

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051119\
 Data File : VF062476.D
 Acq On : 12 May 2019 00:07
 Operator : FY/SY
 Sample : VF0511SBS02
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: May 12 03:51:56 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	5.07	168	279155	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.78	114	377115	50.00	ug/l	0.01
63) Chlorobenzene-d5	9.92	117	323764	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.62	152	217501	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.05	65	121665	46.12	ug/l	0.02
Spiked Amount	50.000		Recovery	=	92.24%	
35) Dibromofluoromethane	4.32	113	144418	48.07	ug/l	0.01
Spiked Amount	50.000		Recovery	=	96.14%	
50) Toluene-d8	7.72	98	309380	42.54	ug/l	0.01
Spiked Amount	50.000		Recovery	=	85.08%	
62) 4-Bromofluorobenzene	11.50	95	147551	44.97	ug/l	0.01
Spiked Amount	50.000		Recovery	=	89.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.00	85	75936	23.504	ug/l	94
3) Chloromethane	1.14	50	47062	22.087	ug/l	100
4) Vinyl Chloride	1.19	62	46951	22.091	ug/l	91
5) Bromomethane	1.39	94	41283	24.460	ug/l	95
6) Chloroethane	1.44	64	27216	25.470	ug/l	90
7) Trichlorofluoromethane	1.56	101	115345	26.157	ug/l	97
8) Diethyl Ether	1.71	74	15133	22.680	ug/l	80
9) 1,1,2-Trichlorotrifluoroet	1.91	101	62840	24.961	ug/l	92
10) Methyl Iodide	1.98	142	107276	25.857	ug/l	98
11) Tert butyl alcohol	2.71	59	14516	97.358	ug/l #	89
12) 1,1-Dichloroethene	1.87	96	50565	23.626	ug/l	91
13) Acrolein	2.11	56	8870	82.061	ug/l	86
14) Allyl chloride	2.21	41	70811	37.454	ug/l	99
15) Acrylonitrile	3.09	53	30891	109.374	ug/l	95
16) Acetone	2.35	43	59450	111.398	ug/l #	92
17) Carbon Disulfide	1.92	76	104782	22.453	ug/l	99
18) Methyl Acetate	2.47	43	25728	24.860	ug/l #	92
19) Methyl tert-butyl Ether	2.55	73	104636	23.684	ug/l	100
20) Methylene Chloride	2.33	84	27934	14.467	ug/l	95
21) trans-1,2-Dichloroethene	2.43	96	47340	23.216	ug/l	93
22) Diisopropyl ether	2.95	45	137903	23.338	ug/l	98
23) Vinyl Acetate	3.35	43	298315	113.275	ug/l	96
24) 1,1-Dichloroethane	3.02	63	93469	26.173	ug/l	98
25) 2-Butanone	4.53	43	70764	105.544	ug/l #	92
26) 2,2-Dichloropropane	3.78	77	52644	26.397	ug/l	97
27) cis-1,2-Dichloroethene	3.66	96	62826	24.648	ug/l	98
28) Bromochloromethane	3.91	49	33476	20.669	ug/l	91
29) Tetrahydrofuran	4.28	42	33202	107.748	ug/l	98
30) Chloroform	4.06	83	123002	25.494	ug/l	93
31) Cyclohexane	3.89	56	65782	23.077	ug/l	96
32) 1,1,1-Trichloroethane	4.30	97	110805	26.796	ug/l	98
36) 1,1-Dichloropropene	4.48	75	79299	24.478	ug/l	97
37) Ethyl Acetate	4.31	43	29576	20.317	ug/l #	94
38) Carbon Tetrachloride	4.20	117	99269	28.339	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.65	83	72753	22.393	ug/l	95
40) Benzene	4.84	78	152967	21.443	ug/l	96
41) Methacrylonitrile	4.95	41	14453	18.606	ug/l	98
42) 1,2-Dichloroethane	5.14	62	73233	24.545	ug/l	97
43) Isopropyl Acetate	7.13	43	30555	20.736	ug/l #	97
44) Trichloroethene	5.70	130	65199	24.880	ug/l	99
45) 1,2-Dichloropropane	6.42	63	37069	22.942	ug/l	93
46) Dibromomethane	6.28	93	29564	22.068	ug/l	97
47) Bromodichloromethane	6.56	83	77868	23.248	ug/l	98
48) Methyl methacrylate	6.89	41	19652	18.872	ug/l	92
49) 1,4-Dioxane	6.88	88	3620	329.246	ug/l #	69
51) 4-Methyl-2-Pentanone	8.42	43	114928	102.932	ug/l	99
52) Toluene	7.79	92	99836	22.686	ug/l	100
53) t-1,3-Dichloropropene	8.44	75	55101	21.751	ug/l	99
54) cis-1,3-Dichloropropene	7.47	75	63598	21.571	ug/l #	93
55) 1,1,2-Trichloroethane	8.65	97	28736	20.569	ug/l #	88
56) Ethyl methacrylate	8.77	69	29534	20.027	ug/l	94
57) 1,3-Dichloropropane	9.01	76	47049	22.295	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.46	63	42042	94.824	ug/l	96
59) 2-Hexanone	9.63	43	76037	98.468	ug/l	95
60) Dibromochloromethane	8.86	129	53465	23.399	ug/l	98
61) 1,2-Dibromoethane	9.14	107	36273	22.091	ug/l	97
64) Tetrachloroethene	8.32	164	67780	25.787	ug/l	91
65) Chlorobenzene	9.94	112	125515	23.431	ug/l	93
66) 1,1,1,2-Tetrachloroethane	10.07	131	64161	23.742	ug/l	97
67) Ethyl Benzene	10.04	91	220174	23.472	ug/l	99
68) m/p-Xylenes	10.27	106	158315	45.742	ug/l	91
69) o-Xylene	10.82	106	83211	22.250	ug/l	93
70) Styrene	10.90	104	130614	23.303	ug/l	99
71) Bromoform	10.88	173	31014	20.948	ug/l #	98
73) Isopropylbenzene	11.22	105	272327	21.120	ug/l	99
74) N-amyl acetate	11.45	43	52332	18.904	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.78	83	41421	20.516	ug/l	95
76) 1,2,3-Trichloropropane	11.88	75	33234	21.576	ug/l #	100
77) Bromobenzene	11.59	156	75478	22.304	ug/l	97
78) n-propylbenzene	11.68	91	293316	21.366	ug/l	100
79) 2-Chlorotoluene	11.80	91	181572	21.271	ug/l	99
80) 1,3,5-Trimethylbenzene	11.90	105	252738	22.363	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.95	75	14381	24.838	ug/l #	82
82) 4-Chlorotoluene	11.98	91	182961	21.701	ug/l	99
83) tert-Butylbenzene	12.20	119	256172	21.568	ug/l	100
84) 1,2,4-Trimethylbenzene	12.27	105	242816	21.954	ug/l	99
85) sec-Butylbenzene	12.37	105	322868	22.333	ug/l	99
86) p-Isopropyltoluene	12.53	119	303069	22.563	ug/l	100
87) 1,3-Dichlorobenzene	12.54	146	139475	22.567	ug/l	99
88) 1,4-Dichlorobenzene	12.63	146	132383	22.193	ug/l	98
89) n-Butylbenzene	12.90	91	273550	22.891	ug/l	96
90) Hexachloroethane	12.98	117	71901	21.439	ug/l	94
91) 1,2-Dichlorobenzene	13.00	146	133535	22.322	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.69	75	9296	20.553	ug/l	86

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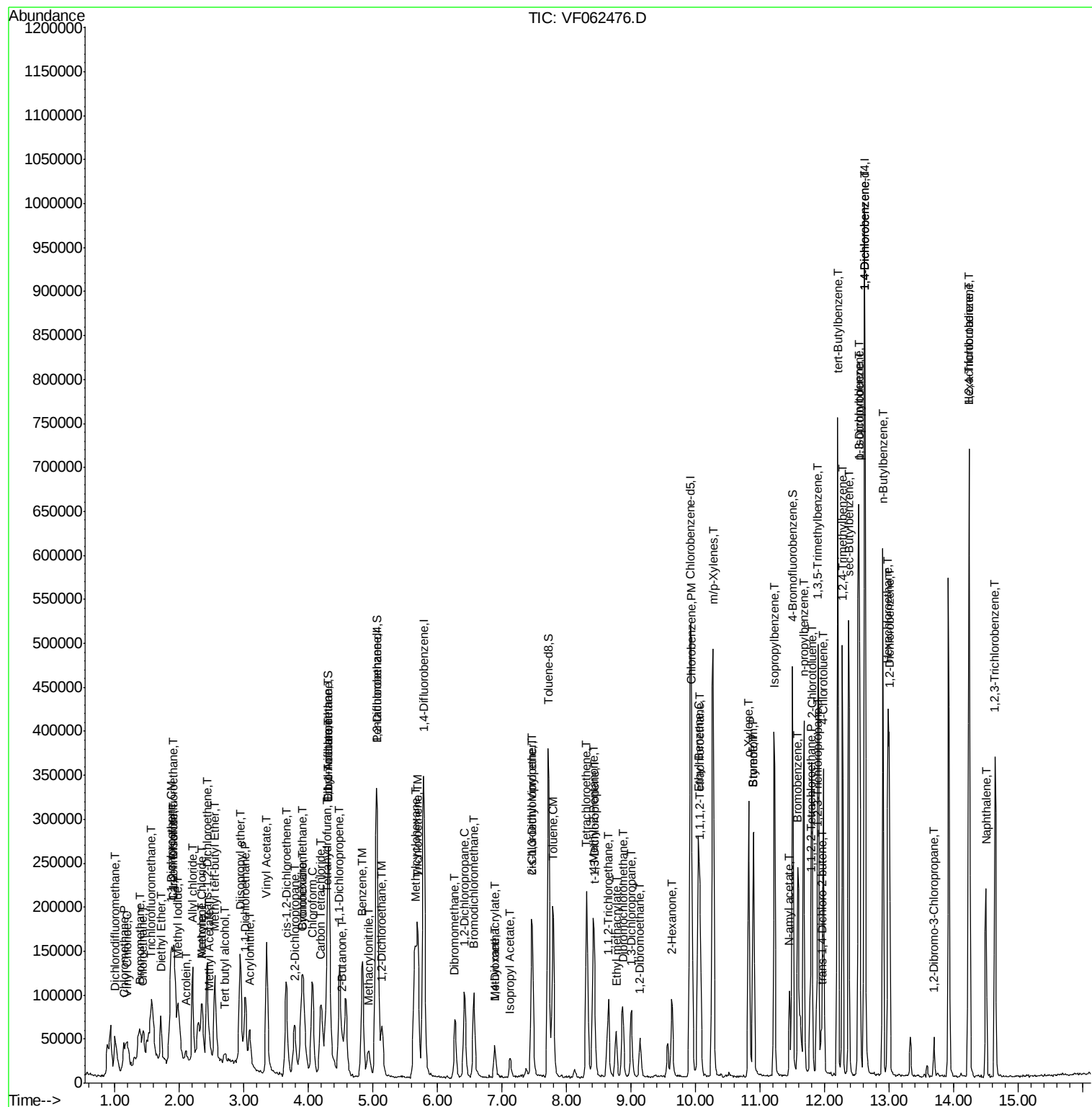
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	119115	22.199	ug/l	98
94) Hexachlorobutadiene	14.23	225	88780	22.199	ug/l	98
95) Naphthalene	14.50	128	156423	19.391	ug/l	98
96) 1,2,3-Trichlorobenzene	14.64	180	114635	22.052	ug/l	98

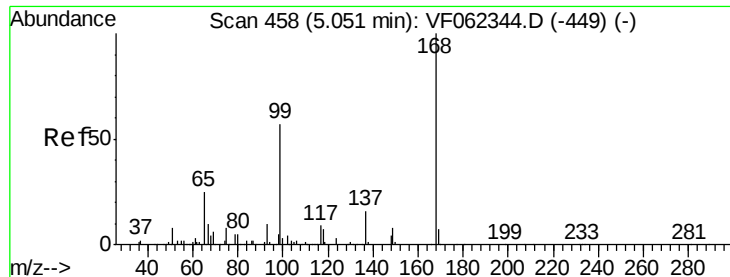
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF051119\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.07 min Scan# 460

Delta R.T. 0.01 min

Lab File: VF062476.D

Acq: 12 May 2019 00:07

Instrument :

MSVOA_F

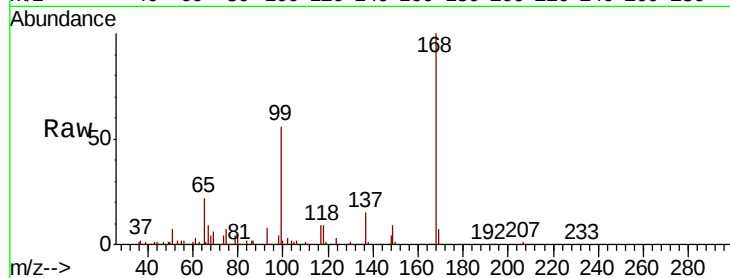
ClientSampled :

Tot Ion:168 Resp: 279155

Ion Ratio Lower Upper

168 100

99 55.9 45.9 68.9



Abundance Ion 167.90 (167.60 to 168.60): VF0

Ion 98.90 (98.60 to 99.60): VF0

5.07

100000

80000

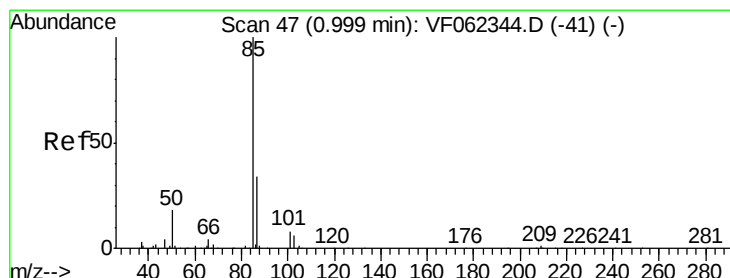
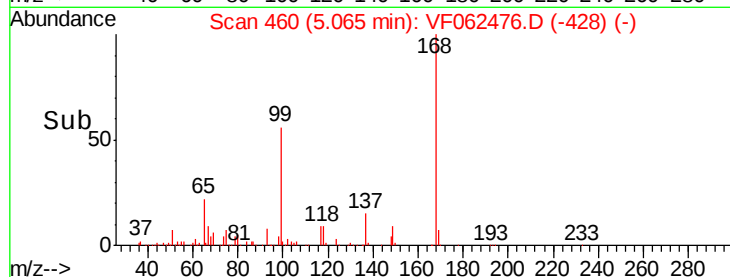
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 23.504 ug/l

RT: 1.00 min Scan# 48

Delta R.T. 0.00 min

Lab File: VF062476.D

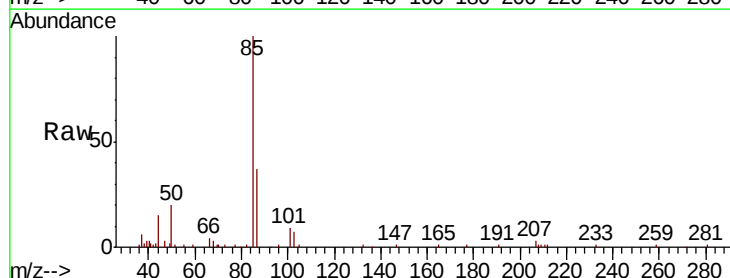
Acq: 12 May 2019 00:07

Tgt Ion: 85 Resp: 75936

Ion Ratio Lower Upper

85 100

87 36.9 16.8 50.4



Abundance Ion 84.90 (84.60 to 85.60): VF0

Ion 86.90 (86.60 to 87.60): VF0

1.00

25000

20000

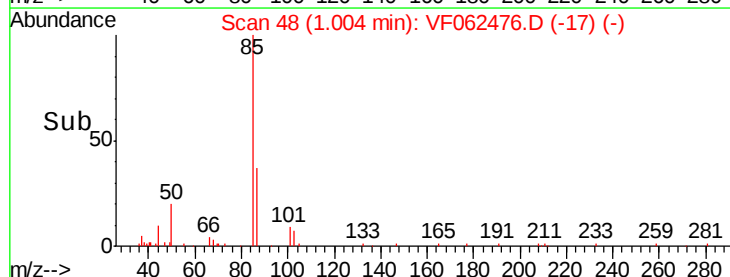
15000

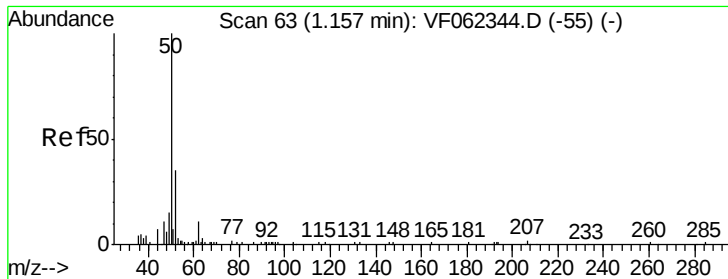
10000

5000

0

Time-->





#3

Chloromethane

Concen: 22.087 ug/l

RT: 1.14 min Scan# 62

Delta R.T. -0.01 min

Lab File: VF062476.D

Acq: 12 May 2019 00:07

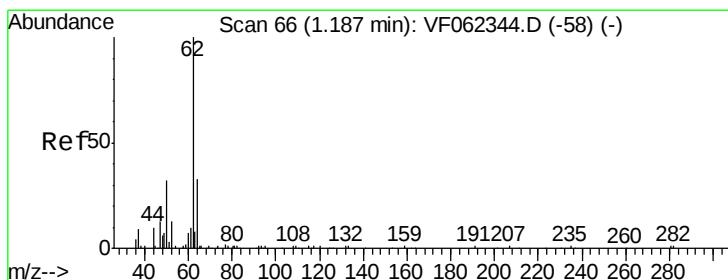
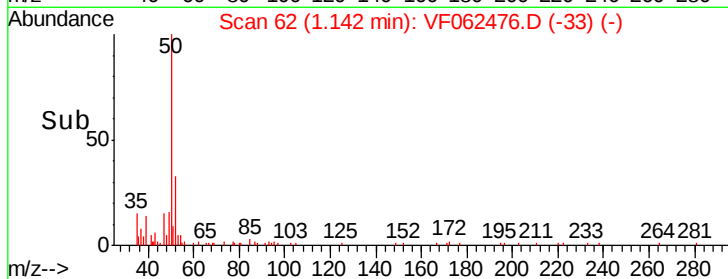
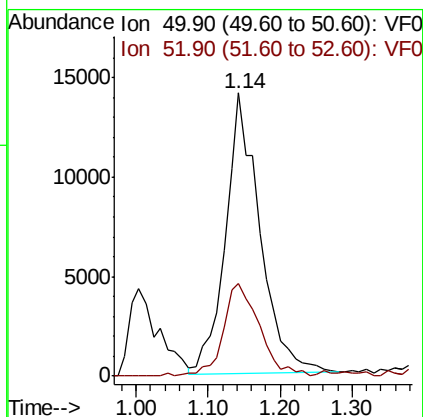
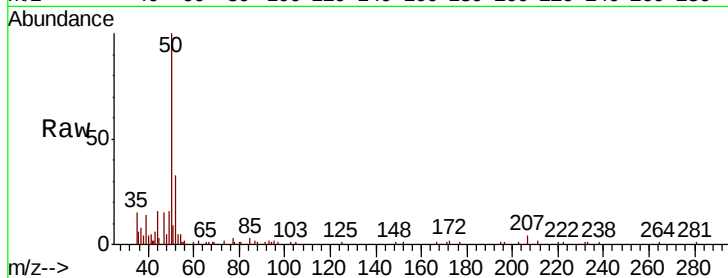
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 50 Resp: 47062

Ion Ratio Lower Upper

50 100

52 32.4 26.1 39.1



#4

Vinyl Chloride

Concen: 22.091 ug/l

RT: 1.19 min Scan# 67

Delta R.T. 0.00 min

Lab File: VF062476.D

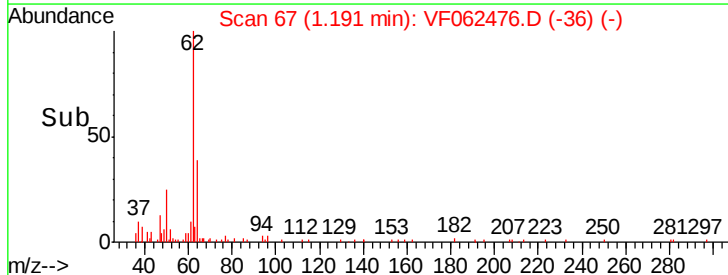
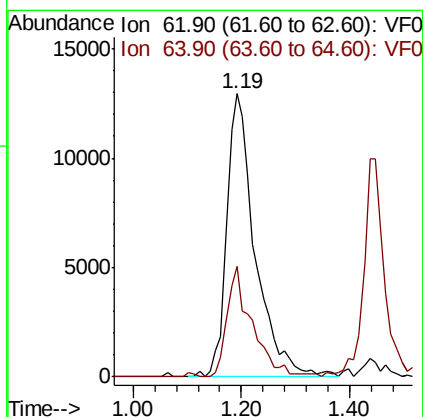
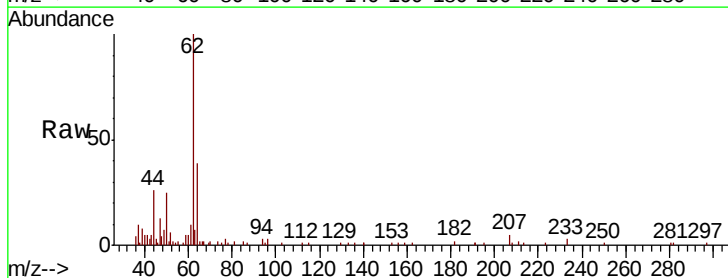
Acq: 12 May 2019 00:07

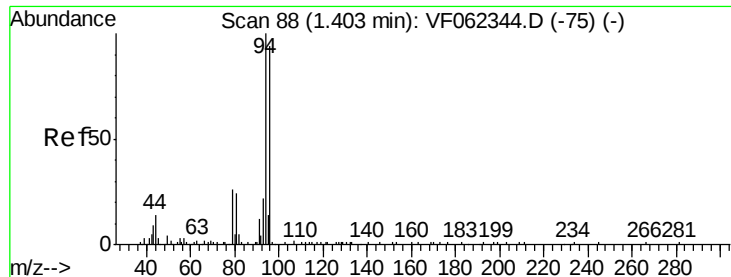
Tgt Ion: 62 Resp: 46951

Ion Ratio Lower Upper

62 100

64 37.6 26.1 39.1





#5

Bromomethane

Concen: 24.460 ug/l

RT: 1.39 min Scan# 87

Delta R.T. -0.01 min

Lab File: VF062476.D

Acq: 12 May 2019 00:07

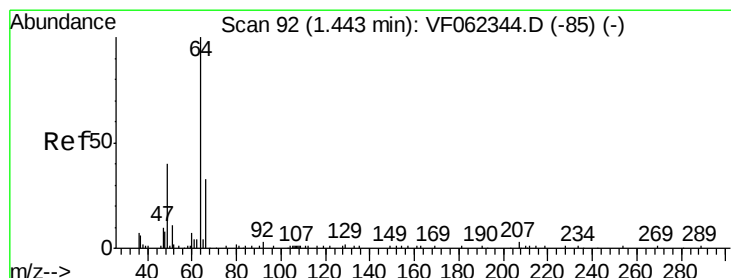
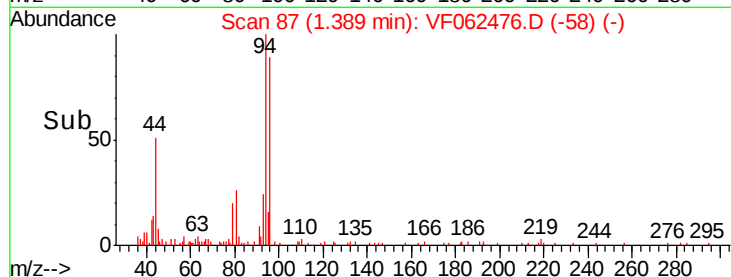
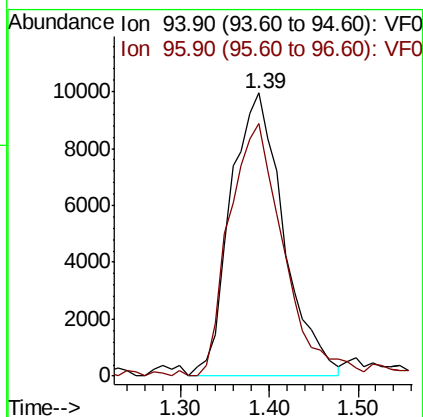
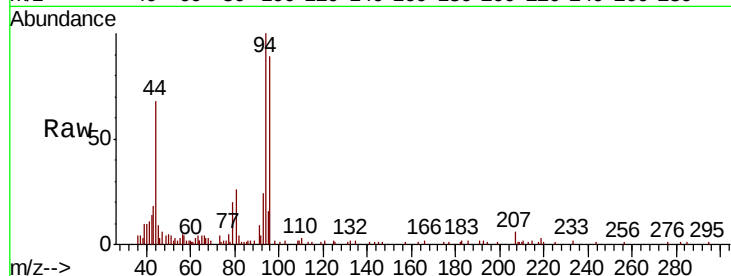
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 94 Resp: 41283

Ion Ratio Lower Upper

94 100

96 89.1 75.4 113.2



#6

Chloroethane

Concen: 25.470 ug/l

RT: 1.44 min Scan# 92

Delta R.T. -0.00 min

Lab File: VF062476.D

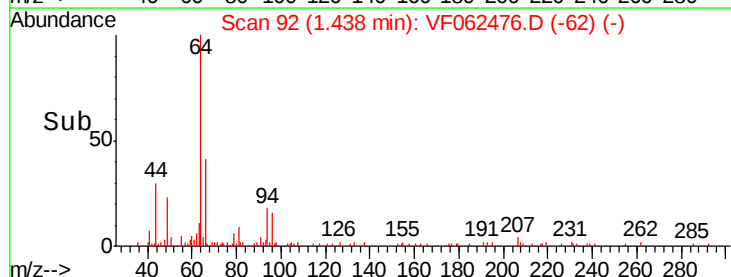
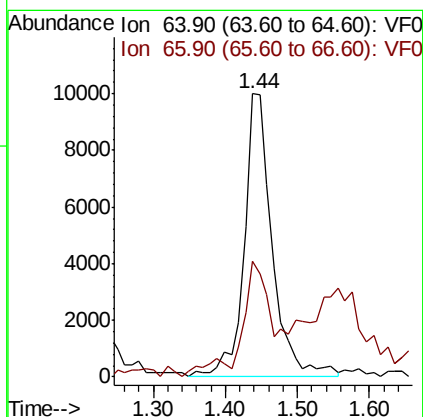
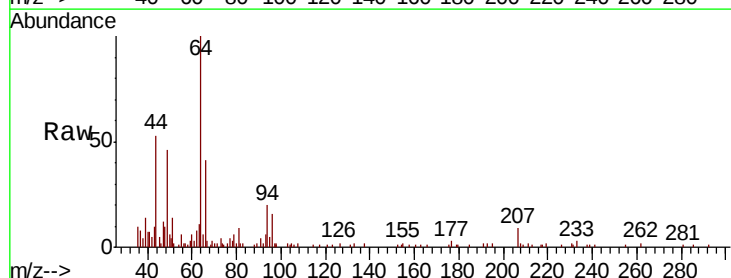
Acq: 12 May 2019 00:07

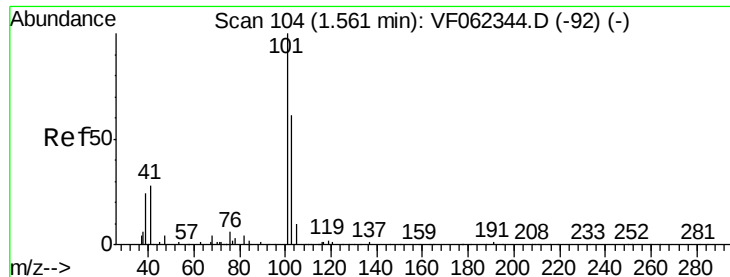
Tgt Ion: 64 Resp: 27216

Ion Ratio Lower Upper

64 100

66 38.8 26.6 39.8



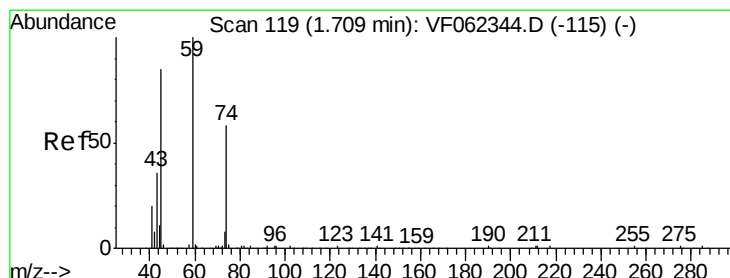
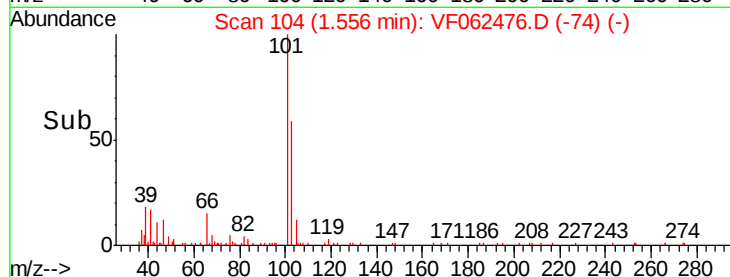
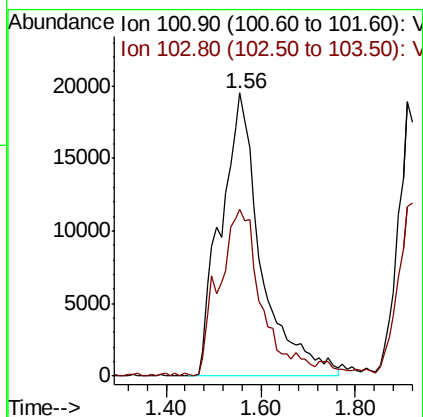
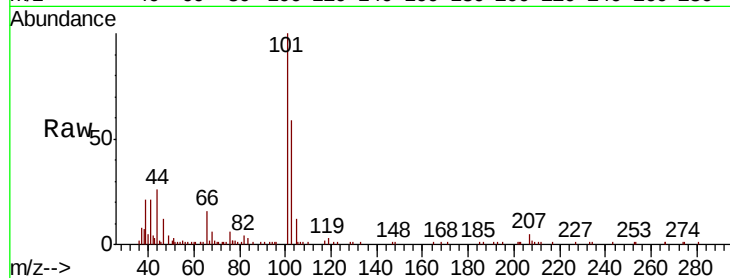


#7

Trichlorofluoromethane
Concen: 26.157 ug/l
RT: 1.56 min Scan# 104
Delta R.T. -0.00 min
Lab File: VF062476.D
Acq: 12 May 2019 00:07

Instrument :
MSVOA_F
ClientSampleId :

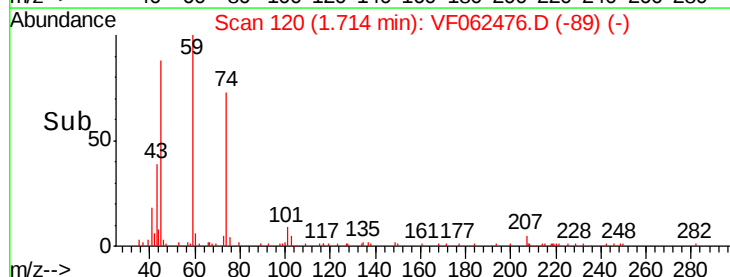
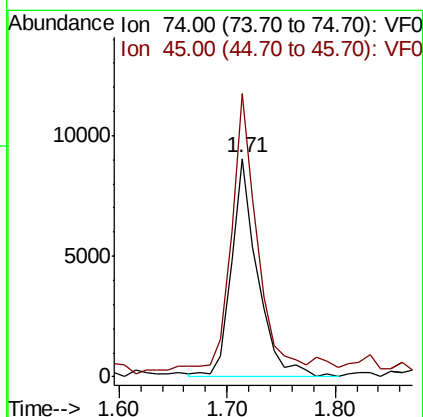
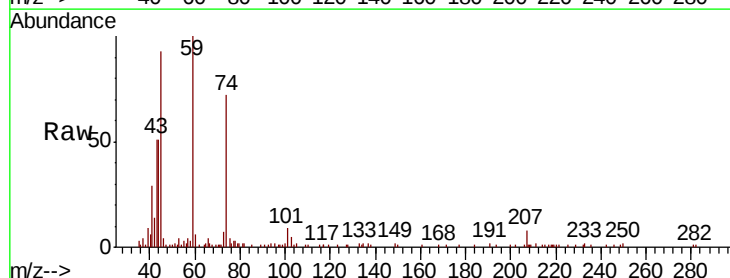
Tot Ion:101 Resp: 115345
Ion Ratio Lower Upper
101 100
103 58.1 48.5 72.7



#8

Diethyl Ether
Concen: 22.680 ug/l
RT: 1.71 min Scan# 120
Delta R.T. 0.00 min
Lab File: VF062476.D
Acq: 12 May 2019 00:07

Tgt Ion: 74 Resp: 15133
Ion Ratio Lower Upper
74 100
45 122.2 73.9 221.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 24.961 ug/l

RT: 1.91 min Scan# 140

Delta R.T. -0.00 min

Lab File: VF062476.D

Acq: 12 May 2019 00:07

Instrument :

MSVOA_F

ClientSampleId :

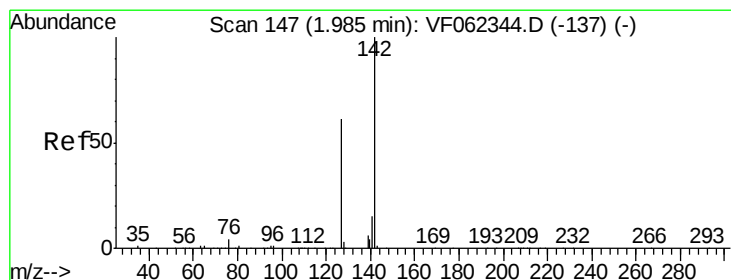
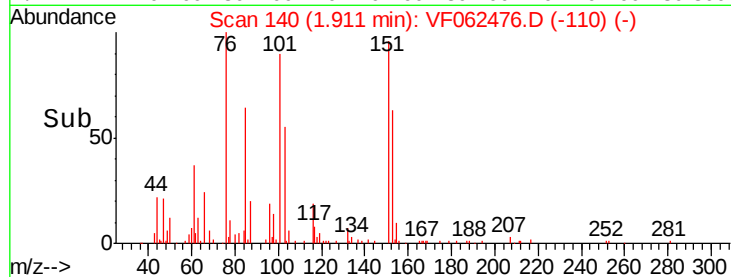
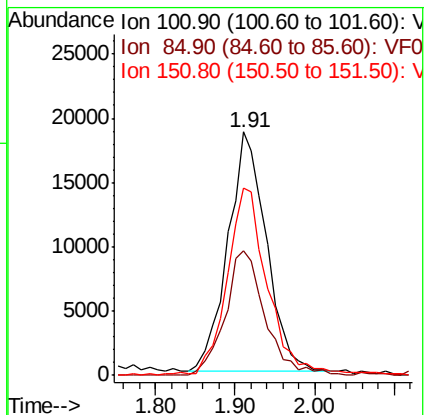
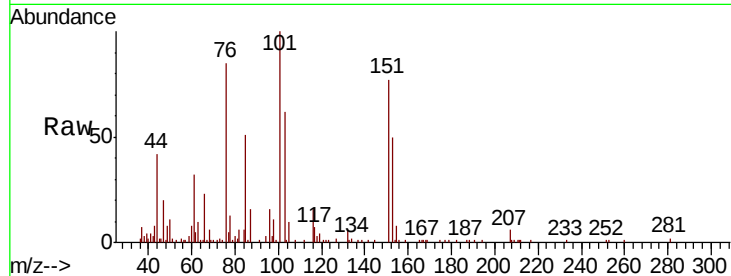
Tot Ion:101 Resp: 62840

