

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF041719\
 Data File : VF062196.D
 Acq On : 17 Apr 2019 20:33
 Operator : FY/SY
 Sample : VSTDICV050
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Apr 18 08:00:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F041719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 18 07:43:02 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	382894	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	553137	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	435385	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.60	152	222732	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	174206	49.62	ug/l	0.00
Spiked Amount			Recovery	=	99.24%	
35) Dibromofluoromethane	4.29	113	226577	46.83	ug/l	0.00
Spiked Amount			Recovery	=	93.66%	
50) Toluene-d8	7.69	98	597180	48.76	ug/l	0.00
Spiked Amount			Recovery	=	97.52%	
62) 4-Bromofluorobenzene	11.49	95	220384	46.77	ug/l	0.00
Spiked Amount			Recovery	=	93.54%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.00	85	274446	47.165	ug/l	98
3) Chloromethane	1.14	50	286908	47.704	ug/l	99
4) Vinyl Chloride	1.18	62	255431	49.434	ug/l	98
5) Bromomethane	1.39	94	158524	52.812	ug/l	99
6) Chloroethane	1.44	64	113486	52.537	ug/l	95
7) Trichlorofluoromethane	1.55	101	327100	49.830	ug/l	94
8) Diethyl Ether	1.71	74	61950	45.344	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	1.90	101	225064	50.188	ug/l	99
10) Methyl Iodide	1.97	142	398366	50.005	ug/l	92
11) Tert butyl alcohol	2.69	59	59621	244.299	ug/l	97
12) 1,1-Dichloroethene	1.86	96	210290	49.303	ug/l	97
13) Acrolein	2.09	56	27408	256.679	ug/l	90
14) Allyl chloride	2.19	41	244984	50.048	ug/l	97
15) Acrylonitrile	3.09	53	185801	249.962	ug/l	97
16) Acetone	2.34	43	183853	219.080	ug/l	99
17) Carbon Disulfide	1.91	76	493729	41.657	ug/l	100
18) Methyl Acetate	2.46	43	87560	48.228	ug/l	96
19) Methyl tert-butyl Ether	2.53	73	373251	49.564	ug/l	98
20) Methylene Chloride	2.33	84	139212	31.453	ug/l	96
21) trans-1,2-Dichloroethene	2.42	96	203372	48.215	ug/l	97
22) Diisopropyl ether	2.93	45	597544	47.722	ug/l	100
23) Vinyl Acetate	3.33	43	1516837	254.258	ug/l	99
24) 1,1-Dichloroethane	3.00	63	336719	49.159	ug/l	99
25) 2-Butanone	4.51	43	390895	232.949	ug/l	98
26) 2,2-Dichloropropane	3.77	77	163191	47.190	ug/l	99
27) cis-1,2-Dichloroethene	3.64	96	268778	49.206	ug/l	98
28) Bromochloromethane	3.89	49	149213	45.476	ug/l #	99
29) Tetrahydrofuran	4.26	42	173983	229.065	ug/l	97
30) Chloroform	4.03	83	402129	47.770	ug/l	100
31) Cyclohexane	3.87	56	386237	47.053	ug/l	98
32) 1,1,1-Trichloroethane	4.27	97	294641	47.818	ug/l #	89
36) 1,1-Dichloropropene	4.46	75	313559	47.281	ug/l	99
37) Ethyl Acetate	4.29	43	138257	44.180	ug/l #	100
38) Carbon Tetrachloride	4.17	117	365307	62.232	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	387767	48.835	ug/l	99
40) Benzene	4.80	78	821754	47.241	ug/l	99
41) Methacrylonitrile	4.92	41	92825	51.423	ug/l	93
42) 1,2-Dichloroethane	5.12	62	227224	49.412	ug/l	98
43) Isopropyl Acetate	7.10	43	161266	48.996	ug/l	100
44) Trichloroethene	5.67	130	224267	47.712	ug/l	99
45) 1,2-Dichloropropane	6.39	63	190517	49.722	ug/l	94
46) Dibromomethane	6.25	93	126797	49.738	ug/l	99
47) Bromodichloromethane	6.54	83	286552	49.811	ug/l	98
48) Methyl methacrylate	6.86	41	100114	46.284	ug/l	99
49) 1,4-Dioxane	6.86	88	25196	1015.689	ug/l #	89
51) 4-Methyl-2-Pentanone	8.39	43	597063	243.891	ug/l	99
52) Toluene	7.77	92	436086	47.559	ug/l	97
53) t-1,3-Dichloropropene	8.41	75	207056	47.920	ug/l	95
54) cis-1,3-Dichloropropene	7.44	75	281506	48.165	ug/l	98
55) 1,1,2-Trichloroethane	8.62	97	124168	48.339	ug/l	99
56) Ethyl methacrylate	8.74	69	143685	49.199	ug/l	96
57) 1,3-Dichloropropane	8.98	76	195121	47.041	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.43	63	197561	232.997	ug/l	97
59) 2-Hexanone	9.61	43	371960	243.653	ug/l	97
60) Dibromochloromethane	8.84	129	190425	49.848	ug/l	96
61) 1,2-Dibromoethane	9.12	107	139705	48.275	ug/l	98
64) Tetrachloroethene	8.29	164	188293	47.908	ug/l	100
65) Chlorobenzene	9.92	112	461142	49.672	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.05	131	208064	47.858	ug/l	100
67) Ethyl Benzene	10.02	91	800533	47.421	ug/l	99
68) m/p-Xylenes	10.24	106	595194	95.776	ug/l	98
69) o-Xylene	10.81	106	341933	49.558	ug/l	99
70) Styrene	10.87	104	465184	47.776	ug/l	99
71) Bromoform	10.86	173	108186	47.132	ug/l #	100
73) Isopropylbenzene	11.20	105	936836	48.965	ug/l	99
74) N-amyl acetate	11.44	43	251078	55.553	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.76	83	164357	49.951	ug/l	100
76) 1,2,3-Trichloropropane	11.86	75	107196	47.352	ug/l #	1
77) Bromobenzene	11.57	156	210528	51.365	ug/l	96
78) n-propylbenzene	11.66	91	984920	48.798	ug/l	100
79) 2-Chlorotoluene	11.79	91	599985	49.005	ug/l	100
80) 1,3,5-Trimethylbenzene	11.89	105	774962	48.632	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.93	75	63820	55.278	ug/l #	85
82) 4-Chlorotoluene	11.96	91	566471	47.875	ug/l	99
83) tert-Butylbenzene	12.19	119	817466	49.606	ug/l	99
84) 1,2,4-Trimethylbenzene	12.26	105	727669	47.188	ug/l	100
85) sec-Butylbenzene	12.36	105	1049429	49.052	ug/l	100
86) p-Isopropyltoluene	12.51	119	866566	47.749	ug/l	100
87) 1,3-Dichlorobenzene	12.53	146	349208	45.914	ug/l	99
88) 1,4-Dichlorobenzene	12.62	146	343481	46.820	ug/l	99
89) n-Butylbenzene	12.88	91	811839	54.903	ug/l	100
90) Hexachloroethane	12.96	117	235853	50.609	ug/l	99
91) 1,2-Dichlorobenzene	12.99	146	352043	47.936	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.68	75	31170	48.215	ug/l	94

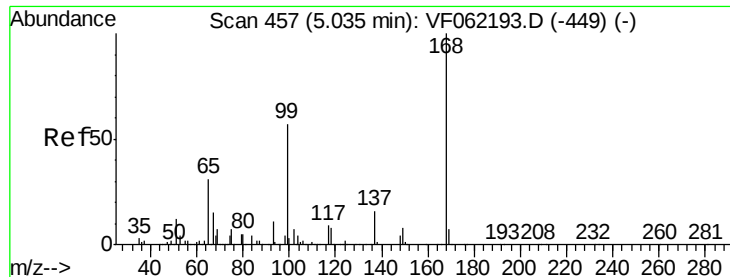
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	299703	48.774	ug/l	98
94) Hexachlorobutadiene	14.22	225	212707	50.484	ug/l	100
95) Naphthalene	14.48	128	564811	52.569	ug/l	99
96) 1,2,3-Trichlorobenzene	14.63	180	296219	50.214	ug/l	100

(#) = 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: VF062196.D

Acq: 17 Apr 2019 20:33

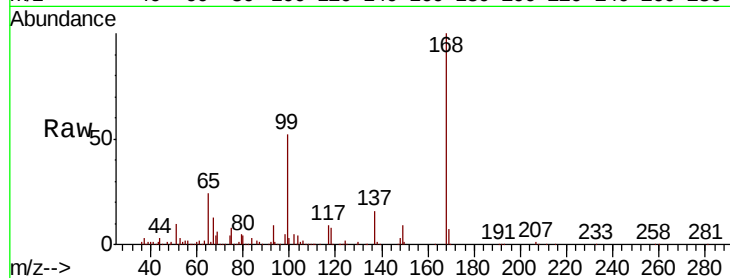
Instrument :
MSVOA_F
ClientSampled :

Tot Ion:168 Resp: 382894

Ion Ratio Lower Upper

168 100

99 51.6 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

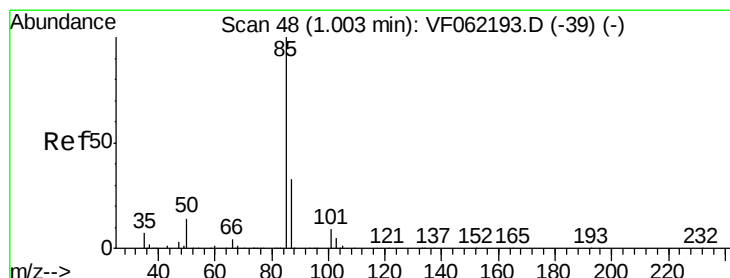
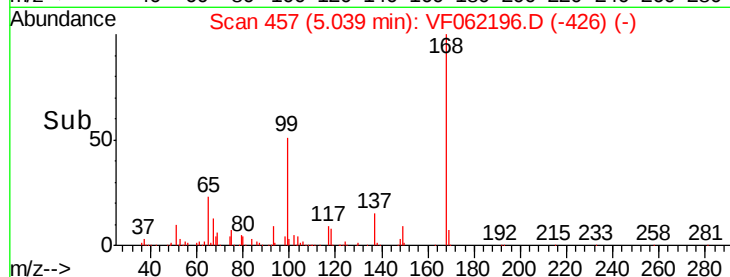
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 47.165 ug/l

RT: 1.00 min Scan# 47

Delta R.T. -0.01 min

Lab File: VF062196.D

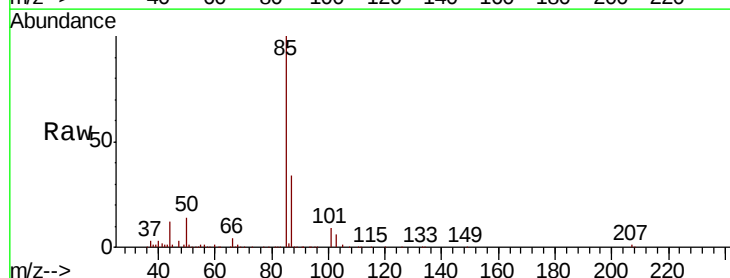
Acq: 17 Apr 2019 20:33

Tgt Ion: 85 Resp: 274446

Ion Ratio Lower Upper

85 100

87 34.0 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

80000

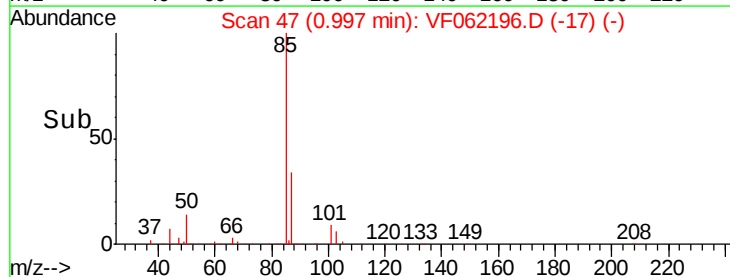
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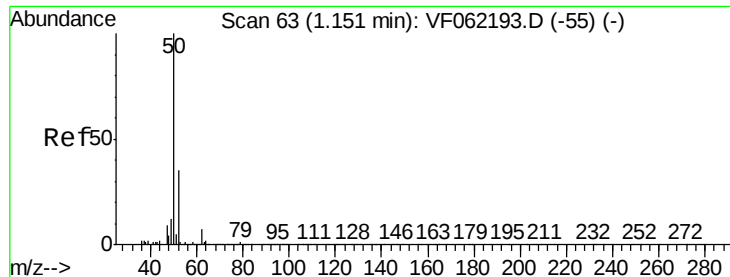
40000

20000

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Time-->





#3

Chloromethane

Concen: 47.704 ug/l

RT: 1.14 min Scan# 62

Delta R.T. -0.01 min

Lab File: VF062196.D

Acq: 17 Apr 2019 20:33

Instrument :

MSVOA_F

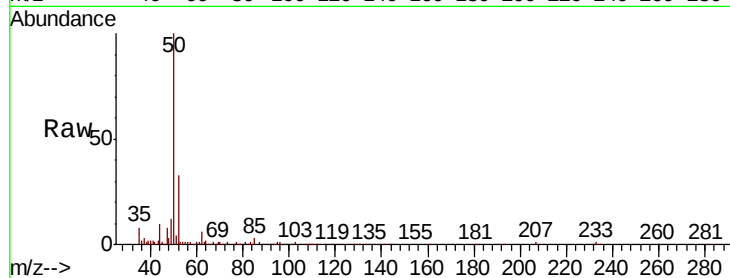
ClientSampleId :

Tot Ion: 50 Resp: 286908

Ion Ratio Lower Upper

50 100

52 32.9 27.0 40.4



Abundance Ion 49.90 (49.60 to 50.60): VF0

Ion 51.90 (51.60 to 52.60): VF0

1.14

80000

60000

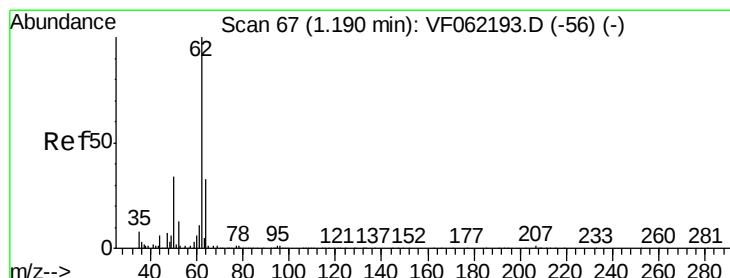
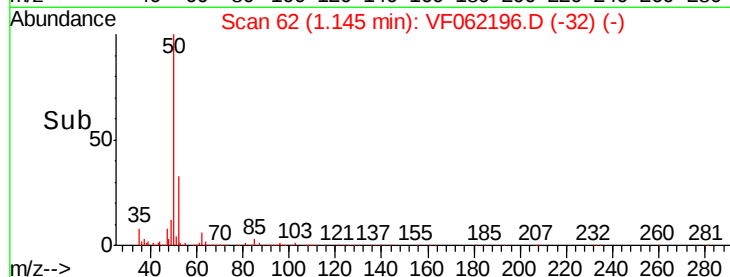
40000

20000

0

1.00 1.10 1.20 1.30

Time-->



#4

Vinyl Chloride

Concen: 49.434 ug/l

RT: 1.18 min Scan# 66

Delta R.T. -0.01 min

Lab File: VF062196.D

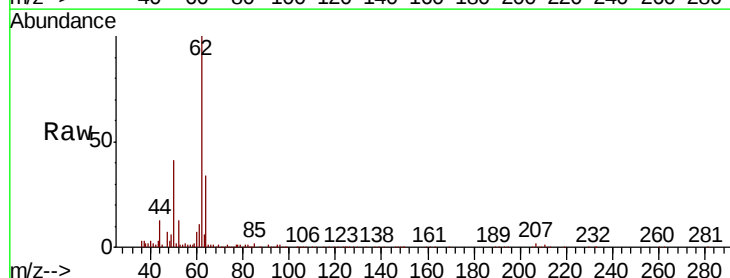
Acq: 17 Apr 2019 20:33

Tgt Ion: 62 Resp: 255431

Ion Ratio Lower Upper

62 100

64 34.1 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VF0

Ion 63.90 (63.60 to 64.60): VF0

80000

60000

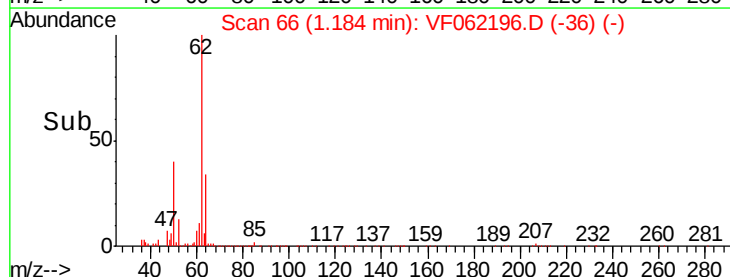
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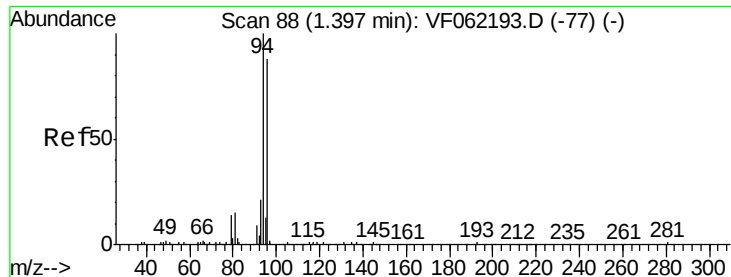
20000

0

1.00 1.20 1.40

Time-->





#5

Bromomethane

Concen: 52.812 ug/l

RT: 1.39 min Scan# 87

Delta R.T. -0.01 min

Lab File: VF062196.D

Acq: 17 Apr 2019 20:33

Instrument :

MSVOA_F

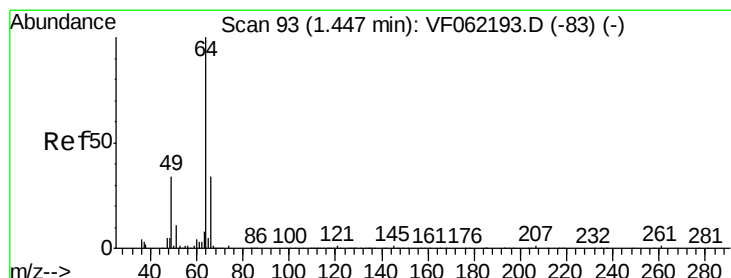
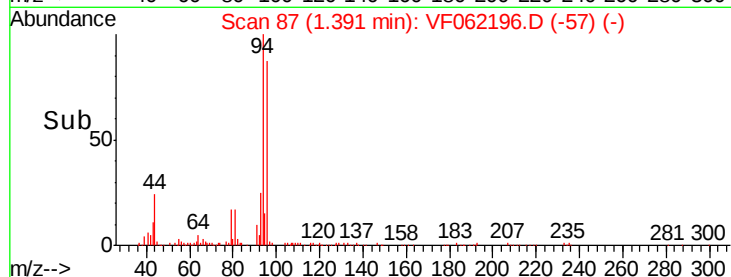
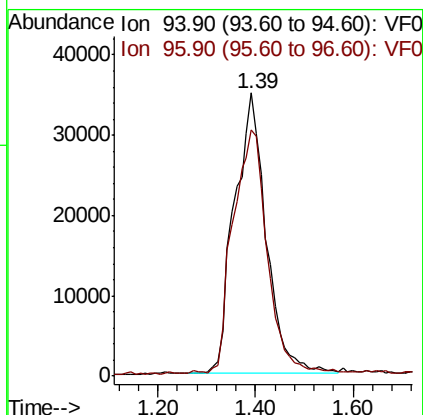
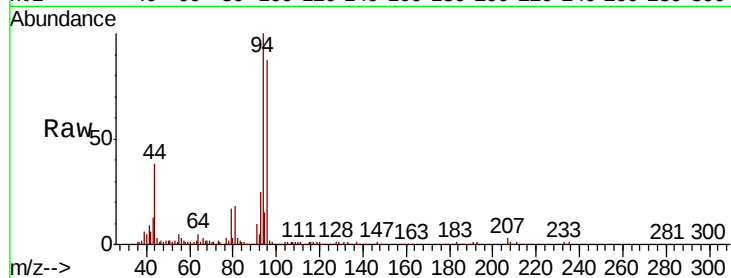
ClientSampleId :

Tot Ion: 94 Resp: 158524

Ion Ratio Lower Upper

94 100

96 87.0 70.2 105.4



#6

Chloroethane

Concen: 52.537 ug/l

RT: 1.44 min Scan# 92

Delta R.T. -0.01 min

Lab File: VF062196.D

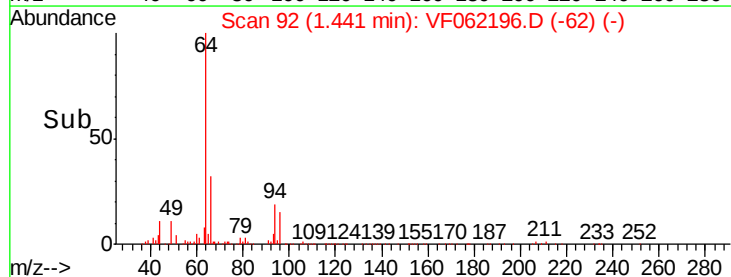
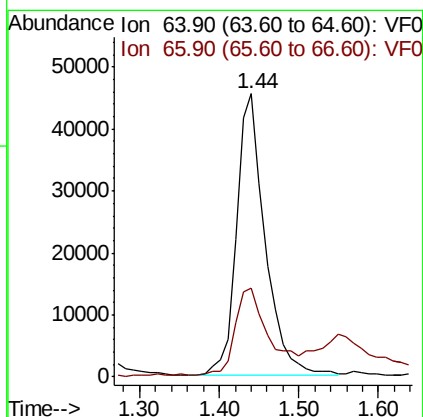
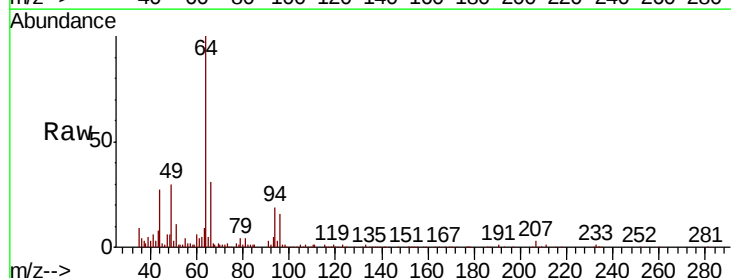
Acq: 17 Apr 2019 20:33

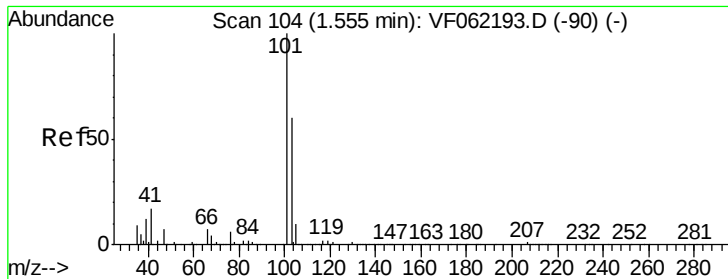
Tgt Ion: 64 Resp: 113486

Ion Ratio Lower Upper

64 100

66 30.7 27.0 40.4



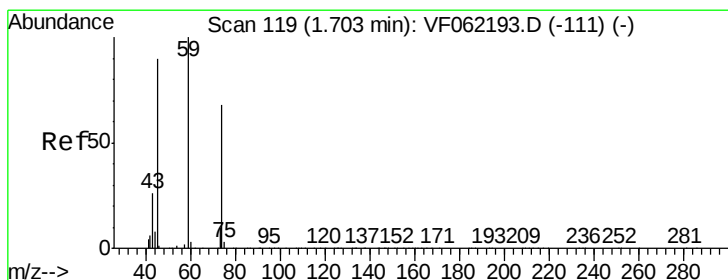
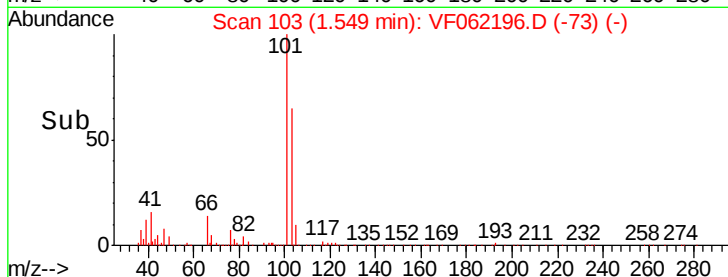
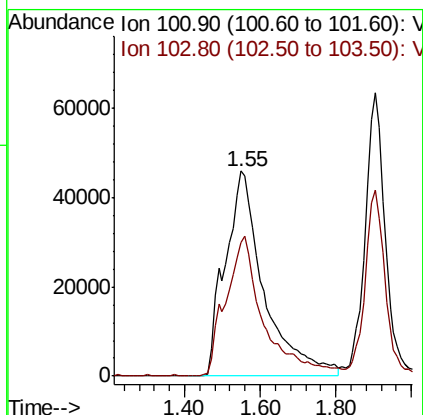
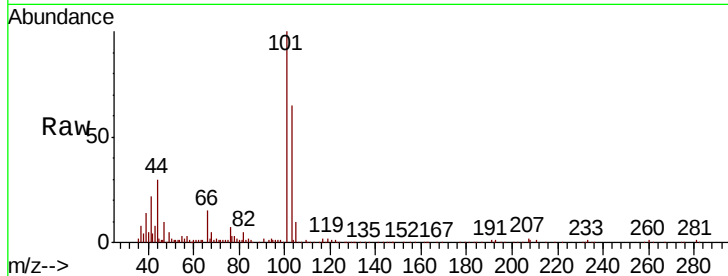


#7

Trichlorofluoromethane
Concen: 49.830 ug/l
RT: 1.55 min Scan# 103
Delta R.T. -0.01 min
Lab File: VF062196.D
Acq: 17 Apr 2019 20:33

Instrument :
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ClientSampleId :

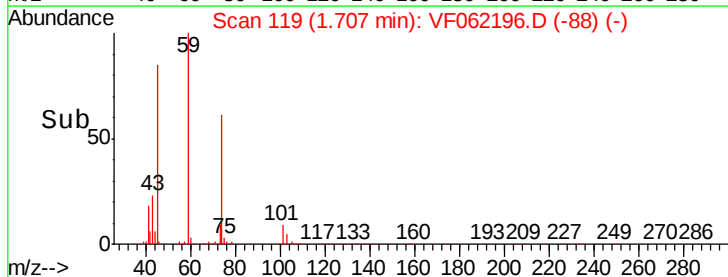
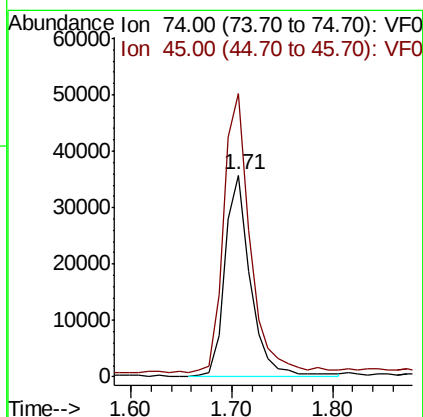
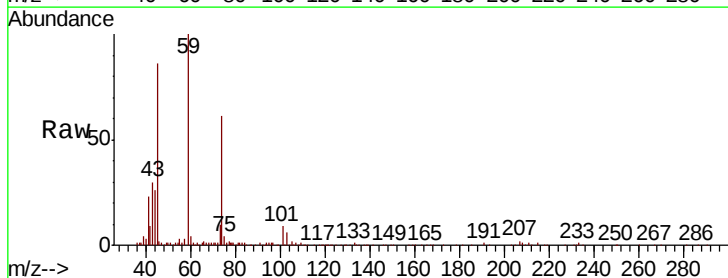
Tot Ion:101 Resp: 327100
Ion Ratio Lower Upper
101 100
103 64.9 48.2 72.4

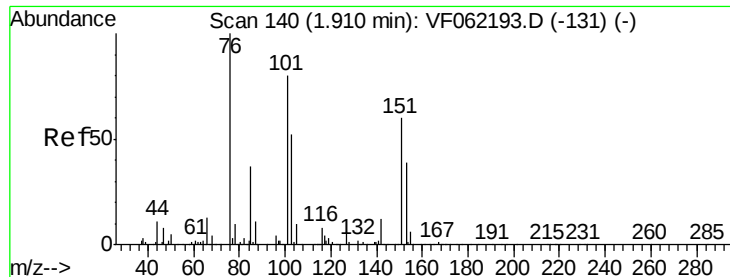


#8

Diethyl Ether
Concen: 45.344 ug/l
RT: 1.71 min Scan# 119
Delta R.T. 0.00 min
Lab File: VF062196.D
Acq: 17 Apr 2019 20:33

Tgt Ion: 74 Resp: 61950
Ion Ratio Lower Upper
74 100
45 145.7 70.0 210.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.188 ug/l

RT: 1.90 min Scan# 139

Delta R.T. -0.01 min

Lab File: VF062196.D

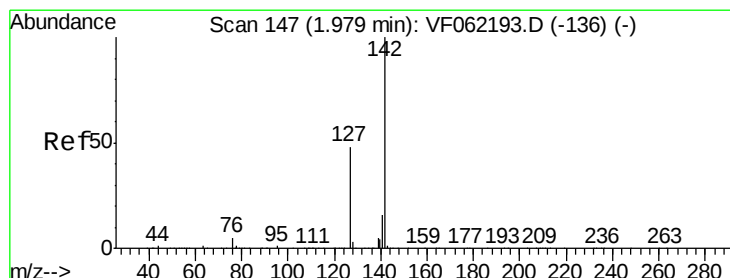
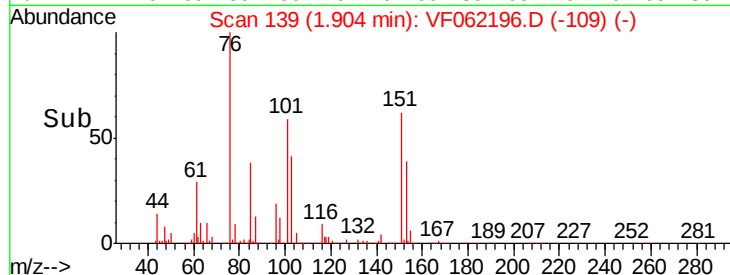
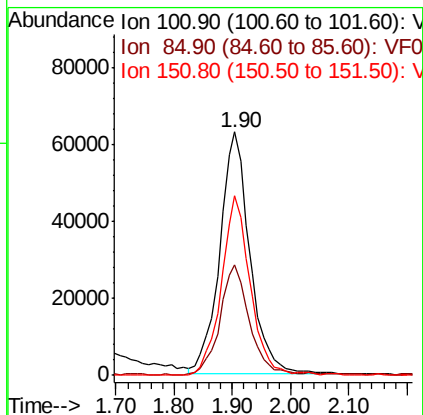
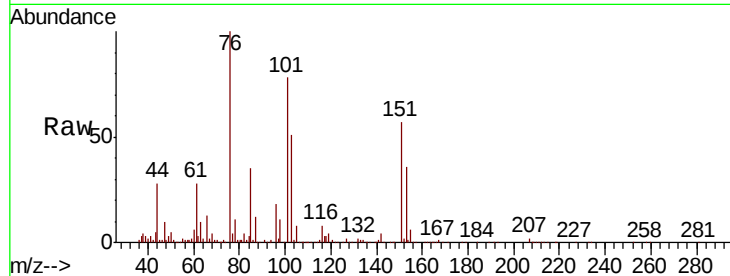
Acq: 17 Apr 2019 20:33

Instrument :

MSVOA_F

ClientSampleId :

Tot Ion:	101	Resp:	225064
Ion	Ratio	Lower	Upper
101	100		
85	44.9	35.3	52.9
151	71.6	57.5	86.3



#10

Methyl Iodide

Concen: 50.005 ug/l

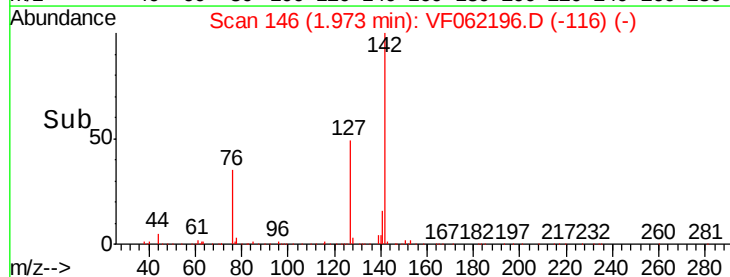
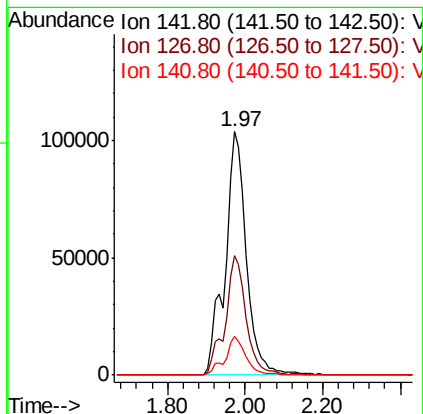
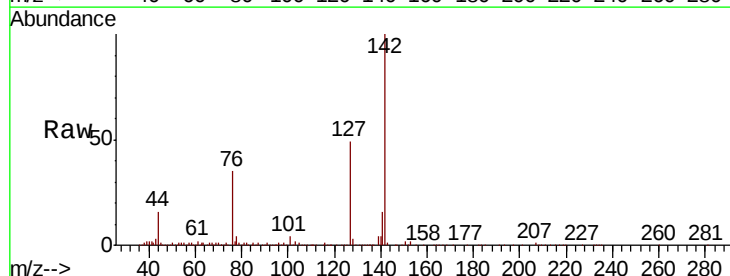
RT: 1.97 min Scan# 146

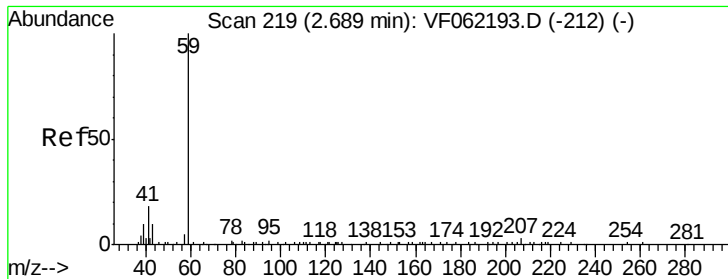
Delta R.T. -0.01 min

Lab File: VF062196.D

Acq: 17 Apr 2019 20:33

Tgt Ion:	142	Resp:	398366
Ion	Ratio	Lower	Upper
142	100		
127	48.4	33.0	49.4
141	15.8	12.7	19.1

