

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF121718\
 Data File : VF061035.D
 Acq On : 17 Dec 2018 11:59
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Dec 18 03:06:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 27 01:36:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.89	168	169421	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.62	114	270400	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.79	117	253758	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.56	152	130413	50.00	ug/l	-0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.86	65	112358	56.30	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	112.60%	
35) Dibromofluoromethane	4.13	113	120944	56.38	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	112.76%	
50) Toluene-d8	7.57	98	343344	54.34	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	108.68%	
62) 4-Bromofluorobenzene	11.43	95	156559	54.51	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	109.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	107482	42.429	ug/l	99
3) Chloromethane	1.10	50	73665	44.689	ug/l	94
4) Vinyl Chloride	1.14	62	74910	48.719	ug/l	95
5) Bromomethane	1.35	94	53347	49.204	ug/l	96
6) Chloroethane	1.38	64	36378	54.733	ug/l	99
7) Trichlorofluoromethane	1.49	101	172425	52.266	ug/l	93
8) Diethyl Ether	1.63	74	22494	47.416	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	1.83	101	89327	53.559	ug/l	97
10) Methyl Iodide	1.90	142	105782	41.727	ug/l	91
11) Tert butyl alcohol	2.58	59	22391	273.681	ug/l	94
12) 1,1-Dichloroethene	1.79	96	63588	47.401	ug/l	87
13) Acrolein	2.01	56	18873	243.472	ug/l	93
14) Allyl chloride	2.11	41	92191	55.137	ug/l	98
15) Acrylonitrile	2.95	53	50017	272.690	ug/l	95
16) Acetone	2.24	43	131835	358.205	ug/l	95
17) Carbon Disulfide	1.83	76	104940	29.175	ug/l	96
18) Methyl Acetate	2.35	43	36845	60.002	ug/l	94
19) Methyl tert-butyl Ether	2.44	73	164633	54.489	ug/l	97
20) Methylene Chloride	2.24	84	46397	34.363	ug/l	94
21) trans-1,2-Dichloroethene	2.31	96	68492	52.959	ug/l	95
22) Diisopropyl ether	2.82	45	248844	54.676	ug/l	96
23) Vinyl Acetate	3.20	43	589122	283.172	ug/l	97
24) 1,1-Dichloroethane	2.89	63	153203	56.577	ug/l	98
25) 2-Butanone	4.35	43	181037	284.387	ug/l	99
26) 2,2-Dichloropropane	3.61	77	95107	54.176	ug/l	97
27) cis-1,2-Dichloroethene	3.49	96	110045	52.265	ug/l	94
28) Bromochloromethane	3.73	49	66305	51.021	ug/l	94
29) Tetrahydrofuran	4.09	42	68682	254.529	ug/l	95
30) Chloroform	3.87	83	223038	53.518	ug/l	100
31) Cyclohexane	3.70	56	129529	46.092	ug/l	96
32) 1,1,1-Trichloroethane	4.11	97	158605	54.876	ug/l	93
36) 1,1-Dichloropropene	4.30	75	151053	50.365	ug/l	95
37) Ethyl Acetate	4.13	43	64882	53.235	ug/l #	95
38) Carbon Tetrachloride	4.01	117	139677	52.728	ug/l	97

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 Quant Title : SW846 8260
 QLast Update : Tue Nov 27 01:36:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.47	83	146977	46.762	ug/l	94
40) Benzene	4.65	78	338062	51.022	ug/l	100
41) Methacrylonitrile	4.76	41	36679	58.809	ug/l #	82
42) 1,2-Dichloroethane	4.96	62	132203	54.653	ug/l	96
43) Isopropyl Acetate	6.97	43	81559	54.480	ug/l #	99
44) Trichloroethene	5.52	130	111553	51.492	ug/l	94
45) 1,2-Dichloropropane	6.26	63	93234	54.180	ug/l	94
46) Dibromomethane	6.10	93	61221	52.445	ug/l	98
47) Bromodichloromethane	6.40	83	168385	54.310	ug/l	93
48) Methyl methacrylate	6.73	41	57754	52.350	ug/l	98
49) 1,4-Dioxane	6.72	88	8967	1110.587	ug/l #	87
51) 4-Methyl-2-Pentanone	8.27	43	299501	266.479	ug/l	99
52) Toluene	7.64	92	217305	46.691	ug/l	100
53) t-1,3-Dichloropropene	8.29	75	137946	54.698	ug/l	99
54) cis-1,3-Dichloropropene	7.31	75	162681	52.106	ug/l	98
55) 1,1,2-Trichloroethane	8.51	97	74459	54.905	ug/l	97
56) Ethyl methacrylate	8.64	69	80259	53.275	ug/l	92
57) 1,3-Dichloropropane	8.87	76	129157	54.436	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.31	63	71535	464.234	ug/l	94
59) 2-Hexanone	9.50	43	248790	315.524	ug/l	98
60) Dibromochloromethane	8.73	129	105395	52.160	ug/l	99
61) 1,2-Dibromoethane	9.00	107	77681	53.024	ug/l	100
64) Tetrachloroethene	8.17	164	98012	50.568	ug/l	92
65) Chlorobenzene	9.81	112	267902	54.269	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.95	131	112814	53.158	ug/l	98
67) Ethyl Benzene	9.92	91	491572	53.488	ug/l	97
68) m/p-Xylenes	10.15	106	314108	95.028	ug/l	96
69) o-Xylene	10.73	106	186158	51.073	ug/l	91
70) Styrene	10.81	104	261530	51.761	ug/l	98
71) Bromoform	10.79	173	55927	54.558	ug/l	93
73) Isopropylbenzene	11.14	105	560329	54.369	ug/l	96
74) N-amyl acetate	11.39	43	133910	56.270	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.70	83	89896	53.001	ug/l	100
76) 1,2,3-Trichloropropane	11.81	75	68186	55.307	ug/l	98
77) Bromobenzene	11.51	156	116887	51.733	ug/l	86
78) n-propylbenzene	11.61	91	616919	51.116	ug/l	98
79) 2-Chlorotoluene	11.73	91	357959	51.726	ug/l	100
80) 1,3,5-Trimethylbenzene	11.83	105	436981	52.230	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.88	75	43279	71.647	ug/l	89
82) 4-Chlorotoluene	11.91	91	381808	52.427	ug/l	98
83) tert-Butylbenzene	12.14	119	460878	54.078	ug/l	96
84) 1,2,4-Trimethylbenzene	12.22	105	442518	52.996	ug/l	98
85) sec-Butylbenzene	12.32	105	613581	52.593	ug/l	100
86) p-Isopropyltoluene	12.47	119	514080	52.558	ug/l	99
87) 1,3-Dichlorobenzene	12.48	146	218386	50.813	ug/l	98
88) 1,4-Dichlorobenzene	12.58	146	220012	52.529	ug/l	97
89) n-Butylbenzene	12.86	91	539724	54.570	ug/l	98
90) Hexachloroethane	12.93	117	129728	55.078	ug/l	97
91) 1,2-Dichlorobenzene	12.96	146	216145	53.107	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.66	75	18066	55.091	ug/l	94

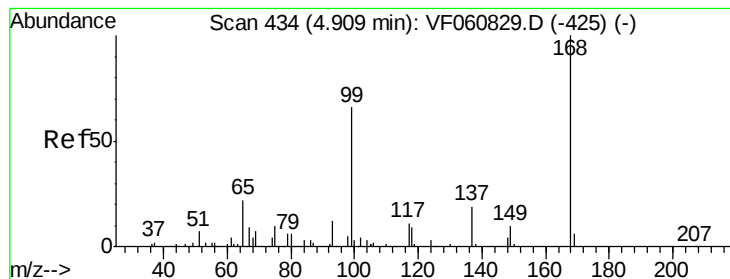
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Quant Title : SW846 8260
QLast Update : Tue Nov 27 01:36:26 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.21	180	155568	54.704	ug/l	99
94) Hexachlorobutadiene	14.20	225	106967	56.425	ug/l	98
95) Naphthalene	14.47	128	299786	54.637	ug/l	98
96) 1,2,3-Trichlorobenzene	14.61	180	144107	54.575	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.89 min Scan# 432

Delta R.T. -0.02 min

Lab File: VF061035.D

Acq: 17 Dec 2018 11:59

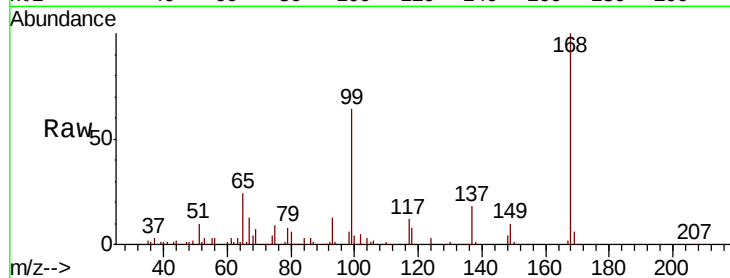
Instrument :
MSVOA_F
ClientSampled :

Tot Ion:168 Resp: 169421

Ion Ratio Lower Upper

168 100

99 64.5 52.6 79.0



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.89

60000

50000

40000

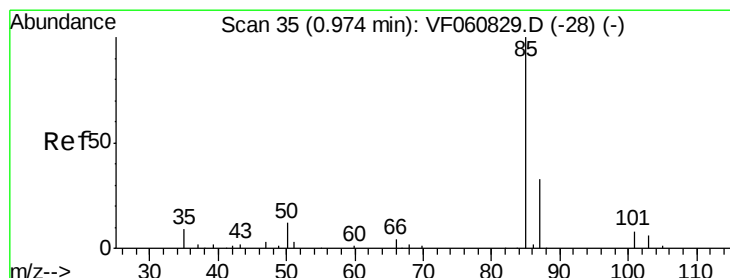
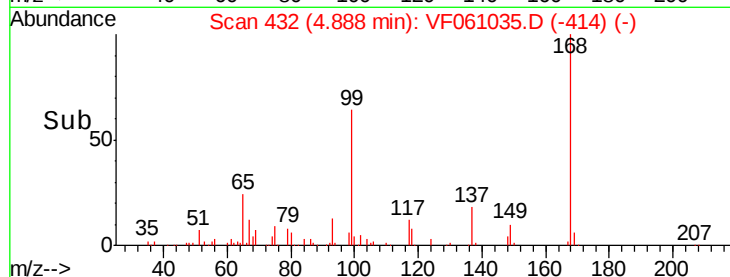
30000

20000

10000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 42.429 ug/l

RT: 0.96 min Scan# 34

Delta R.T. -0.01 min

Lab File: VF061035.D

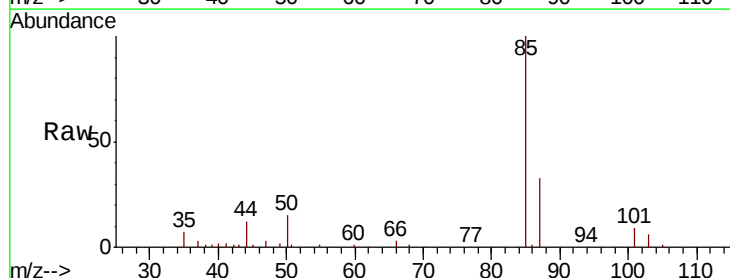
Acq: 17 Dec 2018 11:59

Tgt Ion: 85 Resp: 107482

Ion Ratio Lower Upper

85 100

87 32.6 16.7 50.0



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

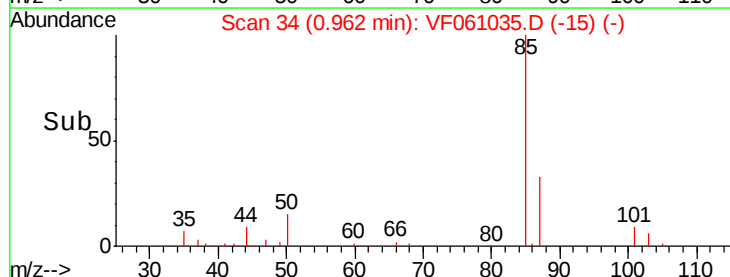
30000

20000

10000

0

Time-->





#3

Chloromethane

Concen: 44.689 ug/l

RT: 1.10 min Scan# 48

Delta R.T. -0.00 min

Lab File: VF061035.D

Acq: 17 Dec 2018 11:59

Instrument :

MSVOA_F

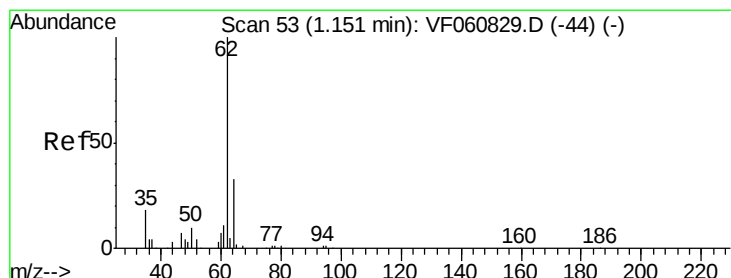
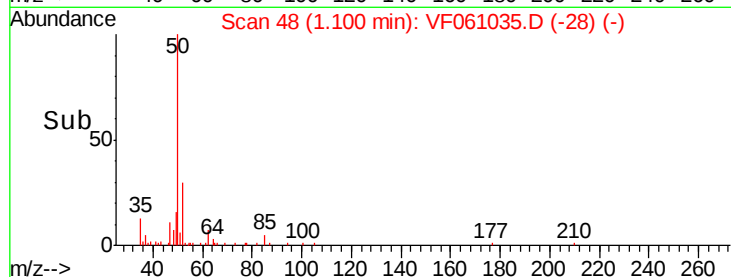
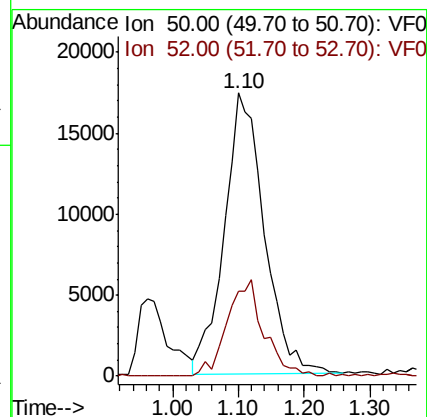
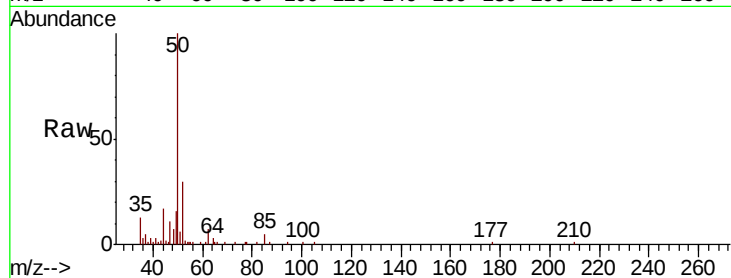
ClientSampled :

Tot Ion: 50 Resp: 73665

Ion Ratio Lower Upper

50 100

52 30.0 27.0 40.4



#4

Vinyl Chloride

Concen: 48.719 ug/l

RT: 1.14 min Scan# 52

Delta R.T. -0.01 min

Lab File: VF061035.D

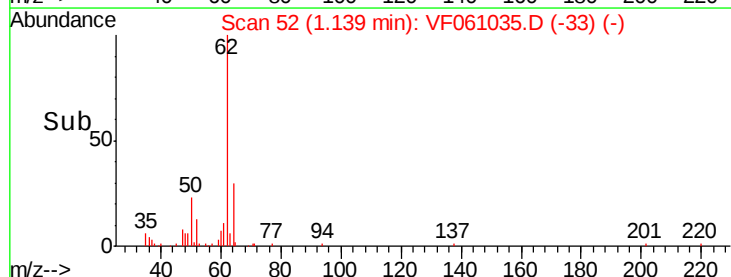
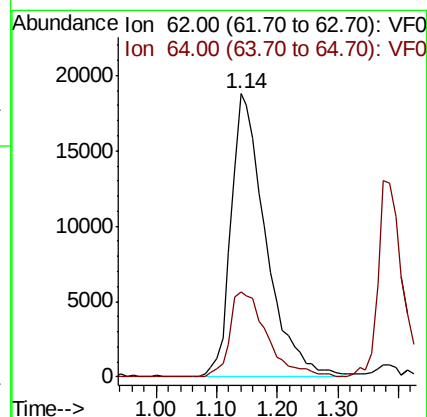
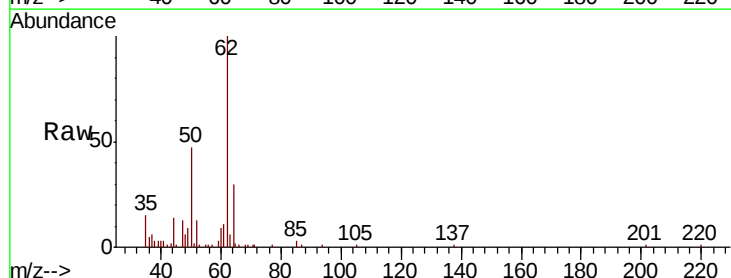
Acq: 17 Dec 2018 11:59

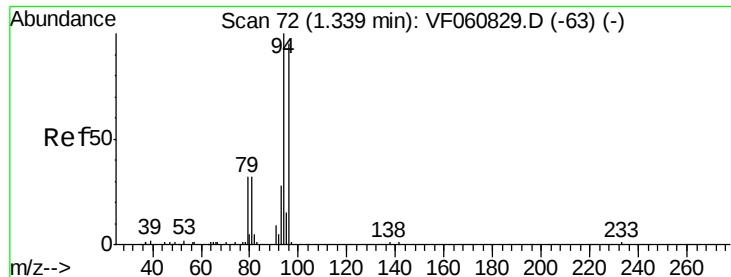
Tgt Ion: 62 Resp: 74910

Ion Ratio Lower Upper

62 100

64 30.2 26.4 39.6





#5

Bromomethane

Concen: 49.204 ug/l

RT: 1.35 min Scan# 73

Delta R.T. 0.01 min

Lab File: VF061035.D

Acq: 17 Dec 2018 11:59

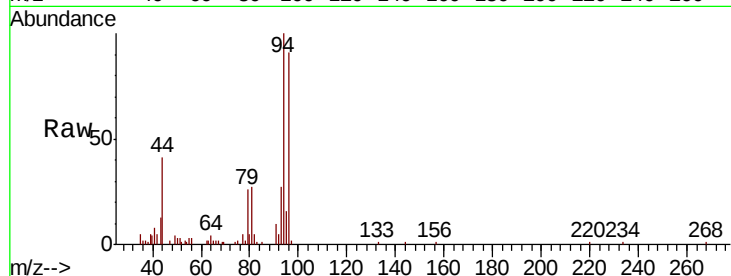
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 94 Resp: 53347

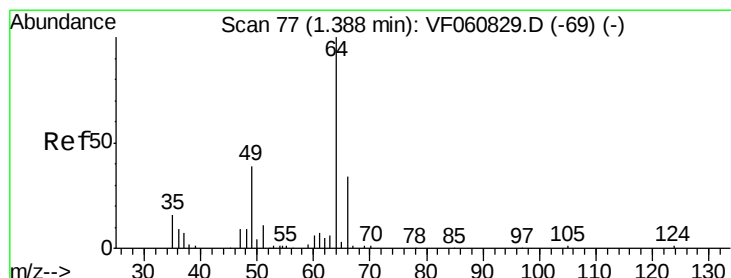
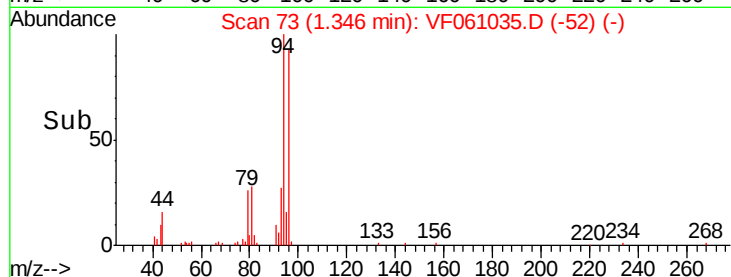
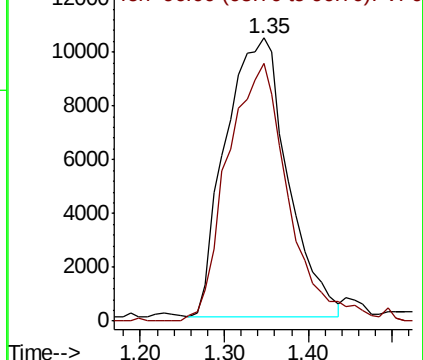
Ion Ratio Lower Upper

94 100

96 91.3 75.9 113.9



Abundance Ion 94.00 (93.70 to 94.70): VF0
Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 54.733 ug/l

RT: 1.38 min Scan# 76

Delta R.T. -0.01 min

Lab File: VF061035.D

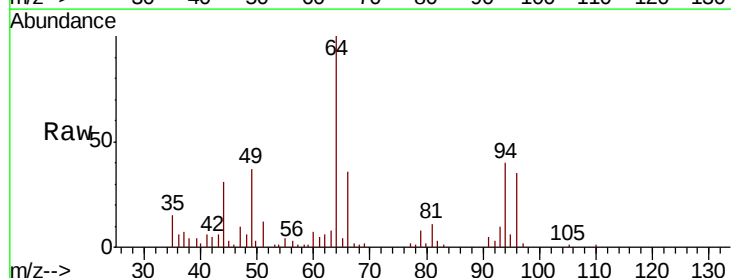
Acq: 17 Dec 2018 11:59

Tgt Ion: 64 Resp: 36378

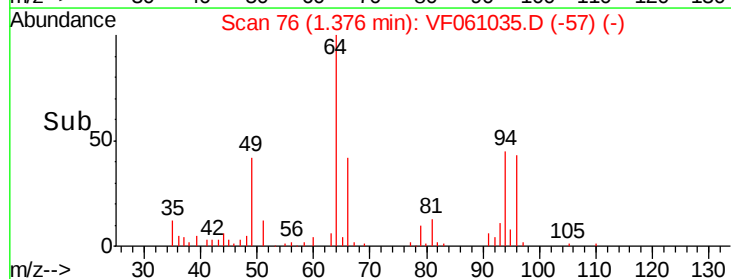
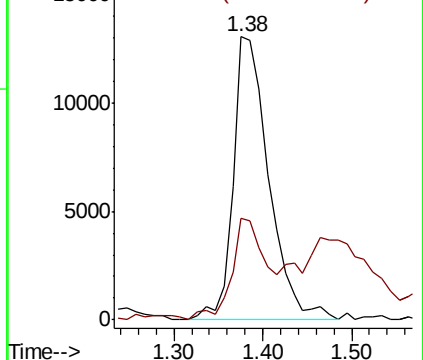
Ion Ratio Lower Upper

64 100

66 35.7 28.1 42.1



Abundance Ion 64.00 (63.70 to 64.70): VF0
Ion 66.00 (65.70 to 66.70): VF0



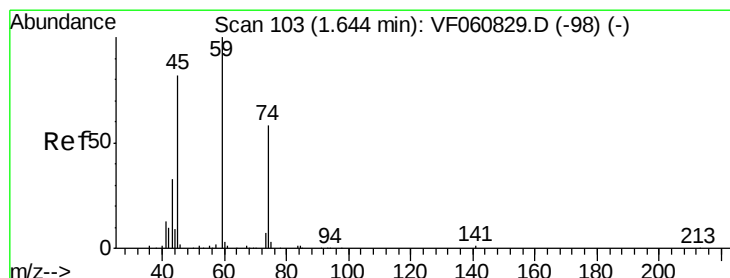
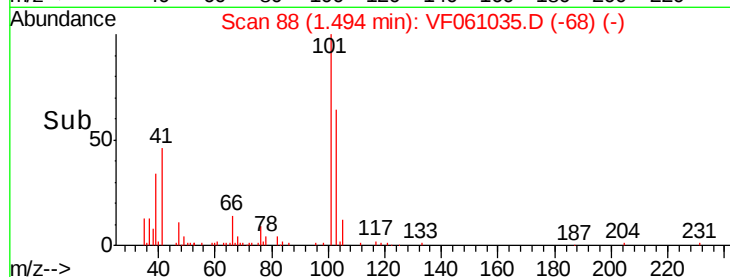
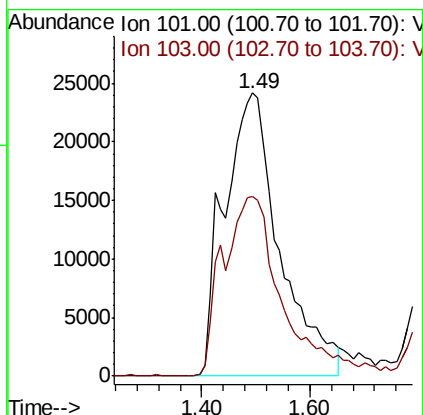
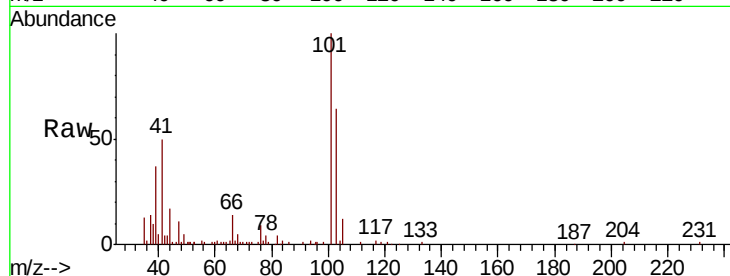


#7

Trichlorofluoromethane
Concen: 52.266 ug/l
RT: 1.49 min Scan# 88
Delta R.T. -0.00 min
Lab File: VF061035.D
Acq: 17 Dec 2018 11:59

Instrument :
MSVOA_F
ClientSampleId :

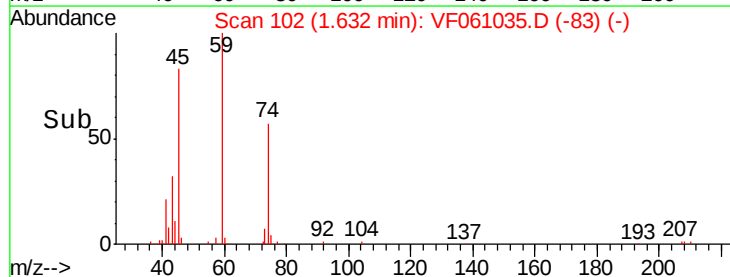
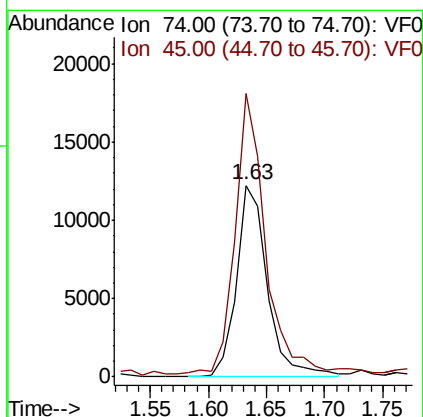
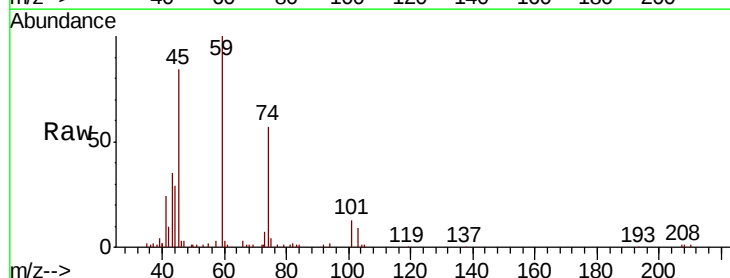
Tot Ion:101 Resp: 172425
Ion Ratio Lower Upper
101 100
103 63.6 55.4 83.0



#8

Diethyl Ether
Concen: 47.416 ug/l
RT: 1.63 min Scan# 102
Delta R.T. -0.01 min
Lab File: VF061035.D
Acq: 17 Dec 2018 11:59

Tgt Ion: 74 Resp: 22494
Ion Ratio Lower Upper
74 100
45 147.7 71.0 212.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.559 ug/l

RT: 1.83 min Scan# 122

Delta R.T. -0.00 min

Lab File: VF061035.D

Acq: 17 Dec 2018 11:59

Instrument :

MSVOA_F

ClientSampleId :

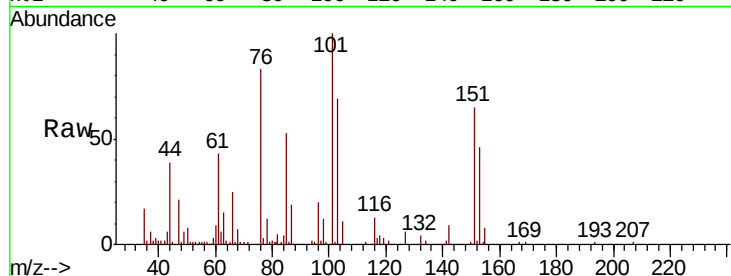
Tot Ion:101 Resp: 89327

Ion Ratio Lower Upper

101 100

85 52.6 42.8 64.2

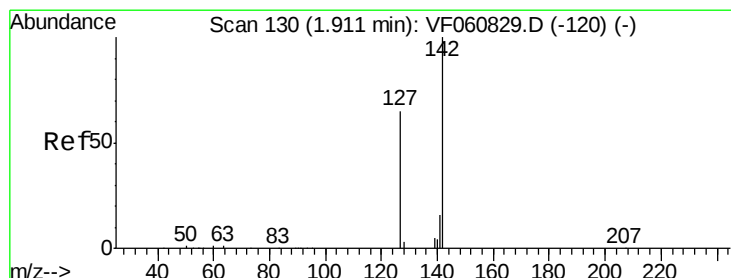
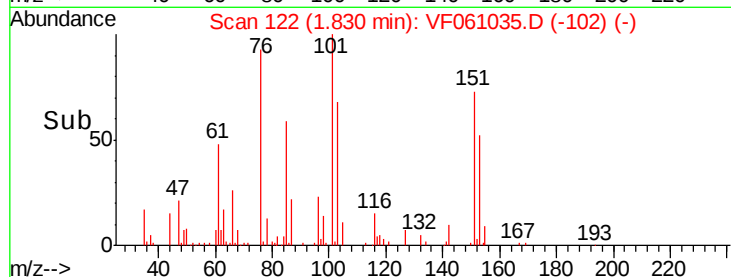
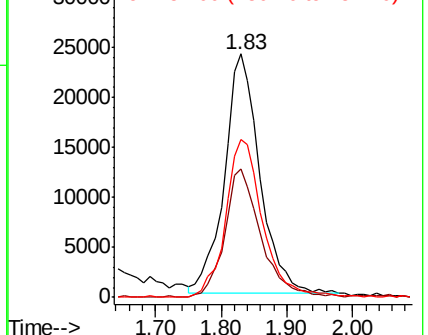
151 64.8 54.4 81.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 41.727 ug/l

RT: 1.90 min Scan# 129

Delta R.T. -0.01 min

Lab File: VF061035.D

Acq: 17 Dec 2018 11:59

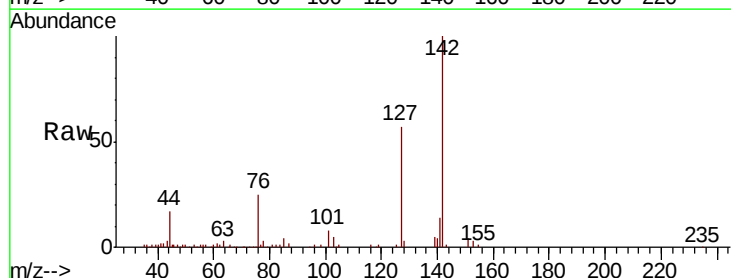
Tgt Ion:142 Resp: 105782

Ion Ratio Lower Upper

142 100

127 57.1 51.9 77.9

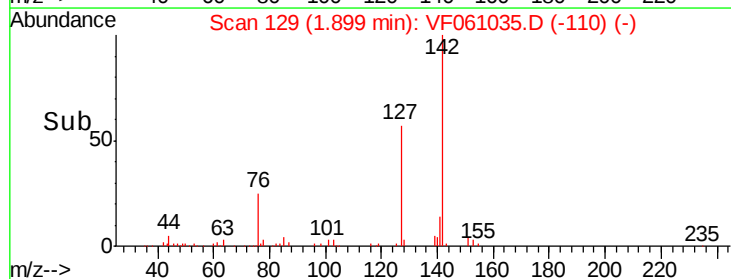
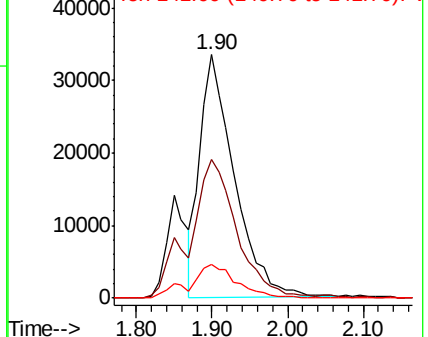
141 14.1 12.7 19.1

