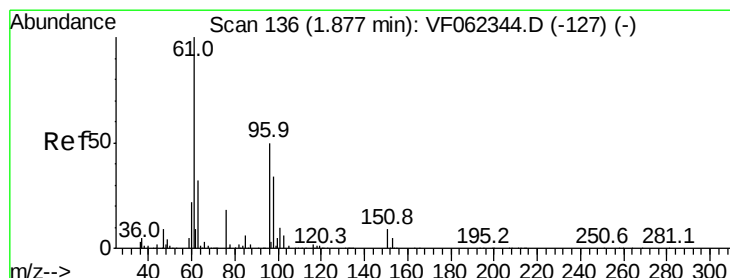
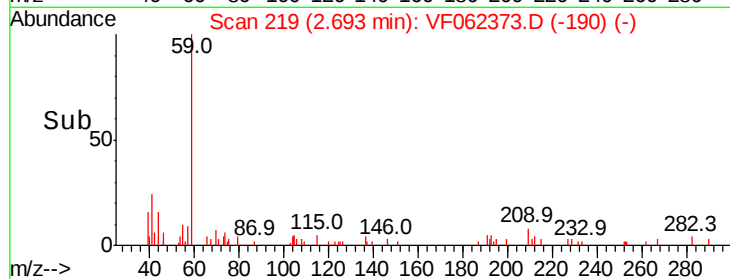
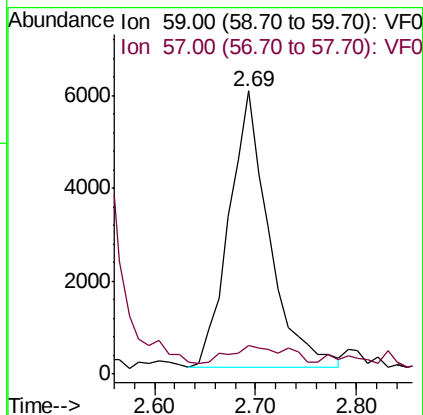
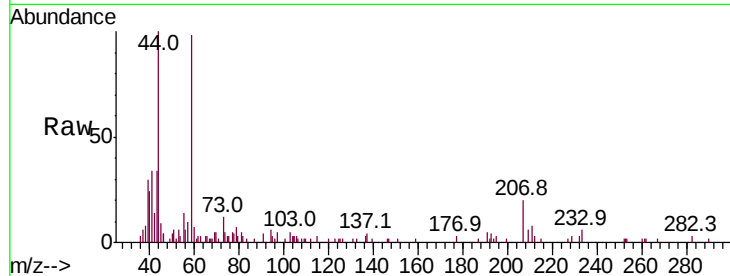


#11

Tert butyl alcohol
 Concen: 92.215 ug/l
 RT: 2.69 min Scan# 219
 Delta R.T. -0.01 min
 Lab File: VF062373.D
 Acq: 8 May 2019 13:20

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0508SBS01

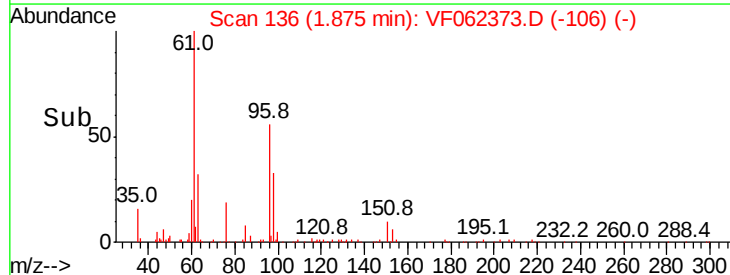
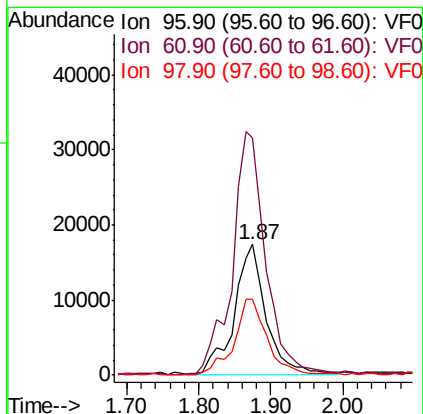
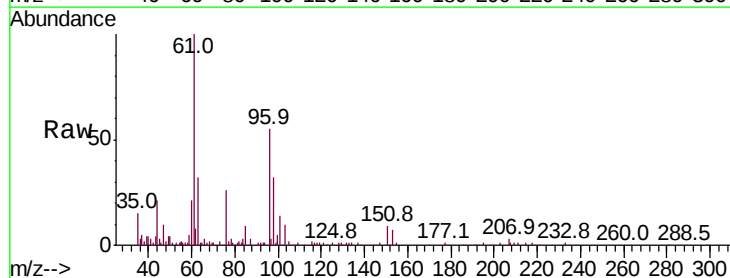
Tot Ion: 59 Resp: 16288
 Ion Ratio Lower Upper
 59 100
 57 10.3 9.3 13.9

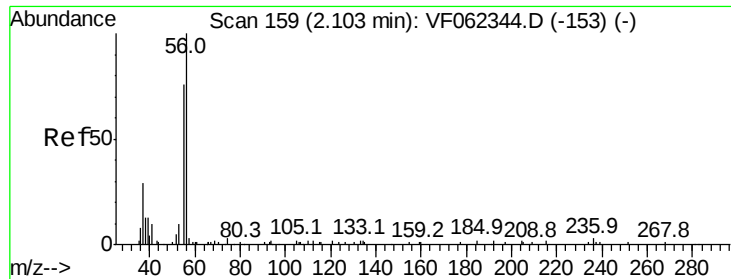


#12

1,1-Dichloroethene
 Concen: 21.472 ug/l
 RT: 1.87 min Scan# 136
 Delta R.T. -0.00 min
 Lab File: VF062373.D
 Acq: 8 May 2019 13:20

Tgt Ion: 96 Resp: 54441
 Ion Ratio Lower Upper
 96 100
 61 179.6 163.2 244.8
 98 57.3 55.2 82.8

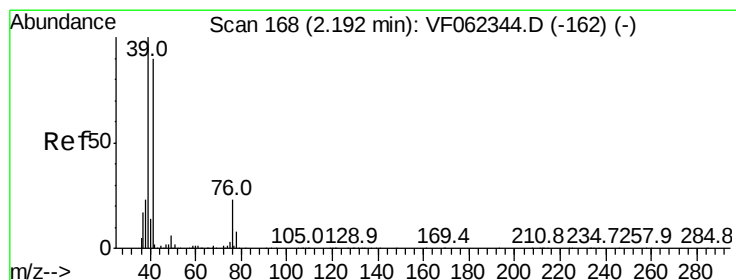
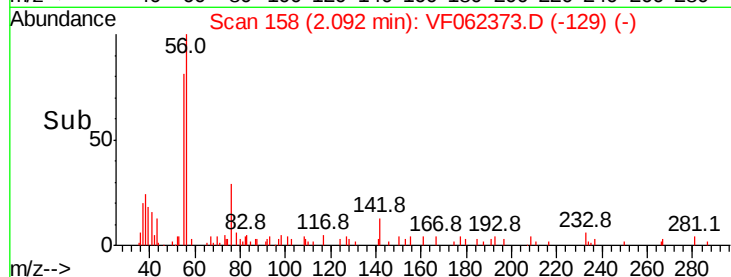
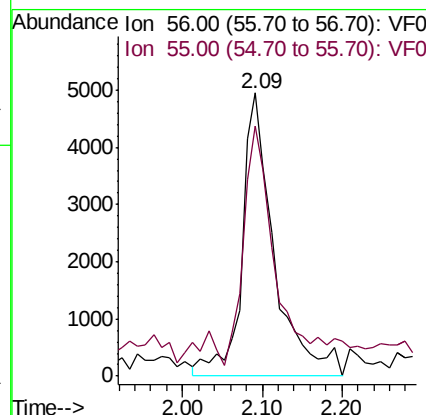
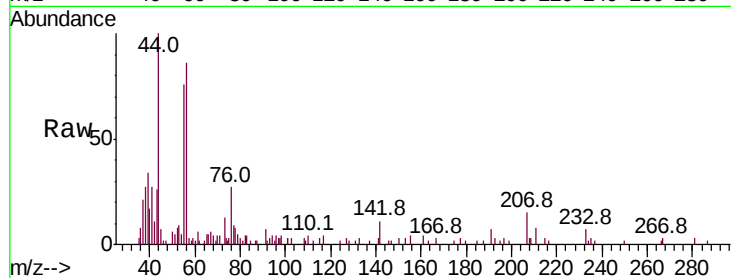




#13
Acrolein
Concen: 115.076 ug/l
RT: 2.09 min Scan# 158
Delta R.T. -0.01 min
Lab File: VF062373.D
Acq: 8 May 2019 13:20

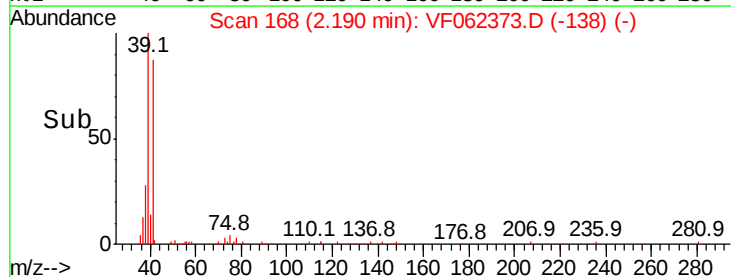
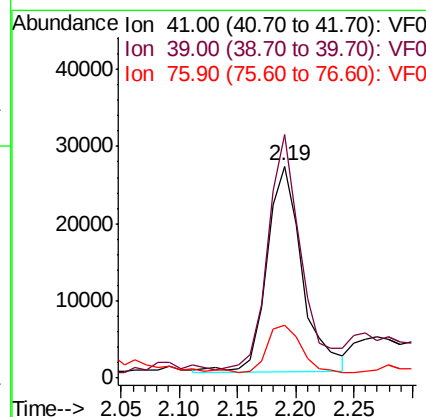
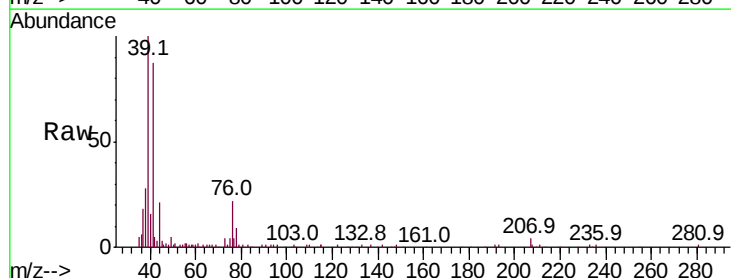
Instrument :
MSVOA_F
ClientSampleId :
VF0508SBS01

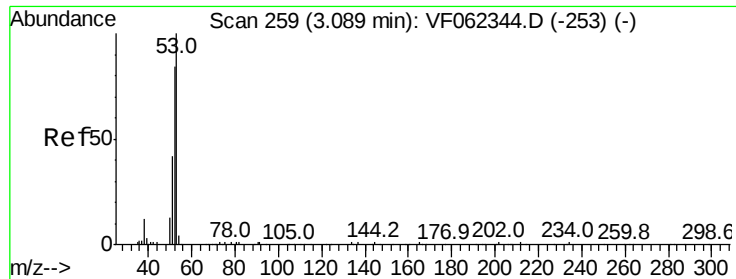
Tot Ion: 56 Resp: 13808
Ion Ratio Lower Upper
56 100
55 89.3 58.4 87.6#



#14
Allyl chloride
Concen: 25.052 ug/l
RT: 2.19 min Scan# 168
Delta R.T. -0.00 min
Lab File: VF062373.D
Acq: 8 May 2019 13:20

Tgt Ion: 41 Resp: 56110
Ion Ratio Lower Upper
41 100
39 106.2 90.8 136.2
76 23.0 22.2 33.4





#15

Acrylonitrile

Concen: 107.094 ug/l

RT: 3.08 min Scan# 258

Delta R.T. -0.01 min

Lab File: VF062373.D

Acq: 8 May 2019 13:20

Instrument :

MSVOA_F

ClientSampleId :

VF0508SBS01

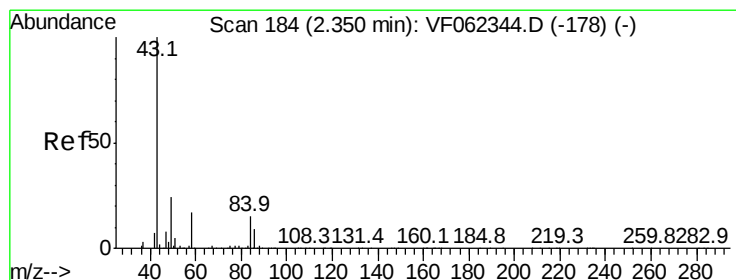
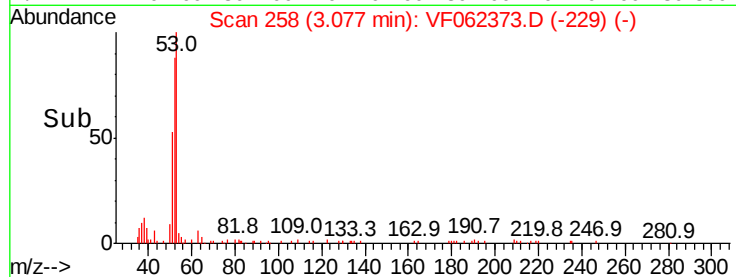
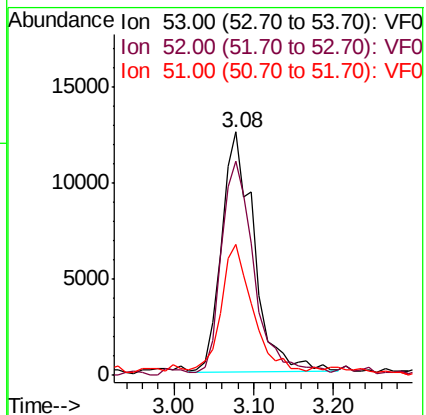
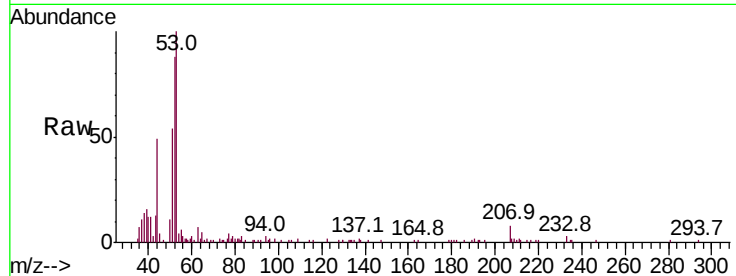
Tot Ion: 53 Resp: 35832

Ion Ratio Lower Upper

53 100

52 91.4 77.2 115.8

51 53.6 40.6 61.0



#16

Acetone

Concen: 102.248 ug/l

RT: 2.35 min Scan# 184

Delta R.T. -0.00 min

Lab File: VF062373.D

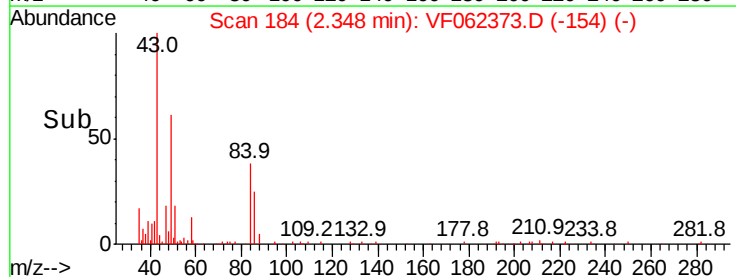
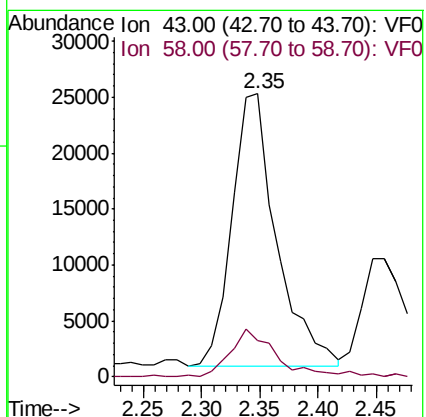
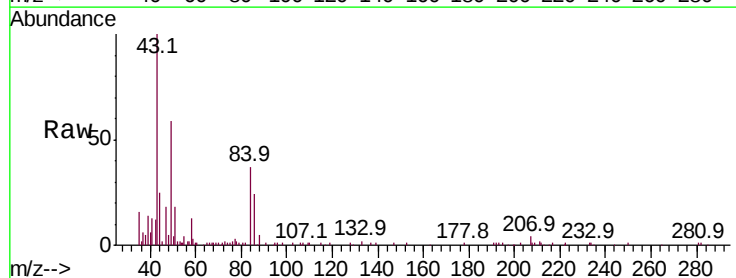
Acq: 8 May 2019 13:20

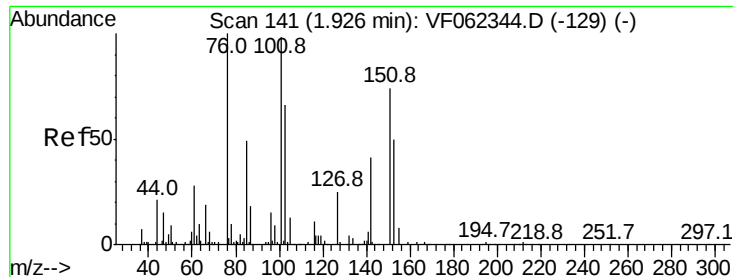
Tgt Ion: 43 Resp: 64643

Ion Ratio Lower Upper

43 100

58 12.5 13.1 19.7#

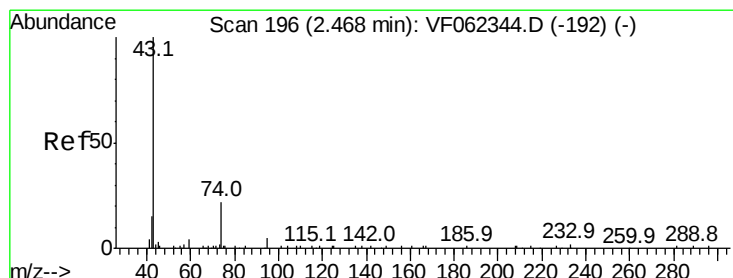
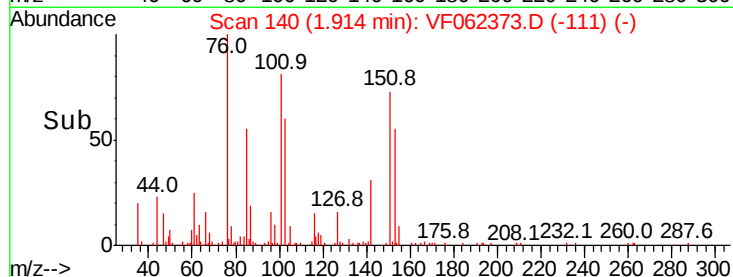
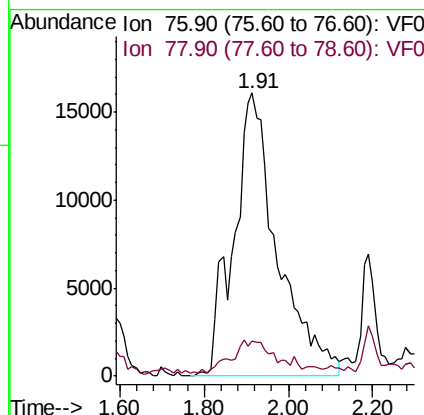
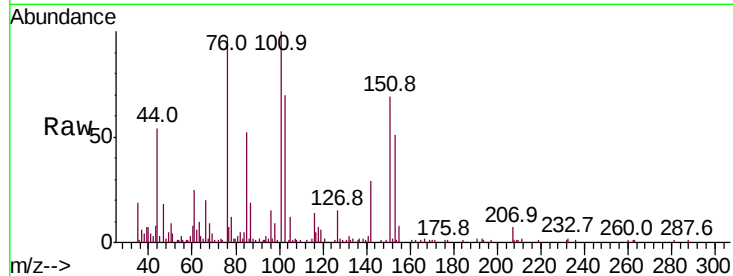




#17
Carbon Disulfide
Concen: 21.069 ug/l m
RT: 1.91 min Scan# 140
Delta R.T. -0.01 min
Lab File: VF062373.D
Acq: 8 May 2019 13:20

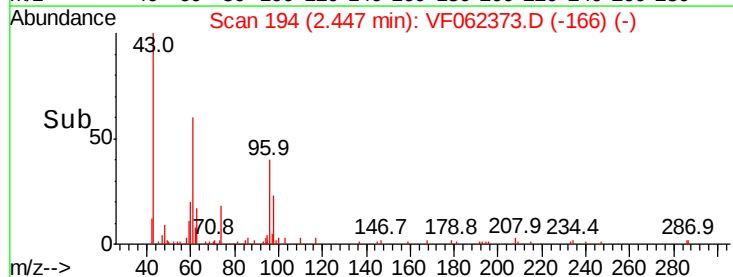
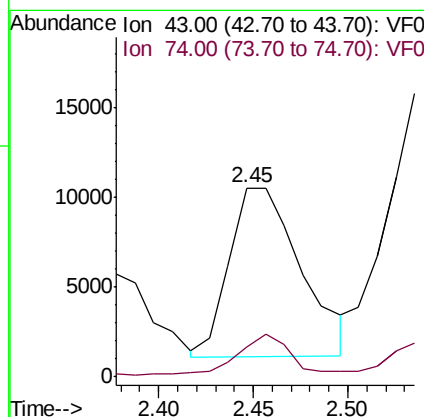
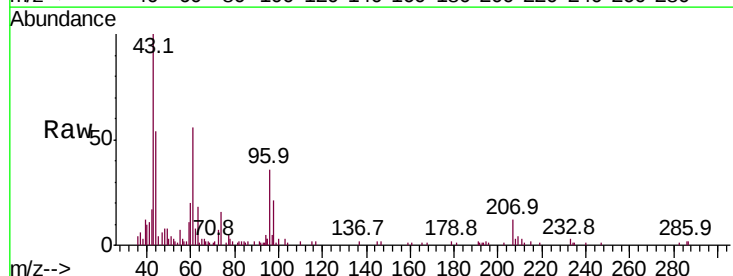
Instrument :
MSVOA_F
ClientSampleId :
VF0508SBS01

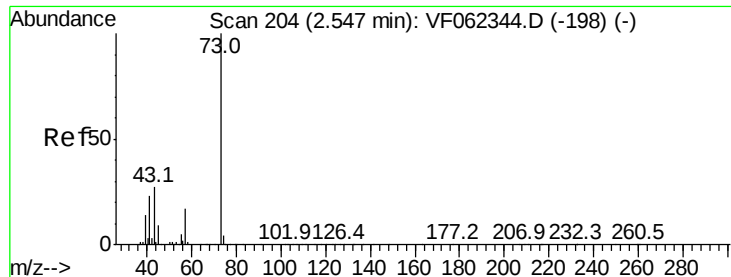
Tot Ion: 76 Resp: 116481
Ion Ratio Lower Upper
76 100
78 12.5 9.0 13.4



#18
Methyl Acetate
Concen: 19.441 ug/l
RT: 2.45 min Scan# 194
Delta R.T. -0.02 min
Lab File: VF062373.D
Acq: 8 May 2019 13:20

Tgt Ion: 43 Resp: 24622
Ion Ratio Lower Upper
43 100
74 20.5 15.0 22.4



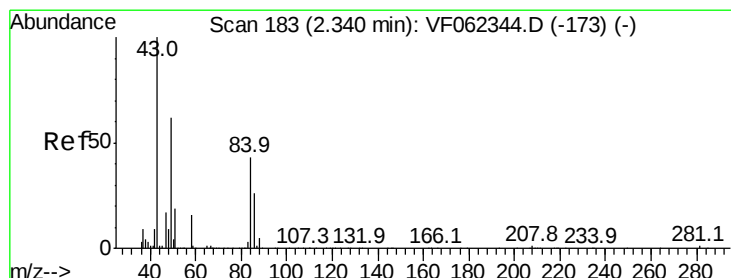
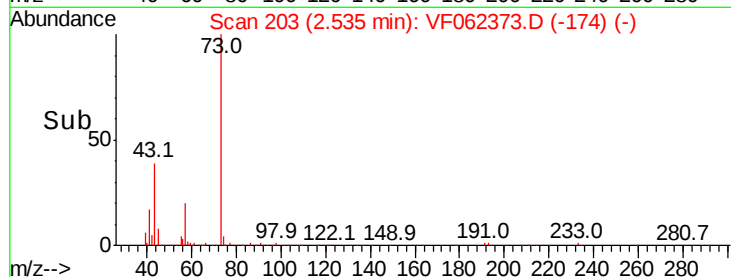
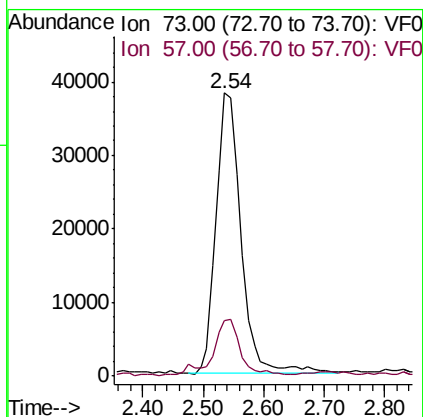
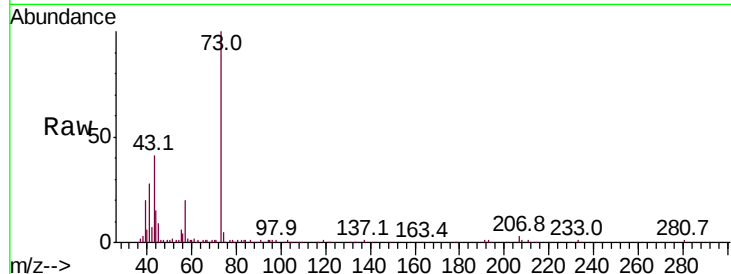


#19

Methyl tert-butyl Ether
 Concen: 20.935 ug/l
 RT: 2.54 min Scan# 203
 Delta R.T. -0.01 min
 Lab File: VF062373.D
 Acq: 8 May 2019 13:20

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0508SBS01

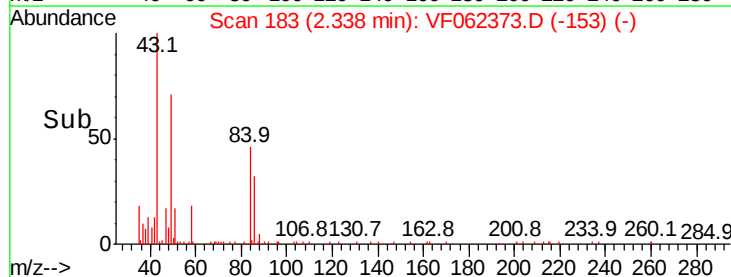
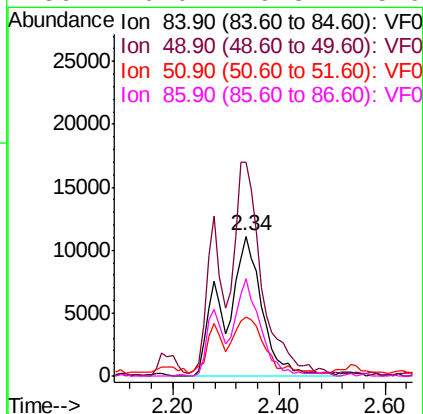
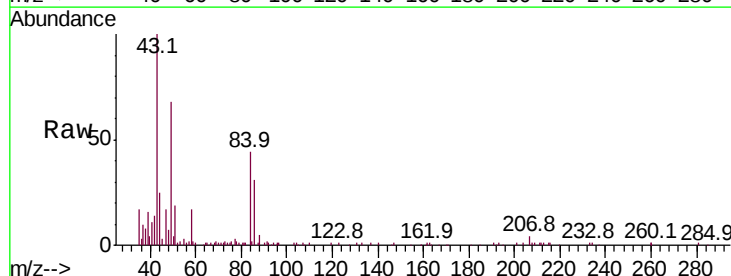
Tot Ion: 73 Resp: 109570
 Ion Ratio Lower Upper
 73 100
 57 18.8 13.7 20.5

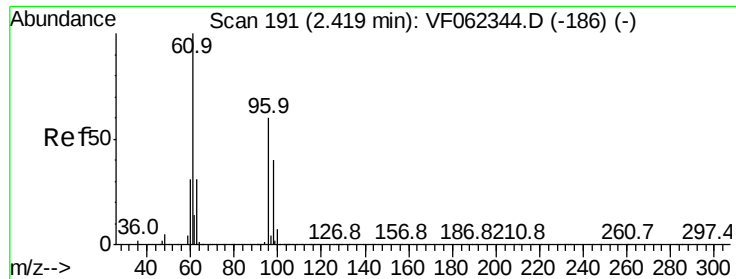


#20

Methylene Chloride
 Concen: 24.118 ug/l m
 RT: 2.34 min Scan# 183
 Delta R.T. -0.00 min
 Lab File: VF062373.D
 Acq: 8 May 2019 13:20

Tgt Ion: 84 Resp: 55166
 Ion Ratio Lower Upper
 84 100
 49 152.7 117.5 176.3
 51 42.0 37.0 55.4
 86 70.0 49.3 73.9





#21

trans-1,2-Dichloroethene

Concen: 18.991 ug/l

RT: 2.42 min Scan# 191

Delta R.T. -0.00 min

Lab File: VF062373.D

Acq: 8 May 2019 13:20

Instrument :

MSVOA_F

ClientSampleId :

