

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051019\
 Data File : VF062435.D
 Acq On : 10 May 2019 23:02
 Operator : FY/SY
 Sample : VD0510SBS02
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0510SBS02

Quant Time: May 11 05:38:51 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	5.06	168	297682	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.78	114	406782	50.00	ug/l	0.01
63) Chlorobenzene-d5	9.91	117	333824	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.61	152	209358	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.04	65	167032	59.37	ug/l	0.02
Spiked Amount	50.000		Recovery	=	118.74%	
35) Dibromofluoromethane	4.31	113	188688	58.22	ug/l	0.01
Spiked Amount	50.000		Recovery	=	116.44%	
50) Toluene-d8	7.72	98	406177	51.78	ug/l	0.01
Spiked Amount	50.000		Recovery	=	103.56%	
62) 4-Bromofluorobenzene	11.50	95	187651	53.02	ug/l	0.01
Spiked Amount	50.000		Recovery	=	106.04%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.01	85	77876	22.604	ug/l	96
3) Chloromethane	1.16	50	48335	21.272	ug/l	96
4) Vinyl Chloride	1.20	62	48834	21.547	ug/l	97
5) Bromomethane	1.40	94	40221	22.120	ug/l	93
6) Chloroethane	1.45	64	27442	24.084	ug/l	92
7) Trichlorofluoromethane	1.56	101	107439	22.848	ug/l	99
8) Diethyl Ether	1.71	74	15690	22.051	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	1.91	101	60933	22.697	ug/l	94
10) Methyl Iodide	1.99	142	106294	24.026	ug/l	98
11) Tert butyl alcohol	2.71	59	14507	91.242	ug/l #	91
12) 1,1-Dichloroethene	1.88	96	48853	21.405	ug/l	95
13) Acrolein	2.11	56	8850	75.296	ug/l	95
14) Allyl chloride	2.20	41	74043	36.726	ug/l	97
15) Acrylonitrile	3.09	53	32002	106.256	ug/l	97
16) Acetone	2.35	43	55647	97.782	ug/l	99
17) Carbon Disulfide	1.93	76	107468	21.595	ug/l #	93
18) Methyl Acetate	2.47	43	24987	22.343	ug/l	100
19) Methyl tert-butyl Ether	2.55	73	105440	22.381	ug/l	92
20) Methylene Chloride	2.34	84	33719	16.377	ug/l	93
21) trans-1,2-Dichloroethene	2.43	96	48263	22.195	ug/l	93
22) Diisopropyl ether	2.94	45	143281	22.739	ug/l	92
23) Vinyl Acetate	3.36	43	301881	107.495	ug/l	99
24) 1,1-Dichloroethane	3.02	63	88797	23.317	ug/l	98
25) 2-Butanone	4.53	43	76128	106.478	ug/l	94
26) 2,2-Dichloropropane	3.78	77	48377	22.747	ug/l	96
27) cis-1,2-Dichloroethene	3.66	96	59525	21.899	ug/l	93
28) Bromochloromethane	3.91	49	32475	18.803	ug/l	94
29) Tetrahydrofuran	4.28	42	36281	110.412	ug/l	95
30) Chloroform	4.06	83	130084	25.284	ug/l	99
31) Cyclohexane	3.89	56	65117	21.422	ug/l	97
32) 1,1,1-Trichloroethane	4.29	97	93811	21.275	ug/l	89
36) 1,1-Dichloropropene	4.48	75	80392	23.006	ug/l	98
37) Ethyl Acetate	4.31	43	34891	22.772	ug/l #	94
38) Carbon Tetrachloride	4.20	117	98208	25.747	ug/l	94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051019\
 Data File : VF062435.D
 Acq On : 10 May 2019 23:02
 Operator : FY/SY
 Sample : VD0510SBS02
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0510SBS02

Quant Time: May 11 05:38:51 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)
39) Methylcyclohexane	5.64	83	76154	21.730	ug/l	97
40) Benzene	4.84	78	174397	22.664	ug/l	96
41) Methacrylonitrile	4.94	41	20097	23.985	ug/l	93
42) 1,2-Dichloroethane	5.14	62	72703	22.591	ug/l	100
43) Isopropyl Acetate	7.12	43	31644	19.909	ug/l #	97
44) Trichloroethene	5.69	130	66538	23.539	ug/l	94
45) 1,2-Dichloropropane	6.41	63	40230	23.082	ug/l	89
46) Dibromomethane	6.28	93	32046	22.176	ug/l	94
47) Bromodichloromethane	6.56	83	80585	22.304	ug/l	86
48) Methyl methacrylate	6.89	41	21533	19.171	ug/l	91
49) 1,4-Dioxane	6.88	88	5069	431.360	ug/l #	88
51) 4-Methyl-2-Pentanone	8.41	43	121404	100.802	ug/l	99
52) Toluene	7.78	92	104170	21.944	ug/l	97
53) t-1,3-Dichloropropene	8.43	75	57644	21.095	ug/l	96
54) cis-1,3-Dichloropropene	7.47	75	67752	21.304	ug/l	96
55) 1,1,2-Trichloroethane	8.64	97	31540	20.930	ug/l	92
56) Ethyl methacrylate	8.77	69	31185	19.604	ug/l	99
57) 1,3-Dichloropropane	9.01	76	50694	22.271	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.46	63	47006	98.288	ug/l	97
59) 2-Hexanone	9.63	43	81370	97.689	ug/l	98
60) Dibromochloromethane	8.87	129	53495	21.705	ug/l	99
61) 1,2-Dibromoethane	9.13	107	37336	21.080	ug/l	96
64) Tetrachloroethene	8.32	164	65861	24.302	ug/l	92
65) Chlorobenzene	9.93	112	128669	23.296	ug/l	91
66) 1,1,1,2-Tetrachloroethane	10.07	131	64929	23.303	ug/l	96
67) Ethyl Benzene	10.03	91	220259	22.773	ug/l	99
68) m/p-Xylenes	10.27	106	162480	45.531	ug/l	97
69) o-Xylene	10.82	106	84961	22.033	ug/l	97
70) Styrene	10.90	104	127126	21.997	ug/l	99
71) Bromoform	10.88	173	32175	21.077	ug/l #	96
73) Isopropylbenzene	11.21	105	281345	22.668	ug/l	98
74) N-amyl acetate	11.45	43	54369	20.404	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.78	83	43078	22.167	ug/l	99
76) 1,2,3-Trichloropropane	11.87	75	32976	22.241	ug/l #	100
77) Bromobenzene	11.59	156	72659	22.306	ug/l	99
78) n-propylbenzene	11.68	91	297022	22.478	ug/l	97
79) 2-Chlorotoluene	11.80	91	184284	22.428	ug/l	98
80) 1,3,5-Trimethylbenzene	11.89	105	252277	23.190	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.94	75	7530	13.511	ug/l #	49
82) 4-Chlorotoluene	11.97	91	179553	22.125	ug/l	99
83) tert-Butylbenzene	12.20	119	255147	22.317	ug/l	99
84) 1,2,4-Trimethylbenzene	12.27	105	247316	23.231	ug/l	99
85) sec-Butylbenzene	12.37	105	315584	22.678	ug/l	99
86) p-Isopropyltoluene	12.53	119	288581	22.320	ug/l	99
87) 1,3-Dichlorobenzene	12.55	146	139730	23.488	ug/l	99
88) 1,4-Dichlorobenzene	12.63	146	129569	22.566	ug/l	99
89) n-Butylbenzene	12.90	91	265751	23.103	ug/l	97
90) Hexachloroethane	12.98	117	68430	21.197	ug/l	99
91) 1,2-Dichlorobenzene	13.00	146	133656	23.211	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.69	75	9253	21.253	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051019\
Data File : VF062435.D
Acq On : 10 May 2019 23:02
Operator : FY/SY
Sample : VD0510SBS02
Misc : 5.00g/5mL/MSVOA F/SOIL
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VF0510SBS02

Quant Time: May 11 05:38:51 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

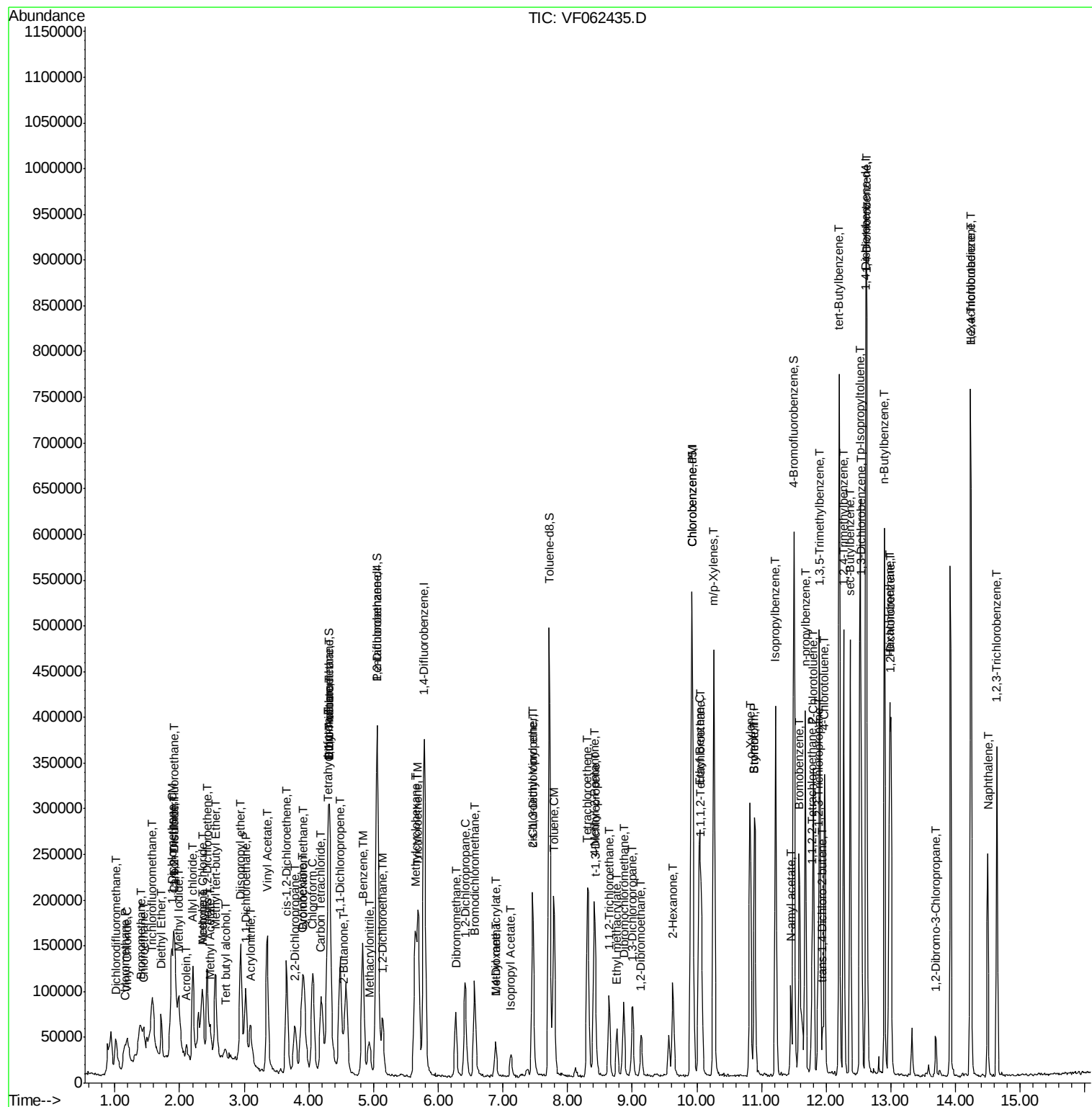
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	120212	23.275	ug/l	99
94) Hexachlorobutadiene	14.23	225	94384	24.518	ug/l	96
95) Naphthalene	14.50	128	167479	21.569	ug/l	100
96) 1,2,3-Trichlorobenzene	14.64	180	118323	23.647	ug/l	98

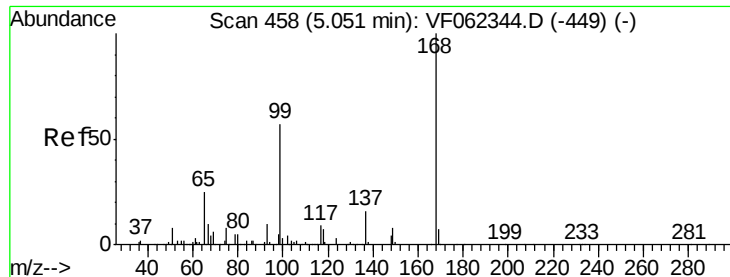
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF051019\
 Data File : VF062435.D
 Acq On : 10 May 2019 23:02
 Operator : FY/SY
 Sample : VD0510SBS02
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0510SBS02

Quant Time: May 11 05:38:51 2019
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82F050619S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 04:34:57 2019
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.06 min Scan# 460

Delta R.T. 0.01 min

Lab File: VF062435.D

Acq: 10 May 2019 23:02

Instrument :

MSVOA_F

ClientSampleId :

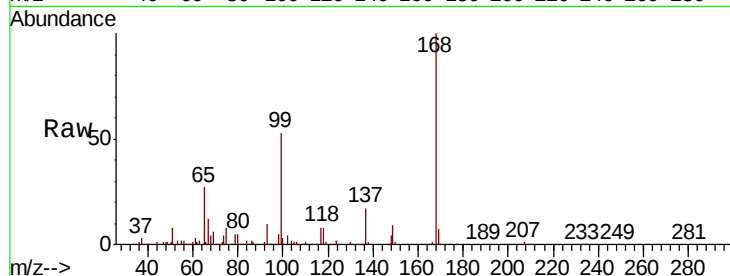
VF0510SBS02

Tot Ion:168 Resp: 297682

Ion Ratio Lower Upper

168 100

99 52.9 45.9 68.9



Abundance Ion 167.90 (167.60 to 168.60): VF0

Ion 98.90 (98.60 to 99.60): VF0

5.06

100000

80000

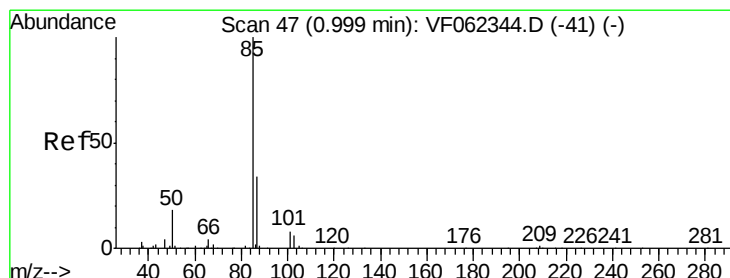
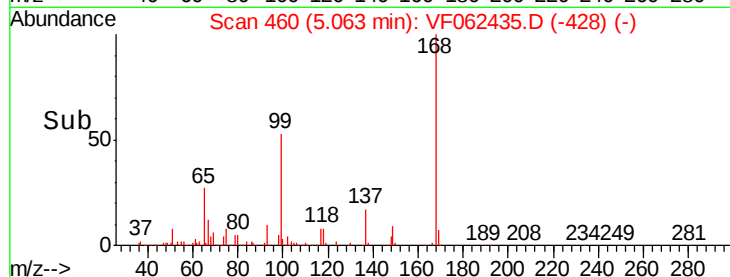
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 22.604 ug/l

RT: 1.01 min Scan# 49

Delta R.T. 0.01 min

Lab File: VF062435.D

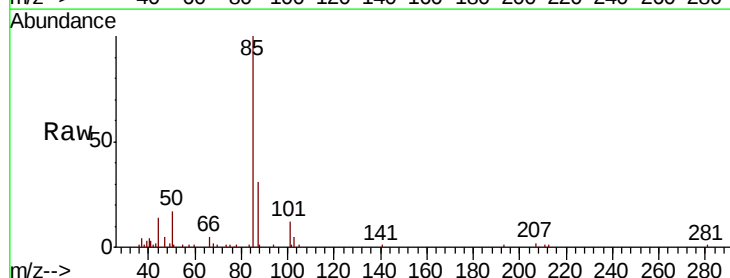
Acq: 10 May 2019 23:02

Tgt Ion: 85 Resp: 77876

Ion Ratio Lower Upper

85 100

87 31.4 16.8 50.4



Abundance Ion 84.90 (84.60 to 85.60): VF0

Ion 86.90 (86.60 to 87.60): VF0

1.01

25000

20000

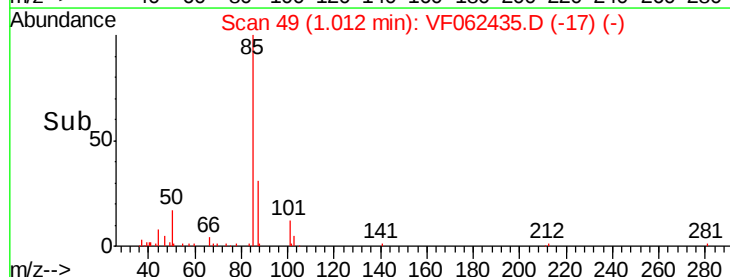
15000

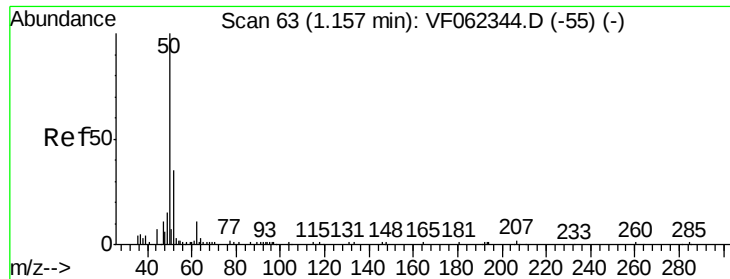
10000

5000

0

Time-->





#3

Chloromethane

Concen: 21.272 ug/l

RT: 1.16 min Scan# 64

Delta R.T. 0.00 min

Lab File: VF062435.D

Acq: 10 May 2019 23:02

Instrument :

MSVOA_F

ClientSampleId :

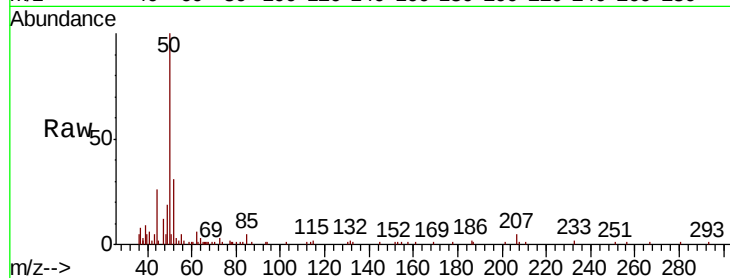
VF0510SBS02

Tot Ion: 50 Resp: 48335

Ion Ratio Lower Upper

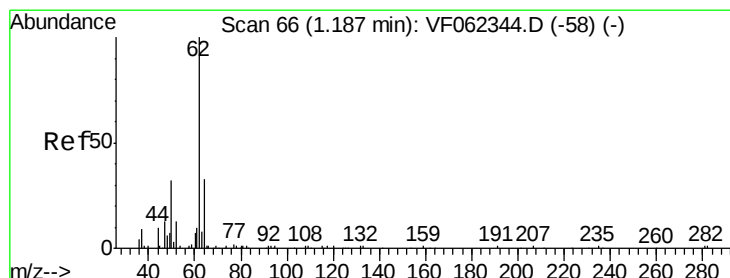
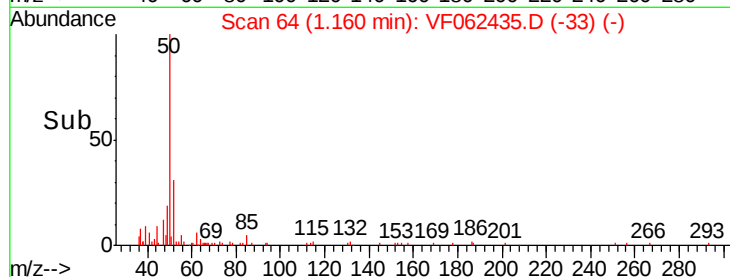
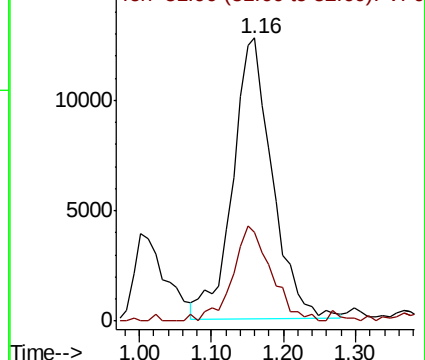
50 100

52 30.4 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VF0

Ion 51.90 (51.60 to 52.60): VF0



#4

Vinyl Chloride

Concen: 21.547 ug/l

RT: 1.20 min Scan# 68

Delta R.T. 0.01 min

Lab File: VF062435.D

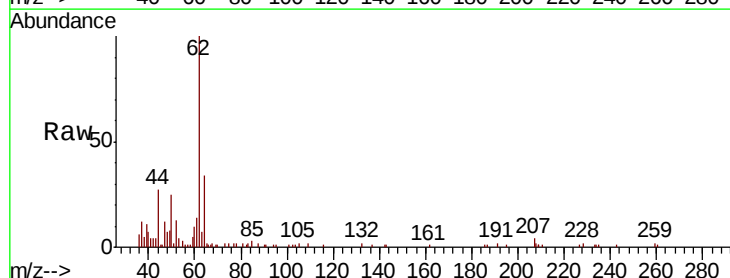
Acq: 10 May 2019 23:02

Tgt Ion: 62 Resp: 48834

Ion Ratio Lower Upper

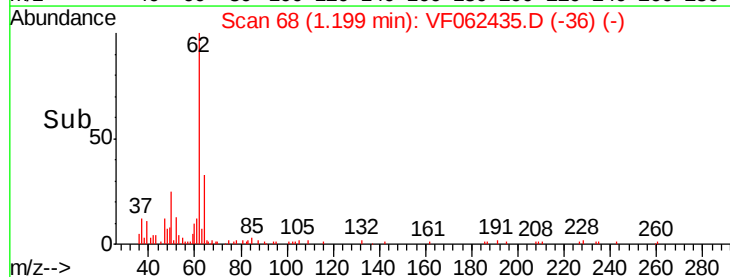
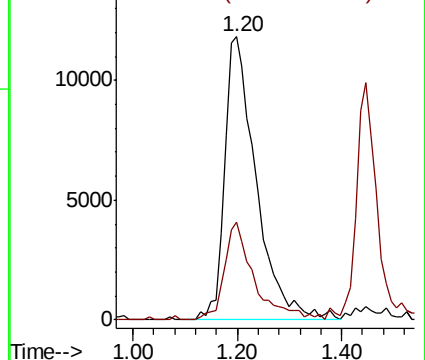
62 100

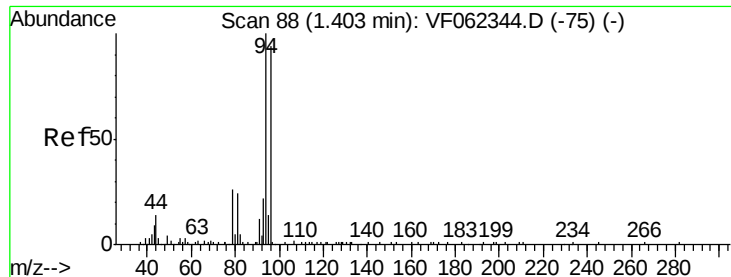
64 34.4 26.1 39.1



Abundance Ion 61.90 (61.60 to 62.60): VF0

Ion 63.90 (63.60 to 64.60): VF0





#5

Bromomethane

Concen: 22.120 ug/l

RT: 1.40 min Scan# 88

Delta R.T. -0.01 min

Lab File: VF062435.D

Acq: 10 May 2019 23:02

Instrument :

MSVOA_F

ClientSampleId :

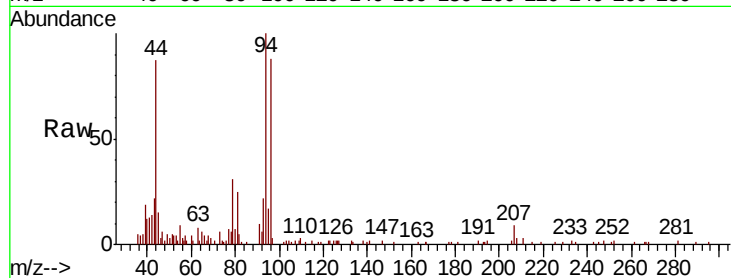
VF0510SBS02

Tot Ion: 94 Resp: 40221

Ion Ratio Lower Upper

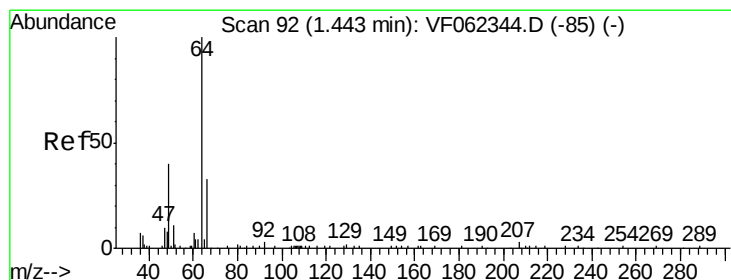
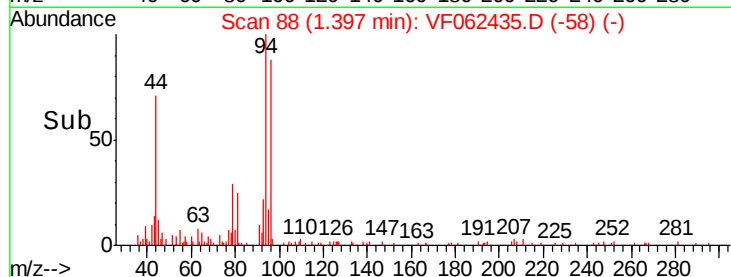
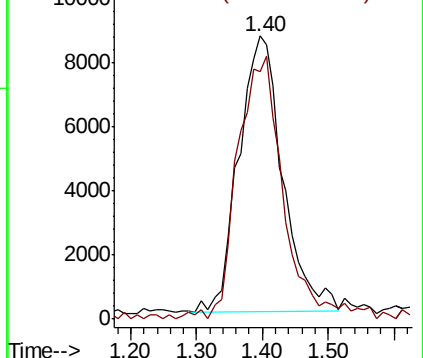
94 100

96 87.8 75.4 113.2



Abundance Ion 93.90 (93.60 to 94.60): VF0

Ion 95.90 (95.60 to 96.60): VF0



#6

Chloroethane

Concen: 24.084 ug/l

RT: 1.45 min Scan# 93

Delta R.T. 0.00 min

Lab File: VF062435.D

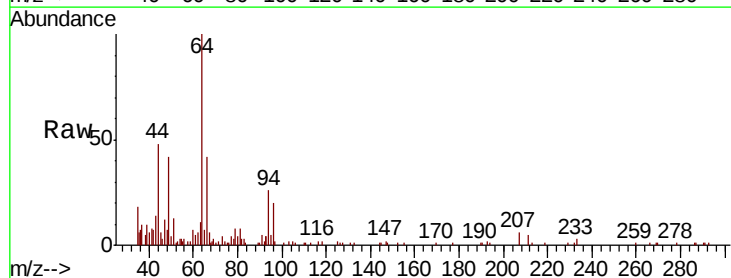
Acq: 10 May 2019 23:02

Tgt Ion: 64 Resp: 27442

Ion Ratio Lower Upper

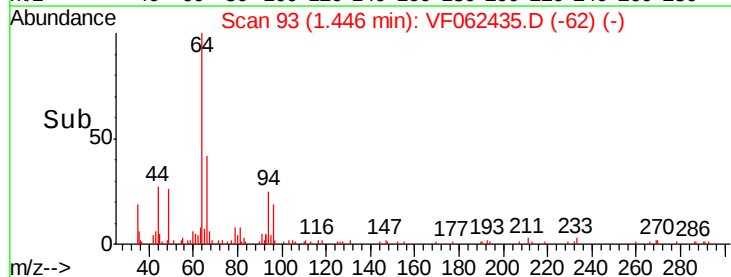
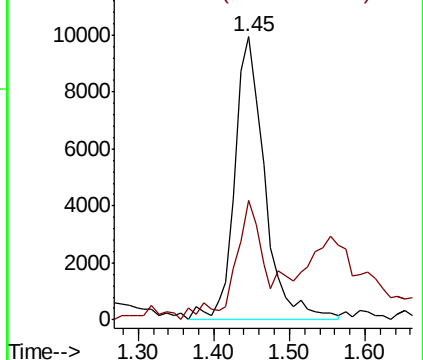
64 100

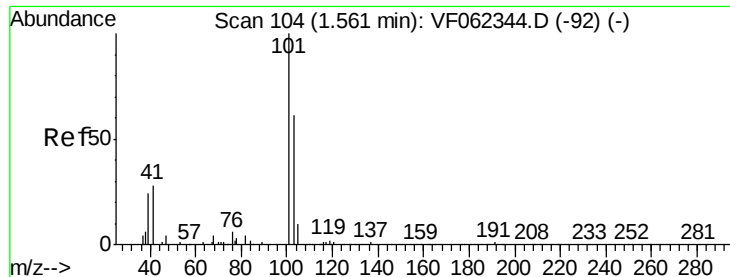
66 38.0 26.6 39.8



Abundance Ion 63.90 (63.60 to 64.60): VF0

Ion 65.90 (65.60 to 66.60): VF0



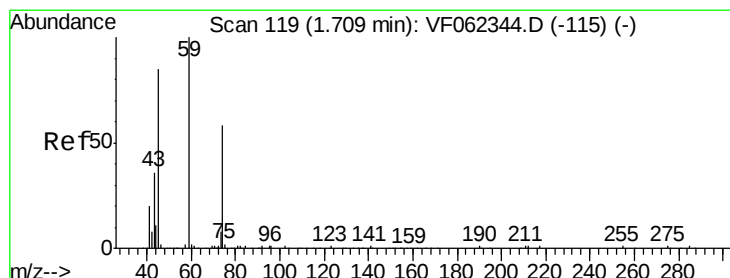
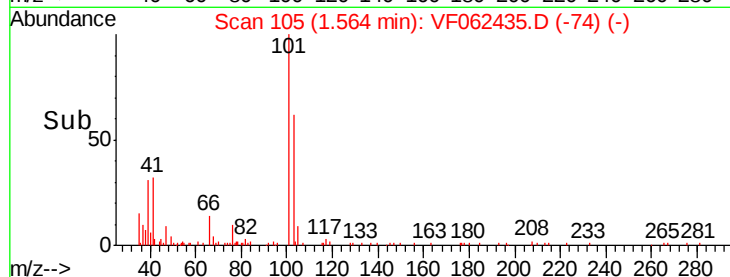
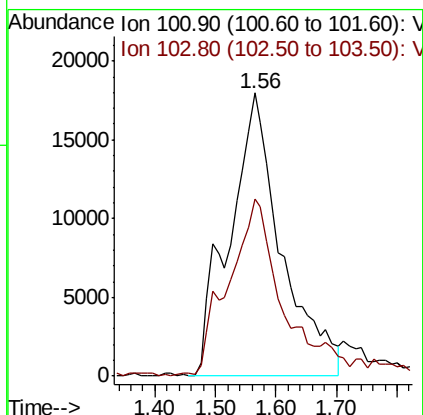
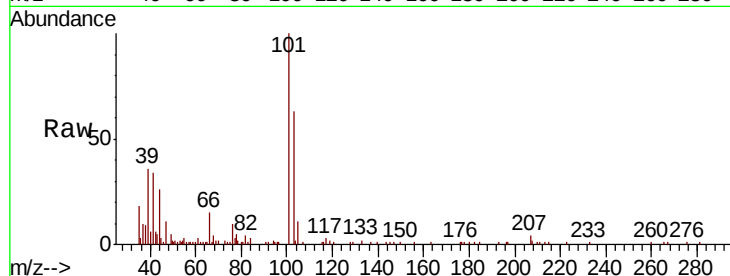


#7

Trichlorofluoromethane
Concen: 22.848 ug/l
RT: 1.56 min Scan# 105
Delta R.T. 0.00 min
Lab File: VF062435.D
Acq: 10 May 2019 23:02

Instrument :
MSVOA_F
ClientSampleId :
VF0510SBS02

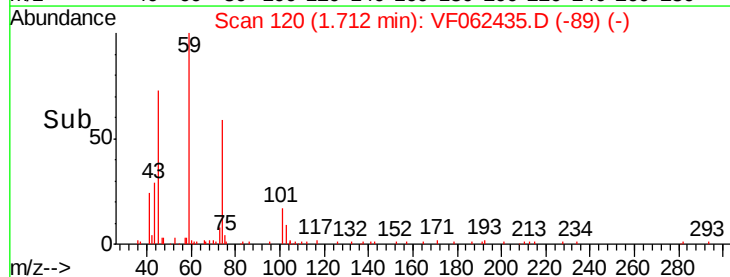
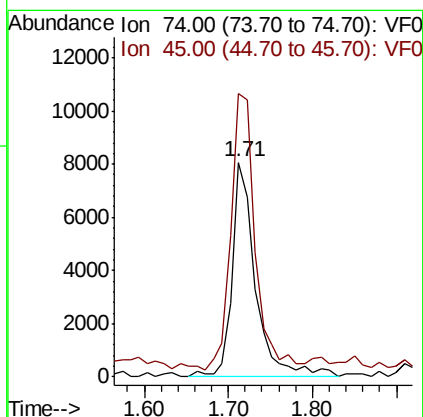
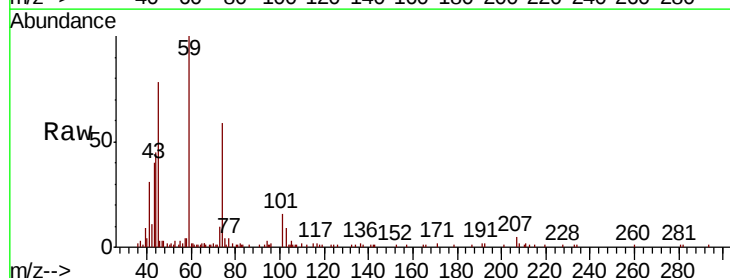
Tot Ion:101 Resp: 107439
Ion Ratio Lower Upper
101 100
103 61.4 48.5 72.7



#8

Diethyl Ether
Concen: 22.051 ug/l
RT: 1.71 min Scan# 120
Delta R.T. 0.00 min
Lab File: VF062435.D
Acq: 10 May 2019 23:02

Tgt Ion: 74 Resp: 15690
Ion Ratio Lower Upper
74 100
45 132.3 73.9 221.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.697 ug/l

RT: 1.91 min Scan# 140

Delta R.T. -0.01 min

Lab File: VF062435.D

Acq: 10 May 2019 23:02

Instrument :

MSVOA_F

ClientSampleId :