Ion Ratio Lower Upper

101 100

85 53.7 39.5 59.3

151 83.2 59.9 89.9



#10

Methyl Iodide

Concen: 25.857 ug/l

RT: 1.98 min Scan# 147

Delta R.T. -0.00 min

Lab File: VF062476.D

Acq: 12 May 2019 00:07

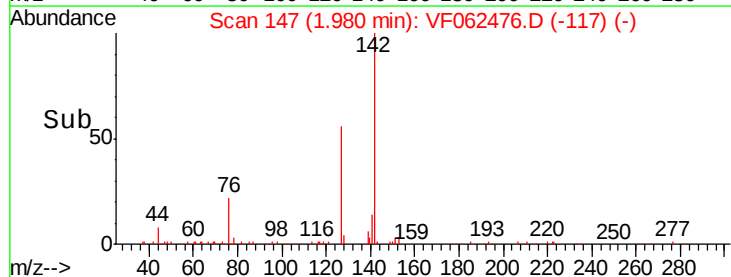
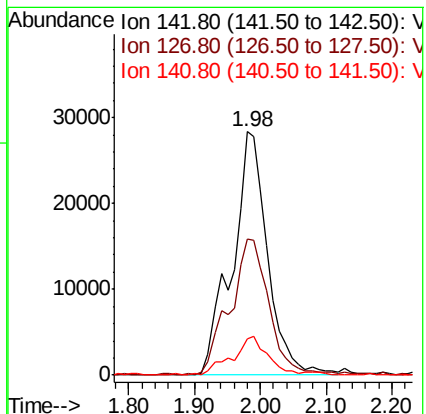
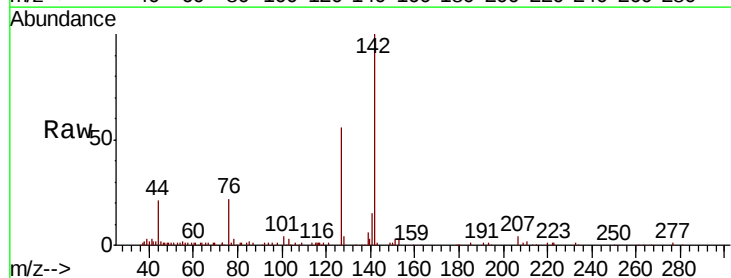
Tgt Ion:142 Resp: 107276

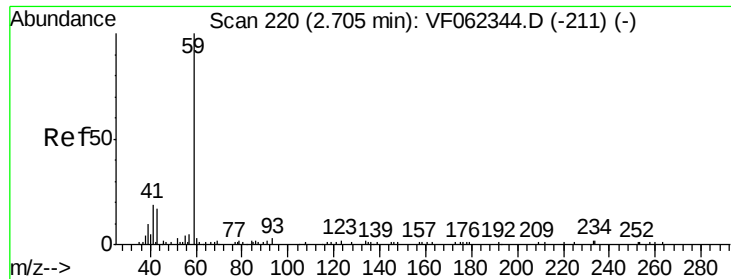
Ion Ratio Lower Upper

142 100

127 61.6 48.4 72.6

141 16.3 12.2 18.4

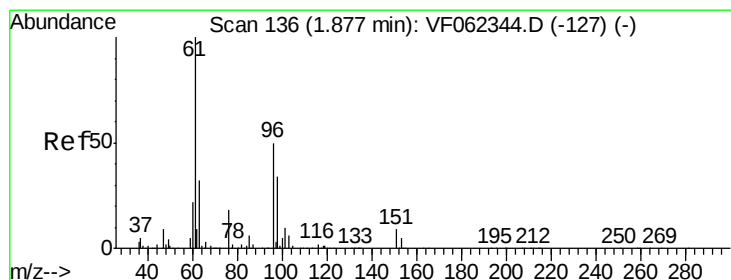
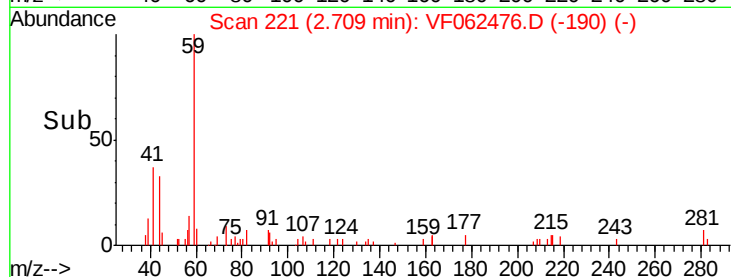
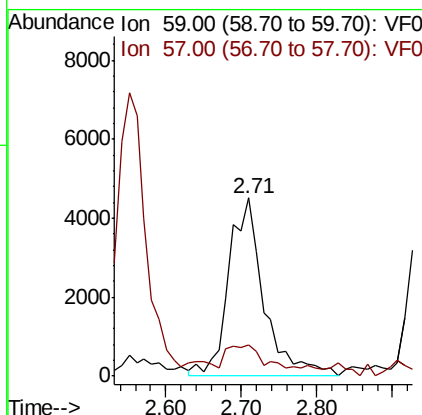
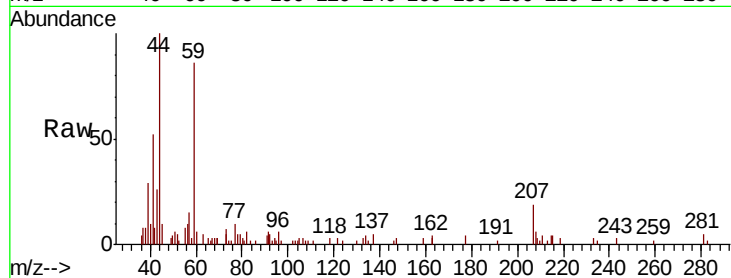




#11
Tert butyl alcohol
Concen: 97.358 ug/l
RT: 2.71 min Scan# 221
Delta R.T. 0.00 min
Lab File: VF062476.D
Acq: 12 May 2019 00:07

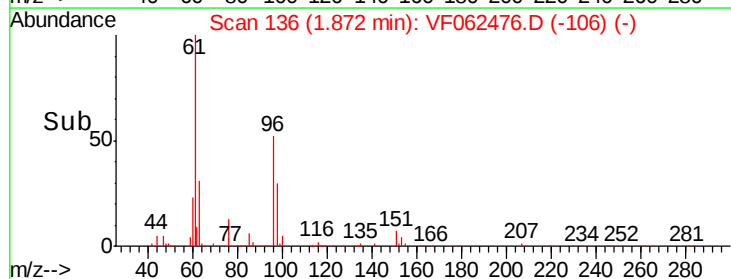
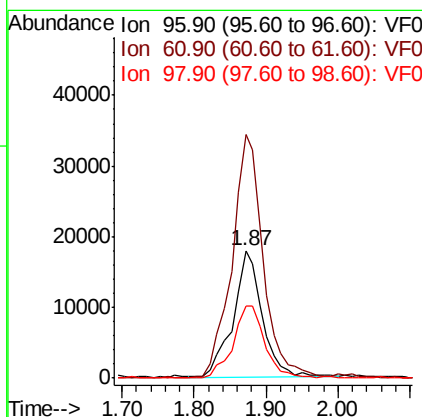
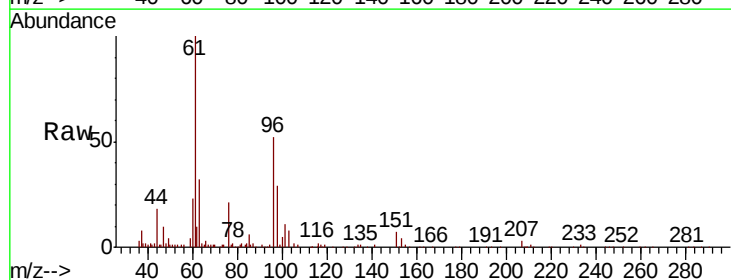
Instrument :
MSVOA_F
ClientSampled :

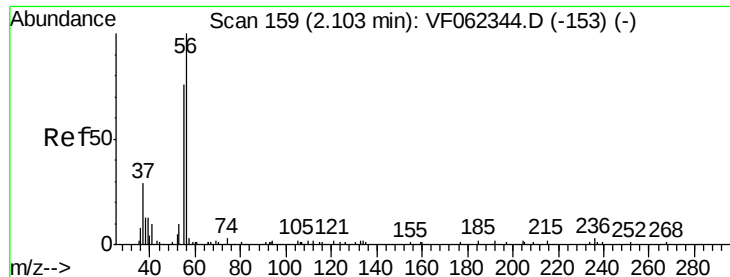
Tot Ion: 59 Resp: 14516
Ion Ratio Lower Upper
59 100
57 15.8 9.3 13.9#



#12
1,1-Dichloroethene
Concen: 23.626 ug/l
RT: 1.87 min Scan# 136
Delta R.T. -0.00 min
Lab File: VF062476.D
Acq: 12 May 2019 00:07

Tgt Ion: 96 Resp: 50565
Ion Ratio Lower Upper
96 100
61 193.2 163.2 244.8
98 56.8 55.2 82.8





#13

Acrolein

Concen: 82.061 ug/l

RT: 2.11 min Scan# 160

Delta R.T. 0.01 min

Lab File: VF062476.D

Acq: 12 May 2019 00:07

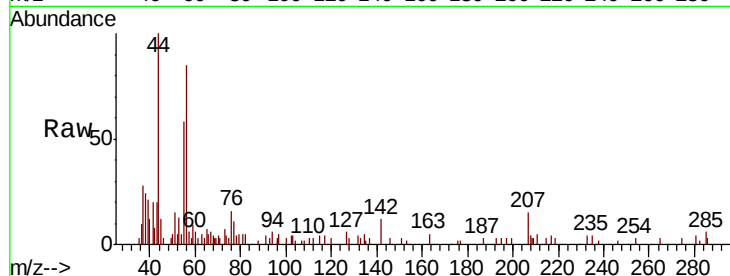
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 56 Resp: 8870

Ion Ratio Lower Upper

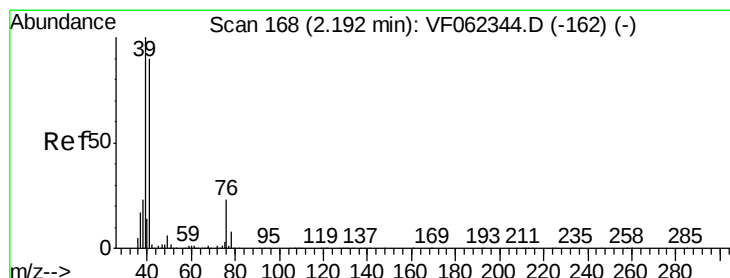
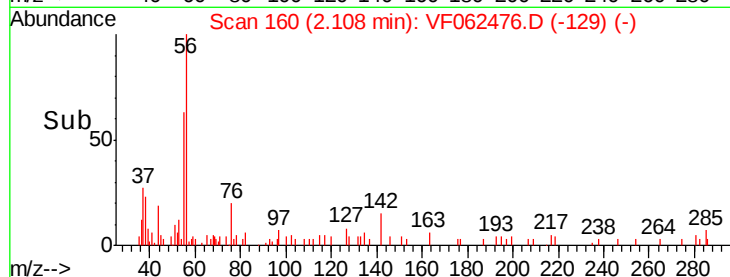
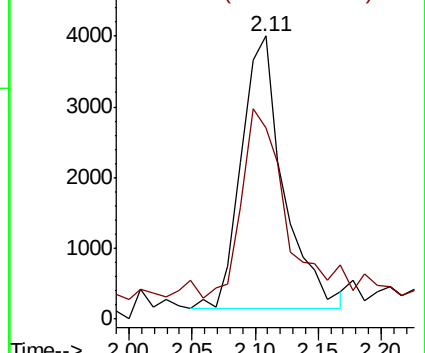
56 100

55 85.1 58.4 87.6



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#14

Allyl chloride

Concen: 37.454 ug/l

RT: 2.21 min Scan# 170

Delta R.T. 0.01 min

Lab File: VF062476.D

Acq: 12 May 2019 00:07

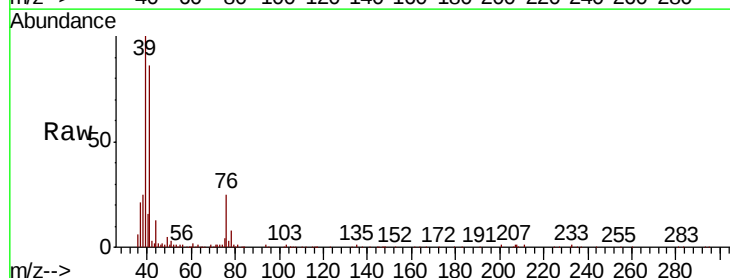
Tgt Ion: 41 Resp: 70811

Ion Ratio Lower Upper

41 100

39 113.2 90.8 136.2

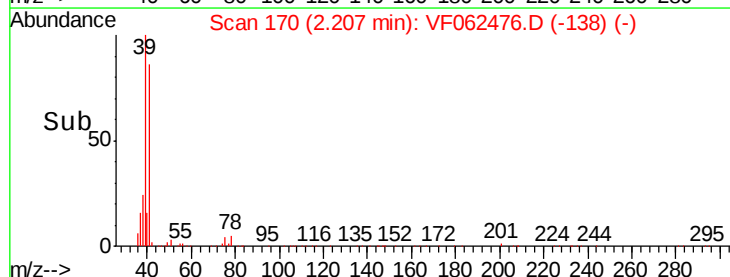
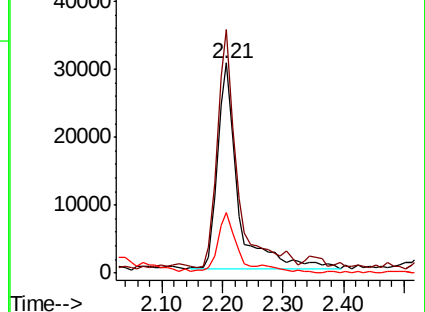
76 25.1 22.2 33.4

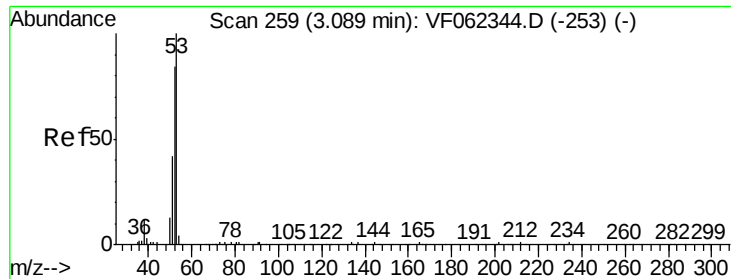


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 75.90 (75.60 to 76.60): VF0





#15

Acrylonitrile

Concen: 109.374 ug/l

RT: 3.09 min Scan# 260

Delta R.T. 0.00 min

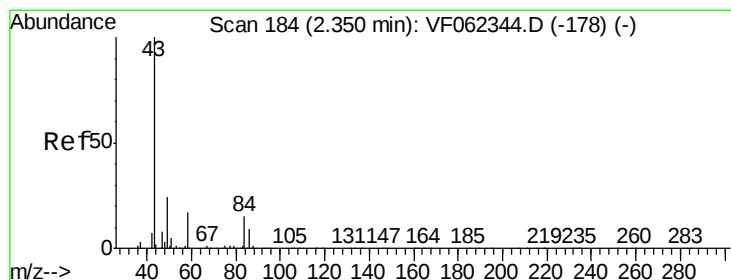
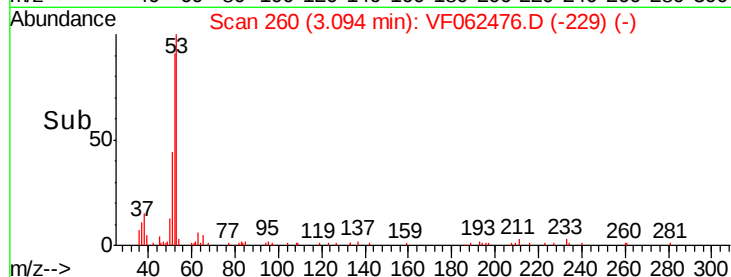
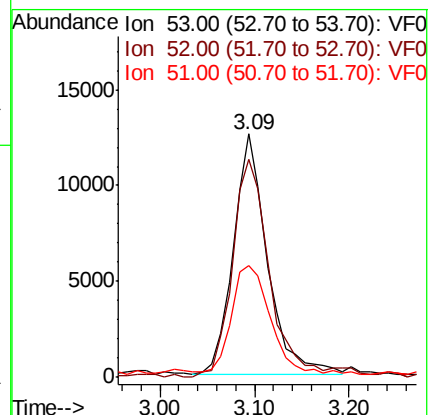
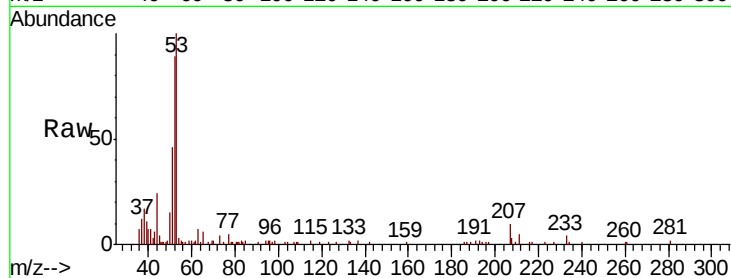
Lab File: VF062476.D

Acq: 12 May 2019 00:07

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 53 Resp: 30891

Ion	Ratio	Lower	Upper
53	100		
52	98.7	77.2	115.8
51	58.5	40.6	61.0



#16

Acetone

Concen: 111.398 ug/l

RT: 2.35 min Scan# 185

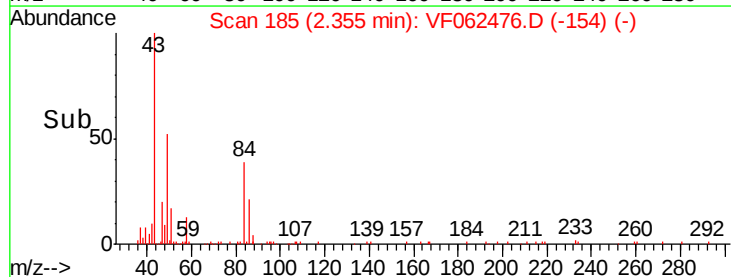
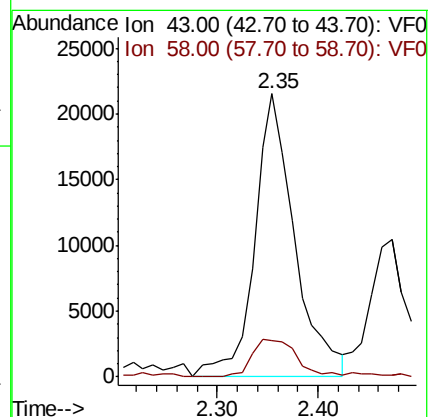
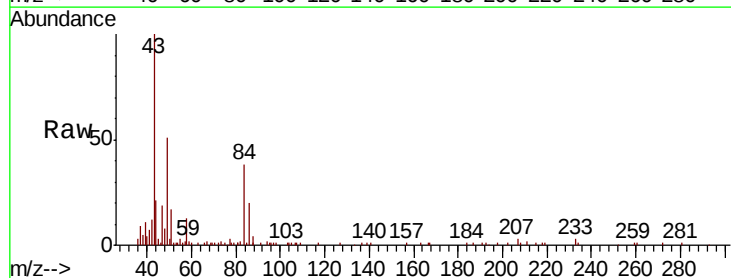
Delta R.T. 0.00 min

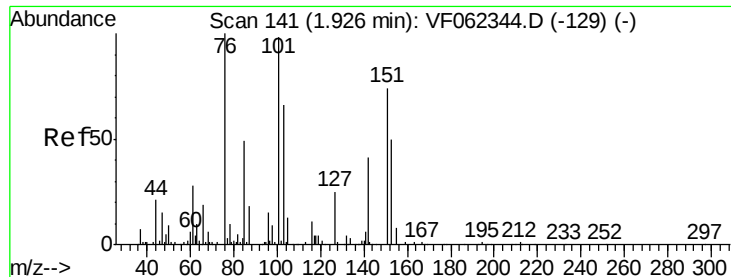
Lab File: VF062476.D

Acq: 12 May 2019 00:07

Tgt Ion: 43 Resp: 59450

Ion	Ratio	Lower	Upper
43	100		
58	12.9	13.1	19.7#





#17

Carbon Disulfide

Concen: 22.453 ug/l

RT: 1.92 min Scan# 141

Delta R.T. -0.01 min

Lab File: VF062476.D

Acq: 12 May 2019 00:07

Instrument :

MSVOA_F

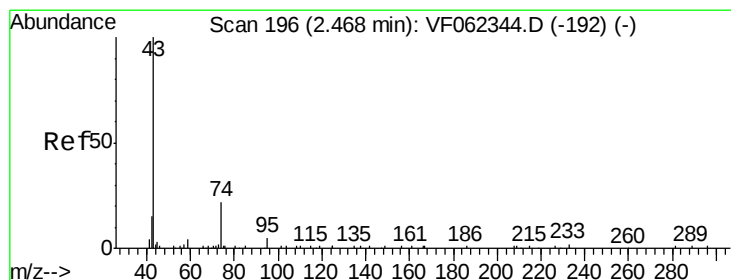
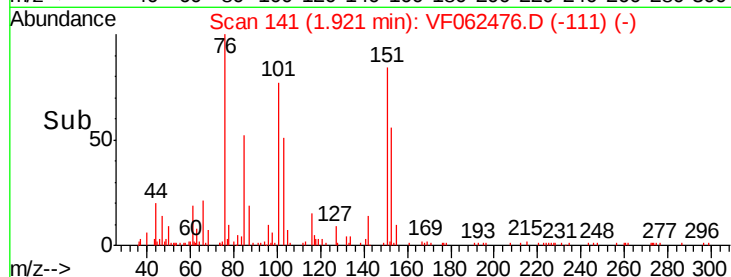
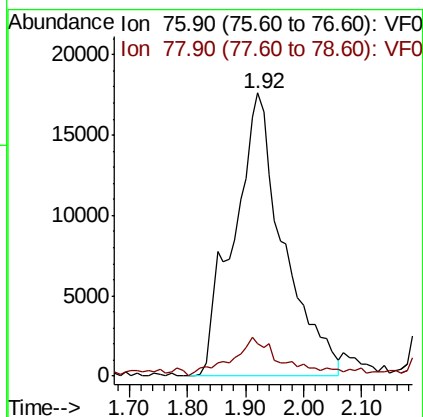
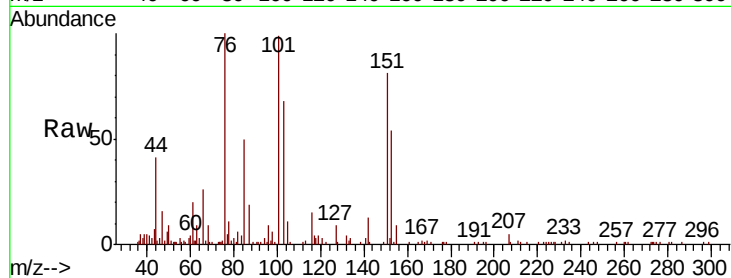
ClientSampleId :

Tot Ion: 76 Resp: 104782

Ion Ratio Lower Upper

76 100

78 11.4 9.0 13.4



#18

Methyl Acetate

Concen: 24.860 ug/l

RT: 2.47 min Scan# 197

Delta R.T. 0.00 min

Lab File: VF062476.D

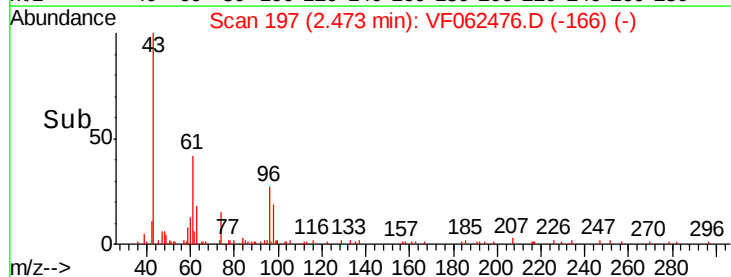
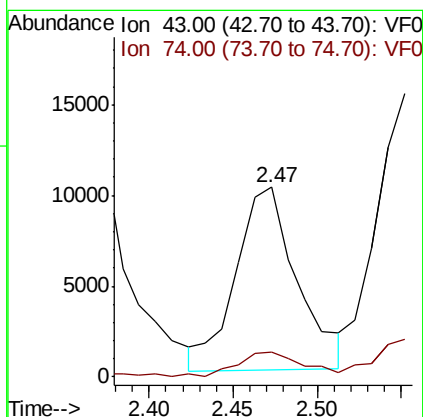
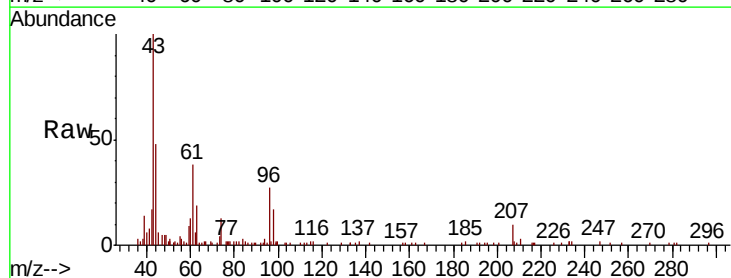
Acq: 12 May 2019 00:07

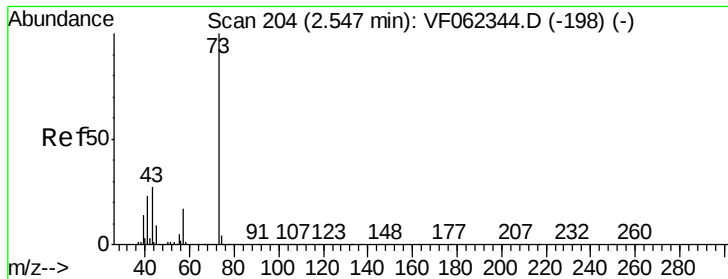
Tgt Ion: 43 Resp: 25728

Ion Ratio Lower Upper

43 100

74 14.9 15.0 22.4#

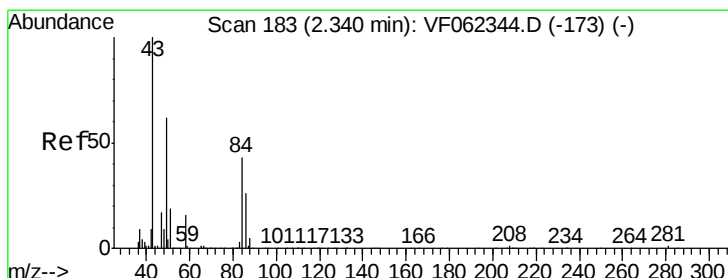
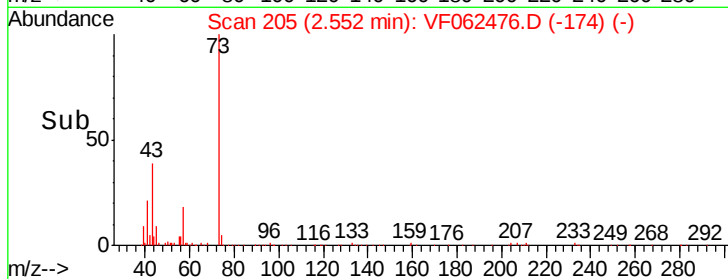
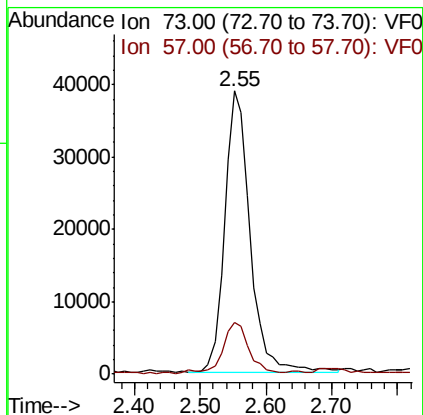
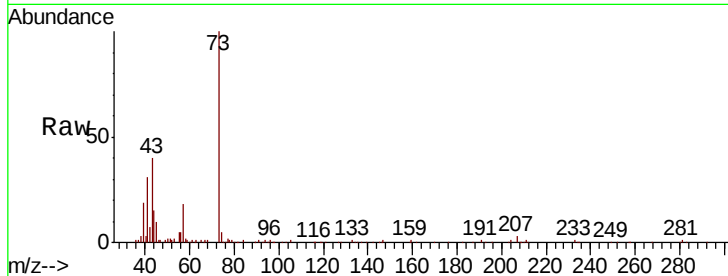




#19
Methvl tert-butvl Ether
Concen: 23.684 ug/l
RT: 2.55 min Scan# 205
Delta R.T. 0.00 min
Lab File: VF062476.D
Acq: 12 May 2019 00:07

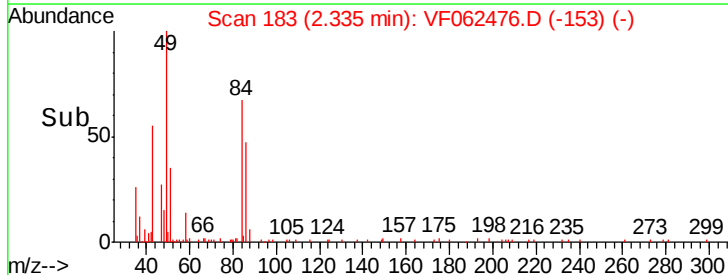
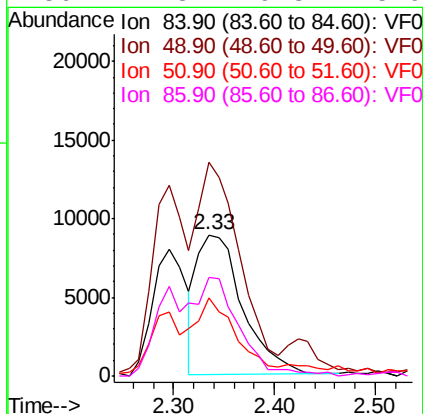
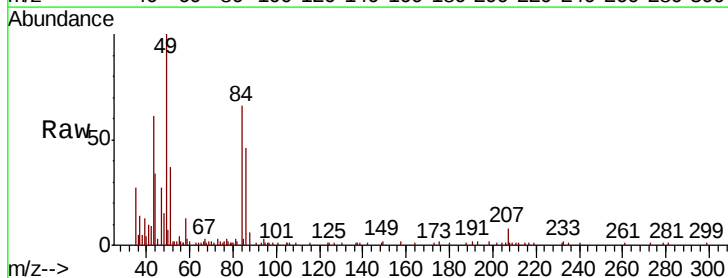
Instrument :
MSVOA_F
ClientSampleId :

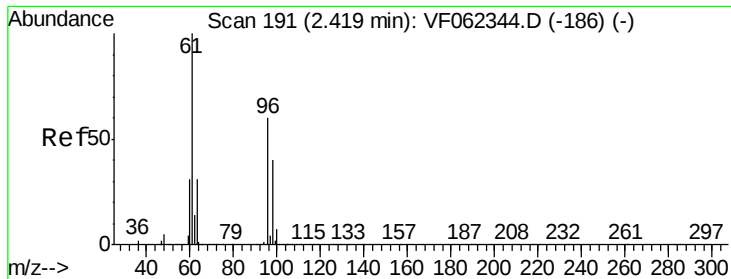
Tot Ion: 73 Resp: 104636
Ion Ratio Lower Upper
73 100
57 17.1 13.7 20.5



#20
Methylene Chloride
Concen: 14.467 ug/l
RT: 2.33 min Scan# 183
Delta R.T. -0.01 min
Lab File: VF062476.D
Acq: 12 May 2019 00:07

Tgt Ion: 84 Resp: 27934
Ion Ratio Lower Upper
84 100
49 149.2 117.5 176.3
51 48.8 37.0 55.4
86 71.3 49.3 73.9





#21

trans-1,2-Dichloroethene

Concen: 23.216 ug/l

RT: 2.43 min Scan# 193

Delta R.T. 0.01 min

Lab File: VF062476.D

Acq: 12 May 2019 00:07

Instrument :
MSVOA_F
ClientSampleId :

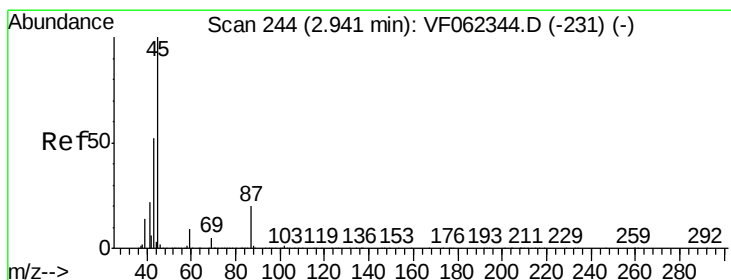
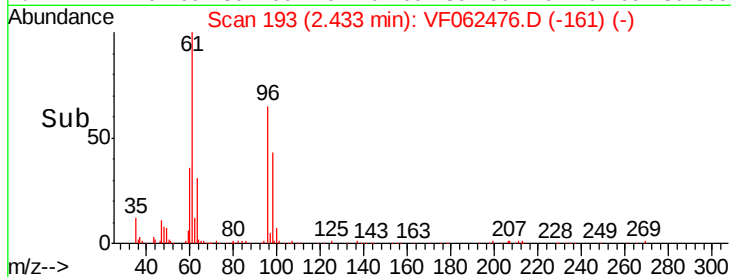
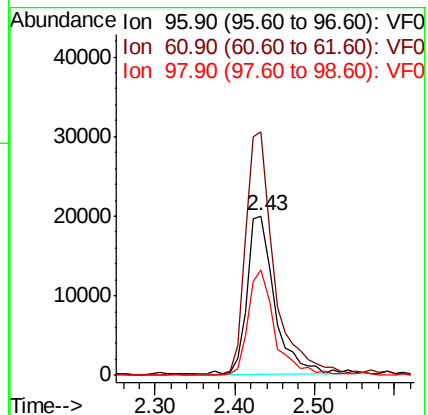
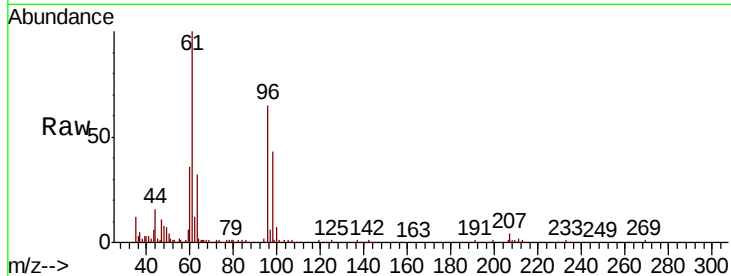
Tot Ion: 96 Resp: 47340