VF0508SBS01

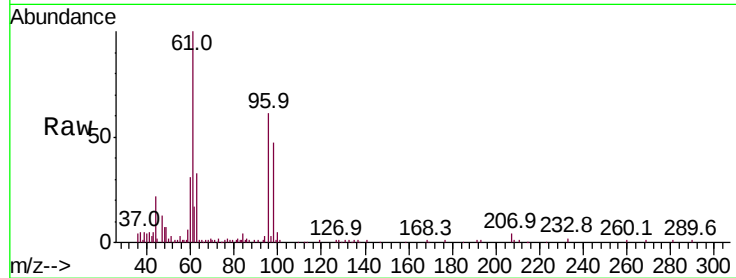
Tot Ion: 96 Resp: 45875

Ion Ratio Lower Upper

96 100

61 165.9 133.2 199.8

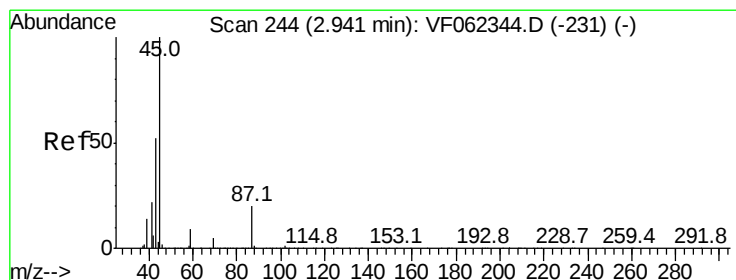
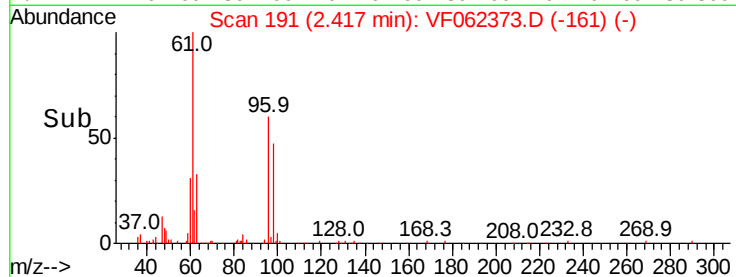
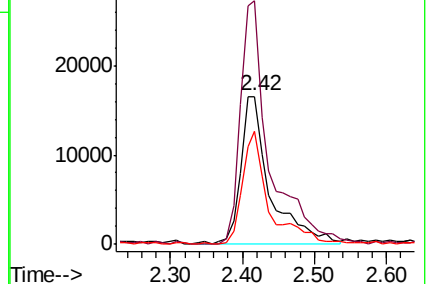
98 77.2 53.1 79.7



Abundance Ion 95.90 (95.60 to 96.60): VF0

Ion 60.90 (60.60 to 61.60): VF0

Ion 97.90 (97.60 to 98.60): VF0



#22

Diisopropyl ether

Concen: 21.486 ug/l

RT: 2.93 min Scan# 243

Delta R.T. -0.01 min

Lab File: VF062373.D

Acq: 8 May 2019 13:20

Tgt Ion: 45 Resp: 150403

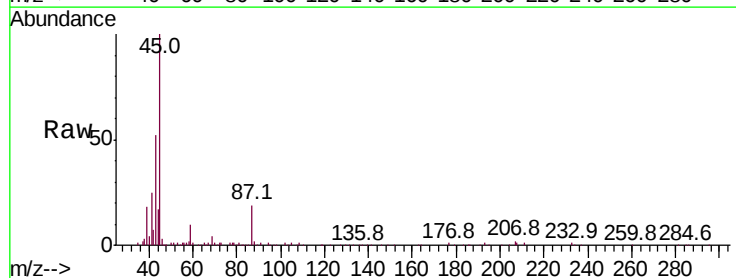
Ion Ratio Lower Upper

45 100

43 51.3 41.4 62.0

87 19.5 15.8 23.6

59 9.4 7.2 10.8

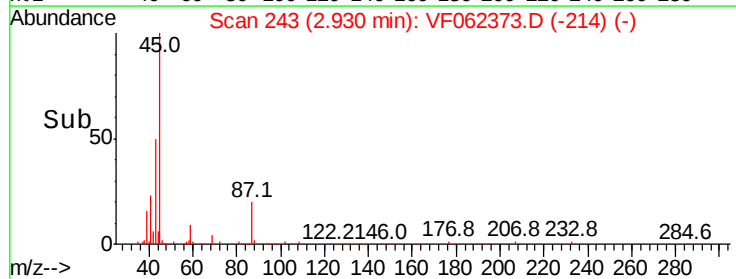
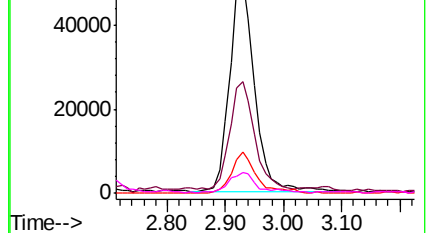


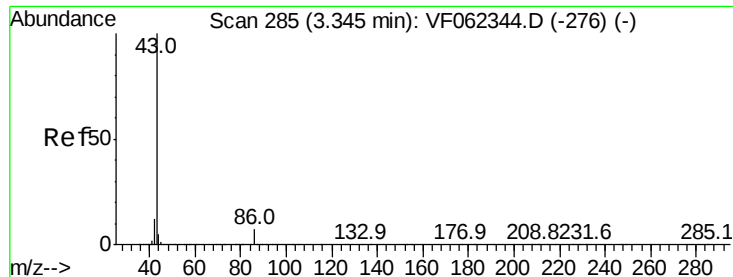
Abundance Ion 45.00 (44.70 to 45.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

Ion 59.00 (58.70 to 59.70): VF0





#23

Vinyl Acetate

Concen: 105.423 ug/l

RT: 3.33 min Scan# 284

Delta R.T. -0.01 min

Lab File: VF062373.D

Acq: 8 May 2019 13:20

Instrument :

MSVOA_F

ClientSampleId :

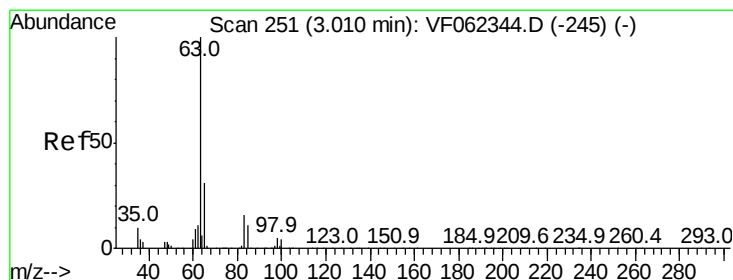
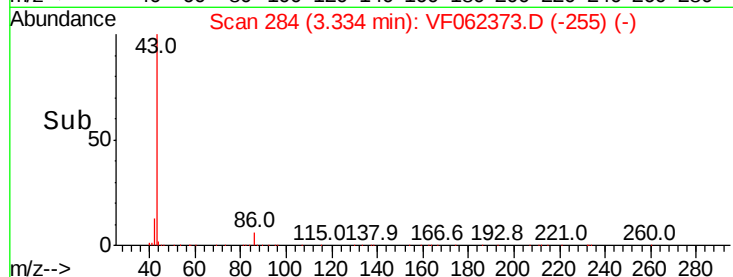
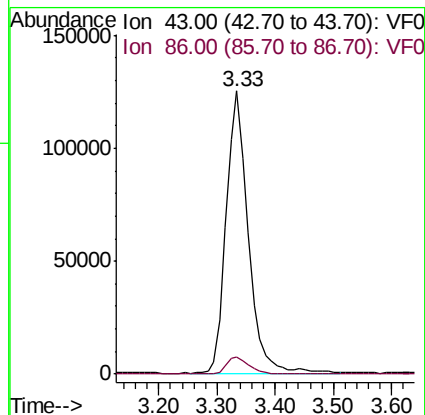
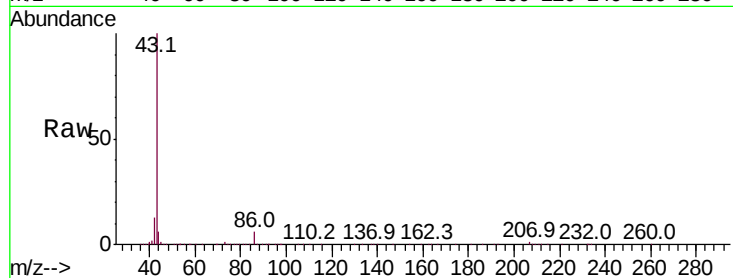
VF0508SBS01

Tot Ion: 43 Resp: 328903

Ion Ratio Lower Upper

43 100

86 6.2 5.7 8.5



#24

1,1-Dichloroethane

Concen: 21.216 ug/l

RT: 3.00 min Scan# 250

Delta R.T. -0.01 min

Lab File: VF062373.D

Acq: 8 May 2019 13:20

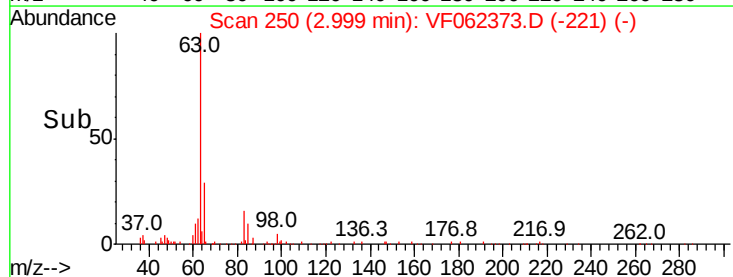
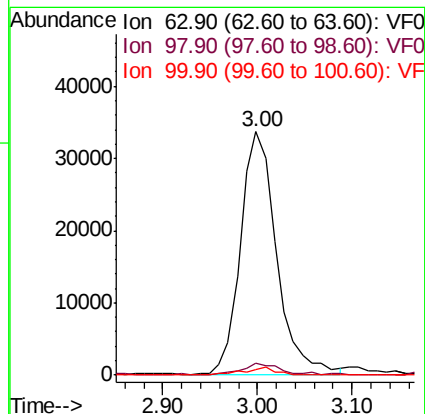
Tgt Ion: 63 Resp: 89757

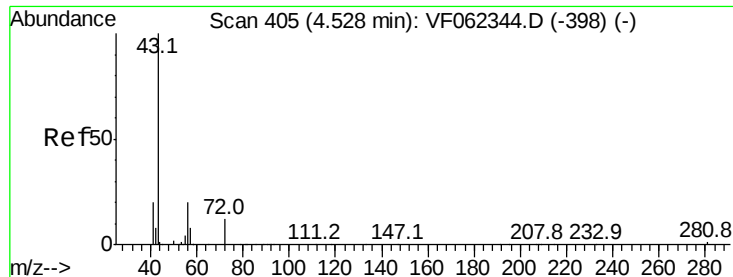
Ion Ratio Lower Upper

63 100

98 4.7 2.6 8.0

100 2.5 1.8 5.4





#25

2-Butanone

Concen: 113.062 ug/l

RT: 4.51 min Scan# 403

Delta R.T. -0.02 min

Lab File: VF062373.D

Acq: 8 May 2019 13:20

Instrument :

MSVOA_F

ClientSampleId :

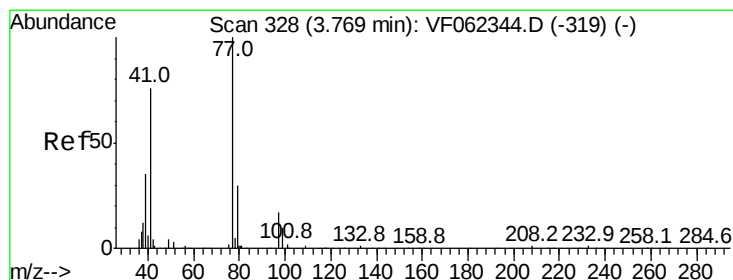
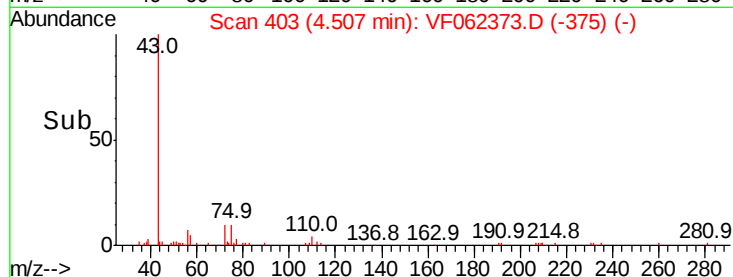
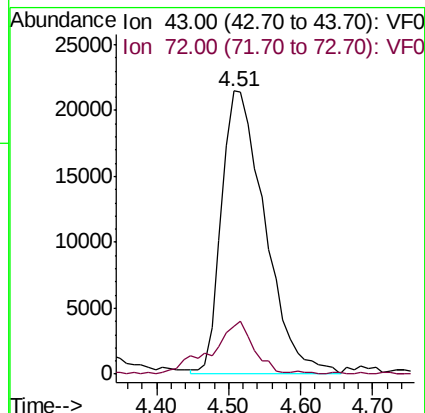
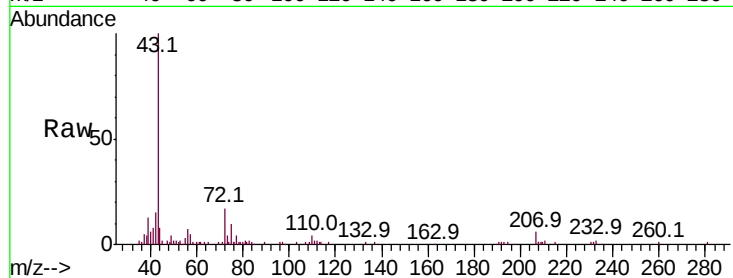
VF0508SBS01

Tot Ion: 43 Resp: 89802

Ion Ratio Lower Upper

43 100

72 16.4 14.2 21.4



#26

2,2-Dichloropropane

Concen: 21.914 ug/l

RT: 3.76 min Scan# 327

Delta R.T. -0.01 min

Lab File: VF062373.D

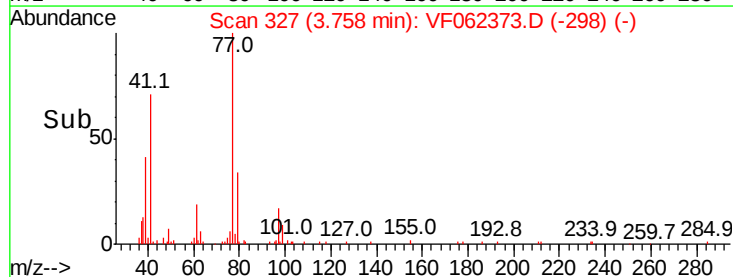
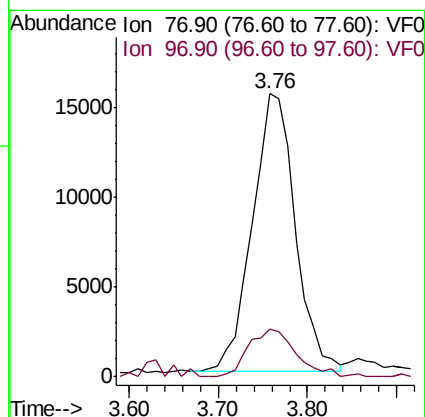
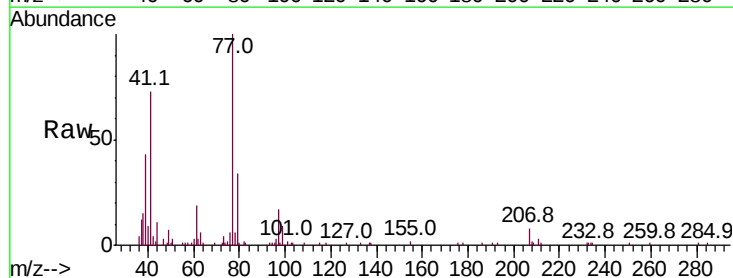
Acq: 8 May 2019 13:20

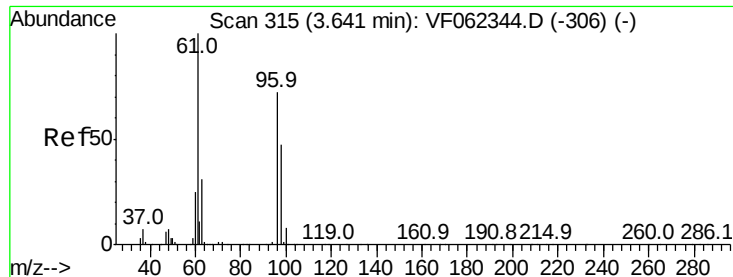
Tgt Ion: 77 Resp: 51775

Ion Ratio Lower Upper

77 100

97 19.1 9.5 28.5





#27

cis-1,2-Dichloroethene

Concen: 19.853 ug/l

RT: 3.64 min Scan# 315

Delta R.T. -0.00 min

Lab File: VF062373.D

Acq: 8 May 2019 13:20

Instrument :

MSVOA_F

ClientSampleId :

VF0508SBS01

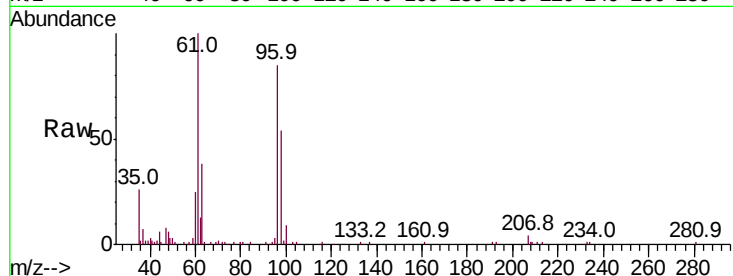
Tot Ion: 96 Resp: 59948

Ion Ratio Lower Upper

96 100

61 137.1 0.0 263.0

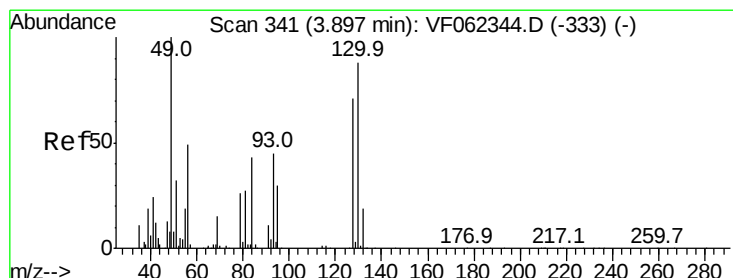
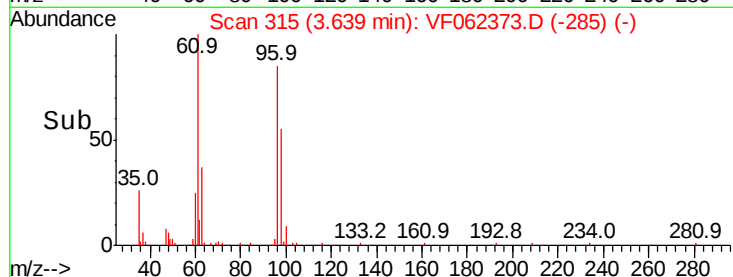
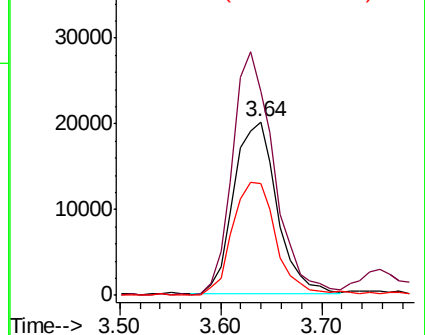
98 66.9 0.0 130.8



Abundance Ion 95.90 (95.60 to 96.60): VF0

Ion 60.90 (60.60 to 61.60): VF0

Ion 97.90 (97.60 to 98.60): VF0



#28

Bromochloromethane

Concen: 19.781 ug/l

RT: 3.89 min Scan# 340

Delta R.T. -0.01 min

Lab File: VF062373.D

Acq: 8 May 2019 13:20

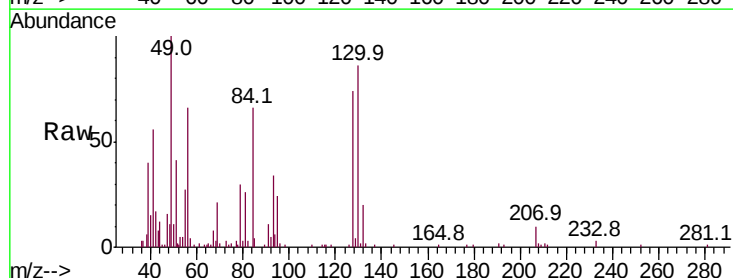
Tgt Ion: 49 Resp: 37954

Ion Ratio Lower Upper

49 100

129 3.3 0.0 2.2#

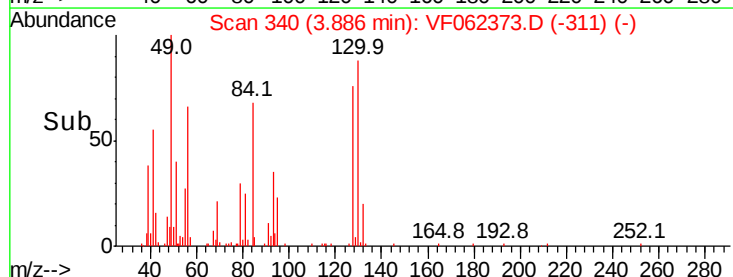
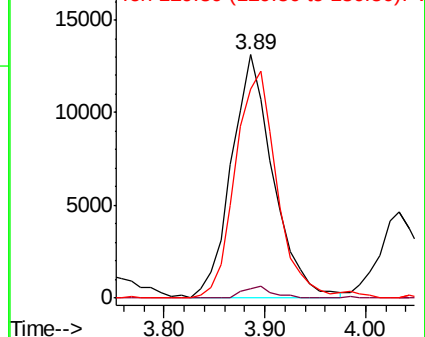
130 92.6 79.4 119.0

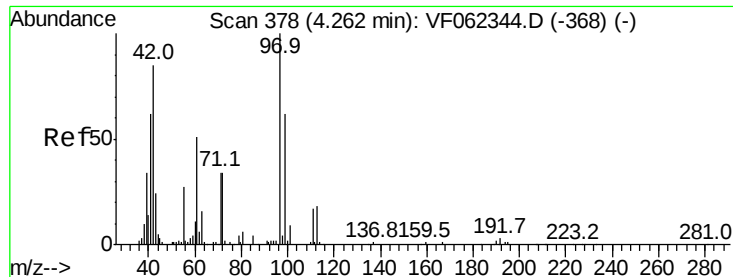


Abundance Ion 48.90 (48.60 to 49.60): VF0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 102.995 ug/l

RT: 4.26 min Scan# 378

Delta R.T. -0.00 min

Lab File: VF062373.D

Acq: 8 May 2019 13:20

Instrument :

MSVOA_F

ClientSampleId :

VF0508SBS01

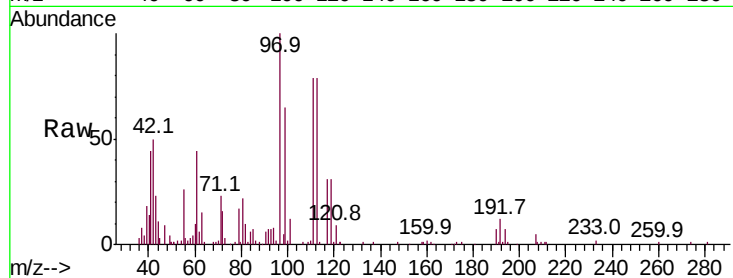
Tot Ion: 42 Resp: 37598

Ion Ratio Lower Upper

42 100

72 37.0 31.4 47.0

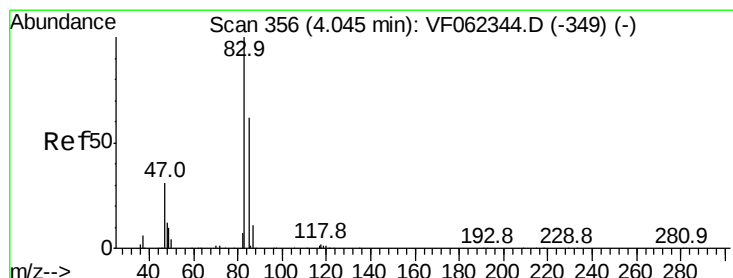
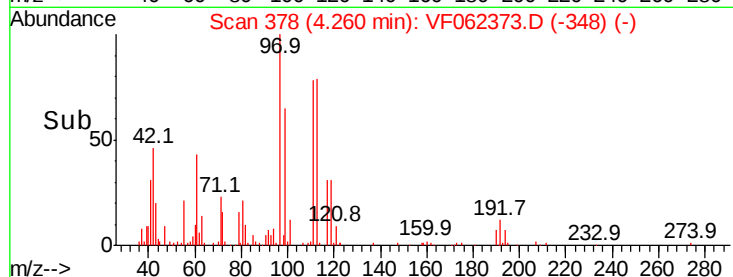
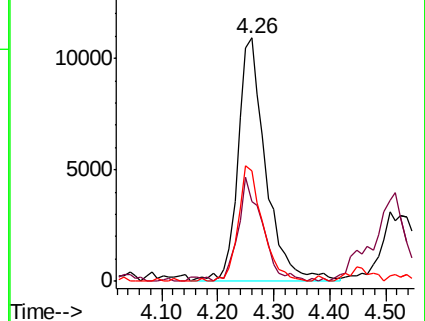
71 41.1 31.7 47.5



Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0



#30

Chloroform

Concen: 21.873 ug/l

RT: 4.03 min Scan# 355

Delta R.T. -0.01 min

Lab File: VF062373.D

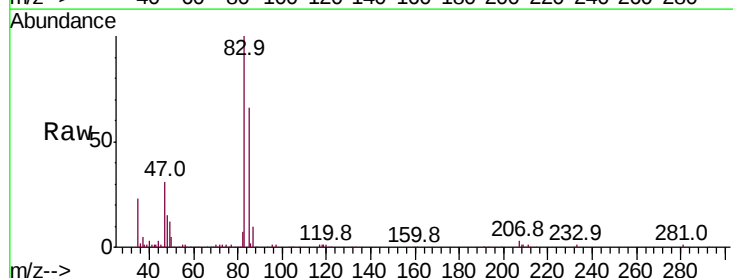
Acq: 8 May 2019 13:20

Tgt Ion: 83 Resp: 125017

Ion Ratio Lower Upper

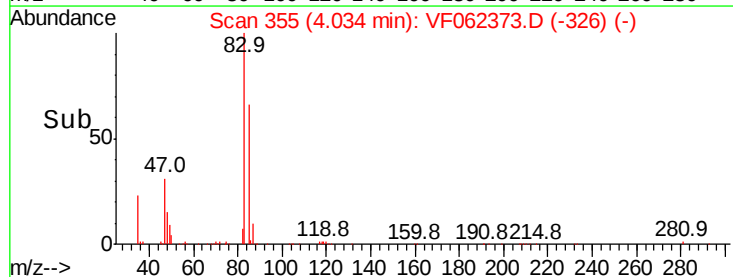
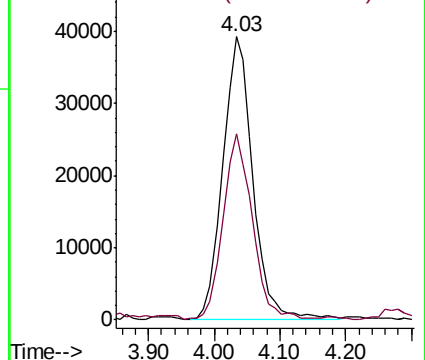
83 100

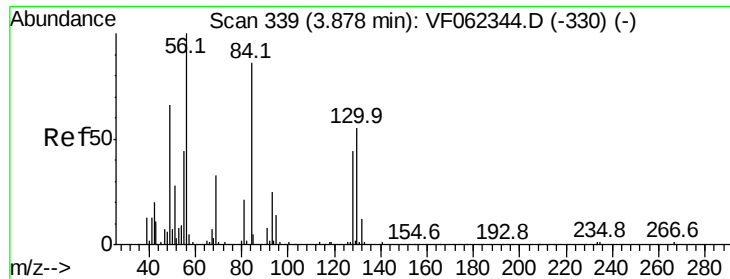
85 64.8 49.6 74.4



Abundance Ion 82.90 (82.60 to 83.60): VF0

Ion 84.90 (84.60 to 85.60): VF0

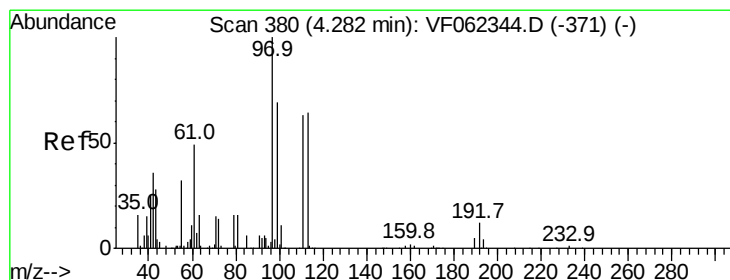
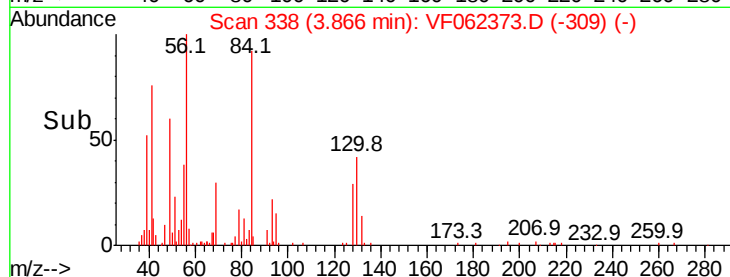
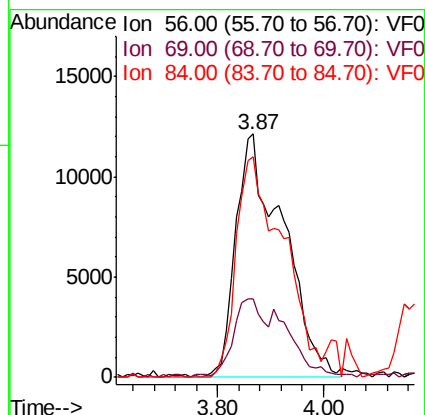
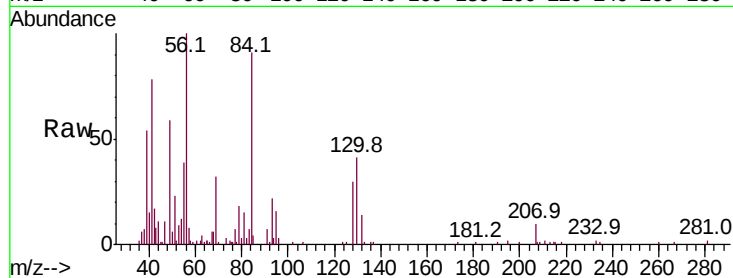




#31
Cyclohexane
Concen: 22.262 ug/l m
RT: 3.87 min Scan# 338
Delta R.T. -0.01 min
Lab File: VF062373.D
Acq: 8 May 2019 13:20

