

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF031919\
 Data File : VF062012.D
 Acq On : 19 Mar 2019 12:21
 Operator : VA/AP
 Sample : VF0319SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Mar 20 05:19:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F031619S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 18 07:28:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.84	168	275340	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.57	114	406207	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.75	117	345877	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.53	152	185772	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.81	65	105796	53.38	ug/l	-0.03
Spiked Amount			Recovery	=	106.76%	
35) Dibromofluoromethane	4.08	113	142276	52.16	ug/l	-0.03
Spiked Amount			Recovery	=	104.32%	
50) Toluene-d8	7.52	98	390412	48.96	ug/l	-0.03
Spiked Amount			Recovery	=	97.92%	
62) 4-Bromofluorobenzene	11.39	95	151982	47.98	ug/l	-0.02
Spiked Amount			Recovery	=	95.96%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.95	85	71498	24.359	ug/l	98
3) Chloromethane	1.08	50	67706	22.698	ug/l	99
4) Vinyl Chloride	1.14	62	68904	23.885	ug/l	91
5) Bromomethane	1.31	94	44686	22.050	ug/l	97
6) Chloroethane	1.38	64	29736	19.967	ug/l	91
7) Trichlorofluoromethane	1.48	101	82562	21.602	ug/l	86
8) Diethyl Ether	1.62	74	17371	20.445	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	1.83	101	64394	23.914	ug/l	93
10) Methyl Iodide	1.90	142	81134	17.215	ug/l	99
11) Tert butyl alcohol	2.55	59	12249	100.997	ug/l #	82
12) 1,1-Dichloroethene	1.78	96	52827	22.732	ug/l	92
13) Acrolein	1.99	56	13060	99.751	ug/l	87
14) Allyl chloride	2.08	41	63062	21.259	ug/l	92
15) Acrylonitrile	2.93	53	37765	102.397	ug/l	99
16) Acetone	2.23	43	49937	112.201	ug/l	91
17) Carbon Disulfide	1.75	76	22130	3.293	ug/l	96
18) Methyl Acetate	2.41	43	25500	28.005	ug/l	99
19) Methyl tert-butyl Ether	2.41	73	81574	19.372	ug/l	100
20) Methylene Chloride	2.25	84	27378	11.948	ug/l	88
21) trans-1,2-Dichloroethene	2.29	96	42375	17.473	ug/l	85
22) Diisopropyl ether	2.78	45	142346	19.950	ug/l	98
23) Vinyl Acetate	3.17	43	313736	111.539	ug/l	99
24) 1,1-Dichloroethane	2.86	63	85937	20.714	ug/l	98
25) 2-Butanone	4.31	43	94271	106.951	ug/l #	89
26) 2,2-Dichloropropane	3.58	77	40742	20.819	ug/l	97
27) cis-1,2-Dichloroethene	3.45	96	62645	20.495	ug/l	96
28) Bromochloromethane	3.70	49	34389	19.976	ug/l	82
29) Tetrahydrofuran	4.04	42	36984	96.480	ug/l	98
30) Chloroform	3.83	83	98345	20.921	ug/l	99
31) Cyclohexane	3.67	56	49736	12.236	ug/l	89
32) 1,1,1-Trichloroethane	4.07	97	63253	20.261	ug/l	94
36) 1,1-Dichloropropene	4.25	75	81326	22.170	ug/l	98
37) Ethyl Acetate	4.08	43	33245	20.184	ug/l	89
38) Carbon Tetrachloride	3.96	117	57752	21.542	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.42	83	92221	21.415	ug/l	99
40) Benzene	4.60	78	209553	21.559	ug/l	100
41) Methacrylonitrile	4.72	41	18209	20.692	ug/l #	89
42) 1,2-Dichloroethane	4.92	62	51280	21.193	ug/l	98
43) Isopropyl Acetate	6.93	43	40562	20.814	ug/l #	84
44) Trichloroethene	5.47	130	67355	22.621	ug/l	100
45) 1,2-Dichloropropane	6.20	63	48986	21.295	ug/l	99
46) Dibromomethane	6.05	93	30269	22.120	ug/l	90
47) Bromodichloromethane	6.36	83	69657	21.592	ug/l	99
48) Methyl methacrylate	6.69	41	25424	20.186	ug/l #	86
49) 1,4-Dioxane	6.68	88	5198	463.983	ug/l #	81
51) 4-Methyl-2-Pentanone	8.23	43	148987	107.662	ug/l	98
52) Toluene	7.59	92	111833	18.831	ug/l	91
53) t-1,3-Dichloropropene	8.25	75	57188	20.997	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	78085	21.972	ug/l	96
55) 1,1,2-Trichloroethane	8.46	97	33312	20.097	ug/l	96
56) Ethyl methacrylate	8.60	69	40851	21.680	ug/l	95
57) 1,3-Dichloropropane	8.82	76	58439	21.136	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.26	63	30888	90.505	ug/l	98
59) 2-Hexanone	9.46	43	108667	108.505	ug/l	98
60) Dibromochloromethane	8.68	129	52511	22.820	ug/l	95
61) 1,2-Dibromoethane	8.96	107	38112	21.436	ug/l	99
64) Tetrachloroethene	8.12	164	55222	21.964	ug/l	97
65) Chlorobenzene	9.77	112	135175	20.991	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.90	131	58628	23.488	ug/l	95
67) Ethyl Benzene	9.87	91	246214	22.330	ug/l	98
68) m/p-Xylenes	10.10	106	183823	44.327	ug/l	88
69) o-Xylene	10.69	106	93136	20.989	ug/l	91
70) Styrene	10.77	104	134392	21.861	ug/l	99
71) Bromoform	10.75	173	27035	21.413	ug/l #	93
73) Isopropylbenzene	11.10	105	291397	22.705	ug/l	96
74) N-amyl acetate	11.35	43	61481	20.906	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.67	83	44997	21.241	ug/l	95
76) 1,2,3-Trichloropropane	11.77	75	30151	20.354	ug/l	88
77) Bromobenzene	11.48	156	66127	22.249	ug/l	98
78) n-propylbenzene	11.57	91	318330	21.571	ug/l	100
79) 2-Chlorotoluene	11.70	91	177363	21.292	ug/l	100
80) 1,3,5-Trimethylbenzene	11.80	105	231911	22.369	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.85	75	19280	29.420	ug/l	94
82) 4-Chlorotoluene	11.88	91	182199	21.629	ug/l	99
83) tert-Butylbenzene	12.11	119	251690	23.214	ug/l	98
84) 1,2,4-Trimethylbenzene	12.19	105	230996	22.245	ug/l	97
85) sec-Butylbenzene	12.28	105	321423	21.942	ug/l	98
86) p-Isopropyltoluene	12.44	119	275255	22.518	ug/l	96
87) 1,3-Dichlorobenzene	12.45	146	129360	22.145	ug/l	96
88) 1,4-Dichlorobenzene	12.55	146	124918	22.218	ug/l	96
89) n-Butylbenzene	12.83	91	264875	23.061	ug/l	96
90) Hexachloroethane	12.90	117	64629	23.168	ug/l	96
91) 1,2-Dichlorobenzene	12.92	146	122779	22.693	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.62	75	7043	20.718	ug/l	93

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Quant Title : SW846 8260
QLast Update : Mon Mar 18 07:28:40 2019
Response via : Initial Calibration

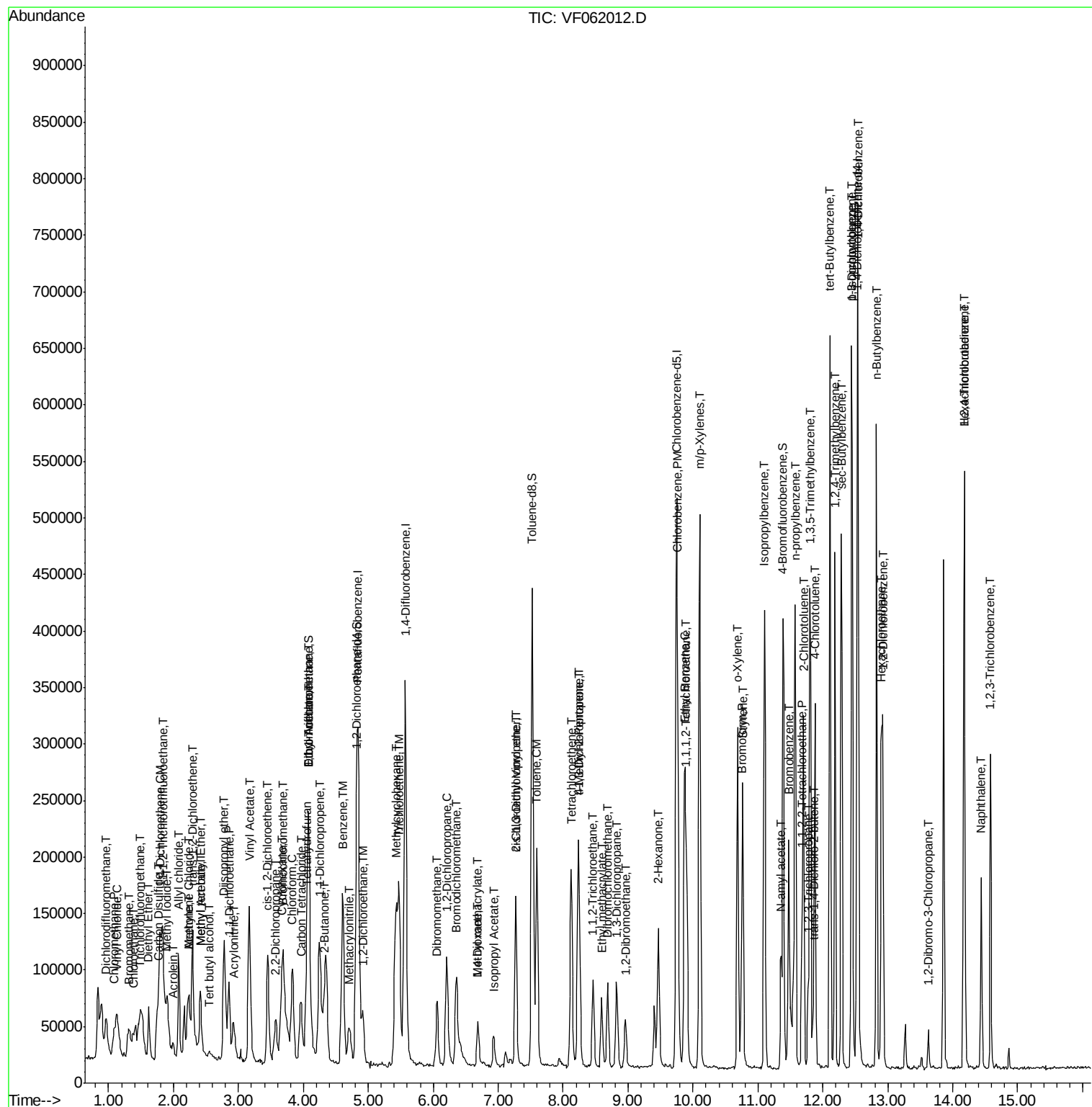
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.18	180	85871	22.792	ug/l	93
94) Hexachlorobutadiene	14.18	225	55354	22.131	ug/l	95
95) Naphthalene	14.44	128	138273	20.406	ug/l	97
96) 1,2,3-Trichlorobenzene	14.58	180	78023	22.510	ug/l	97