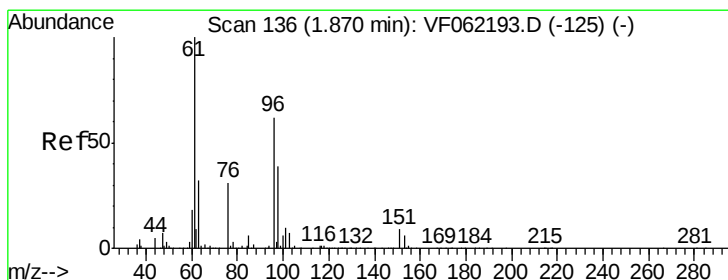
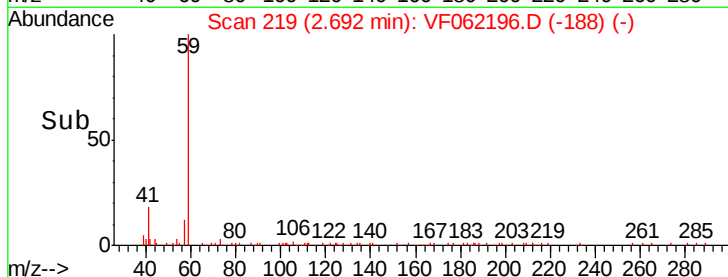
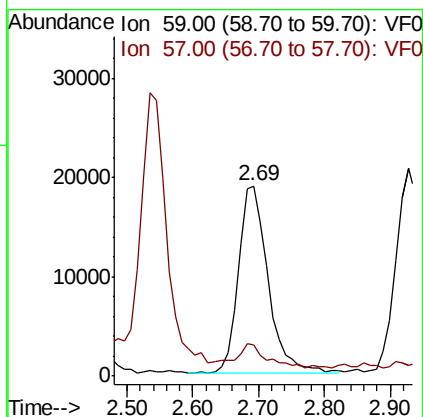
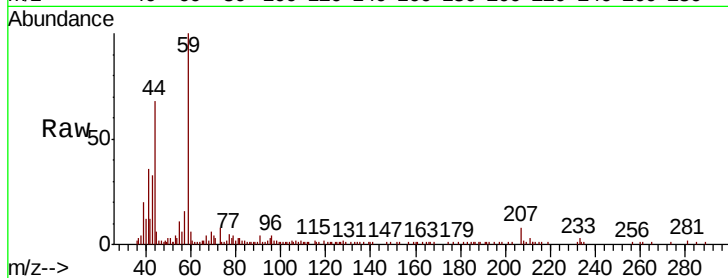




#11
Tert butyl alcohol
Concen: 244.299 ug/l
RT: 2.69 min Scan# 219
Delta R.T. 0.00 min
Lab File: VF062196.D
Acq: 17 Apr 2019 20:33

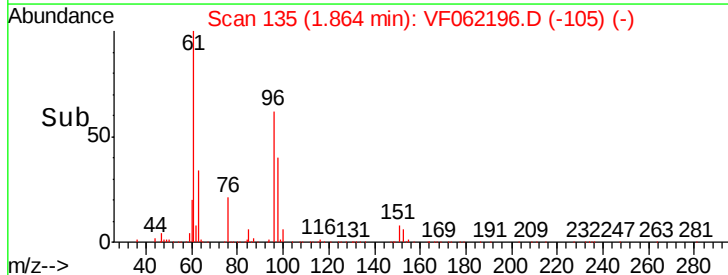
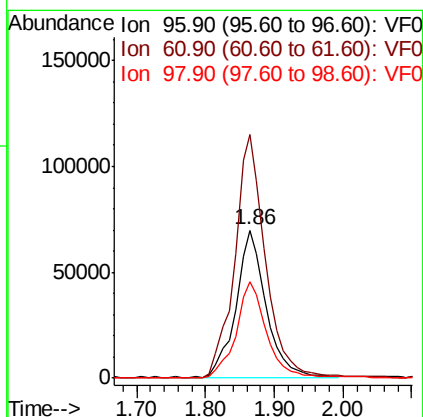
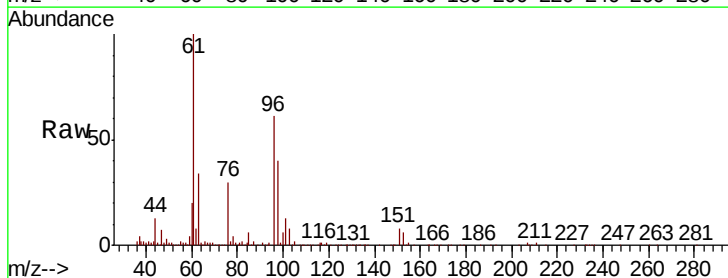
Instrument :
MSVOA_F
ClientSampleId :

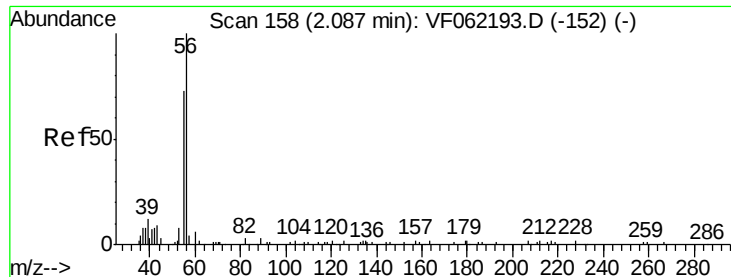
Tot Ion: 59 Resp: 59621
Ion Ratio Lower Upper
59 100
57 12.9 9.3 13.9



#12
1,1-Dichloroethene
Concen: 49.303 ug/l
RT: 1.86 min Scan# 135
Delta R.T. -0.01 min
Lab File: VF062196.D
Acq: 17 Apr 2019 20:33

Tgt Ion: 96 Resp: 210290
Ion Ratio Lower Upper
96 100
61 165.4 129.1 193.7
98 65.7 50.0 75.0

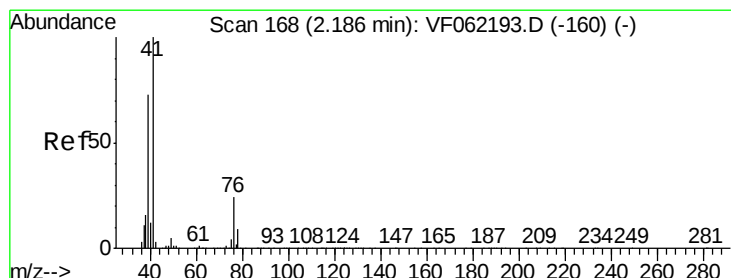
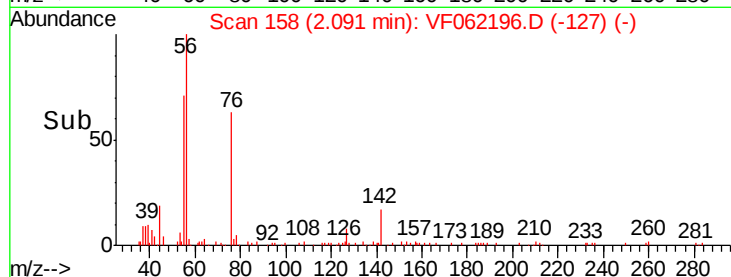
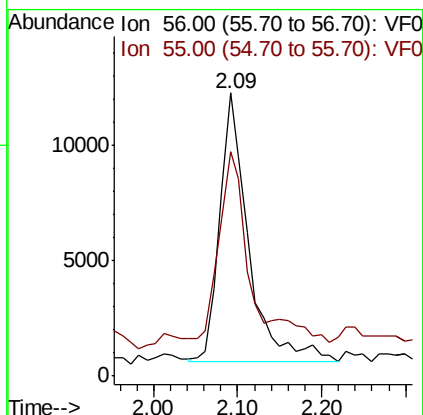
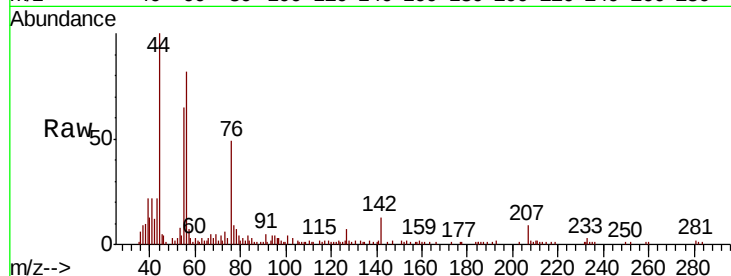




#13
Acrolein
Concen: 256.679 ug/l
RT: 2.09 min Scan# 158
Delta R.T. 0.00 min
Lab File: VF062196.D
Acq: 17 Apr 2019 20:33

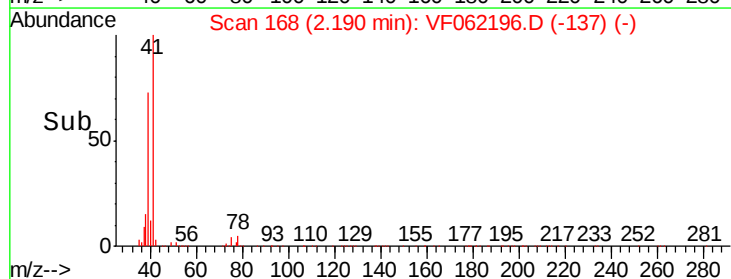
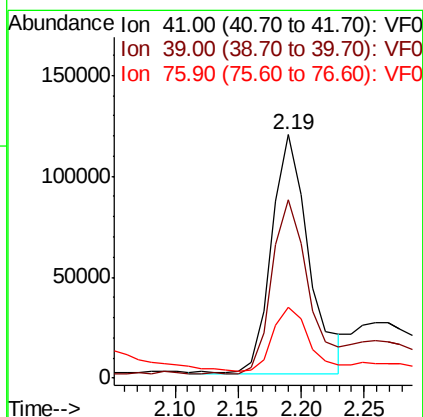
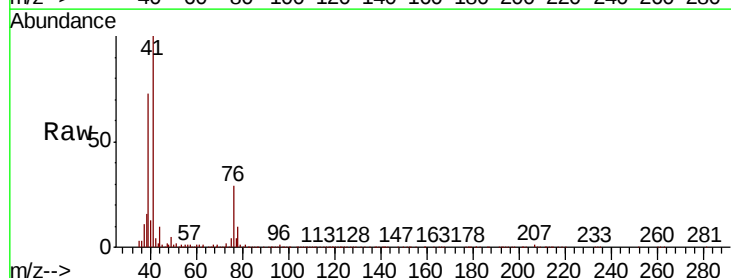
Instrument :
MSVOA_F
ClientSampled :

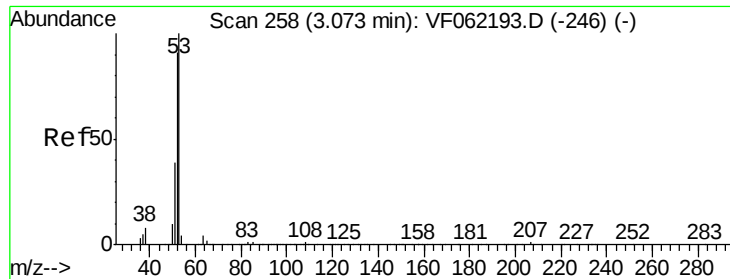
Tot Ion: 56 Resp: 27408
Ion Ratio Lower Upper
56 100
55 63.2 57.4 86.0



#14
Allyl chloride
Concen: 50.048 ug/l
RT: 2.19 min Scan# 168
Delta R.T. 0.00 min
Lab File: VF062196.D
Acq: 17 Apr 2019 20:33

Tgt Ion: 41 Resp: 244984
Ion Ratio Lower Upper
41 100
39 72.2 60.0 90.0
76 26.6 20.6 30.8





#15

Acrylonitrile

Concen: 249.962 ug/l

RT: 3.09 min Scan# 259

Delta R.T. 0.01 min

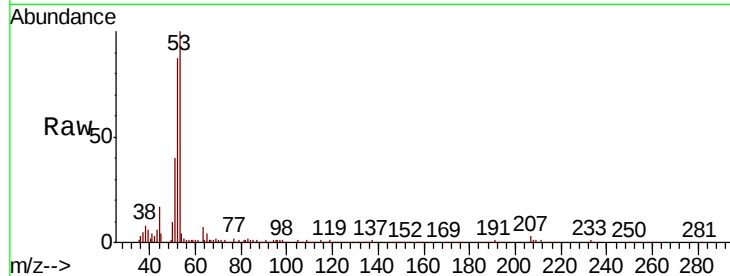
Lab File: VF062196.D

Acq: 17 Apr 2019 20:33

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 53 Resp: 185801

Ion	Ratio	Lower	Upper
53	100		
52	89.5	69.5	104.3
51	38.4	31.8	47.8

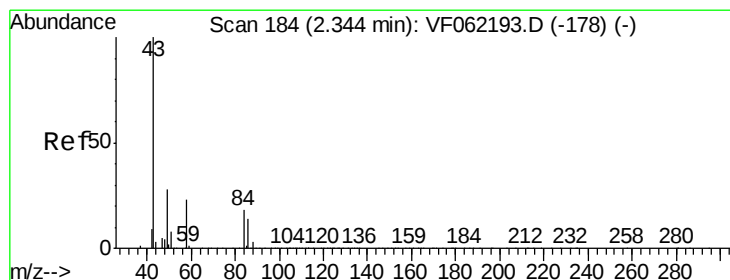
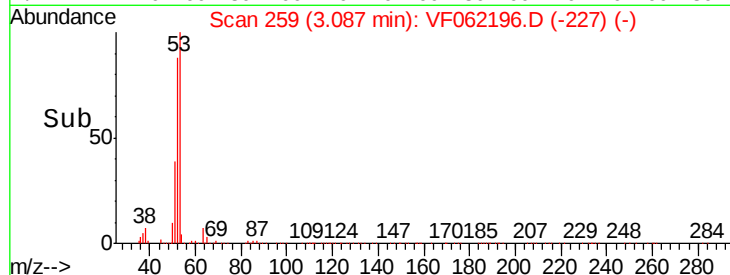
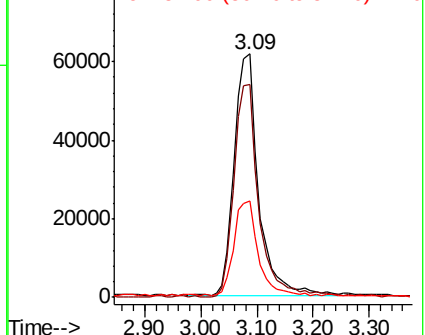


Abundance

Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 219.080 ug/l

RT: 2.34 min Scan# 183

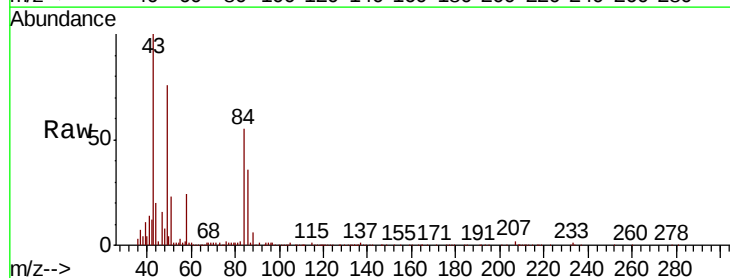
Delta R.T. -0.01 min

Lab File: VF062196.D

Acq: 17 Apr 2019 20:33

Tgt Ion: 43 Resp: 183853

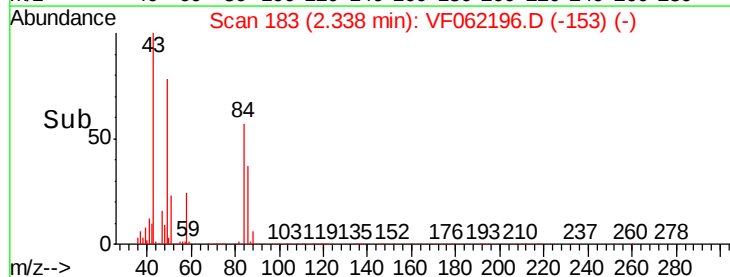
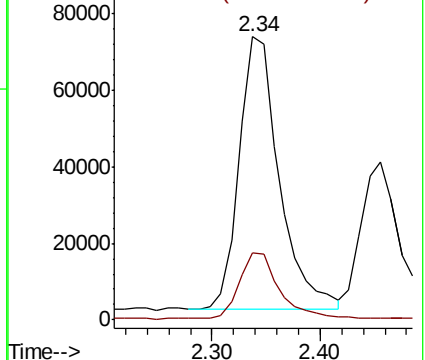
Ion	Ratio	Lower	Upper
43	100		
58	24.1	18.8	28.2

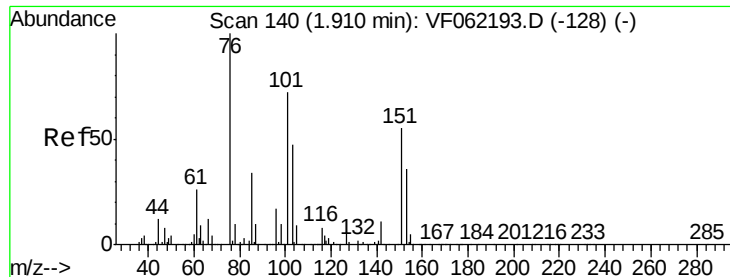


Abundance

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

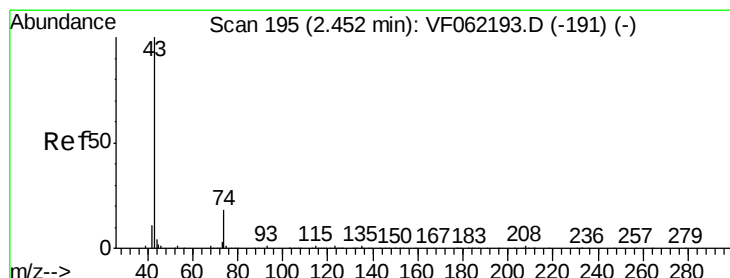
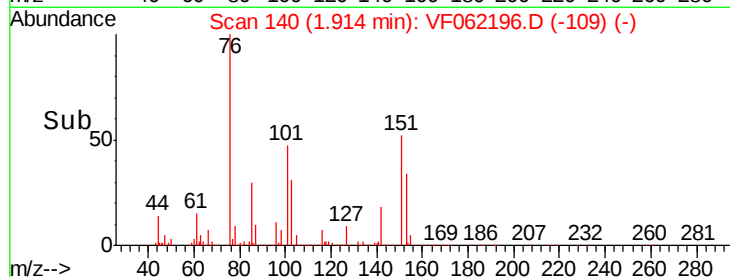
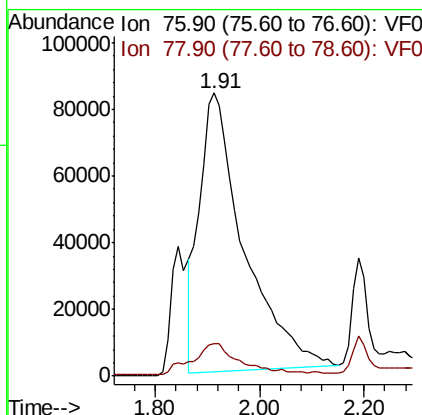
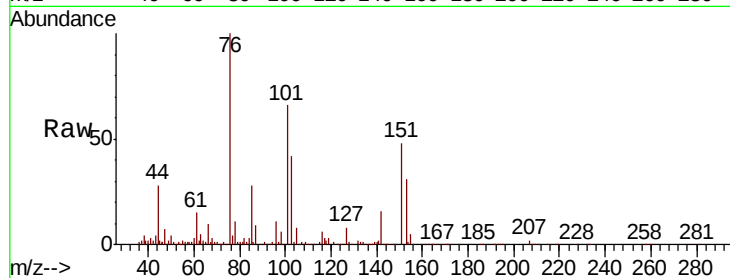




#17
Carbon Disulfide
Concen: 41.657 ug/l
RT: 1.91 min Scan# 140
Delta R.T. 0.00 min
Lab File: VF062196.D
Acq: 17 Apr 2019 20:33

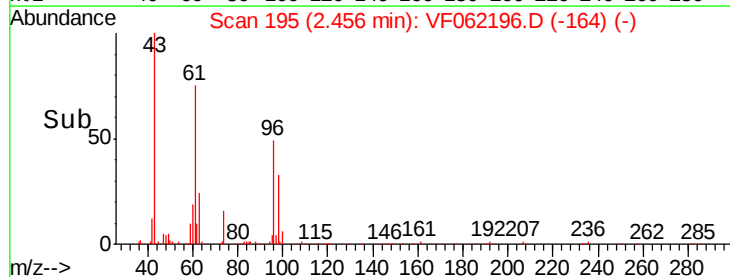
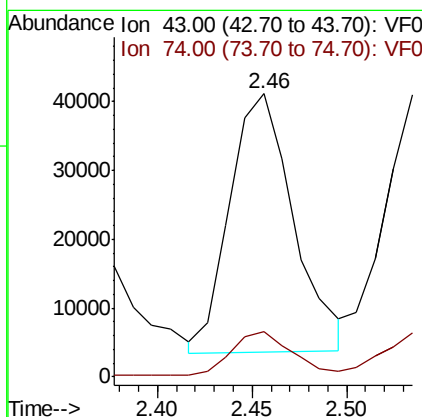
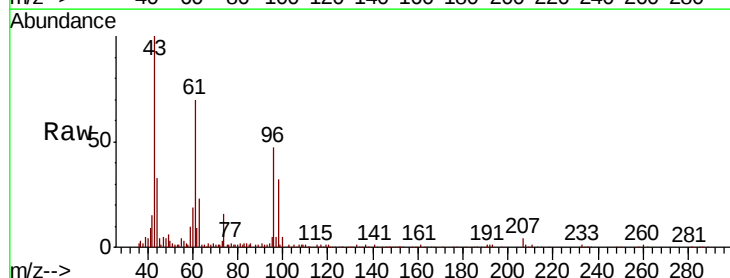
Instrument :
MSVOA_F
ClientSampled :

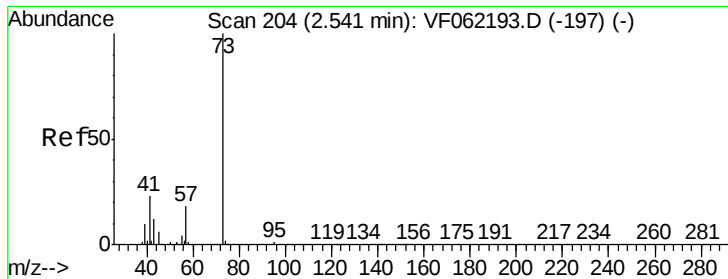
Tot Ion: 76 Resp: 493729
Ion Ratio Lower Upper
76 100
78 10.7 8.7 13.1



#18
Methyl Acetate
Concen: 48.228 ug/l
RT: 2.46 min Scan# 195
Delta R.T. 0.00 min
Lab File: VF062196.D
Acq: 17 Apr 2019 20:33

Tgt Ion: 43 Resp: 87560
Ion Ratio Lower Upper
43 100
74 16.4 14.5 21.7



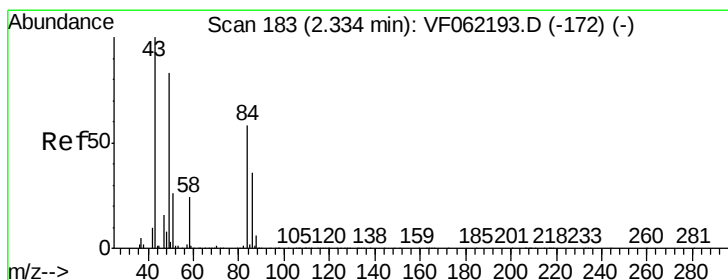
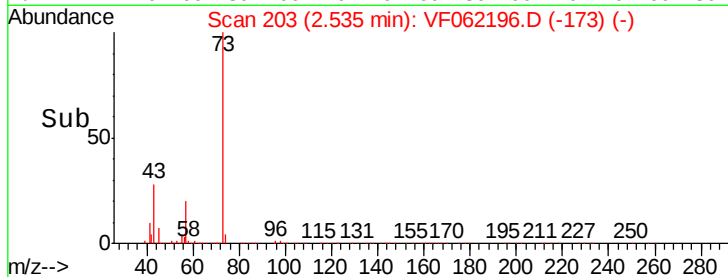
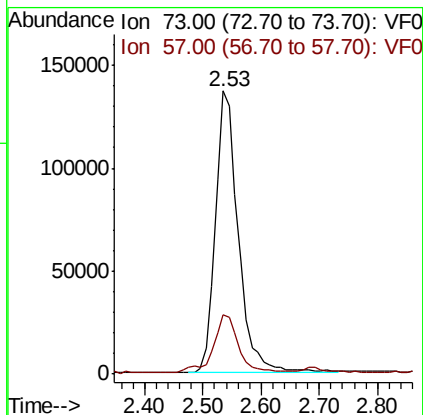
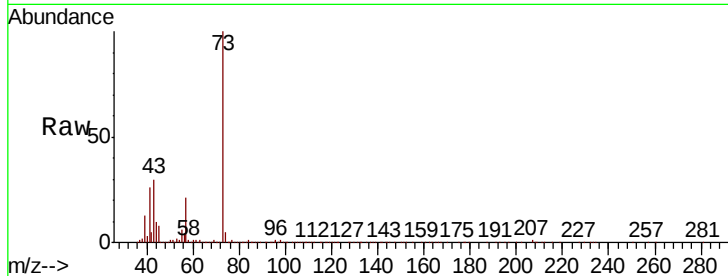


#19

Methyl tert-butyl Ether
Concen: 49.564 ug/l
RT: 2.53 min Scan# 203
Delta R.T. -0.01 min
Lab File: VF062196.D
Acq: 17 Apr 2019 20:33

Instrument :
MSVOA_F
ClientSampleId :

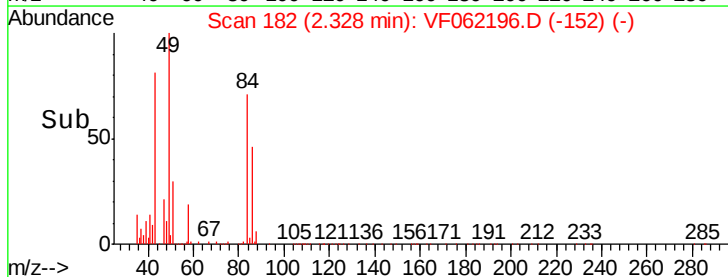
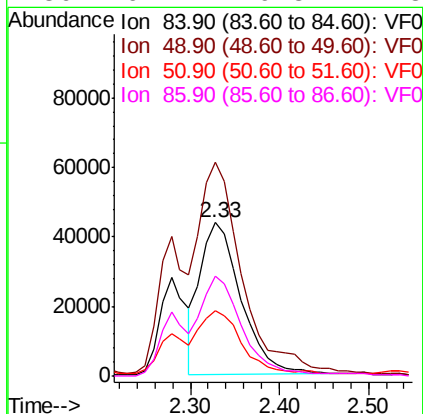
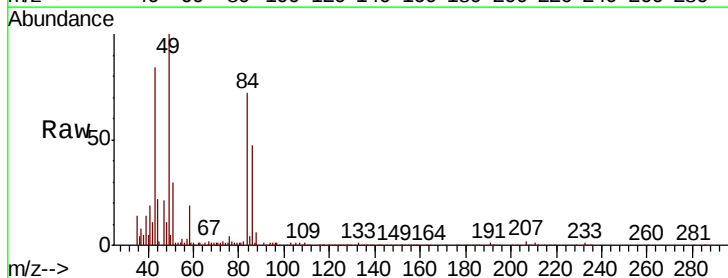
Tot Ion: 73 Resp: 373251
Ion Ratio Lower Upper
73 100
57 19.9 15.1 22.7

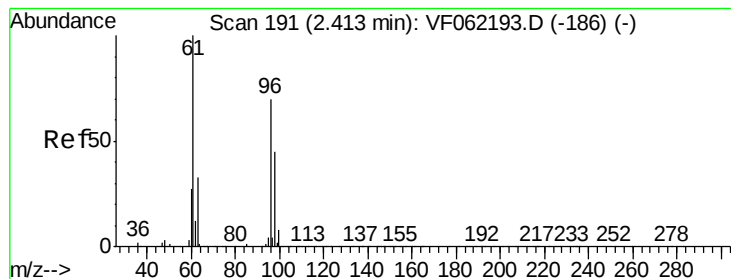


#20

Methylene Chloride
Concen: 31.453 ug/l
RT: 2.33 min Scan# 182
Delta R.T. -0.01 min
Lab File: VF062196.D
Acq: 17 Apr 2019 20:33

Tgt Ion: 84 Resp: 139212
Ion Ratio Lower Upper
84 100
49 138.3 114.0 171.0
51 41.2 37.0 55.4
86 64.7 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 48.215 ug/l

RT: 2.42 min Scan# 191

Delta R.T. 0.00 min

Lab File: VF062196.D

Acq: 17 Apr 2019 20:33

Instrument :
MSVOA_F
ClientSampled :

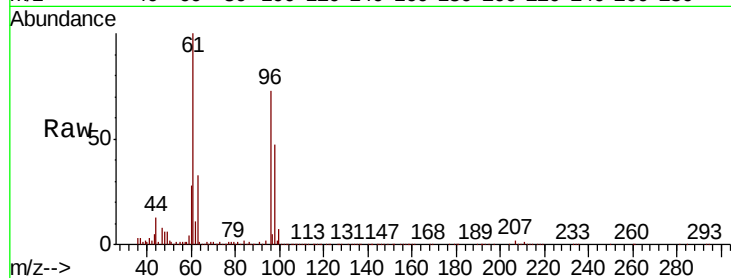
Tot Ion: 96 Resp: 203372

Ion Ratio Lower Upper

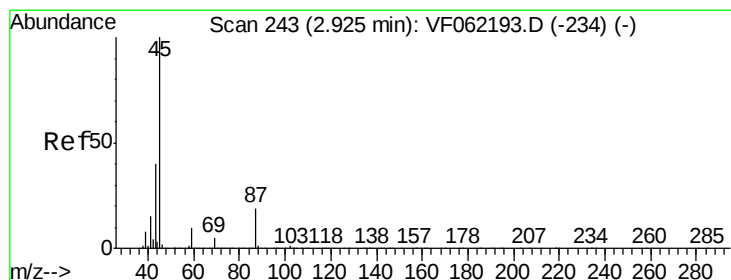
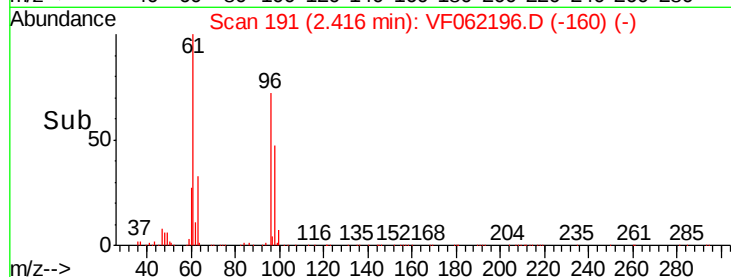
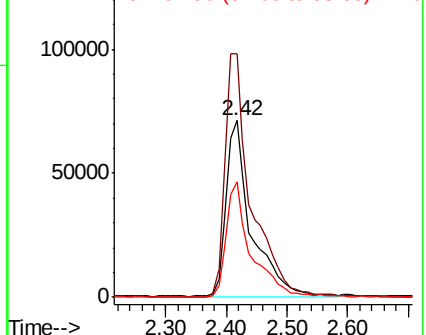
96 100

61 138.3 114.6 172.0

98 65.4 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: 47.722 ug/l

RT: 2.93 min Scan# 243

Delta R.T. 0.00 min

Lab File: VF062196.D

Acq: 17 Apr 2019 20:33

Tgt Ion: 45 Resp: 597544

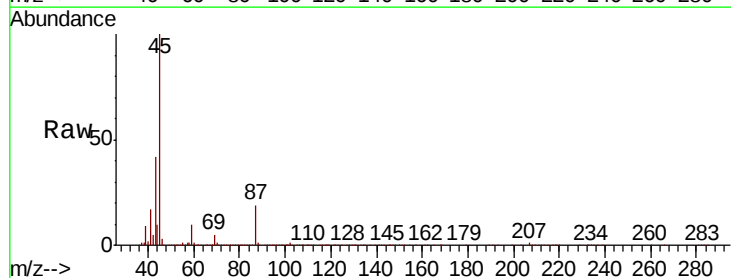
Ion Ratio Lower Upper

45 100

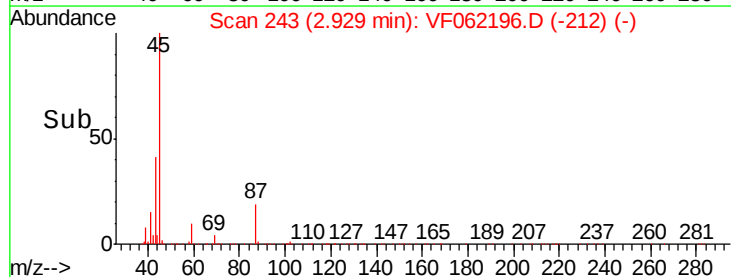
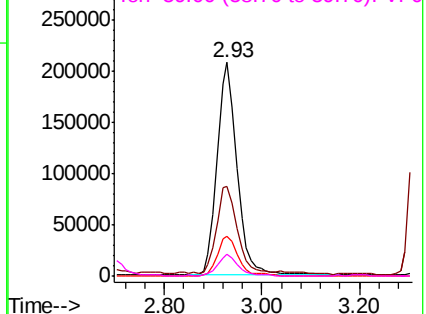
43 41.4 32.8 49.2