Ion Ratio Lower Upper

96 100

61 153.5 133.2 199.8

98 66.4 53.1 79.7



#22

Diisopropyl ether

Concen: 23.338 ug/l

RT: 2.95 min Scan# 245

Delta R.T. 0.00 min

Lab File: VF062476.D

Acq: 12 May 2019 00:07

Tgt Ion: 45 Resp: 137903

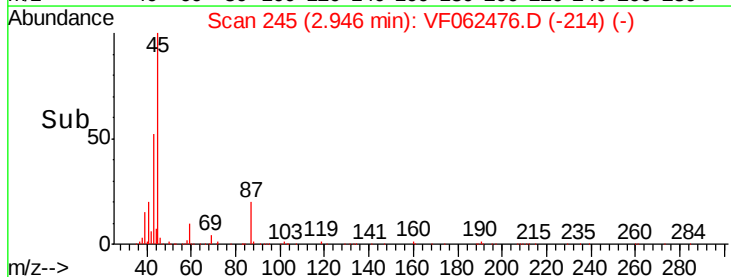
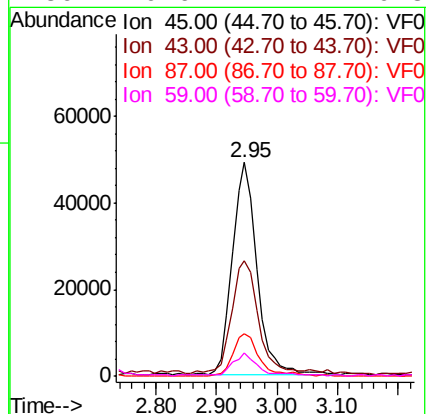
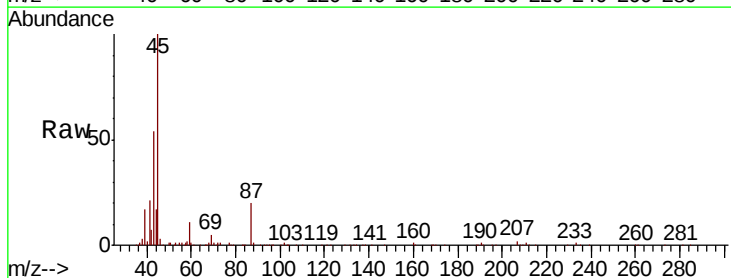
Ion Ratio Lower Upper

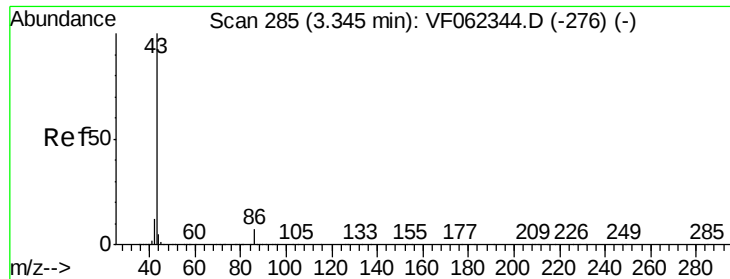
45 100

43 52.8 41.4 62.0

87 20.1 15.8 23.6

59 10.6 7.2 10.8





#23

Vinyl Acetate

Concen: 113.275 ug/l

RT: 3.35 min Scan# 286

Delta R.T. 0.00 min

Lab File: VF062476.D

Acq: 12 May 2019 00:07

Instrument :

MSVOA_F

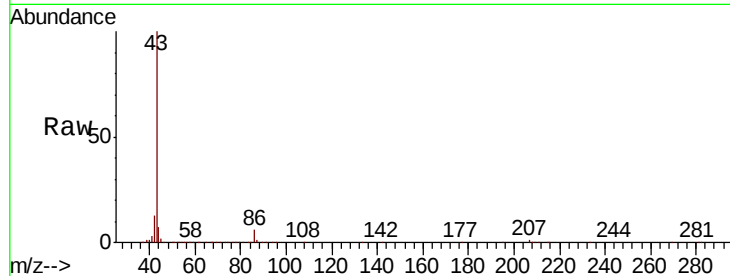
ClientSampled :

Tot Ion: 43 Resp: 298315

Ion Ratio Lower Upper

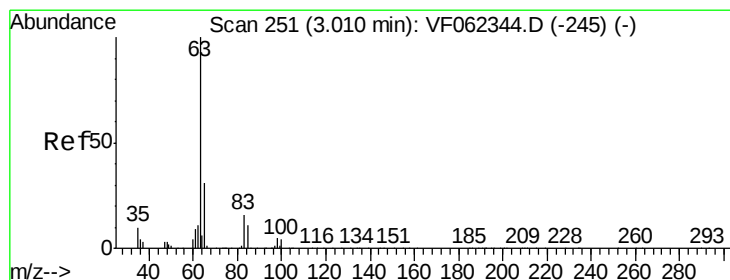
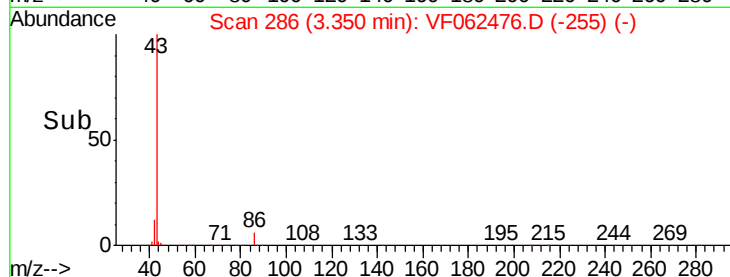
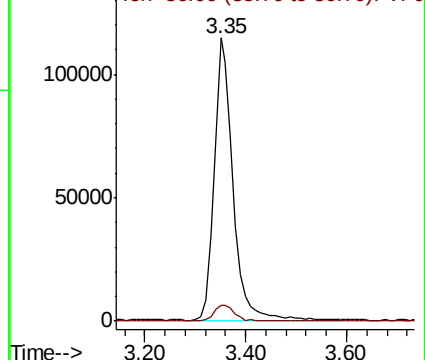
43 100

86 5.8 5.7 8.5



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 26.173 ug/l

RT: 3.02 min Scan# 253

Delta R.T. 0.01 min

Lab File: VF062476.D

Acq: 12 May 2019 00:07

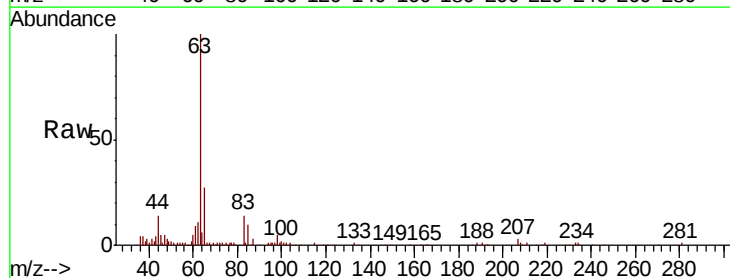
Tgt Ion: 63 Resp: 93469

Ion Ratio Lower Upper

63 100

98 4.8 2.6 8.0

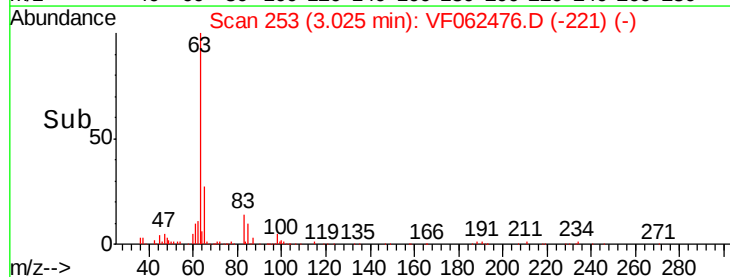
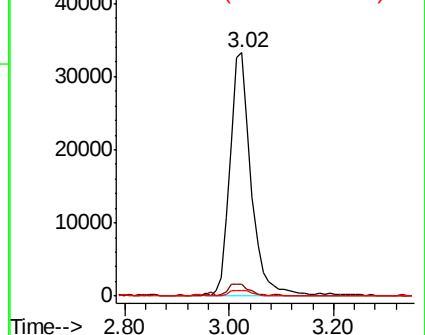
100 2.3 1.8 5.4

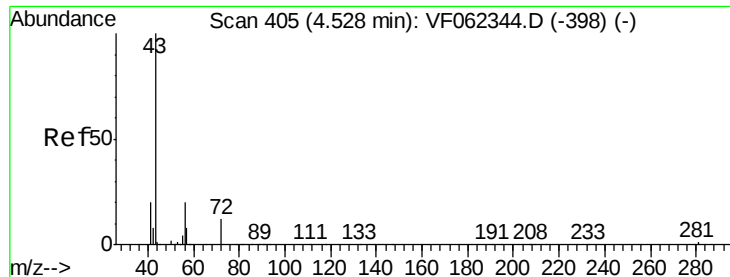


Abundance Ion 62.90 (62.60 to 63.60): VF0

Ion 97.90 (97.60 to 98.60): VF0

Ion 99.90 (99.60 to 100.60): VF0

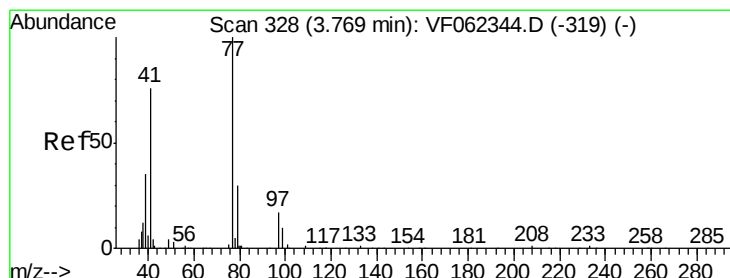
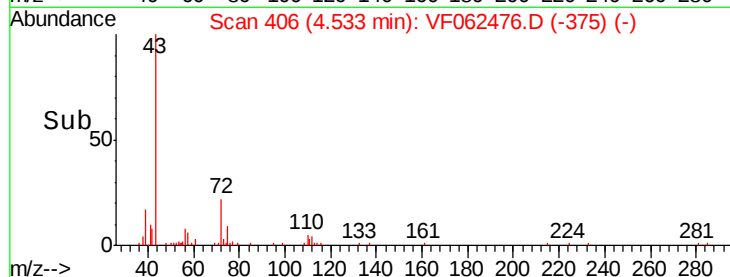
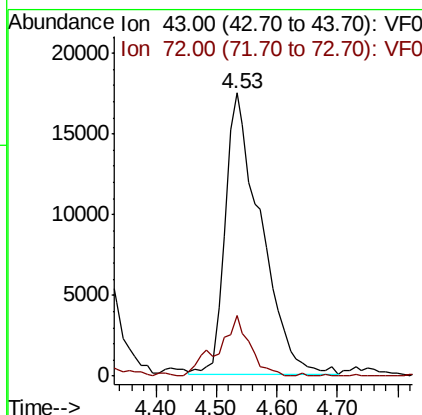
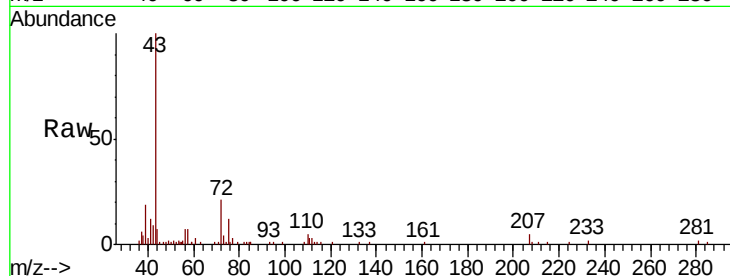




#25
2-Butanone
Concen: 105.544 ug/l
RT: 4.53 min Scan# 406
Delta R.T. 0.00 min
Lab File: VF062476.D
Acq: 12 May 2019 00:07

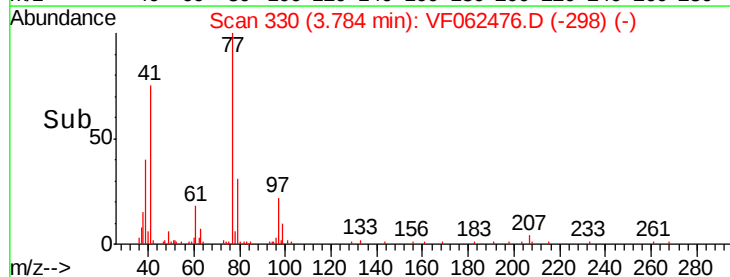
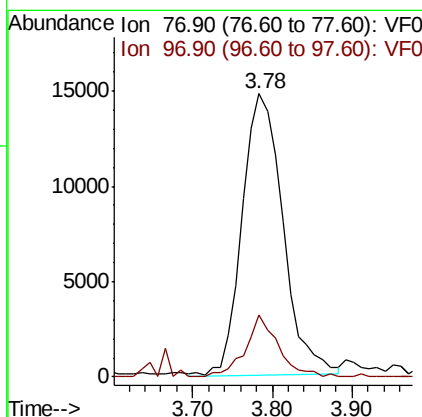
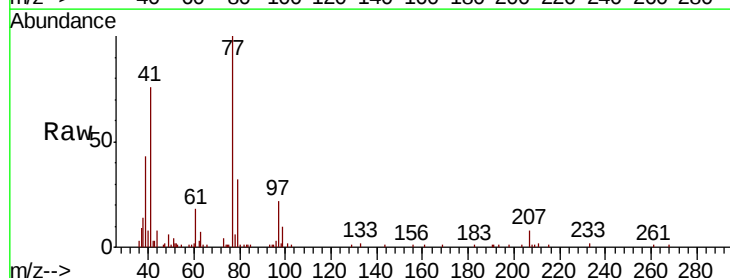
Instrument :
MSVOA_F
ClientSampleId :

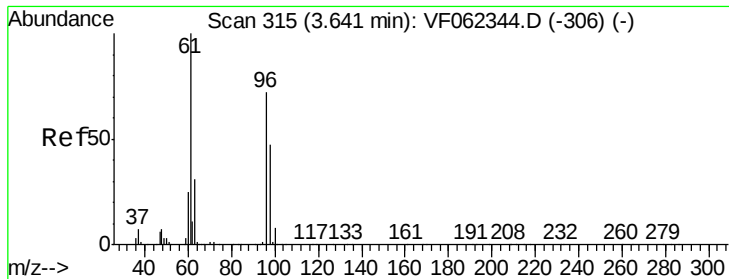
Tot Ion: 43 Resp: 70764
Ion Ratio Lower Upper
43 100
72 21.5 14.2 21.4#



#26
2,2-Dichloropropane
Concen: 26.397 ug/l
RT: 3.78 min Scan# 330
Delta R.T. 0.01 min
Lab File: VF062476.D
Acq: 12 May 2019 00:07

Tgt Ion: 77 Resp: 52644
Ion Ratio Lower Upper
77 100
97 17.7 9.5 28.5



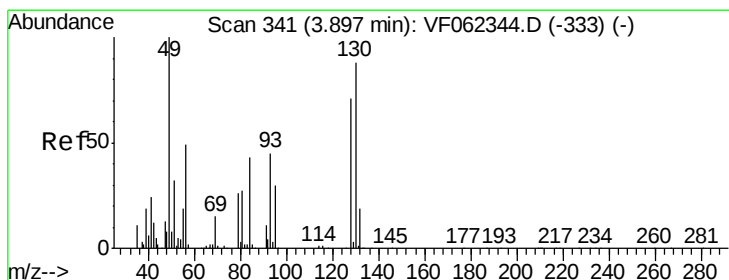
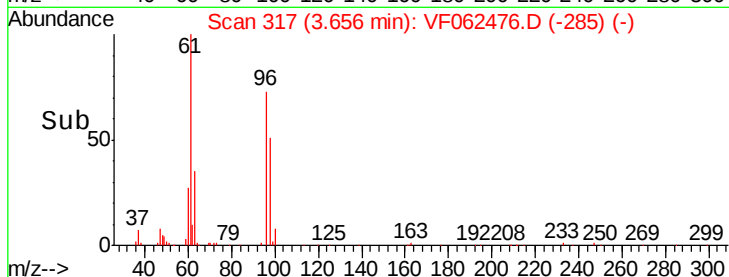
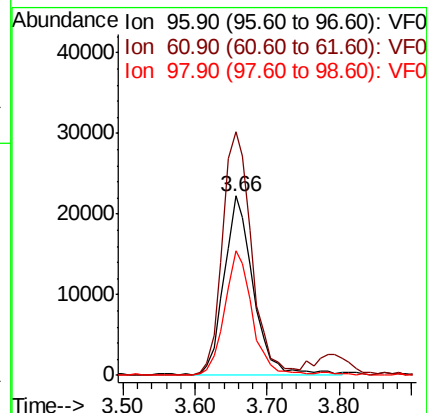
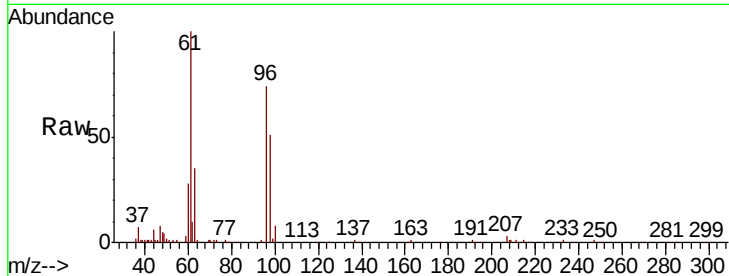


#27

cis-1,2-Dichloroethene
Concen: 24.648 ug/l
RT: 3.66 min Scan# 317
Delta R.T. 0.01 min
Lab File: VF062476.D
Acq: 12 May 2019 00:07

Instrument :
MSVOA_F
ClientSampleId :

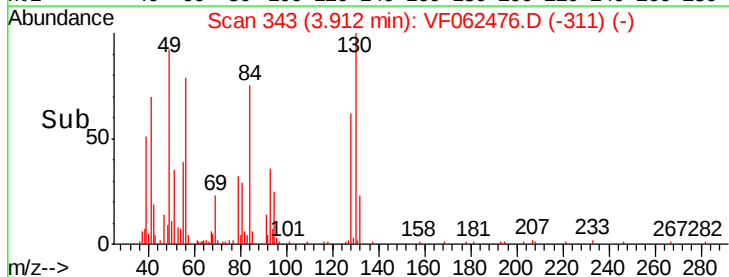
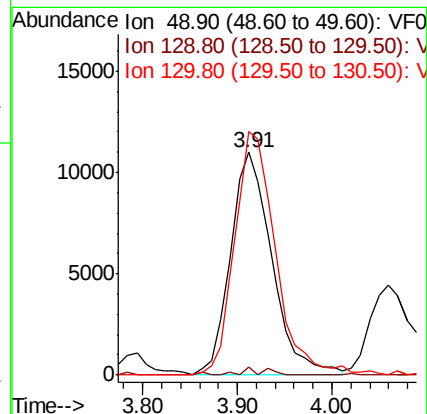
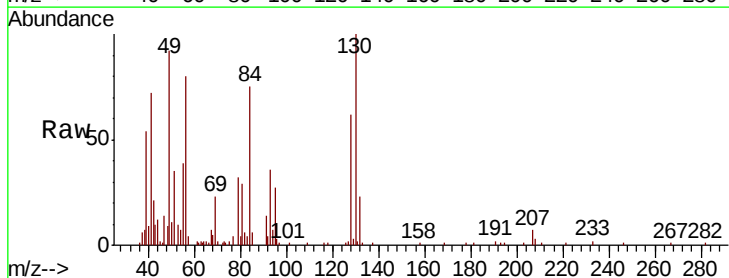
Tot Ion	Ratio	Lower	Upper
96	100		
61	134.8	0.0	263.0
98	64.7	0.0	130.8

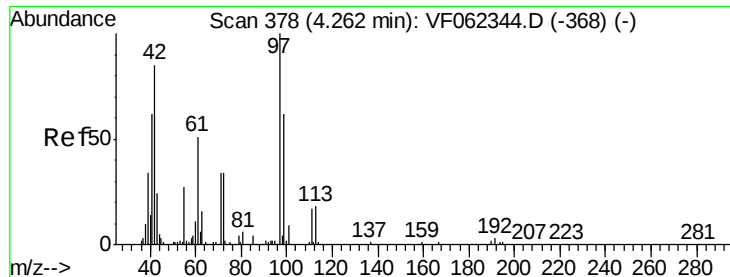


#28

Bromochloromethane
Concen: 20.669 ug/l
RT: 3.91 min Scan# 343
Delta R.T. 0.01 min
Lab File: VF062476.D
Acq: 12 May 2019 00:07

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.9	0.0	2.2
130	107.9	79.4	119.0





#29

Tetrahydrofuran

Concen: 107.748 ug/l

RT: 4.28 min Scan# 380

Delta R.T. 0.01 min

Lab File: VF062476.D

Acq: 12 May 2019 00:07

Instrument :

MSVOA_F

ClientSampleId :

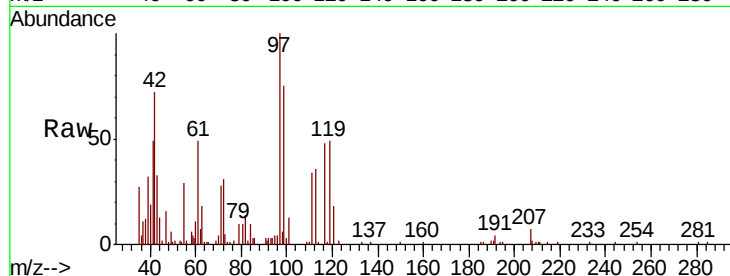
Tot Ion: 42 Resp: 33202

Ion Ratio Lower Upper

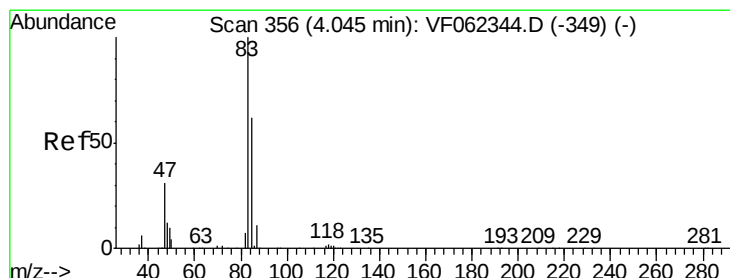
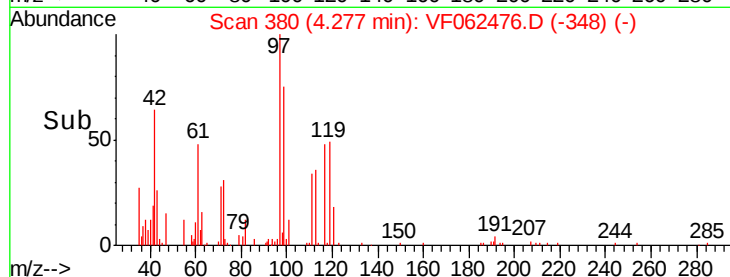
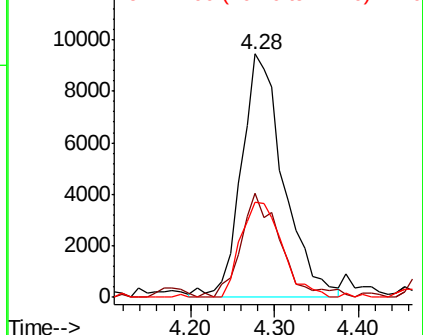
42 100

72 40.3 31.4 47.0

71 38.3 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: 25.494 ug/l

RT: 4.06 min Scan# 358

Delta R.T. 0.01 min

Lab File: VF062476.D

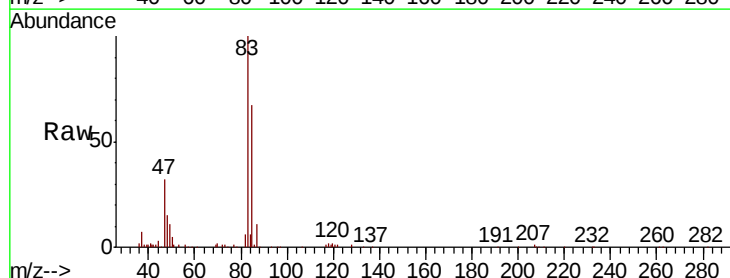
Acq: 12 May 2019 00:07

Tgt Ion: 83 Resp: 123002

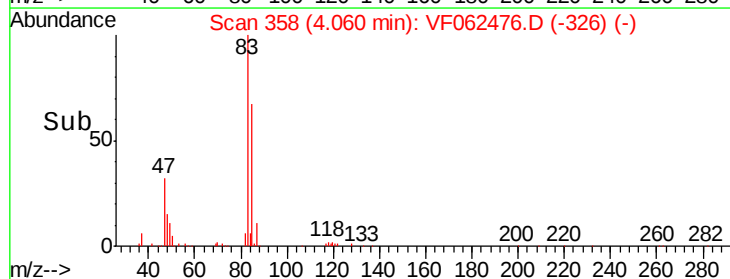
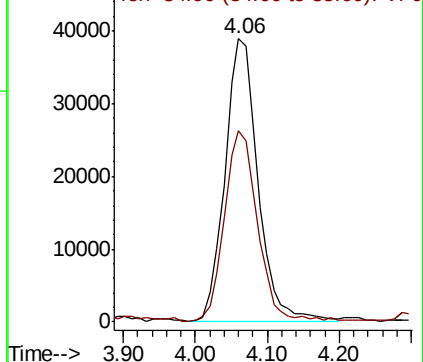
Ion Ratio Lower Upper

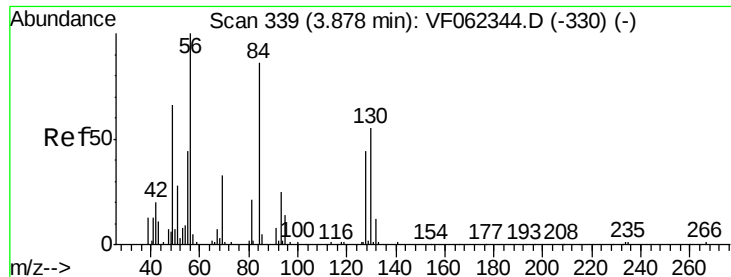
83 100

85 67.3 49.6 74.4



Abundance Ion 82.90 (82.60 to 83.60): VF0
Ion 84.90 (84.60 to 85.60): VF0

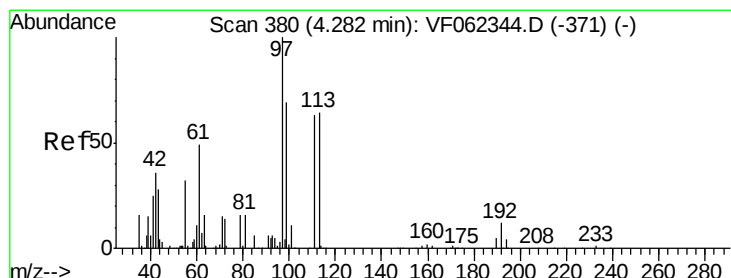
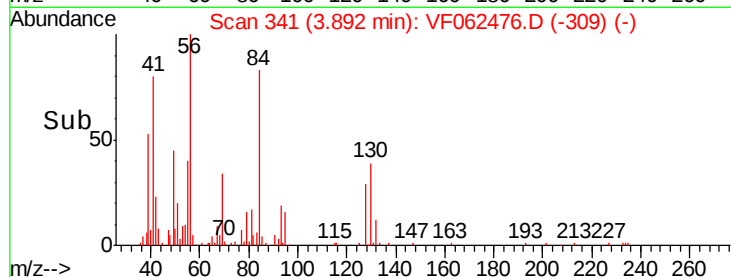
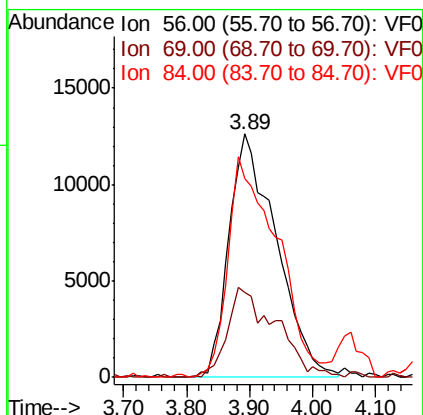
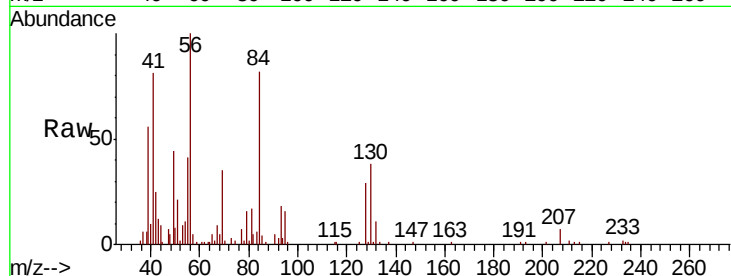




#31
Cyclohexane
Concen: 23.077 ug/l
RT: 3.89 min Scan# 341
Delta R.T. 0.01 min
Lab File: VF062476.D
Acq: 12 May 2019 00:07

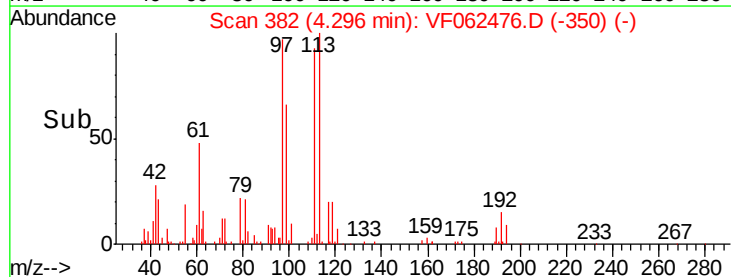
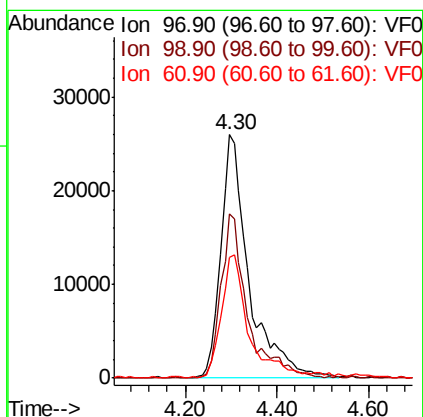
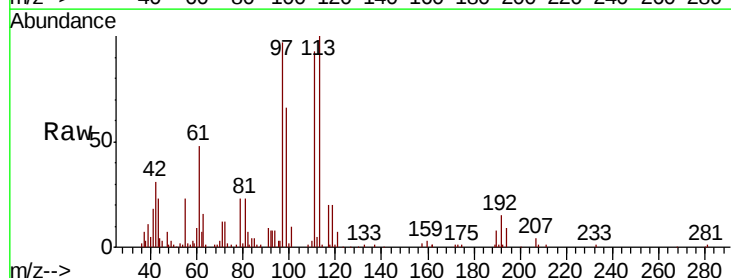
Instrument :
MSVOA_F
ClientSampleId :

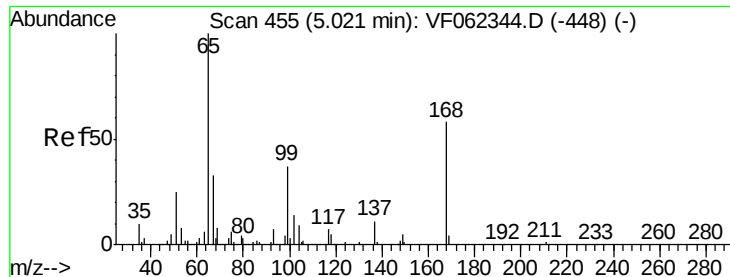
Tot Ion: 56 Resp: 65782
Ion Ratio Lower Upper
56 100
69 34.8 26.4 39.6
84 81.7 69.0 103.6



#32
1,1,1-Trichloroethane
Concen: 26.796 ug/l
RT: 4.30 min Scan# 382
Delta R.T. 0.01 min
Lab File: VF062476.D
Acq: 12 May 2019 00:07

Tgt Ion: 97 Resp: 110805
Ion Ratio Lower Upper
97 100
99 63.2 52.6 78.8
61 49.0 39.4 59.0





#33

1,2-Dichloroethane-d4

Concen: 46.118 ug/l

RT: 5.05 min Scan# 458

Delta R.T. 0.02 min

Lab File: VF062476.D

Acq: 12 May 2019 00:07

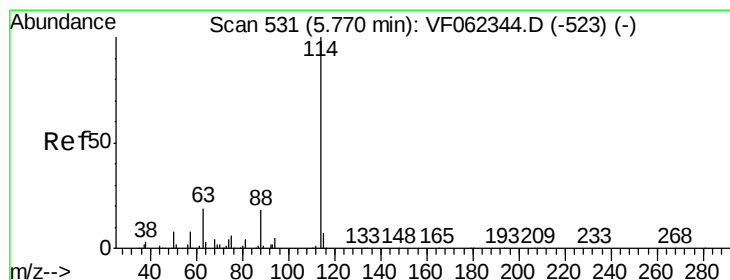
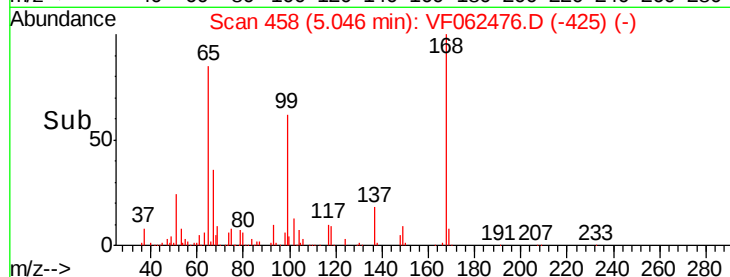
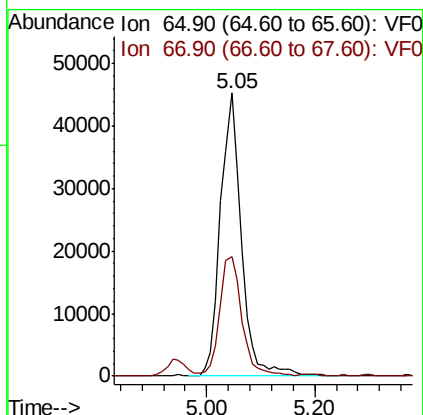
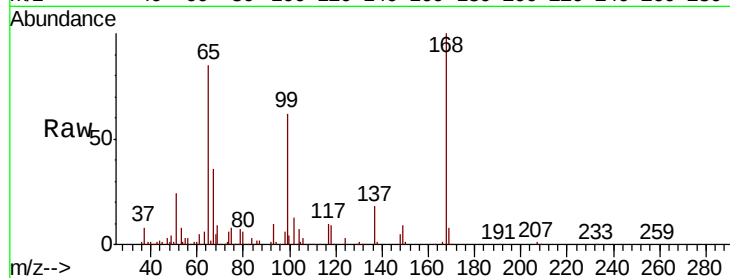
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 65 Resp: 121665