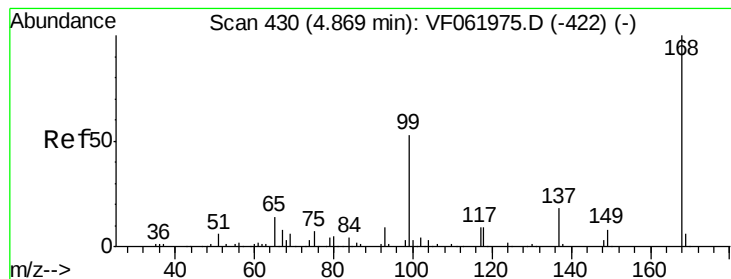
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.84 min Scan# 427

Delta R.T. -0.03 min

Lab File: VF062012.D

Acq: 19 Mar 2019 12:21

Instrument :

MSVOA_F

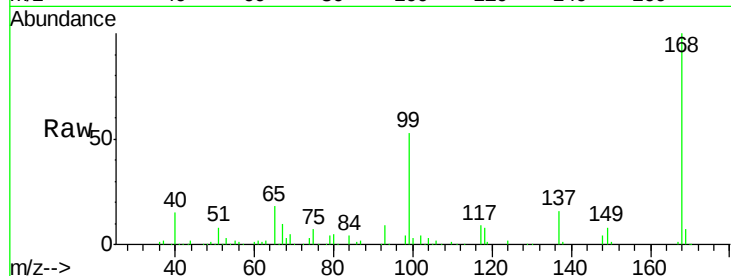
ClientSampleId :

Tot Ion:168 Resp: 275340

Ion Ratio Lower Upper

168 100

99 52.8 42.4 63.6



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.84

100000

80000

60000

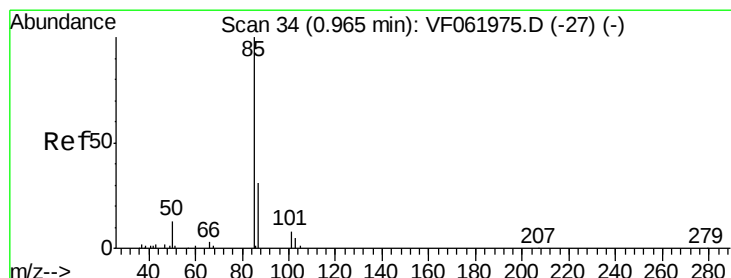
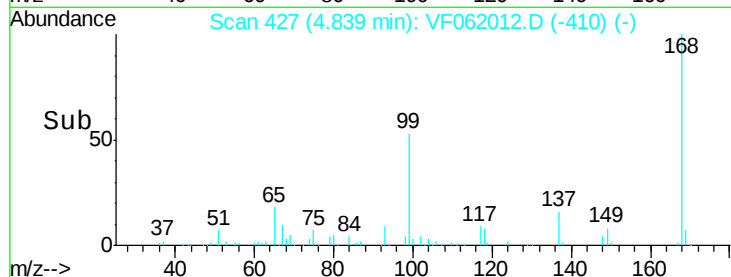
40000

20000

0

4.70 4.80 4.90 5.00

Time-->



#2

Dichlorodifluoromethane

Concen: 24.359 ug/l

RT: 0.95 min Scan# 33

Delta R.T. -0.01 min

Lab File: VF062012.D

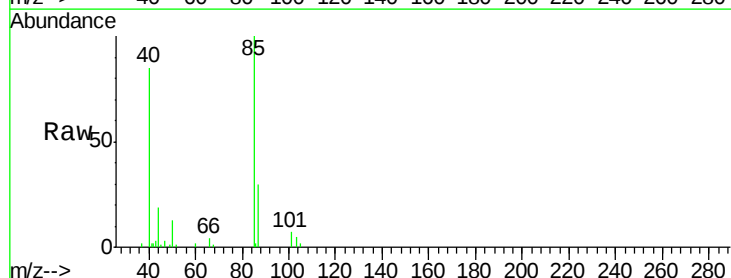
Acq: 19 Mar 2019 12:21

Tgt Ion: 85 Resp: 71498

Ion Ratio Lower Upper

85 100

87 29.6 15.4 46.2



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.95

20000

15000

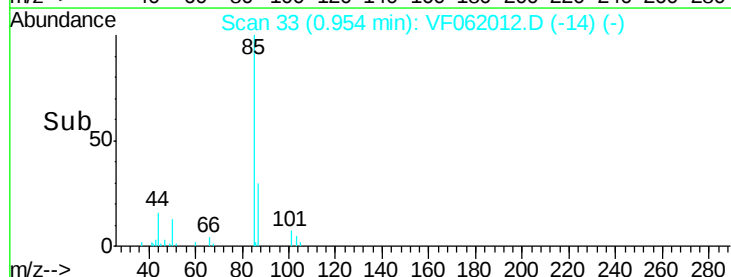
10000

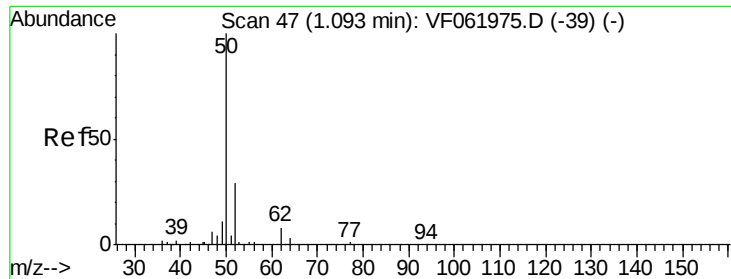
5000

0

0.80 0.90 1.00 1.10 1.20

Time-->





#3

Chloromethane

Concen: 22.698 ug/l

RT: 1.08 min Scan# 46

Delta R.T. -0.01 min

Lab File: VF062012.D

Acq: 19 Mar 2019 12:21

Instrument :

MSVOA_F

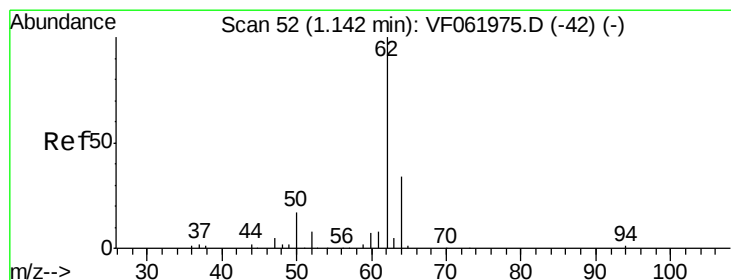
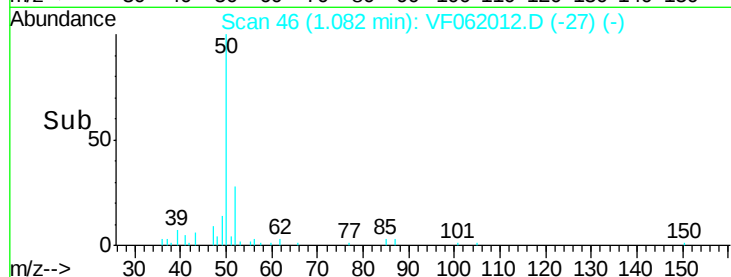
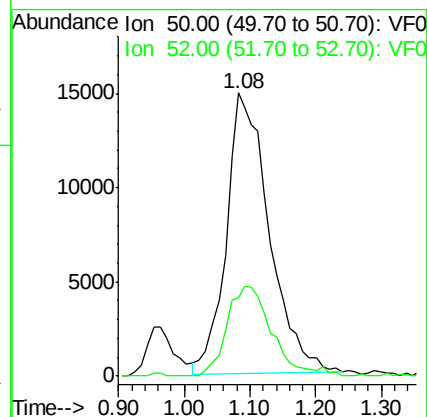
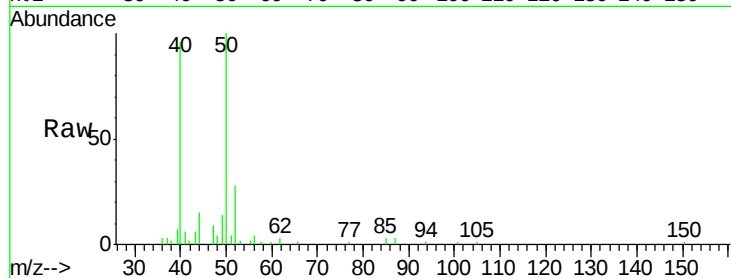
ClientSampleId :

Tot Ion: 50 Resp: 67706

Ion Ratio Lower Upper

50 100

52 27.8 22.6 34.0



#4

Vinyl Chloride

Concen: 23.885 ug/l

RT: 1.14 min Scan# 52

Delta R.T. -0.00 min

Lab File: VF062012.D

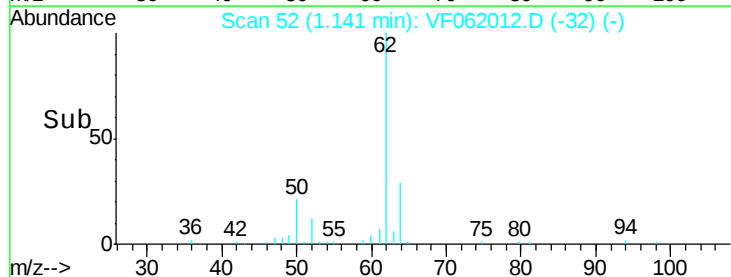
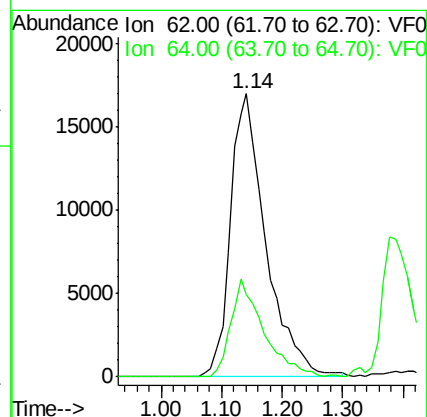
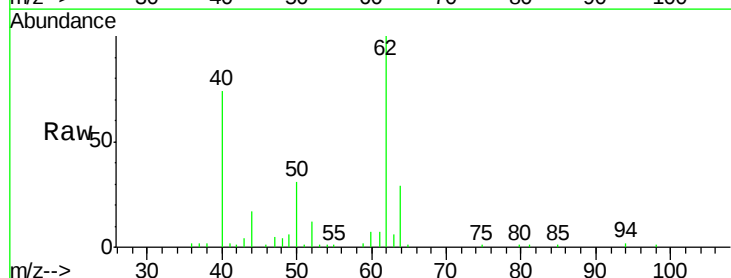
Acq: 19 Mar 2019 12:21