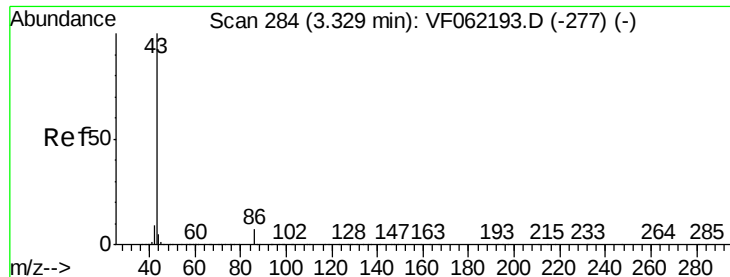
87 18.9 15.2 22.8

59 9.8 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: 254.258 ug/l

RT: 3.33 min Scan# 284

Delta R.T. 0.00 min

Lab File: VF062196.D

Acq: 17 Apr 2019 20:33

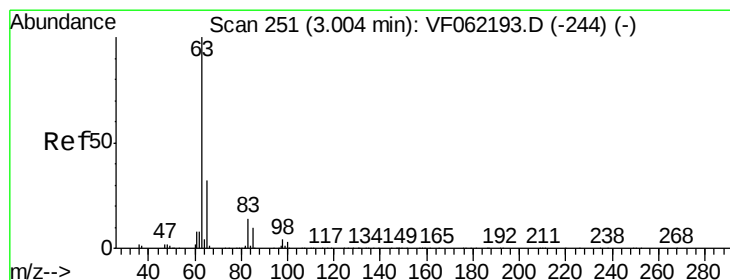
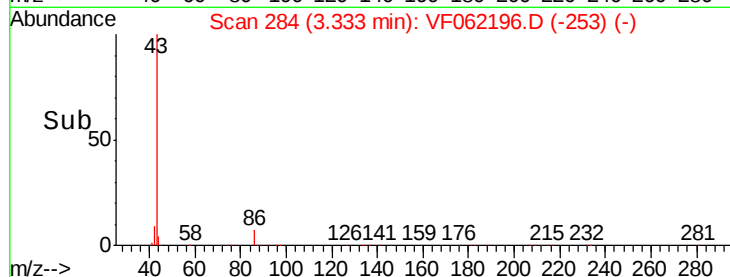
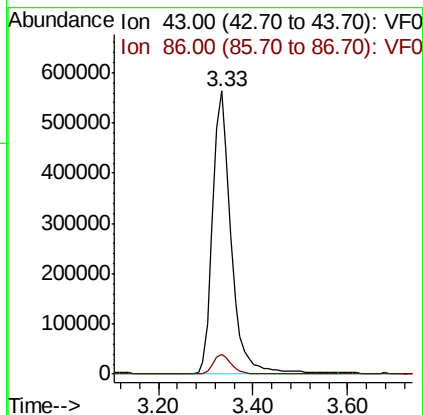
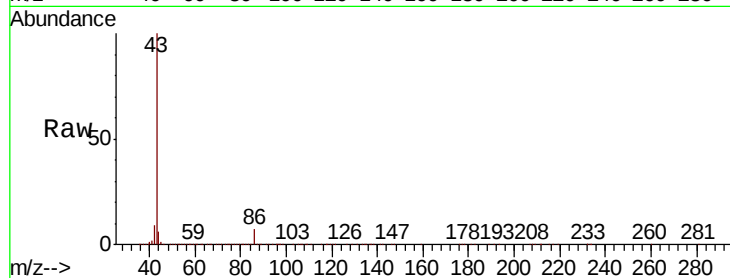
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 1516837

Ion Ratio Lower Upper

43 100

86 7.1 5.9 8.9



#24

1,1-Dichloroethane

Concen: 49.159 ug/l

RT: 3.00 min Scan# 250

Delta R.T. -0.01 min

Lab File: VF062196.D

Acq: 17 Apr 2019 20:33

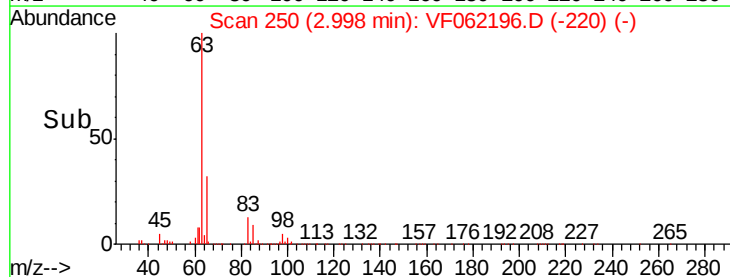
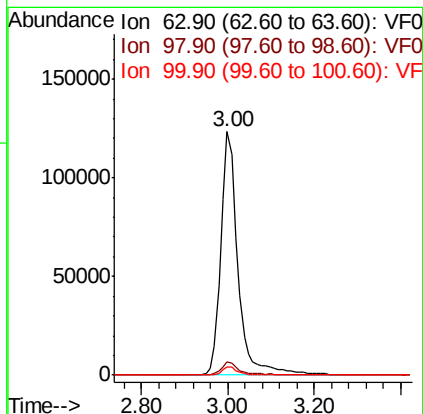
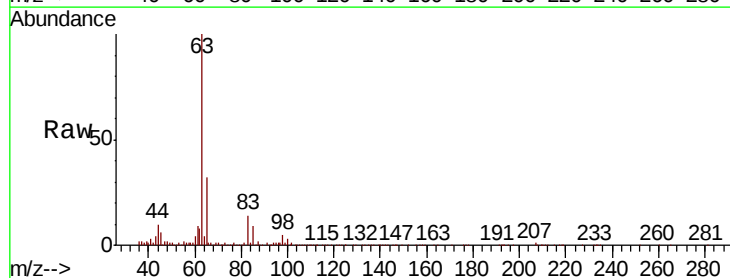
Tgt Ion: 63 Resp: 336719

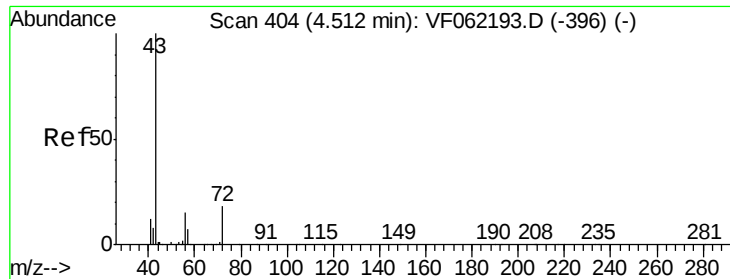
Ion Ratio Lower Upper

63 100

98 5.0 2.3 6.8

100 3.2 1.7 5.0





#25

2-Butanone

Concen: 232.949 ug/l

RT: 4.51 min Scan# 403

Delta R.T. -0.01 min

Lab File: VF062196.D

Acq: 17 Apr 2019 20:33

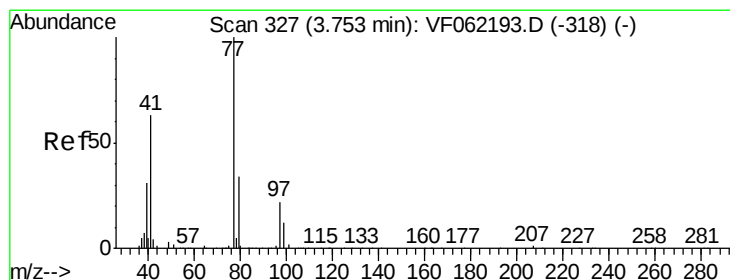
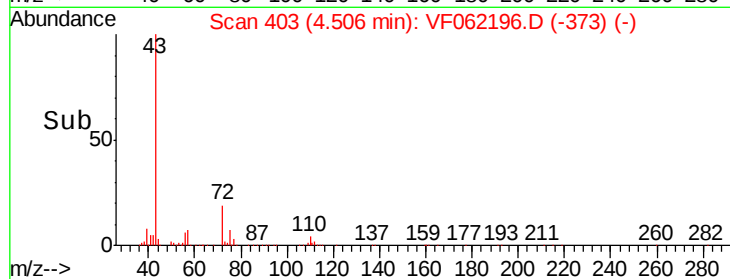
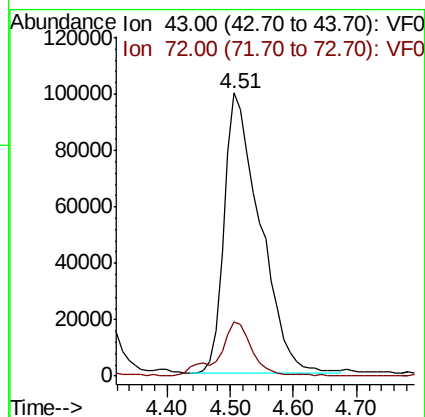
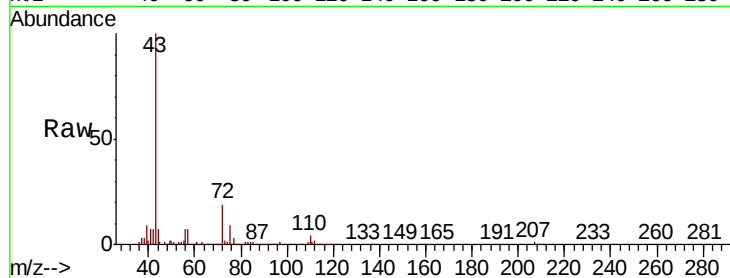
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 390895

Ion Ratio Lower Upper

43 100

72 19.3 16.1 24.1



#26

2,2-Dichloropropane

Concen: 47.190 ug/l

RT: 3.77 min Scan# 328

Delta R.T. 0.01 min

Lab File: VF062196.D

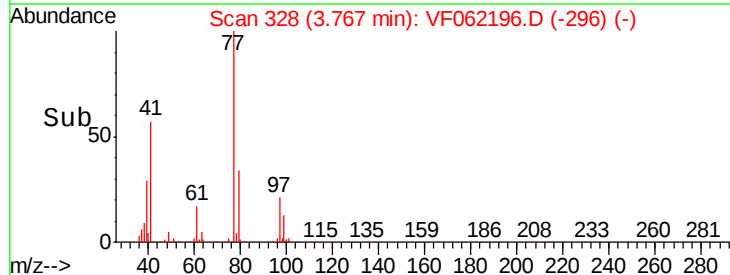
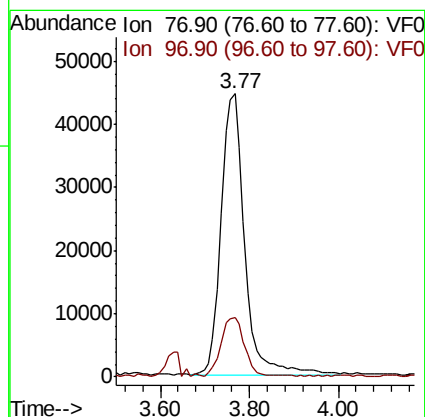
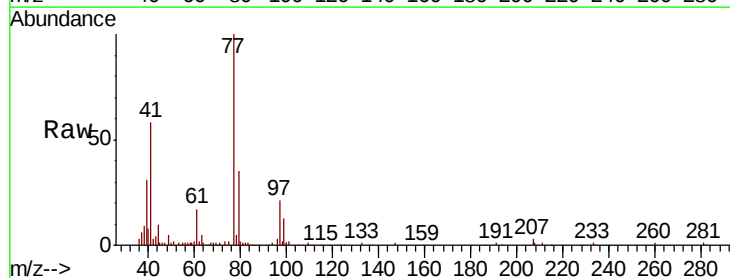
Acq: 17 Apr 2019 20:33

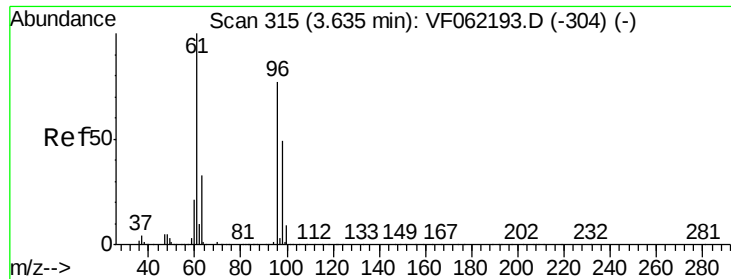
Tgt Ion: 77 Resp: 163191

Ion Ratio Lower Upper

77 100

97 21.5 11.1 33.3



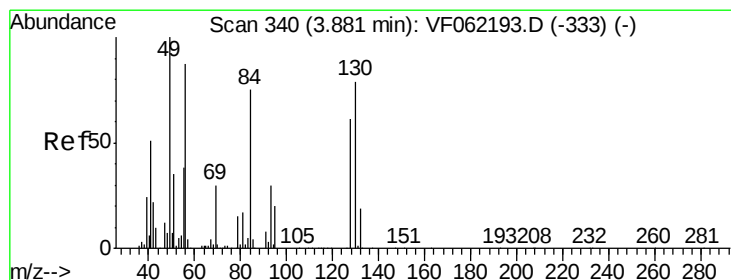
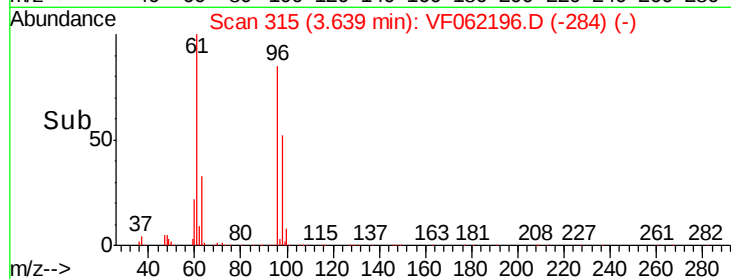
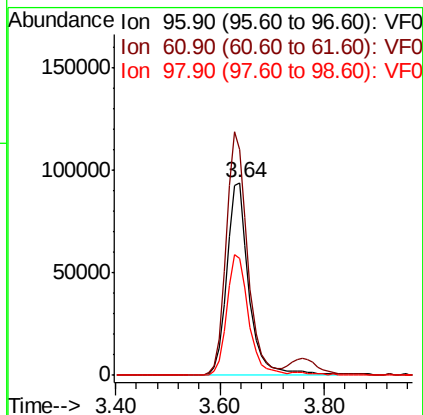
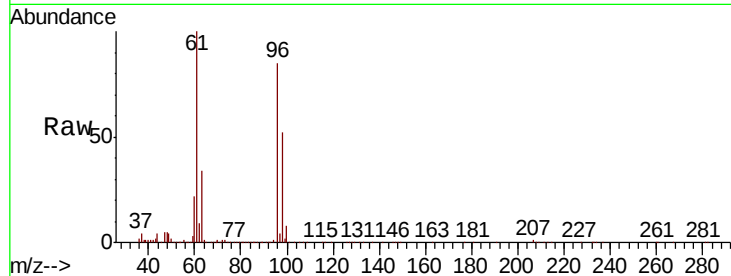


#27

cis-1,2-Dichloroethene
 Concen: 49.206 ug/l
 RT: 3.64 min Scan# 315
 Delta R.T. 0.00 min
 Lab File: VF062196.D
 Acq: 17 Apr 2019 20:33

Instrument :
 MSVOA_F
 ClientSampleId :

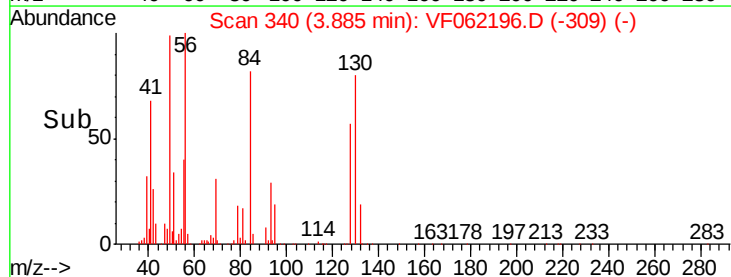
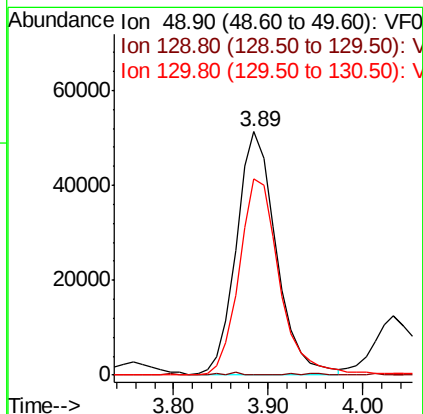
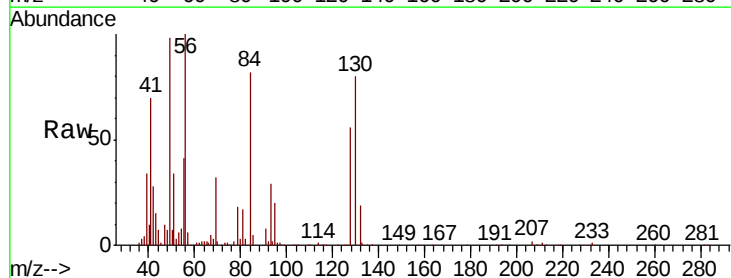
Tot Ion	96	Resp	268778
Ion	Ratio	Lower	Upper
96	100		
61	123.8	0.0	253.6
98	62.1	0.0	124.8

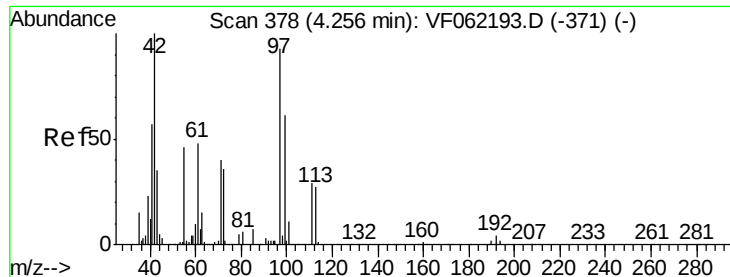


#28

Bromochloromethane
 Concen: 45.476 ug/l
 RT: 3.89 min Scan# 340
 Delta R.T. 0.00 min
 Lab File: VF062196.D
 Acq: 17 Apr 2019 20:33

Tgt Ion	49	Resp	149213
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	0.0
130	82.7	66.6	100.0

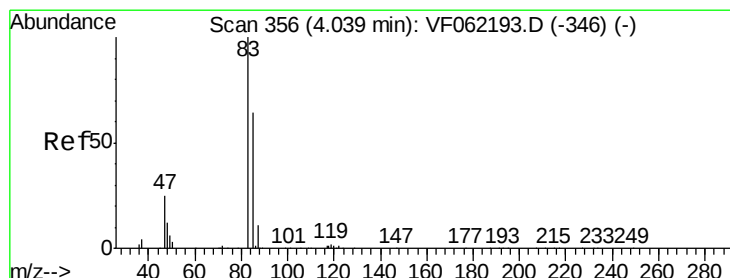
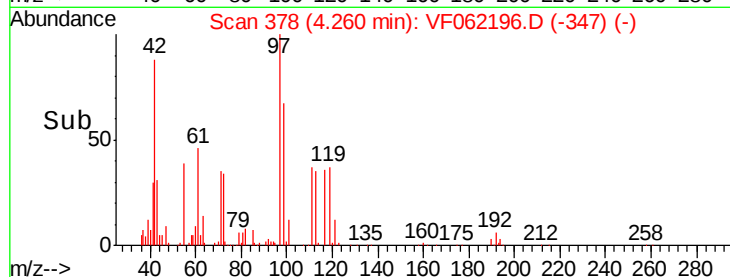
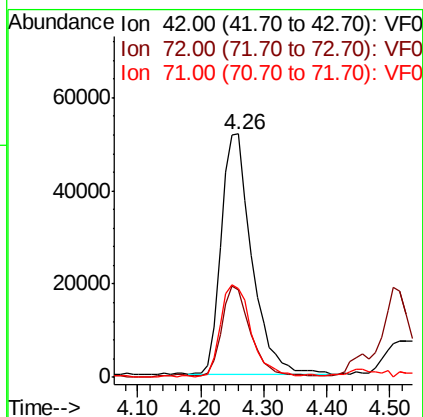
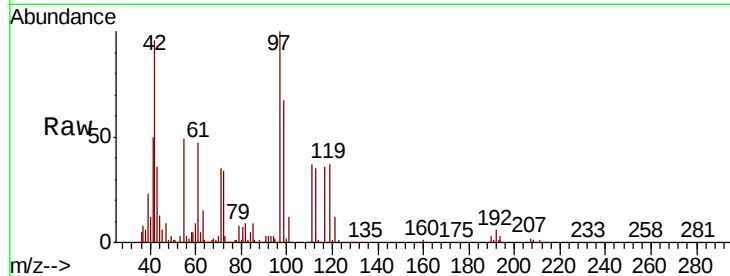




#29
Tetrahydrofuran
Concen: 229.065 ug/l
RT: 4.26 min Scan# 378
Delta R.T. 0.00 min
Lab File: VF062196.D
Acq: 17 Apr 2019 20:33

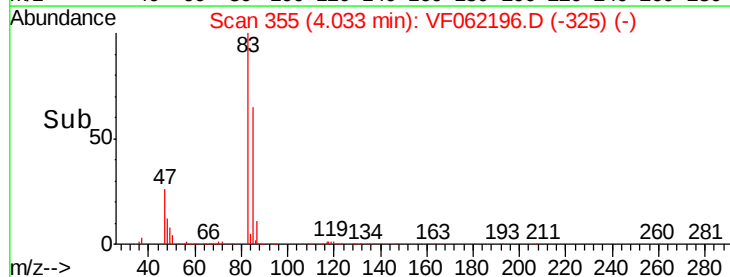
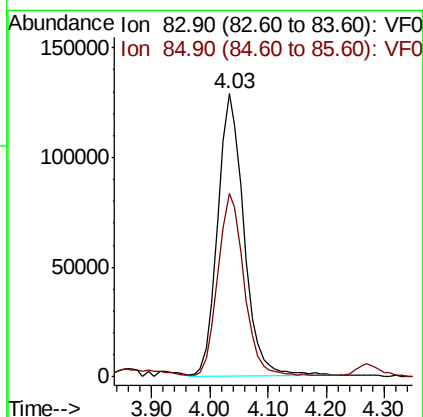
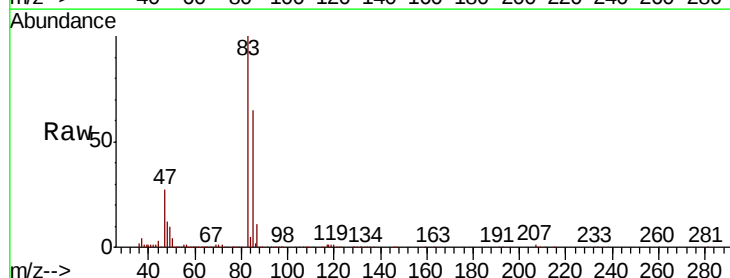
Instrument :
MSVOA_F
ClientSampleId :

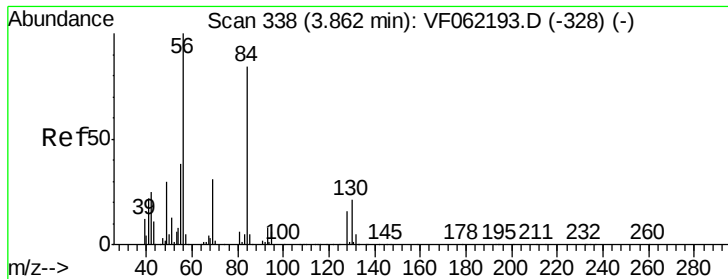
Tot Ion	Ratio	Lower	Upper
42	100		
72	34.4	28.6	43.0
71	38.4	29.2	43.8



#30
Chloroform
Concen: 47.770 ug/l
RT: 4.03 min Scan# 355
Delta R.T. -0.01 min
Lab File: VF062196.D
Acq: 17 Apr 2019 20:33

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	51.8	77.8





#31

Cyclohexane

Concen: 47.053 ug/l

RT: 3.87 min Scan# 338

Delta R.T. 0.00 min

Lab File: VF062196.D

Acq: 17 Apr 2019 20:33

Instrument :
MSVOA_F
ClientSampleId :

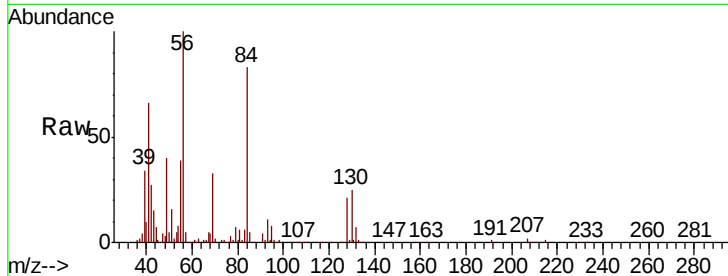
Tot Ion: 56 Resp: 386237

Ion Ratio Lower Upper

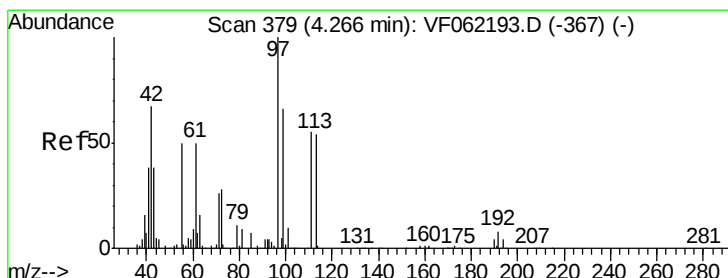
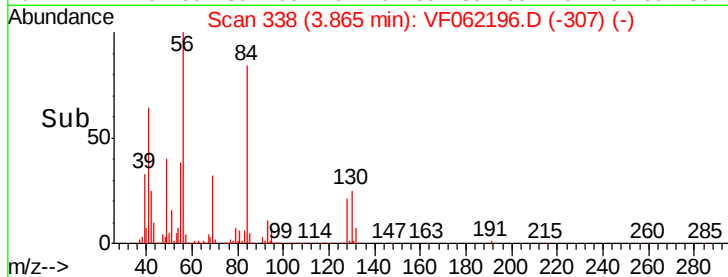
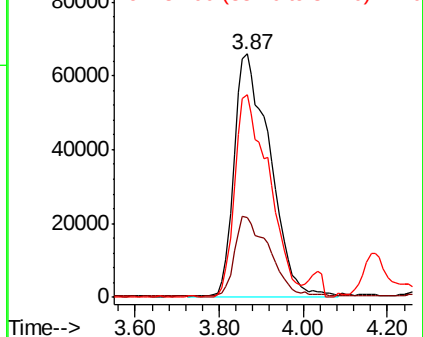
56 100

69 32.4 25.1 37.7

84 82.9 67.8 101.6



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



#32

1,1,1-Trichloroethane

Concen: 47.818 ug/l

RT: 4.27 min Scan# 379

Delta R.T. 0.00 min

Lab File: VF062196.D

Acq: 17 Apr 2019 20:33

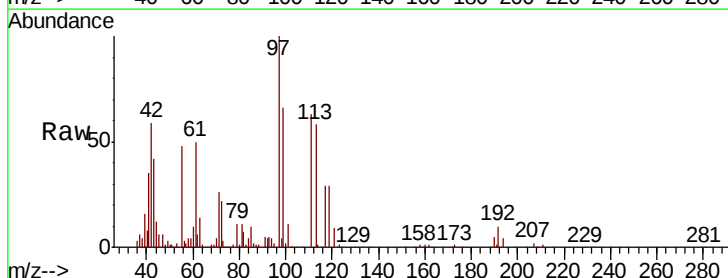
Tgt Ion: 97 Resp: 294641

Ion Ratio Lower Upper

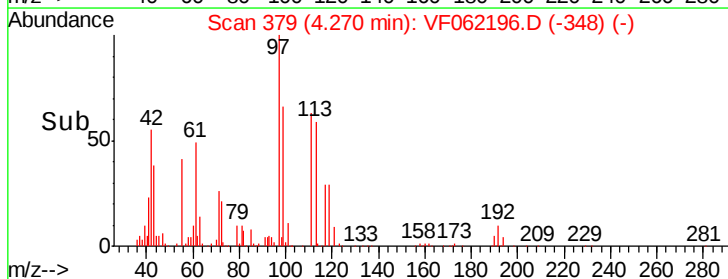
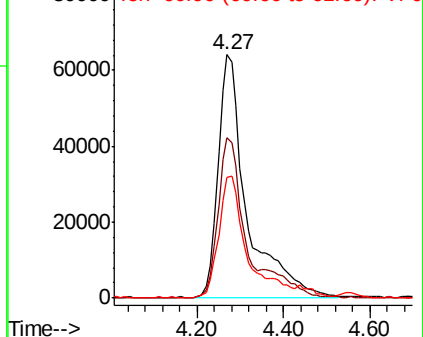
97 100

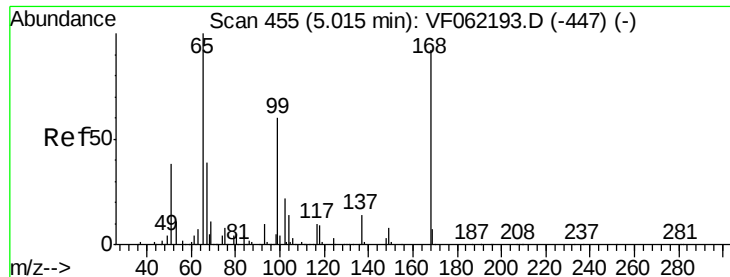
99 66.6 52.7 79.1

61 49.8 53.0 79.4#



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

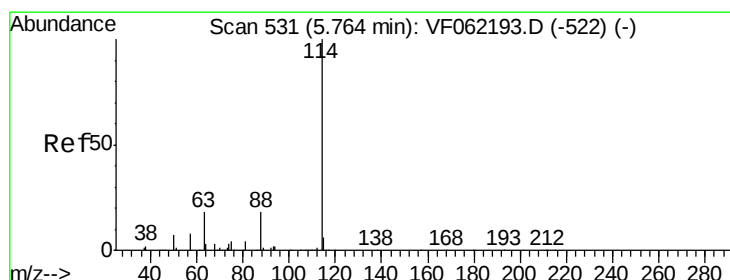
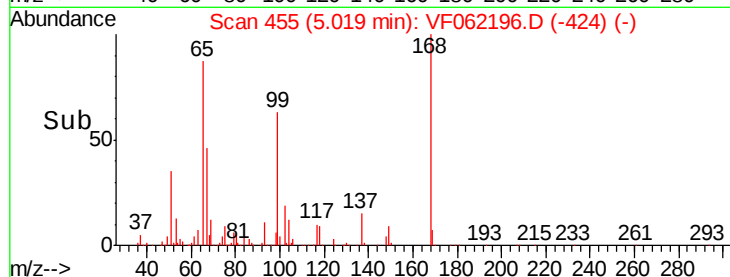
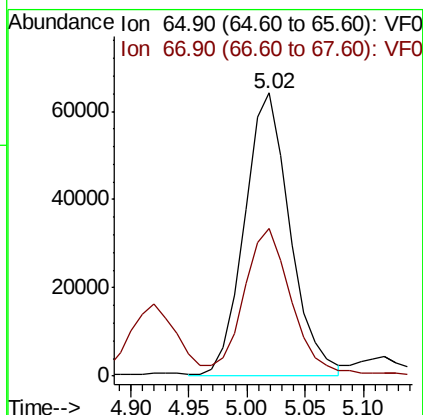
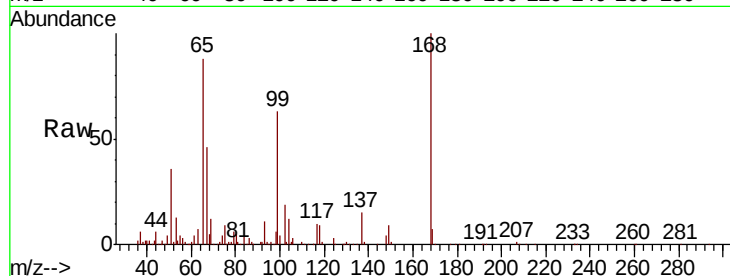




#33
 1,2-Dichloroethane-d4
 Concen: 49.618 ug/l
 RT: 5.02 min Scan# 455
 Delta R.T. 0.00 min
 Lab File: VF062196.D
 Acq: 17 Apr 2019 20:33

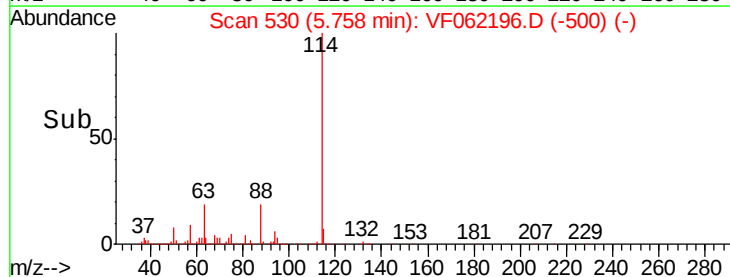
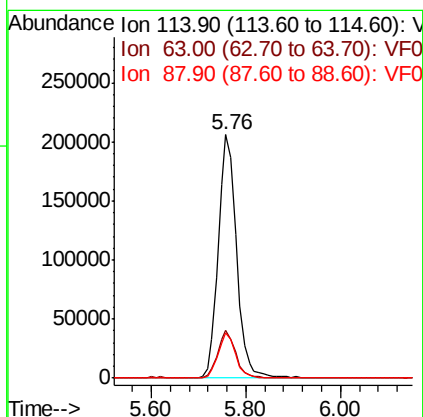
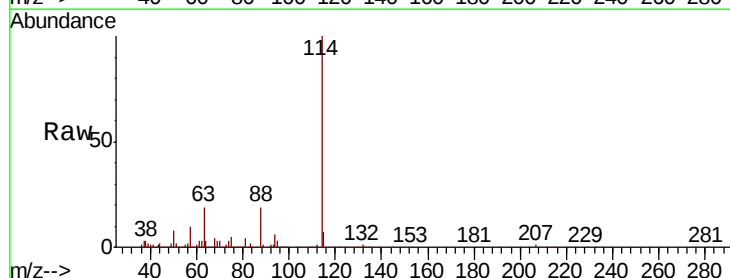
Instrument :
 MSVOA_F
 ClientSampleId :

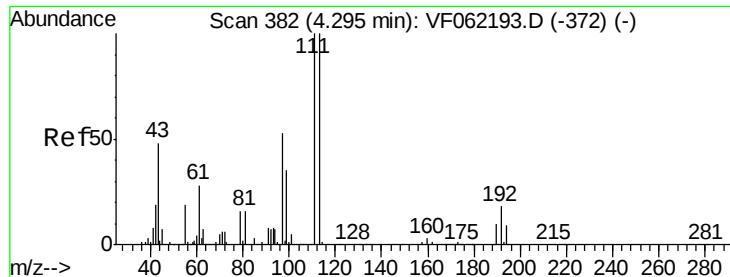
Tot Ion: 65 Resp: 174206
 Ion Ratio Lower Upper
 65 100
 67 53.8 0.0 109.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.76 min Scan# 530
 Delta R.T. -0.01 min
 Lab File: VF062196.D
 Acq: 17 Apr 2019 20:33

Tgt Ion: 114 Resp: 553137
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 36.6
 88 18.5 0.0 35.8