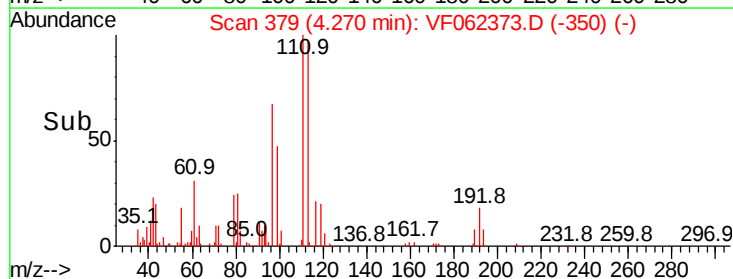
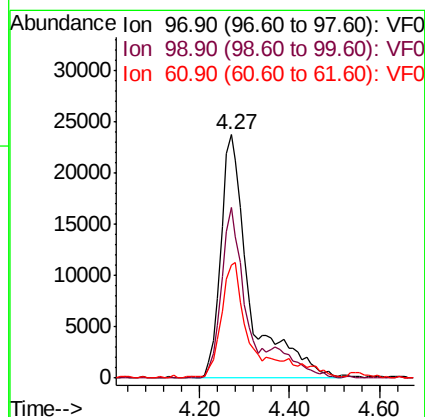
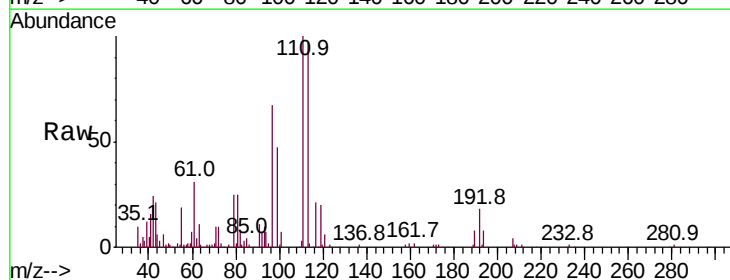
Instrument :
MSVOA_F
ClientSampleId :
VF0508SBS01

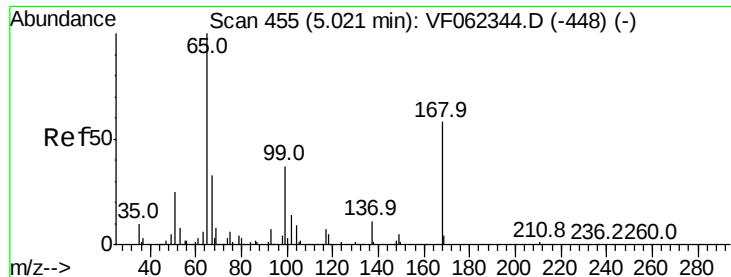
Tot Ion: 56 Resp: 75176
Ion Ratio Lower Upper
56 100
69 32.4 26.4 39.6
84 90.8 69.0 103.6



#32
1,1,1-Trichloroethane
Concen: 21.621 ug/l m
RT: 4.27 min Scan# 379
Delta R.T. -0.01 min
Lab File: VF062373.D
Acq: 8 May 2019 13:20

Tgt Ion: 97 Resp: 105913
Ion Ratio Lower Upper
97 100
99 54.7 52.6 78.8
61 45.9 39.4 59.0

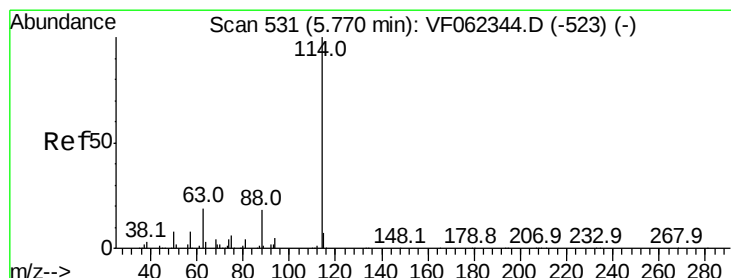
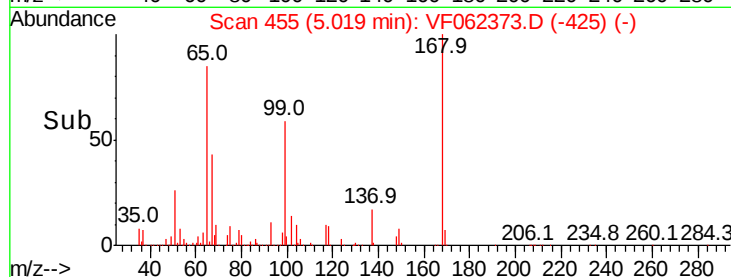
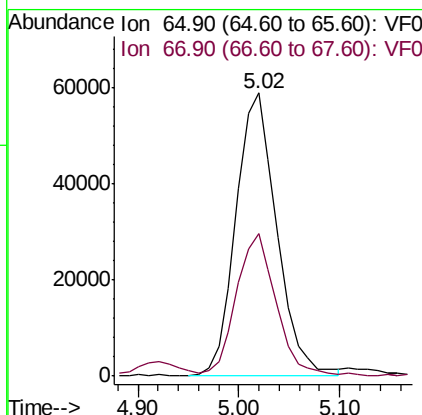
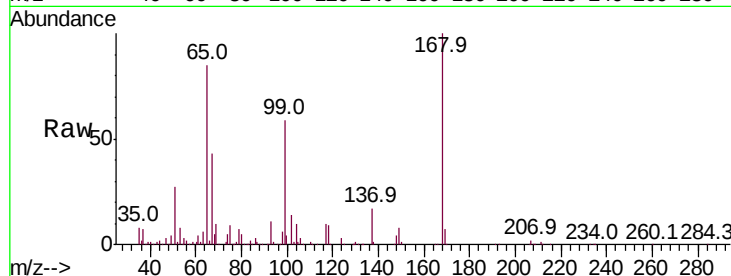




#33
 1,2-Dichloroethane-d4
 Concen: 53.363 ug/l
 RT: 5.02 min Scan# 455
 Delta R.T. -0.00 min
 Lab File: VF062373.D
 Acq: 8 May 2019 13:20

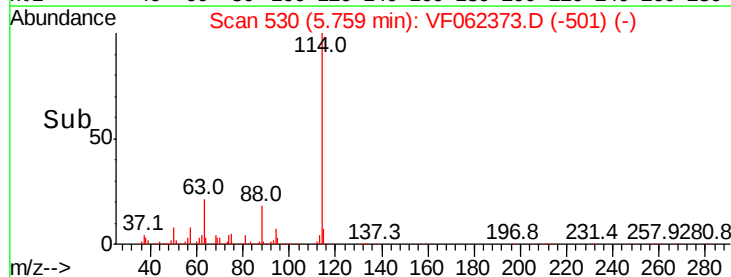
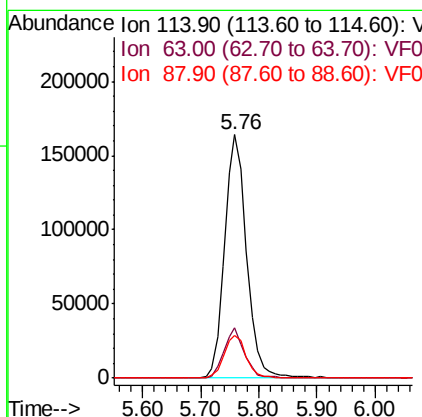
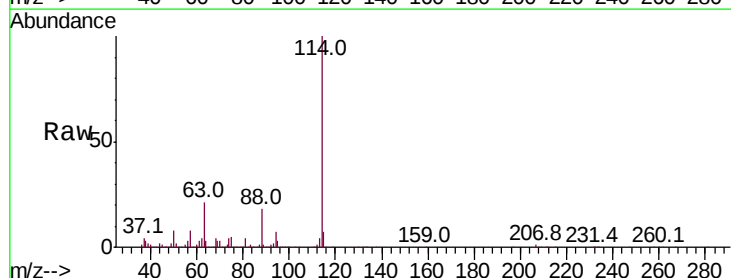
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0508SBS01

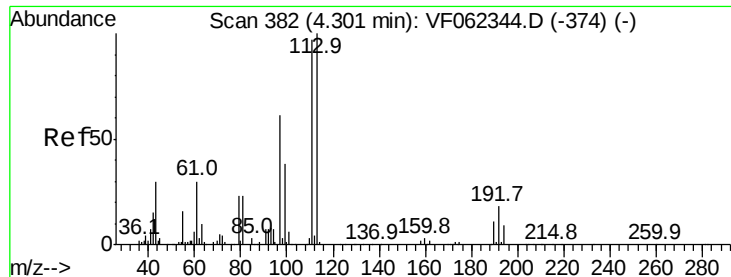
Tot Ion: 65 Resp: 166775
 Ion Ratio Lower Upper
 65 100
 67 48.4 0.0 85.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.76 min Scan# 530
 Delta R.T. -0.01 min
 Lab File: VF062373.D
 Acq: 8 May 2019 13:20

Tgt Ion: 114 Resp: 428788
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 37.4
 88 17.7 0.0 36.4

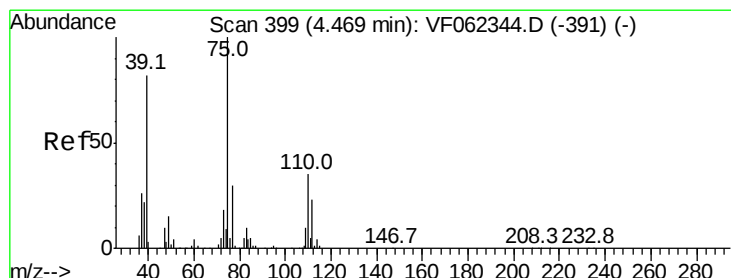
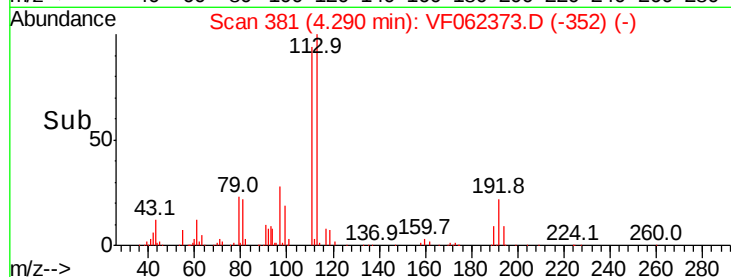
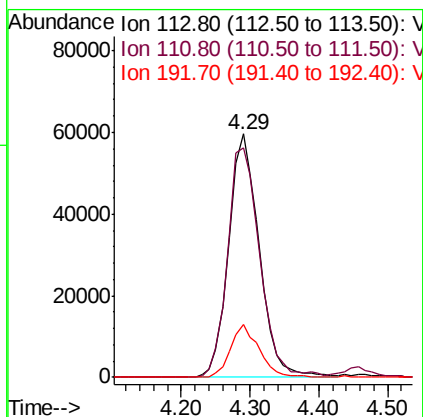
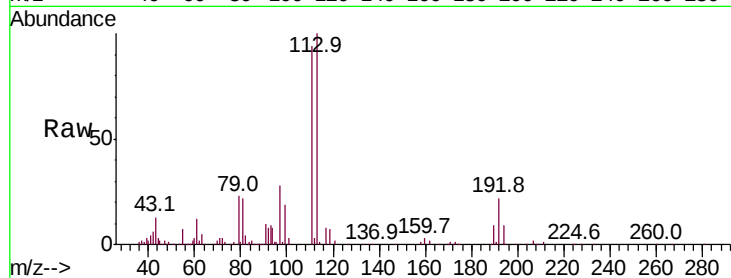




#35
 Dibromofluoromethane
 Concen: 53.768 ug/l
 RT: 4.29 min Scan# 381
 Delta R.T. -0.01 min
 Lab File: VF062373.D
 Acq: 8 May 2019 13:20

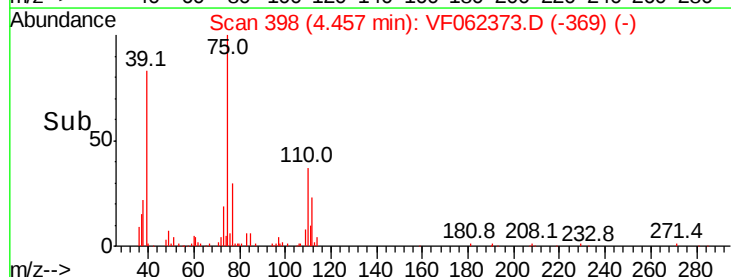
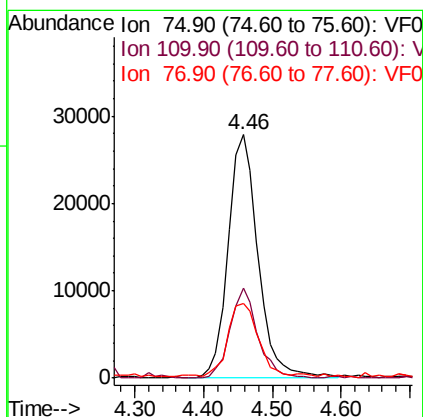
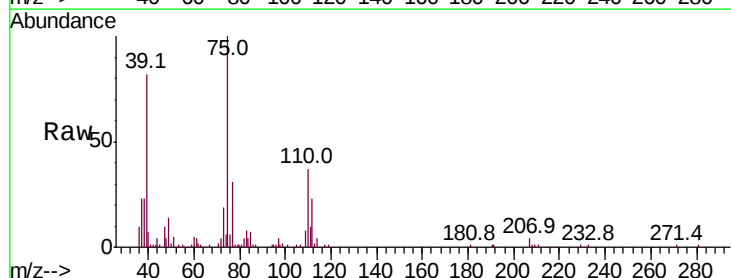
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0508SBS01

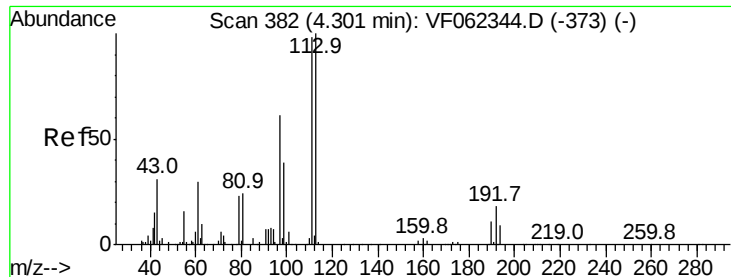
Tot Ion:113 Resp: 183676
 Ion Ratio Lower Upper
 113 100
 111 99.3 79.4 119.0
 192 20.5 16.0 24.0



#36
 1,1-Dichloropropene
 Concen: 22.891 ug/l
 RT: 4.46 min Scan# 398
 Delta R.T. -0.01 min
 Lab File: VF062373.D
 Acq: 8 May 2019 13:20

Tgt Ion: 75 Resp: 84318
 Ion Ratio Lower Upper
 75 100
 110 34.1 17.2 51.5
 77 31.1 25.2 37.8





#37

Ethyl Acetate

Concen: 18.612 ug/l

RT: 4.28 min Scan# 380

Delta R.T. -0.02 min

Lab File: VF062373.D

Acq: 8 May 2019 13:20

Instrument :

MSVOA_F

ClientSampleId :

VF0508SBS01

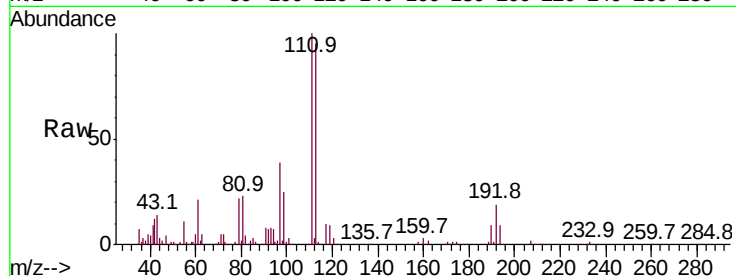
Tot Ion: 43 Resp: 31440

Ion Ratio Lower Upper

43 100

61 154.6 0.0 0.0#

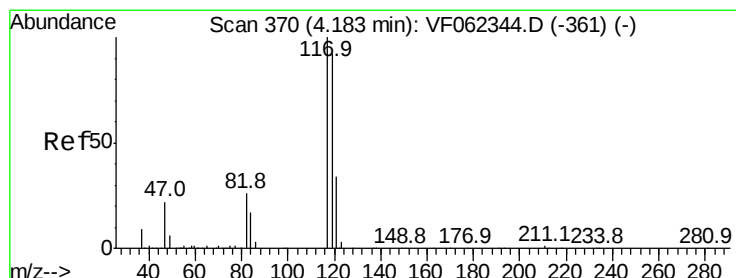
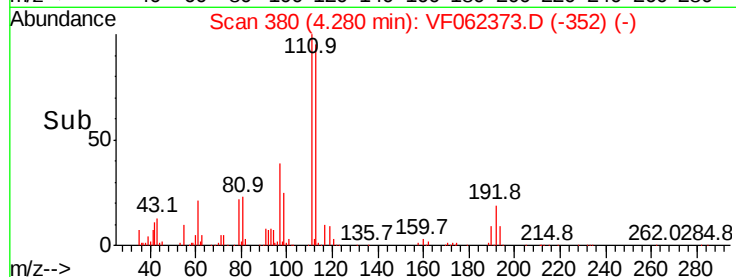
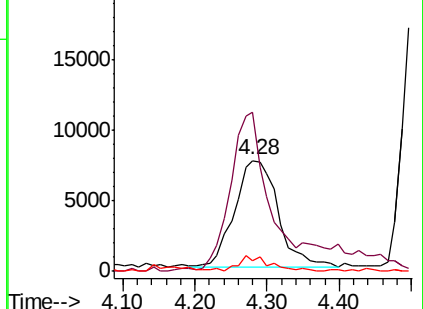
70 10.9 8.2 12.2



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 60.90 (60.60 to 61.60): VF0

Ion 70.00 (69.70 to 70.70): VF0



#38

Carbon Tetrachloride

Concen: 22.019 ug/l

RT: 4.16 min Scan# 368

Delta R.T. -0.02 min

Lab File: VF062373.D

Acq: 8 May 2019 13:20

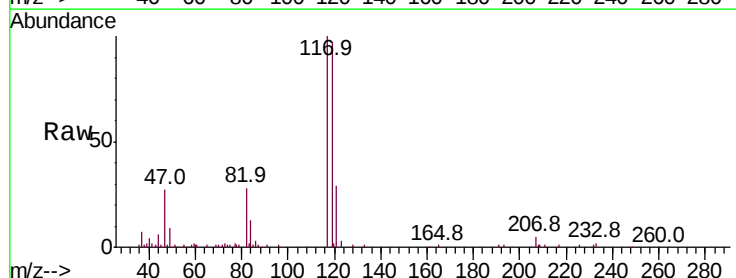
Tgt Ion: 117 Resp: 90069

Ion Ratio Lower Upper

117 100

119 96.6 73.4 110.2

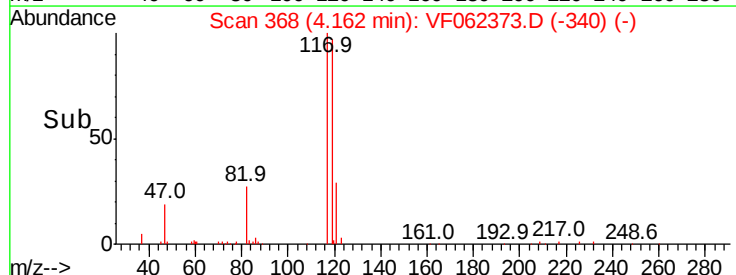
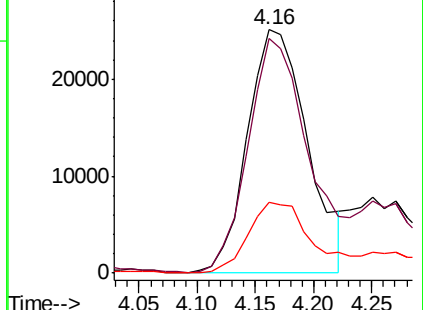
121 28.9 27.4 41.0

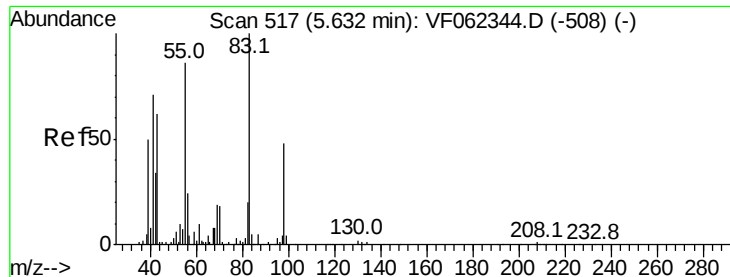


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#39

Methylcyclohexane

Concen: 22.594 ug/l

RT: 5.62 min Scan# 516

Delta R.T. -0.01 min

Lab File: VF062373.D

Acq: 8 May 2019 13:20

Instrument :

MSVOA_F

ClientSampleId :

VF0508SBS01

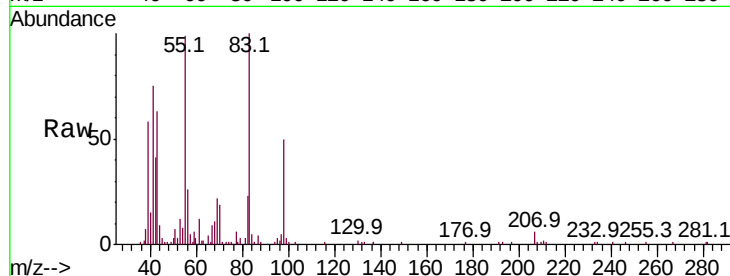
Tot Ion: 83 Resp: 83465

Ion Ratio Lower Upper

83 100

55 98.9 69.0 103.6

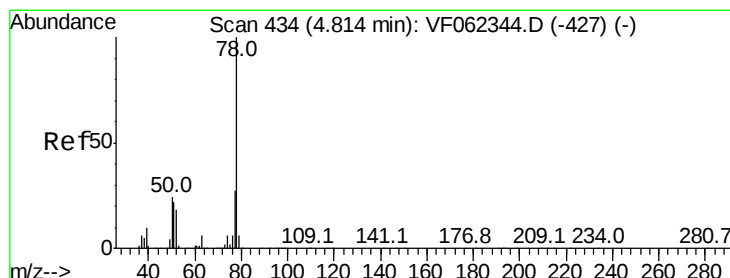
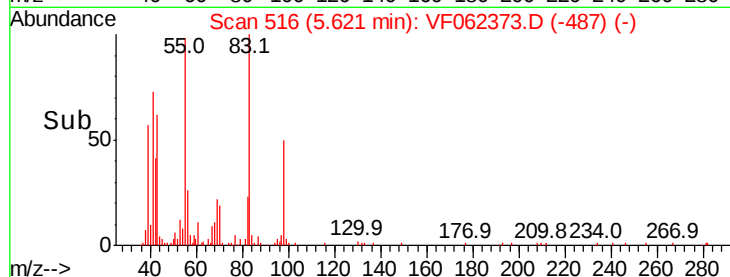
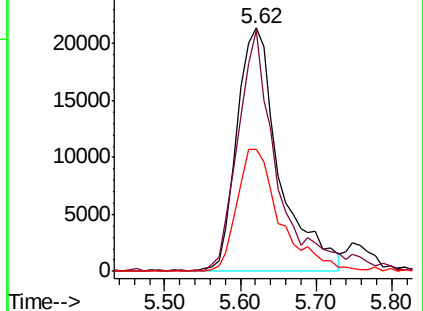
98 49.9 38.6 58.0



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#40

Benzene

Concen: 23.192 ug/l

RT: 4.80 min Scan# 433

Delta R.T. -0.01 min

Lab File: VF062373.D

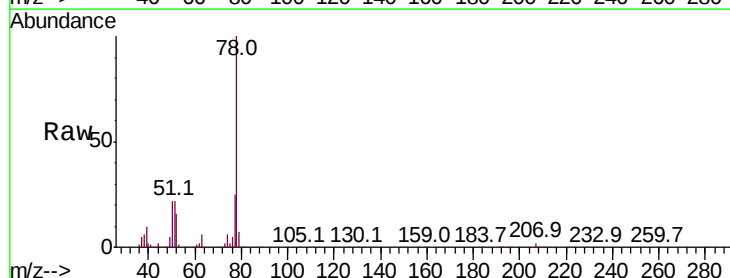
Acq: 8 May 2019 13:20

Tgt Ion: 78 Resp: 188113

Ion Ratio Lower Upper

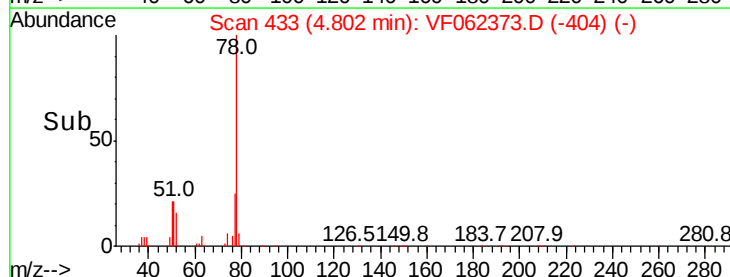
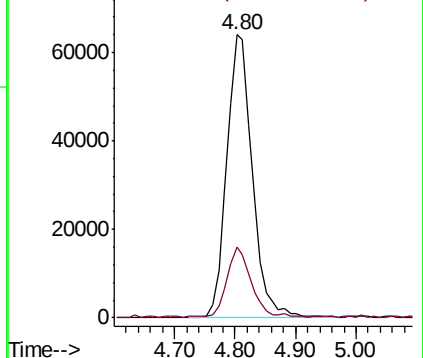
78 100

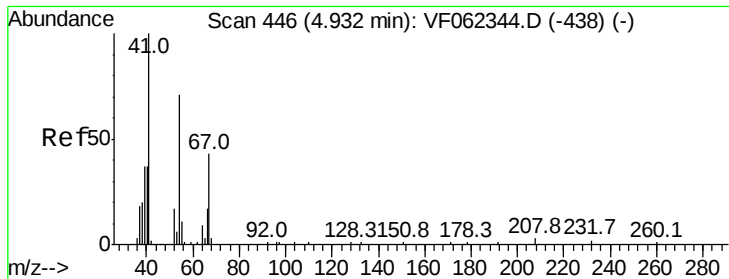
77 24.7 21.6 32.4



Abundance Ion 78.00 (77.70 to 78.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#41

Methacrylonitrile

Concen: 20.169 ug/l

RT: 4.91 min Scan# 444

Delta R.T. -0.02 min

Lab File: VF062373.D

Acq: 8 May 2019 13:20

Instrument :

MSVOA_F

ClientSampleId :

VF0508SBS01

Tot Ion: 41 Resp: 17814

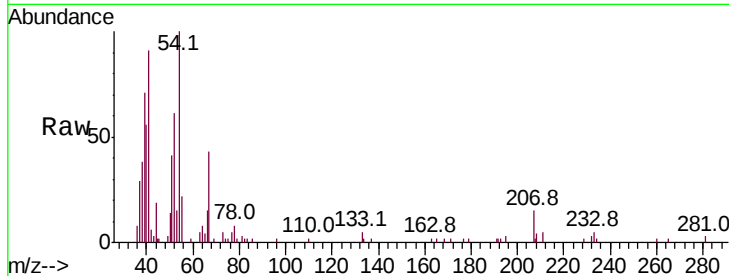
Ion Ratio Lower Upper

41 100

39 77.5 54.3 81.5

67 50.6 37.8 56.8

52 80.7 58.2 87.4

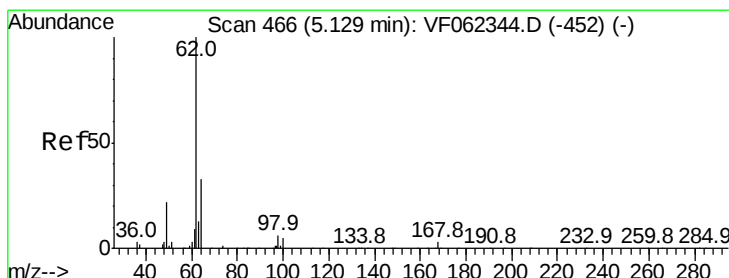
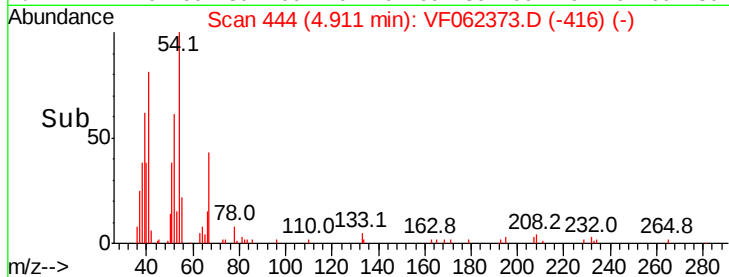
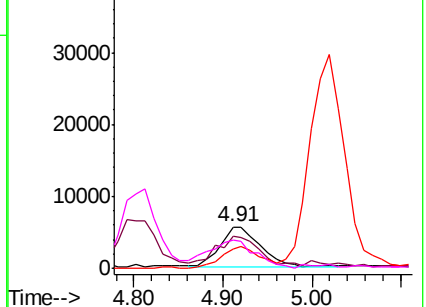


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#42

1,2-Dichloroethane

Concen: 22.358 ug/l

RT: 5.12 min Scan# 465

Delta R.T. -0.01 min

Lab File: VF062373.D

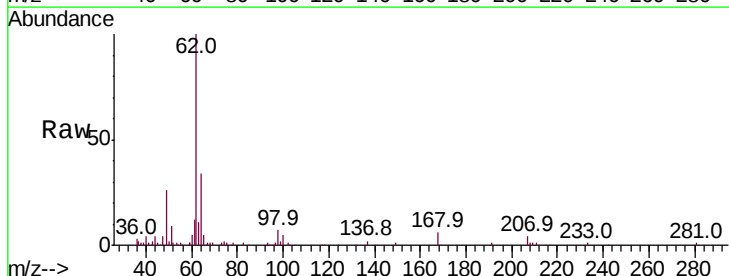
Acq: 8 May 2019 13:20

Tgt Ion: 62 Resp: 75848

Ion Ratio Lower Upper

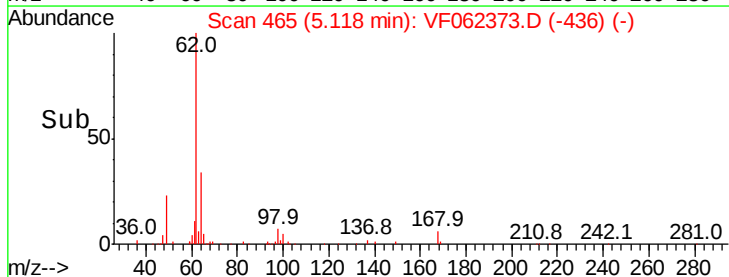
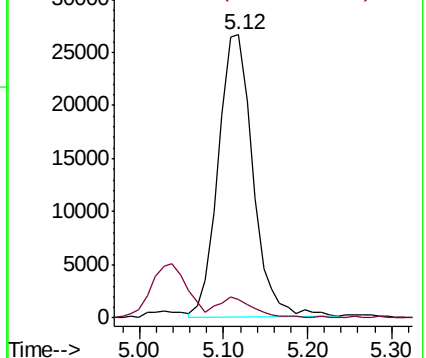
62 100