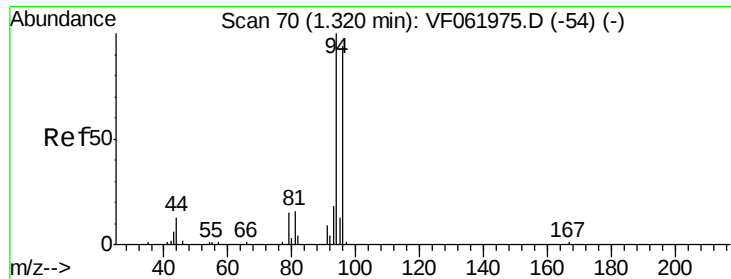
Tgt Ion: 62 Resp: 68904

Ion Ratio Lower Upper

62 100

64 29.1 27.4 41.2





#5

Bromomethane

Concen: 22.050 ug/l

RT: 1.31 min Scan# 69

Delta R.T. -0.01 min

Lab File: VF062012.D

Acq: 19 Mar 2019 12:21

Instrument :

MSVOA_F

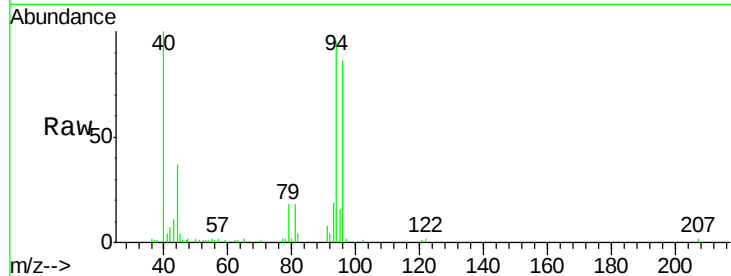
ClientSampleId :

Tot Ion: 94 Resp: 44686

Ion Ratio Lower Upper

94 100

96 91.1 75.0 112.6



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0

10000

8000

6000

4000

2000

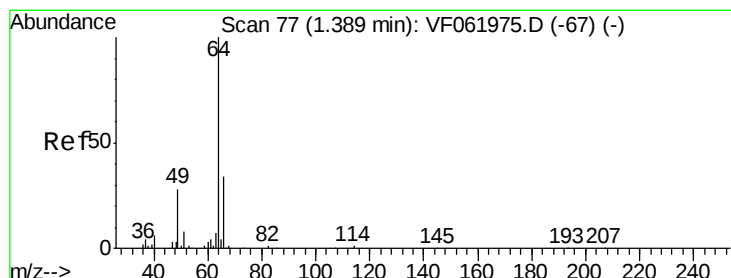
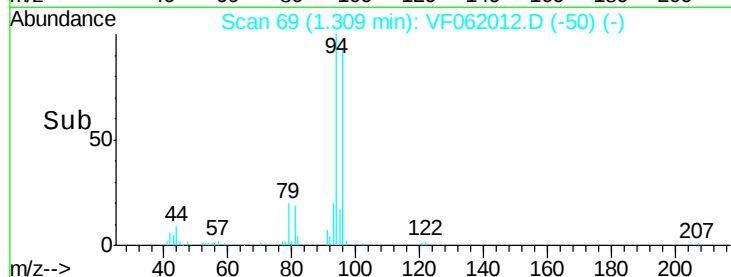
0

1.31

1.40

1.50

Time-->



#6

Chloroethane

Concen: 19.967 ug/l

RT: 1.38 min Scan# 76

Delta R.T. -0.01 min

Lab File: VF062012.D

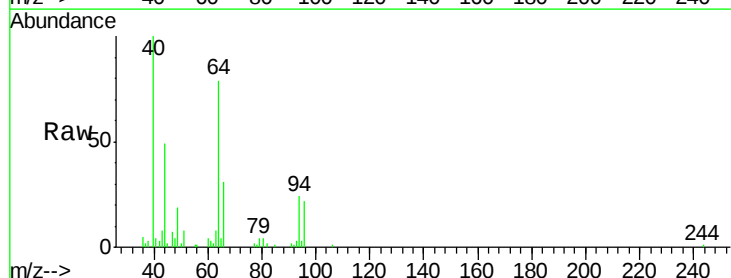
Acq: 19 Mar 2019 12:21

Tgt Ion: 64 Resp: 29736

Ion Ratio Lower Upper

64 100

66 39.4 27.6 41.4



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0

10000

8000

6000

4000

2000

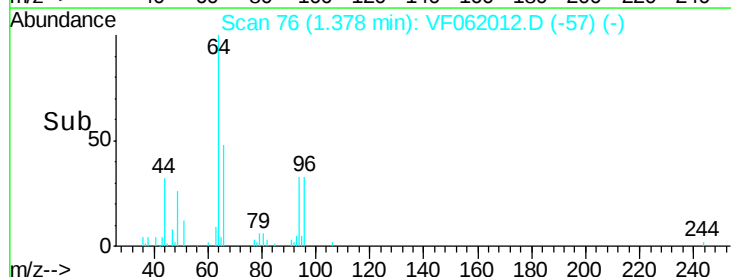
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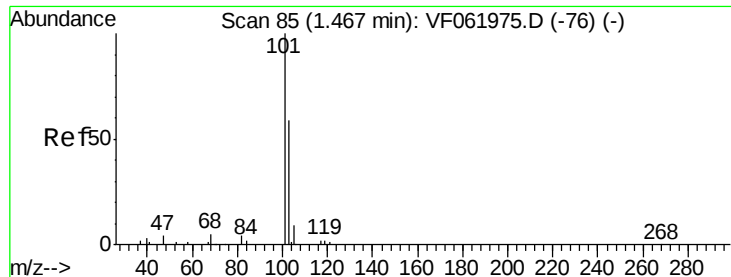
1.38

1.40

1.50

Time-->





#7

Trichlorofluoromethane

Concen: 21.602 ug/l

RT: 1.48 min Scan# 86

Delta R.T. 0.01 min

Lab File: VF062012.D

Acq: 19 Mar 2019 12:21

Instrument :

MSVOA_F

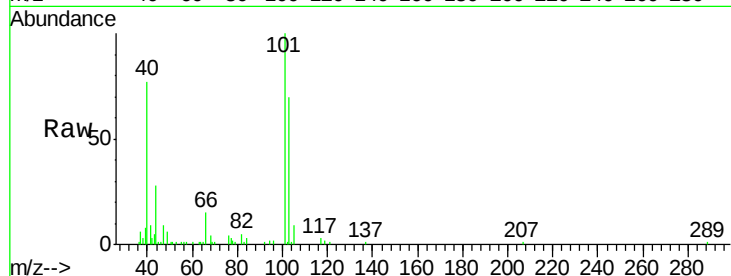
ClientSampleId :

Tot Ion:101 Resp: 82562

Ion Ratio Lower Upper

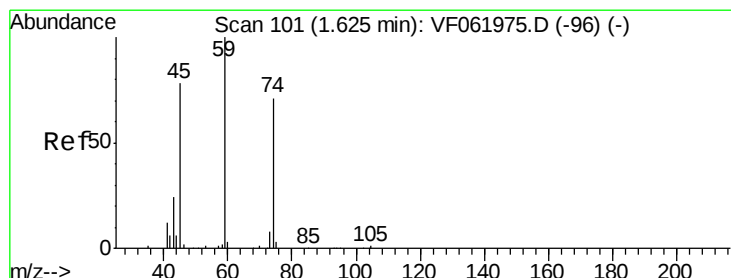
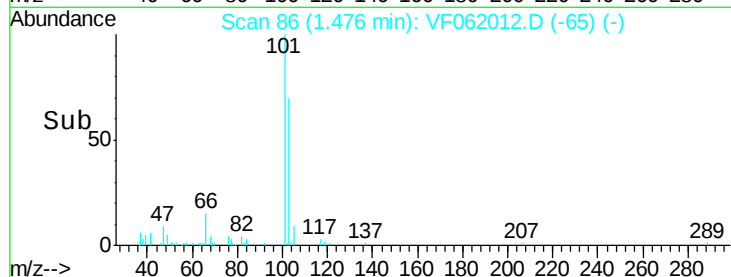
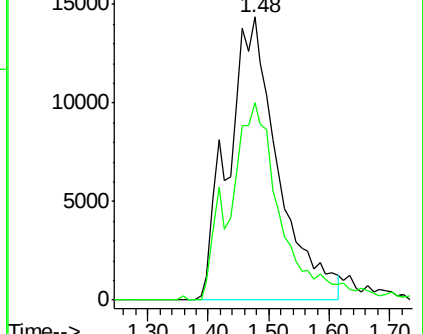
101 100

103 69.9 47.3 70.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 20.445 ug/l

RT: 1.62 min Scan# 101

Delta R.T. -0.00 min

Lab File: VF062012.D

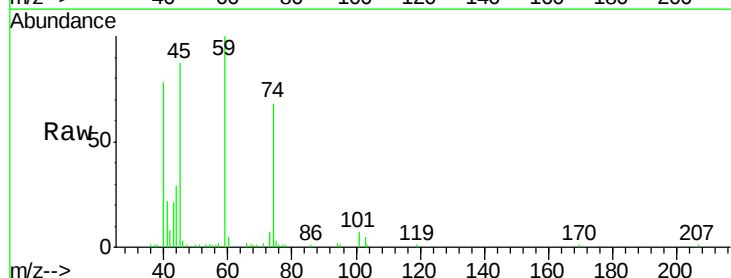
Acq: 19 Mar 2019 12:21

Tgt Ion: 74 Resp: 17371

Ion Ratio Lower Upper

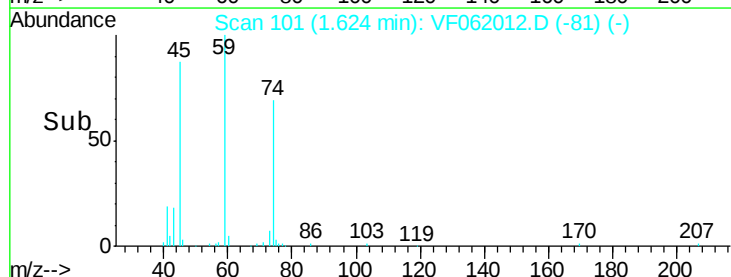
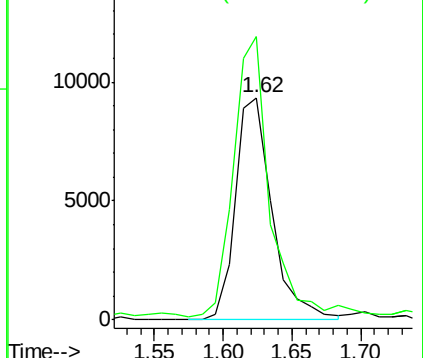
74 100