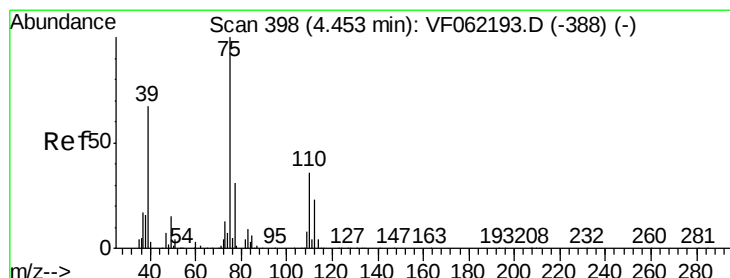
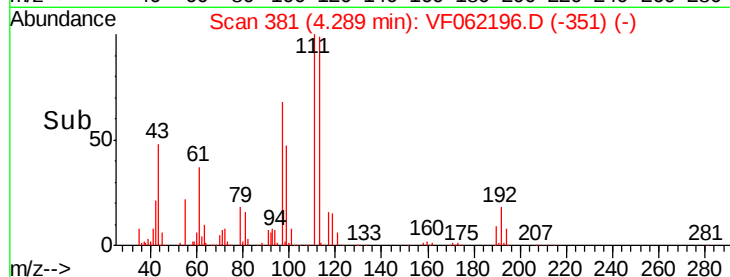
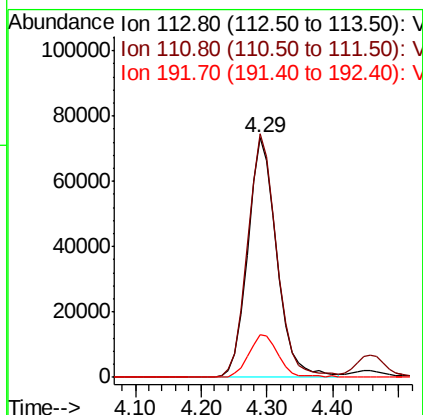
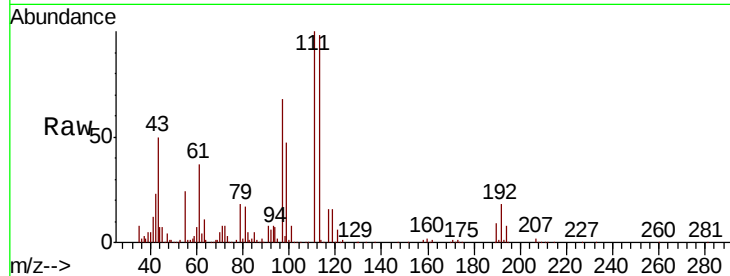




#35
 Dibromofluoromethane
 Concen: 46.828 ug/l
 RT: 4.29 min Scan# 381
 Delta R.T. -0.01 min
 Lab File: VF062196.D
 Acq: 17 Apr 2019 20:33

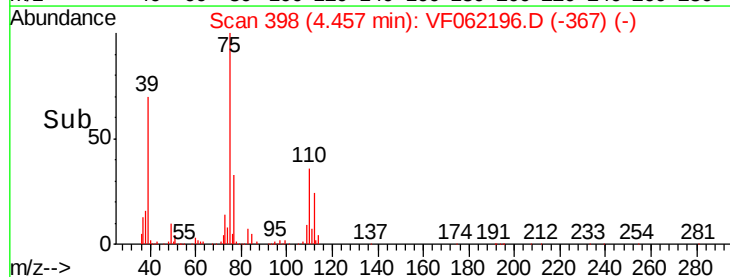
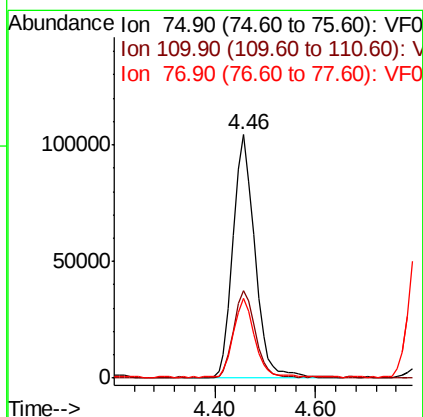
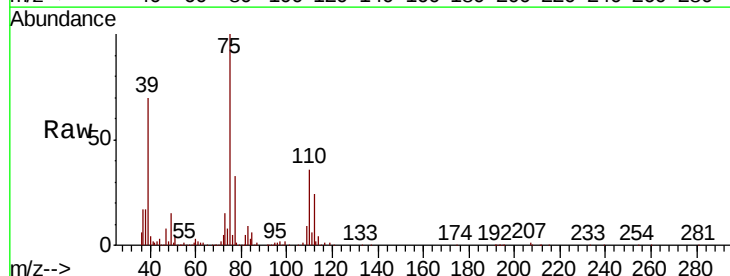
Instrument :
 MSVOA_F
 ClientSampleId :

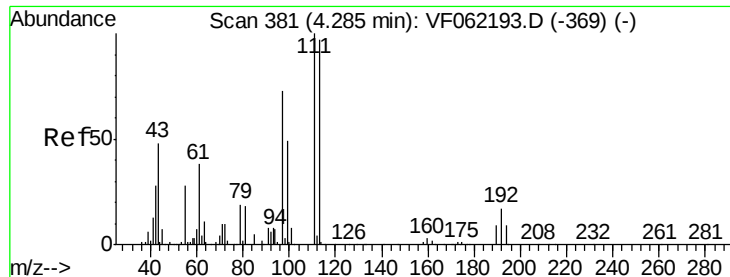
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.9	81.1	121.7
192	18.6	14.7	22.1



#36
 1,1-Dichloropropene
 Concen: 47.281 ug/l
 RT: 4.46 min Scan# 398
 Delta R.T. 0.00 min
 Lab File: VF062196.D
 Acq: 17 Apr 2019 20:33

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.2	18.4	55.2
77	31.5	25.4	38.2

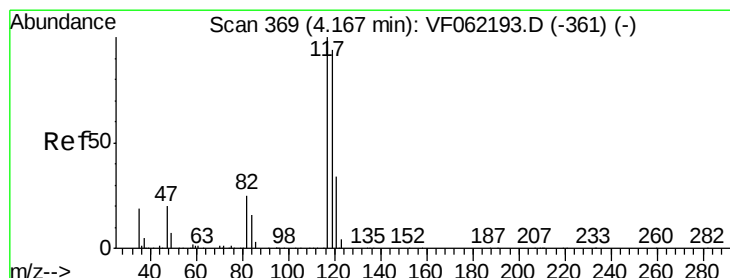
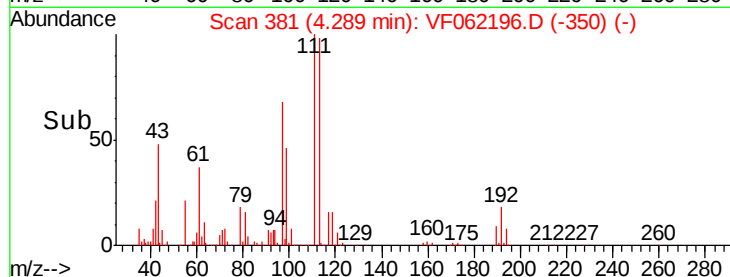
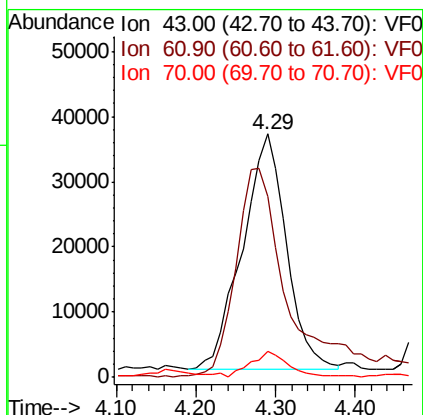
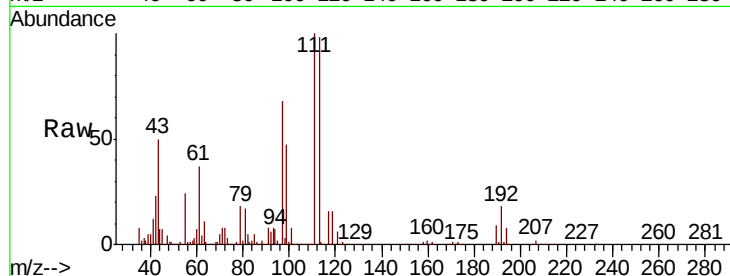




#37
Ethyl Acetate
Concen: 44.180 ug/l
RT: 4.29 min Scan# 381
Delta R.T. 0.00 min
Lab File: VF062196.D
Acq: 17 Apr 2019 20:33

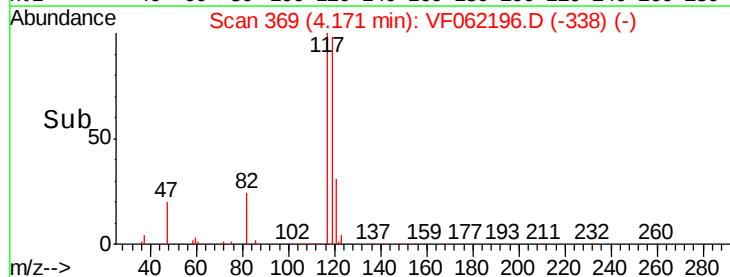
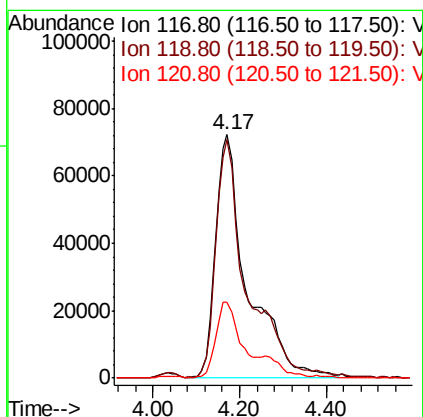
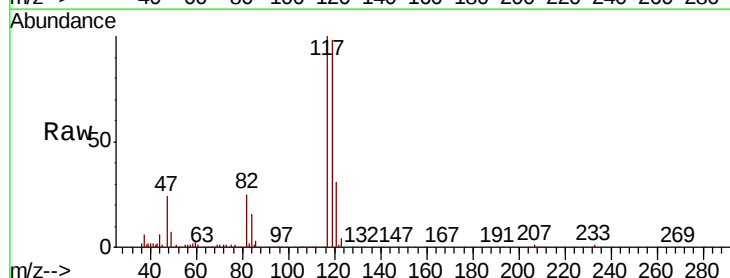
Instrument :
MSVOA_F
ClientSampleId :

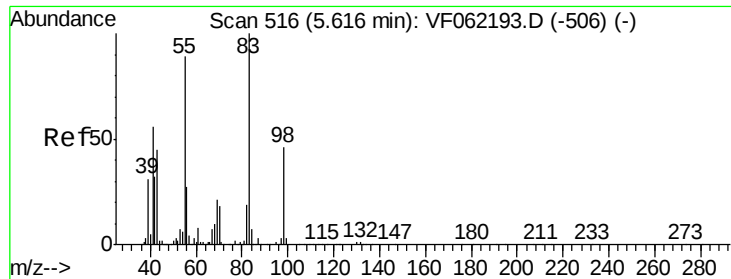
Tot Ion: 43 Resp: 138257
Ion Ratio Lower Upper
43 100
61 106.1 0.0 0.0#
70 9.8 7.8 11.6



#38
Carbon Tetrachloride
Concen: 62.232 ug/l
RT: 4.17 min Scan# 369
Delta R.T. 0.00 min
Lab File: VF062196.D
Acq: 17 Apr 2019 20:33

Tgt Ion: 117 Resp: 365307
Ion Ratio Lower Upper
117 100
119 98.1 75.0 112.4
121 31.0 26.9 40.3

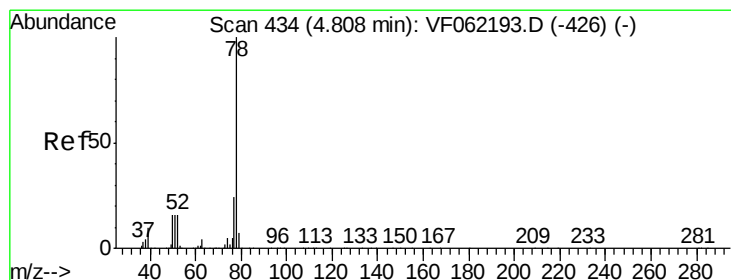
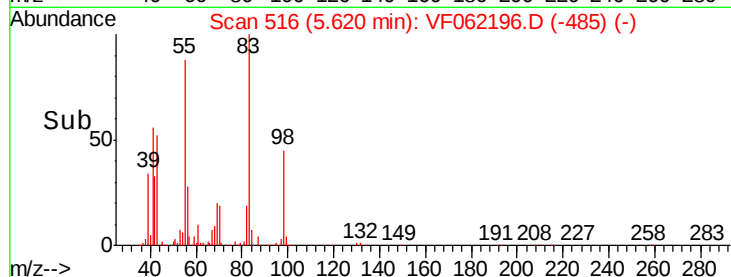
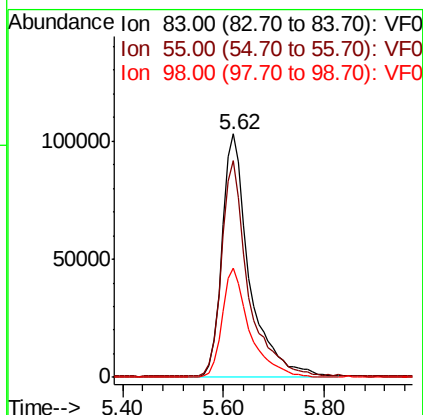
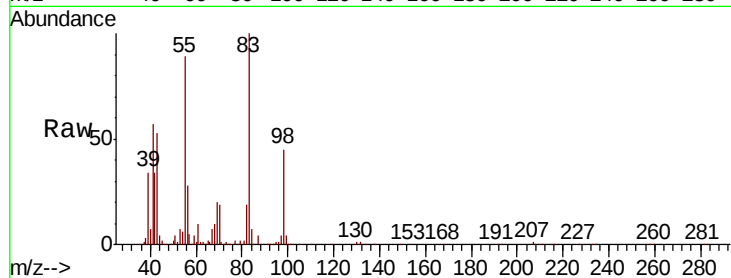




#39
Methvlcvclohexane
Concen: 48.835 ug/l
RT: 5.62 min Scan# 516
Delta R.T. 0.00 min
Lab File: VF062196.D
Acq: 17 Apr 2019 20:33

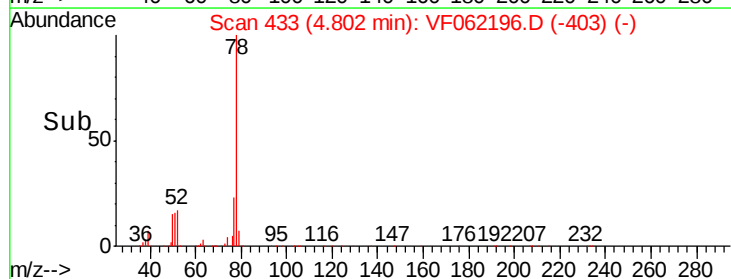
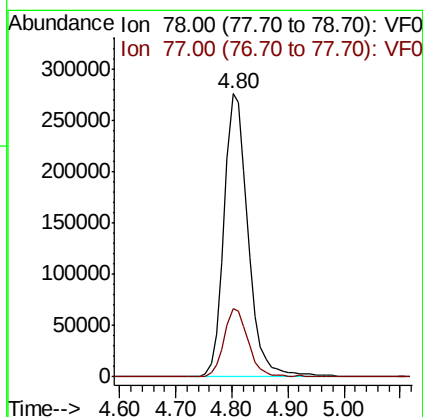
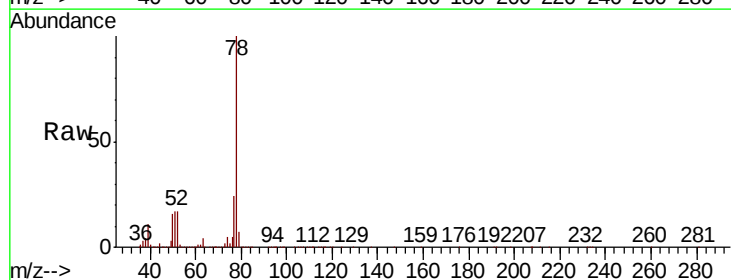
Instrument :
MSVOA_F
ClientSampleId :

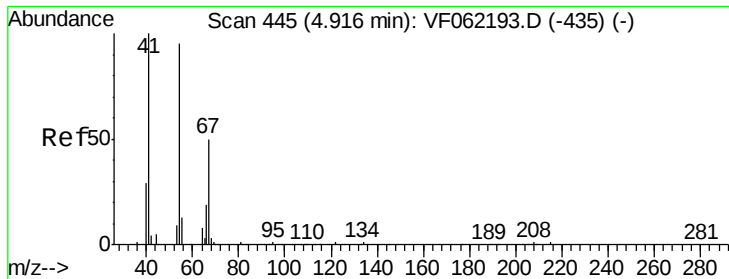
Tot Ion: 83 Resp: 387767
Ion Ratio Lower Upper
83 100
55 88.4 71.0 106.6
98 45.1 36.7 55.1



#40
Benzene
Concen: 47.241 ug/l
RT: 4.80 min Scan# 433
Delta R.T. -0.01 min
Lab File: VF062196.D
Acq: 17 Apr 2019 20:33

Tgt Ion: 78 Resp: 821754
Ion Ratio Lower Upper
78 100
77 23.9 18.9 28.3

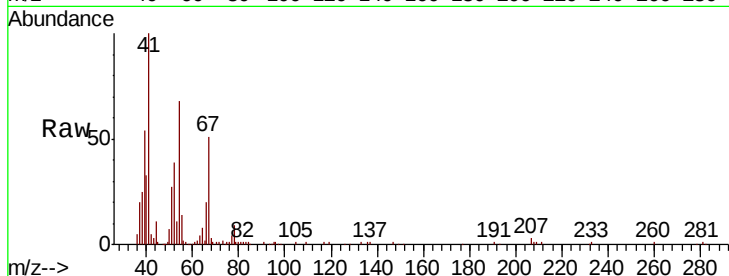




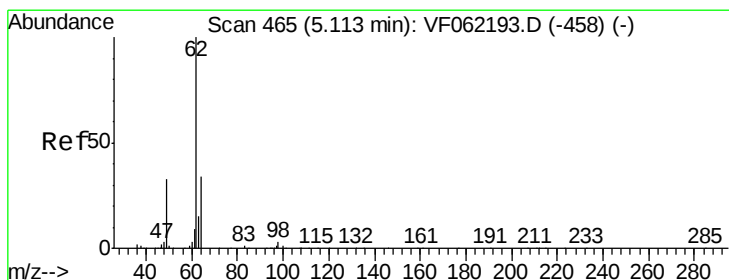
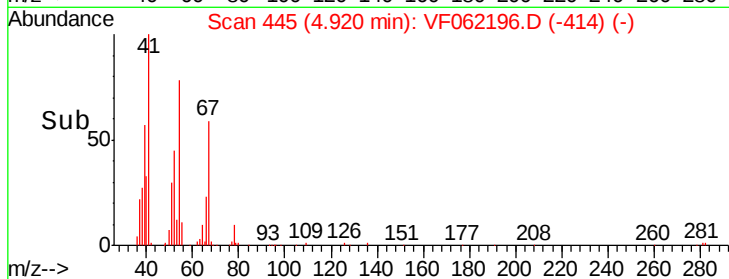
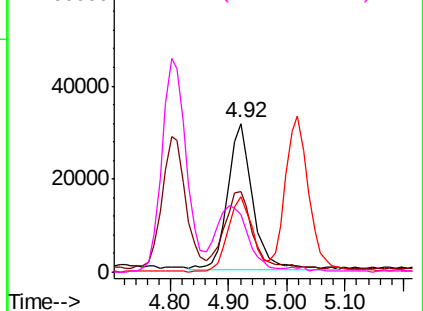
#41
Methacrylonitrile
Concen: 51.423 ug/l
RT: 4.92 min Scan# 445
Delta R.T. 0.00 min
Lab File: VF062196.D
Acq: 17 Apr 2019 20:33

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	41	Resp:	92825
Ion	Ratio	Lower	Upper
41	100		
39	59.2	44.7	67.1
67	51.2	39.1	58.7
52	53.0	49.8	74.8

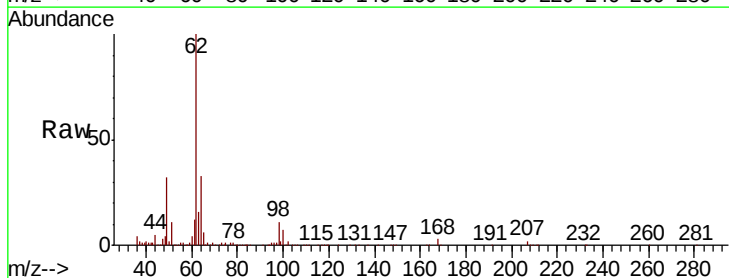


Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 39.00 (38.70 to 39.70): VF0
Ion 67.00 (66.70 to 67.70): VF0
Ion 52.00 (51.70 to 52.70): VF0

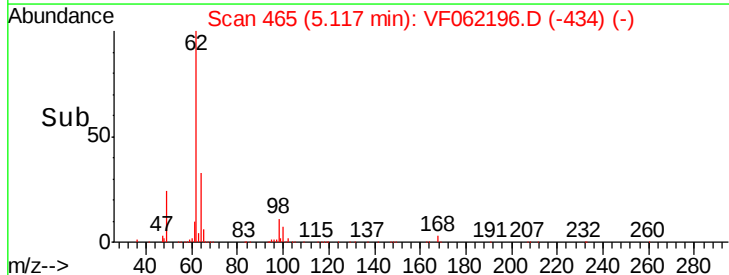
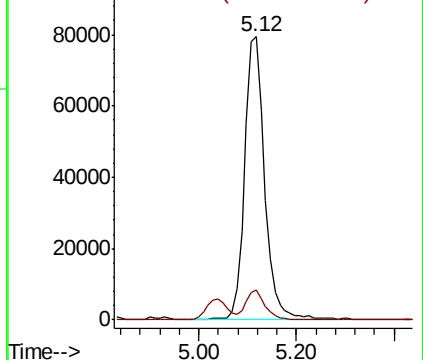


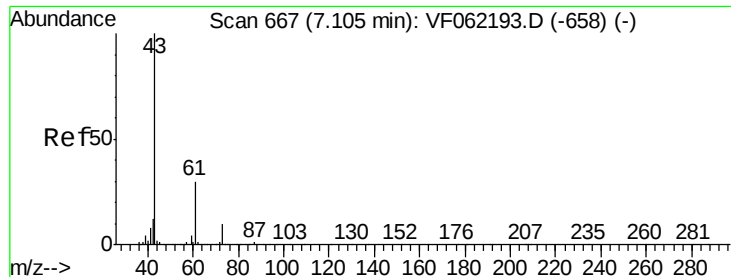
#42
1,2-Dichloroethane
Concen: 49.412 ug/l
RT: 5.12 min Scan# 465
Delta R.T. 0.00 min
Lab File: VF062196.D
Acq: 17 Apr 2019 20:33

Tgt Ion:	62	Resp:	227224
Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	19.0



Abundance Ion 61.90 (61.60 to 62.60): VF0
Ion 97.90 (97.60 to 98.60): VF0



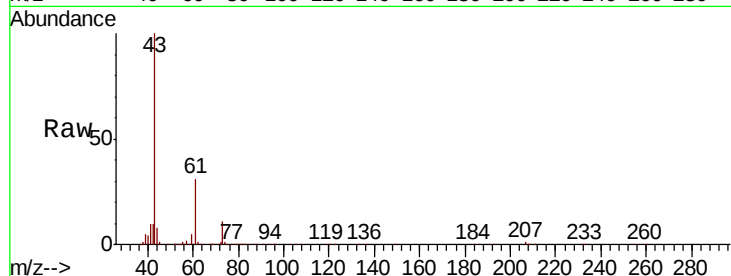


#43

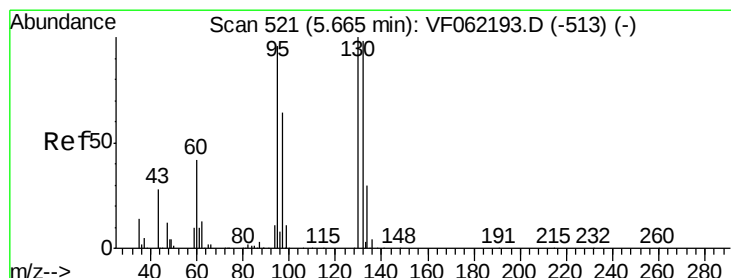
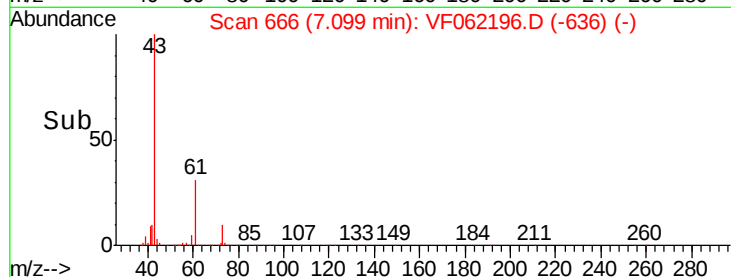
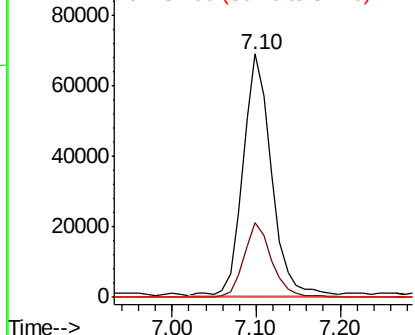
Isopropyl Acetate
 Concen: 48.996 ug/l
 RT: 7.10 min Scan# 666
 Delta R.T. -0.01 min
 Lab File: VF062196.D
 Acq: 17 Apr 2019 20:33

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
43	100		
61	30.4	24.4	36.6
87	0.5	0.4	0.6



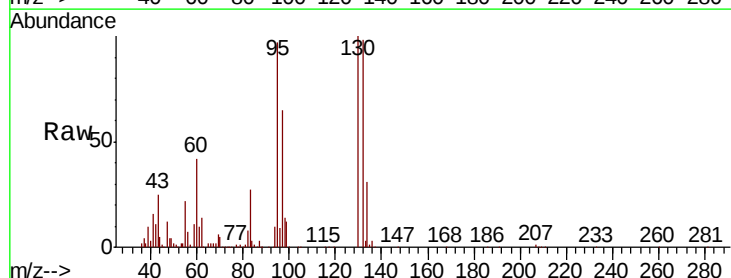
Abundance Ion 43.00 (42.70 to 43.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 87.00 (86.70 to 87.70): VF0



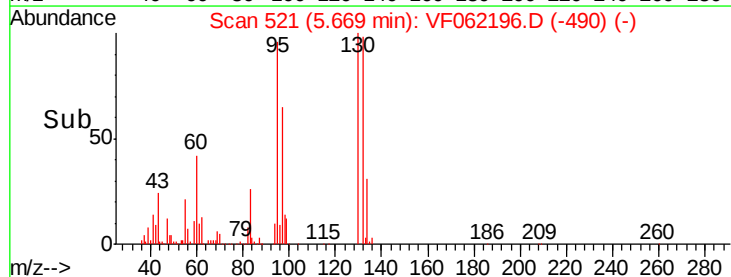
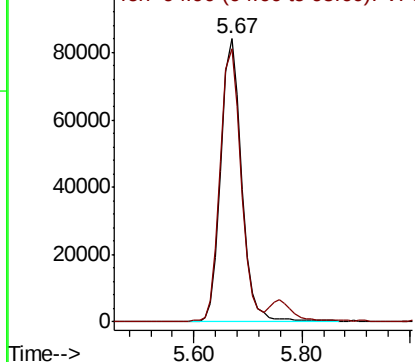
#44

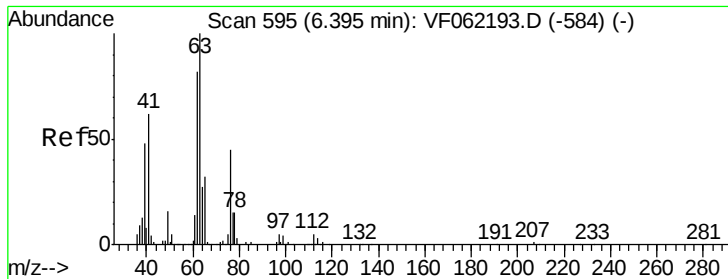
Trichloroethene
 Concen: 47.712 ug/l
 RT: 5.67 min Scan# 521
 Delta R.T. 0.00 min
 Lab File: VF062196.D
 Acq: 17 Apr 2019 20:33

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.2	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: 49.722 ug/l

RT: 6.39 min Scan# 594

Delta R.T. -0.01 min

Lab File: VF062196.D

Acq: 17 Apr 2019 20:33

Instrument :

MSVOA_F

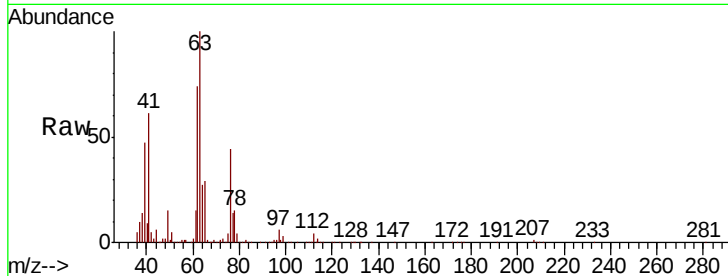
ClientSampleId :

Tot Ion: 63 Resp: 190517

Ion Ratio Lower Upper

63 100

65 29.0 25.9 38.9



Abundance Ion 62.90 (62.60 to 63.60): VF0

Ion 64.90 (64.60 to 65.60): VF0

6.39

80000

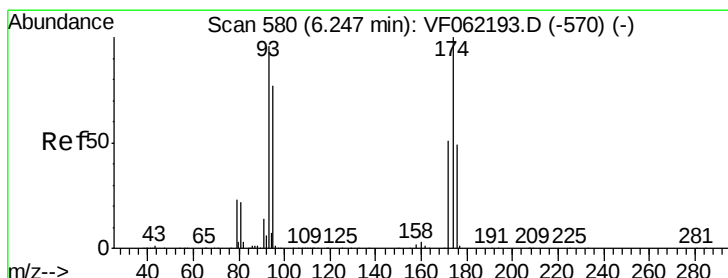
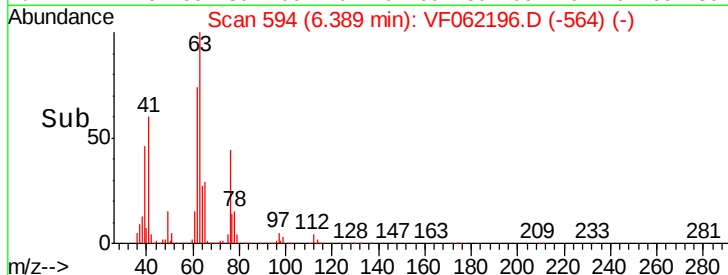
60000

40000

20000

0

Time--> 6.20 6.30 6.40 6.50



#46

Dibromomethane

Concen: 49.738 ug/l

RT: 6.25 min Scan# 580

Delta R.T. 0.00 min

Lab File: VF062196.D

Acq: 17 Apr 2019 20:33

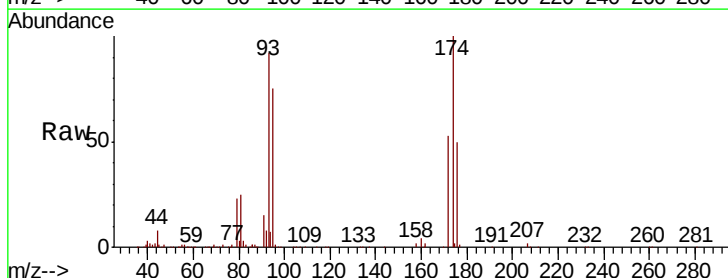
Tgt Ion: 93 Resp: 126797

Ion Ratio Lower Upper

93 100

95 80.7 65.1 97.7

174 104.3 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

6.25

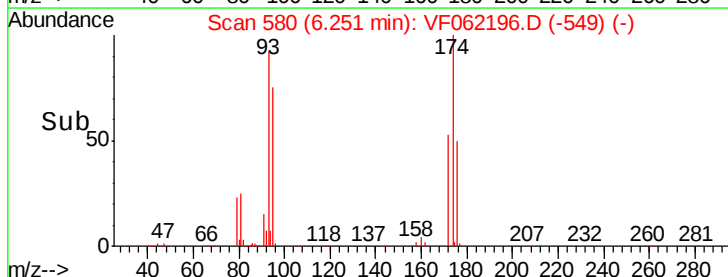
60000

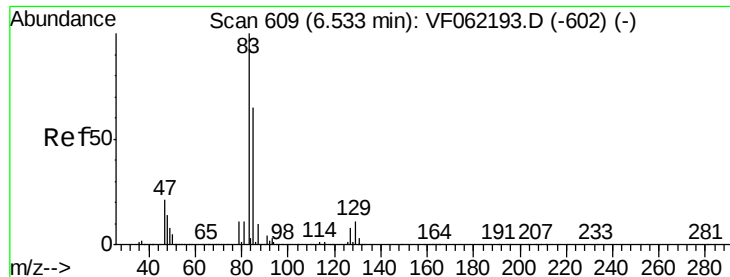
40000

20000

0

Time--> 6.10 6.20 6.30 6.40





#47

Bromodichloromethane

Concen: 49.811 ug/l

RT: 6.54 min Scan# 609

Delta R.T. 0.00 min

Lab File: VF062196.D

Acq: 17 Apr 2019 20:33

Instrument :
MSVOA_F
ClientSampled :

