

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF041719\
 Data File : VF062190.D
 Acq On : 17 Apr 2019 17:11
 Operator : FY/SY
 Sample : VSTDIC005
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Apr 18 06:51:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F041719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 18 06:46:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	388689	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	557339	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	413113	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.61	152	237712	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.02	65	19655	3.80	ug/l	0.00
Spiked Amount 50.000			Recovery	=	7.60%	
35) Dibromofluoromethane	4.30	113	28246	7.39	ug/l	0.00
Spiked Amount 50.000			Recovery	=	14.78%	
50) Toluene-d8	7.70	98	69869	5.01	ug/l	0.00
Spiked Amount 50.000			Recovery	=	10.02%	
62) 4-Bromofluorobenzene	11.48	95	28936	5.85	ug/l	0.00
Spiked Amount 50.000			Recovery	=	11.70%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.00	85	32701	7.015	ug/l	99
3) Chloromethane	1.14	50	34701	6.177	ug/l	92
4) Vinyl Chloride	1.19	62	28128	5.264	ug/l #	77
5) Bromomethane	1.39	94	17103	4.864	ug/l	95
6) Chloroethane	1.44	64	12840	4.257	ug/l #	79
7) Trichlorofluoromethane	1.56	101	37715	5.942	ug/l	96
8) Diethyl Ether	1.70	74	7824	2.955	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	1.91	101	25312	6.152	ug/l	94
10) Methyl Iodide	1.99	142	42622	8.960	ug/l #	86
11) Tert butyl alcohol	2.69	59	7251	7.031	ug/l #	92
12) 1,1-Dichloroethene	1.87	96	24462	5.799	ug/l	92
13) Acrolein	2.10	56	6025	7.009	ug/l #	57
14) Allyl chloride	2.19	41	28893	3.446	ug/l	97
15) Acrylonitrile	3.08	53	22261	8.193	ug/l	98
16) Acetone	2.35	43	25364	10.061	ug/l	99
17) Carbon Disulfide	1.91	76	60947	4.670	ug/l #	94
18) Methyl Acetate	2.46	43	20121	3.176	ug/l #	86
19) Methyl tert-butyl Ether	2.54	73	42050	3.061	ug/l	96
20) Methylene Chloride	2.34	84	28944	5.974	ug/l #	91
21) trans-1,2-Dichloroethene	2.41	96	24366	5.453	ug/l	94
22) Diisopropyl ether	2.93	45	71709	4.240	ug/l	98
23) Vinyl Acetate	3.33	43	160808	11.472	ug/l	97
24) 1,1-Dichloroethane	3.01	63	37579	4.385	ug/l	97
25) 2-Butanone	4.51	43	50763	12.457	ug/l	99
26) 2,2-Dichloropropane	3.76	77	20880	3.403	ug/l	99
27) cis-1,2-Dichloroethene	3.64	96	30538	5.876	ug/l	98
28) Bromochloromethane	3.89	49	18391	4.589	ug/l #	94
29) Tetrahydrofuran	4.26	42	22043	8.217	ug/l	94
30) Chloroform	4.03	83	49580	6.128	ug/l	94
31) Cyclohexane	3.86	56	48130	5.538	ug/l	92
32) 1,1,1-Trichloroethane	4.27	97	37005	5.842	ug/l #	81
36) 1,1-Dichloropropene	4.46	75	38365	6.421	ug/l	94
37) Ethyl Acetate	4.30	43	18575	2.779	ug/l #	98
38) Carbon Tetrachloride	4.17	117	31818	6.373	ug/l #	82

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 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Apr 18 06:51:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F041719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 18 06:46:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	45634	6.324	ug/l	95
40) Benzene	4.81	78	101664	5.933	ug/l	98
41) Methacrylonitrile	4.92	41	11358	2.939	ug/l #	61
42) 1,2-Dichloroethane	5.12	62	24869	4.263	ug/l #	74
43) Isopropyl Acetate	7.11	43	20382	1.936	ug/l	98
44) Trichloroethene	5.67	130	26488	6.162	ug/l	95
45) 1,2-Dichloropropane	6.40	63	21403	4.671	ug/l	94
46) Dibromomethane	6.25	93	13556	4.936	ug/l	99
47) Bromodichloromethane	6.53	83	31865	5.845	ug/l #	95
48) Methyl methacrylate	6.87	41	13030	2.466	ug/l	99
49) 1,4-Dioxane	6.87	88	3111	31.771	ug/l	88
51) 4-Methyl-2-Pentanone	8.39	43	75147	11.108	ug/l	100
52) Toluene	7.77	92	51563	5.094	ug/l	96
53) t-1,3-Dichloropropene	8.41	75	23689	4.039	ug/l	95
54) cis-1,3-Dichloropropene	7.45	75	33109	4.899	ug/l	91
55) 1,1,2-Trichloroethane	8.62	97	13644	3.577	ug/l	93
56) Ethyl methacrylate	8.74	69	16781	2.576	ug/l #	84
57) 1,3-Dichloropropane	8.98	76	22640	3.368	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.43	63	20817	6.120	ug/l	99
59) 2-Hexanone	9.61	43	52709	10.212	ug/l	94
60) Dibromochloromethane	8.84	129	20781	5.389	ug/l	95
61) 1,2-Dibromoethane	9.12	107	15629	3.938	ug/l	93
64) Tetrachloroethene	8.29	164	21276	6.525	ug/l	93
65) Chlorobenzene	9.92	112	45544	5.123	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.04	131	24485	7.511	ug/l	98
67) Ethyl Benzene	10.01	91	97245	6.075	ug/l	96
68) m/p-Xylenes	10.24	106	68993	11.846	ug/l	92
69) o-Xylene	10.80	106	38055	6.517	ug/l	92
70) Styrene	10.88	104	55308	5.716	ug/l	98
71) Bromoform	10.87	173	13095	5.462	ug/l #	96
73) Isopropylbenzene	11.21	105	117442	6.329	ug/l	97
74) N-amyl acetate	11.44	43	36095	3.817	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.76	83	20190	3.291	ug/l	98
76) 1,2,3-Trichloropropane	11.86	75	13810	2.605	ug/l #	64
77) Bromobenzene	11.57	156	24130	5.290	ug/l	96
78) n-propylbenzene	11.66	91	131907	6.348	ug/l	97
79) 2-Chlorotoluene	11.79	91	74821	5.922	ug/l	98
80) 1,3,5-Trimethylbenzene	11.89	105	101395	6.538	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.93	75	10323	4.976	ug/l #	88
82) 4-Chlorotoluene	11.97	91	75424	5.309	ug/l	99
83) tert-Butylbenzene	12.19	119	101565	6.707	ug/l	98
84) 1,2,4-Trimethylbenzene	12.26	105	100385	6.436	ug/l	95
85) sec-Butylbenzene	12.36	105	134698	7.342	ug/l	98
86) p-Isopropyltoluene	12.51	119	114573	6.923	ug/l	98
87) 1,3-Dichlorobenzene	12.53	146	49541	6.191	ug/l	98
88) 1,4-Dichlorobenzene	12.62	146	46925	5.797	ug/l	94
89) n-Butylbenzene	12.89	91	119741	7.880	ug/l	97
90) Hexachloroethane	12.96	117	27889	9.190	ug/l	93
91) 1,2-Dichlorobenzene	12.99	146	47890	6.066	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.68	75	4376	3.170	ug/l	84

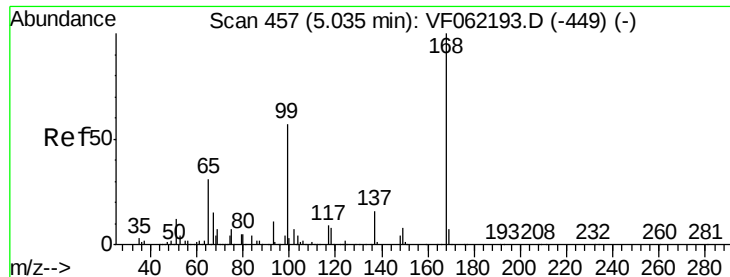
Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF041719\
Data File : VF062190.D
Acq On : 17 Apr 2019 17:11
Operator : FY/SY
Sample : VSTDICC005
Misc : 5.00g/5mL/MSVOA F/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :

Quant Time: Apr 18 06:51:25 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F041719S.M
Quant Title : SW846 8260
QLast Update : Thu Apr 18 06:46:39 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.23	180	38871	6.665	ug/l	98
94) Hexachlorobutadiene	14.22	225	24410	7.786	ug/l	99
95) Naphthalene	14.49	128	65222	3.800	ug/l	99
96) 1,2,3-Trichlorobenzene	14.63	180	35899	6.199	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.04 min Scan# 457

Delta R.T. 0.00 min

Lab File: VF062190.D

Acq: 17 Apr 2019 17:11

Instrument :

MSVOA_F

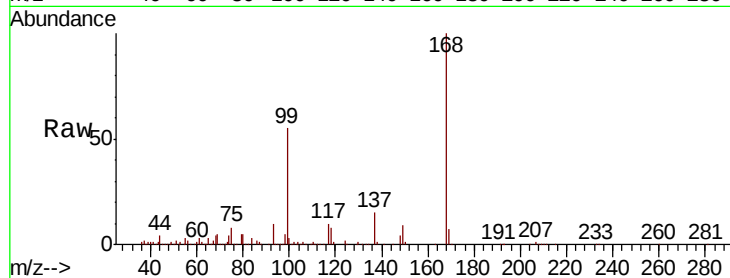
ClientSampleId :

Tot Ion:168 Resp: 388689

Ion Ratio Lower Upper

168 100

99 54.5 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): VF0

Ion 98.90 (98.60 to 99.60): VF0

5.04

150000

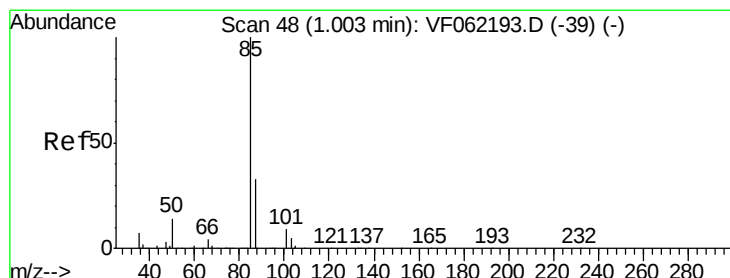
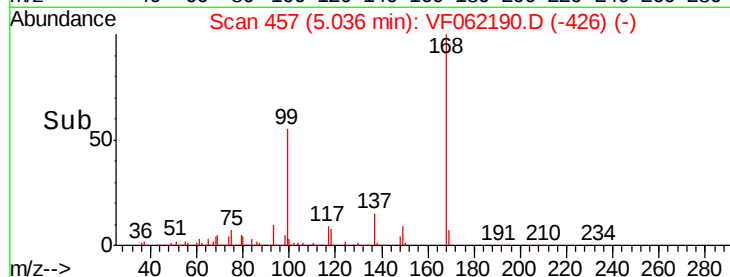
100000

50000

0

Time-->

5.00 5.20



#2

Dichlorodifluoromethane

Concen: 7.015 ug/l

RT: 1.00 min Scan# 48

Delta R.T. 0.00 min

Lab File: VF062190.D

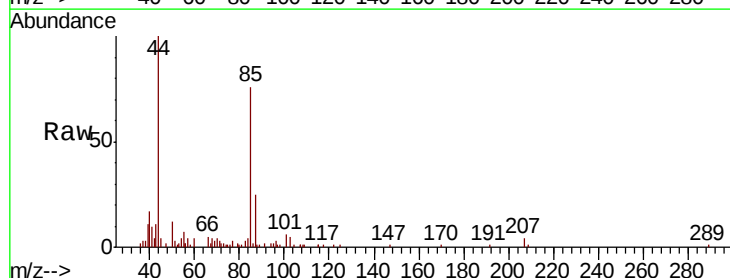
Acq: 17 Apr 2019 17:11

Tgt Ion: 85 Resp: 32701

Ion Ratio Lower Upper

85 100

87 32.4 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VF0

Ion 86.90 (86.60 to 87.60): VF0

1.00

8000

6000

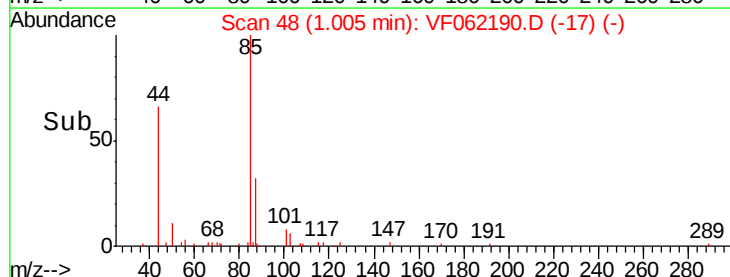
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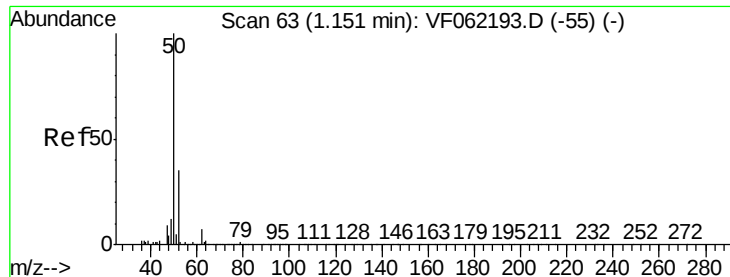
2000

0

Time-->

0.90 1.00 1.10 1.20





#3

Chloromethane

Concen: 6.177 ug/l

RT: 1.14 min Scan# 62

Delta R.T. -0.01 min

Lab File: VF062190.D

Acq: 17 Apr 2019 17:11

Instrument :

MSVOA_F

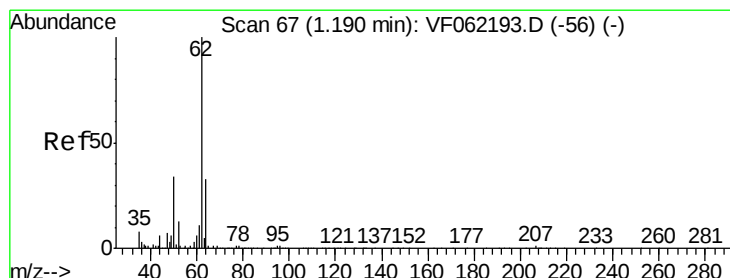
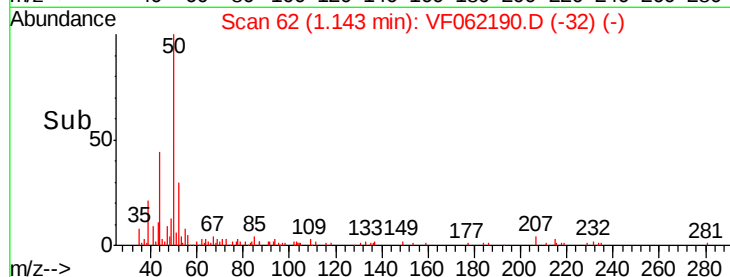
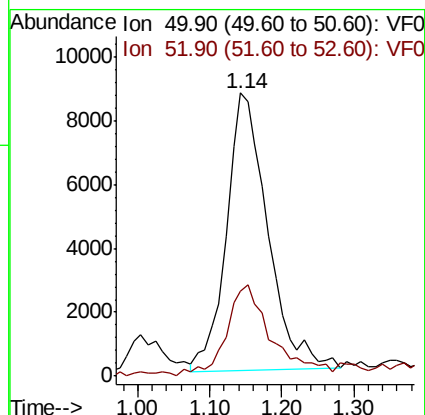
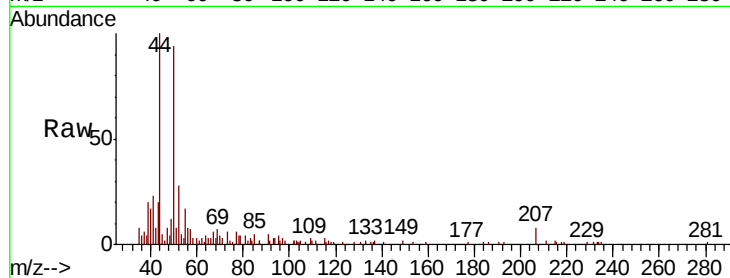
ClientSampleId :

Tot Ion: 50 Resp: 34701

Ion Ratio Lower Upper

50 100

52 29.3 27.0 40.4



#4

Vinyl Chloride

Concen: 5.264 ug/l

RT: 1.19 min Scan# 67

Delta R.T. 0.00 min

Lab File: VF062190.D

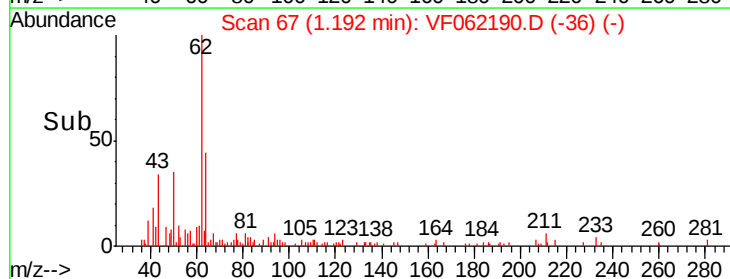
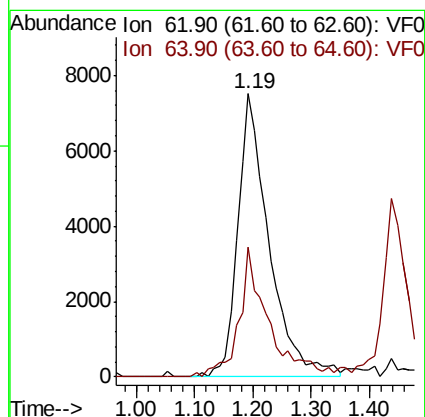
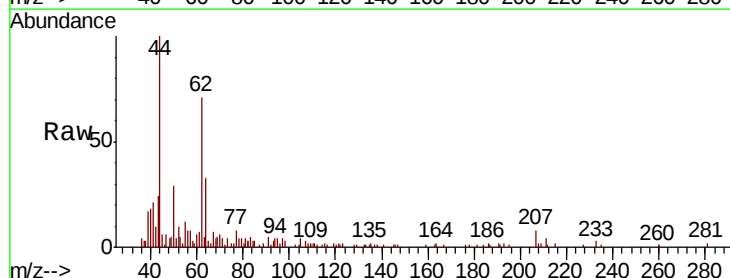
Acq: 17 Apr 2019 17:11

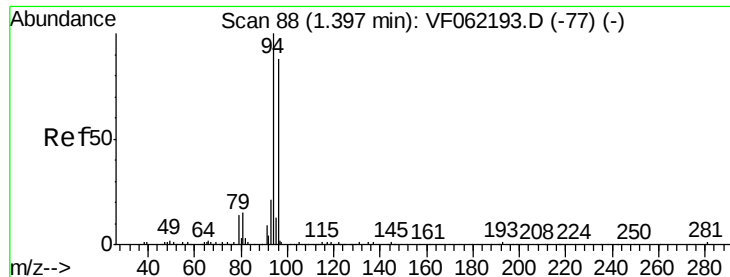
Tgt Ion: 62 Resp: 28128

Ion Ratio Lower Upper

62 100

64 45.9 26.2 39.4#





#5

Bromomethane

Concen: 4.864 ug/l

RT: 1.39 min Scan# 87

Delta R.T. -0.01 min

Lab File: VF062190.D

Acq: 17 Apr 2019 17:11

Instrument :

MSVOA_F

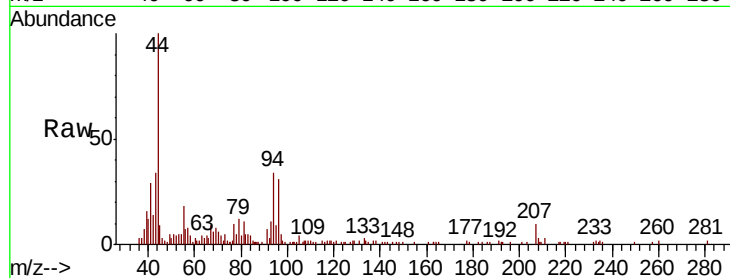
ClientSampleId :

Tot Ion: 94 Resp: 17103

Ion Ratio Lower Upper

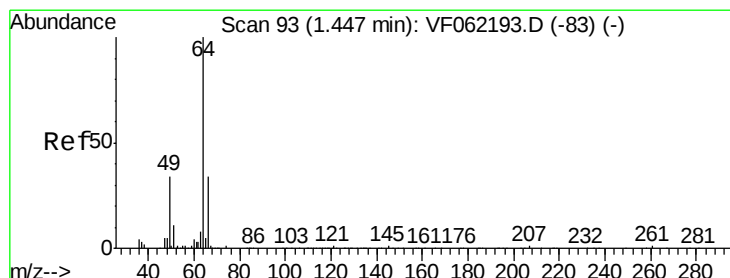
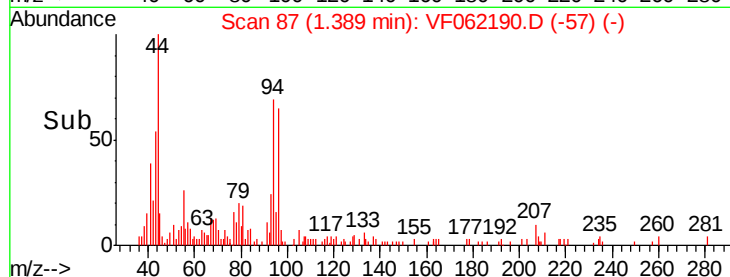
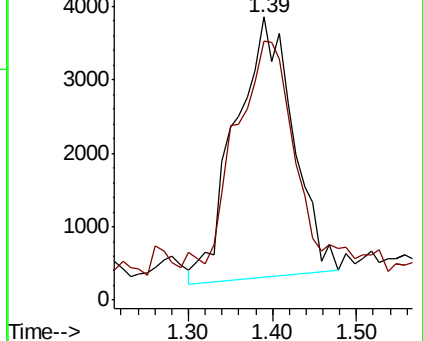
94 100

96 83.0 70.2 105.4



Abundance Ion 93.90 (93.60 to 94.60): VF0

Ion 95.90 (95.60 to 96.60): VF0



#6

Chloroethane

Concen: 4.257 ug/l

RT: 1.44 min Scan# 92

Delta R.T. -0.01 min

Lab File: VF062190.D

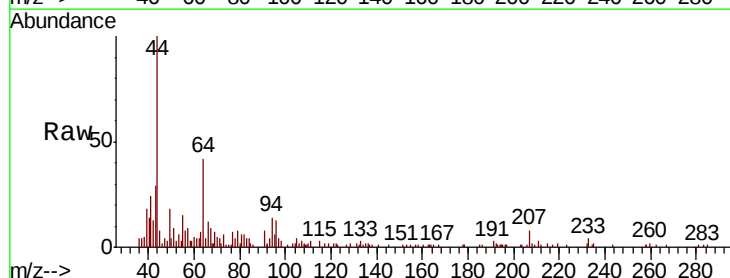
Acq: 17 Apr 2019 17:11

Tgt Ion: 64 Resp: 12840

Ion Ratio Lower Upper

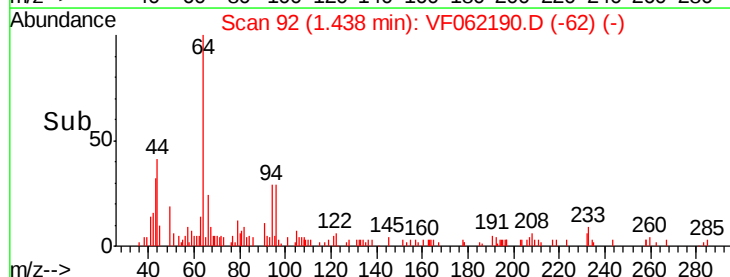
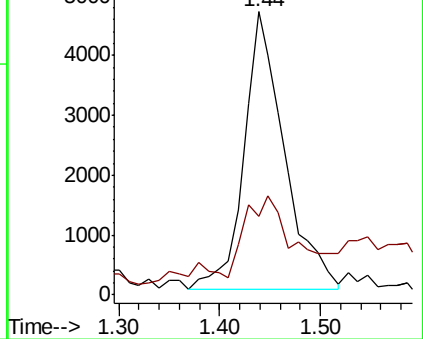
64 100

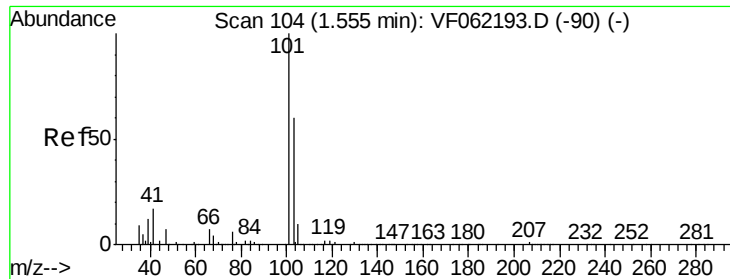
66 21.6 27.0 40.4#



Abundance Ion 63.90 (63.60 to 64.60): VF0

Ion 65.90 (65.60 to 66.60): VF0



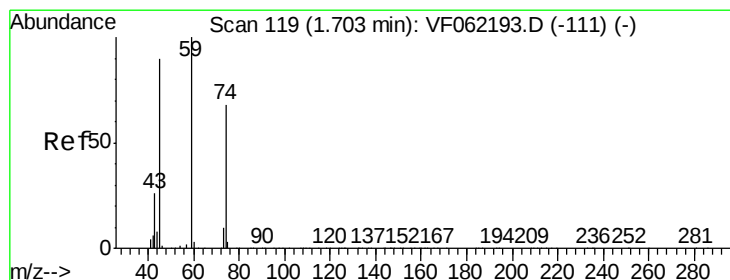
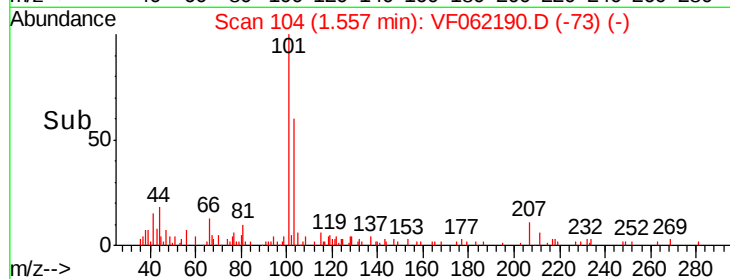
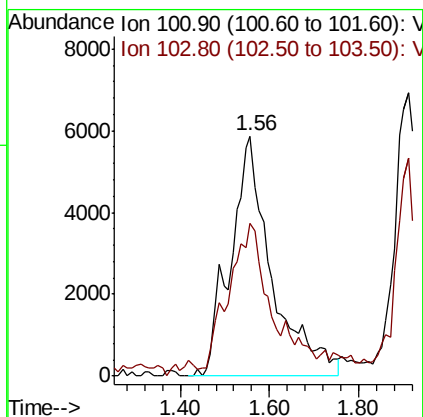
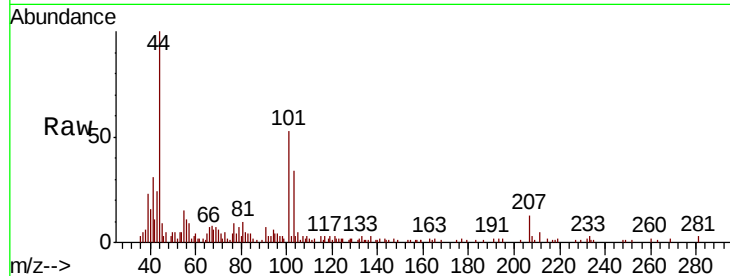


#7

Trichlorofluoromethane
Concen: 5.942 ug/l
RT: 1.56 min Scan# 104
Delta R.T. 0.00 min
Lab File: VF062190.D
Acq: 17 Apr 2019 17:11

Instrument :
MSVOA_F
ClientSampleId :

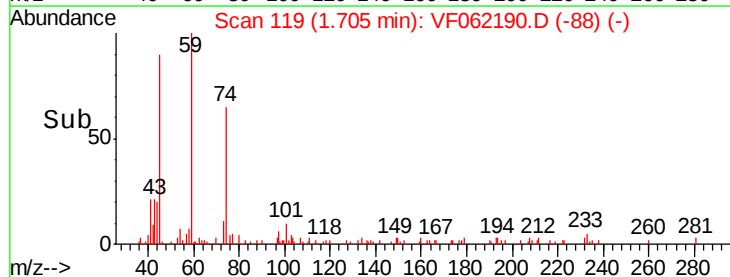
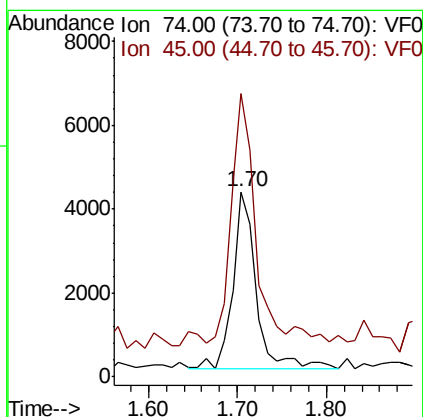
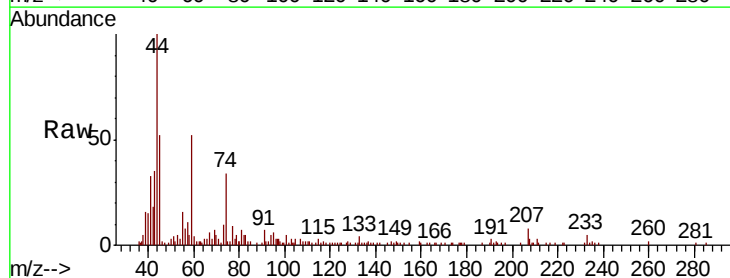
Tot Ion:101 Resp: 37715
Ion Ratio Lower Upper
101 100
103 57.0 48.2 72.4

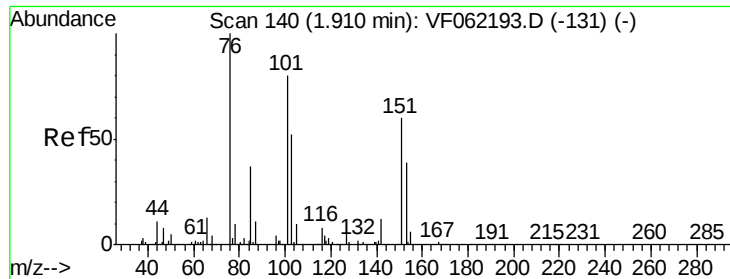


#8

Diethyl Ether
Concen: 2.955 ug/l
RT: 1.70 min Scan# 119
Delta R.T. 0.00 min
Lab File: VF062190.D
Acq: 17 Apr 2019 17:11

Tgt Ion: 74 Resp: 7824
Ion Ratio Lower Upper
74 100
45 138.6 70.0 210.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 6.152 ug/l

RT: 1.91 min Scan# 140

Delta R.T. 0.00 min

Lab File: VF062190.D

Acq: 17 Apr 2019 17:11

Instrument :

MSVOA_F

ClientSampleId :

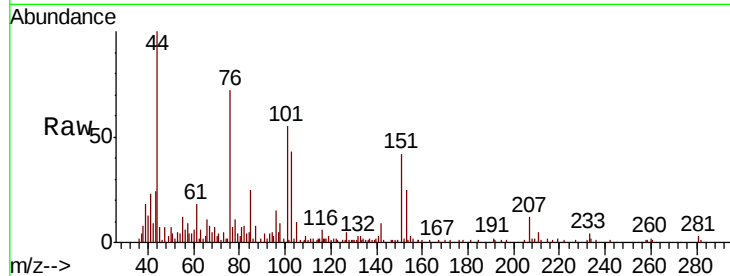
Tot Ion:101 Resp: 25312

Ion Ratio Lower Upper

101 100

85 49.1 35.3 52.9

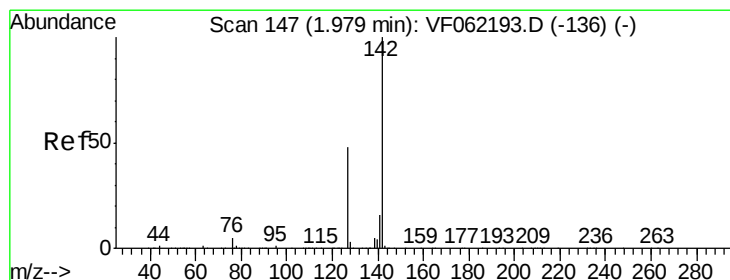
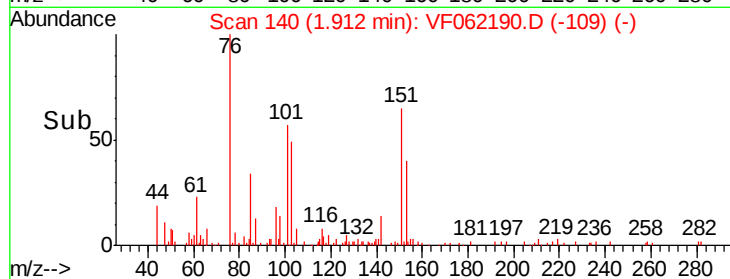
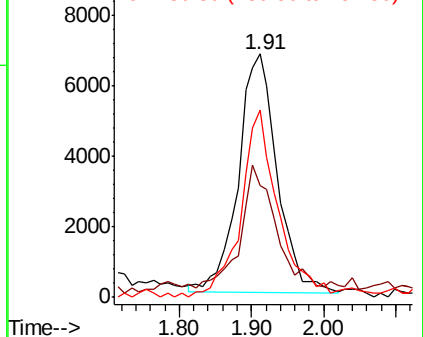
151 76.4 57.5 86.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VF0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 8.960 ug/l

RT: 1.99 min Scan# 148

Delta R.T. 0.01 min

Lab File: VF062190.D

Acq: 17 Apr 2019 17:11

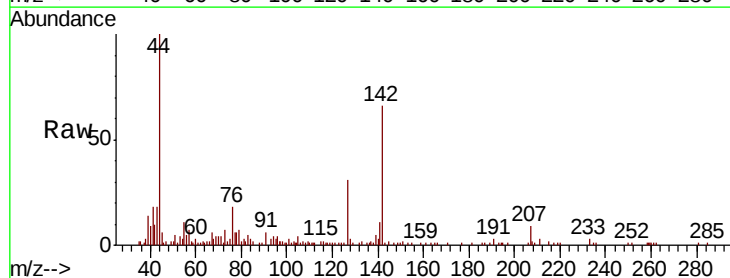
Tgt Ion:142 Resp: 42622

Ion Ratio Lower Upper

142 100

127 51.5 33.0 49.4#

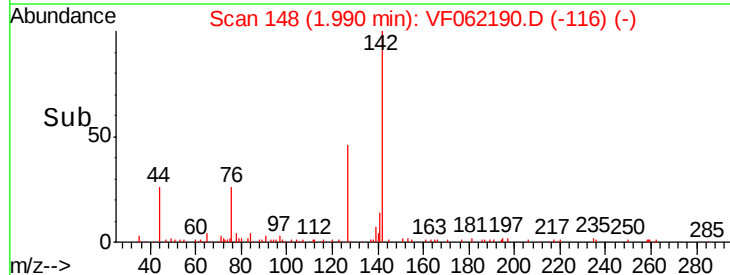
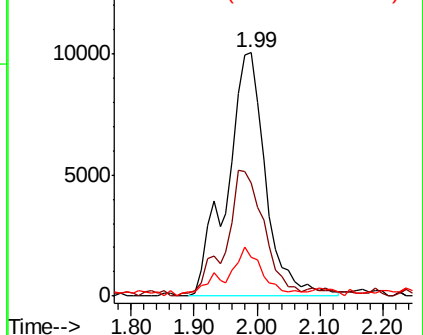
141 12.9 12.7 19.1