Ion Ratio Lower Upper

65 100

67 43.7 0.0 85.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.78 min Scan# 533

Delta R.T. 0.01 min

Lab File: VF062476.D

Acq: 12 May 2019 00:07

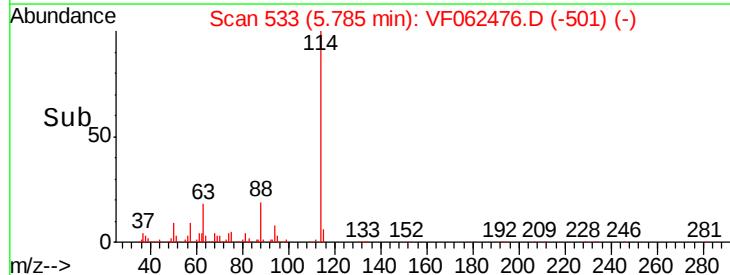
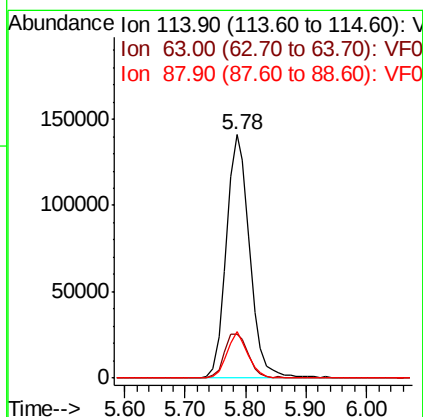
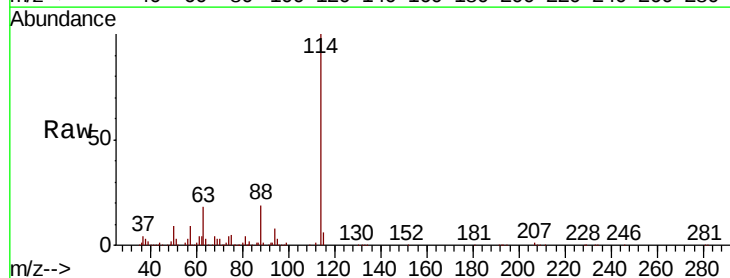
Tgt Ion: 114 Resp: 377115

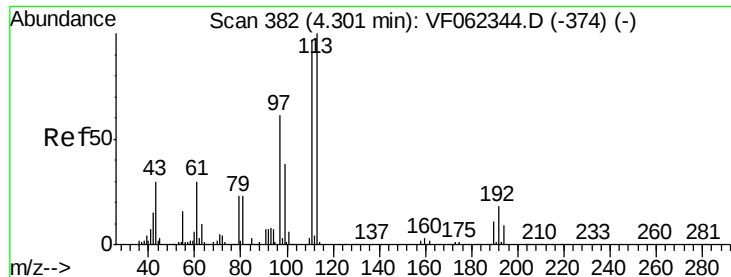
Ion Ratio Lower Upper

114 100

63 17.9 0.0 37.4

88 19.3 0.0 36.4

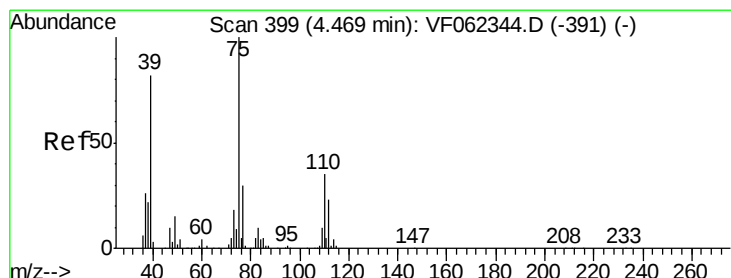
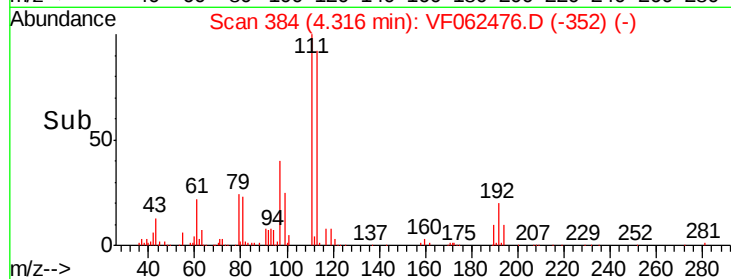
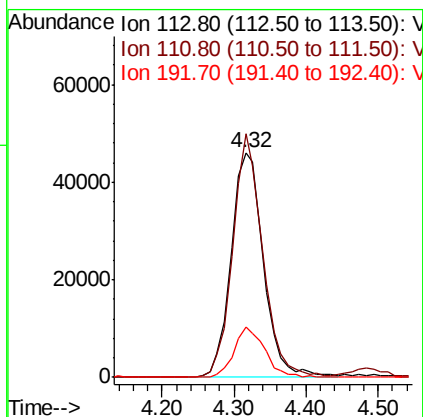
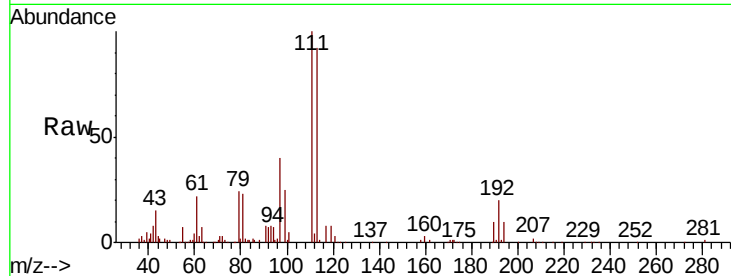




#35
 Dibromofluoromethane
 Concen: 48.069 ug/l
 RT: 4.32 min Scan# 384
 Delta R.T. 0.01 min
 Lab File: VF062476.D
 Acq: 12 May 2019 00:07

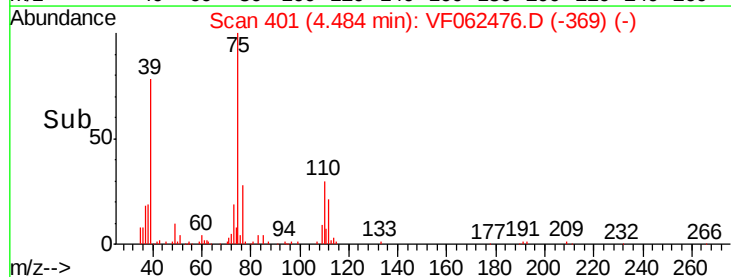
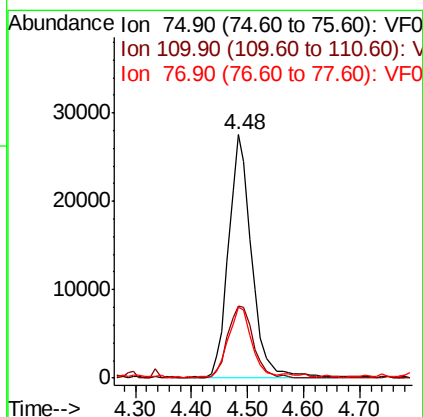
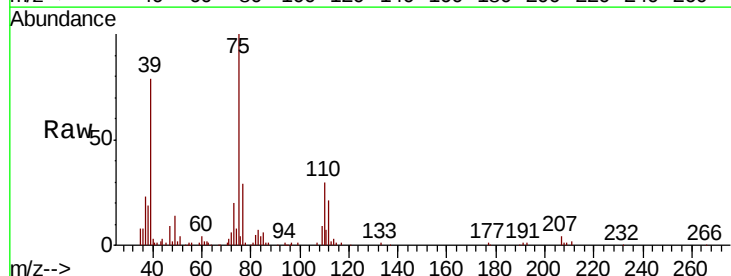
Instrument :
 MSVOA_F
 ClientSampleId :

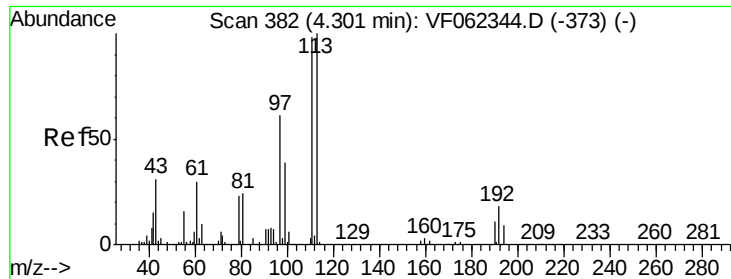
Tot Ion:113 Resp: 144418
 Ion Ratio Lower Upper
 113 100
 111 100.2 79.4 119.0
 192 21.2 16.0 24.0



#36
 1,1-Dichloropropene
 Concen: 24.478 ug/l
 RT: 4.48 min Scan# 401
 Delta R.T. 0.01 min
 Lab File: VF062476.D
 Acq: 12 May 2019 00:07

Tgt Ion: 75 Resp: 79299
 Ion Ratio Lower Upper
 75 100
 110 32.6 17.2 51.5
 77 30.0 25.2 37.8





#37

Ethyl Acetate

Concen: 20.317 ug/l

RT: 4.31 min Scan# 383

Delta R.T. 0.01 min

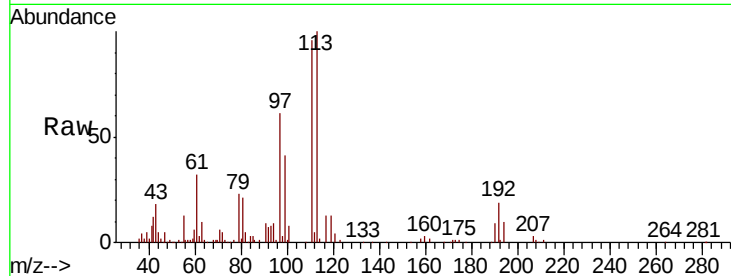
Lab File: VF062476.D

Acq: 12 May 2019 00:07

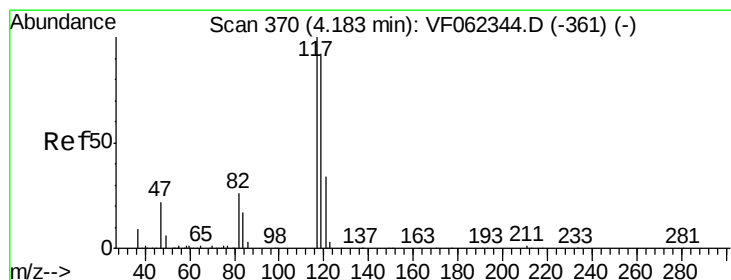
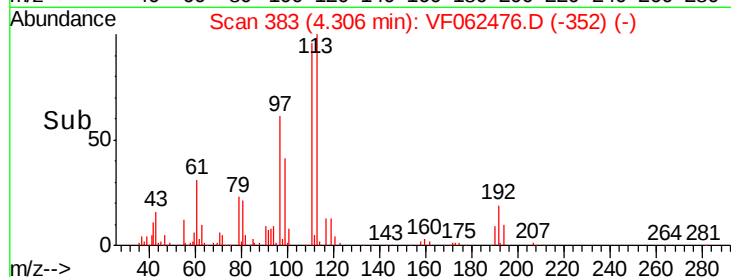
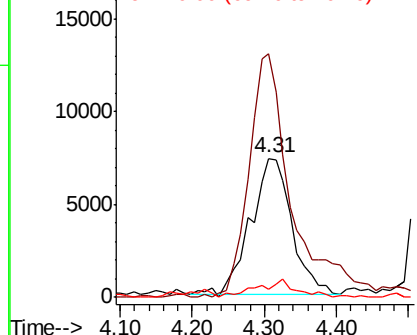
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 43 Resp: 29576

Ion	Ratio	Lower	Upper
43	100		
61	183.5	0.0	0.0#
70	12.3	8.2	12.2#



Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 60.90 (60.60 to 61.60): VF0
Ion 70.00 (69.70 to 70.70): VF0



#38

Carbon Tetrachloride

Concen: 28.339 ug/l

RT: 4.20 min Scan# 372

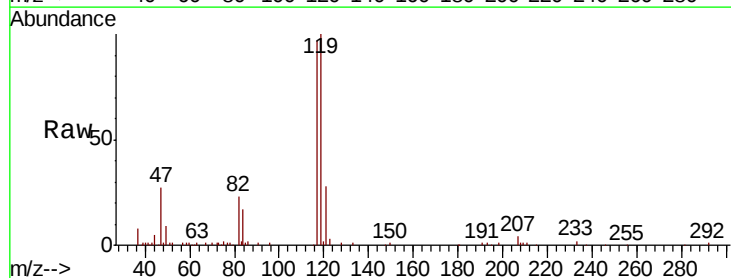
Delta R.T. 0.01 min

Lab File: VF062476.D

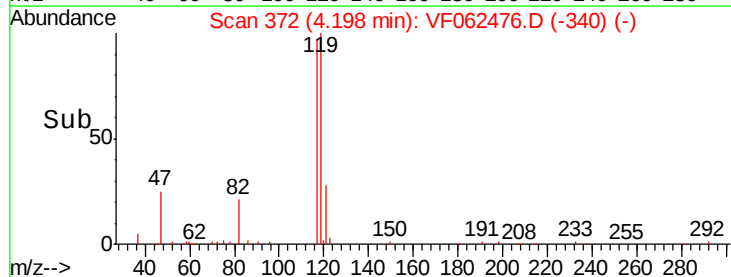
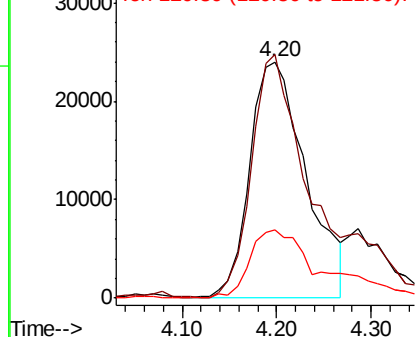
Acq: 12 May 2019 00:07

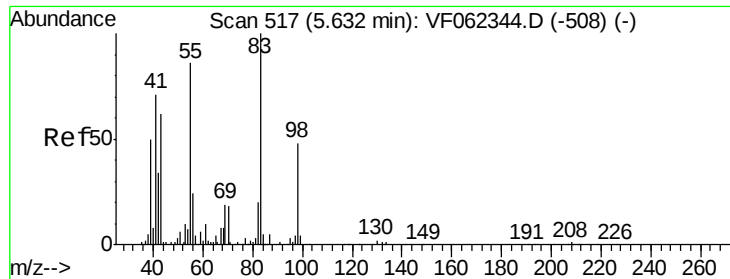
Tgt Ion: 117 Resp: 99269

Ion	Ratio	Lower	Upper
117	100		
119	102.3	73.4	110.2
121	28.9	27.4	41.0



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

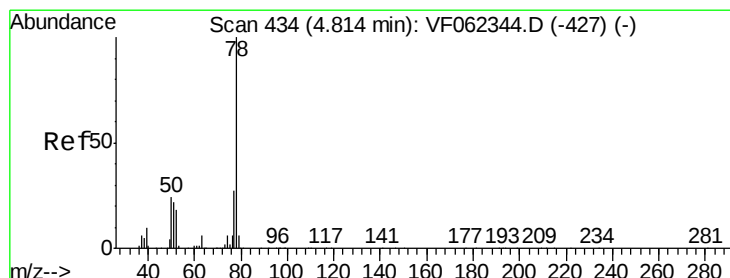
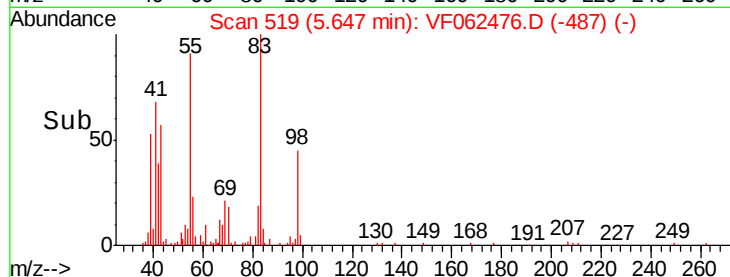
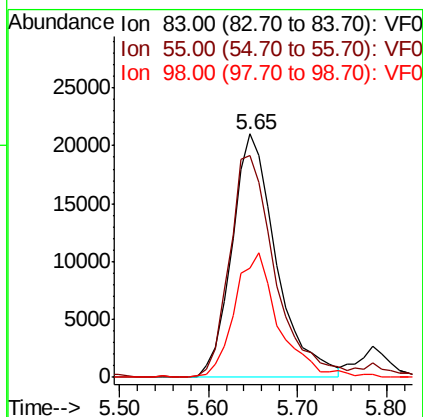
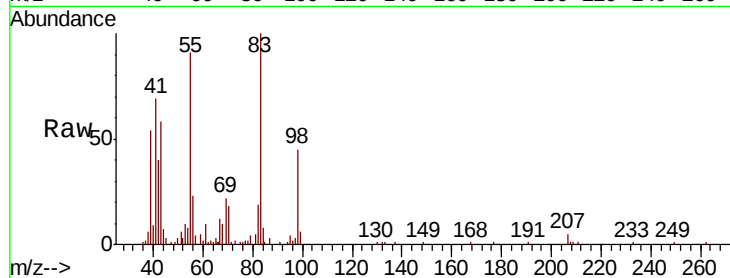




#39
Methvlcvclohexane
Concen: 22.393 ug/l
RT: 5.65 min Scan# 519
Delta R.T. 0.01 min
Lab File: VF062476.D
Acq: 12 May 2019 00:07

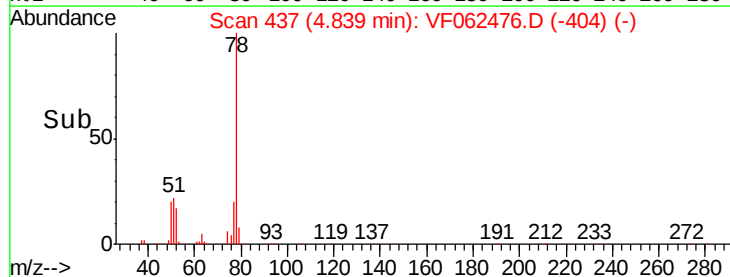
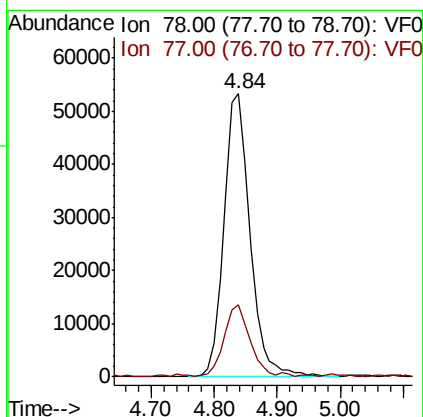
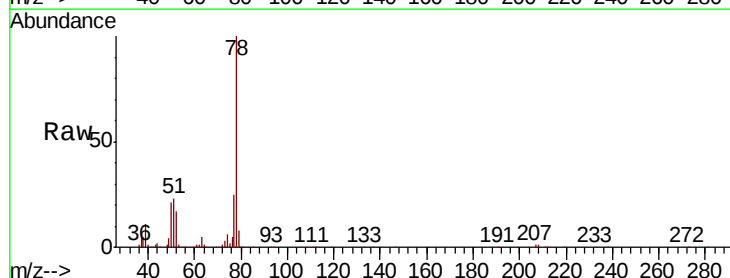
Instrument :
MSVOA_F
ClientSampled :

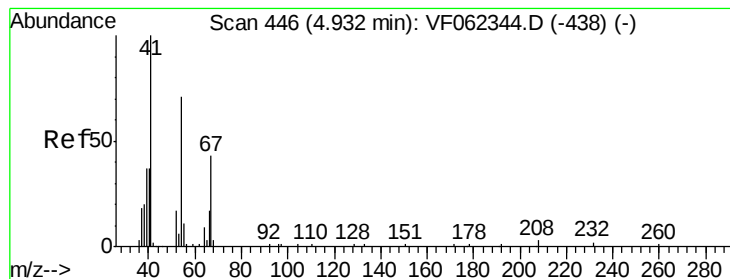
Tot Ion: 83 Resp: 72753
Ion Ratio Lower Upper
83 100
55 91.1 69.0 103.6
98 44.9 38.6 58.0



#40
Benzene
Concen: 21.443 ug/l
RT: 4.84 min Scan# 437
Delta R.T. 0.02 min
Lab File: VF062476.D
Acq: 12 May 2019 00:07

Tgt Ion: 78 Resp: 152967
Ion Ratio Lower Upper
78 100
77 25.0 21.6 32.4





#41

Methacrylonitrile

Concen: 18.606 ug/l

RT: 4.95 min Scan# 448

Delta R.T. 0.01 min

Lab File: VF062476.D

Acq: 12 May 2019 00:07

Instrument :

MSVOA_F

ClientSampleId :

Tot Ion: 41 Resp: 14453

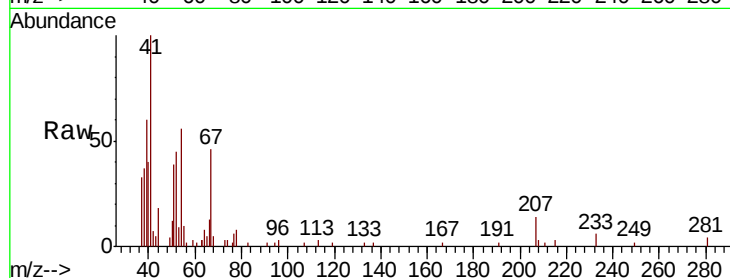
Ion Ratio Lower Upper

41 100

39 71.0 54.3 81.5

67 45.9 37.8 56.8

52 73.6 58.2 87.4

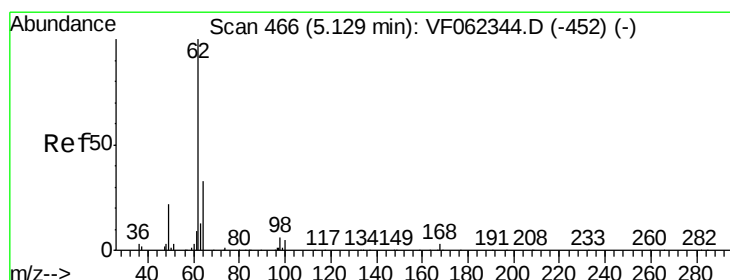
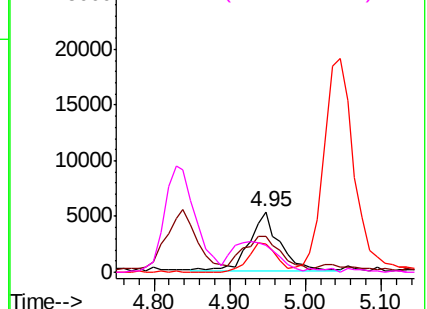
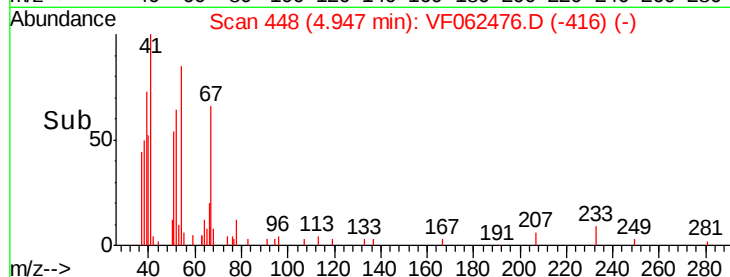


Abundance Ion 41.00 (40.70 to 41.70): VF0

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: 24.545 ug/l

RT: 5.14 min Scan# 468

Delta R.T. 0.01 min

Lab File: VF062476.D

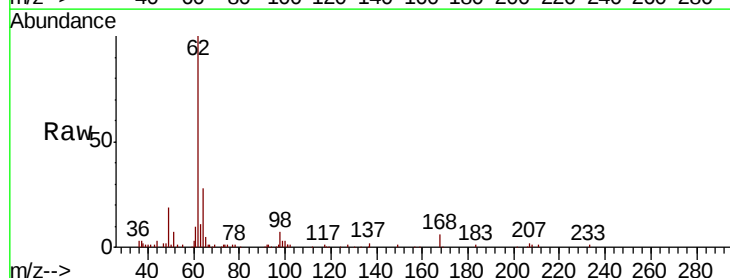
Acq: 12 May 2019 00:07

Tgt Ion: 62 Resp: 73233

Ion Ratio Lower Upper

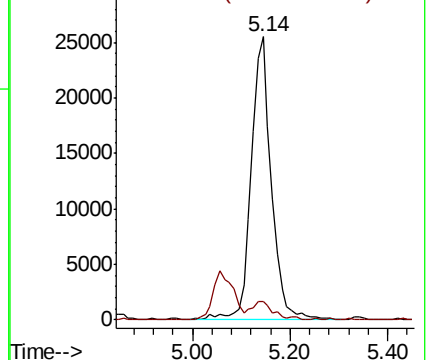
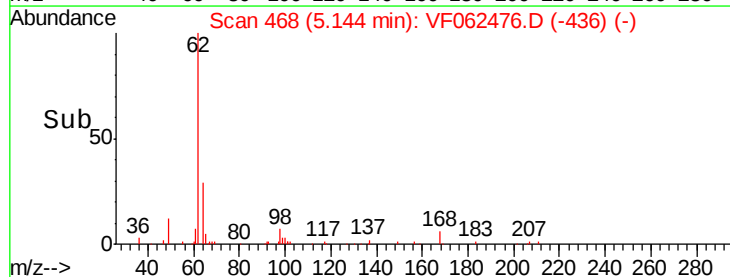
62 100

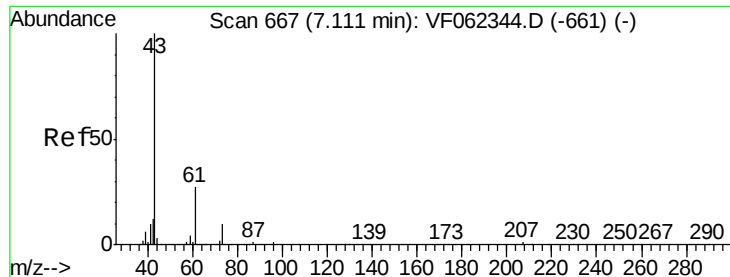
98 7.2 0.0 12.4



Abundance Ion 61.90 (61.60 to 62.60): VF0

Ion 97.90 (97.60 to 98.60): VF0



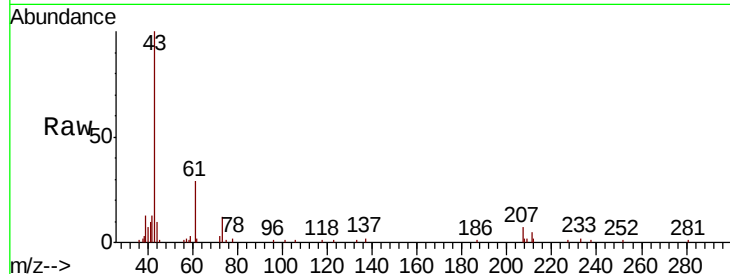


#43

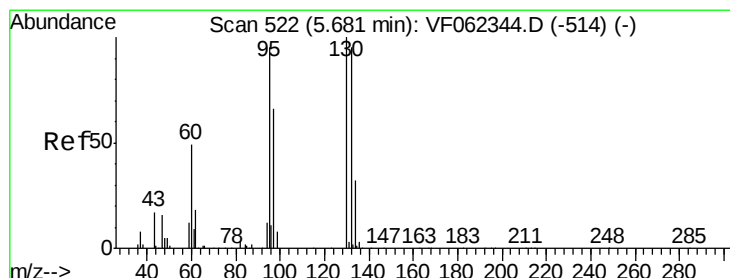
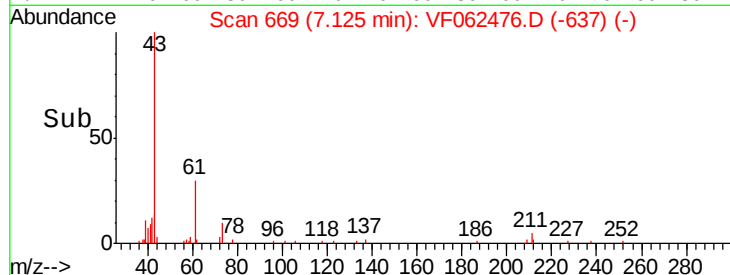
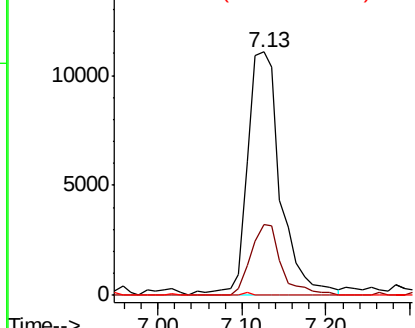
Isopropyl Acetate
 Concen: 20.736 ug/l
 RT: 7.13 min Scan# 669
 Delta R.T. 0.01 min
 Lab File: VF062476.D
 Acq: 12 May 2019 00:07

Instrument :
 MSVOA_F
 ClientSampled :

Tot Ion	43	Resp	30555
Ion Ratio	Lower	Upper	
43	100		
61	27.0	22.8	34.2
87	0.3	0.6	1.0#



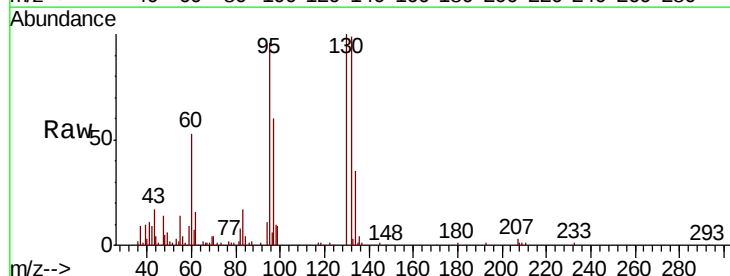
Abundance Ion 43.00 (42.70 to 43.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 87.00 (86.70 to 87.70): VF0



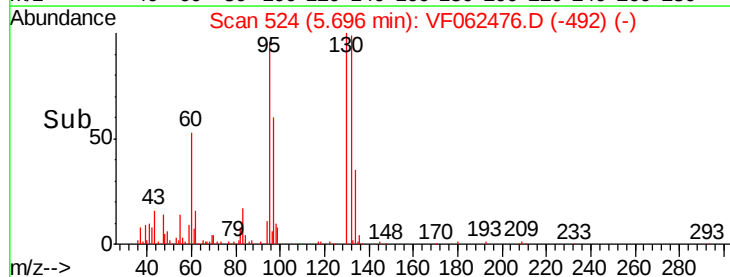
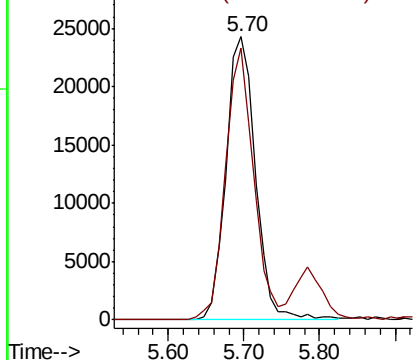
#44

Trichloroethene
 Concen: 24.880 ug/l
 RT: 5.70 min Scan# 524
 Delta R.T. 0.01 min
 Lab File: VF062476.D
 Acq: 12 May 2019 00:07

Tgt Ion	130	Resp	65199
Ion Ratio	Lower	Upper	
130	100		
95	95.9	0.0	189.0



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





#45

1,2-Dichloropropane

Concen: 22.942 ug/l

RT: 6.42 min Scan# 597

Delta R.T. 0.01 min

Lab File: VF062476.D

Acq: 12 May 2019 00:07

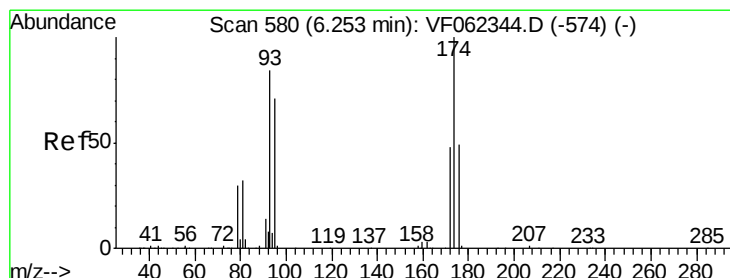
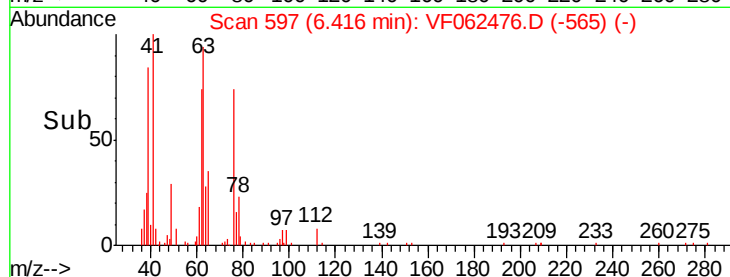
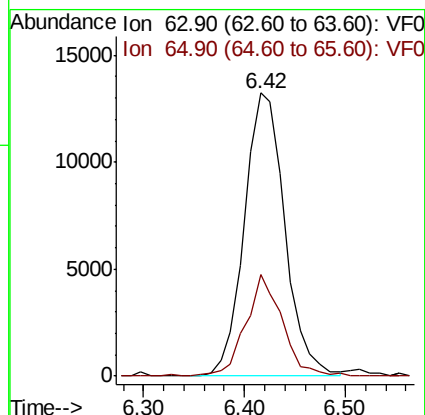
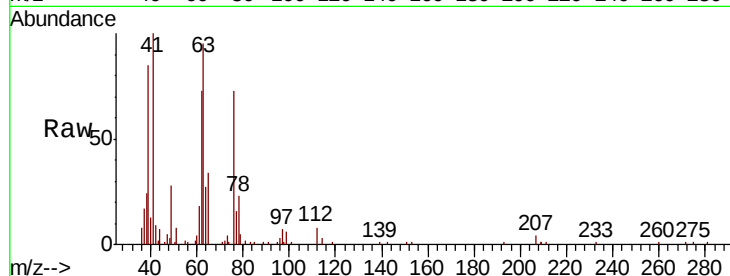
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 63 Resp: 37069

Ion Ratio Lower Upper

63 100

65 36.0 25.6 38.4



#46

Dibromomethane

Concen: 22.068 ug/l

RT: 6.28 min Scan# 583

Delta R.T. 0.02 min

Lab File: VF062476.D

Acq: 12 May 2019 00:07

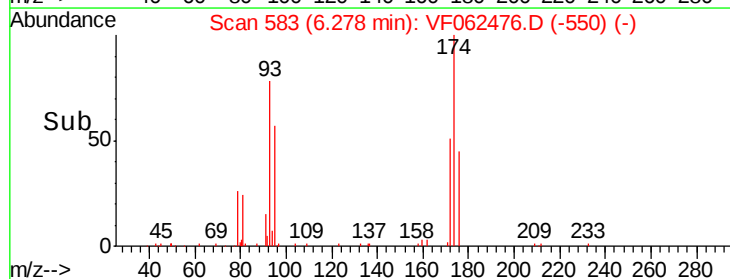
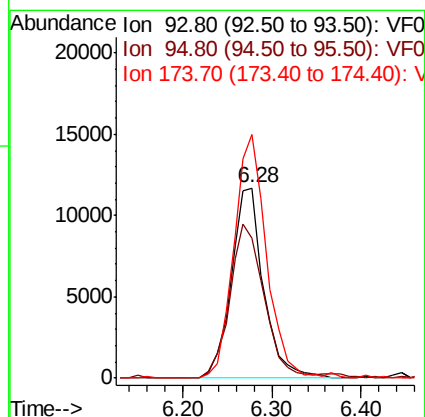
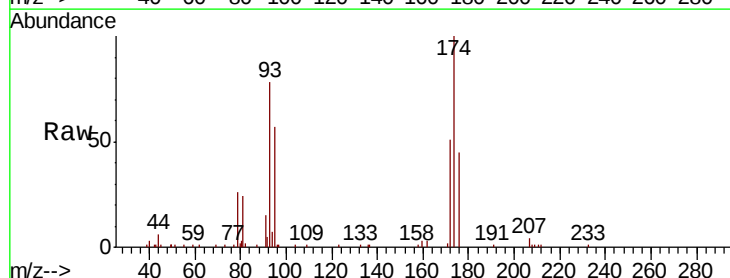
Tgt Ion: 93 Resp: 29564