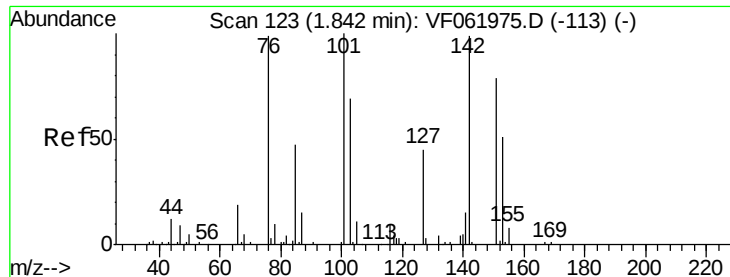
45 127.4 56.3 168.8



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.914 ug/l

RT: 1.83 min Scan# 122

Delta R.T. -0.01 min

Lab File: VF062012.D

Acq: 19 Mar 2019 12:21

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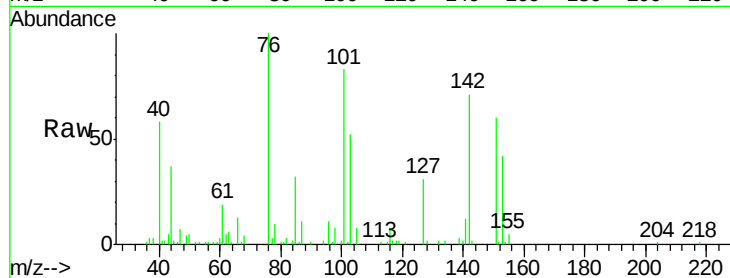
Tot Ion:101 Resp: 64394

Ion Ratio Lower Upper

101 100

85 38.8 36.8 55.2

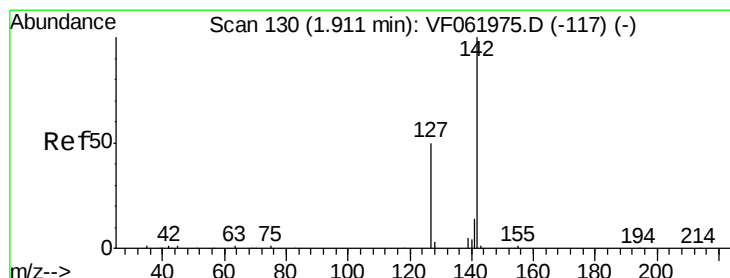
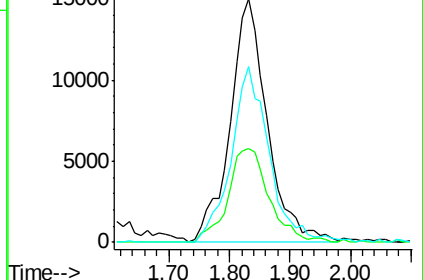
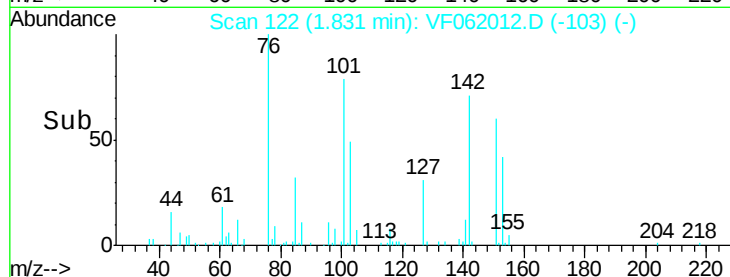
151 73.2 62.2 93.2



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: 17.215 ug/l

RT: 1.90 min Scan# 129

Delta R.T. -0.01 min

Lab File: VF062012.D

Acq: 19 Mar 2019 12:21

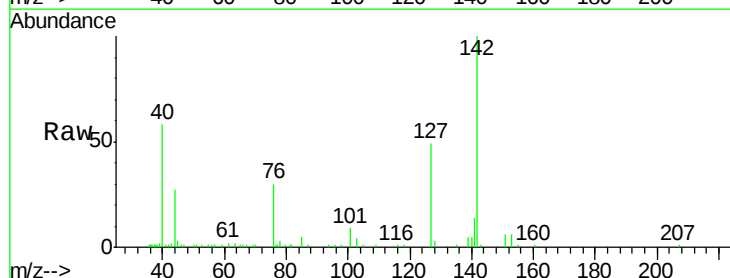
Tgt Ion:142 Resp: 81134

Ion Ratio Lower Upper

142 100

127 49.4 39.7 59.5

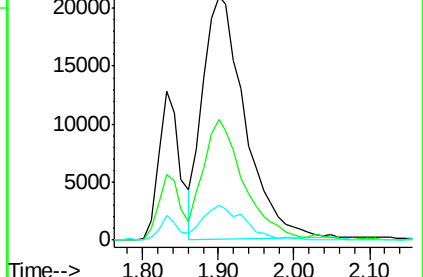
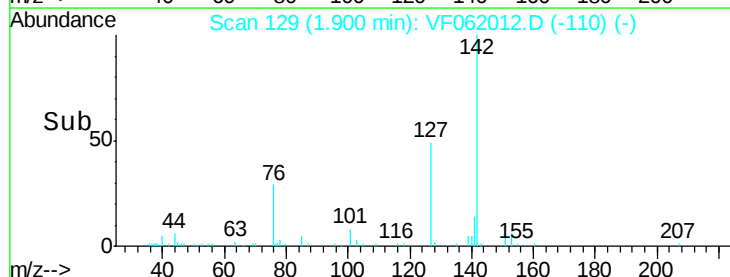
141 14.3 10.8 16.2

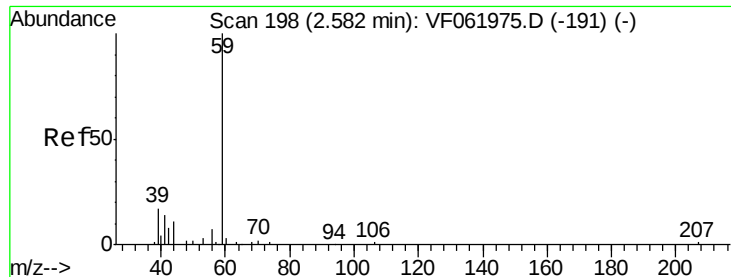


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V

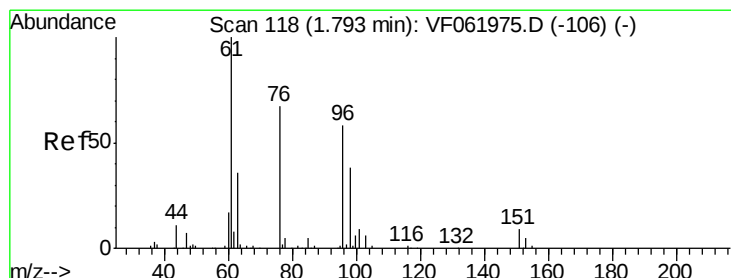
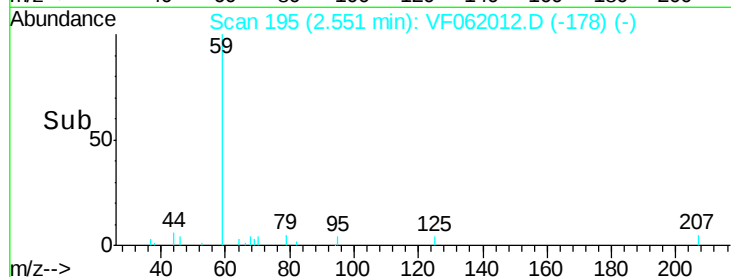
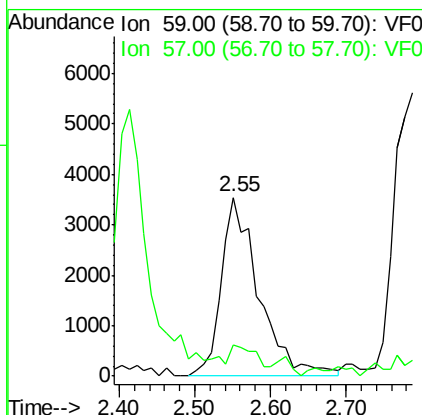
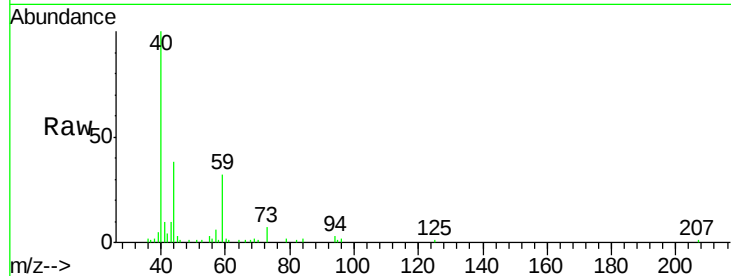




#11
Tert butyl alcohol
Concen: 100.997 ug/l
RT: 2.55 min Scan# 195
Delta R.T. -0.03 min
Lab File: VF062012.D
Acq: 19 Mar 2019 12:21