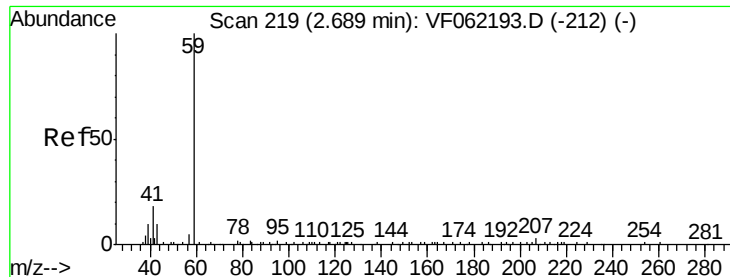


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

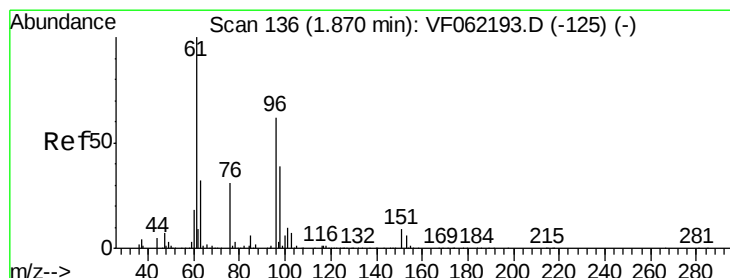
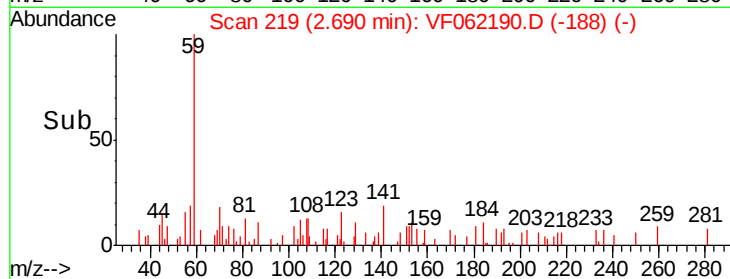
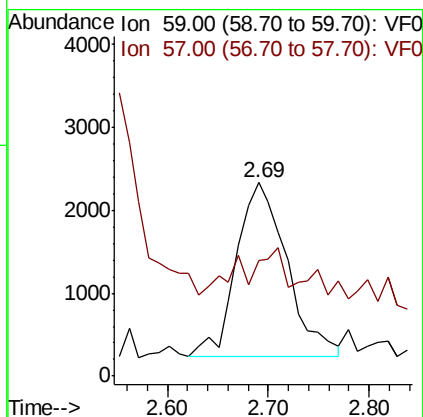
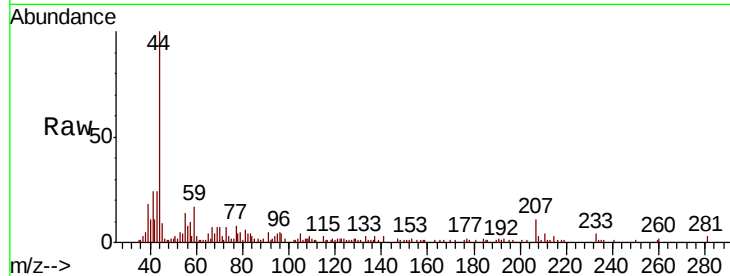




#11
Tert butyl alcohol
Concen: 7.031 ug/l
RT: 2.69 min Scan# 219
Delta R.T. 0.00 min
Lab File: VF062190.D
Acq: 17 Apr 2019 17:11

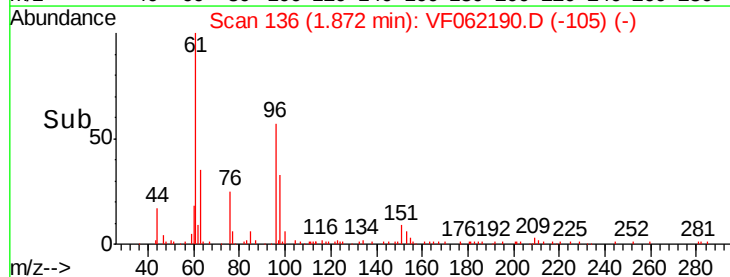
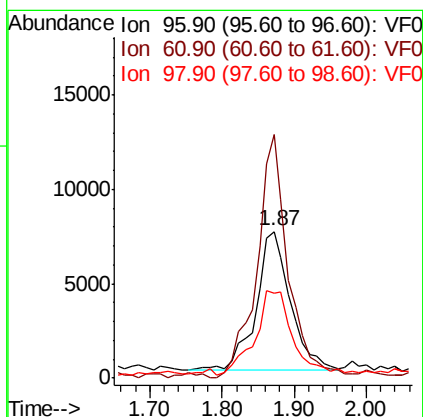
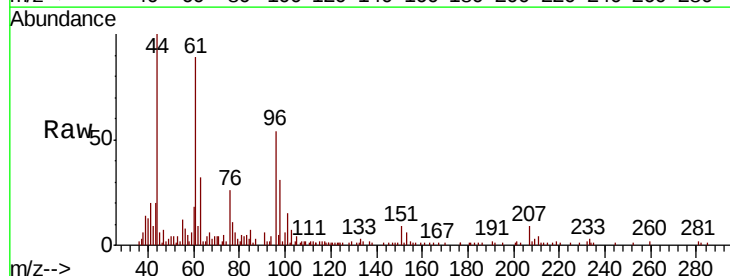
Instrument :
MSVOA_F
ClientSampleId :

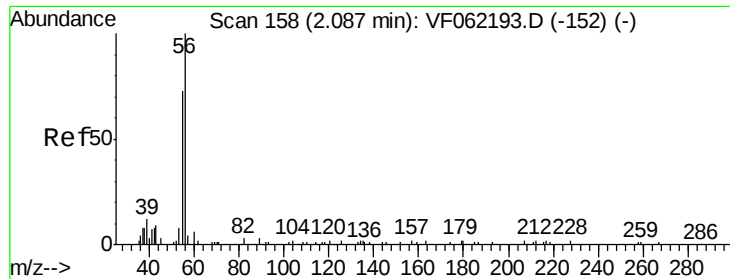
Tot Ion: 59 Resp: 7251
Ion Ratio Lower Upper
59 100
57 8.3 9.3 13.9#



#12
1,1-Dichloroethene
Concen: 5.799 ug/l
RT: 1.87 min Scan# 136
Delta R.T. 0.00 min
Lab File: VF062190.D
Acq: 17 Apr 2019 17:11

Tgt Ion: 96 Resp: 24462
Ion Ratio Lower Upper
96 100
61 172.2 129.1 193.7
98 58.0 50.0 75.0

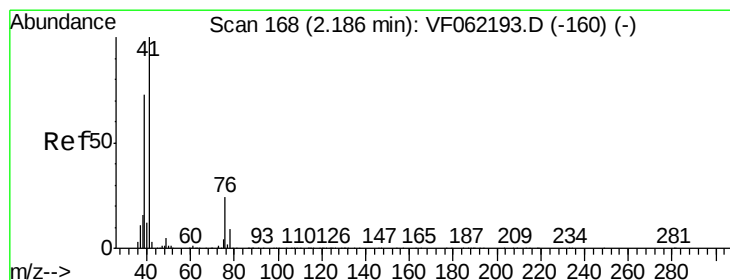
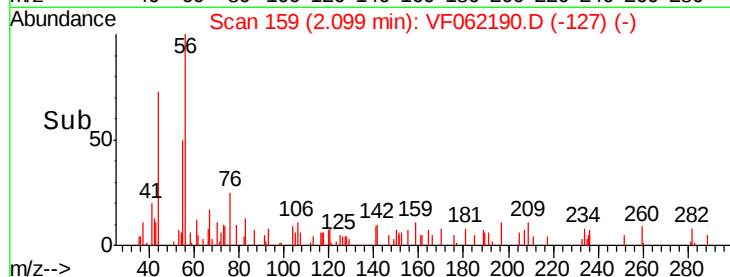
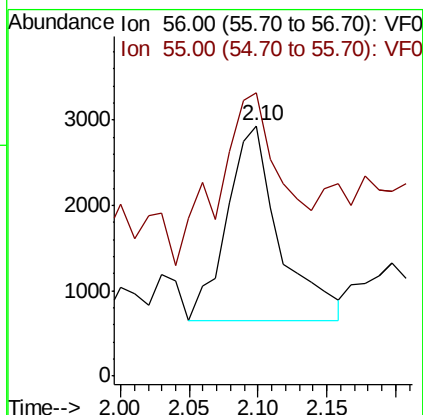
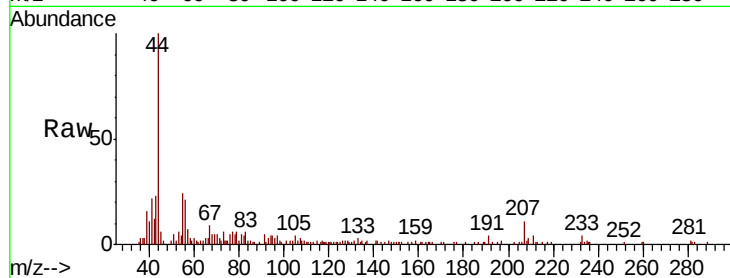




#13
Acrolein
Concen: 7.009 ug/l
RT: 2.10 min Scan# 159
Delta R.T. 0.01 min
Lab File: VF062190.D
Acq: 17 Apr 2019 17:11

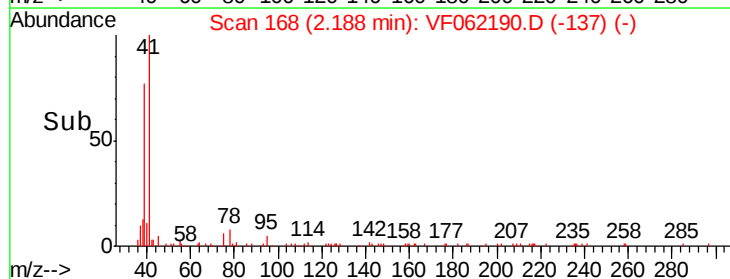
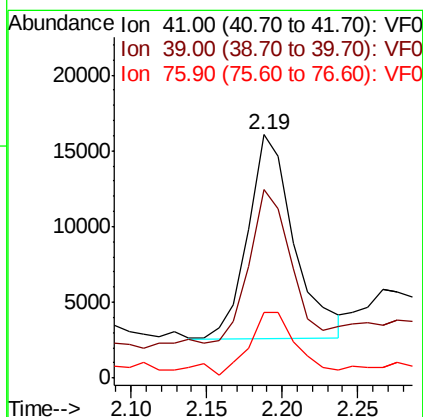
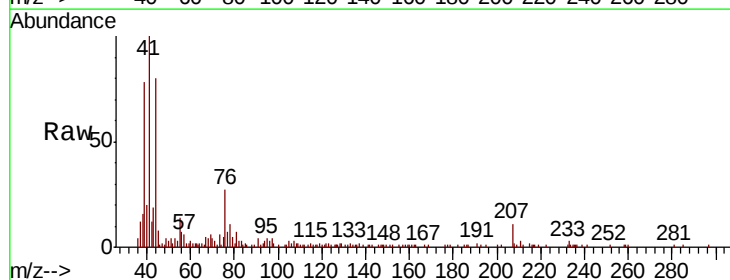
Instrument :
MSVOA_F
ClientSampleId :

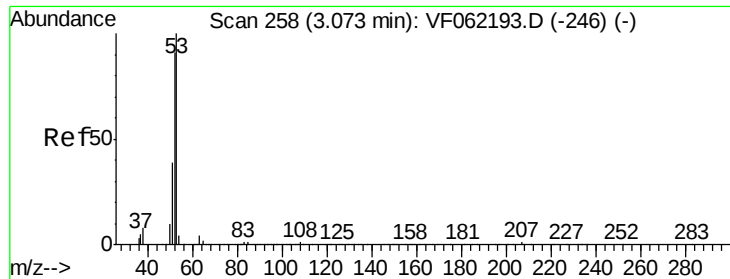
Tot Ion: 56 Resp: 6025
Ion Ratio Lower Upper
56 100
55 107.6 57.4 86.0#



#14
Allyl chloride
Concen: 3.446 ug/l
RT: 2.19 min Scan# 168
Delta R.T. 0.00 min
Lab File: VF062190.D
Acq: 17 Apr 2019 17:11

Tgt Ion: 41 Resp: 28893
Ion Ratio Lower Upper
41 100
39 75.6 60.0 90.0
76 30.3 20.6 30.8





#15

Acrylonitrile

Concen: 8.193 ug/l

RT: 3.08 min Scan# 259

Delta R.T. 0.01 min

Lab File: VF062190.D

Acq: 17 Apr 2019 17:11

Instrument :
MSVOA_F
ClientSampleId :

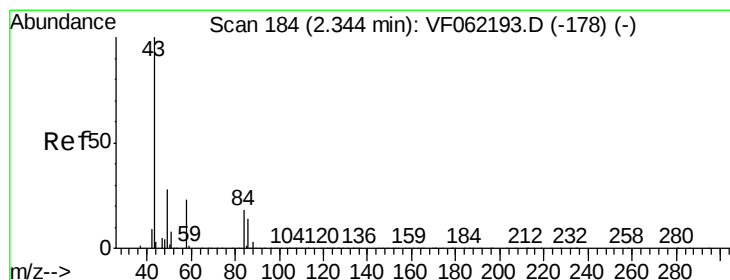
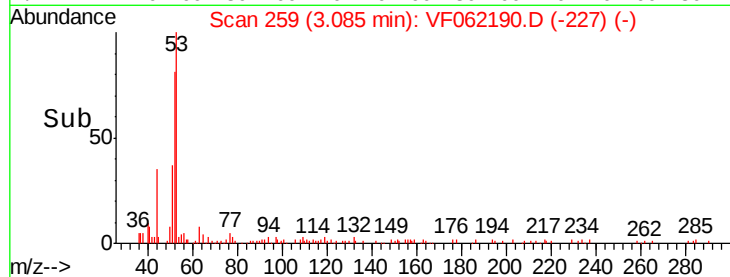
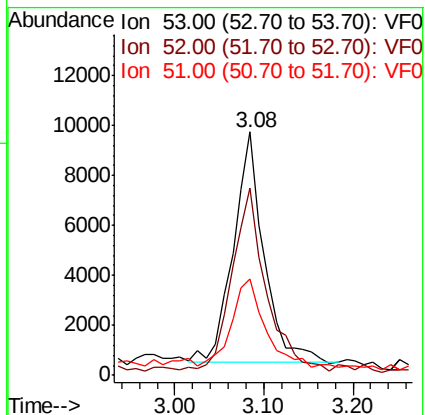
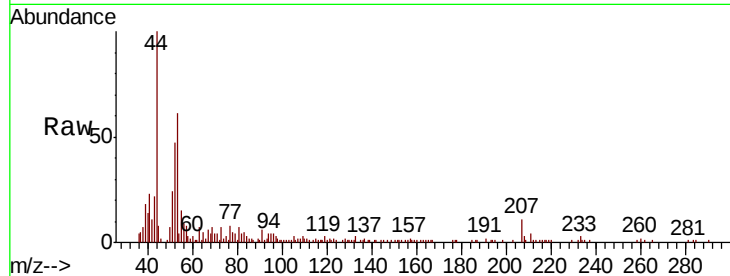
Tot Ion: 53 Resp: 22261

Ion Ratio Lower Upper

53 100

52 87.1 69.5 104.3

51 43.0 31.8 47.8



#16

Acetone

Concen: 10.061 ug/l

RT: 2.35 min Scan# 184

Delta R.T. 0.00 min

Lab File: VF062190.D

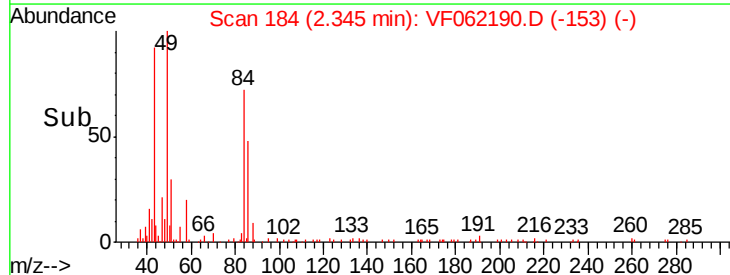
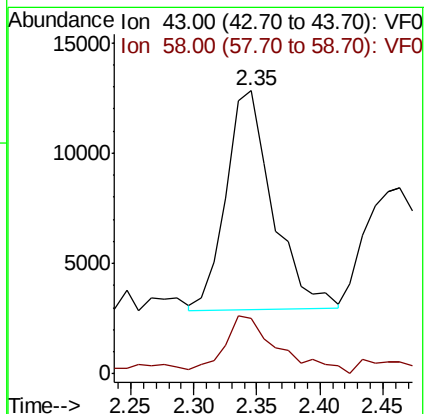
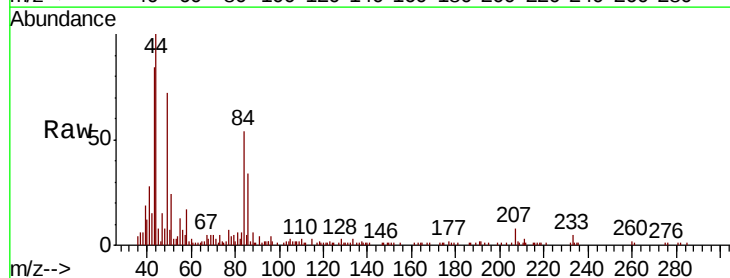
Acq: 17 Apr 2019 17:11

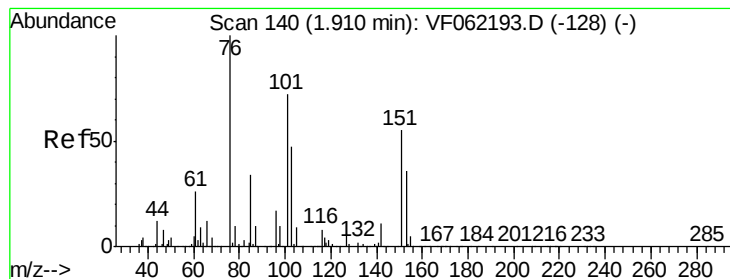
Tgt Ion: 43 Resp: 25364

Ion Ratio Lower Upper

43 100

58 23.9 18.8 28.2





#17

Carbon Disulfide

Concen: 4.670 ug/l

RT: 1.91 min Scan# 140

Delta R.T. 0.00 min

Lab File: VF062190.D

Acq: 17 Apr 2019 17:11

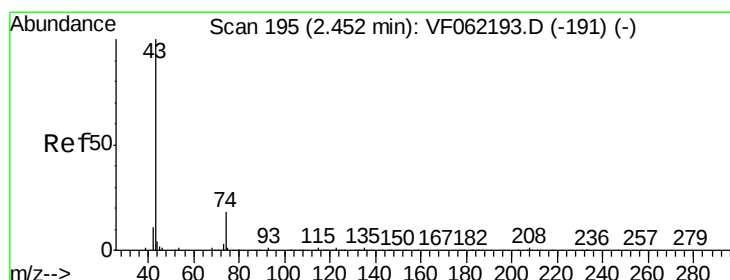
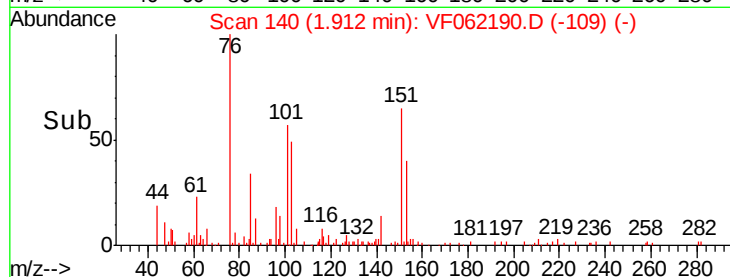
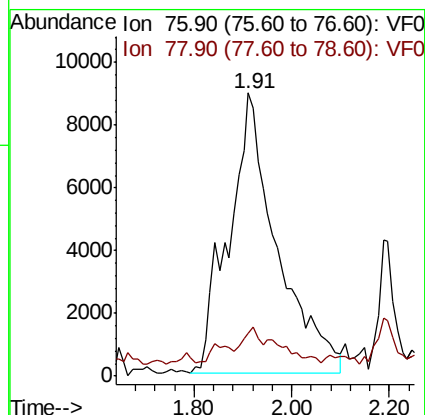
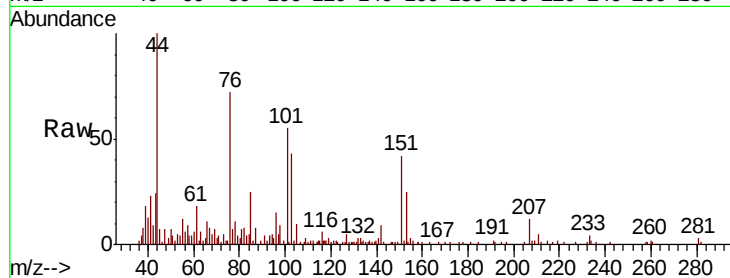
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 76 Resp: 60947

Ion Ratio Lower Upper

76 100

78 8.5 8.7 13.1#



#18

Methyl Acetate

Concen: 3.176 ug/l

RT: 2.46 min Scan# 196

Delta R.T. 0.01 min

Lab File: VF062190.D

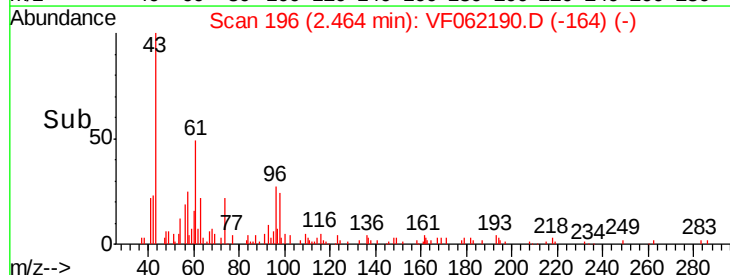
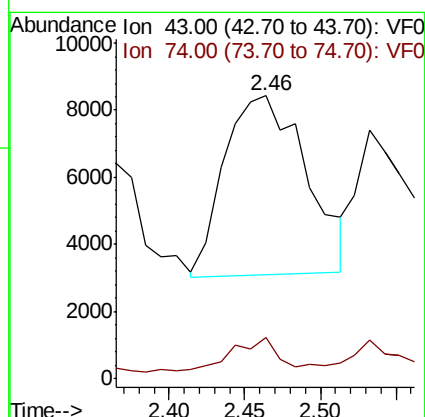
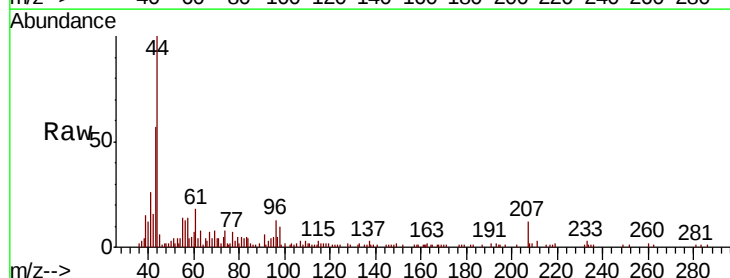
Acq: 17 Apr 2019 17:11

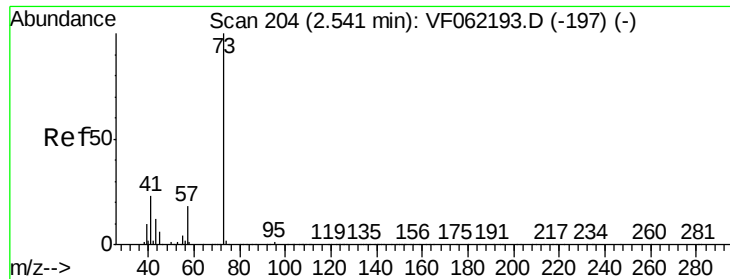
Tgt Ion: 43 Resp: 20121

Ion Ratio Lower Upper

43 100

74 12.1 14.5 21.7#



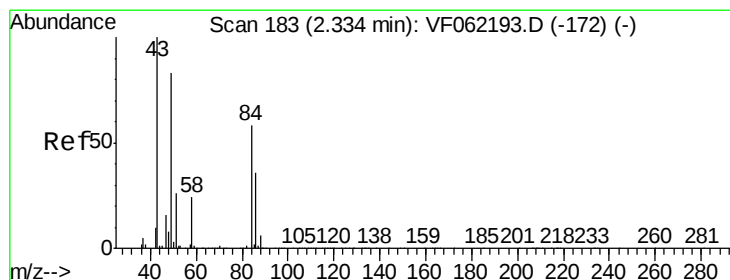
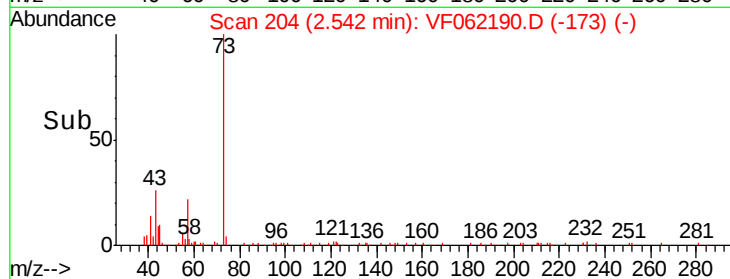
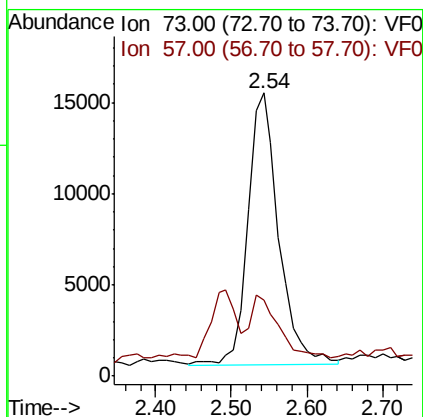
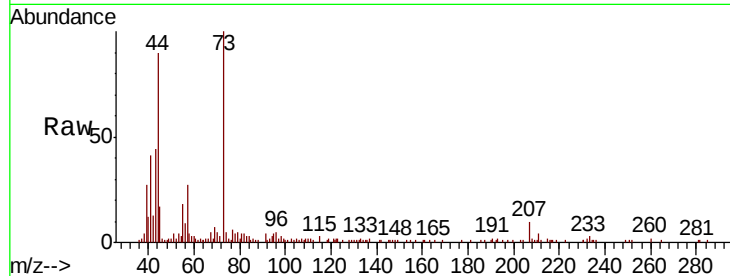


#19

Methyl tert-butyl Ether
Concen: 3.061 ug/l
RT: 2.54 min Scan# 204
Delta R.T. 0.00 min
Lab File: VF062190.D
Acq: 17 Apr 2019 17:11

Instrument :
MSVOA_F
ClientSampleId :

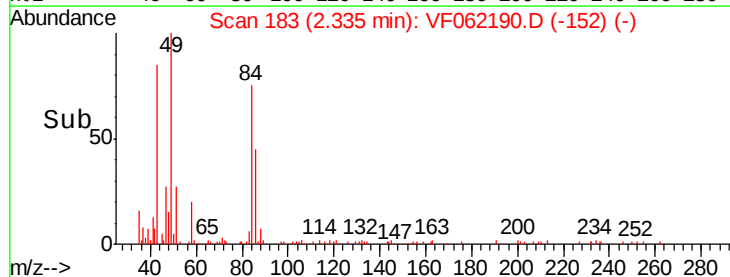
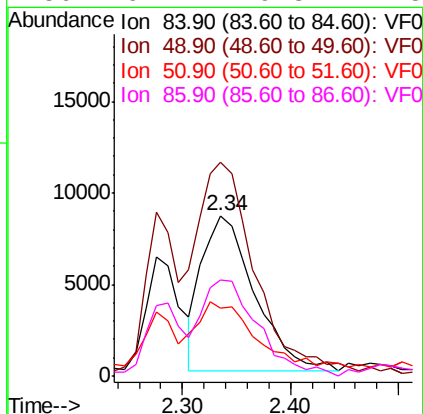
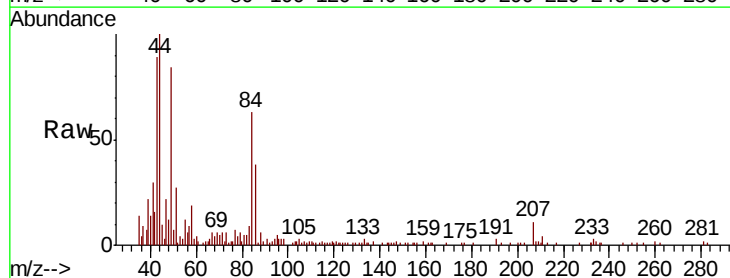
Tot Ion: 73 Resp: 42050
Ion Ratio Lower Upper
73 100
57 20.6 15.1 22.7

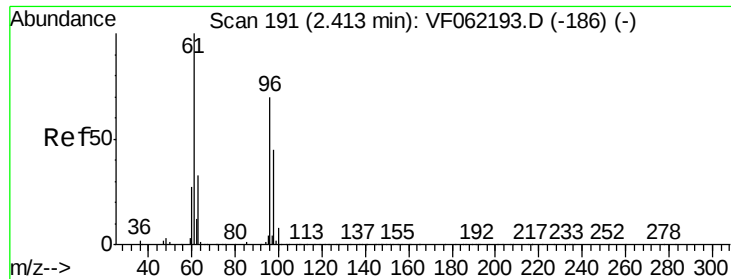


#20

Methylene Chloride
Concen: 5.974 ug/l
RT: 2.34 min Scan# 183
Delta R.T. 0.00 min
Lab File: VF062190.D
Acq: 17 Apr 2019 17:11

Tgt Ion: 84 Resp: 28944
Ion Ratio Lower Upper
84 100
49 129.5 114.0 171.0
51 35.5 37.0 55.4#
86 62.1 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 5.453 ug/l

RT: 2.41 min Scan# 191

Delta R.T. 0.00 min

Lab File: VF062190.D

Acq: 17 Apr 2019 17:11

Instrument :
MSVOA_F
ClientSampleId :

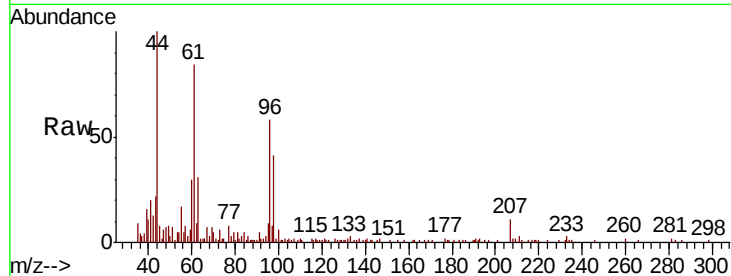
Tot Ion: 96 Resp: 24366

Ion Ratio Lower Upper

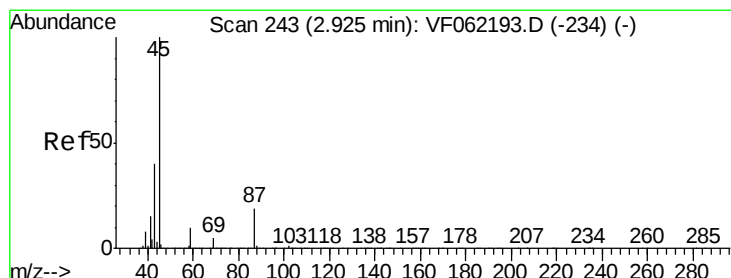
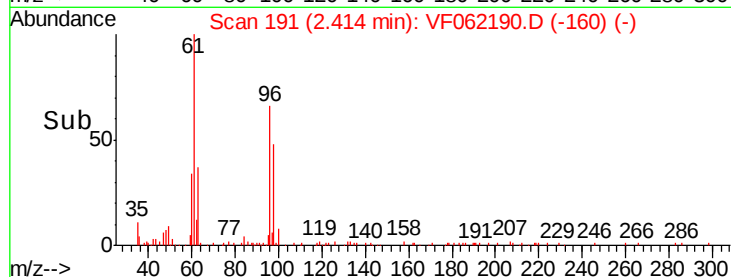
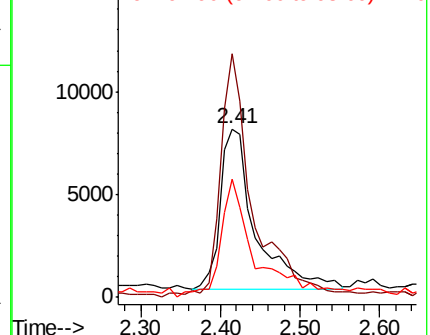
96 100

61 149.0 114.6 172.0

98 70.4 51.2 76.8



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



#22

Diisopropyl ether

Concen: 4.240 ug/l

RT: 2.93 min Scan# 243

Delta R.T. 0.00 min

Lab File: VF062190.D

Acq: 17 Apr 2019 17:11

Tgt Ion: 45 Resp: 71709

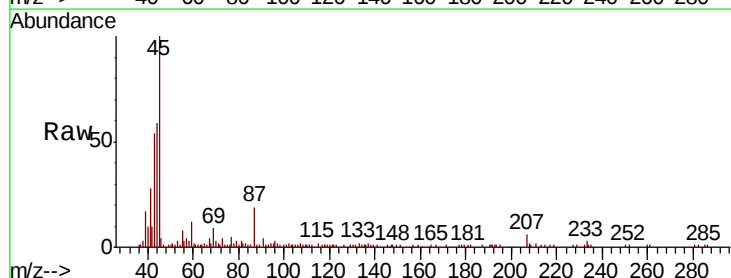
Ion Ratio Lower Upper

45 100

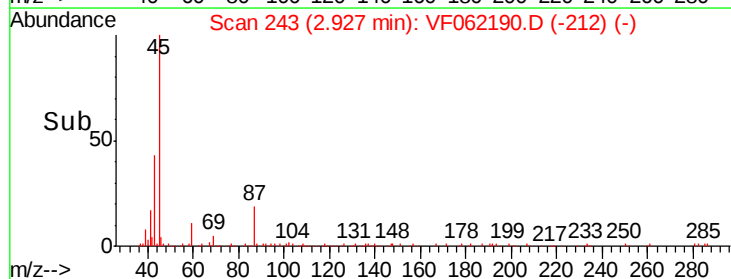
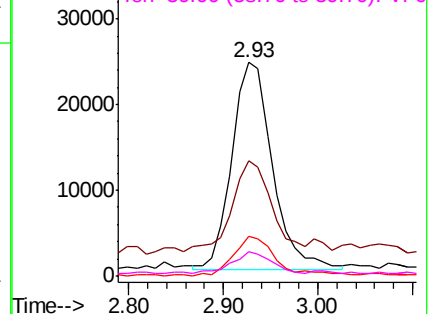
43 42.1 32.8 49.2