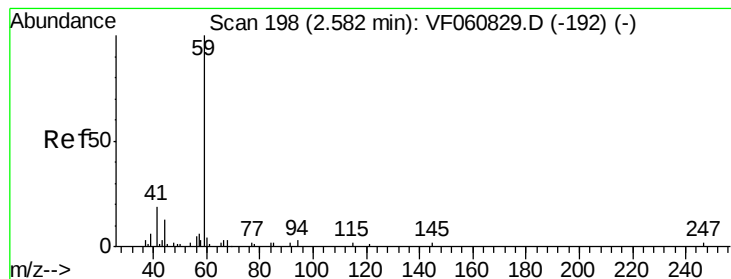


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



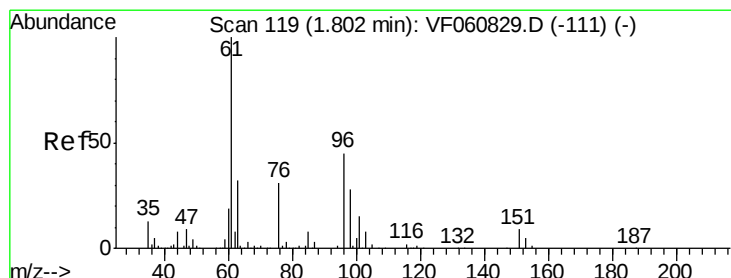
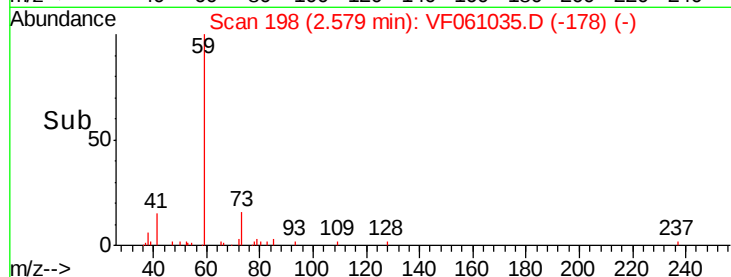
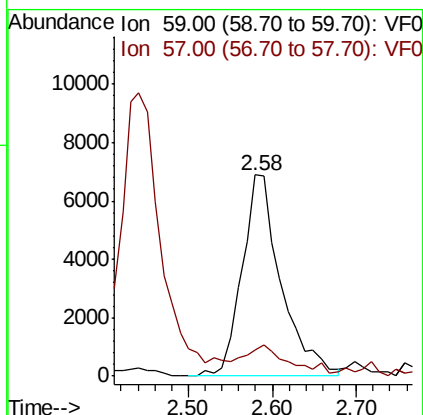
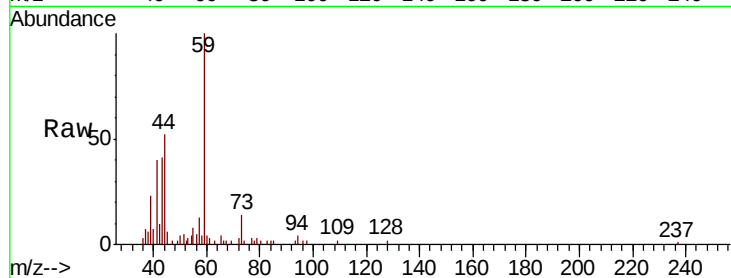


#11

Tert butyl alcohol
 Concen: 273.681 ug/l
 RT: 2.58 min Scan# 198
 Delta R.T. -0.00 min
 Lab File: VF061035.D
 Acq: 17 Dec 2018 11:59

Instrument :
 MSVOA_F
 ClientSampled :

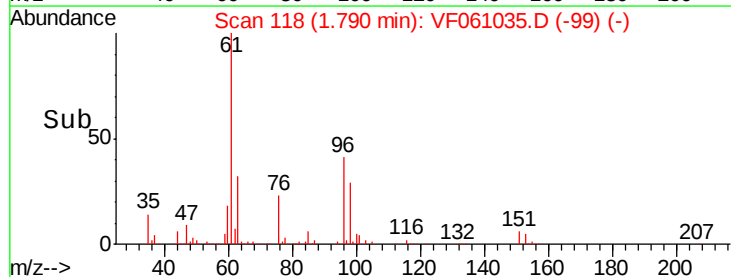
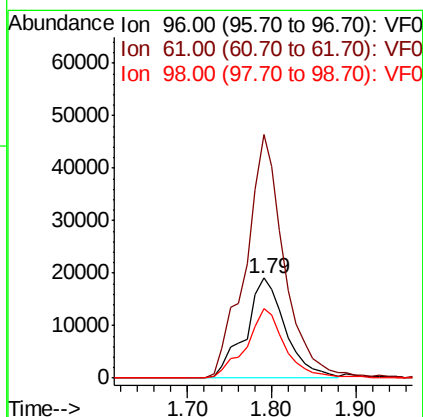
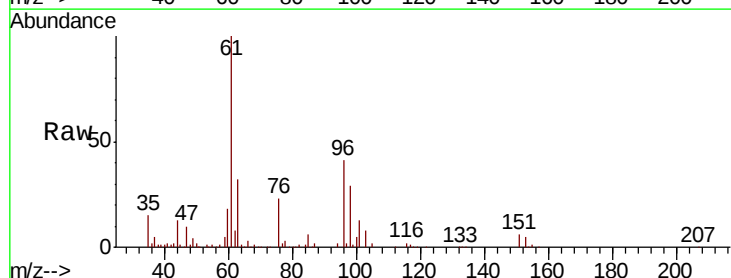
Tot Ion: 59 Resp: 22391
 Ion Ratio Lower Upper
 59 100
 57 13.3 12.7 19.1

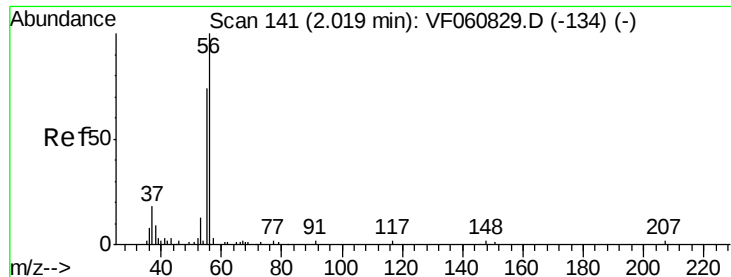


#12

1,1-Dichloroethene
 Concen: 47.401 ug/l
 RT: 1.79 min Scan# 118
 Delta R.T. -0.01 min
 Lab File: VF061035.D
 Acq: 17 Dec 2018 11:59

Tgt Ion: 96 Resp: 63588
 Ion Ratio Lower Upper
 96 100
 61 244.3 177.3 265.9
 98 70.2 49.6 74.4





#13

Acrolein

Concen: 243.472 ug/l

RT: 2.01 min Scan# 140

Delta R.T. -0.01 min

Lab File: VF061035.D

Acq: 17 Dec 2018 11:59

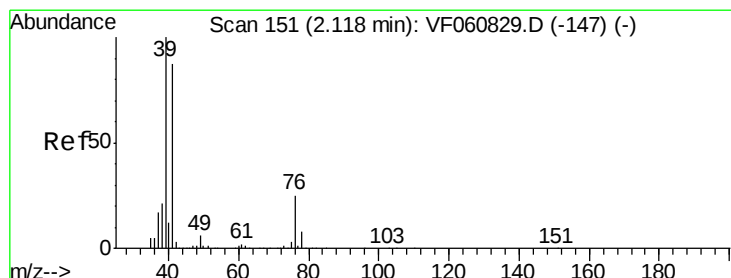
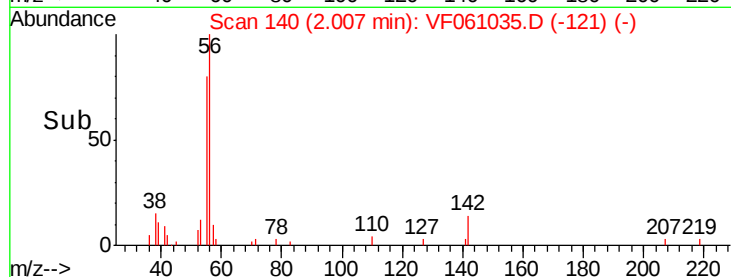
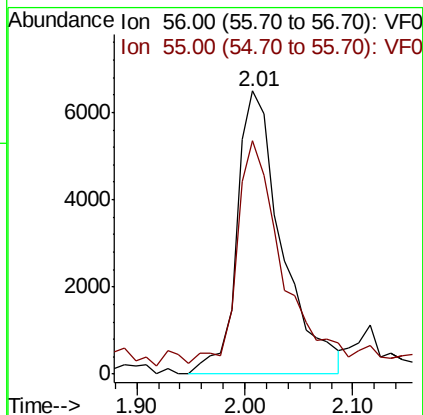
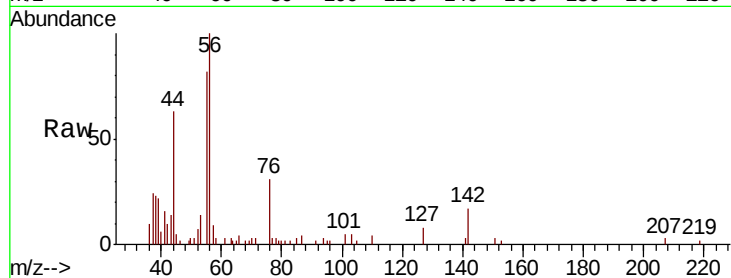
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 56 Resp: 18873

Ion Ratio Lower Upper

56 100

55 82.3 61.2 91.8



#14

Allyl chloride

Concen: 55.137 ug/l

RT: 2.11 min Scan# 150

Delta R.T. -0.01 min

Lab File: VF061035.D

Acq: 17 Dec 2018 11:59

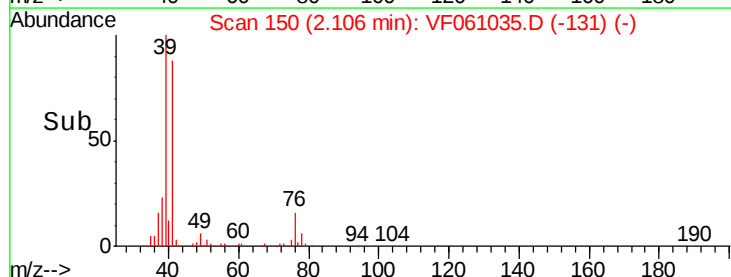
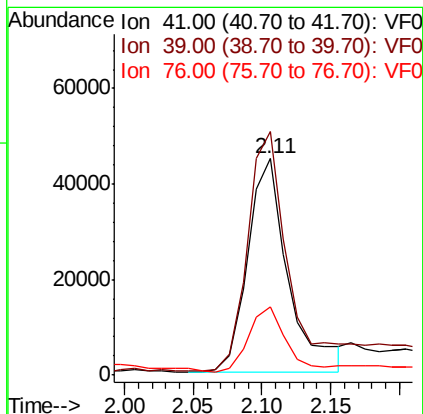
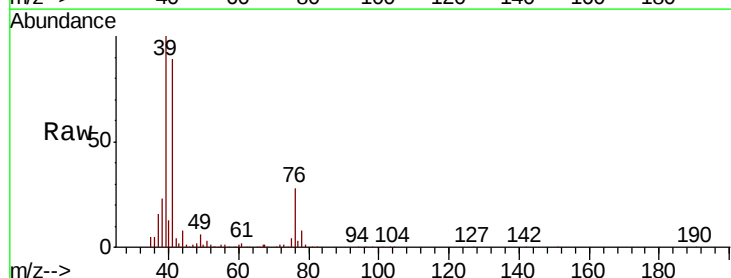
Tgt Ion: 41 Resp: 92191

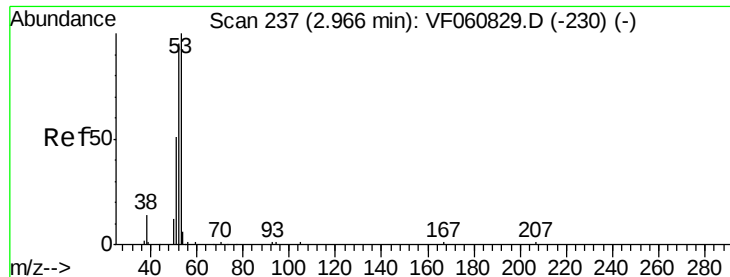
Ion Ratio Lower Upper

41 100

39 112.6 91.7 137.5

76 31.4 23.5 35.3





#15

Acrylonitrile

Concen: 272.690 ug/l

RT: 2.95 min Scan# 236

Delta R.T. -0.01 min

Lab File: VF061035.D

Acq: 17 Dec 2018 11:59

Instrument :

MSVOA_F

ClientSampleId :

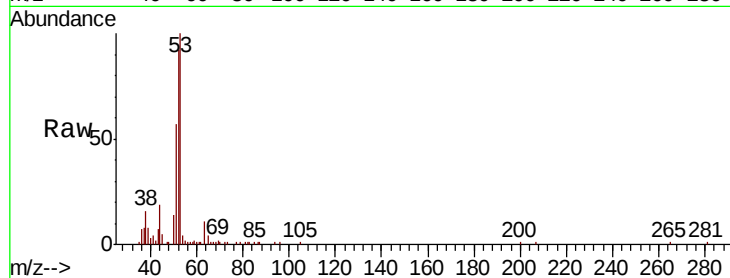
Tot Ion: 53 Resp: 50017

Ion Ratio Lower Upper

53 100

52 92.3 76.5 114.7

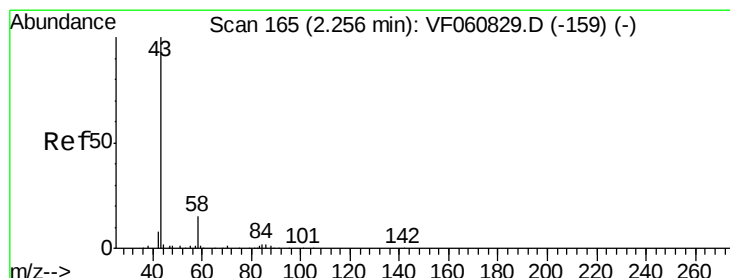
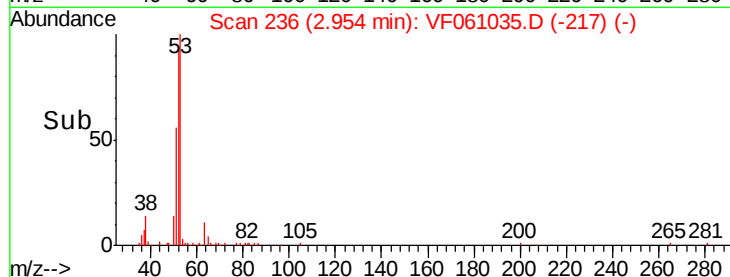
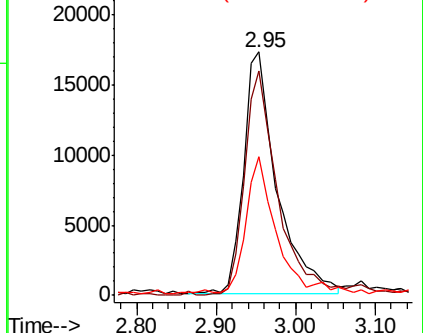
51 56.7 40.7 61.1



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: 358.205 ug/l

RT: 2.24 min Scan# 164

Delta R.T. -0.01 min

Lab File: VF061035.D

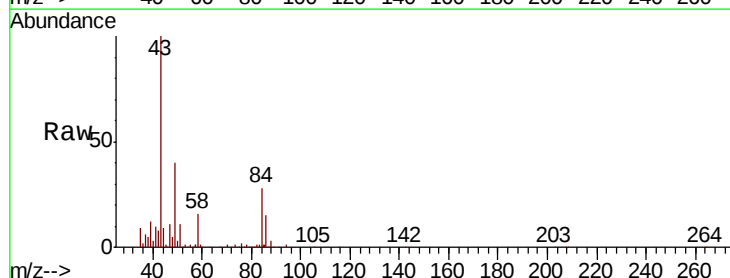
Acq: 17 Dec 2018 11:59

Tgt Ion: 43 Resp: 131835

Ion Ratio Lower Upper

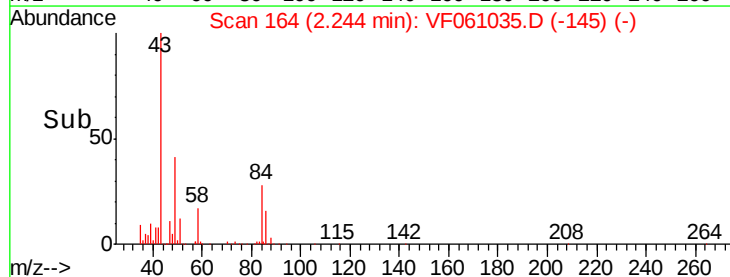
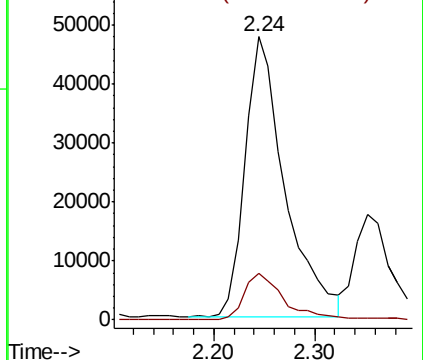
43 100

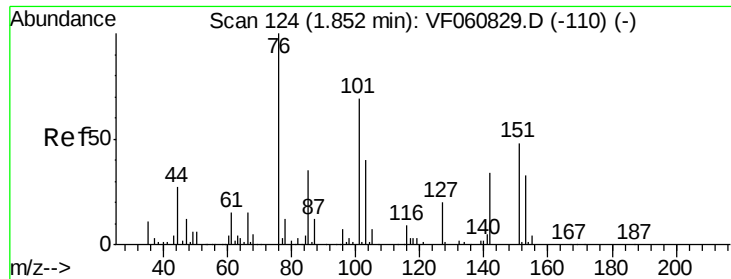
58 16.4 11.4 17.2



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

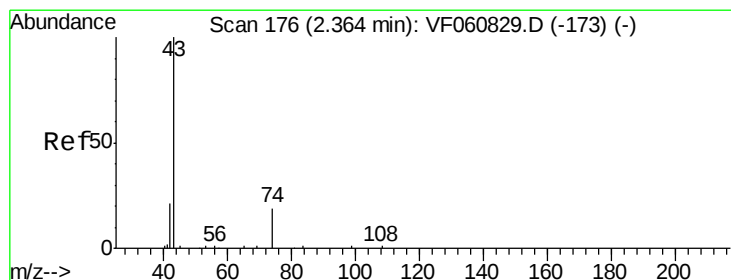
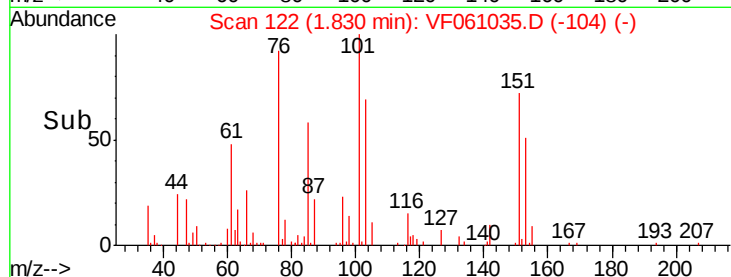
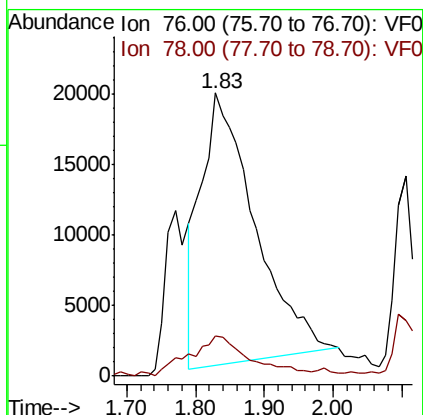
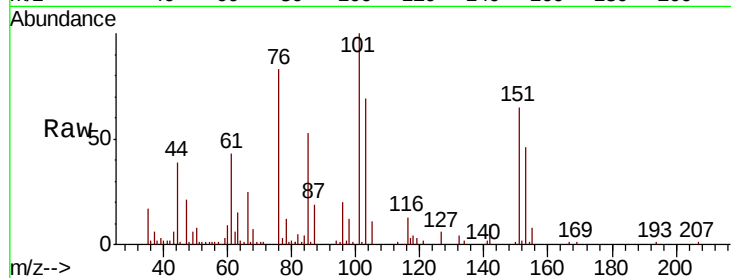




#17
Carbon Disulfide
Concen: 29.175 ug/l
RT: 1.83 min Scan# 122
Delta R.T. -0.02 min
Lab File: VF061035.D
Acq: 17 Dec 2018 11:59

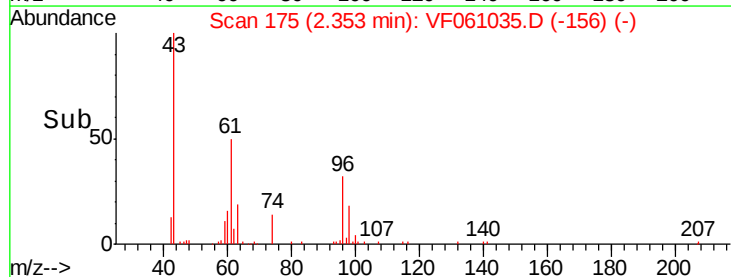
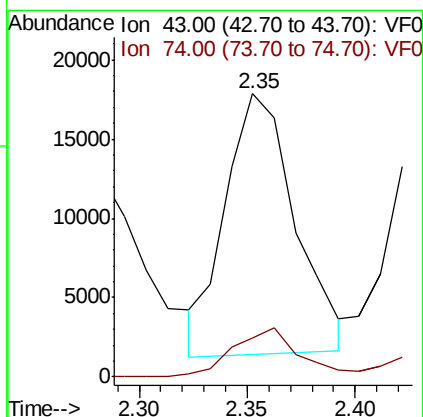
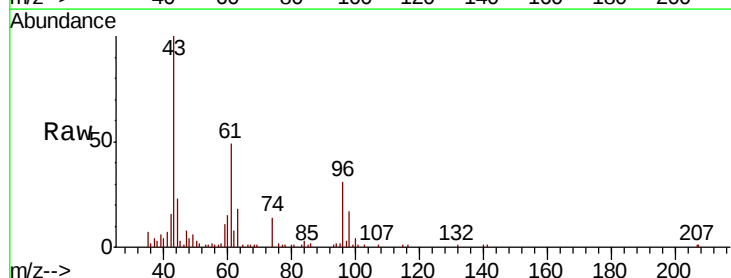
Instrument :
MSVOA_F
ClientSampled :

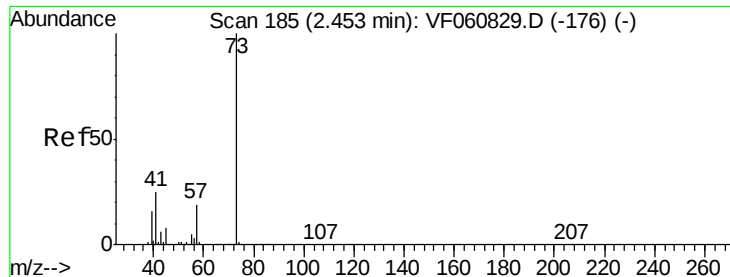
Tot Ion: 76 Resp: 104940
Ion Ratio Lower Upper
76 100
78 14.3 10.2 15.2



#18
Methyl Acetate
Concen: 60.002 ug/l
RT: 2.35 min Scan# 175
Delta R.T. -0.01 min
Lab File: VF061035.D
Acq: 17 Dec 2018 11:59

Tgt Ion: 43 Resp: 36845
Ion Ratio Lower Upper
43 100
74 13.9 13.3 19.9



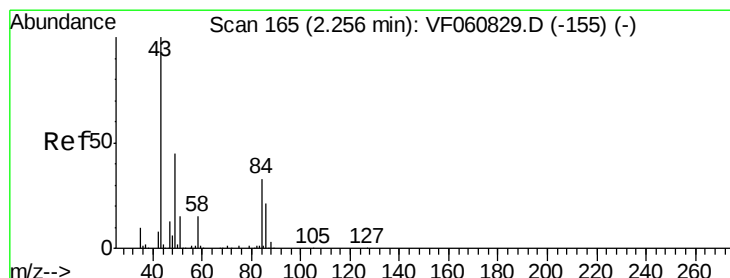
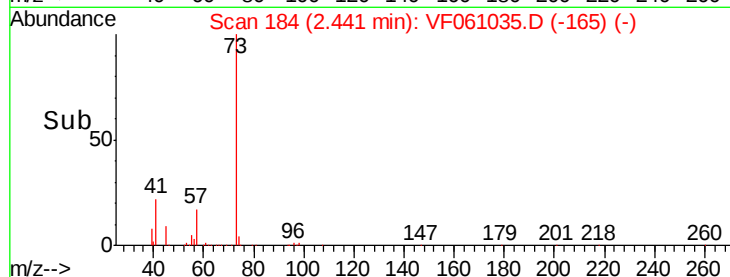
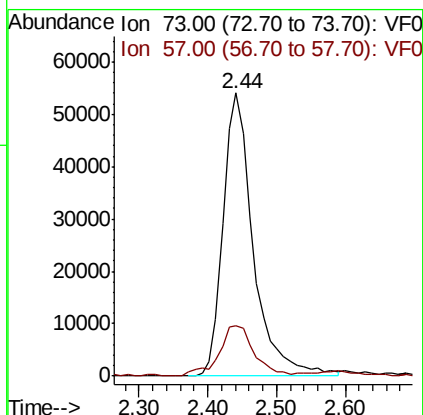
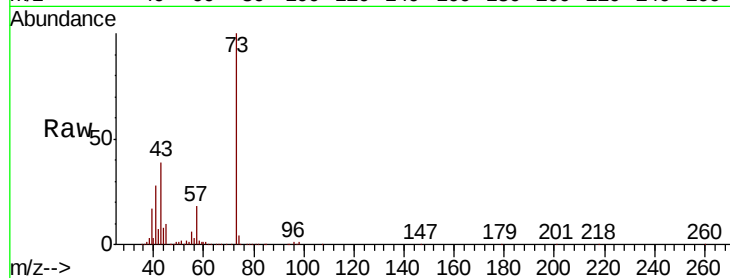


#19

Methyl tert-butyl Ether
 Concen: 54.489 ug/l
 RT: 2.44 min Scan# 184
 Delta R.T. -0.01 min
 Lab File: VF061035.D
 Acq: 17 Dec 2018 11:59

Instrument :
 MSVOA_F
 ClientSampleId :

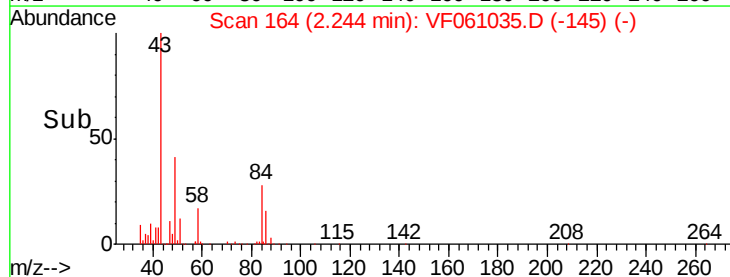
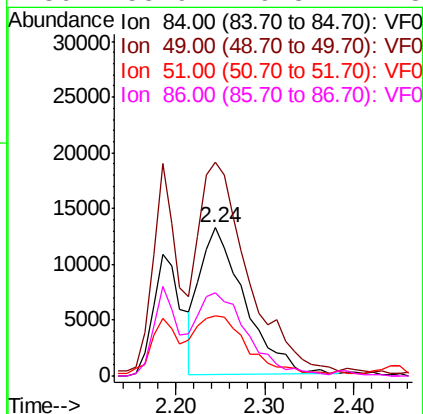
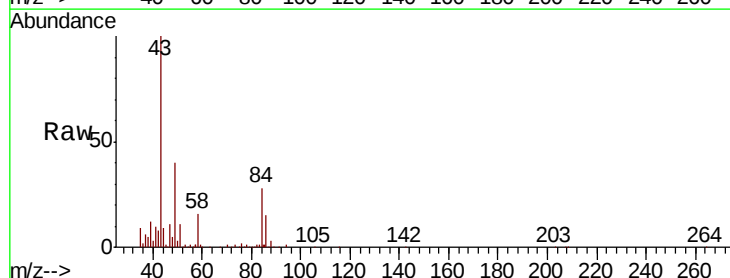
Tot Ion: 73 Resp: 164633
 Ion Ratio Lower Upper
 73 100
 57 17.9 15.3 22.9

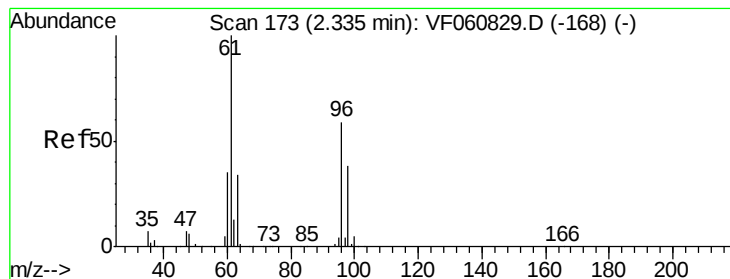


#20

Methylene Chloride
 Concen: 34.363 ug/l
 RT: 2.24 min Scan# 164
 Delta R.T. -0.01 min
 Lab File: VF061035.D
 Acq: 17 Dec 2018 11:59

Tgt Ion: 84 Resp: 46397
 Ion Ratio Lower Upper
 84 100
 49 144.0 111.3 166.9
 51 40.9 38.0 57.0
 86 55.9 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 52.959 ug/l

RT: 2.31 min Scan# 171

Delta R.T. -0.02 min

Lab File: VF061035.D

Acq: 17 Dec 2018 11:59

Instrument :

MSVOA_F

ClientSampleId :

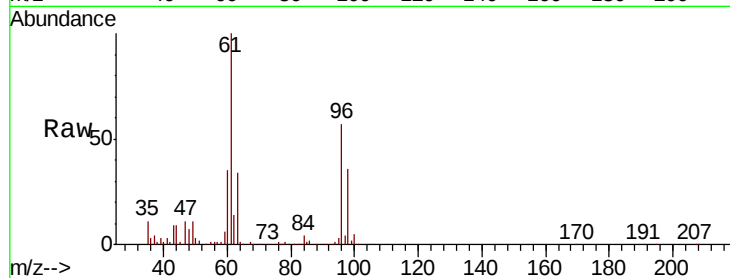
Tot Ion: 96 Resp: 68492

Ion Ratio Lower Upper

96 100

61 176.7 134.5 201.7

98 63.6 51.6 77.4

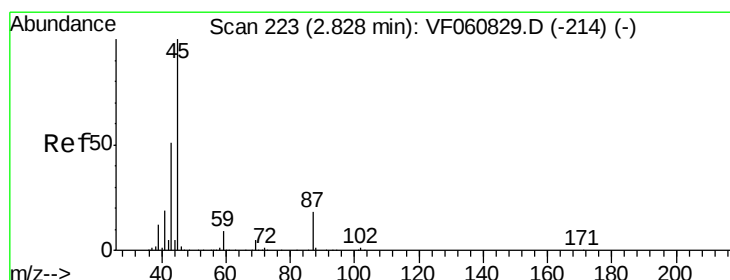
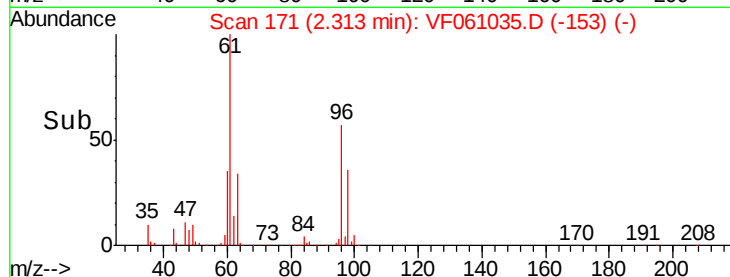
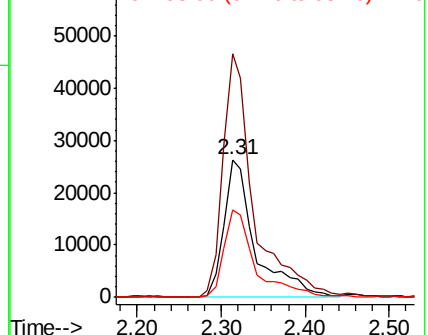


Abundance

Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#22

Diisopropyl ether

Concen: 54.676 ug/l

RT: 2.82 min Scan# 222

Delta R.T. -0.01 min

Lab File: VF061035.D

Acq: 17 Dec 2018 11:59

Tgt Ion: 45 Resp: 248844

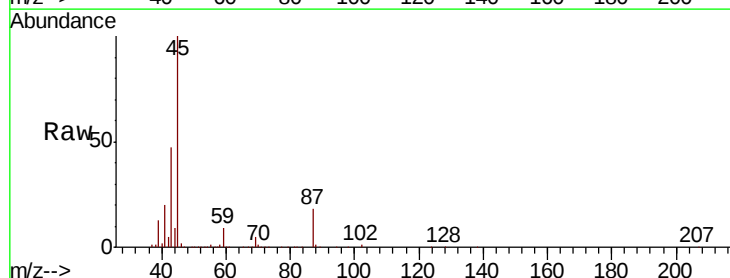
Ion Ratio Lower Upper

45 100

43 47.3 41.0 61.6

87 18.1 14.6 22.0

59 9.2 7.5 11.3



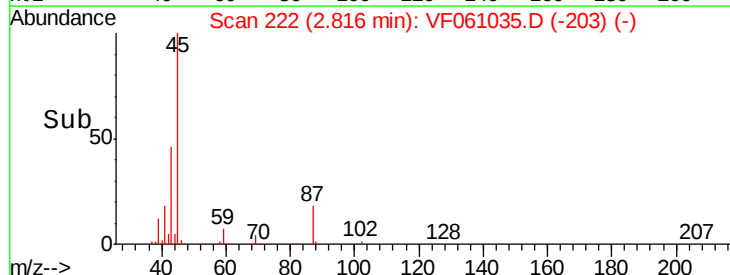
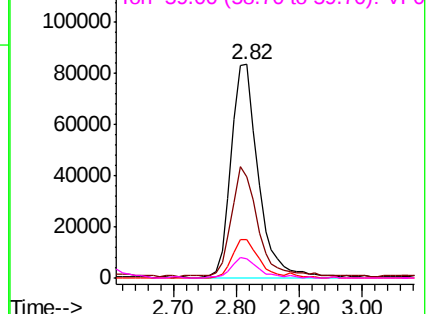
Abundance