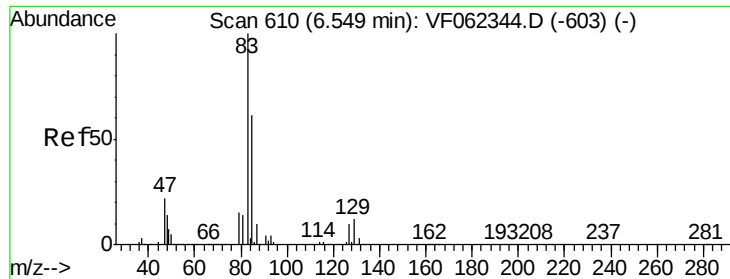
Ion Ratio Lower Upper

93 100

95 85.6 68.4 102.6

174 129.3 99.6 149.4





#47

Bromodichloromethane

Concen: 23.248 ug/l

RT: 6.56 min Scan# 612

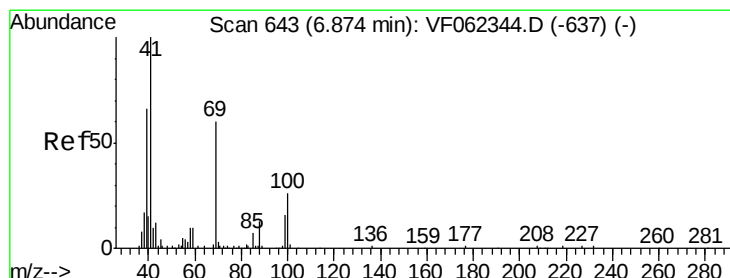
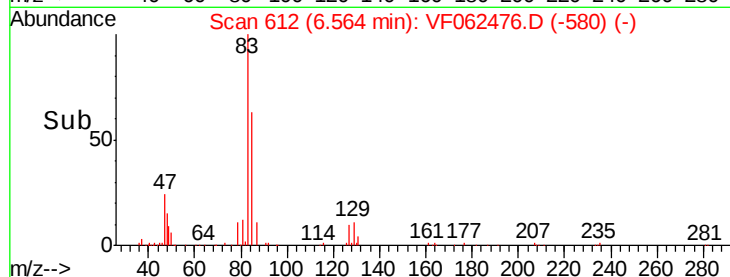
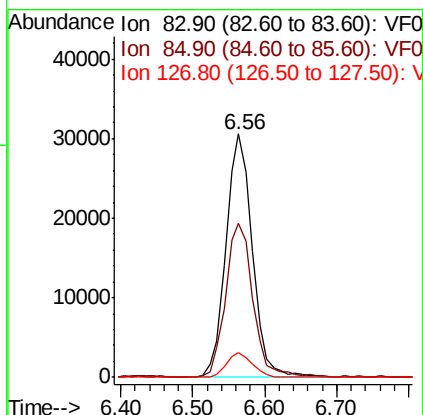
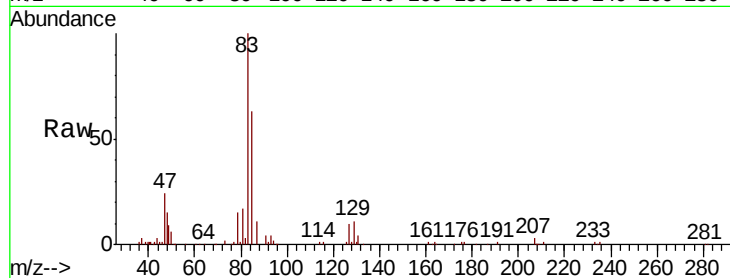
Delta R.T. 0.01 min

Lab File: VF062476.D

Acq: 12 May 2019 00:07

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	83	Resp:	77868
Ion	Ratio	Lower	Upper
83	100		
85	63.3	49.1	73.7
127	10.0	7.8	11.8



#48

Methyl methacrylate

Concen: 18.872 ug/l

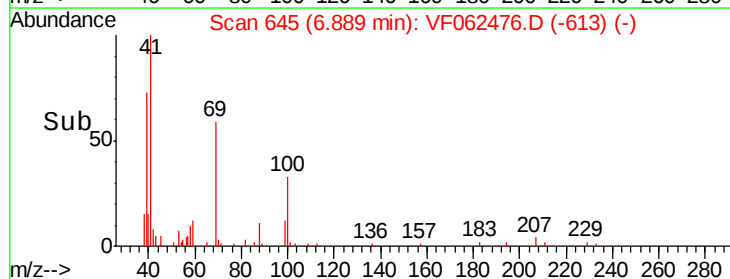
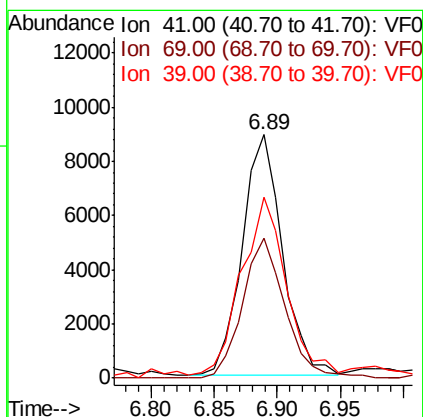
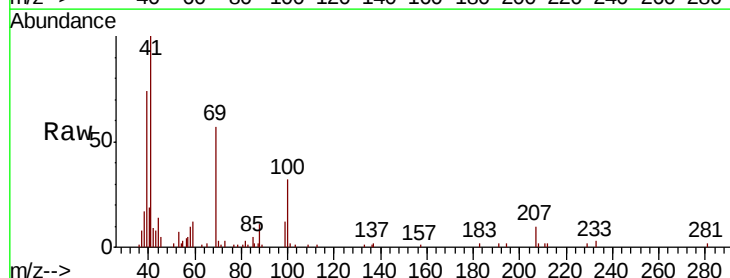
RT: 6.89 min Scan# 645

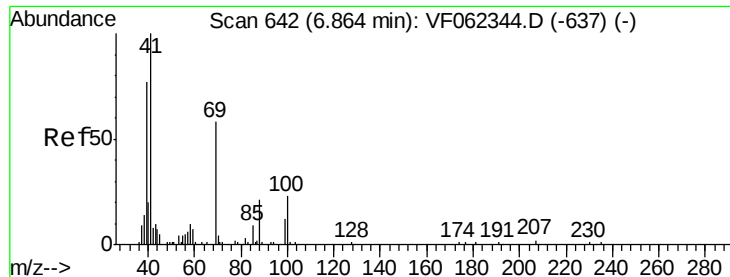
Delta R.T. 0.01 min

Lab File: VF062476.D

Acq: 12 May 2019 00:07

Tgt Ion:	41	Resp:	19652
Ion	Ratio	Lower	Upper
41	100		
69	61.7	48.6	72.8
39	81.9	56.1	84.1

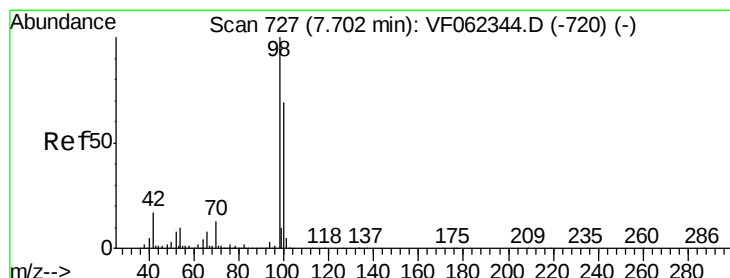
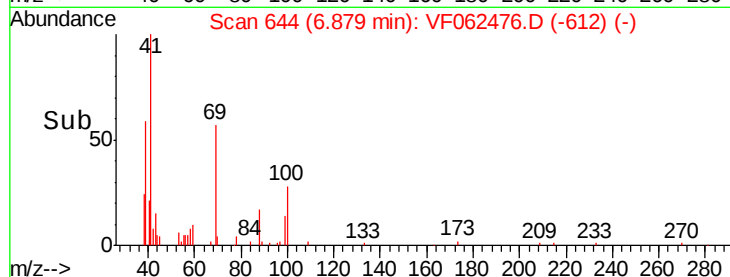
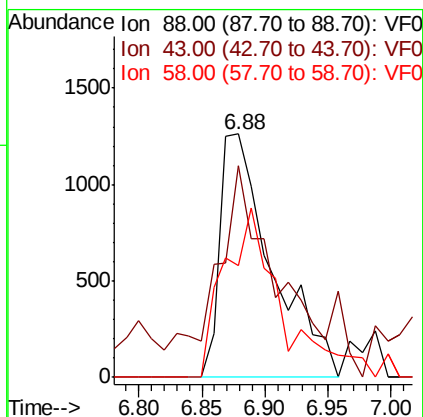
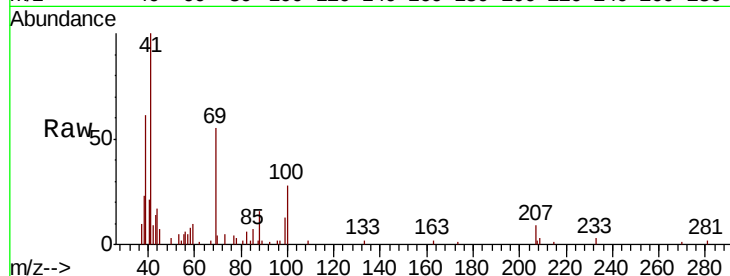




#49
1,4-Dioxane
Concen: 329.246 ug/l
RT: 6.88 min Scan# 644
Delta R.T. 0.02 min
Lab File: VF062476.D
Acq: 12 May 2019 00:07

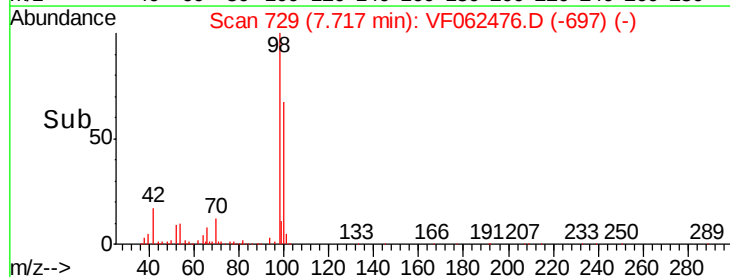
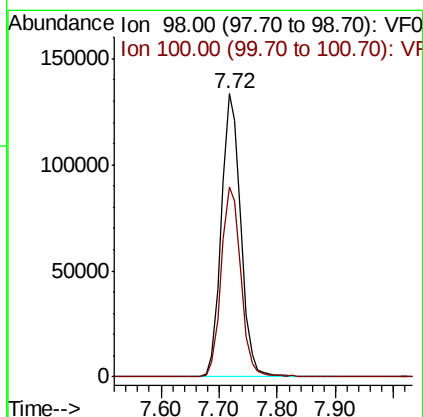
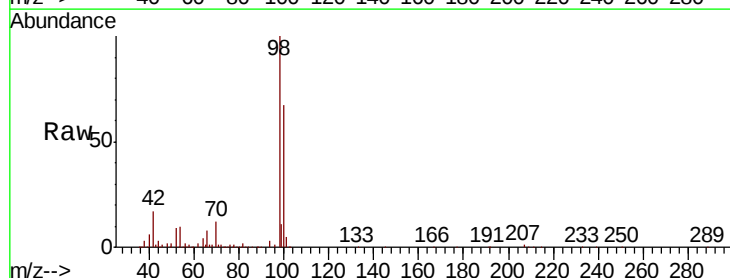
Instrument :
MSVOA_F
ClientSampleId :

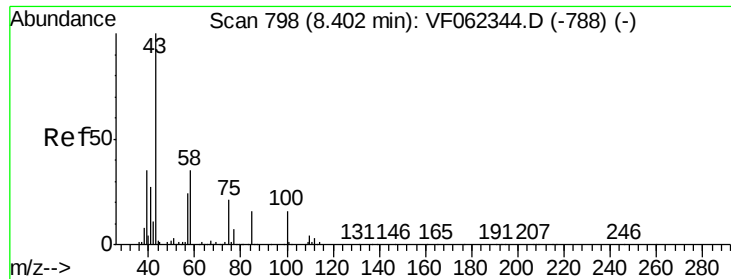
Tot Ion: 88 Resp: 3620
Ion Ratio Lower Upper
88 100
43 109.4 55.6 83.4#
58 76.2 52.8 79.2



#50
Toluene-d8
Concen: 42.540 ug/l
RT: 7.72 min Scan# 729
Delta R.T. 0.01 min
Lab File: VF062476.D
Acq: 12 May 2019 00:07

Tgt Ion: 98 Resp: 309380
Ion Ratio Lower Upper
98 100
100 67.7 53.3 79.9





#51

4-Methyl-2-Pentanone

Concen: 102.932 ug/l

RT: 8.42 min Scan# 800

Delta R.T. 0.01 min

Lab File: VF062476.D

Acq: 12 May 2019 00:07

Instrument :

MSVOA_F

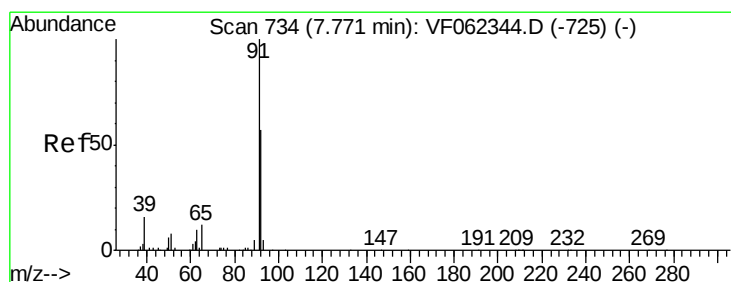
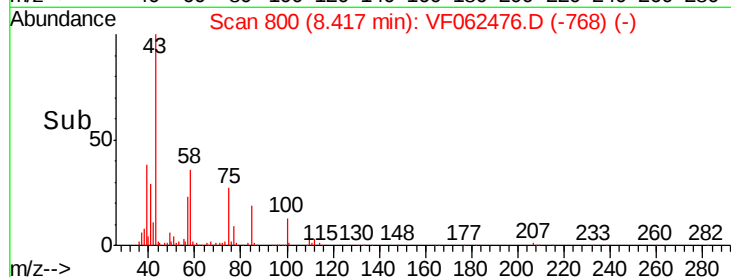
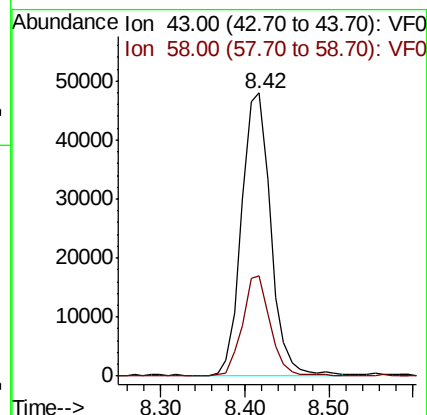
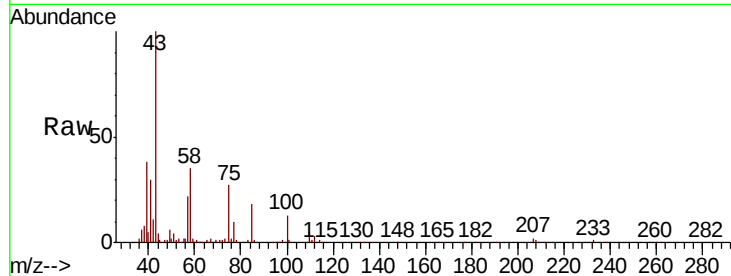
ClientSampleId :

Tot Ion: 43 Resp: 114928

Ion Ratio Lower Upper

43 100

58 34.2 27.8 41.6



#52

Toluene

Concen: 22.686 ug/l

RT: 7.79 min Scan# 736

Delta R.T. 0.01 min

Lab File: VF062476.D

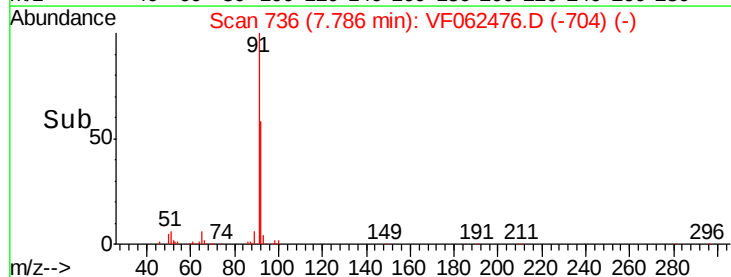
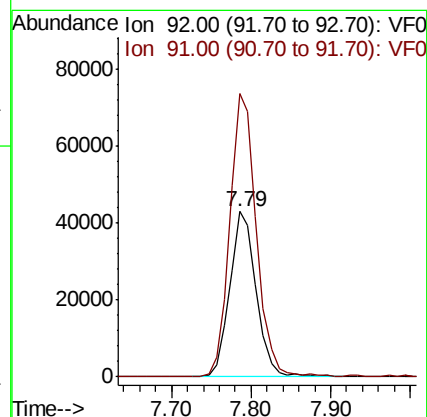
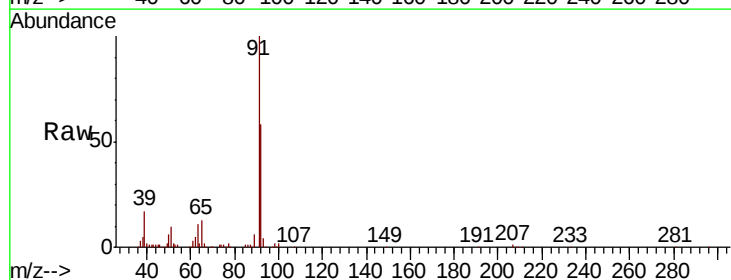
Acq: 12 May 2019 00:07

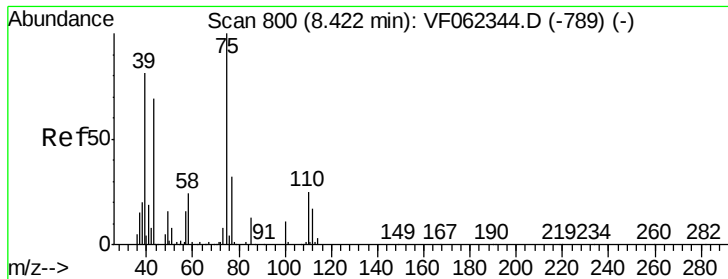
Tgt Ion: 92 Resp: 99836

Ion Ratio Lower Upper

92 100

91 172.8 138.7 208.1





#53

t-1,3-Dichloropropene

Concen: 21.751 ug/l

RT: 8.44 min Scan# 802

Delta R.T. 0.01 min

Lab File: VF062476.D

Acq: 12 May 2019 00:07

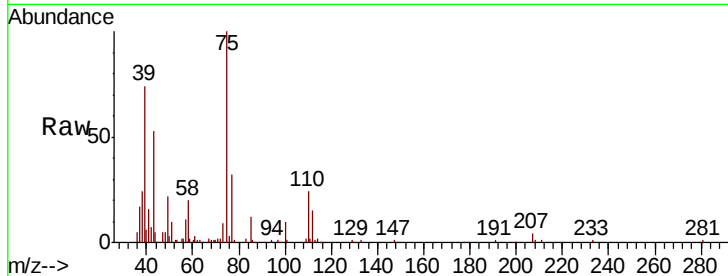
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 75 Resp: 55101

Ion Ratio Lower Upper

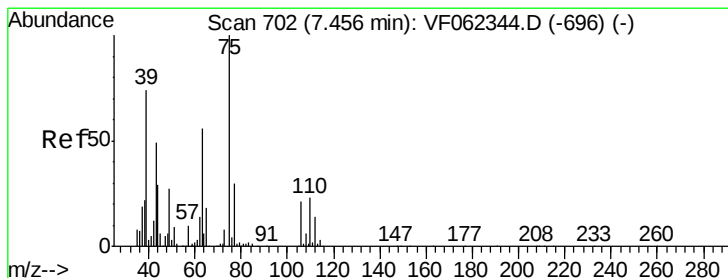
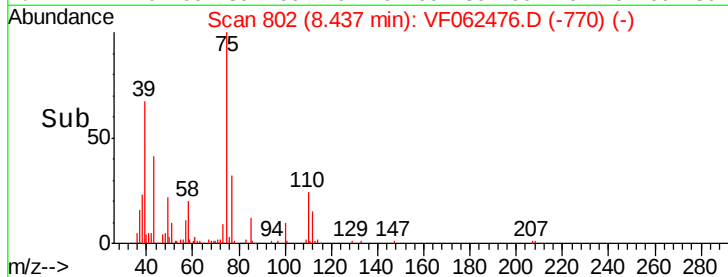
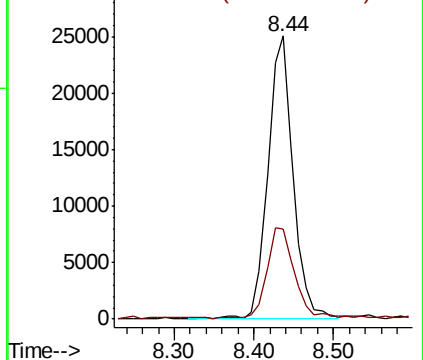
75 100

77 31.4 25.4 38.0



Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 76.90 (76.60 to 77.60): VF0



#54

cis-1,3-Dichloropropene

Concen: 21.571 ug/l

RT: 7.47 min Scan# 704

Delta R.T. 0.01 min

Lab File: VF062476.D

Acq: 12 May 2019 00:07

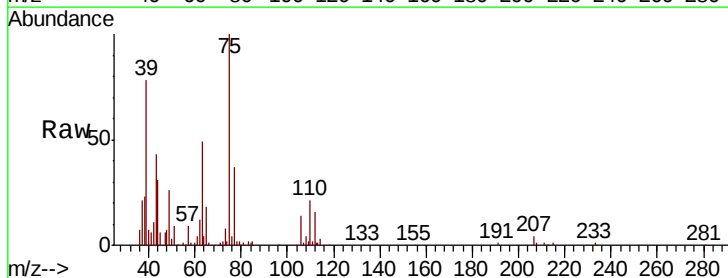
Tgt Ion: 75 Resp: 63598

Ion Ratio Lower Upper

75 100

77 36.6 24.0 36.0#

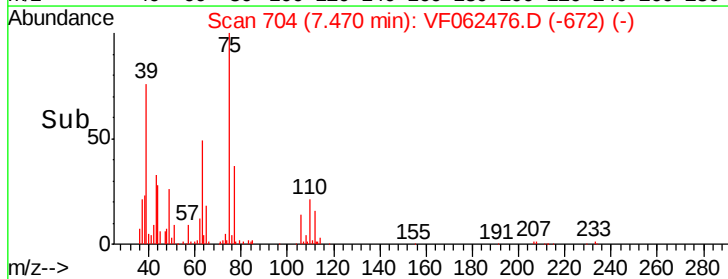
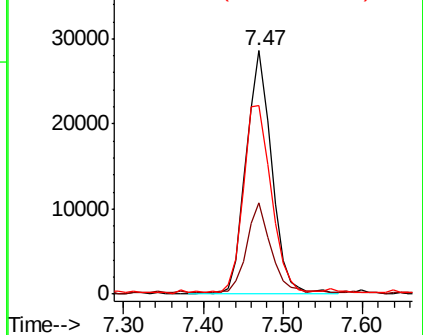
39 77.2 58.7 88.1

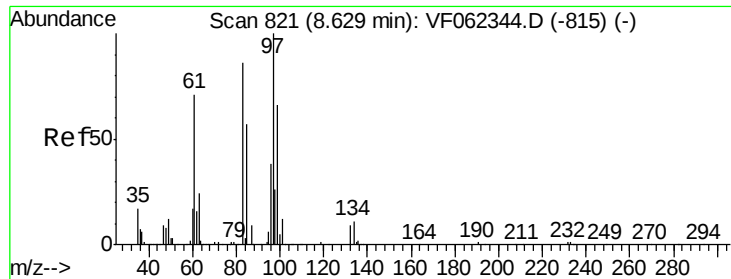


Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 76.90 (76.60 to 77.60): VF0

Ion 39.00 (38.70 to 39.70): VF0

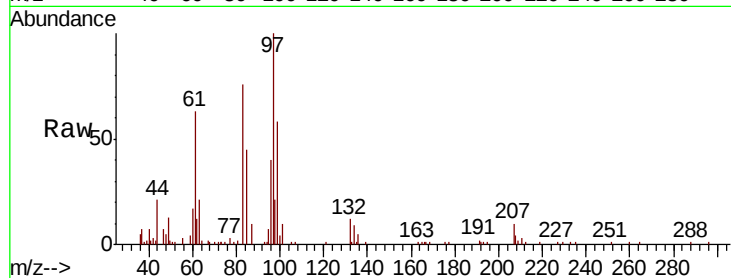




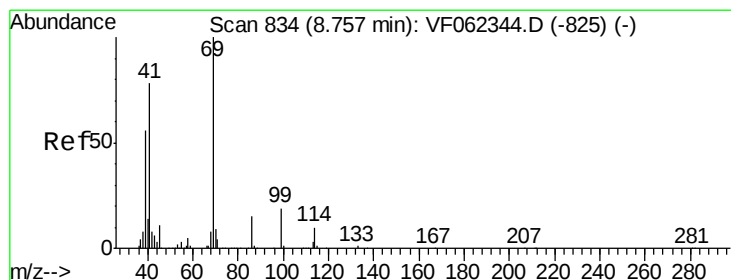
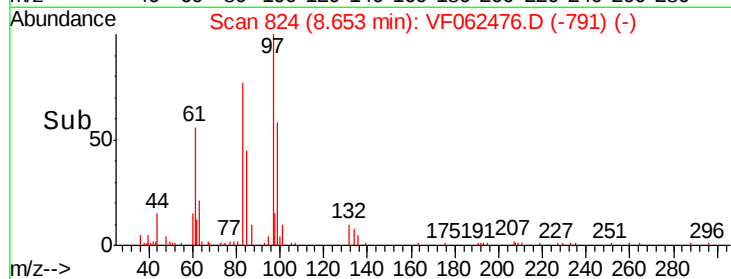
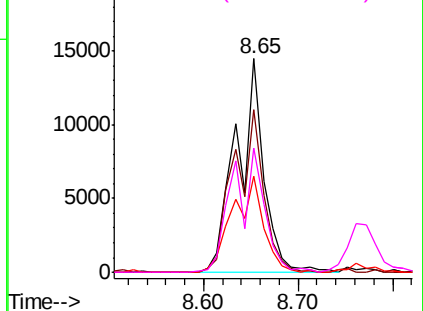
#55
 1,1,2-Trichloroethane
 Concen: 20.569 ug/l
 RT: 8.65 min Scan# 824
 Delta R.T. 0.02 min
 Lab File: VF062476.D
 Acq: 12 May 2019 00:07

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion:	97	Resp:	28736
Ion	Ratio	Lower	Upper
97	100		
83	75.9	68.5	102.7
85	45.0	45.4	68.2#
99	58.0	52.7	79.1

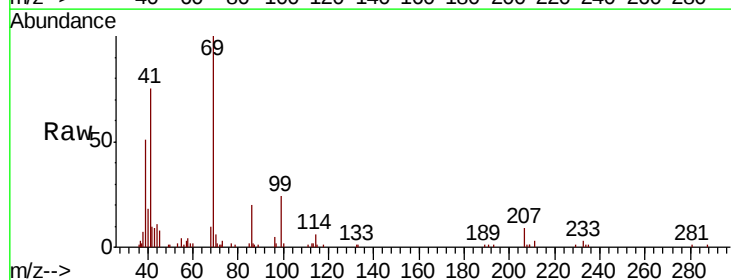


Abundance Ion 96.90 (96.60 to 97.60): VF0
 Ion 82.90 (82.60 to 83.60): VF0
 Ion 84.90 (84.60 to 85.60): VF0
 Ion 98.90 (98.60 to 99.60): VF0

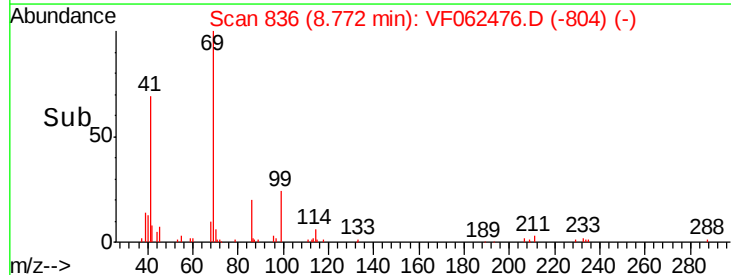
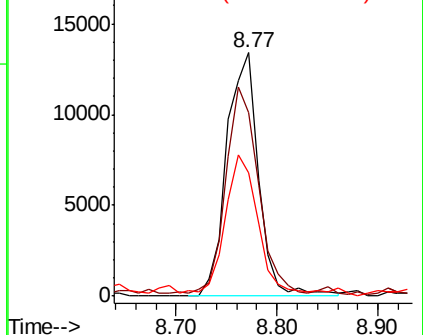


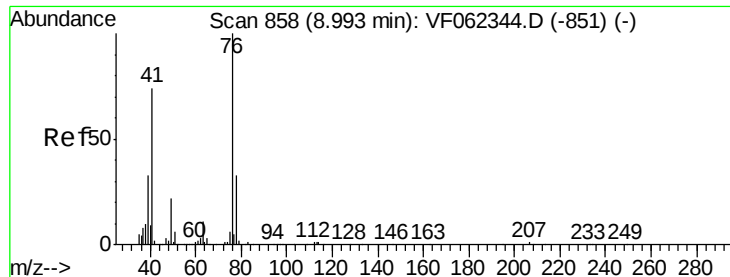
#56
 Ethyl methacrylate
 Concen: 20.027 ug/l
 RT: 8.77 min Scan# 836
 Delta R.T. 0.01 min
 Lab File: VF062476.D
 Acq: 12 May 2019 00:07

Tgt Ion:	69	Resp:	29534
Ion	Ratio	Lower	Upper
69	100		
41	86.0	66.3	99.5
39	55.7	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





#57

1,3-Dichloropropane

Concen: 22.295 ug/l

RT: 9.01 min Scan# 860

Delta R.T. 0.01 min

Lab File: VF062476.D

Acq: 12 May 2019 00:07

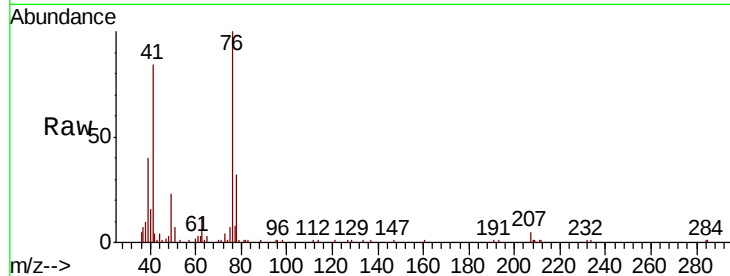
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 76 Resp: 47049

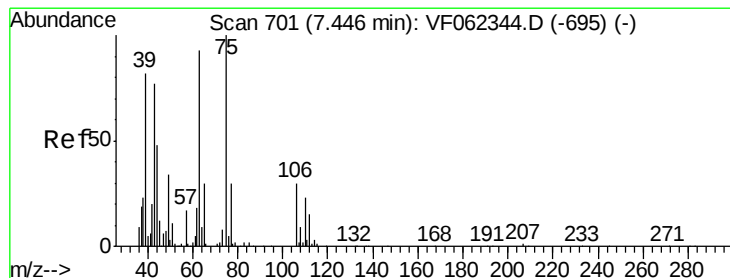
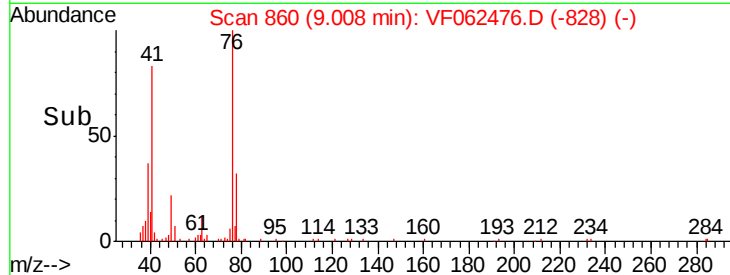
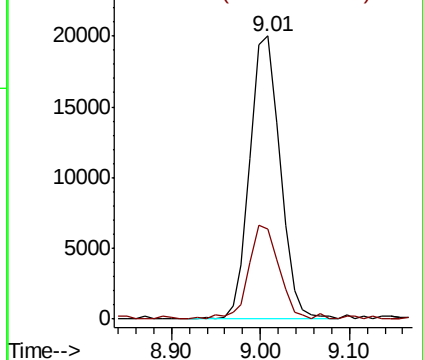
Ion Ratio Lower Upper

76 100

78 33.0 26.4 39.6



Abundance Ion 75.90 (75.60 to 76.60): VF0
Ion 77.90 (77.60 to 78.60): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 94.824 ug/l

RT: 7.46 min Scan# 703

Delta R.T. 0.01 min

Lab File: VF062476.D

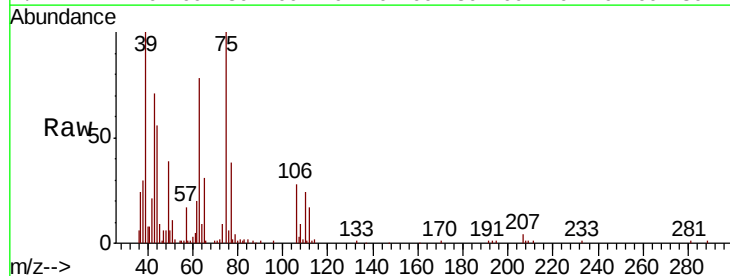
Acq: 12 May 2019 00:07

Tgt Ion: 63 Resp: 42042

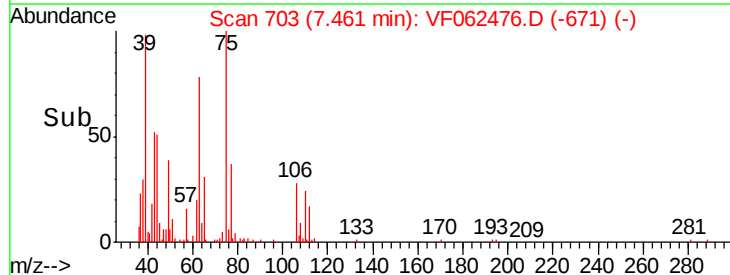
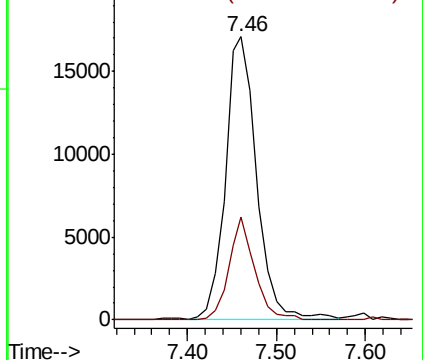
Ion Ratio Lower Upper