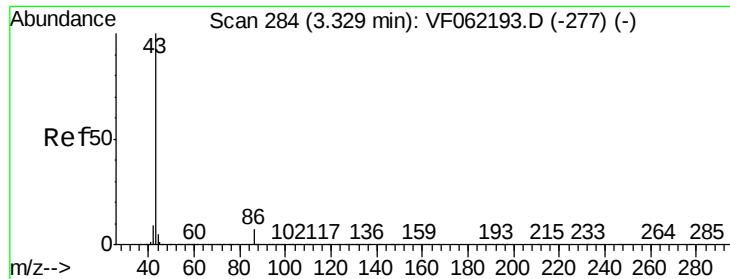
87 19.5 15.2 22.8

59 11.2 7.8 11.6



Abundance Ion 45.00 (44.70 to 45.70): VF0
Ion 43.00 (42.70 to 43.70): VF0
Ion 87.00 (86.70 to 87.70): VF0
Ion 59.00 (58.70 to 59.70): VF0





#23

Vinyl Acetate

Concen: 11.472 ug/l

RT: 3.33 min Scan# 284

Delta R.T. 0.00 min

Lab File: VF062190.D

Acq: 17 Apr 2019 17:11

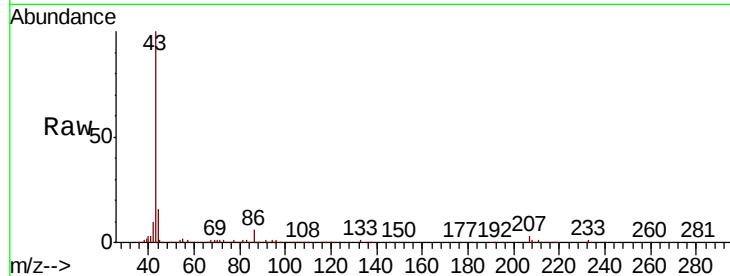
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 160808

Ion Ratio Lower Upper

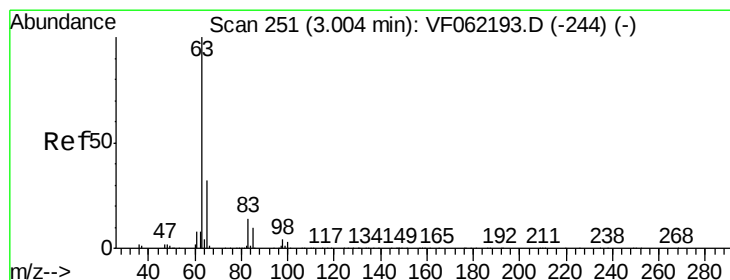
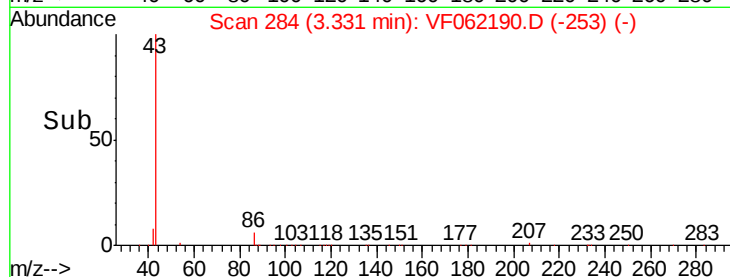
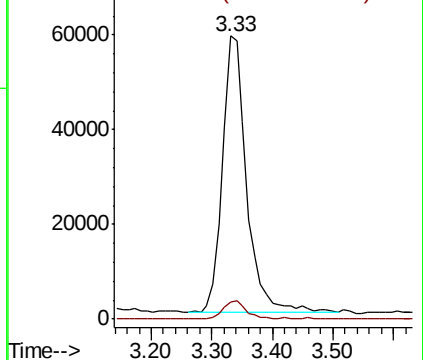
43 100

86 6.3 5.9 8.9



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 4.385 ug/l

RT: 3.01 min Scan# 251

Delta R.T. 0.00 min

Lab File: VF062190.D

Acq: 17 Apr 2019 17:11

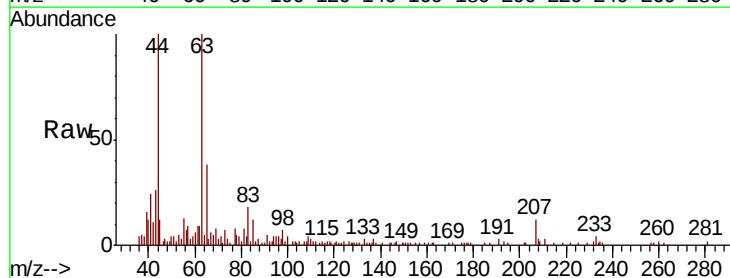
Tgt Ion: 63 Resp: 37579

Ion Ratio Lower Upper

63 100

98 5.5 2.3 6.8

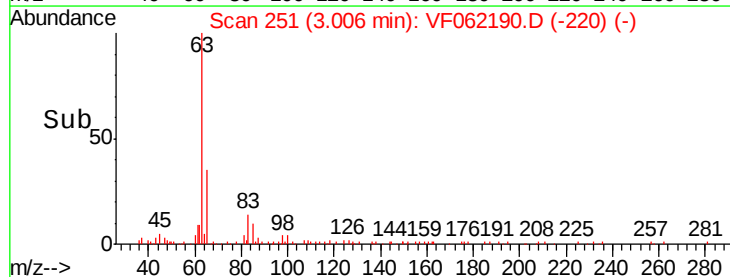
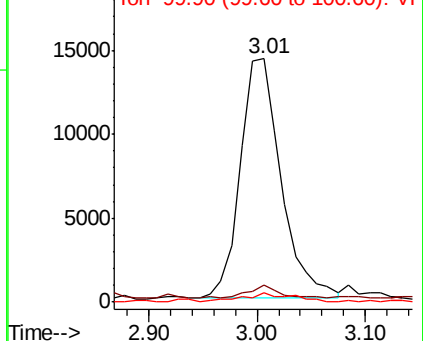
100 4.1 1.7 5.0

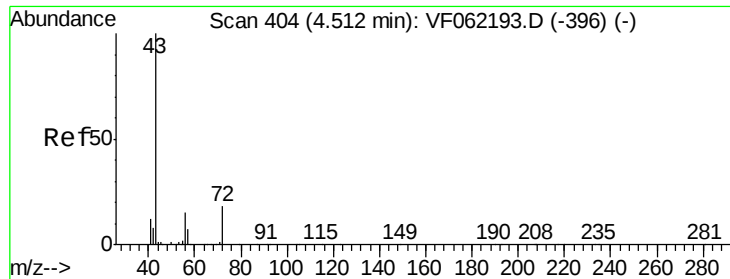


Abundance Ion 62.90 (62.60 to 63.60): VF0

Ion 97.90 (97.60 to 98.60): VF0

Ion 99.90 (99.60 to 100.60): VF0

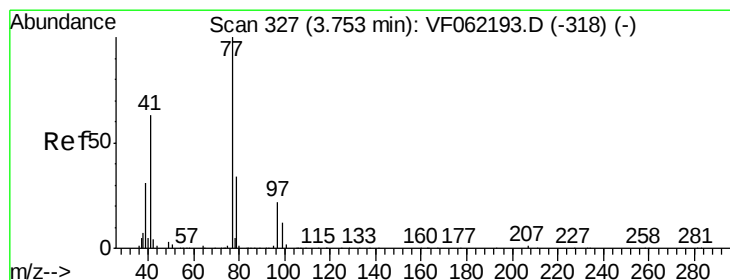
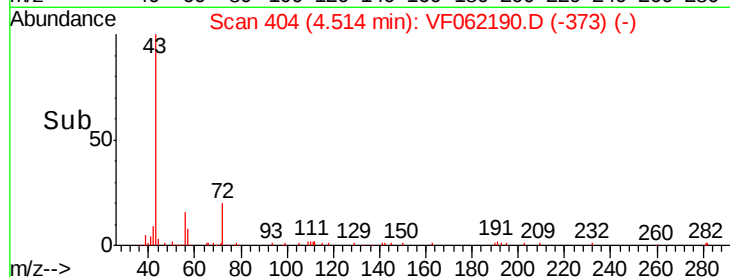
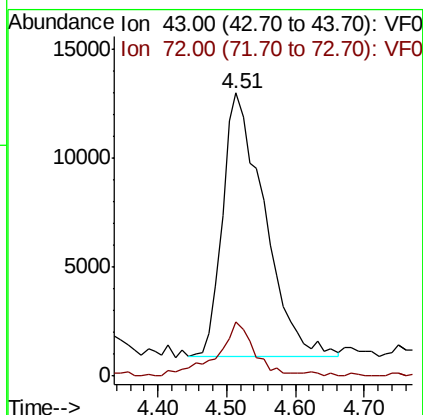
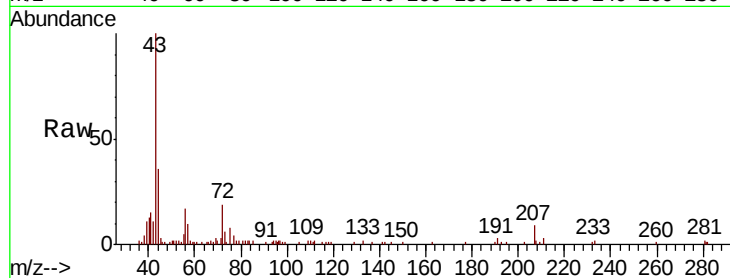




#25
2-Butanone
Concen: 12.457 ug/l
RT: 4.51 min Scan# 404
Delta R.T. 0.00 min
Lab File: VF062190.D
Acq: 17 Apr 2019 17:11

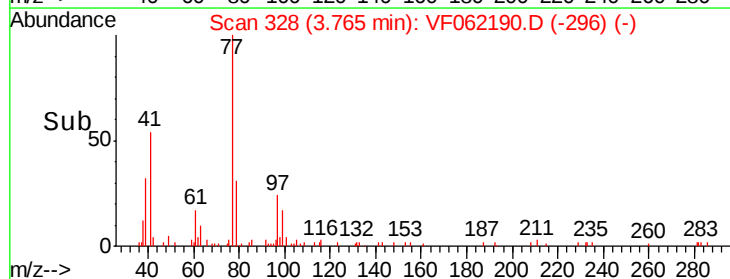
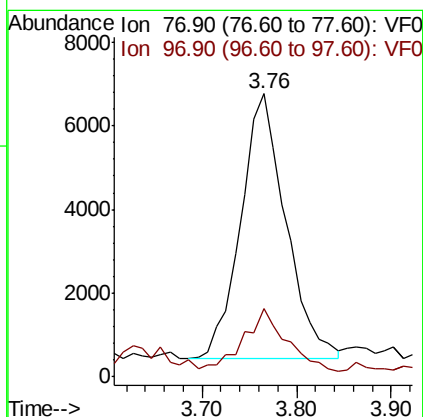
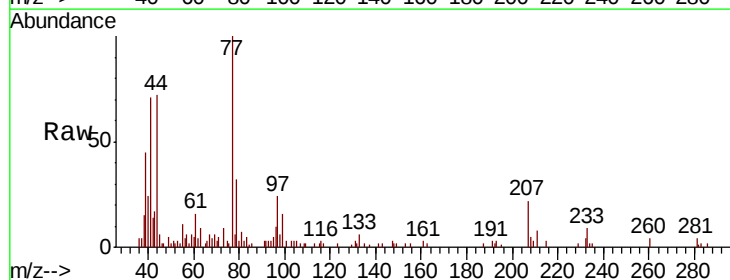
Instrument :
MSVOA_F
ClientSampled :

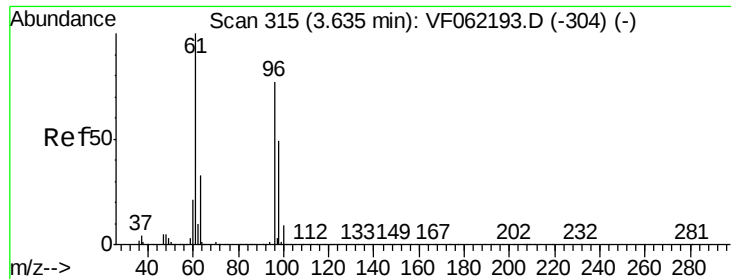
Tot Ion: 43 Resp: 50763
Ion Ratio Lower Upper
43 100
72 20.4 16.1 24.1



#26
2,2-Dichloropropane
Concen: 3.403 ug/l
RT: 3.76 min Scan# 328
Delta R.T. 0.01 min
Lab File: VF062190.D
Acq: 17 Apr 2019 17:11

Tgt Ion: 77 Resp: 20880
Ion Ratio Lower Upper
77 100
97 22.9 11.1 33.3



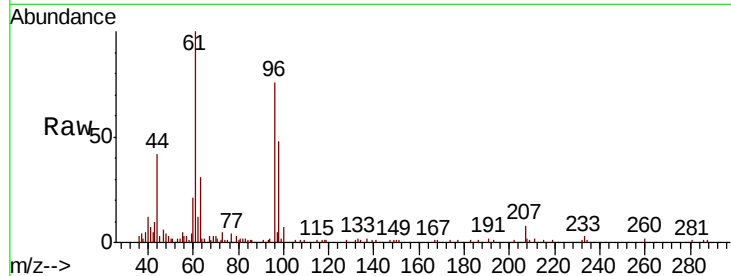


#27

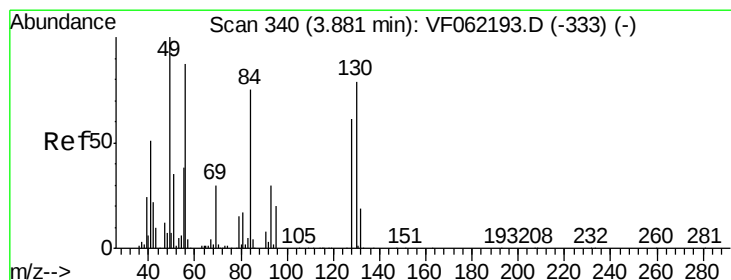
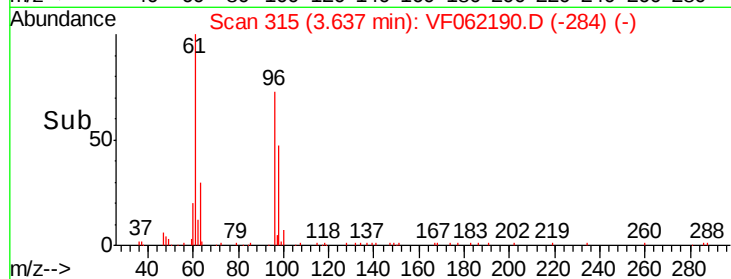
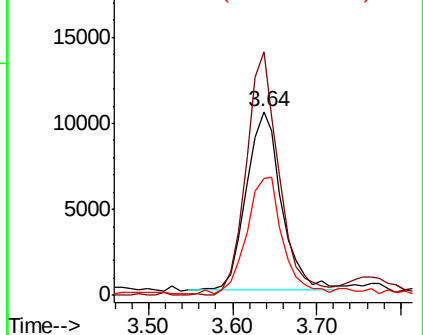
cis-1,2-Dichloroethene
Concen: 5.876 ug/l
RT: 3.64 min Scan# 315
Delta R.T. 0.00 min
Lab File: VF062190.D
Acq: 17 Apr 2019 17:11

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
96	100		
61	127.0	0.0	253.6
98	65.8	0.0	124.8



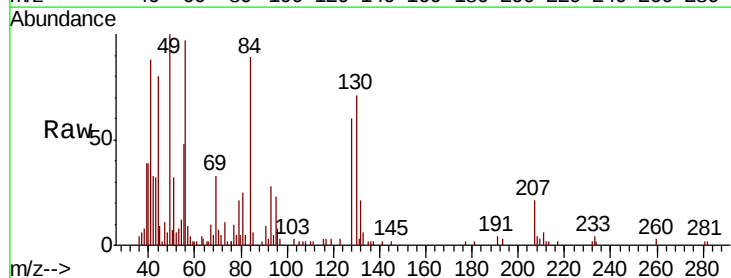
Abundance Ion 95.90 (95.60 to 96.60): VF0
Ion 60.90 (60.60 to 61.60): VF0
Ion 97.90 (97.60 to 98.60): VF0



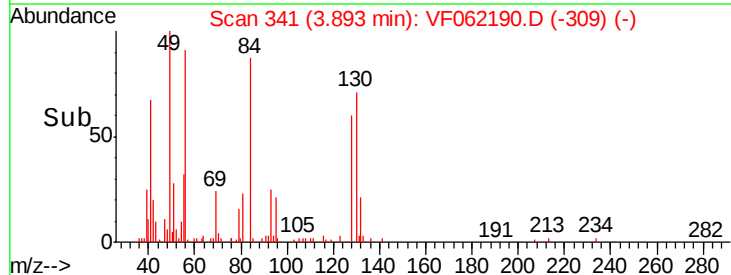
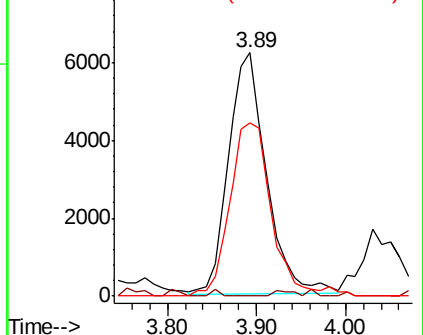
#28

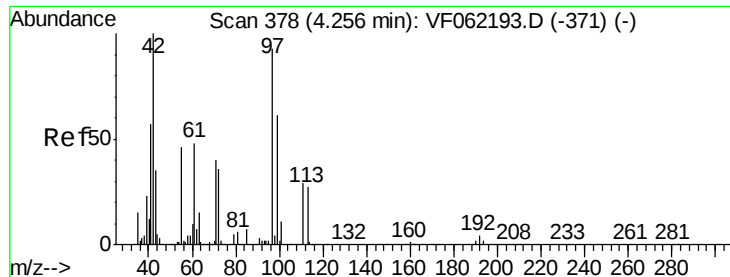
Bromochloromethane
Concen: 4.589 ug/l
RT: 3.89 min Scan# 341
Delta R.T. 0.01 min
Lab File: VF062190.D
Acq: 17 Apr 2019 17:11

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	0.0
130	77.6	66.6	100.0



Abundance Ion 48.90 (48.60 to 49.60): VF0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 8.217 ug/l

RT: 4.26 min Scan# 378

Delta R.T. 0.00 min

Lab File: VF062190.D

Acq: 17 Apr 2019 17:11

Instrument :
MSVOA_F
ClientSampled :

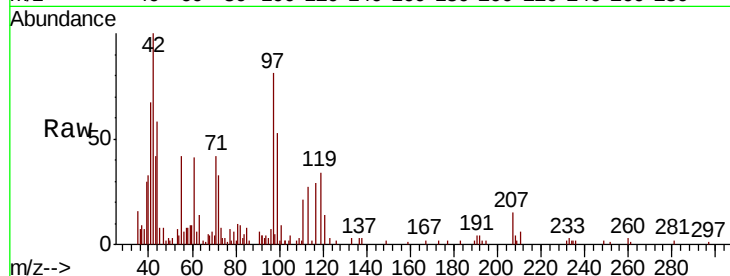
Tot Ion: 42 Resp: 22043

Ion Ratio Lower Upper

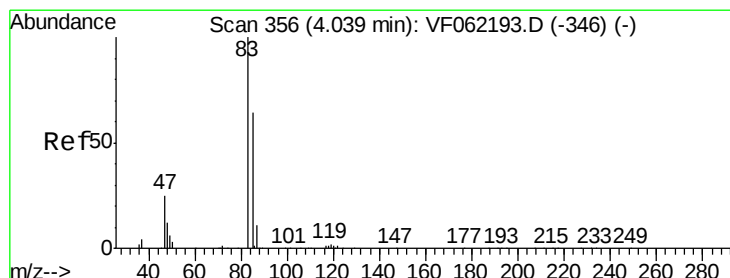
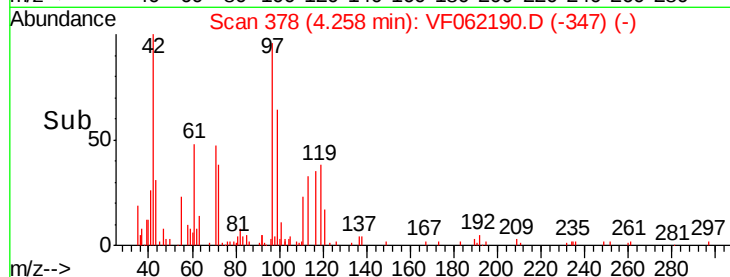
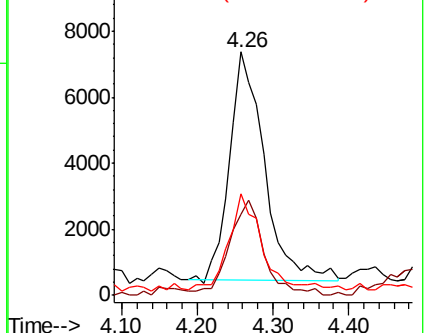
42 100

72 41.5 28.6 43.0

71 37.9 29.2 43.8



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: 6.128 ug/l

RT: 4.03 min Scan# 355

Delta R.T. -0.01 min

Lab File: VF062190.D

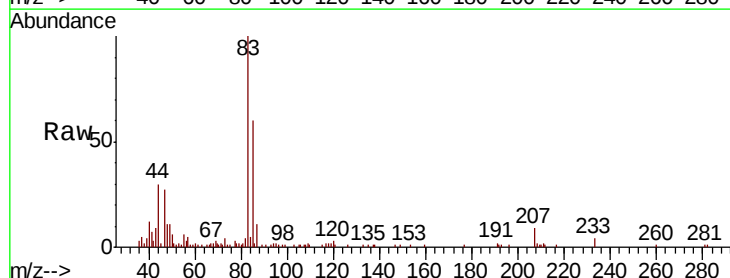
Acq: 17 Apr 2019 17:11

Tgt Ion: 83 Resp: 49580

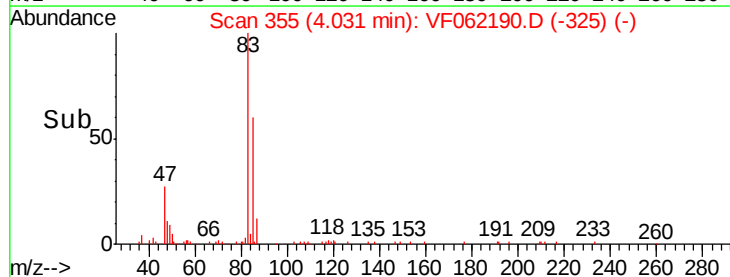
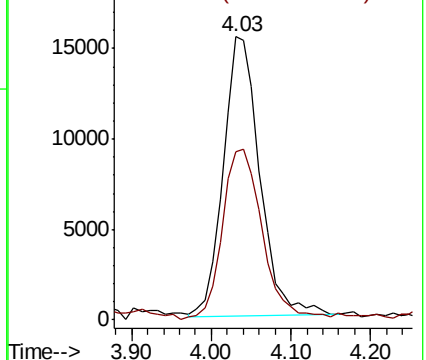
Ion Ratio Lower Upper

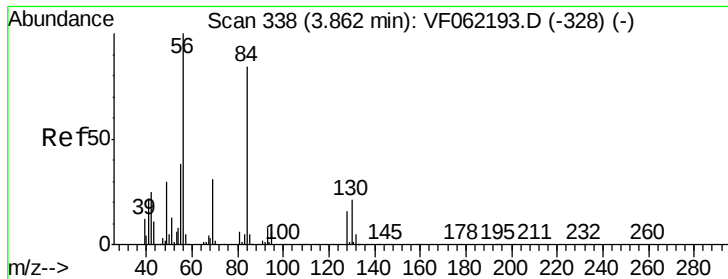
83 100

85 59.8 51.8 77.8



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

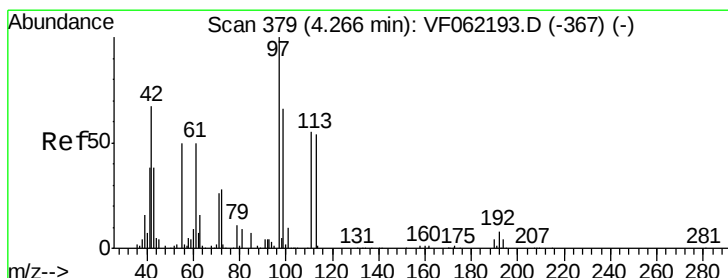
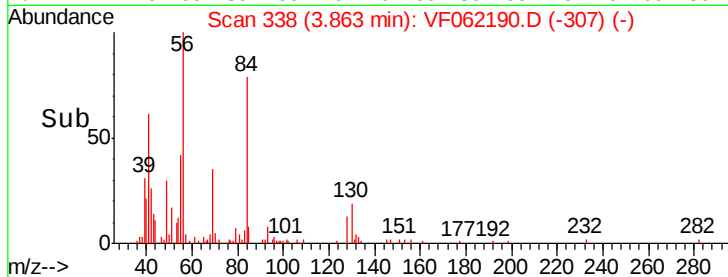
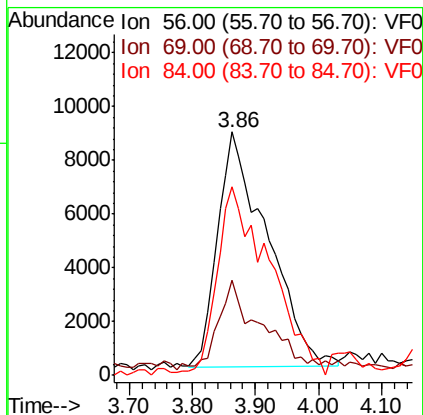
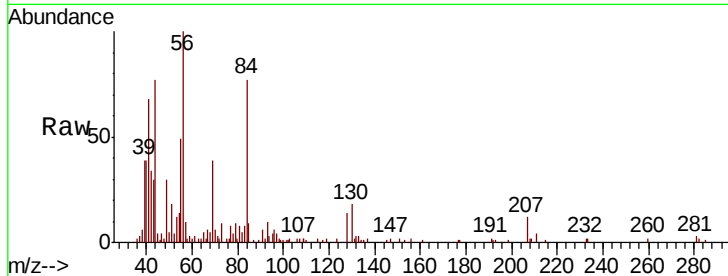




#31
Cyclohexane
Concen: 5.538 ug/l
RT: 3.86 min Scan# 338
Delta R.T. 0.00 min
Lab File: VF062190.D
Acq: 17 Apr 2019 17:11

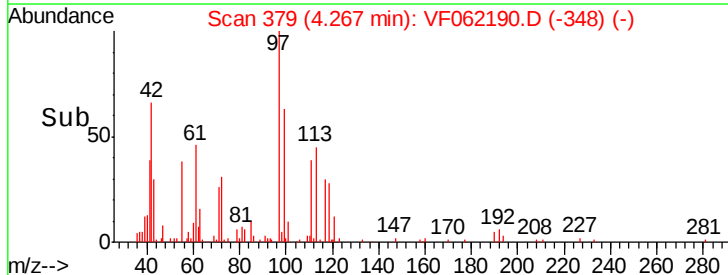
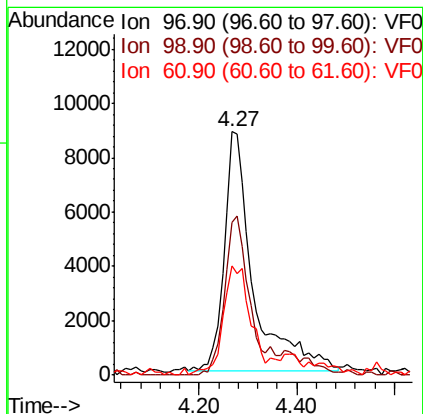
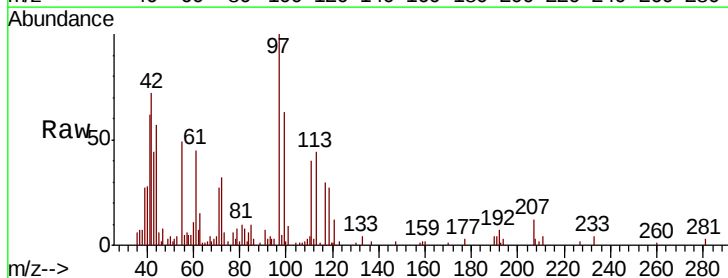
Instrument :
MSVOA_F
ClientSampleId :

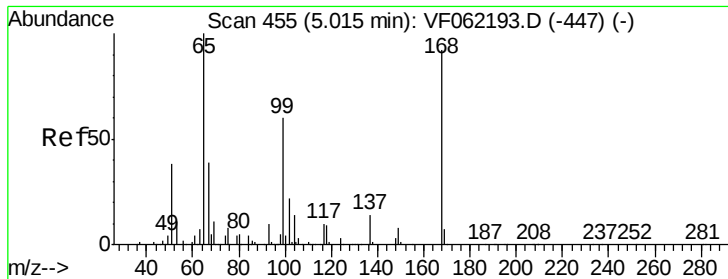
Tot Ion: 56 Resp: 48130
Ion Ratio Lower Upper
56 100
69 36.6 25.1 37.7
84 78.3 67.8 101.6



#32
1,1,1-Trichloroethane
Concen: 5.842 ug/l
RT: 4.27 min Scan# 379
Delta R.T. 0.00 min
Lab File: VF062190.D
Acq: 17 Apr 2019 17:11

Tgt Ion: 97 Resp: 37005
Ion Ratio Lower Upper
97 100
99 57.8 52.7 79.1
61 44.0 53.0 79.4#





#33

1,2-Dichloroethane-d4

Concen: 3.796 ug/l

RT: 5.02 min Scan# 455

Delta R.T. 0.00 min

Lab File: VF062190.D

Acq: 17 Apr 2019 17:11

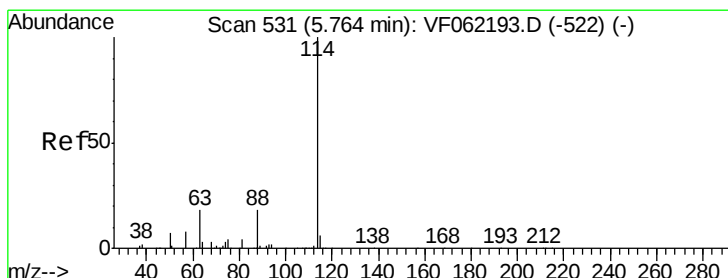
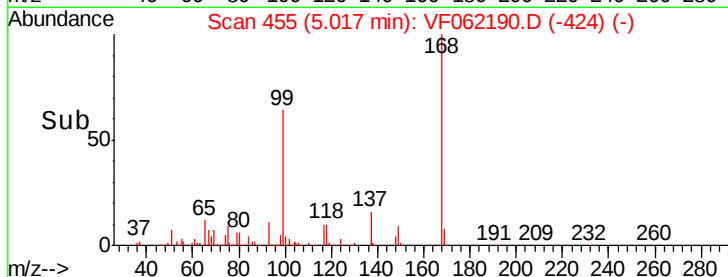
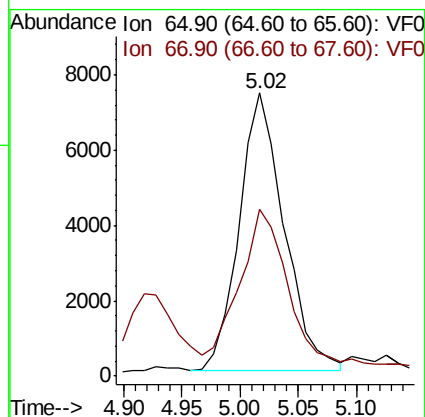
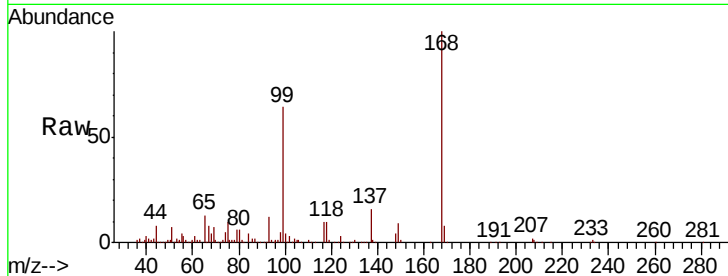
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 65 Resp: 19655

Ion Ratio Lower Upper

65 100

67 64.6 0.0 109.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.76 min Scan# 530

Delta R.T. -0.01 min

Lab File: VF062190.D

Acq: 17 Apr 2019 17:11

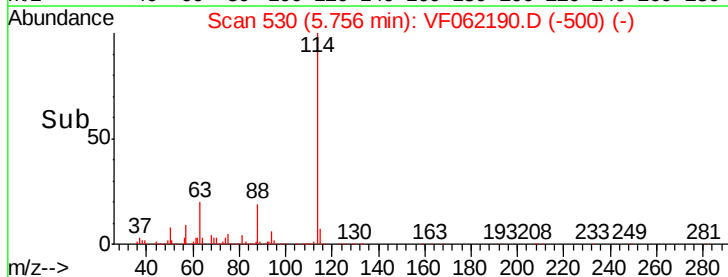
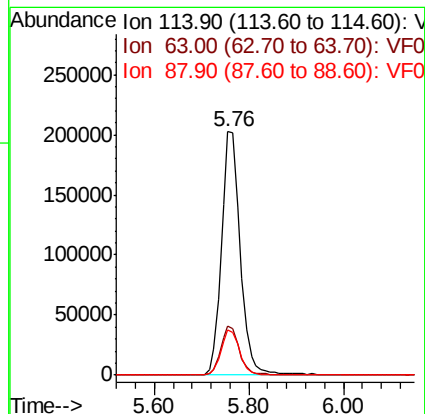
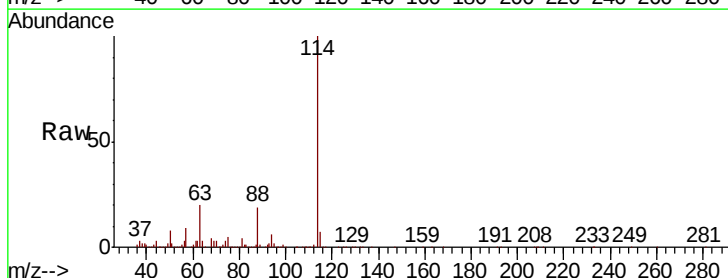
Tgt Ion: 114 Resp: 557339