VF0510SBS02

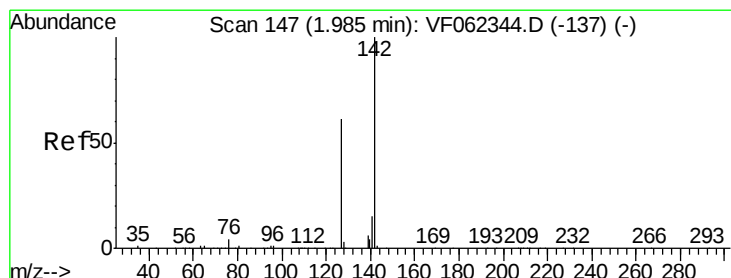
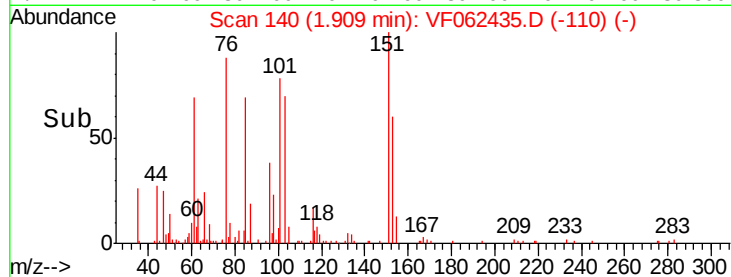
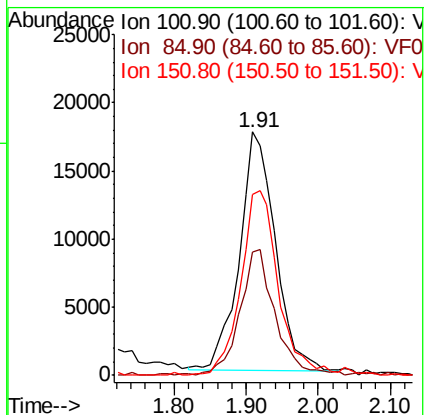
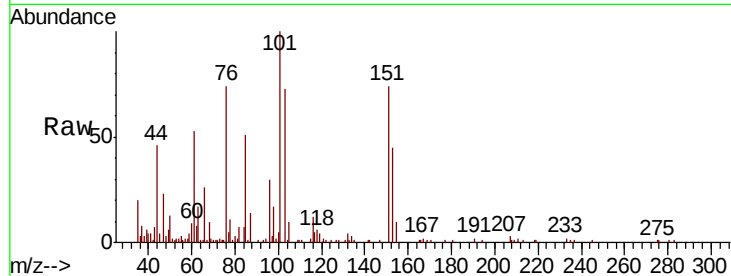
Tot Ion:101 Resp: 60933

Ion Ratio Lower Upper

101 100

85 52.0 39.5 59.3

151 80.8 59.9 89.9



#10

Methyl Iodide

Concen: 24.026 ug/l

RT: 1.99 min Scan# 148

Delta R.T. 0.00 min

Lab File: VF062435.D

Acq: 10 May 2019 23:02

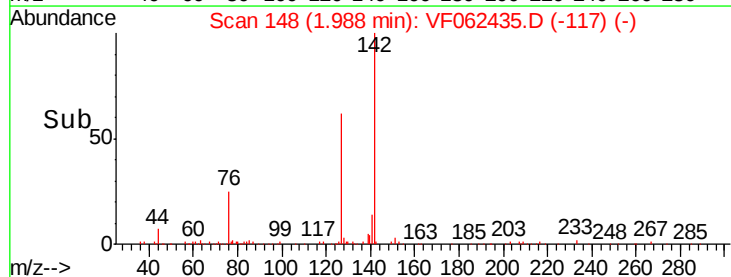
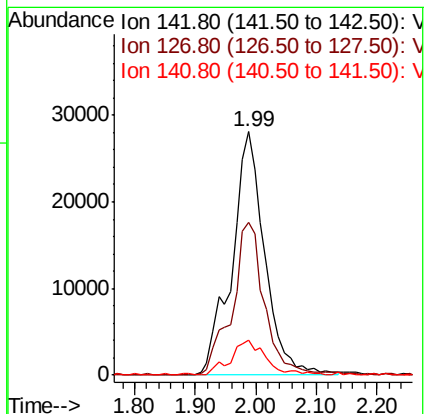
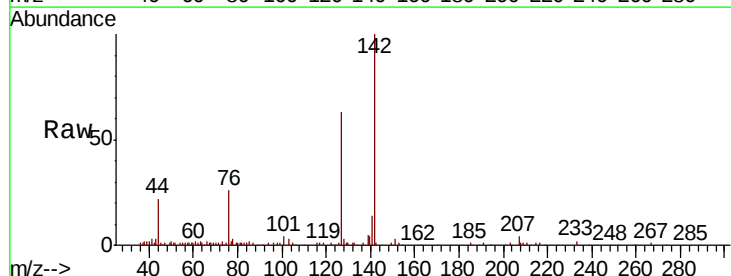
Tgt Ion:142 Resp: 106294

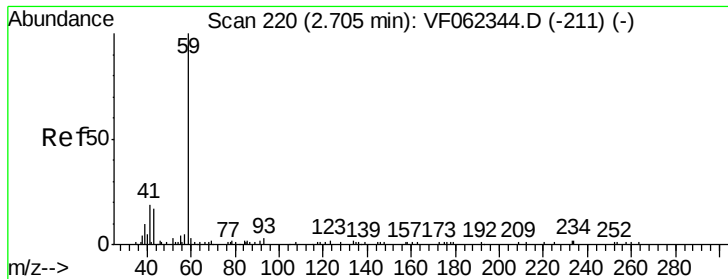
Ion Ratio Lower Upper

142 100

127 62.1 48.4 72.6

141 15.4 12.2 18.4



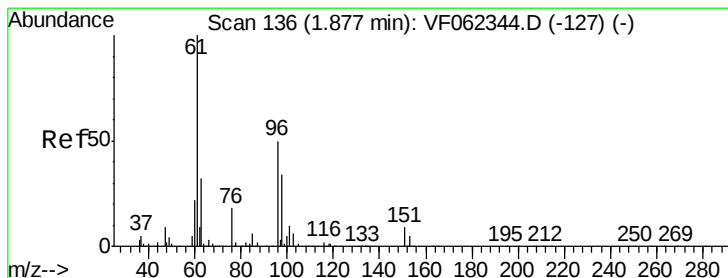
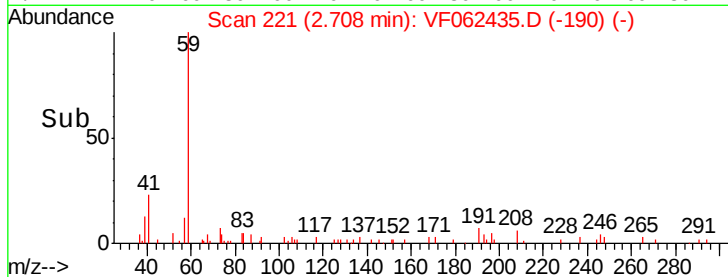
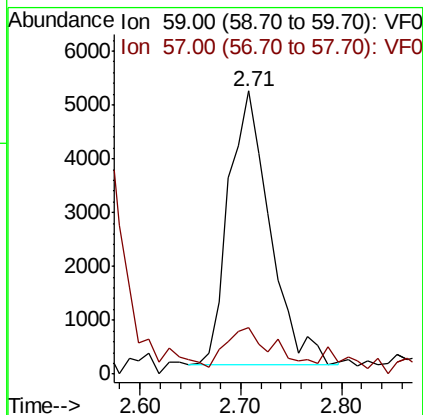
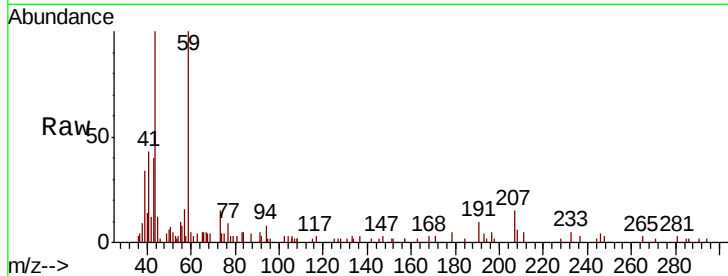


#11

Tert butyl alcohol
 Concen: 91.242 ug/l
 RT: 2.71 min Scan# 221
 Delta R.T. 0.00 min
 Lab File: VF062435.D
 Acq: 10 May 2019 23:02

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0510SBS02

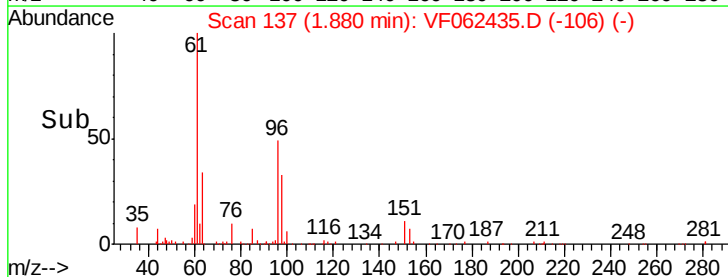
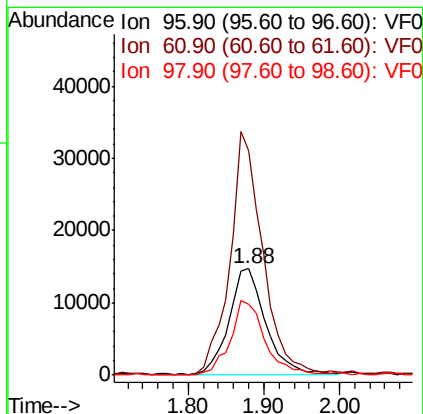
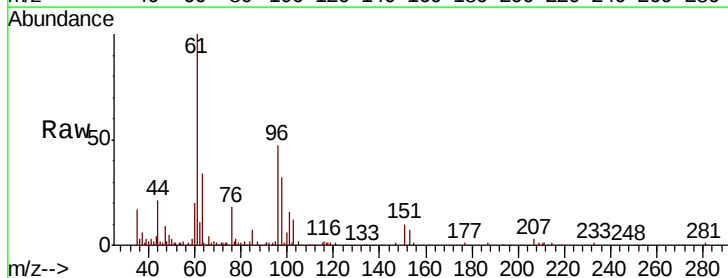
Tot Ion: 59 Resp: 14507
 Ion Ratio Lower Upper
 59 100
 57 14.9 9.3 13.9#

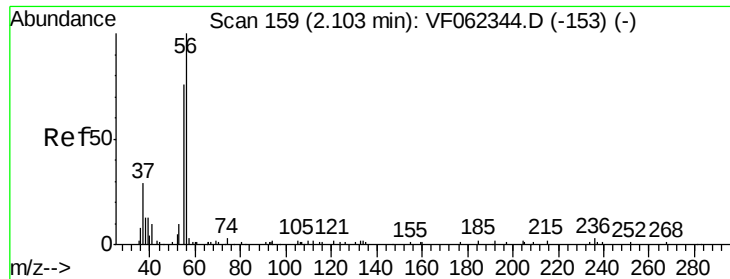


#12

1,1-Dichloroethene
 Concen: 21.405 ug/l
 RT: 1.88 min Scan# 137
 Delta R.T. 0.00 min
 Lab File: VF062435.D
 Acq: 10 May 2019 23:02

Tgt Ion: 96 Resp: 48853
 Ion Ratio Lower Upper
 96 100
 61 212.4 163.2 244.8
 98 67.5 55.2 82.8

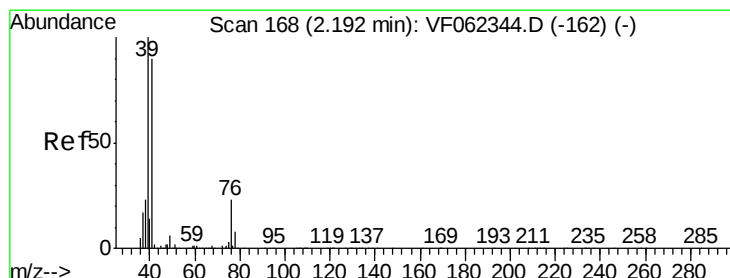
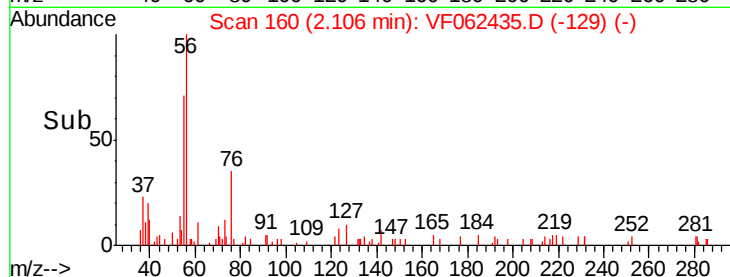
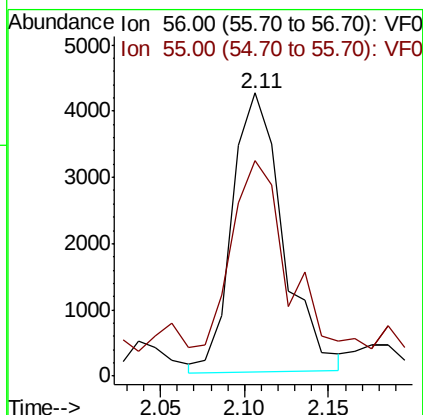
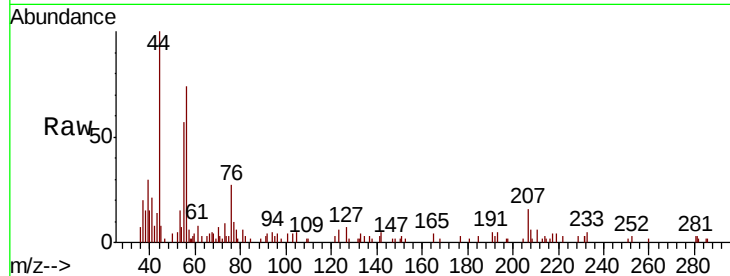




#13
Acrolein
Concen: 75.296 ug/l
RT: 2.11 min Scan# 160
Delta R.T. 0.00 min
Lab File: VF062435.D
Acq: 10 May 2019 23:02

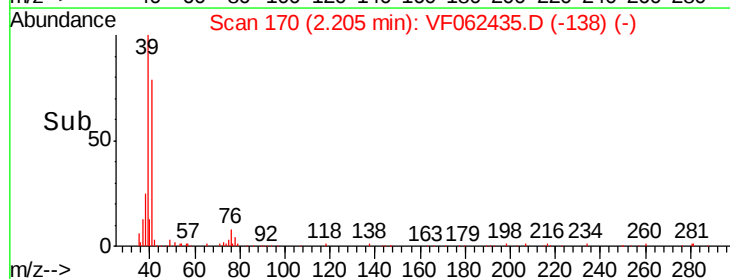
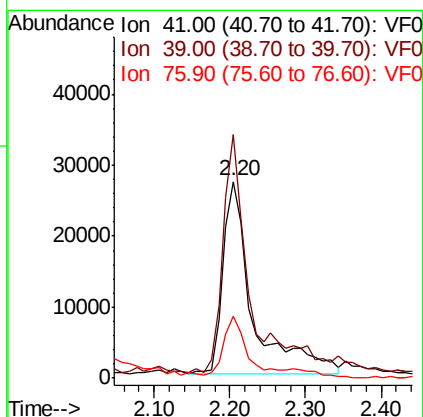
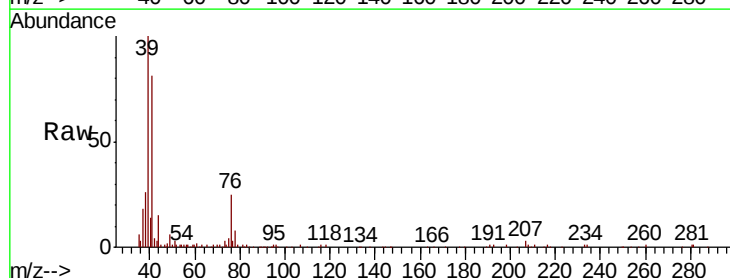
Instrument :
MSVOA_F
ClientSampleId :
VF0510SBS02

Tot Ion: 56 Resp: 8850
Ion Ratio Lower Upper
56 100
55 69.1 58.4 87.6



#14
Allyl chloride
Concen: 36.726 ug/l
RT: 2.20 min Scan# 170
Delta R.T. 0.01 min
Lab File: VF062435.D
Acq: 10 May 2019 23:02

Tgt Ion: 41 Resp: 74043
Ion Ratio Lower Upper
41 100
39 112.4 90.8 136.2
76 22.9 22.2 33.4





#15

Acrylonitrile

Concen: 106.256 ug/l

RT: 3.09 min Scan# 260

Delta R.T. 0.00 min

Lab File: VF062435.D

Acq: 10 May 2019 23:02

Instrument :

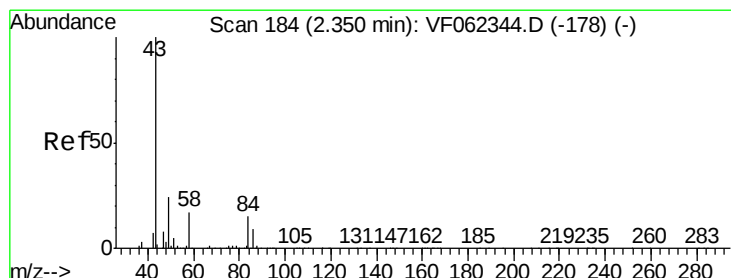
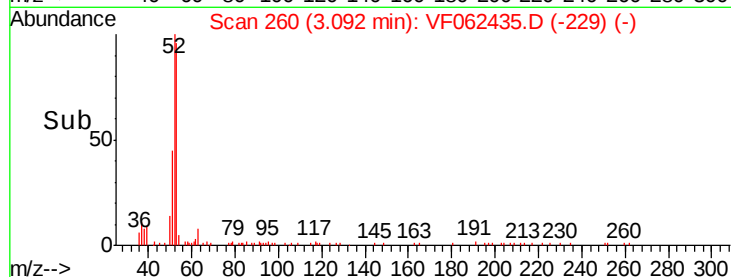
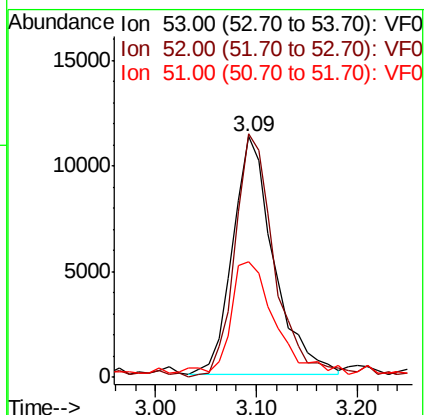
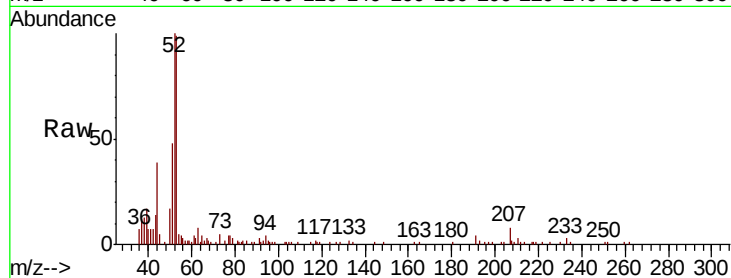
MSVOA_F

ClientSampleId :

VF0510SBS02

Tot Ion: 53 Resp: 32002

Ion	Ratio	Lower	Upper
53	100		
52	99.2	77.2	115.8
51	52.8	40.6	61.0



#16

Acetone

Concen: 97.782 ug/l

RT: 2.35 min Scan# 185

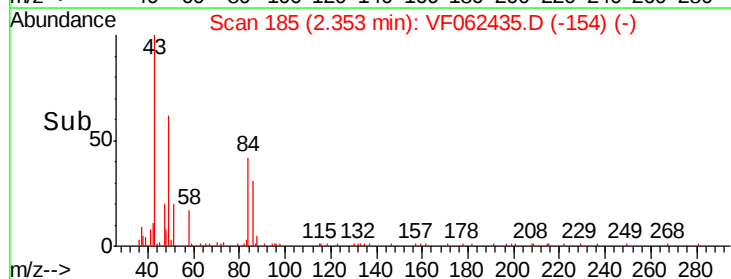
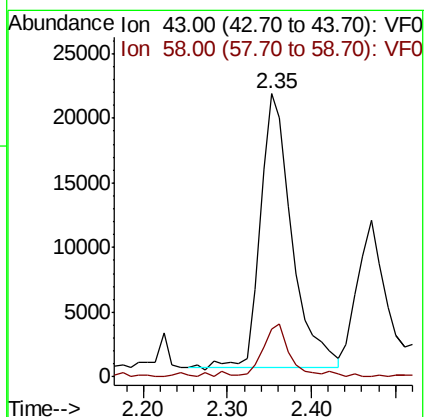
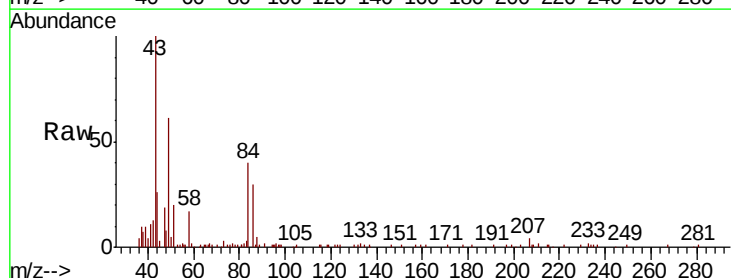
Delta R.T. 0.00 min

Lab File: VF062435.D

Acq: 10 May 2019 23:02

Tgt Ion: 43 Resp: 55647

Ion	Ratio	Lower	Upper
43	100		
58	17.0	13.1	19.7

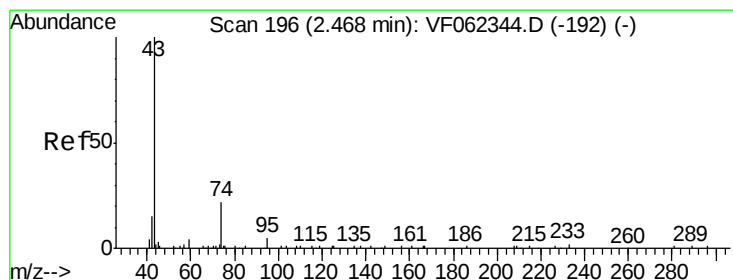
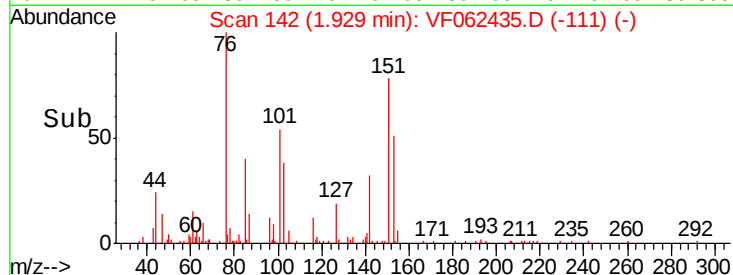
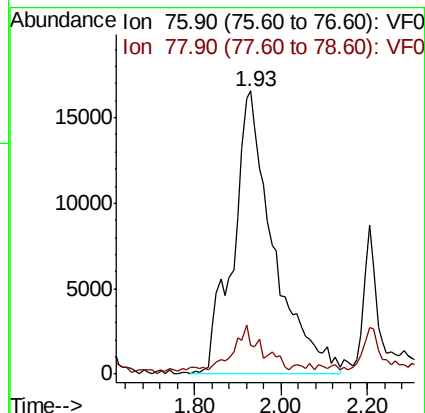
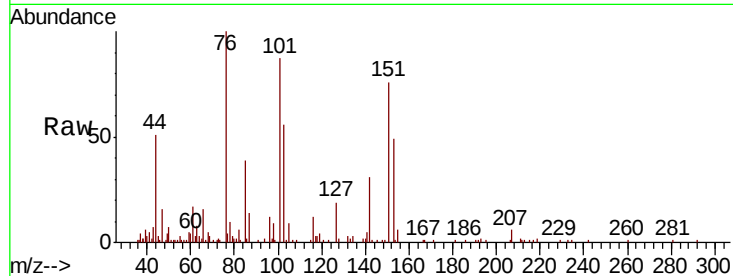




#17
Carbon Disulfide
Concen: 21.595 ug/l
RT: 1.93 min Scan# 142
Delta R.T. 0.00 min
Lab File: VF062435.D
Acq: 10 May 2019 23:02

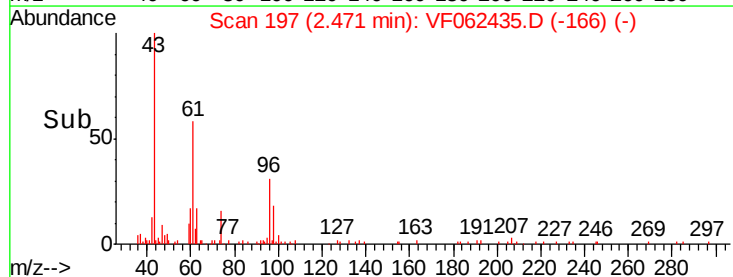
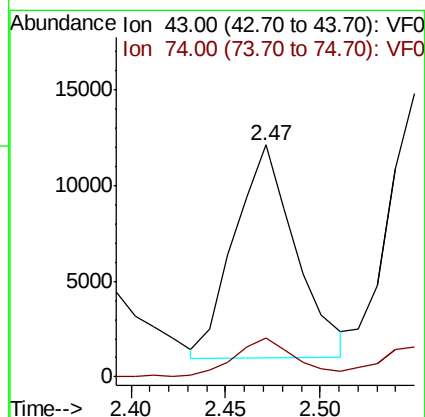
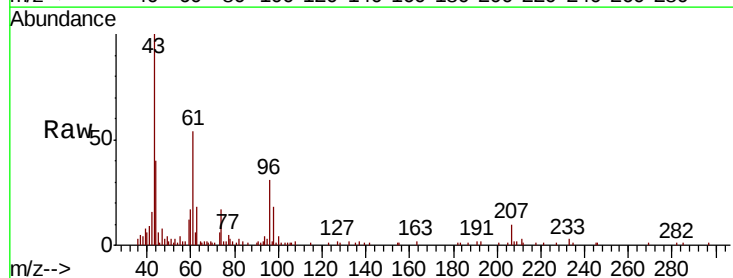
Instrument :
MSVOA_F
ClientSampleId :
VF0510SBS02

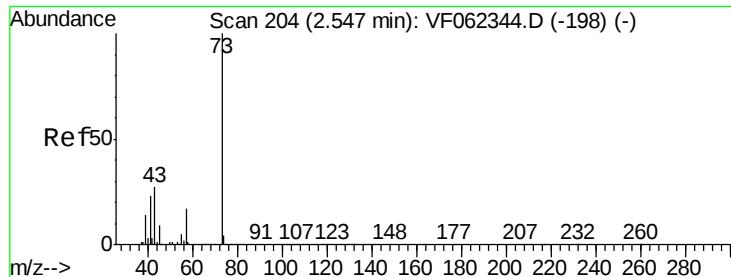
Tot Ion: 76 Resp: 107468
Ion Ratio Lower Upper
76 100
78 8.6 9.0 13.4#



#18
Methyl Acetate
Concen: 22.343 ug/l
RT: 2.47 min Scan# 197
Delta R.T. 0.00 min
Lab File: VF062435.D
Acq: 10 May 2019 23:02

Tgt Ion: 43 Resp: 24987
Ion Ratio Lower Upper
43 100
74 18.7 15.0 22.4



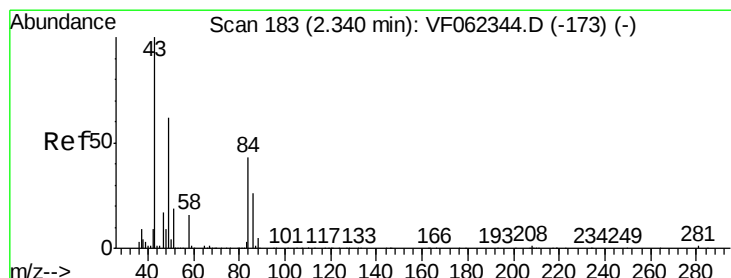
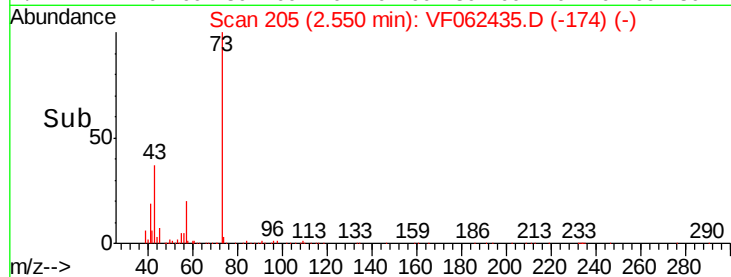
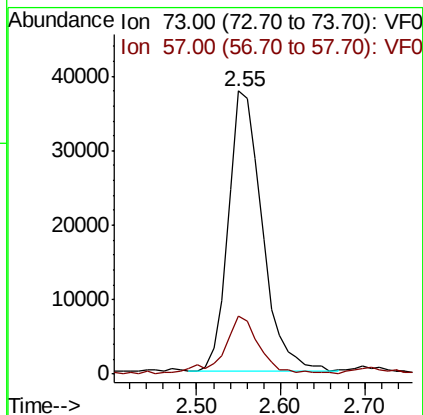
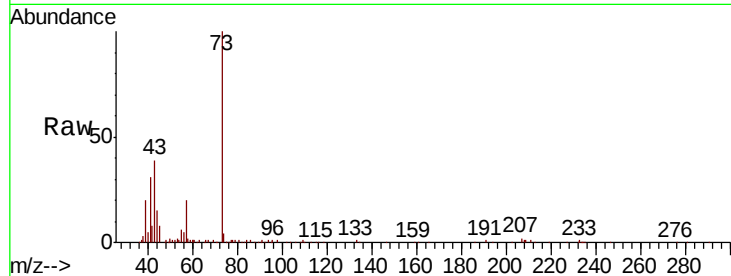


#19

Methyl tert-butyl Ether
 Concen: 22.381 ug/l
 RT: 2.55 min Scan# 205
 Delta R.T. 0.00 min
 Lab File: VF062435.D
 Acq: 10 May 2019 23:02

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0510SBS02

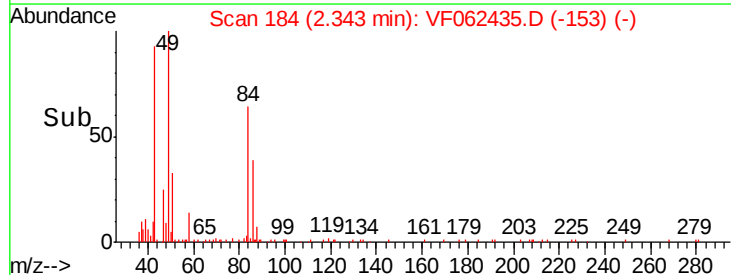
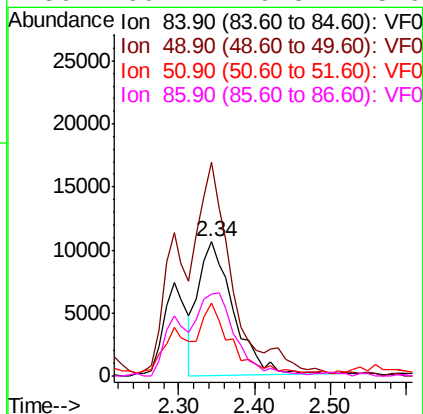
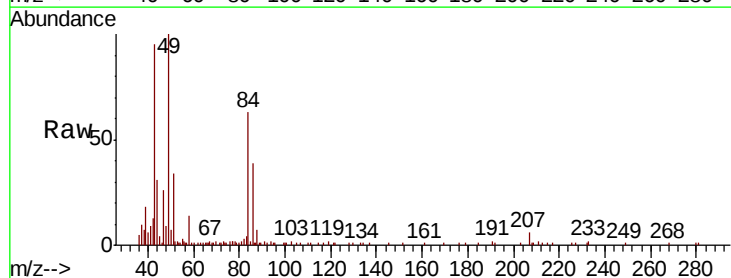
Tot Ion: 73 Resp: 105440
 Ion Ratio Lower Upper
 73 100
 57 20.4 13.7 20.5

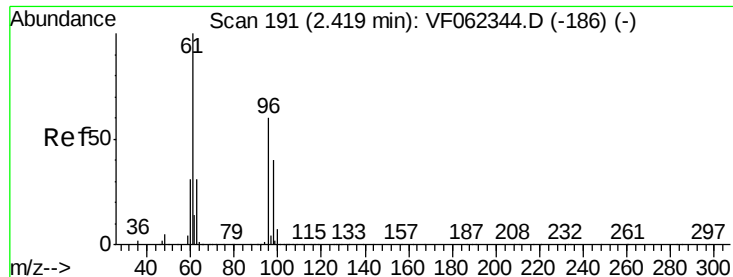


#20

Methylene Chloride
 Concen: 16.377 ug/l
 RT: 2.34 min Scan# 184
 Delta R.T. 0.00 min
 Lab File: VF062435.D
 Acq: 10 May 2019 23:02

Tgt Ion: 84 Resp: 33719
 Ion Ratio Lower Upper
 84 100
 49 159.5 117.5 176.3
 51 51.2 37.0 55.4
 86 60.7 49.3 73.9





#21

trans-1,2-Dichloroethene

Concen: 22.195 ug/l

RT: 2.43 min Scan# 193

Delta R.T. 0.01 min

Lab File: VF062435.D

Acq: 10 May 2019 23:02

Instrument :

MSVOA_F

ClientSampleId :

VF0510SBS02

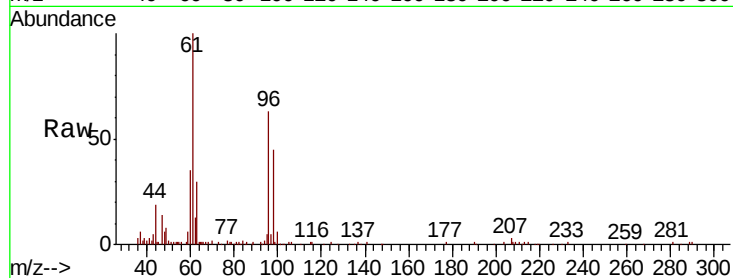
Tot Ion: 96 Resp: 48263

Ion Ratio Lower Upper

96 100

61 156.0 133.2 199.8

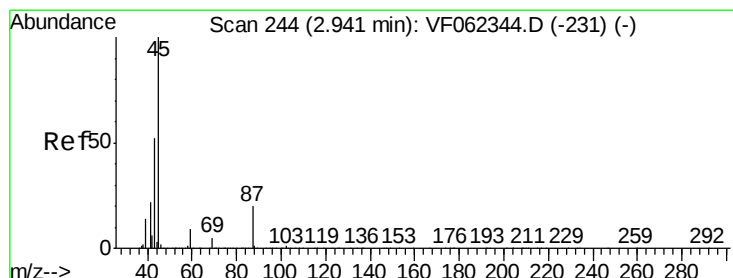
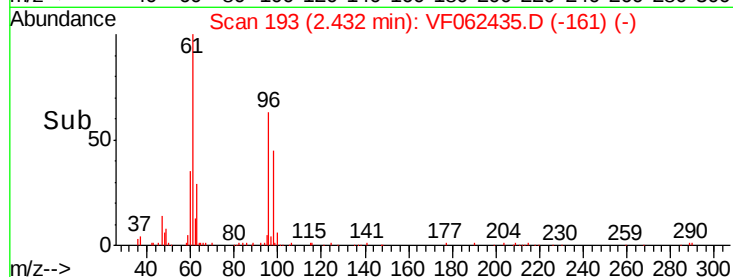
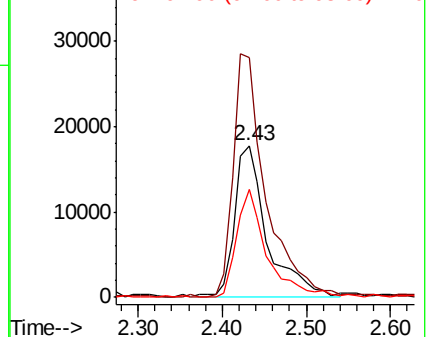
98 71.2 53.1 79.7