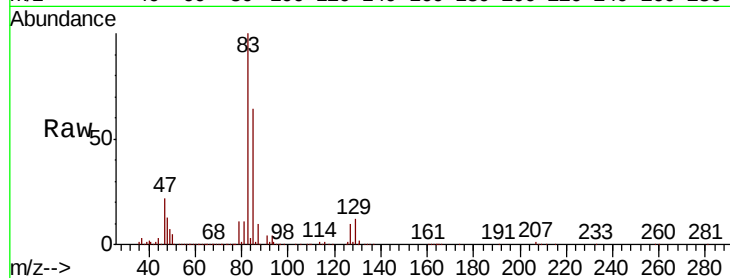
Tot Ion: 83 Resp: 286552

Ion Ratio Lower Upper

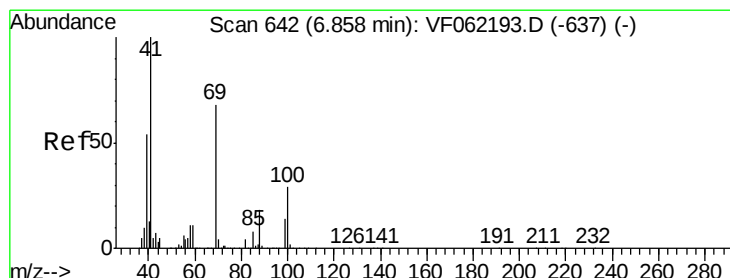
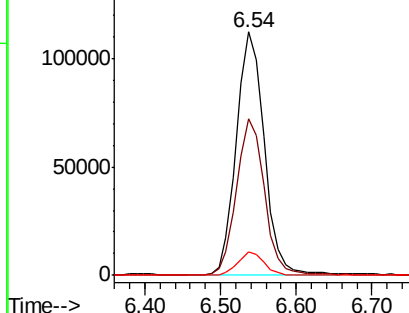
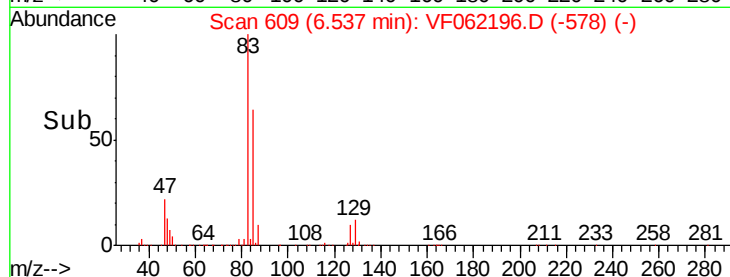
83 100

85 64.2 52.2 78.4

127 9.8 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: 46.284 ug/l

RT: 6.86 min Scan# 642

Delta R.T. 0.00 min

Lab File: VF062196.D

Acq: 17 Apr 2019 20:33

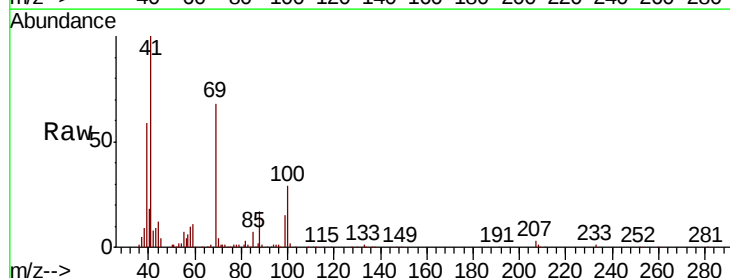
Tgt Ion: 41 Resp: 100114

Ion Ratio Lower Upper

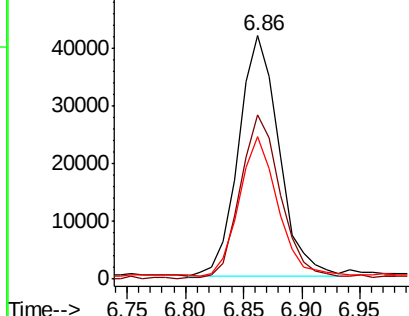
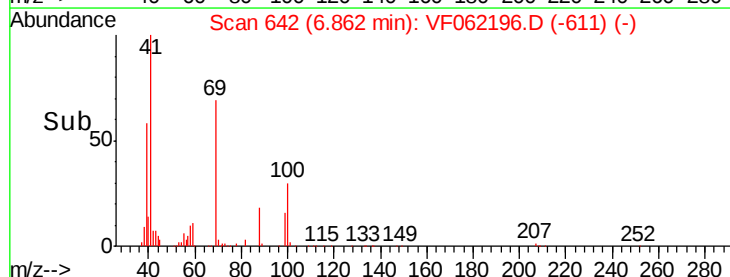
41 100

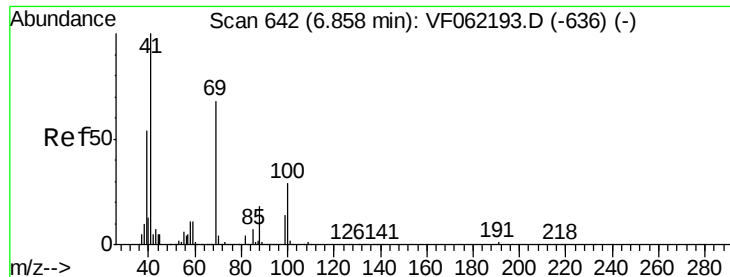
69 67.4 54.9 82.3

39 54.9 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

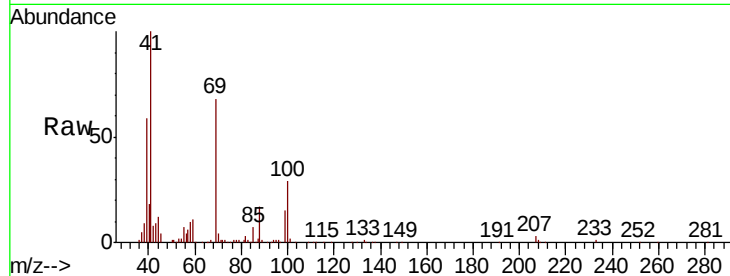




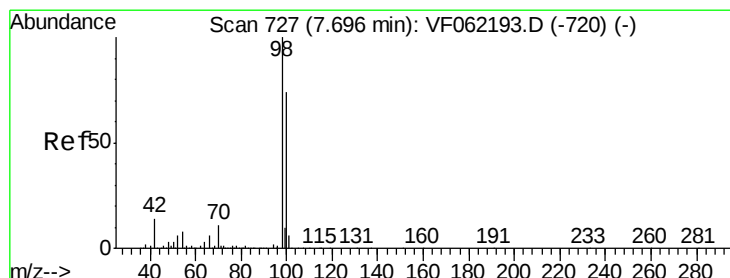
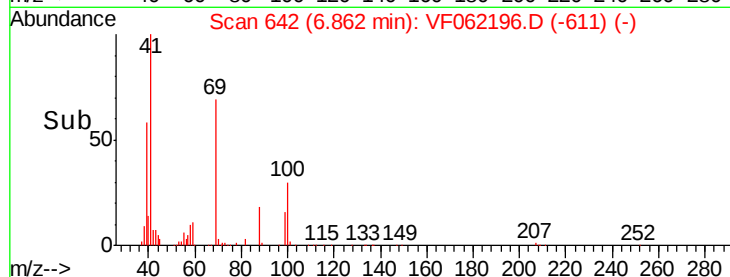
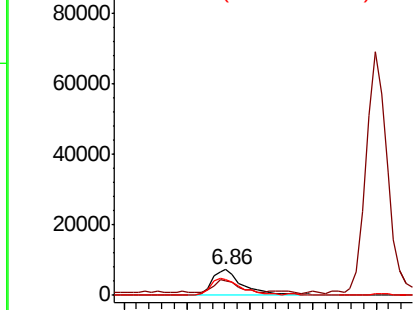
#49
1,4-Dioxane
Concen: 1015.689 ug/l
RT: 6.86 min Scan# 642
Delta R.T. 0.00 min
Lab File: VF062196.D
Acq: 17 Apr 2019 20:33

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 88 Resp: 25196
Ion Ratio Lower Upper
88 100
43 34.3 36.9 55.3#
58 65.3 56.8 85.2

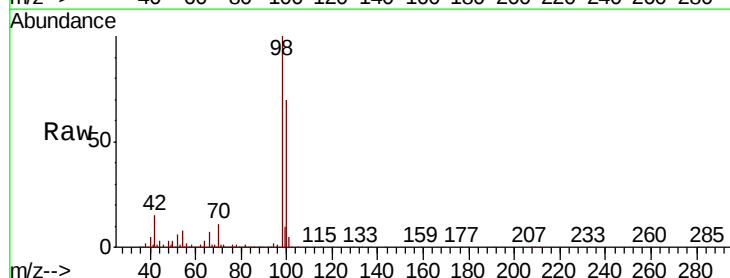


Abundance Ion 88.00 (87.70 to 88.70): VF0
Ion 43.00 (42.70 to 43.70): VF0
Ion 58.00 (57.70 to 58.70): VF0

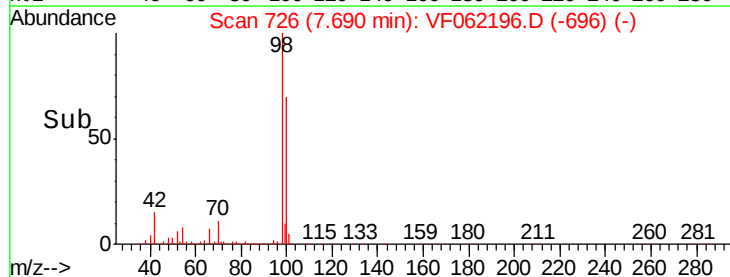
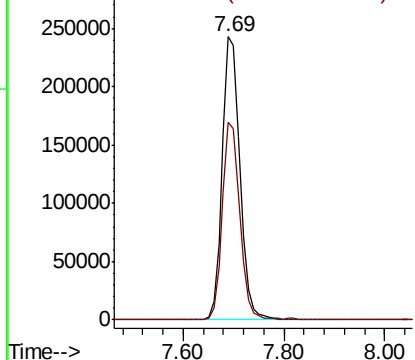


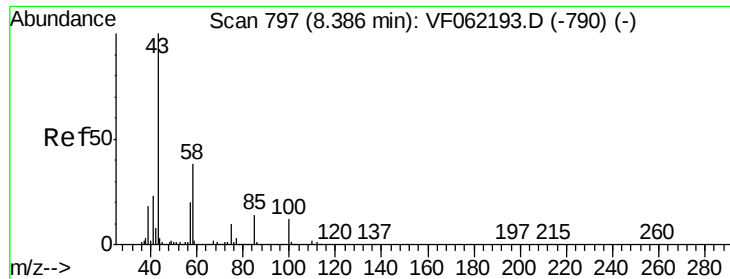
#50
Toluene-d8
Concen: 48.758 ug/l
RT: 7.69 min Scan# 726
Delta R.T. -0.01 min
Lab File: VF062196.D
Acq: 17 Apr 2019 20:33

Tgt Ion: 98 Resp: 597180
Ion Ratio Lower Upper
98 100
100 68.7 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: 243.891 ug/l

RT: 8.39 min Scan# 797

Delta R.T. 0.00 min

Lab File: VF062196.D

Acq: 17 Apr 2019 20:33

Instrument :

MSVOA_F

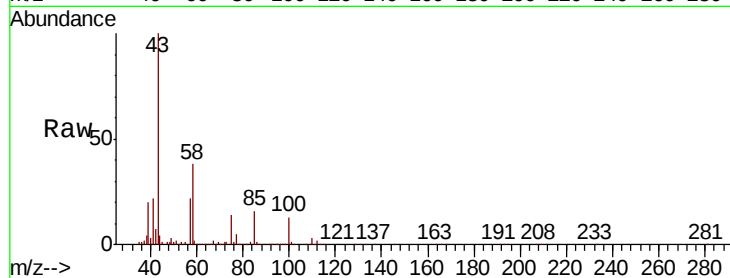
ClientSampleId :

Tot Ion: 43 Resp: 597063

Ion Ratio Lower Upper

43 100

58 37.2 29.3 43.9



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.39

250000

200000

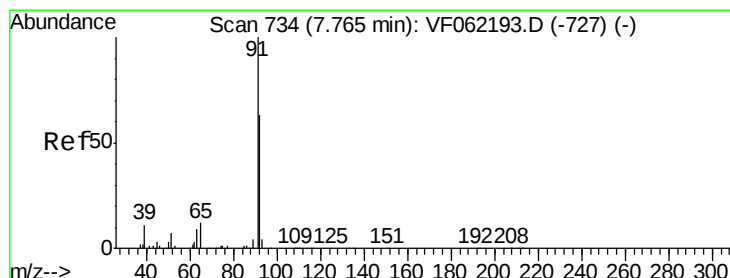
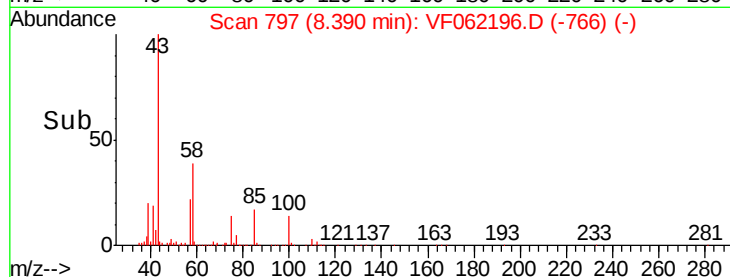
150000

100000

50000

0

Time--> 8.20 8.30 8.40 8.50 8.60



#52

Toluene

Concen: 47.559 ug/l

RT: 7.77 min Scan# 734

Delta R.T. 0.00 min

Lab File: VF062196.D

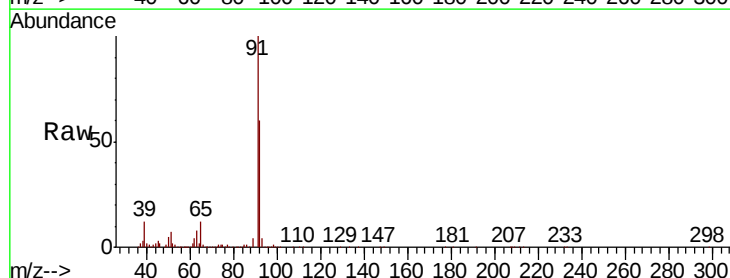
Acq: 17 Apr 2019 20:33

Tgt Ion: 92 Resp: 436086

Ion Ratio Lower Upper

92 100

91 166.8 130.1 195.1



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.77

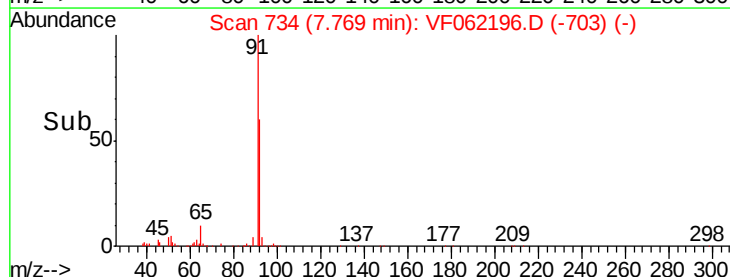
300000

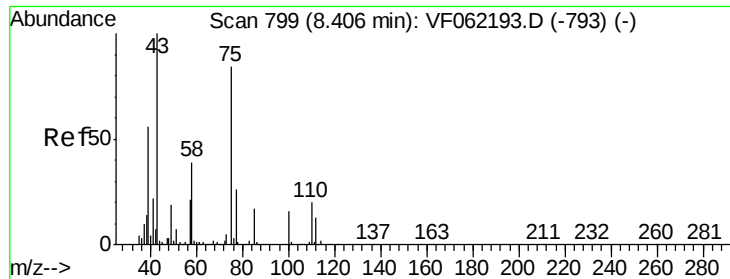
200000

100000

0

Time--> 7.60 7.70 7.80 7.90

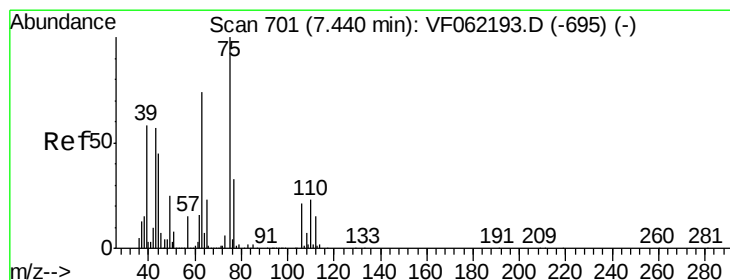
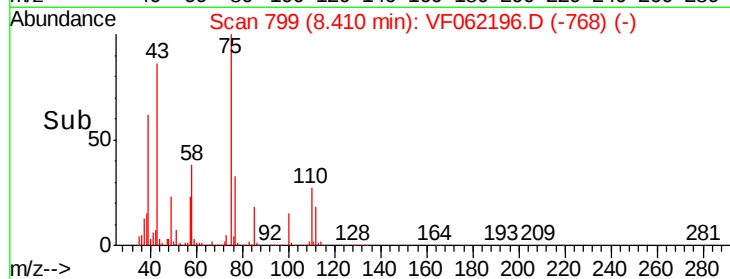
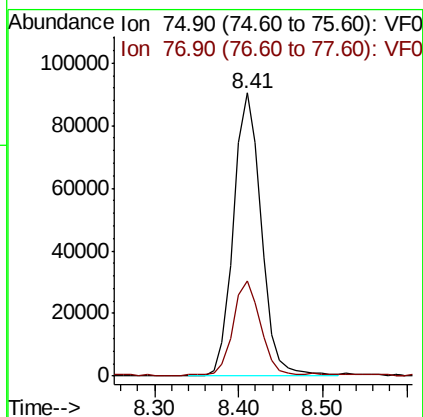
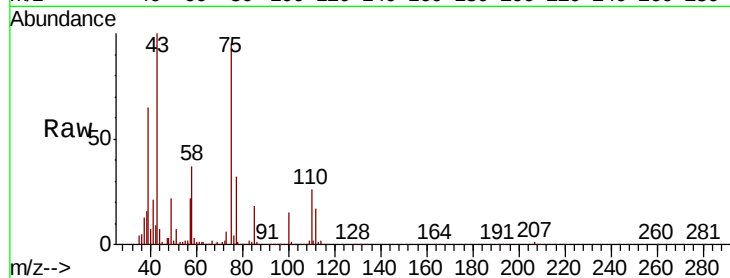




#53
 t-1,3-Dichloropropene
 Concen: 47.920 ug/l
 RT: 8.41 min Scan# 799
 Delta R.T. 0.00 min
 Lab File: VF062196.D
 Acq: 17 Apr 2019 20:33

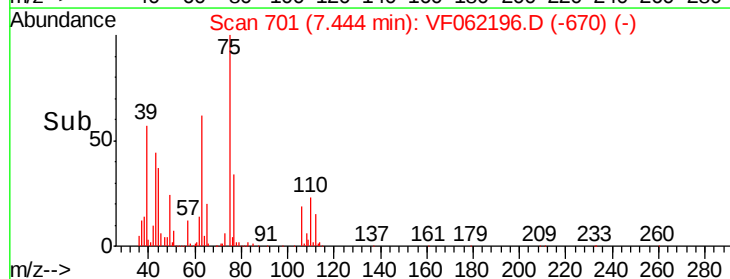
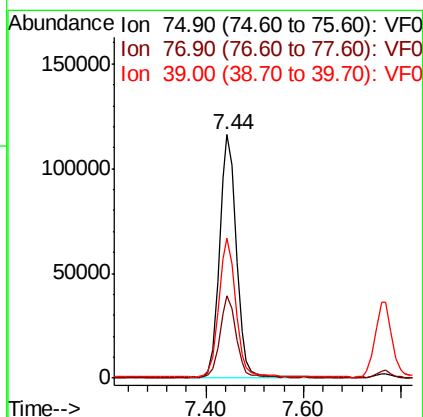
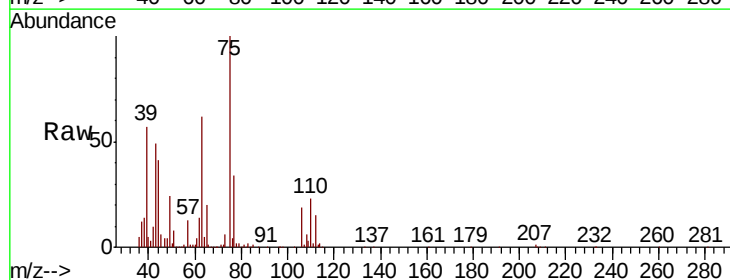
Instrument :
 MSVOA_F
 ClientSampleId :

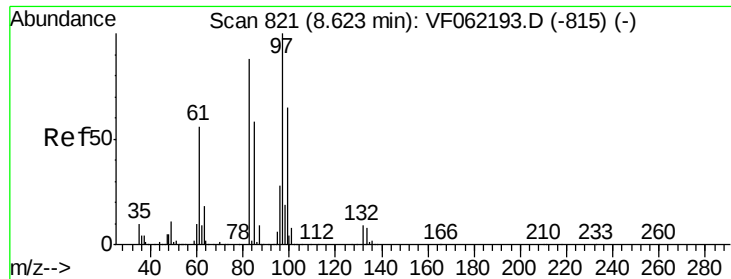
Tot Ion: 75 Resp: 207056
 Ion Ratio Lower Upper
 75 100
 77 33.2 24.6 36.8



#54
 cis-1,3-Dichloropropene
 Concen: 48.165 ug/l
 RT: 7.44 min Scan# 701
 Delta R.T. 0.00 min
 Lab File: VF062196.D
 Acq: 17 Apr 2019 20:33

Tgt Ion: 75 Resp: 281506
 Ion Ratio Lower Upper
 75 100
 77 33.6 26.4 39.6
 39 56.8 46.7 70.1

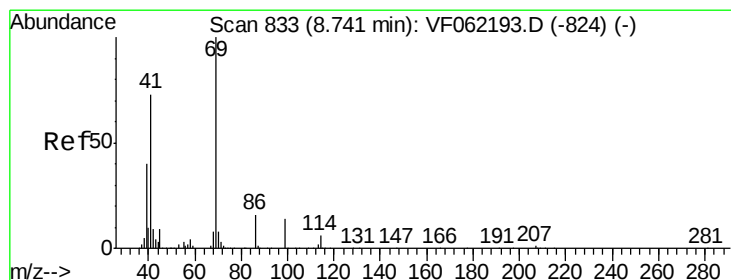
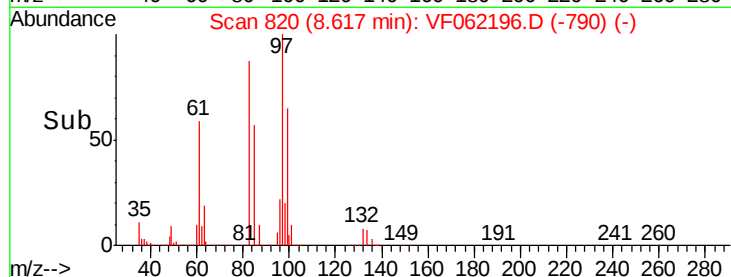
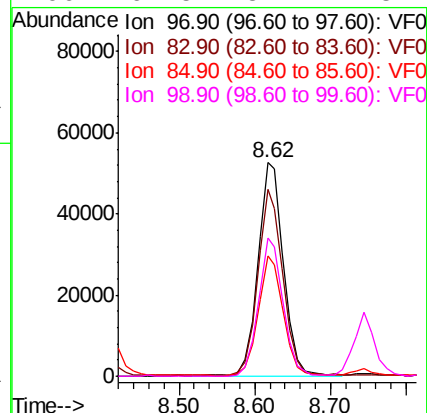
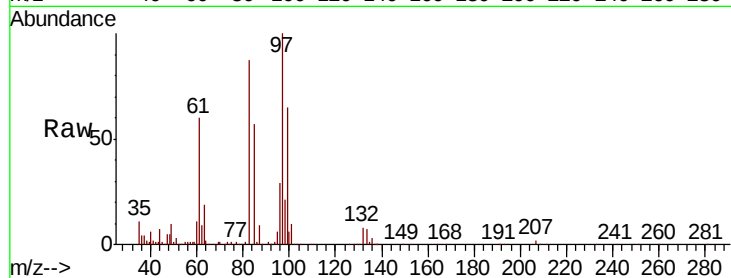




#55
 1,1,2-Trichloroethane
 Concen: 48.339 ug/l
 RT: 8.62 min Scan# 820
 Delta R.T. -0.01 min
 Lab File: VF062196.D
 Acq: 17 Apr 2019 20:33

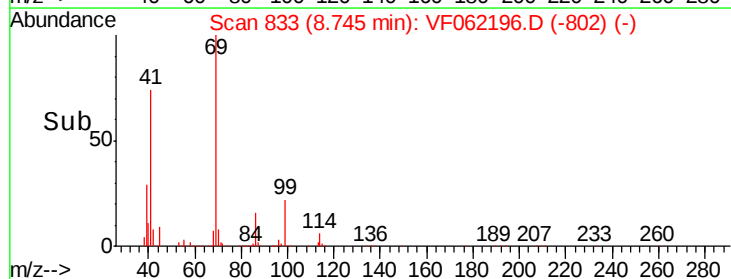
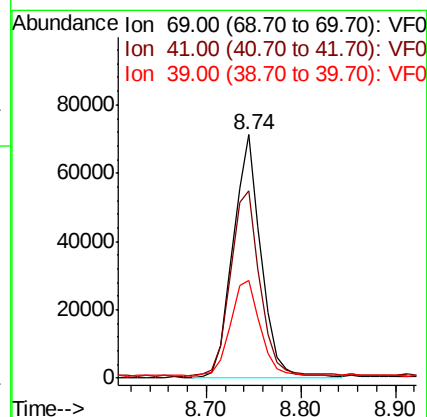
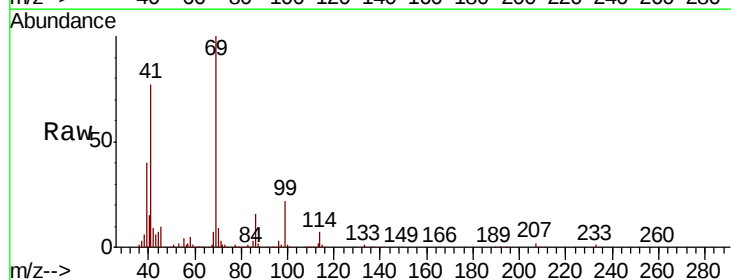
Instrument :
 MSVOA_F
 ClientSampleId :

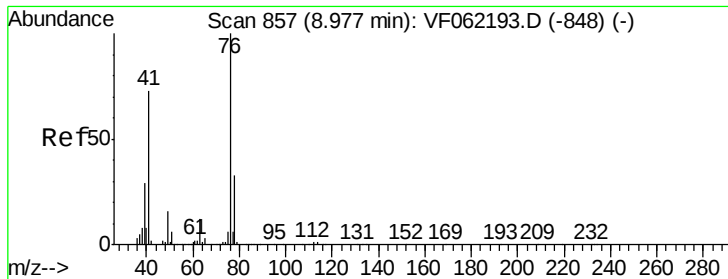
Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	86.7	70.2	105.2	
85	56.2	46.2	69.4	
99	64.5	52.2	78.4	



#56
 Ethyl methacrylate
 Concen: 49.199 ug/l
 RT: 8.74 min Scan# 833
 Delta R.T. 0.00 min
 Lab File: VF062196.D
 Acq: 17 Apr 2019 20:33

Tgt Ion	Ion	Ratio	Lower	Upper
69	100			
41	82.5	61.5	92.3	
39	42.1	33.3	49.9	





#57

1,3-Dichloropropane

Concen: 47.041 ug/l

RT: 8.98 min Scan# 857

Delta R.T. 0.00 min

Lab File: VF062196.D

Acq: 17 Apr 2019 20:33

Instrument :

MSVOA_F

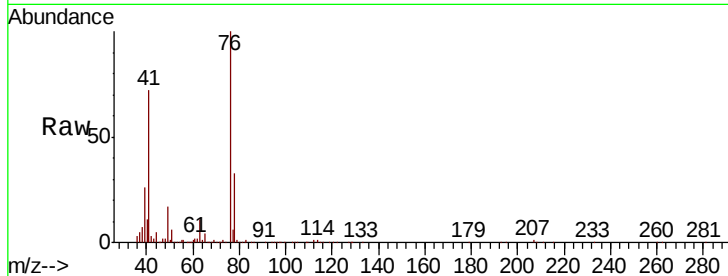
ClientSampleId :

Tot Ion: 76 Resp: 195121

Ion Ratio Lower Upper

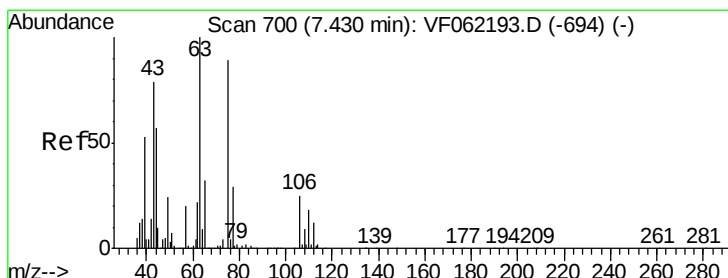
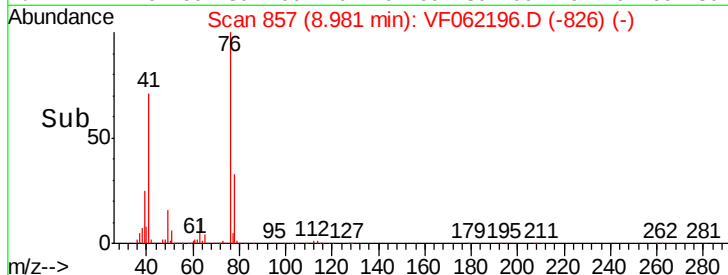
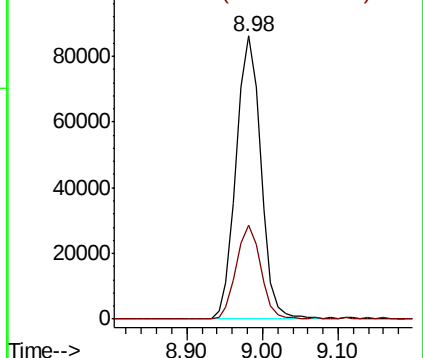
76 100

78 32.6 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: 232.997 ug/l

RT: 7.43 min Scan# 700

Delta R.T. 0.00 min

Lab File: VF062196.D

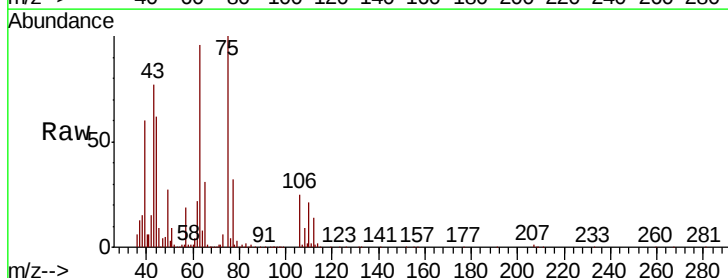
Acq: 17 Apr 2019 20:33

Tgt Ion: 63 Resp: 197561

Ion Ratio Lower Upper

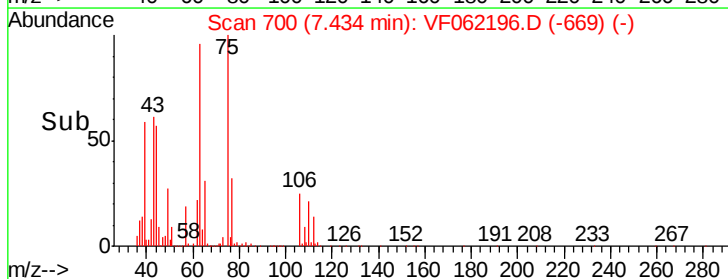
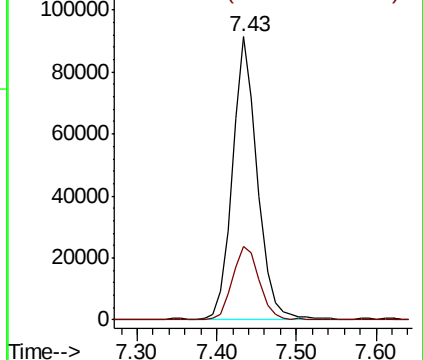
63 100

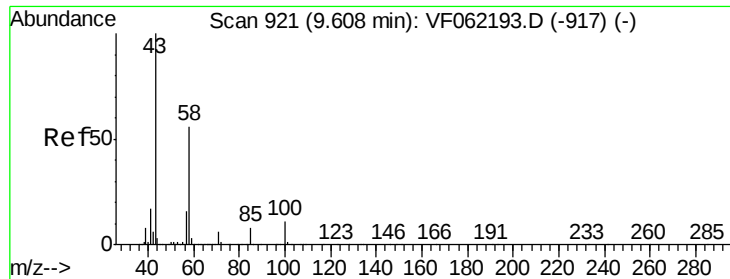
106 28.2 21.4 32.0



Abundance Ion 62.90 (62.60 to 63.60): VF0

Ion 105.90 (105.60 to 106.60): V

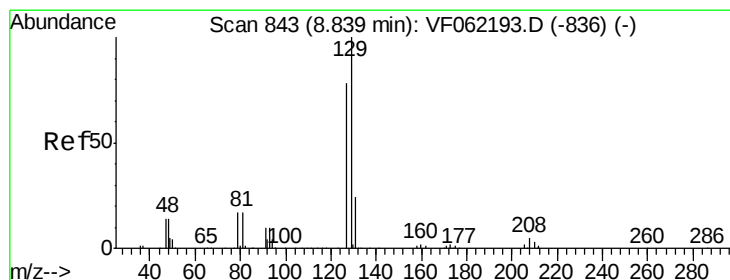
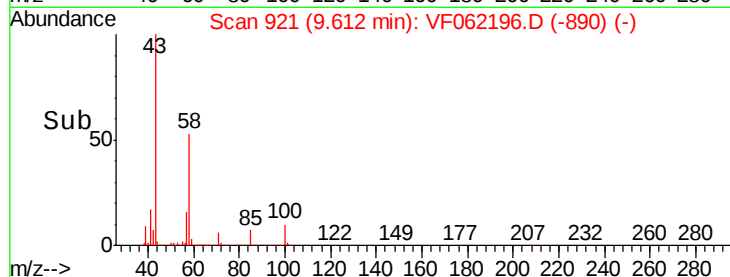
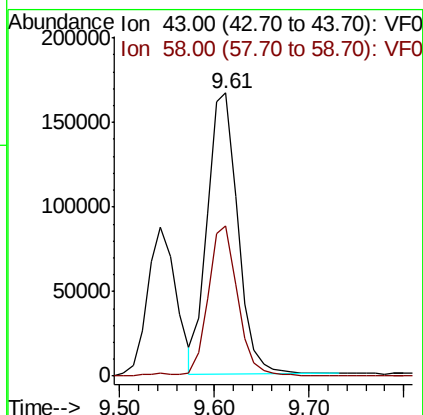
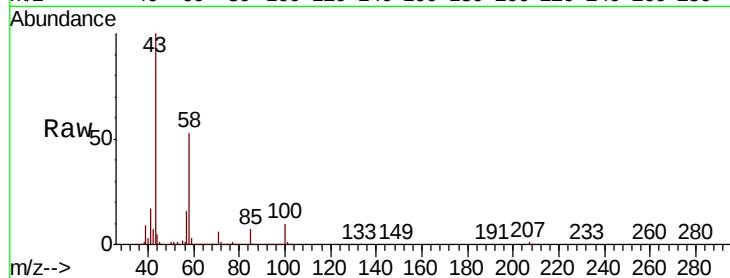