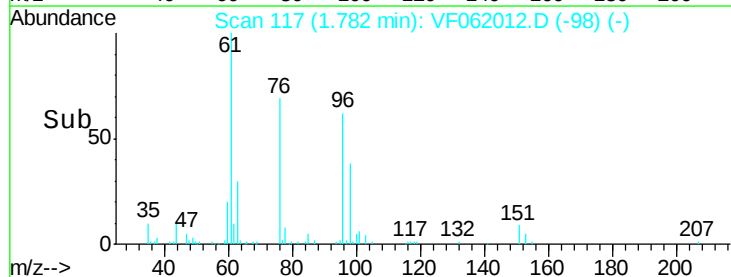
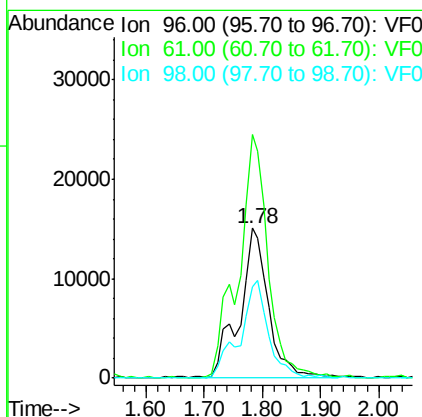
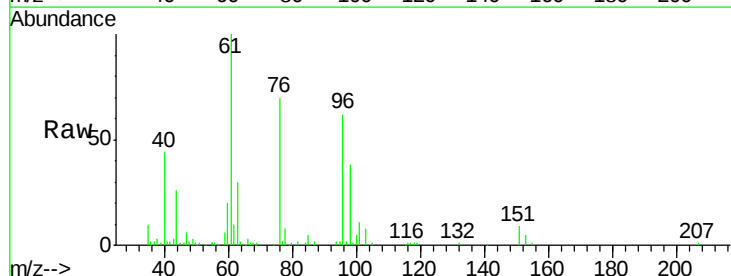
Instrument :
MSVOA_F
ClientSampled :

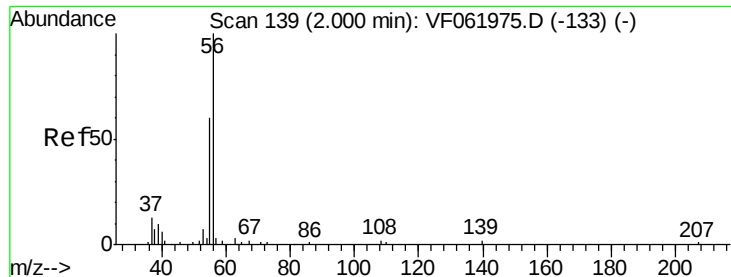
Tot Ion: 59 Resp: 12249
Ion Ratio Lower Upper
59 100
57 17.5 8.7 13.1#



#12
1,1-Dichloroethene
Concen: 22.732 ug/l
RT: 1.78 min Scan# 117
Delta R.T. -0.01 min
Lab File: VF062012.D
Acq: 19 Mar 2019 12:21

Tgt Ion: 96 Resp: 52827
Ion Ratio Lower Upper
96 100
61 162.3 138.6 208.0
98 61.2 53.2 79.8





#13

Acrolein

Concen: 99.751 ug/l

RT: 1.99 min Scan# 138

Delta R.T. -0.01 min

Lab File: VF062012.D

Acq: 19 Mar 2019 12:21

Instrument :

MSVOA_F

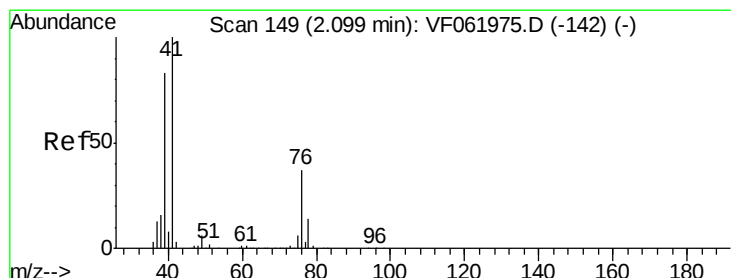
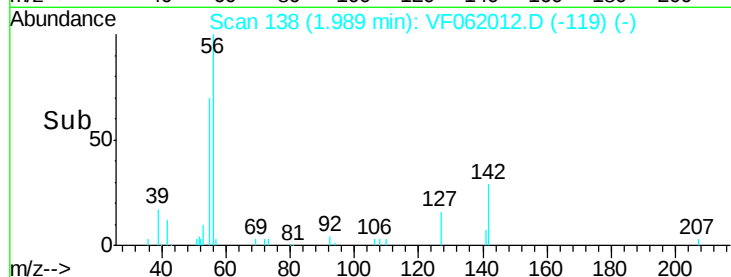
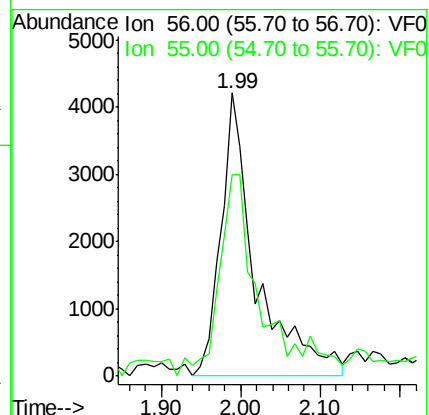
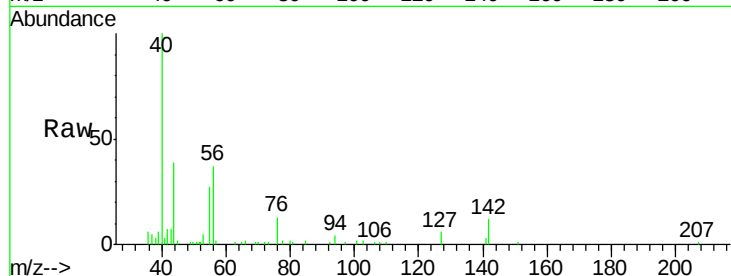
ClientSampleId :

Tot Ion: 56 Resp: 13060

Ion Ratio Lower Upper

56 100

55 71.4 49.1 73.7



#14

Allyl chloride

Concen: 21.259 ug/l

RT: 2.08 min Scan# 147

Delta R.T. -0.02 min

Lab File: VF062012.D

Acq: 19 Mar 2019 12:21

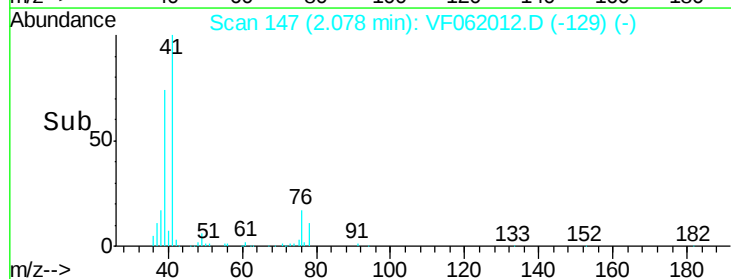
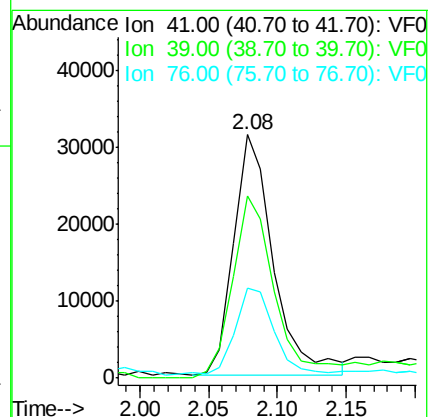
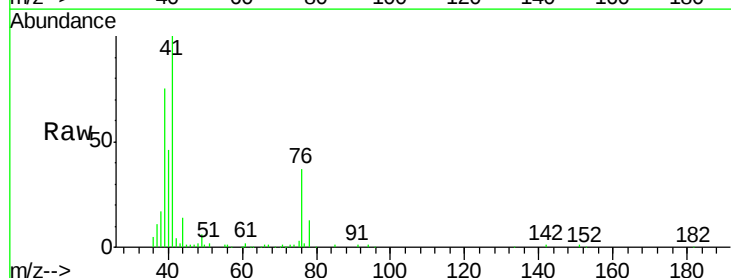
Tgt Ion: 41 Resp: 63062

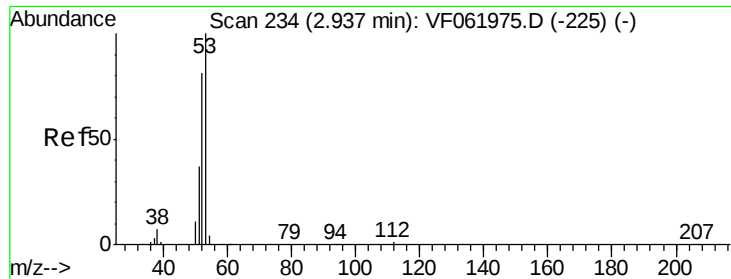
Ion Ratio Lower Upper

41 100

39 74.7 66.8 100.2

76 37.1 31.1 46.7





#15

Acrylonitrile

Concen: 102.397 ug/l

RT: 2.93 min Scan# 233

Delta R.T. -0.01 min

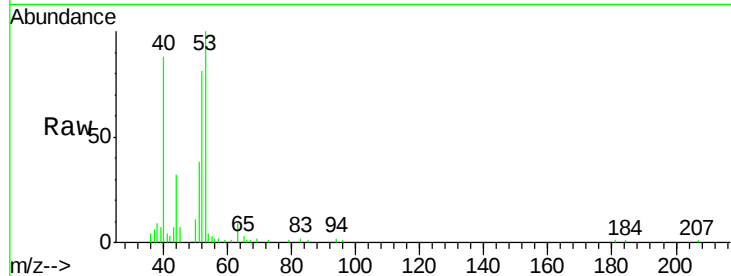
Lab File: VF062012.D

Acq: 19 Mar 2019 12:21

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 53 Resp: 37765

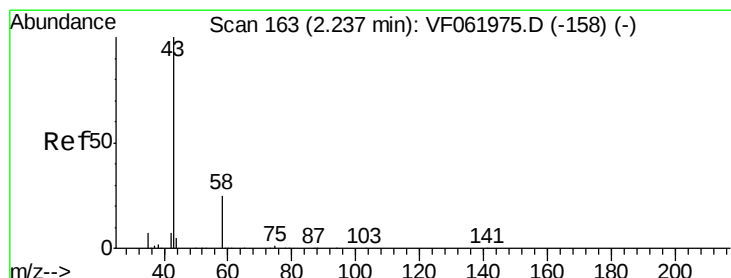
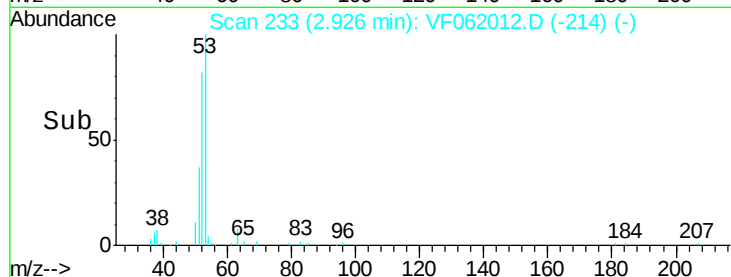
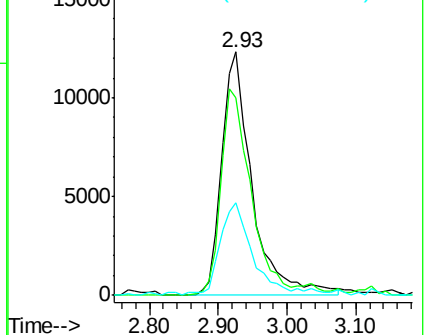
Ion	Ratio	Lower	Upper
53	100		
52	81.3	64.4	96.6
51	37.9	30.3	45.5