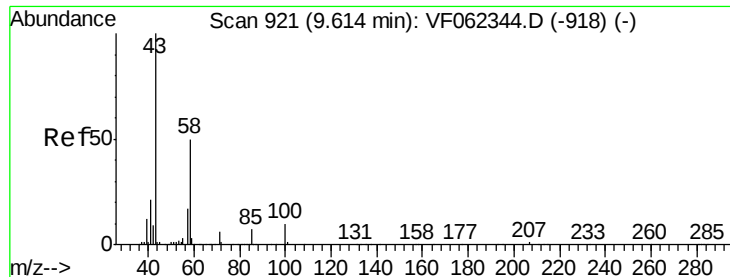
63 100

106 29.8 25.8 38.8



Abundance Ion 62.90 (62.60 to 63.60): VF0
Ion 105.90 (105.60 to 106.60): V

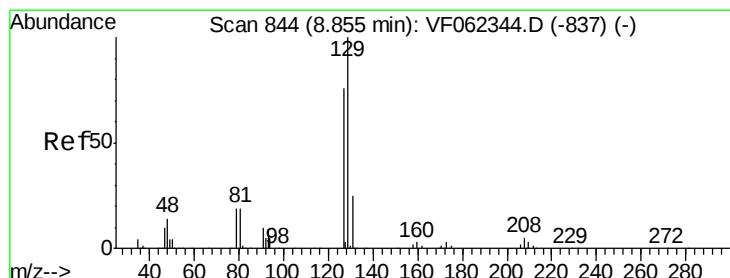
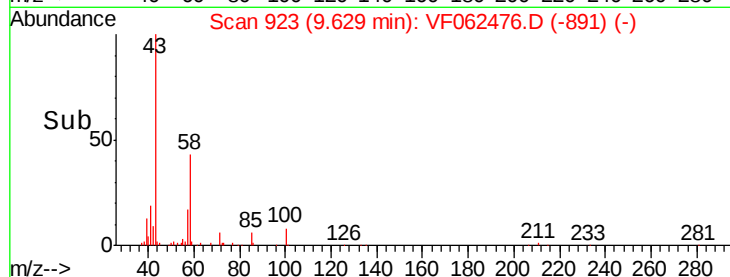
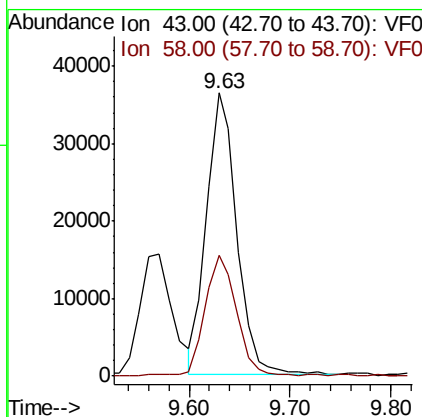
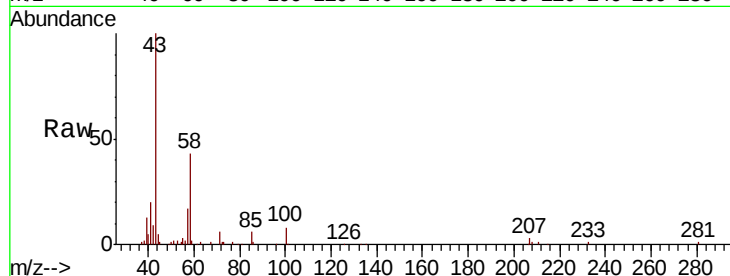




#59
2-Hexanone
Concen: 98.468 ug/l
RT: 9.63 min Scan# 923
Delta R.T. 0.01 min
Lab File: VF062476.D
Acq: 12 May 2019 00:07

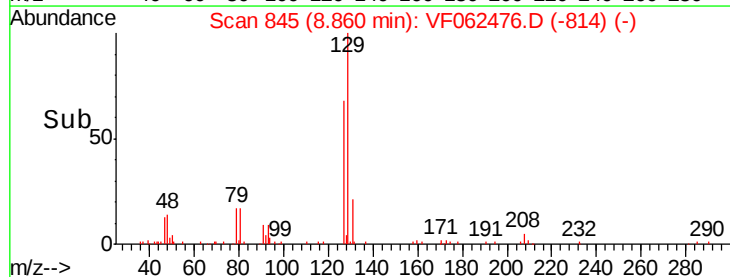
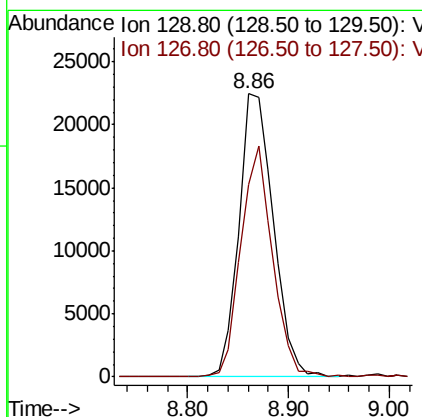
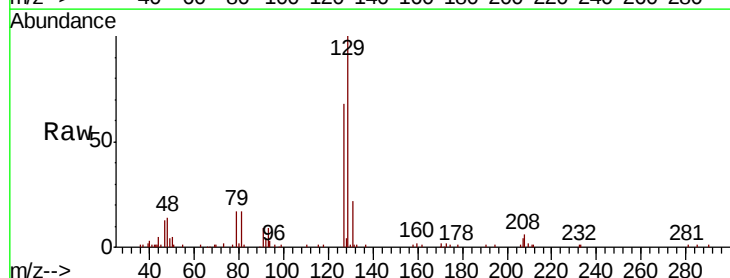
Instrument :
MSVOA_F
ClientSampleId :

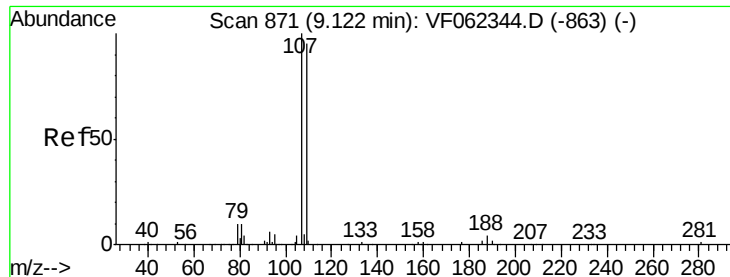
Tot Ion: 43 Resp: 76037
Ion Ratio Lower Upper
43 100
58 45.0 24.3 73.0



#60
Dibromochloromethane
Concen: 23.399 ug/l
RT: 8.86 min Scan# 845
Delta R.T. 0.00 min
Lab File: VF062476.D
Acq: 12 May 2019 00:07

Tgt Ion: 129 Resp: 53465
Ion Ratio Lower Upper
129 100
127 75.0 38.5 115.3





#61

1,2-Dibromoethane

Concen: 22.091 ug/l

RT: 9.14 min Scan# 873

Delta R.T. 0.01 min

Lab File: VF062476.D

Acq: 12 May 2019 00:07

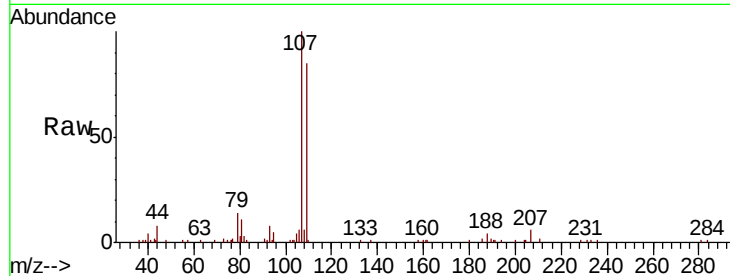
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 107 Resp: 36273

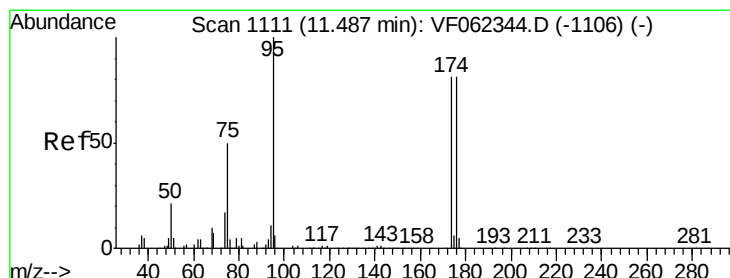
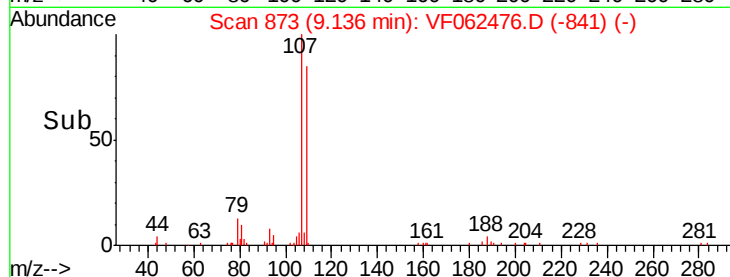
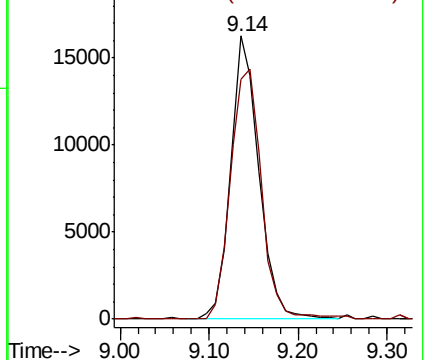
Ion Ratio Lower Upper

107 100

109 97.3 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: 44.969 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. 0.01 min

Lab File: VF062476.D

Acq: 12 May 2019 00:07

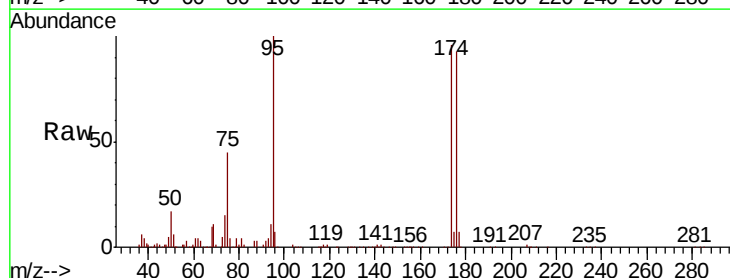
Tgt Ion: 95 Resp: 147551

Ion Ratio Lower Upper

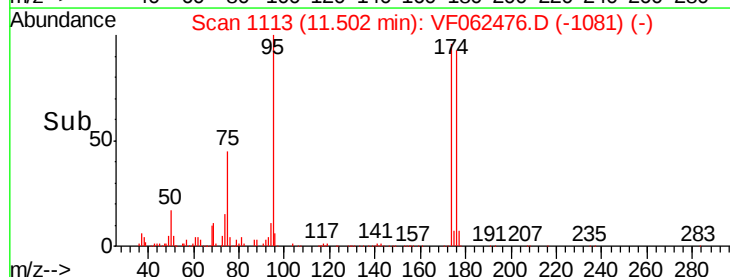
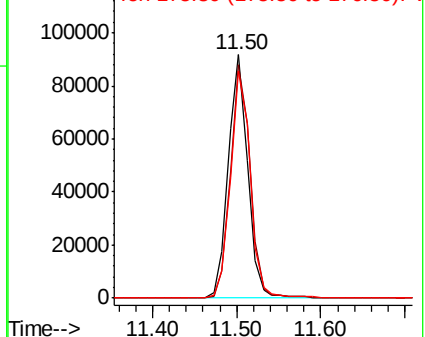
95 100

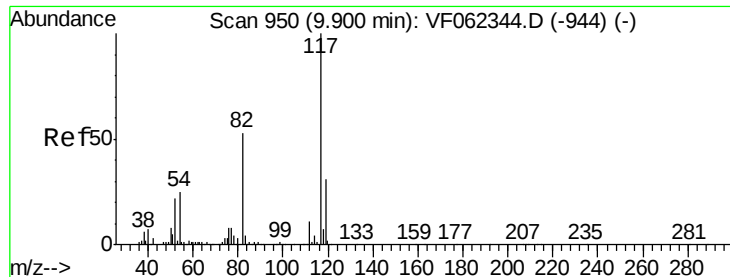
174 96.9 0.0 191.8

176 95.0 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

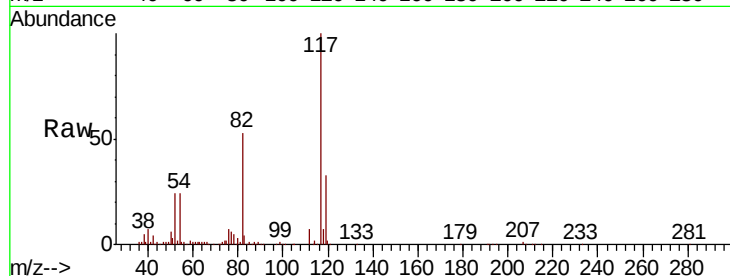




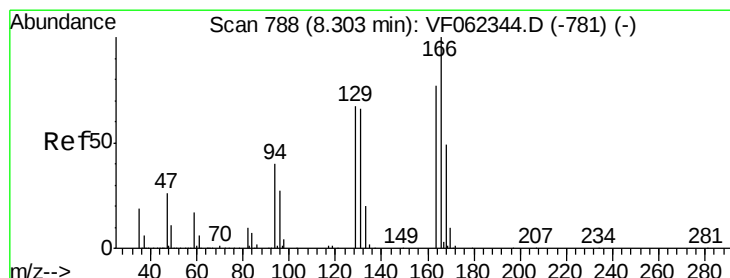
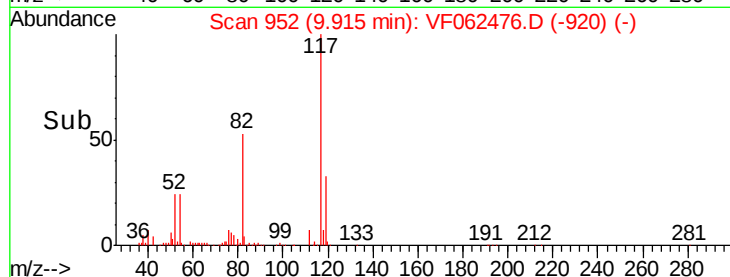
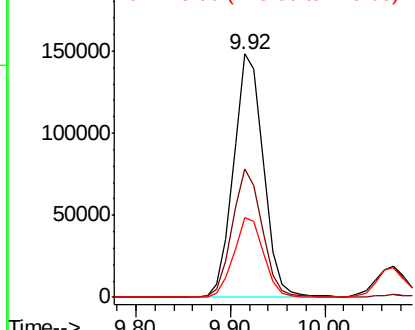
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 952
Delta R.T. 0.01 min
Lab File: VF062476.D
Acq: 12 May 2019 00:07

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:117 Resp: 323764
Ion Ratio Lower Upper
117 100
82 52.7 42.2 63.2
119 32.6 25.0 37.4

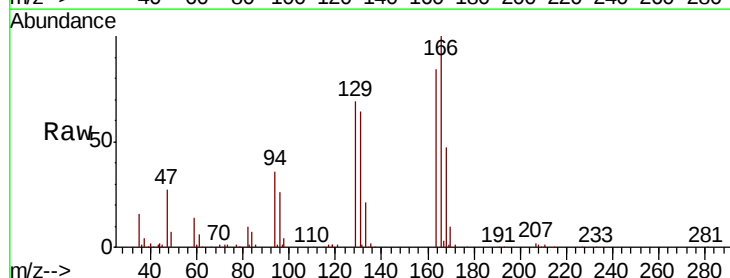


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 118.90 (118.60 to 119.60): V

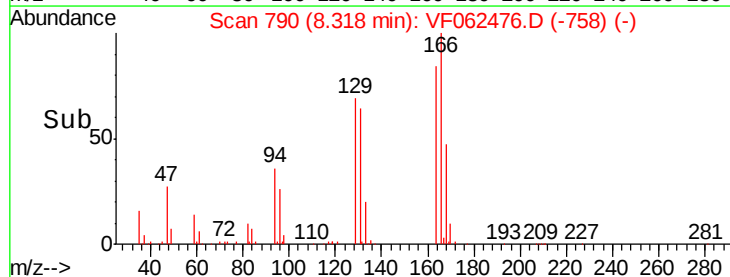
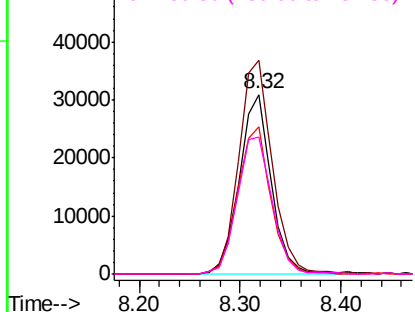


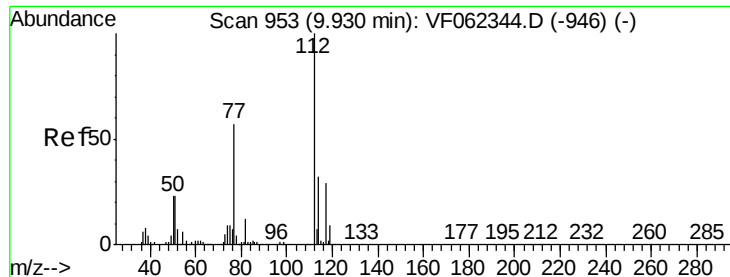
#64
Tetrachloroethene
Concen: 25.787 ug/l
RT: 8.32 min Scan# 790
Delta R.T. 0.01 min
Lab File: VF062476.D
Acq: 12 May 2019 00:07

Tgt Ion:164 Resp: 67780
Ion Ratio Lower Upper
164 100
166 118.9 104.2 156.4
129 81.6 69.6 104.4
131 76.5 68.8 103.2



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 23.431 ug/l

RT: 9.94 min Scan# 955

Delta R.T. 0.01 min

Lab File: VF062476.D

Acq: 12 May 2019 00:07

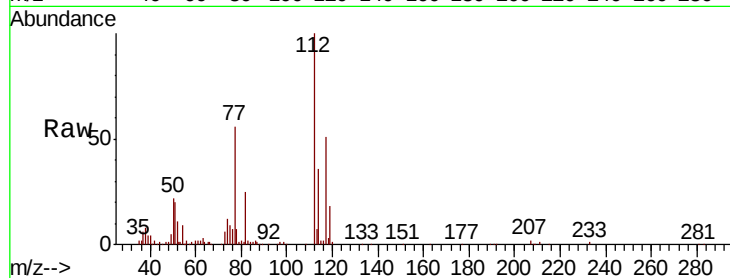
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:112 Resp: 125515

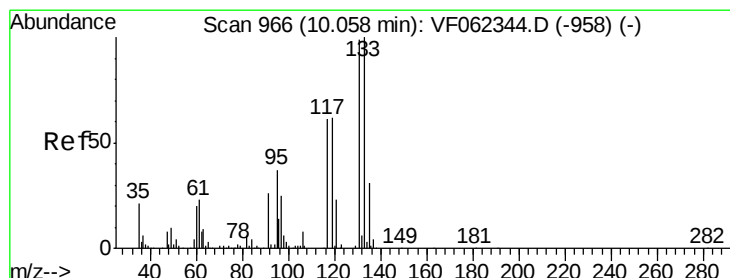
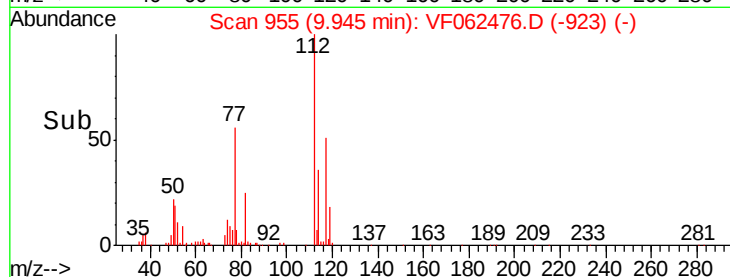
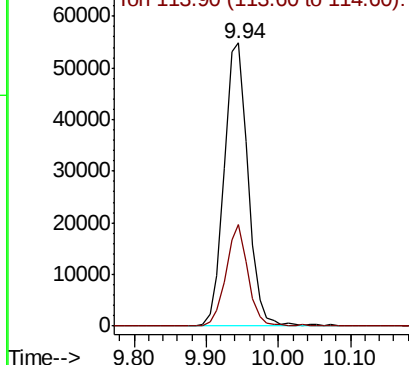
Ion Ratio Lower Upper

112 100

114 35.8 25.4 38.0



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 23.742 ug/l

RT: 10.07 min Scan# 968

Delta R.T. 0.01 min

Lab File: VF062476.D

Acq: 12 May 2019 00:07

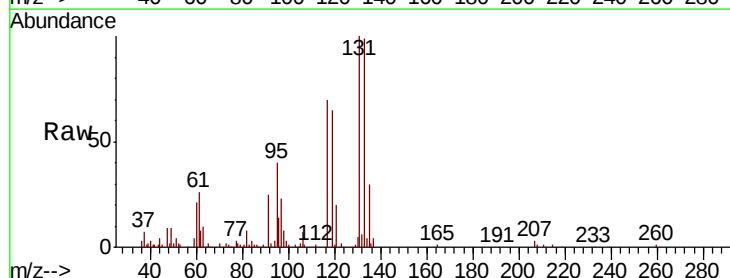
Tgt Ion:131 Resp: 64161

Ion Ratio Lower Upper

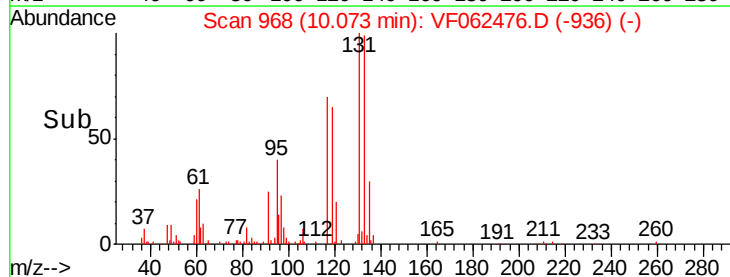
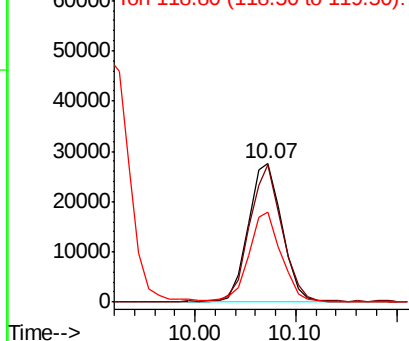
131 100

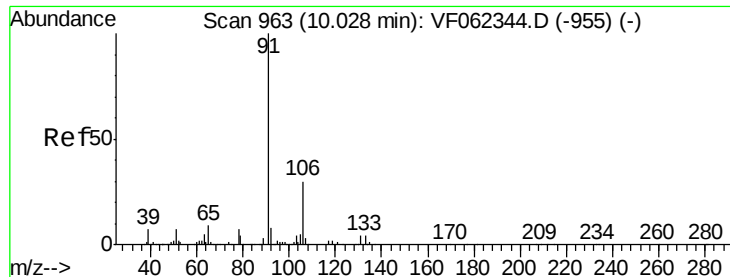
133 97.5 50.2 150.7

119 61.1 31.6 95.0



Abundance Ion 130.80 (130.50 to 131.50): V
Ion 132.80 (132.50 to 133.50): V
Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 23.472 ug/l

RT: 10.04 min Scan# 965

Delta R.T. 0.01 min

Lab File: VF062476.D

Acq: 12 May 2019 00:07

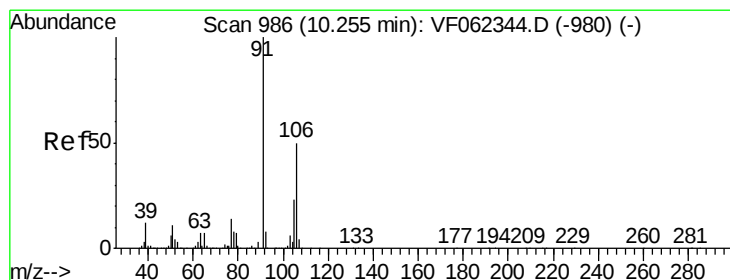
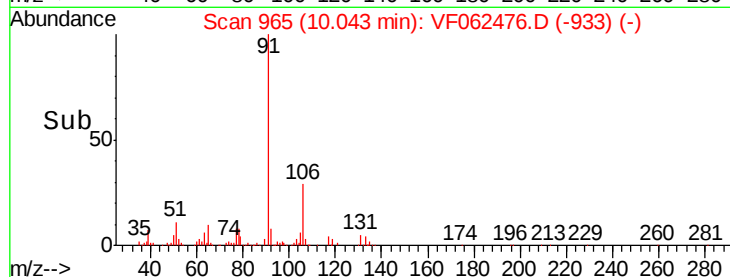
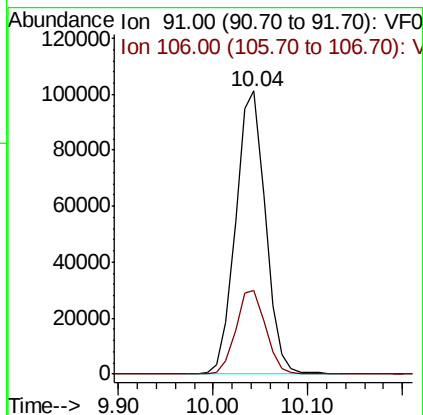
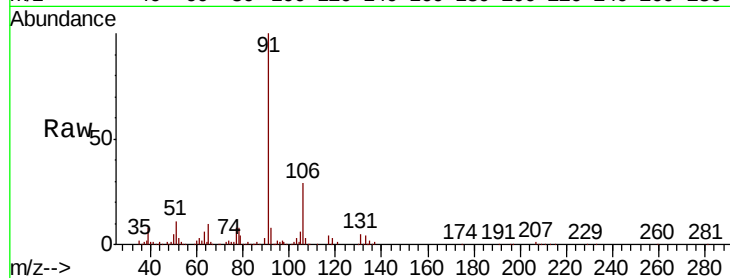
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 91 Resp: 220174

Ion Ratio Lower Upper

91 100

106 29.4 24.1 36.1



#68

m/p-Xylenes

Concen: 45.742 ug/l

RT: 10.27 min Scan# 988

Delta R.T. 0.01 min

Lab File: VF062476.D

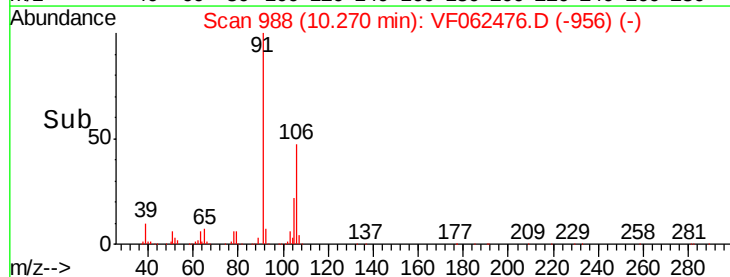
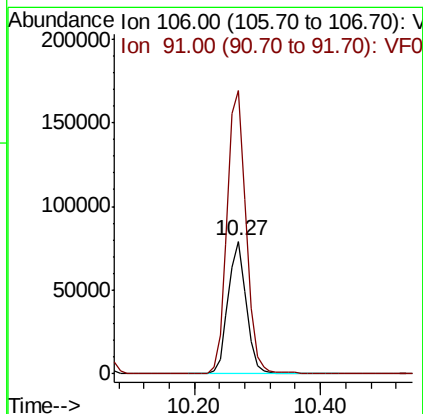
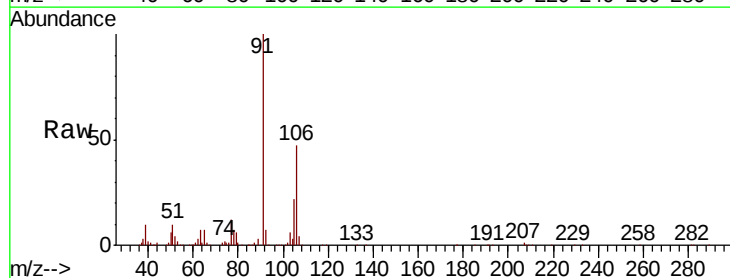
Acq: 12 May 2019 00:07

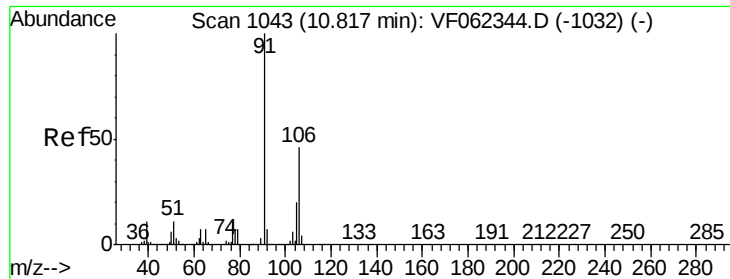
Tgt Ion: 106 Resp: 158315

Ion Ratio Lower Upper

106 100

91 223.2 167.4 251.2

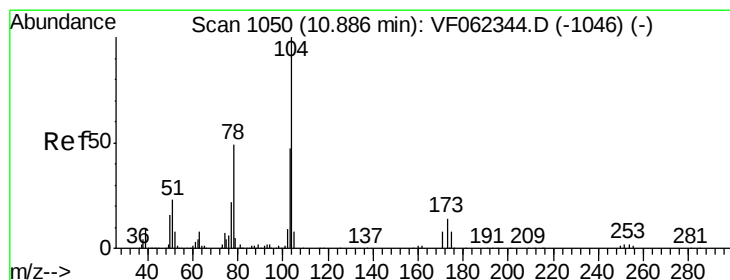
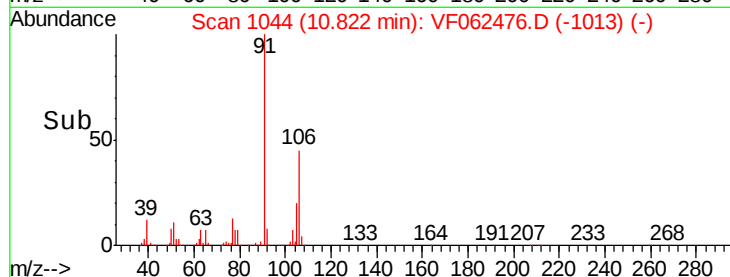
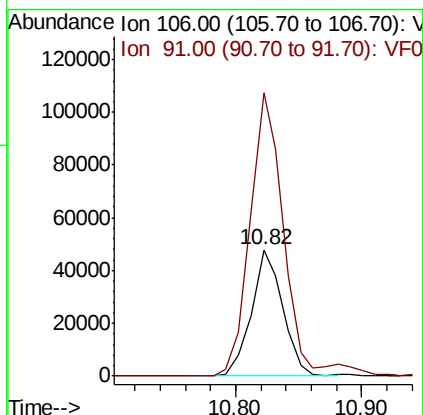
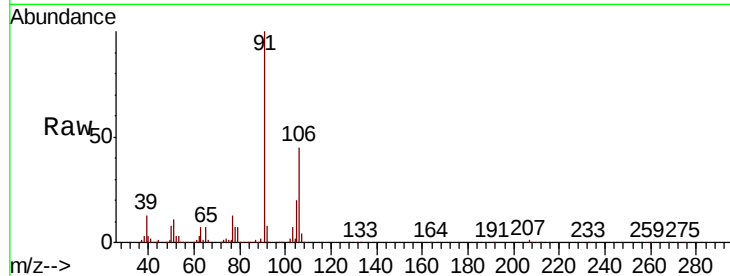




#69
o-Xylene
Concen: 22.250 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. 0.00 min
Lab File: VF062476.D
Acq: 12 May 2019 00:07

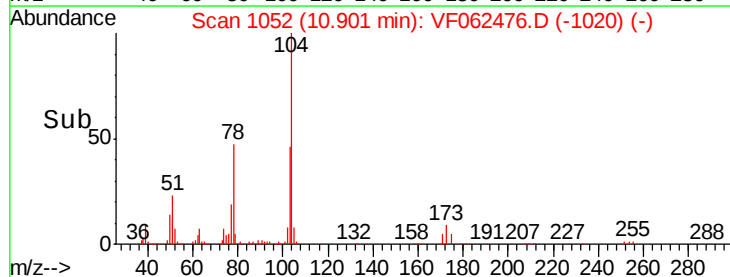
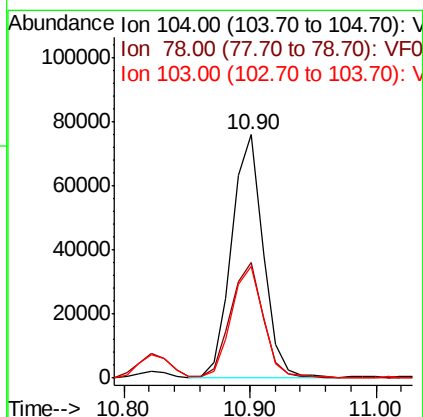
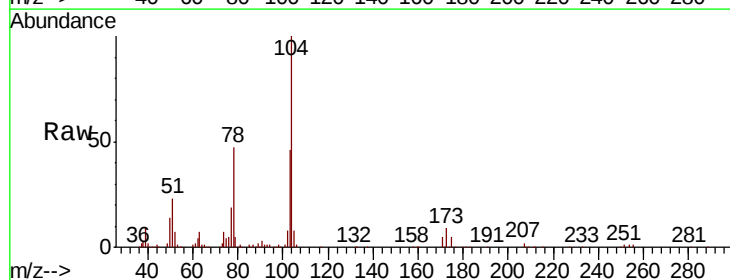
Instrument :
MSVOA_F
ClientSampled :

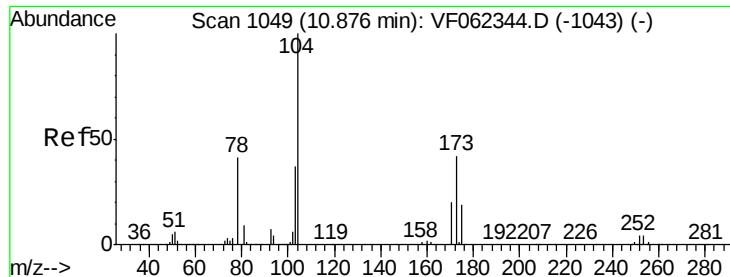
Tot Ion:106 Resp: 83211
Ion Ratio Lower Upper
106 100
91 233.1 111.3 333.8



#70
Styrene
Concen: 23.303 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. 0.01 min
Lab File: VF062476.D
Acq: 12 May 2019 00:07