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: 22.739 ug/l

RT: 2.94 min Scan# 245

Delta R.T. 0.00 min

Lab File: VF062435.D

Acq: 10 May 2019 23:02

Tgt Ion: 45 Resp: 143281

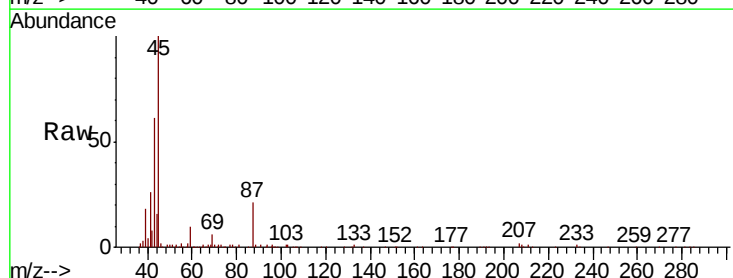
Ion Ratio Lower Upper

45 100

43 58.9 41.4 62.0

87 21.2 15.8 23.6

59 9.9 7.2 10.8

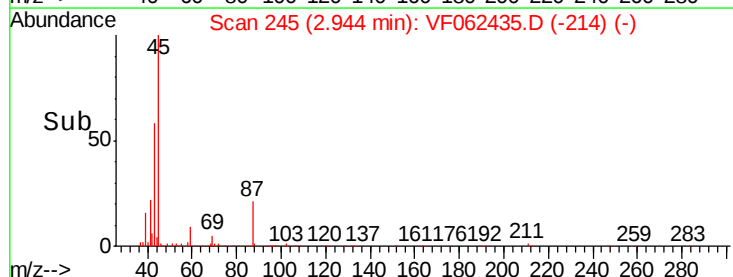
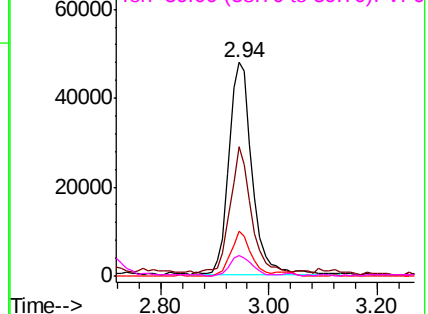


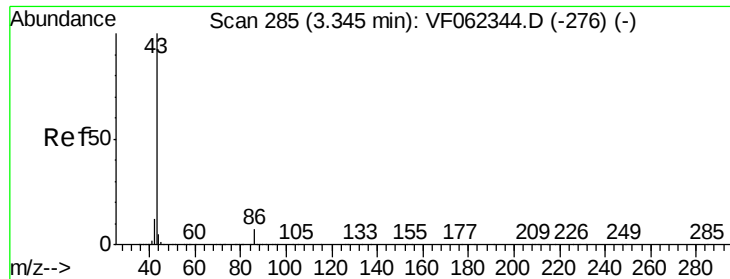
Abundance Ion 45.00 (44.70 to 45.70): VF0

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: 107.495 ug/l

RT: 3.36 min Scan# 287

Delta R.T. 0.01 min

Lab File: VF062435.D

Acq: 10 May 2019 23:02

Instrument :

MSVOA_F

ClientSampleId :

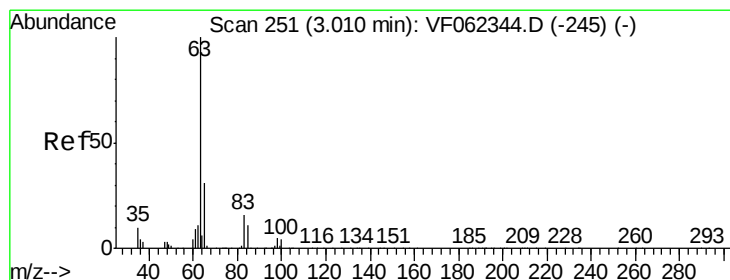
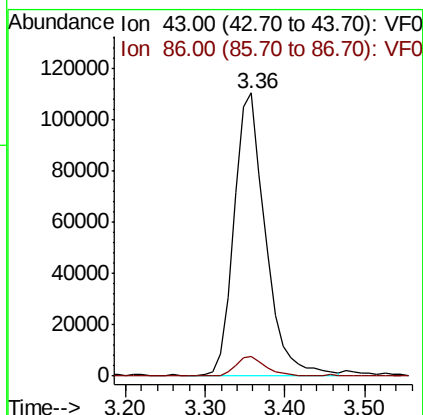
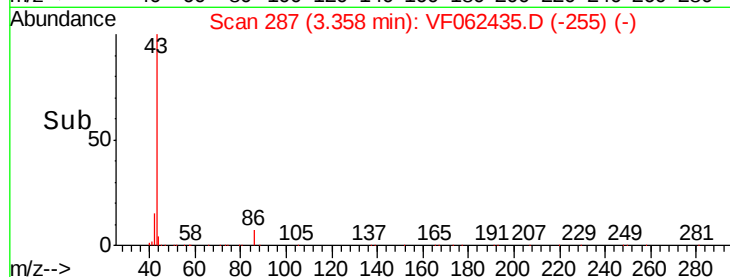
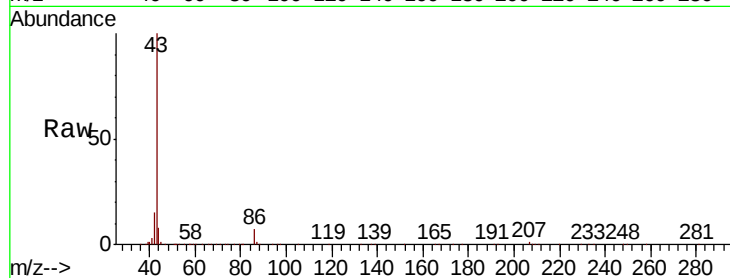
VF0510SBS02

Tot Ion: 43 Resp: 301881

Ion Ratio Lower Upper

43 100

86 6.9 5.7 8.5



#24

1,1-Dichloroethane

Concen: 23.317 ug/l

RT: 3.02 min Scan# 253

Delta R.T. 0.01 min

Lab File: VF062435.D

Acq: 10 May 2019 23:02

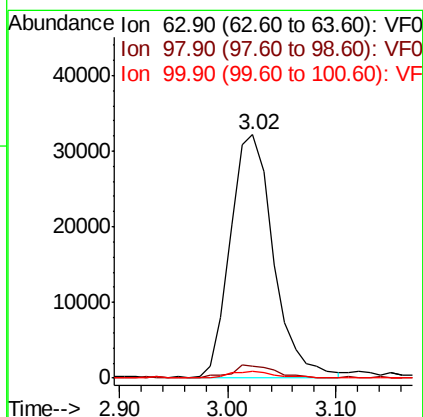
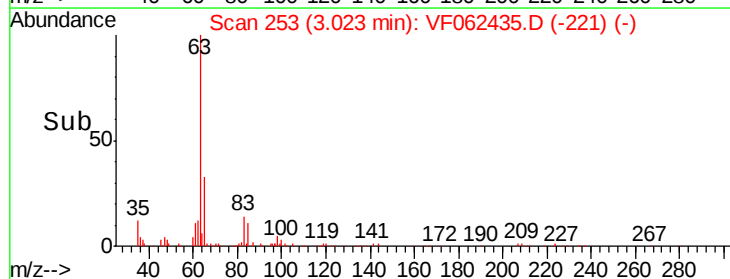
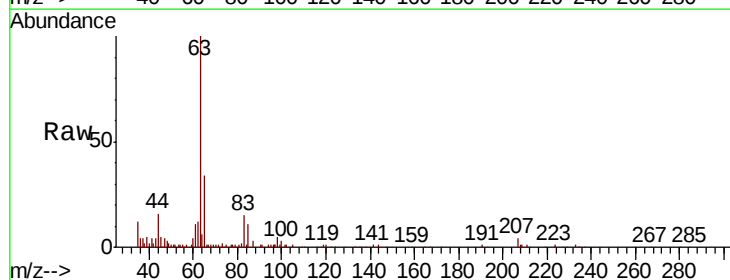
Tgt Ion: 63 Resp: 88797

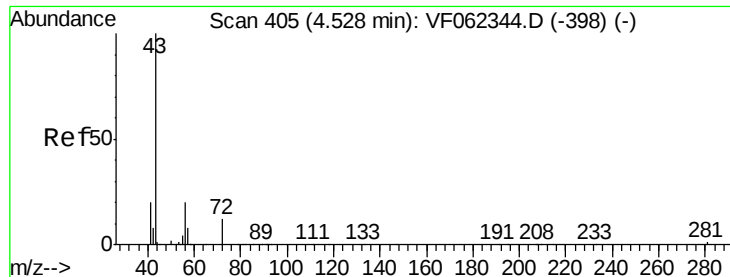
Ion Ratio Lower Upper

63 100

98 4.9 2.6 8.0

100 2.9 1.8 5.4





#25

2-Butanone

Concen: 106.478 ug/l

RT: 4.53 min Scan# 406

Delta R.T. 0.00 min

Lab File: VF062435.D

Acq: 10 May 2019 23:02

Instrument :

MSVOA_F

ClientSampleId :

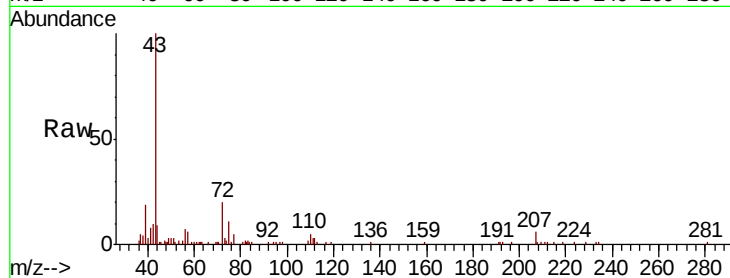
VF0510SBS02

Tot Ion: 43 Resp: 76128

Ion Ratio Lower Upper

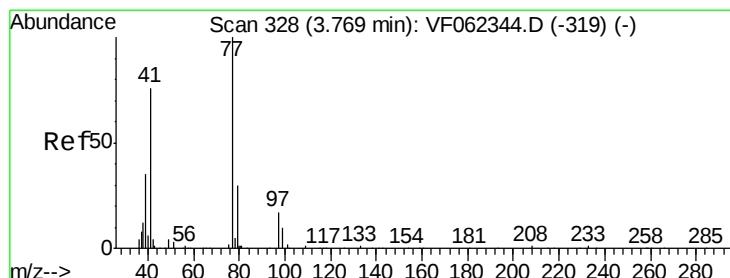
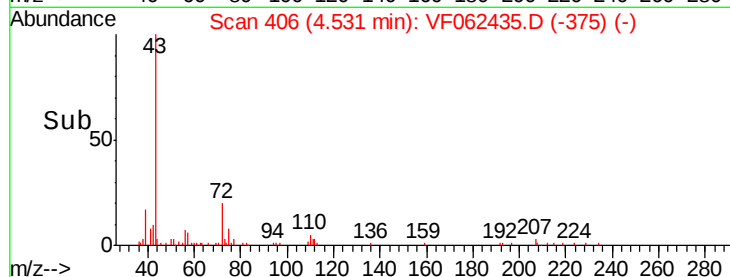
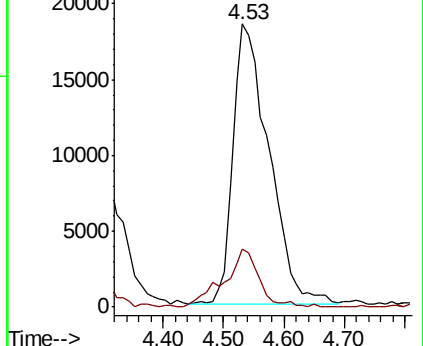
43 100

72 20.6 14.2 21.4



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#26

2,2-Dichloropropane

Concen: 22.747 ug/l

RT: 3.78 min Scan# 330

Delta R.T. 0.01 min

Lab File: VF062435.D

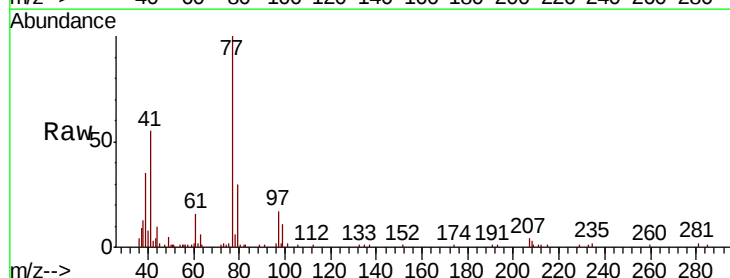
Acq: 10 May 2019 23:02

Tgt Ion: 77 Resp: 48377

Ion Ratio Lower Upper

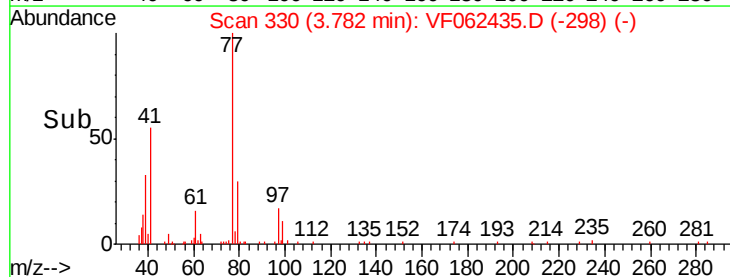
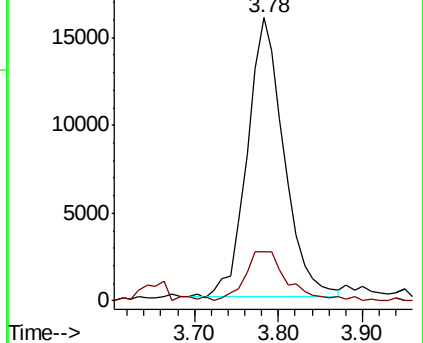
77 100

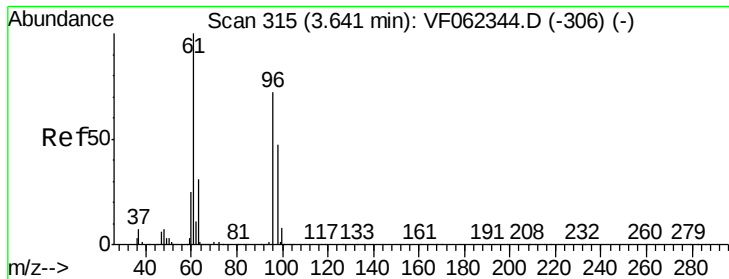
97 20.6 9.5 28.5



Abundance Ion 76.90 (76.60 to 77.60): VF0

Ion 96.90 (96.60 to 97.60): VF0



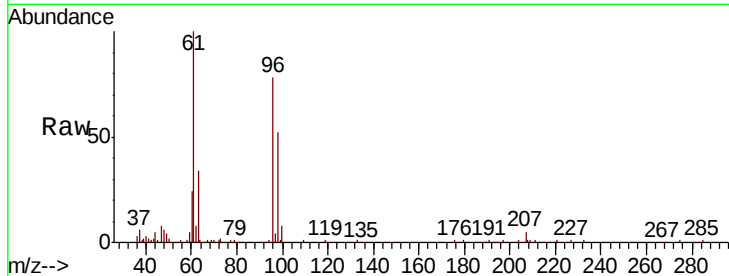


#27

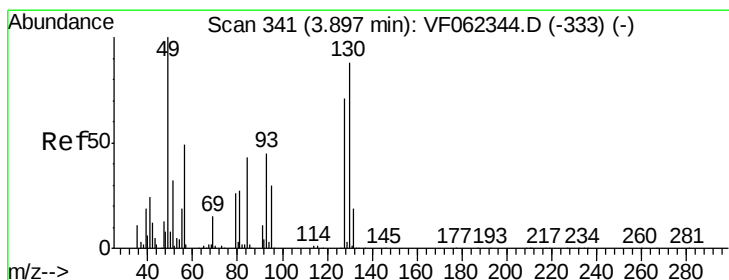
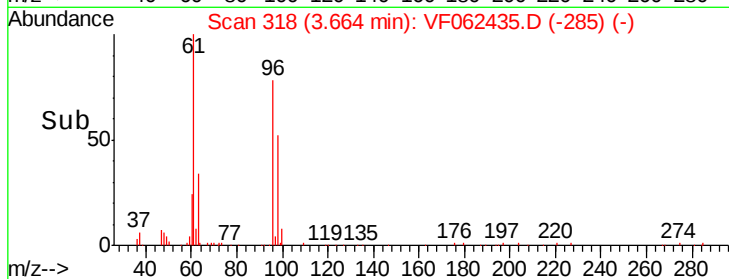
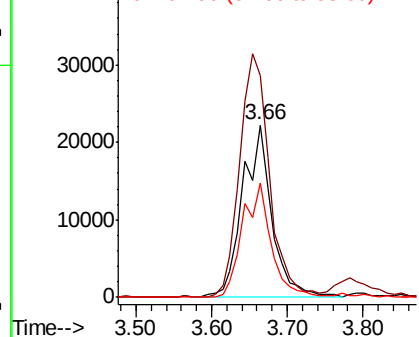
cis-1,2-Dichloroethene
Concen: 21.899 ug/l
RT: 3.66 min Scan# 318
Delta R.T. 0.02 min
Lab File: VF062435.D
Acq: 10 May 2019 23:02

Instrument :
MSVOA_F
ClientSampleId :
VF0510SBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	143.0	0.0	263.0
98	64.6	0.0	130.8



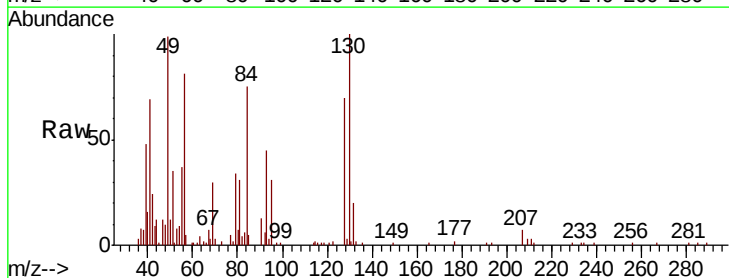
Abundance Ion 95.90 (95.60 to 96.60): VF0
Ion 60.90 (60.60 to 61.60): VF0
Ion 97.90 (97.60 to 98.60): VF0



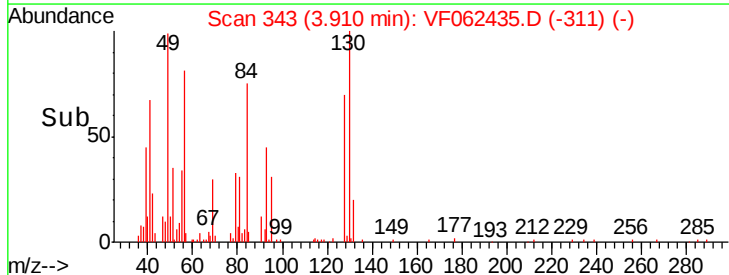
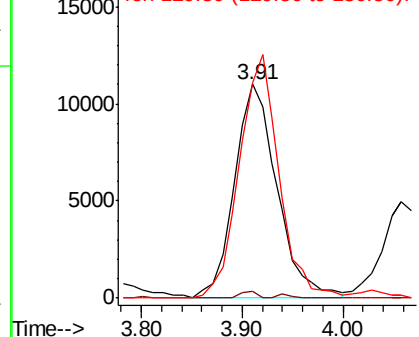
#28

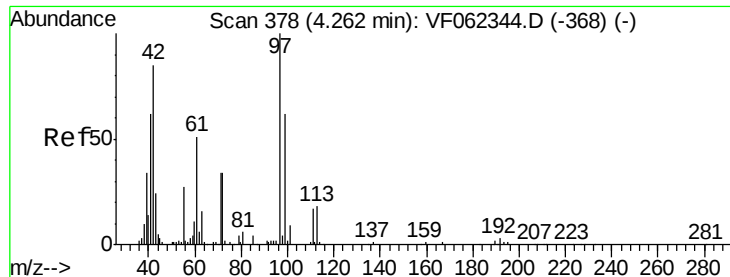
Bromochloromethane
Concen: 18.803 ug/l
RT: 3.91 min Scan# 343
Delta R.T. 0.01 min
Lab File: VF062435.D
Acq: 10 May 2019 23:02

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.1	0.0	2.2
130	105.2	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: 110.412 ug/l

RT: 4.28 min Scan# 381

Delta R.T. 0.02 min

Lab File: VF062435.D

Acq: 10 May 2019 23:02

Instrument :

MSVOA_F

ClientSampleId :

VF0510SBS02

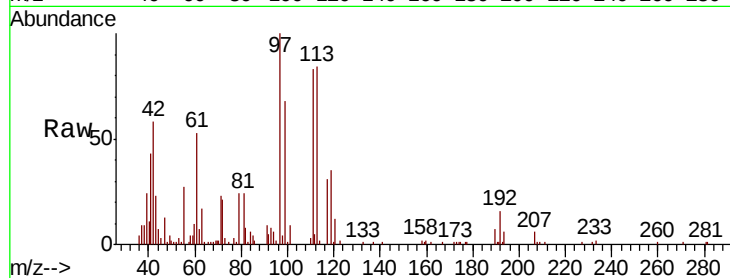
Tot Ion: 42 Resp: 36281

Ion Ratio Lower Upper

42 100

72 36.7 31.4 47.0

71 36.0 31.7 47.5

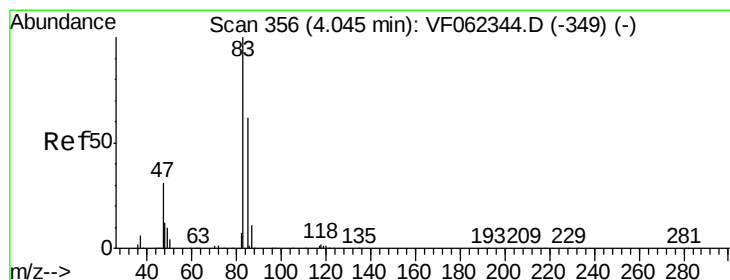
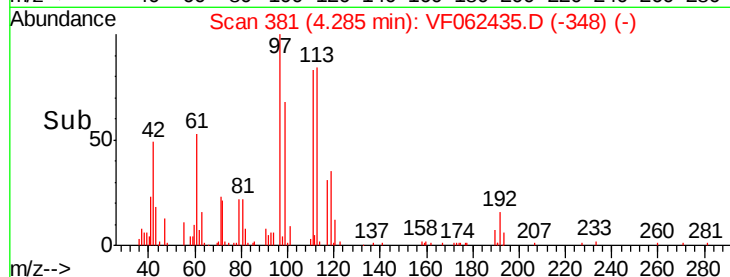
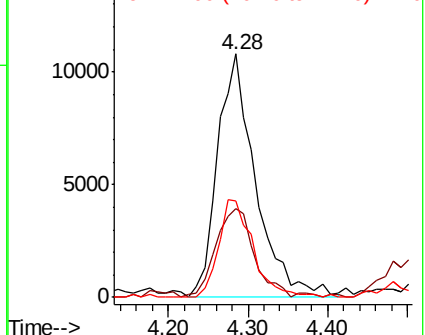


Abundance

Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0



#30

Chloroform

Concen: 25.284 ug/l

RT: 4.06 min Scan# 358

Delta R.T. 0.01 min

Lab File: VF062435.D

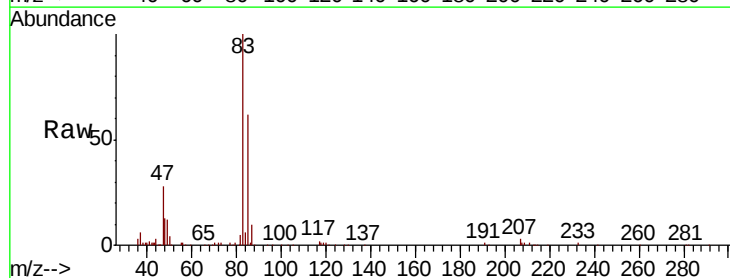
Acq: 10 May 2019 23:02

Tgt Ion: 83 Resp: 130084

Ion Ratio Lower Upper

83 100

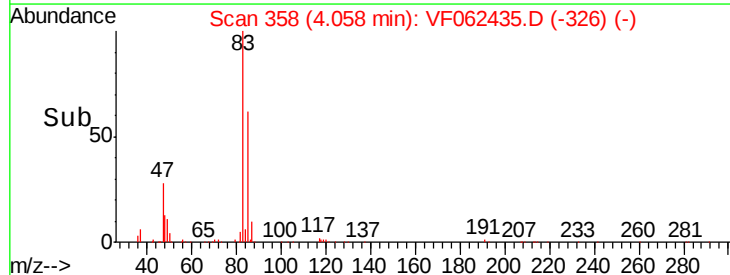
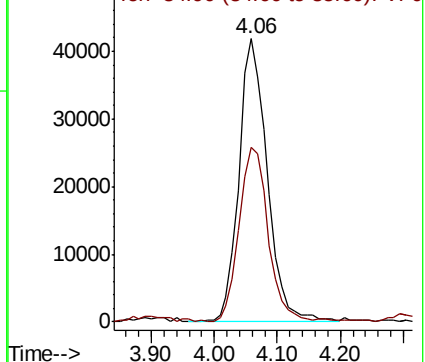
85 60.9 49.6 74.4

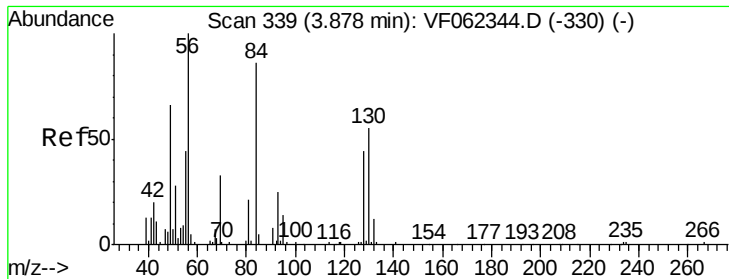


Abundance

Ion 82.90 (82.60 to 83.60): VF0

Ion 84.90 (84.60 to 85.60): VF0

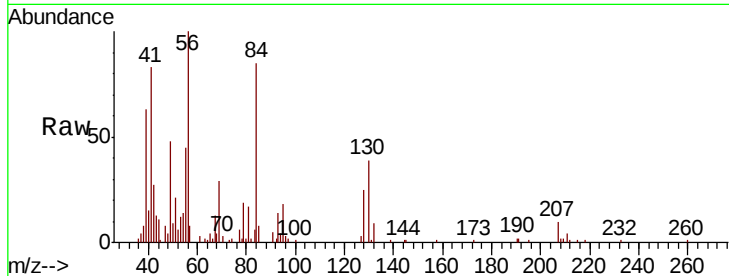




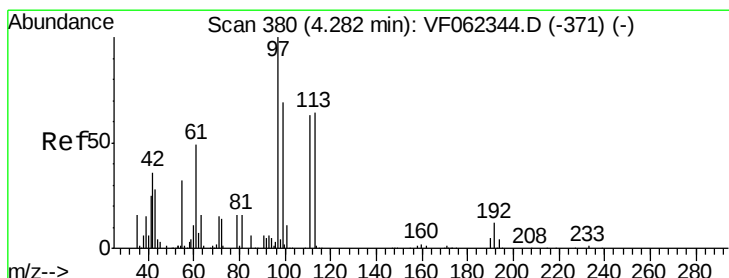
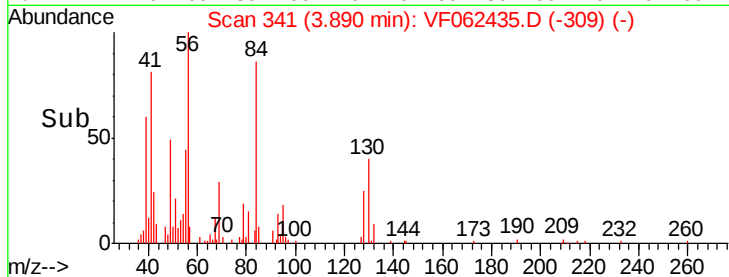
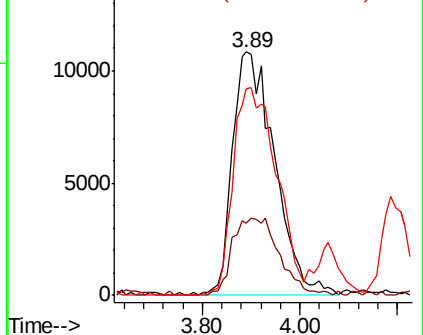
#31
Cyclohexane
Concen: 21.422 ug/l
RT: 3.89 min Scan# 341
Delta R.T. 0.01 min
Lab File: VF062435.D
Acq: 10 May 2019 23:02

Instrument :
MSVOA_F
ClientSampleId :
VF0510SBS02

Tot Ion: 56 Resp: 65117
Ion Ratio Lower Upper
56 100
69 29.4 26.4 39.6
84 84.8 69.0 103.6

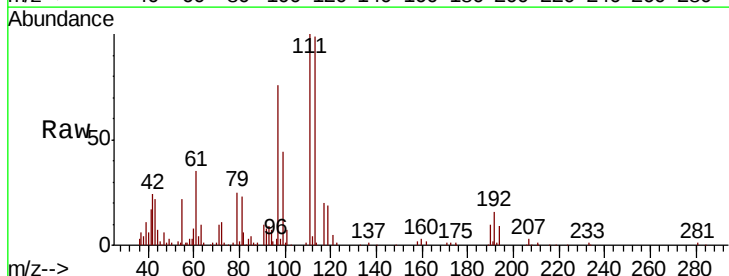


Abundance Ion 56.00 (55.70 to 56.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 84.00 (83.70 to 84.70): VF0

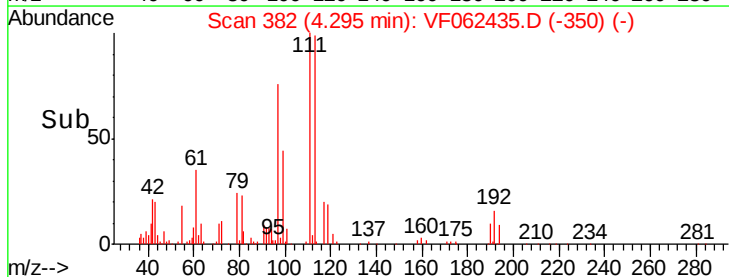
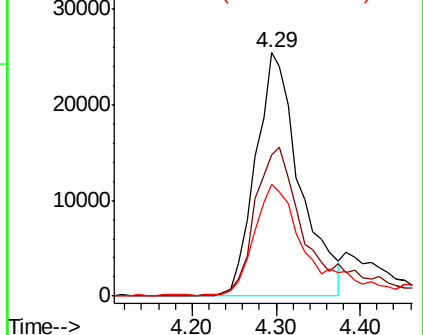


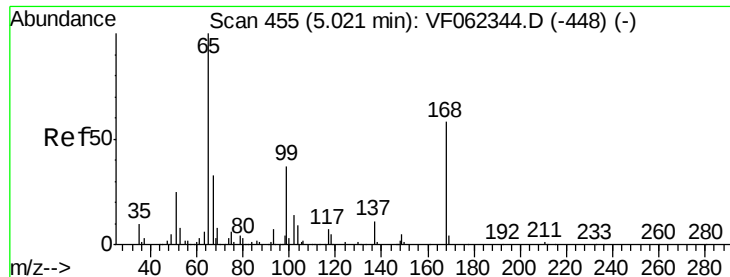
#32
1,1,1-Trichloroethane
Concen: 21.275 ug/l
RT: 4.29 min Scan# 382
Delta R.T. 0.01 min
Lab File: VF062435.D
Acq: 10 May 2019 23:02

Tgt Ion: 97 Resp: 93811
Ion Ratio Lower Upper
97 100
99 75.1 52.6 78.8
61 55.5 39.4 59.0



Abundance Ion 96.90 (96.60 to 97.60): VF0
Ion 98.90 (98.60 to 99.60): VF0
Ion 60.90 (60.60 to 61.60): VF0





#33

1,2-Dichloroethane-d4

Concen: 59.374 ug/l

RT: 5.04 min Scan# 458

Delta R.T. 0.02 min

Lab File: VF062435.D

Acq: 10 May 2019 23:02

Instrument :

MSVOA_F

ClientSampleId :

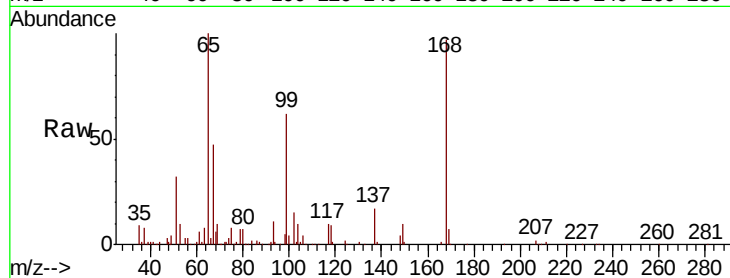
VF0510SBS02

Tot Ion: 65 Resp: 167032

Ion Ratio Lower Upper

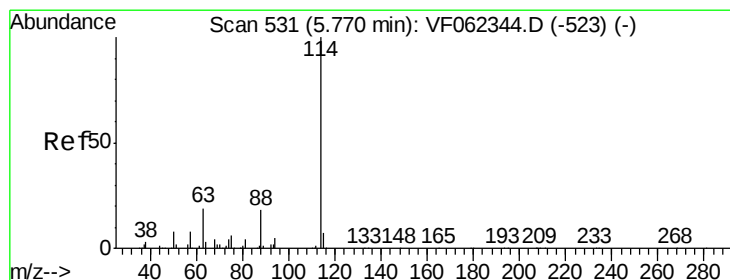
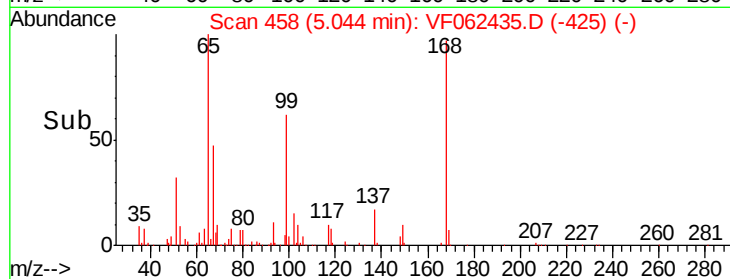
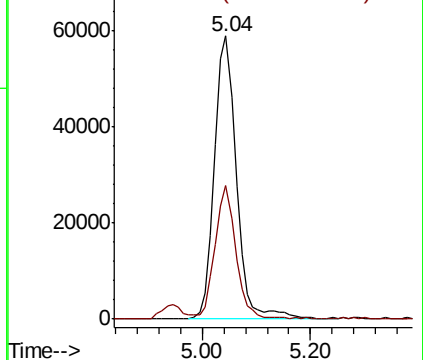
65 100