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: 112.201 ug/l

RT: 2.23 min Scan# 162

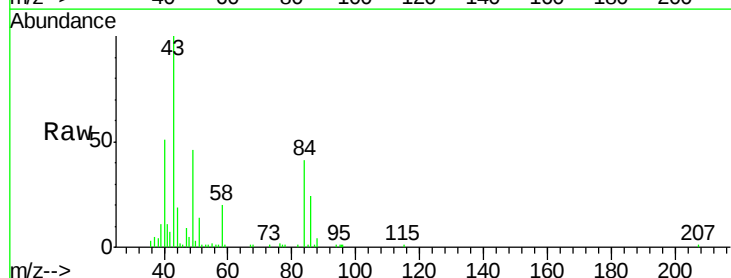
Delta R.T. -0.01 min

Lab File: VF062012.D

Acq: 19 Mar 2019 12:21

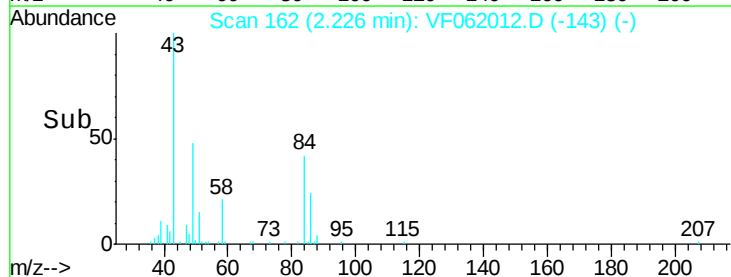
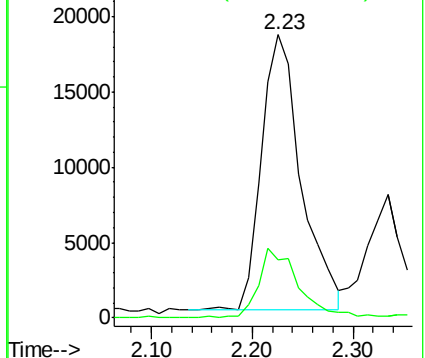
Tgt Ion: 43 Resp: 49937

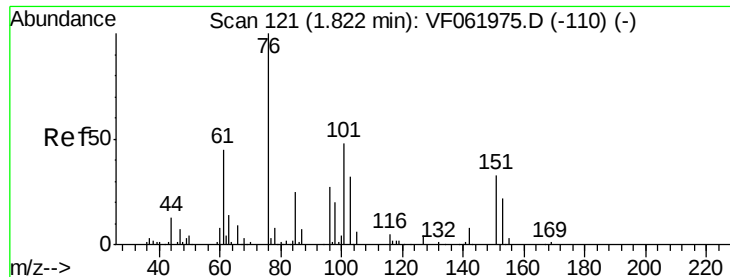
Ion	Ratio	Lower	Upper
43	100		
58	20.4	19.9	29.9



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

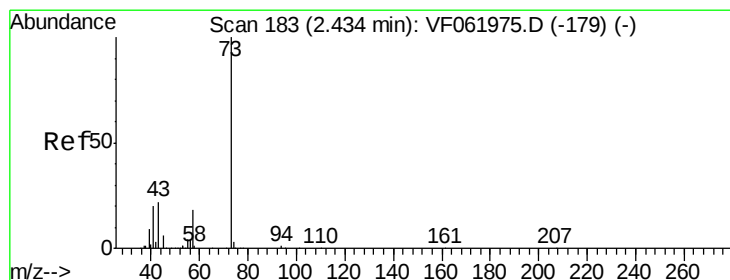
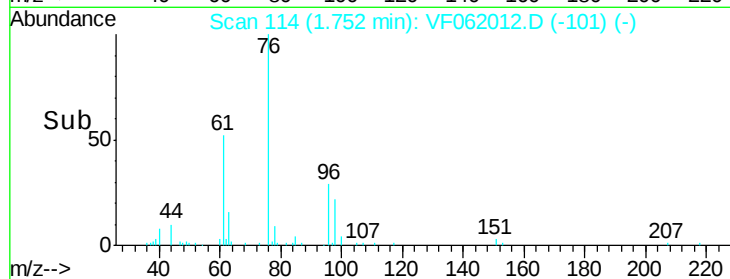
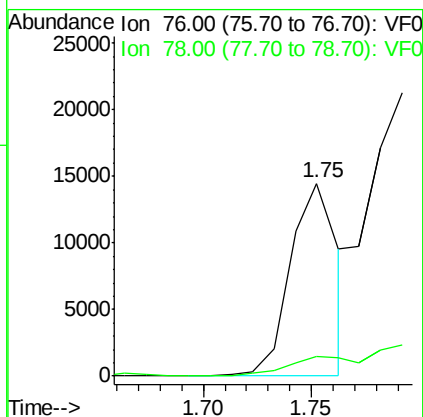
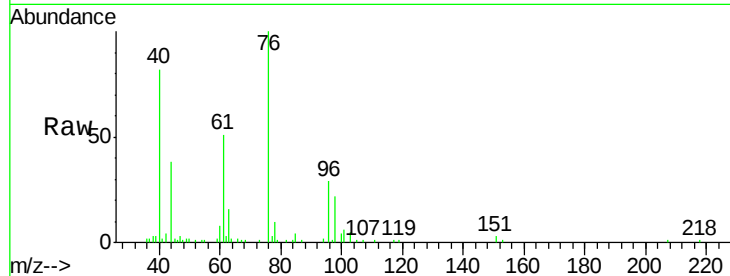




#17
Carbon Disulfide
Concen: 3.293 ug/l
RT: 1.75 min Scan# 114
Delta R.T. -0.07 min
Lab File: VF062012.D
Acq: 19 Mar 2019 12:21

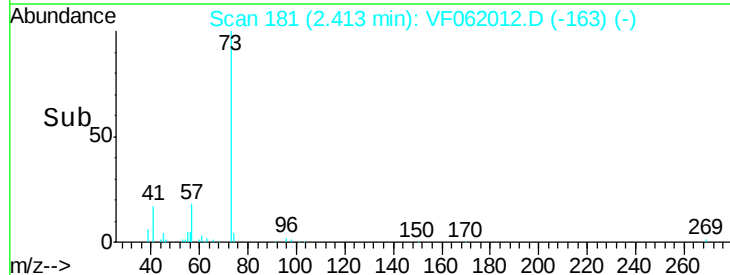
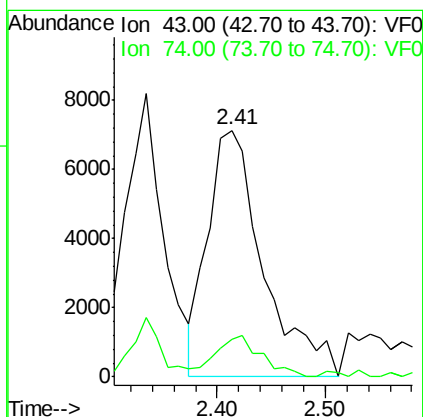
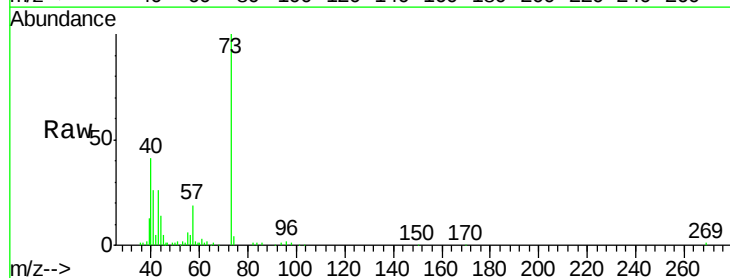
Instrument :
MSVOA_F
ClientSampled :

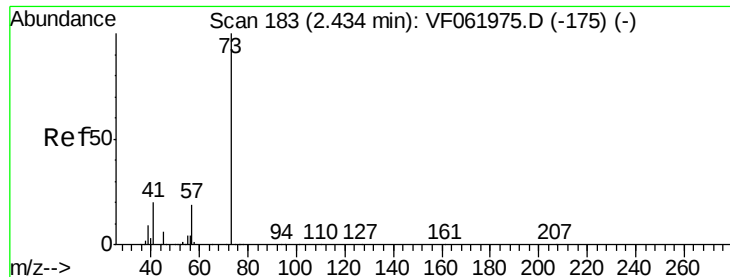
Tot Ion: 76 Resp: 22130
Ion Ratio Lower Upper
76 100
78 10.0 6.8 10.2



#18
Methyl Acetate
Concen: 28.005 ug/l
RT: 2.41 min Scan# 181
Delta R.T. -0.02 min
Lab File: VF062012.D
Acq: 19 Mar 2019 12:21

Tgt Ion: 43 Resp: 25500
Ion Ratio Lower Upper
43 100
74 15.2 12.6 18.8



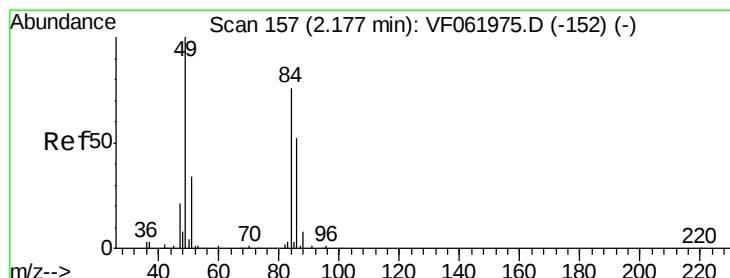
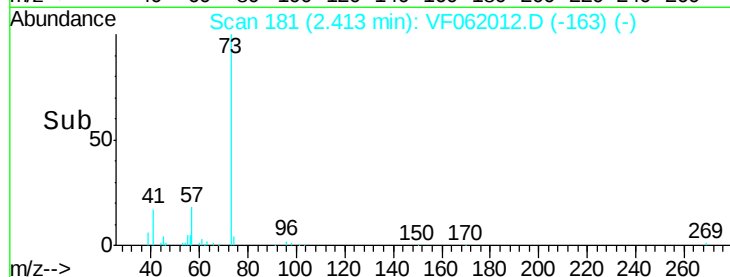
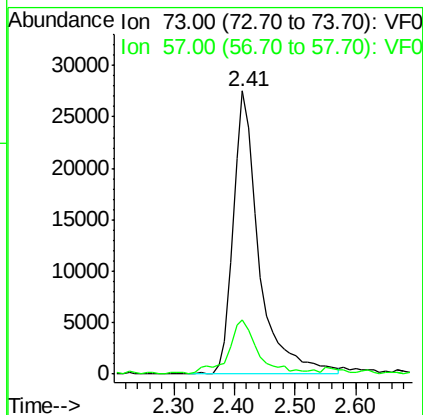
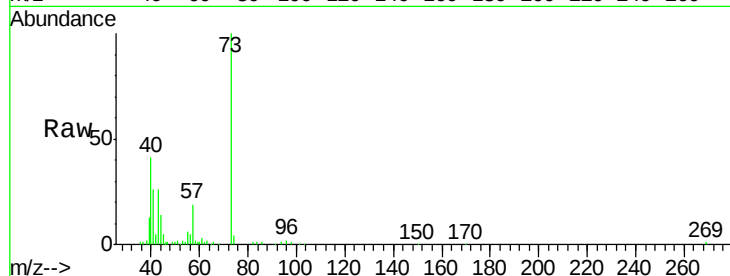