Tgt Ion:104 Resp: 130614
Ion Ratio Lower Upper
104 100
78 48.6 39.5 59.3
103 47.8 38.4 57.6

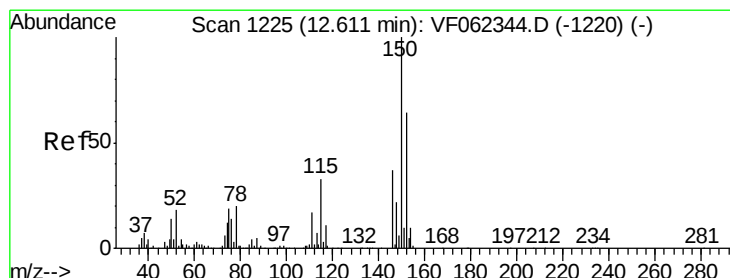
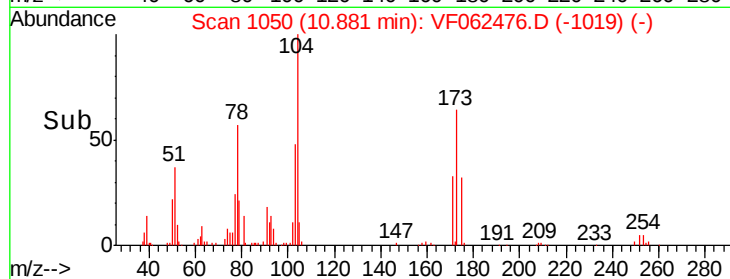
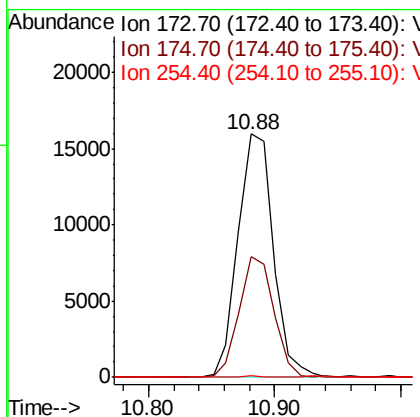
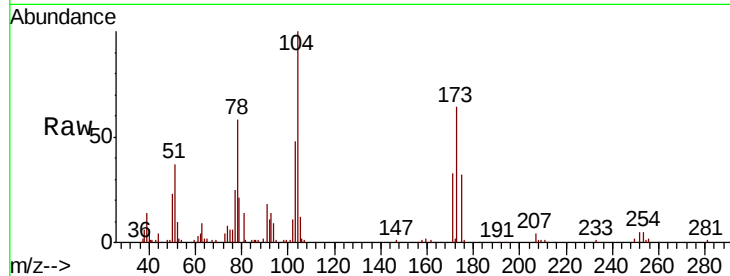




#71
Bromoform
Concen: 20.948 ug/l
RT: 10.88 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VF062476.D
Acq: 12 May 2019 00:07

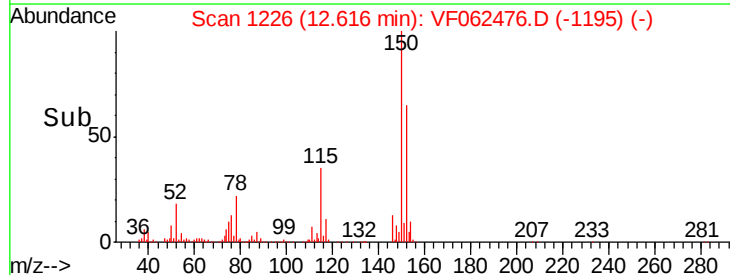
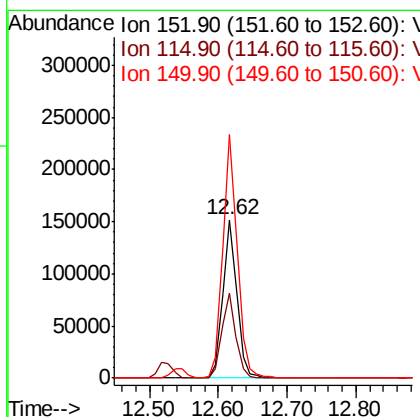
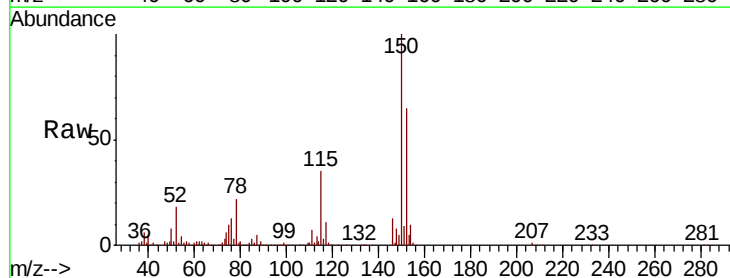
Instrument :
MSVOA_F
ClientSampleId :

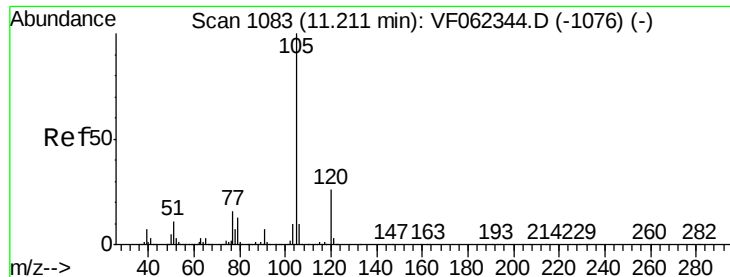
Tot Ion:173 Resp: 31014
Ion Ratio Lower Upper
173 100
175 48.7 23.8 71.2
254 0.2 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.62 min Scan# 1226
Delta R.T. 0.00 min
Lab File: VF062476.D
Acq: 12 May 2019 00:07

Tgt Ion:152 Resp: 217501
Ion Ratio Lower Upper
152 100
115 53.9 26.4 79.2
150 158.9 0.0 335.0





#73

Isopropylbenzene

Concen: 21.120 ug/l

RT: 11.22 min Scan# 1084

Delta R.T. 0.00 min

Lab File: VF062476.D

Acq: 12 May 2019 00:07

Instrument :

MSVOA_F

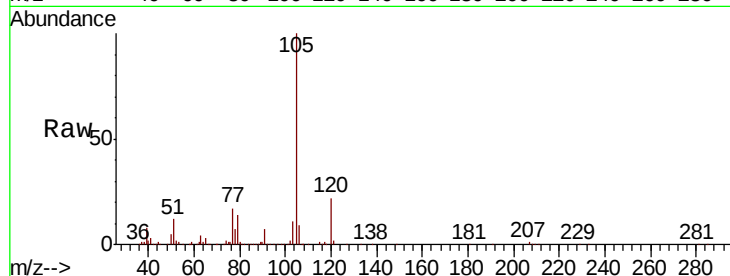
ClientSampleId :

Tot Ion:105 Resp: 272327

Ion Ratio Lower Upper

105 100

120 25.0 12.7 38.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.22

150000

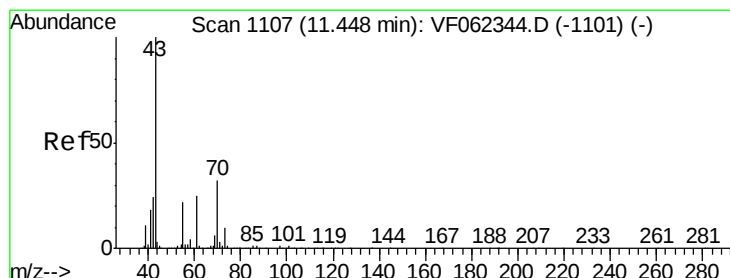
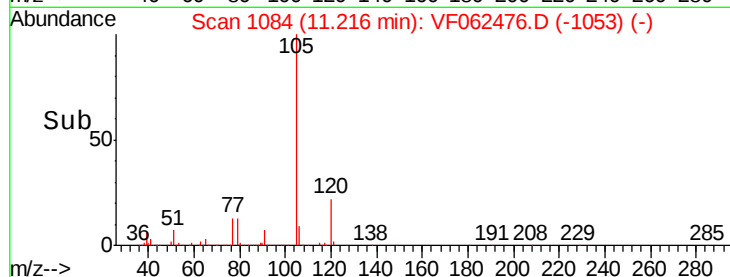
100000

50000

0

Time-->

11.20 11.40



#74

N-ethyl acetate

Concen: 18.904 ug/l

RT: 11.45 min Scan# 1108

Delta R.T. 0.00 min

Lab File: VF062476.D

Acq: 12 May 2019 00:07

Tgt Ion: 43 Resp: 52332

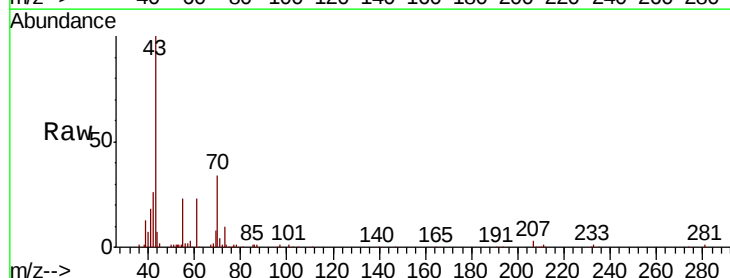
Ion Ratio Lower Upper

43 100

70 35.2 26.5 39.7

55 24.2 17.8 26.6

61 23.0 20.2 30.2



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

50000

40000

30000

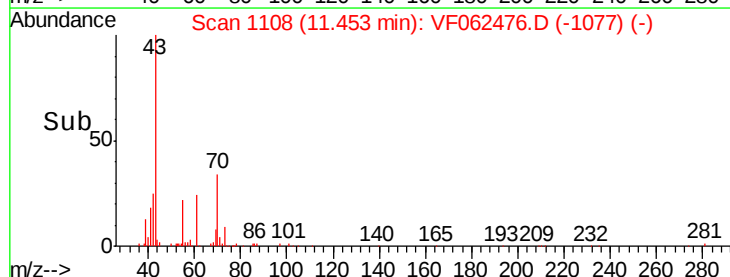
20000

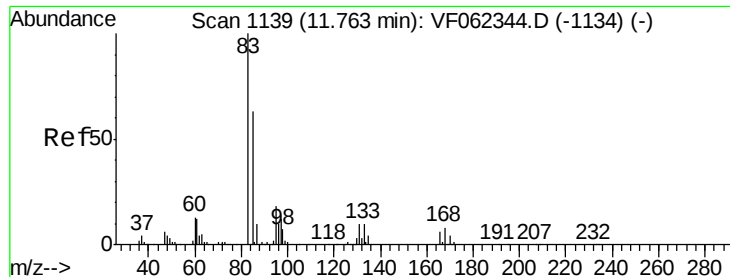
10000

0

Time-->

11.40 11.50 11.60





#75

1,1,2,2-Tetrachloroethane

Concen: 20.516 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. 0.01 min

Lab File: VF062476.D

Acq: 12 May 2019 00:07

Instrument :

MSVOA_F

ClientSampleId :

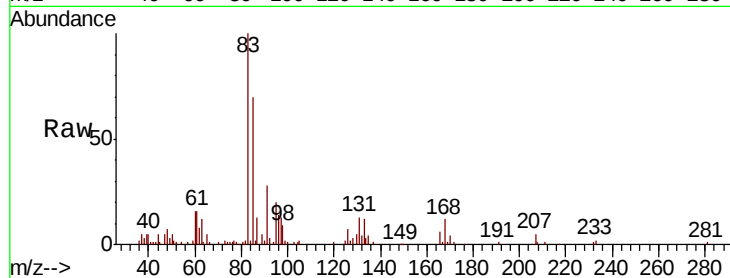
Tot Ion: 83 Resp: 41421

Ion Ratio Lower Upper

83 100

131 12.3 5.8 17.4

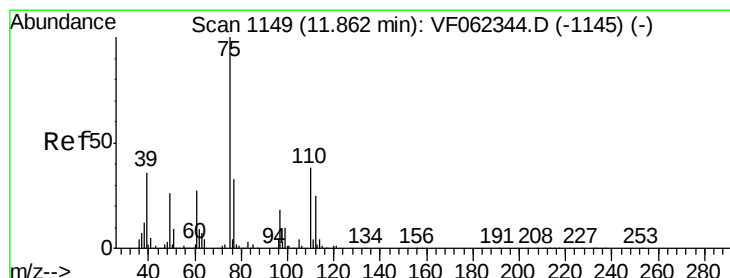
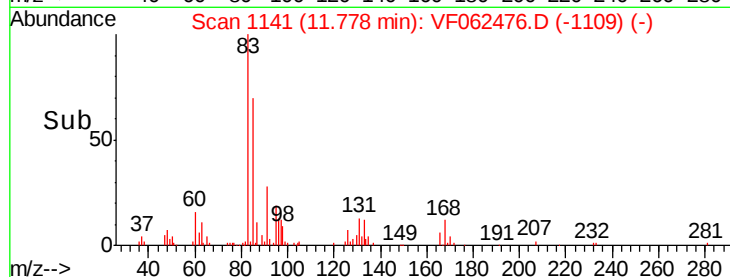
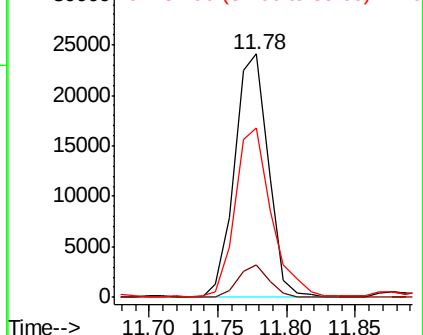
85 75.4 35.3 105.7



Abundance Ion 82.90 (82.60 to 83.60): VF0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VF0



#76

1,2,3-Trichloropropane

Concen: 21.576 ug/l

RT: 11.88 min Scan# 1151

Delta R.T. 0.01 min

Lab File: VF062476.D

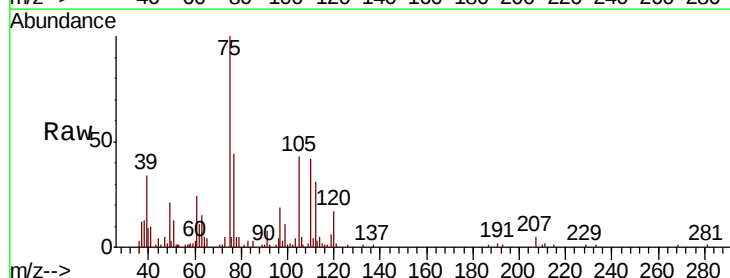
Acq: 12 May 2019 00:07

Tgt Ion: 75 Resp: 33234

Ion Ratio Lower Upper

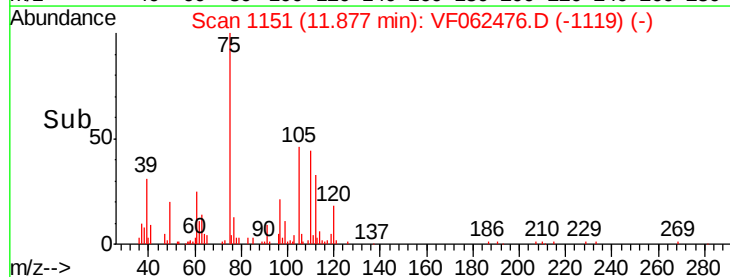
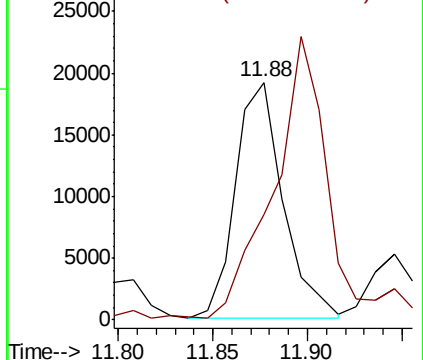
75 100

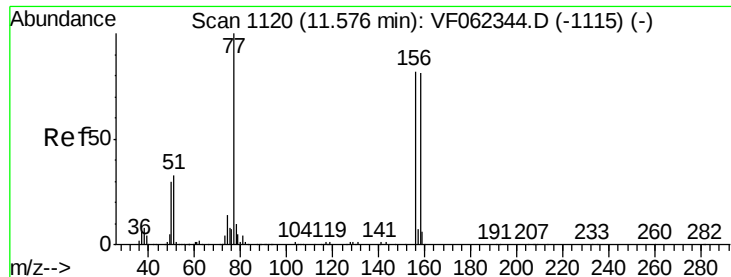
77 141.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 22.304 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. 0.01 min

Lab File: VF062476.D

Acq: 12 May 2019 00:07

Instrument :

MSVOA_F

ClientSampleId :

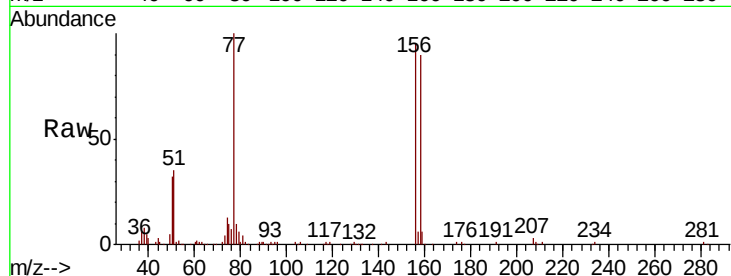
Tot Ion:156 Resp: 75478

Ion Ratio Lower Upper

156 100

77 124.2 64.8 194.3

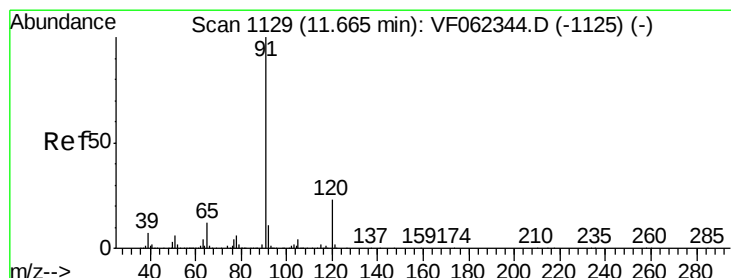
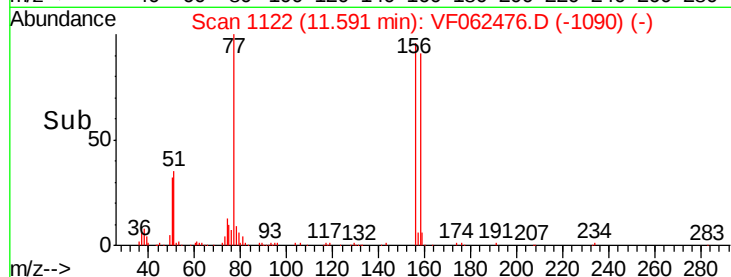
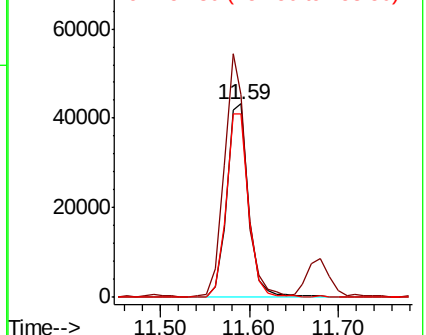
158 96.2 49.1 147.3



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: 21.366 ug/l

RT: 11.68 min Scan# 1131

Delta R.T. 0.01 min

Lab File: VF062476.D

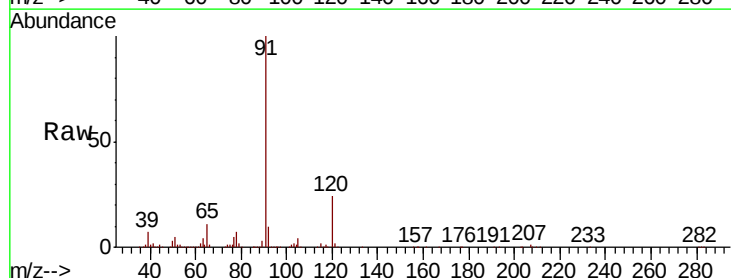
Acq: 12 May 2019 00:07

Tgt Ion: 91 Resp: 293316

Ion Ratio Lower Upper

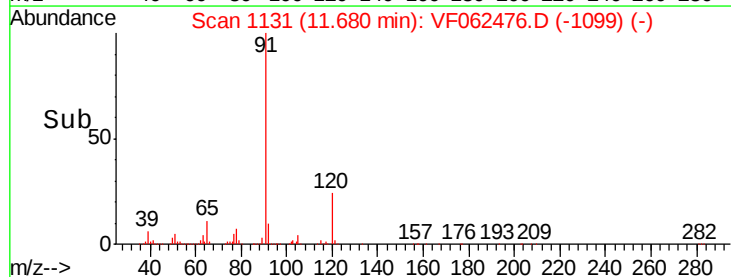
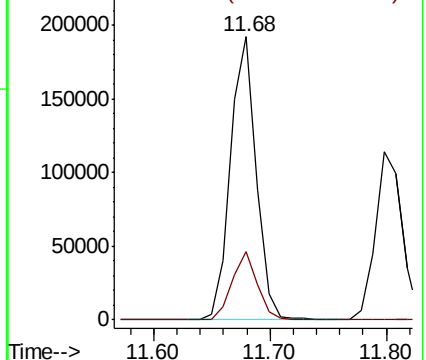
91 100

120 23.6 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

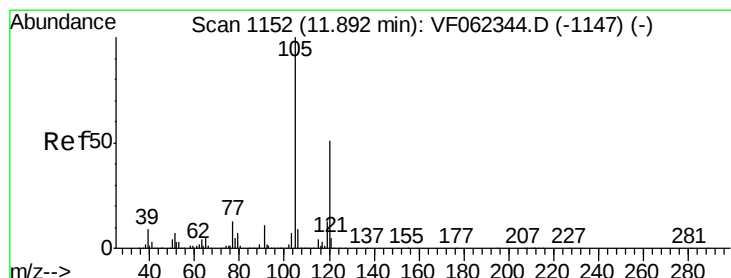
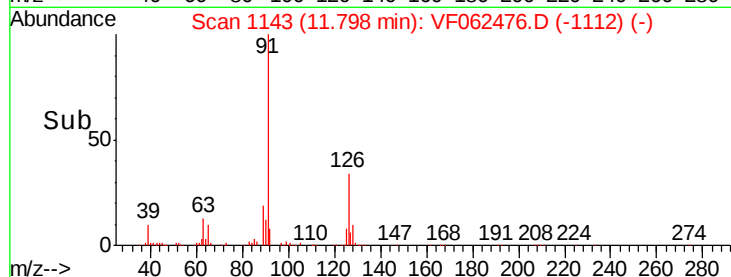
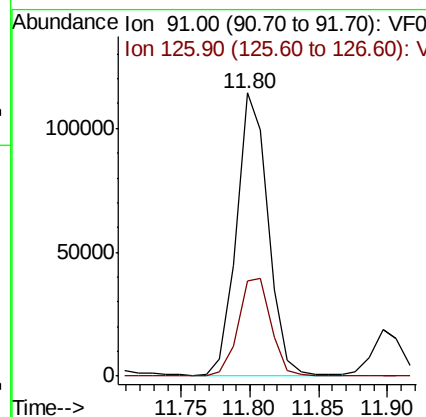
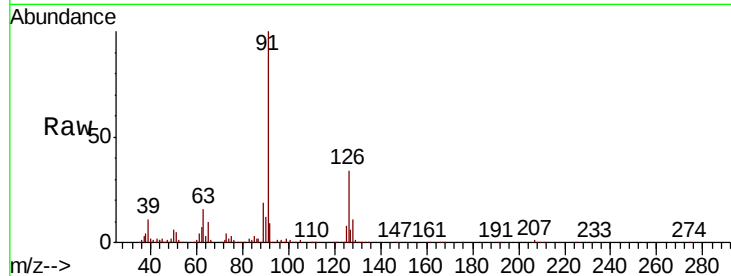




#79
 2-Chlorotoluene
 Concen: 21.271 ug/l
 RT: 11.80 min Scan# 1143
 Delta R.T. 0.00 min
 Lab File: VF062476.D
 Acq: 12 May 2019 00:07

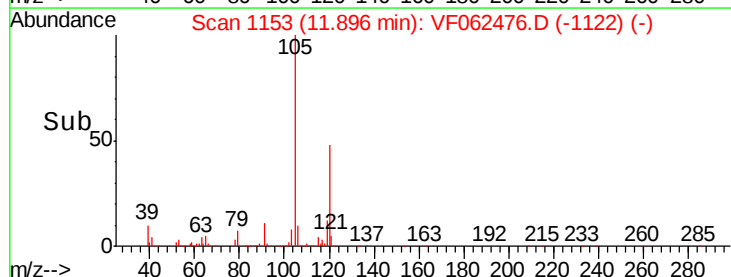
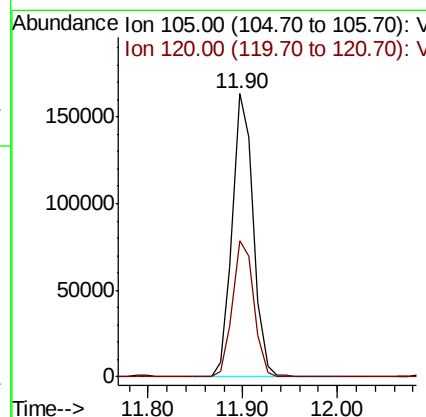
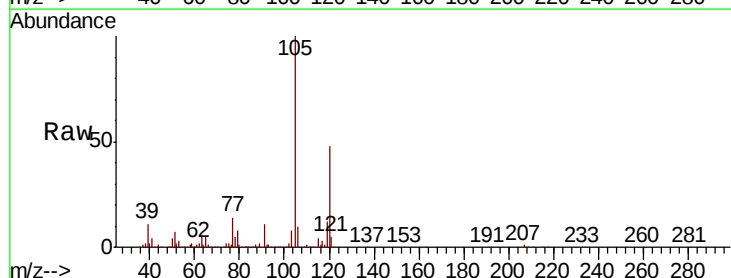
Instrument :
 MSVOA_F
 ClientSampled :

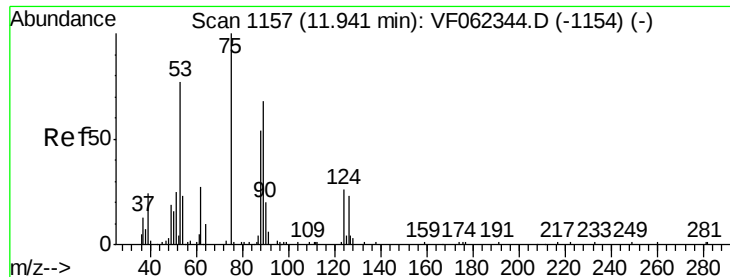
Tot Ion: 91 Resp: 181572
 Ion Ratio Lower Upper
 91 100
 126 36.1 17.8 53.4



#80
 1,3,5-Trimethylbenzene
 Concen: 22.363 ug/l
 RT: 11.90 min Scan# 1153
 Delta R.T. 0.00 min
 Lab File: VF062476.D
 Acq: 12 May 2019 00:07

Tgt Ion:105 Resp: 252738
 Ion Ratio Lower Upper
 105 100
 120 48.8 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 24.838 ug/l

RT: 11.95 min Scan# 1158

Delta R.T. 0.00 min

Lab File: VF062476.D

Acq: 12 May 2019 00:07

Instrument :

MSVOA_F

ClientSampleId :

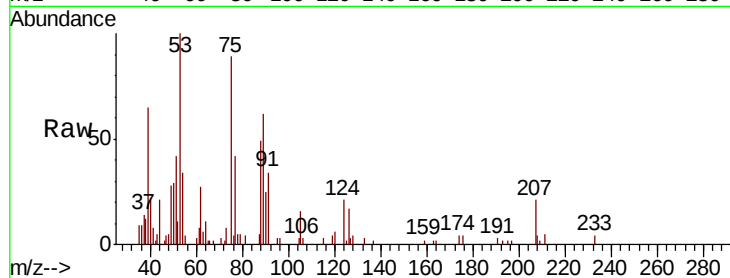
Tot Ion: 75 Resp: 14381

Ion Ratio Lower Upper

75 100

53 73.3 71.9 107.9

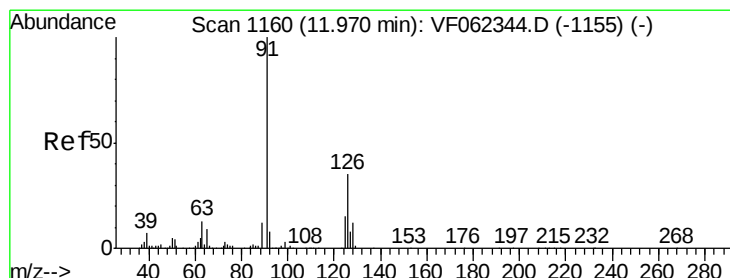
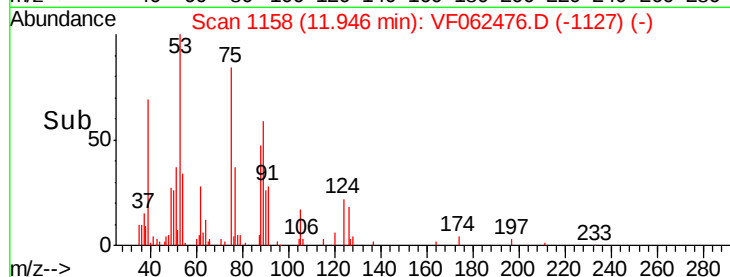
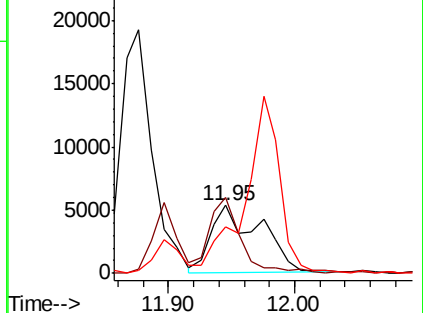
89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 88.90 (88.60 to 89.60): VF0



#82

4-Chlorotoluene

Concen: 21.701 ug/l

RT: 11.98 min Scan# 1161

Delta R.T. 0.00 min

Lab File: VF062476.D

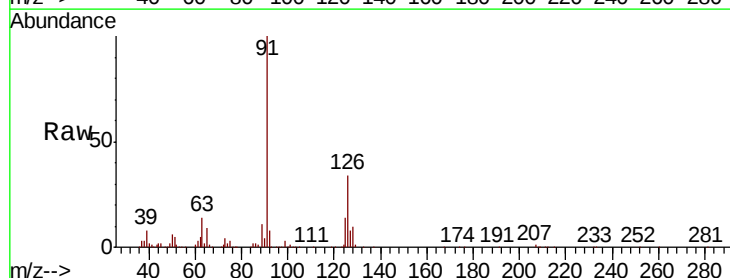
Acq: 12 May 2019 00:07

Tgt Ion: 91 Resp: 182961

Ion Ratio Lower Upper

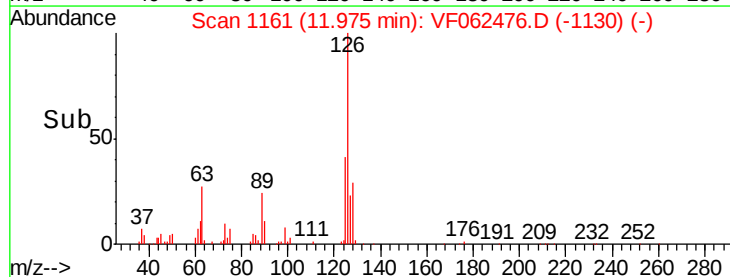
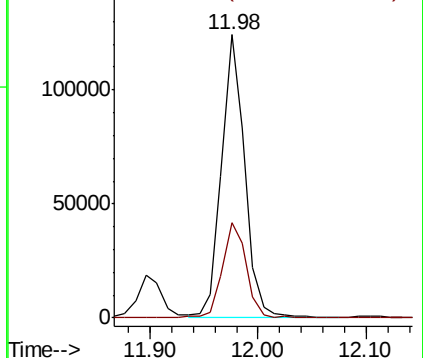
91 100

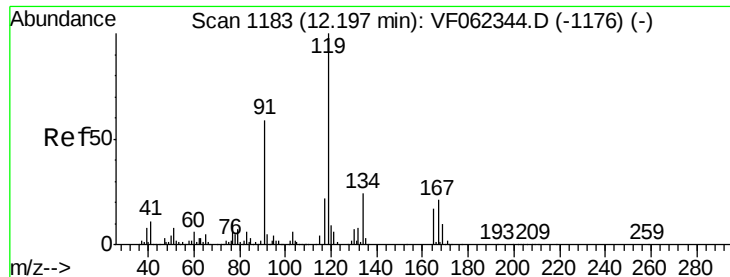
126 35.7 17.7 53.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 125.90 (125.60 to 126.60): V

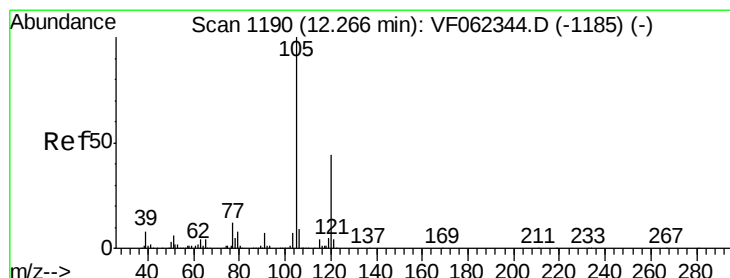
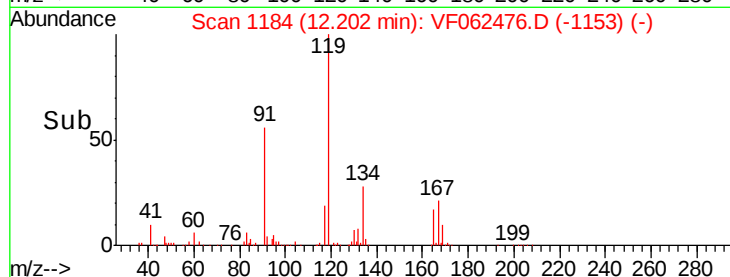
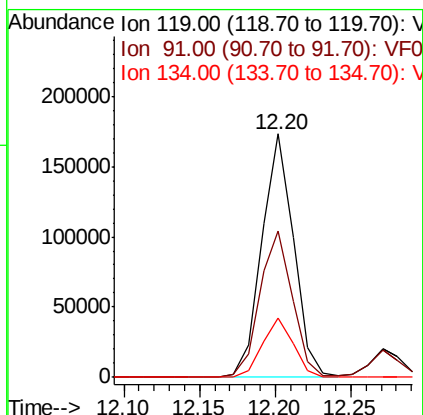
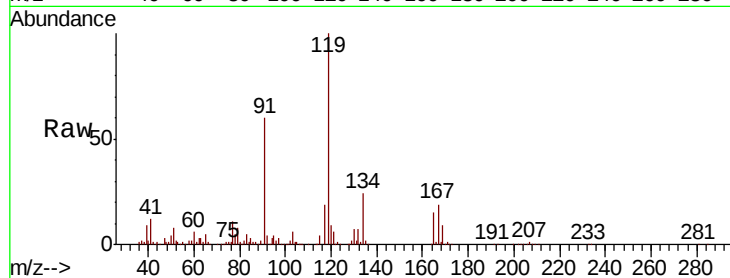