#59
2-Hexanone
Concen: 243.653 ug/l
RT: 9.61 min Scan# 921
Delta R.T. 0.00 min
Lab File: VF062196.D
Acq: 17 Apr 2019 20:33

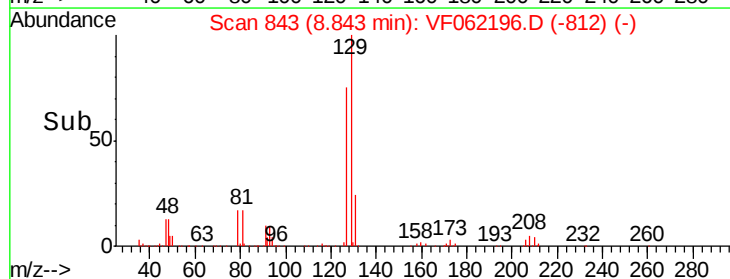
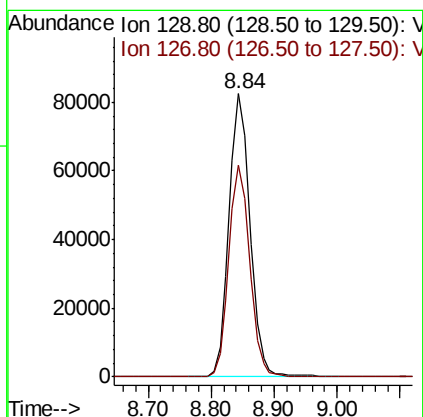
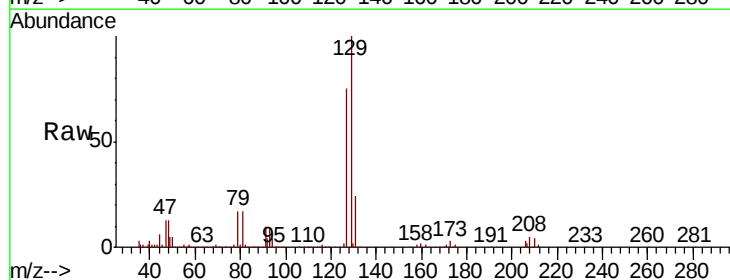
Instrument :
MSVOA_F
ClientSampleId :

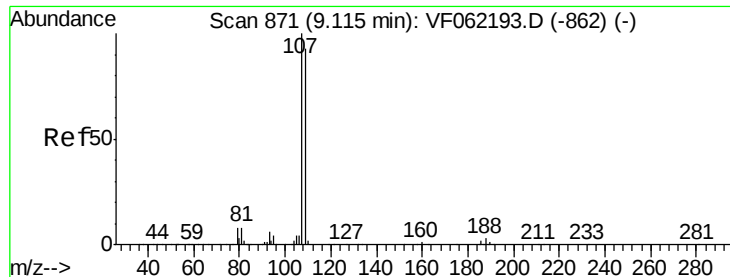
Tot Ion: 43 Resp: 371960
Ion Ratio Lower Upper
43 100
58 51.6 24.6 74.0



#60
Dibromochloromethane
Concen: 49.848 ug/l
RT: 8.84 min Scan# 843
Delta R.T. 0.00 min
Lab File: VF062196.D
Acq: 17 Apr 2019 20:33

Tgt Ion: 129 Resp: 190425
Ion Ratio Lower Upper
129 100
127 74.5 39.0 117.0





#61

1,2-Dibromoethane

Concen: 48.275 ug/l

RT: 9.12 min Scan# 871

Delta R.T. 0.00 min

Lab File: VF062196.D

Acq: 17 Apr 2019 20:33

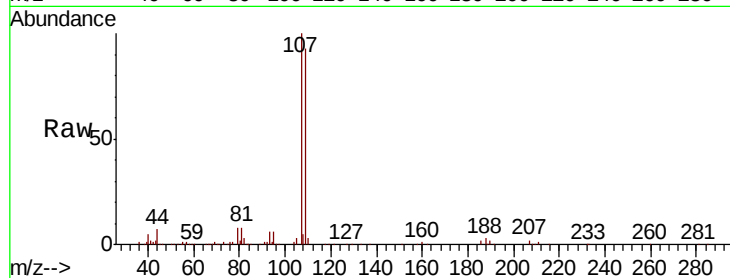
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:107 Resp: 139705

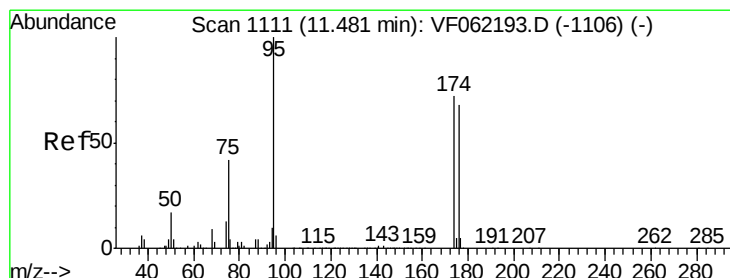
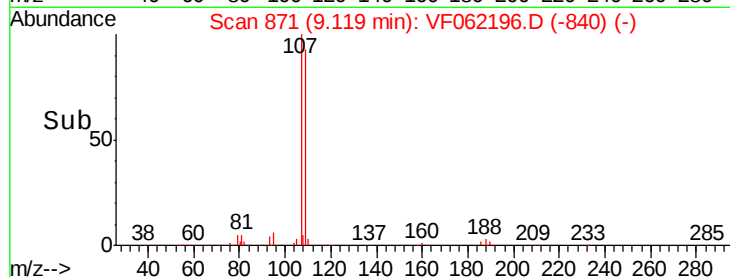
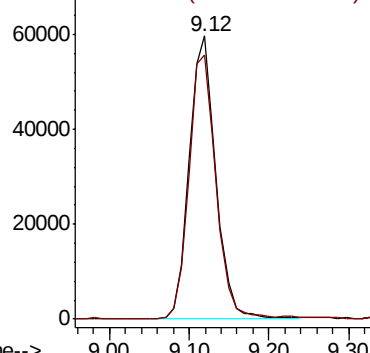
Ion Ratio Lower Upper

107 100

109 95.1 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: 46.774 ug/l

RT: 11.49 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VF062196.D

Acq: 17 Apr 2019 20:33

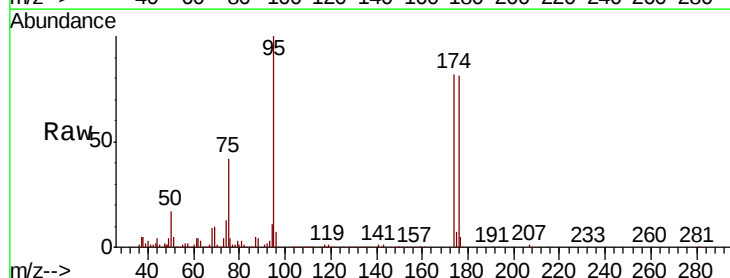
Tgt Ion: 95 Resp: 220384

Ion Ratio Lower Upper

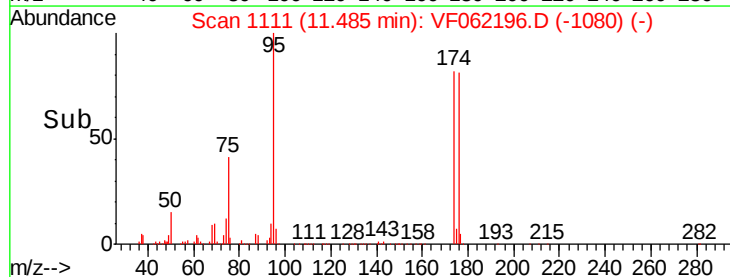
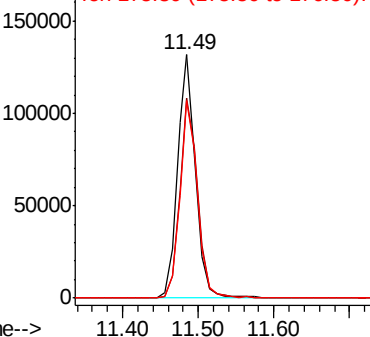
95 100

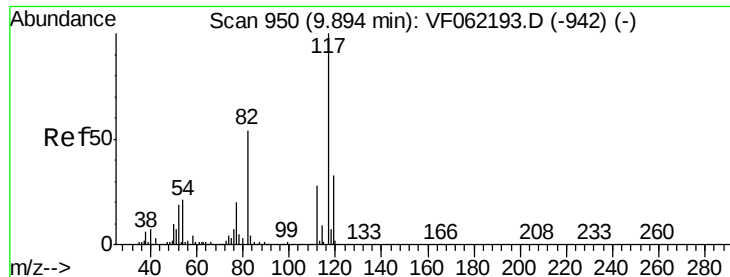
174 81.3 0.0 159.4

176 79.4 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

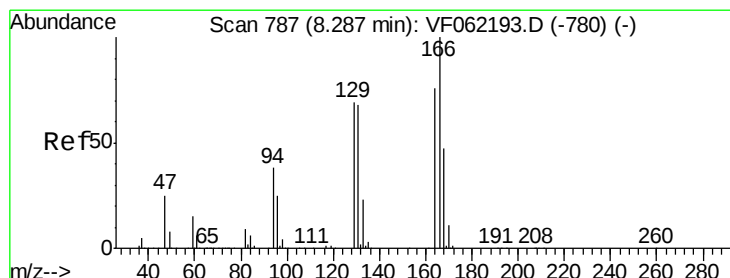
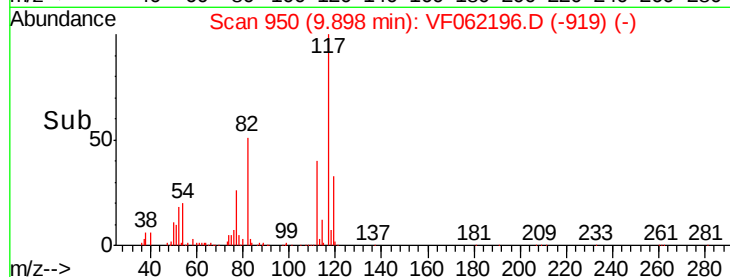
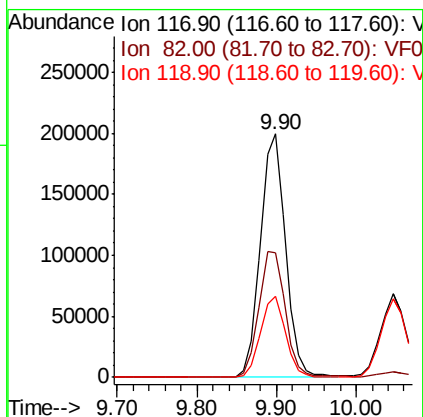
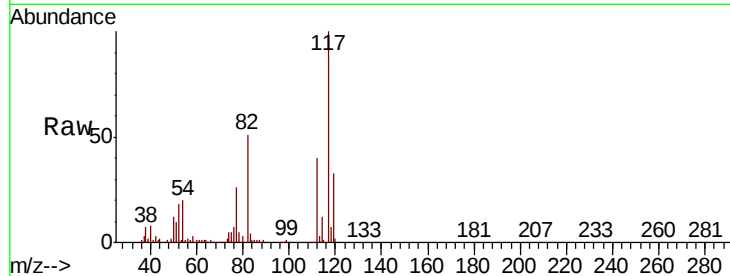




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.90 min Scan# 950
Delta R.T. 0.00 min
Lab File: VF062196.D
Acq: 17 Apr 2019 20:33

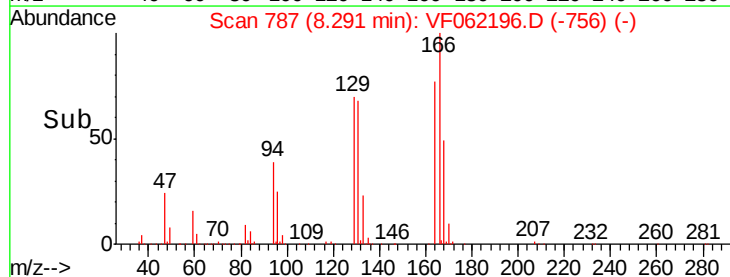
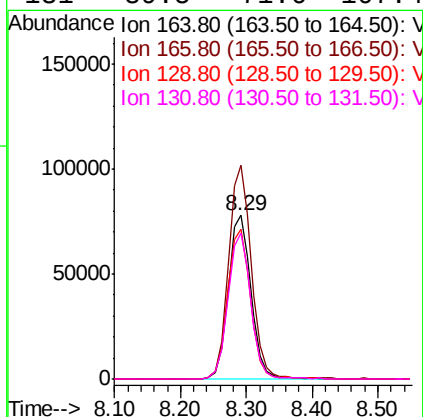
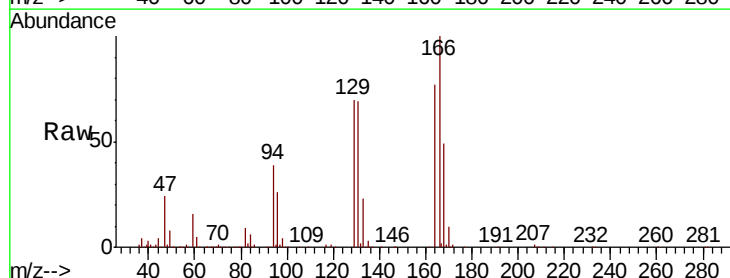
Instrument :
MSVOA_F
ClientSampled :

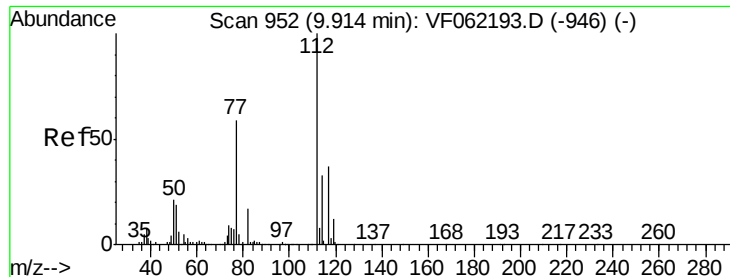
Tot Ion:117 Resp: 435385
Ion Ratio Lower Upper
117 100
82 51.4 43.2 64.8
119 33.5 26.2 39.4



#64
Tetrachloroethene
Concen: 47.908 ug/l
RT: 8.29 min Scan# 787
Delta R.T. 0.00 min
Lab File: VF062196.D
Acq: 17 Apr 2019 20:33

Tgt Ion:164 Resp: 188293
Ion Ratio Lower Upper
164 100
166 130.6 104.7 157.1
129 91.8 72.6 109.0
131 89.5 71.6 107.4





#65

Chlorobenzene

Concen: 49.672 ug/l

RT: 9.92 min Scan# 952

Delta R.T. 0.00 min

Lab File: VF062196.D

Acq: 17 Apr 2019 20:33

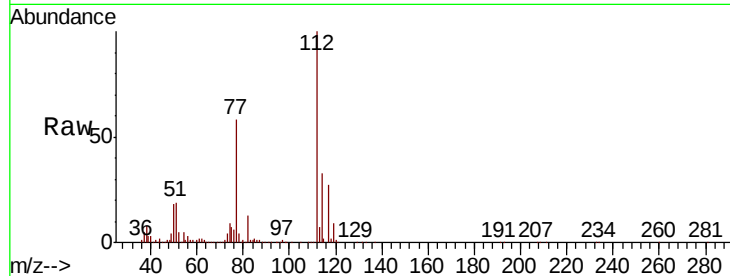
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:112 Resp: 461142

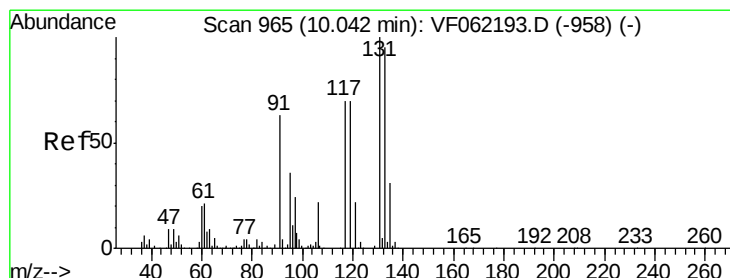
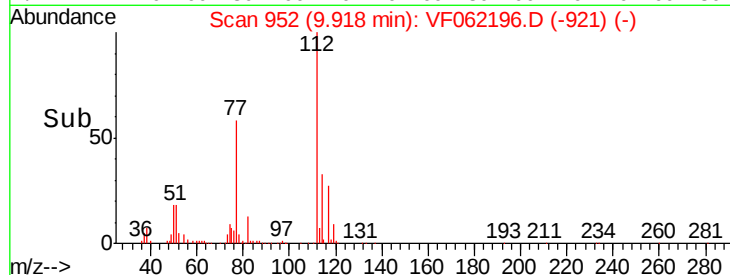
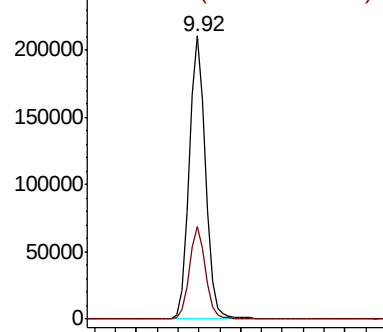
Ion Ratio Lower Upper

112 100

114 32.6 26.1 39.1



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



#66

1,1,1,2-Tetrachloroethane

Concen: 47.858 ug/l

RT: 10.05 min Scan# 965

Delta R.T. 0.00 min

Lab File: VF062196.D

Acq: 17 Apr 2019 20:33

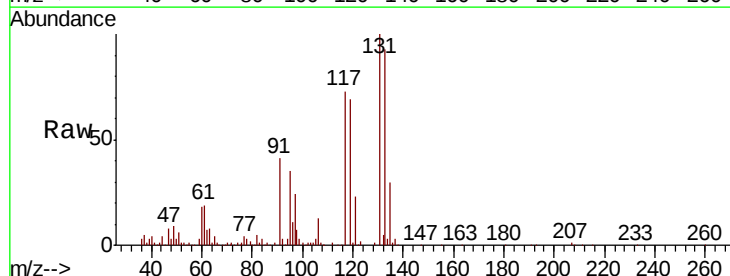
Tgt Ion:131 Resp: 208064

Ion Ratio Lower Upper

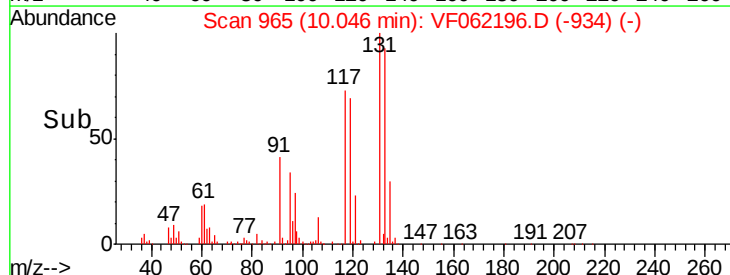
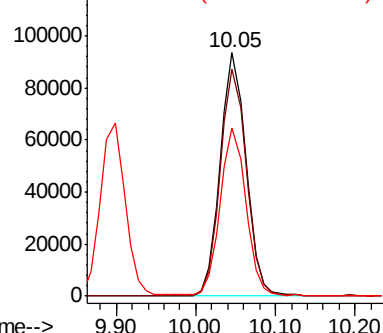
131 100

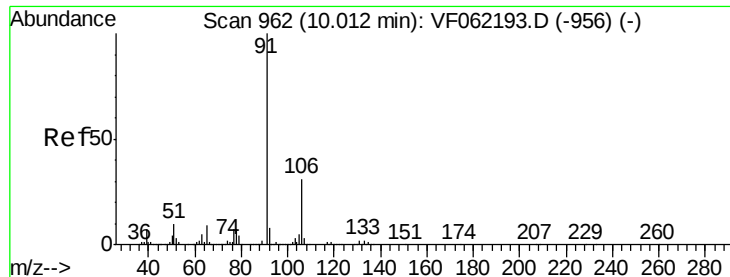
133 95.3 47.7 143.1

119 68.9 34.6 103.9



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





#67

Ethyl Benzene

Concen: 47.421 ug/l

RT: 10.02 min Scan# 962

Delta R.T. 0.00 min

Lab File: VF062196.D

Acq: 17 Apr 2019 20:33

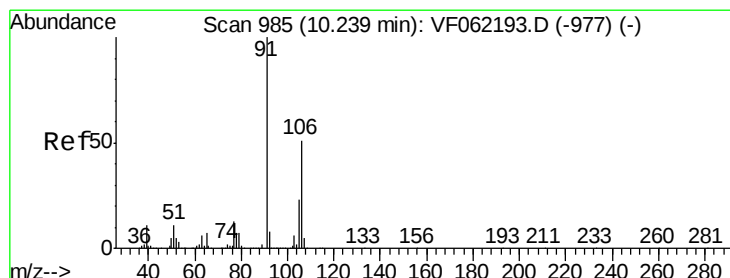
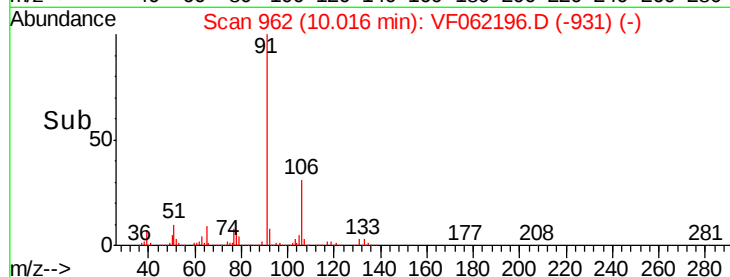
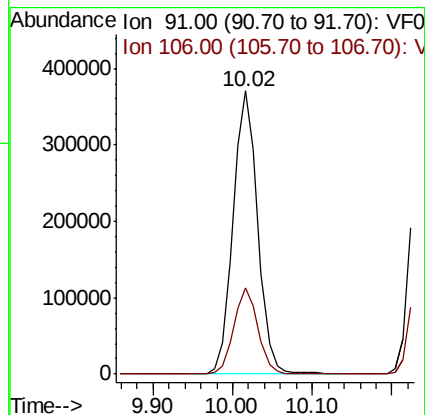
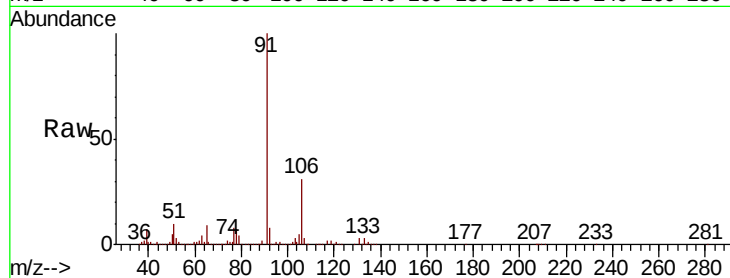
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 91 Resp: 800533

Ion Ratio Lower Upper

91 100

106 30.6 24.9 37.3



#68

m/p-Xylenes

Concen: 95.776 ug/l

RT: 10.24 min Scan# 985

Delta R.T. 0.00 min

Lab File: VF062196.D

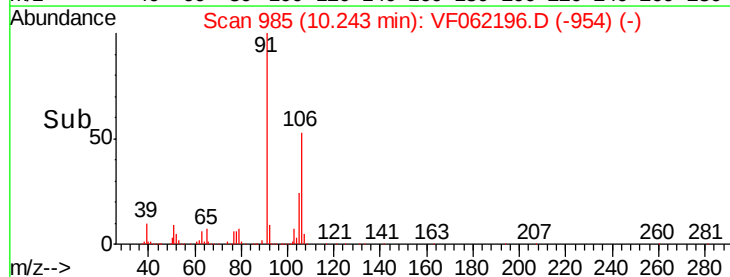
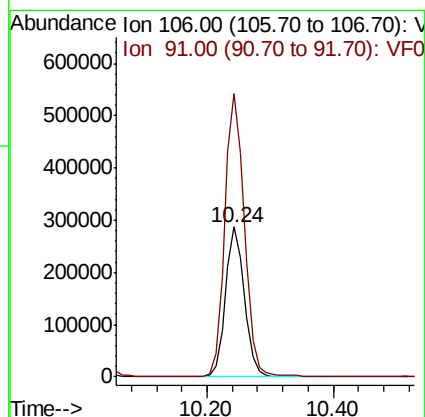
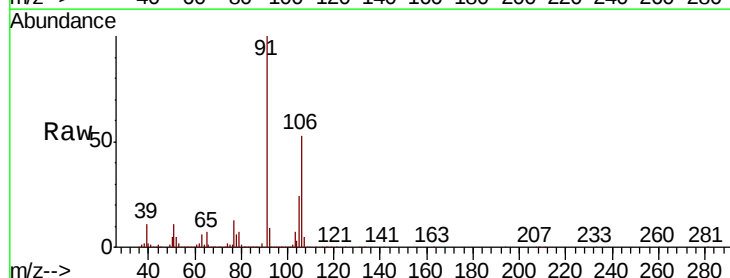
Acq: 17 Apr 2019 20:33

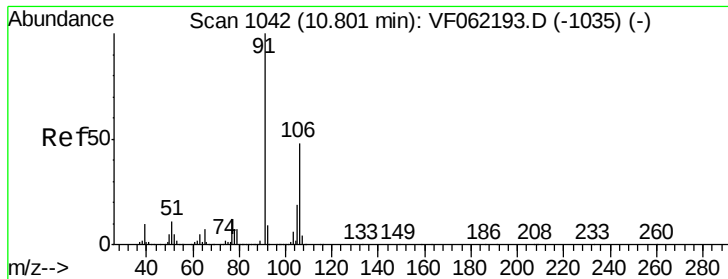
Tgt Ion:106 Resp: 595194

Ion Ratio Lower Upper

106 100

91 196.3 159.1 238.7

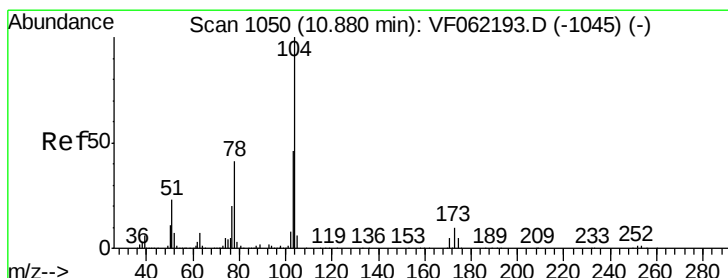
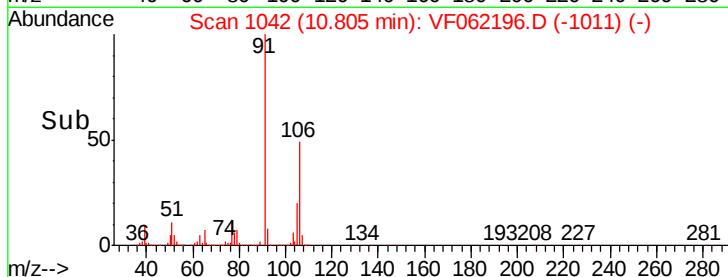
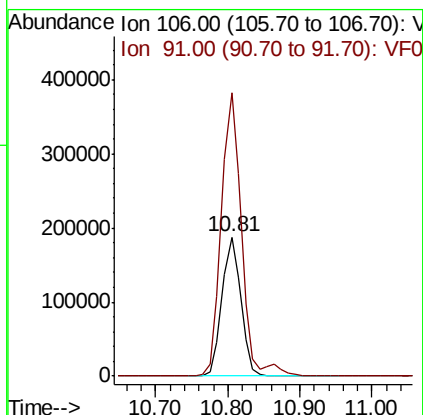
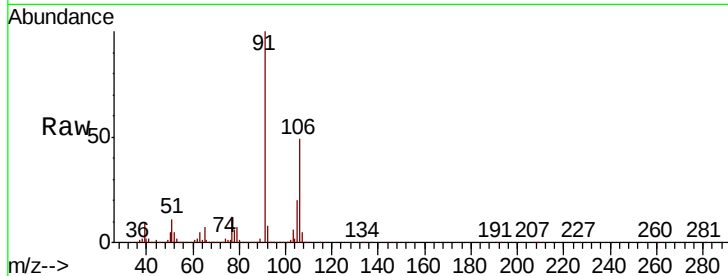




#69
o-Xylene
Concen: 49.558 ug/l
RT: 10.81 min Scan# 1042
Delta R.T. 0.00 min
Lab File: VF062196.D
Acq: 17 Apr 2019 20:33

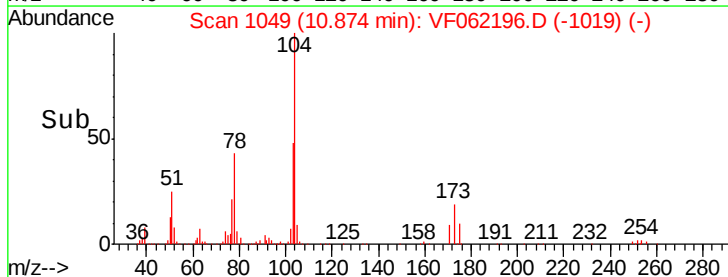
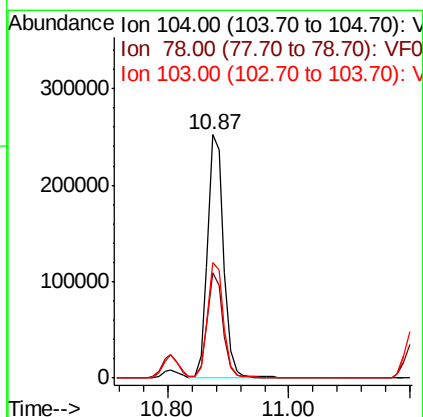
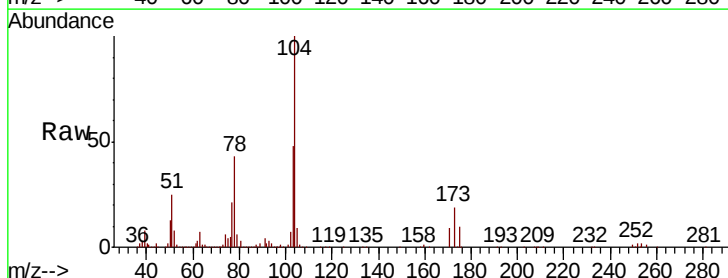
Instrument :
MSVOA_F
ClientSampled :

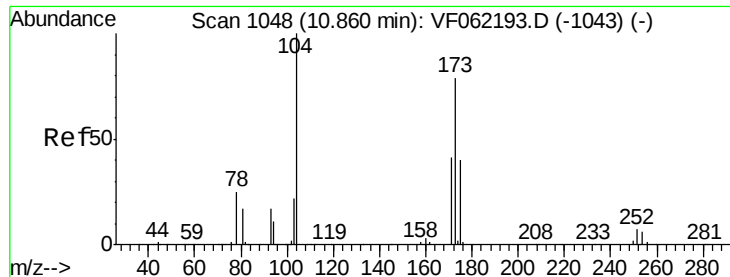
Tot Ion:106 Resp: 341933
Ion Ratio Lower Upper
106 100
91 216.0 107.5 322.4



#70
Styrene
Concen: 47.776 ug/l
RT: 10.87 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VF062196.D
Acq: 17 Apr 2019 20:33

Tgt Ion:104 Resp: 465184
Ion Ratio Lower Upper
104 100
78 42.4 34.5 51.7
103 46.9 37.2 55.8





#71

Bromoform

Concen: 47.132 ug/l

RT: 10.86 min Scan# 1048

Delta R.T. 0.00 min

Lab File: VF062196.D

Acq: 17 Apr 2019 20:33

Instrument :

MSVOA_F

ClientSampleId :

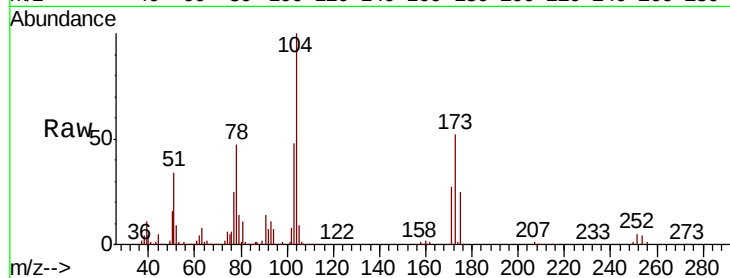
Tot Ion:173 Resp: 108186

Ion Ratio Lower Upper

173 100

175 49.2 24.5 73.5

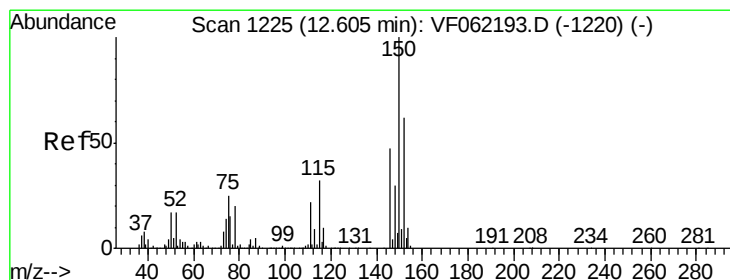
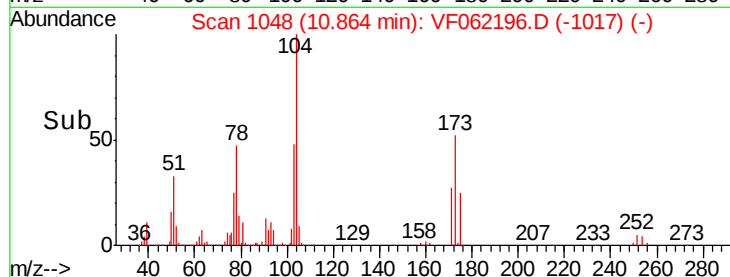
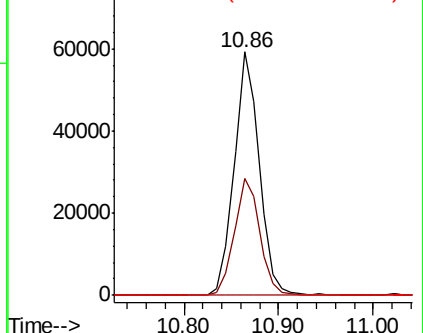
254 0.1 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.60 min Scan# 1224