#19

Methyl tert-butyl Ether
 Concen: 19.372 ug/l
 RT: 2.41 min Scan# 181
 Delta R.T. -0.02 min
 Lab File: VF062012.D
 Acq: 19 Mar 2019 12:21

Instrument :
 MSVOA_F
 ClientSampleId :

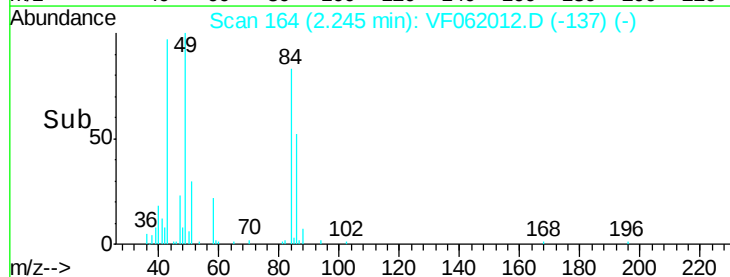
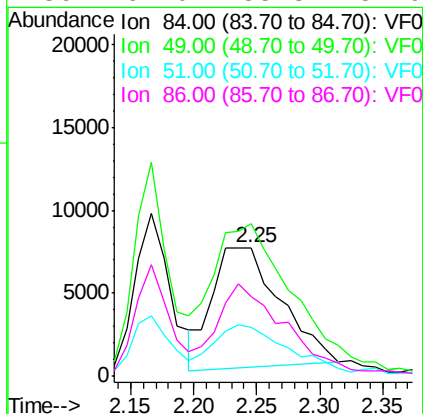
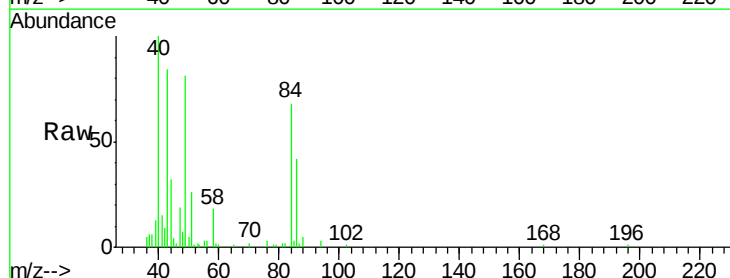
Tot Ion: 73 Resp: 81574
 Ion Ratio Lower Upper
 73 100
 57 19.2 15.3 22.9

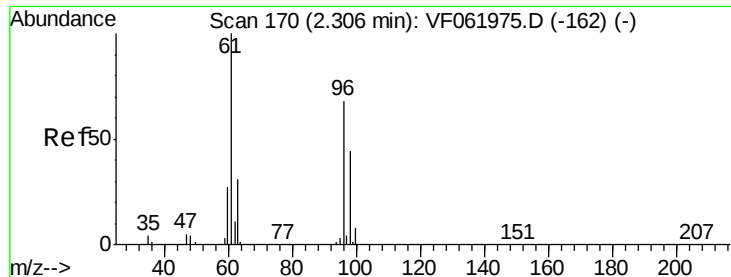


#20

Methylene Chloride
 Concen: 11.948 ug/l
 RT: 2.25 min Scan# 164
 Delta R.T. 0.07 min
 Lab File: VF062012.D
 Acq: 19 Mar 2019 12:21

Tgt Ion: 84 Resp: 27378
 Ion Ratio Lower Upper
 84 100
 49 118.6 107.0 160.6
 51 37.4 37.2 55.8
 86 62.0 55.3 82.9





#21

trans-1,2-Dichloroethene

Concen: 17.473 ug/l

RT: 2.29 min Scan# 169

Delta R.T. -0.01 min

Lab File: VF062012.D

Acq: 19 Mar 2019 12:21

Instrument :

MSVOA_F

ClientSampleId :

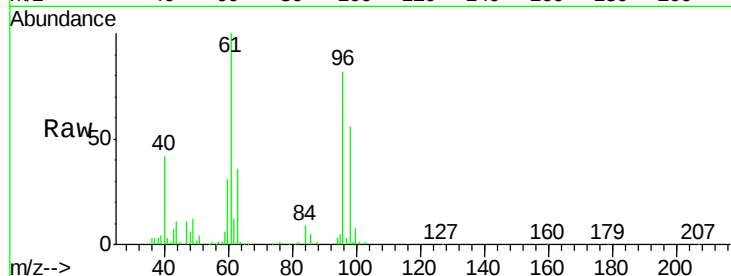
Tot Ion: 96 Resp: 42375

Ion Ratio Lower Upper

96 100

61 122.2 117.4 176.2

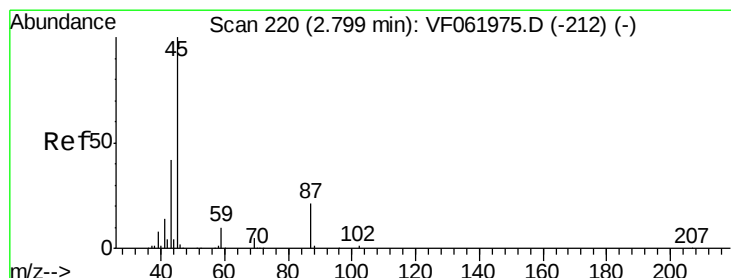
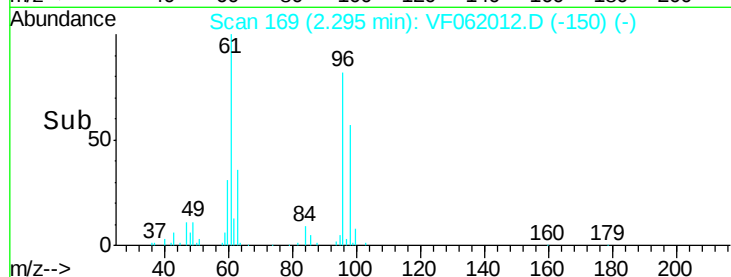
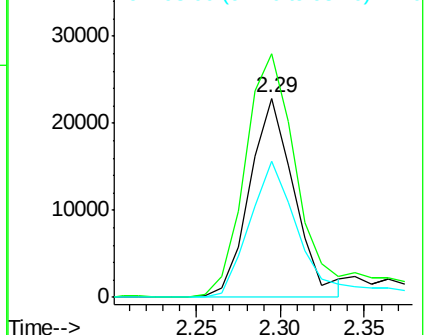
98 68.5 51.2 76.8



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



#22

Diisopropyl ether

Concen: 19.950 ug/l

RT: 2.78 min Scan# 218

Delta R.T. -0.02 min

Lab File: VF062012.D

Acq: 19 Mar 2019 12:21

Tgt Ion: 45 Resp: 142346

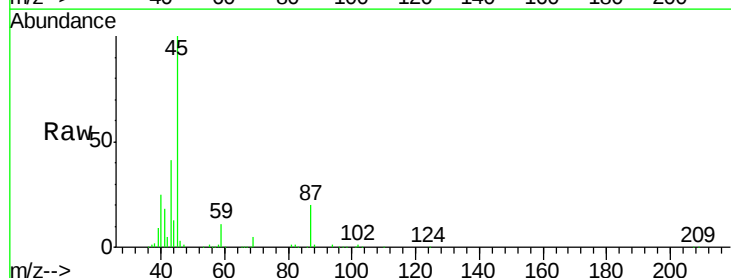
Ion Ratio Lower Upper

45 100

43 41.3 33.7 50.5

87 20.0 17.1 25.7

59 10.8 8.0 12.0

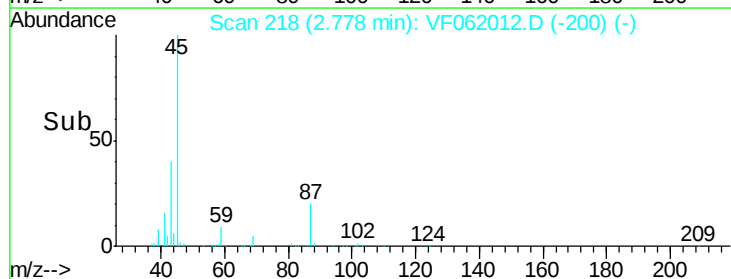
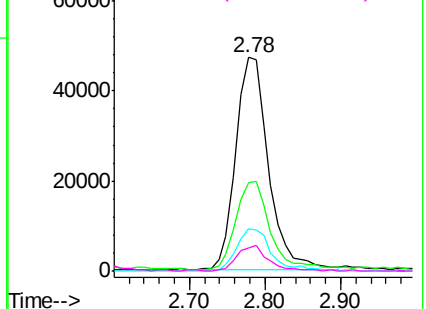


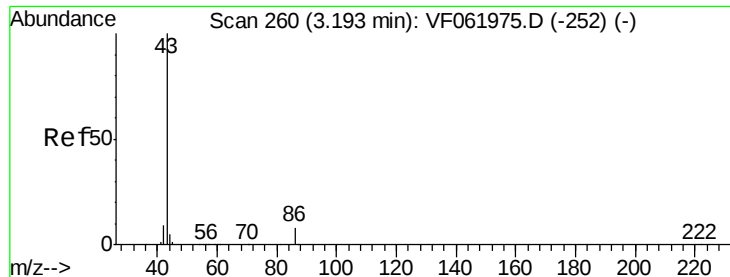
Abundance Ion 45.00 (44.70 to 45.70): VF0