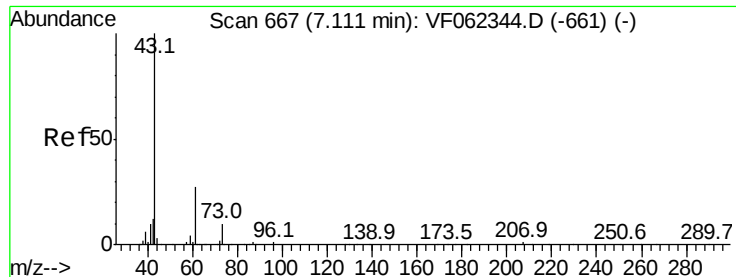
98 7.7 0.0 12.4



Abundance Ion 61.90 (61.60 to 62.60): VF0

Ion 97.90 (97.60 to 98.60): VF0



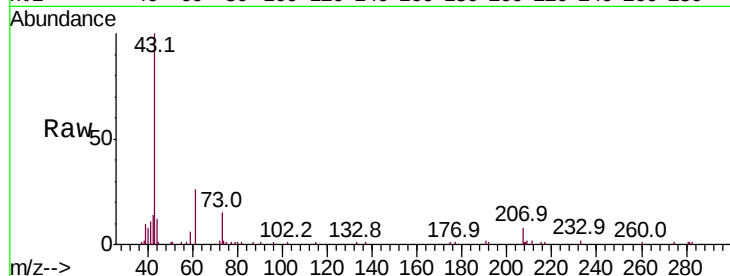


#43

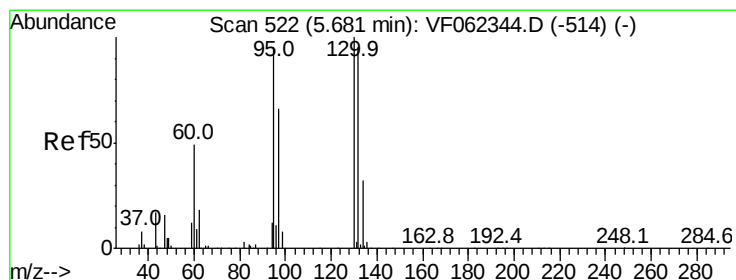
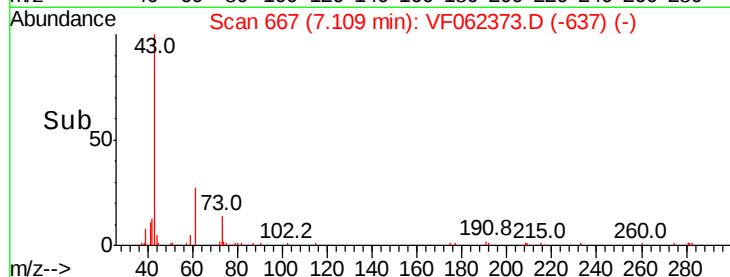
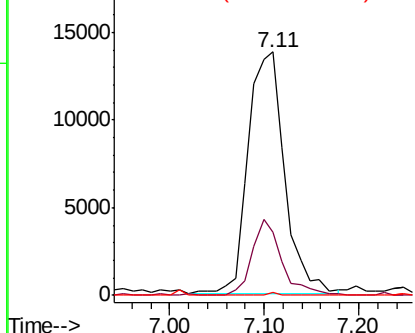
Isopropyl Acetate
 Concen: 22.030 ug/l
 RT: 7.11 min Scan# 667
 Delta R.T. -0.00 min
 Lab File: VF062373.D
 Acq: 8 May 2019 13:20

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0508SBS01

Tot Ion: 43 Resp: 36909
 Ion Ratio Lower Upper
 43 100
 61 25.5 22.8 34.2
 87 0.2 0.6 1.0#



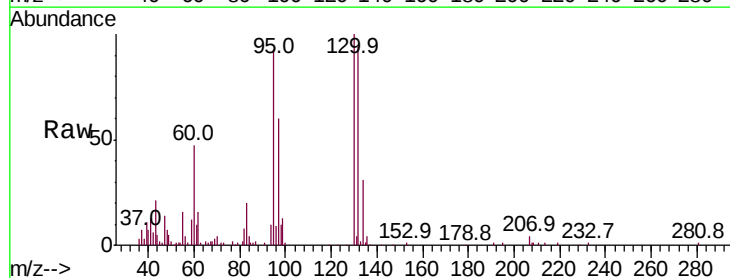
Abundance Ion 43.00 (42.70 to 43.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 87.00 (86.70 to 87.70): VF0



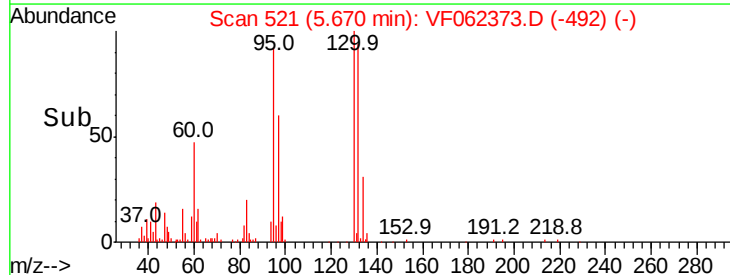
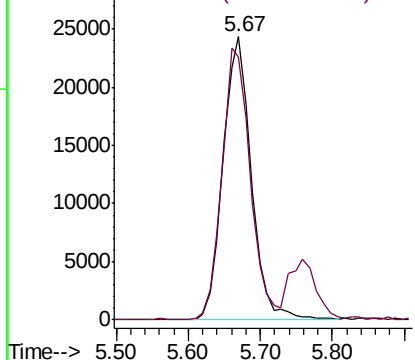
#44

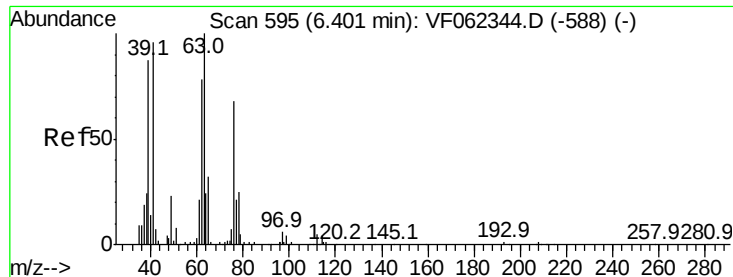
Trichloroethene
 Concen: 22.133 ug/l
 RT: 5.67 min Scan# 521
 Delta R.T. -0.01 min
 Lab File: VF062373.D
 Acq: 8 May 2019 13:20

Tgt Ion: 130 Resp: 65948
 Ion Ratio Lower Upper
 130 100
 95 93.1 0.0 189.0



Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 22.609 ug/l

RT: 6.39 min Scan# 594

Delta R.T. -0.01 min

Lab File: VF062373.D

Acq: 8 May 2019 13:20

Instrument :

MSVOA_F

ClientSampleId :

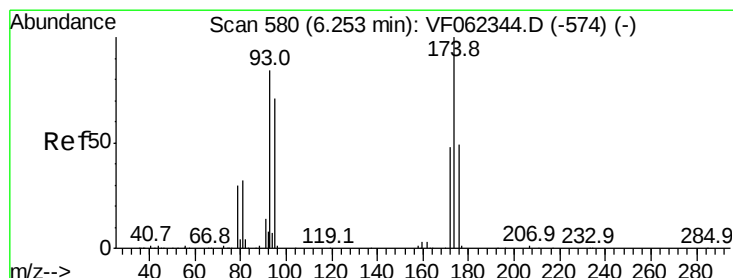
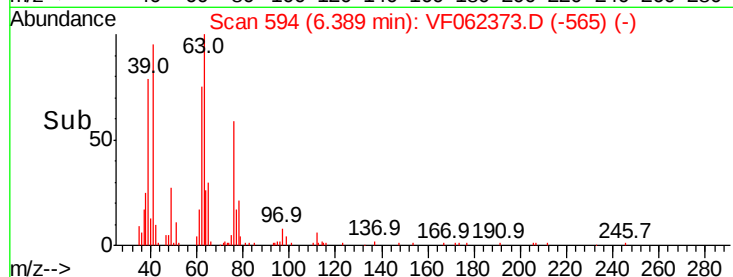
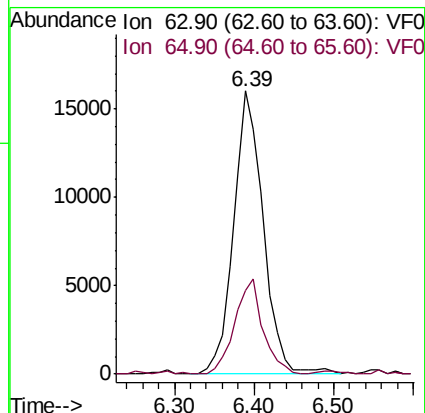
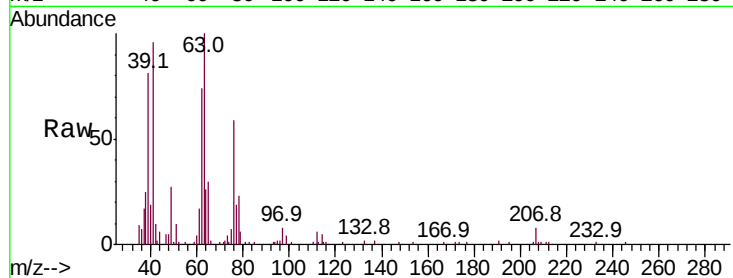
VF0508SBS01

Tot Ion: 63 Resp: 41538

Ion Ratio Lower Upper

63 100

65 29.6 25.6 38.4



#46

Dibromomethane

Concen: 22.330 ug/l

RT: 6.24 min Scan# 579

Delta R.T. -0.01 min

Lab File: VF062373.D

Acq: 8 May 2019 13:20

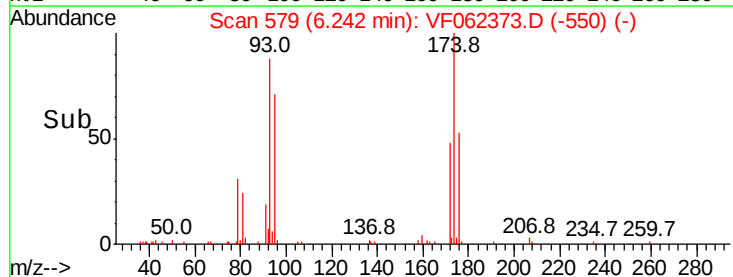
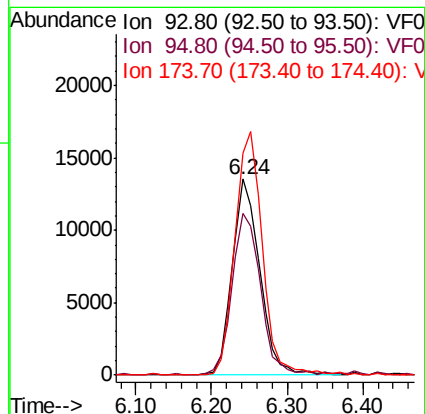
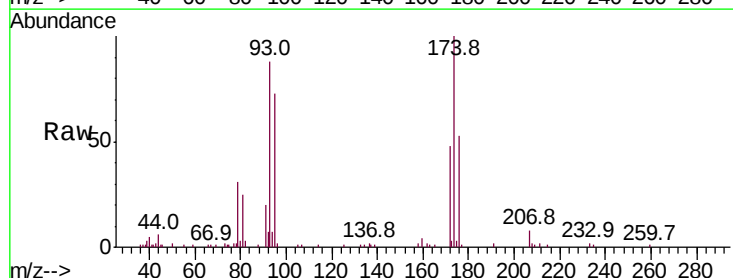
Tgt Ion: 93 Resp: 34015

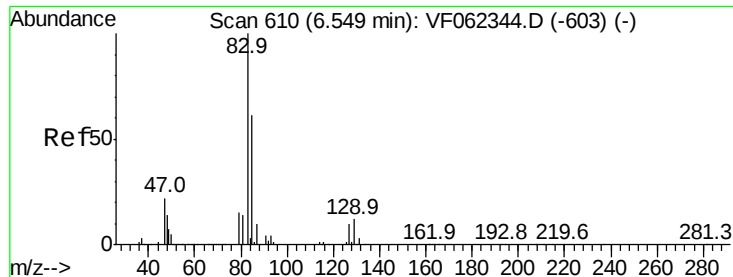
Ion Ratio Lower Upper

93 100

95 84.9 68.4 102.6

174 124.1 99.6 149.4





#47

Bromodichloromethane

Concen: 22.237 ug/l

RT: 6.54 min Scan# 609

Delta R.T. -0.01 min

Lab File: VF062373.D

Acq: 8 May 2019 13:20

Instrument :

MSVOA_F

ClientSampleId :

VF0508SBS01

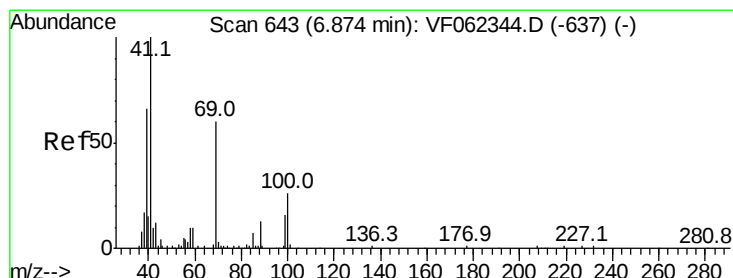
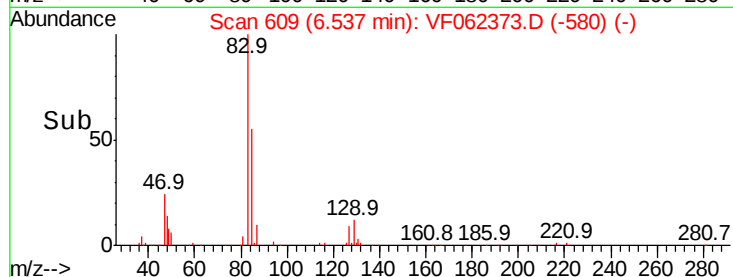
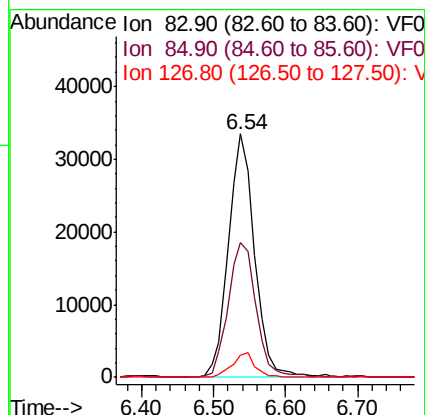
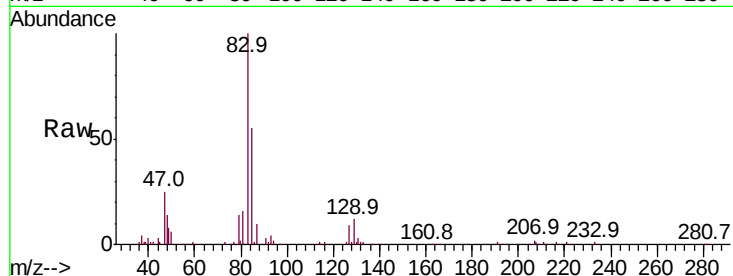
Tot Ion: 83 Resp: 84687

Ion Ratio Lower Upper

83 100

85 55.5 49.1 73.7

127 8.9 7.8 11.8



#48

Methyl methacrylate

Concen: 21.536 ug/l

RT: 6.86 min Scan# 642

Delta R.T. -0.01 min

Lab File: VF062373.D

Acq: 8 May 2019 13:20

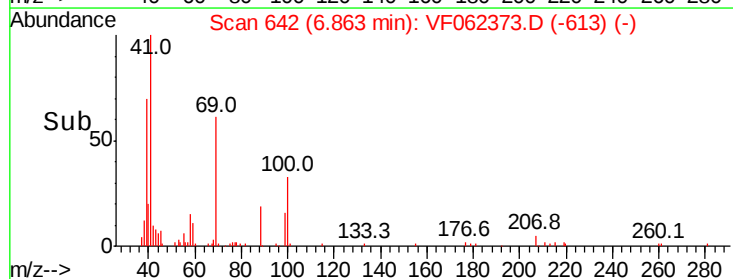
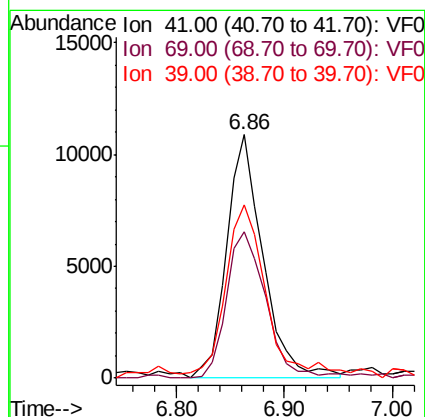
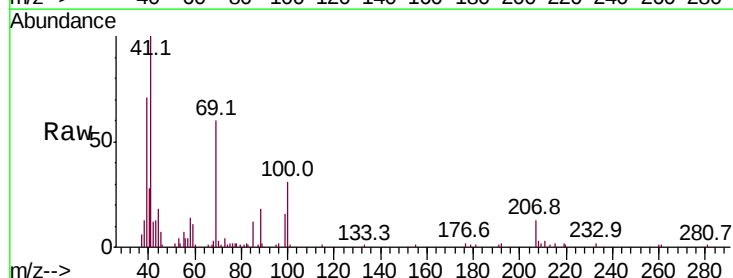
Tgt Ion: 41 Resp: 25499

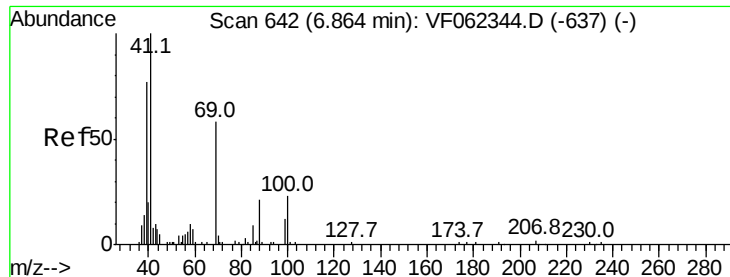
Ion Ratio Lower Upper

41 100

69 65.1 48.6 72.8

39 82.4 56.1 84.1





#49

1,4-Dioxane

Concen: 435.002 ug/l

RT: 6.86 min Scan# 642

Delta R.T. -0.00 min

Lab File: VF062373.D

Acq: 8 May 2019 13:20

Instrument :

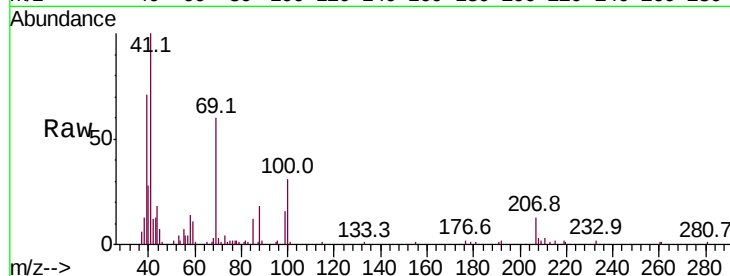
MSVOA_F

ClientSampleId :

VF0508SBS01

Tot Ion: 88 Resp: 5387

Ion	Ratio	Lower	Upper
88	100		
43	64.9	55.6	83.4
58	65.2	52.8	79.2

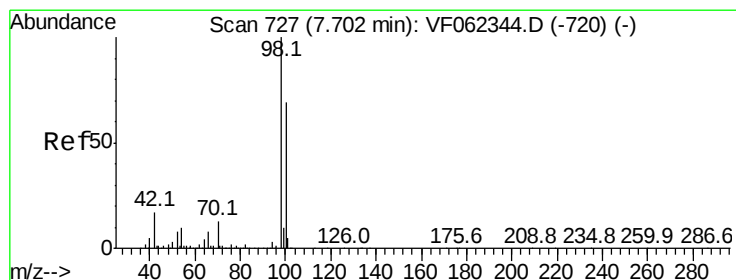
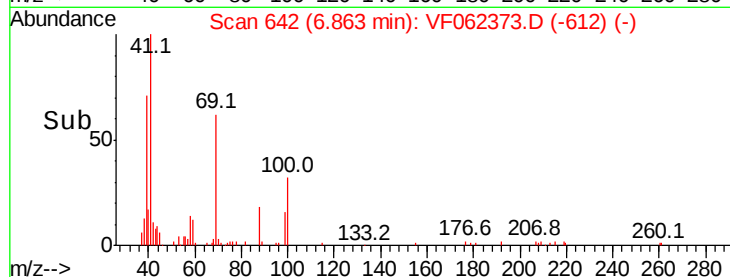
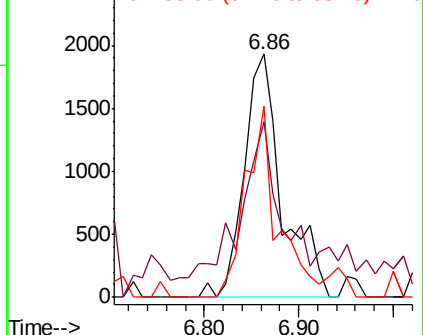


Abundance

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: 53.022 ug/l

RT: 7.69 min Scan# 726

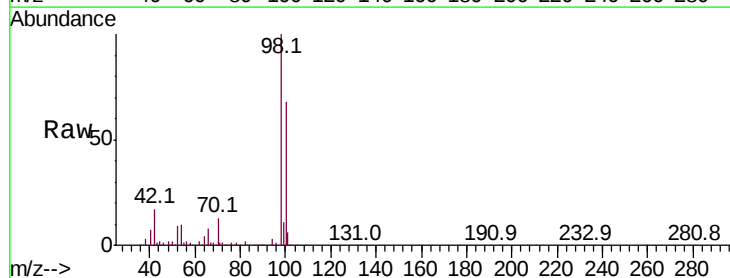
Delta R.T. -0.01 min

Lab File: VF062373.D

Acq: 8 May 2019 13:20

Tgt Ion: 98 Resp: 438444

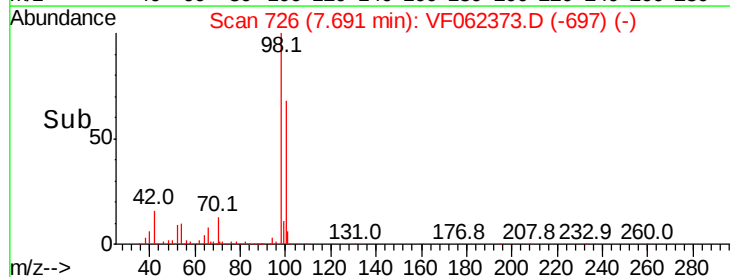
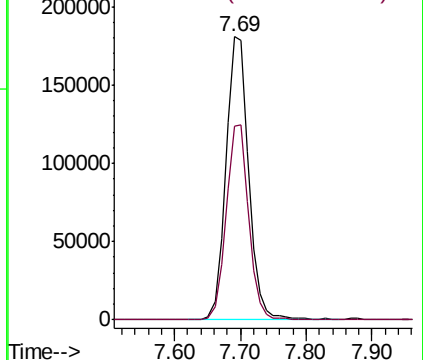
Ion	Ratio	Lower	Upper
98	100		
100	67.8	53.3	79.9

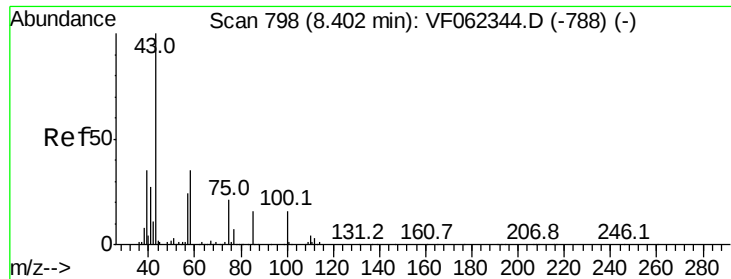


Abundance

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#51

4-Methyl-2-Pentanone

Concen: 104.668 ug/l

RT: 8.39 min Scan# 797

Delta R.T. -0.01 min

Lab File: VF062373.D

Acq: 8 May 2019 13:20

Instrument :

MSVOA_F

ClientSampleId :

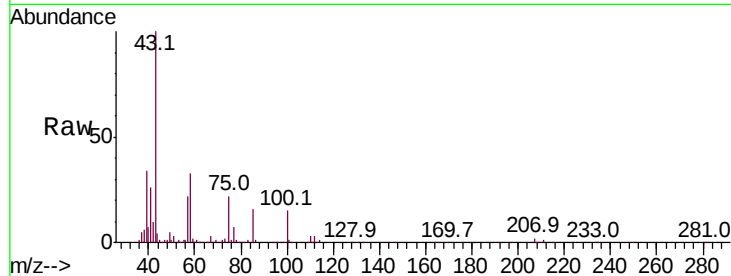
VF0508SBS01

Tot Ion: 43 Resp: 132880

Ion Ratio Lower Upper

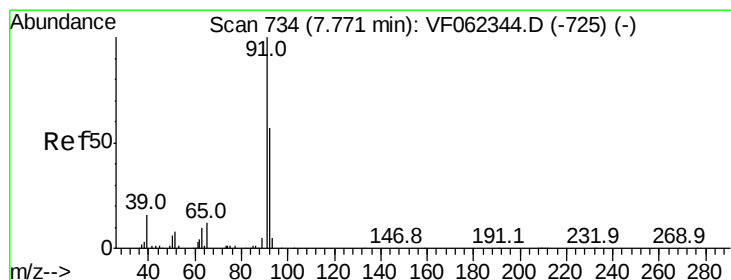
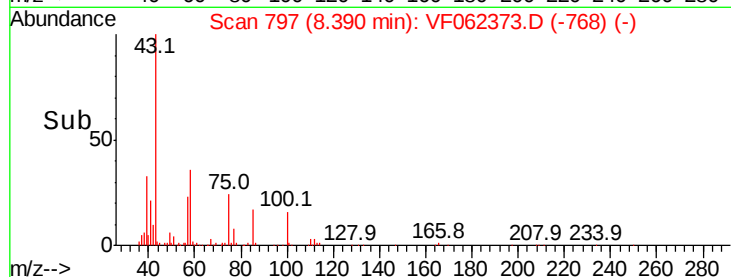
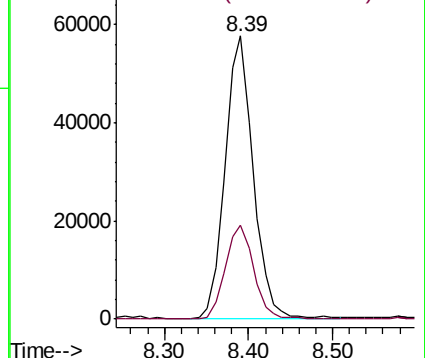
43 100

58 33.9 27.8 41.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 22.170 ug/l

RT: 7.76 min Scan# 733

Delta R.T. -0.01 min

Lab File: VF062373.D

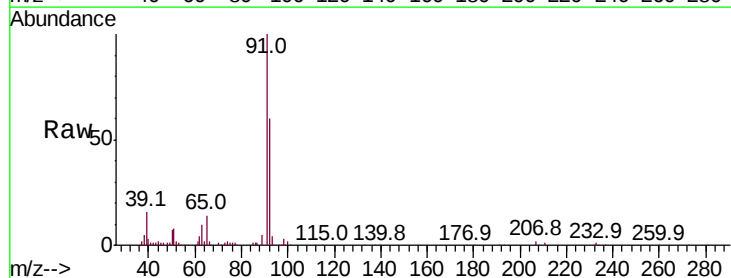
Acq: 8 May 2019 13:20

Tgt Ion: 92 Resp: 110935

Ion Ratio Lower Upper

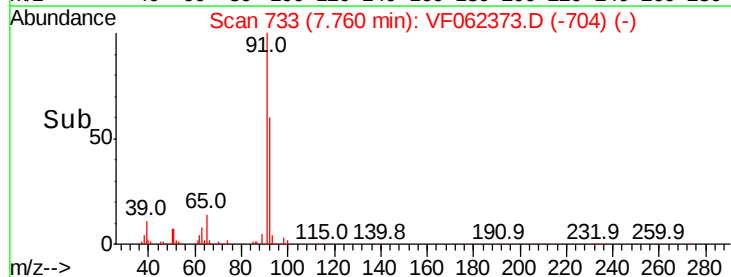
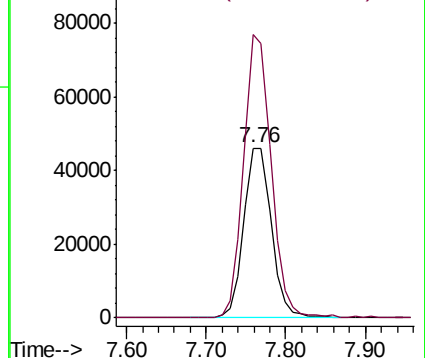
92 100

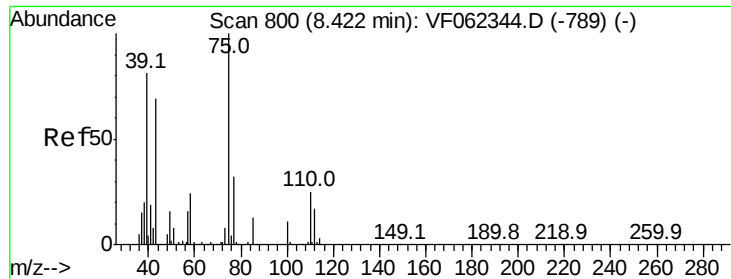
91 165.9 138.7 208.1



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 20.972 ug/l

RT: 8.41 min Scan# 799

Delta R.T. -0.01 min

Lab File: VF062373.D

Acq: 8 May 2019 13:20

Instrument :

MSVOA_F

ClientSampleId :

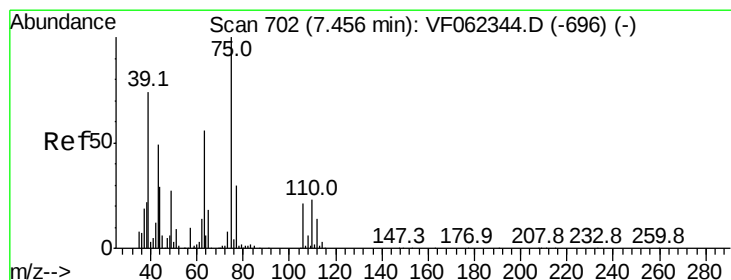
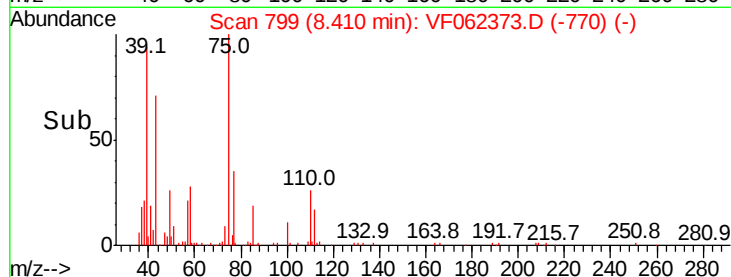
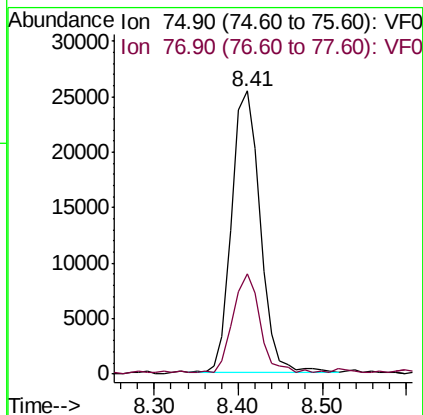
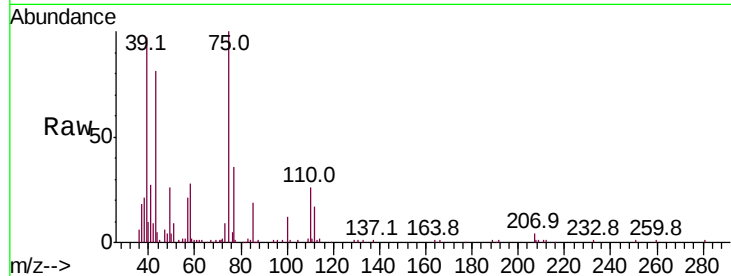
VF0508SBS01