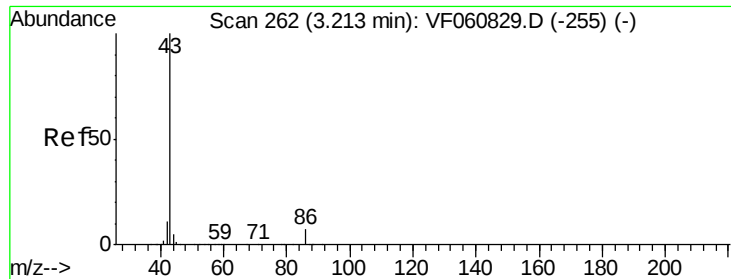
Ion 45.00 (44.70 to 45.70): VF0

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: 283.172 ug/l

RT: 3.20 min Scan# 261

Delta R.T. -0.01 min

Lab File: VF061035.D

Acq: 17 Dec 2018 11:59

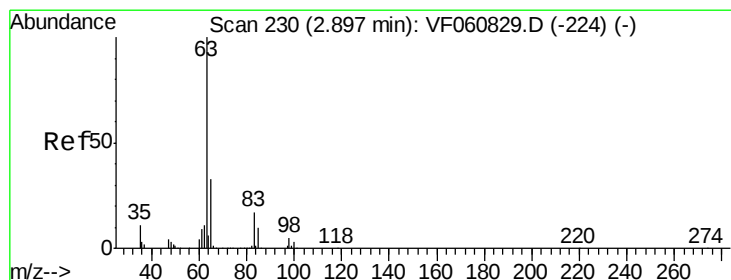
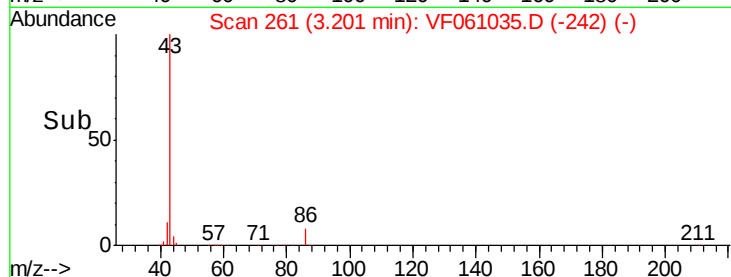
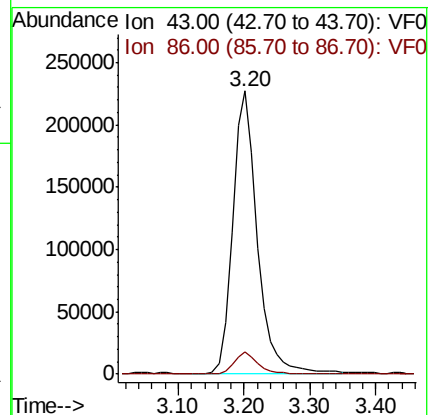
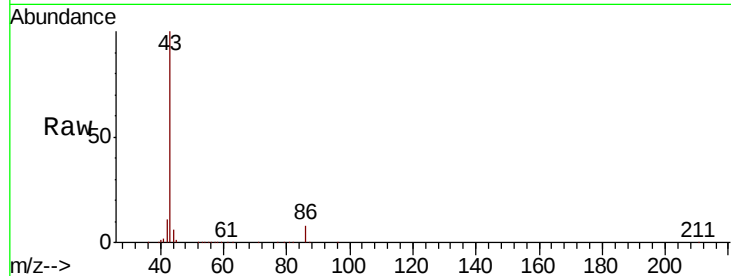
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 589122

Ion Ratio Lower Upper

43 100

86 7.7 5.4 8.0



#24

1,1-Dichloroethane

Concen: 56.577 ug/l

RT: 2.89 min Scan# 229

Delta R.T. -0.01 min

Lab File: VF061035.D

Acq: 17 Dec 2018 11:59

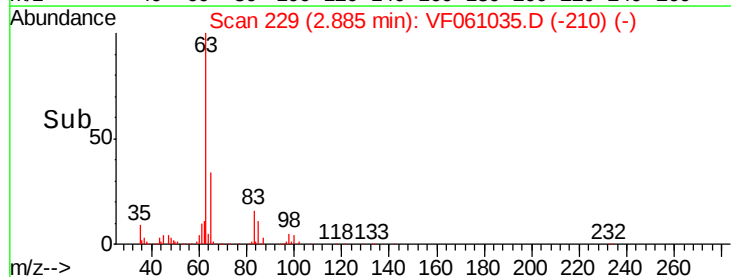
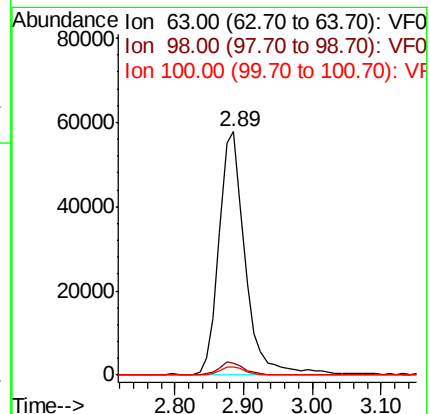
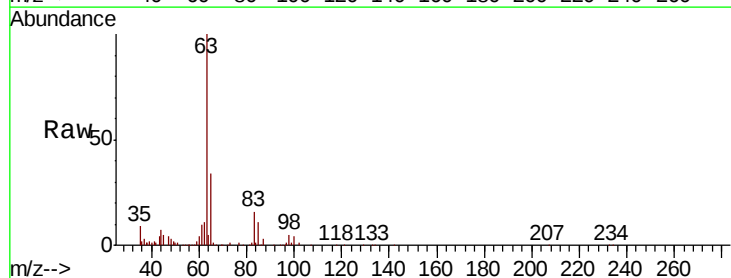
Tgt Ion: 63 Resp: 153203

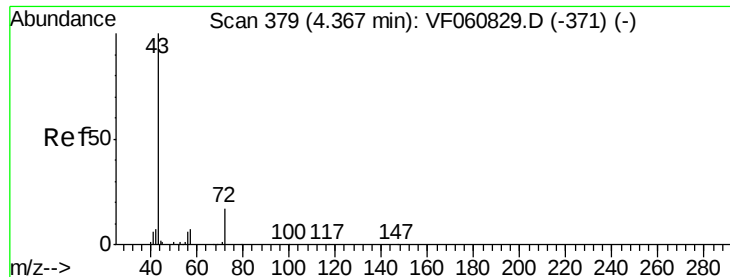
Ion Ratio Lower Upper

63 100

98 4.9 2.7 8.1

100 3.6 1.5 4.5





#25

2-Butanone

Concen: 284.387 ug/l

RT: 4.35 min Scan# 377

Delta R.T. -0.02 min

Lab File: VF061035.D

Acq: 17 Dec 2018 11:59

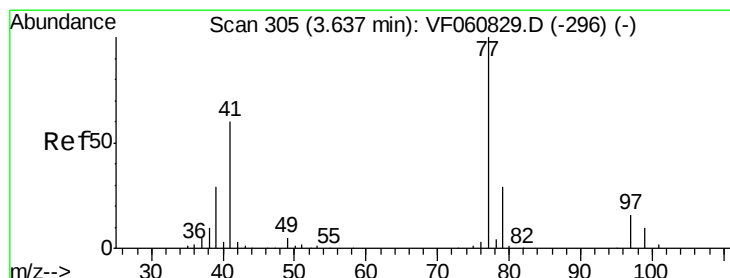
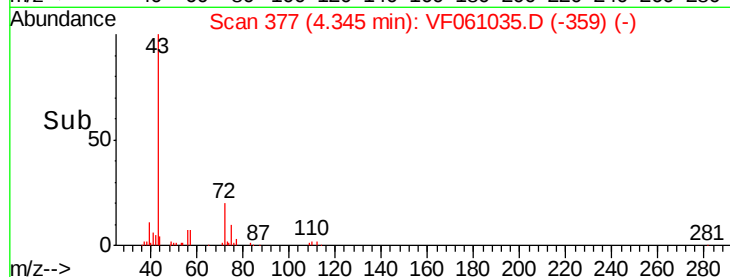
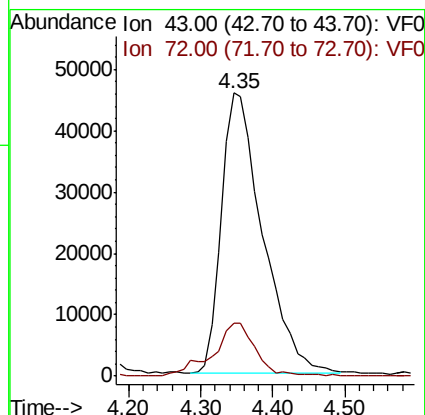
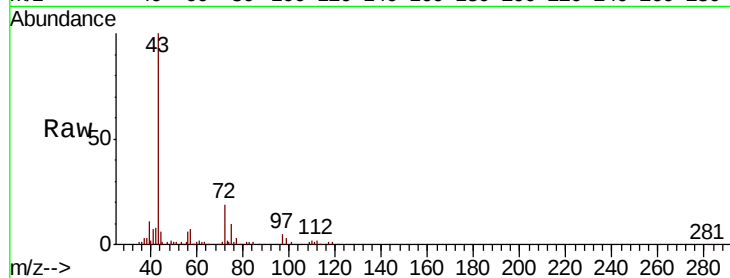
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 181037

Ion Ratio Lower Upper

43 100

72 18.6 15.4 23.2



#26

2,2-Dichloropropane

Concen: 54.176 ug/l

RT: 3.61 min Scan# 302

Delta R.T. -0.03 min

Lab File: VF061035.D

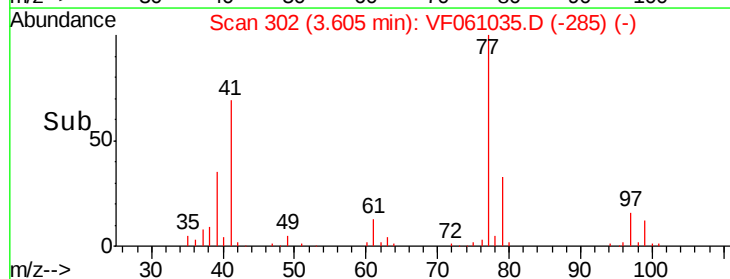
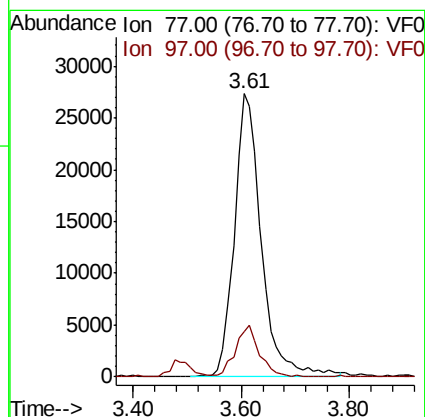
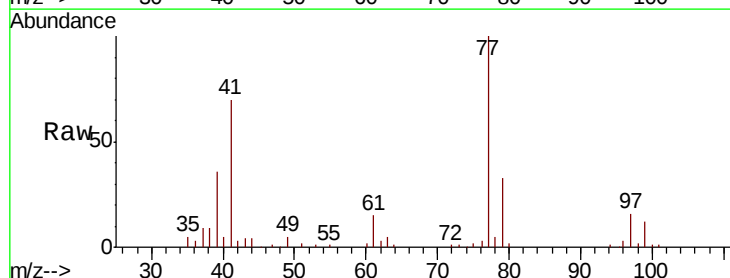
Acq: 17 Dec 2018 11:59

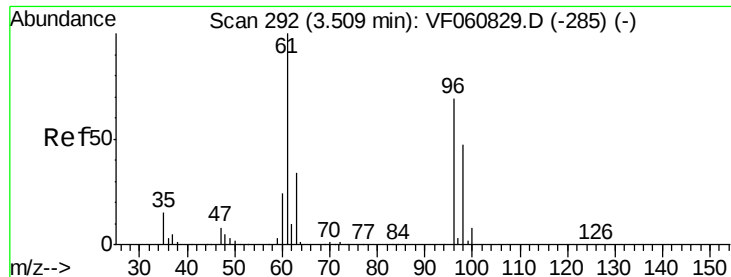
Tgt Ion: 77 Resp: 95107

Ion Ratio Lower Upper

77 100

97 16.1 8.6 25.8



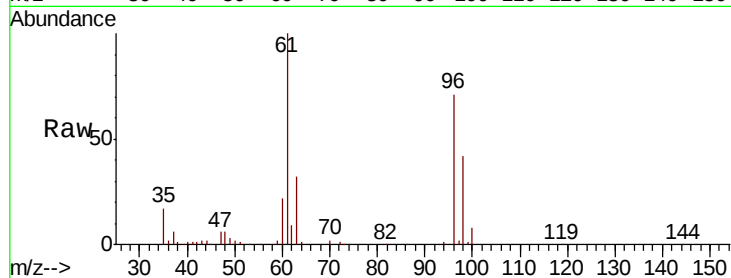


#27

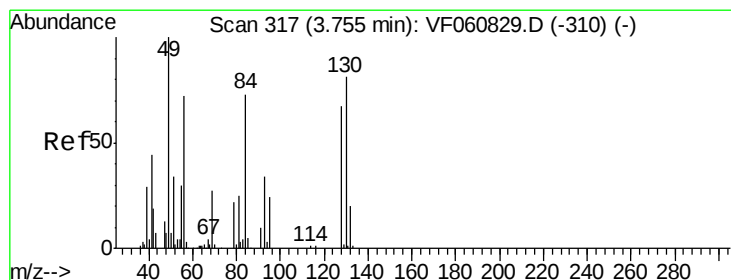
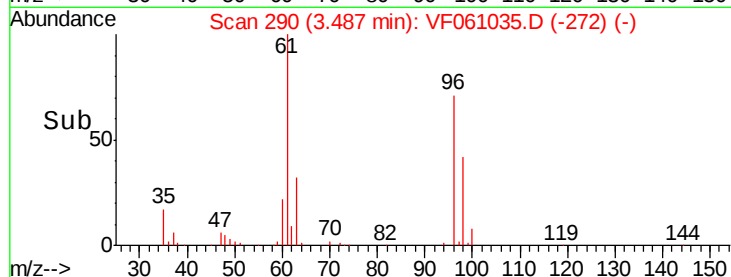
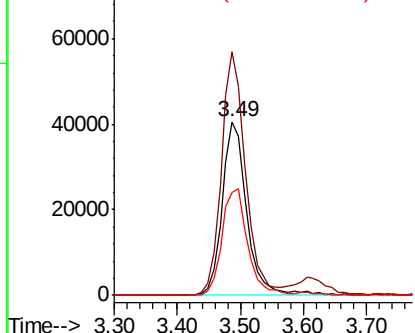
cis-1,2-Dichloroethene
Concen: 52.265 ug/l
RT: 3.49 min Scan# 290
Delta R.T. -0.02 min
Lab File: VF061035.D
Acq: 17 Dec 2018 11:59

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
96	100		
61	140.4	0.0	290.6
98	59.3	0.0	137.8



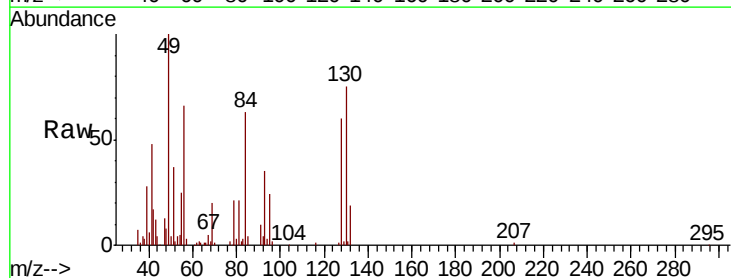
Abundance Ion 96.00 (95.70 to 96.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 98.00 (97.70 to 98.70): VF0



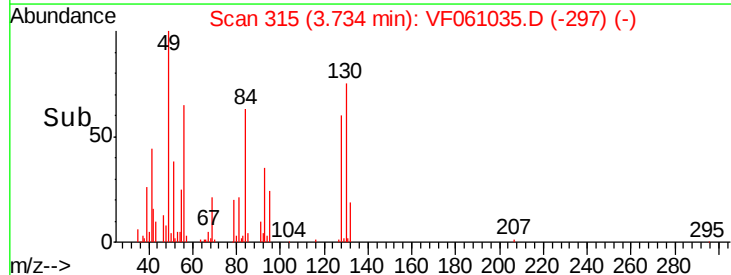
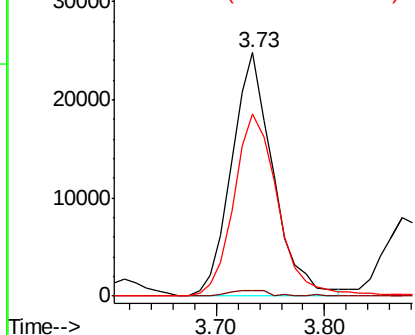
#28

Bromochloromethane
Concen: 51.021 ug/l
RT: 3.73 min Scan# 315
Delta R.T. -0.02 min
Lab File: VF061035.D
Acq: 17 Dec 2018 11:59

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.4
130	75.0	64.2	96.4



Abundance Ion 49.00 (48.70 to 49.70): VF0
Ion 129.00 (128.70 to 129.70): V
Ion 130.00 (129.70 to 130.70): V





#29

Tetrahydrofuran

Concen: 254.529 ug/l

RT: 4.09 min Scan# 351

Delta R.T. -0.02 min

Lab File: VF061035.D

Acq: 17 Dec 2018 11:59

Instrument :

MSVOA_F

ClientSampled :

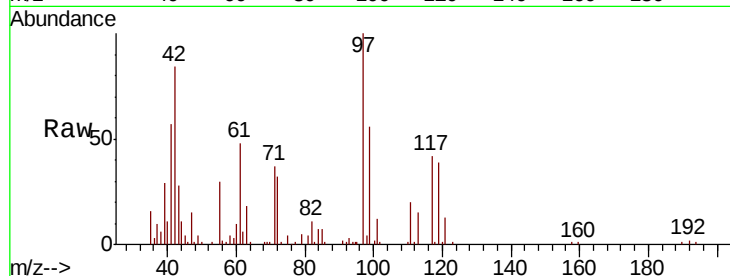
Tot Ion: 42 Resp: 68682

Ion Ratio Lower Upper

42 100

72 36.3 31.9 47.9

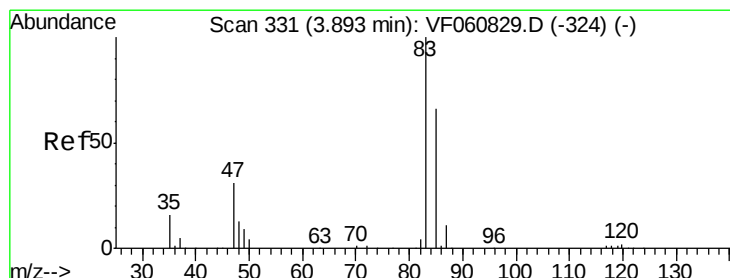
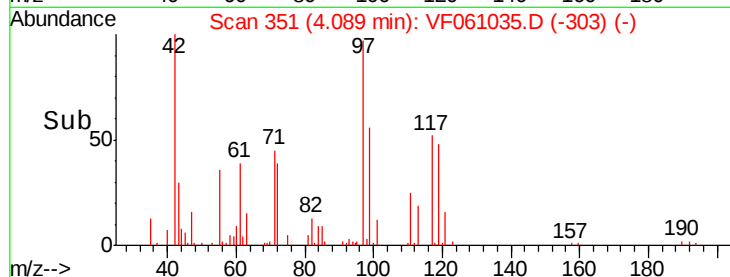
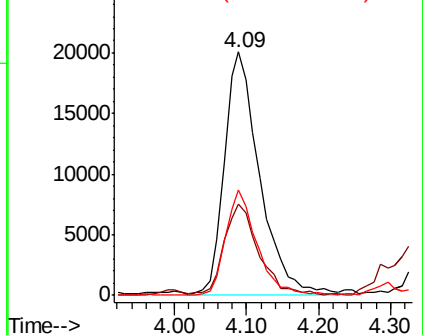
71 38.3 28.7 43.1



Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0



#30

Chloroform

Concen: 53.518 ug/l

RT: 3.87 min Scan# 329

Delta R.T. -0.02 min

Lab File: VF061035.D

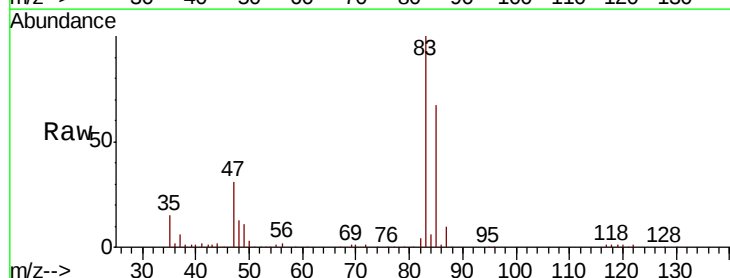
Acq: 17 Dec 2018 11:59

Tgt Ion: 83 Resp: 223038

Ion Ratio Lower Upper

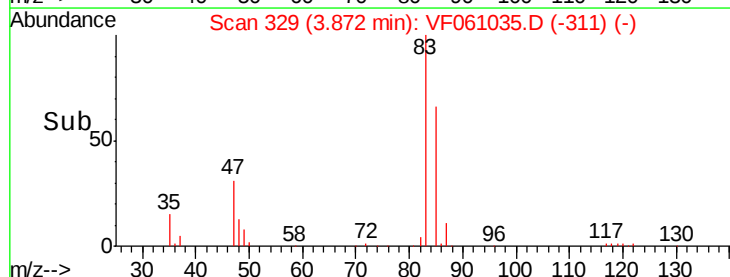
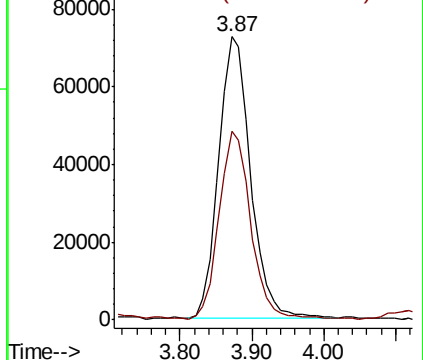
83 100

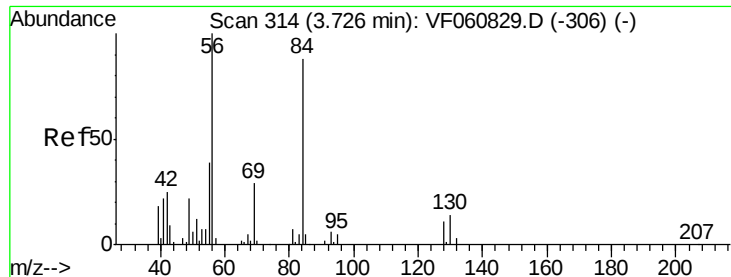
85 66.5 53.4 80.2



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0





#31

Cvclohexane

Concen: 46.092 ug/l

RT: 3.70 min Scan# 312

Delta R.T. -0.02 min

Lab File: VF061035.D

Acq: 17 Dec 2018 11:59

Instrument :
MSVOA_F
ClientSampleId :

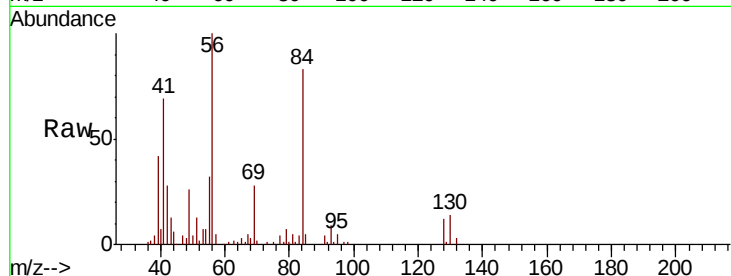
Tot Ion: 56 Resp: 129529

Ion Ratio Lower Upper

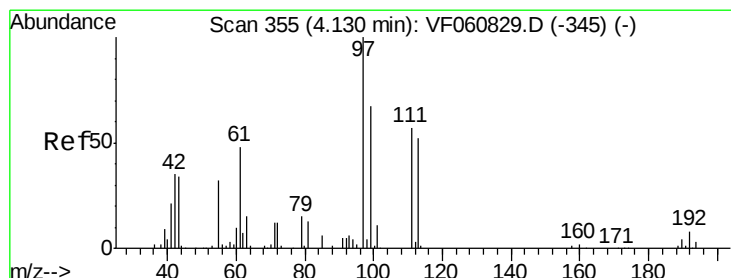
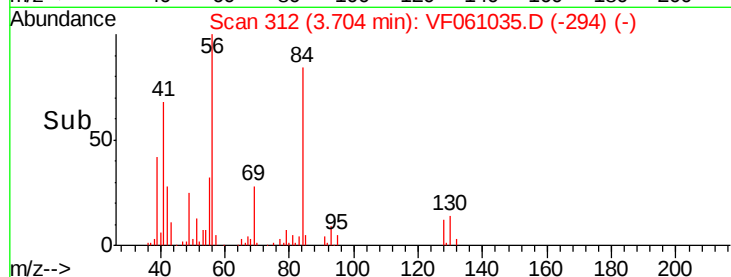
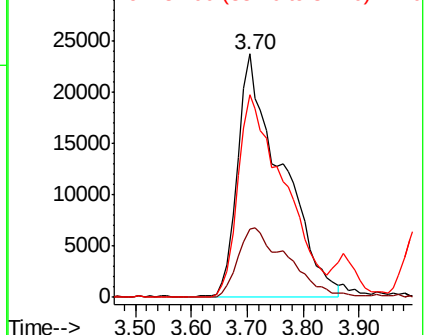
56 100

69 27.8 23.0 34.4

84 83.4 70.4 105.6



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: 54.876 ug/l

RT: 4.11 min Scan# 353

Delta R.T. -0.02 min

Lab File: VF061035.D

Acq: 17 Dec 2018 11:59

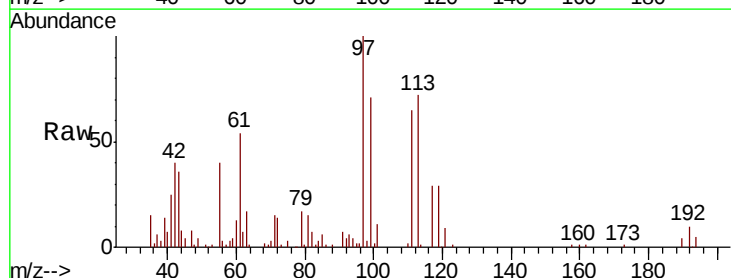
Tgt Ion: 97 Resp: 158605

Ion Ratio Lower Upper

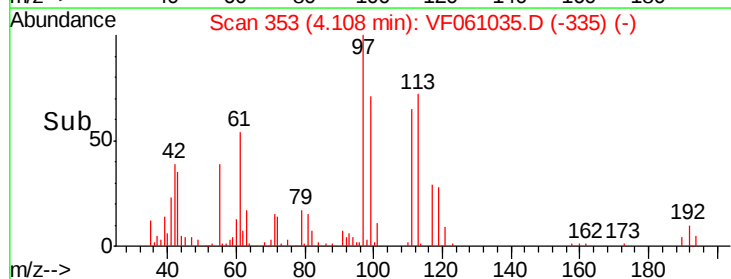
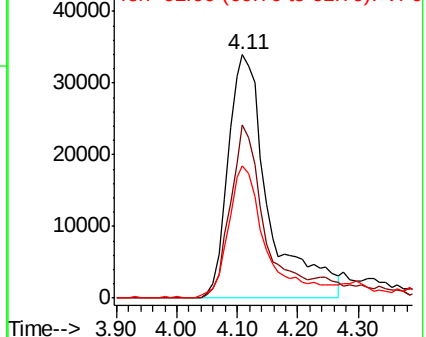
97 100

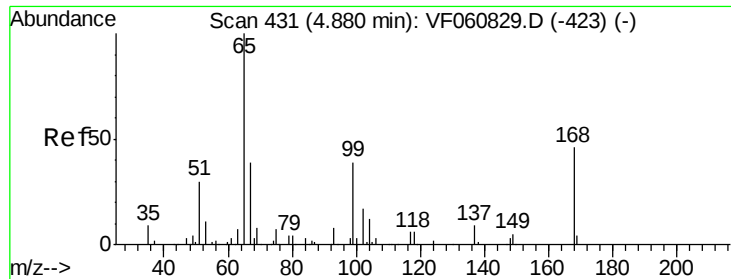
99 71.0 53.5 80.3

61 54.3 38.6 58.0



Abundance Ion 97.00 (96.70 to 97.70): VF0
Ion 99.00 (98.70 to 99.70): VF0
Ion 61.00 (60.70 to 61.70): VF0





#33

1,2-Dichloroethane-d4

Concen: 56.296 ug/l

RT: 4.86 min Scan# 429

Delta R.T. -0.02 min

Lab File: VF061035.D

Acq: 17 Dec 2018 11:59

Instrument :

MSVOA_F

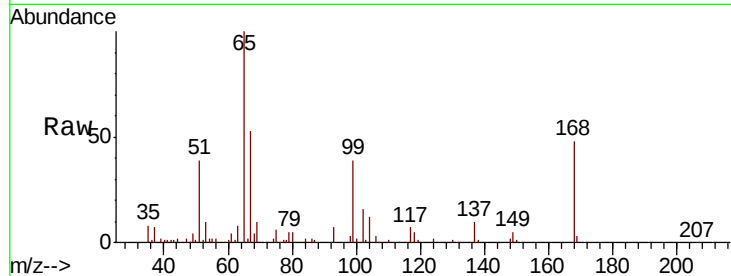
ClientSampleId :

Tot Ion: 65 Resp: 112358

Ion Ratio Lower Upper

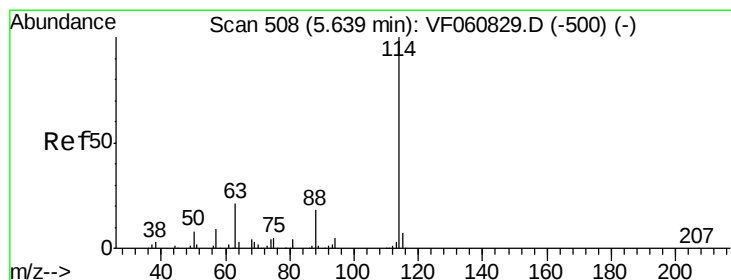
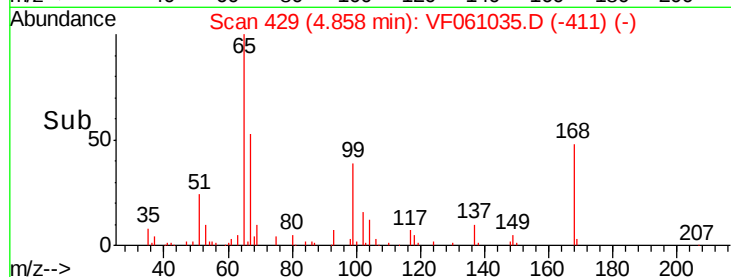
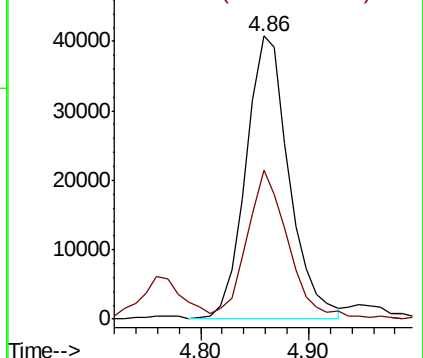
65 100

67 52.8 0.0 96.4



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.62 min Scan# 506

Delta R.T. -0.02 min

Lab File: VF061035.D

Acq: 17 Dec 2018 11:59

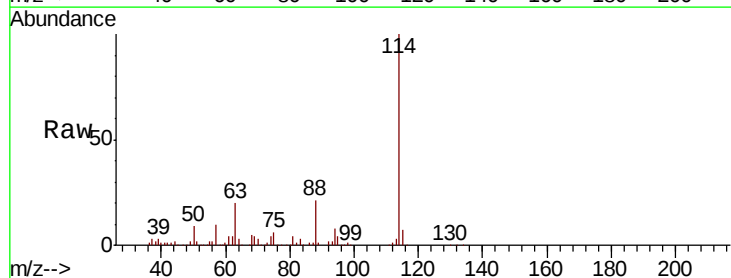
Tgt Ion: 114 Resp: 270400

Ion Ratio Lower Upper

114 100

63 19.7 0.0 41.6

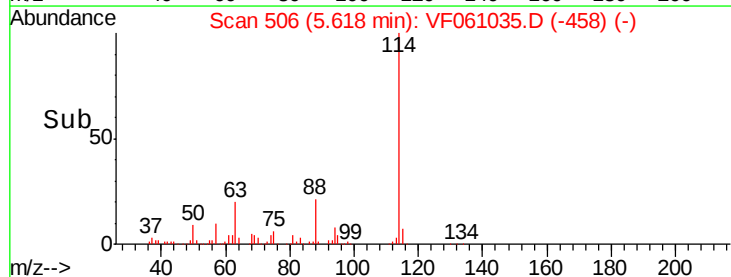
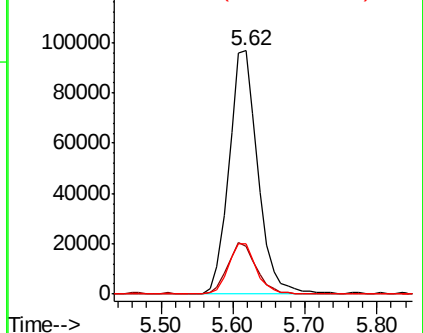
88 20.6 0.0 36.6

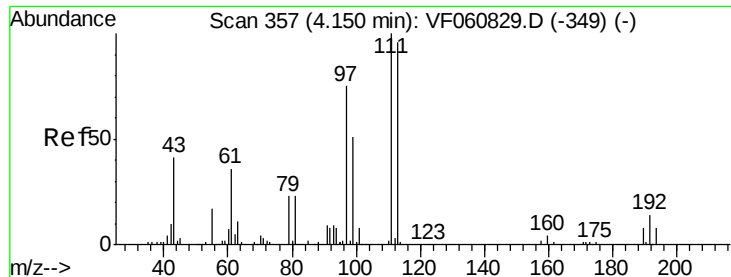


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

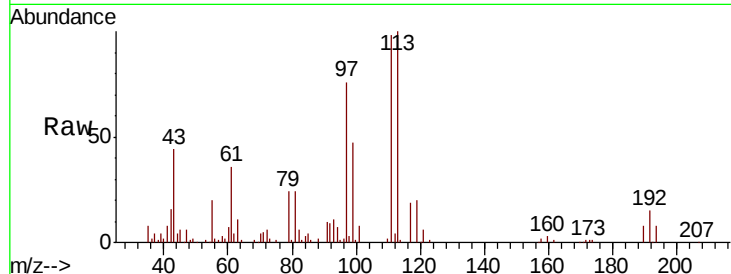




#35
 Dibromofluoromethane
 Concen: 56.380 ug/l
 RT: 4.13 min Scan# 355
 Delta R.T. -0.02 min
 Lab File: VF061035.D
 Acq: 17 Dec 2018 11:59