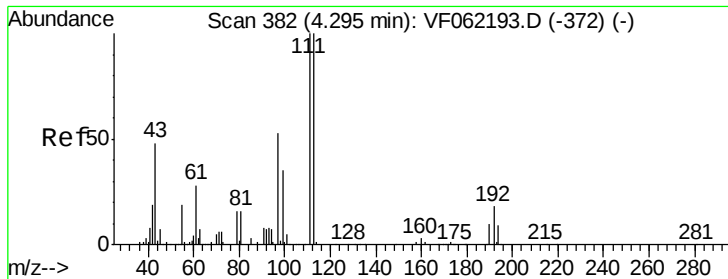
Ion Ratio Lower Upper

114 100

63 20.0 0.0 36.6

88 18.6 0.0 35.8

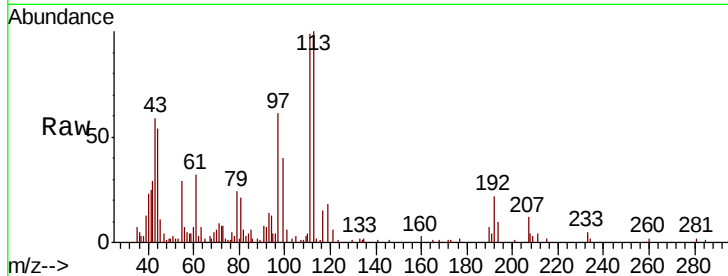




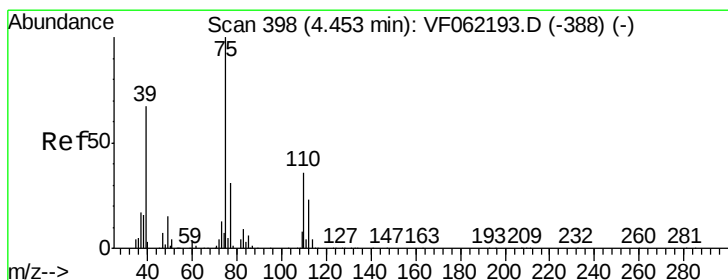
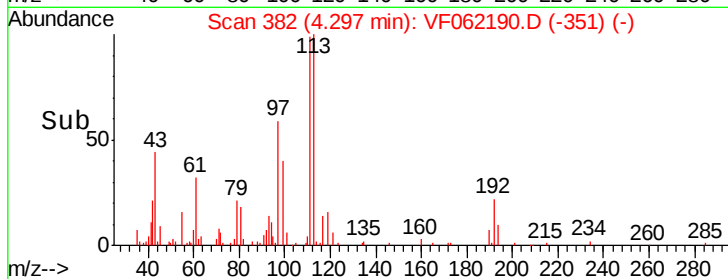
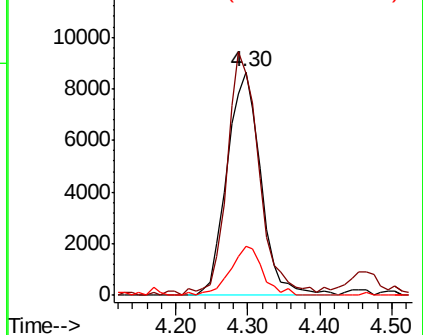
#35
 Dibromofluoromethane
 Concen: 7.390 ug/l
 RT: 4.30 min Scan# 382
 Delta R.T. 0.00 min
 Lab File: VF062190.D
 Acq: 17 Apr 2019 17:11

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion:113 Resp: 28246
 Ion Ratio Lower Upper
 113 100
 111 103.4 81.1 121.7
 192 21.1 14.7 22.1

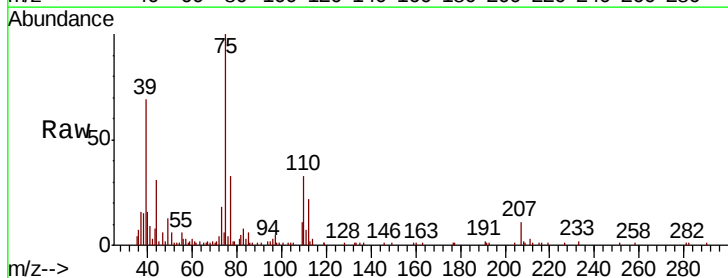


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

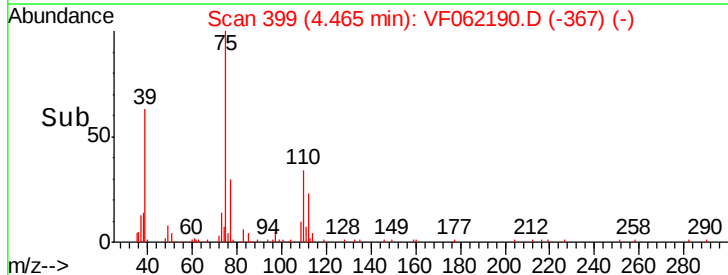
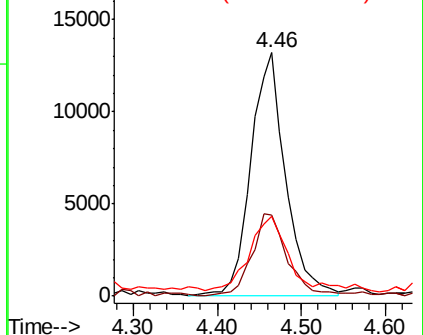


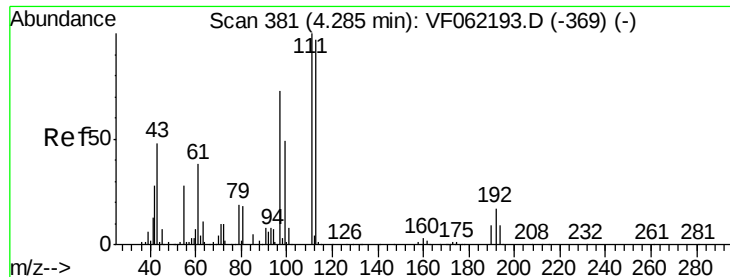
#36
 1,1-Dichloropropene
 Concen: 6.421 ug/l
 RT: 4.46 min Scan# 399
 Delta R.T. 0.01 min
 Lab File: VF062190.D
 Acq: 17 Apr 2019 17:11

Tgt Ion: 75 Resp: 38365
 Ion Ratio Lower Upper
 75 100
 110 34.5 18.4 55.2
 77 36.6 25.4 38.2



Abundance Ion 74.90 (74.60 to 75.60): VF0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VF0

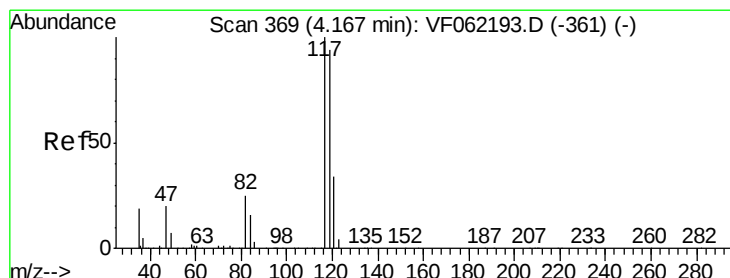
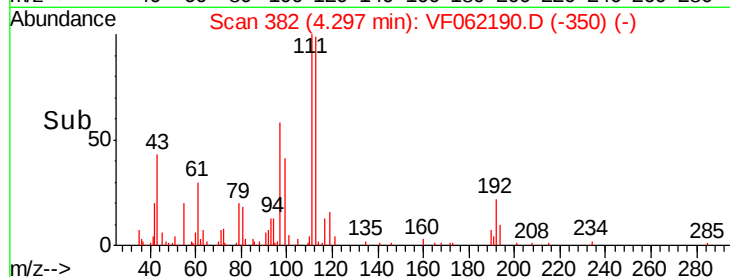
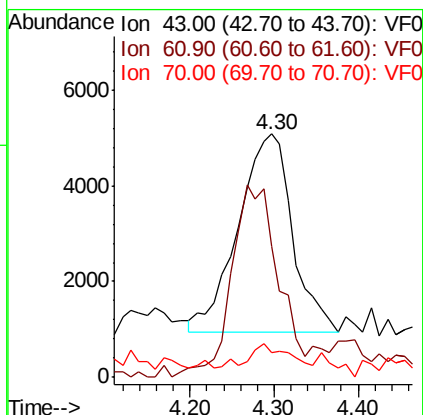
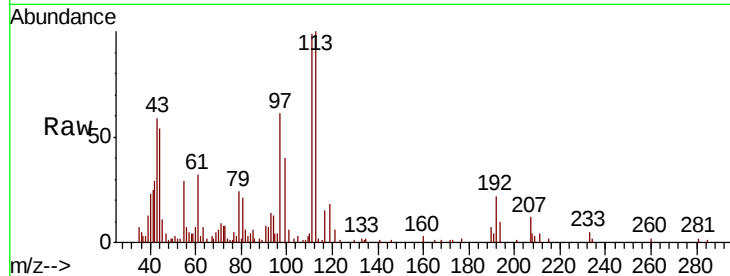




#37
Ethyl Acetate
Concen: 2.779 ug/l
RT: 4.30 min Scan# 382
Delta R.T. 0.01 min
Lab File: VF062190.D
Acq: 17 Apr 2019 17:11

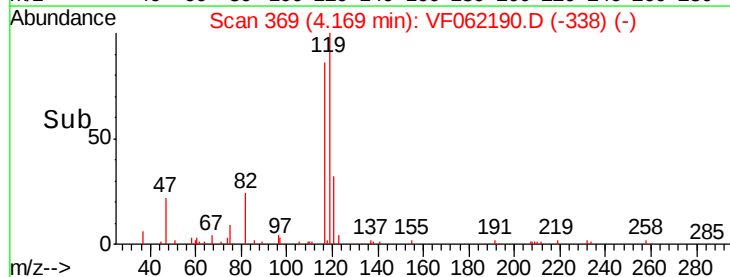
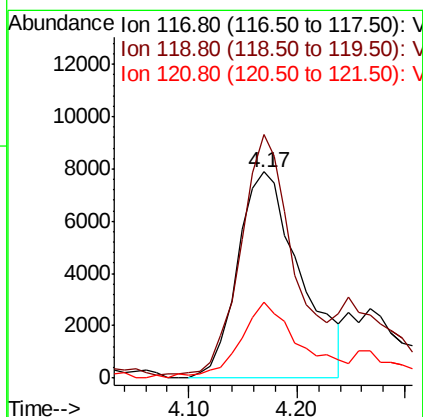
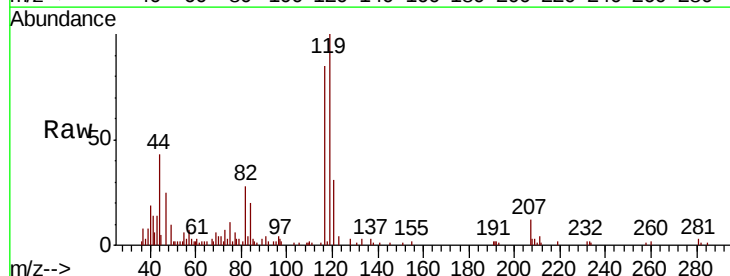
Instrument :
MSVOA_F
ClientSampleId :

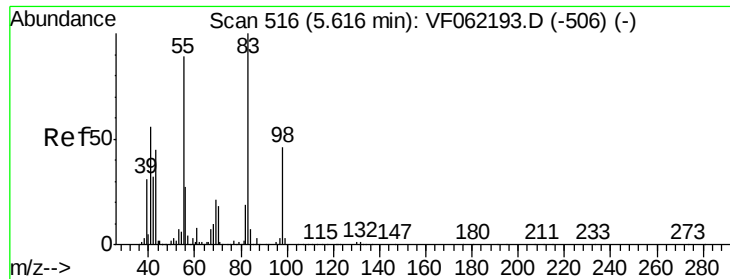
Tot Ion: 43 Resp: 18575
Ion Ratio Lower Upper
43 100
61 0.0 0.0 0.0
70 10.4 7.8 11.6



#38
Carbon Tetrachloride
Concen: 6.373 ug/l
RT: 4.17 min Scan# 369
Delta R.T. 0.00 min
Lab File: VF062190.D
Acq: 17 Apr 2019 17:11

Tgt Ion: 117 Resp: 31818
Ion Ratio Lower Upper
117 100
119 115.6 75.0 112.4#
121 35.5 26.9 40.3

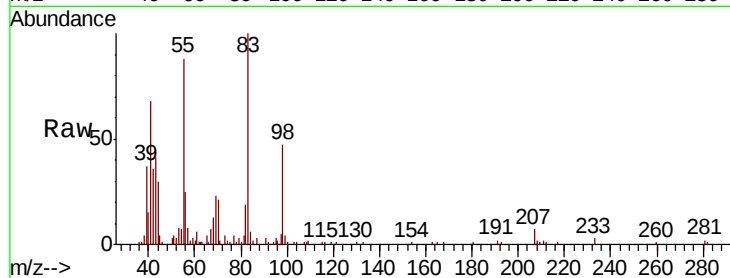




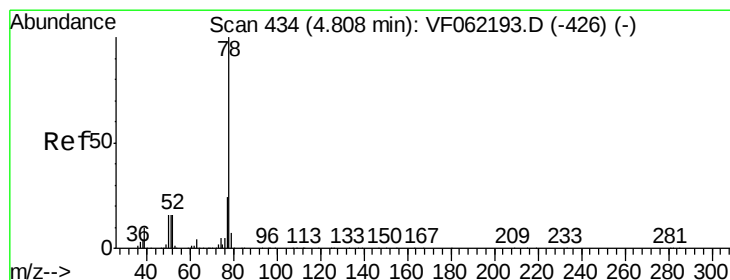
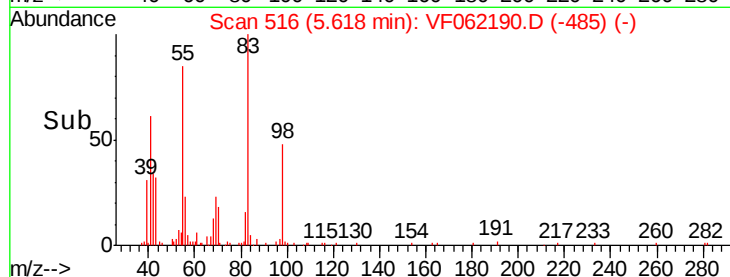
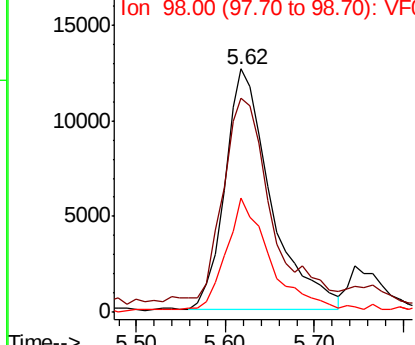
#39
Methvlcvclohexane
Concen: 6.324 ug/l
RT: 5.62 min Scan# 516
Delta R.T. 0.00 min
Lab File: VF062190.D
Acq: 17 Apr 2019 17:11

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 83 Resp: 45634
Ion Ratio Lower Upper
83 100
55 82.6 71.0 106.6
98 45.6 36.7 55.1

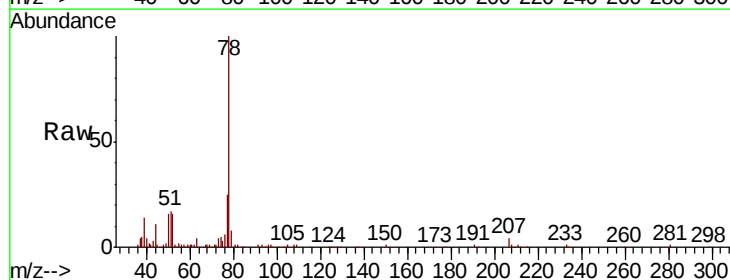


Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 55.00 (54.70 to 55.70): VF0
Ion 98.00 (97.70 to 98.70): VF0

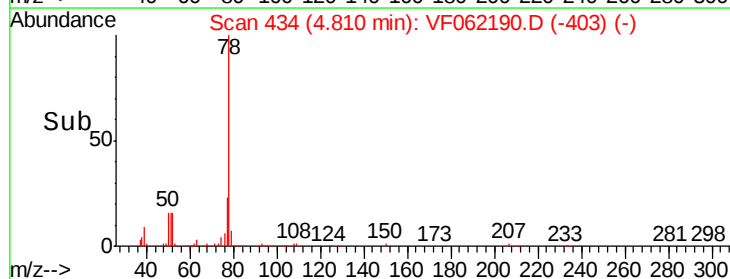
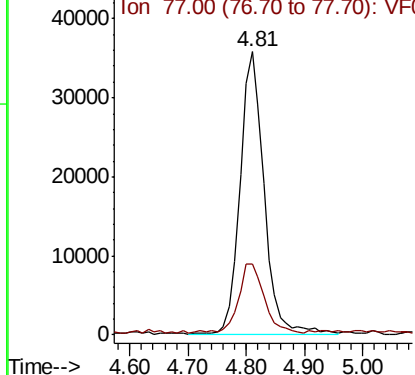


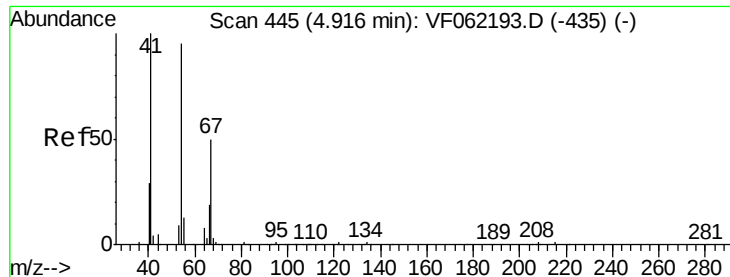
#40
Benzene
Concen: 5.933 ug/l
RT: 4.81 min Scan# 434
Delta R.T. 0.00 min
Lab File: VF062190.D
Acq: 17 Apr 2019 17:11

Tgt Ion: 78 Resp: 101664
Ion Ratio Lower Upper
78 100
77 24.3 18.9 28.3



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

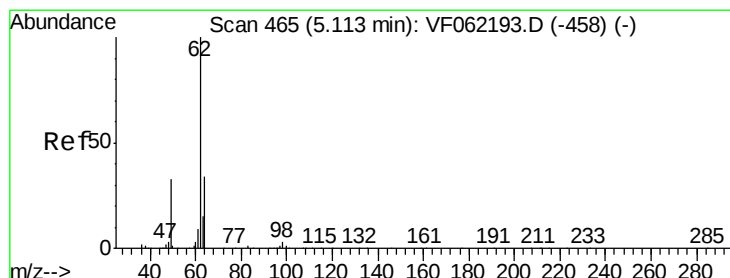
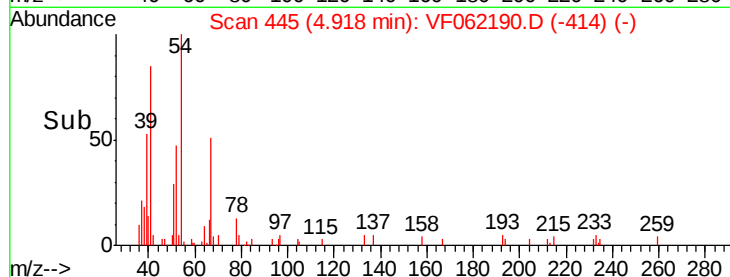
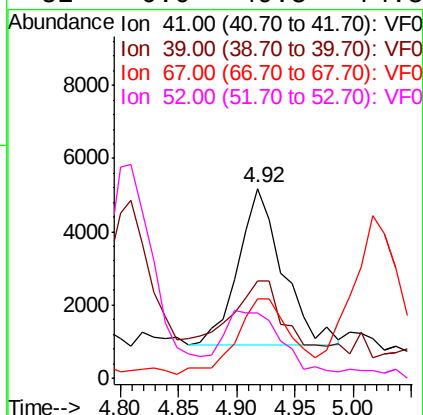
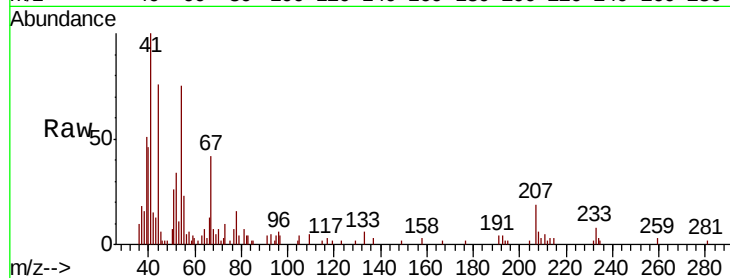




#41
Methacrylonitrile
Concen: 2.939 ug/l
RT: 4.92 min Scan# 445
Delta R.T. 0.00 min
Lab File: VF062190.D
Acq: 17 Apr 2019 17:11

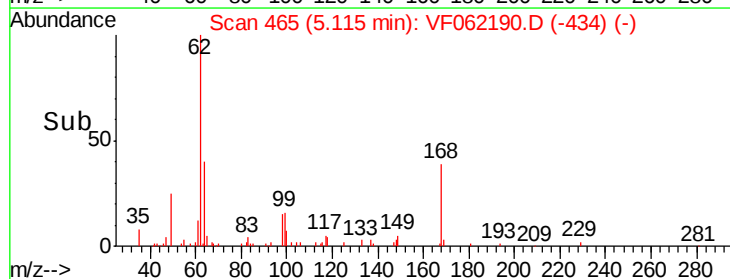
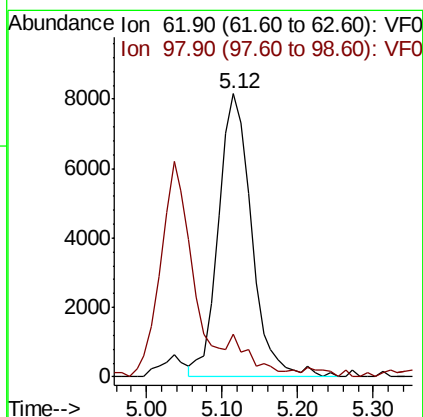
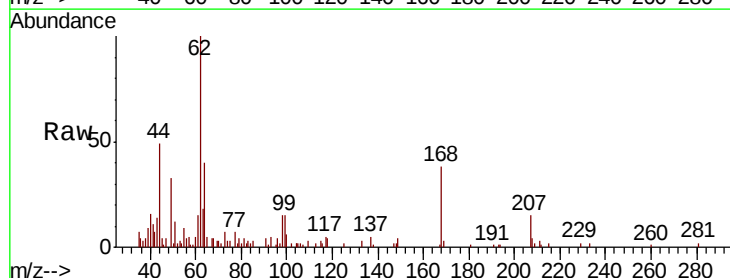
Instrument :
MSVOA_F
ClientSampleId :

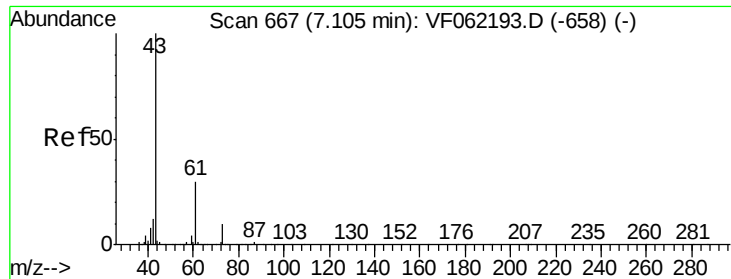
Tot Ion:	41	Resp:	11358
Ion	Ratio	Lower	Upper
41	100		
39	44.0	44.7	67.1#
67	58.0	39.1	58.7
52	0.0	49.8	74.8#



#42
1,2-Dichloroethane
Concen: 4.263 ug/l
RT: 5.12 min Scan# 465
Delta R.T. 0.00 min
Lab File: VF062190.D
Acq: 17 Apr 2019 17:11

Tgt Ion:	62	Resp:	24869
Ion	Ratio	Lower	Upper
62	100		
98	0.0	0.0	19.0





#43

Isopropyl Acetate

Concen: 1.936 ug/l

RT: 7.11 min Scan# 667

Delta R.T. 0.00 min

Lab File: VF062190.D

Acq: 17 Apr 2019 17:11

Instrument :
MSVOA_F
ClientSampleId :

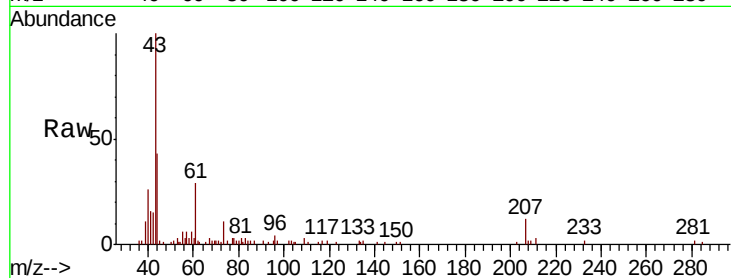
Tot Ion: 43 Resp: 20382

Ion Ratio Lower Upper

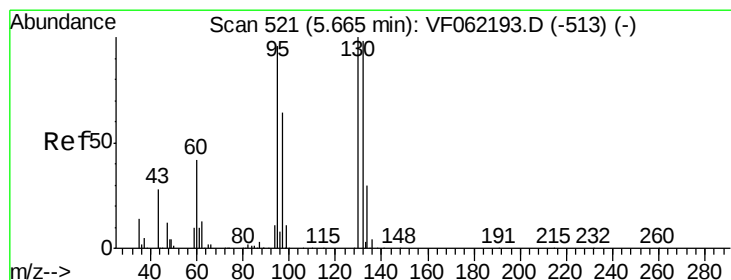
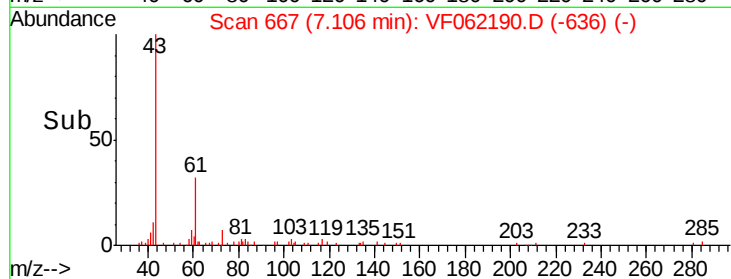
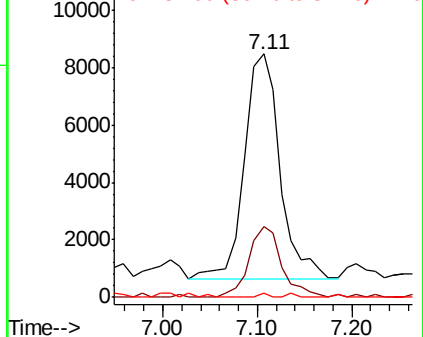
43 100

61 29.2 24.4 36.6

87 0.4 0.4 0.6



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



#44

Trichloroethene

Concen: 6.162 ug/l

RT: 5.67 min Scan# 521

Delta R.T. 0.00 min

Lab File: VF062190.D

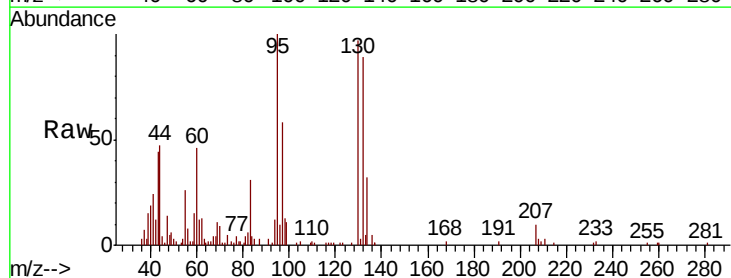
Acq: 17 Apr 2019 17:11

Tgt Ion: 130 Resp: 26488

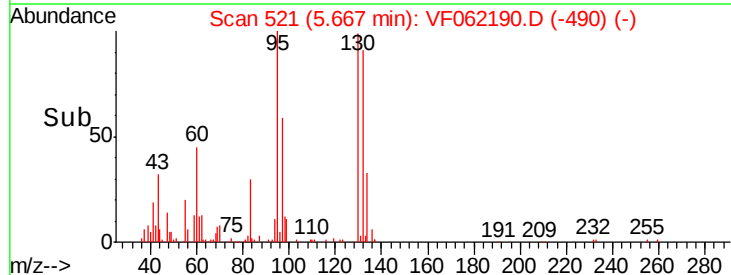
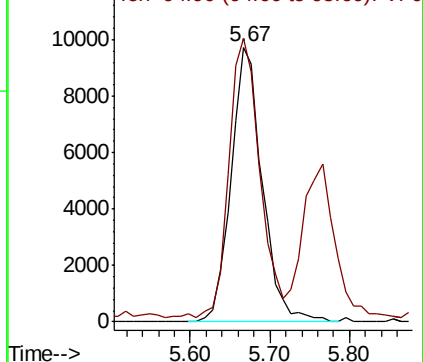
Ion Ratio Lower Upper

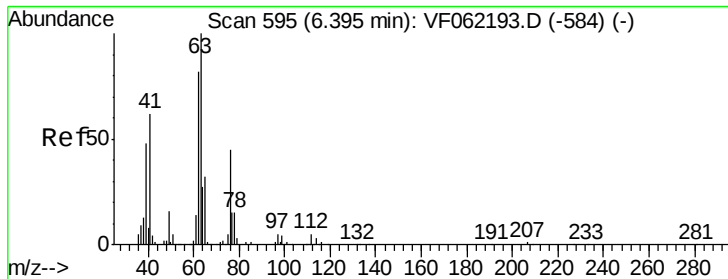
130 100

95 100.2 0.0 191.4



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





#45

1,2-Dichloropropane

Concen: 4.671 ug/l

RT: 6.40 min Scan# 595

Delta R.T. 0.00 min

Lab File: VF062190.D

Acq: 17 Apr 2019 17:11

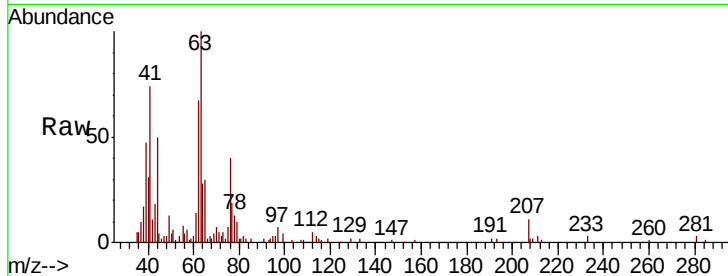
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 63 Resp: 21403

Ion Ratio Lower Upper

63 100

65 29.2 25.9 38.9



Abundance Ion 62.90 (62.60 to 63.60): VF0

Ion 64.90 (64.60 to 65.60): VF0

6.40

8000

6000

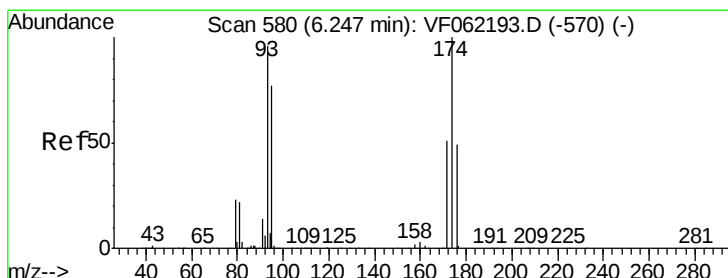
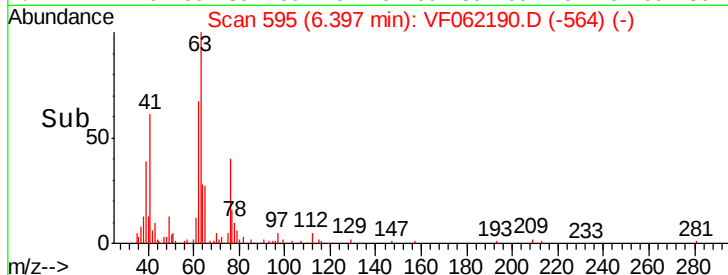
4000

2000

0

6.30 6.40 6.50

Time-->



#46

Dibromomethane

Concen: 4.936 ug/l

RT: 6.25 min Scan# 580

Delta R.T. 0.00 min

Lab File: VF062190.D

Acq: 17 Apr 2019 17:11

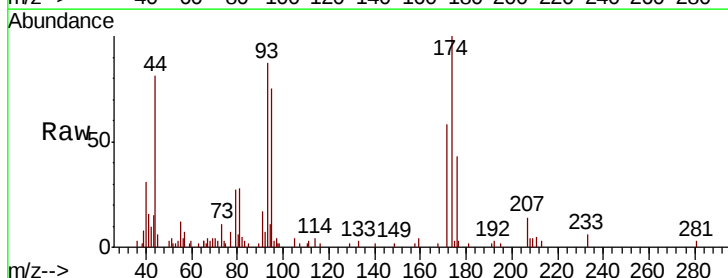
Tgt Ion: 93 Resp: 13556

Ion Ratio Lower Upper

93 100

95 79.9 65.1 97.7

174 102.2 81.8 122.6



Abundance Ion 92.80 (92.50 to 93.50): VF0

Ion 94.80 (94.50 to 95.50): VF0

Ion 173.70 (173.40 to 174.40): V

8000

6000

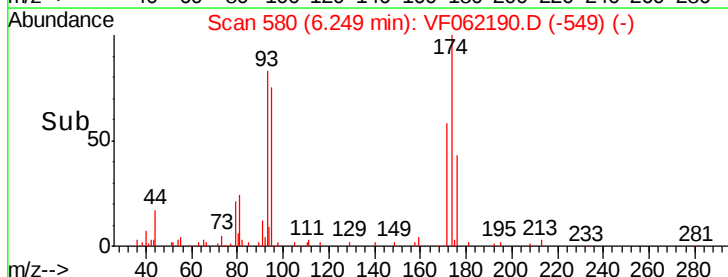
4000

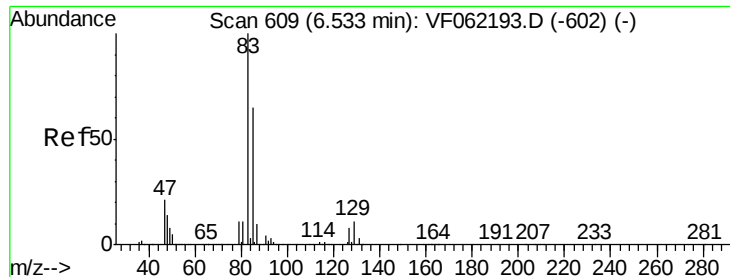
2000

0

6.15 6.20 6.25 6.30 6.35

Time-->





#47

Bromodichloromethane

Concen: 5.845 ug/l

RT: 6.53 min Scan# 609

Delta R.T. 0.00 min

Lab File: VF062190.D

Acq: 17 Apr 2019 17:11

Instrument :

MSVOA_F

ClientSampleId :