Tot Ion: 75 Resp: 60408

Ion Ratio Lower Upper

75 100

77 34.9 25.4 38.0



#54

cis-1,3-Dichloropropene

Concen: 22.168 ug/l

RT: 7.44 min Scan# 701

Delta R.T. -0.01 min

Lab File: VF062373.D

Acq: 8 May 2019 13:20

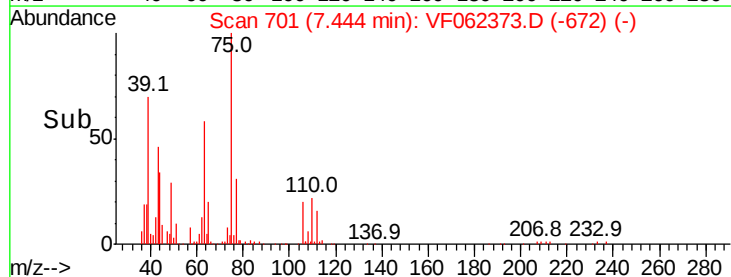
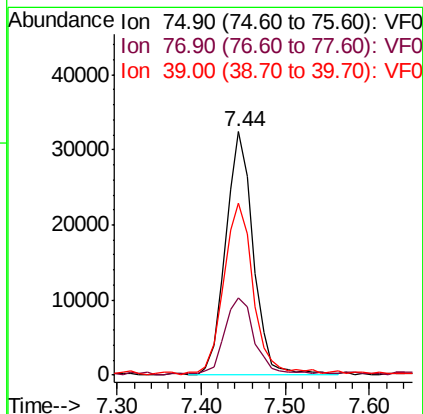
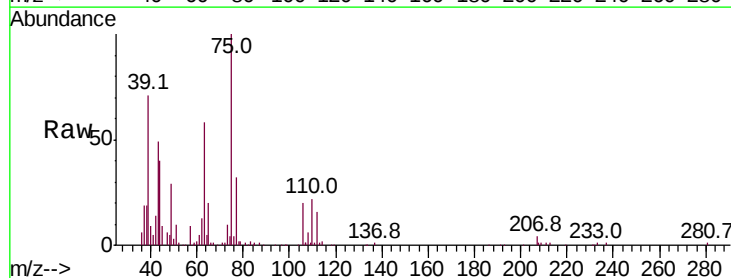
Tgt Ion: 75 Resp: 74314

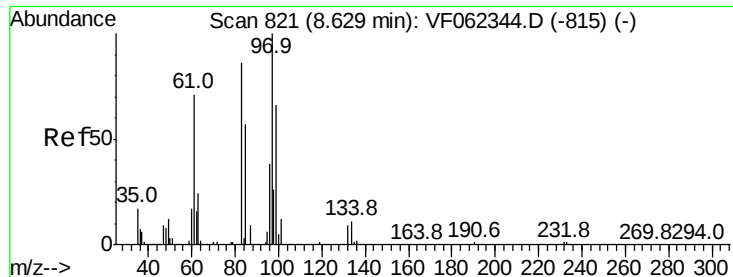
Ion Ratio Lower Upper

75 100

77 31.3 24.0 36.0

39 69.5 58.7 88.1





#55

1,1,2-Trichloroethane

Concen: 22.026 ug/l

RT: 8.62 min Scan# 820

Delta R.T. -0.01 min

Lab File: VF062373.D

Acq: 8 May 2019 13:20

Instrument :

MSVOA_F

ClientSampleId :

VF0508SBS01

Tot Ion: 97 Resp: 34987

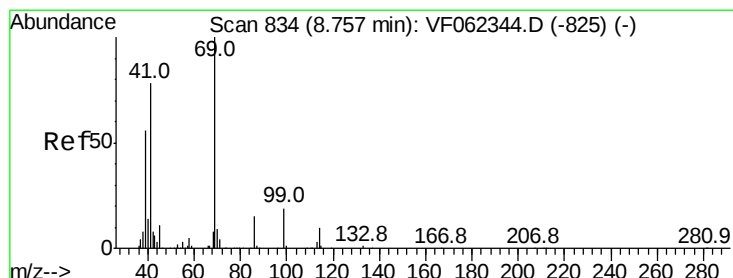
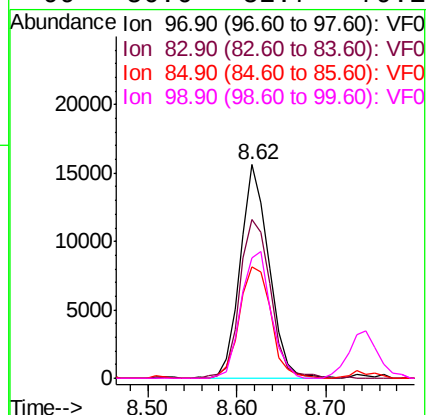
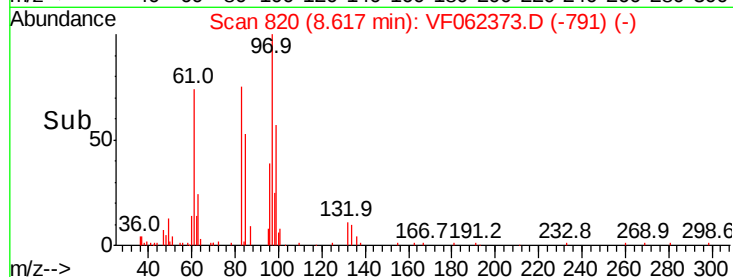
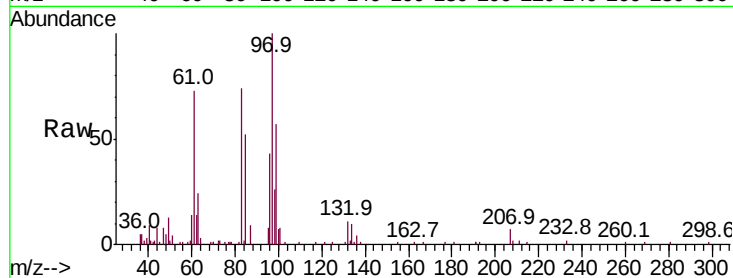
Ion	Ratio	Lower	Upper
97	100		
83	74.3	68.5	102.7
85	52.4	45.4	68.2
99	56.6	52.7	79.1

97 100

83 74.3 68.5 102.7

85 52.4 45.4 68.2

99 56.6 52.7 79.1



#56

Ethyl methacrylate

Concen: 19.523 ug/l

RT: 8.74 min Scan# 832

Delta R.T. -0.02 min

Lab File: VF062373.D

Acq: 8 May 2019 13:20

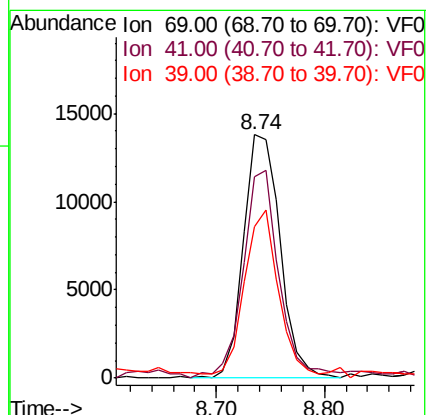
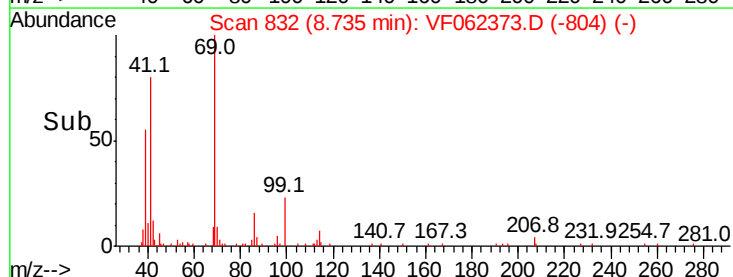
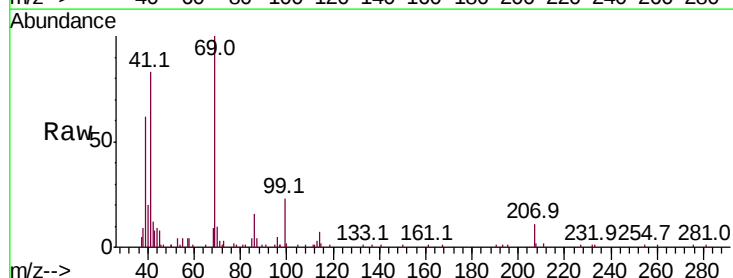
Tgt Ion: 69 Resp: 32736

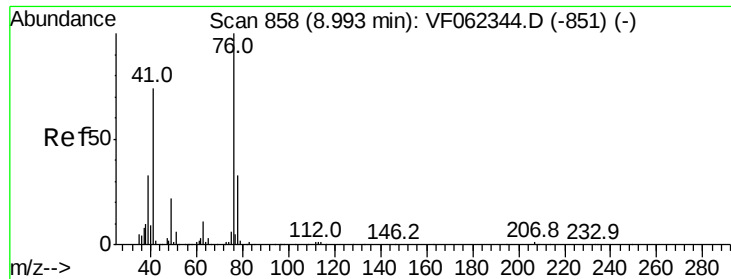
Ion	Ratio	Lower	Upper
69	100		
41	84.0	66.3	99.5
39	60.0	50.1	75.1

69 100

41 84.0 66.3 99.5

39 60.0 50.1 75.1





#57

1,3-Dichloropropane

Concen: 22.298 ug/l

RT: 8.98 min Scan# 857

Delta R.T. -0.01 min

Lab File: VF062373.D

Acq: 8 May 2019 13:20

Instrument :

MSVOA_F

ClientSampleId :

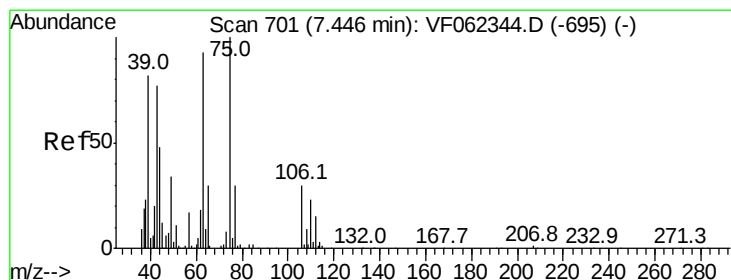
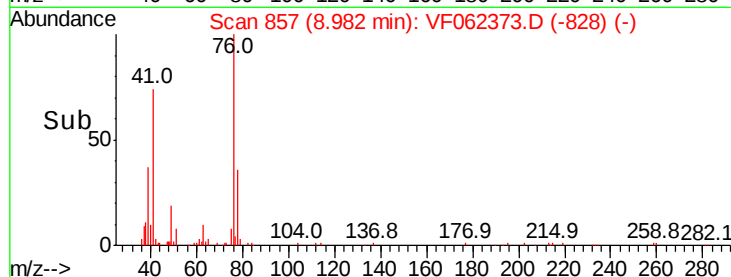
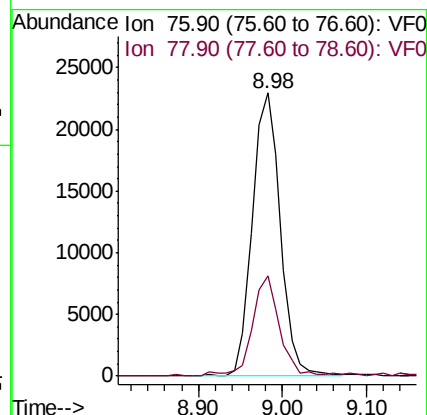
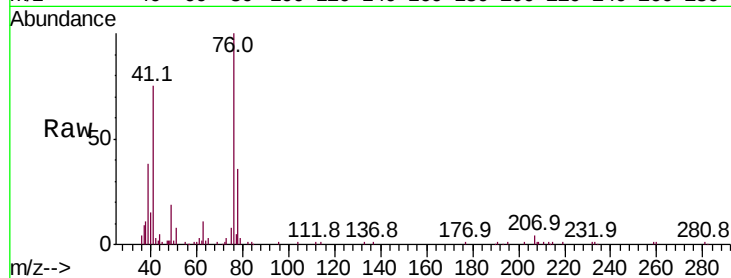
VF0508SBS01

Tot Ion: 76 Resp: 53501

Ion Ratio Lower Upper

76 100

78 34.3 26.4 39.6



#58

2-Chloroethyl Vinyl ether

Concen: 103.299 ug/l

RT: 7.43 min Scan# 700

Delta R.T. -0.01 min

Lab File: VF062373.D

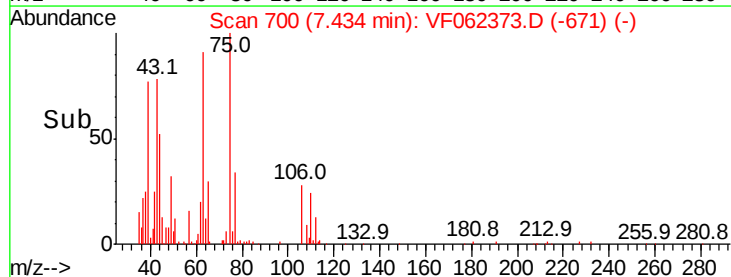
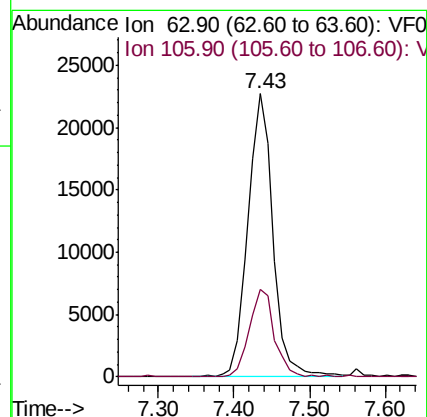
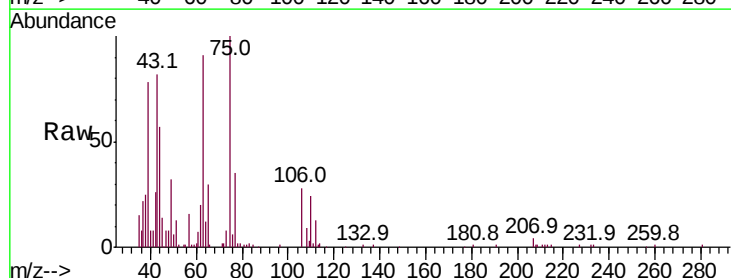
Acq: 8 May 2019 13:20

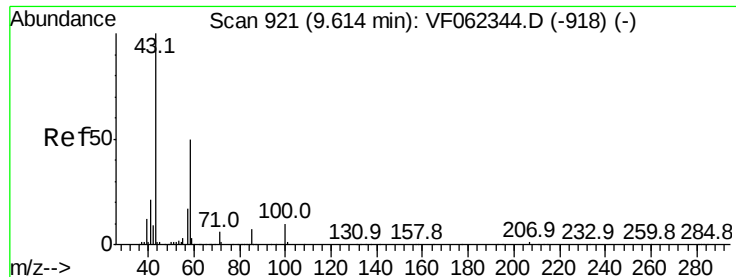
Tgt Ion: 63 Resp: 52075

Ion Ratio Lower Upper

63 100

106 31.0 25.8 38.8

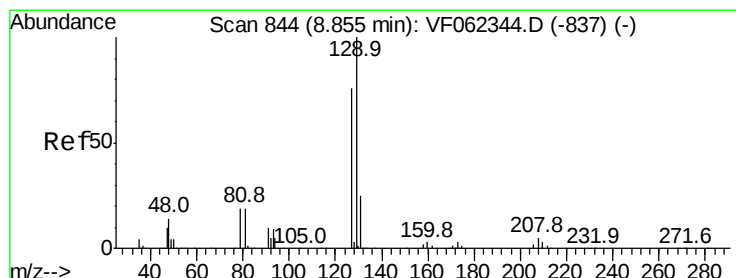
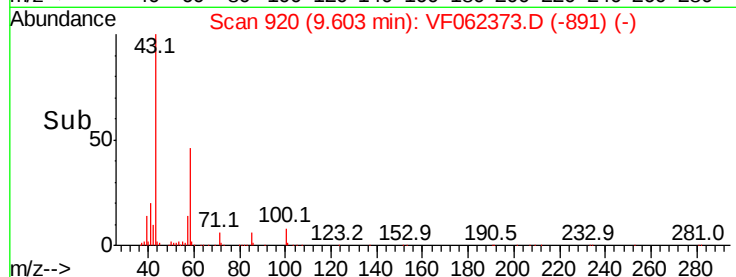
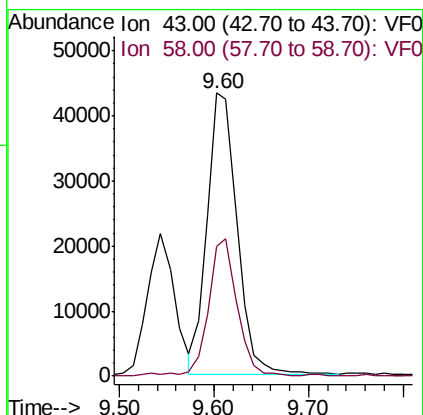
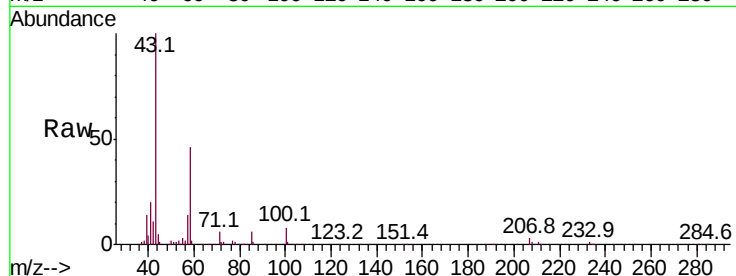




#59
2-Hexanone
Concen: 108.487 ug/l
RT: 9.60 min Scan# 920
Delta R.T. -0.01 min
Lab File: VF062373.D
Acq: 8 May 2019 13:20

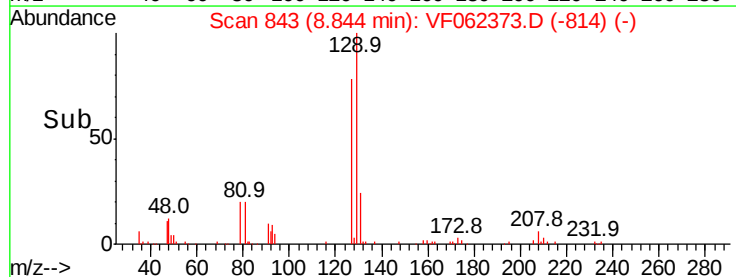
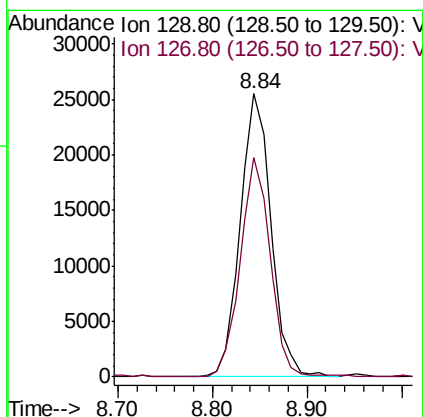
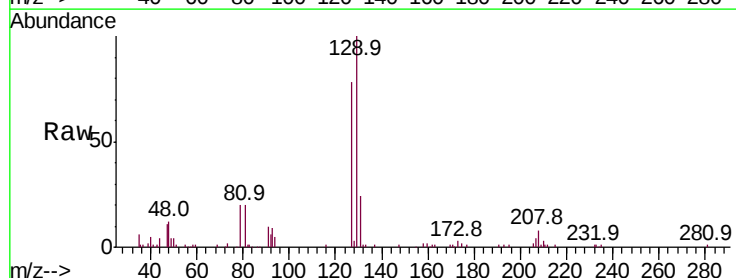
Instrument :
MSVOA_F
ClientSampleId :
VF0508SBS01

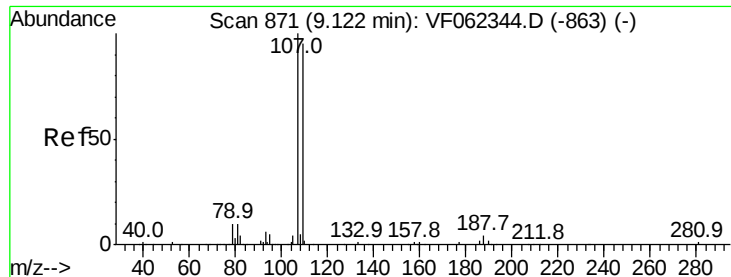
Tot Ion: 43 Resp: 95253
Ion Ratio Lower Upper
43 100
58 47.2 24.3 73.0



#60
Dibromochloromethane
Concen: 22.129 ug/l
RT: 8.84 min Scan# 843
Delta R.T. -0.01 min
Lab File: VF062373.D
Acq: 8 May 2019 13:20

Tgt Ion: 129 Resp: 57491
Ion Ratio Lower Upper
129 100
127 75.1 38.5 115.3

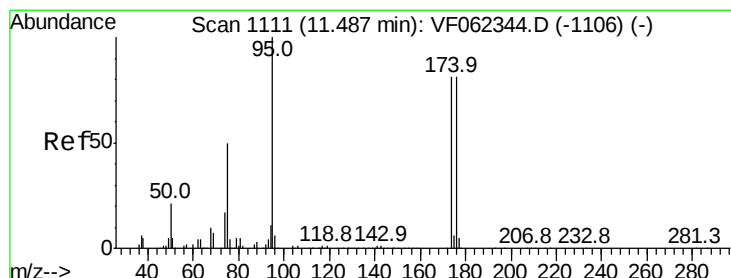
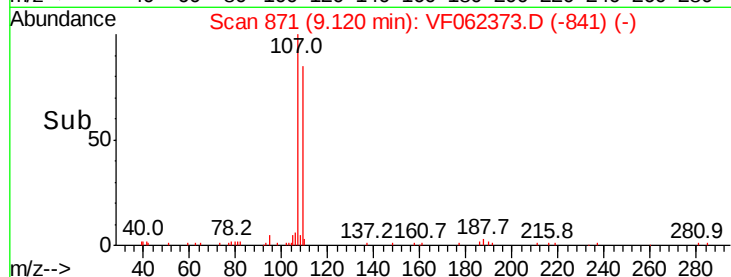
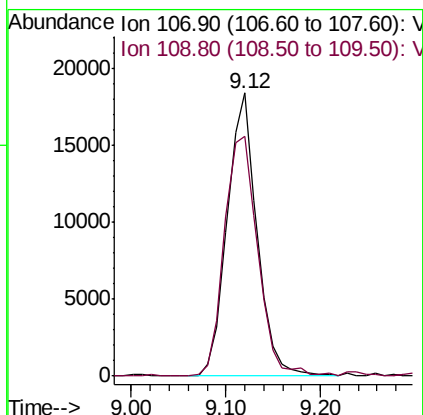
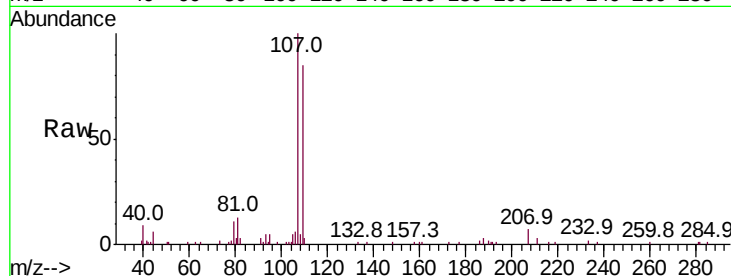




#61
 1,2-Dibromoethane
 Concen: 21.568 ug/l
 RT: 9.12 min Scan# 871
 Delta R.T. -0.00 min
 Lab File: VF062373.D
 Acq: 8 May 2019 13:20

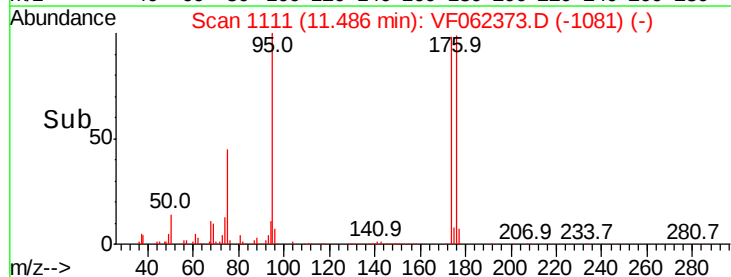
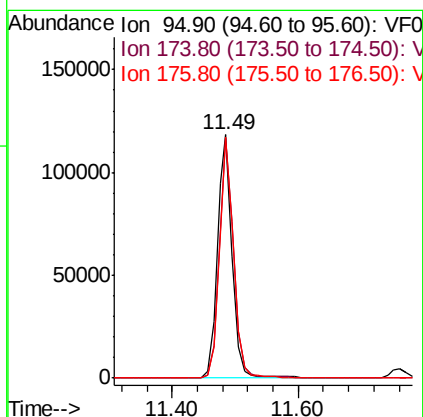
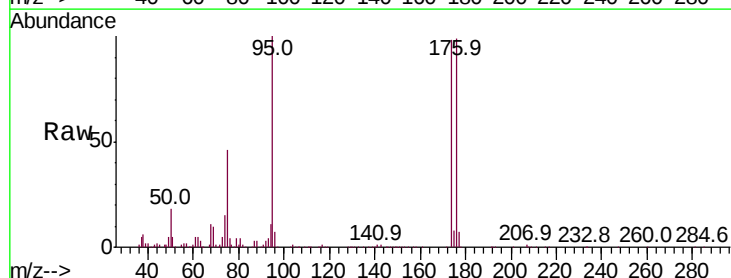
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0508SBS01

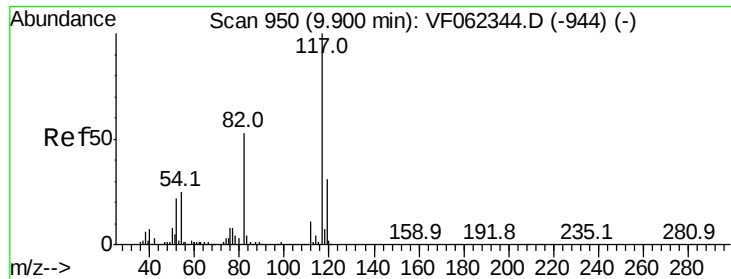
Tot Ion:107 Resp: 40266
 Ion Ratio Lower Upper
 107 100
 109 94.6 75.2 112.8



#62
 4-Bromofluorobenzene
 Concen: 52.197 ug/l
 RT: 11.49 min Scan# 1111
 Delta R.T. -0.00 min
 Lab File: VF062373.D
 Acq: 8 May 2019 13:20

Tgt Ion: 95 Resp: 194734
 Ion Ratio Lower Upper
 95 100
 174 96.5 0.0 191.8
 176 95.4 0.0 193.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.90 min Scan# 950

Delta R.T. -0.00 min

Lab File: VF062373.D

Acq: 8 May 2019 13:20

Instrument :

MSVOA_F

ClientSampleId :

VF0508SBS01

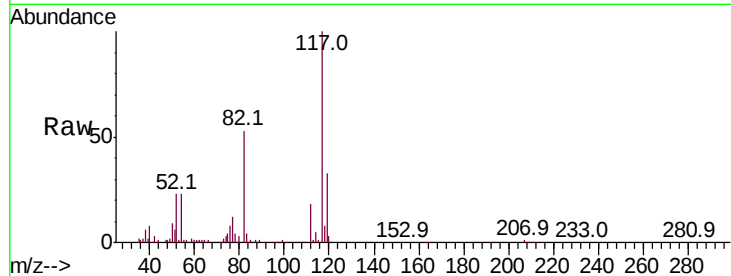
Tot Ion:117 Resp: 352467

Ion Ratio Lower Upper

117 100

82 52.7 42.2 63.2

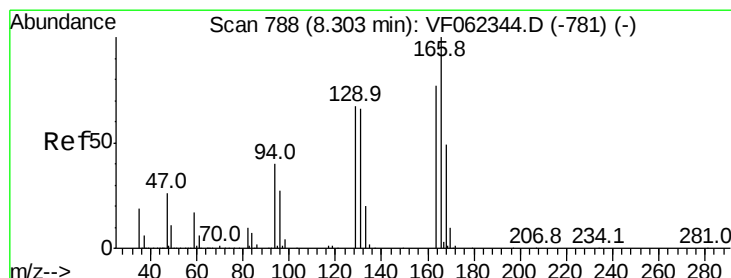
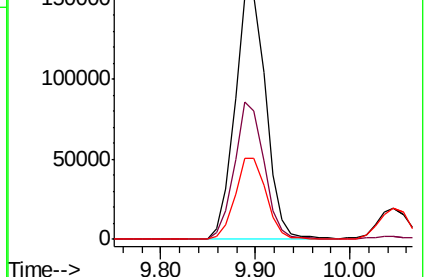
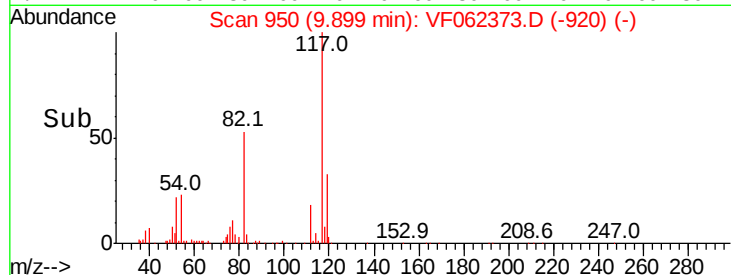
119 33.4 25.0 37.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 22.030 ug/l