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	97.7	83.0	124.6
192	15.5	12.3	18.5

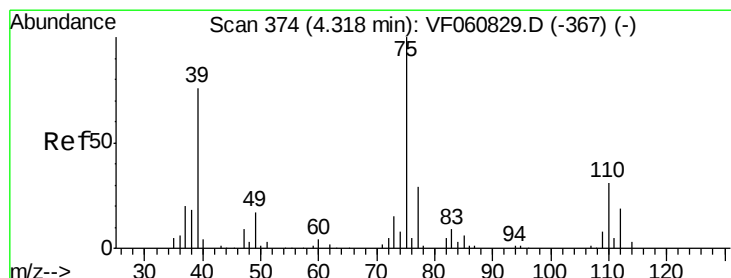
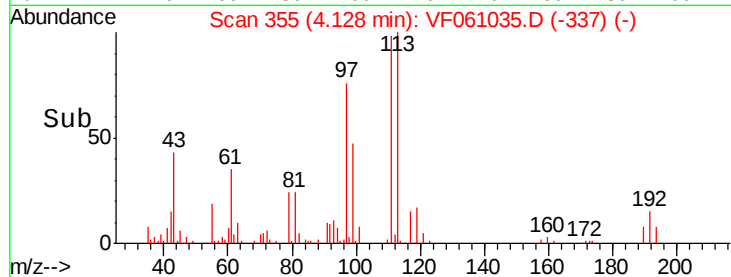
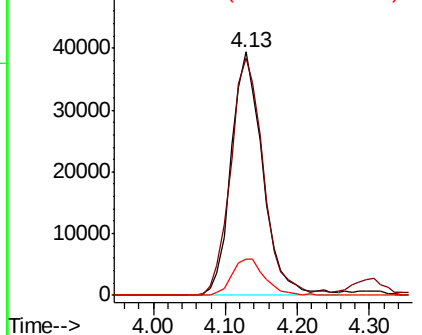


Abundance

Ion 113.00 (112.70 to 113.70): V

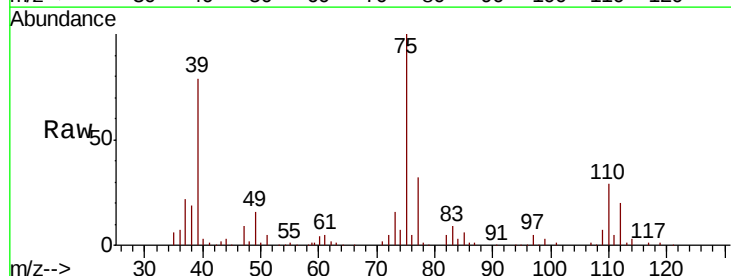
Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#36
 1,1-Dichloropropene
 Concen: 50.365 ug/l
 RT: 4.30 min Scan# 372
 Delta R.T. -0.02 min
 Lab File: VF061035.D
 Acq: 17 Dec 2018 11:59

Tgt Ion	Ratio	Lower	Upper
75	100		
110	29.2	15.6	46.8
77	32.4	23.4	35.0

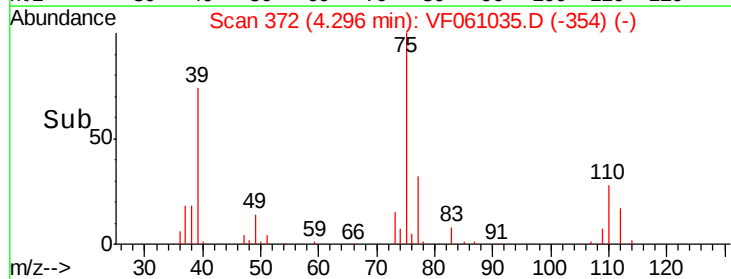
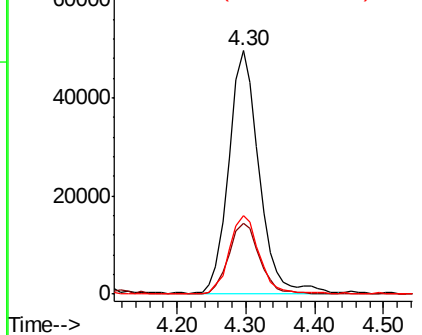


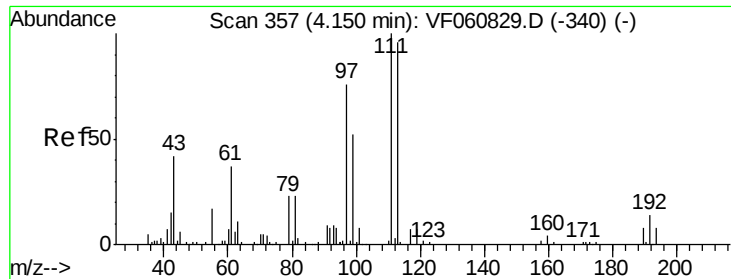
Abundance

Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0

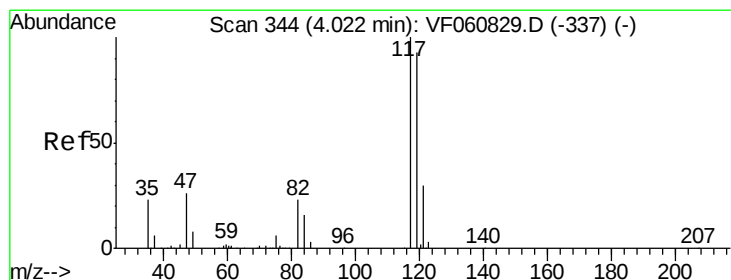
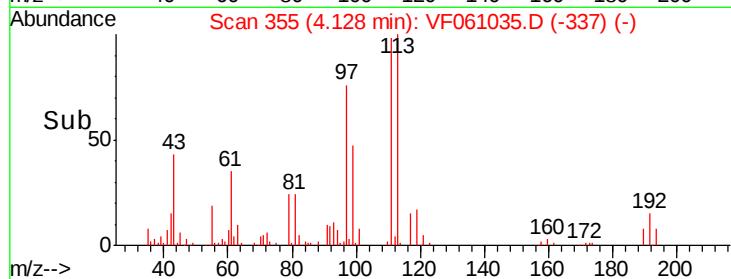
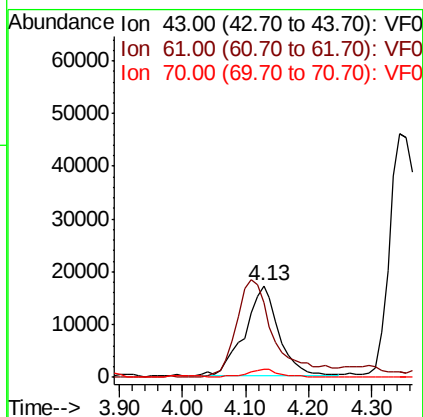
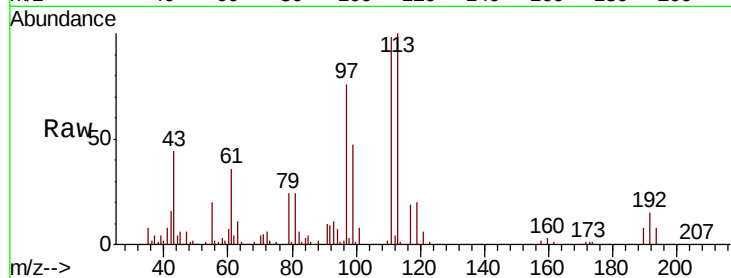




#37
Ethyl Acetate
Concen: 53.235 ug/l
RT: 4.13 min Scan# 355
Delta R.T. -0.02 min
Lab File: VF061035.D
Acq: 17 Dec 2018 11:59

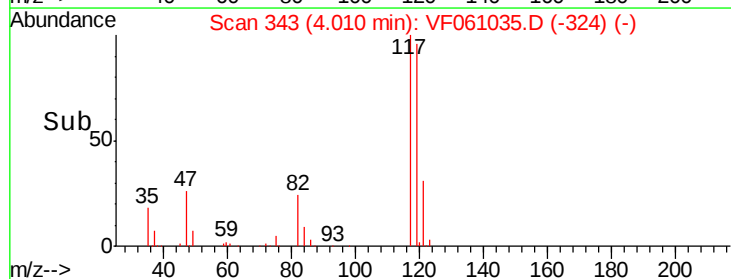
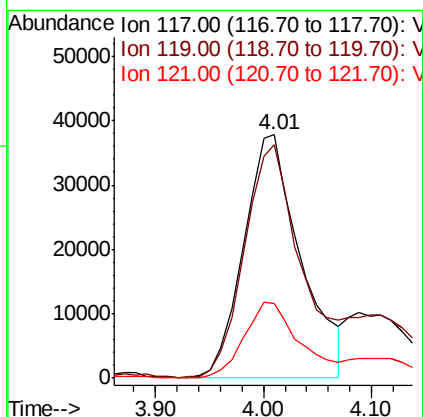
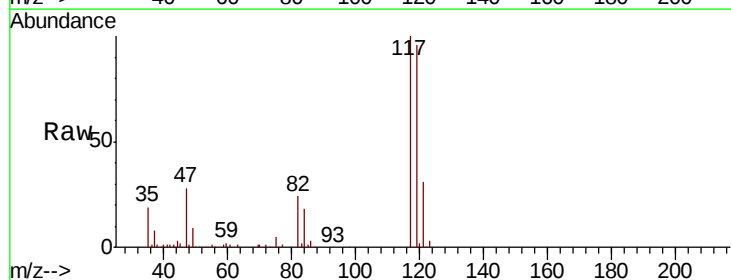
Instrument :
MSVOA_F
ClientSampleId :

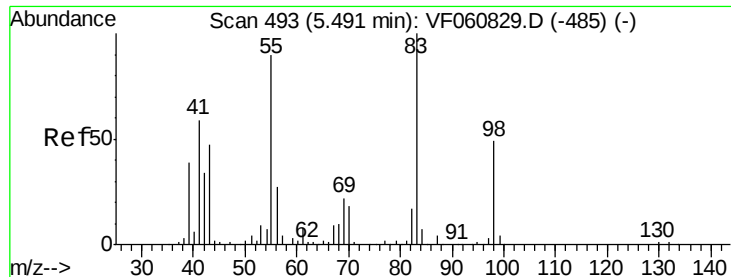
Tot Ion: 43 Resp: 64882
Ion Ratio Lower Upper
43 100
61 81.1 68.6 103.0
70 8.8 9.0 13.4#



#38
Carbon Tetrachloride
Concen: 52.728 ug/l
RT: 4.01 min Scan# 343
Delta R.T. -0.01 min
Lab File: VF061035.D
Acq: 17 Dec 2018 11:59

Tgt Ion: 117 Resp: 139677
Ion Ratio Lower Upper
117 100
119 95.7 74.4 111.6
121 30.7 23.5 35.3

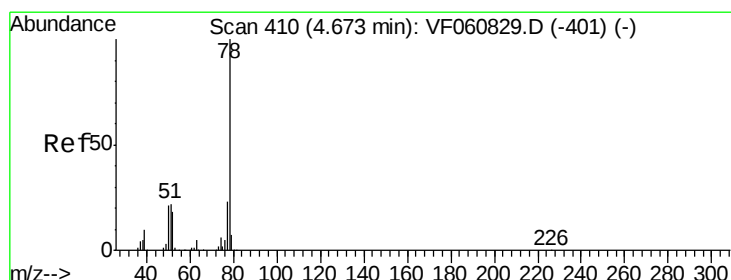
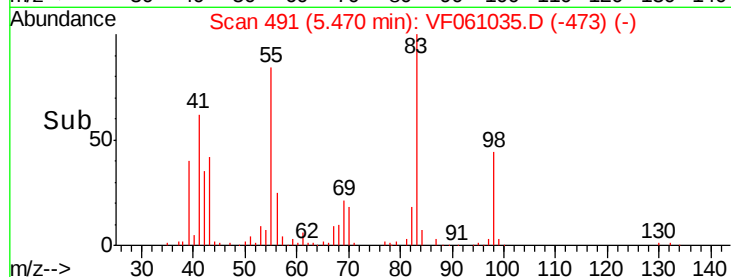
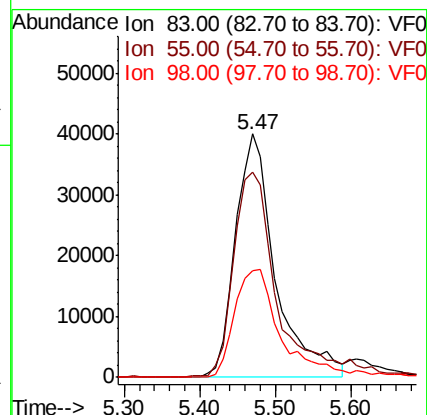
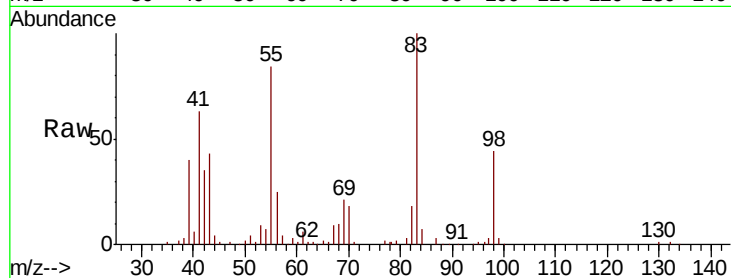




#39
Methvlcvclohexane
Concen: 46.762 ug/l
RT: 5.47 min Scan# 491
Delta R.T. -0.02 min
Lab File: VF061035.D
Acq: 17 Dec 2018 11:59

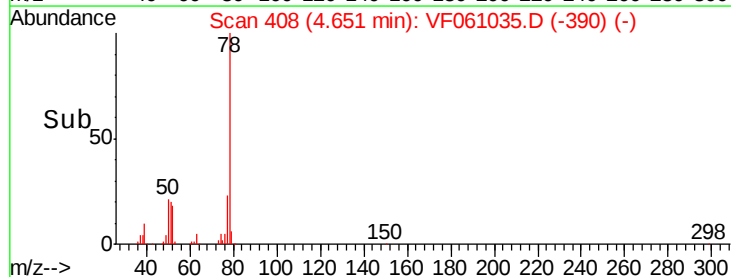
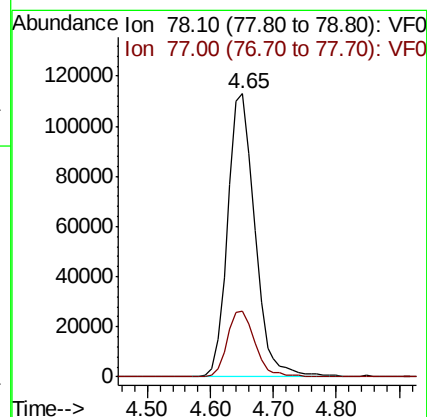
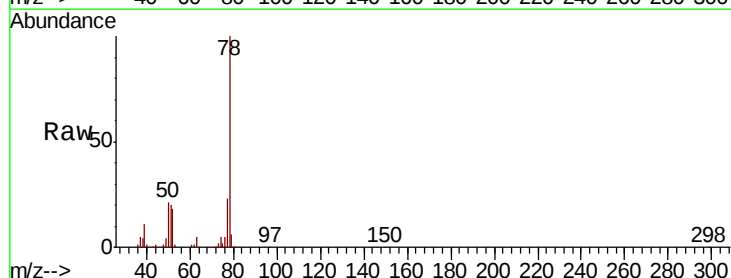
Instrument :
MSVOA_F
ClientSampleId :

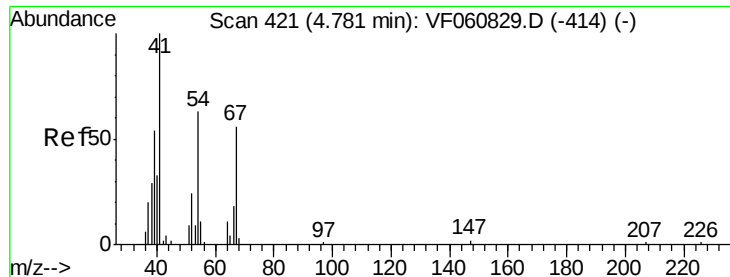
Tot Ion: 83 Resp: 146977
Ion Ratio Lower Upper
83 100
55 84.4 72.1 108.1
98 43.9 39.1 58.7



#40
Benzene
Concen: 51.022 ug/l
RT: 4.65 min Scan# 408
Delta R.T. -0.02 min
Lab File: VF061035.D
Acq: 17 Dec 2018 11:59

Tgt Ion: 78 Resp: 338062
Ion Ratio Lower Upper
78 100
77 23.2 18.7 28.1

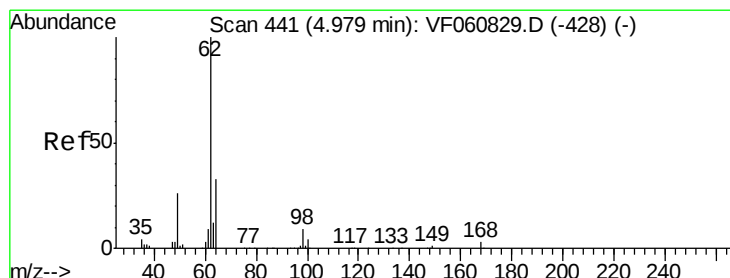
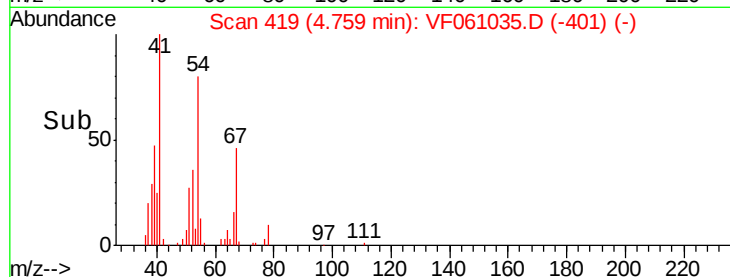
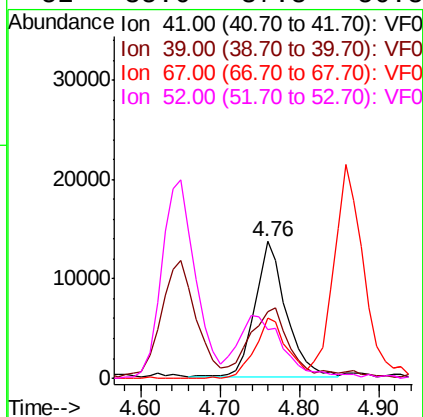
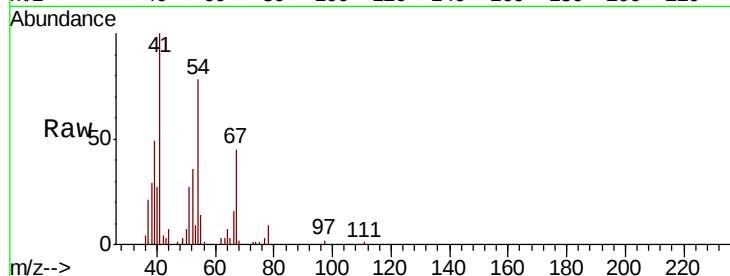




#41
Methacrylonitrile
Concen: 58.809 ug/l
RT: 4.76 min Scan# 419
Delta R.T. -0.02 min
Lab File: VF061035.D
Acq: 17 Dec 2018 11:59

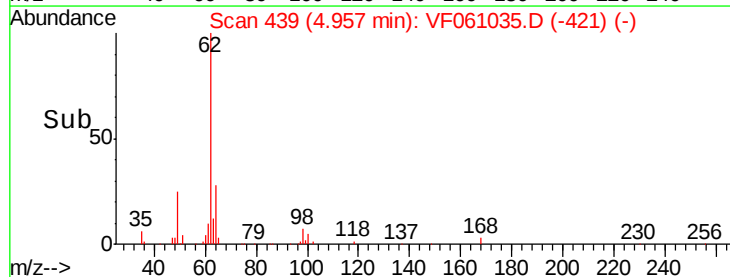
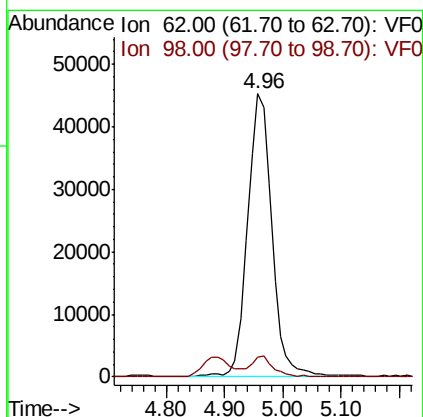
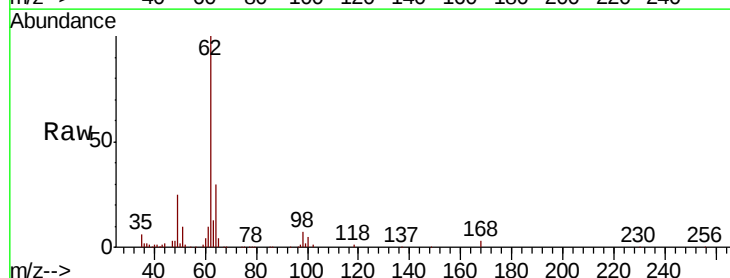
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 41 Resp: 36679
Ion Ratio Lower Upper
41 100
39 48.6 53.0 79.6#
67 44.5 43.8 65.6
52 35.6 37.8 56.8#



#42
1,2-Dichloroethane
Concen: 54.653 ug/l
RT: 4.96 min Scan# 439
Delta R.T. -0.02 min
Lab File: VF061035.D
Acq: 17 Dec 2018 11:59

Tgt Ion: 62 Resp: 132203
Ion Ratio Lower Upper
62 100
98 7.0 0.0 17.2



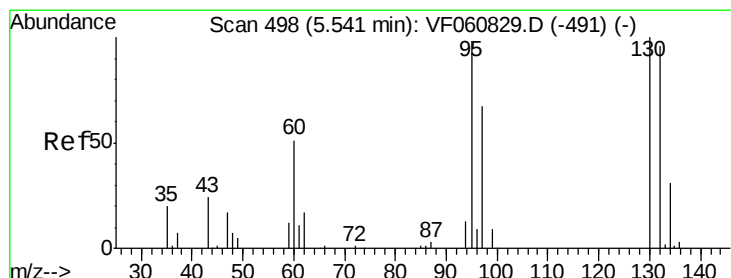
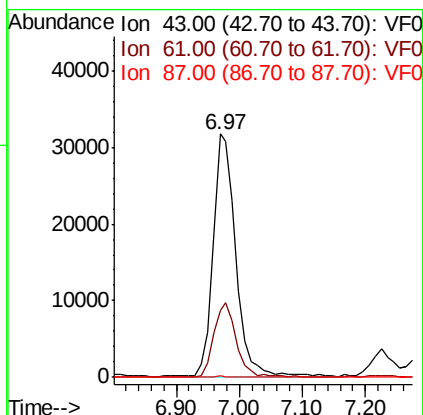
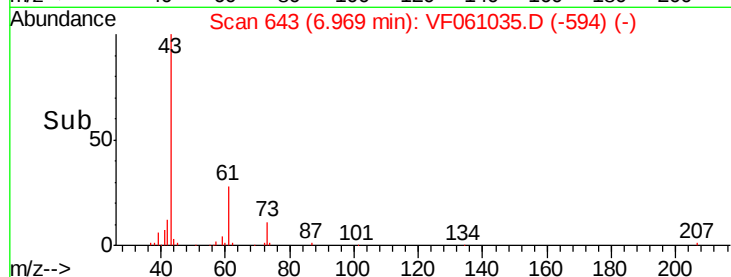
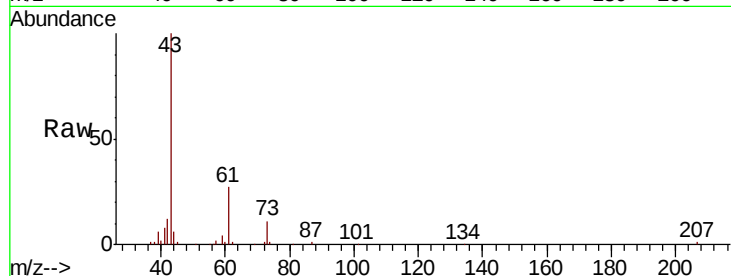


#43

Isopropyl Acetate
 Concen: 54.480 ug/l
 RT: 6.97 min Scan# 643
 Delta R.T. -0.02 min
 Lab File: VF061035.D
 Acq: 17 Dec 2018 11:59

Instrument :
 MSVOA_F
 ClientSampleId :

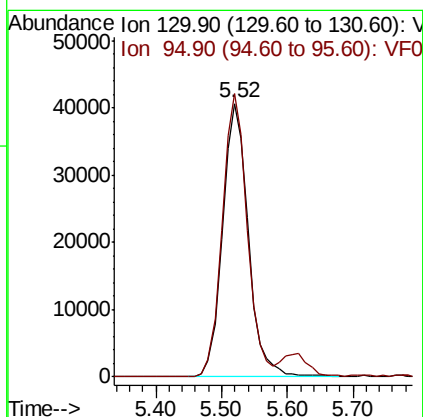
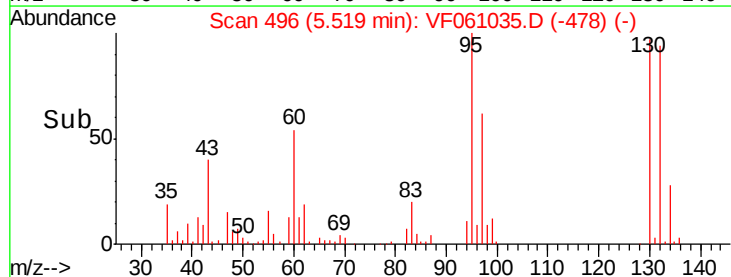
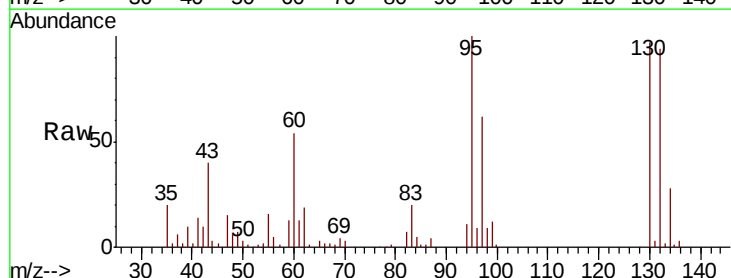
Tot Ion: 43 Resp: 81559
 Ion Ratio Lower Upper
 43 100
 61 27.4 21.4 32.0
 87 0.7 0.2 0.4#

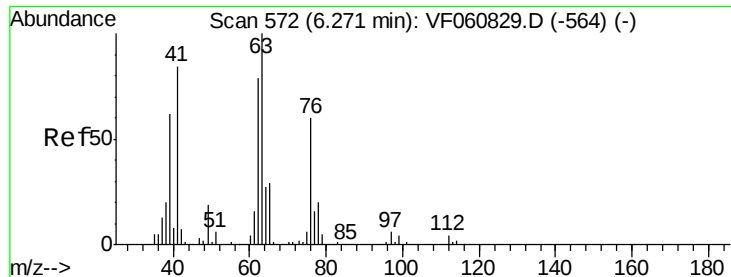


#44

Trichloroethene
 Concen: 51.492 ug/l
 RT: 5.52 min Scan# 496
 Delta R.T. -0.02 min
 Lab File: VF061035.D
 Acq: 17 Dec 2018 11:59

Tgt Ion: 130 Resp: 111553
 Ion Ratio Lower Upper
 130 100
 95 103.5 0.0 195.6





#45

1,2-Dichloropropane

Concen: 54.180 ug/l

RT: 6.26 min Scan# 571

Delta R.T. -0.01 min

Lab File: VF061035.D

Acq: 17 Dec 2018 11:59

Instrument :

MSVOA_F

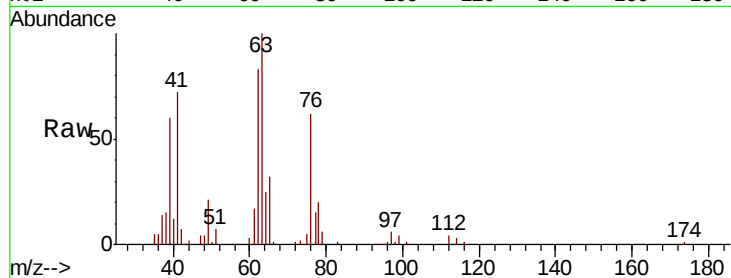
ClientSampleId :

Tot Ion: 63 Resp: 93234

Ion Ratio Lower Upper

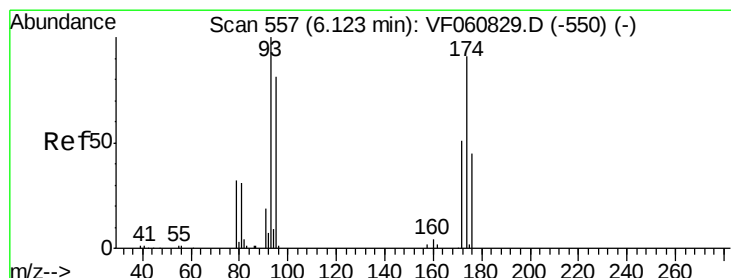
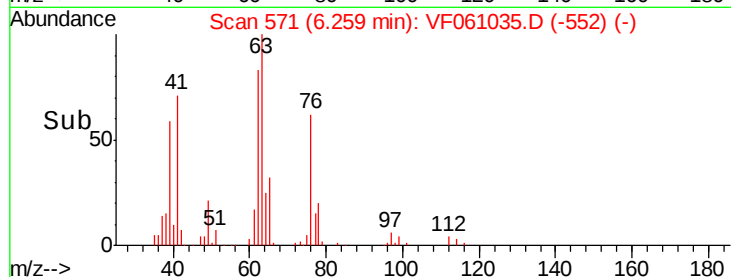
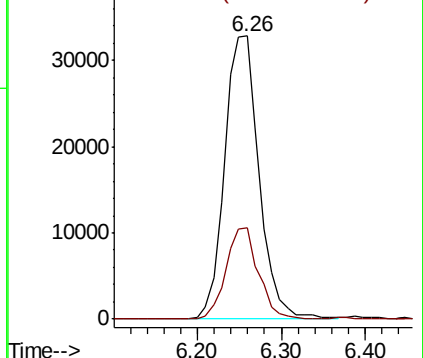
63 100

65 32.4 23.2 34.8



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 52.445 ug/l

RT: 6.10 min Scan# 555

Delta R.T. -0.02 min

Lab File: VF061035.D

Acq: 17 Dec 2018 11:59

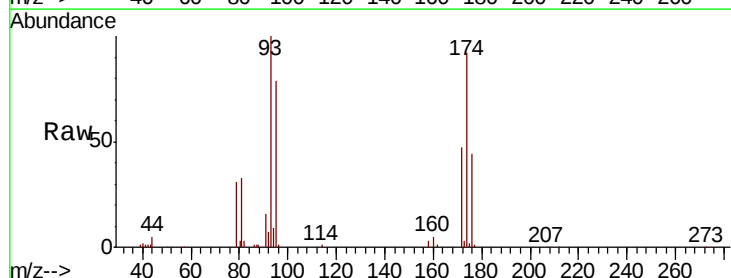
Tgt Ion: 93 Resp: 61221

Ion Ratio Lower Upper

93 100

95 78.7 64.7 97.1

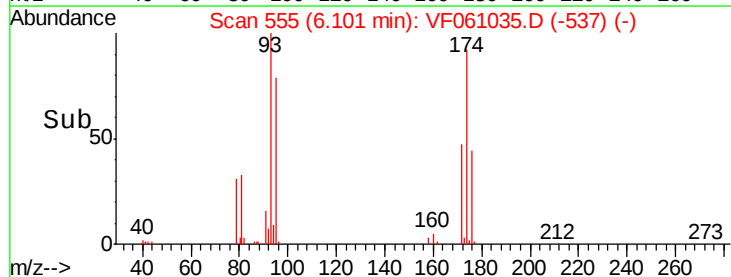
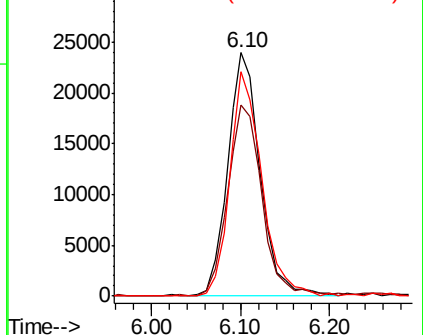
174 92.0 73.0 109.6

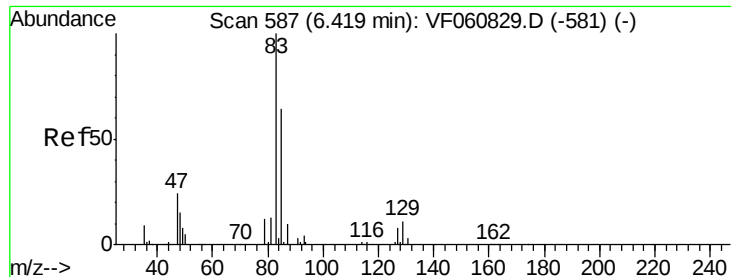


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 54.310 ug/l

RT: 6.40 min Scan# 585

Delta R.T. -0.02 min

Lab File: VF061035.D

Acq: 17 Dec 2018 11:59

Instrument :
MSVOA_F
ClientSampleId :