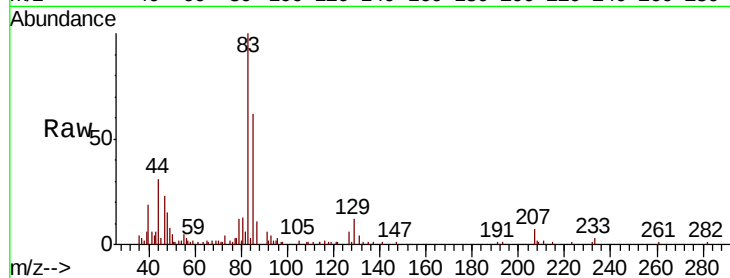
Tot Ion: 83 Resp: 31865

Ion Ratio Lower Upper

83 100

85 61.3 52.2 78.4

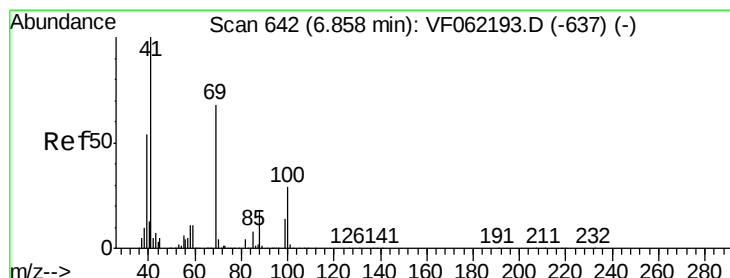
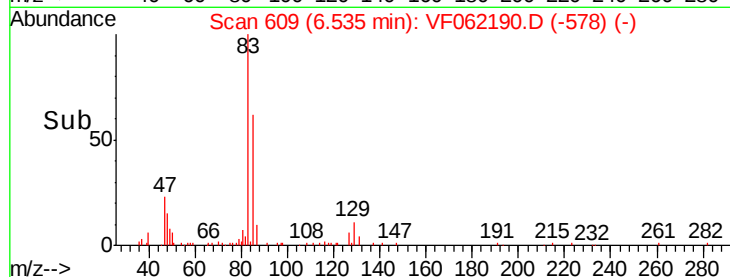
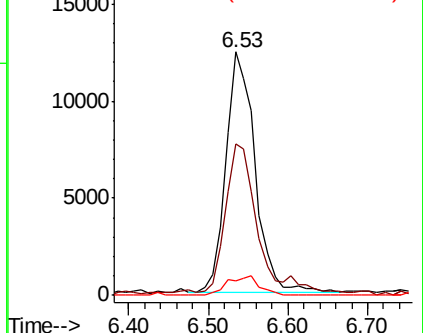
127 6.3 6.7 10.1#



Abundance Ion 82.90 (82.60 to 83.60): VF0

Ion 84.90 (84.60 to 85.60): VF0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 2.466 ug/l

RT: 6.87 min Scan# 643

Delta R.T. 0.01 min

Lab File: VF062190.D

Acq: 17 Apr 2019 17:11

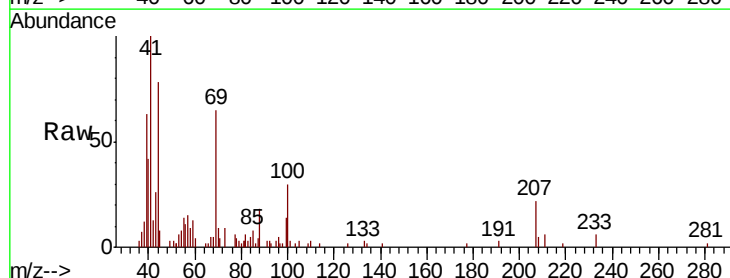
Tgt Ion: 41 Resp: 13030

Ion Ratio Lower Upper

41 100

69 68.2 54.9 82.3

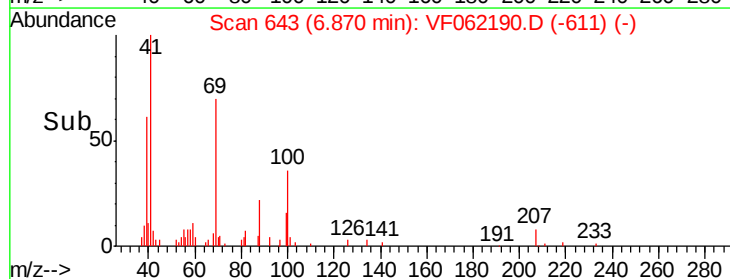
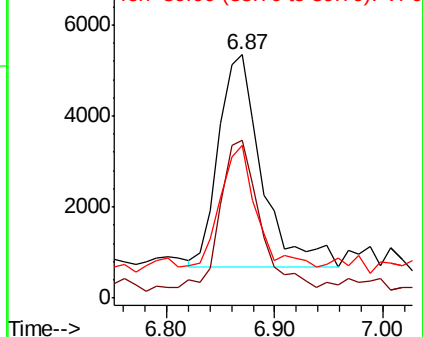
39 55.7 43.6 65.4

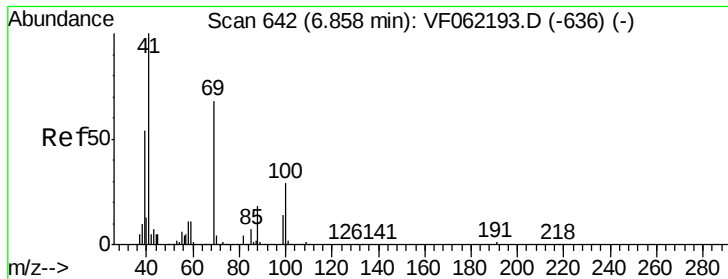


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

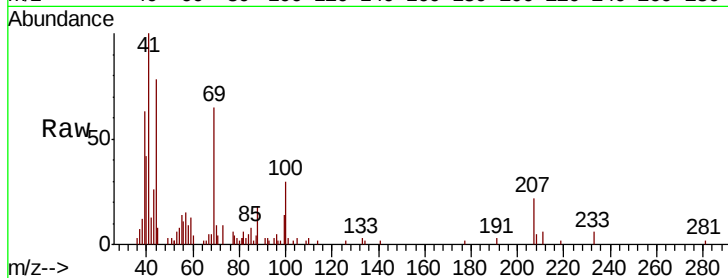




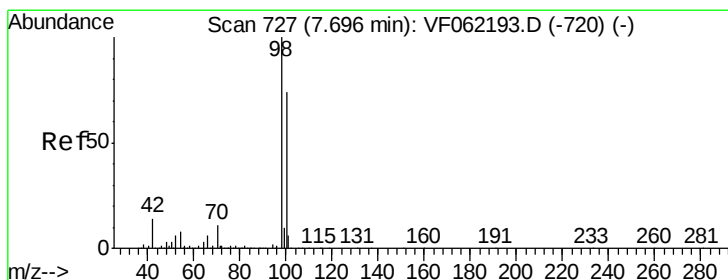
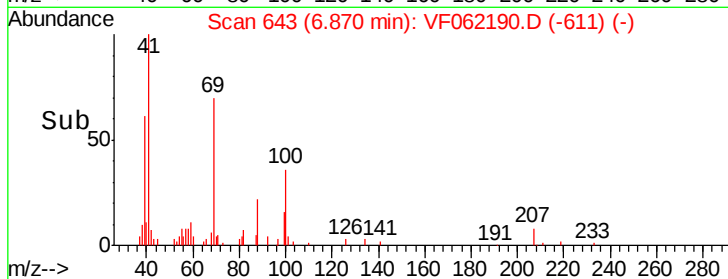
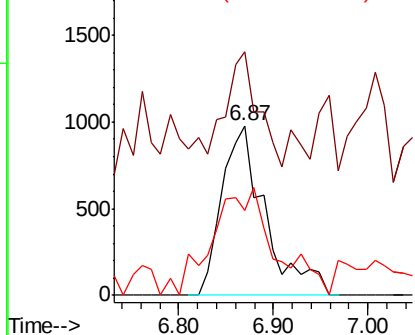
#49
1,4-Dioxane
Concen: 31.771 ug/l
RT: 6.87 min Scan# 643
Delta R.T. 0.01 min
Lab File: VF062190.D
Acq: 17 Apr 2019 17:11

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 88 Resp: 3111
Ion Ratio Lower Upper
88 100
43 53.1 36.9 55.3
58 81.8 56.8 85.2

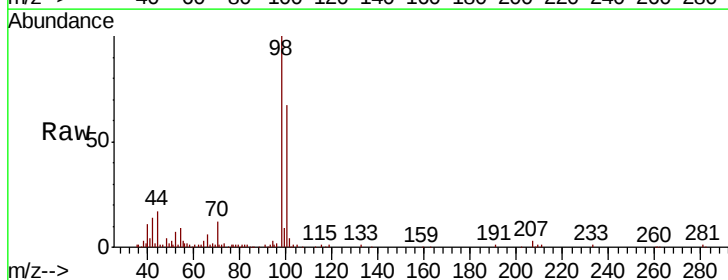


Abundance Ion 88.00 (87.70 to 88.70): VF0
Ion 43.00 (42.70 to 43.70): VF0
Ion 58.00 (57.70 to 58.70): VF0

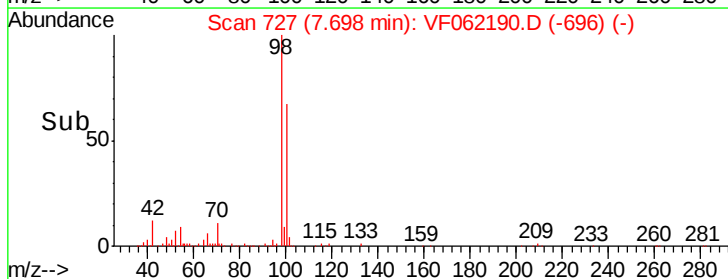
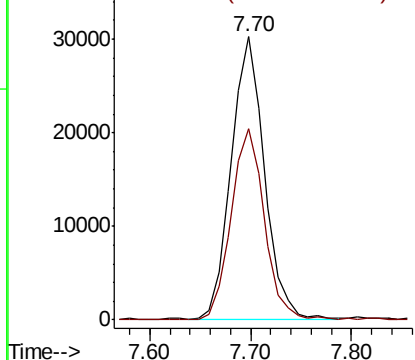


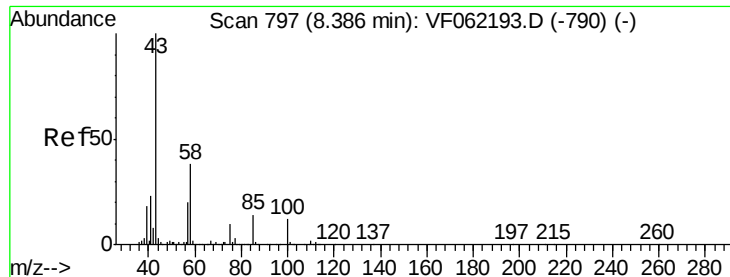
#50
Toluene-d8
Concen: 5.014 ug/l
RT: 7.70 min Scan# 727
Delta R.T. 0.00 min
Lab File: VF062190.D
Acq: 17 Apr 2019 17:11

Tgt Ion: 98 Resp: 69869
Ion Ratio Lower Upper
98 100
100 67.2 56.2 84.2



Abundance Ion 98.00 (97.70 to 98.70): VF0
Ion 100.00 (99.70 to 100.70): VF0





#51

4-Methyl-2-Pentanone

Concen: 11.108 ug/l

RT: 8.39 min Scan# 797

Delta R.T. 0.00 min

Lab File: VF062190.D

Acq: 17 Apr 2019 17:11

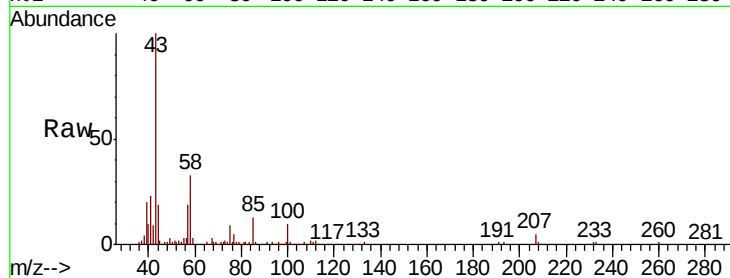
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 75147

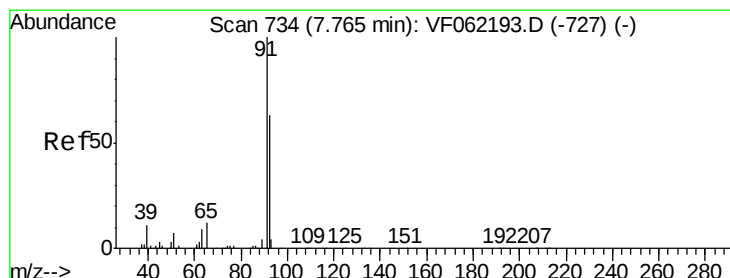
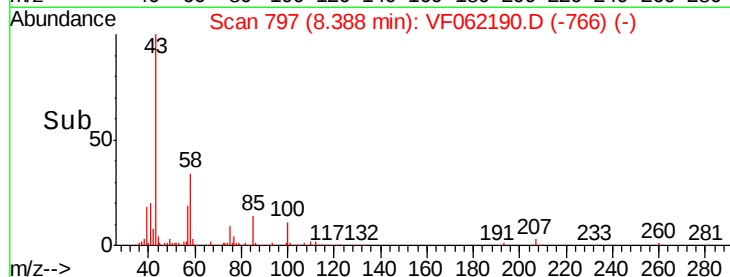
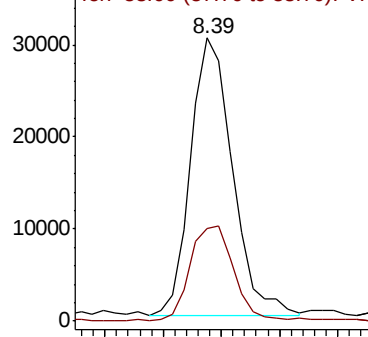
Ion Ratio Lower Upper

43 100

58 36.5 29.3 43.9



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



#52

Toluene

Concen: 5.094 ug/l

RT: 7.77 min Scan# 734

Delta R.T. 0.00 min

Lab File: VF062190.D

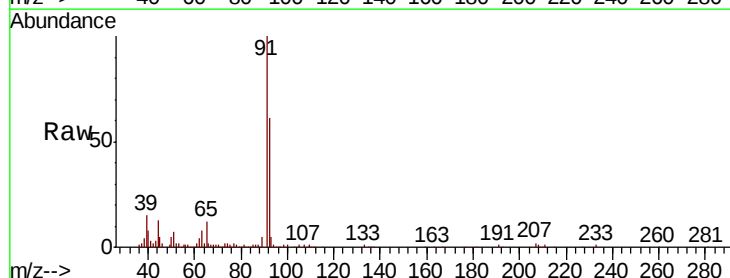
Acq: 17 Apr 2019 17:11

Tgt Ion: 92 Resp: 51563

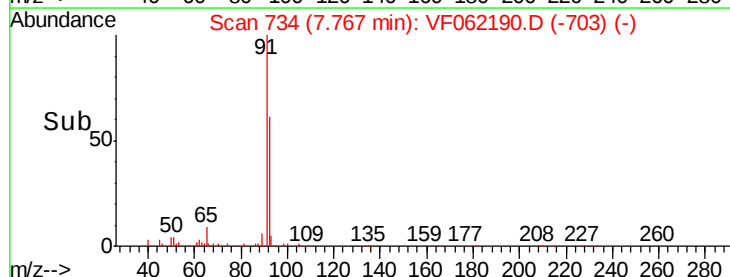
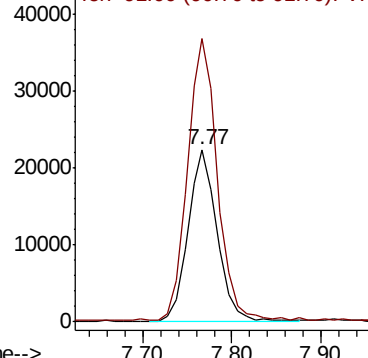
Ion Ratio Lower Upper

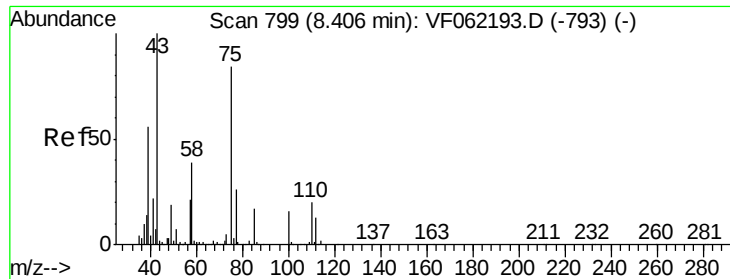
92 100

91 167.3 130.1 195.1



Abundance Ion 92.00 (91.70 to 92.70): VF0
Ion 91.00 (90.70 to 91.70): VF0

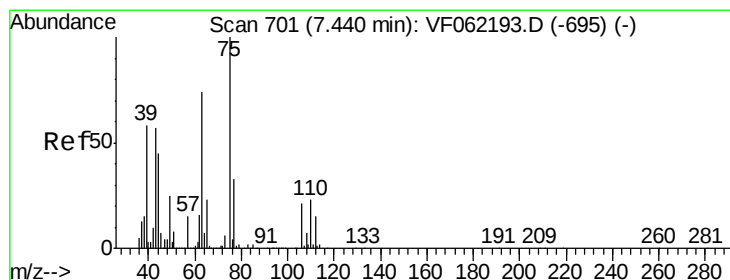
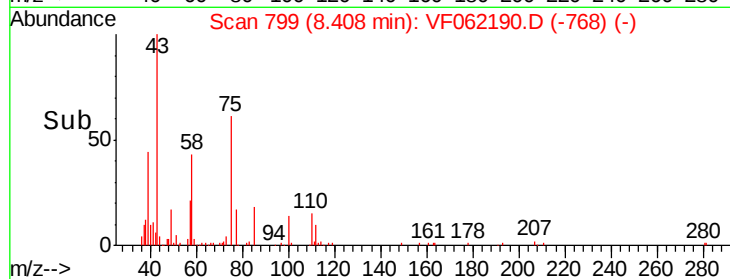
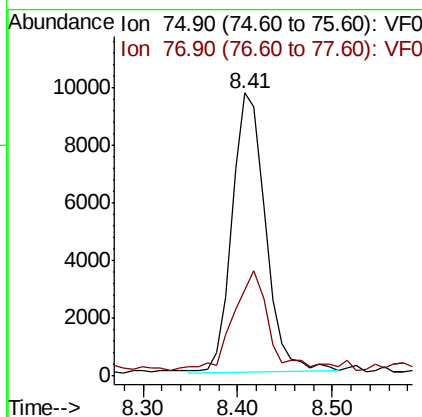
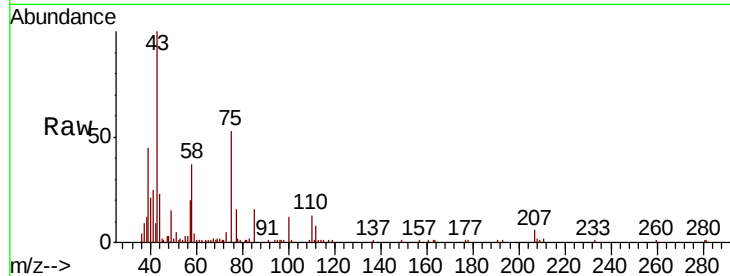




#53
 t-1,3-Dichloropropene
 Concen: 4.039 ug/l
 RT: 8.41 min Scan# 799
 Delta R.T. 0.00 min
 Lab File: VF062190.D
 Acq: 17 Apr 2019 17:11

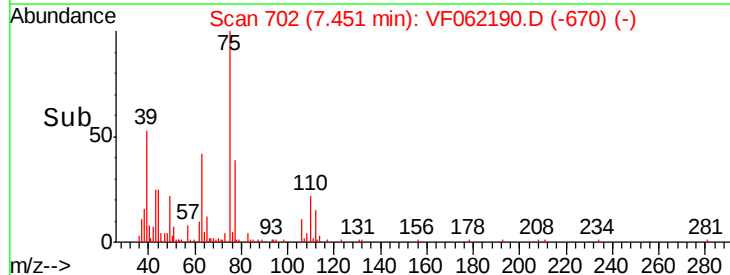
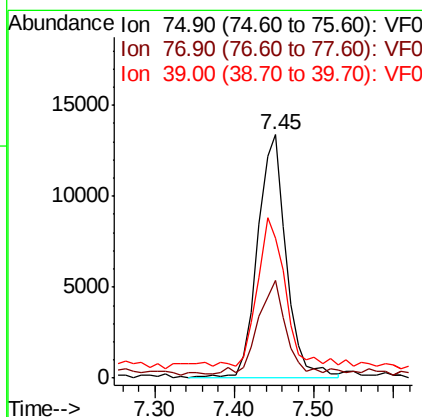
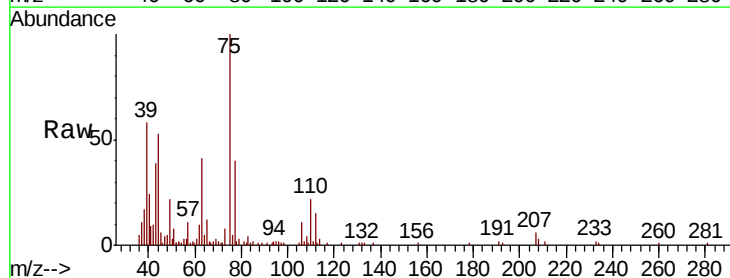
Instrument :
 MSVOA_F
 ClientSampleId :

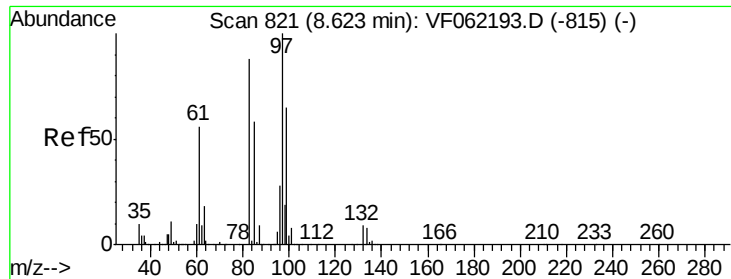
Tot Ion: 75 Resp: 23689
 Ion Ratio Lower Upper
 75 100
 77 27.9 24.6 36.8



#54
 cis-1,3-Dichloropropene
 Concen: 4.899 ug/l
 RT: 7.45 min Scan# 702
 Delta R.T. 0.01 min
 Lab File: VF062190.D
 Acq: 17 Apr 2019 17:11

Tgt Ion: 75 Resp: 33109
 Ion Ratio Lower Upper
 75 100
 77 38.1 26.4 39.6
 39 52.2 46.7 70.1





#55

1,1,2-Trichloroethane

Concen: 3.577 ug/l

RT: 8.62 min Scan# 821

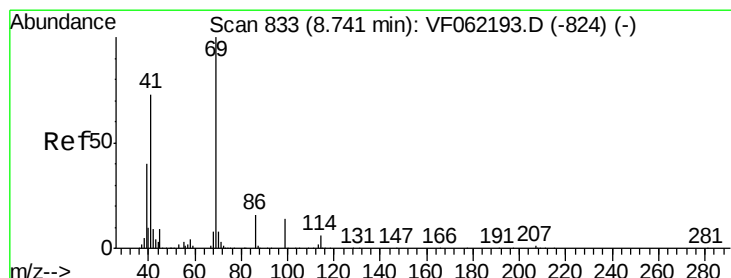
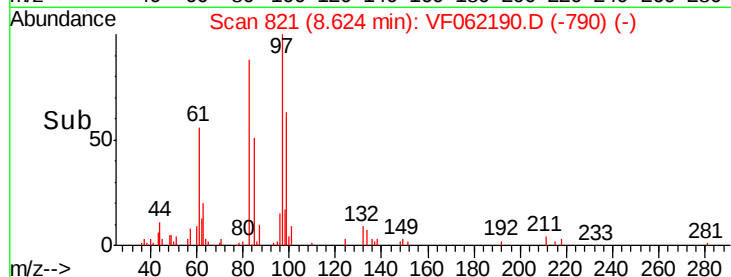
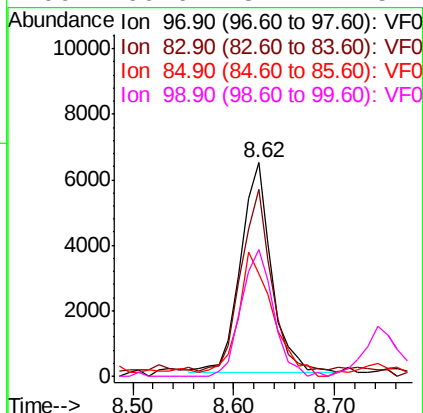
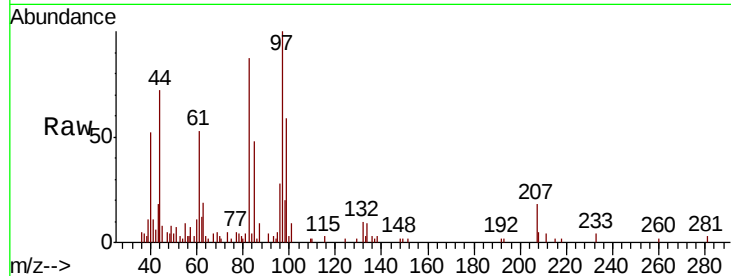
Delta R.T. 0.00 min

Lab File: VF062190.D

Acq: 17 Apr 2019 17:11

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	97	Resp:	13644
Ion	Ratio	Lower	Upper
97	100		
83	85.2	70.2	105.2
85	46.5	46.2	69.4
99	60.6	52.2	78.4



#56

Ethyl methacrylate

Concen: 2.576 ug/l

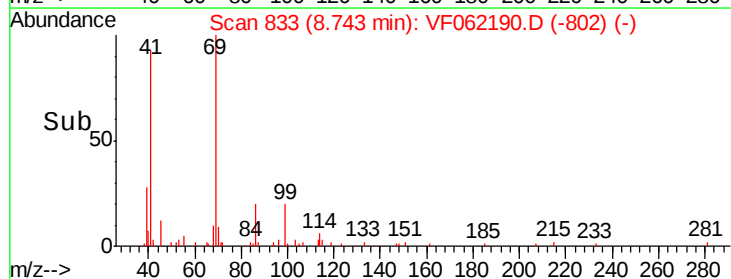
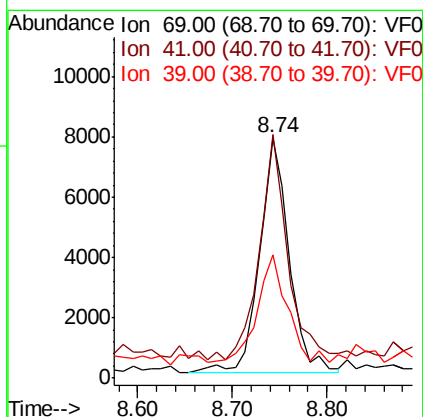
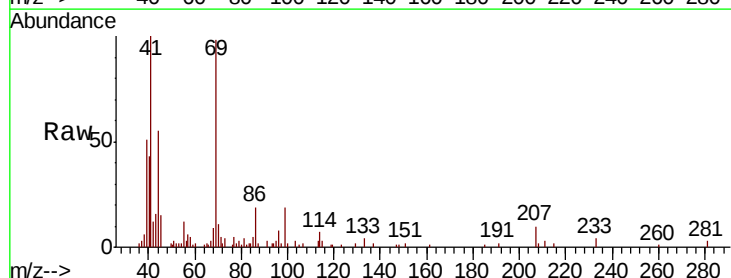
RT: 8.74 min Scan# 833

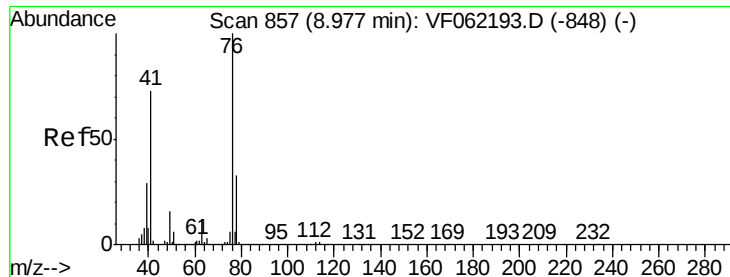
Delta R.T. 0.00 min

Lab File: VF062190.D

Acq: 17 Apr 2019 17:11

Tgt Ion:	69	Resp:	16781
Ion	Ratio	Lower	Upper
69	100		
41	93.9	61.5	92.3#
39	47.3	33.3	49.9





#57

1,3-Dichloropropane

Concen: 3.368 ug/l

RT: 8.98 min Scan# 857

Delta R.T. 0.00 min

Lab File: VF062190.D

Acq: 17 Apr 2019 17:11

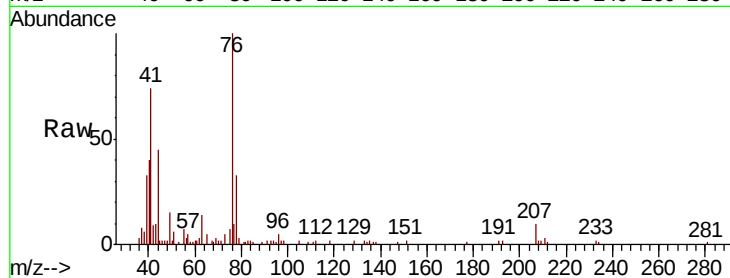
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 76 Resp: 22640

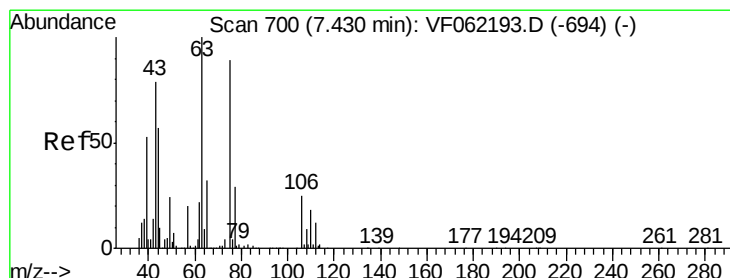
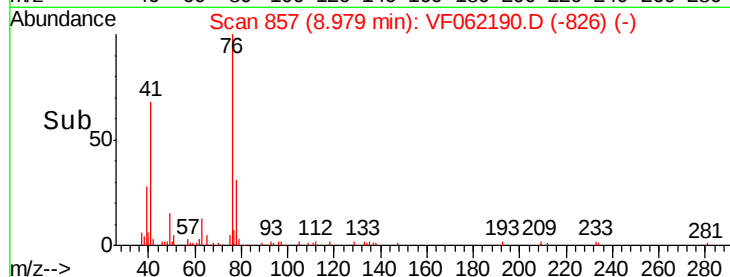
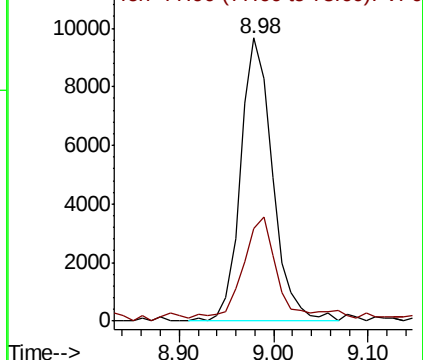
Ion Ratio Lower Upper

76 100

78 35.3 26.5 39.7



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: 6.120 ug/l

RT: 7.43 min Scan# 700

Delta R.T. 0.00 min

Lab File: VF062190.D

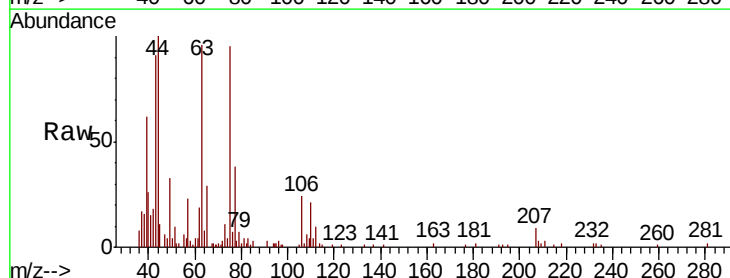
Acq: 17 Apr 2019 17:11

Tgt Ion: 63 Resp: 20817

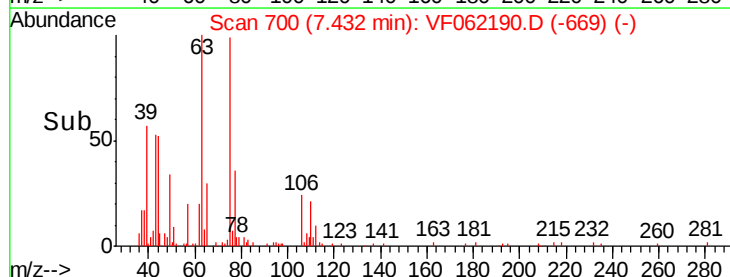
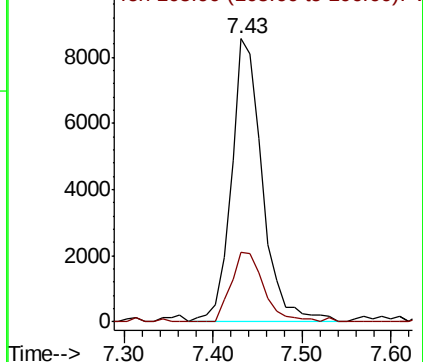
Ion Ratio Lower Upper