RT: 8.29 min Scan# 787

Delta R.T. -0.01 min

Lab File: VF062373.D

Acq: 8 May 2019 13:20

Tgt Ion:164 Resp: 63036

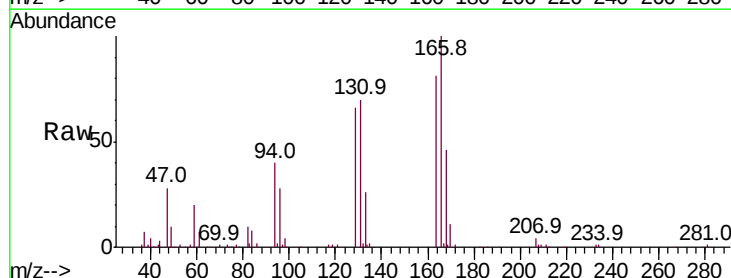
Ion Ratio Lower Upper

164 100

166 123.7 104.2 156.4

129 82.1 69.6 104.4

131 86.7 68.8 103.2

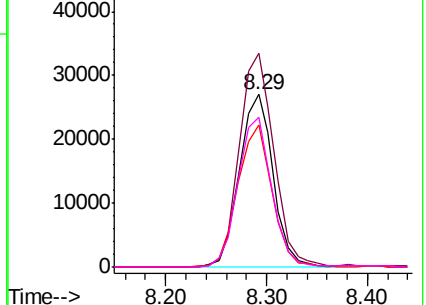
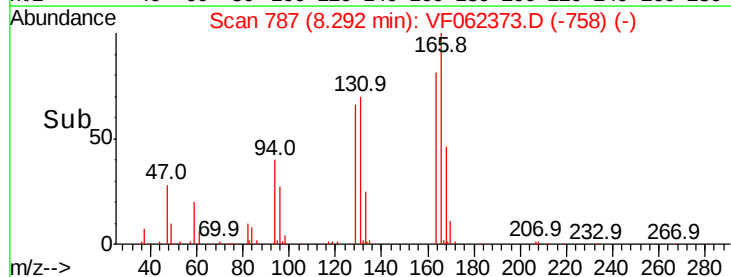


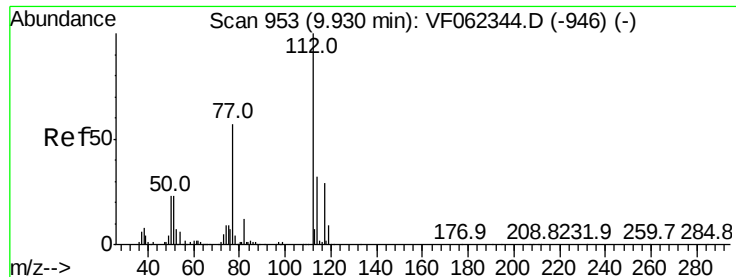
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

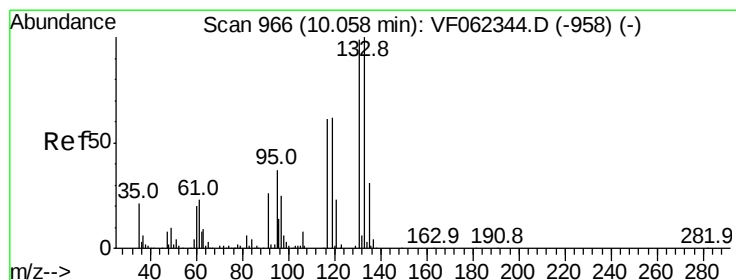
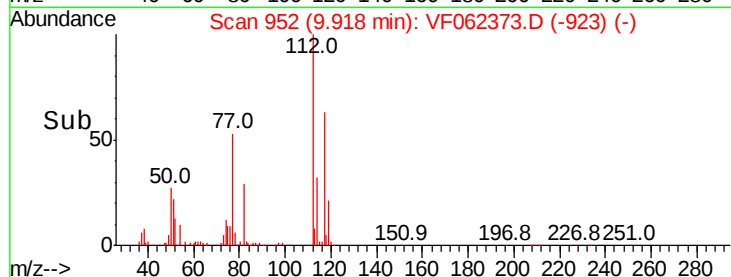
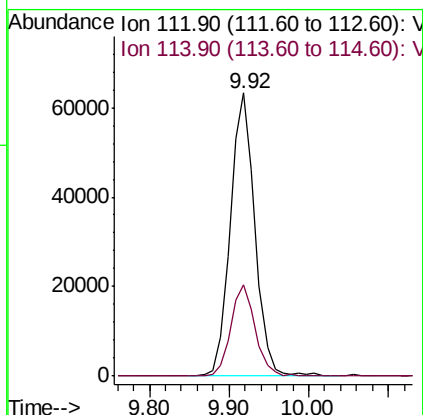
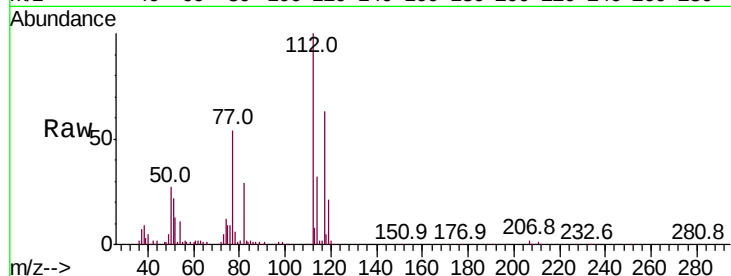




#65
Chlorobenzene
Concen: 23.398 ug/l
RT: 9.92 min Scan# 952
Delta R.T. -0.01 min
Lab File: VF062373.D
Acq: 8 May 2019 13:20

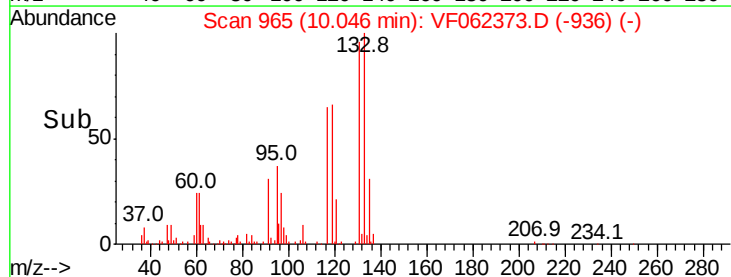
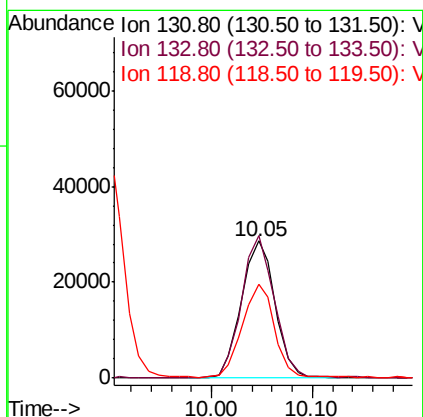
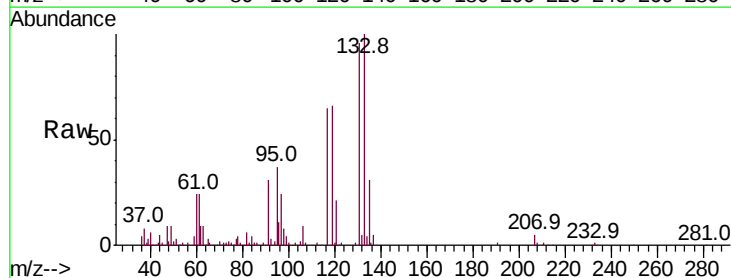
Instrument :
MSVOA_F
ClientSampleId :
VF0508SBS01

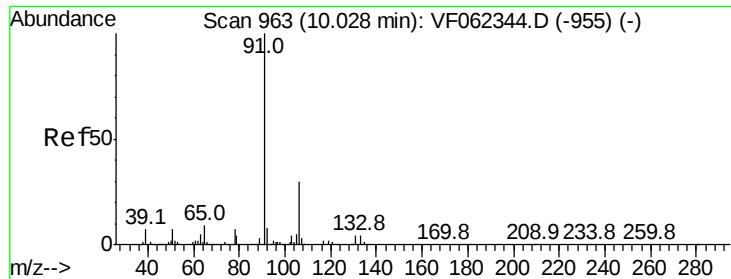
Tot Ion:112 Resp: 136454
Ion Ratio Lower Upper
112 100
114 32.2 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 22.738 ug/l
RT: 10.05 min Scan# 965
Delta R.T. -0.01 min
Lab File: VF062373.D
Acq: 8 May 2019 13:20

Tgt Ion:131 Resp: 66894
Ion Ratio Lower Upper
131 100
133 101.7 50.2 150.7
119 64.2 31.6 95.0





#67

Ethyl Benzene

Concen: 23.927 ug/l

RT: 10.02 min Scan# 962

Delta R.T. -0.01 min

Lab File: VF062373.D

Acq: 8 May 2019 13:20

Instrument :

MSVOA_F

ClientSampleId :

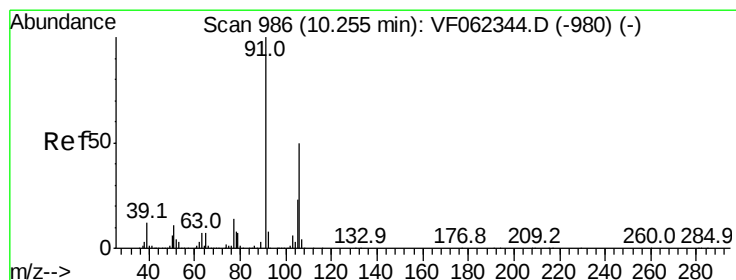
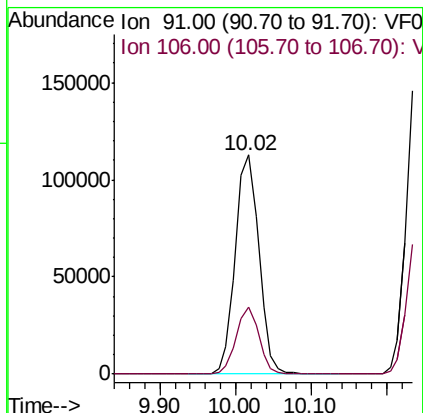
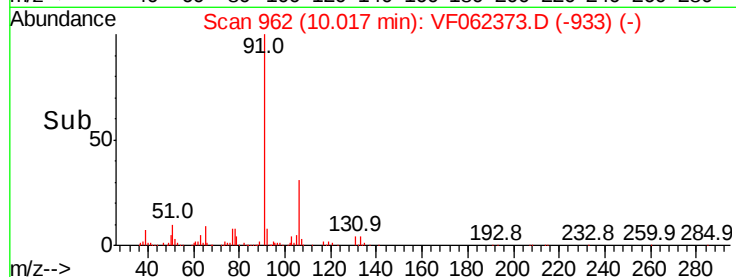
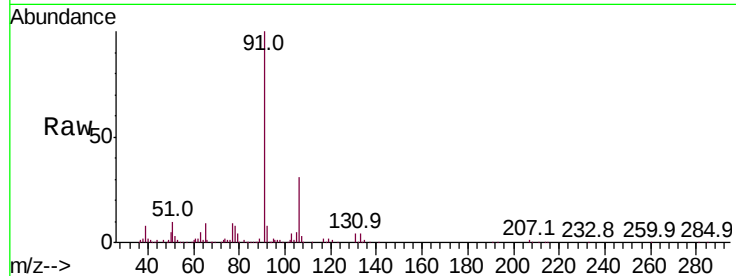
VF0508SBS01

Tot Ion: 91 Resp: 244346

Ion Ratio Lower Upper

91 100

106 30.5 24.1 36.1



#68

m/p-Xylenes

Concen: 46.786 ug/l

RT: 10.24 min Scan# 985

Delta R.T. -0.01 min

Lab File: VF062373.D

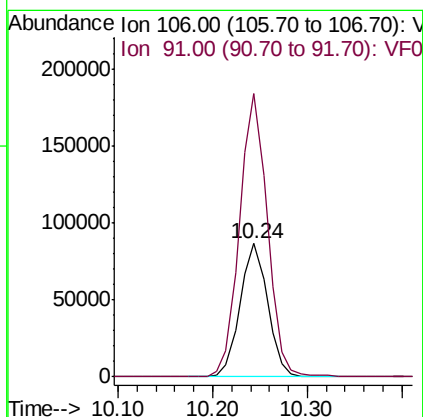
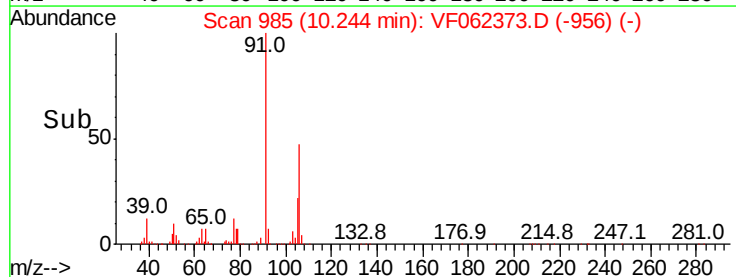
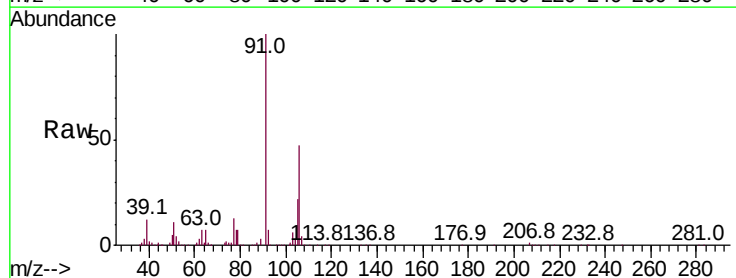
Acq: 8 May 2019 13:20

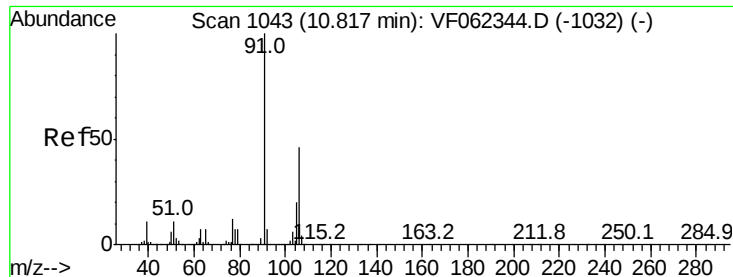
Tgt Ion:106 Resp: 176284

Ion Ratio Lower Upper

106 100

91 212.3 167.4 251.2

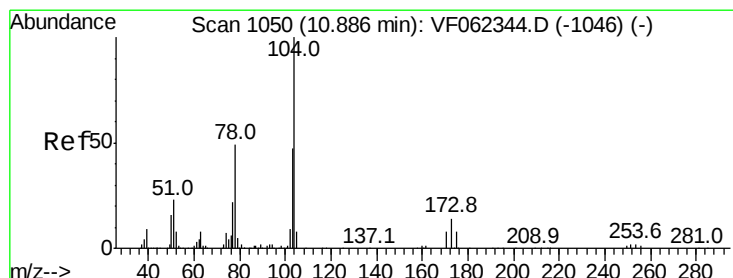
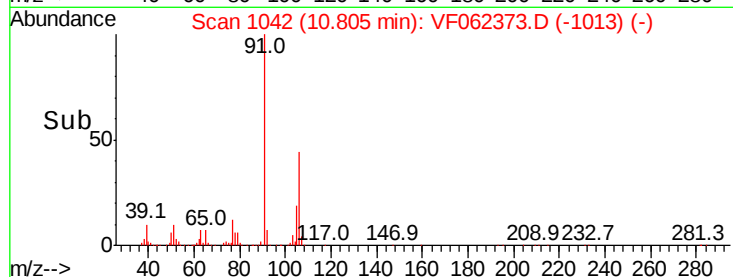
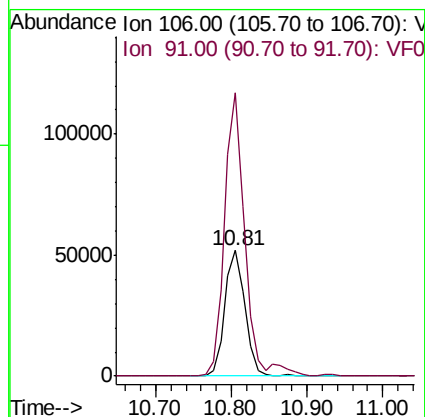
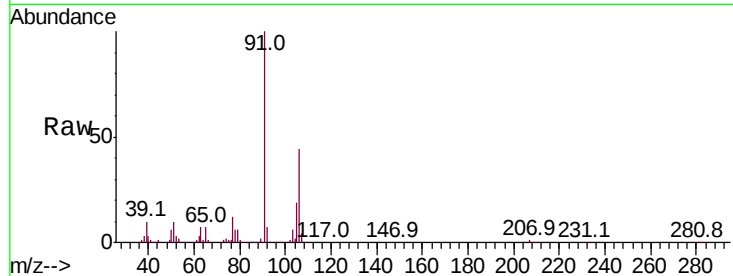




#69
o-Xylene
Concen: 23.664 ug/l
RT: 10.81 min Scan# 1042
Delta R.T. -0.01 min
Lab File: VF062373.D
Acq: 8 May 2019 13:20

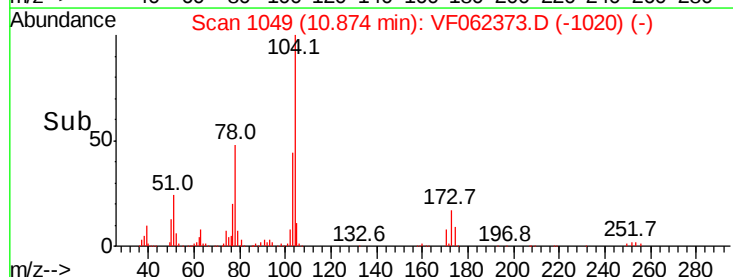
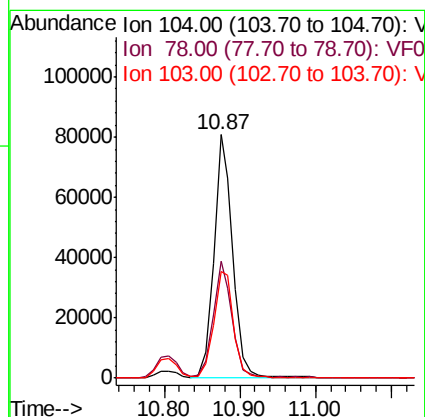
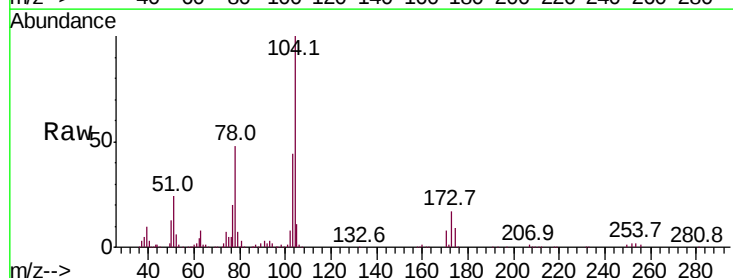
Instrument :
MSVOA_F
ClientSampleId :
VF0508SBS01

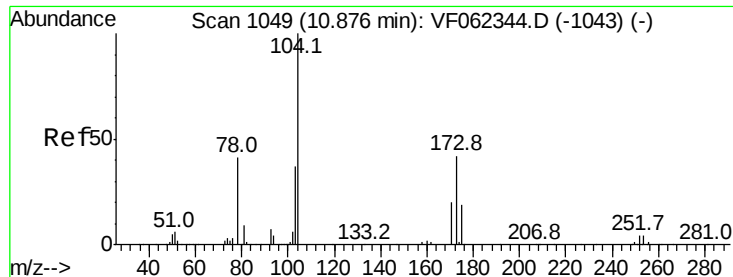
Tot Ion:106 Resp: 96346
Ion Ratio Lower Upper
106 100
91 217.8 111.3 333.8



#70
Styrene
Concen: 23.048 ug/l
RT: 10.87 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VF062373.D
Acq: 8 May 2019 13:20

Tgt Ion:104 Resp: 140639
Ion Ratio Lower Upper
104 100
78 47.7 39.5 59.3
103 47.3 38.4 57.6





#71

Bromoform

Concen: 21.600 ug/l

RT: 10.86 min Scan# 1048

Delta R.T. -0.01 min

Lab File: VF062373.D

Acq: 8 May 2019 13:20

Instrument :

MSVOA_F

ClientSampleId :

VF0508SBS01

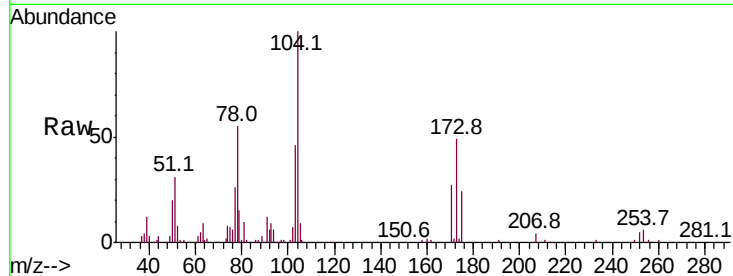
Tot Ion:173 Resp: 34814

Ion Ratio Lower Upper

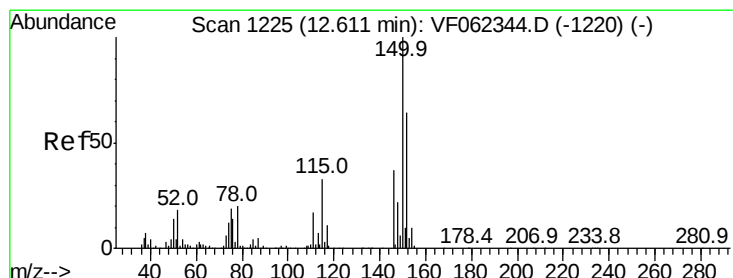
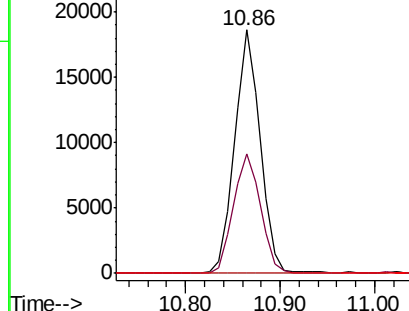
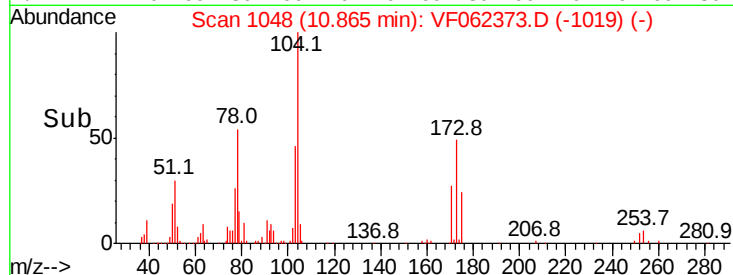
173 100

175 51.5 23.8 71.2

254 0.0 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.60 min Scan# 1224

Delta R.T. -0.01 min

Lab File: VF062373.D

Acq: 8 May 2019 13:20

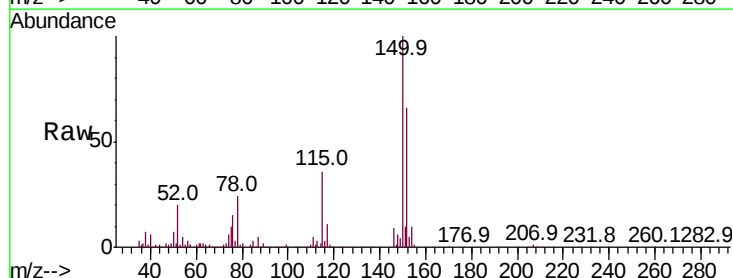
Tgt Ion:152 Resp: 222509

Ion Ratio Lower Upper

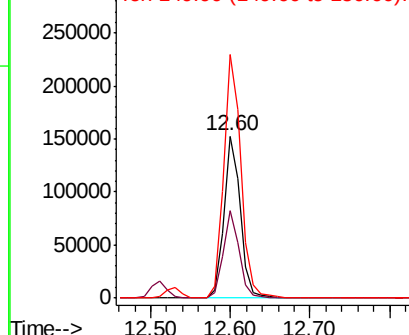
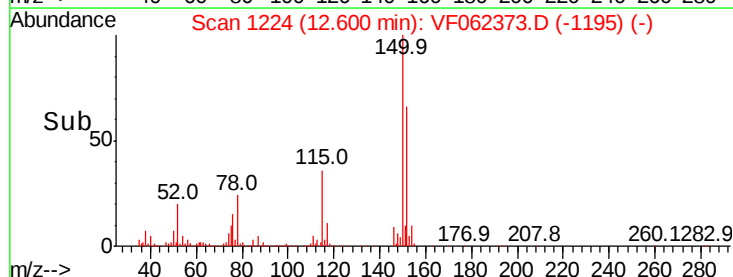
152 100

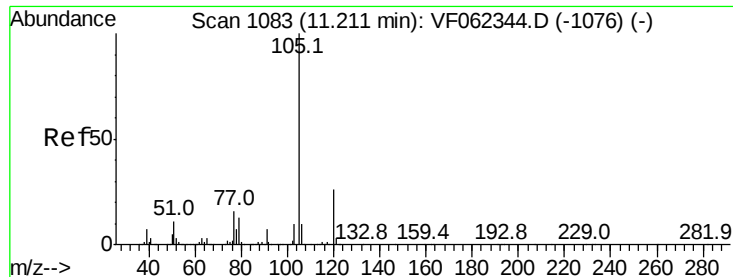
115 53.2 26.4 79.2

150 158.0 0.0 335.0



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





#73

Isopropylbenzene

Concen: 23.044 ug/l

RT: 11.20 min Scan# 1082

Delta R.T. -0.01 min

Lab File: VF062373.D

Acq: 8 May 2019 13:20

Instrument :

MSVOA_F

ClientSampleId :

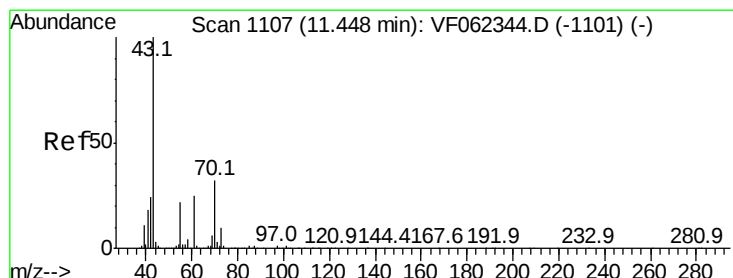
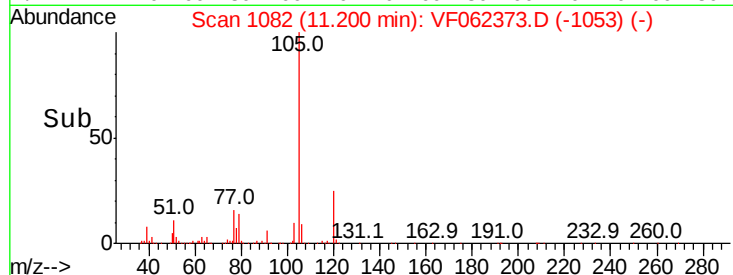
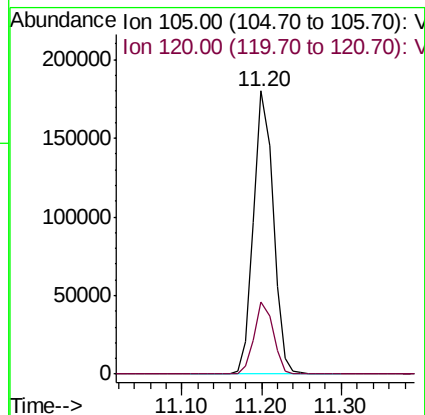
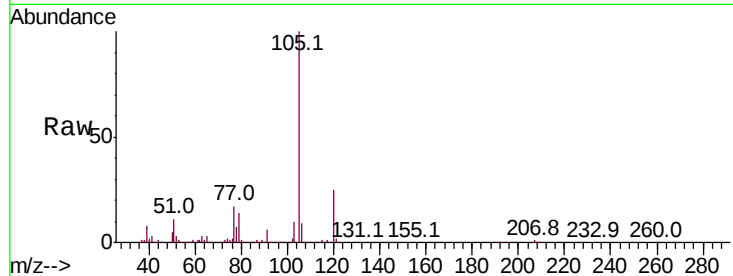
VF0508SBS01

Tot Ion:105 Resp: 303973

Ion Ratio Lower Upper

105 100

120 24.8 12.7 38.0



#74

N-ethyl acetate

Concen: 21.277 ug/l

RT: 11.44 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VF062373.D

Acq: 8 May 2019 13:20

Tgt Ion: 43 Resp: 60257

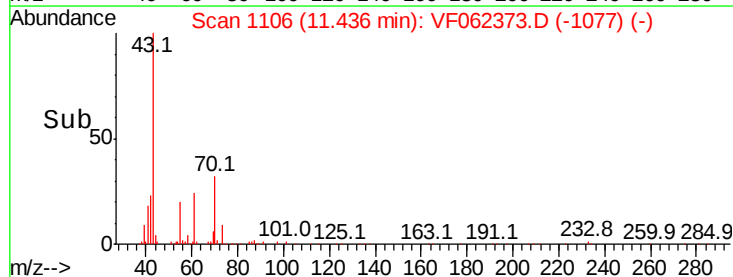
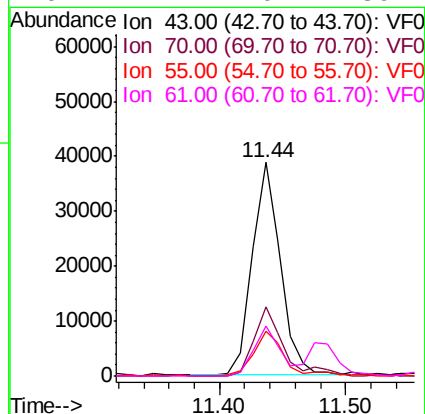
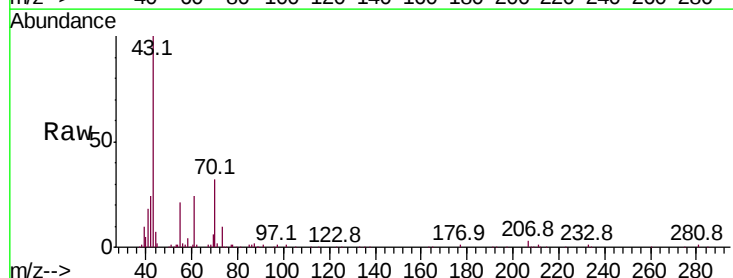
Ion Ratio Lower Upper