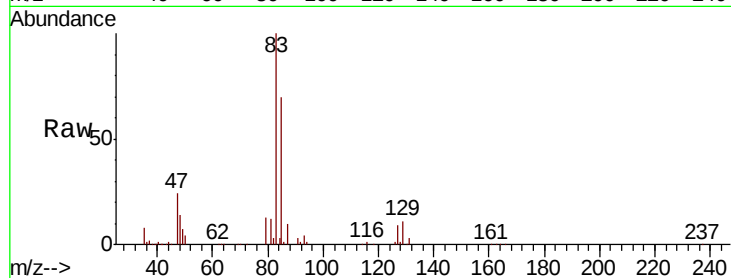
Tot Ion: 83 Resp: 168385

Ion Ratio Lower Upper

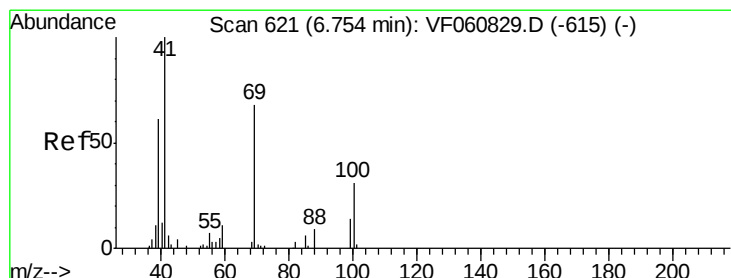
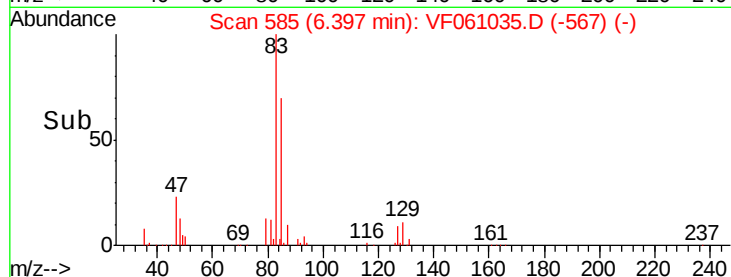
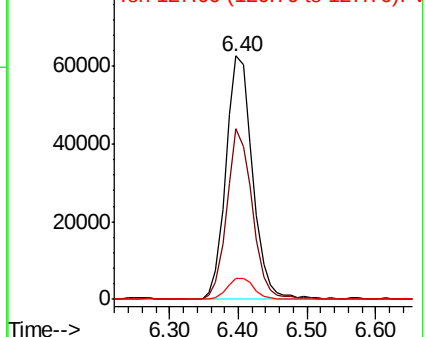
83 100

85 70.3 51.1 76.7

127 8.8 6.8 10.2



Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 85.00 (84.70 to 85.70): VF0
Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 52.350 ug/l

RT: 6.73 min Scan# 619

Delta R.T. -0.02 min

Lab File: VF061035.D

Acq: 17 Dec 2018 11:59

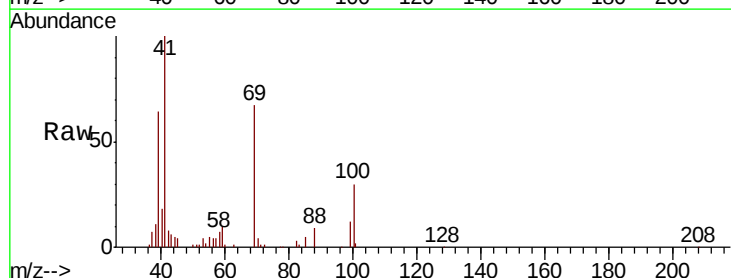
Tgt Ion: 41 Resp: 57754

Ion Ratio Lower Upper

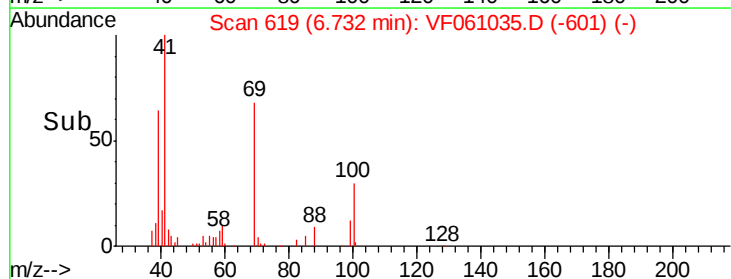
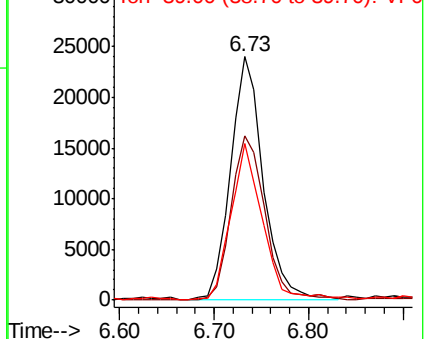
41 100

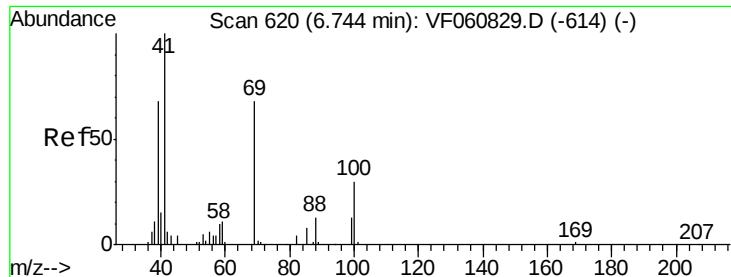
69 67.2 53.9 80.9

39 64.2 49.0 73.6



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

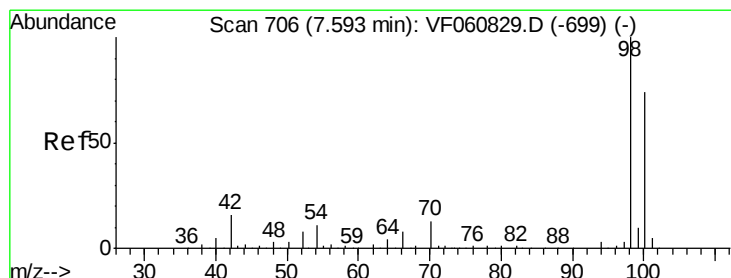
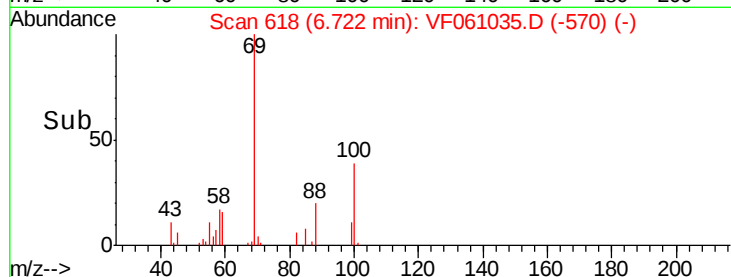
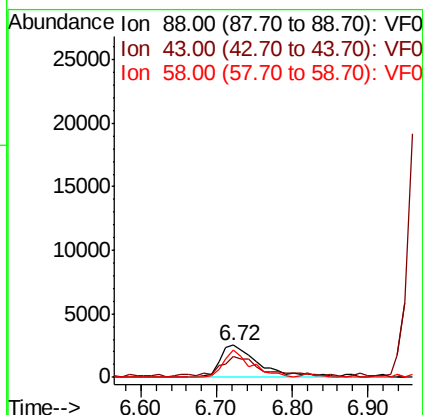
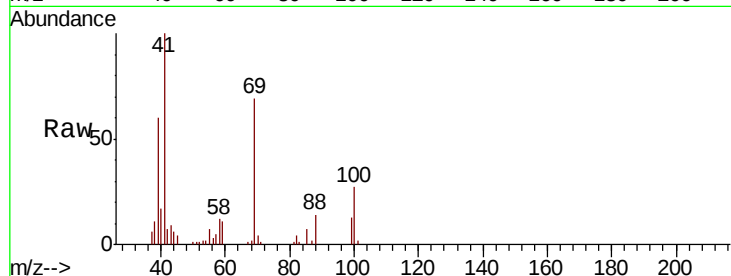




#49
1,4-Dioxane
Concen: 1110.587 ug/l
RT: 6.72 min Scan# 618
Delta R.T. -0.02 min
Lab File: VF061035.D
Acq: 17 Dec 2018 11:59

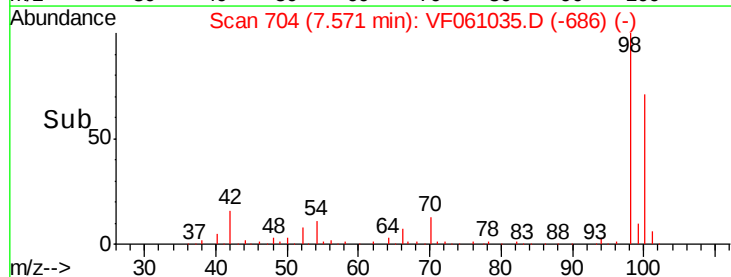
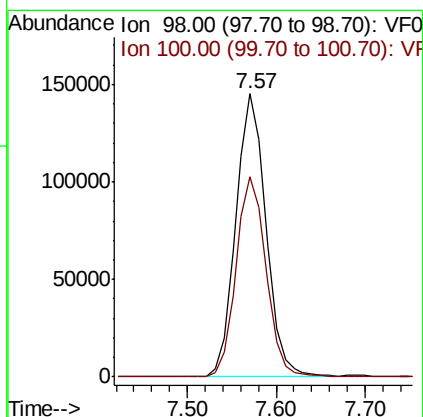
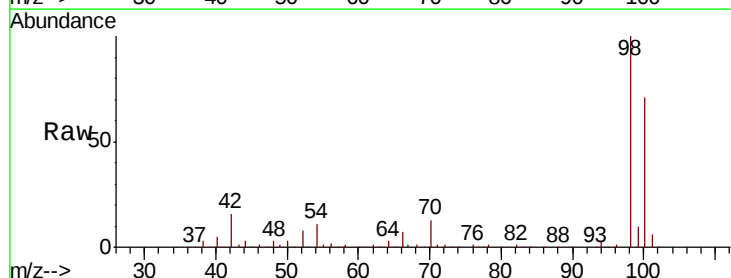
Instrument :
MSVOA_F
ClientSampleId :

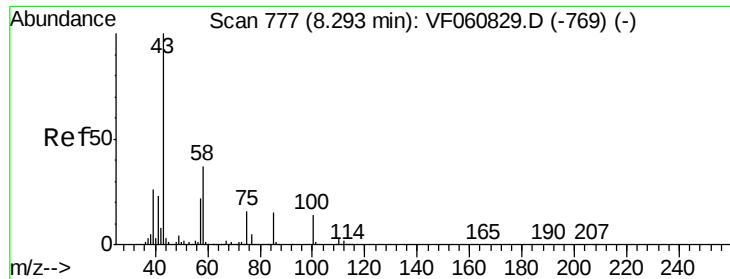
Tot Ion: 88 Resp: 8967
Ion Ratio Lower Upper
88 100
43 64.4 42.0 63.0#
58 86.0 61.8 92.8



#50
Toluene-d8
Concen: 54.335 ug/l
RT: 7.57 min Scan# 704
Delta R.T. -0.02 min
Lab File: VF061035.D
Acq: 17 Dec 2018 11:59

Tgt Ion: 98 Resp: 343344
Ion Ratio Lower Upper
98 100
100 70.6 59.3 88.9





#51

4-Methyl-2-Pentanone

Concen: 266.479 ug/l

RT: 8.27 min Scan# 775

Delta R.T. -0.02 min

Lab File: VF061035.D

Acq: 17 Dec 2018 11:59

Instrument :

MSVOA_F

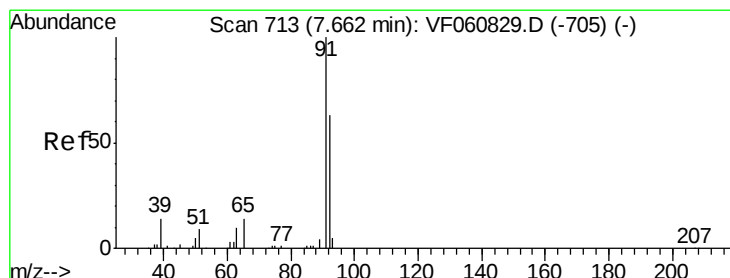
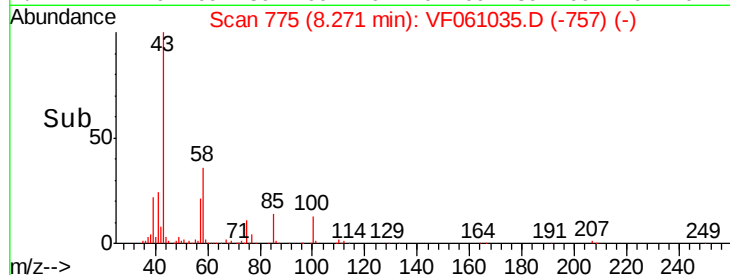
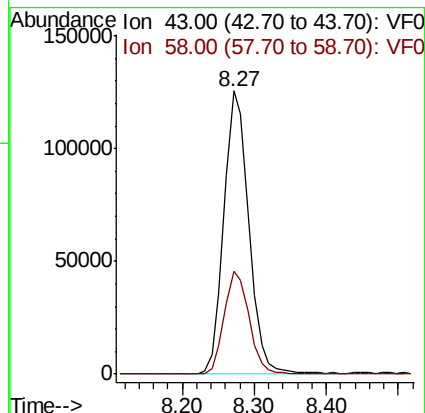
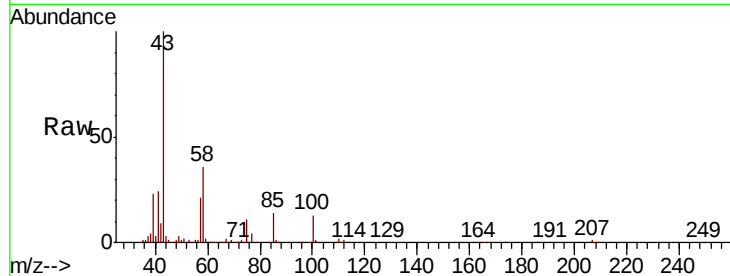
ClientSampled :

Tot Ion: 43 Resp: 299501

Ion Ratio Lower Upper

43 100

58 36.4 29.7 44.5



#52

Toluene

Concen: 46.691 ug/l

RT: 7.64 min Scan# 711

Delta R.T. -0.02 min

Lab File: VF061035.D

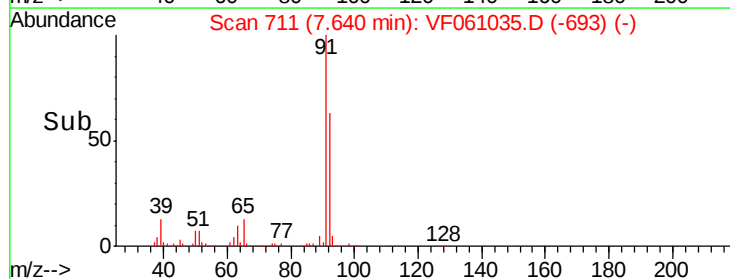
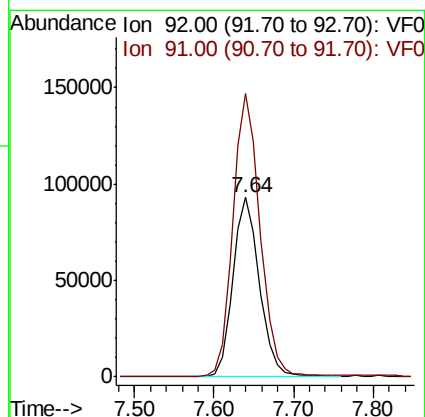
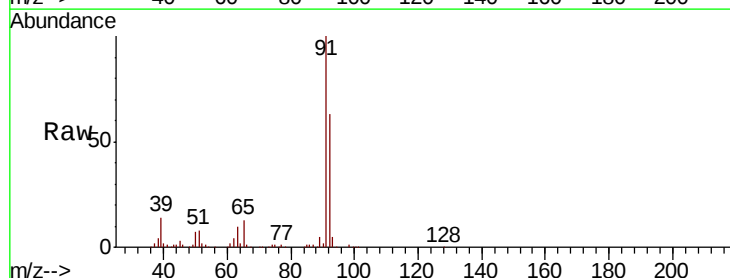
Acq: 17 Dec 2018 11:59

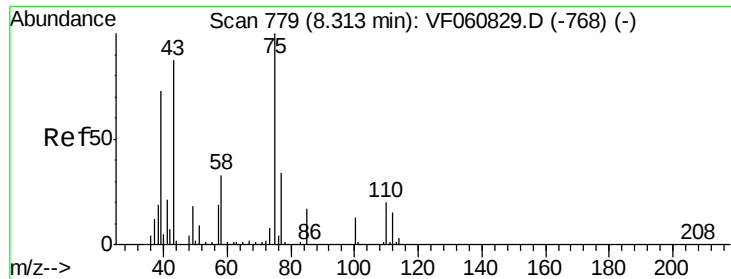
Tgt Ion: 92 Resp: 217305

Ion Ratio Lower Upper

92 100

91 157.6 126.2 189.2

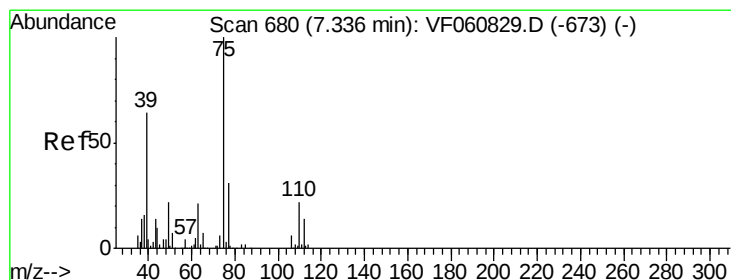
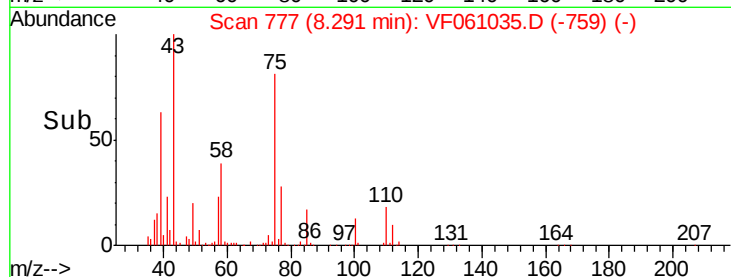
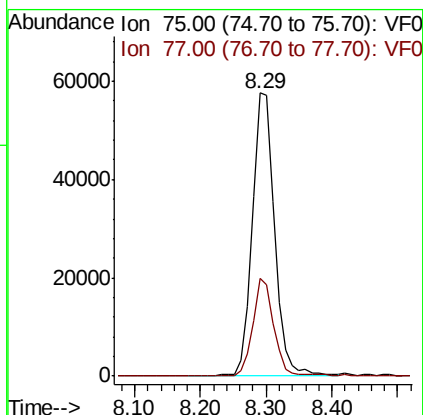
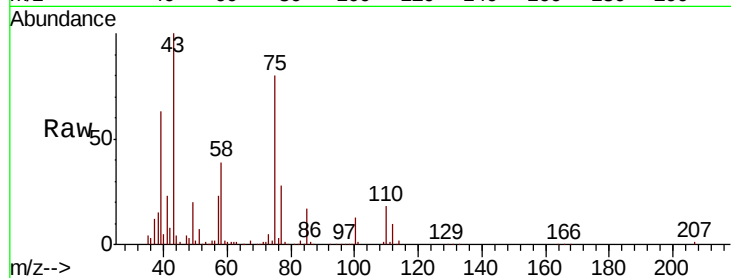




#53
 t-1,3-Dichloropropene
 Concen: 54.698 ug/l
 RT: 8.29 min Scan# 777
 Delta R.T. -0.02 min
 Lab File: VF061035.D
 Acq: 17 Dec 2018 11:59

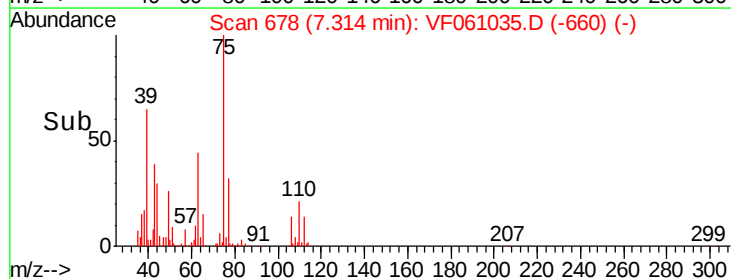
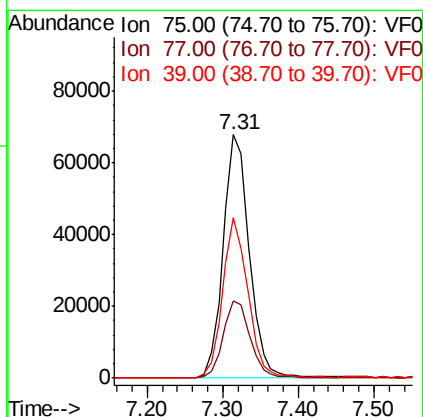
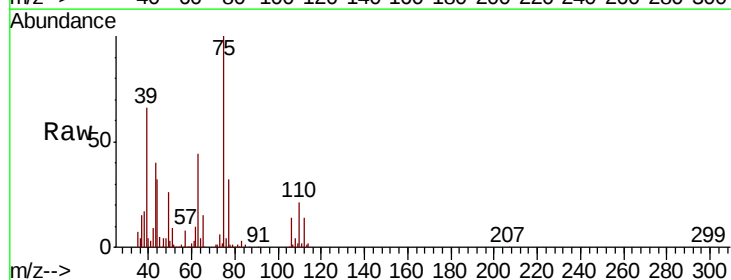
Instrument :
 MSVOA_F
 ClientSampleId :

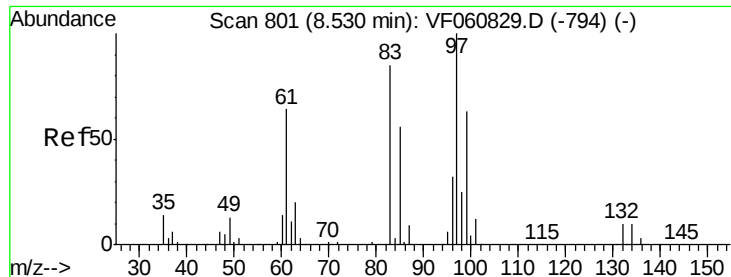
Tot Ion: 75 Resp: 137946
 Ion Ratio Lower Upper
 75 100
 77 34.6 27.4 41.2



#54
 cis-1,3-Dichloropropene
 Concen: 52.106 ug/l
 RT: 7.31 min Scan# 678
 Delta R.T. -0.02 min
 Lab File: VF061035.D
 Acq: 17 Dec 2018 11:59

Tgt Ion: 75 Resp: 162681
 Ion Ratio Lower Upper
 75 100
 77 31.7 25.0 37.6
 39 65.7 51.1 76.7





#55

1,1,2-Trichloroethane

Concen: 54.905 ug/l

RT: 8.51 min Scan# 799

Delta R.T. -0.02 min

Lab File: VF061035.D

Acq: 17 Dec 2018 11:59

Instrument :

MSVOA_F

ClientSampleId :

Tot Ion: 97 Resp: 74459

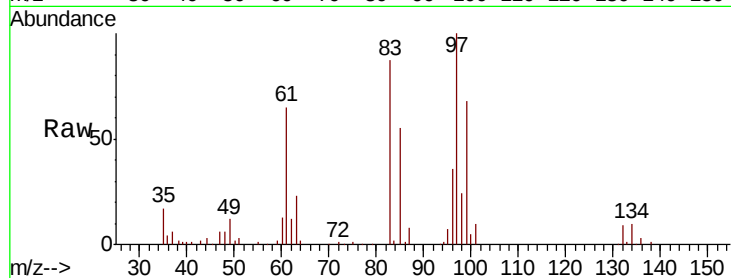
Ion Ratio Lower Upper

97 100

83 87.4 67.8 101.6

85 55.3 45.0 67.6

99 67.6 50.5 75.7

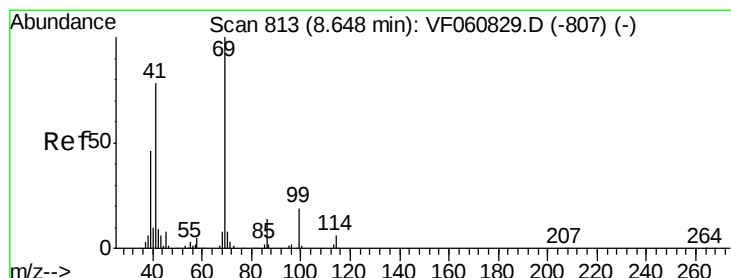
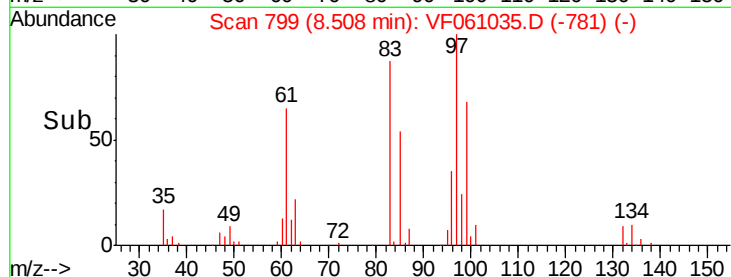
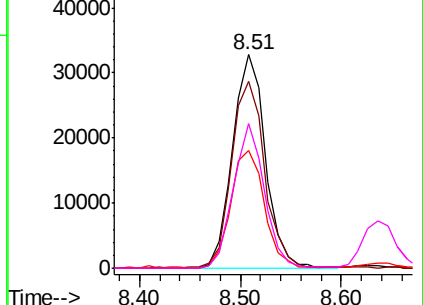


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 53.275 ug/l

RT: 8.64 min Scan# 812

Delta R.T. -0.01 min

Lab File: VF061035.D

Acq: 17 Dec 2018 11:59

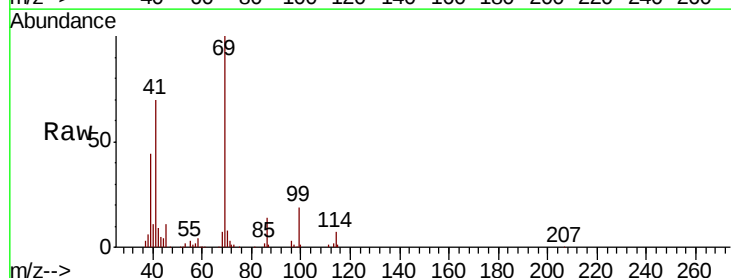
Tgt Ion: 69 Resp: 80259

Ion Ratio Lower Upper

69 100

41 70.1 62.6 94.0

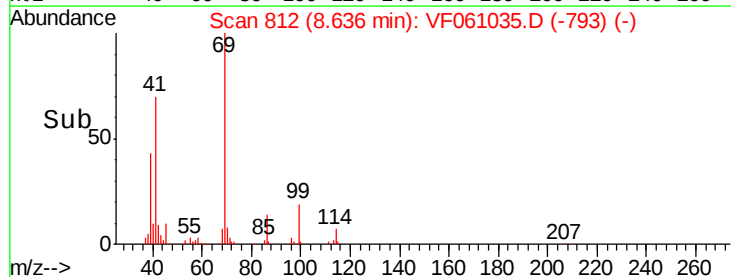
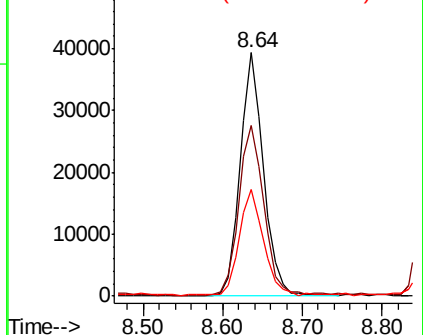
39 43.7 37.8 56.6

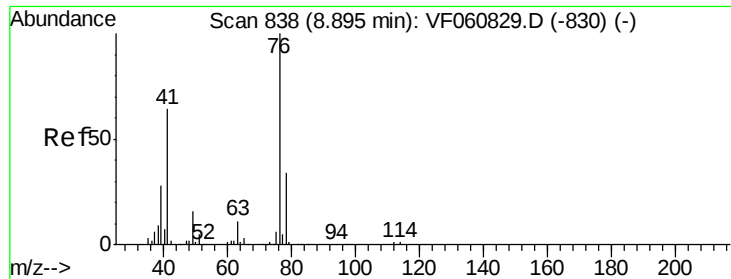


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 54.436 ug/l

RT: 8.87 min Scan# 836

Delta R.T. -0.02 min

Lab File: VF061035.D

Acq: 17 Dec 2018 11:59

Instrument :

MSVOA_F

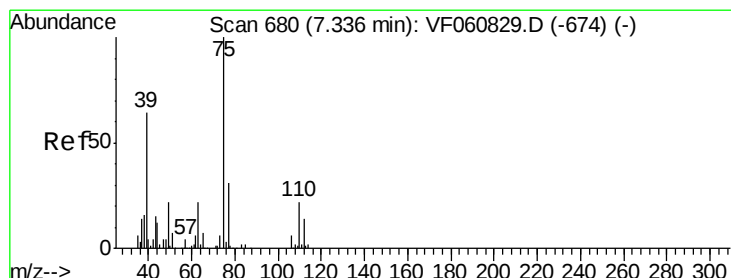
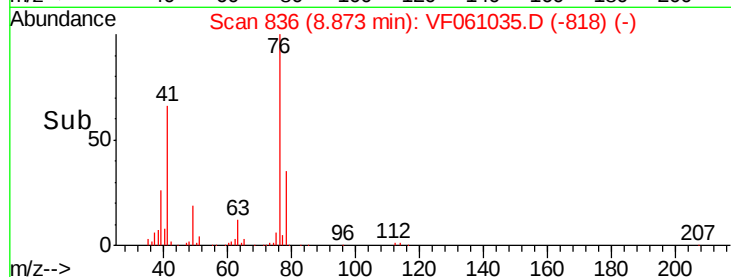
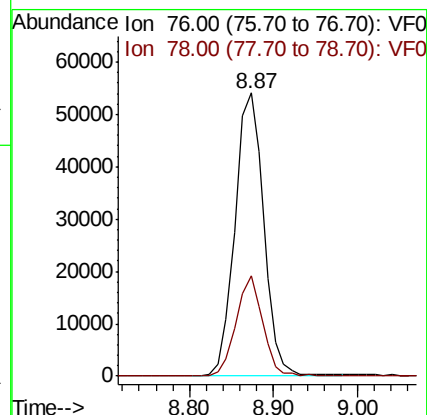
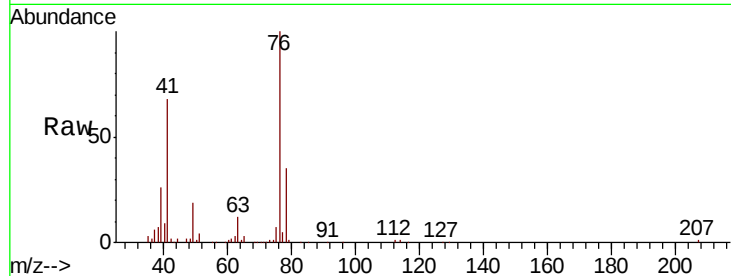
ClientSampleId :

Tot Ion: 76 Resp: 129157

Ion Ratio Lower Upper

76 100

78 35.3 27.0 40.4



#58

2-Chloroethyl Vinyl ether

Concen: 464.234 ug/l

RT: 7.31 min Scan# 678

Delta R.T. -0.02 min

Lab File: VF061035.D

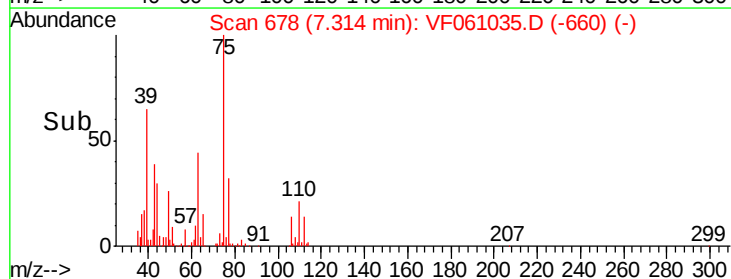
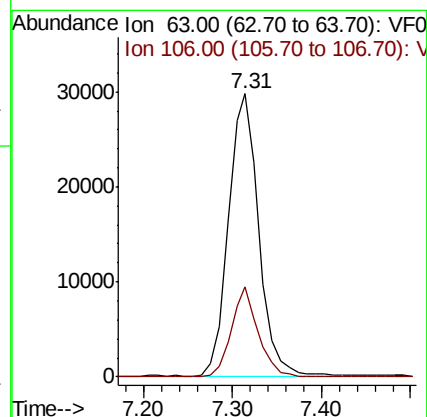
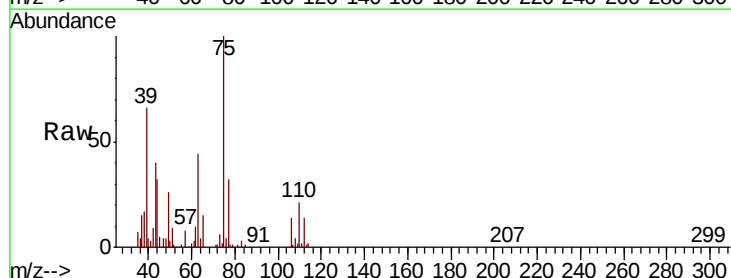
Acq: 17 Dec 2018 11:59