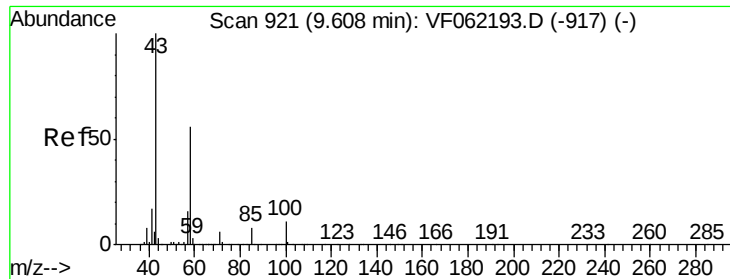
63 100

106 26.0 21.4 32.0



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

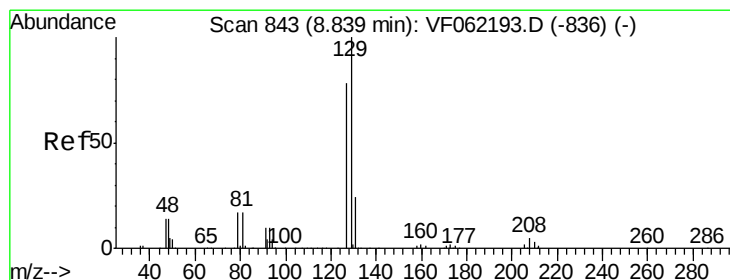
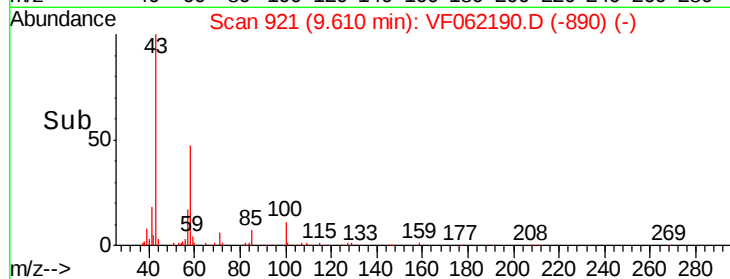
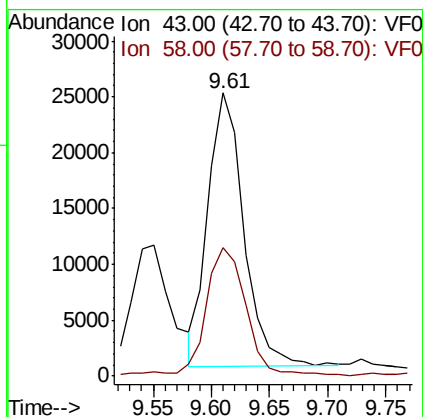
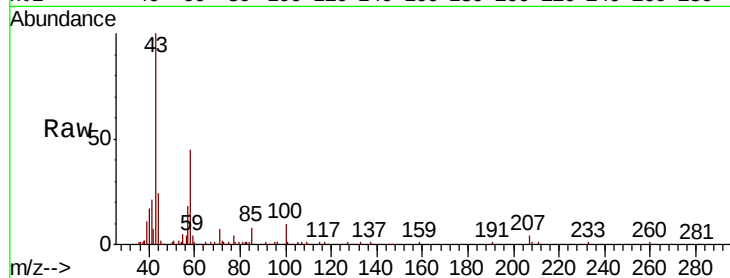




#59
2-Hexanone
Concen: 10.212 ug/l
RT: 9.61 min Scan# 921
Delta R.T. 0.00 min
Lab File: VF062190.D
Acq: 17 Apr 2019 17:11

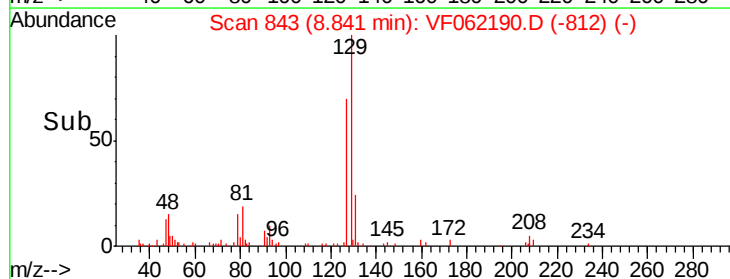
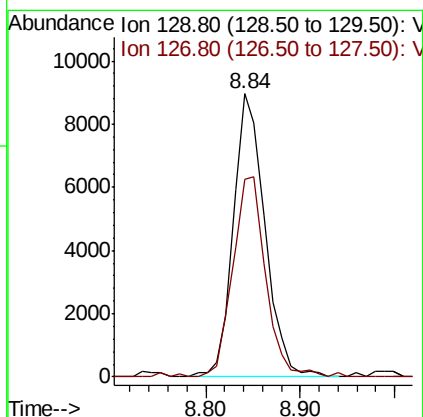
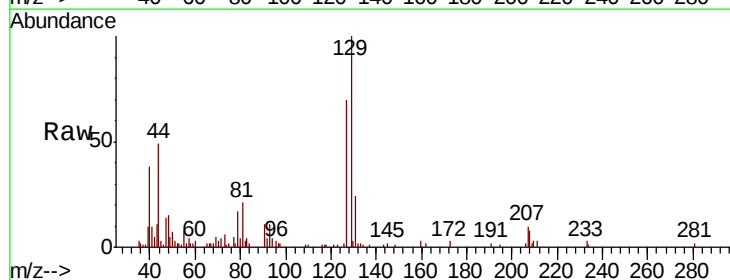
Instrument :
MSVOA_F
ClientSampleId :

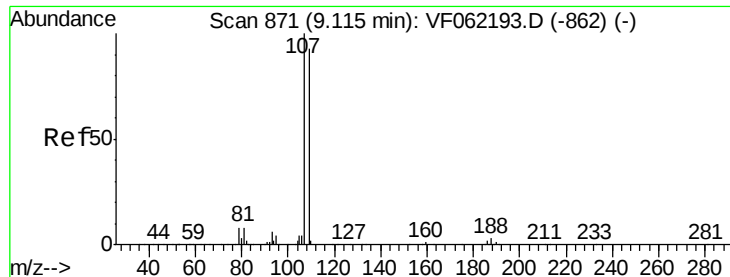
Tot Ion: 43 Resp: 52709
Ion Ratio Lower Upper
43 100
58 53.6 24.6 74.0



#60
Dibromochloromethane
Concen: 5.389 ug/l
RT: 8.84 min Scan# 843
Delta R.T. 0.00 min
Lab File: VF062190.D
Acq: 17 Apr 2019 17:11

Tgt Ion:129 Resp: 20781
Ion Ratio Lower Upper
129 100
127 73.2 39.0 117.0





#61

1,2-Dibromoethane

Concen: 3.938 ug/l

RT: 9.12 min Scan# 871

Delta R.T. 0.00 min

Lab File: VF062190.D

Acq: 17 Apr 2019 17:11

Instrument :

MSVOA_F

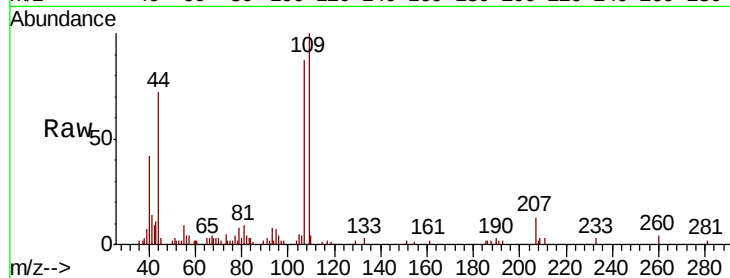
ClientSampleId :

Tot Ion:107 Resp: 15629

Ion Ratio Lower Upper

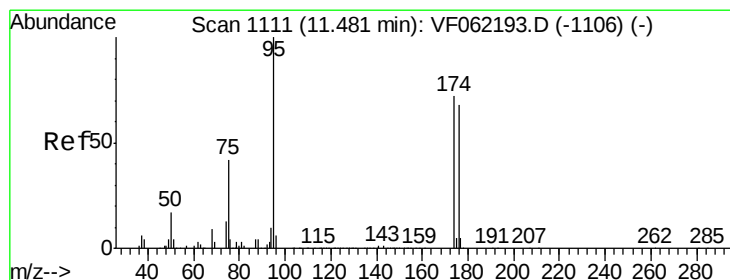
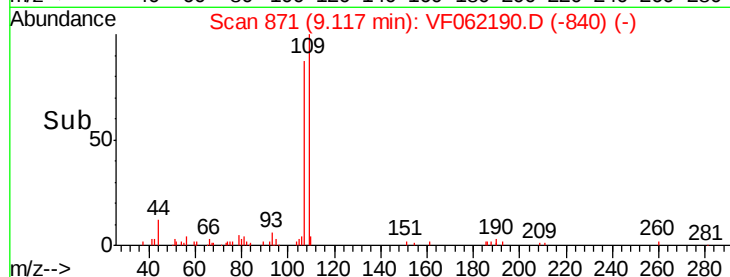
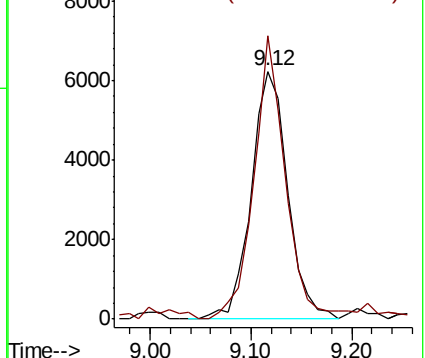
107 100

109 99.7 74.3 111.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 5.851 ug/l

RT: 11.48 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VF062190.D

Acq: 17 Apr 2019 17:11

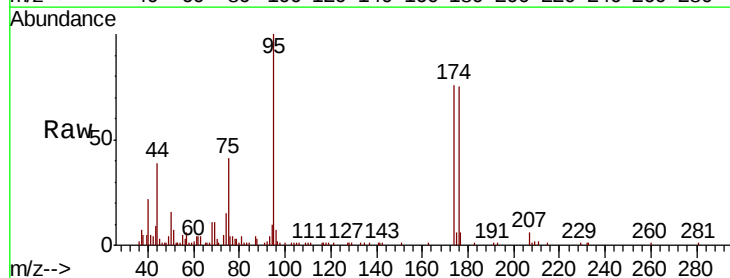
Tgt Ion: 95 Resp: 28936

Ion Ratio Lower Upper

95 100

174 80.2 0.0 159.4

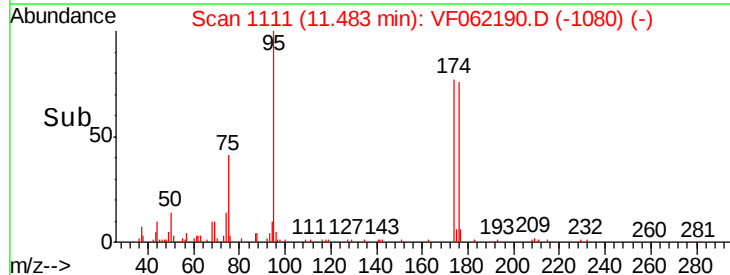
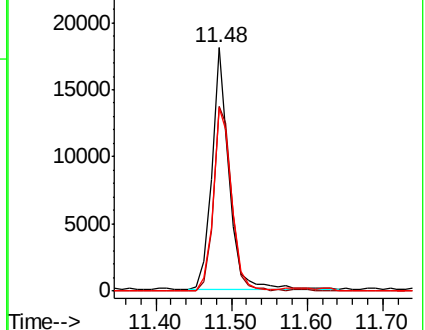
176 81.0 0.0 155.4

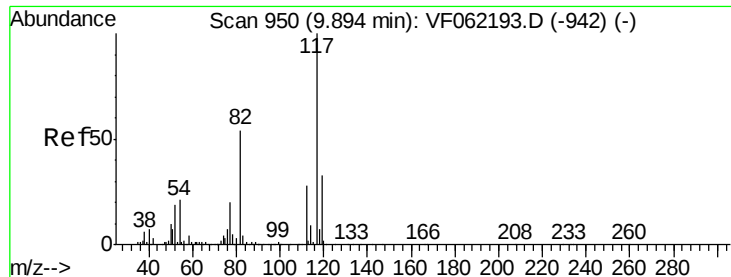


Abundance Ion 94.90 (94.60 to 95.60): VF0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

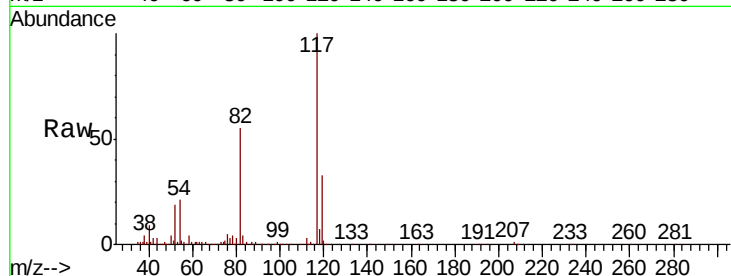




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.90 min Scan# 950
Delta R.T. 0.00 min
Lab File: VF062190.D
Acq: 17 Apr 2019 17:11

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.2	43.2	64.8
119	32.6	26.2	39.4

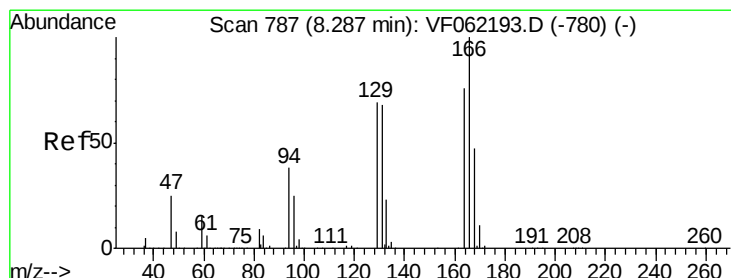
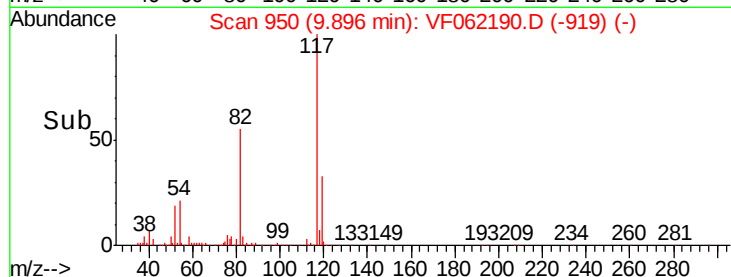
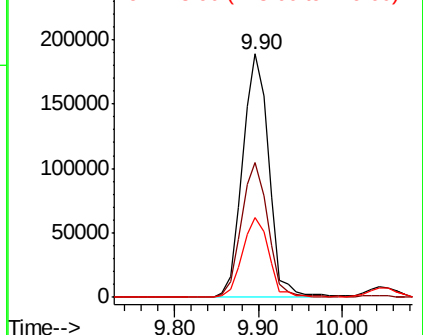


Abundance

Ion 116.90 (116.60 to 117.60): V

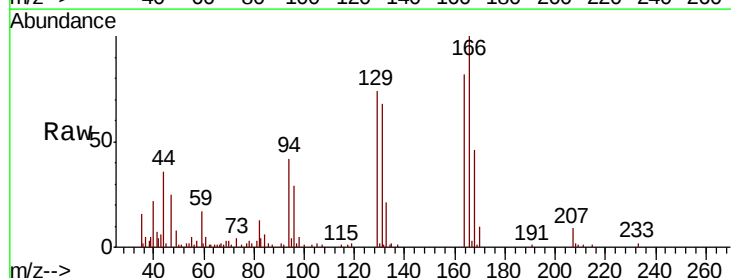
Ion 82.00 (81.70 to 82.70): VF0

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 6.525 ug/l
RT: 8.29 min Scan# 787
Delta R.T. 0.00 min
Lab File: VF062190.D
Acq: 17 Apr 2019 17:11

Tgt Ion	Ratio	Lower	Upper
164	100		
166	121.3	104.7	157.1
129	88.0	72.6	109.0
131	82.1	71.6	107.4



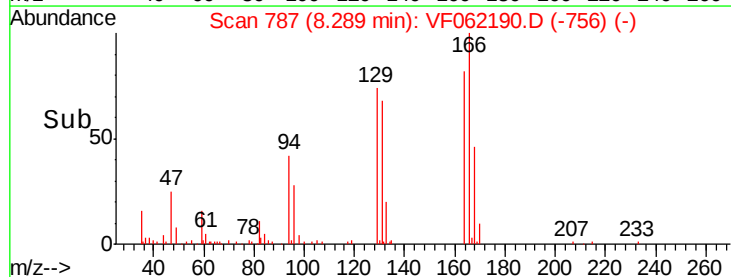
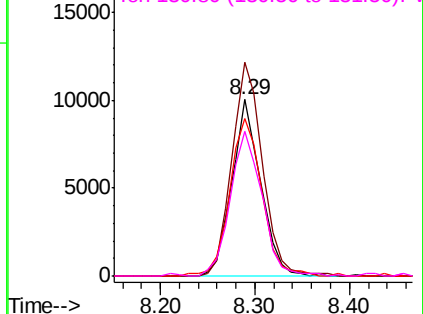
Abundance

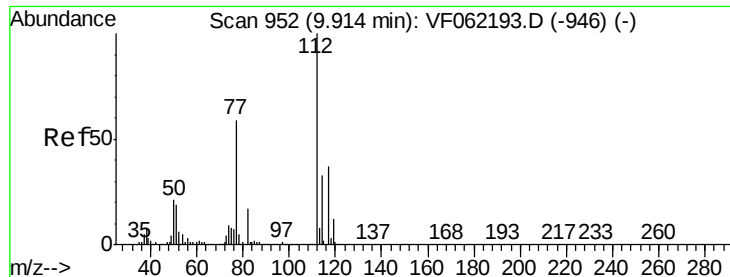
Ion 163.80 (163.50 to 164.50): V

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

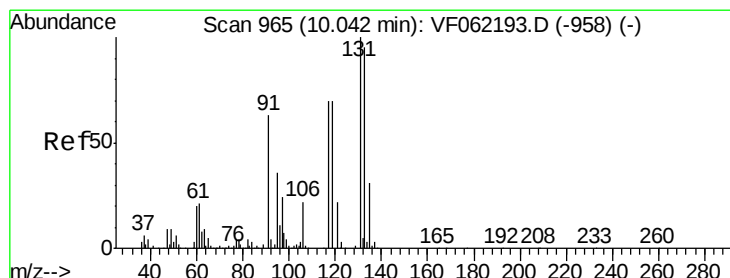
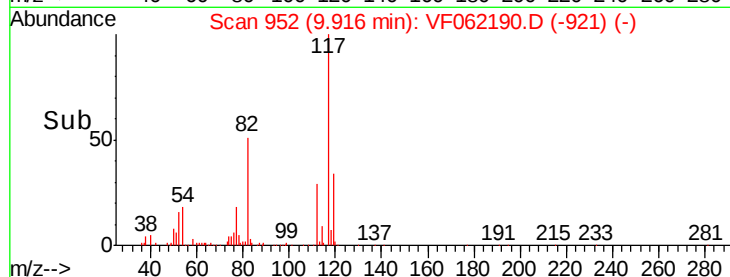
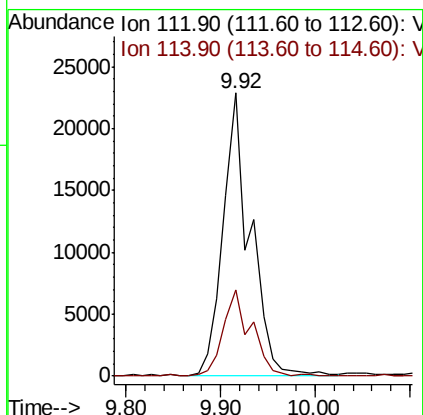
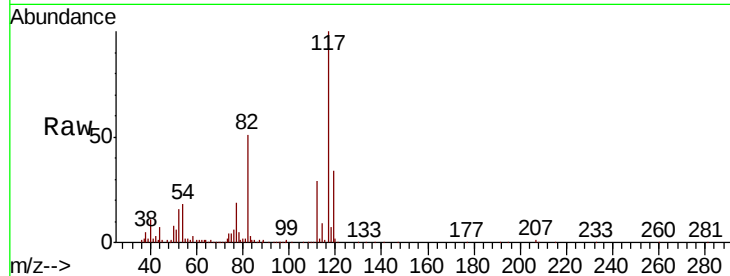




#65
Chlorobenzene
Concen: 5.123 ug/l
RT: 9.92 min Scan# 952
Delta R.T. 0.00 min
Lab File: VF062190.D
Acq: 17 Apr 2019 17:11

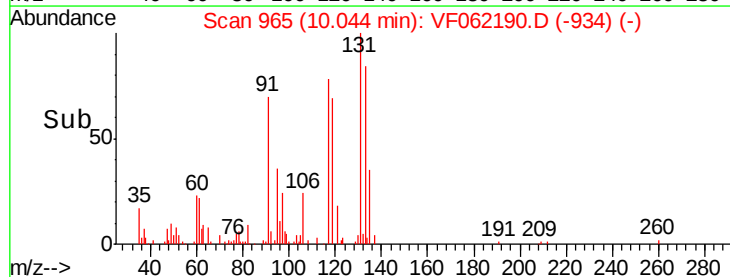
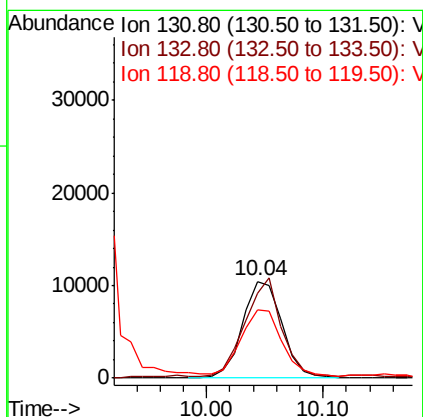
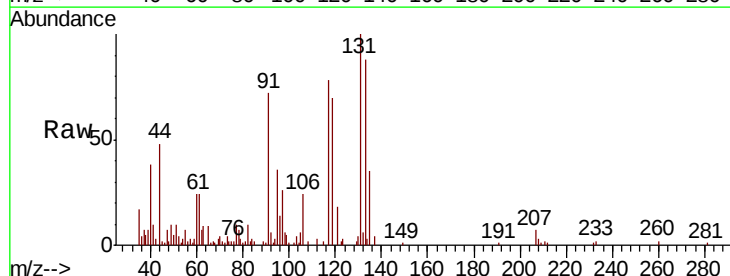
Instrument :
MSVOA_F
ClientSampleId :

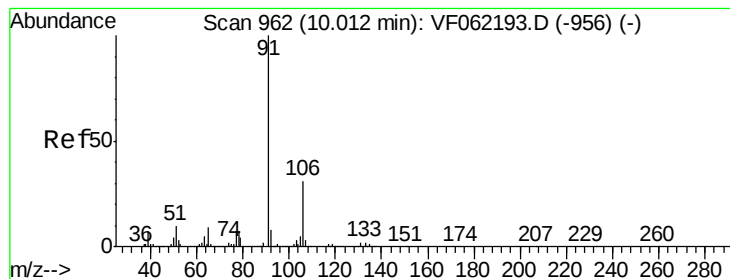
Tot Ion:112 Resp: 45544
Ion Ratio Lower Upper
112 100
114 30.7 26.1 39.1



#66
1,1,1,2-Tetrachloroethane
Concen: 7.511 ug/l
RT: 10.04 min Scan# 965
Delta R.T. 0.00 min
Lab File: VF062190.D
Acq: 17 Apr 2019 17:11

Tgt Ion:131 Resp: 24485
Ion Ratio Lower Upper
131 100
133 94.7 47.7 143.1
119 72.5 34.6 103.9





#67

Ethyl Benzene

Concen: 6.075 ug/l

RT: 10.01 min Scan# 962

Delta R.T. 0.00 min

Lab File: VF062190.D

Acq: 17 Apr 2019 17:11

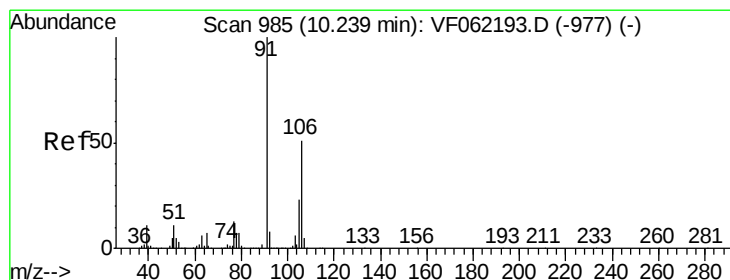
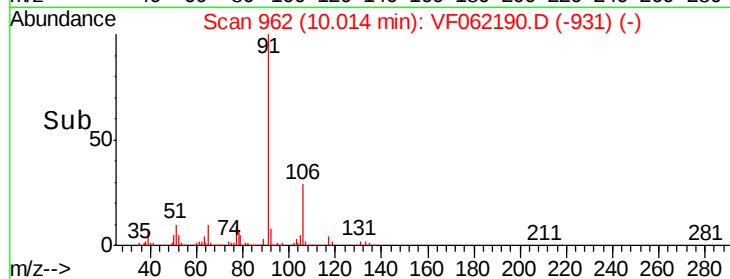
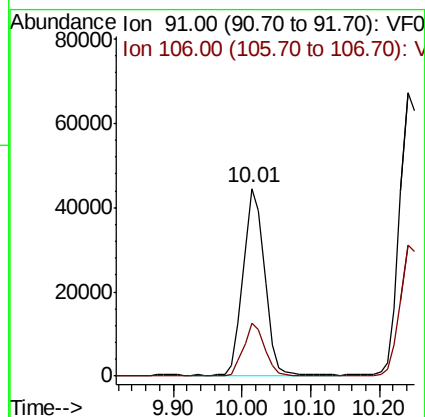
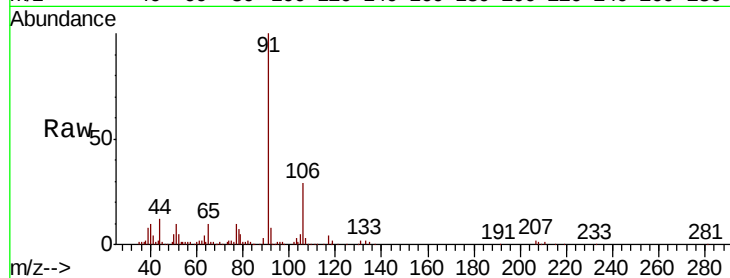
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 91 Resp: 97245

Ion Ratio Lower Upper

91 100

106 28.6 24.9 37.3



#68

m/p-Xylenes

Concen: 11.846 ug/l

RT: 10.24 min Scan# 985

Delta R.T. 0.00 min

Lab File: VF062190.D

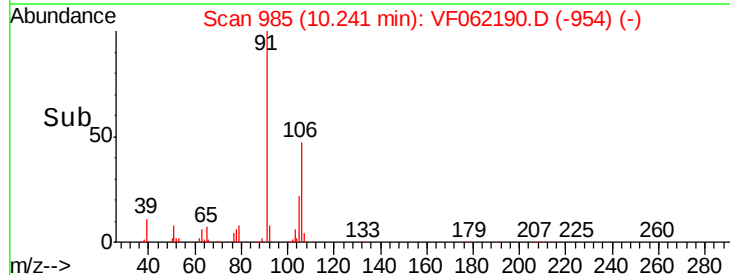
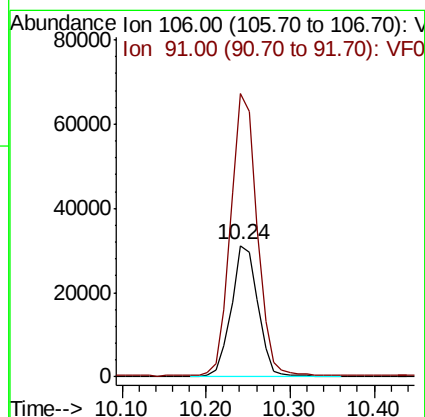
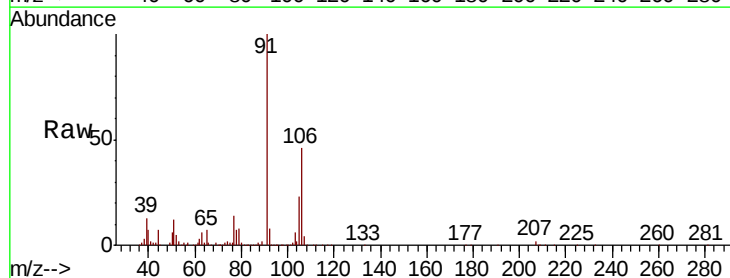
Acq: 17 Apr 2019 17:11

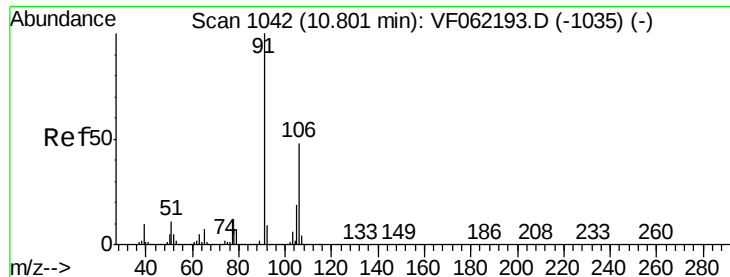
Tgt Ion:106 Resp: 68993

Ion Ratio Lower Upper

106 100

91 211.4 159.1 238.7

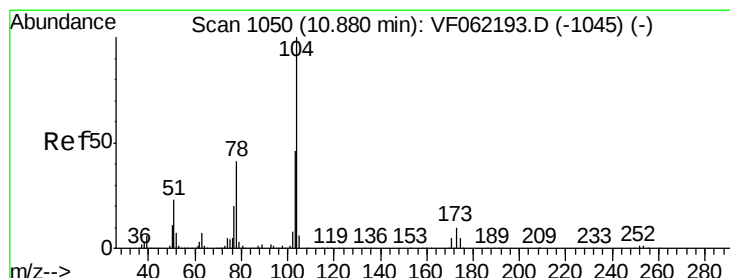
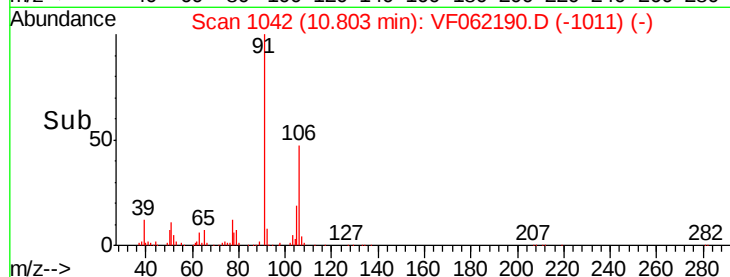
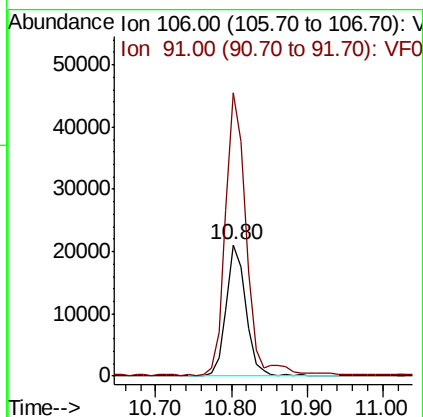
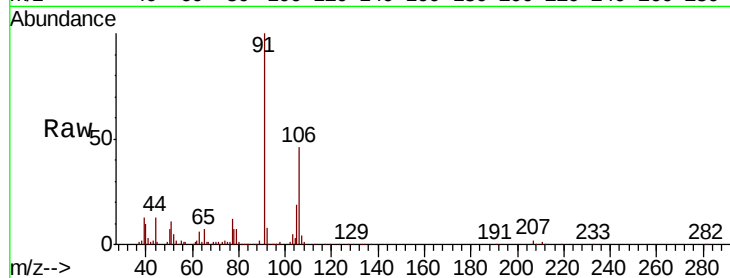




#69
o-Xylene
Concen: 6.517 ug/l
RT: 10.80 min Scan# 1042
Delta R.T. 0.00 min
Lab File: VF062190.D
Acq: 17 Apr 2019 17:11

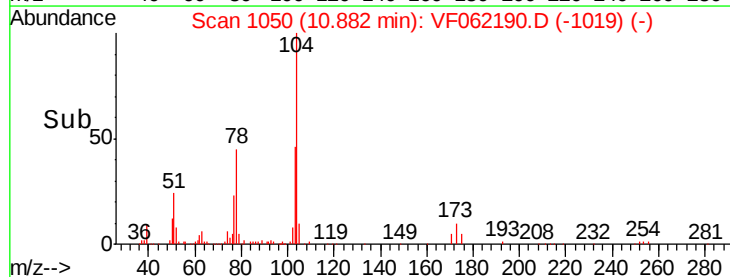
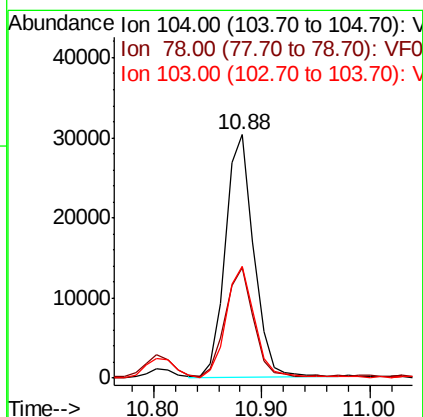
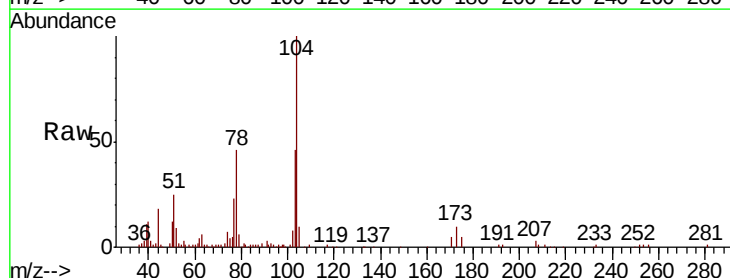
Instrument :
MSVOA_F
ClientSampleId :

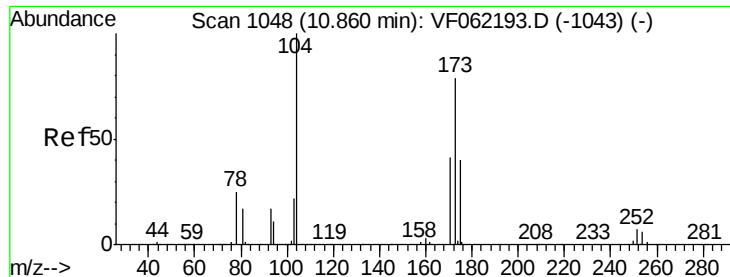
Tot Ion:106 Resp: 38055
Ion Ratio Lower Upper
106 100
91 227.2 107.5 322.4



#70
Styrene
Concen: 5.716 ug/l
RT: 10.88 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VF062190.D
Acq: 17 Apr 2019 17:11

Tgt Ion:104 Resp: 55308
Ion Ratio Lower Upper
104 100
78 45.1 34.5 51.7
103 46.5 37.2 55.8





#71

Bromoform

Concen: 5.462 ug/l

RT: 10.87 min Scan# 1049

Delta R.T. 0.01 min

Lab File: VF062190.D

Acq: 17 Apr 2019 17:11

Instrument :

MSVOA_F

ClientSampleId :