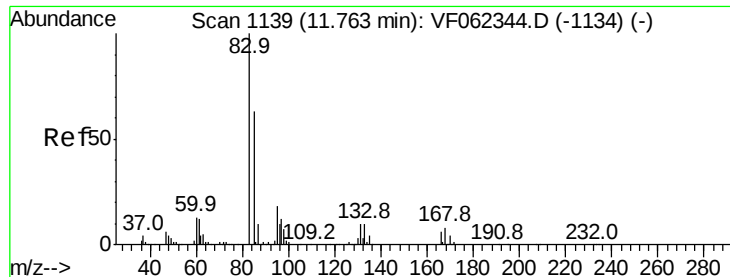
43 100

70 33.9 26.5 39.7

55 22.9 17.8 26.6

61 21.7 20.2 30.2





#75

1,1,2,2-Tetrachloroethane

Concen: 21.865 ug/l

RT: 11.76 min Scan# 1139

Delta R.T. -0.00 min

Lab File: VF062373.D

Acq: 8 May 2019 13:20

Instrument :

MSVOA_F

ClientSampleId :

VF0508SBS01

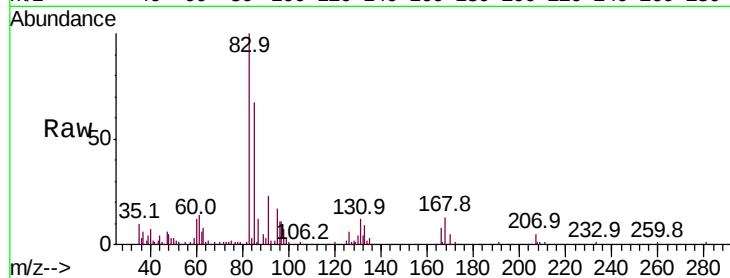
Tot Ion: 83 Resp: 45161

Ion Ratio Lower Upper

83 100

131 11.4 5.8 17.4

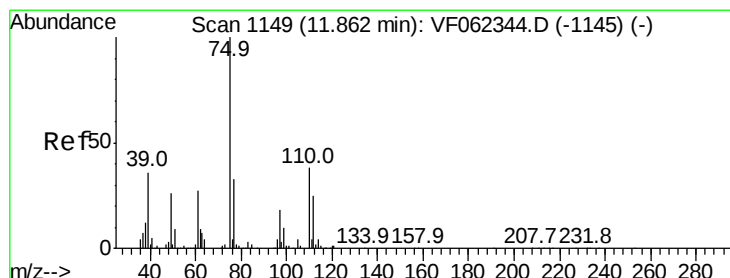
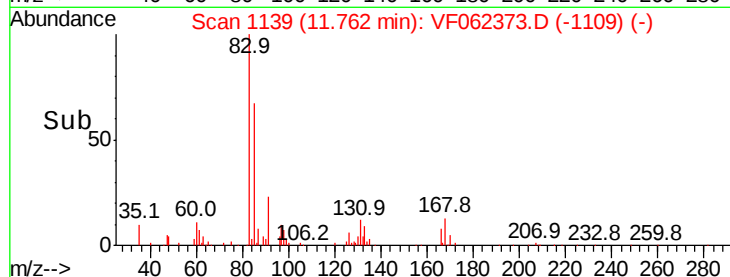
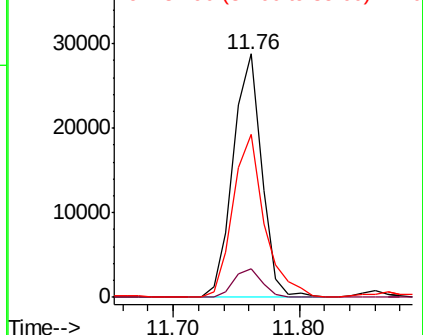
85 73.8 35.3 105.7



Abundance Ion 82.90 (82.60 to 83.60): VF0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VF0



#76

1,2,3-Trichloropropane

Concen: 21.198 ug/l

RT: 11.86 min Scan# 1149

Delta R.T. -0.00 min

Lab File: VF062373.D

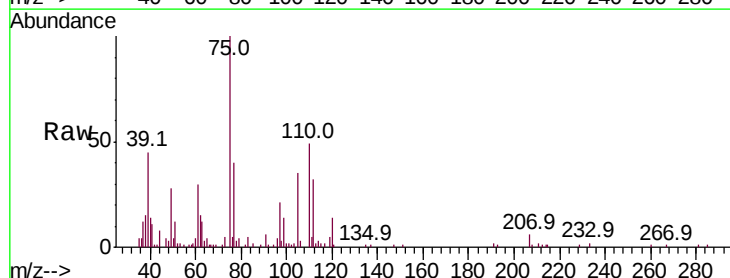
Acq: 8 May 2019 13:20

Tgt Ion: 75 Resp: 33404

Ion Ratio Lower Upper

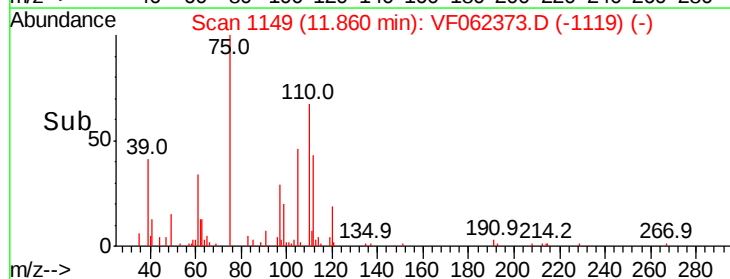
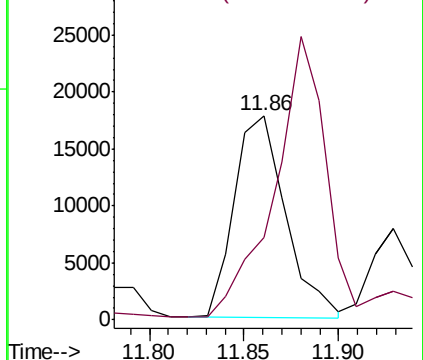
75 100

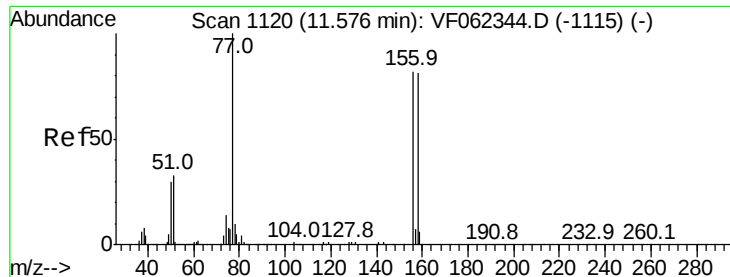
77 139.9 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 77.00 (76.70 to 77.70): VF0

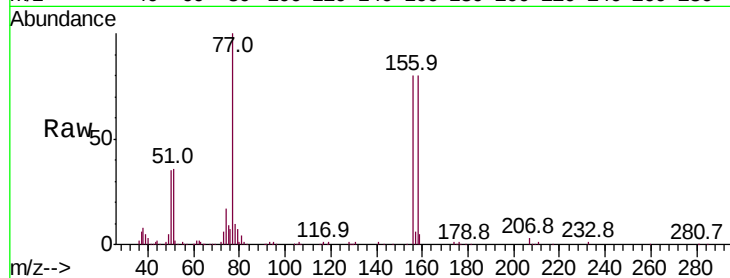




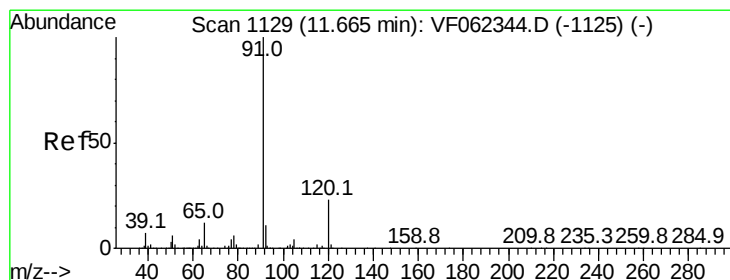
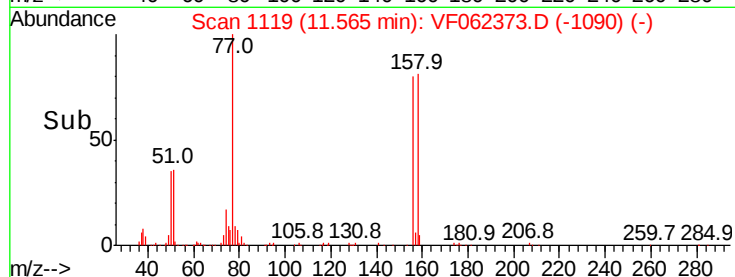
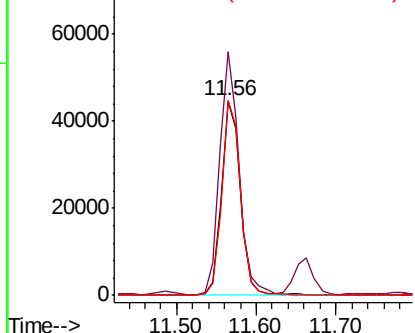
#77
Bromobenzene
Concen: 21.730 ug/l
RT: 11.56 min Scan# 1119
Delta R.T. -0.01 min
Lab File: VF062373.D
Acq: 8 May 2019 13:20

Instrument :
MSVOA_F
ClientSampleId :
VF0508SBS01

Tot Ion:156 Resp: 75230
Ion Ratio Lower Upper
156 100
77 126.5 64.8 194.3
158 99.0 49.1 147.3

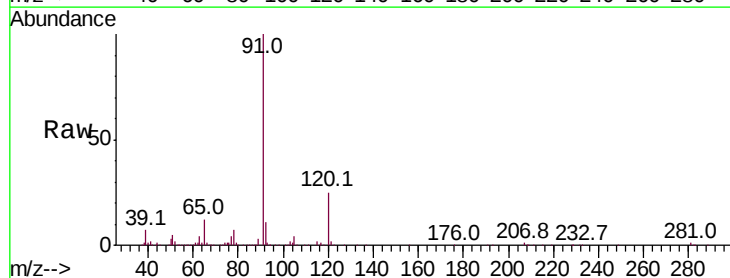


Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.30): VF0
Ion 157.80 (157.50 to 158.10): V

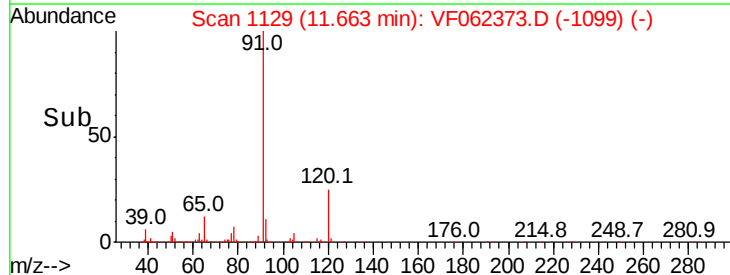
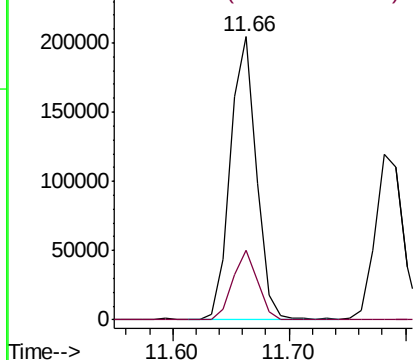


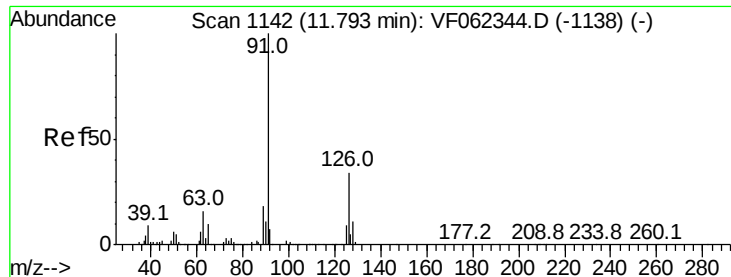
#78
n-propylbenzene
Concen: 22.483 ug/l
RT: 11.66 min Scan# 1129
Delta R.T. -0.00 min
Lab File: VF062373.D
Acq: 8 May 2019 13:20

Tgt Ion: 91 Resp: 315748
Ion Ratio Lower Upper
91 100
120 23.7 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.30): VF0
Ion 120.00 (119.70 to 120.30): V





#79

2-Chlorotoluene

Concen: 22.532 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VF062373.D

Acq: 8 May 2019 13:20

Instrument :

MSVOA_F

ClientSampleId :

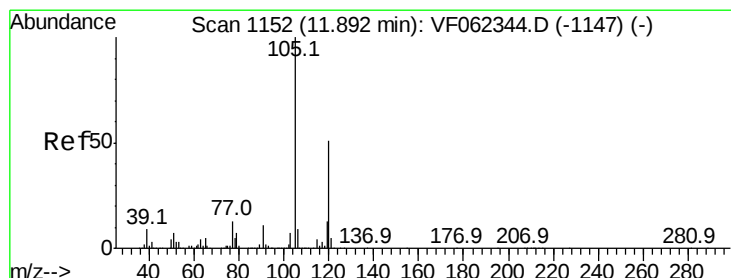
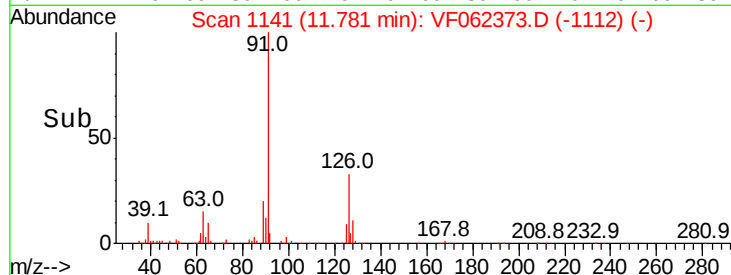
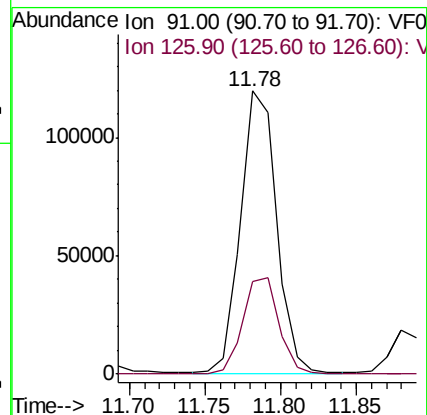
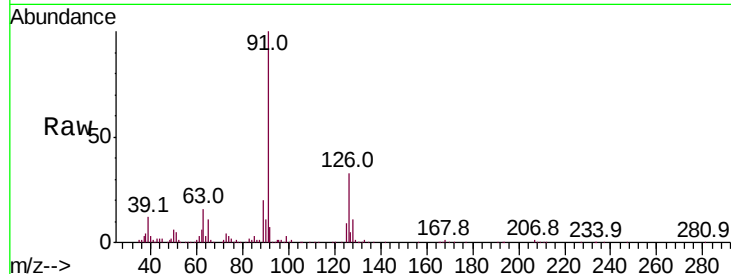
VF0508SBS01

Tot Ion: 91 Resp: 196767

Ion Ratio Lower Upper

91 100

126 34.6 17.8 53.4



#80

1,3,5-Trimethylbenzene

Concen: 22.775 ug/l

RT: 11.88 min Scan# 1151

Delta R.T. -0.01 min

Lab File: VF062373.D

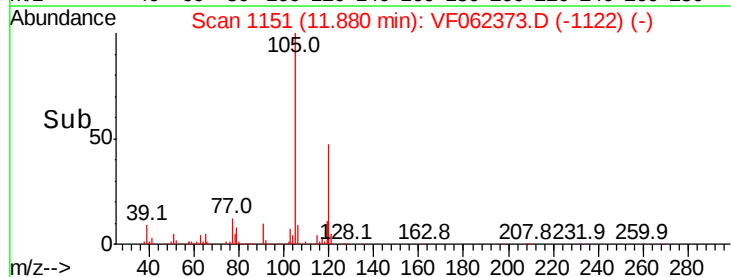
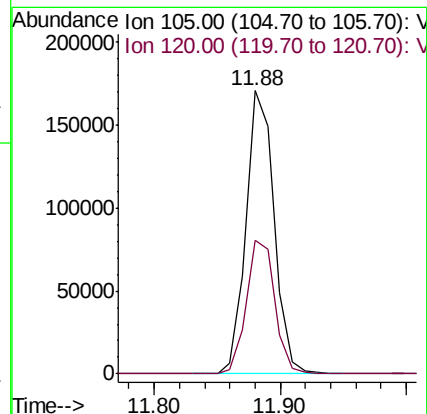
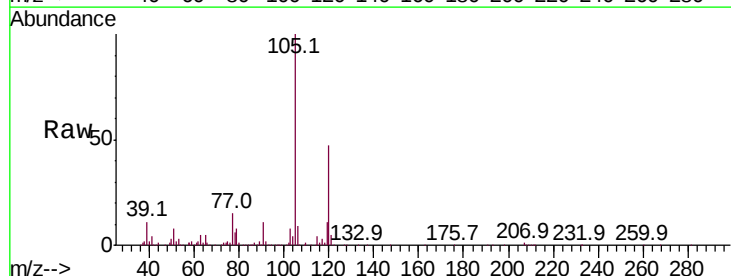
Acq: 8 May 2019 13:20

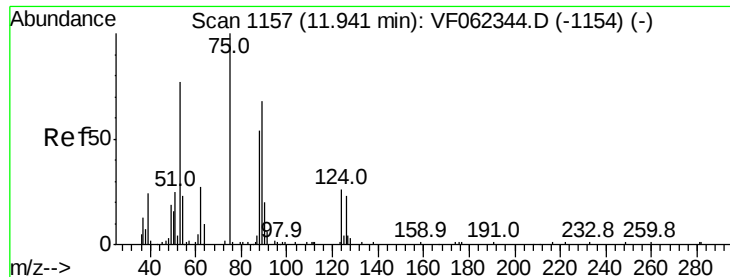
Tgt Ion:105 Resp: 263321

Ion Ratio Lower Upper

105 100

120 48.1 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 23.430 ug/l m

RT: 11.93 min Scan# 1156

Delta R.T. -0.01 min

Lab File: VF062373.D

Acq: 8 May 2019 13:20

Instrument :

MSVOA_F

ClientSampleId :

VF0508SBS01

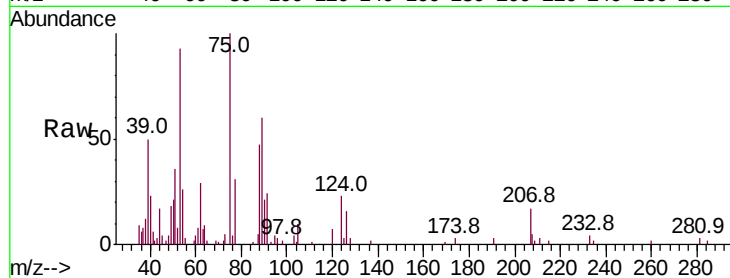
Tot Ion: 75 Resp: 13878

Ion Ratio Lower Upper

75 100

53 78.8 71.9 107.9

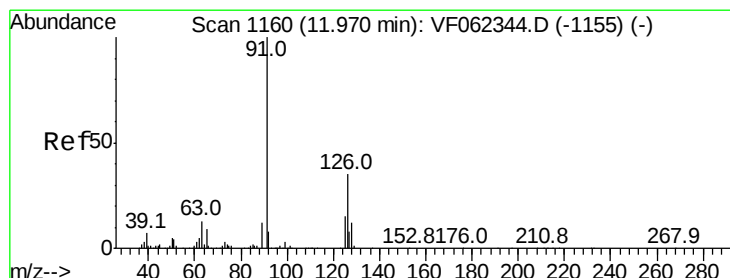
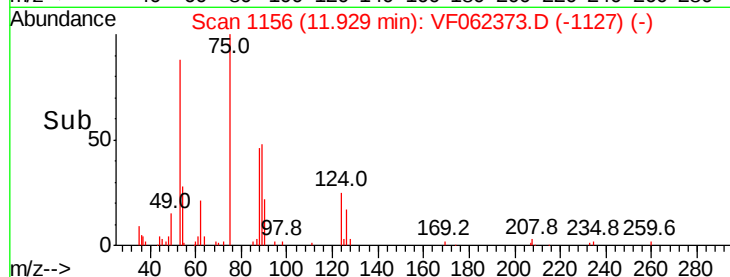
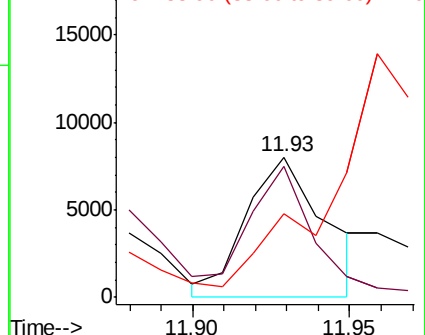
89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 88.90 (88.60 to 89.60): VF0



#82

4-Chlorotoluene

Concen: 21.406 ug/l

RT: 11.96 min Scan# 1159

Delta R.T. -0.01 min

Lab File: VF062373.D

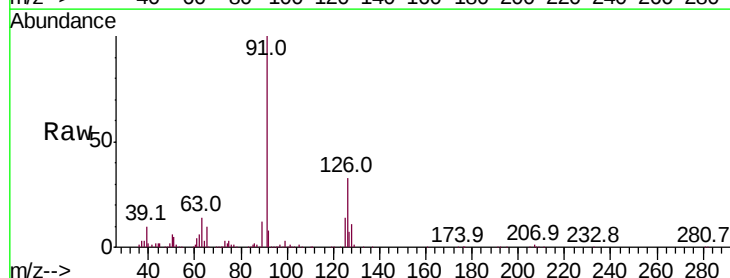
Acq: 8 May 2019 13:20

Tgt Ion: 91 Resp: 184627

Ion Ratio Lower Upper

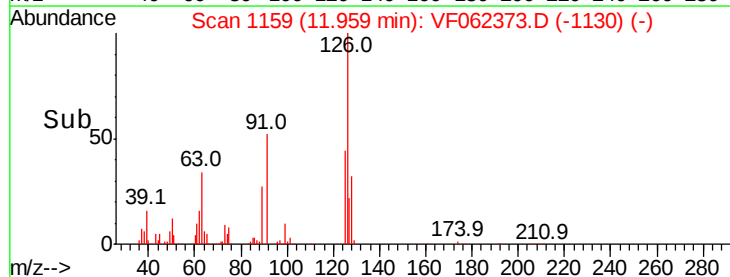
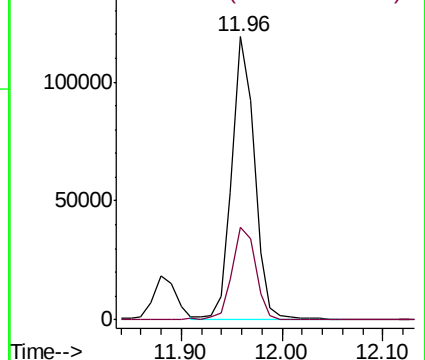
91 100

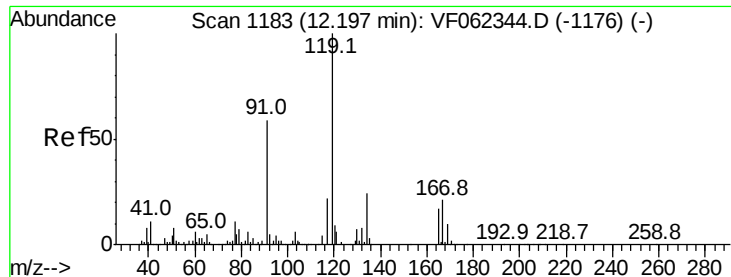
126 35.1 17.7 53.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 125.90 (125.60 to 126.60): V

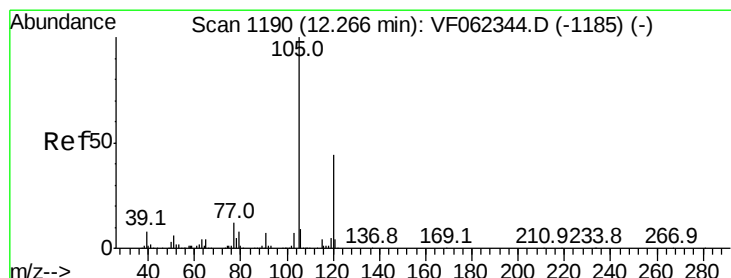
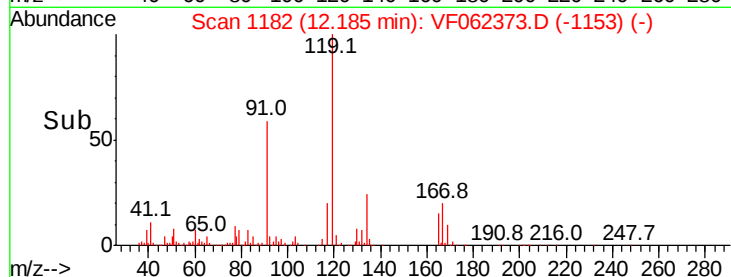
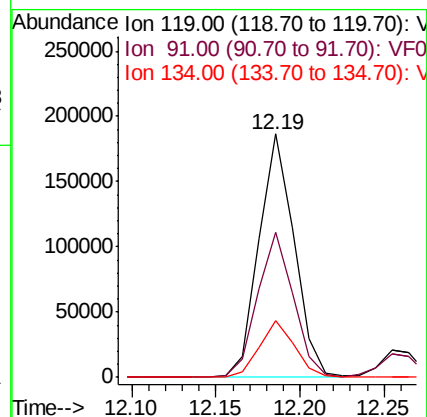
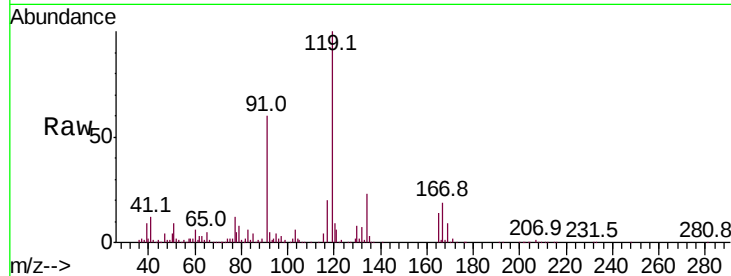




#83
tert-Butylbenzene
Concen: 22.335 ug/l
RT: 12.19 min Scan# 1182
Delta R.T. -0.01 min
Lab File: VF062373.D
Acq: 8 May 2019 13:20

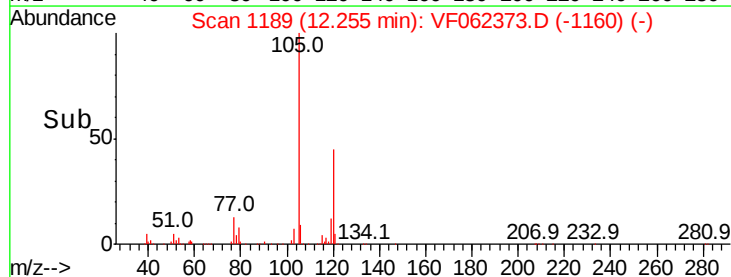
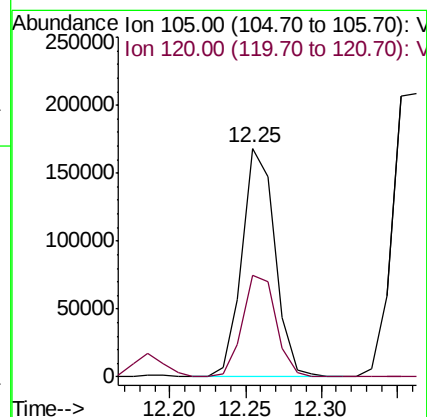
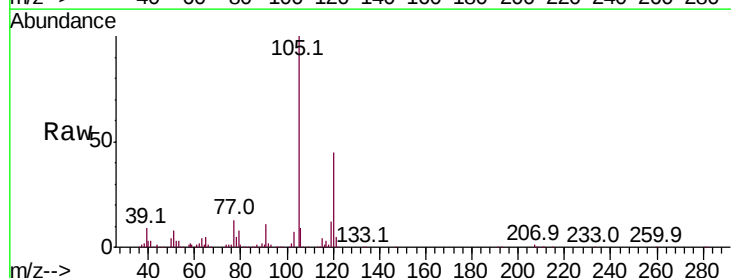
Instrument :
MSVOA_F
ClientSampleId :
VF0508SBS01

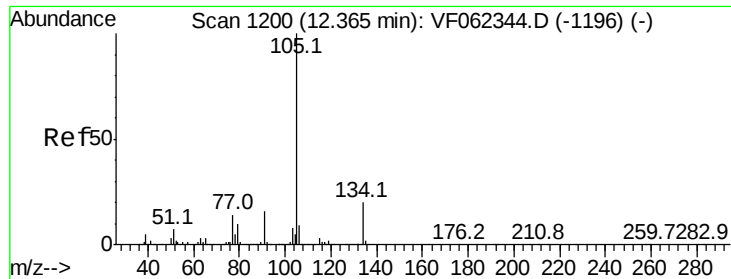
Tot Ion:119 Resp: 271391
Ion Ratio Lower Upper
119 100
91 60.4 30.4 91.3
134 23.2 11.9 35.7



#84
1,2,4-Trimethylbenzene
Concen: 22.590 ug/l
RT: 12.25 min Scan# 1189
Delta R.T. -0.01 min
Lab File: VF062373.D
Acq: 8 May 2019 13:20

Tgt Ion:105 Resp: 255595
Ion Ratio Lower Upper
105 100
120 45.3 22.6 67.7

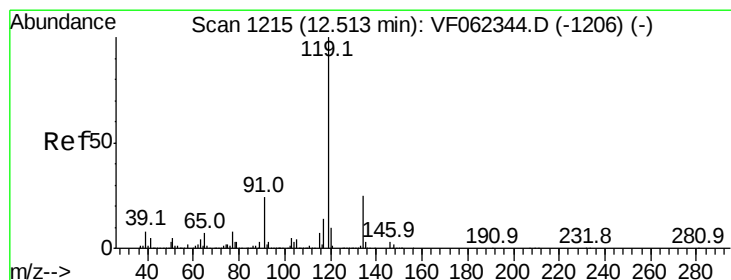
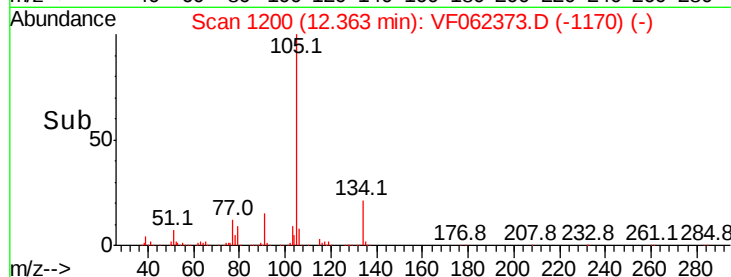
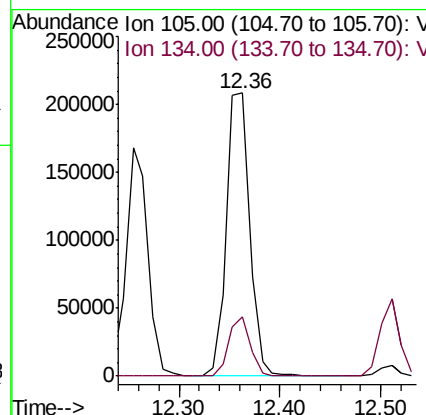
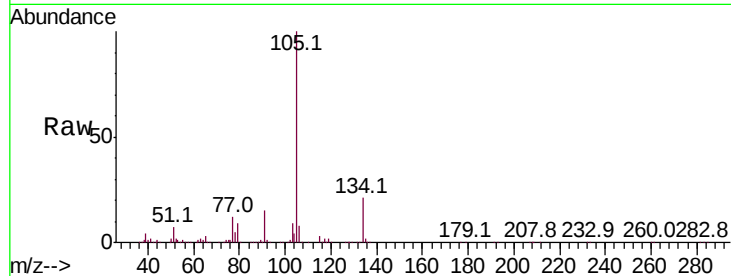