Delta R.T. -0.01 min

Lab File: VF062196.D

Acq: 17 Apr 2019 20:33

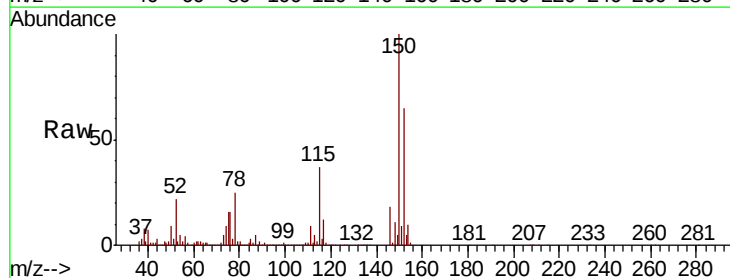
Tgt Ion:152 Resp: 222732

Ion Ratio Lower Upper

152 100

115 55.4 27.8 83.3

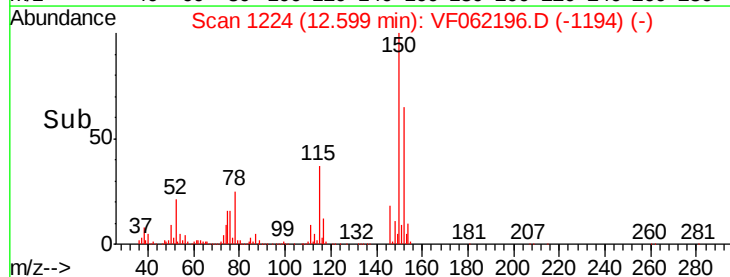
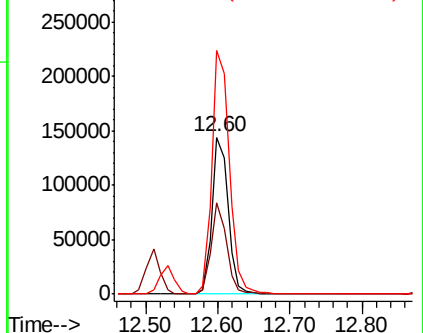
150 167.2 0.0 341.8

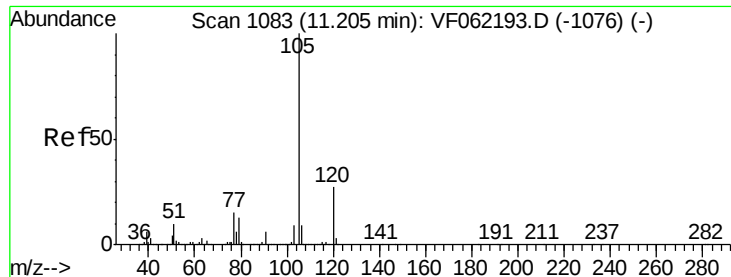


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 48.965 ug/l

RT: 11.20 min Scan# 1082

Delta R.T. -0.01 min

Lab File: VF062196.D

Acq: 17 Apr 2019 20:33

Instrument :

MSVOA_F

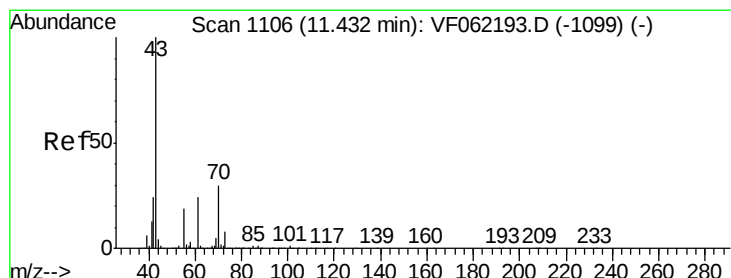
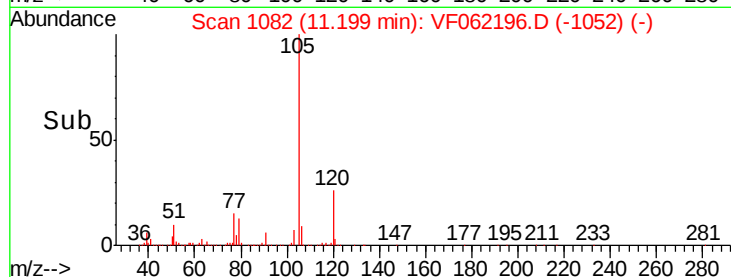
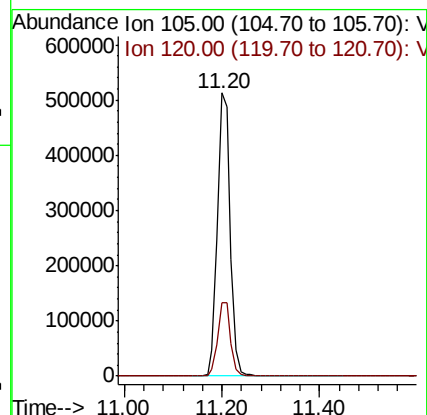
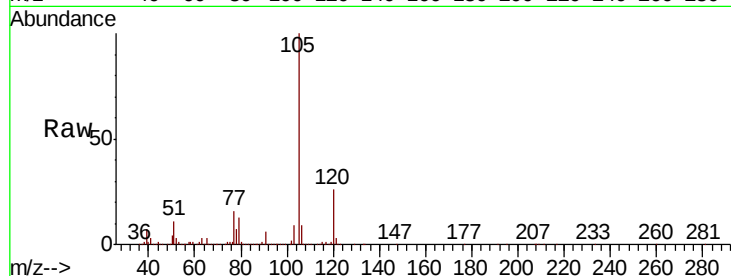
ClientSampled :

Tot Ion: 105 Resp: 936836

Ion Ratio Lower Upper

105 100

120 26.2 13.0 38.9



#74

N-ethyl acetate

Concen: 55.553 ug/l

RT: 11.44 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VF062196.D

Acq: 17 Apr 2019 20:33

Tgt Ion: 43 Resp: 251078

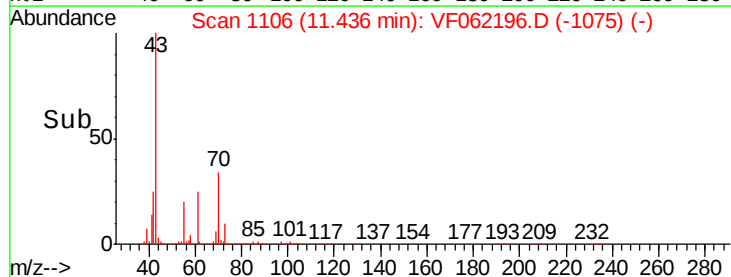
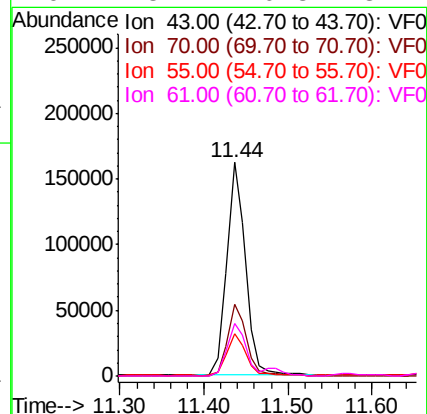
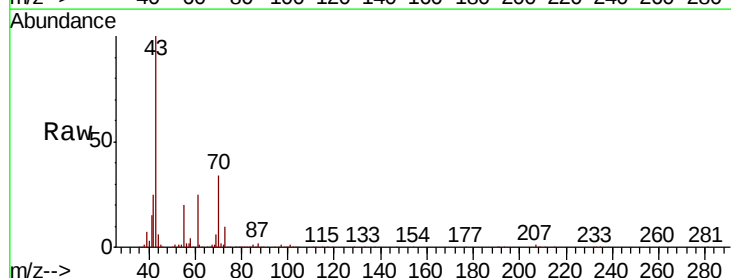
Ion Ratio Lower Upper

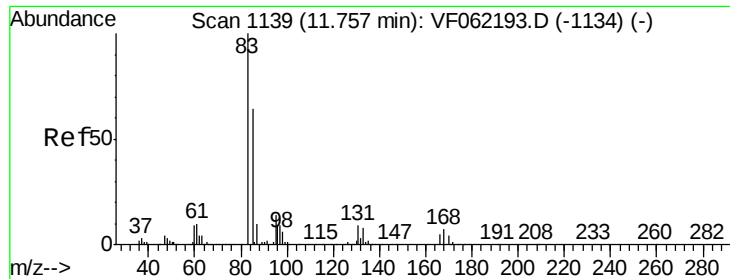
43 100

70 34.7 27.0 40.4

55 20.0 15.7 23.5

61 28.4 20.8 31.2





#75

1,1,2,2-Tetrachloroethane

Concen: 49.951 ug/l

RT: 11.76 min Scan# 1139

Delta R.T. 0.00 min

Lab File: VF062196.D

Acq: 17 Apr 2019 20:33

Instrument :

MSVOA_F

ClientSampleId :

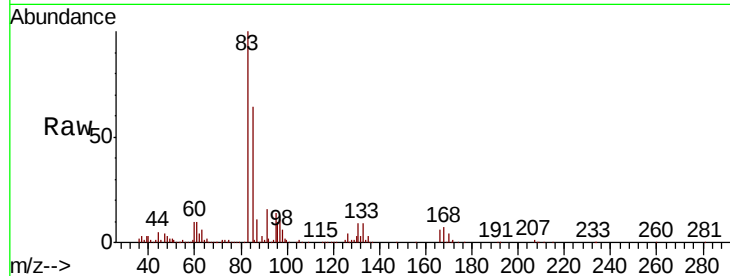
Tot Ion: 83 Resp: 164357

Ion Ratio Lower Upper

83 100

131 9.3 4.5 13.5

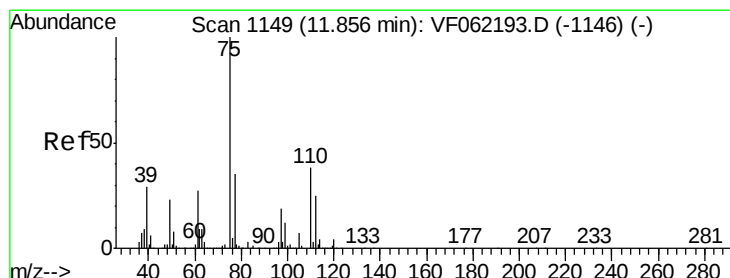
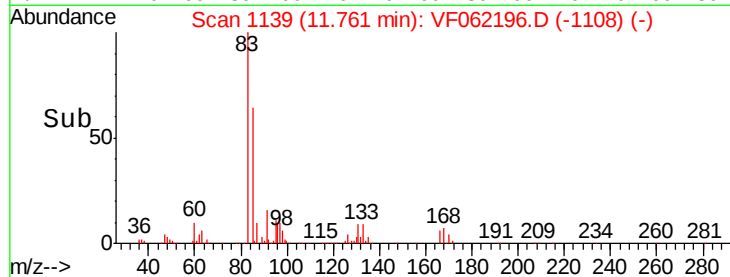
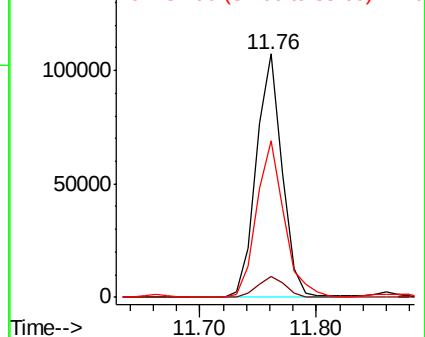
85 69.2 34.7 104.1



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: 47.352 ug/l

RT: 11.86 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VF062196.D

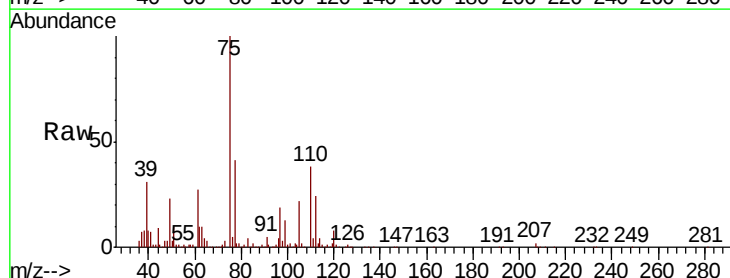
Acq: 17 Apr 2019 20:33

Tgt Ion: 75 Resp: 107196

Ion Ratio Lower Upper

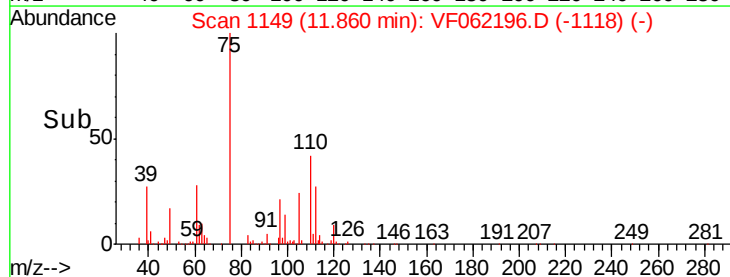
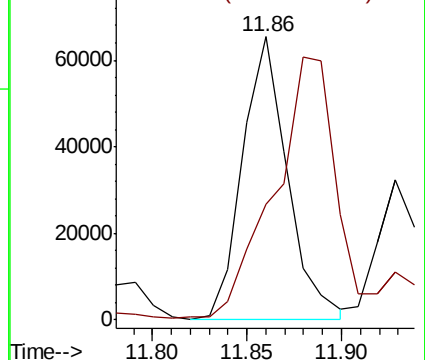
75 100

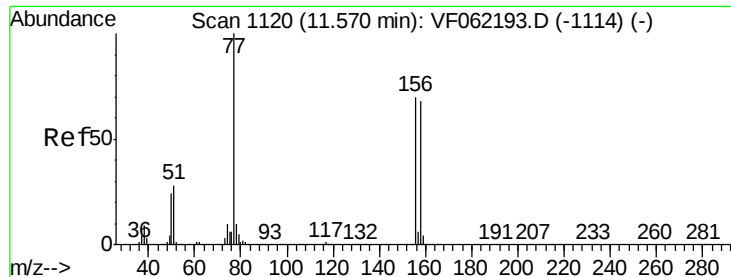
77 128.4 7.4 22.2#



Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 51.365 ug/l

RT: 11.57 min Scan# 1120

Delta R.T. 0.00 min

Lab File: VF062196.D

Acq: 17 Apr 2019 20:33

Instrument :

MSVOA_F

ClientSampleId :

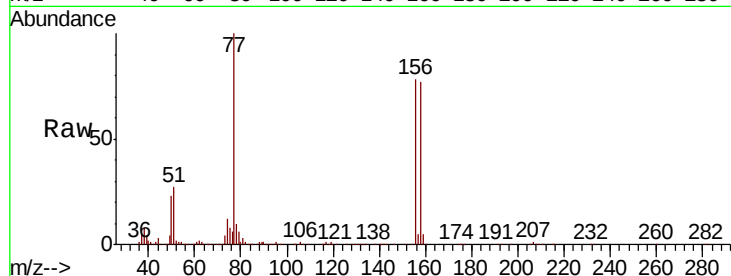
Tot Ion:156 Resp: 210528

Ion Ratio Lower Upper

156 100

77 154.6 80.9 242.7

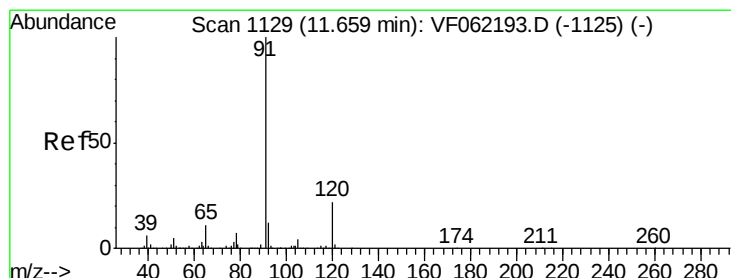
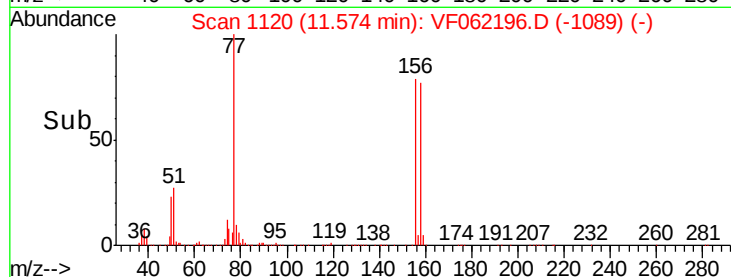
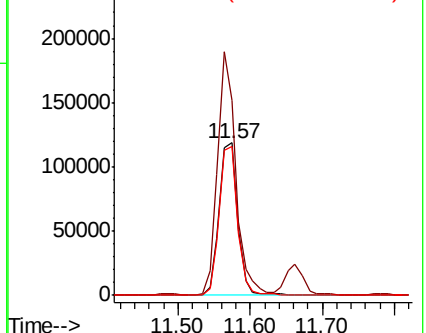
158 96.9 49.8 149.4



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: 48.798 ug/l

RT: 11.66 min Scan# 1129

Delta R.T. 0.00 min

Lab File: VF062196.D

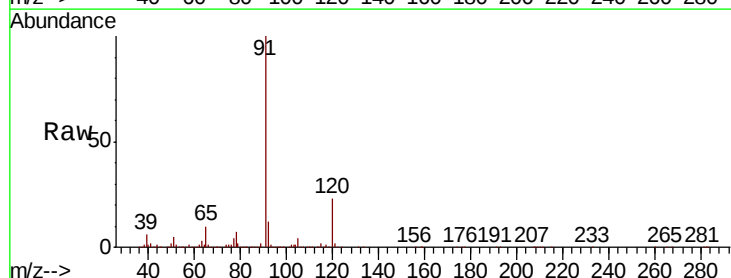
Acq: 17 Apr 2019 20:33

Tgt Ion: 91 Resp: 984920

Ion Ratio Lower Upper

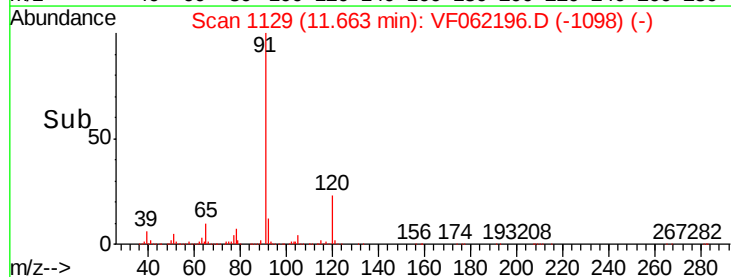
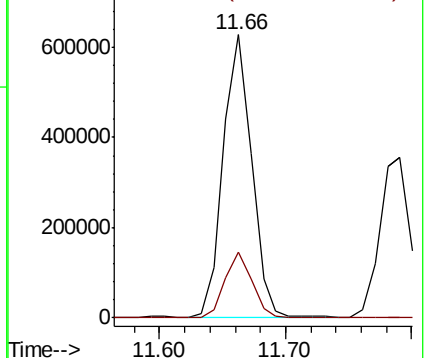
91 100

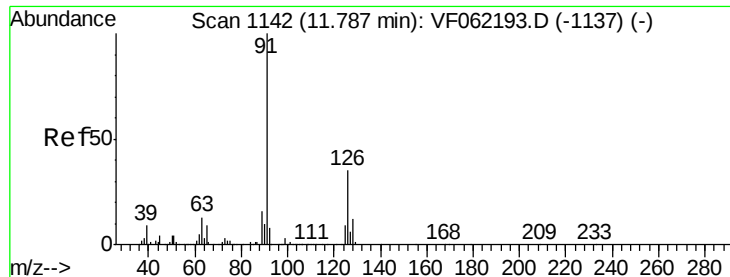
120 22.3 11.2 33.6



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.005 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VF062196.D

Acq: 17 Apr 2019 20:33

Instrument :

MSVOA_F

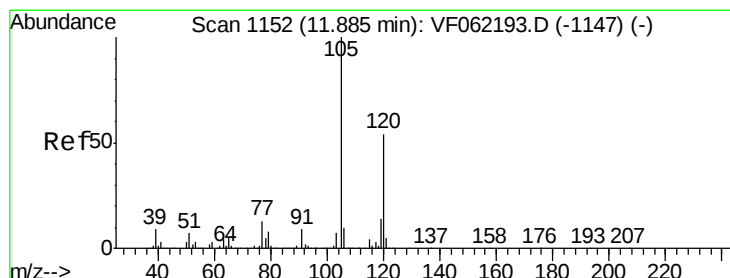
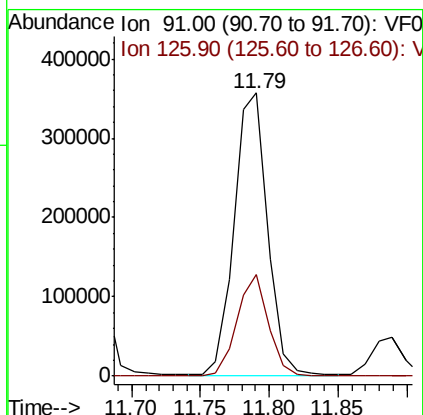
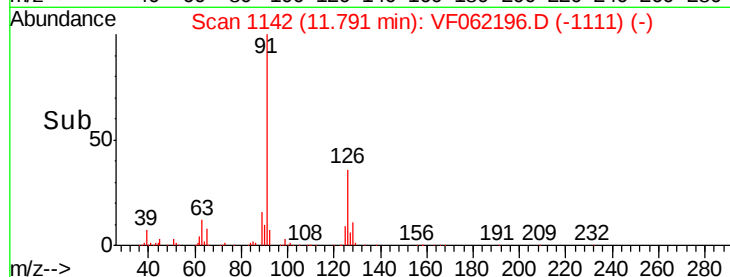
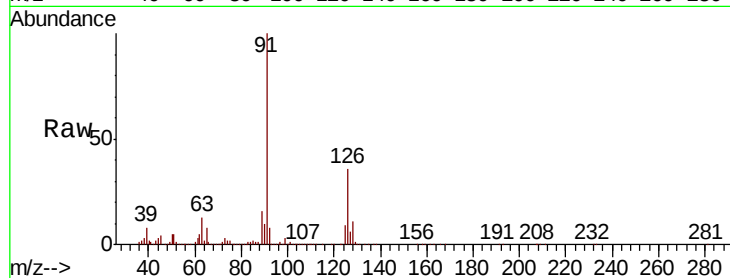
ClientSampleId :

Tot Ion: 91 Resp: 599985

Ion Ratio Lower Upper

91 100

126 33.9 16.9 50.6



#80

1,3,5-Trimethylbenzene

Concen: 48.632 ug/l

RT: 11.89 min Scan# 1152

Delta R.T. 0.00 min

Lab File: VF062196.D

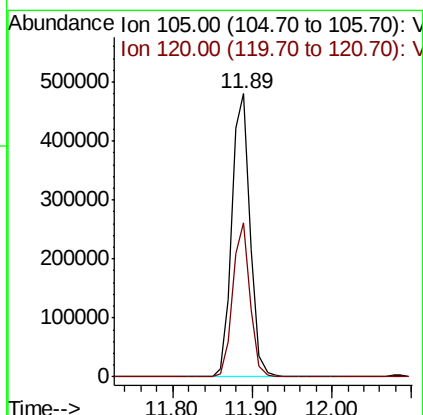
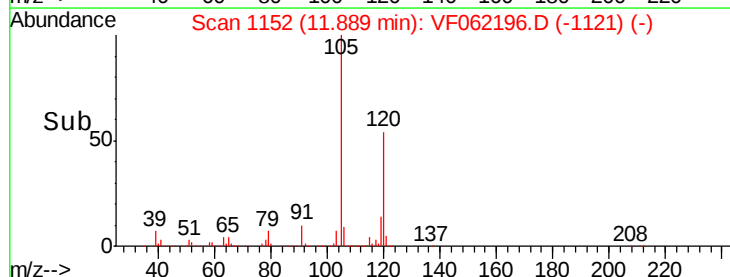
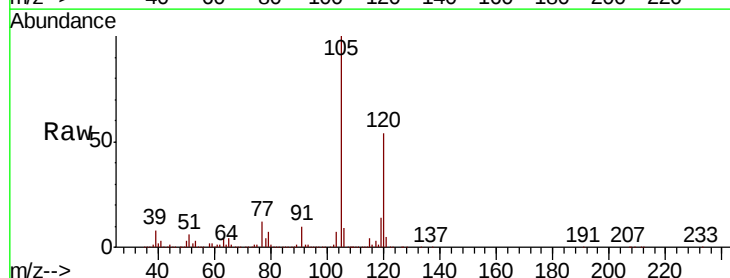
Acq: 17 Apr 2019 20:33

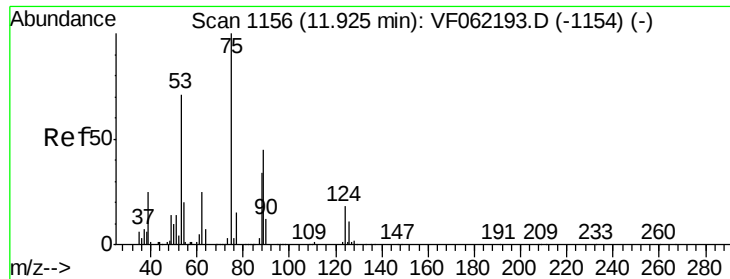
Tgt Ion: 105 Resp: 774962

Ion Ratio Lower Upper

105 100

120 51.5 26.2 78.5





#81

trans-1,4-Dichloro-2-butene

Concen: 55.278 ug/l

RT: 11.93 min Scan# 1156

Delta R.T. 0.00 min

Lab File: VF062196.D

Acq: 17 Apr 2019 20:33

Instrument :

MSVOA_F

ClientSampled :

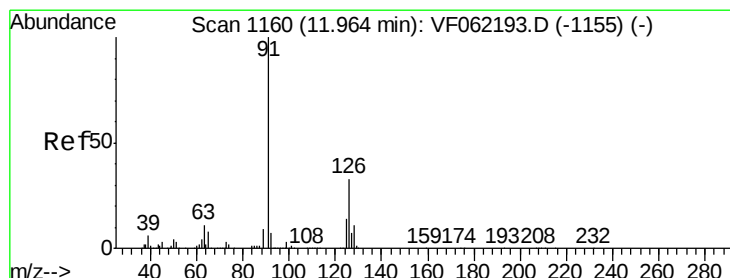
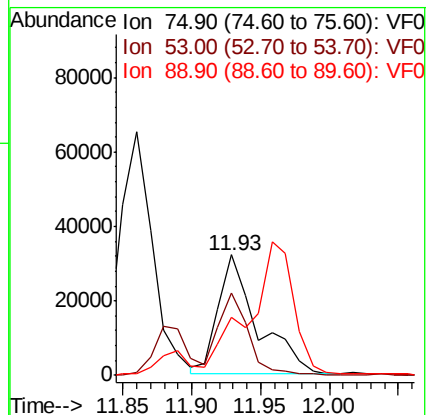
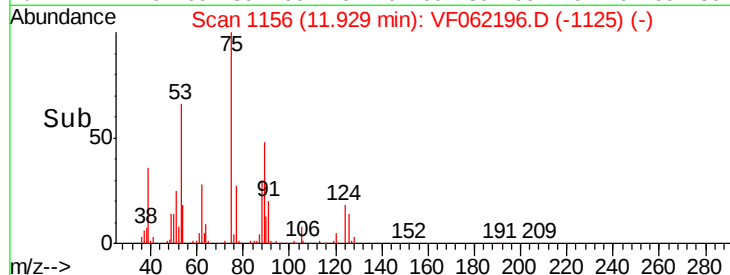
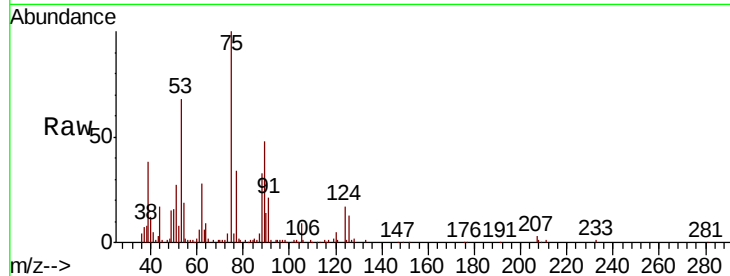
Tot Ion: 75 Resp: 63820

Ion Ratio Lower Upper

75 100

53 51.1 50.2 75.4

89 0.0 0.0 0.0



#82

4-Chlorotoluene

Concen: 47.875 ug/l

RT: 11.96 min Scan# 1159

Delta R.T. -0.01 min

Lab File: VF062196.D

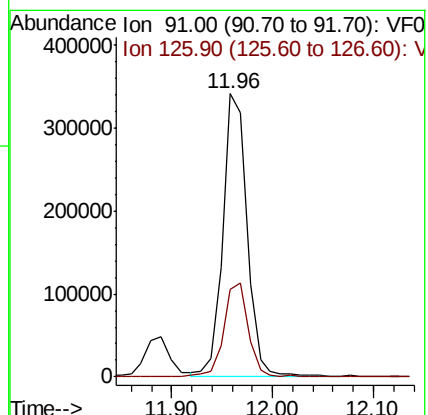
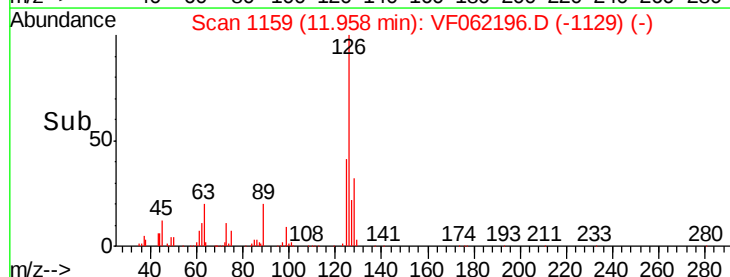
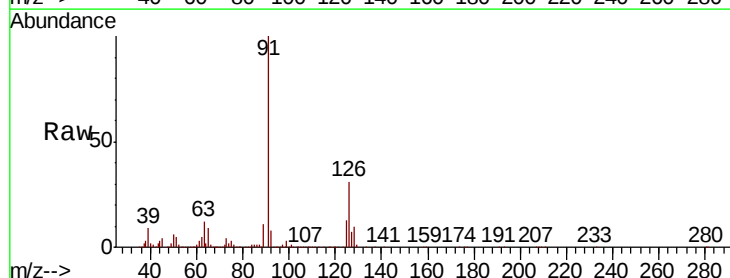
Acq: 17 Apr 2019 20:33

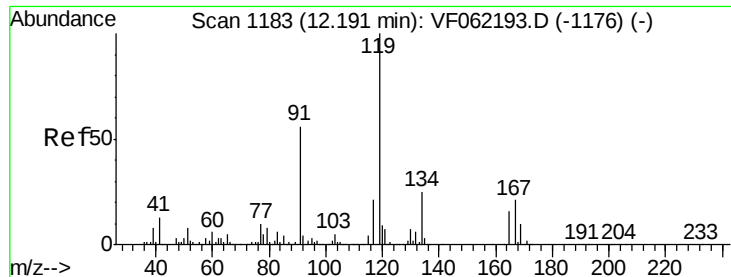
Tgt Ion: 91 Resp: 566471

Ion Ratio Lower Upper

91 100

126 34.2 16.9 50.6

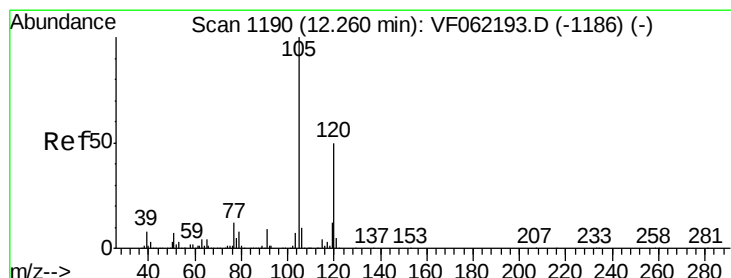
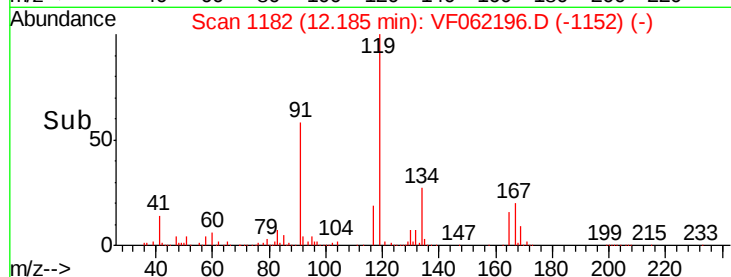
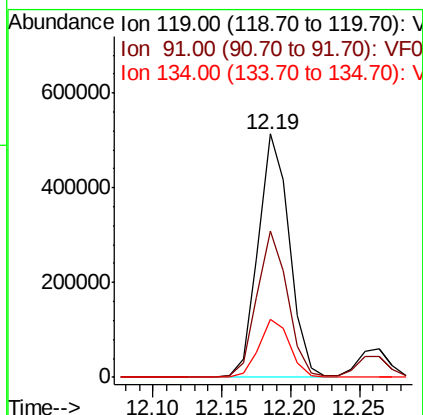
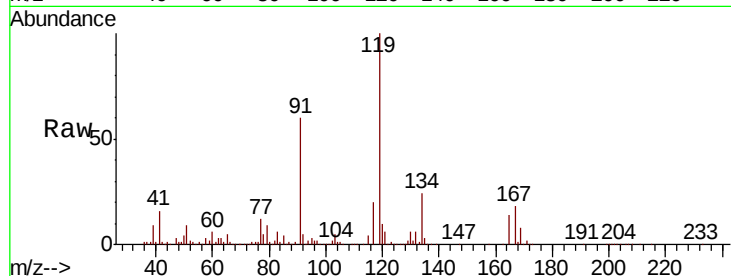




#83
tert-Butylbenzene
Concen: 49.606 ug/l
RT: 12.19 min Scan# 1182
Delta R.T. -0.01 min
Lab File: VF062196.D
Acq: 17 Apr 2019 20:33