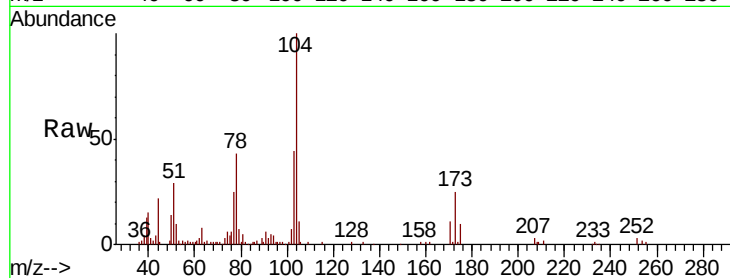
Tot Ion:173 Resp: 13095

Ion Ratio Lower Upper

173 100

175 46.2 24.5 73.5

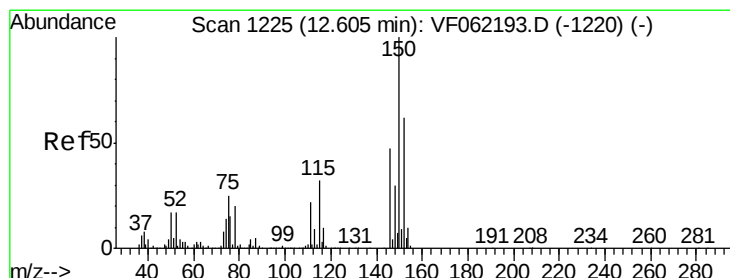
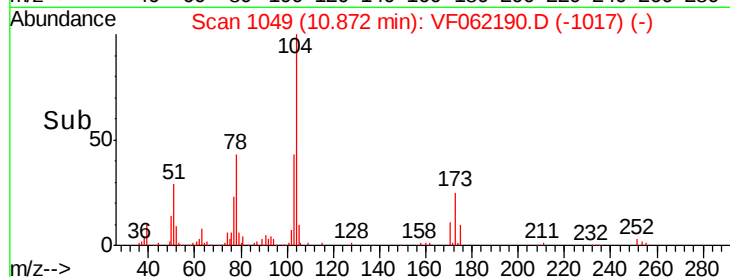
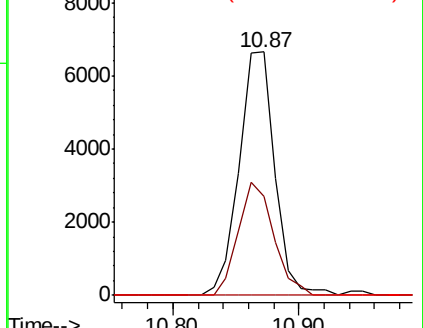
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.61 min Scan# 1225

Delta R.T. 0.00 min

Lab File: VF062190.D

Acq: 17 Apr 2019 17:11

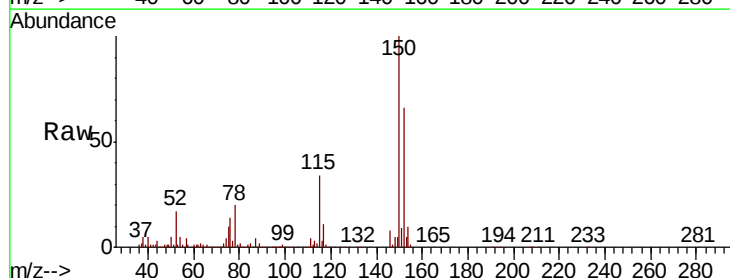
Tgt Ion:152 Resp: 237712

Ion Ratio Lower Upper

152 100

115 57.6 27.8 83.3

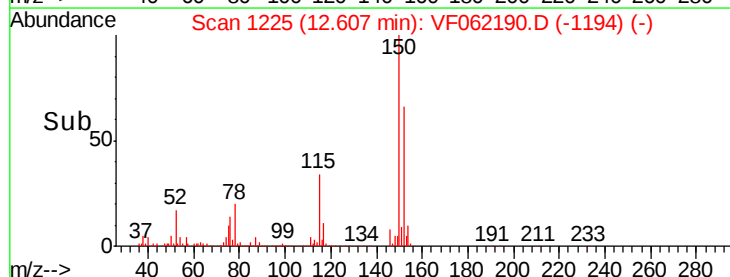
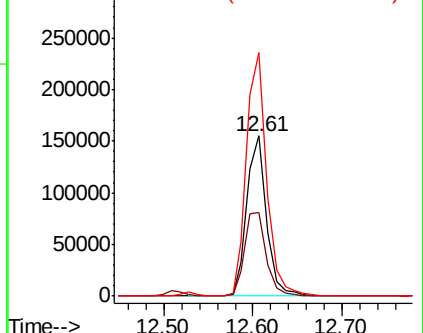
150 155.5 0.0 341.8

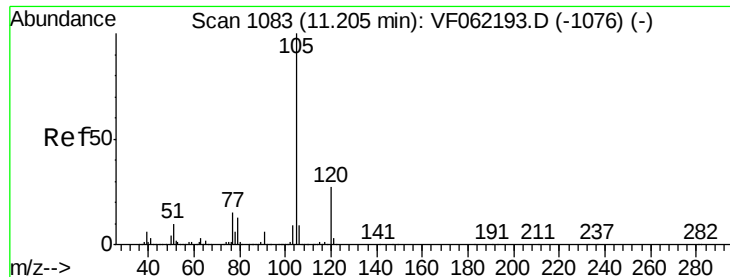


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 6.329 ug/l

RT: 11.21 min Scan# 1083

Delta R.T. 0.00 min

Lab File: VF062190.D

Acq: 17 Apr 2019 17:11

Instrument :

MSVOA_F

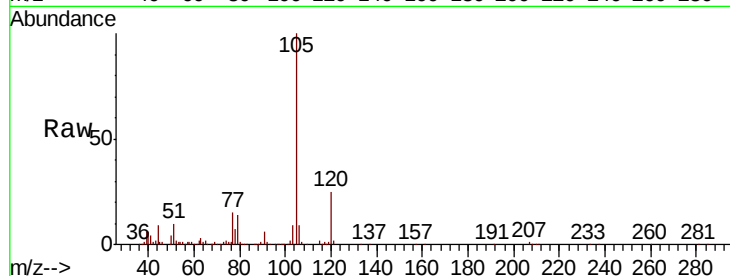
ClientSampleId :

Tot Ion:105 Resp: 117442

Ion Ratio Lower Upper

105 100

120 24.2 13.0 38.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.21

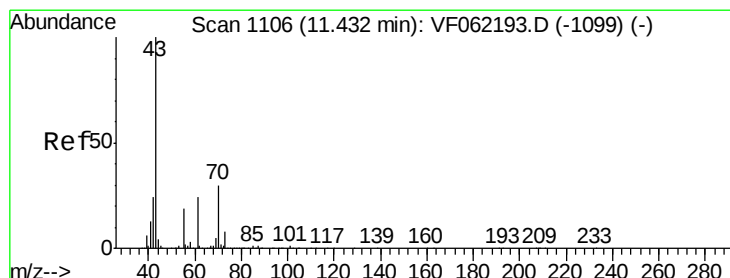
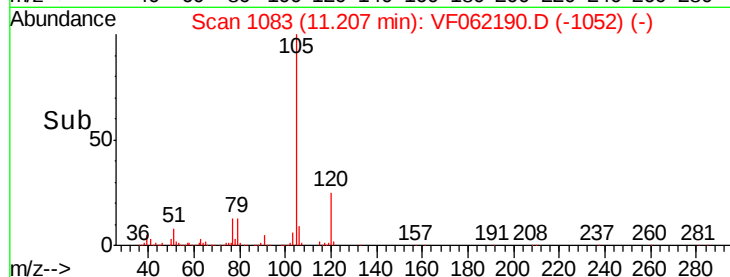
60000

40000

20000

0

Time--> 11.00 11.20 11.40



#74

N-ethyl acetate

Concen: 3.817 ug/l

RT: 11.44 min Scan# 1107

Delta R.T. 0.01 min

Lab File: VF062190.D

Acq: 17 Apr 2019 17:11

Tgt Ion: 43 Resp: 36095

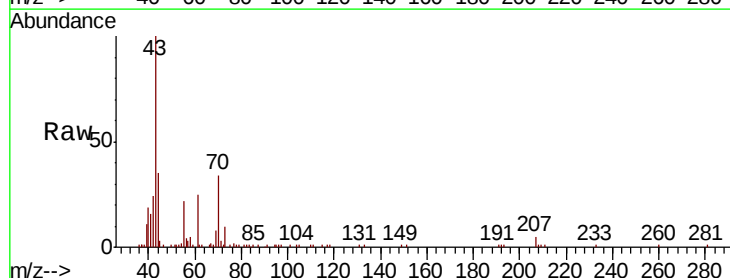
Ion Ratio Lower Upper

43 100

70 33.2 27.0 40.4

55 20.5 15.7 23.5

61 27.8 20.8 31.2



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

30000

25000

20000

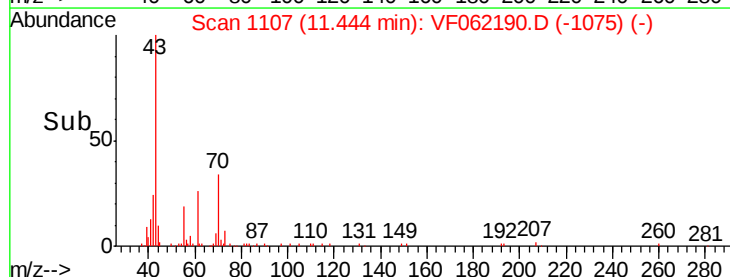
15000

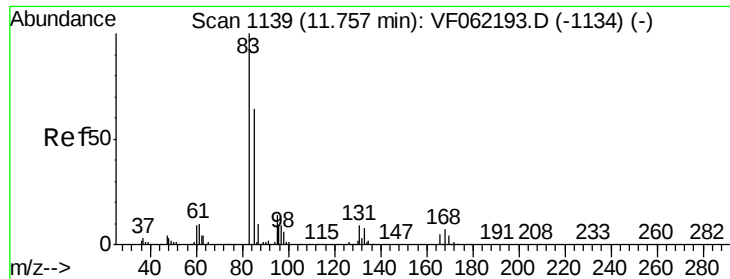
10000

5000

0

Time--> 11.35 11.40 11.45 11.50





#75

1,1,2,2-Tetrachloroethane

Concen: 3.291 ug/l

RT: 11.76 min Scan# 1139

Delta R.T. 0.00 min

Lab File: VF062190.D

Acq: 17 Apr 2019 17:11

Instrument :

MSVOA_F

ClientSampleId :

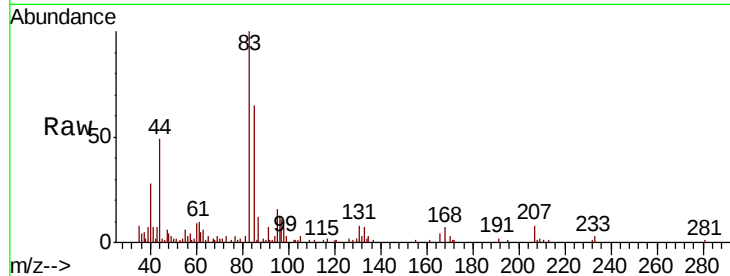
Tot Ion: 83 Resp: 20190

Ion	Ratio	Lower	Upper
83	100		
131	8.5	4.5	13.5
85	71.2	34.7	104.1

83 100

131 8.5 4.5 13.5

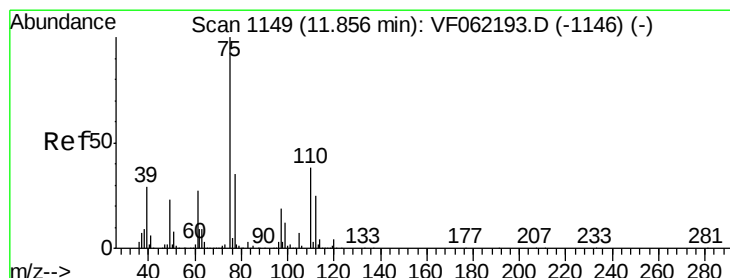
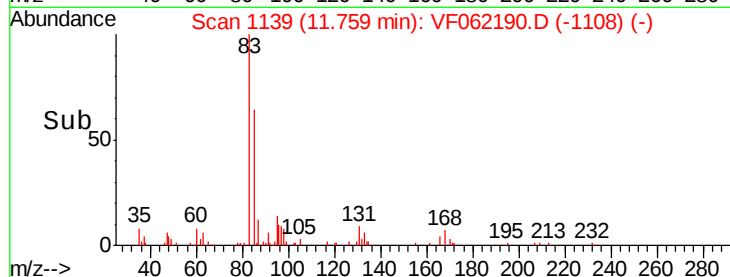
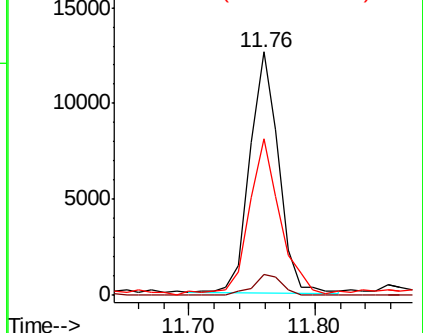
85 71.2 34.7 104.1



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: 2.605 ug/l

RT: 11.86 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VF062190.D

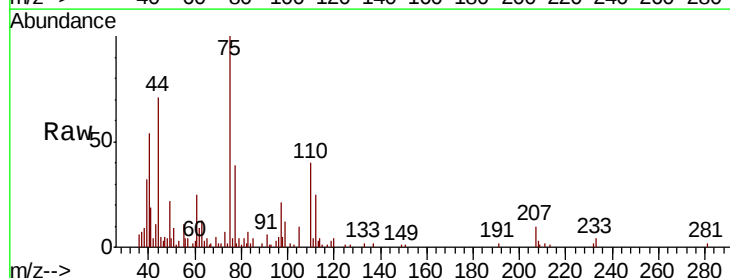
Acq: 17 Apr 2019 17:11

Tgt Ion: 75 Resp: 13810

Ion	Ratio	Lower	Upper
75	100		
77	0.0	7.4	22.2

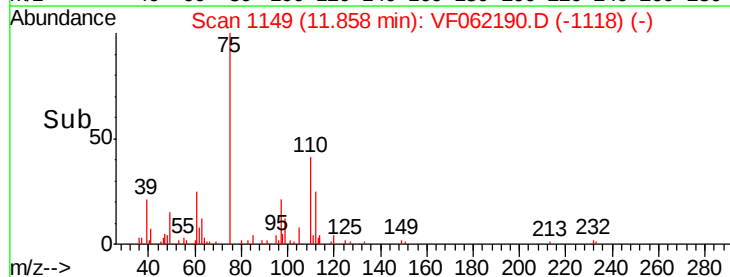
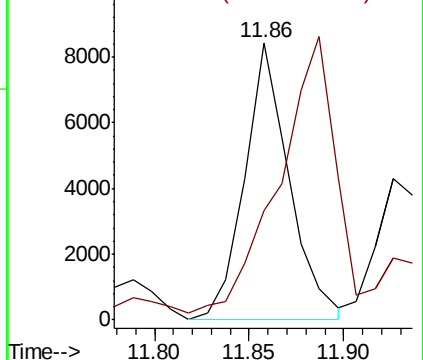
75 100

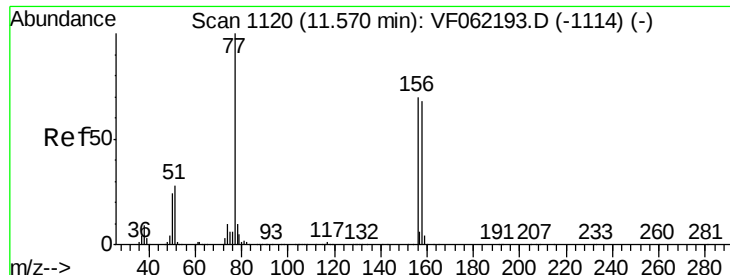
77 0.0 7.4 22.2



Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 5.290 ug/l

RT: 11.57 min Scan# 1120

Delta R.T. 0.00 min

Lab File: VF062190.D

Acq: 17 Apr 2019 17:11

Instrument :

MSVOA_F

ClientSampleId :

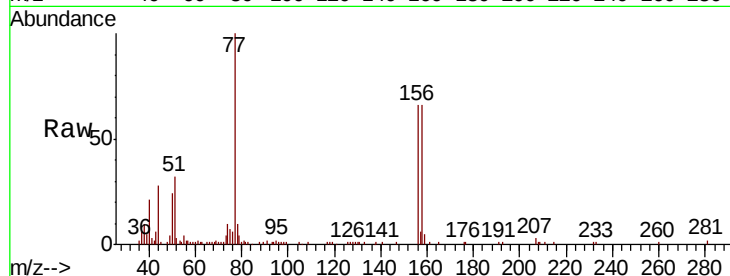
Tot Ion:156 Resp: 24130

Ion Ratio Lower Upper

156 100

77 168.0 80.9 242.7

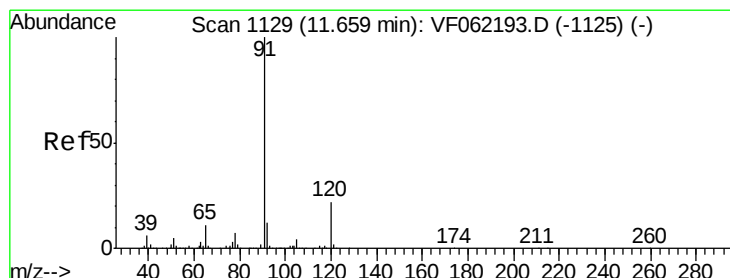
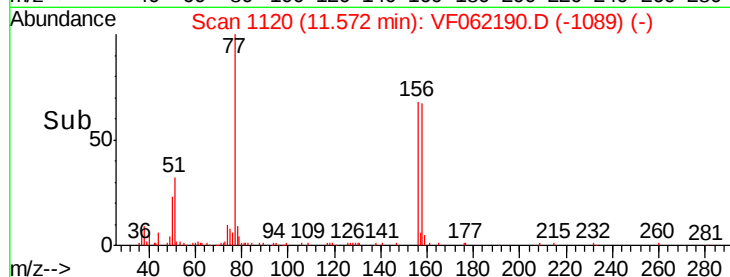
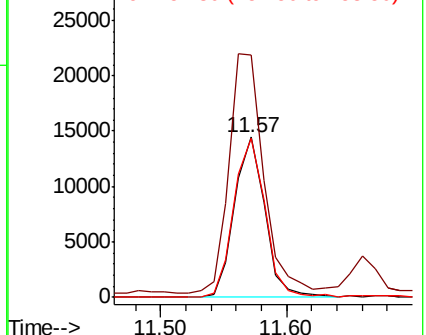
158 101.8 49.8 149.4



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: 6.348 ug/l

RT: 11.66 min Scan# 1129

Delta R.T. 0.00 min

Lab File: VF062190.D

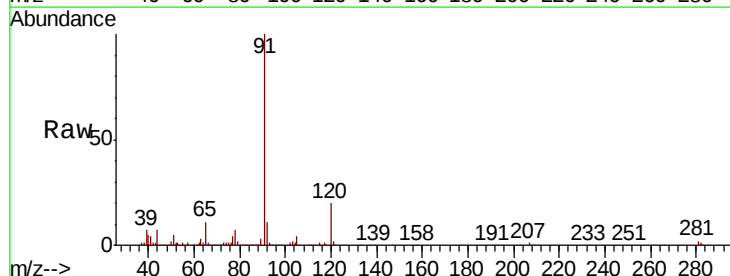
Acq: 17 Apr 2019 17:11

Tgt Ion: 91 Resp: 131907

Ion Ratio Lower Upper

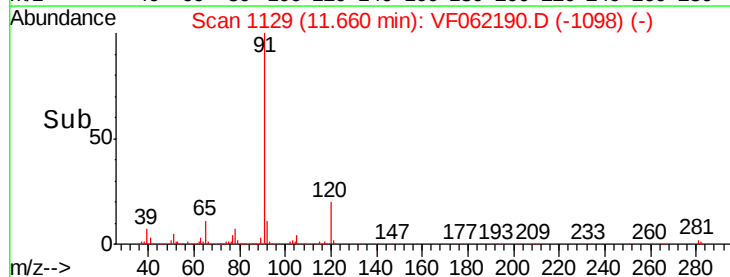
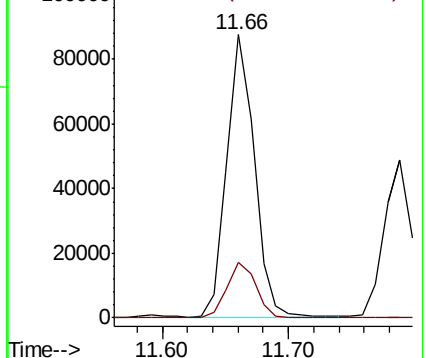
91 100

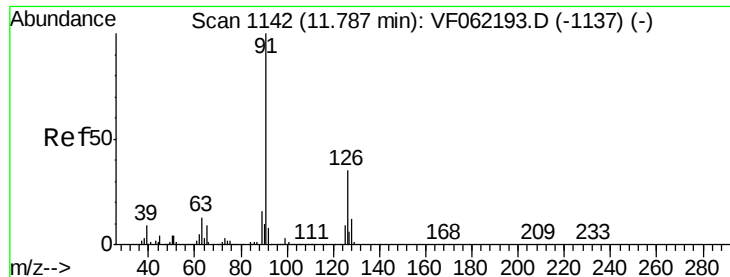
120 20.8 11.2 33.6



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

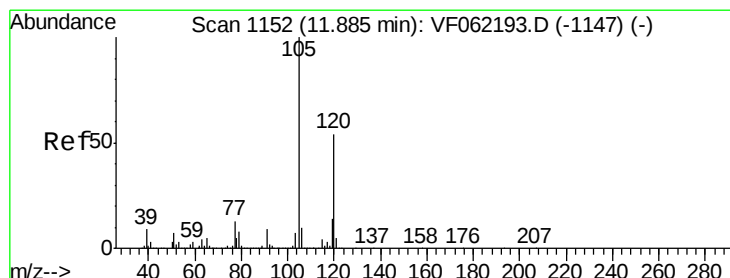
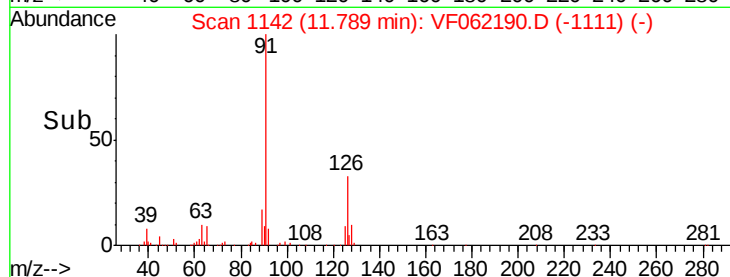
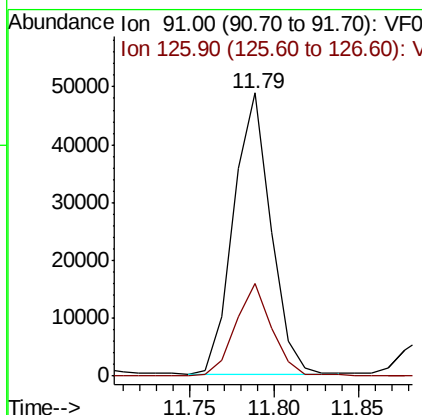
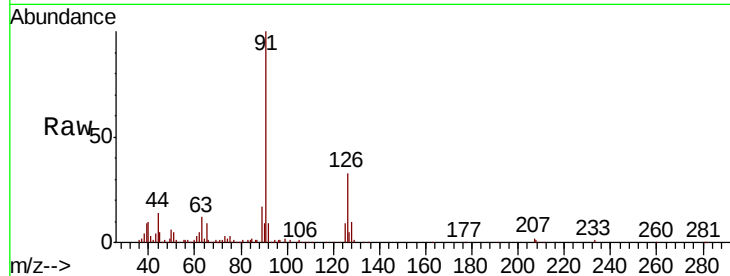




#79
 2-Chlorotoluene
 Concen: 5.922 ug/l
 RT: 11.79 min Scan# 1142
 Delta R.T. 0.00 min
 Lab File: VF062190.D
 Acq: 17 Apr 2019 17:11

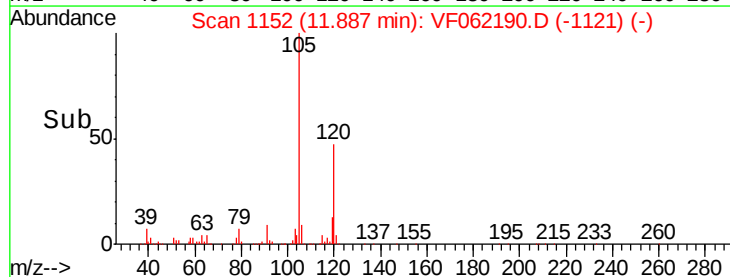
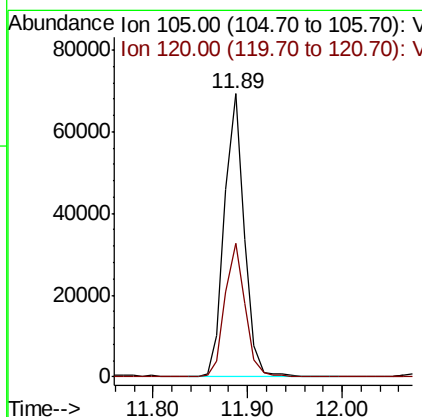
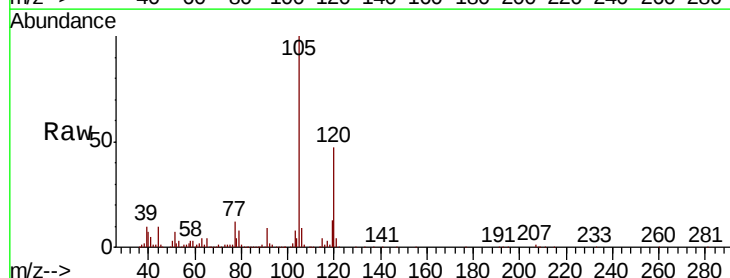
Instrument :
 MSVOA_F
 ClientSampled :

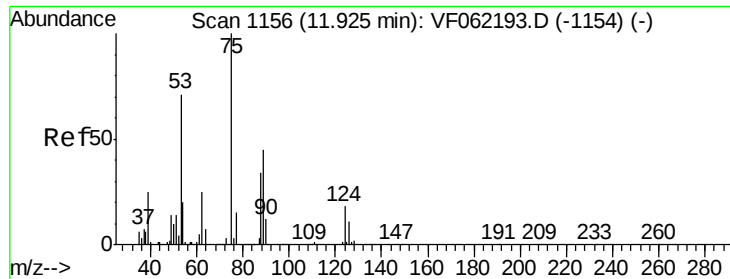
Tot Ion: 91 Resp: 74821
 Ion Ratio Lower Upper
 91 100
 126 32.5 16.9 50.6



#80
 1,3,5-Trimethylbenzene
 Concen: 6.538 ug/l
 RT: 11.89 min Scan# 1152
 Delta R.T. 0.00 min
 Lab File: VF062190.D
 Acq: 17 Apr 2019 17:11

Tgt Ion:105 Resp: 101395
 Ion Ratio Lower Upper
 105 100
 120 48.0 26.2 78.5





#81

trans-1,4-Dichloro-2-butene

Concen: 4.976 ug/l

RT: 11.93 min Scan# 1156

Delta R.T. 0.00 min

Lab File: VF062190.D

Acq: 17 Apr 2019 17:11

Instrument :

MSVOA_F

ClientSampleId :

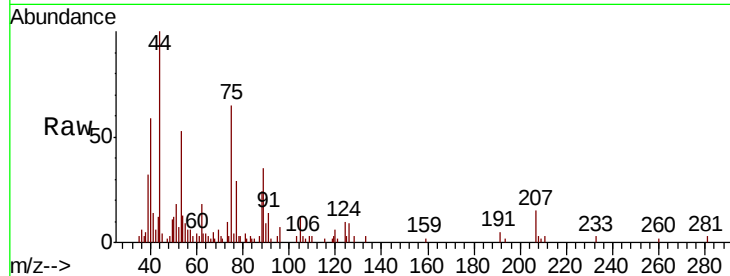
Tot Ion: 75 Resp: 10323

Ion Ratio Lower Upper

75 100

53 53.7 50.2 75.4

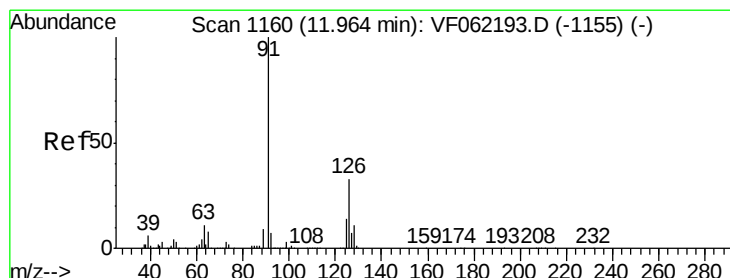
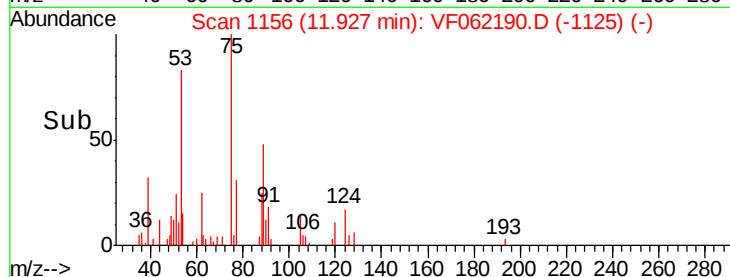
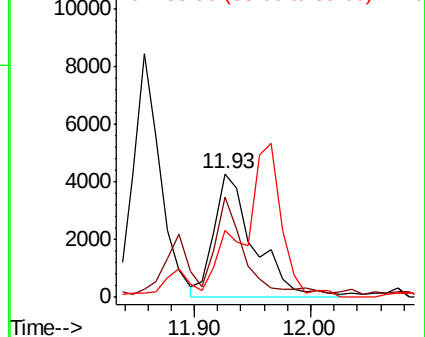
89 0.0 0.0 0.0



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: 5.309 ug/l

RT: 11.97 min Scan# 1160

Delta R.T. 0.00 min

Lab File: VF062190.D

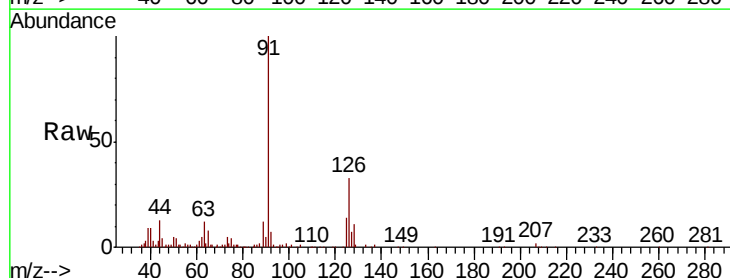
Acq: 17 Apr 2019 17:11

Tgt Ion: 91 Resp: 75424

Ion Ratio Lower Upper

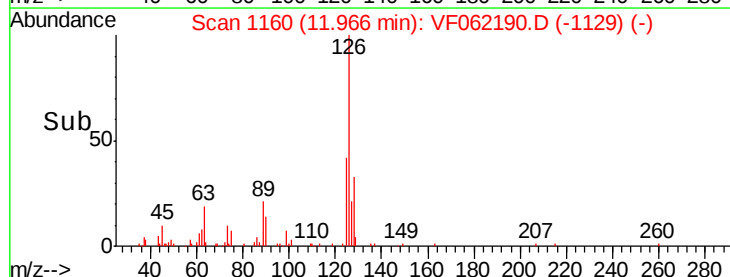
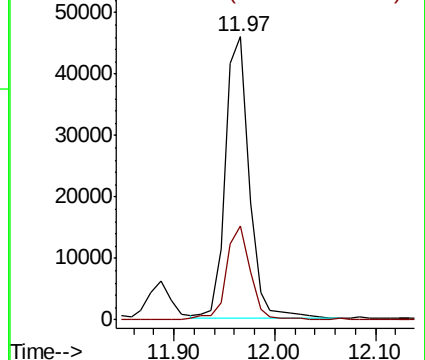
91 100

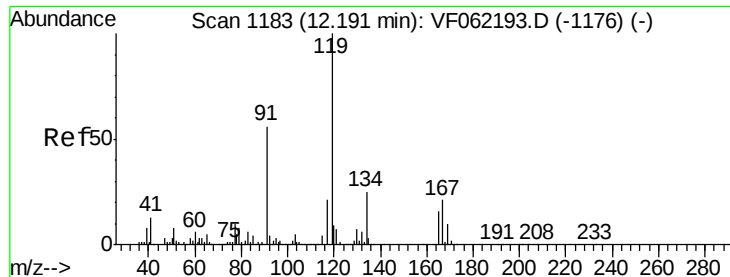
126 34.0 16.9 50.6



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 125.90 (125.60 to 126.60): V

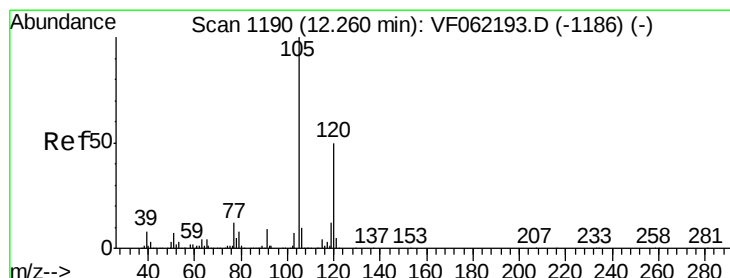
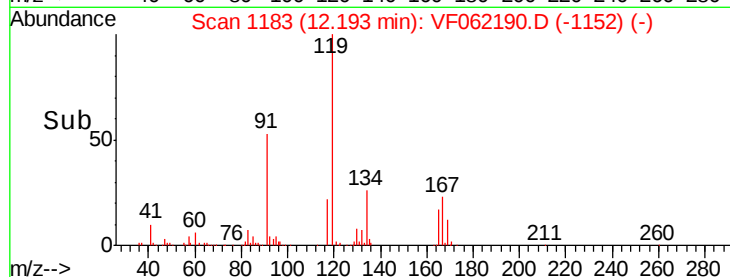
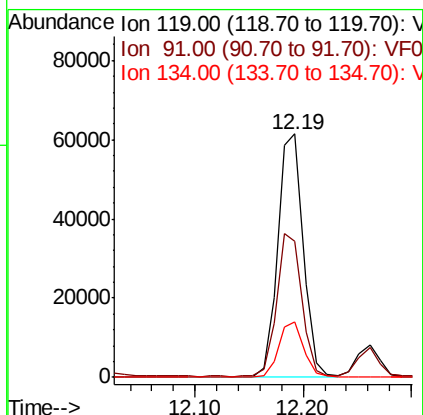
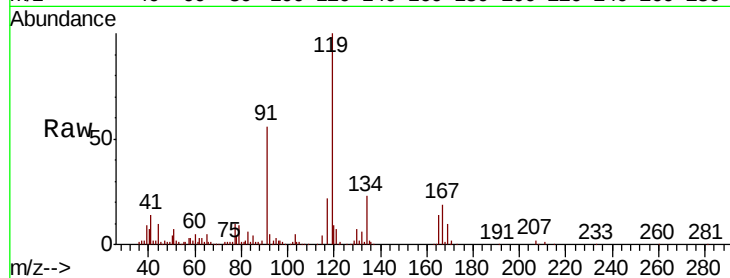




#83
 tert-Butylbenzene
 Concen: 6.707 ug/l
 RT: 12.19 min Scan# 1183
 Delta R.T. 0.00 min
 Lab File: VF062190.D
 Acq: 17 Apr 2019 17:11