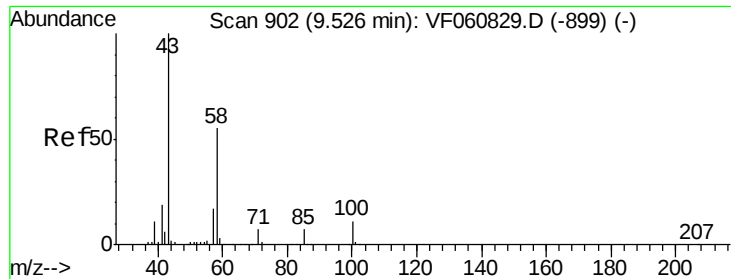
Tgt Ion: 63 Resp: 71535

Ion Ratio Lower Upper

63 100

106 31.8 23.0 34.6

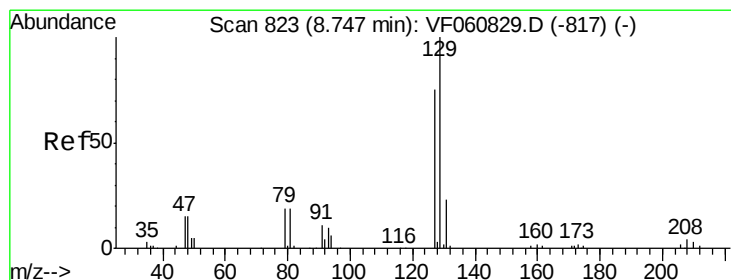
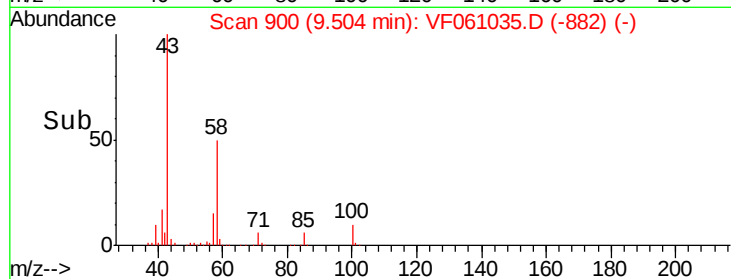
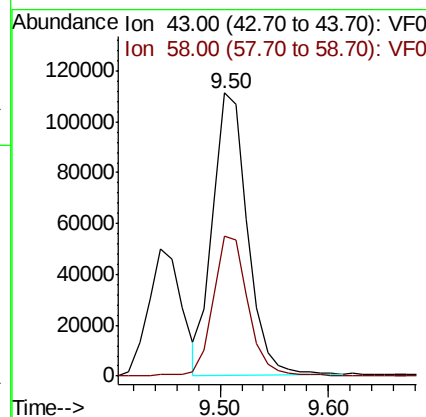
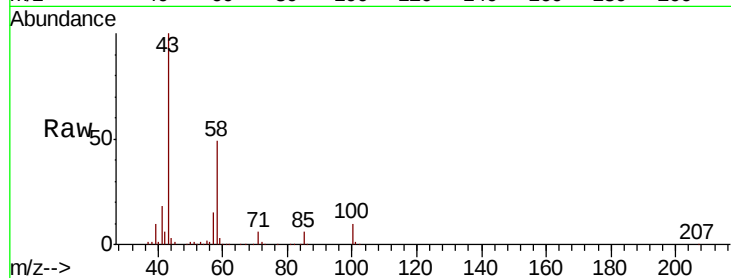




#59
2-Hexanone
Concen: 315.524 ug/l
RT: 9.50 min Scan# 900
Delta R.T. -0.02 min
Lab File: VF061035.D
Acq: 17 Dec 2018 11:59

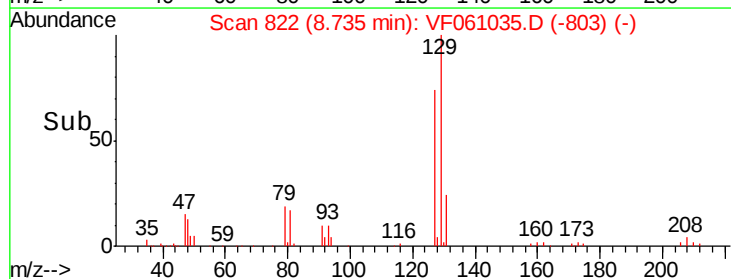
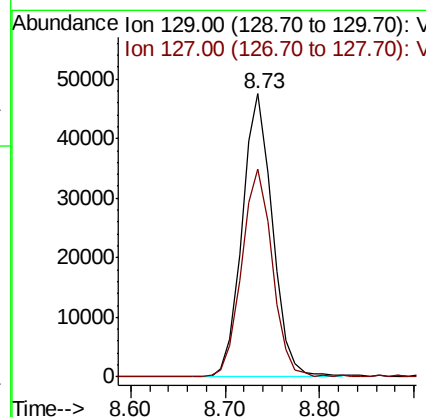
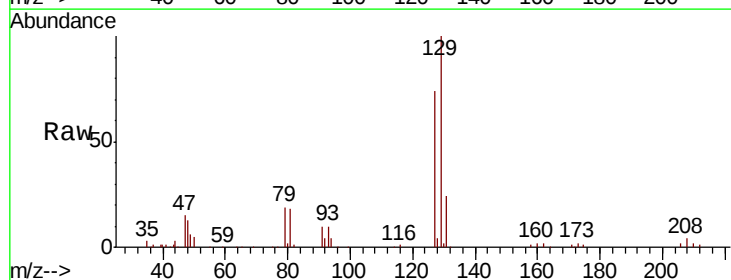
Instrument :
MSVOA_F
ClientSampleId :

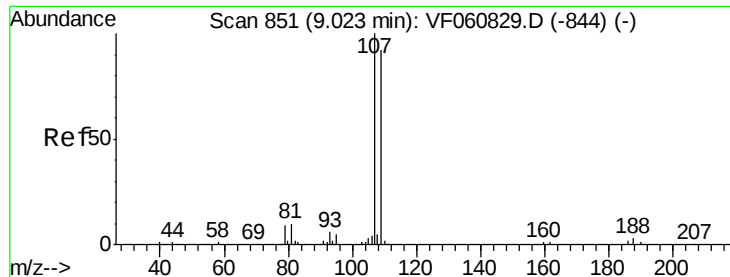
Tot Ion: 43 Resp: 248790
Ion Ratio Lower Upper
43 100
58 49.5 25.6 76.6



#60
Dibromochloromethane
Concen: 52.160 ug/l
RT: 8.73 min Scan# 822
Delta R.T. -0.01 min
Lab File: VF061035.D
Acq: 17 Dec 2018 11:59

Tgt Ion:129 Resp: 105395
Ion Ratio Lower Upper
129 100
127 73.5 37.3 111.9





#61

1,2-Dibromoethane

Concen: 53.024 ug/l

RT: 9.00 min Scan# 849

Delta R.T. -0.02 min

Lab File: VF061035.D

Acq: 17 Dec 2018 11:59

Instrument :

MSVOA_F

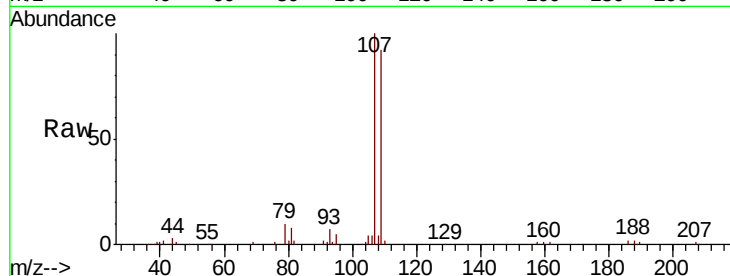
ClientSampleId :

Tot Ion:107 Resp: 77681

Ion Ratio Lower Upper

107 100

109 92.0 73.6 110.4



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

9.00

40000

30000

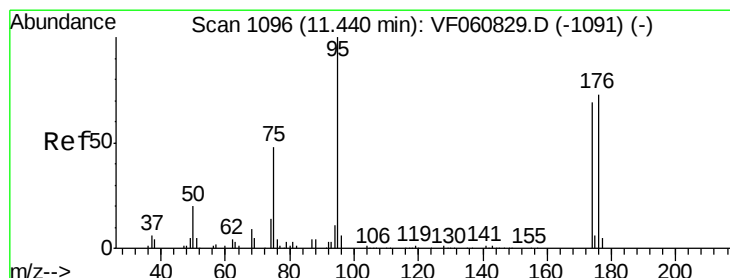
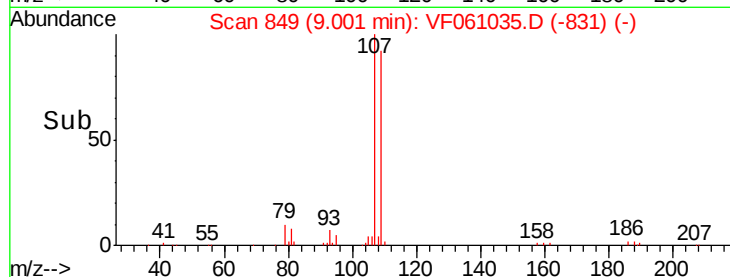
20000

10000

0

Time-->

8.90 9.00 9.10



#62

4-Bromofluorobenzene

Concen: 54.514 ug/l

RT: 11.43 min Scan# 1095

Delta R.T. -0.01 min

Lab File: VF061035.D

Acq: 17 Dec 2018 11:59

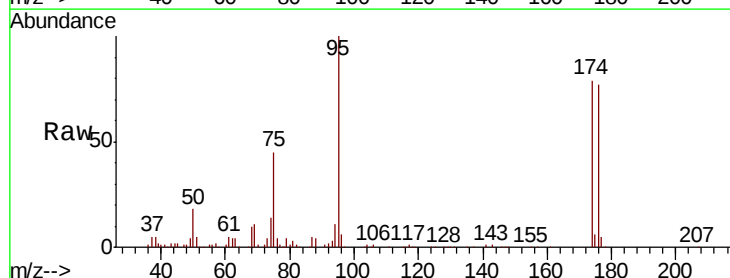
Tgt Ion: 95 Resp: 156559

Ion Ratio Lower Upper

95 100

174 78.6 0.0 138.2

176 77.0 0.0 146.2



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

120000

100000

80000

60000

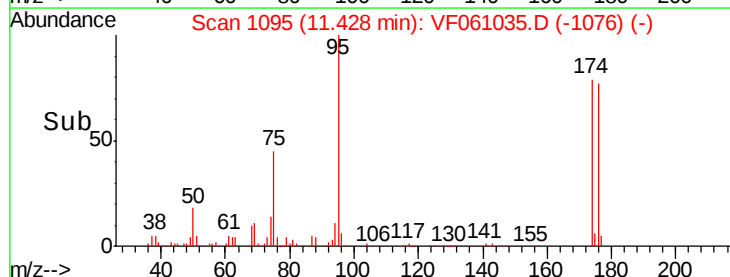
40000

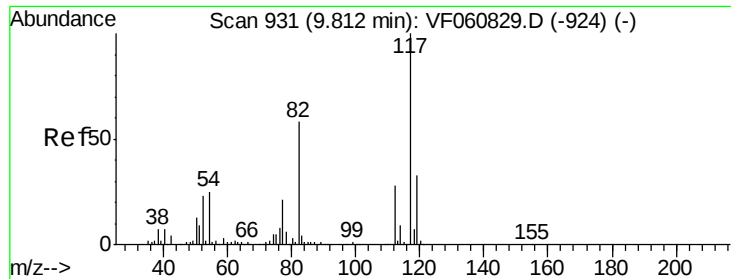
20000

0

Time-->

11.30 11.40 11.50 11.60

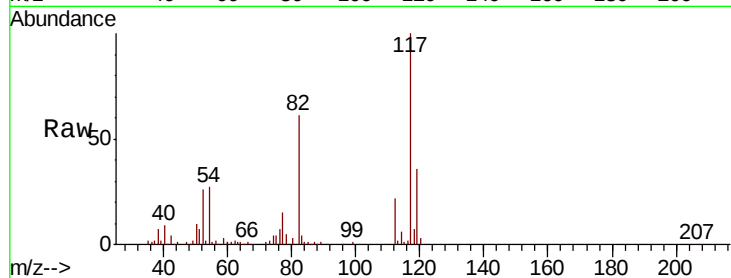




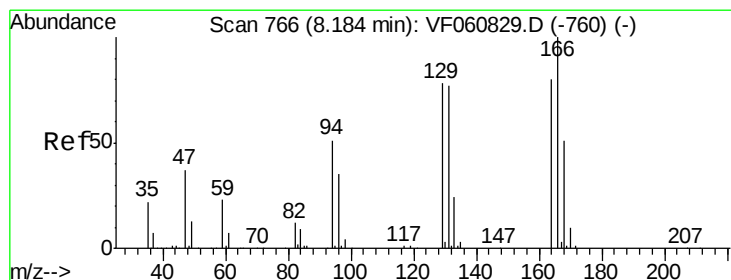
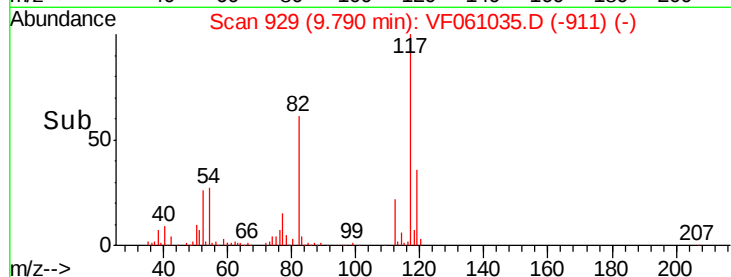
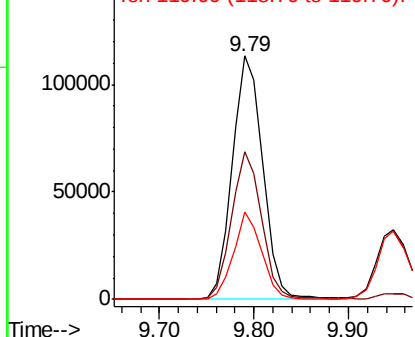
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.79 min Scan# 929
Delta R.T. -0.02 min
Lab File: VF061035.D
Acq: 17 Dec 2018 11:59

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:117 Resp: 253758
Ion Ratio Lower Upper
117 100
82 60.8 46.6 69.8
119 35.8 26.4 39.6

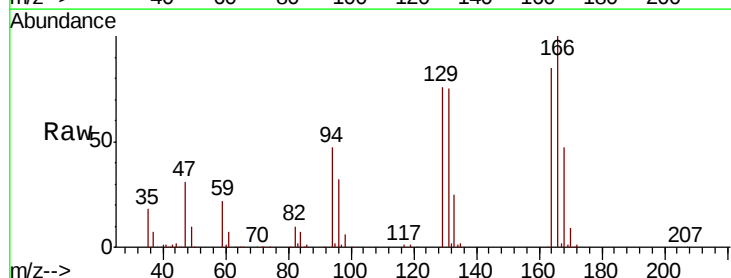


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

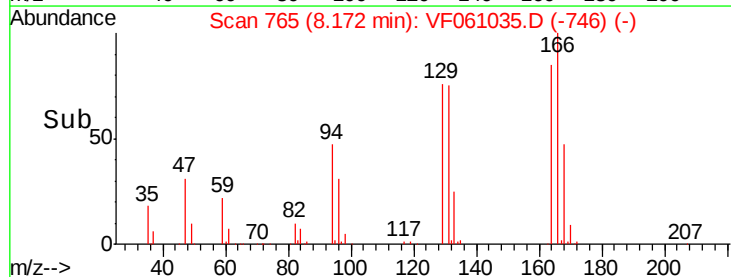
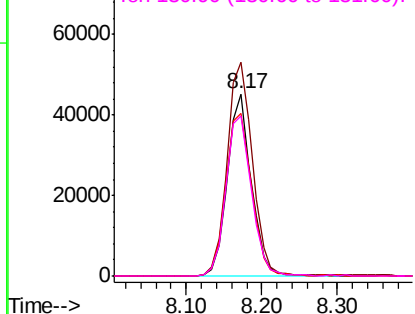


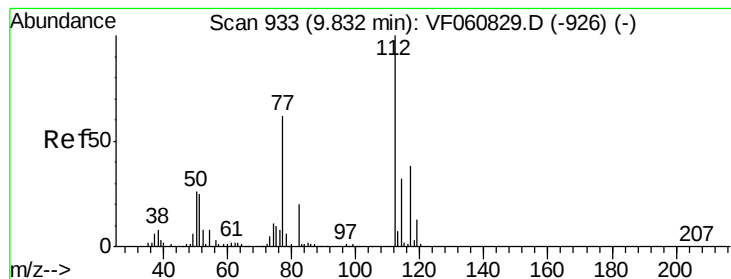
#64
Tetrachloroethene
Concen: 50.568 ug/l
RT: 8.17 min Scan# 765
Delta R.T. -0.01 min
Lab File: VF061035.D
Acq: 17 Dec 2018 11:59

Tgt Ion:164 Resp: 98012
Ion Ratio Lower Upper
164 100
166 117.5 100.3 150.5
129 89.5 77.9 116.9
131 87.8 77.5 116.3



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V





#65

Chlorobenzene

Concen: 54.269 ug/l

RT: 9.81 min Scan# 931

Delta R.T. -0.02 min

Lab File: VF061035.D

Acq: 17 Dec 2018 11:59

Instrument :

MSVOA_F

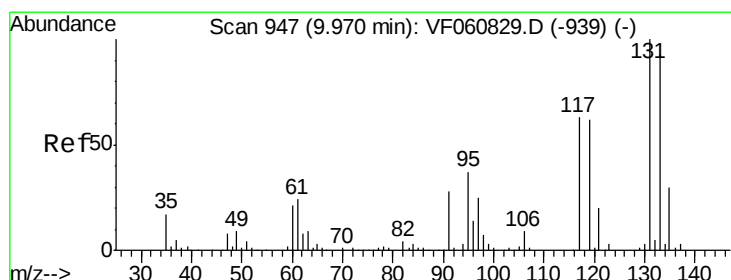
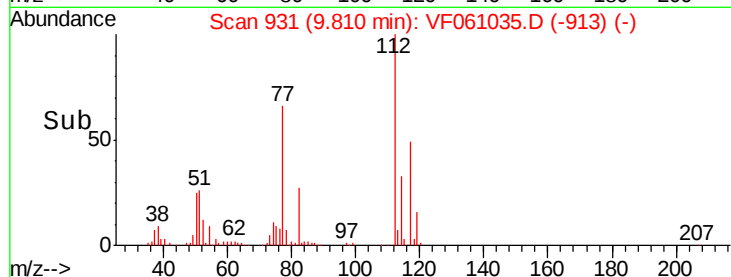
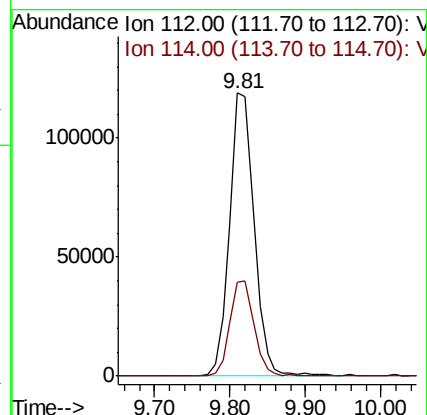
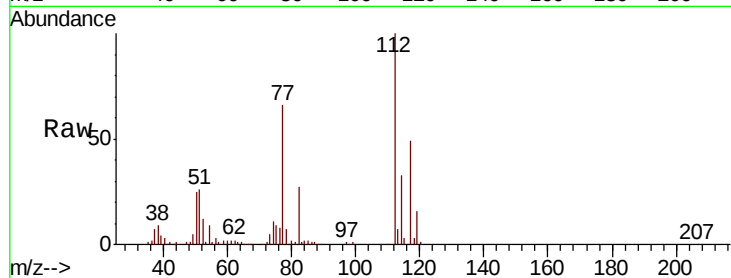
ClientSampleId :

Tot Ion:112 Resp: 267902

Ion Ratio Lower Upper

112 100

114 33.1 26.0 39.0



#66

1,1,1,2-Tetrachloroethane

Concen: 53.158 ug/l

RT: 9.95 min Scan# 945

Delta R.T. -0.02 min

Lab File: VF061035.D

Acq: 17 Dec 2018 11:59

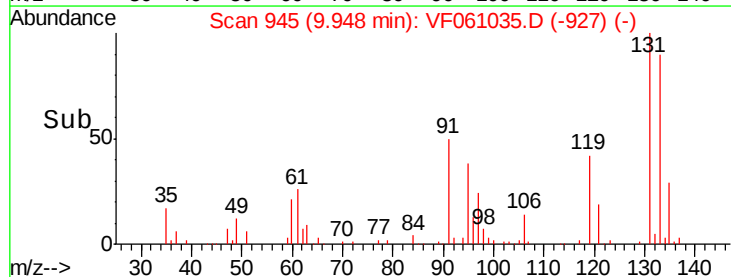
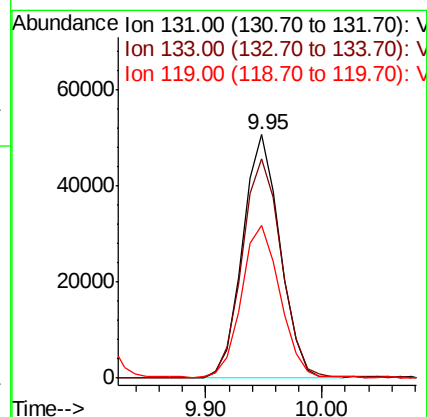
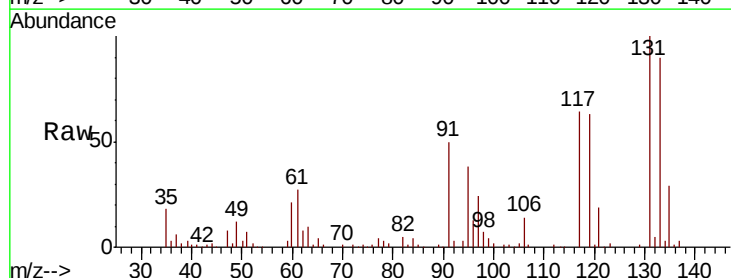
Tgt Ion:131 Resp: 112814

Ion Ratio Lower Upper

131 100

133 89.9 46.5 139.3

119 62.6 31.1 93.3

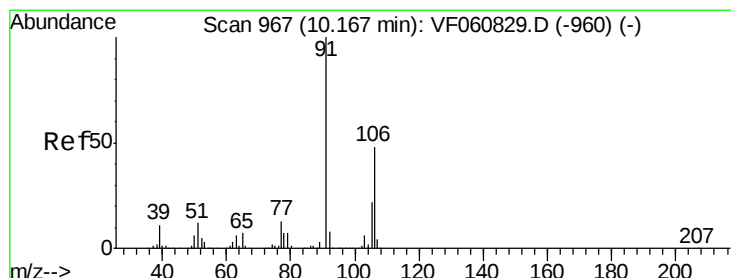
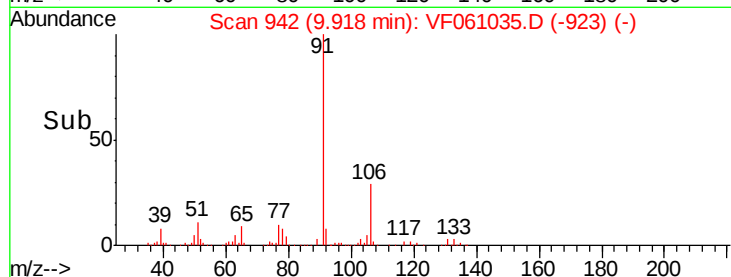
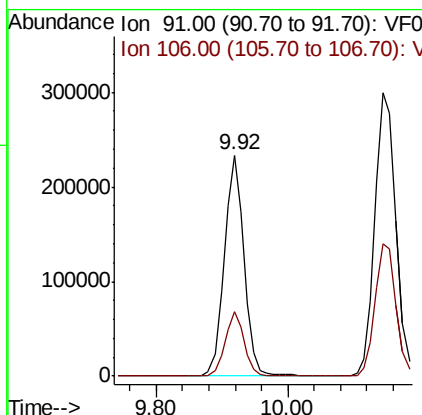
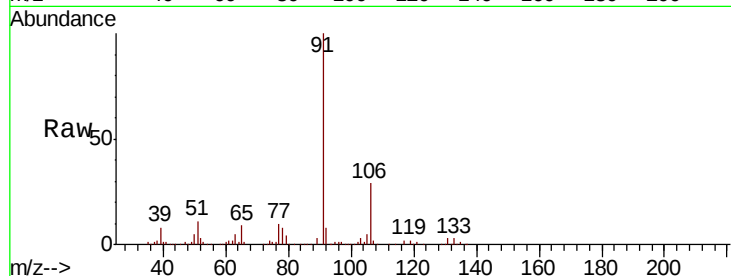




#67
Ethyl Benzene
Concen: 53.488 ug/l
RT: 9.92 min Scan# 942
Delta R.T. -0.01 min
Lab File: VF061035.D
Acq: 17 Dec 2018 11:59

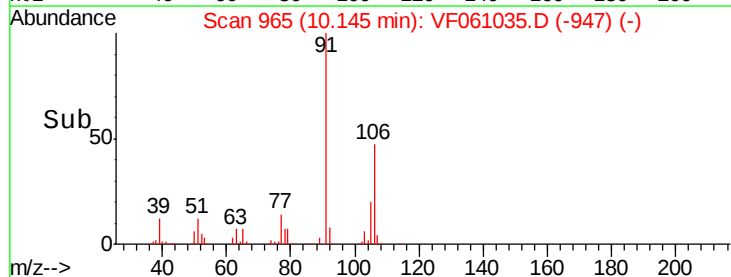
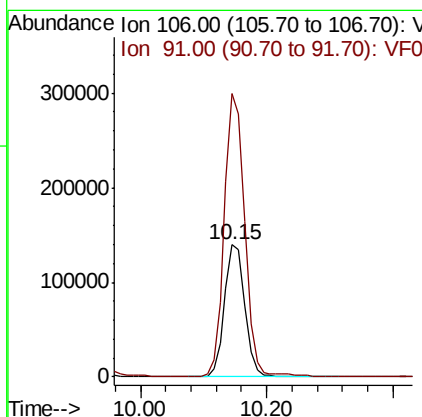
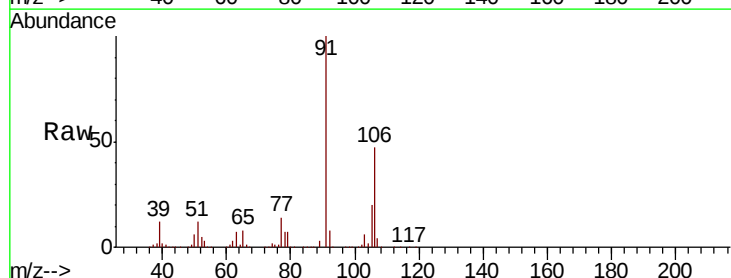
Instrument :
MSVOA_F
ClientSampleId :

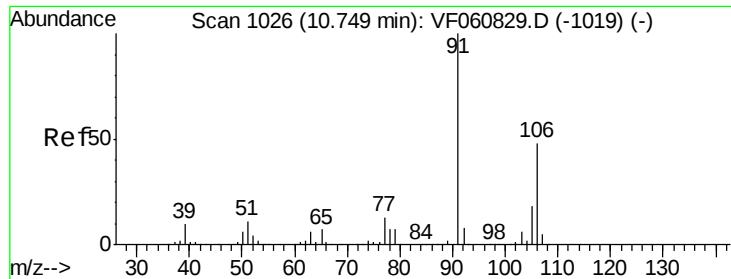
Tot Ion: 91 Resp: 491572
Ion Ratio Lower Upper
91 100
106 29.0 22.2 33.2



#68
m/p-Xylenes
Concen: 95.028 ug/l
RT: 10.15 min Scan# 965
Delta R.T. -0.02 min
Lab File: VF061035.D
Acq: 17 Dec 2018 11:59

Tgt Ion: 106 Resp: 314108
Ion Ratio Lower Upper
106 100
91 214.7 166.7 250.1

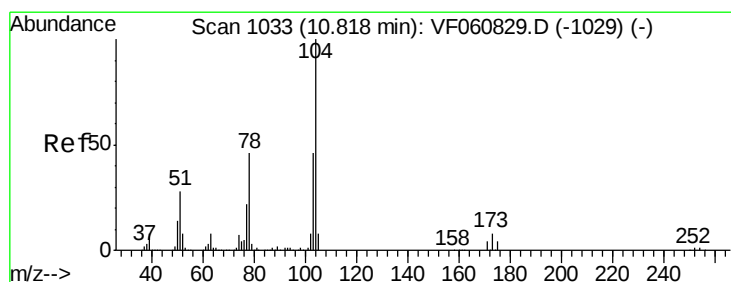
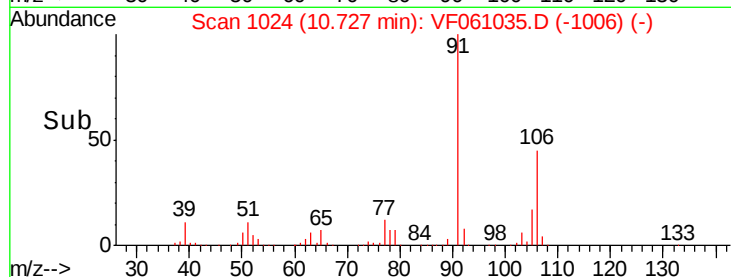
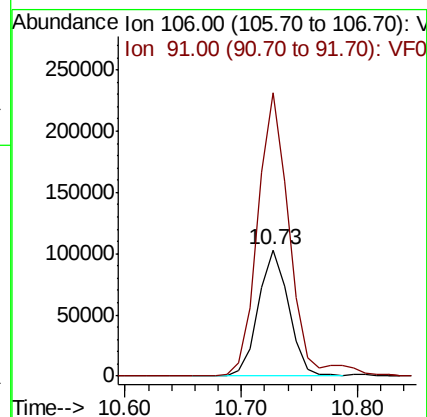
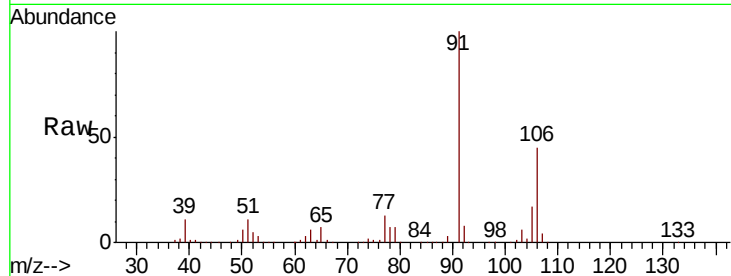




#69
o-Xylene
Concen: 51.073 ug/l
RT: 10.73 min Scan# 1024
Delta R.T. -0.02 min
Lab File: VF061035.D
Acq: 17 Dec 2018 11:59

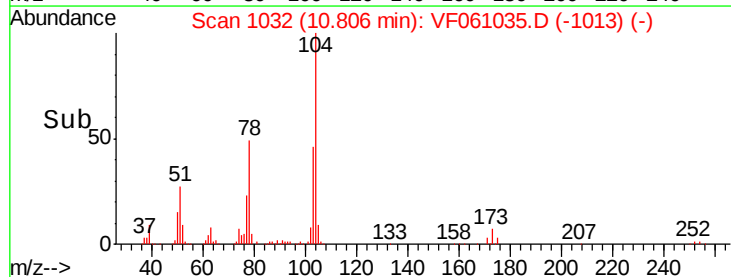
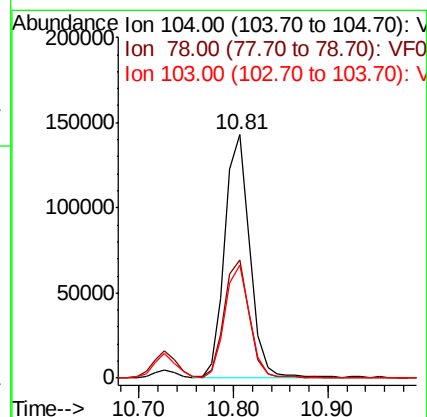
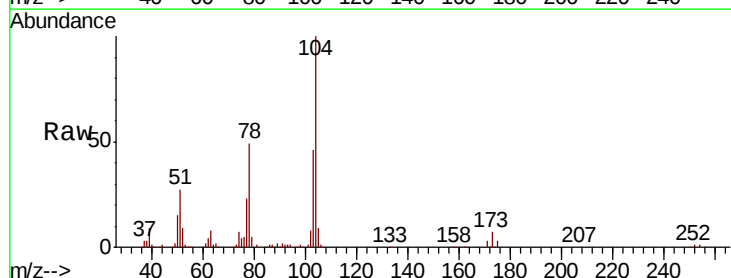
Instrument :
MSVOA_F
ClientSampled :

Tot Ion:106 Resp: 186158
Ion Ratio Lower Upper
106 100
91 224.5 104.8 314.6



#70
Styrene
Concen: 51.761 ug/l
RT: 10.81 min Scan# 1032
Delta R.T. -0.01 min
Lab File: VF061035.D
Acq: 17 Dec 2018 11:59

Tgt Ion:104 Resp: 261530
Ion Ratio Lower Upper
104 100
78 48.6 37.3 55.9
103 46.3 36.8 55.2





#71

Bromoform

Concen: 54.558 ug/l

RT: 10.79 min Scan# 1030

Delta R.T. -0.02 min

Lab File: VF061035.D

Acq: 17 Dec 2018 11:59

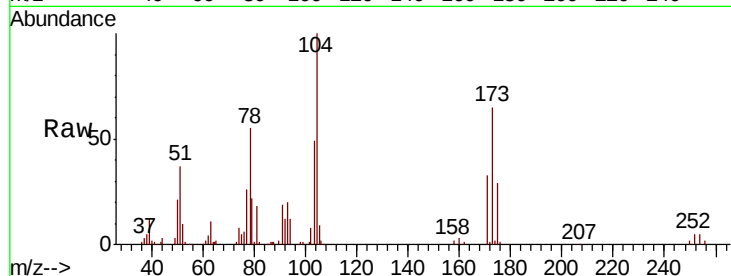
Instrument :

MSVOA_F

ClientSampleId :

Tot Ion:173 Resp: 55927

Ion	Ratio	Lower	Upper
173	100		
175	45.6	25.5	76.5
254	8.2	7.5	11.3

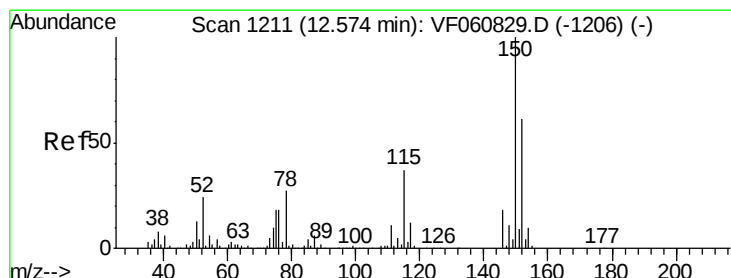
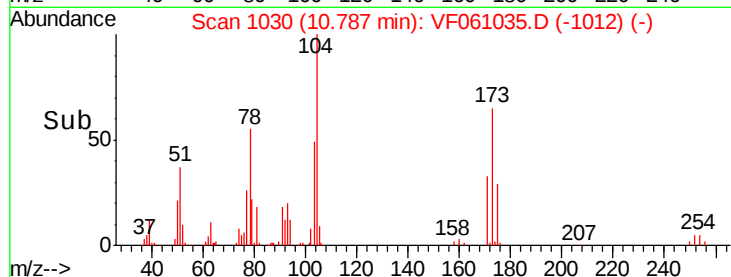
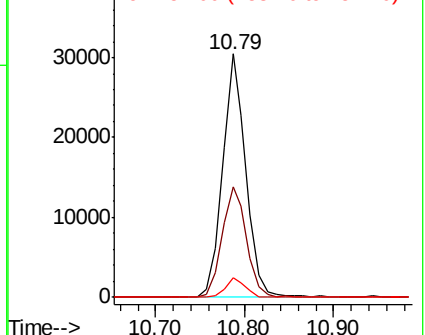