#85
 sec-Butylbenzene
 Concen: 22.872 ug/l
 RT: 12.36 min Scan# 1200
 Delta R.T. -0.00 min
 Lab File: VF062373.D
 Acq: 8 May 2019 13:20

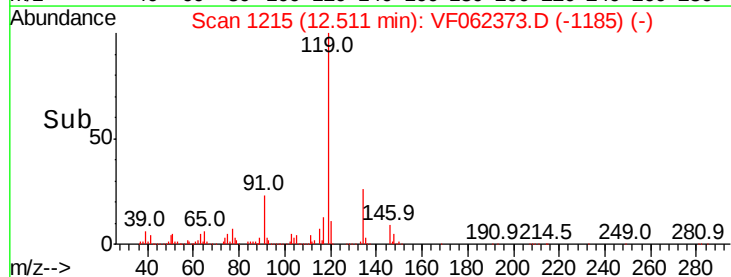
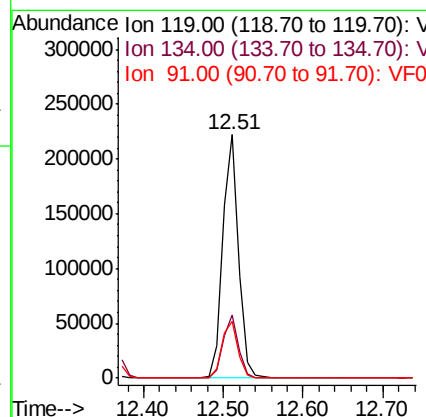
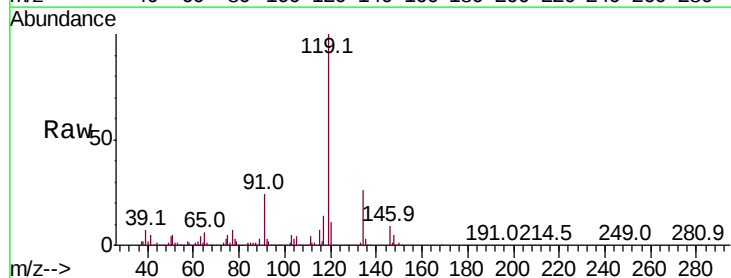
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0508SBS01

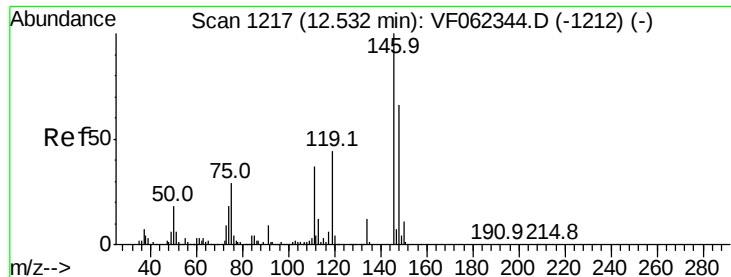
Tot Ion:105 Resp: 338280
 Ion Ratio Lower Upper
 105 100
 134 19.1 9.8 29.5



#86
 p-Isopropyltoluene
 Concen: 22.633 ug/l
 RT: 12.51 min Scan# 1215
 Delta R.T. -0.00 min
 Lab File: VF062373.D
 Acq: 8 May 2019 13:20

Tgt Ion:119 Resp: 311002
 Ion Ratio Lower Upper
 119 100
 134 25.2 12.9 38.7
 91 23.9 12.3 36.8





#87

1,3-Dichlorobenzene

Concen: 22.349 ug/l

RT: 12.53 min Scan# 1217

Delta R.T. -0.00 min

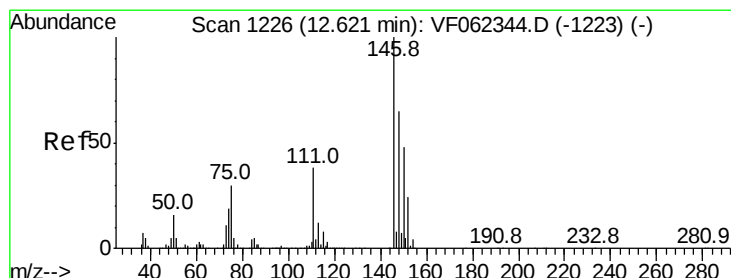
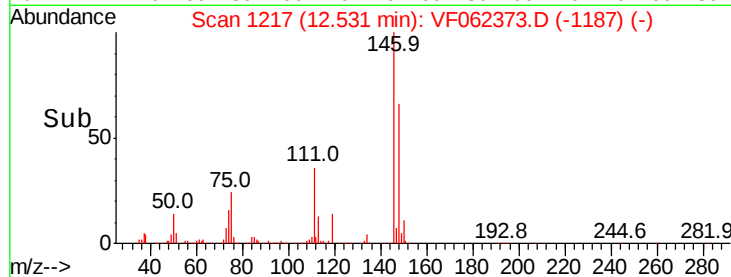
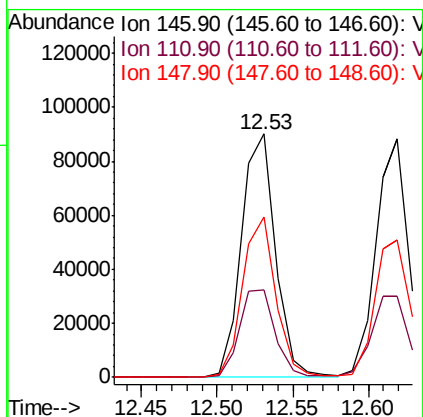
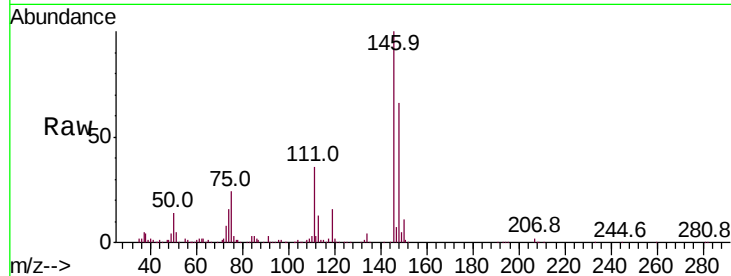
Lab File: VF062373.D

Acq: 8 May 2019 13:20

Instrument :
MSVOA_F
ClientSampleId :
VF0508SBS01

Tot Ion:146 Resp: 141306

Ion	Ratio	Lower	Upper
146	100		
111	37.9	18.3	54.8
148	64.7	32.3	96.9



#88

1,4-Dichlorobenzene

Concen: 22.114 ug/l

RT: 12.62 min Scan# 1226

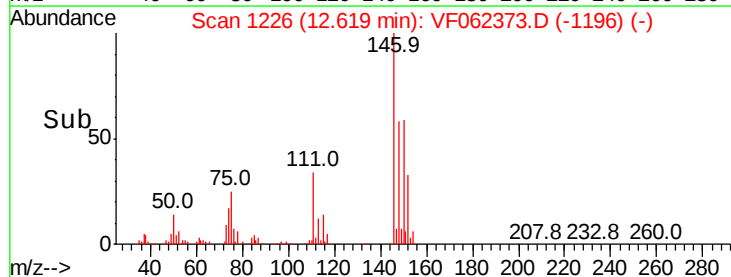
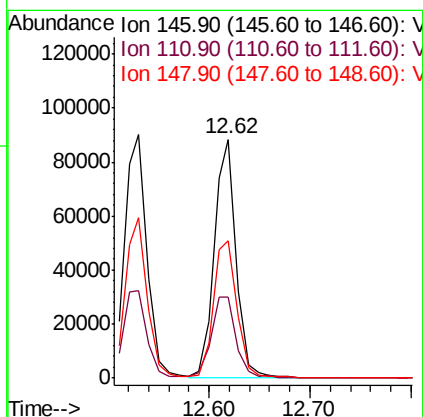
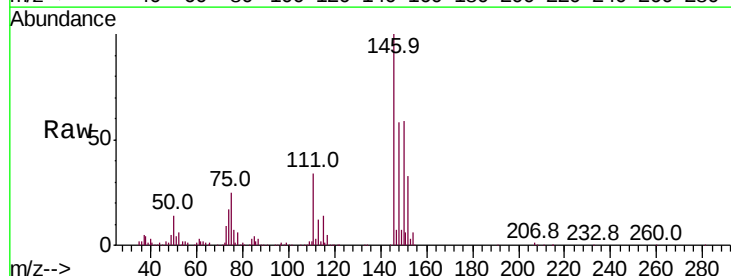
Delta R.T. -0.00 min

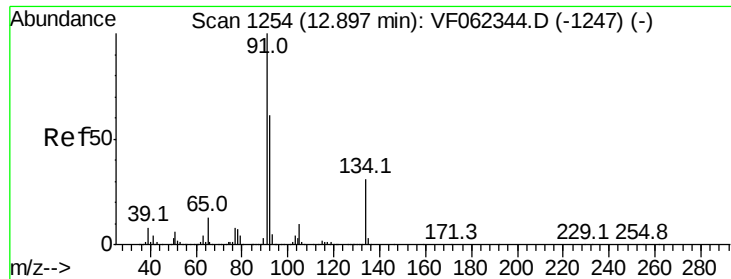
Lab File: VF062373.D

Acq: 8 May 2019 13:20

Tgt Ion:146 Resp: 134949

Ion	Ratio	Lower	Upper
146	100		
111	38.6	18.8	56.3
148	61.7	32.2	96.6





#89

n-Butylbenzene

Concen: 23.457 ug/l

RT: 12.89 min Scan# 1253

Delta R.T. -0.01 min

Lab File: VF062373.D

Acq: 8 May 2019 13:20

Instrument :

MSVOA_F

ClientSampleId :

VF0508SBS01

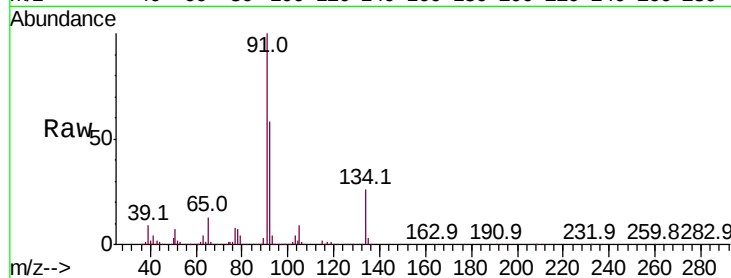
Tot Ion: 91 Resp: 286766

Ion Ratio Lower Upper

91 100

92 58.1 30.0 90.0

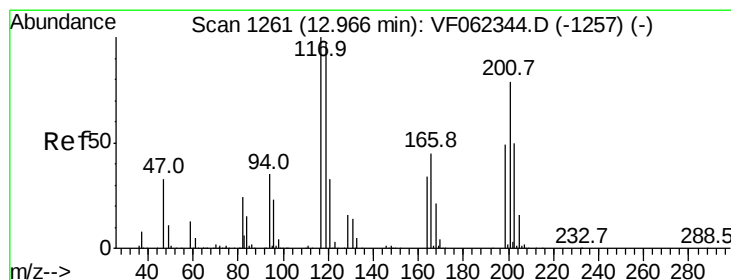
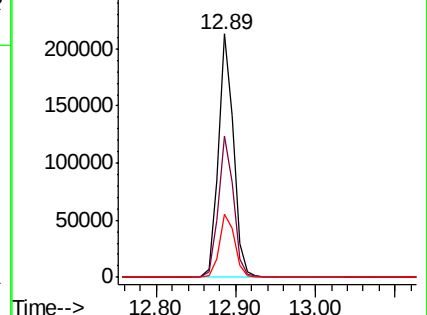
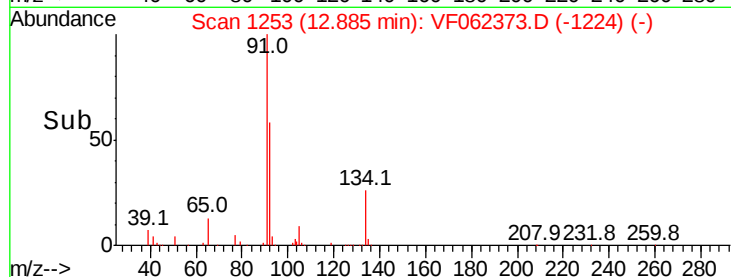
134 26.7 14.1 42.4



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 22.342 ug/l

RT: 12.96 min Scan# 1261

Delta R.T. -0.00 min

Lab File: VF062373.D

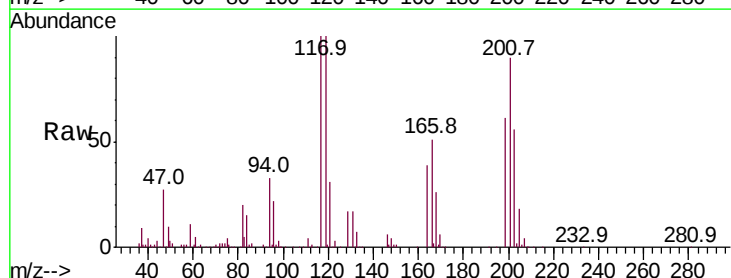
Acq: 8 May 2019 13:20

Tgt Ion: 117 Resp: 76655

Ion Ratio Lower Upper

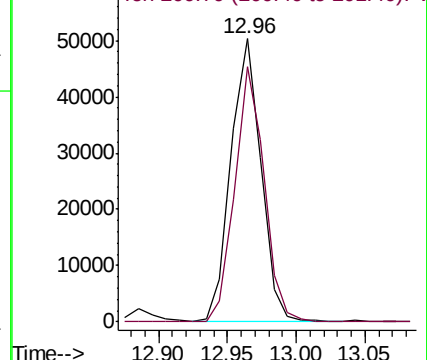
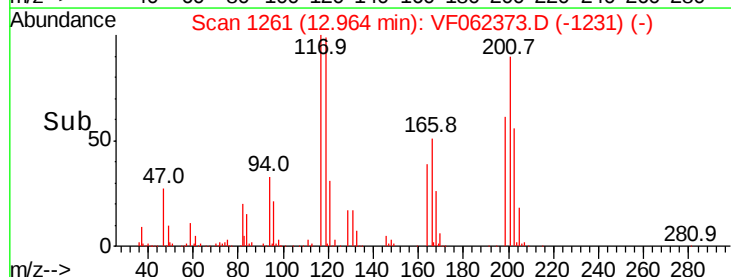
117 100

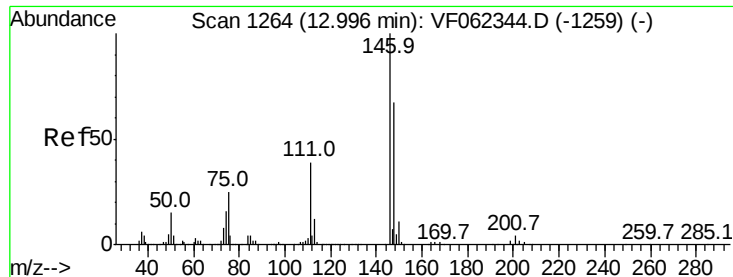
201 87.9 46.2 138.5



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 22.148 ug/l

RT: 12.98 min Scan# 1263

Delta R.T. -0.01 min

Lab File: VF062373.D

Acq: 8 May 2019 13:20

Instrument :

MSVOA_F

ClientSampleId :

VF0508SBS01

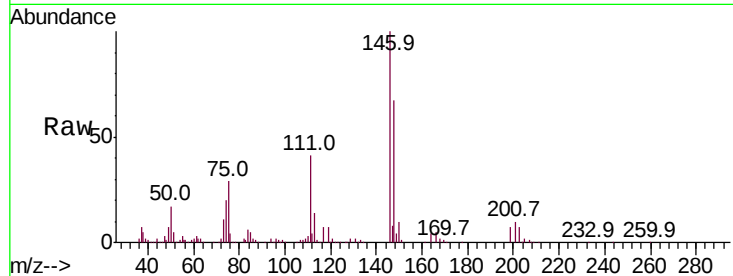
Tot Ion:146 Resp: 135544

Ion Ratio Lower Upper

146 100

111 39.0 20.0 60.0

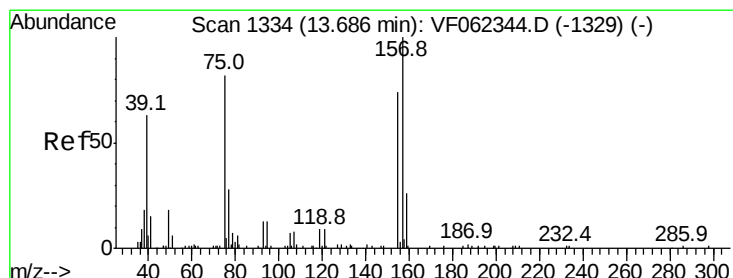
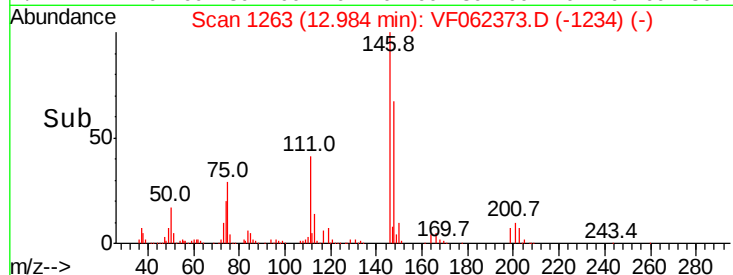
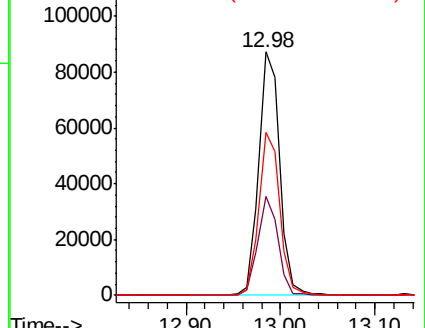
148 66.7 33.1 99.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 18.519 ug/l

RT: 13.68 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VF062373.D

Acq: 8 May 2019 13:20

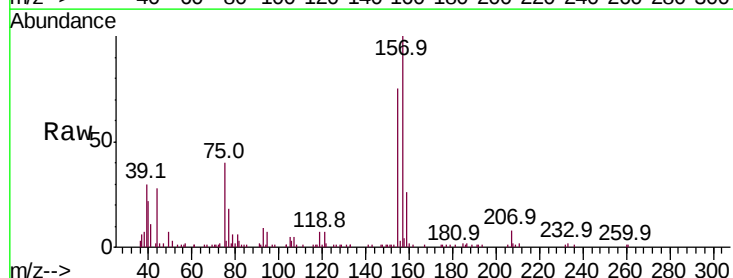
Tgt Ion: 75 Resp: 8569

Ion Ratio Lower Upper

75 100

155 158.8 51.8 155.4#

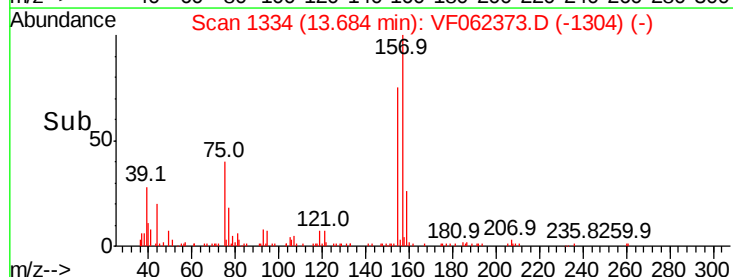
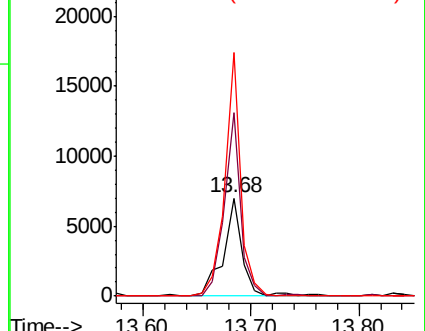
157 202.7 67.3 201.8#

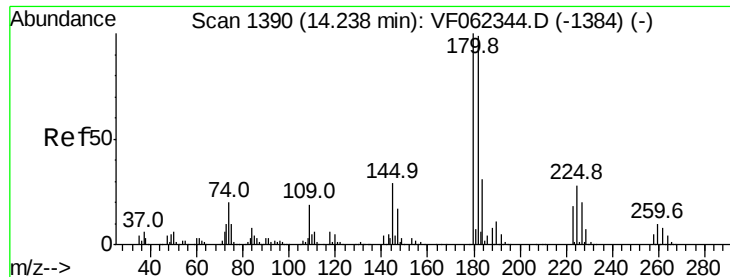


Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

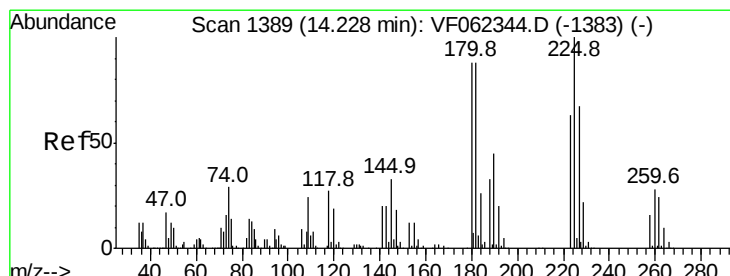
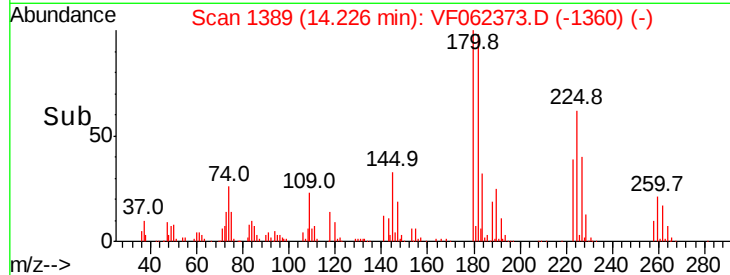
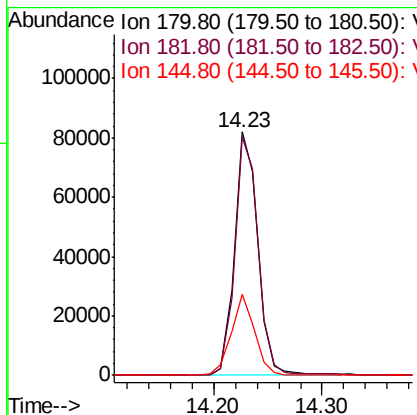
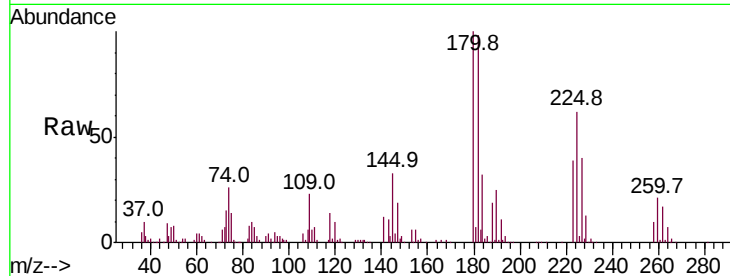




#93
 1,2,4-Trichlorobenzene
 Concen: 22.287 ug/l
 RT: 14.23 min Scan# 1389
 Delta R.T. -0.01 min
 Lab File: VF062373.D
 Acq: 8 May 2019 13:20

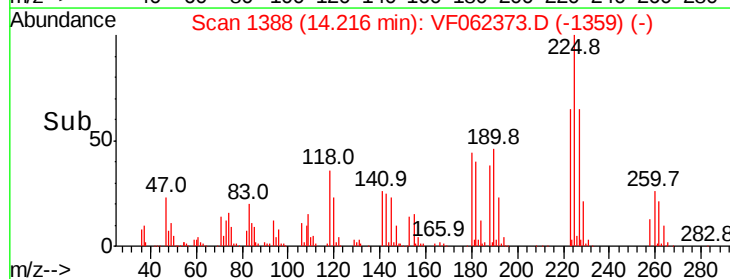
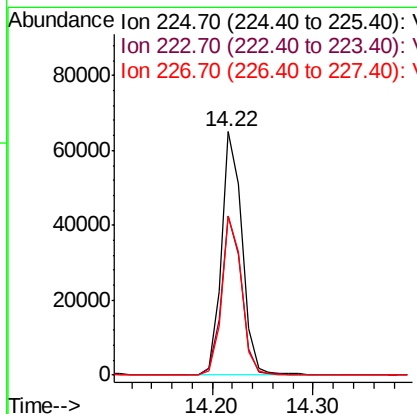
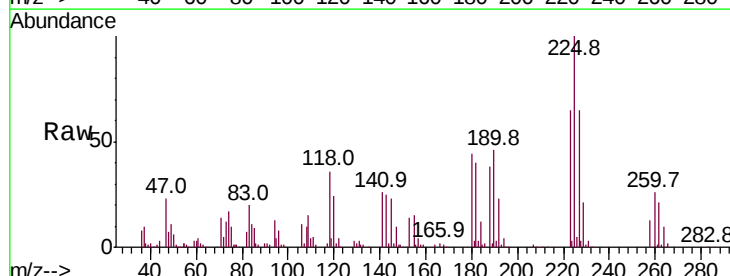
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0508SBS01

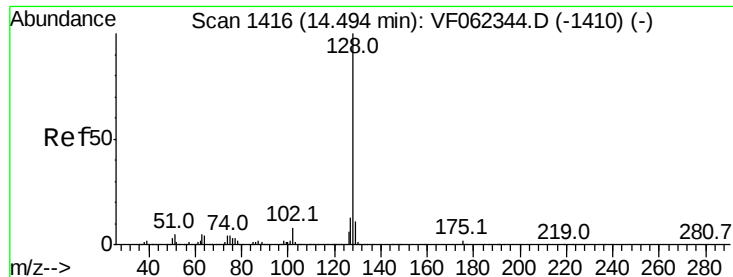
Tot Ion:180 Resp: 122338
 Ion Ratio Lower Upper
 180 100
 182 98.9 49.0 147.0
 145 33.4 16.7 50.1



#94
 Hexachlorobutadiene
 Concen: 22.623 ug/l
 RT: 14.22 min Scan# 1388
 Delta R.T. -0.01 min
 Lab File: VF062373.D
 Acq: 8 May 2019 13:20

Tgt Ion:225 Resp: 92559
 Ion Ratio Lower Upper
 225 100
 223 63.9 31.9 95.5
 227 62.8 33.1 99.5

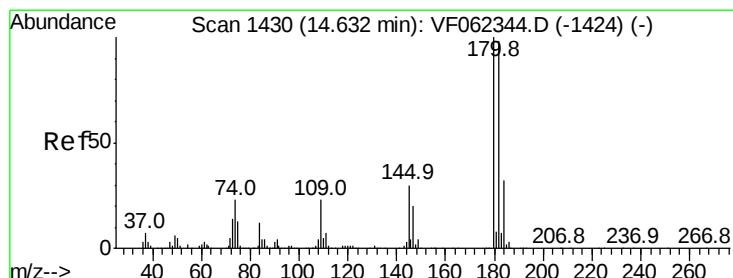
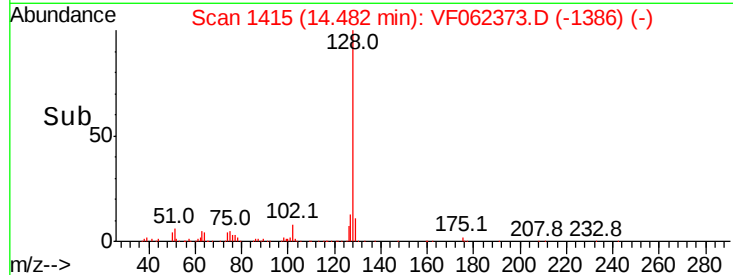
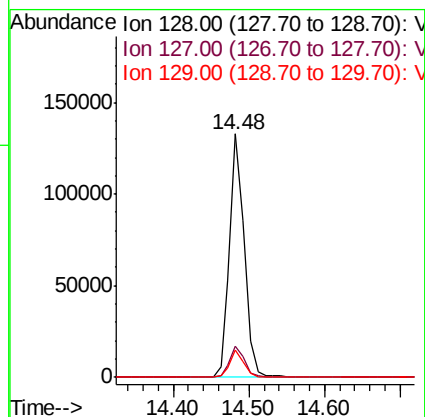
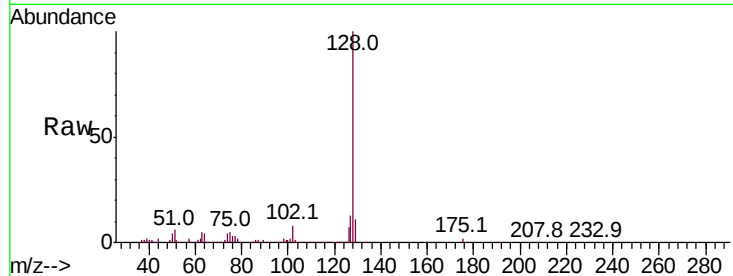




#95
Naphthalene
Concen: 21.849 ug/l
RT: 14.48 min Scan# 1415
Delta R.T. -0.01 min
Lab File: VF062373.D
Acq: 8 May 2019 13:20

Instrument :
MSVOA_F
ClientSampleId :
VF0508SBS01

Tot Ion:128 Resp: 180316
Ion Ratio Lower Upper
128 100
127 12.9 10.5 15.7
129 10.5 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 22.962 ug/l
RT: 14.63 min Scan# 1430
Delta R.T. -0.00 min
Lab File: VF062373.D
Acq: 8 May 2019 13:20

Tgt Ion:180 Resp: 122113
Ion Ratio Lower Upper
180 100
182 97.1 49.4 148.0
145 29.9 14.8 44.3