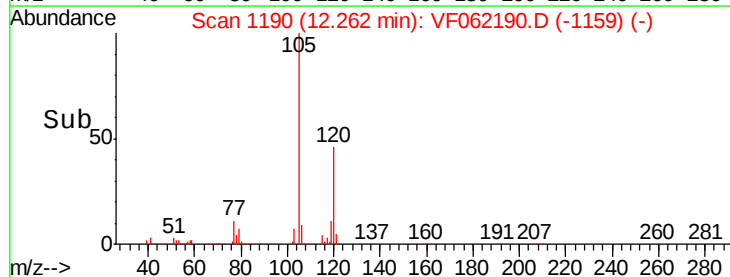
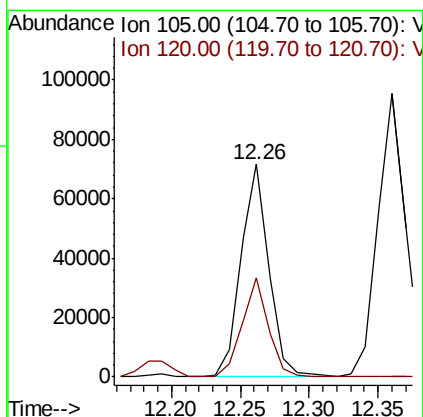
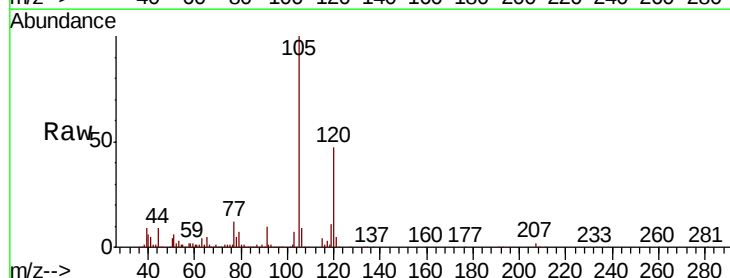
Instrument :
 MSVOA_F
 ClientSampleId :

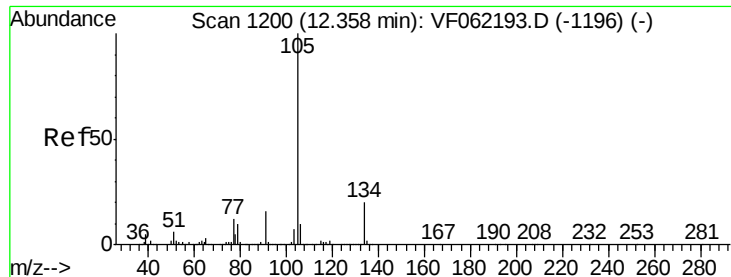
Tot Ion:119 Resp: 101565
 Ion Ratio Lower Upper
 119 100
 91 57.8 29.4 88.2
 134 22.0 11.8 35.3



#84
 1,2,4-Trimethylbenzene
 Concen: 6.436 ug/l
 RT: 12.26 min Scan# 1190
 Delta R.T. 0.00 min
 Lab File: VF062190.D
 Acq: 17 Apr 2019 17:11

Tgt Ion:105 Resp: 100385
 Ion Ratio Lower Upper
 105 100
 120 44.5 24.0 72.0





#85

sec-Butylbenzene

Concen: 7.342 ug/l

RT: 12.36 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VF062190.D

Acq: 17 Apr 2019 17:11

Instrument :

MSVOA_F

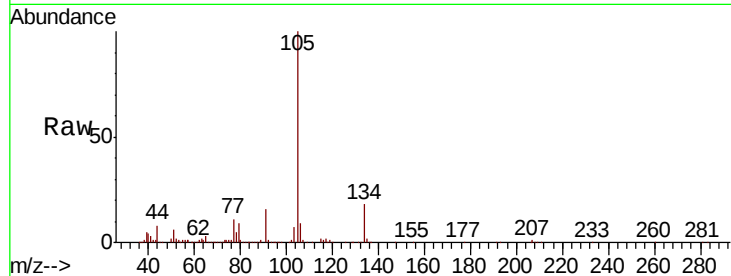
ClientSampled :

Tot Ion:105 Resp: 134698

Ion Ratio Lower Upper

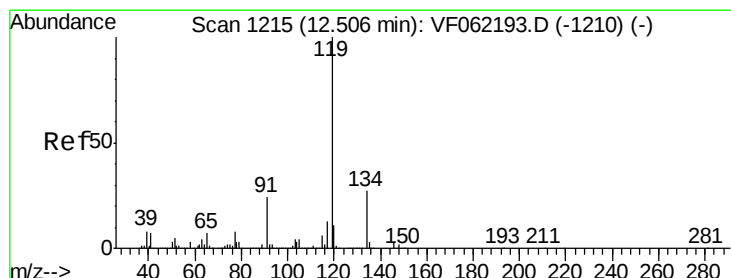
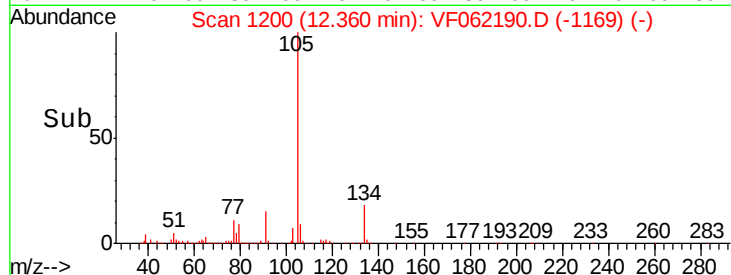
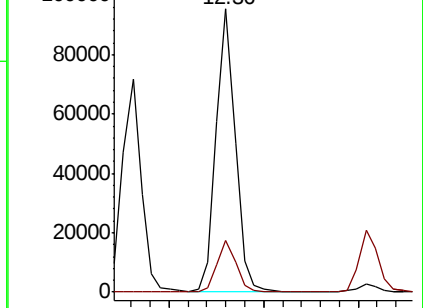
105 100

134 18.5 9.7 29.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 6.923 ug/l

RT: 12.51 min Scan# 1215

Delta R.T. 0.00 min

Lab File: VF062190.D

Acq: 17 Apr 2019 17:11

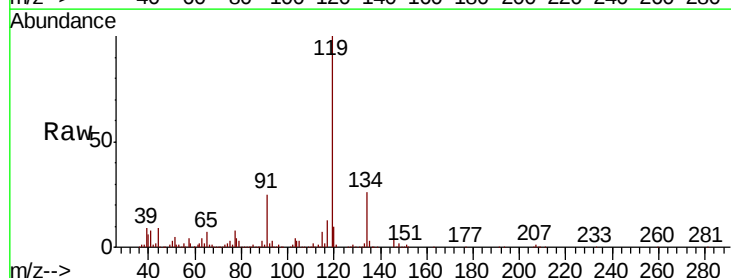
Tgt Ion:119 Resp: 114573

Ion Ratio Lower Upper

119 100

134 25.7 13.2 39.5

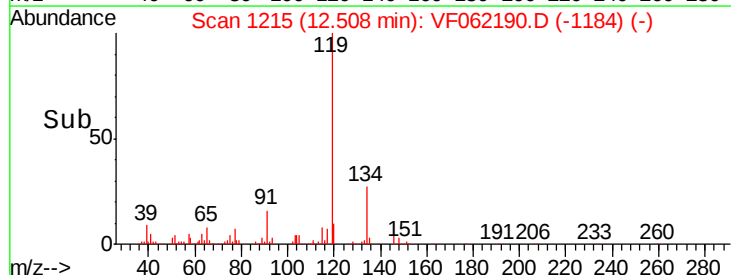
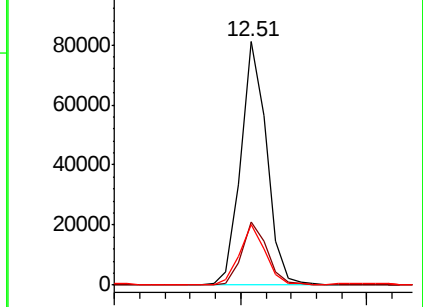
91 24.4 11.7 35.1

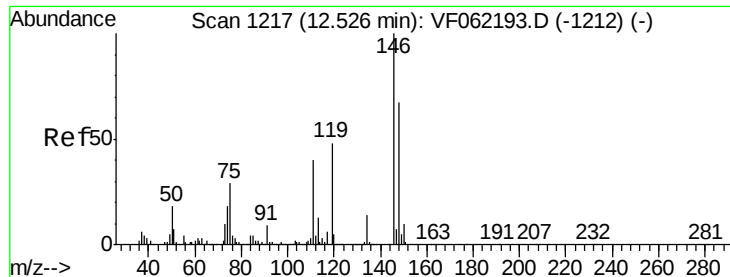


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

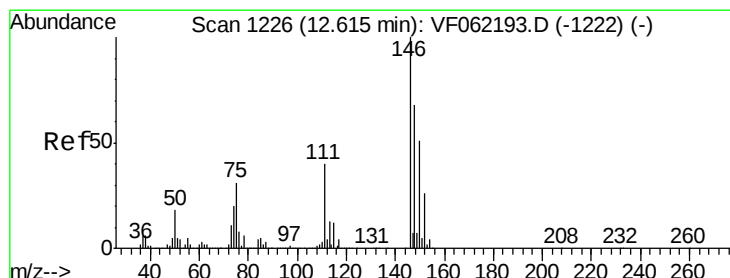
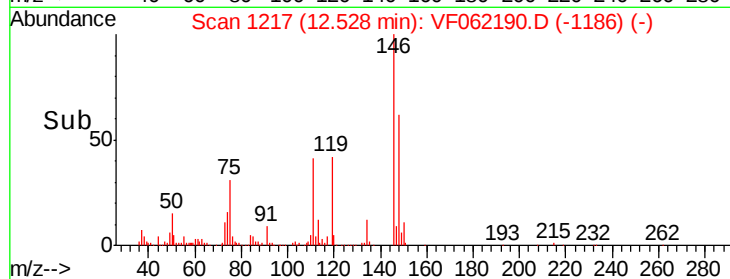
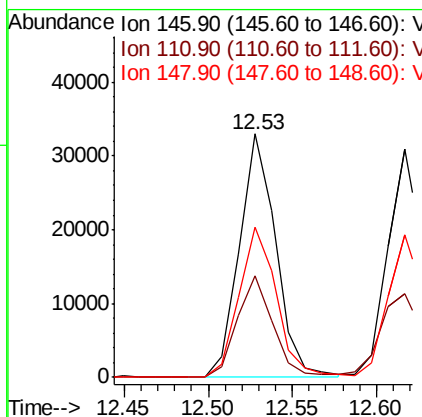
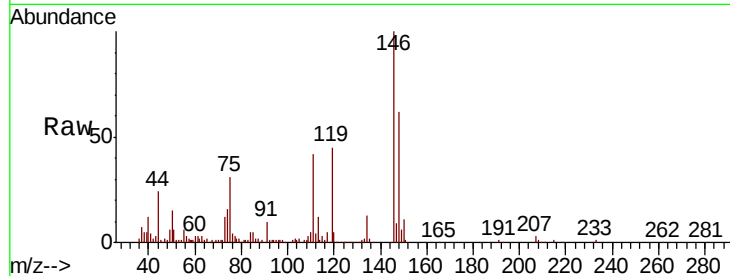




#87
 1,3-Dichlorobenzene
 Concen: 6.191 ug/l
 RT: 12.53 min Scan# 1217
 Delta R.T. 0.00 min
 Lab File: VF062190.D
 Acq: 17 Apr 2019 17:11

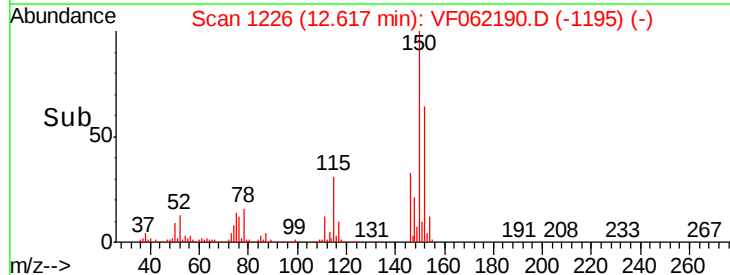
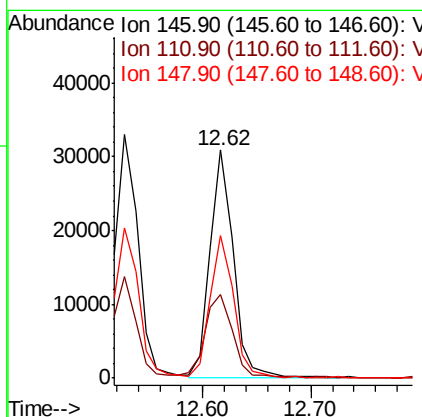
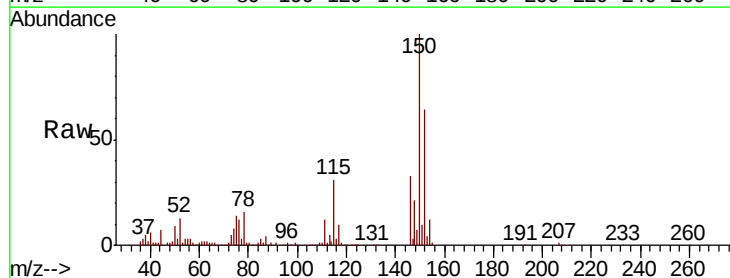
Instrument :
 MSVOA_F
 ClientSampleId :

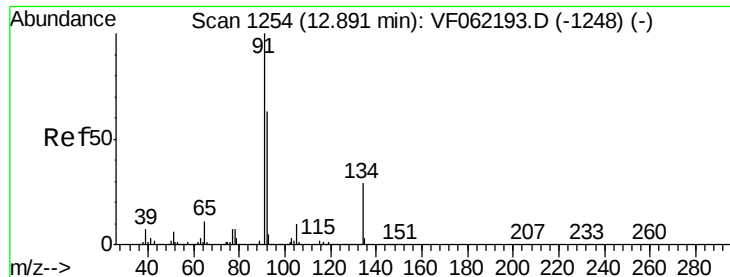
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.3	19.7	59.0
148	64.1	32.9	98.6



#88
 1,4-Dichlorobenzene
 Concen: 5.797 ug/l
 RT: 12.62 min Scan# 1226
 Delta R.T. 0.00 min
 Lab File: VF062190.D
 Acq: 17 Apr 2019 17:11

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.3	20.0	60.0
148	63.1	33.6	100.8





#89

n-Butylbenzene

Concen: 7.880 ug/l

RT: 12.89 min Scan# 1254

Delta R.T. 0.00 min

Lab File: VF062190.D

Acq: 17 Apr 2019 17:11

Instrument :

MSVOA_F

ClientSampleId :

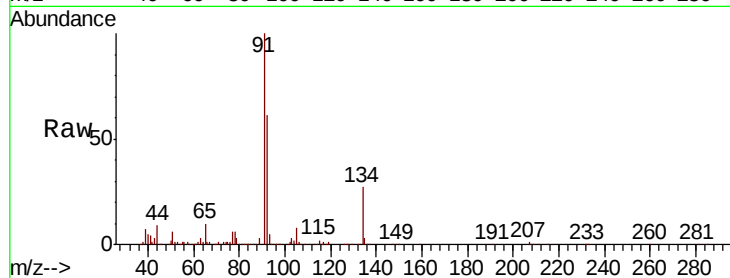
Tot Ion: 91 Resp: 119741

Ion Ratio Lower Upper

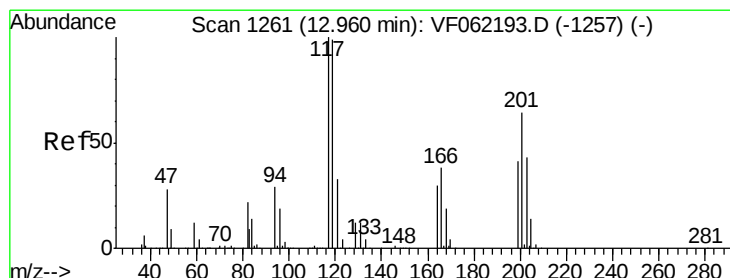
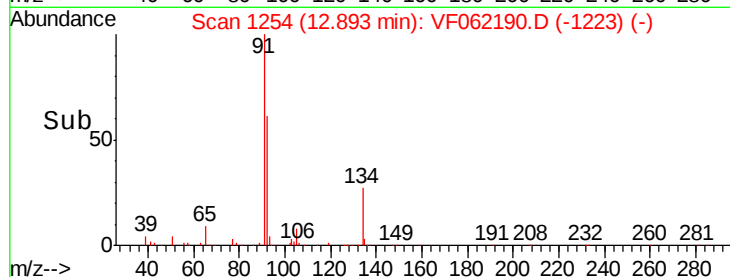
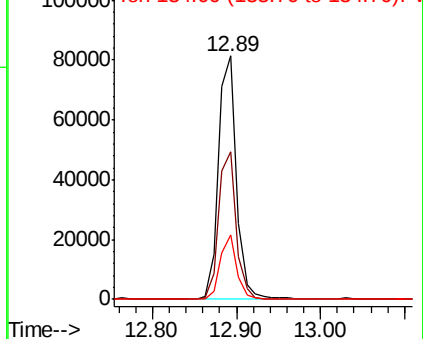
91 100

92 59.5 31.2 93.6

134 24.8 13.1 39.1



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: 9.190 ug/l

RT: 12.96 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VF062190.D

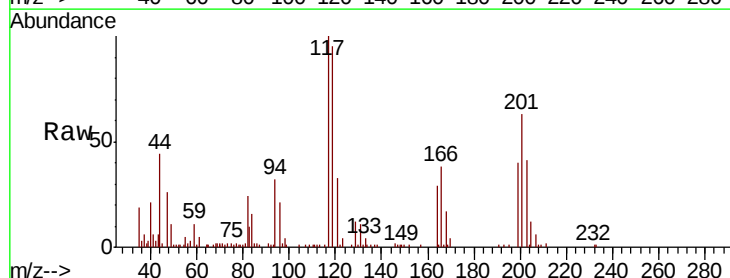
Acq: 17 Apr 2019 17:11

Tgt Ion: 117 Resp: 27889

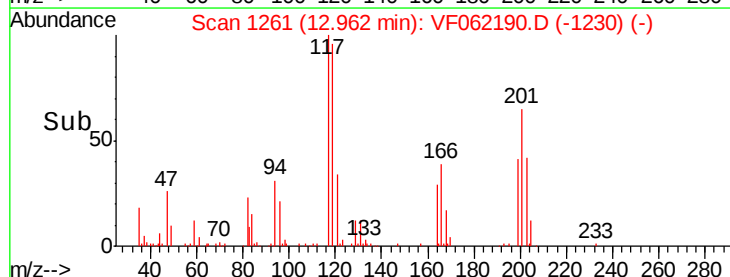
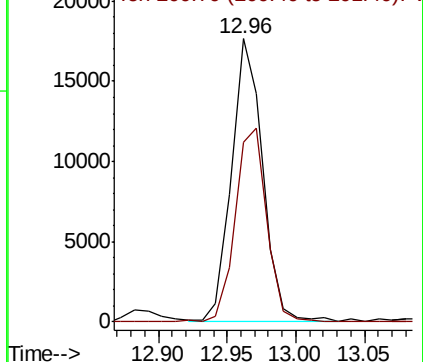
Ion Ratio Lower Upper

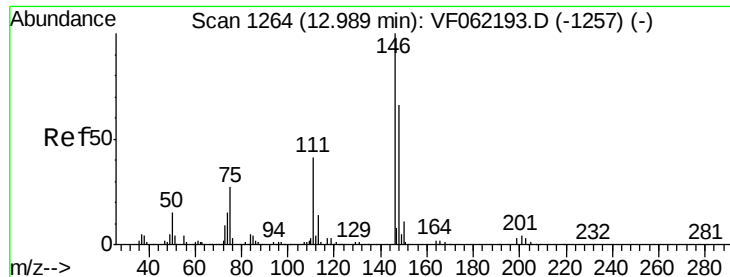
117 100

201 69.3 37.7 113.1



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





#91

1,2-Dichlorobenzene

Concen: 6.066 ug/l

RT: 12.99 min Scan# 1264

Delta R.T. 0.00 min

Lab File: VF062190.D

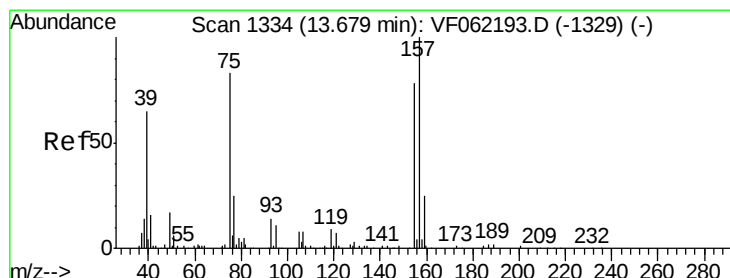
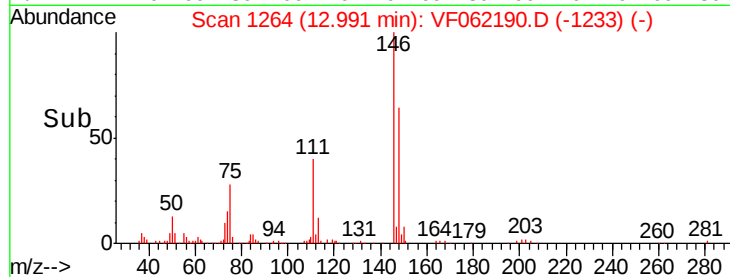
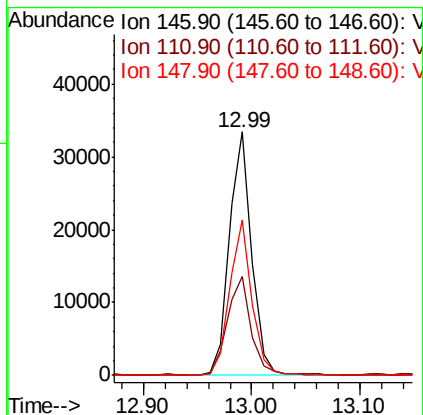
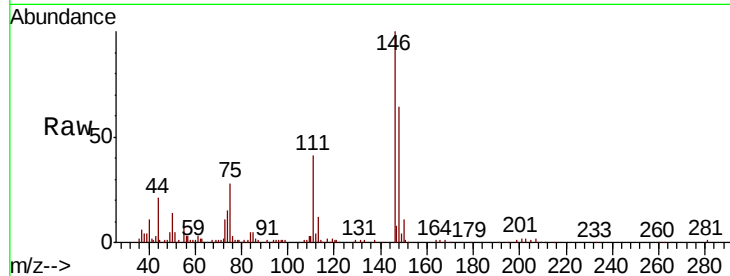
Acq: 17 Apr 2019 17:11

Instrument :

MSVOA_F

ClientSampleId :

Tot Ion:146	Resp:	47890
Ion	Ratio	Lower Upper
146	100	
111	44.9	20.8 62.5
148	63.9	33.0 99.0



#92

1,2-Dibromo-3-Chloropropane

Concen: 3.170 ug/l

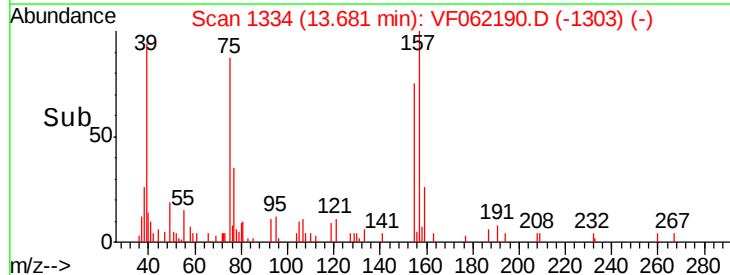
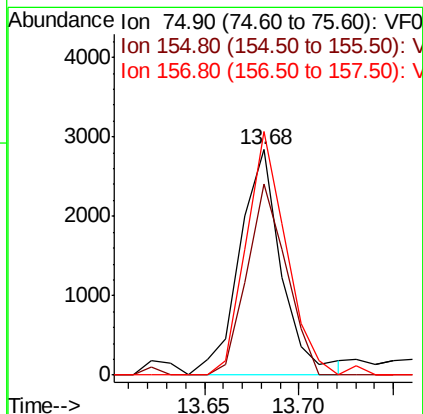
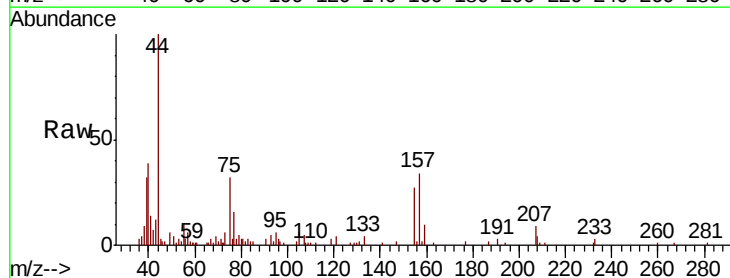
RT: 13.68 min Scan# 1334

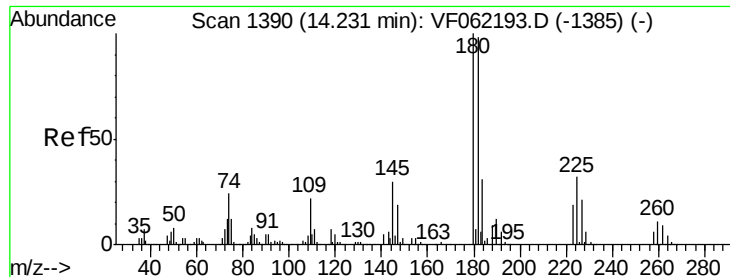
Delta R.T. 0.00 min

Lab File: VF062190.D

Acq: 17 Apr 2019 17:11

Tgt Ion: 75	Resp:	4376
Ion	Ratio	Lower Upper
75	100	
155	79.6	47.6 142.8
157	104.2	61.3 183.9

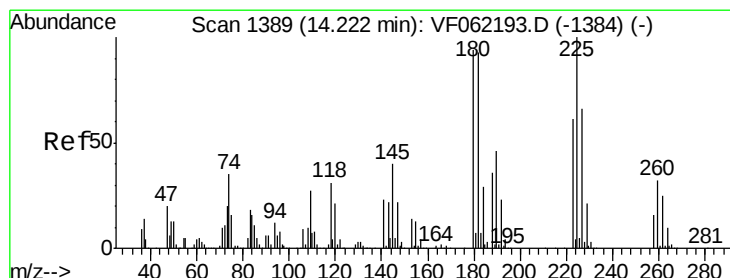
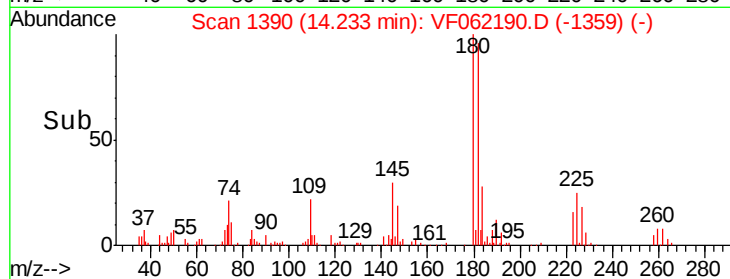
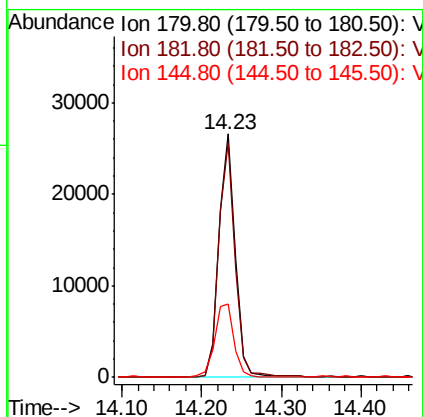
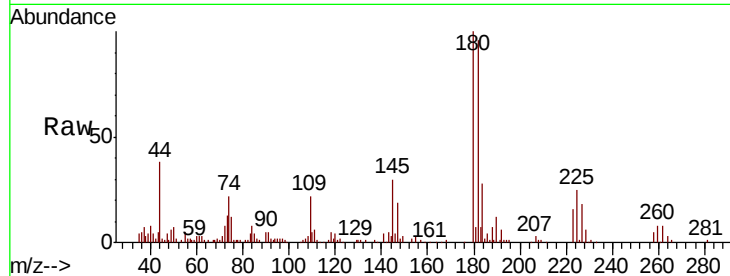




#93
 1,2,4-Trichlorobenzene
 Concen: 6.665 ug/l
 RT: 14.23 min Scan# 1390
 Delta R.T. 0.00 min
 Lab File: VF062190.D
 Acq: 17 Apr 2019 17:11

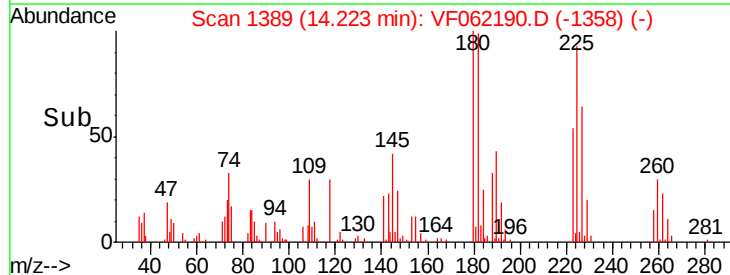
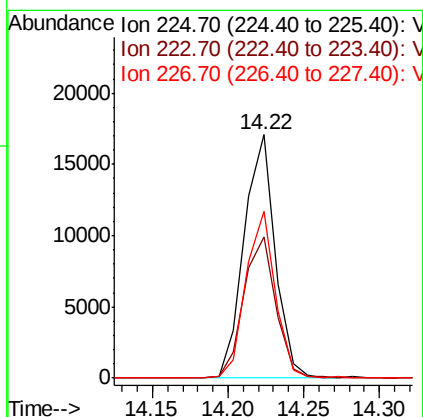
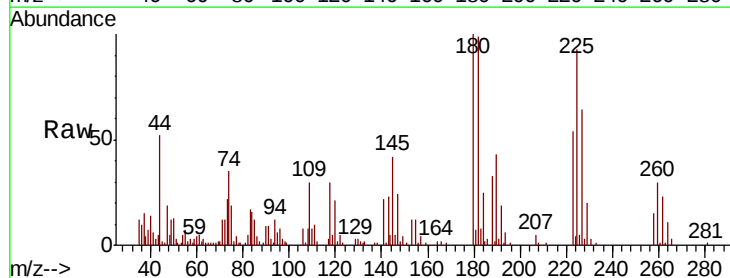
Instrument :
 MSVOA_F
 ClientSampleId :

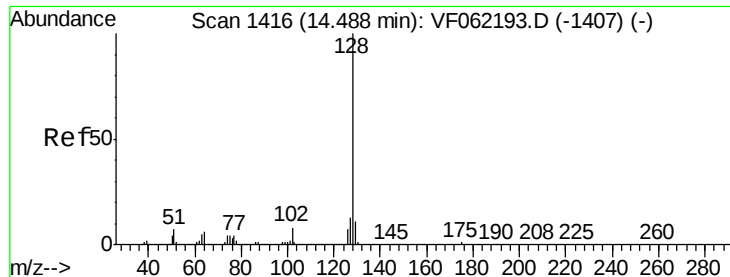
Tot Ion:180 Resp: 38871
 Ion Ratio Lower Upper
 180 100
 182 96.0 49.3 147.9
 145 35.4 18.1 54.4



#94
 Hexachlorobutadiene
 Concen: 7.786 ug/l
 RT: 14.22 min Scan# 1389
 Delta R.T. 0.00 min
 Lab File: VF062190.D
 Acq: 17 Apr 2019 17:11

Tgt Ion:225 Resp: 24410
 Ion Ratio Lower Upper
 225 100
 223 60.1 31.0 93.0
 227 65.0 32.4 97.0

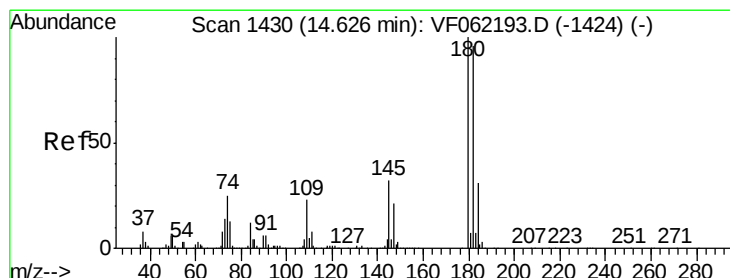
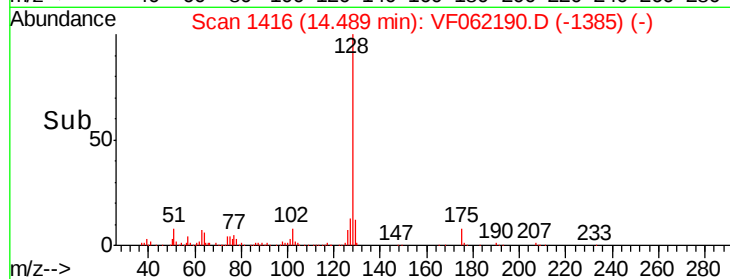
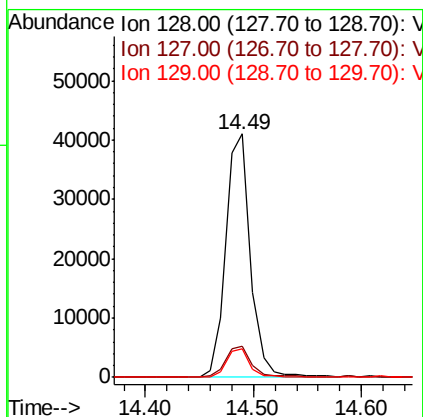
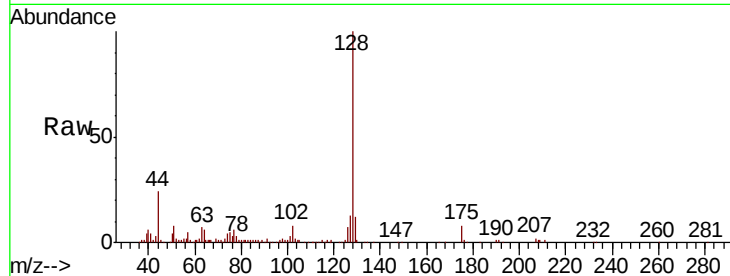




#95
Naphthalene
Concen: 3.800 ug/l
RT: 14.49 min Scan# 1416
Delta R.T. 0.00 min
Lab File: VF062190.D
Acq: 17 Apr 2019 17:11

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:128 Resp: 65222
Ion Ratio Lower Upper
128 100
127 13.6 10.4 15.6
129 11.3 9.2 13.8



#96
1,2,3-Trichlorobenzene
Concen: 6.199 ug/l
RT: 14.63 min Scan# 1430
Delta R.T. 0.00 min
Lab File: VF062190.D
Acq: 17 Apr 2019 17:11

Tgt Ion:180 Resp: 35899
Ion Ratio Lower Upper
180 100
182 95.6 48.4 145.3
145 31.7 15.6 46.8