67 45.0 0.0 85.8



Abundance Ion 64.90 (64.60 to 65.60): VF0

Ion 66.90 (66.60 to 67.60): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.78 min Scan# 533

Delta R.T. 0.01 min

Lab File: VF062435.D

Acq: 10 May 2019 23:02

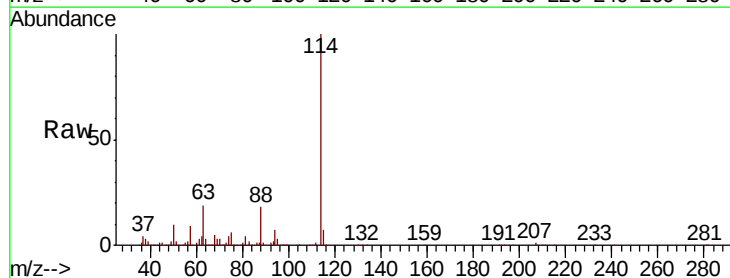
Tgt Ion: 114 Resp: 406782

Ion Ratio Lower Upper

114 100

63 19.1 0.0 37.4

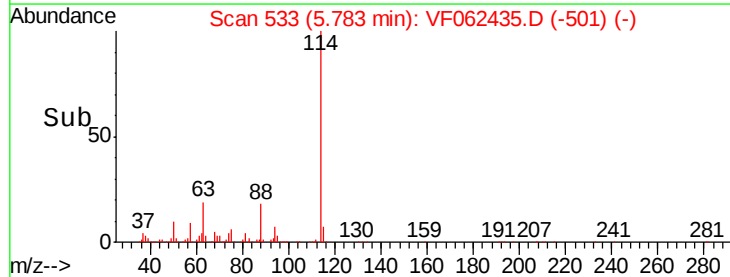
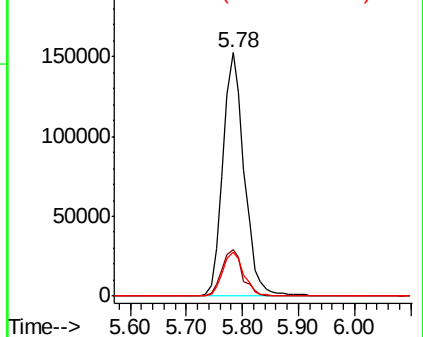
88 17.9 0.0 36.4

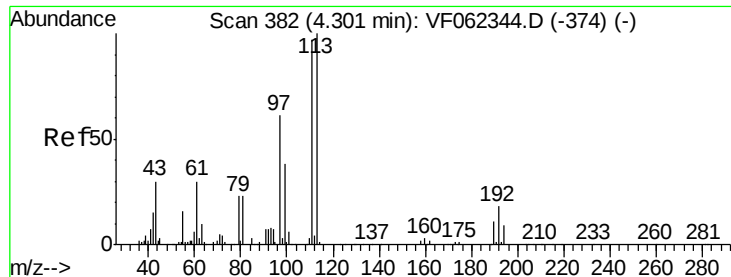


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 87.90 (87.60 to 88.60): VF0

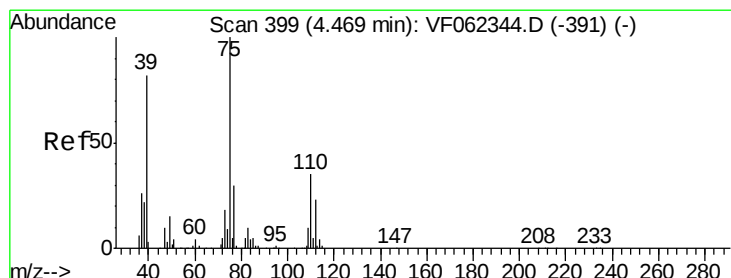
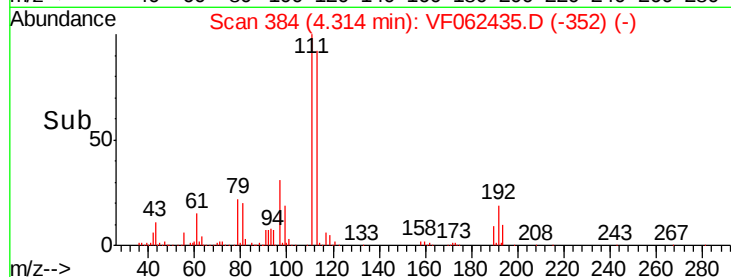
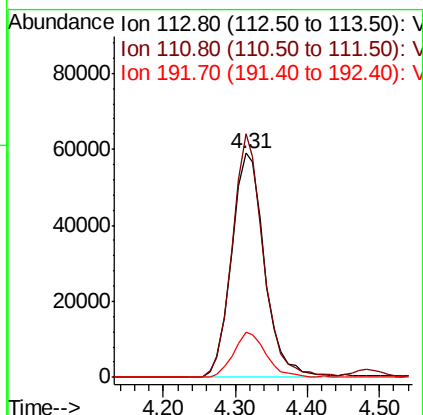
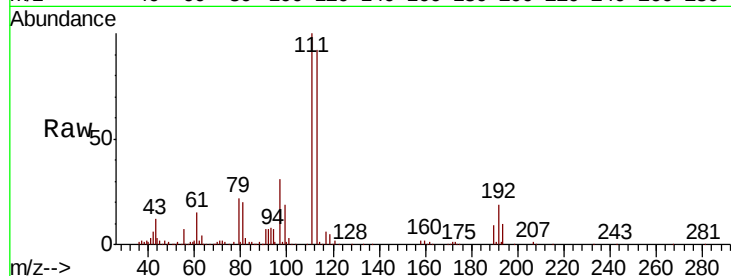




#35
 Dibromofluoromethane
 Concen: 58.223 ug/l
 RT: 4.31 min Scan# 384
 Delta R.T. 0.01 min
 Lab File: VF062435.D
 Acq: 10 May 2019 23:02

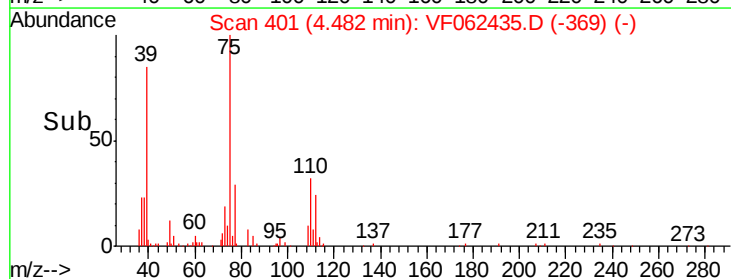
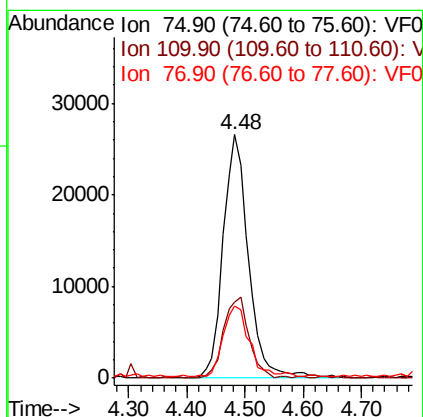
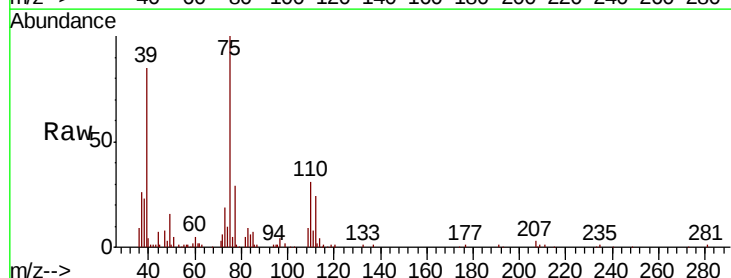
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0510SBS02

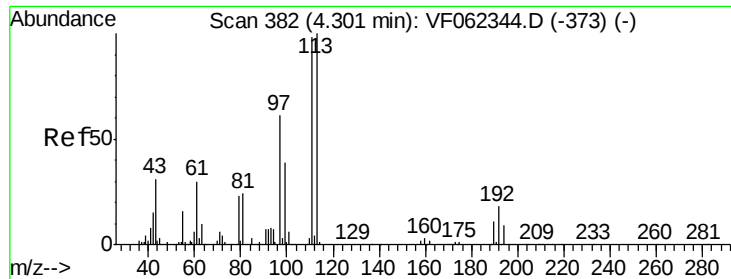
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.5	79.4	119.0
192	20.3	16.0	24.0



#36
 1,1-Dichloropropene
 Concen: 23.006 ug/l
 RT: 4.48 min Scan# 401
 Delta R.T. 0.01 min
 Lab File: VF062435.D
 Acq: 10 May 2019 23:02

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.5	17.2	51.5
77	30.3	25.2	37.8

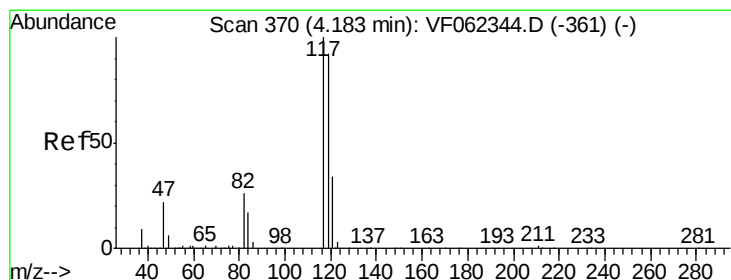
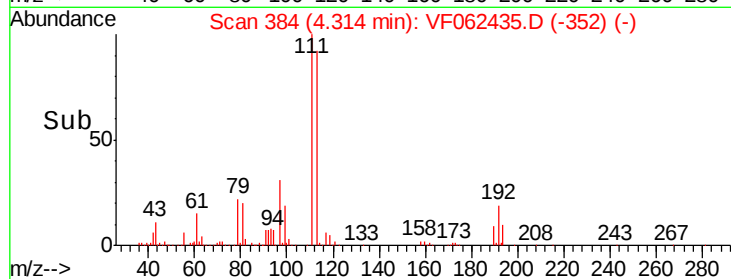
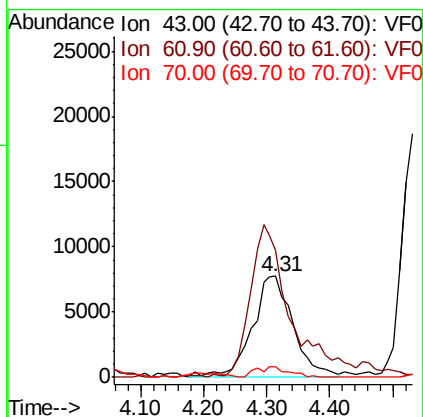
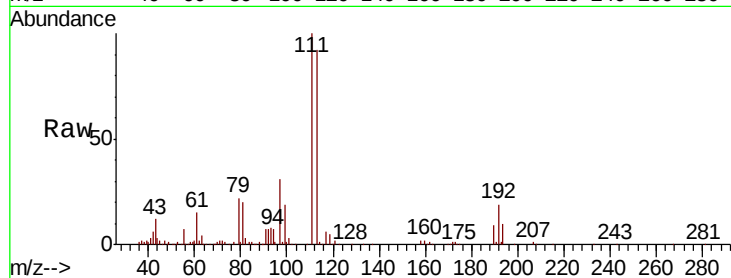




#37
Ethyl Acetate
Concen: 22.772 ug/l
RT: 4.31 min Scan# 384
Delta R.T. 0.01 min
Lab File: VF062435.D
Acq: 10 May 2019 23:02

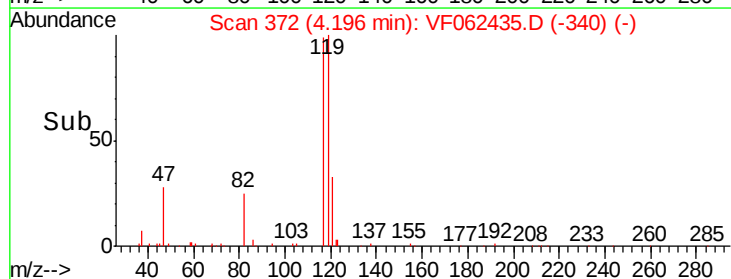
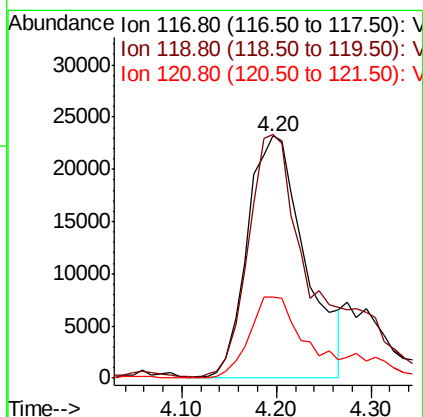
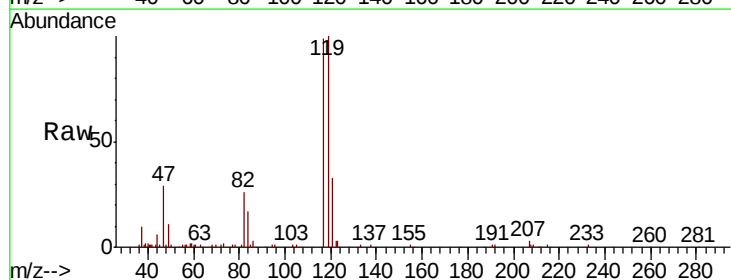
Instrument :
MSVOA_F
ClientSampleId :
VF0510SBS02

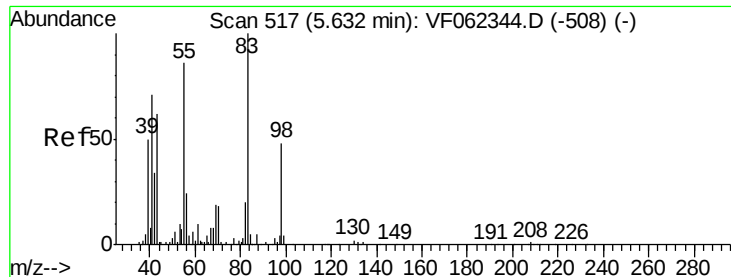
Tot Ion: 43 Resp: 34891
Ion Ratio Lower Upper
43 100
61 149.3 0.0 0.0#
70 8.1 8.2 12.2#



#38
Carbon Tetrachloride
Concen: 25.747 ug/l
RT: 4.20 min Scan# 372
Delta R.T. 0.01 min
Lab File: VF062435.D
Acq: 10 May 2019 23:02

Tgt Ion: 117 Resp: 98208
Ion Ratio Lower Upper
117 100
119 99.8 73.4 110.2
121 33.6 27.4 41.0

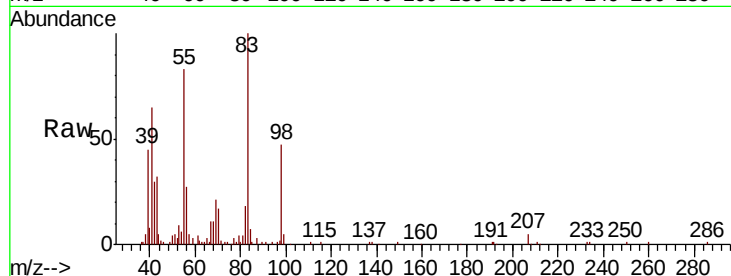




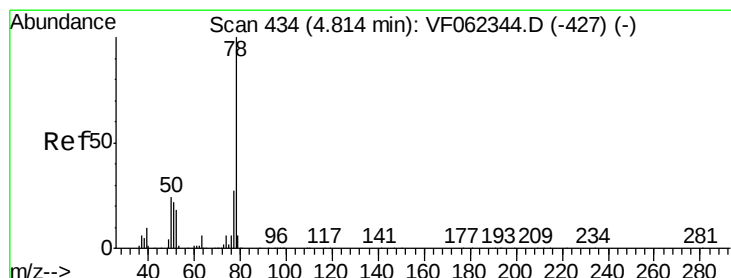
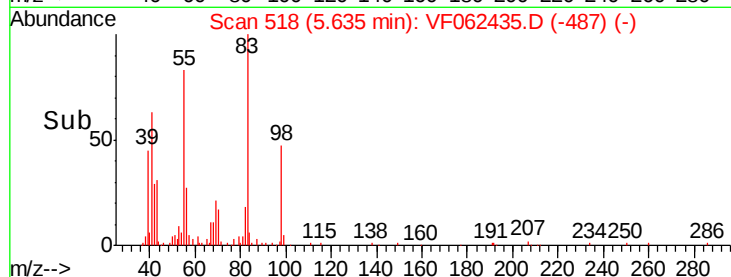
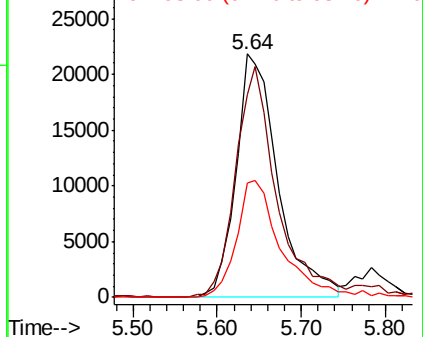
#39
Methvlcvclohexane
Concen: 21.730 ug/l
RT: 5.64 min Scan# 518
Delta R.T. 0.00 min
Lab File: VF062435.D
Acq: 10 May 2019 23:02

Instrument :
MSVOA_F
ClientSampleId :
VF0510SBS02

Tot Ion: 83 Resp: 76154
Ion Ratio Lower Upper
83 100
55 83.1 69.0 103.6
98 47.0 38.6 58.0

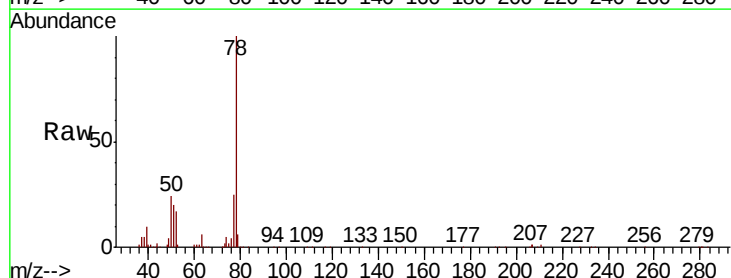


Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 55.00 (54.70 to 55.70): VF0
Ion 98.00 (97.70 to 98.70): VF0

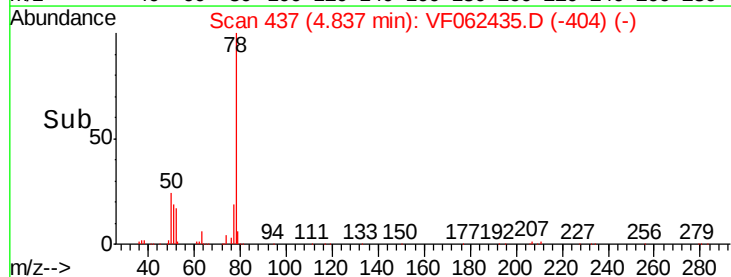
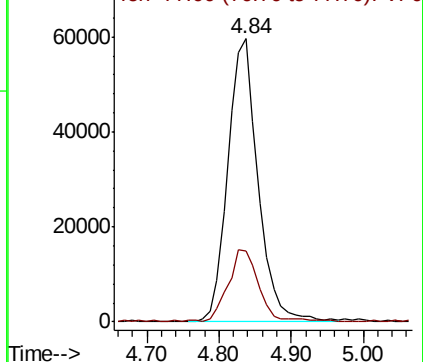


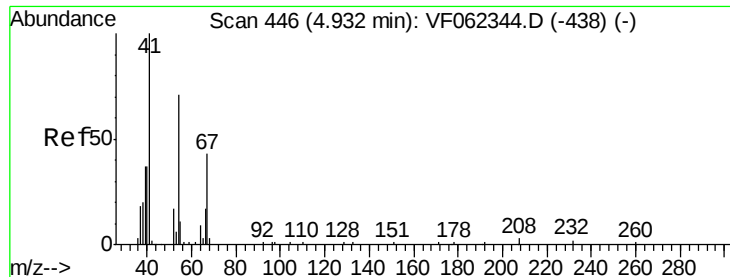
#40
Benzene
Concen: 22.664 ug/l
RT: 4.84 min Scan# 437
Delta R.T. 0.02 min
Lab File: VF062435.D
Acq: 10 May 2019 23:02

Tgt Ion: 78 Resp: 174397
Ion Ratio Lower Upper
78 100
77 25.1 21.6 32.4



Abundance Ion 78.00 (77.70 to 78.70): VF0
Ion 77.00 (76.70 to 77.70): VF0

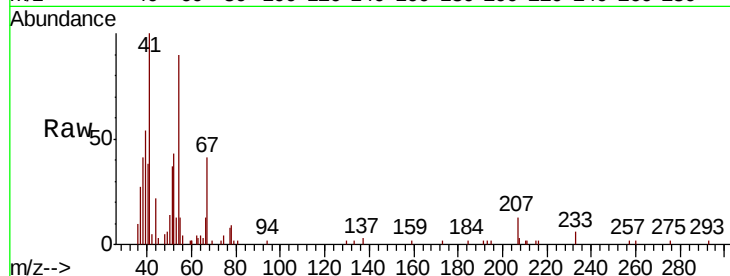




#41
Methacrylonitrile
Concen: 23.985 ug/l
RT: 4.94 min Scan# 447
Delta R.T. 0.00 min
Lab File: VF062435.D
Acq: 10 May 2019 23:02

Instrument :
MSVOA_F
ClientSampleId :
VF0510SBS02

Tot Ion:	41	Resp:	20097
Ion	Ratio	Lower	Upper
41	100		
39	67.9	54.3	81.5
67	40.7	37.8	56.8
52	62.9	58.2	87.4



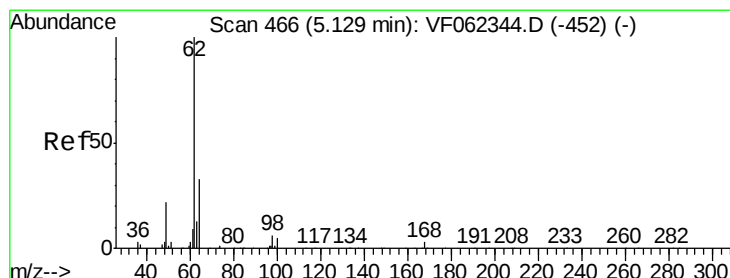
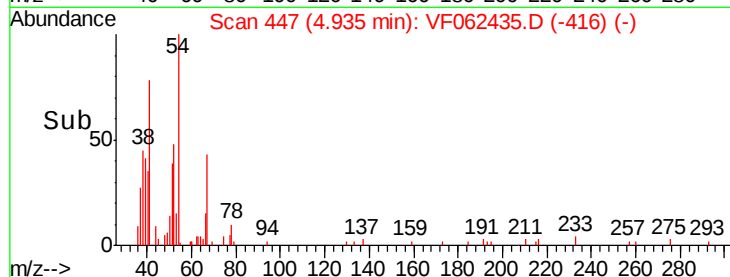
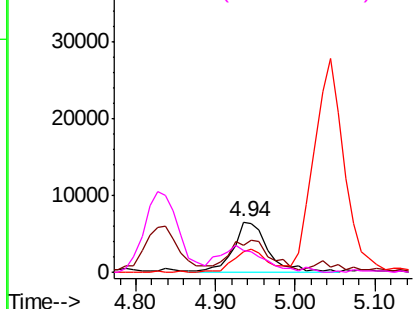
Abundance

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

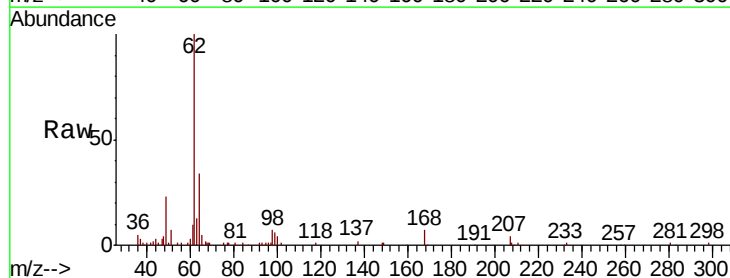
Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#42
1,2-Dichloroethane
Concen: 22.591 ug/l
RT: 5.14 min Scan# 468
Delta R.T. 0.01 min
Lab File: VF062435.D
Acq: 10 May 2019 23:02

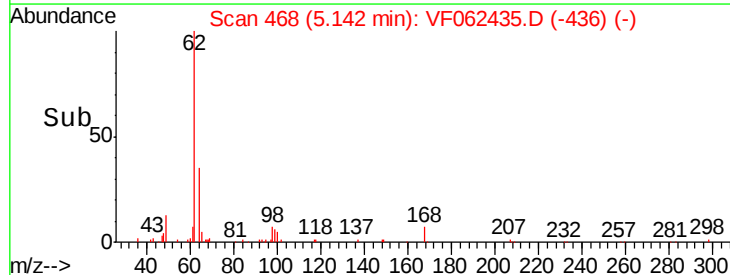
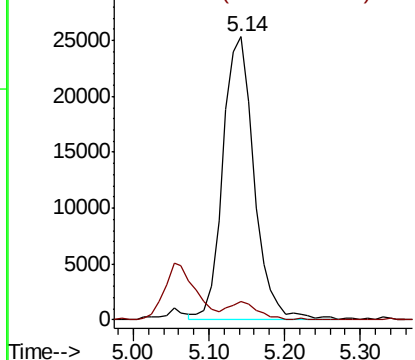
Tgt Ion:	62	Resp:	72703
Ion	Ratio	Lower	Upper
62	100		
98	6.0	0.0	12.4

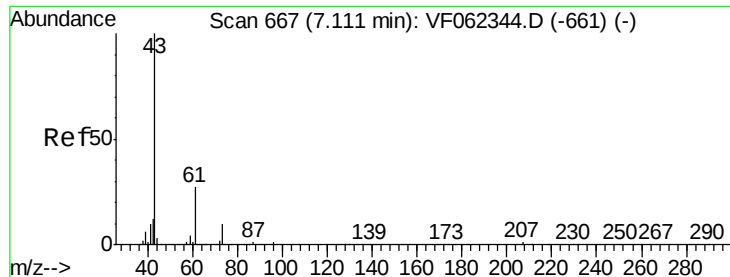


Abundance

Ion 61.90 (61.60 to 62.60): VF0

Ion 97.90 (97.60 to 98.60): VF0





#43

Isopropyl Acetate

Concen: 19.909 ug/l

RT: 7.12 min Scan# 669

Delta R.T. 0.01 min

Lab File: VF062435.D

Acq: 10 May 2019 23:02

Instrument :

MSVOA_F

ClientSampleId :

VF0510SBS02

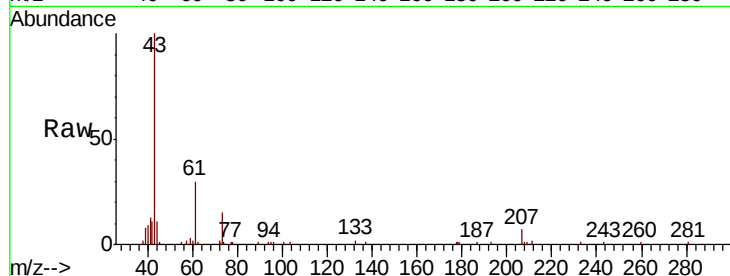
Tot Ion: 43 Resp: 31644

Ion Ratio Lower Upper

43 100

61 26.7 22.8 34.2

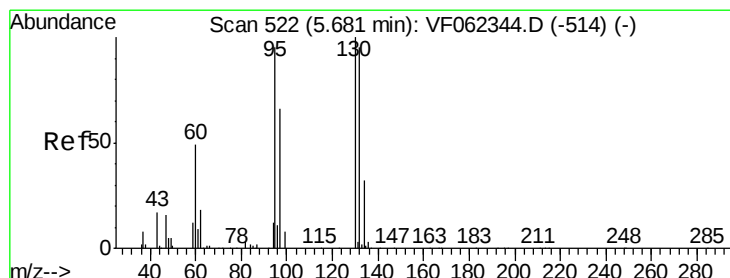
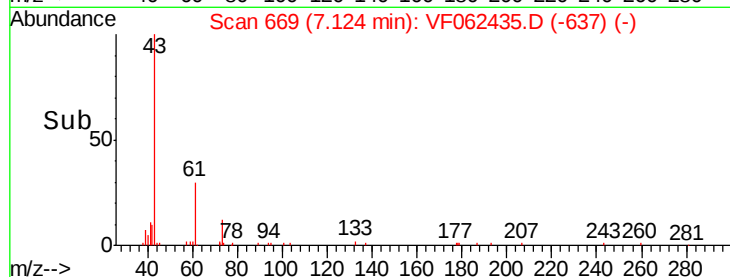
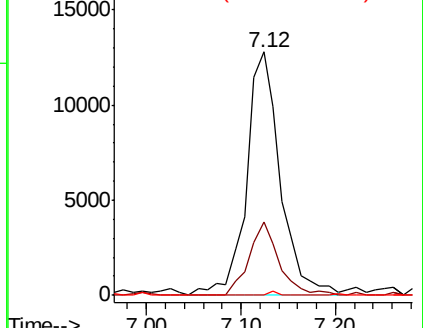
87 0.4 0.6 1.0#



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: 23.539 ug/l

RT: 5.69 min Scan# 524

Delta R.T. 0.01 min

Lab File: VF062435.D

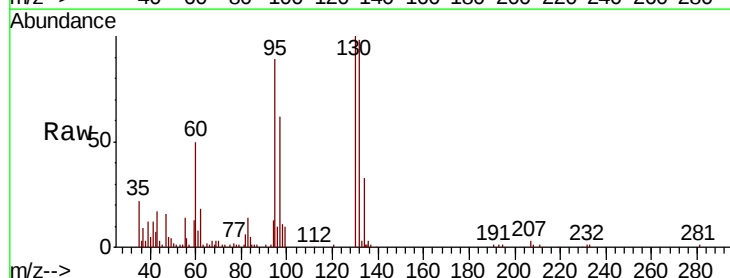
Acq: 10 May 2019 23:02

Tgt Ion:130 Resp: 66538

Ion Ratio Lower Upper

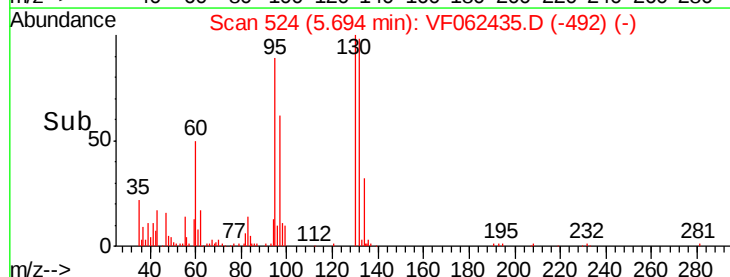
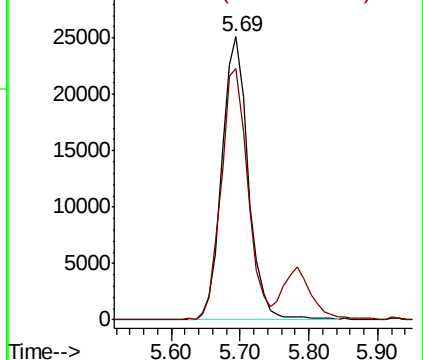
130 100

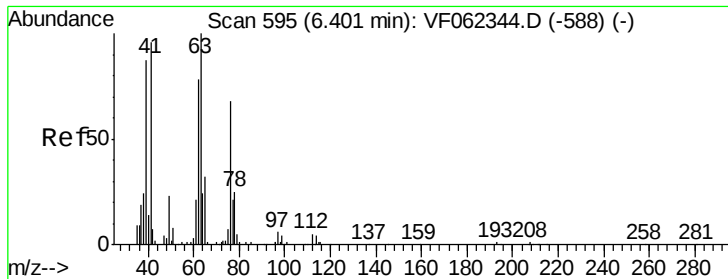
95 88.5 0.0 189.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 23.082 ug/l

RT: 6.41 min Scan# 597

Delta R.T. 0.01 min

Lab File: VF062435.D

Acq: 10 May 2019 23:02

Instrument :

MSVOA_F

ClientSampleId :

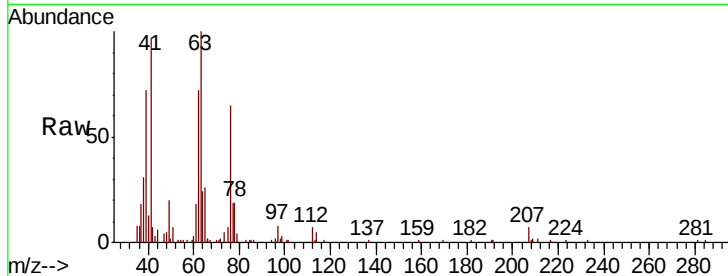
VF0510SBS02

Tot Ion: 63 Resp: 40230

Ion Ratio Lower Upper

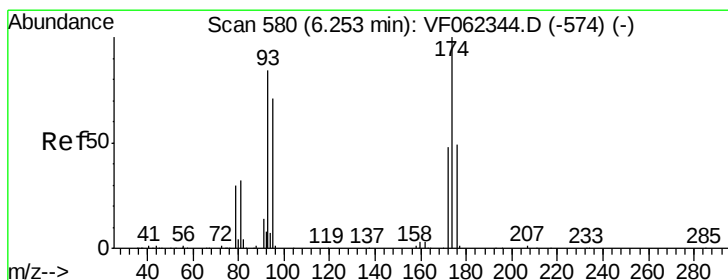
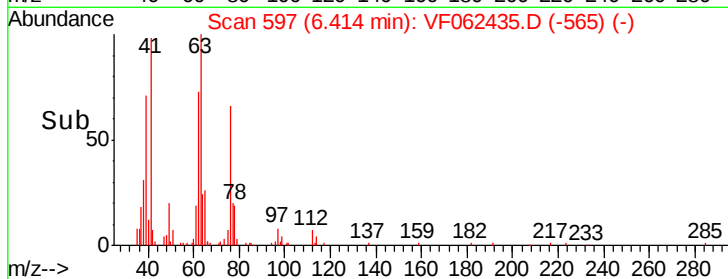
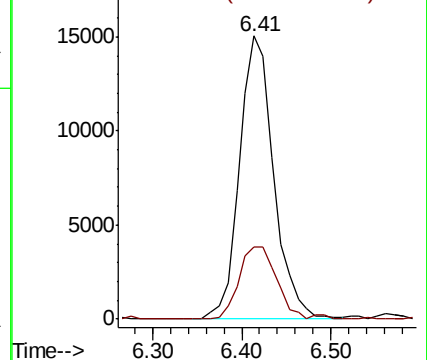
63 100