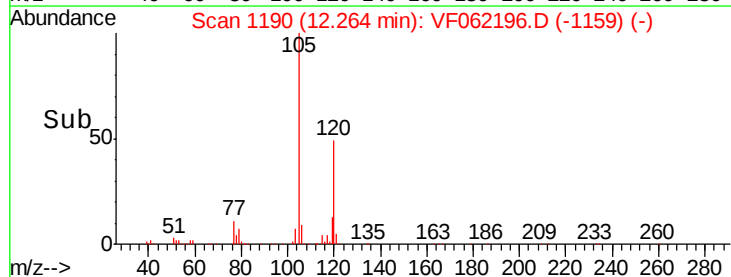
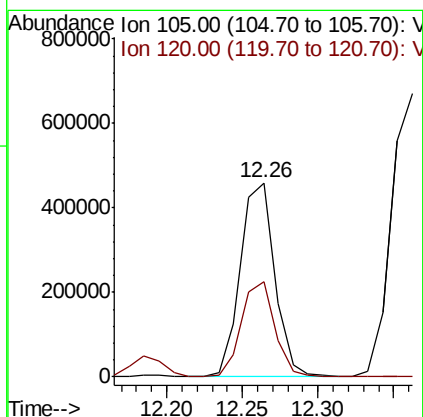
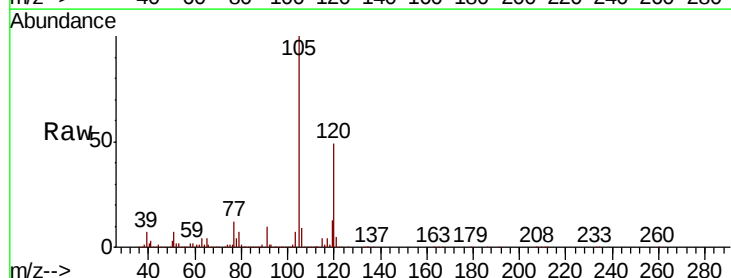
Instrument :
MSVOA_F
ClientSampleId :

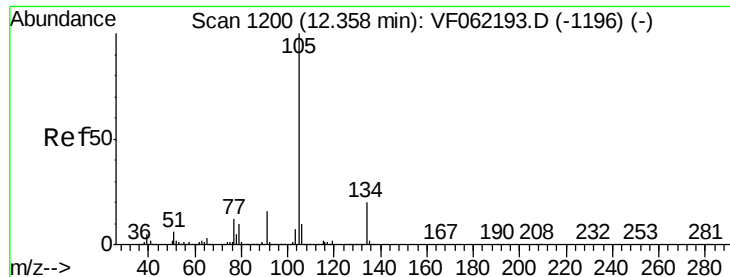
Tot Ion:119 Resp: 817466
Ion Ratio Lower Upper
119 100
91 58.2 29.4 88.2
134 23.4 11.8 35.3



#84
1,2,4-Trimethylbenzene
Concen: 47.188 ug/l
RT: 12.26 min Scan# 1190
Delta R.T. 0.00 min
Lab File: VF062196.D
Acq: 17 Apr 2019 20:33

Tgt Ion:105 Resp: 727669
Ion Ratio Lower Upper
105 100
120 47.8 24.0 72.0

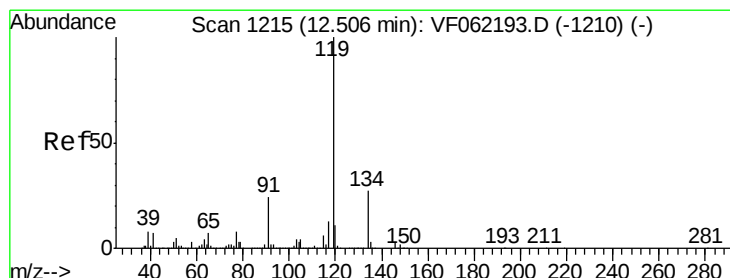
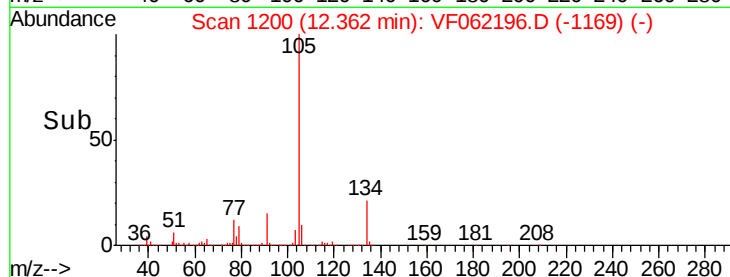
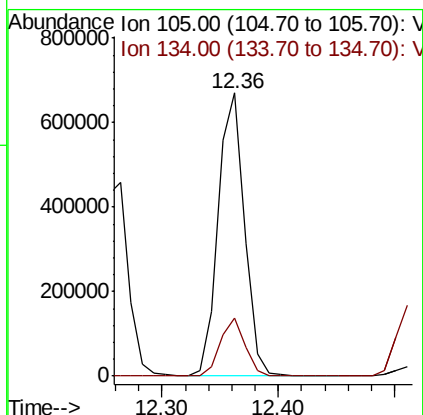
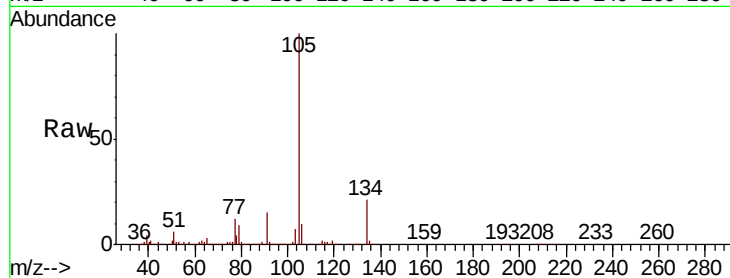




#85
 sec-Butylbenzene
 Concen: 49.052 ug/l
 RT: 12.36 min Scan# 1200
 Delta R.T. 0.00 min
 Lab File: VF062196.D
 Acq: 17 Apr 2019 20:33

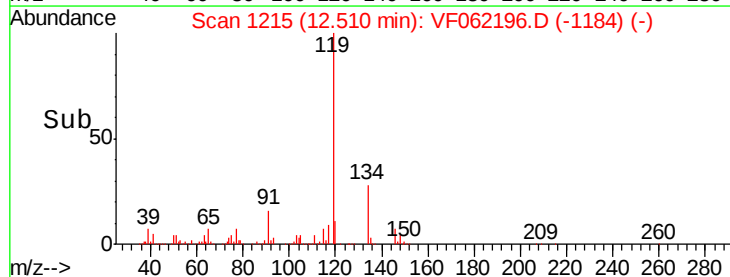
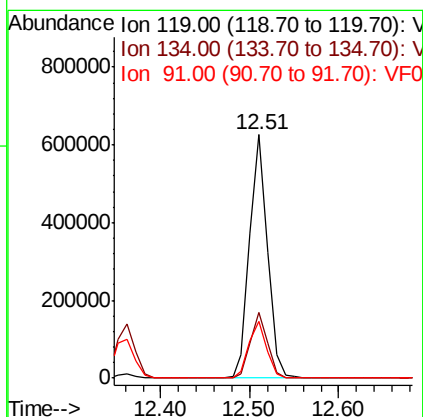
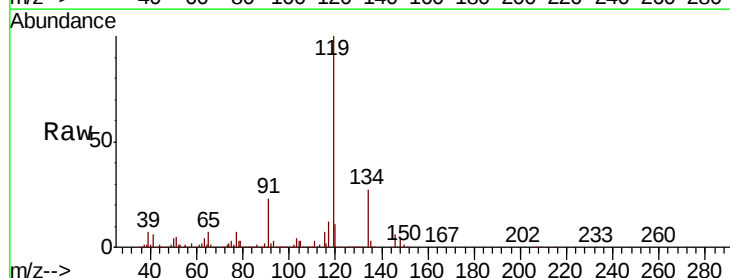
Instrument :
 MSVOA_F
 ClientSampleId :

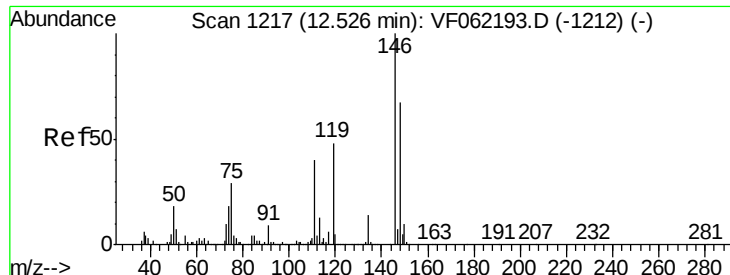
Tot Ion:105 Resp: 1049429
 Ion Ratio Lower Upper
 105 100
 134 19.4 9.7 29.1



#86
 p-Isopropyltoluene
 Concen: 47.749 ug/l
 RT: 12.51 min Scan# 1215
 Delta R.T. 0.00 min
 Lab File: VF062196.D
 Acq: 17 Apr 2019 20:33

Tgt Ion:119 Resp: 866566
 Ion Ratio Lower Upper
 119 100
 134 26.0 13.2 39.5
 91 23.3 11.7 35.1

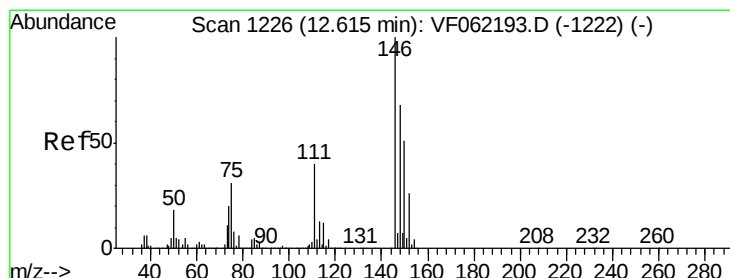
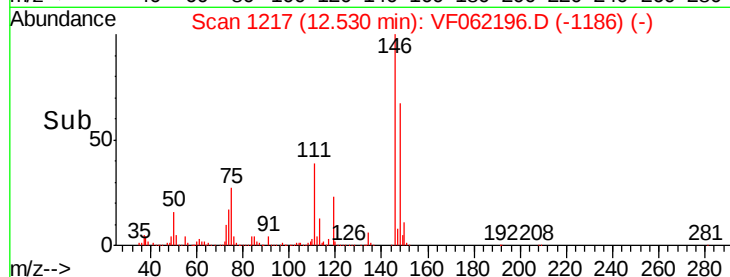
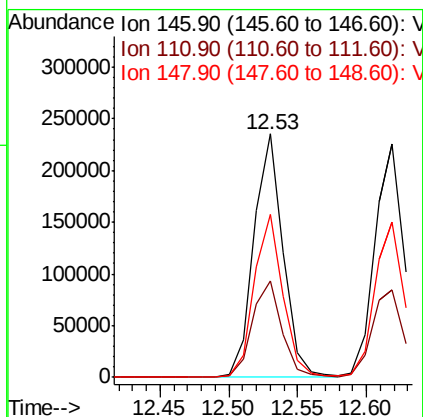
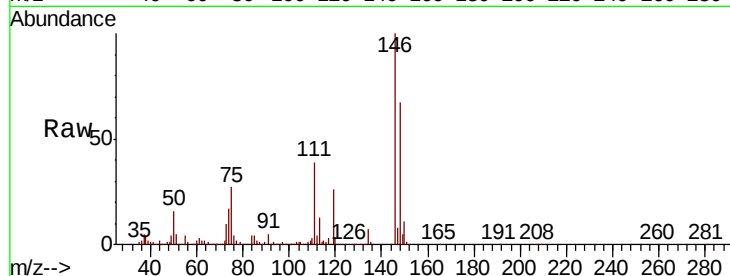




#87
 1,3-Dichlorobenzene
 Concen: 45.914 ug/l
 RT: 12.53 min Scan# 1217
 Delta R.T. 0.00 min
 Lab File: VF062196.D
 Acq: 17 Apr 2019 20:33

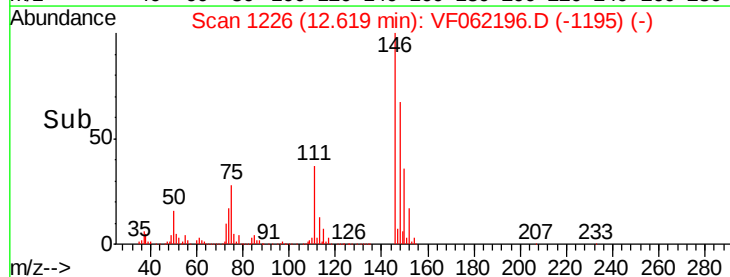
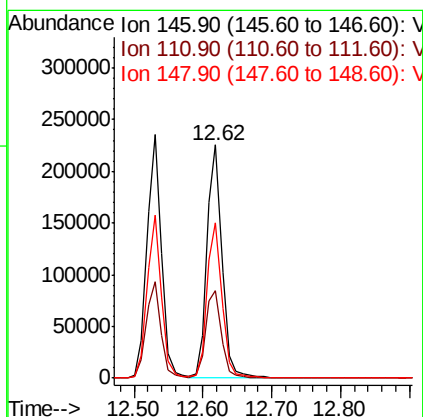
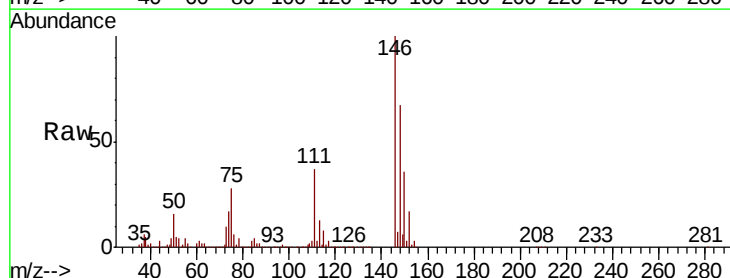
Instrument :
 MSVOA_F
 ClientSampleId :

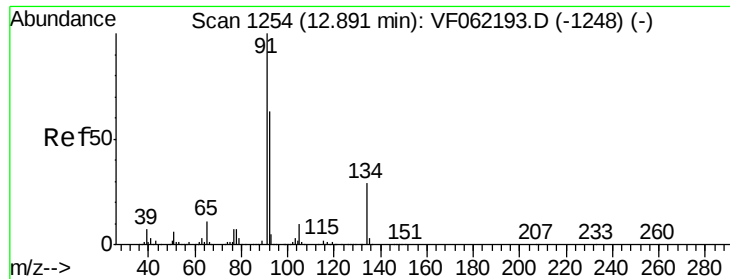
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	19.7	59.0
148	66.0	32.9	98.6



#88
 1,4-Dichlorobenzene
 Concen: 46.820 ug/l
 RT: 12.62 min Scan# 1226
 Delta R.T. 0.00 min
 Lab File: VF062196.D
 Acq: 17 Apr 2019 20:33

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.3	20.0	60.0
148	66.8	33.6	100.8





#89

n-Butylbenzene

Concen: 54.903 ug/l

RT: 12.88 min Scan# 1253

Delta R.T. -0.01 min

Lab File: VF062196.D

Acq: 17 Apr 2019 20:33

Instrument :

MSVOA_F

ClientSampleId :

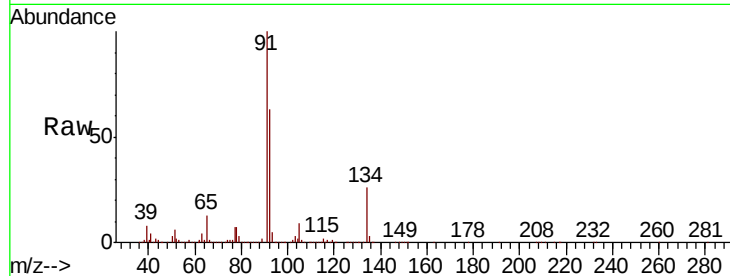
Tot Ion: 91 Resp: 811839

Ion Ratio Lower Upper

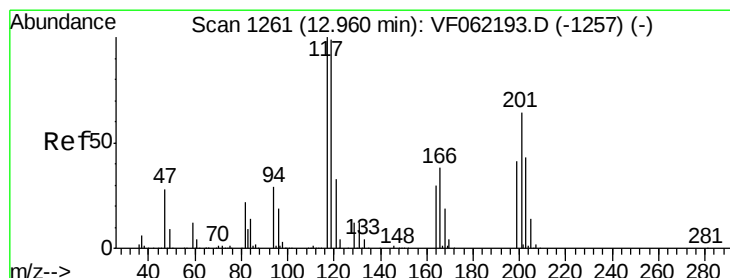
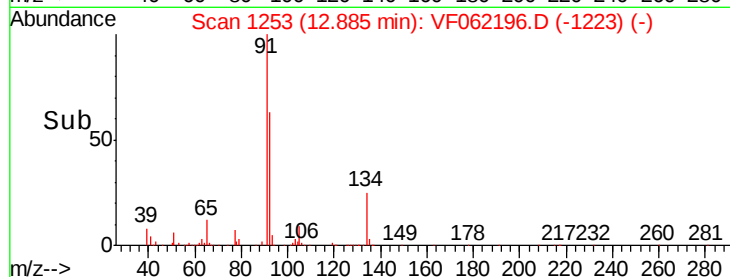
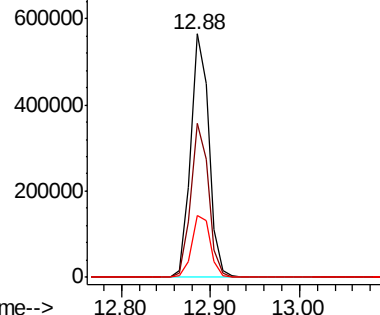
91 100

92 62.0 31.2 93.6

134 26.2 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: 50.609 ug/l

RT: 12.96 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VF062196.D

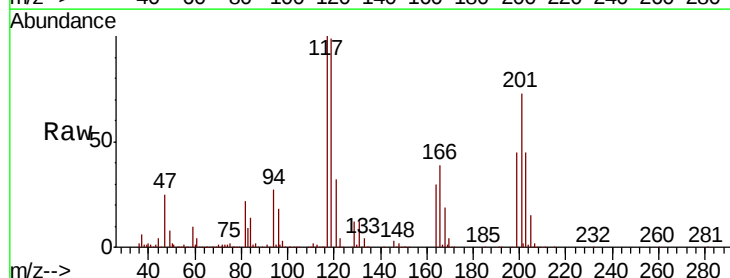
Acq: 17 Apr 2019 20:33

Tgt Ion: 117 Resp: 235853

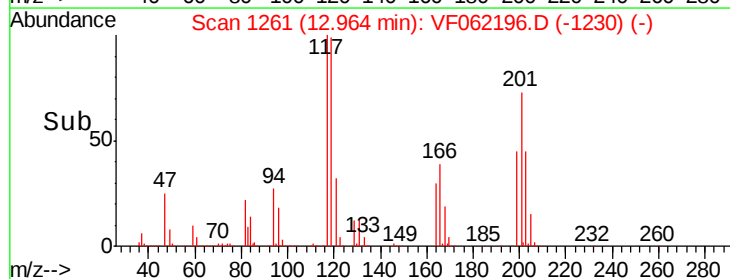
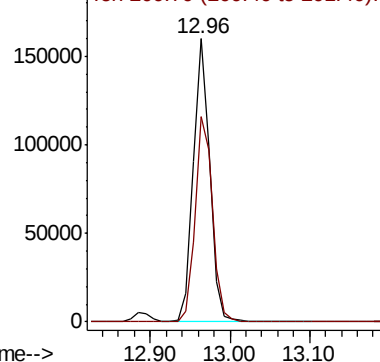
Ion Ratio Lower Upper

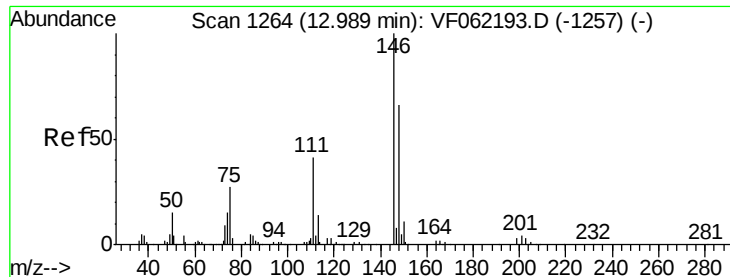
117 100

201 76.0 37.7 113.1



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

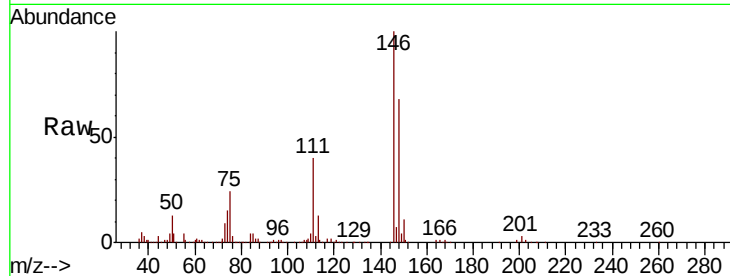




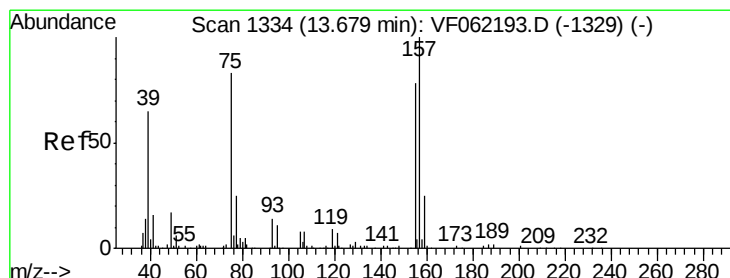
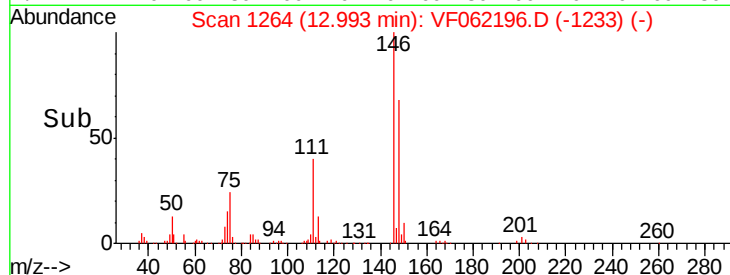
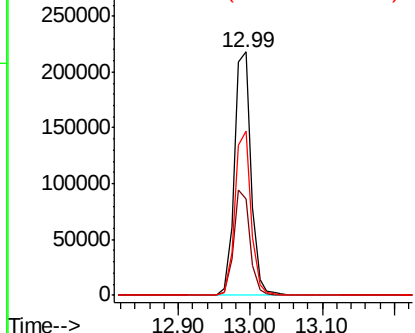
#91
 1,2-Dichlorobenzene
 Concen: 47.936 ug/l
 RT: 12.99 min Scan# 1264
 Delta R.T. 0.00 min
 Lab File: VF062196.D
 Acq: 17 Apr 2019 20:33

Instrument :
 MSVOA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.7	20.8	62.5
148	65.8	33.0	99.0

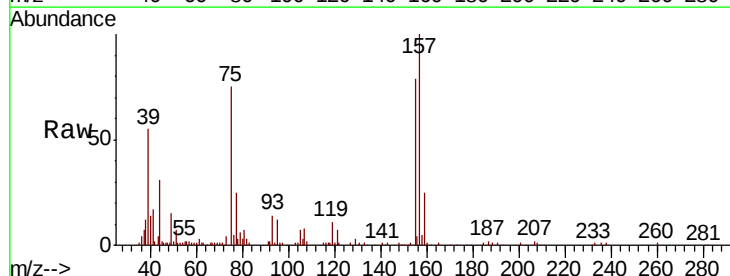


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

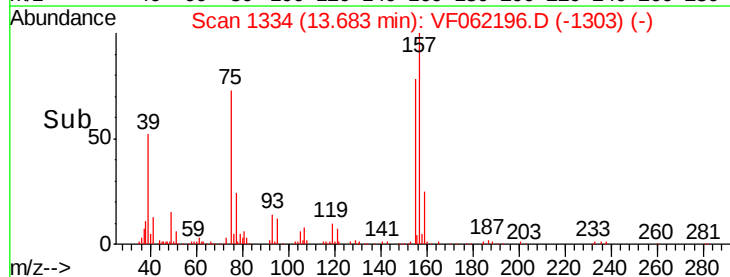
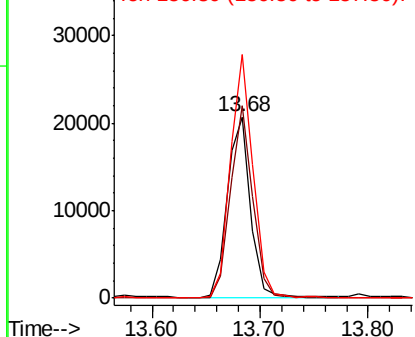


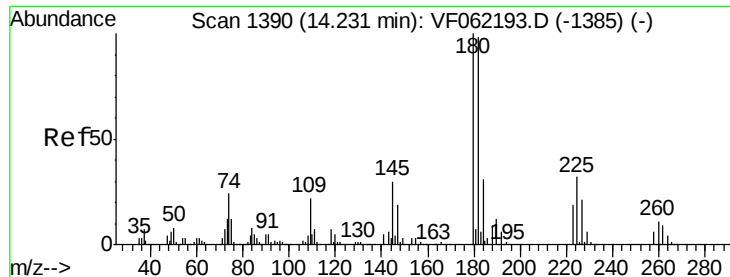
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.215 ug/l
 RT: 13.68 min Scan# 1334
 Delta R.T. 0.00 min
 Lab File: VF062196.D
 Acq: 17 Apr 2019 20:33

Tgt Ion	Ratio	Lower	Upper
75	100		
155	100.3	47.6	142.8
157	129.6	61.3	183.9



Abundance Ion 74.90 (74.60 to 75.60): VF0
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V

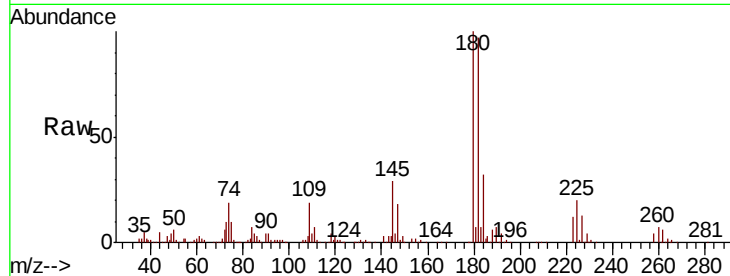




#93
 1,2,4-Trichlorobenzene
 Concen: 48.774 ug/l
 RT: 14.24 min Scan# 1390
 Delta R.T. 0.00 min
 Lab File: VF062196.D
 Acq: 17 Apr 2019 20:33

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.2	49.3	147.9
145	35.4	18.1	54.4

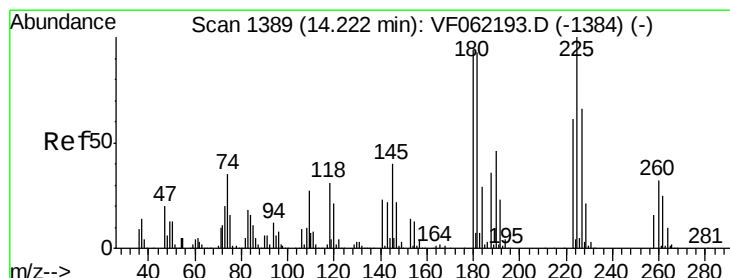
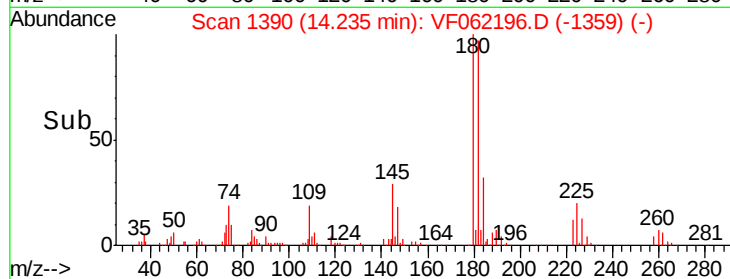
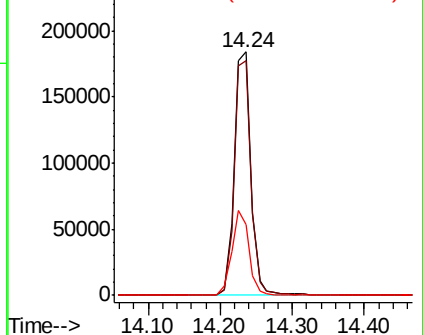


Abundance

Ion 179.80 (179.50 to 180.50): V

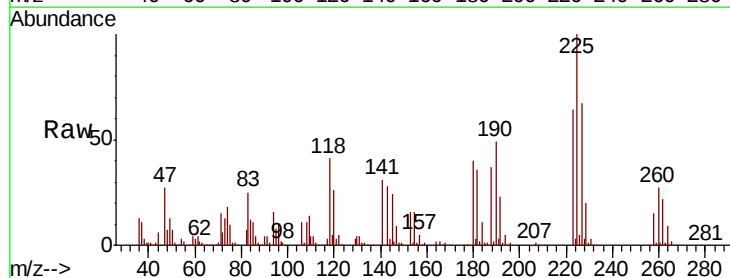
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 50.484 ug/l
 RT: 14.22 min Scan# 1388
 Delta R.T. -0.01 min
 Lab File: VF062196.D
 Acq: 17 Apr 2019 20:33

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.4	31.0	93.0
227	64.8	32.4	97.0

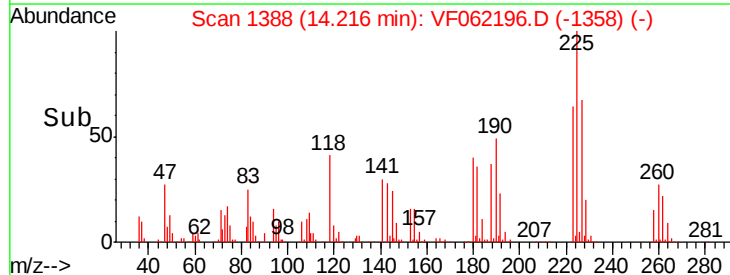
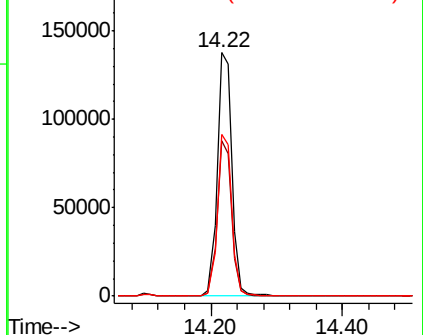


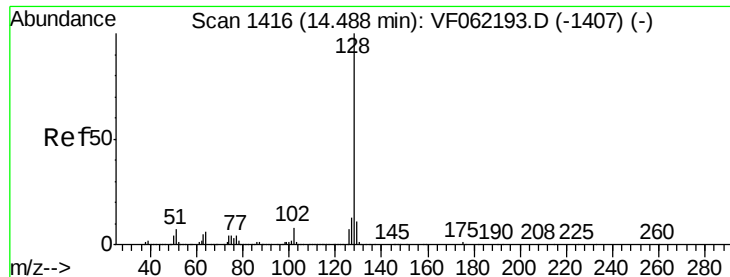
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 52.569 ug/l

RT: 14.48 min Scan# 1415

Delta R.T. -0.01 min

Lab File: VF062196.D

Acq: 17 Apr 2019 20:33

Instrument :

MSVOA_F

ClientSampled :

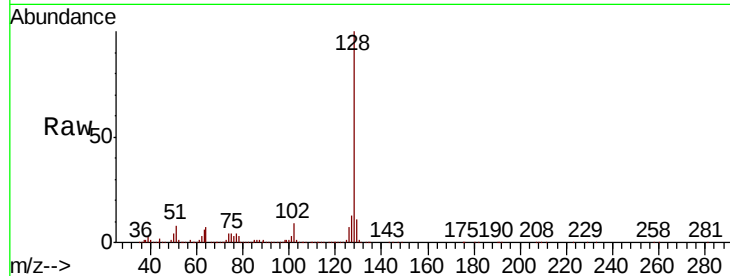
Tot Ion:128 Resp: 564811

Ion Ratio Lower Upper

128 100

127 12.8 10.4 15.6

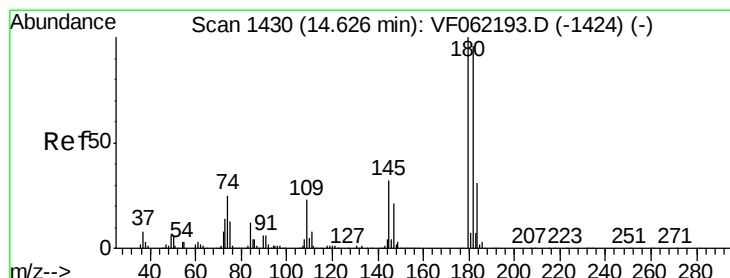
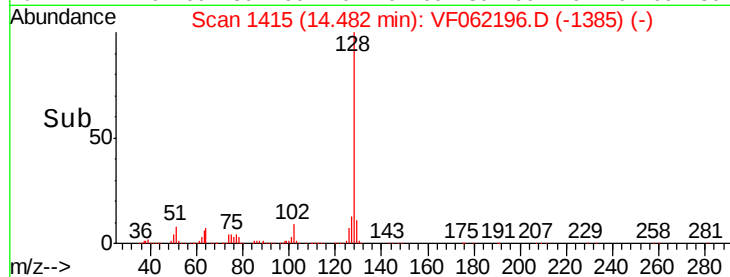
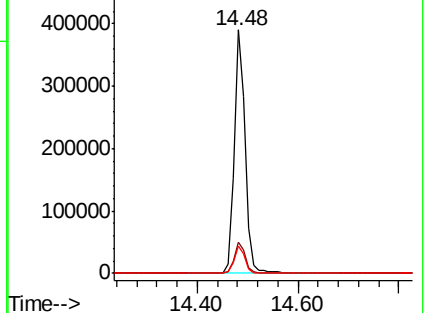
129 11.3 9.2 13.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 50.214 ug/l

RT: 14.63 min Scan# 1430

Delta R.T. 0.00 min

Lab File: VF062196.D

Acq: 17 Apr 2019 20:33

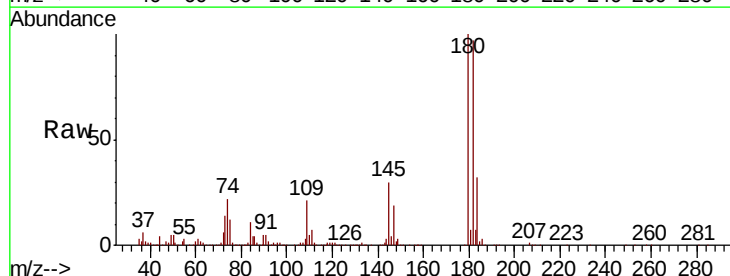
Tgt Ion:180 Resp: 296219

Ion Ratio Lower Upper

180 100

182 97.0 48.4 145.3

145 30.9 15.6 46.8



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