Abundance

Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.56 min Scan# 1210

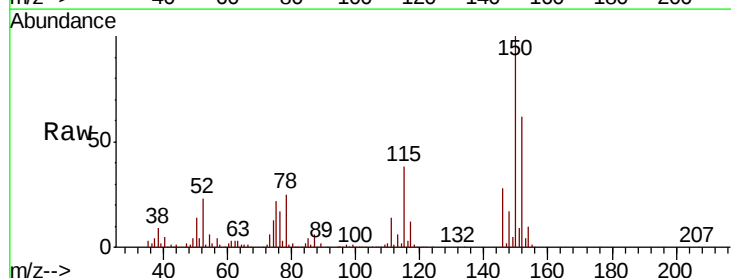
Delta R.T. -0.01 min

Lab File: VF061035.D

Acq: 17 Dec 2018 11:59

Tgt Ion:152 Resp: 130413

Ion	Ratio	Lower	Upper
152	100		
115	60.9	30.1	90.5
150	160.9	0.0	327.6

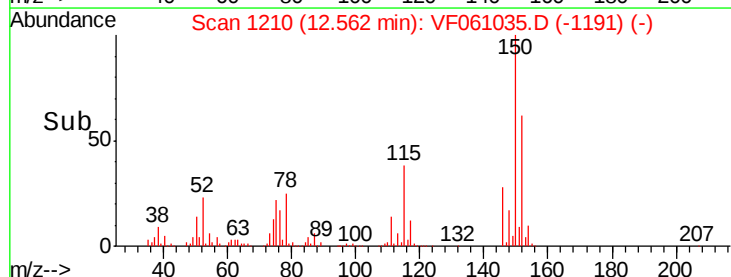
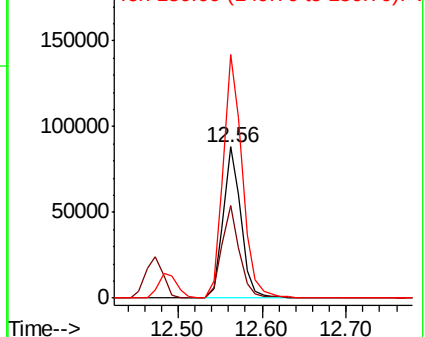


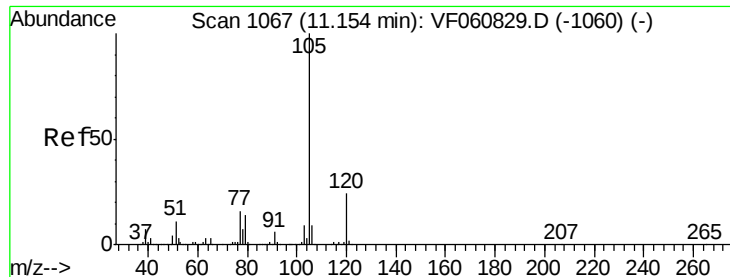
Abundance

Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 54.369 ug/l

RT: 11.14 min Scan# 1066

Delta R.T. -0.01 min

Lab File: VF061035.D

Acq: 17 Dec 2018 11:59

Instrument :

MSVOA_F

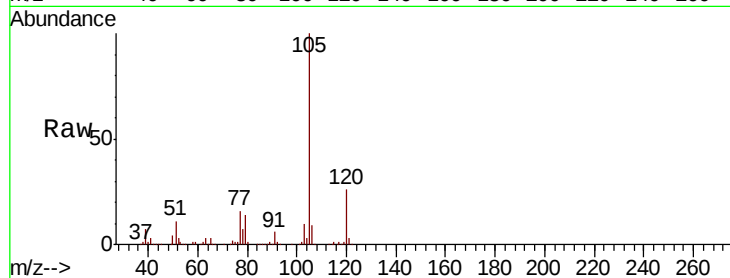
ClientSampleId :

Tot Ion:105 Resp: 560329

Ion Ratio Lower Upper

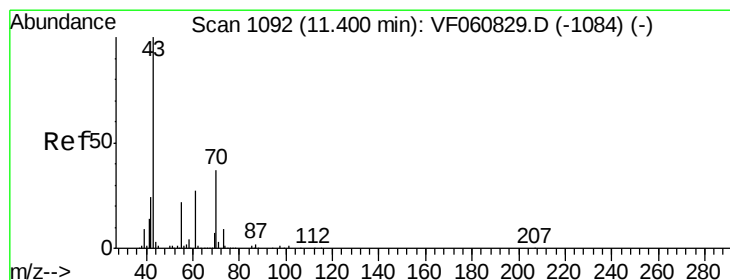
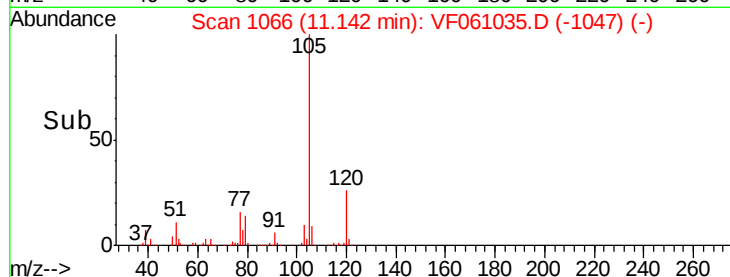
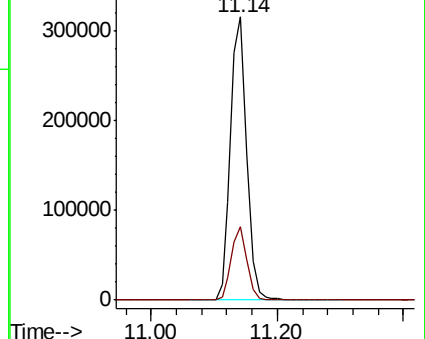
105 100

120 26.1 12.2 36.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 56.270 ug/l

RT: 11.39 min Scan# 1091

Delta R.T. -0.01 min

Lab File: VF061035.D

Acq: 17 Dec 2018 11:59

Tgt Ion: 43 Resp: 133910

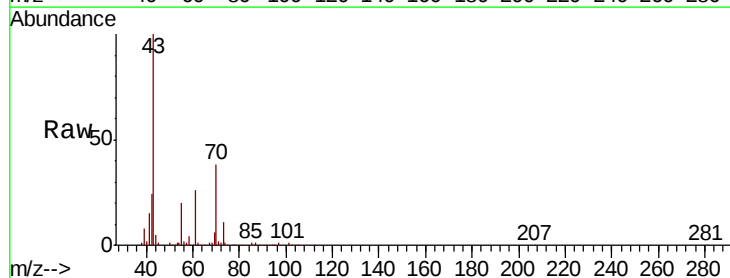
Ion Ratio Lower Upper

43 100

70 37.6 29.6 44.4

55 20.1 17.2 25.8

61 25.9 21.8 32.6

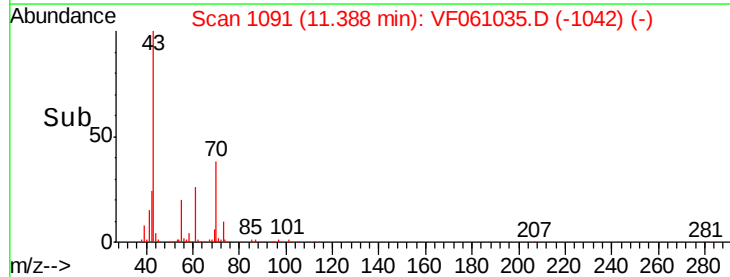
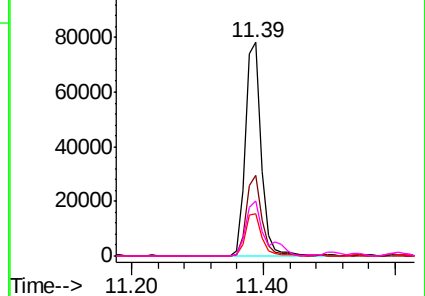


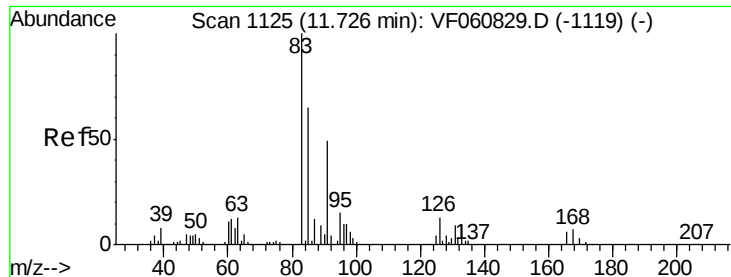
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 53.001 ug/l

RT: 11.70 min Scan# 1123

Delta R.T. -0.02 min

Lab File: VF061035.D

Acq: 17 Dec 2018 11:59

Instrument :

MSVOA_F

ClientSampleId :

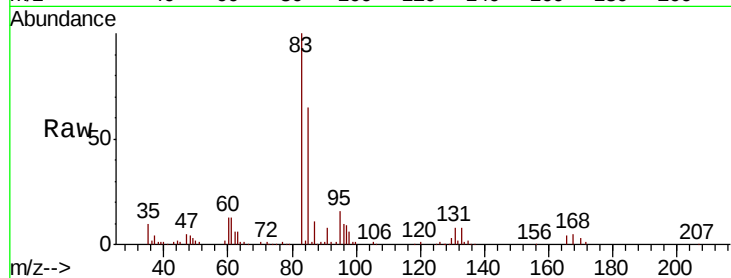
Tot Ion: 83 Resp: 89896

Ion Ratio Lower Upper

83 100

131 8.5 4.7 14.1

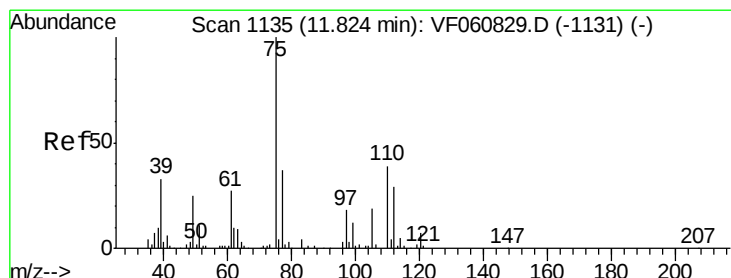
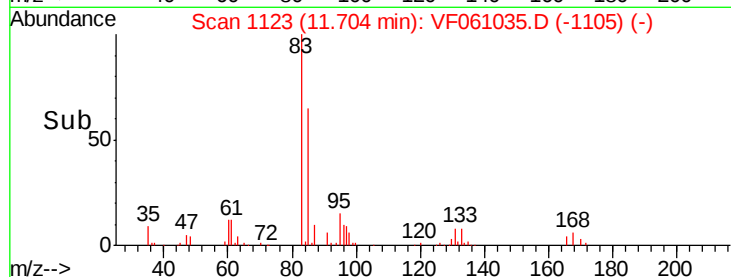
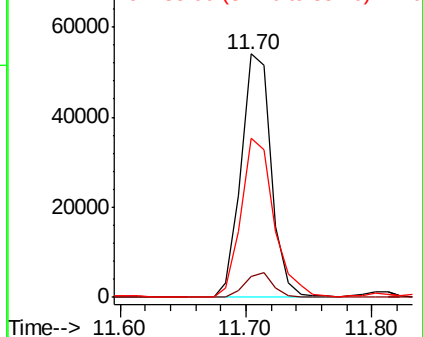
85 65.3 32.6 97.8



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): VF0

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 55.307 ug/l

RT: 11.81 min Scan# 1134

Delta R.T. -0.01 min

Lab File: VF061035.D

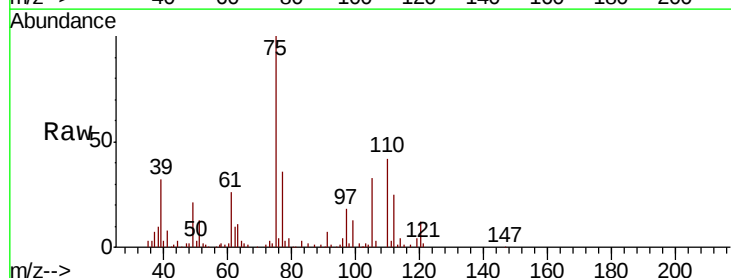
Acq: 17 Dec 2018 11:59

Tgt Ion: 75 Resp: 68186

Ion Ratio Lower Upper

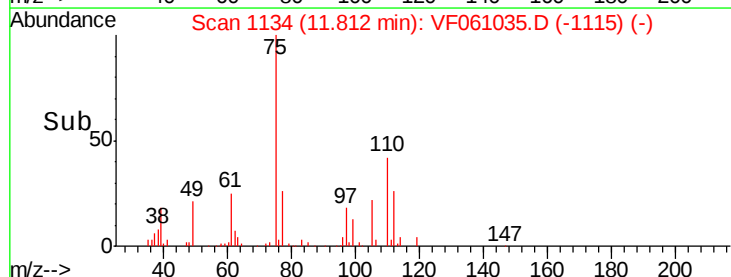
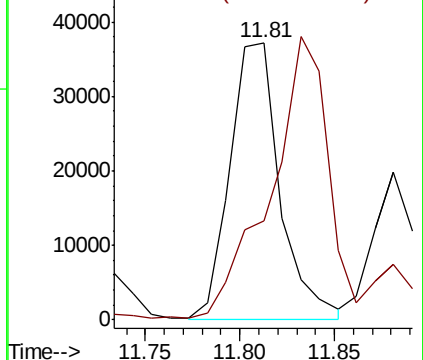
75 100

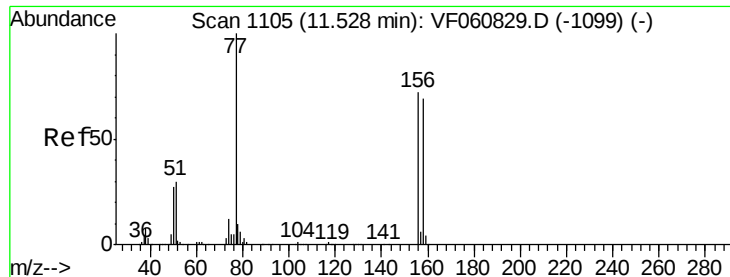
77 35.8 18.4 55.4



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 51.733 ug/l

RT: 11.51 min Scan# 1103

Delta R.T. -0.02 min

Lab File: VF061035.D

Acq: 17 Dec 2018 11:59

Instrument :

MSVOA_F

ClientSampled :

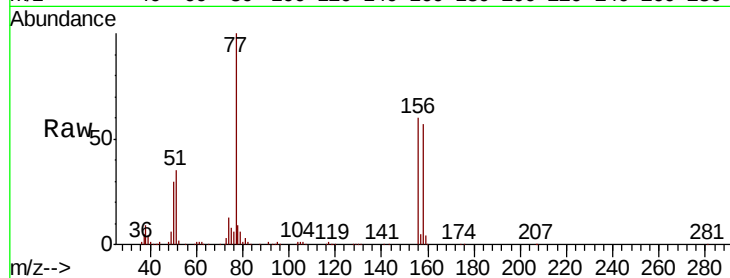
Tot Ion:156 Resp: 116887

Ion Ratio Lower Upper

156 100

77 166.2 69.7 209.0

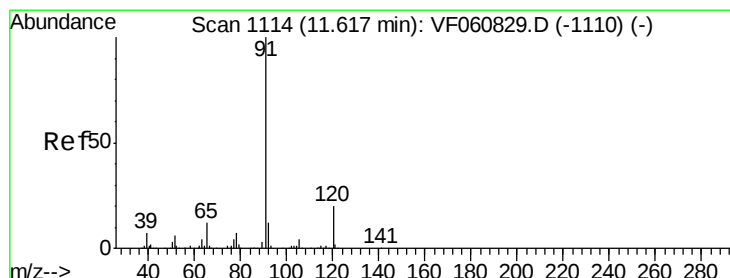
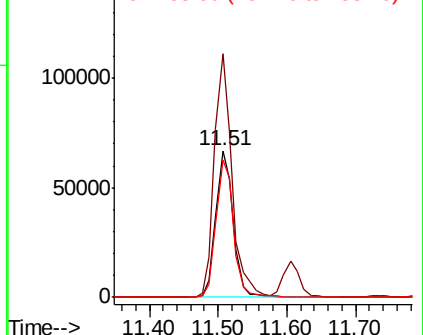
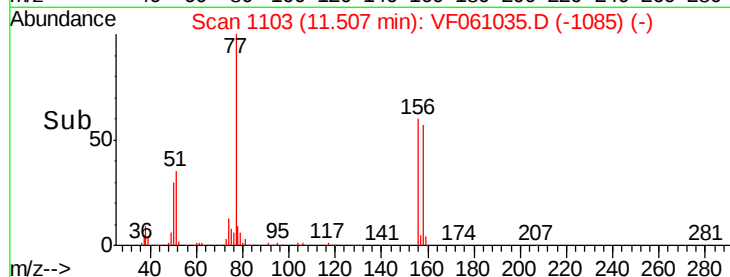
158 94.1 47.8 143.4



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 51.116 ug/l

RT: 11.61 min Scan# 1113

Delta R.T. -0.01 min

Lab File: VF061035.D

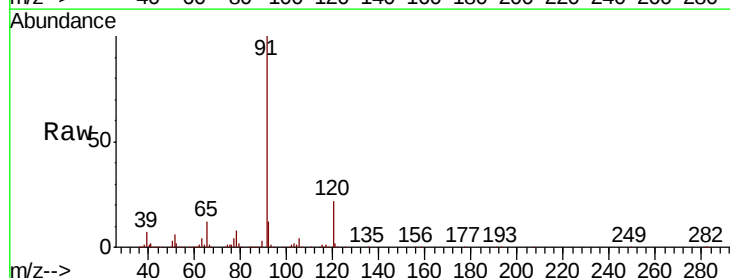
Acq: 17 Dec 2018 11:59

Tgt Ion: 91 Resp: 616919

Ion Ratio Lower Upper

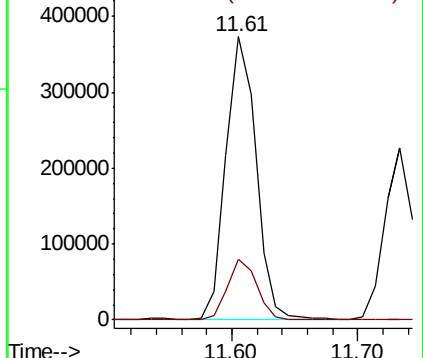
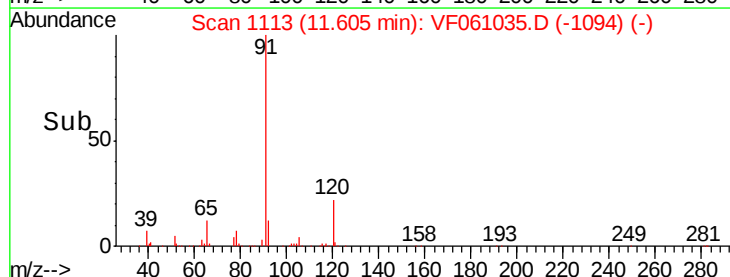
91 100

120 21.6 10.3 30.8



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

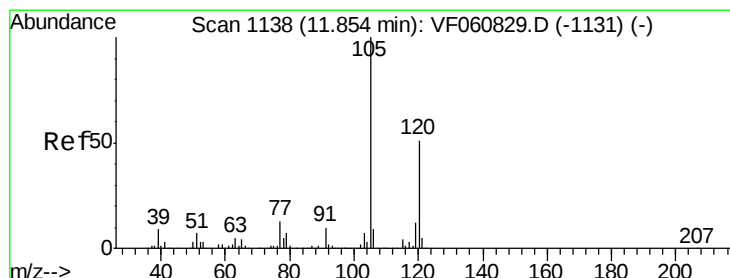
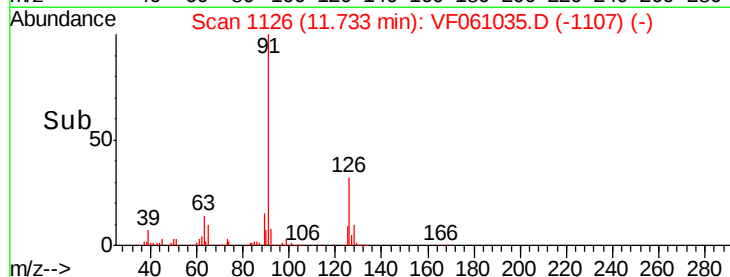
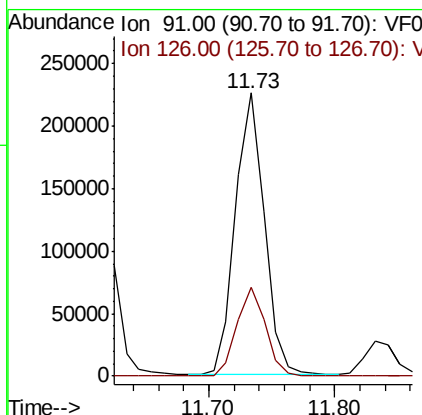
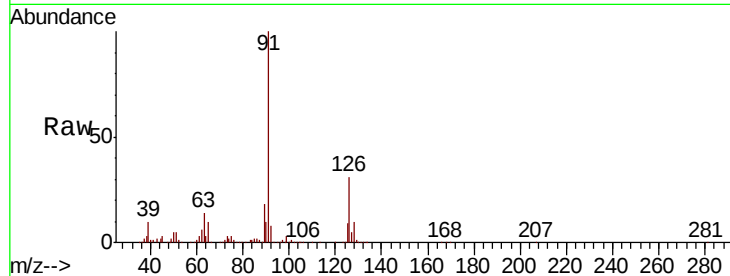




#79
 2-Chlorotoluene
 Concen: 51.726 ug/l
 RT: 11.73 min Scan# 1126
 Delta R.T. -0.01 min
 Lab File: VF061035.D
 Acq: 17 Dec 2018 11:59

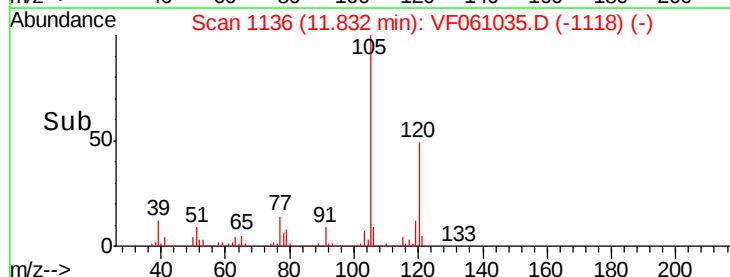
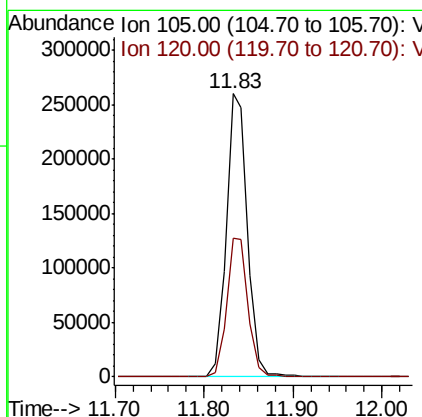
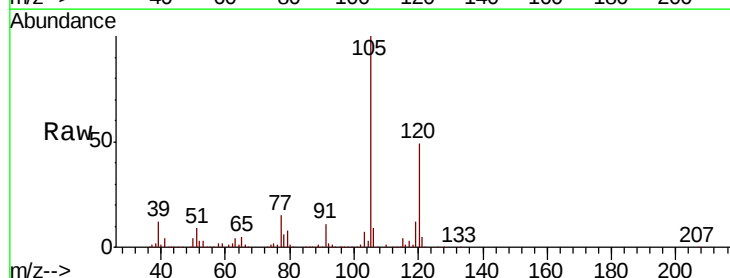
Instrument :
 MSVOA_F
 ClientSampleId :

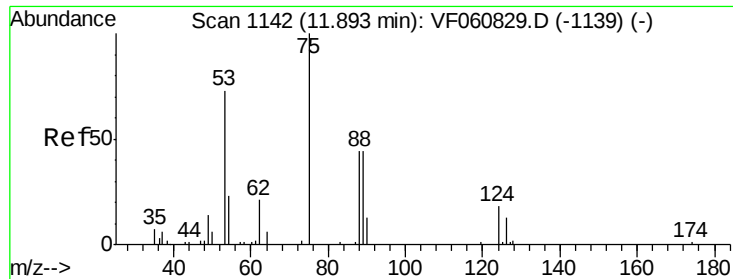
Tot Ion: 91 Resp: 357959
 Ion Ratio Lower Upper
 91 100
 126 31.5 15.9 47.6



#80
 1,3,5-Trimethylbenzene
 Concen: 52.230 ug/l
 RT: 11.83 min Scan# 1136
 Delta R.T. -0.02 min
 Lab File: VF061035.D
 Acq: 17 Dec 2018 11:59

Tgt Ion: 105 Resp: 436981
 Ion Ratio Lower Upper
 105 100
 120 49.1 25.8 77.3

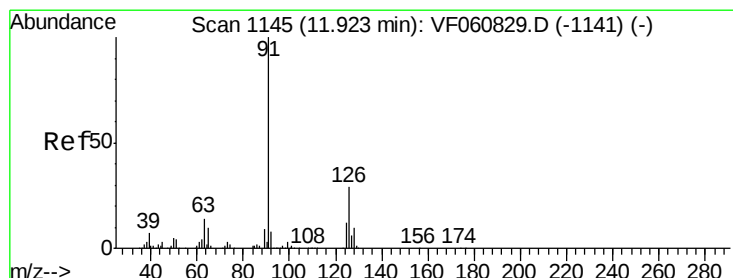
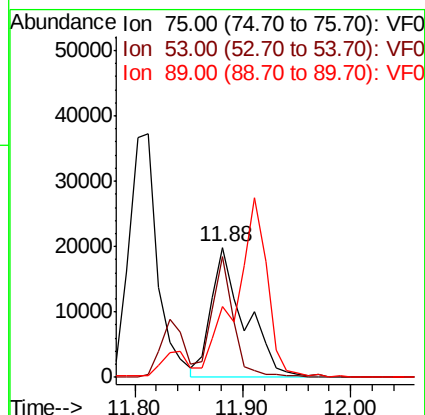
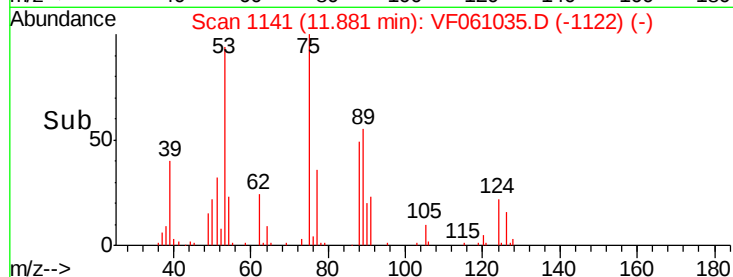
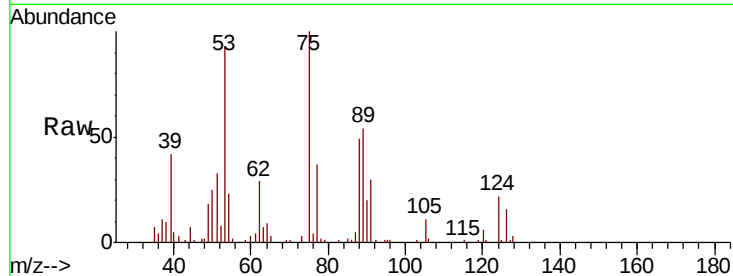




#81
trans-1,4-Dichloro-2-butene
Concen: 71.647 ug/l
RT: 11.88 min Scan# 1141
Delta R.T. -0.01 min
Lab File: VF061035.D
Acq: 17 Dec 2018 11:59

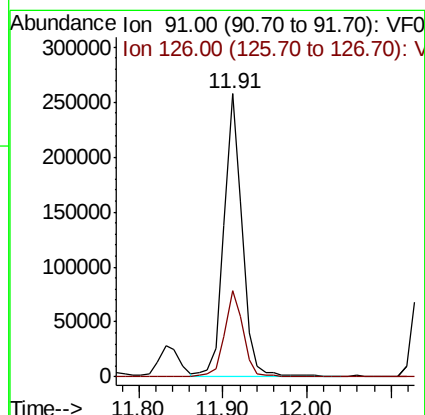
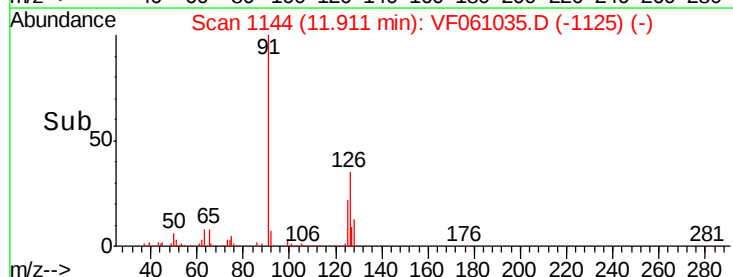
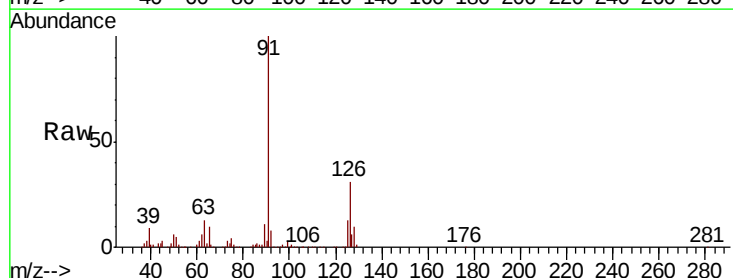
Instrument :
MSVOA_F
ClientSampleId :

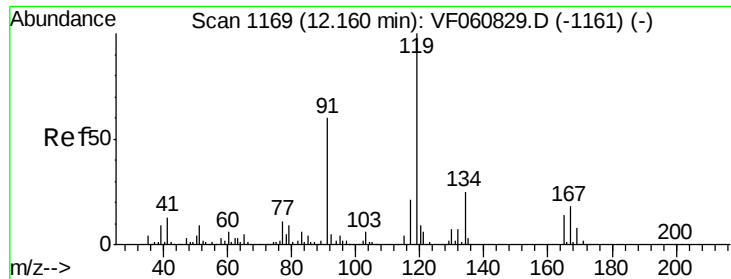
Tot Ion: 75 Resp: 43279
Ion Ratio Lower Upper
75 100
53 93.4 65.9 98.9
89 54.5 38.8 58.2



#82
4-Chlorotoluene
Concen: 52.427 ug/l
RT: 11.91 min Scan# 1144
Delta R.T. -0.01 min
Lab File: VF061035.D
Acq: 17 Dec 2018 11:59

Tgt Ion: 91 Resp: 381808
Ion Ratio Lower Upper
91 100
126 30.6 14.8 44.4

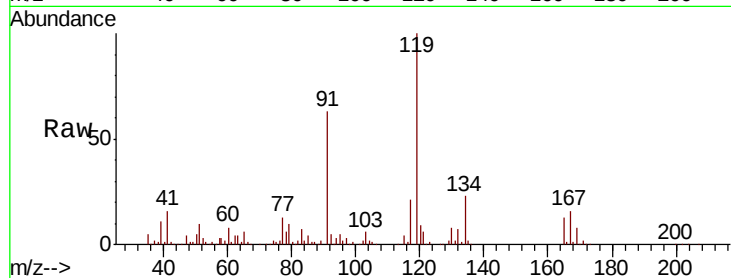




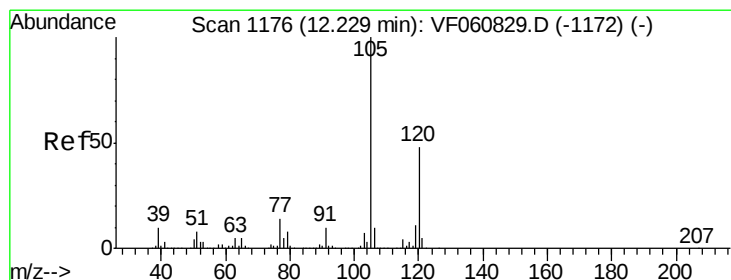
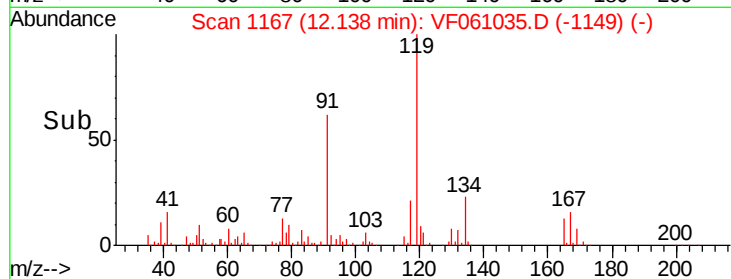
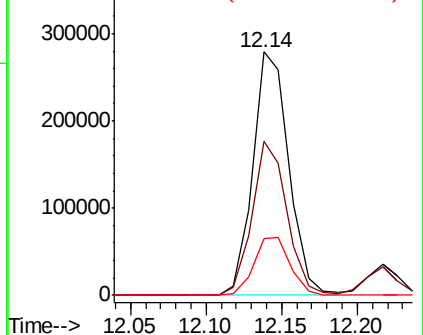
#83
 tert-Butylbenzene
 Concen: 54.078 ug/l
 RT: 12.14 min Scan# 1167
 Delta R.T. -0.02 min
 Lab File: VF061035.D
 Acq: 17 Dec 2018 11:59