65 25.6 25.6 38.4



Abundance Ion 62.90 (62.60 to 63.60): VF0

Ion 64.90 (64.60 to 65.60): VF0



#46

Dibromomethane

Concen: 22.176 ug/l

RT: 6.28 min Scan# 583

Delta R.T. 0.02 min

Lab File: VF062435.D

Acq: 10 May 2019 23:02

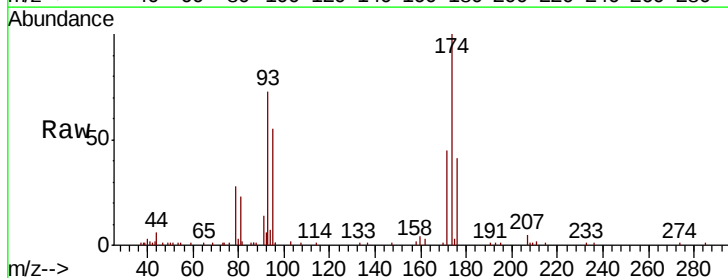
Tgt Ion: 93 Resp: 32046

Ion Ratio Lower Upper

93 100

95 81.8 68.4 102.6

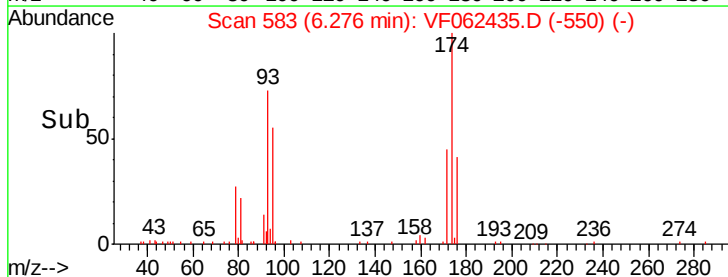
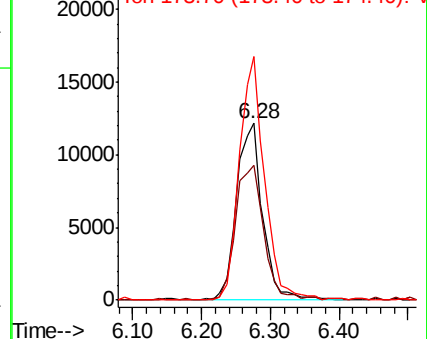
174 132.0 99.6 149.4

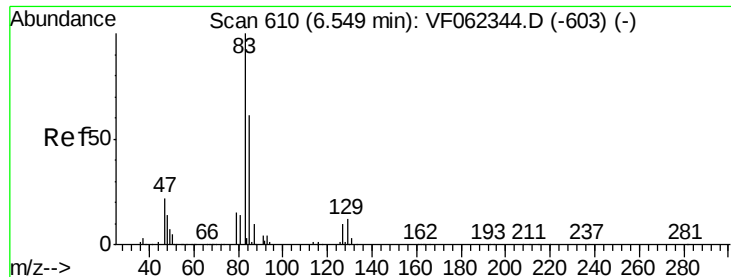


Abundance Ion 92.80 (92.50 to 93.50): VF0

Ion 94.80 (94.50 to 95.50): VF0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 22.304 ug/l

RT: 6.56 min Scan# 612

Delta R.T. 0.01 min

Lab File: VF062435.D

Acq: 10 May 2019 23:02

Instrument :

MSVOA_F

ClientSampleId :

VF0510SBS02

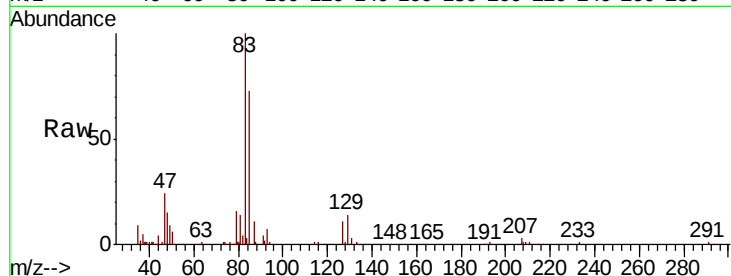
Tot Ion: 83 Resp: 80585

Ion Ratio Lower Upper

83 100

85 73.2 49.1 73.7

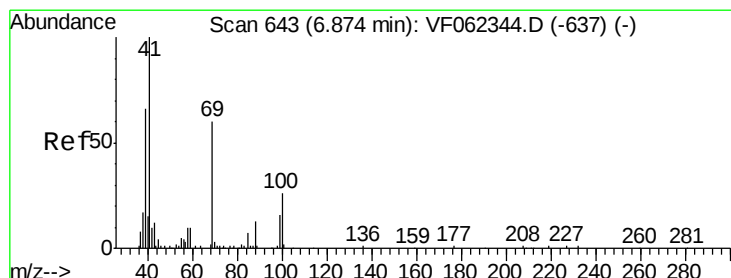
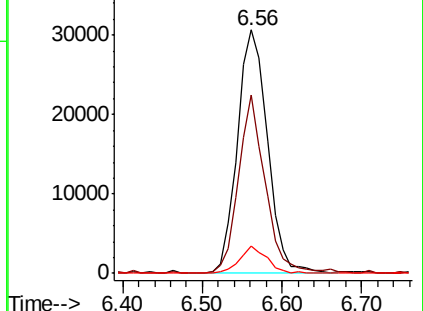
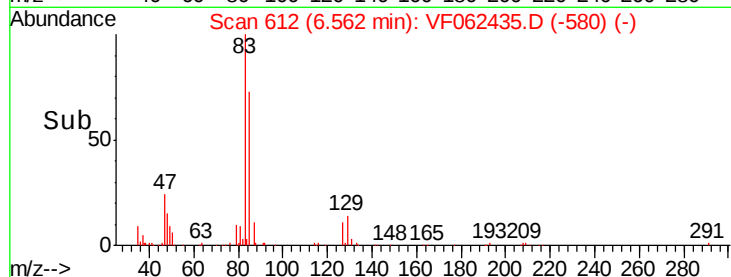
127 11.4 7.8 11.8



Abundance Ion 82.90 (82.60 to 83.60): VF0

Ion 84.90 (84.60 to 85.60): VF0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 19.171 ug/l

RT: 6.89 min Scan# 645

Delta R.T. 0.01 min

Lab File: VF062435.D

Acq: 10 May 2019 23:02

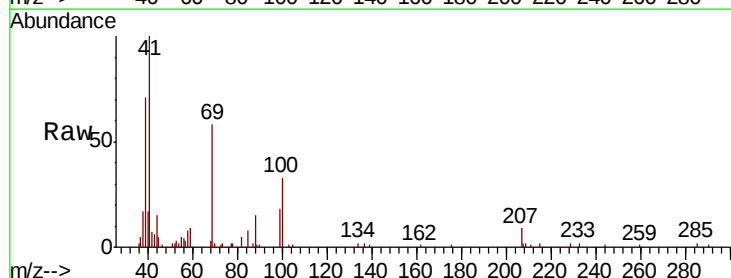
Tgt Ion: 41 Resp: 21533

Ion Ratio Lower Upper

41 100

69 64.4 48.6 72.8

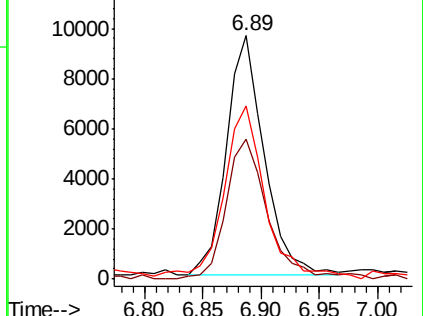
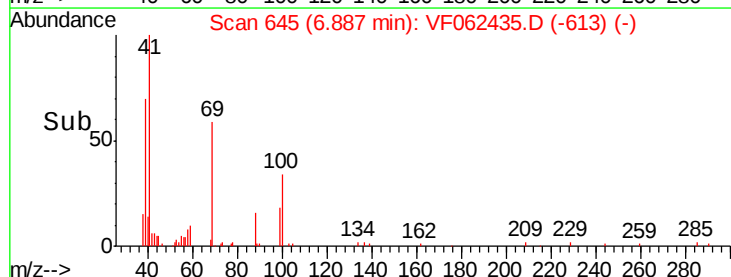
39 79.9 56.1 84.1

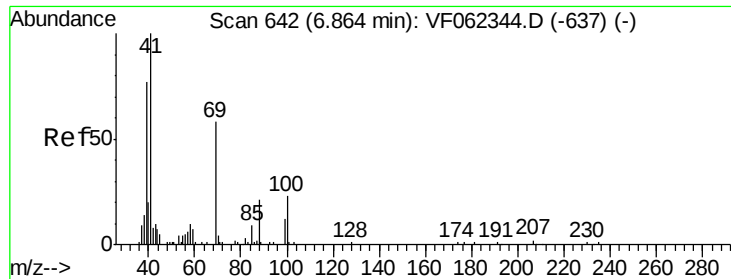


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

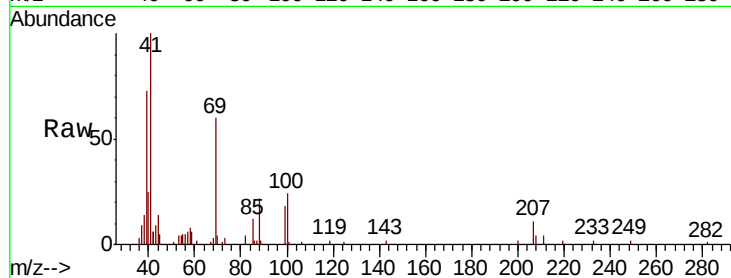




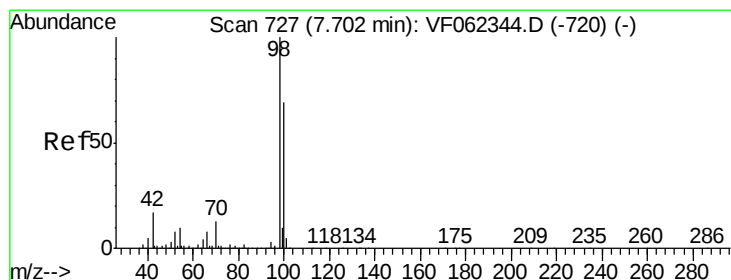
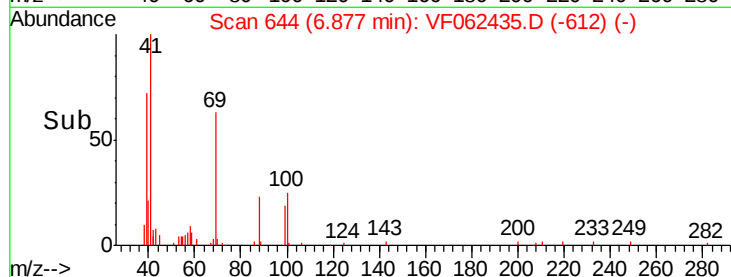
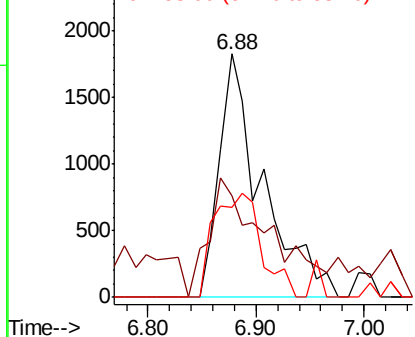
#49
1,4-Dioxane
Concen: 431.360 ug/l
RT: 6.88 min Scan# 644
Delta R.T. 0.01 min
Lab File: VF062435.D
Acq: 10 May 2019 23:02

Instrument :
MSVOA_F
ClientSampleId :
VF0510SBS02

Tot Ion: 88 Resp: 5069
Ion Ratio Lower Upper
88 100
43 69.2 55.6 83.4
58 46.9 52.8 79.2#

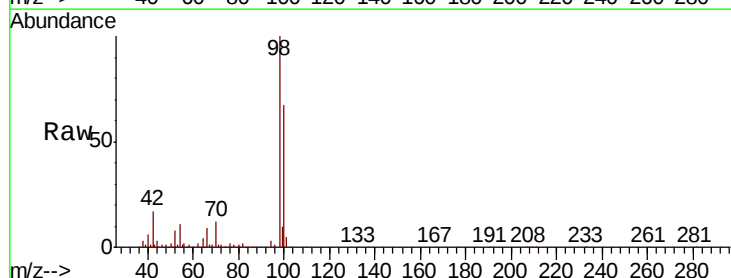


Abundance Ion 88.00 (87.70 to 88.70): VF0
Ion 43.00 (42.70 to 43.70): VF0
Ion 58.00 (57.70 to 58.70): VF0

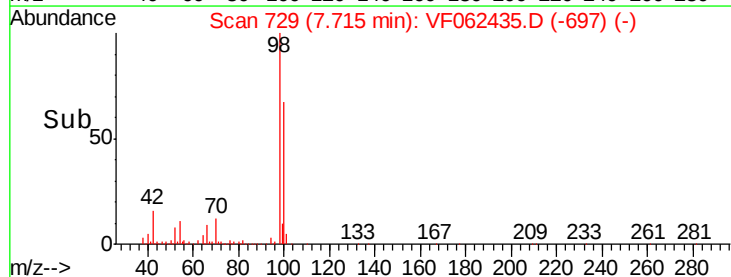
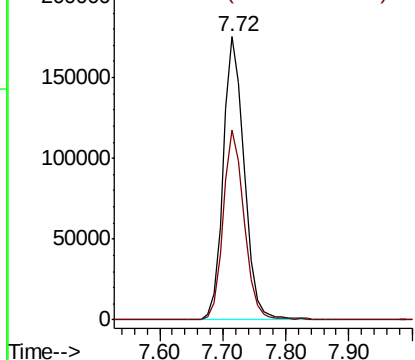


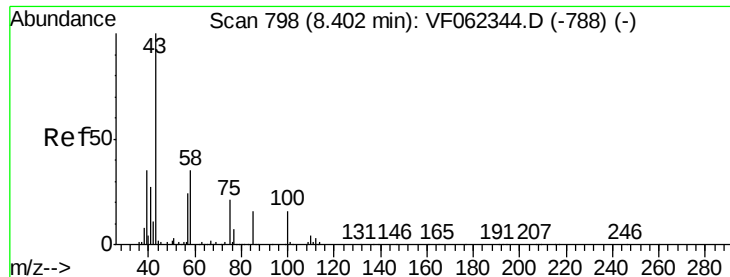
#50
Toluene-d8
Concen: 51.777 ug/l
RT: 7.72 min Scan# 729
Delta R.T. 0.01 min
Lab File: VF062435.D
Acq: 10 May 2019 23:02

Tgt Ion: 98 Resp: 406177
Ion Ratio Lower Upper
98 100
100 67.0 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: 100.802 ug/l

RT: 8.41 min Scan# 799

Delta R.T. 0.00 min

Lab File: VF062435.D

Acq: 10 May 2019 23:02

Instrument :

MSVOA_F

ClientSampleId :

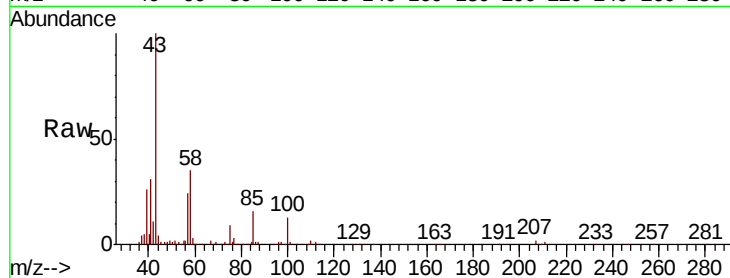
VF0510SBS02

Tot Ion: 43 Resp: 121404

Ion Ratio Lower Upper

43 100

58 34.0 27.8 41.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.41

50000

40000

30000

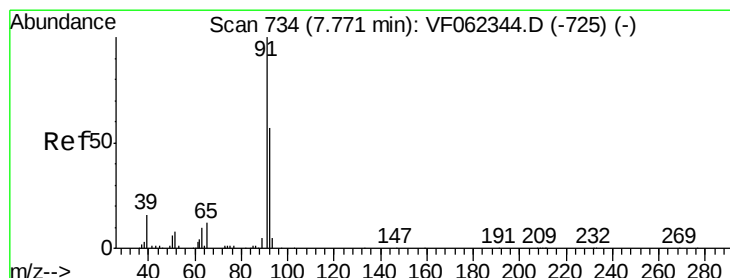
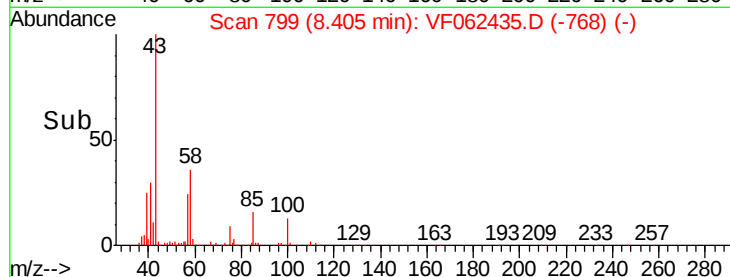
20000

10000

0

Time-->

8.30 8.40 8.50



#52

Toluene

Concen: 21.944 ug/l

RT: 7.78 min Scan# 736

Delta R.T. 0.01 min

Lab File: VF062435.D

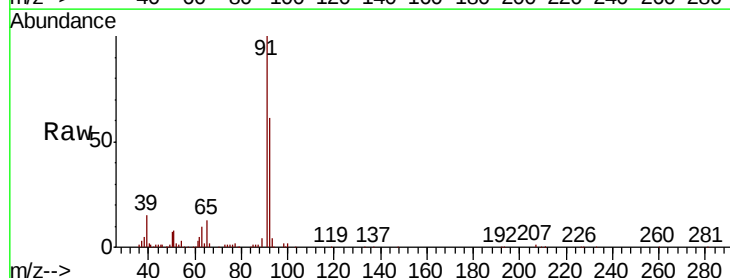
Acq: 10 May 2019 23:02

Tgt Ion: 92 Resp: 104170

Ion Ratio Lower Upper

92 100

91 169.5 138.7 208.1



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.78

80000

60000

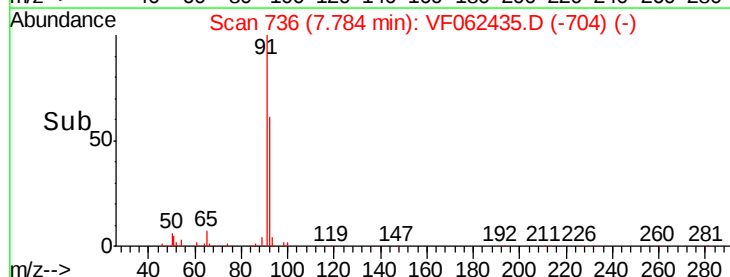
40000

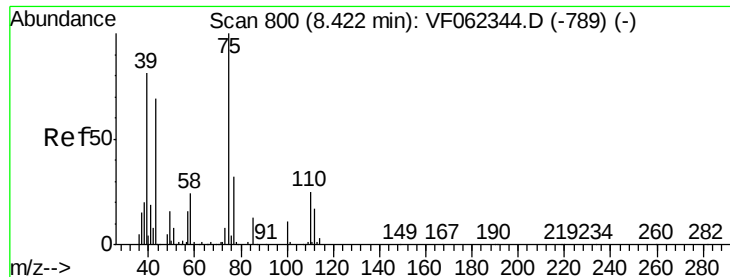
20000

0

Time-->

7.70 7.80 7.90





#53

t-1,3-Dichloropropene

Concen: 21.095 ug/l

RT: 8.43 min Scan# 802

Delta R.T. 0.01 min

Lab File: VF062435.D

Acq: 10 May 2019 23:02

Instrument :

MSVOA_F

ClientSampleId :

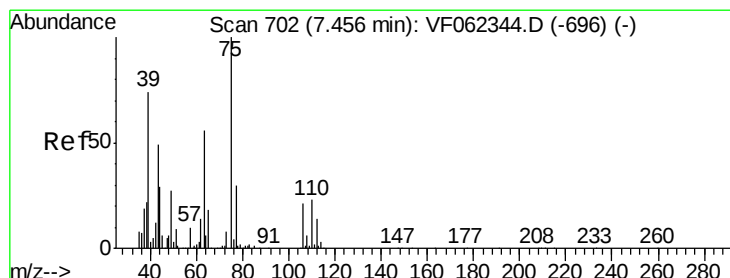
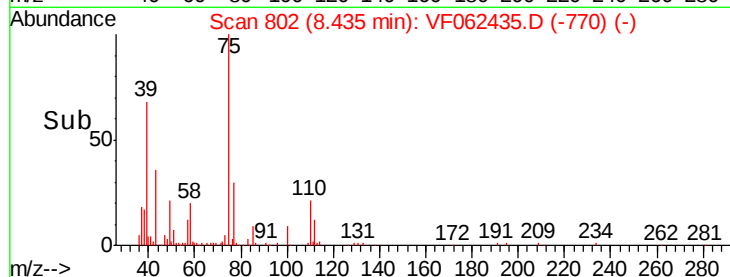
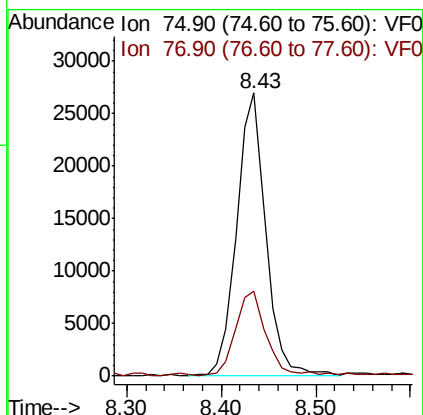
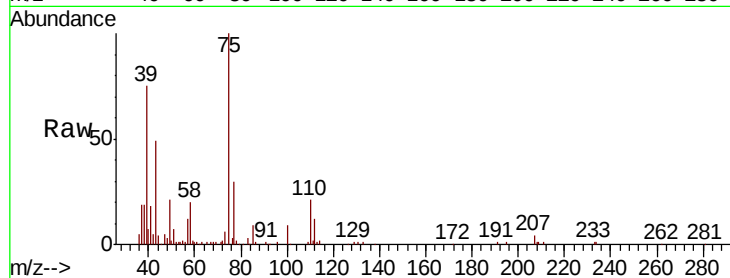
VF0510SBS02

Tot Ion: 75 Resp: 57644

Ion Ratio Lower Upper

75 100

77 29.6 25.4 38.0



#54

cis-1,3-Dichloropropene

Concen: 21.304 ug/l

RT: 7.47 min Scan# 704

Delta R.T. 0.01 min

Lab File: VF062435.D

Acq: 10 May 2019 23:02

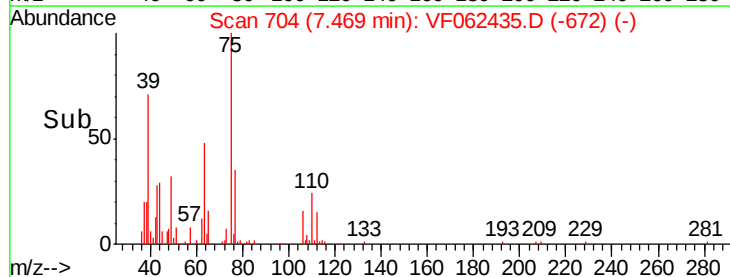
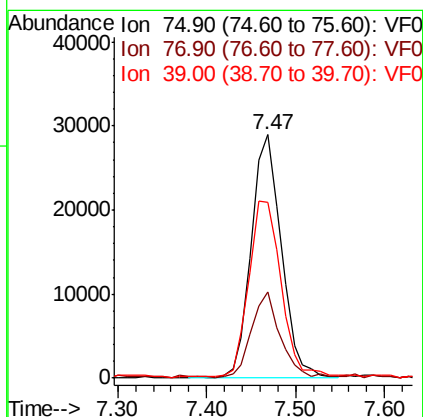
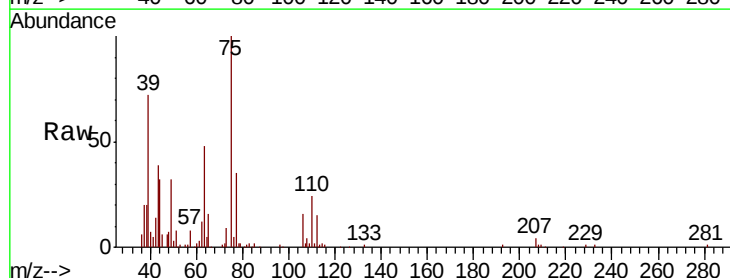
Tgt Ion: 75 Resp: 67752

Ion Ratio Lower Upper

75 100

77 34.6 24.0 36.0

39 71.5 58.7 88.1





#55

1,1,2-Trichloroethane

Concen: 20.930 ug/l

RT: 8.64 min Scan# 823

Delta R.T. 0.01 min

Lab File: VF062435.D

Acq: 10 May 2019 23:02

Instrument :

MSVOA_F

ClientSampleId :

VF0510SBS02

Tot Ion: 97 Resp: 31540

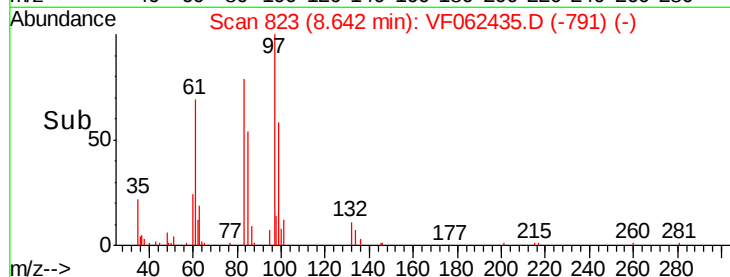
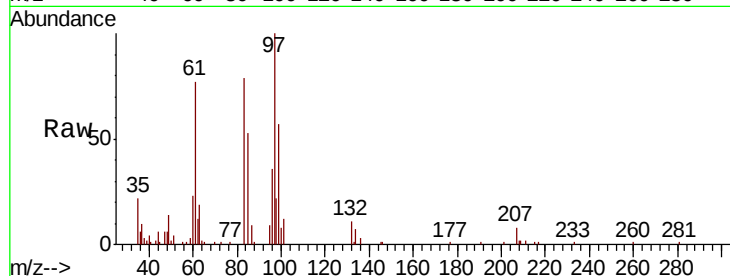
Ion	Ratio	Lower	Upper
97	100		
83	78.8	68.5	102.7
85	53.2	45.4	68.2
99	57.3	52.7	79.1

Abundance Ion 96.90 (96.60 to 97.60): VF0

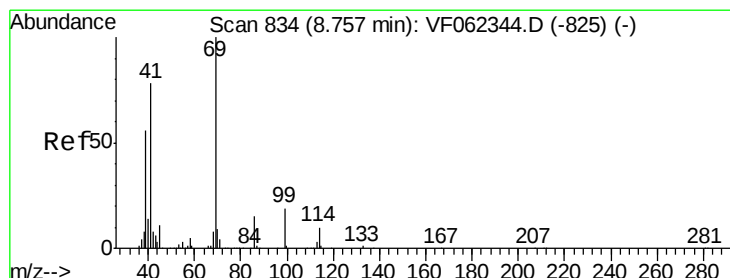
Ion 82.90 (82.60 to 83.60): VF0

Ion 84.90 (84.60 to 85.60): VF0

Ion 98.90 (98.60 to 99.60): VF0



Time--> 8.50 8.60 8.70



#56

Ethyl methacrylate

Concen: 19.604 ug/l

RT: 8.77 min Scan# 836

Delta R.T. 0.01 min

Lab File: VF062435.D

Acq: 10 May 2019 23:02

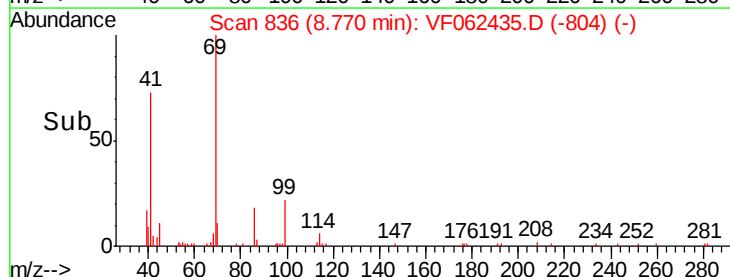
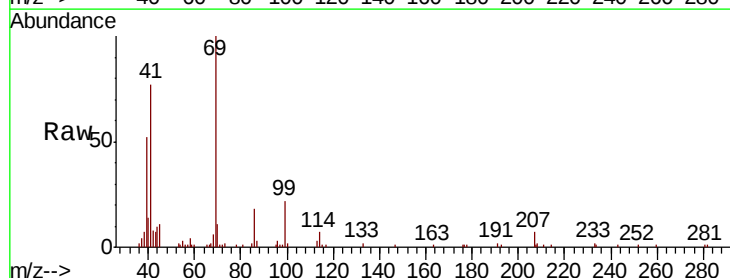
Tgt Ion: 69 Resp: 31185

Ion	Ratio	Lower	Upper
69	100		
41	81.1	66.3	99.5
39	62.2	50.1	75.1

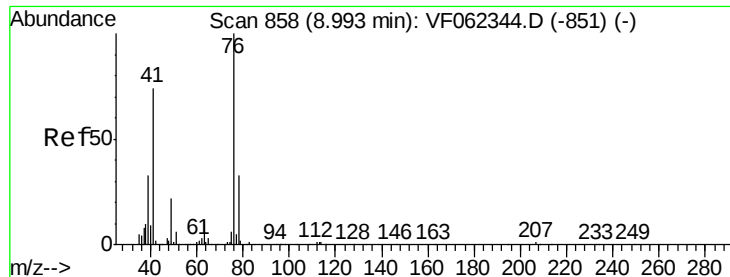
Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0



Time--> 8.65 8.70 8.75 8.80 8.85



#57

1,3-Dichloropropane

Concen: 22.271 ug/l

RT: 9.01 min Scan# 860

Delta R.T. 0.01 min

Lab File: VF062435.D

Acq: 10 May 2019 23:02

Instrument :

MSVOA_F

ClientSampleId :

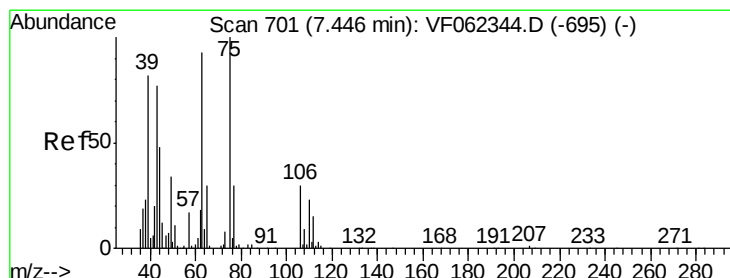
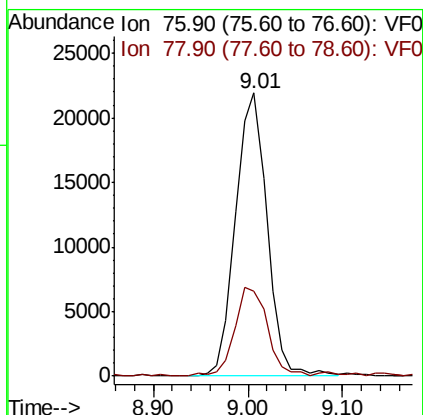
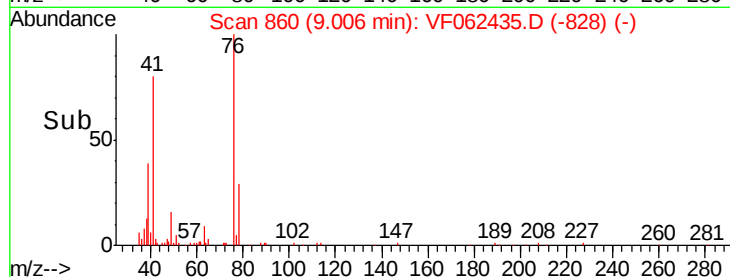
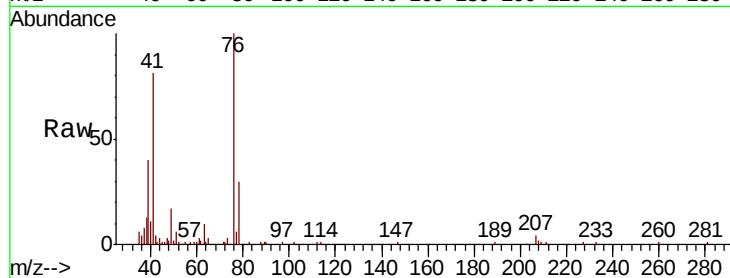
VF0510SBS02

Tot Ion: 76 Resp: 50694

Ion Ratio Lower Upper

76 100

78 32.5 26.4 39.6



#58

2-Chloroethyl Vinyl ether

Concen: 98.288 ug/l

RT: 7.46 min Scan# 703

Delta R.T. 0.01 min

Lab File: VF062435.D

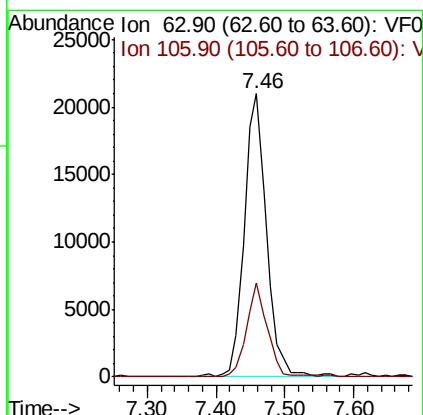
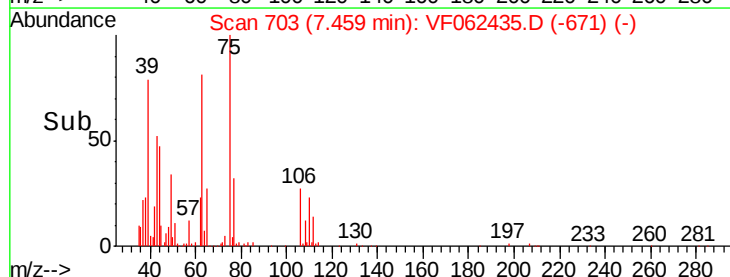
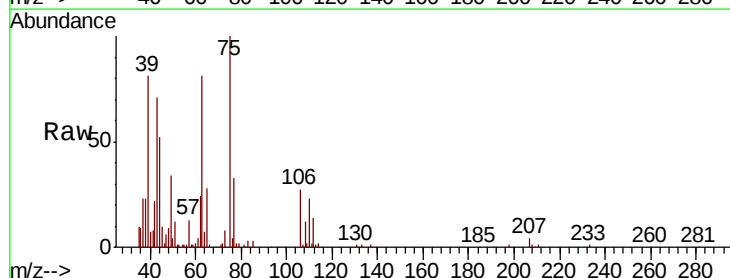
Acq: 10 May 2019 23:02