#83
tert-Butylbenzene
Concen: 21.568 ug/l
RT: 12.20 min Scan# 1184
Delta R.T. 0.00 min
Lab File: VF062476.D
Acq: 12 May 2019 00:07

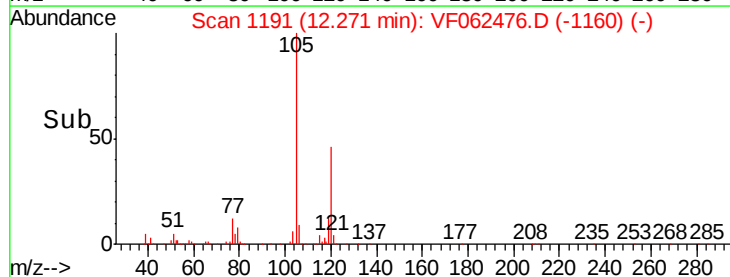
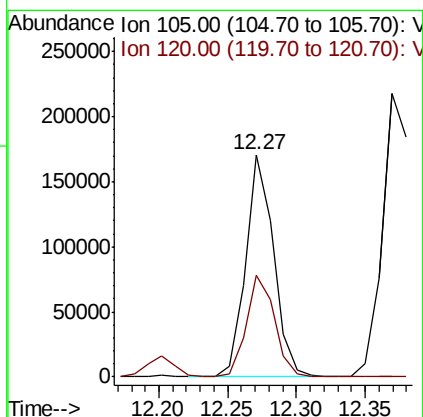
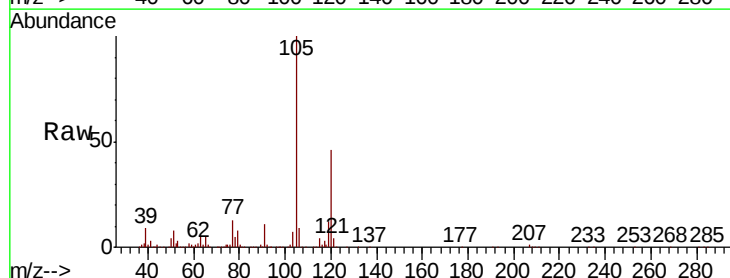
Instrument :
MSVOA_F
ClientSampleId :

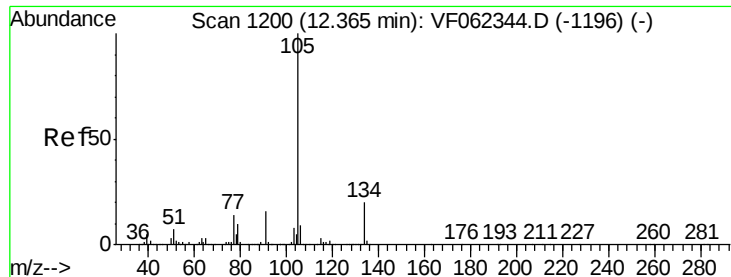
Tot Ion:119 Resp: 256172
Ion Ratio Lower Upper
119 100
91 60.9 30.4 91.3
134 24.0 11.9 35.7



#84
1,2,4-Trimethylbenzene
Concen: 21.954 ug/l
RT: 12.27 min Scan# 1191
Delta R.T. 0.00 min
Lab File: VF062476.D
Acq: 12 May 2019 00:07

Tgt Ion:105 Resp: 242816
Ion Ratio Lower Upper
105 100
120 45.7 22.6 67.7





#85

sec-Butylbenzene

Concen: 22.333 ug/l

RT: 12.37 min Scan# 1201

Delta R.T. 0.00 min

Lab File: VF062476.D

Acq: 12 May 2019 00:07

Instrument :

MSVOA_F

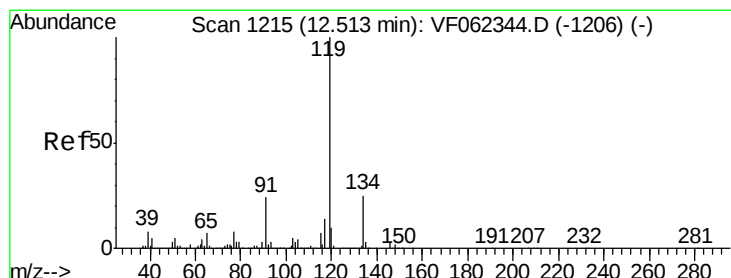
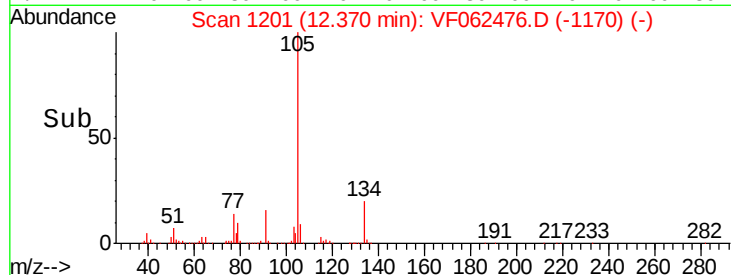
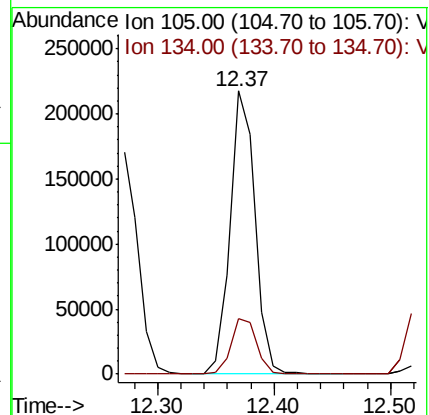
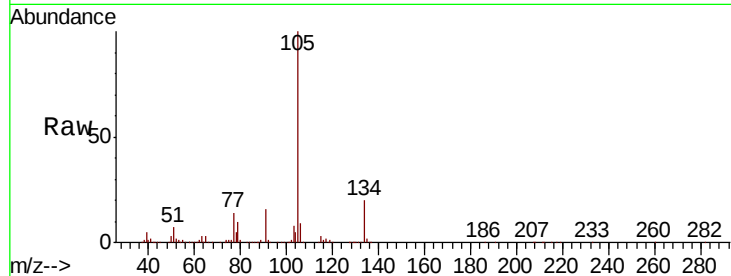
ClientSampleId :

Tot Ion:105 Resp: 322868

Ion Ratio Lower Upper

105 100

134 20.2 9.8 29.5



#86

p-Isopropyltoluene

Concen: 22.563 ug/l

RT: 12.53 min Scan# 1217

Delta R.T. 0.01 min

Lab File: VF062476.D

Acq: 12 May 2019 00:07

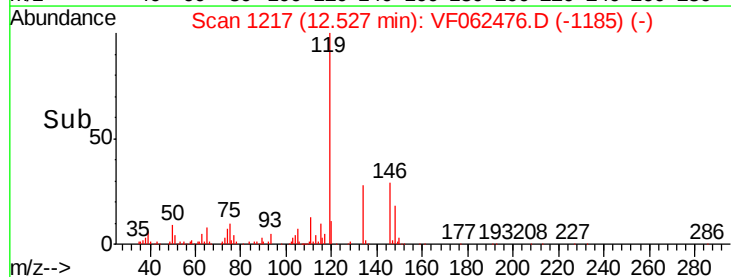
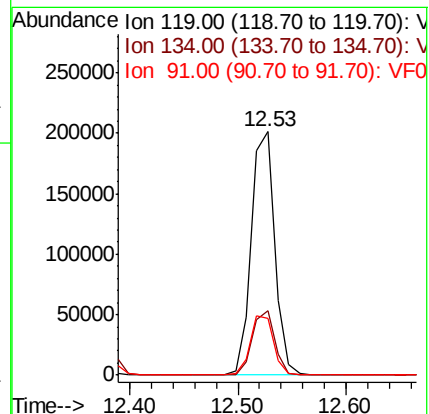
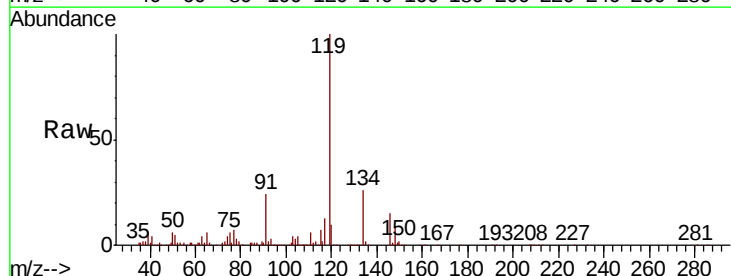
Tgt Ion:119 Resp: 303069

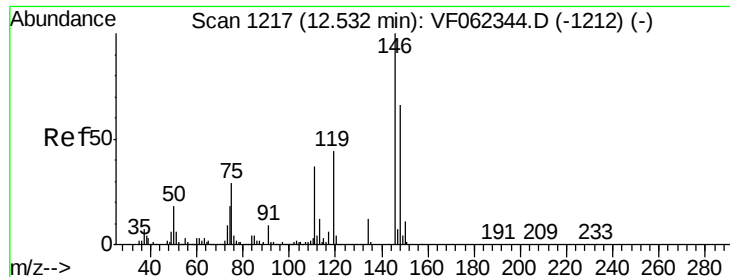
Ion Ratio Lower Upper

119 100

134 25.7 12.9 38.7

91 24.7 12.3 36.8

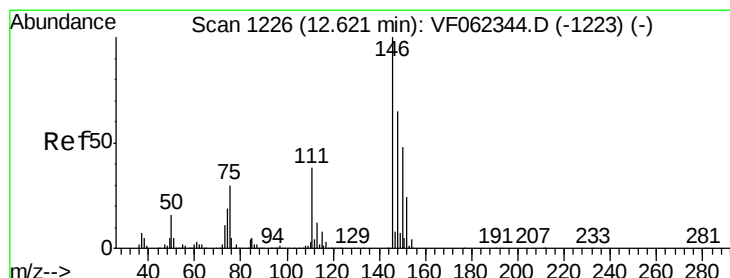
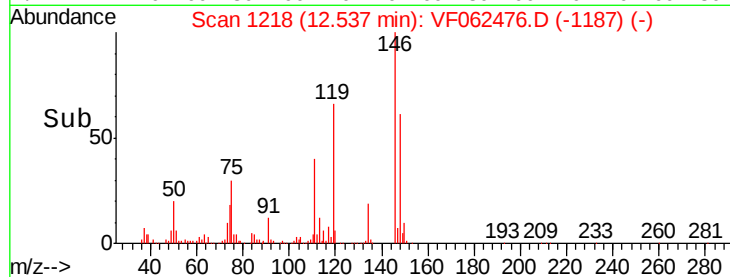
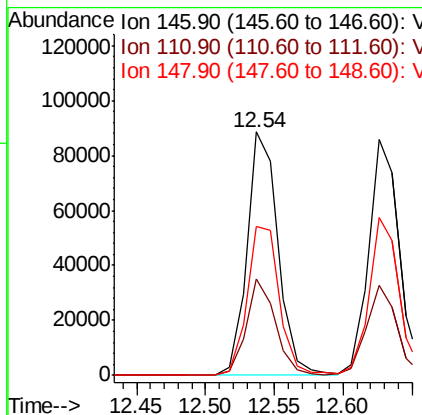
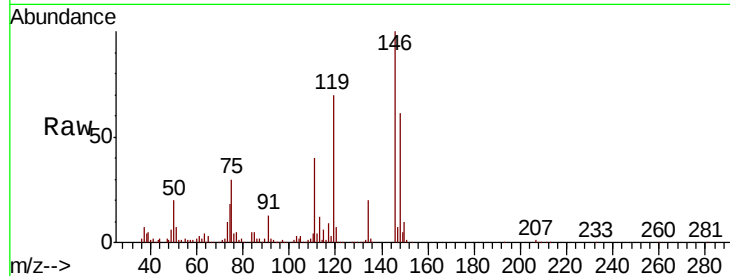




#87
 1,3-Dichlorobenzene
 Concen: 22.567 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. 0.00 min
 Lab File: VF062476.D
 Acq: 12 May 2019 00:07

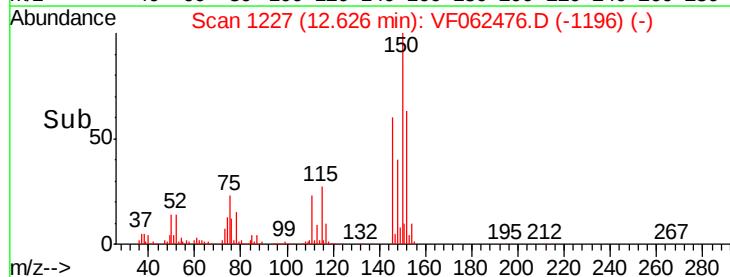
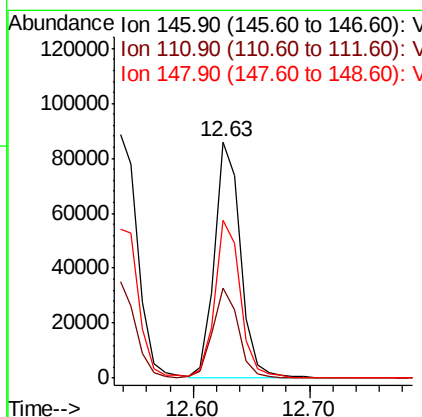
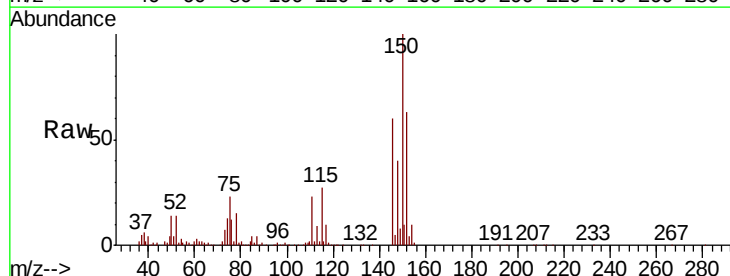
Instrument :
 MSVOA_F
 ClientSampleId :

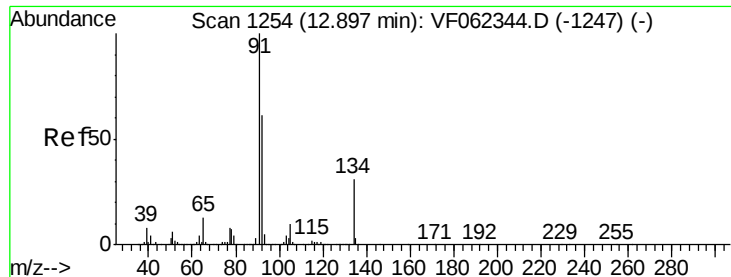
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.3	18.3	54.8
148	63.7	32.3	96.9



#88
 1,4-Dichlorobenzene
 Concen: 22.193 ug/l
 RT: 12.63 min Scan# 1227
 Delta R.T. 0.00 min
 Lab File: VF062476.D
 Acq: 12 May 2019 00:07

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.4	18.8	56.3
148	65.8	32.2	96.6





#89

n-Butylbenzene

Concen: 22.891 ug/l

RT: 12.90 min Scan# 1255

Delta R.T. 0.00 min

Lab File: VF062476.D

Acq: 12 May 2019 00:07

Instrument :

MSVOA_F

ClientSampleId :

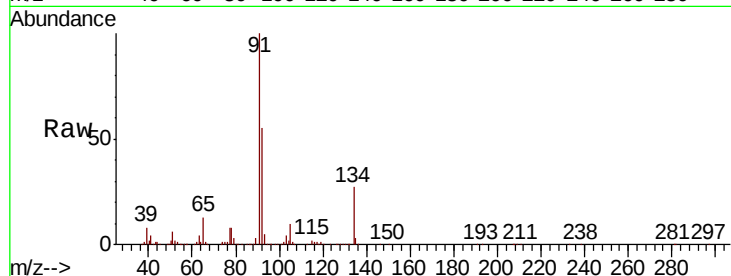
Tot Ion: 91 Resp: 273550

Ion Ratio Lower Upper

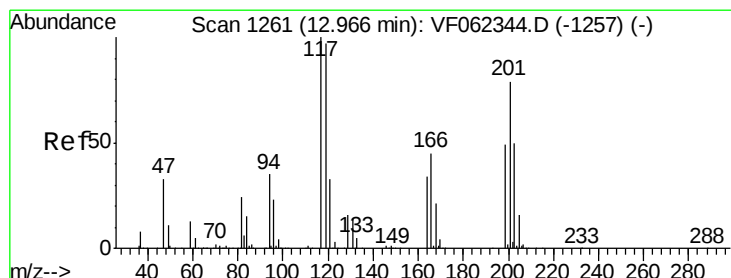
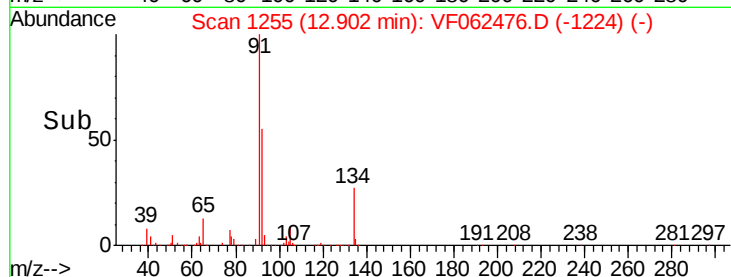
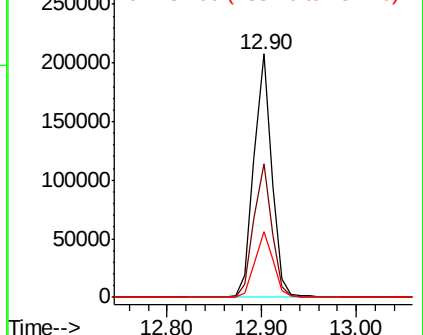
91 100

92 56.0 30.0 90.0

134 27.4 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: 21.439 ug/l

RT: 12.98 min Scan# 1263

Delta R.T. 0.01 min

Lab File: VF062476.D

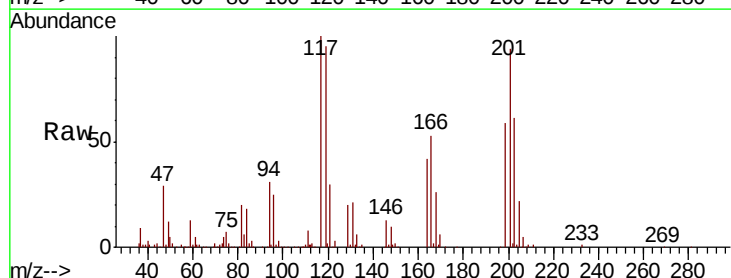
Acq: 12 May 2019 00:07

Tgt Ion: 117 Resp: 71901

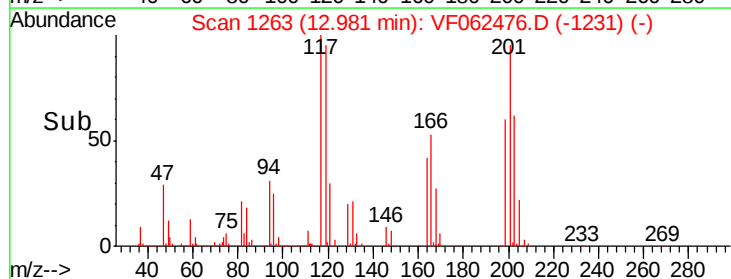
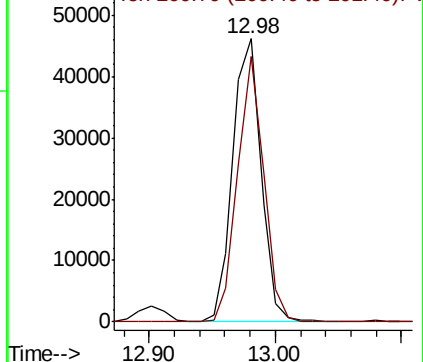
Ion Ratio Lower Upper

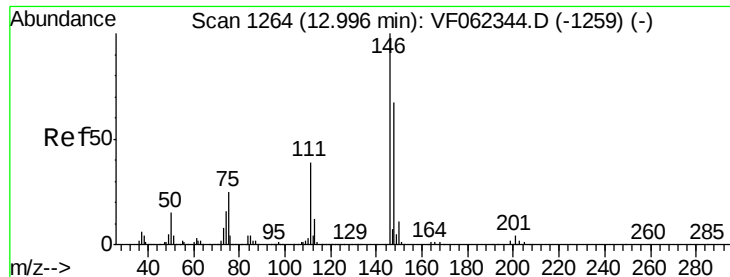
117 100

201 86.7 46.2 138.5



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V

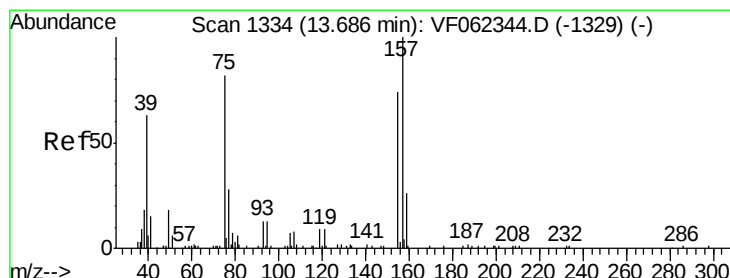
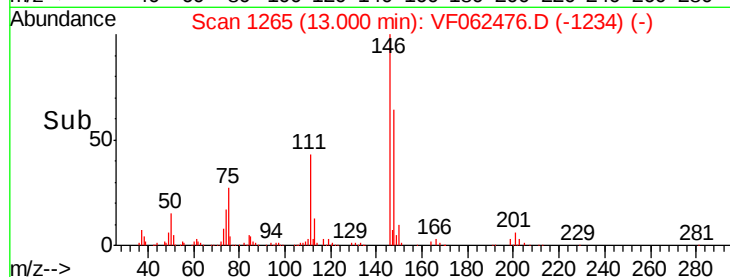
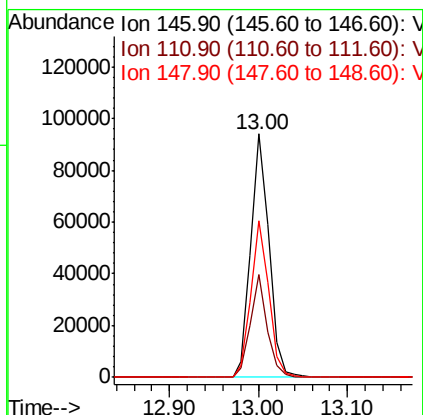
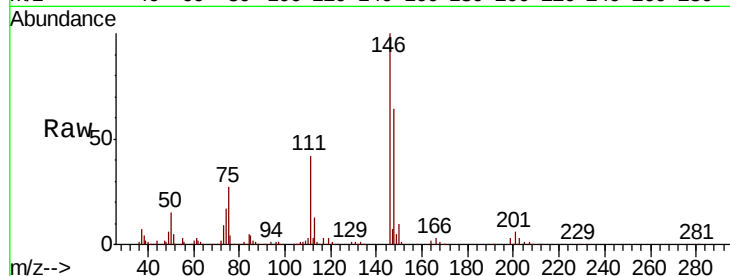




#91
 1,2-Dichlorobenzene
 Concen: 22.322 ug/l
 RT: 13.00 min Scan# 1265
 Delta R.T. 0.00 min
 Lab File: VF062476.D
 Acq: 12 May 2019 00:07

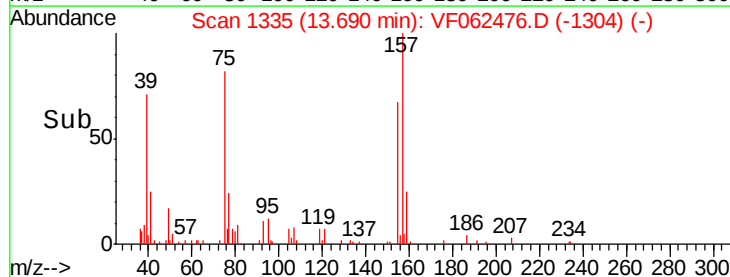
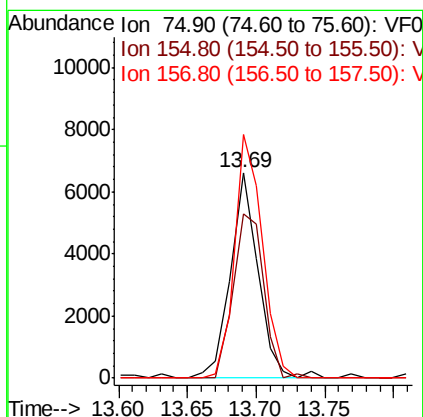
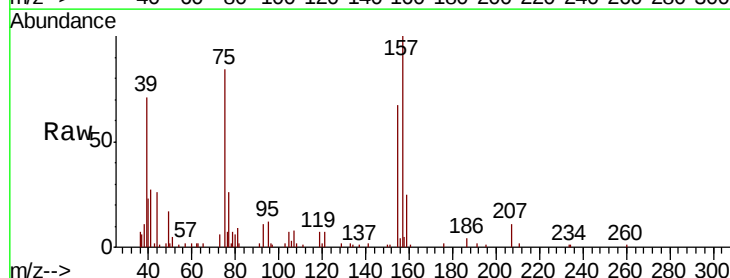
Instrument :
 MSVOA_F
 ClientSampleId :

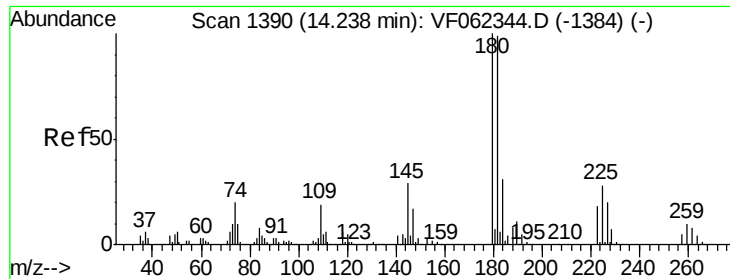
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	20.0	60.0
148	63.1	33.1	99.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.553 ug/l
 RT: 13.69 min Scan# 1335
 Delta R.T. 0.00 min
 Lab File: VF062476.D
 Acq: 12 May 2019 00:07

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.5	51.8	155.4
157	118.8	67.3	201.8

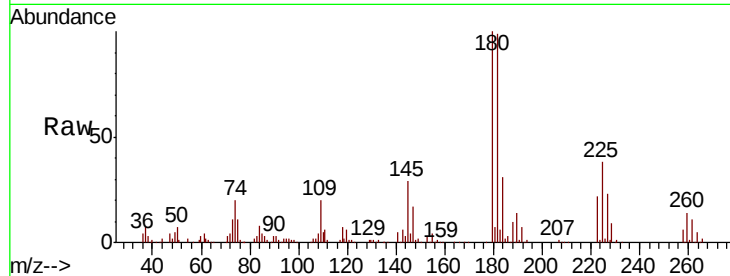




#93
 1,2,4-Trichlorobenzene
 Concen: 22.199 ug/l
 RT: 14.24 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VF062476.D
 Acq: 12 May 2019 00:07

Instrument :
 MSVOA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.0	49.0	147.0
145	32.0	16.7	50.1

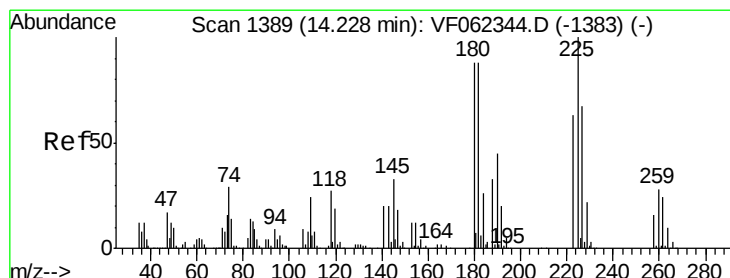
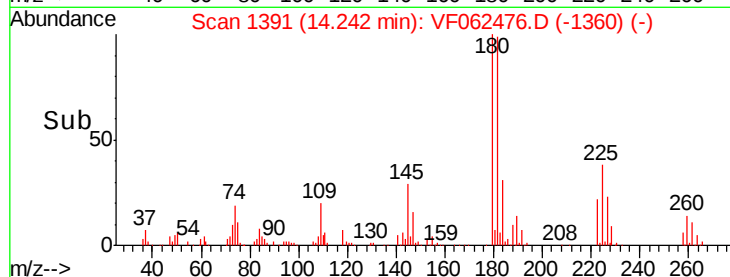
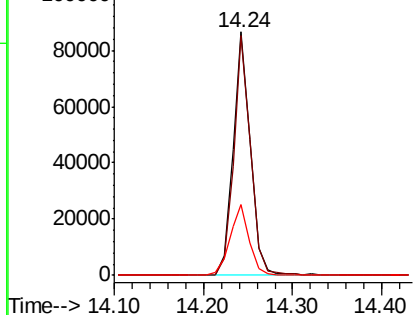


Abundance

Ion 179.80 (179.50 to 180.50): V

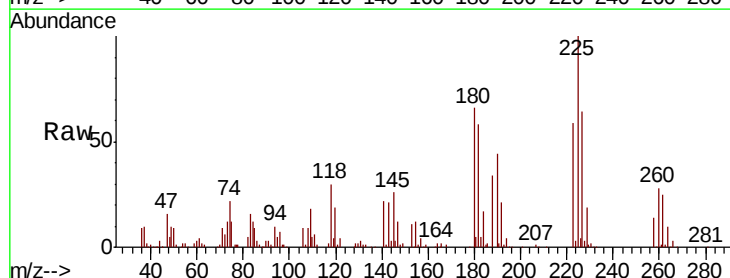
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 22.199 ug/l
 RT: 14.23 min Scan# 1390
 Delta R.T. 0.00 min
 Lab File: VF062476.D
 Acq: 12 May 2019 00:07

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.7	31.9	95.5
227	64.2	33.1	99.5

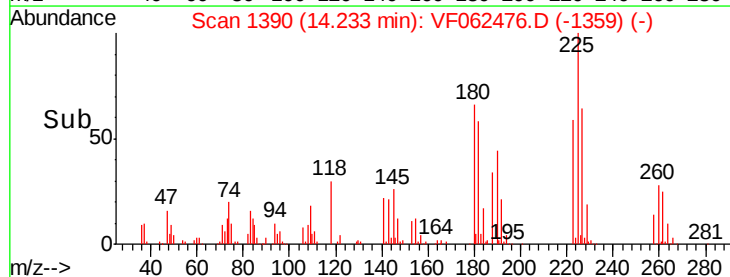
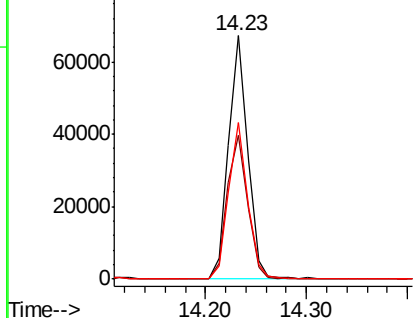


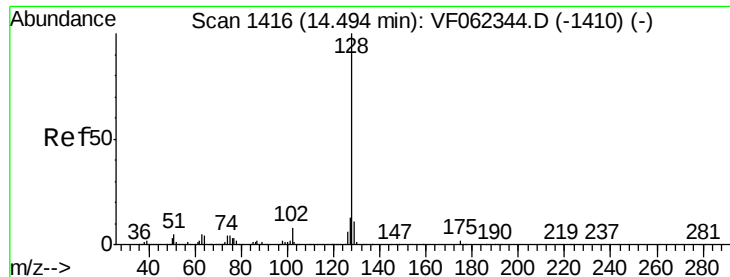
Abundance

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: 19.391 ug/l

RT: 14.50 min Scan# 1417

Delta R.T. 0.00 min

Lab File: VF062476.D

Acq: 12 May 2019 00:07

Instrument :

MSVOA_F

ClientSampled :

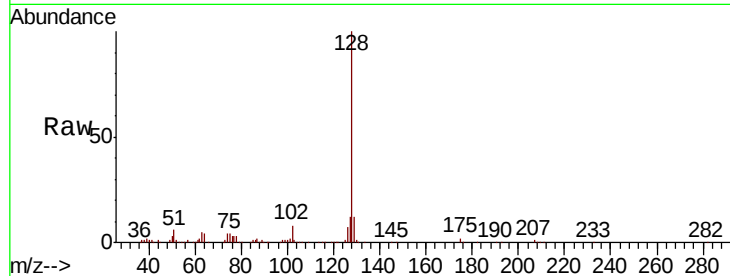
Tot Ion:128 Resp: 156423

Ion Ratio Lower Upper

128 100

127 12.0 10.5 15.7

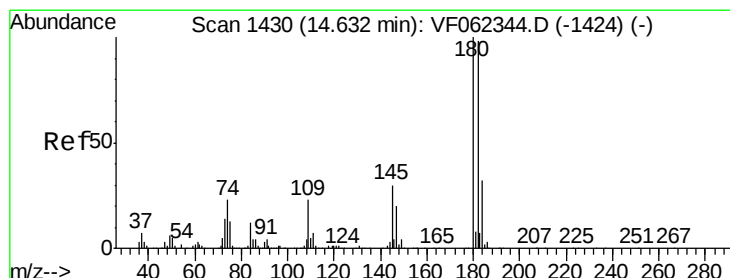
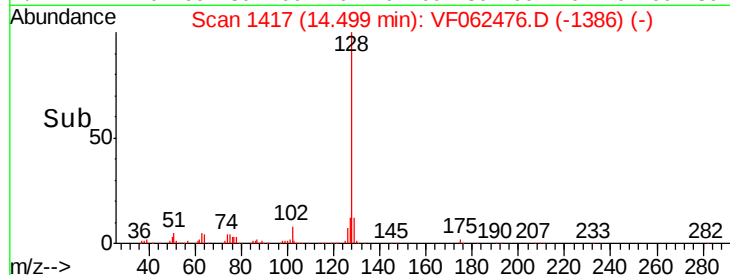
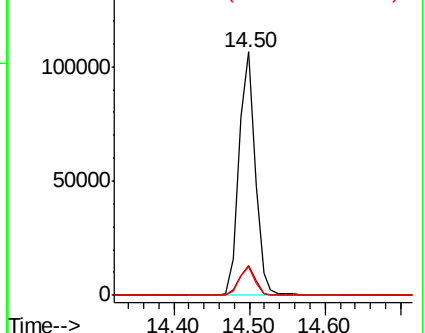
129 11.3 8.6 12.8



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: 22.052 ug/l

RT: 14.64 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VF062476.D

Acq: 12 May 2019 00:07

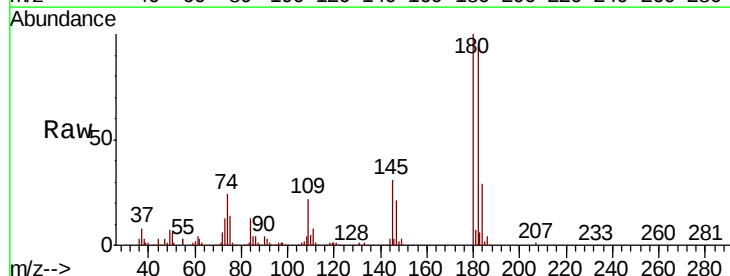
Tgt Ion:180 Resp: 114635

Ion Ratio Lower Upper

180 100

182 96.2 49.4 148.0

145 29.2 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