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.3	30.1	90.3
134	23.5	12.6	37.8

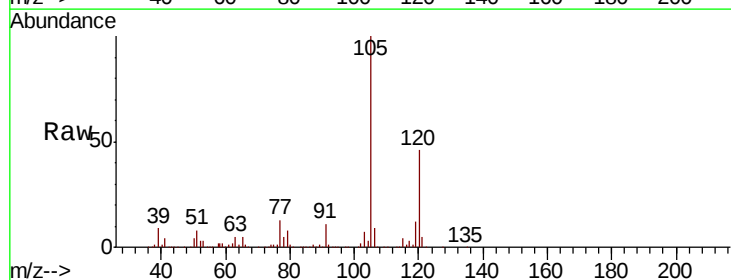


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VF0
 Ion 134.00 (133.70 to 134.70): V

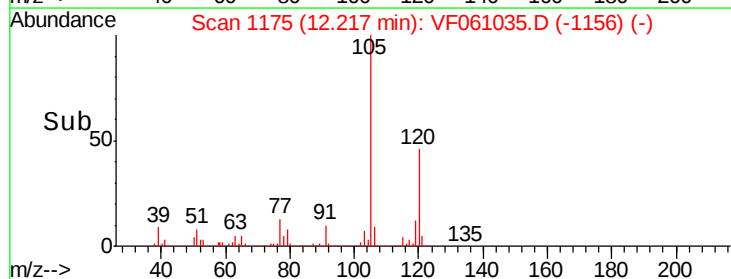
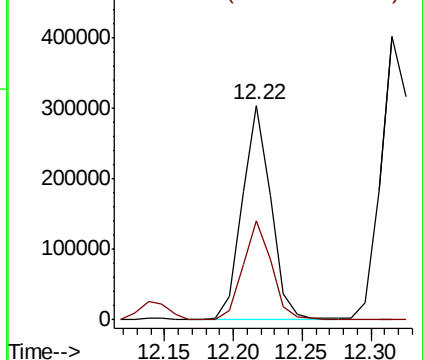


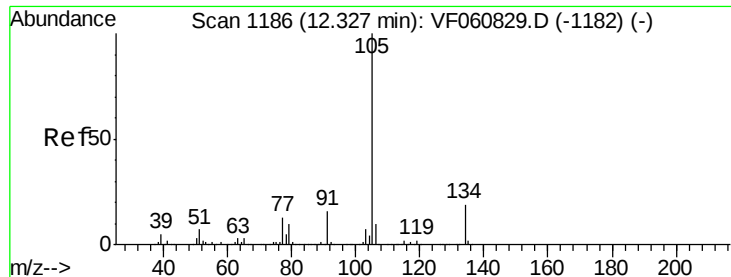
#84
 1,2,4-Trimethylbenzene
 Concen: 52.996 ug/l
 RT: 12.22 min Scan# 1175
 Delta R.T. -0.01 min
 Lab File: VF061035.D
 Acq: 17 Dec 2018 11:59

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.3	23.8	71.5



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 52.593 ug/l

RT: 12.32 min Scan# 1185

Delta R.T. -0.01 min

Lab File: VF061035.D

Acq: 17 Dec 2018 11:59

Instrument :

MSVOA_F

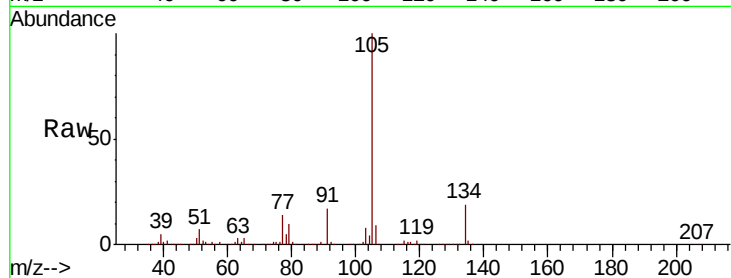
ClientSampleId :

Tot Ion:105 Resp: 613581

Ion Ratio Lower Upper

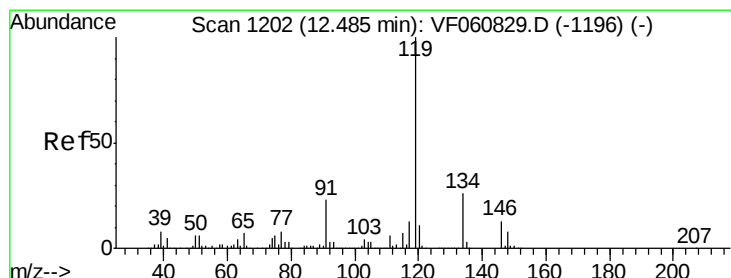
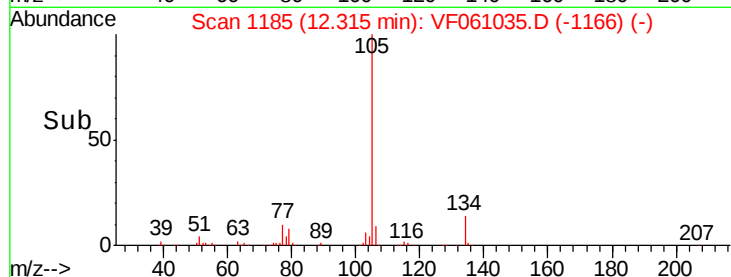
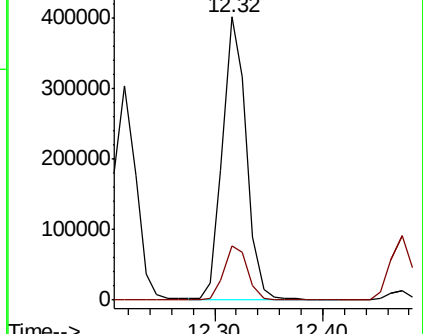
105 100

134 19.1 9.5 28.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 52.558 ug/l

RT: 12.47 min Scan# 1201

Delta R.T. -0.01 min

Lab File: VF061035.D

Acq: 17 Dec 2018 11:59

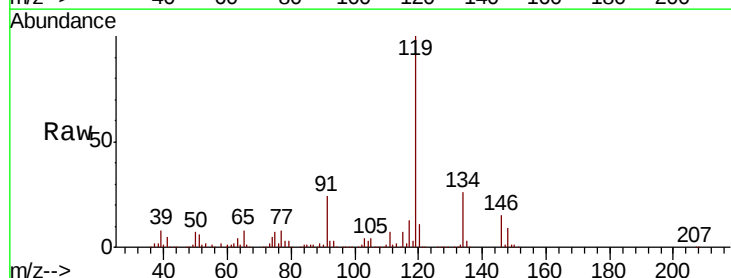
Tgt Ion:119 Resp: 514080

Ion Ratio Lower Upper

119 100

134 26.1 12.9 38.6

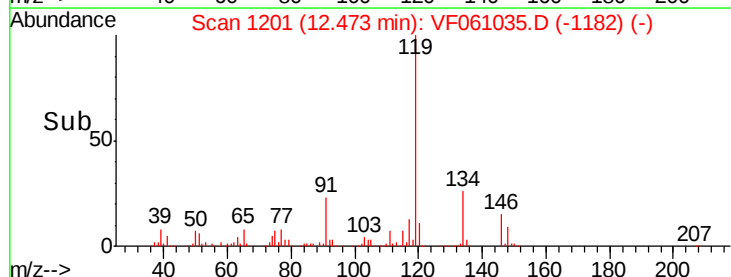
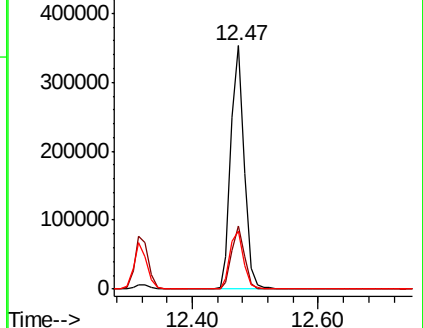
91 23.6 11.8 35.3

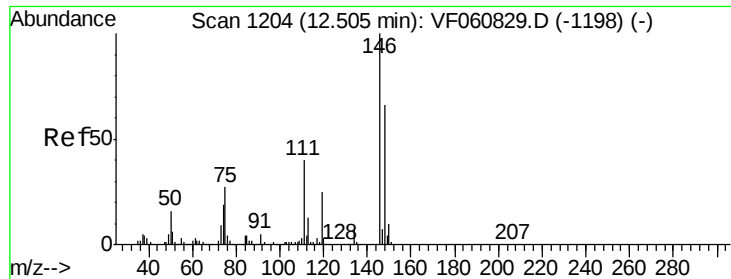


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 50.813 ug/l

RT: 12.48 min Scan# 1202

Delta R.T. -0.02 min

Lab File: VF061035.D

Acq: 17 Dec 2018 11:59

Instrument :

MSVOA_F

ClientSampleId :

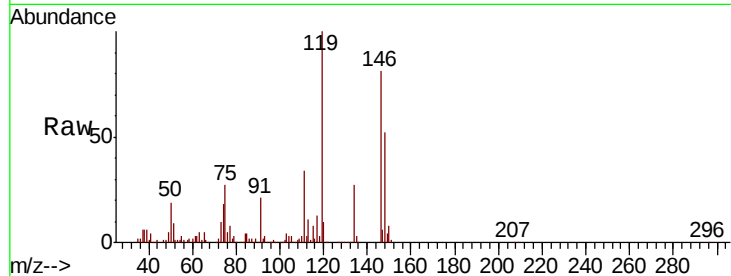
Tot Ion:146 Resp: 218386

Ion Ratio Lower Upper

146 100

111 41.4 20.0 59.9

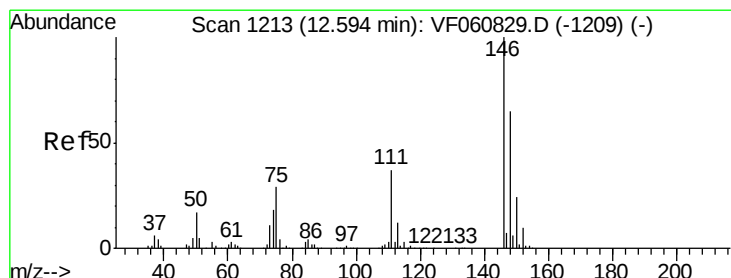
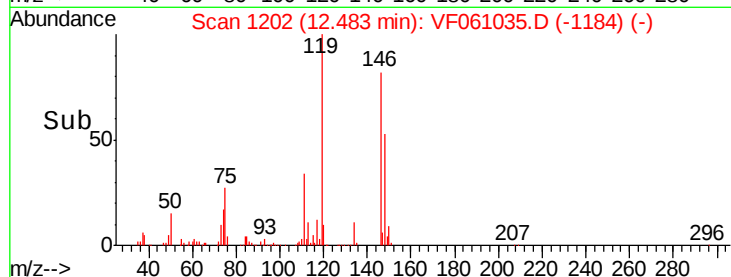
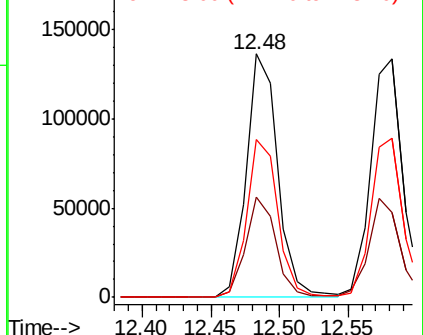
148 64.7 32.9 98.6



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,4-Dichlorobenzene

Concen: 52.529 ug/l

RT: 12.58 min Scan# 1212

Delta R.T. -0.01 min

Lab File: VF061035.D

Acq: 17 Dec 2018 11:59

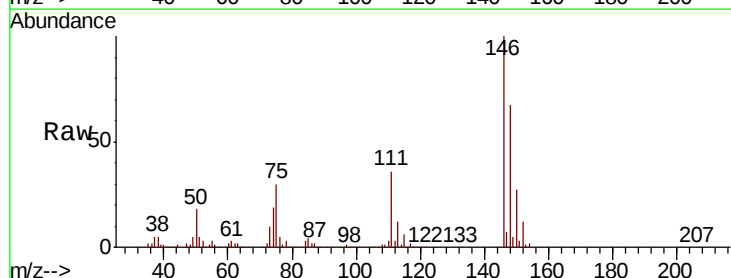
Tgt Ion:146 Resp: 220012

Ion Ratio Lower Upper

146 100

111 35.8 18.9 56.7

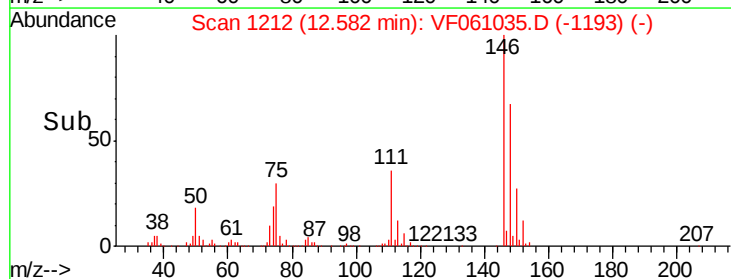
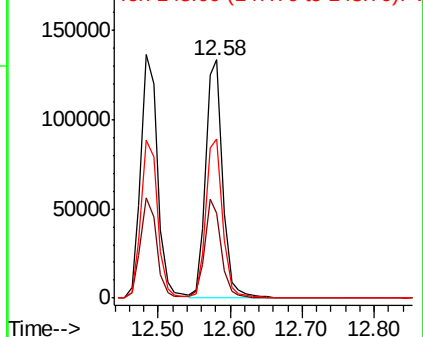
148 67.1 32.3 96.9

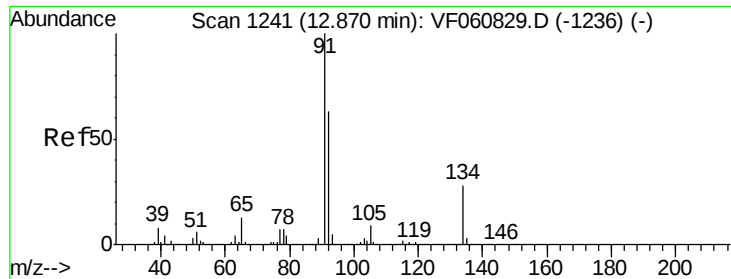


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

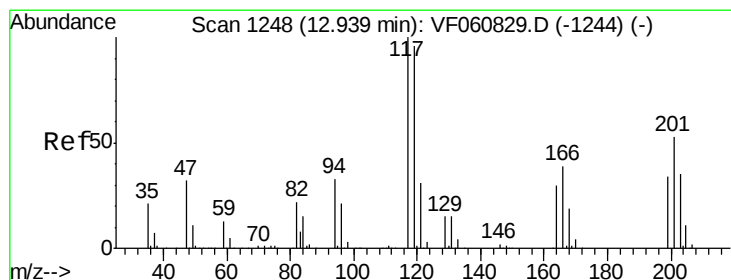
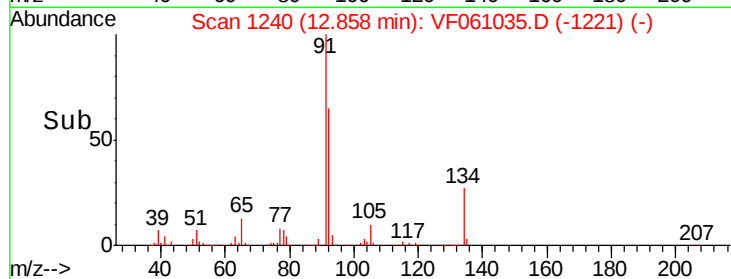
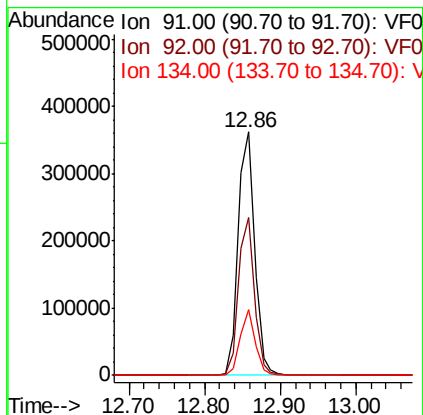
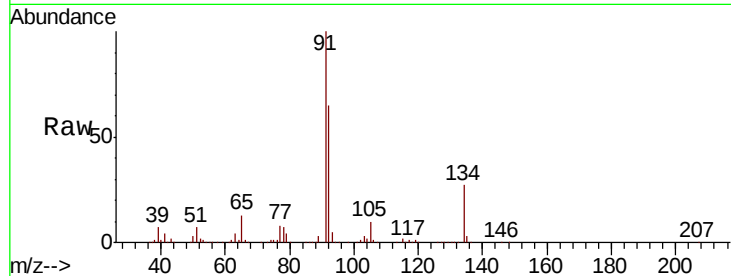




#89
n-Butylbenzene
Concen: 54.570 ug/l
RT: 12.86 min Scan# 1240
Delta R.T. -0.01 min
Lab File: VF061035.D
Acq: 17 Dec 2018 11:59

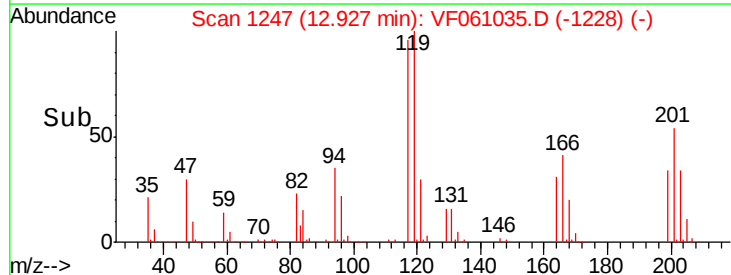
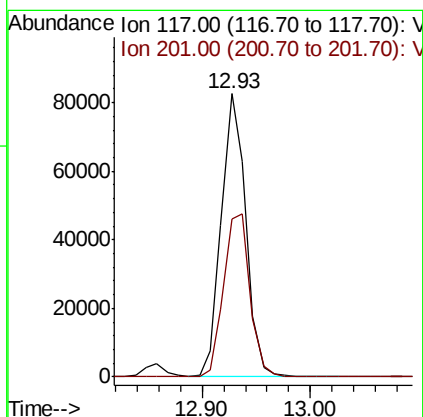
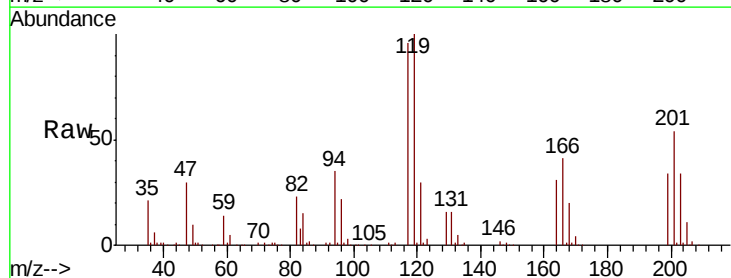
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 91 Resp: 539724
Ion Ratio Lower Upper
91 100
92 64.8 31.6 94.7
134 27.2 13.8 41.4



#90
Hexachloroethane
Concen: 55.078 ug/l
RT: 12.93 min Scan# 1247
Delta R.T. -0.01 min
Lab File: VF061035.D
Acq: 17 Dec 2018 11:59

Tgt Ion: 117 Resp: 129728
Ion Ratio Lower Upper
117 100
201 55.7 26.7 80.1





#91

1,2-Dichlorobenzene

Concen: 53.107 ug/l

RT: 12.96 min Scan# 1250

Delta R.T. -0.01 min

Lab File: VF061035.D

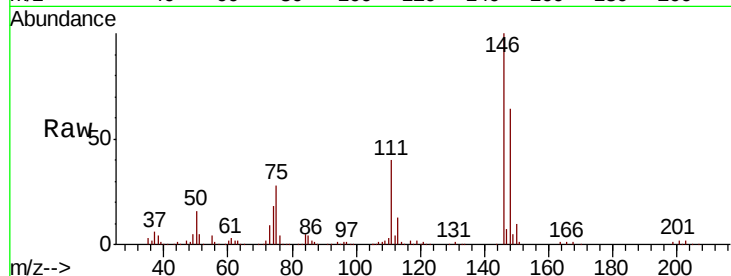
Acq: 17 Dec 2018 11:59

Instrument :

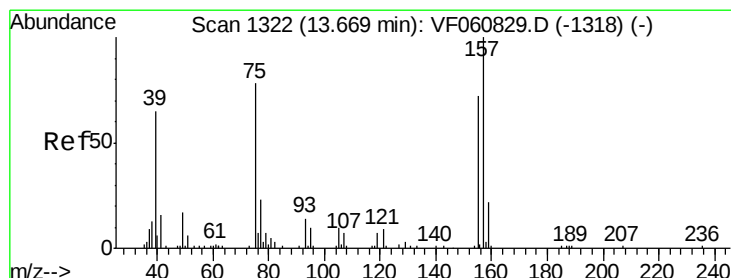
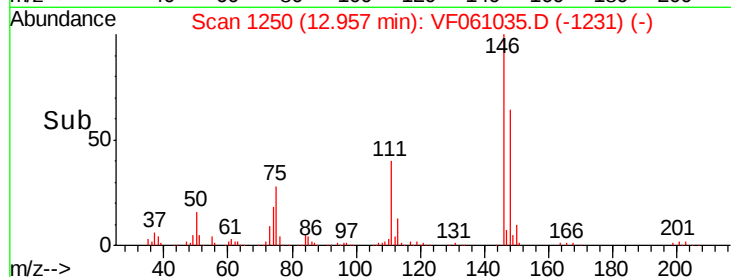
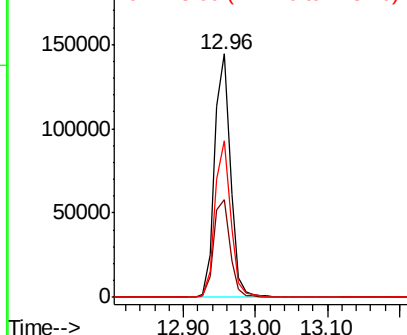
MSVOA_F

ClientSampleId :

Tot Ion:	146	Resp:	216145
Ion	Ratio	Lower	Upper
146	100		
111	40.1	21.2	63.6
148	64.4	32.5	97.5



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 55.091 ug/l

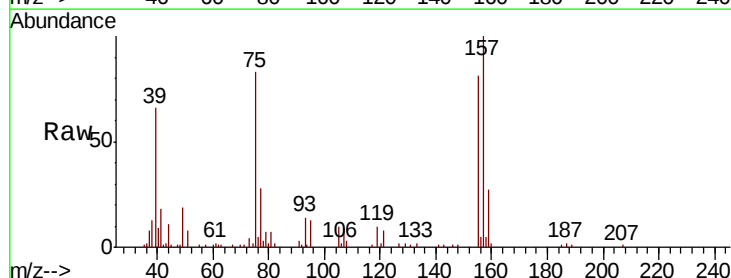
RT: 13.66 min Scan# 1321

Delta R.T. -0.01 min

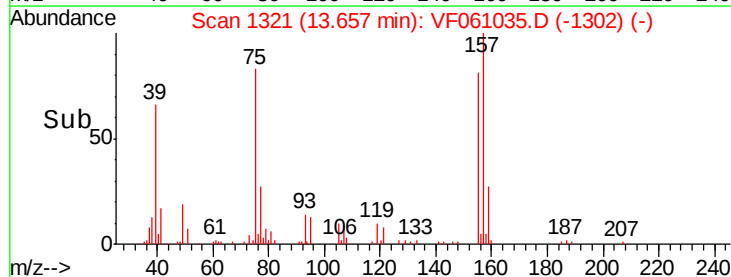
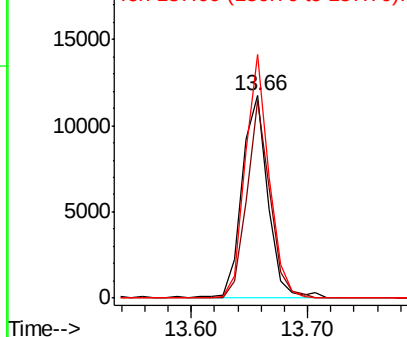
Lab File: VF061035.D

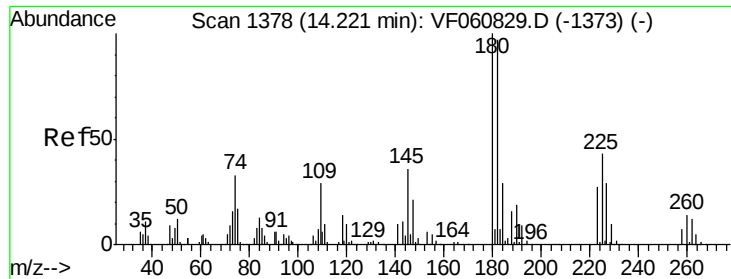
Acq: 17 Dec 2018 11:59

Tgt Ion:	75	Resp:	18066
Ion	Ratio	Lower	Upper
75	100		
155	97.3	45.6	136.9
157	120.4	63.8	191.5



Abundance Ion 75.00 (74.70 to 75.70): VF0
Ion 155.00 (154.70 to 155.70): V
Ion 157.00 (156.70 to 157.70): V

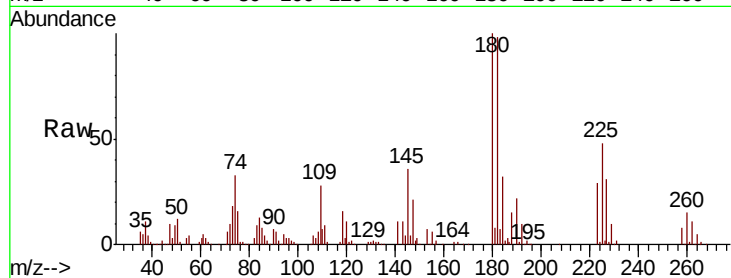




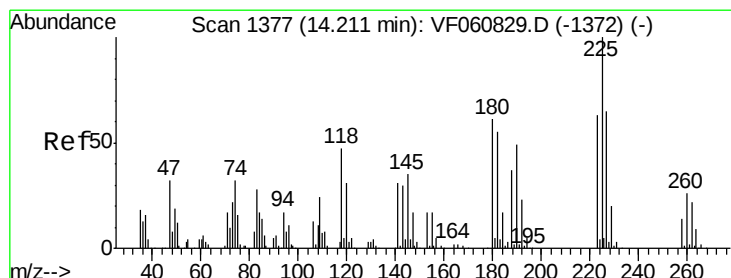
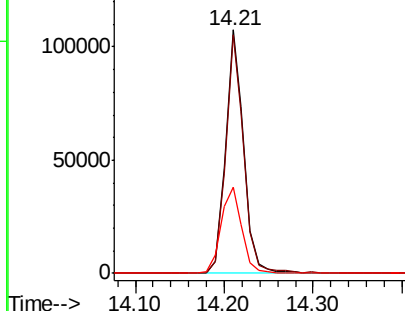
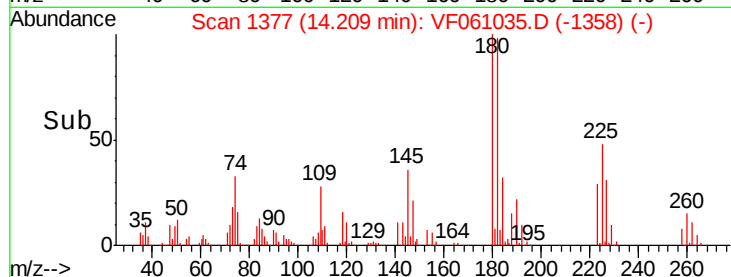
#93
 1,2,4-Trichlorobenzene
 Concen: 54.704 ug/l
 RT: 14.21 min Scan# 1377
 Delta R.T. -0.01 min
 Lab File: VF061035.D
 Acq: 17 Dec 2018 11:59

Instrument :
 MSVOA_F
 ClientSampled :

Tot Ion:180 Resp: 155568
 Ion Ratio Lower Upper
 180 100
 182 97.7 48.5 145.5
 145 35.5 18.1 54.3

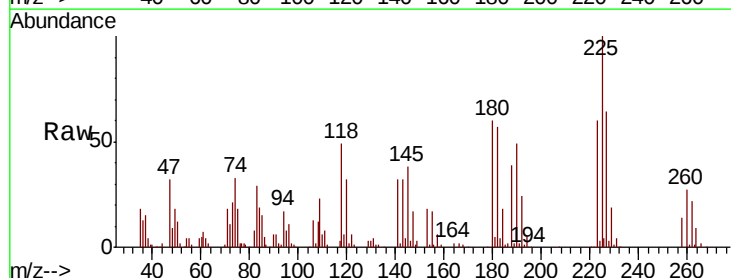


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

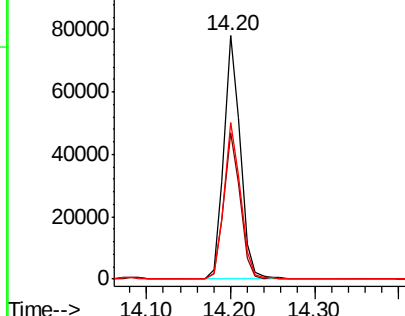
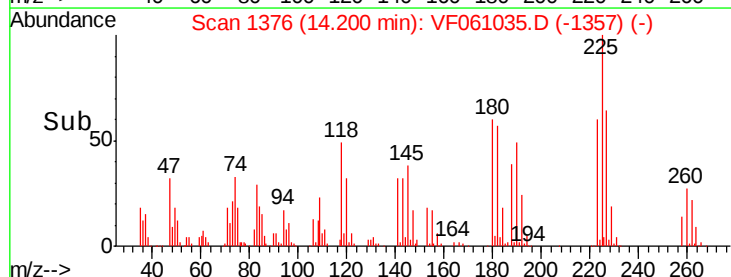


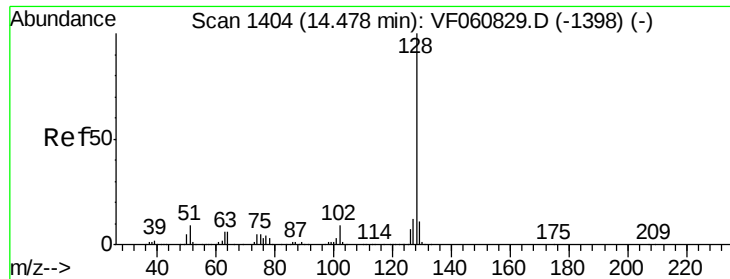
#94
 Hexachlorobutadiene
 Concen: 56.425 ug/l
 RT: 14.20 min Scan# 1376
 Delta R.T. -0.01 min
 Lab File: VF061035.D
 Acq: 17 Dec 2018 11:59

Tgt Ion:225 Resp: 106967
 Ion Ratio Lower Upper
 225 100
 223 59.9 31.4 94.3
 227 64.5 32.5 97.5



Abundance Ion 225.00 (224.70 to 225.70): V
 Ion 223.00 (222.70 to 223.70): V
 Ion 227.00 (226.70 to 227.70): V

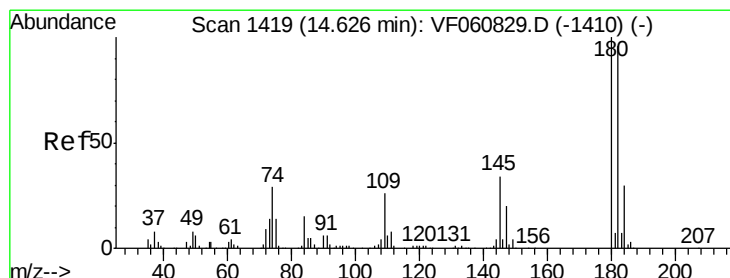
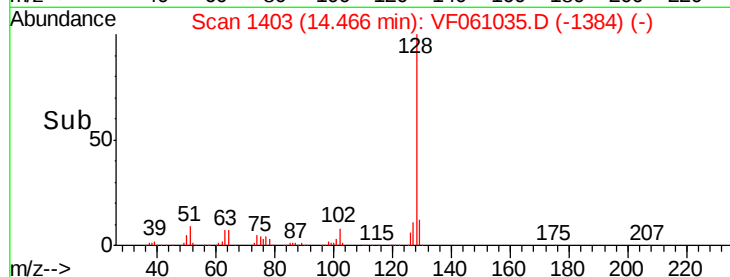
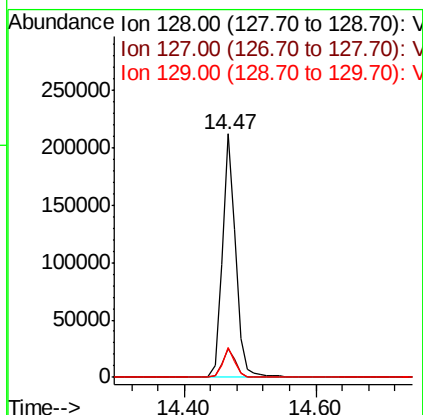
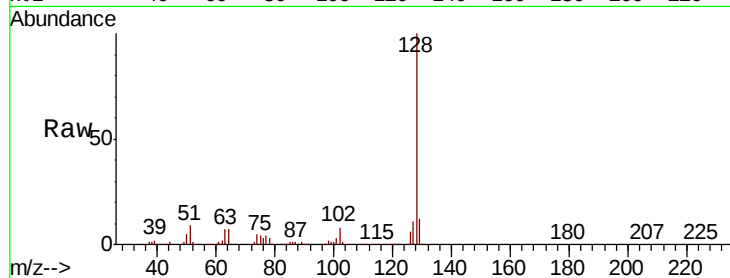




#95
Naphthalene
Concen: 54.637 ug/l
RT: 14.47 min Scan# 1403
Delta R.T. -0.01 min
Lab File: VF061035.D
Acq: 17 Dec 2018 11:59

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:128 Resp: 299786
Ion Ratio Lower Upper
128 100
127 11.5 9.9 14.9
129 12.2 9.1 13.7



#96
1,2,3-Trichlorobenzene
Concen: 54.575 ug/l
RT: 14.61 min Scan# 1418
Delta R.T. -0.01 min
Lab File: VF061035.D
Acq: 17 Dec 2018 11:59

Tgt Ion:180 Resp: 144107
Ion Ratio Lower Upper
180 100
182 95.5 47.9 143.8
145 33.7 17.2 51.5