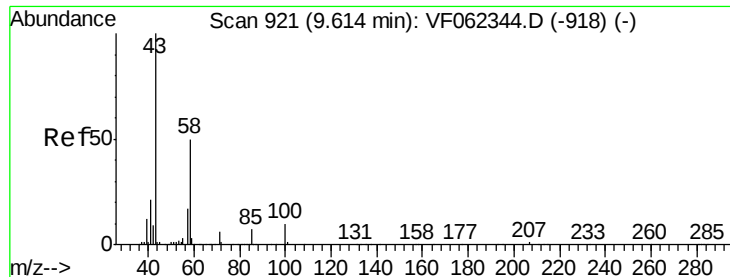
Tgt Ion: 63 Resp: 47006

Ion Ratio Lower Upper

63 100

106 30.8 25.8 38.8

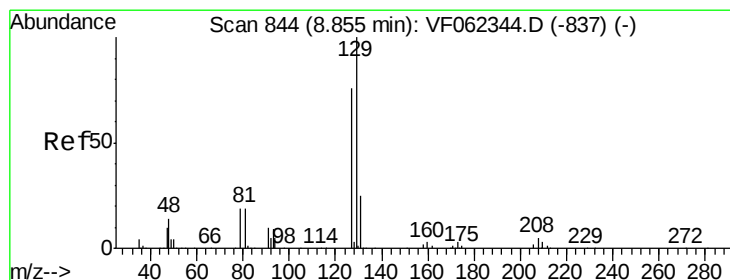
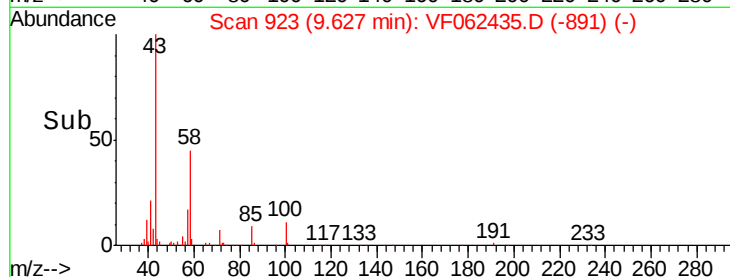
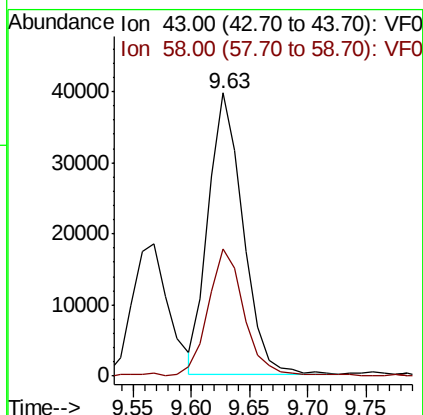
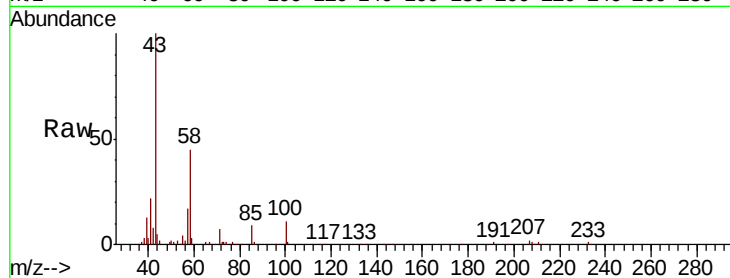




#59
2-Hexanone
Concen: 97.689 ug/l
RT: 9.63 min Scan# 923
Delta R.T. 0.01 min
Lab File: VF062435.D
Acq: 10 May 2019 23:02

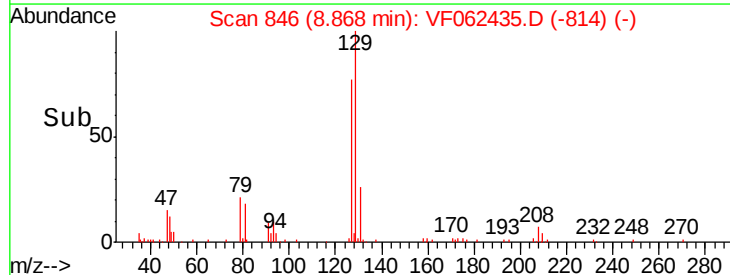
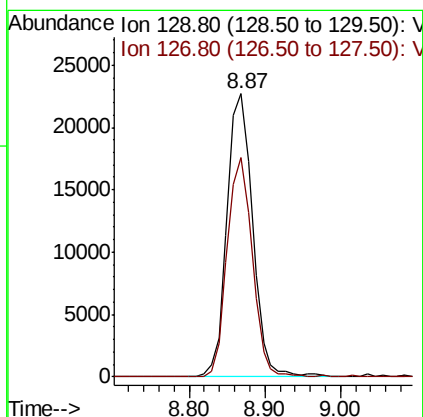
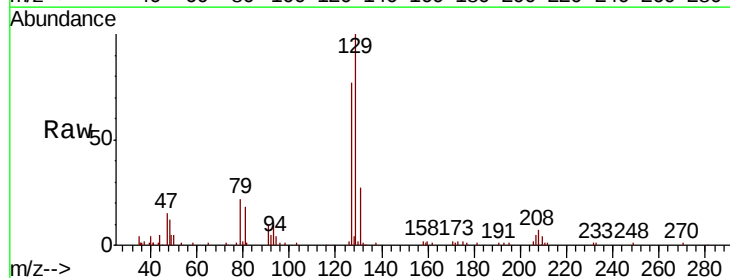
Instrument :
MSVOA_F
ClientSampleId :
VF0510SBS02

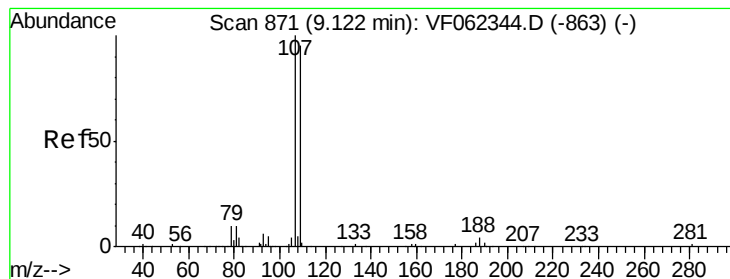
Tot Ion: 43 Resp: 81370
Ion Ratio Lower Upper
43 100
58 47.4 24.3 73.0



#60
Dibromochloromethane
Concen: 21.705 ug/l
RT: 8.87 min Scan# 846
Delta R.T. 0.01 min
Lab File: VF062435.D
Acq: 10 May 2019 23:02

Tgt Ion: 129 Resp: 53495
Ion Ratio Lower Upper
129 100
127 75.6 38.5 115.3





#61

1,2-Dibromoethane

Concen: 21.080 ug/l

RT: 9.13 min Scan# 873

Delta R.T. 0.01 min

Lab File: VF062435.D

Acq: 10 May 2019 23:02

Instrument :

MSVOA_F

ClientSampleId :

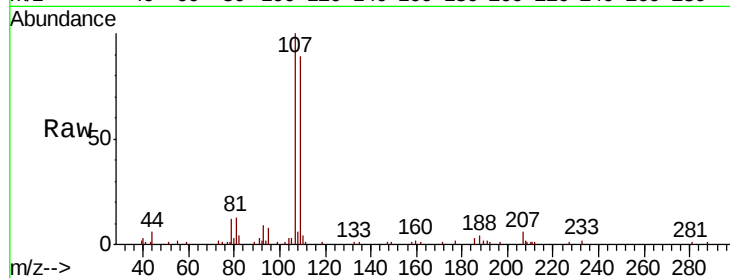
VF0510SBS02

Tot Ion:107 Resp: 37336

Ion Ratio Lower Upper

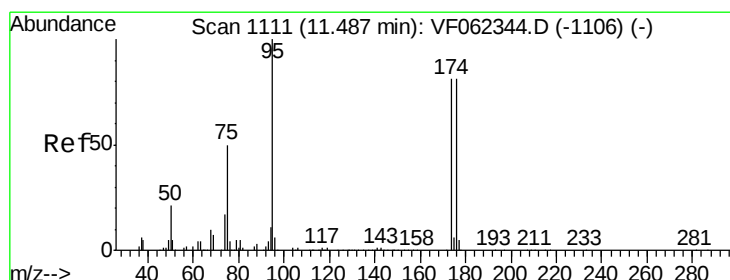
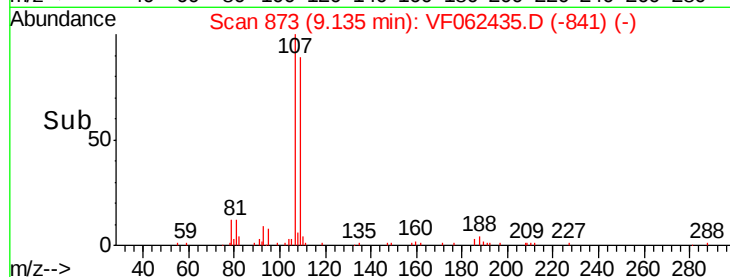
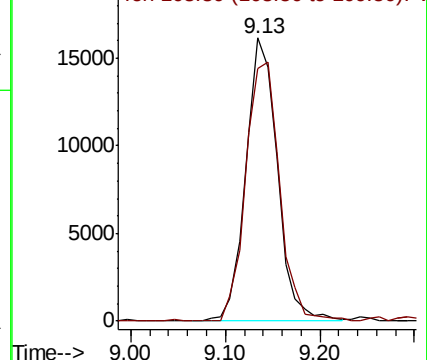
107 100

109 98.2 75.2 112.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 53.020 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. 0.01 min

Lab File: VF062435.D

Acq: 10 May 2019 23:02

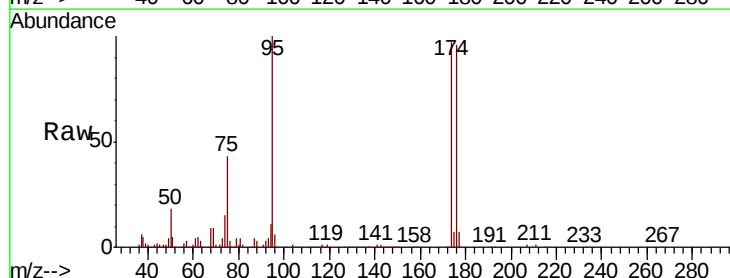
Tgt Ion: 95 Resp: 187651

Ion Ratio Lower Upper

95 100

174 99.0 0.0 191.8

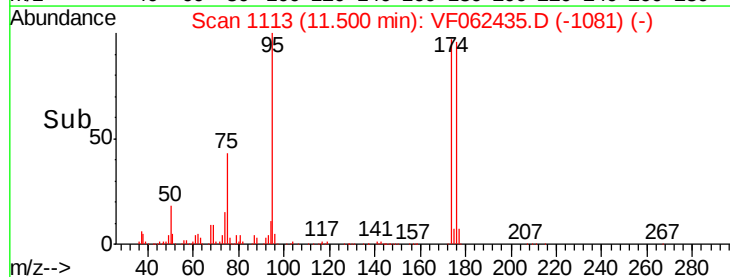
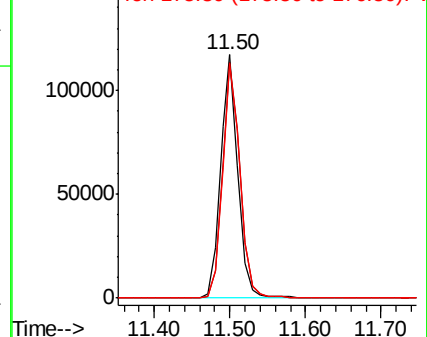
176 97.6 0.0 193.2

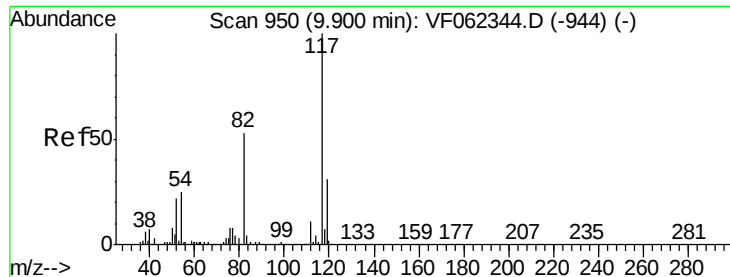


Abundance Ion 94.90 (94.60 to 95.60): VF0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

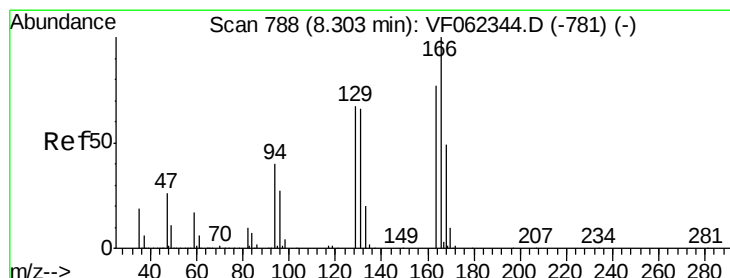
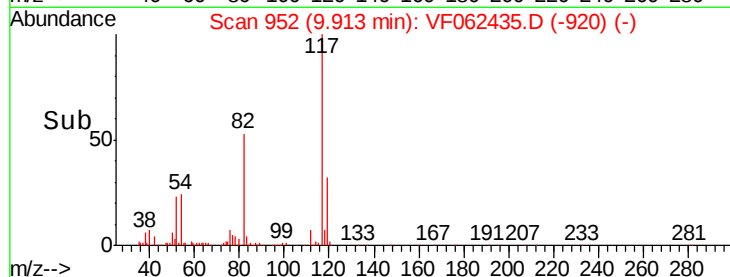
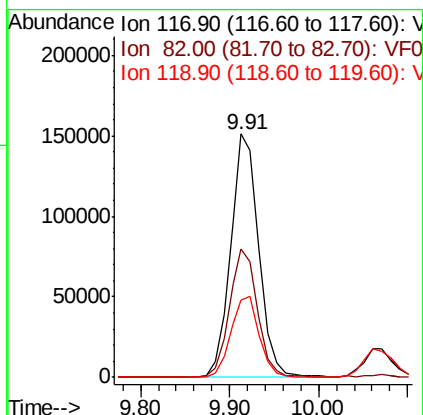
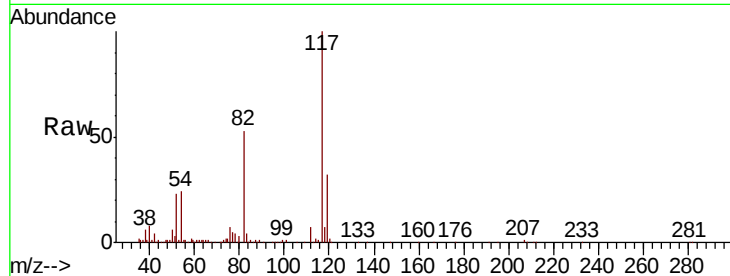




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 952
Delta R.T. 0.01 min
Lab File: VF062435.D
Acq: 10 May 2019 23:02

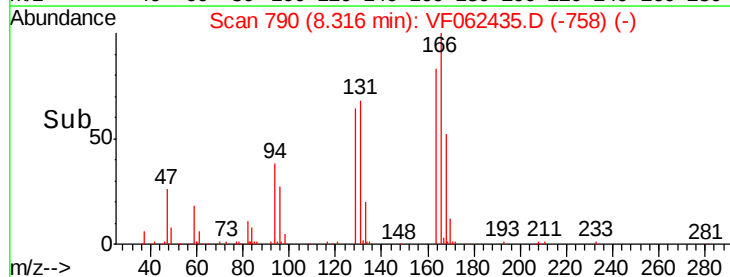
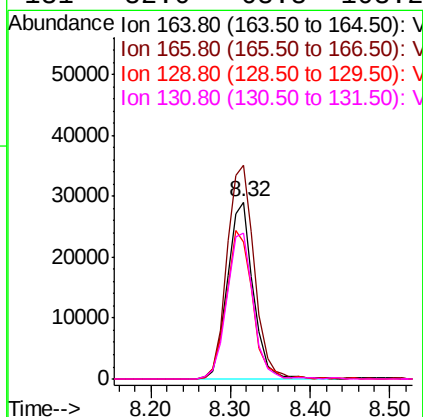
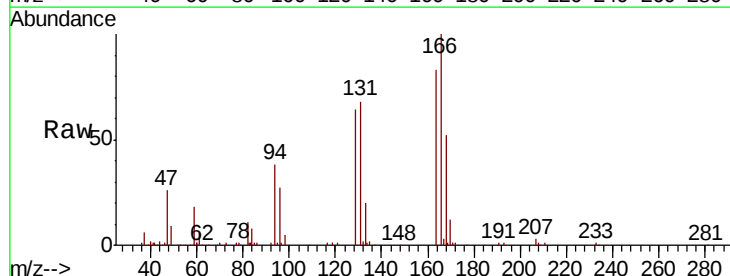
Instrument :
MSVOA_F
ClientSampleId :
VF0510SBS02

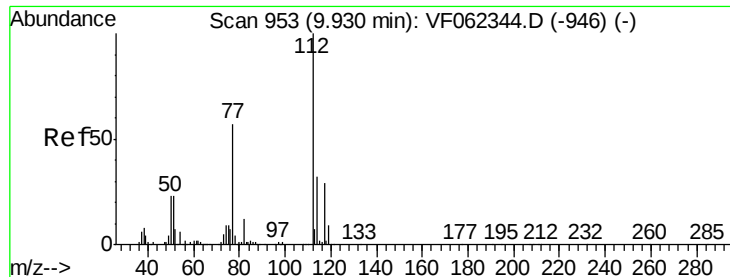
Tot Ion:117 Resp: 333824
Ion Ratio Lower Upper
117 100
82 52.6 42.2 63.2
119 31.7 25.0 37.4



#64
Tetrachloroethene
Concen: 24.302 ug/l
RT: 8.32 min Scan# 790
Delta R.T. 0.01 min
Lab File: VF062435.D
Acq: 10 May 2019 23:02

Tgt Ion:164 Resp: 65861
Ion Ratio Lower Upper
164 100
166 120.5 104.2 156.4
129 77.0 69.6 104.4
131 82.0 68.8 103.2

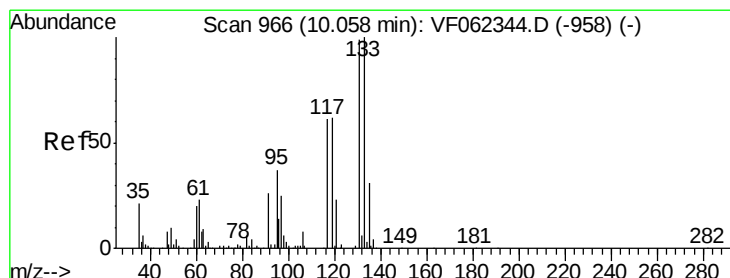
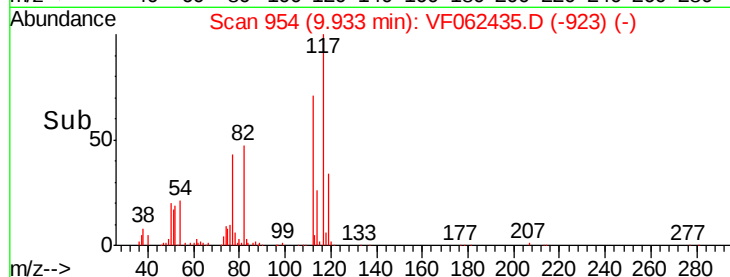
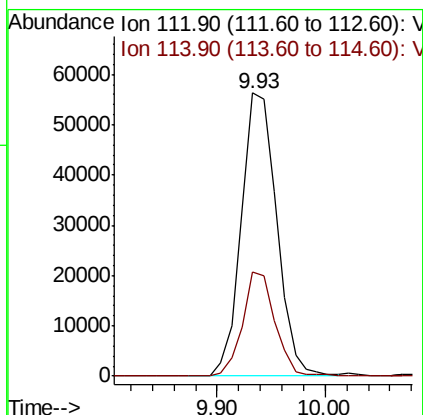
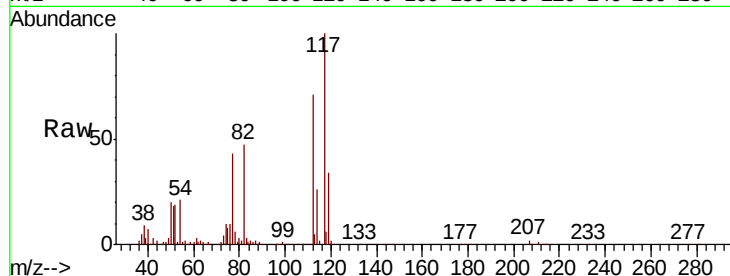




#65
Chlorobenzene
Concen: 23.296 ug/l
RT: 9.93 min Scan# 954
Delta R.T. 0.00 min
Lab File: VF062435.D
Acq: 10 May 2019 23:02

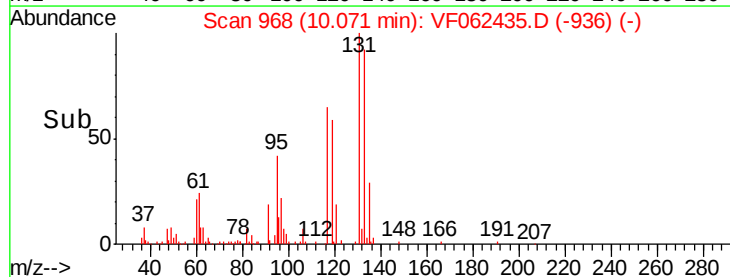
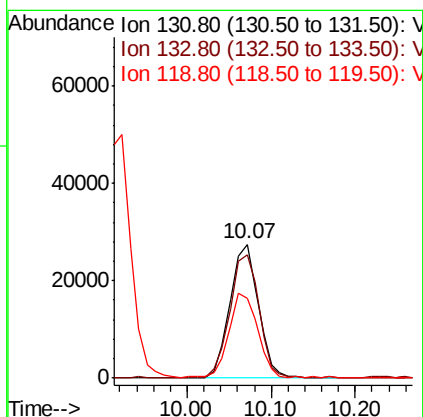
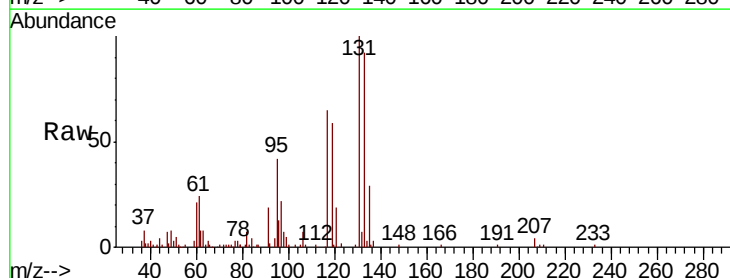
Instrument :
MSVOA_F
ClientSampleId :
VF0510SBS02

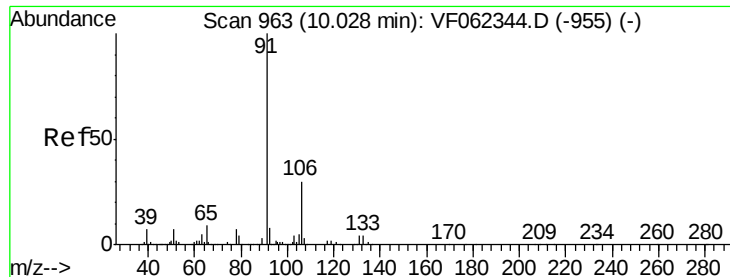
Tot Ion:112 Resp: 128669
Ion Ratio Lower Upper
112 100
114 36.9 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 23.303 ug/l
RT: 10.07 min Scan# 968
Delta R.T. 0.01 min
Lab File: VF062435.D
Acq: 10 May 2019 23:02

Tgt Ion:131 Resp: 64929
Ion Ratio Lower Upper
131 100
133 94.7 50.2 150.7
119 63.6 31.6 95.0





#67

Ethyl Benzene

Concen: 22.773 ug/l

RT: 10.03 min Scan# 964

Delta R.T. 0.00 min

Lab File: VF062435.D

Acq: 10 May 2019 23:02

Instrument :

MSVOA_F

ClientSampleId :

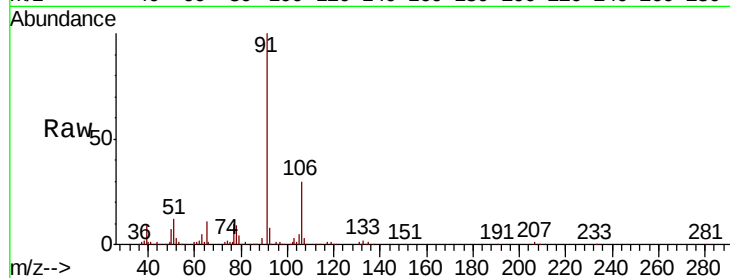
VF0510SBS02

Tot Ion: 91 Resp: 220259

Ion Ratio Lower Upper

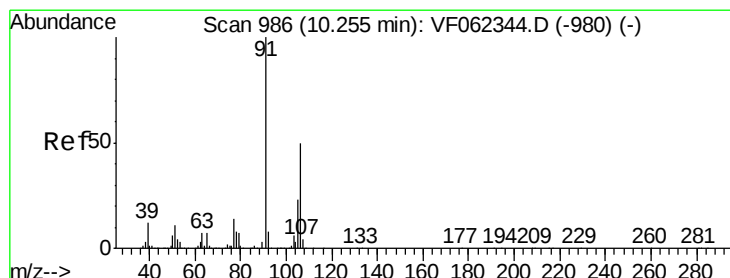
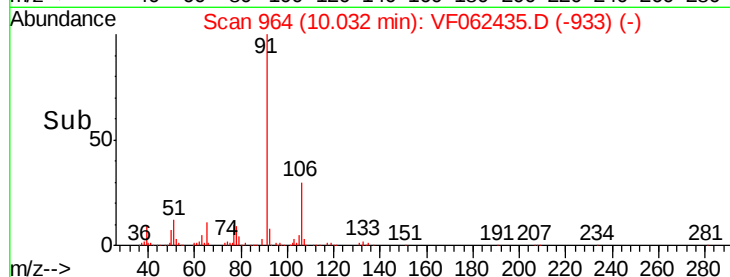
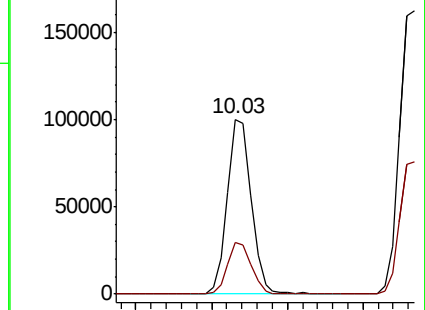
91 100

106 29.7 24.1 36.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 45.531 ug/l

RT: 10.27 min Scan# 988

Delta R.T. 0.01 min

Lab File: VF062435.D

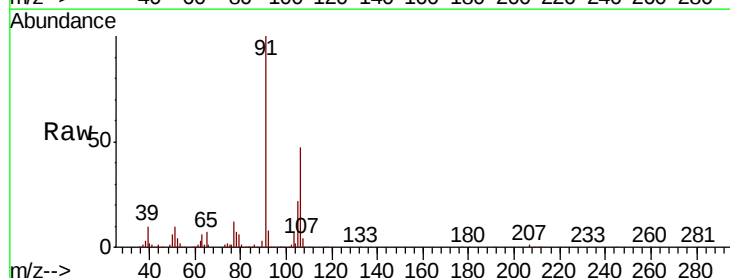
Acq: 10 May 2019 23:02

Tgt Ion: 106 Resp: 162480

Ion Ratio Lower Upper

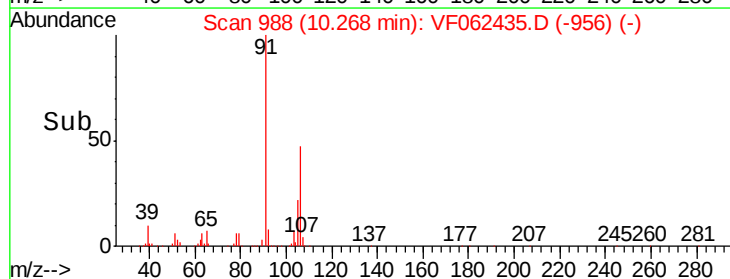
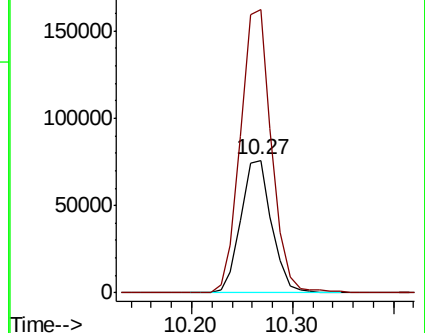
106 100

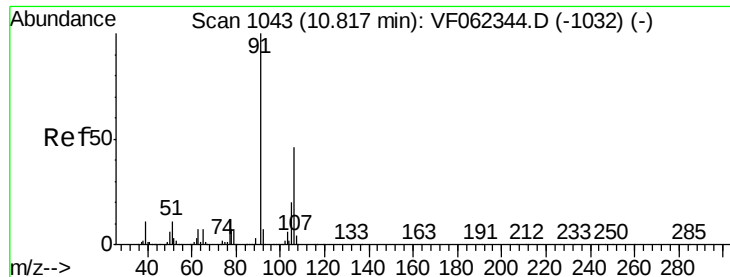
91 214.2 167.4 251.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

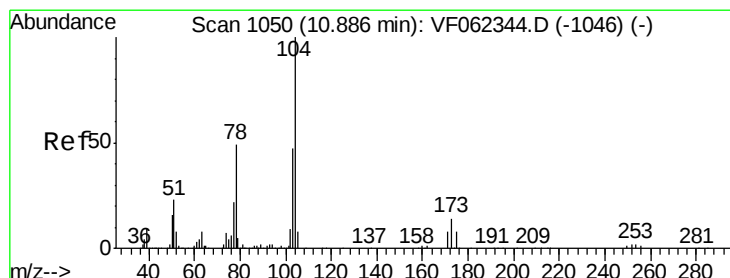
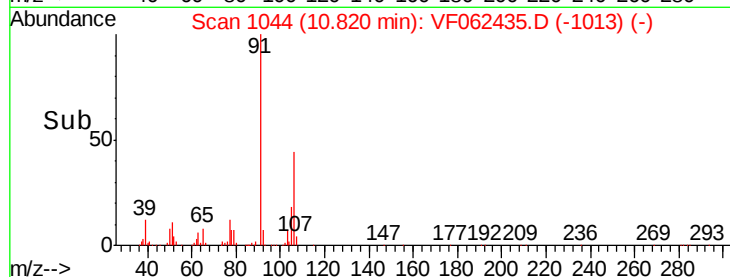
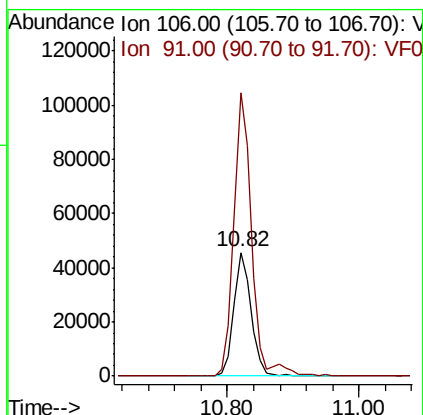
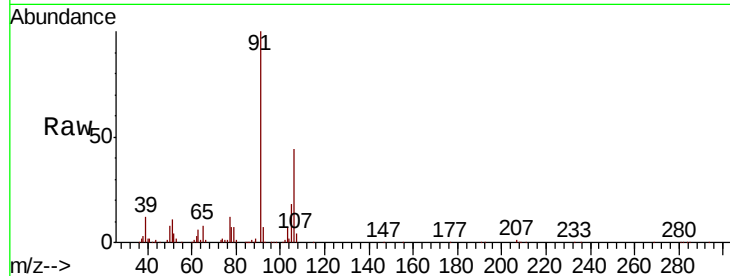




#69
o-Xylene
Concen: 22.033 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. 0.00 min
Lab File: VF062435.D
Acq: 10 May 2019 23:02

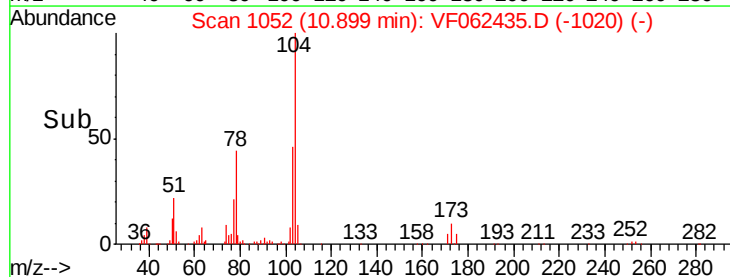
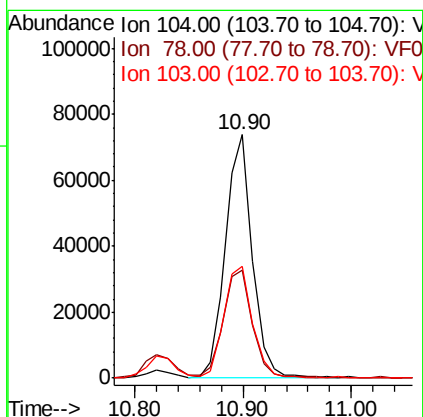
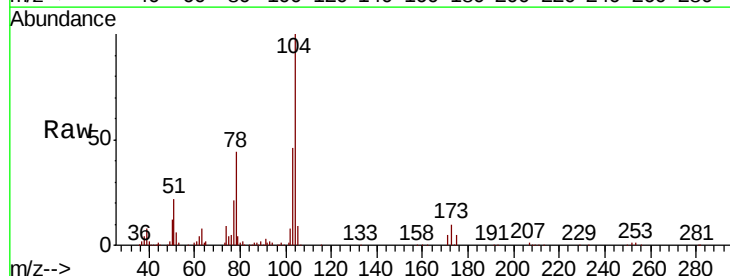
Instrument :
MSVOA_F
ClientSampleId :
VF0510SBS02

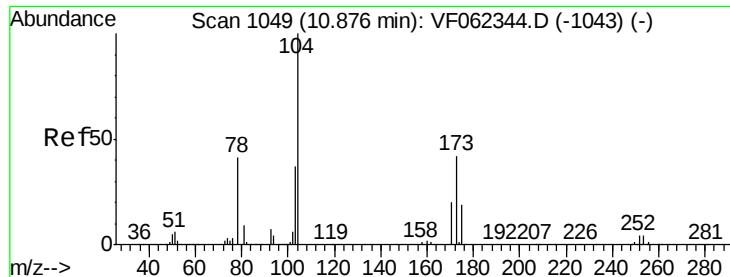
Tot Ion:106 Resp: 84961
Ion Ratio Lower Upper
106 100
91 226.9 111.3 333.8



#70
Styrene
Concen: 21.997 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. 0.01 min
Lab File: VF062435.D
Acq: 10 May 2019 23:02

Tgt Ion:104 Resp: 127126
Ion Ratio Lower Upper
104 100
78 48.0 39.5 59.3
103 48.4 38.4 57.6

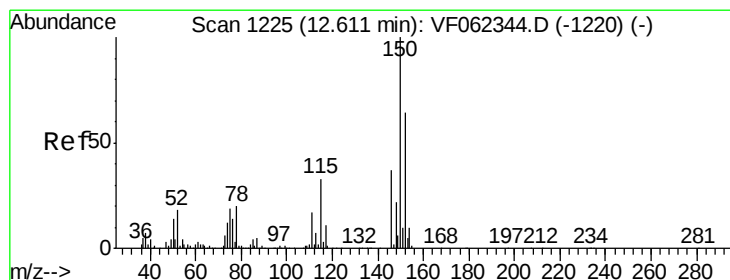
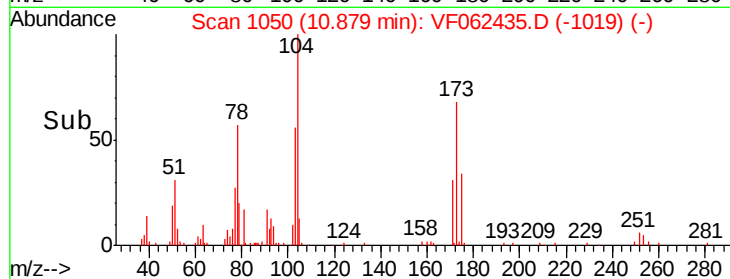
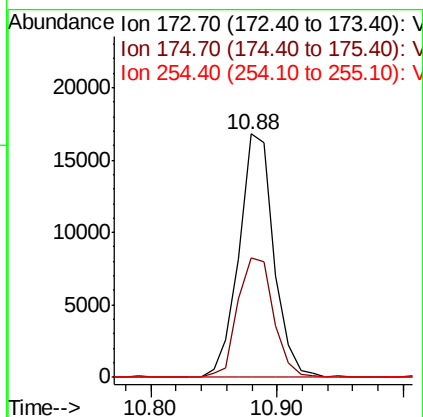
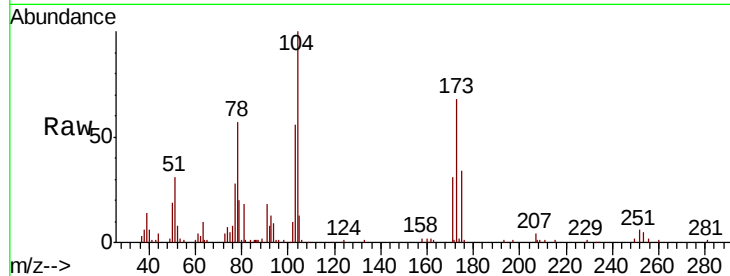




#71
Bromoform
Concen: 21.077 ug/l
RT: 10.88 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VF062435.D
Acq: 10 May 2019 23:02

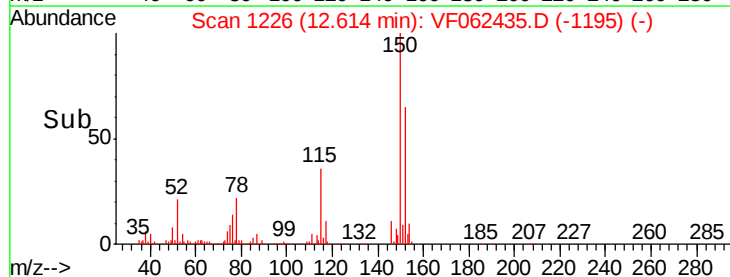
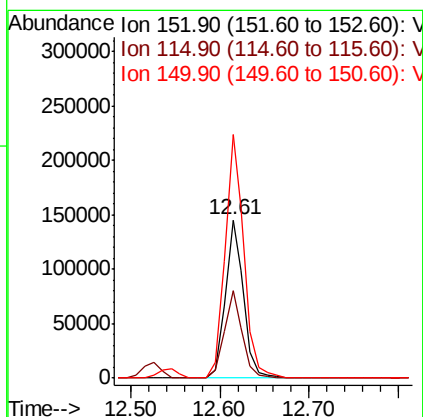
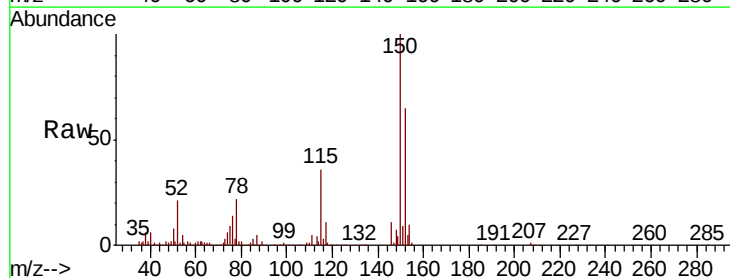
Instrument :
MSVOA_F
ClientSampleId :
VF0510SBS02

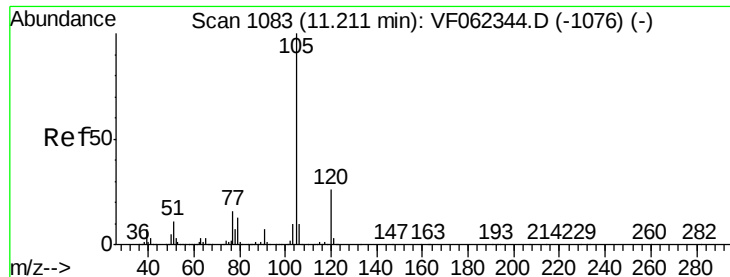
Tot Ion:173 Resp: 32175
Ion Ratio Lower Upper
173 100
175 50.5 23.8 71.2
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.61 min Scan# 1226
Delta R.T. 0.00 min
Lab File: VF062435.D
Acq: 10 May 2019 23:02

Tgt Ion:152 Resp: 209358
Ion Ratio Lower Upper
152 100
115 54.7 26.4 79.2
150 160.7 0.0 335.0





#73

Isopropylbenzene

Concen: 22.668 ug/l

RT: 11.21 min Scan# 1084

Delta R.T. 0.00 min

Lab File: VF062435.D

Acq: 10 May 2019 23:02

Instrument :

MSVOA_F

ClientSampleId :

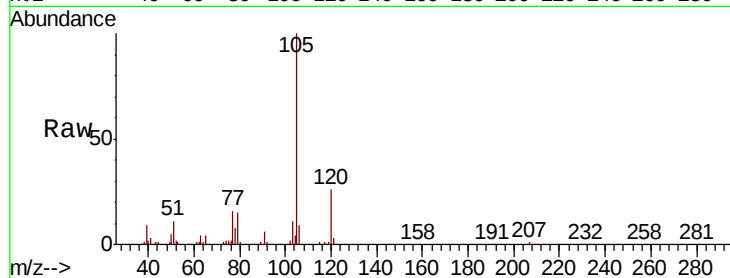
VF0510SBS02

Tot Ion:105 Resp: 281345

Ion Ratio Lower Upper

105 100

120 26.3 12.7 38.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.21

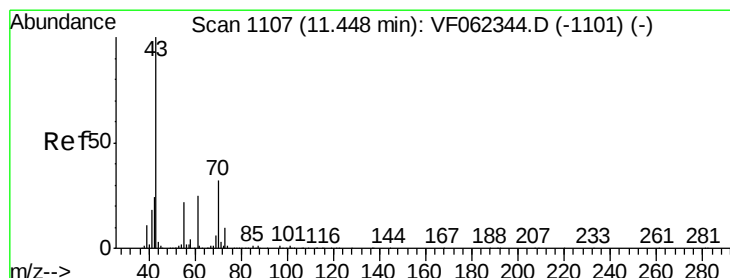
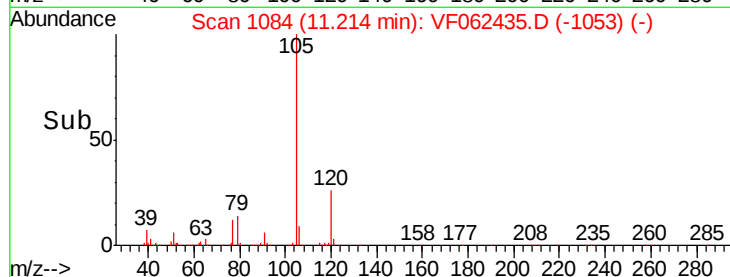
150000

100000

50000

0

Time--> 11.10 11.20 11.30 11.40



#74

N-ethyl acetate

Concen: 20.404 ug/l

RT: 11.45 min Scan# 1108

Delta R.T. 0.00 min

Lab File: VF062435.D

Acq: 10 May 2019 23:02

Tgt Ion: 43 Resp: 54369

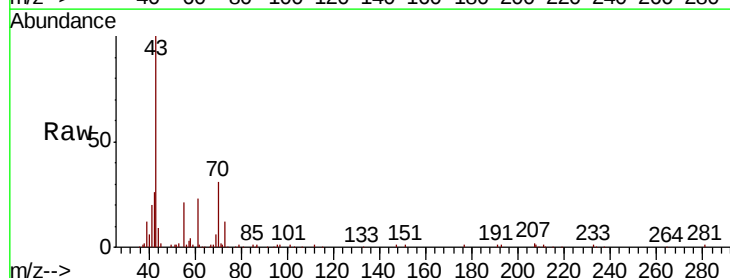
Ion Ratio Lower Upper

43 100

70 34.7 26.5 39.7

55 24.5 17.8 26.6

61 24.7 20.2 30.2



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

50000

40000

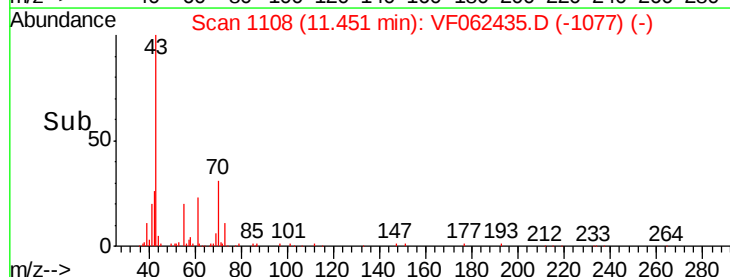
30000

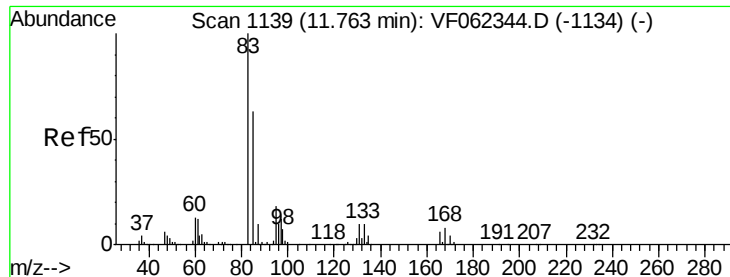
20000

10000

0

Time--> 11.40 11.50





#75

1,1,2,2-Tetrachloroethane

Concen: 22.167 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. 0.01 min

Lab File: VF062435.D

Acq: 10 May 2019 23:02

Instrument :

MSVOA_F

ClientSampleId :

VF0510SBS02

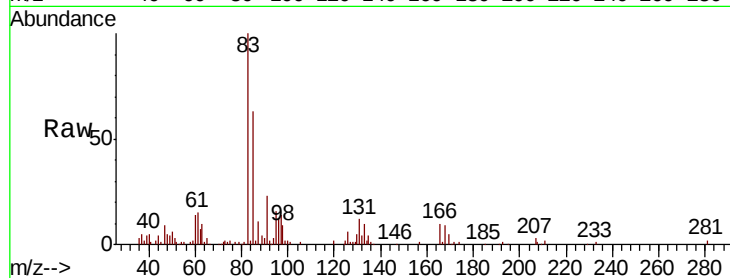
Tot Ion: 83 Resp: 43078

Ion Ratio Lower Upper

83 100

131 11.3 5.8 17.4

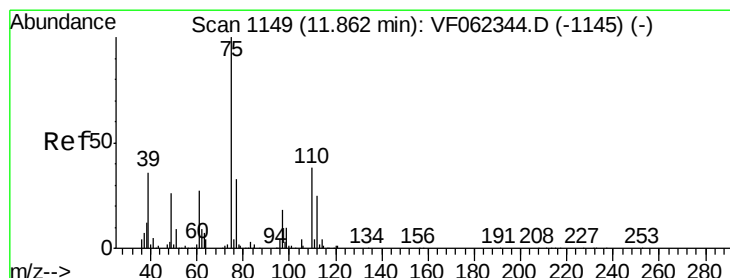
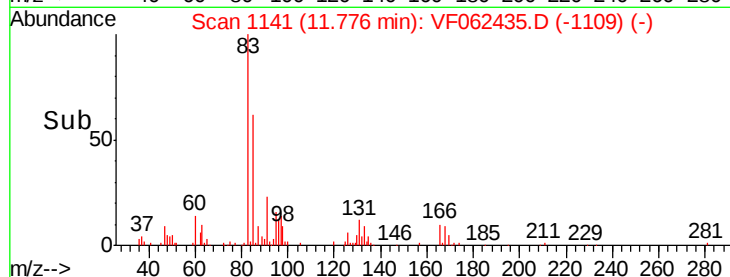
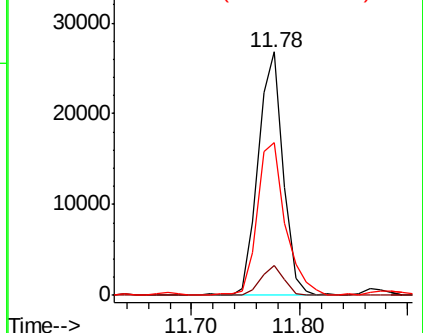
85 70.9 35.3 105.7



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: 22.241 ug/l

RT: 11.87 min Scan# 1151

Delta R.T. 0.01 min

Lab File: VF062435.D

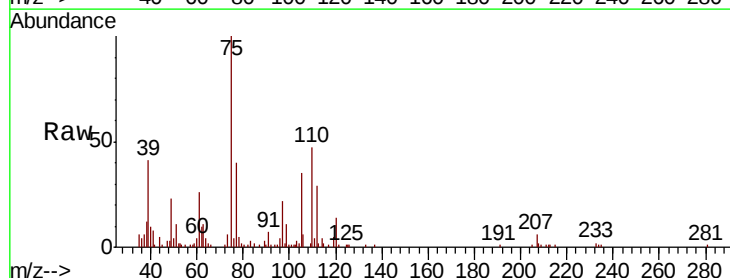
Acq: 10 May 2019 23:02

Tgt Ion: 75 Resp: 32976

Ion Ratio Lower Upper

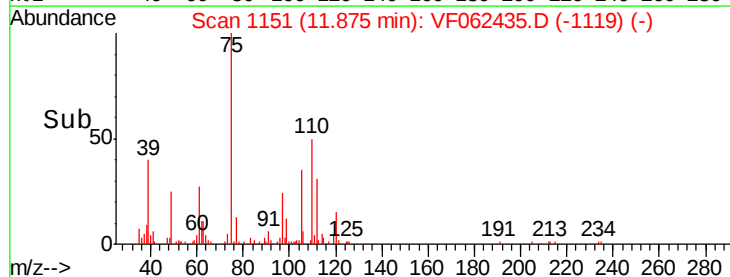
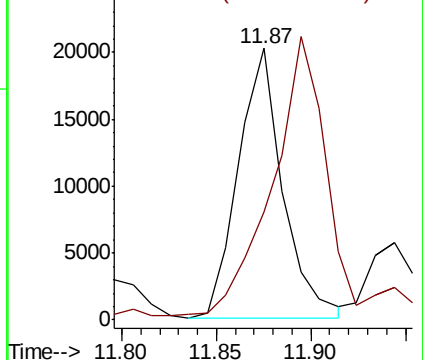
75 100

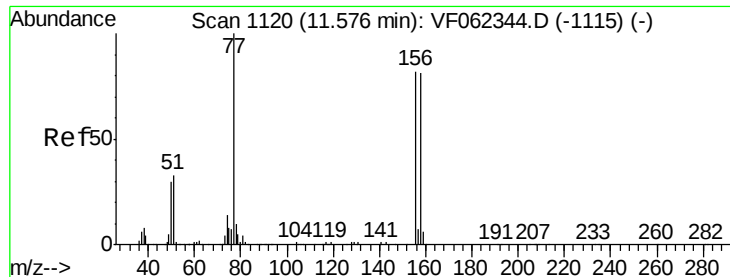
77 125.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 77.00 (76.70 to 77.70): VF0

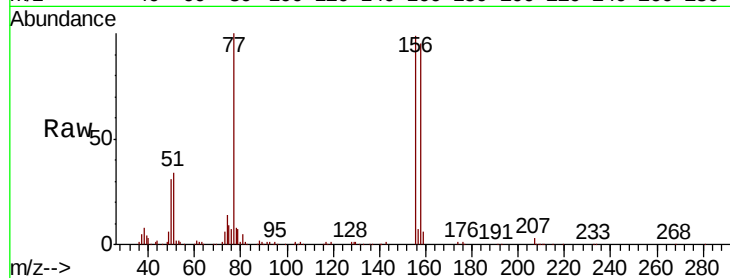




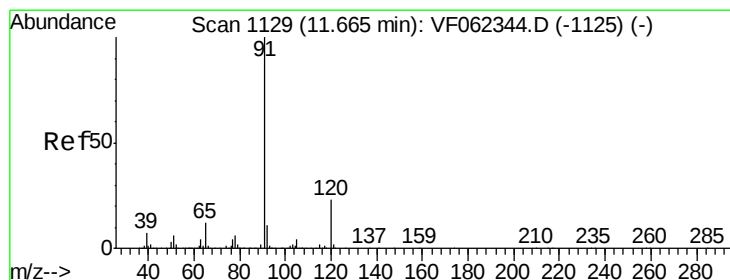
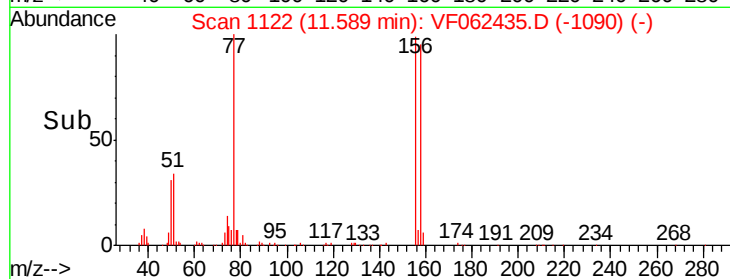
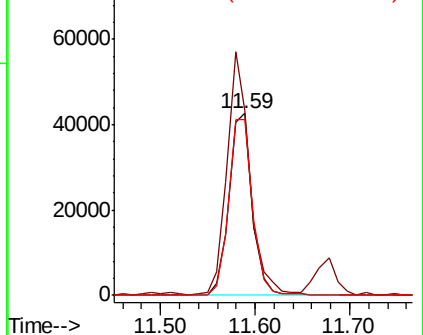
#77
Bromobenzene
Concen: 22.306 ug/l
RT: 11.59 min Scan# 1122
Delta R.T. 0.01 min
Lab File: VF062435.D
Acq: 10 May 2019 23:02

Instrument :
MSVOA_F
ClientSampleId :
VF0510SBS02

Tot Ion:156 Resp: 72659
Ion Ratio Lower Upper
156 100
77 128.2 64.8 194.3
158 99.7 49.1 147.3

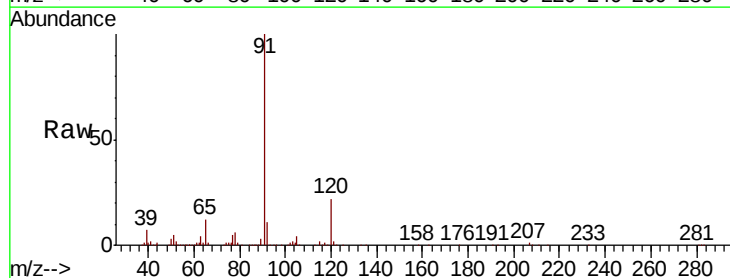


Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VF0
Ion 157.80 (157.50 to 158.50): V

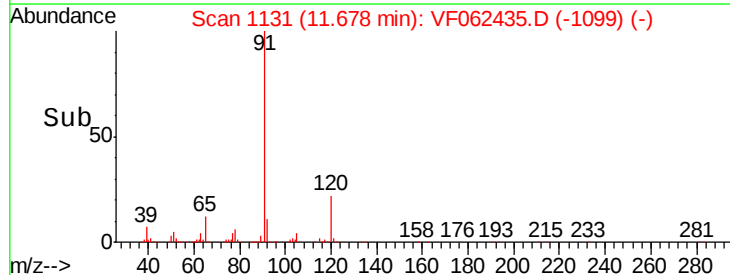
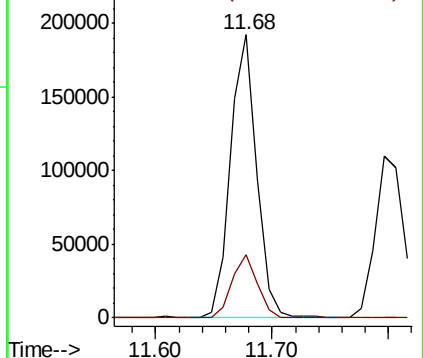


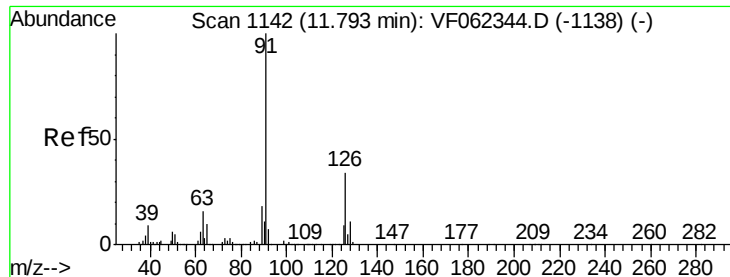
#78
n-propylbenzene
Concen: 22.478 ug/l
RT: 11.68 min Scan# 1131
Delta R.T. 0.01 min
Lab File: VF062435.D
Acq: 10 May 2019 23:02

Tgt Ion: 91 Resp: 297022
Ion Ratio Lower Upper
91 100
120 22.2 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VF0
Ion 120.00 (119.70 to 120.70): V

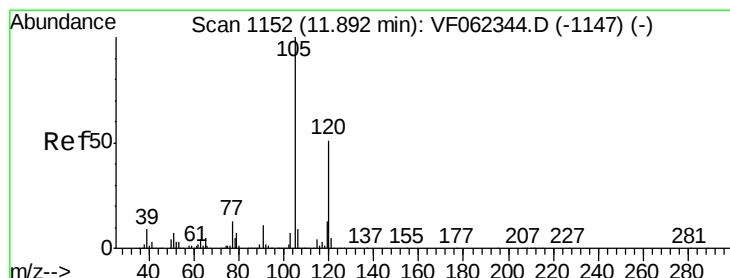
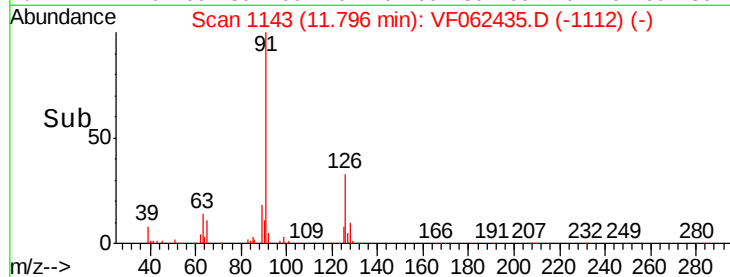
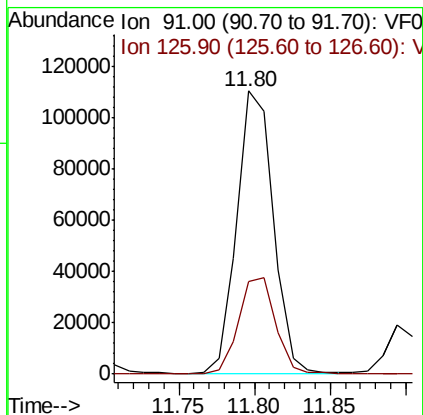
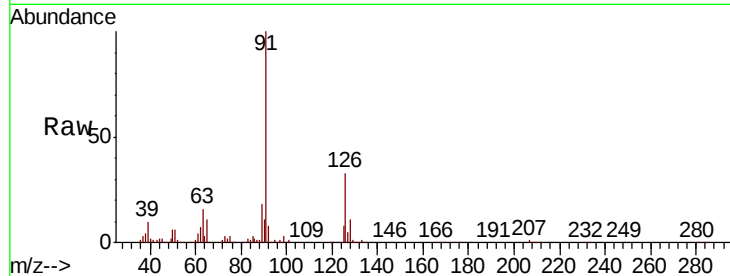




#79
 2-Chlorotoluene
 Concen: 22.428 ug/l
 RT: 11.80 min Scan# 1143
 Delta R.T. 0.00 min
 Lab File: VF062435.D
 Acq: 10 May 2019 23:02

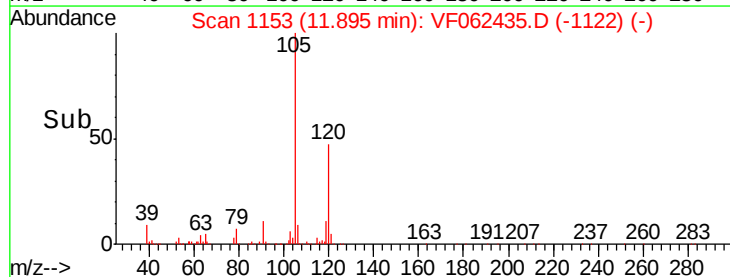
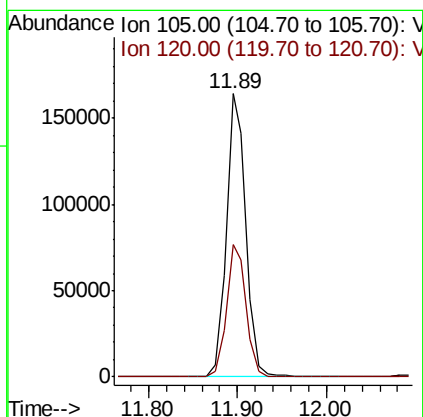
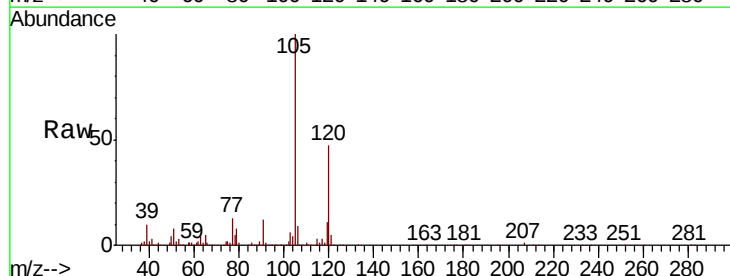
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0510SBS02

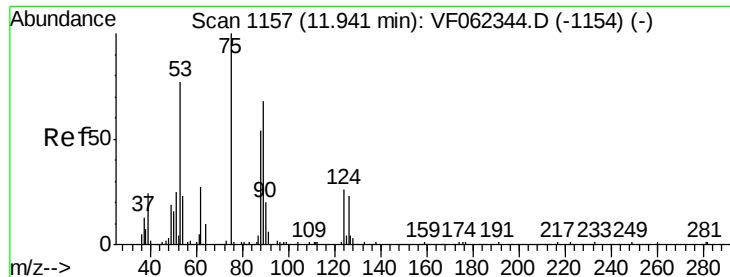
Tot Ion: 91 Resp: 184284
 Ion Ratio Lower Upper
 91 100
 126 34.6 17.8 53.4



#80
 1,3,5-Trimethylbenzene
 Concen: 23.190 ug/l
 RT: 11.89 min Scan# 1153
 Delta R.T. 0.00 min
 Lab File: VF062435.D
 Acq: 10 May 2019 23:02

Tgt Ion:105 Resp: 252277
 Ion Ratio Lower Upper
 105 100
 120 47.2 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 13.511 ug/l

RT: 11.94 min Scan# 1158

Delta R.T. 0.00 min

Lab File: VF062435.D

Acq: 10 May 2019 23:02

Instrument :

MSVOA_F

ClientSampleId :

VF0510SBS02

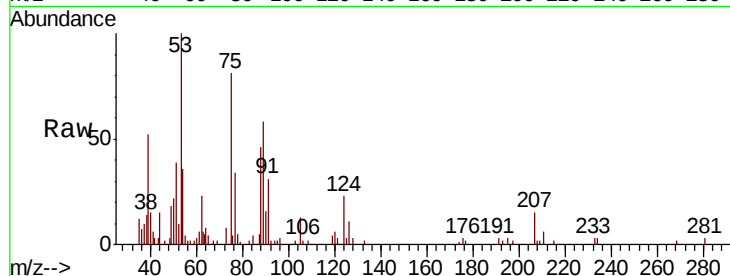
Tot Ion: 75 Resp: 7530

Ion Ratio Lower Upper

75 100

53 137.7 71.9 107.9#

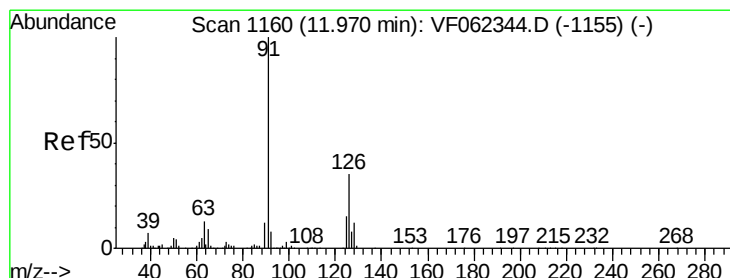
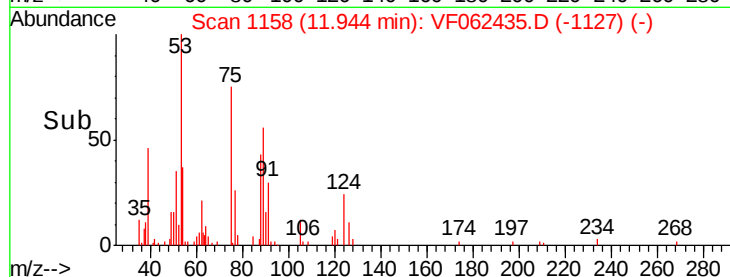
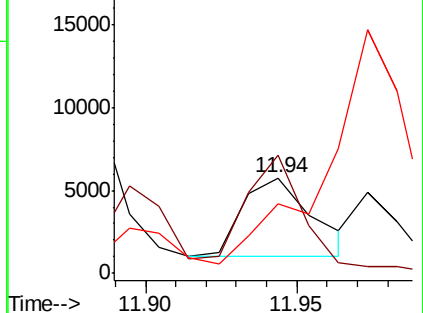
89 0.0 0.0 0.0



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: 22.125 ug/l

RT: 11.97 min Scan# 1161

Delta R.T. 0.00 min

Lab File: VF062435.D

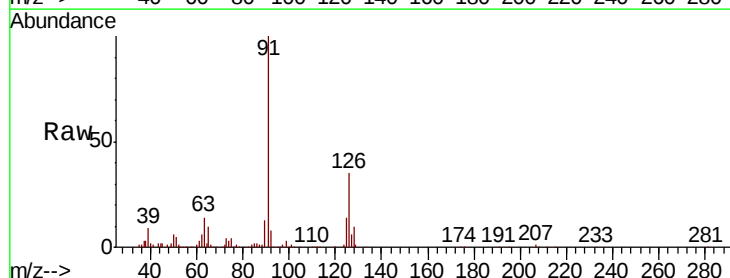
Acq: 10 May 2019 23:02

Tgt Ion: 91 Resp: 179553

Ion Ratio Lower Upper

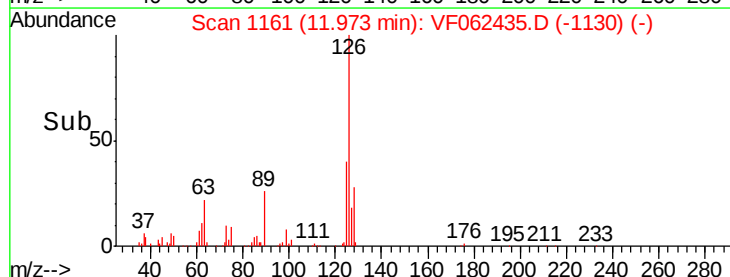
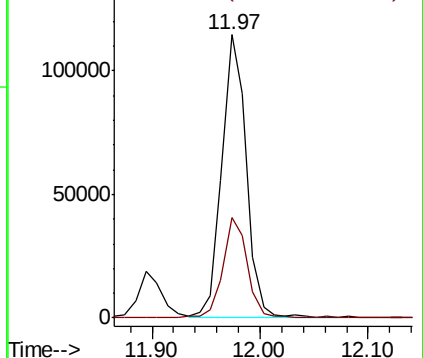
91 100

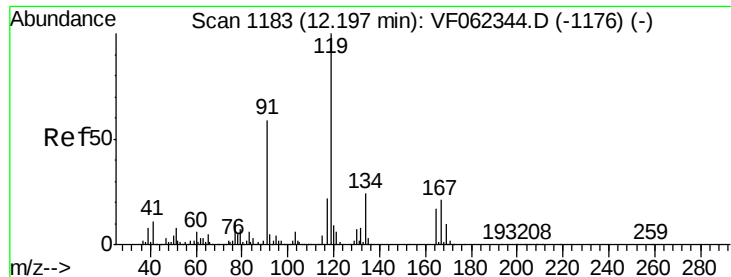
126 35.8 17.7 53.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 125.90 (125.60 to 126.60): V

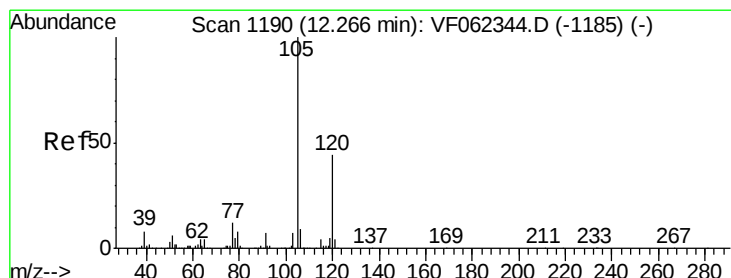
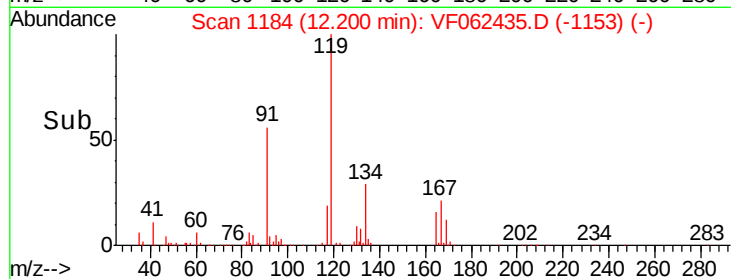
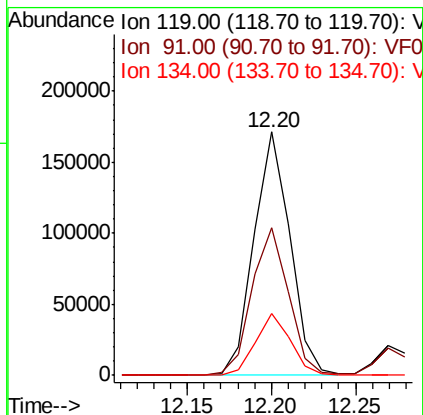
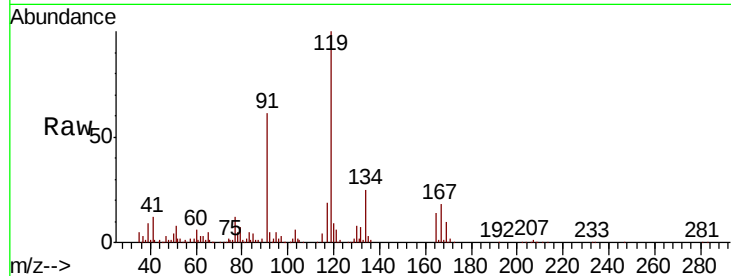




#83
tert-Butylbenzene
Concen: 22.317 ug/l
RT: 12.20 min Scan# 1184
Delta R.T. 0.00 min
Lab File: VF062435.D
Acq: 10 May 2019 23:02

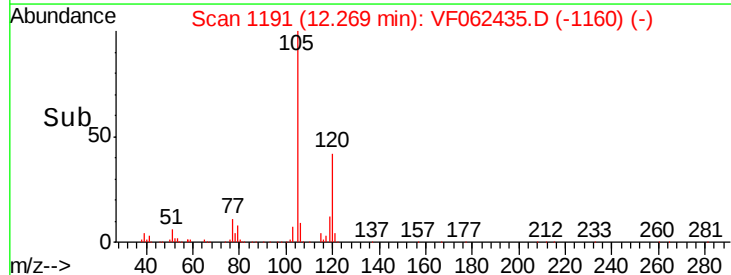
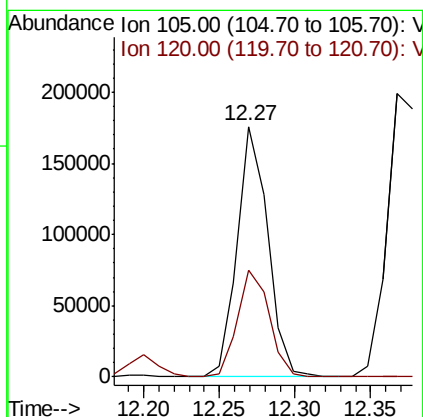
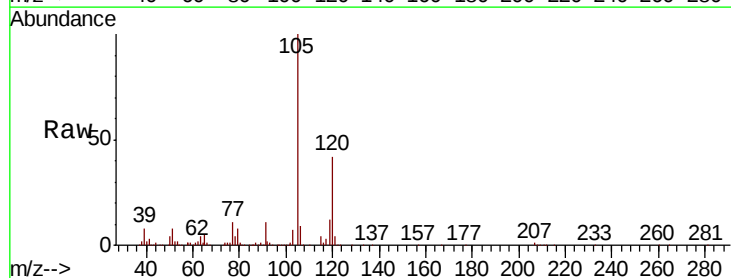
Instrument :
MSVOA_F
ClientSampleId :
VF0510SBS02

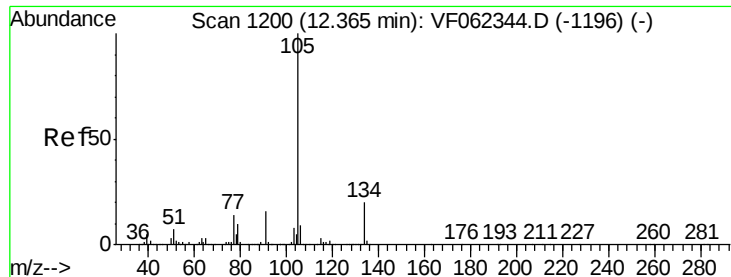
Tot Ion:119 Resp: 255147
Ion Ratio Lower Upper
119 100
91 61.4 30.4 91.3
134 24.7 11.9 35.7



#84
1,2,4-Trimethylbenzene
Concen: 23.231 ug/l
RT: 12.27 min Scan# 1191
Delta R.T. 0.00 min
Lab File: VF062435.D
Acq: 10 May 2019 23:02

Tgt Ion:105 Resp: 247316
Ion Ratio Lower Upper
105 100
120 44.3 22.6 67.7

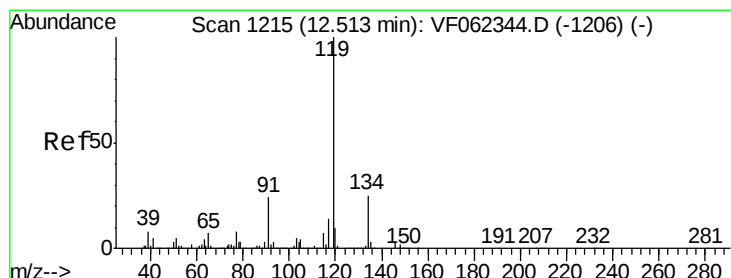
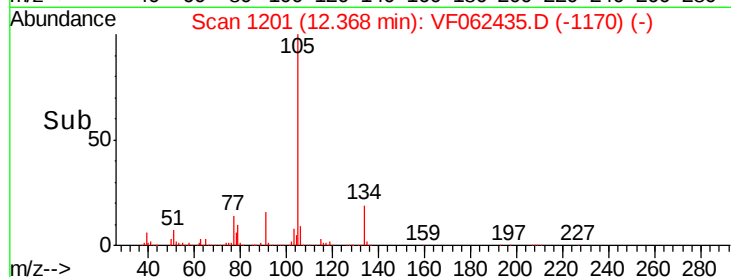
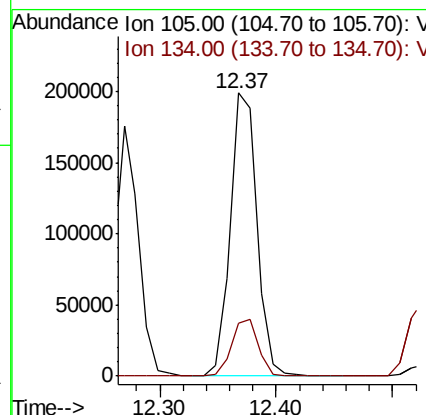
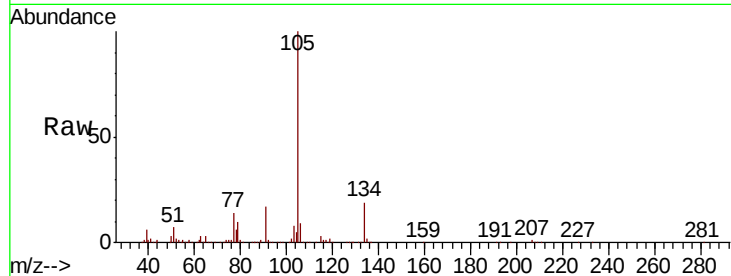




#85
 sec-Butylbenzene
 Concen: 22.678 ug/l
 RT: 12.37 min Scan# 1201
 Delta R.T. 0.00 min
 Lab File: VF062435.D
 Acq: 10 May 2019 23:02

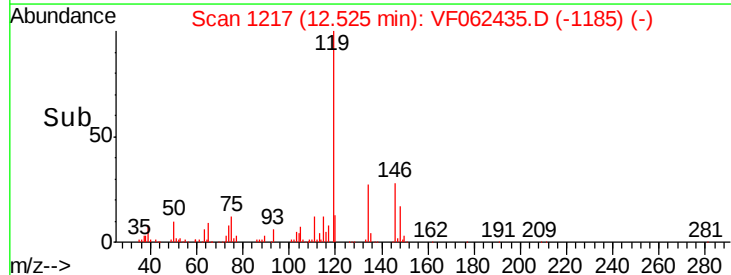
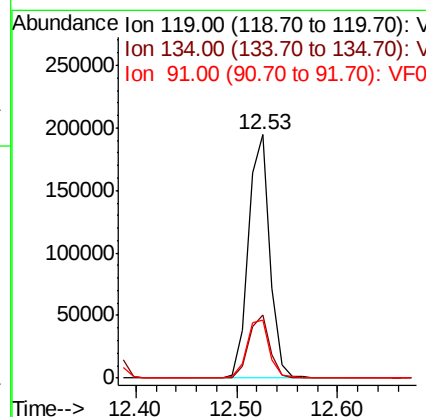
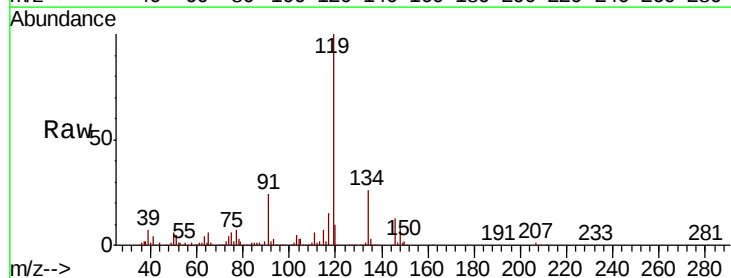
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0510SBS02

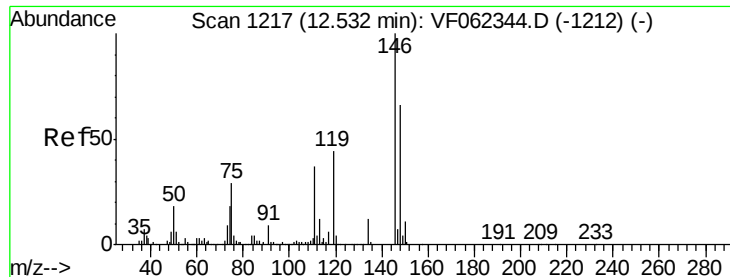
Tot Ion:105 Resp: 315584
 Ion Ratio Lower Upper
 105 100
 134 20.3 9.8 29.5



#86
 p-Isopropyltoluene
 Concen: 22.320 ug/l
 RT: 12.53 min Scan# 1217
 Delta R.T. 0.01 min
 Lab File: VF062435.D
 Acq: 10 May 2019 23:02

Tgt Ion:119 Resp: 288581
 Ion Ratio Lower Upper
 119 100
 134 25.4 12.9 38.7
 91 25.0 12.3 36.8





#87

1,3-Dichlorobenzene

Concen: 23.488 ug/l

RT: 12.55 min Scan# 1219

Delta R.T. 0.01 min

Lab File: VF062435.D

Acq: 10 May 2019 23:02

Instrument :

MSVOA_F

ClientSampleId :

VF0510SBS02

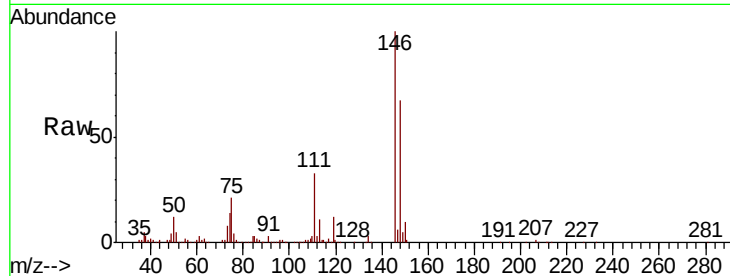
Tot Ion:146 Resp: 139730

Ion Ratio Lower Upper

146 100

111 37.0 18.3 54.8

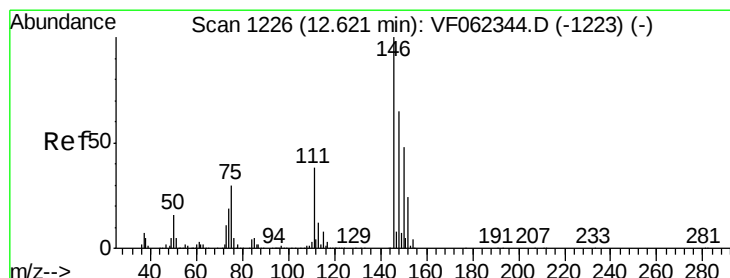
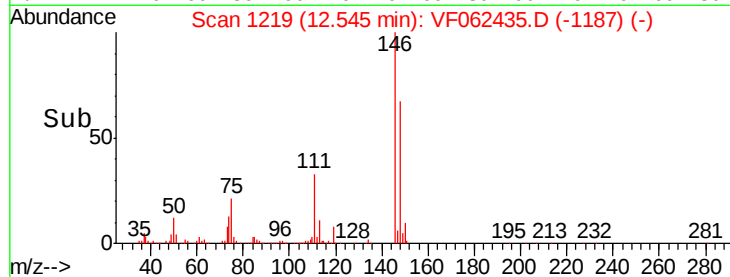
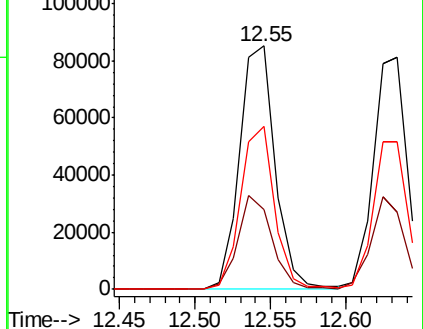
148 64.1 32.3 96.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 22.566 ug/l

RT: 12.63 min Scan# 1228

Delta R.T. 0.01 min

Lab File: VF062435.D

Acq: 10 May 2019 23:02

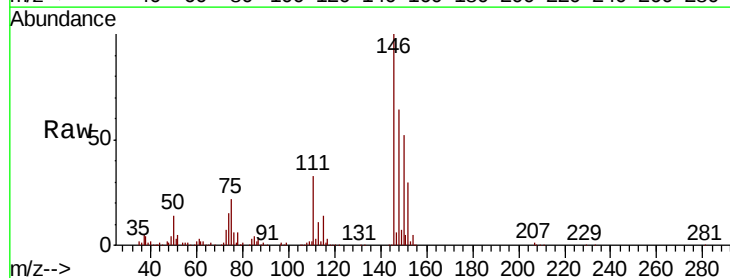
Tgt Ion:146 Resp: 129569

Ion Ratio Lower Upper

146 100

111 38.3 18.8 56.3

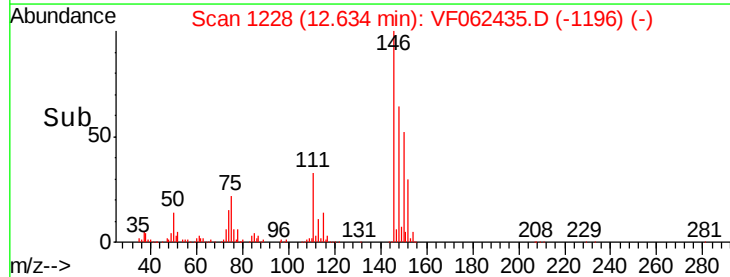
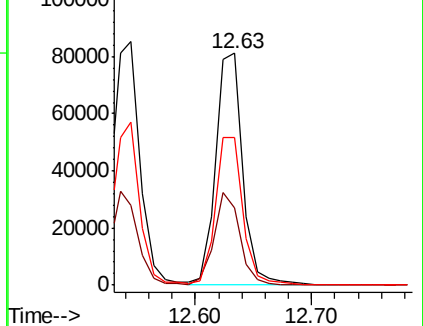
148 65.6 32.2 96.6

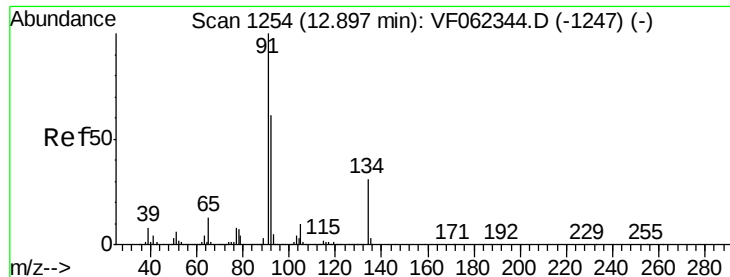


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 23.103 ug/l

RT: 12.90 min Scan# 1255

Delta R.T. 0.00 min

Lab File: VF062435.D

Acq: 10 May 2019 23:02

Instrument :

MSVOA_F

ClientSampleId :

VF0510SBS02

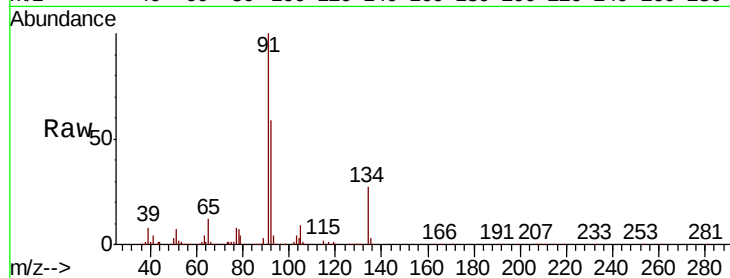
Tot Ion: 91 Resp: 265751

Ion Ratio Lower Upper

91 100

92 57.4 30.0 90.0

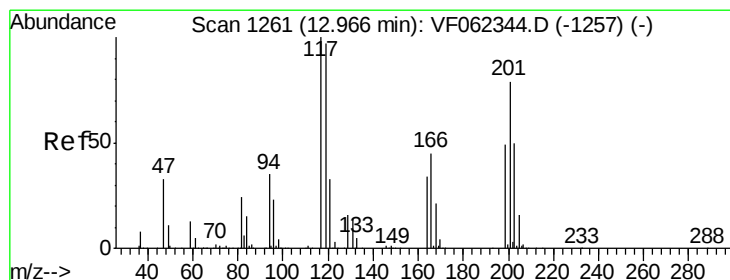
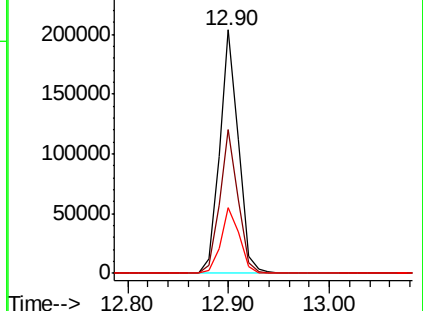
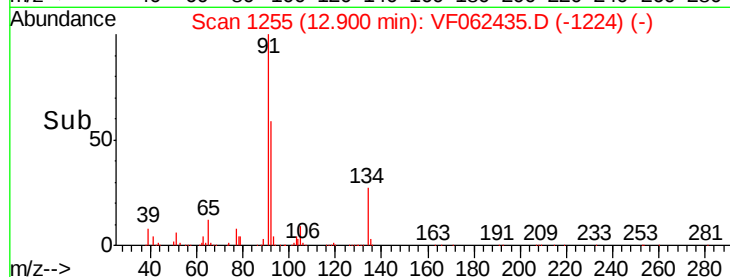
134 26.8 14.1 42.4



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: 21.197 ug/l

RT: 12.98 min Scan# 1263

Delta R.T. 0.01 min

Lab File: VF062435.D

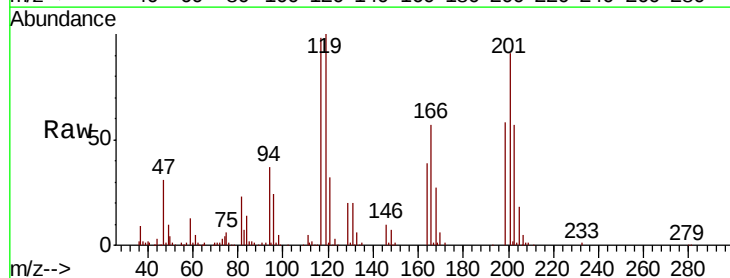
Acq: 10 May 2019 23:02

Tgt Ion: 117 Resp: 68430

Ion Ratio Lower Upper

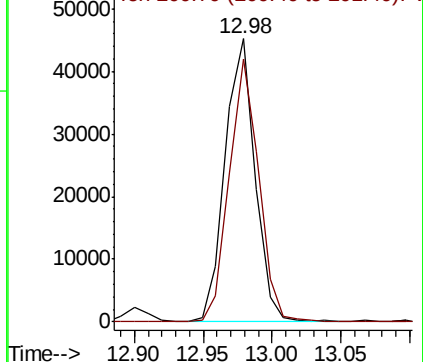
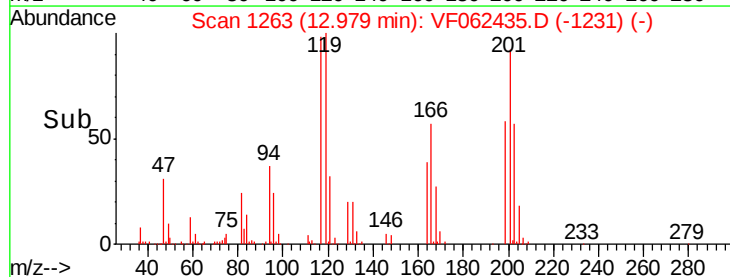
117 100

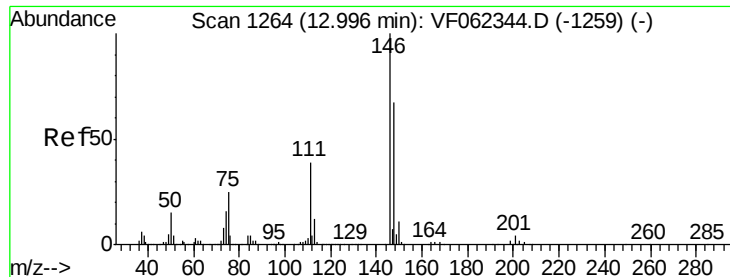
201 91.5 46.2 138.5



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

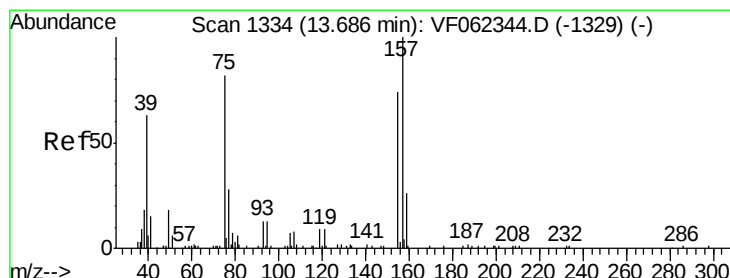
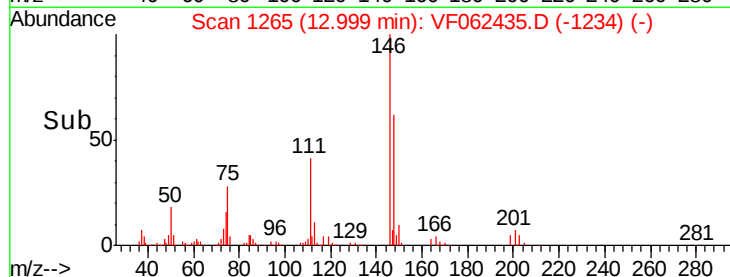
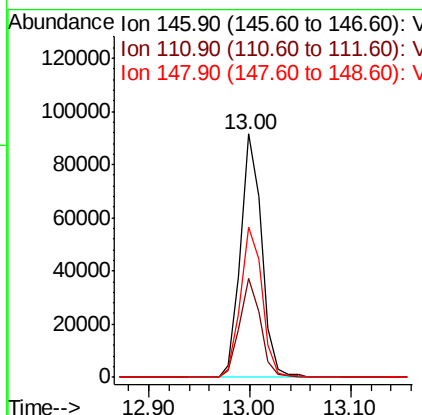
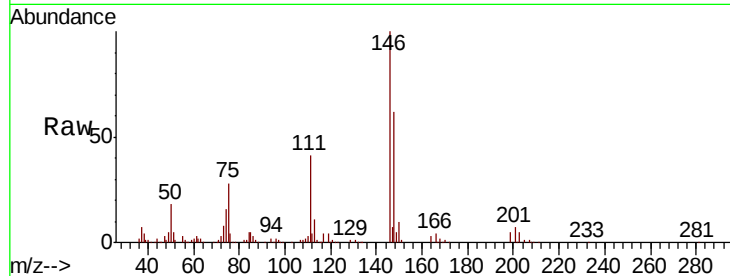




#91
 1,2-Dichlorobenzene
 Concen: 23.211 ug/l
 RT: 13.00 min Scan# 1265
 Delta R.T. 0.00 min
 Lab File: VF062435.D
 Acq: 10 May 2019 23:02

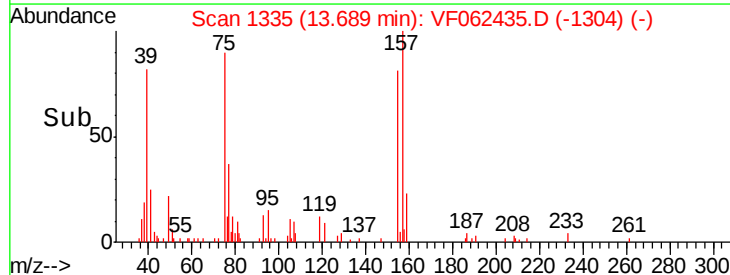
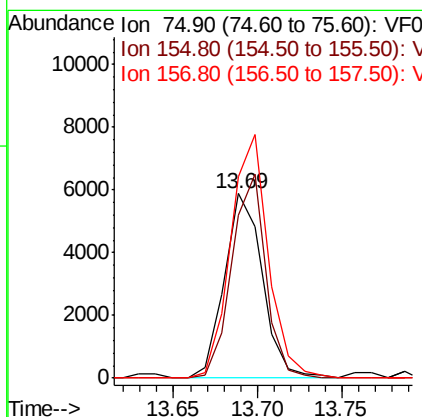
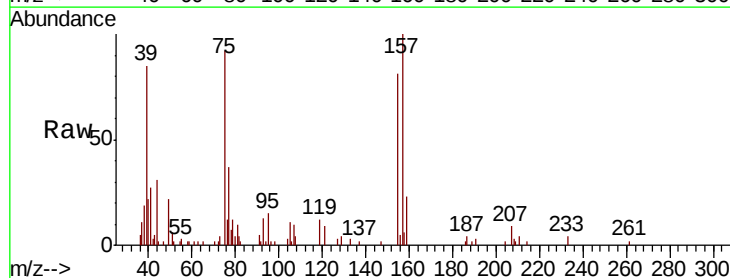
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0510SBS02

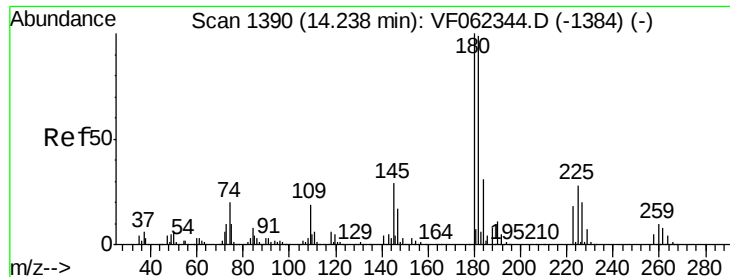
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.0	60.0
148	63.5	33.1	99.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.253 ug/l
 RT: 13.69 min Scan# 1335
 Delta R.T. 0.00 min
 Lab File: VF062435.D
 Acq: 10 May 2019 23:02

Tgt Ion	Ratio	Lower	Upper
75	100		
155	98.5	51.8	155.4
157	129.9	67.3	201.8

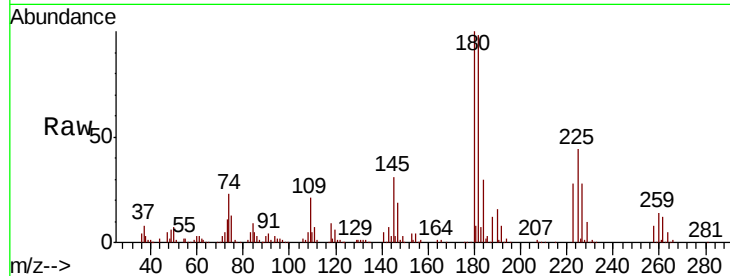




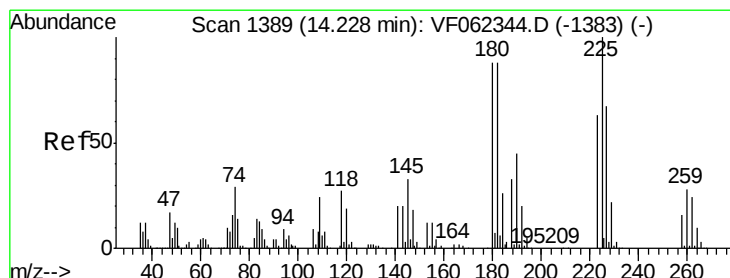
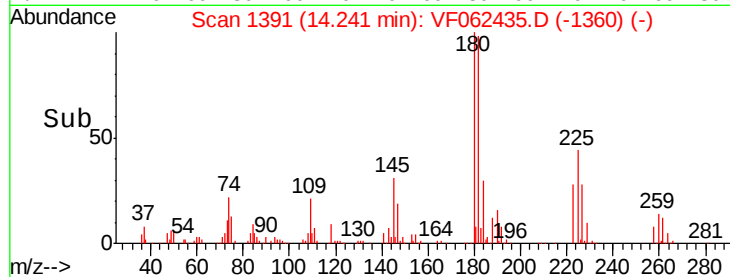
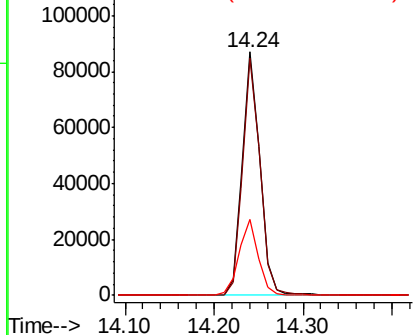
#93
 1,2,4-Trichlorobenzene
 Concen: 23.275 ug/l
 RT: 14.24 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VF062435.D
 Acq: 10 May 2019 23:02

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0510SBS02

Tot Ion:180 Resp: 120212
 Ion Ratio Lower Upper
 180 100
 182 96.8 49.0 147.0
 145 34.3 16.7 50.1

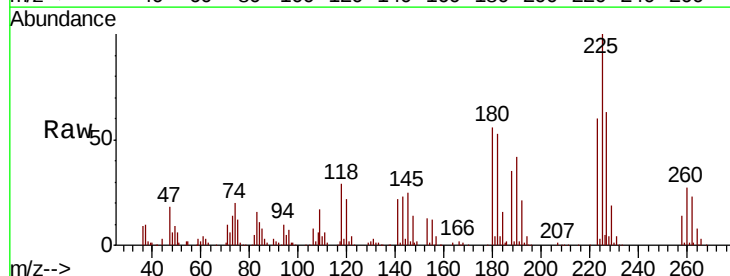


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

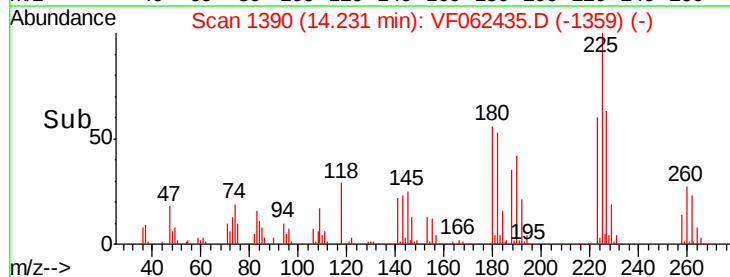
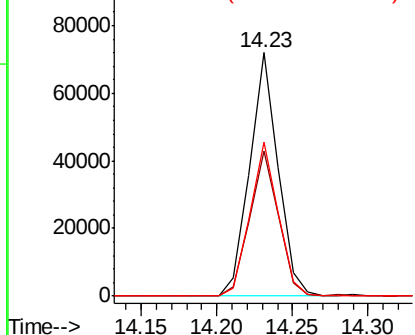


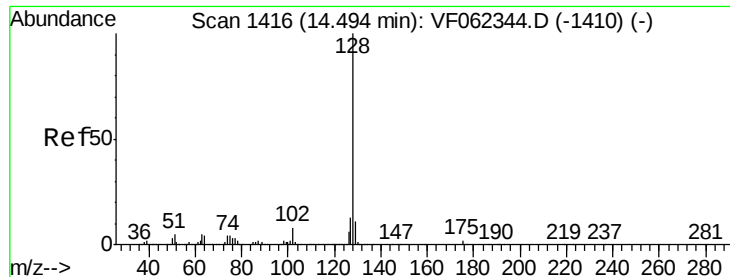
#94
 Hexachlorobutadiene
 Concen: 24.518 ug/l
 RT: 14.23 min Scan# 1390
 Delta R.T. 0.00 min
 Lab File: VF062435.D
 Acq: 10 May 2019 23:02

Tgt Ion:225 Resp: 94384
 Ion Ratio Lower Upper
 225 100
 223 60.5 31.9 95.5
 227 63.3 33.1 99.5



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 21.569 ug/l

RT: 14.50 min Scan# 1417

Delta R.T. 0.00 min

Lab File: VF062435.D

Acq: 10 May 2019 23:02

Instrument :

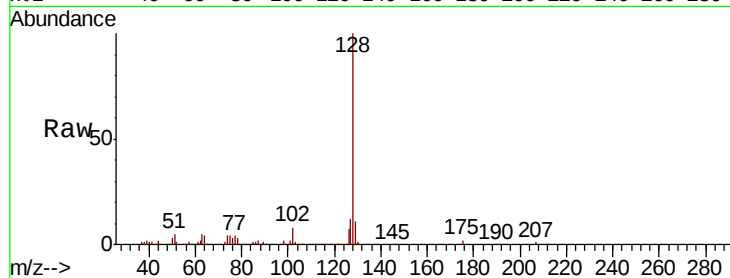
MSVOA_F

ClientSampleId :

VF0510SBS02

Tot Ion:128 Resp: 167479

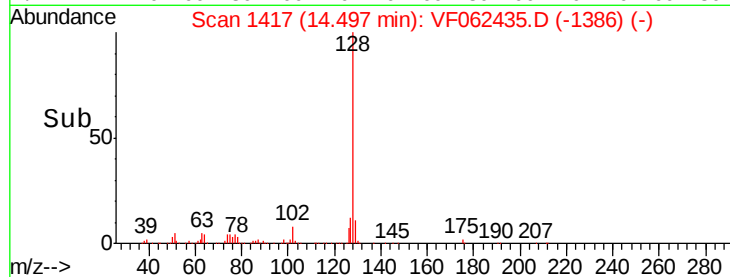
Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.5	15.7
129	10.8	8.6	12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 23.647 ug/l

RT: 14.64 min Scan# 1432

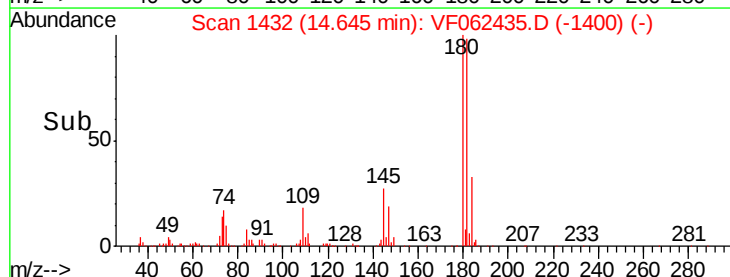
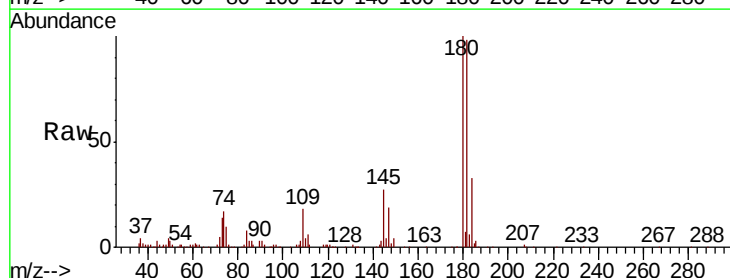
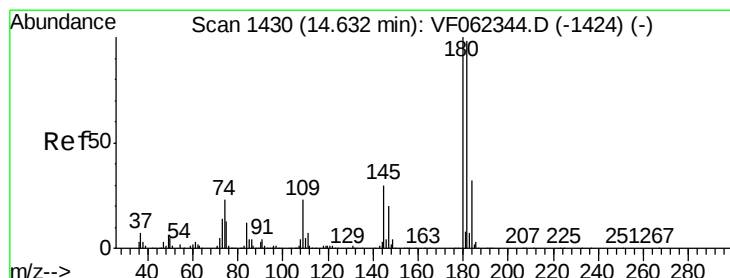
Delta R.T. 0.01 min

Lab File: VF062435.D

Acq: 10 May 2019 23:02

Tgt Ion:180 Resp: 118323

Ion	Ratio	Lower	Upper
180	100		
182	96.3	49.4	148.0
145	30.9	14.8	44.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

Time-->