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

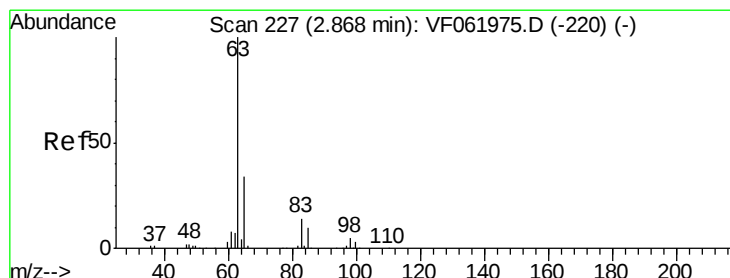
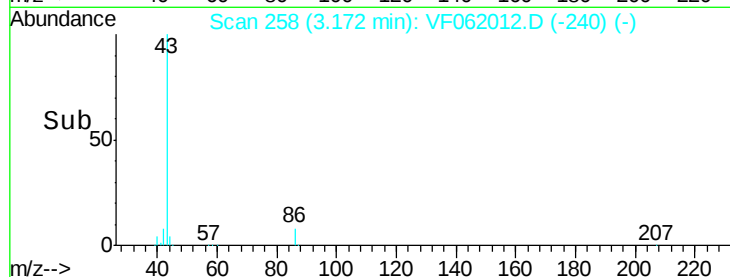
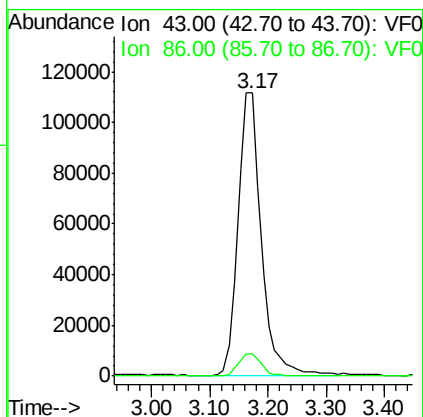
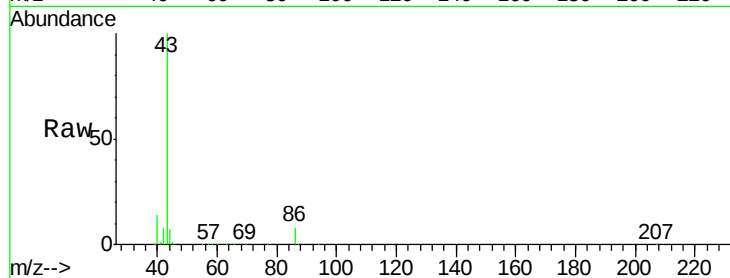




#23
 Vinyl Acetate
 Concen: 111.539 ug/l
 RT: 3.17 min Scan# 258
 Delta R.T. -0.02 min
 Lab File: VF062012.D
 Acq: 19 Mar 2019 12:21

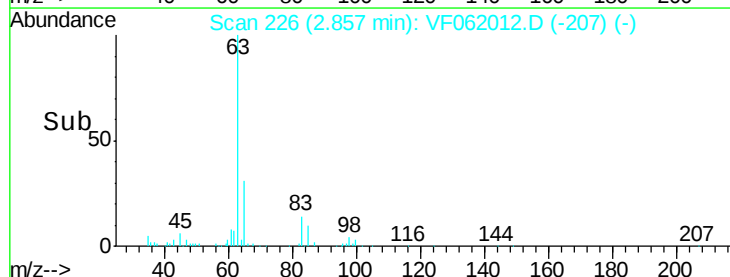
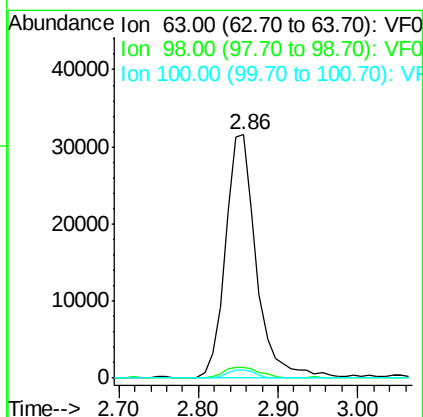
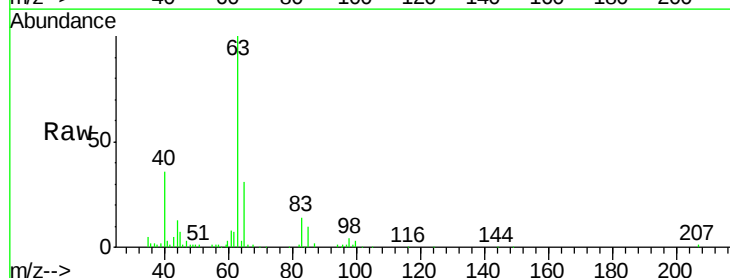
Instrument :
 MSVOA_F
 ClientSampleId :

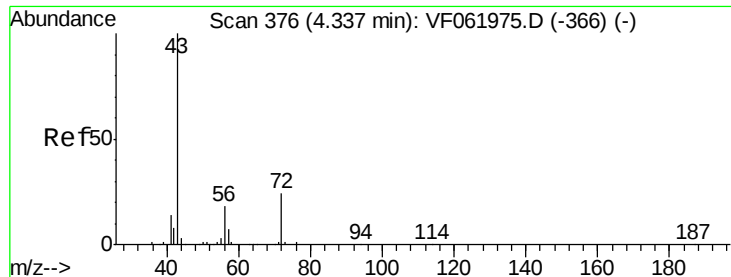
Tot Ion: 43 Resp: 313736
 Ion Ratio Lower Upper
 43 100
 86 7.6 6.5 9.7



#24
 1,1-Dichloroethane
 Concen: 20.714 ug/l
 RT: 2.86 min Scan# 226
 Delta R.T. -0.01 min
 Lab File: VF062012.D
 Acq: 19 Mar 2019 12:21

Tgt Ion: 63 Resp: 85937
 Ion Ratio Lower Upper
 63 100
 98 4.3 2.7 8.1
 100 3.3 1.7 5.0





#25

2-Butanone

Concen: 106.951 ug/l

RT: 4.31 min Scan# 373

Delta R.T. -0.03 min

Lab File: VF062012.D

Acq: 19 Mar 2019 12:21

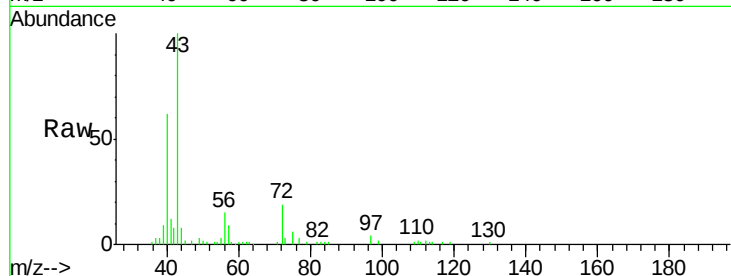
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 94271

Ion Ratio Lower Upper

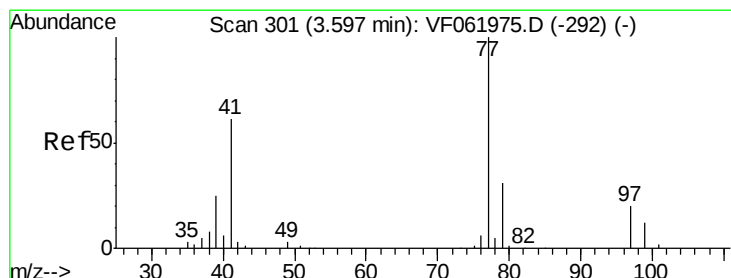
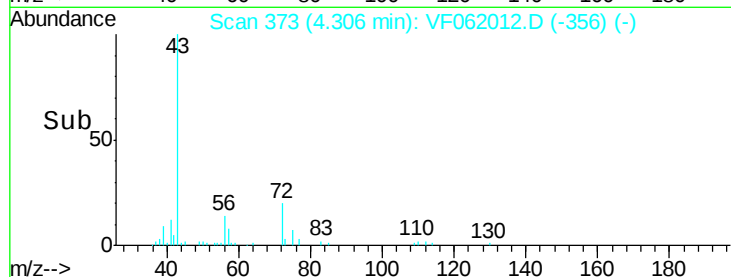
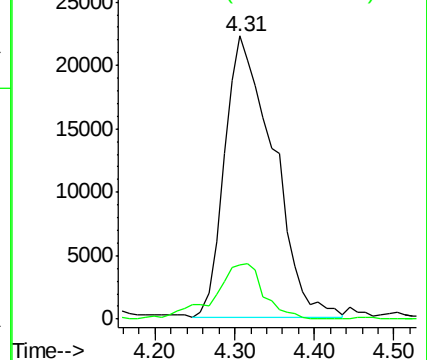
43 100

72 19.3 19.8 29.6#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#26

2,2-Dichloropropane

Concen: 20.819 ug/l

RT: 3.58 min Scan# 299

Delta R.T. -0.02 min

Lab File: VF062012.D

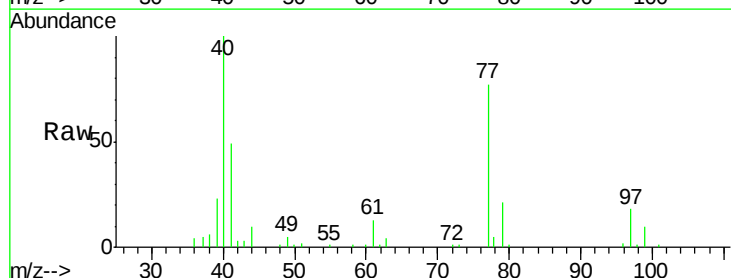
Acq: 19 Mar 2019 12:21

Tgt Ion: 77 Resp: 40742

Ion Ratio Lower Upper

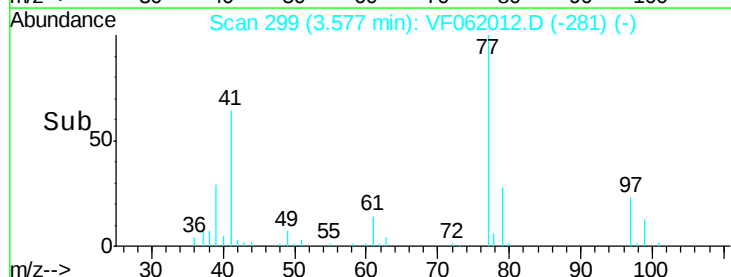
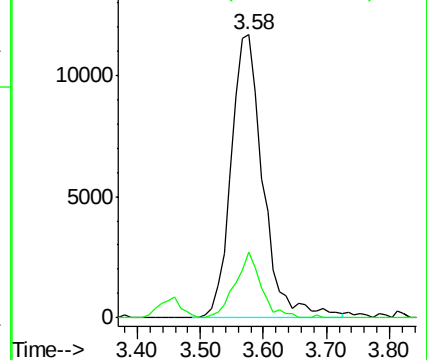
77 100

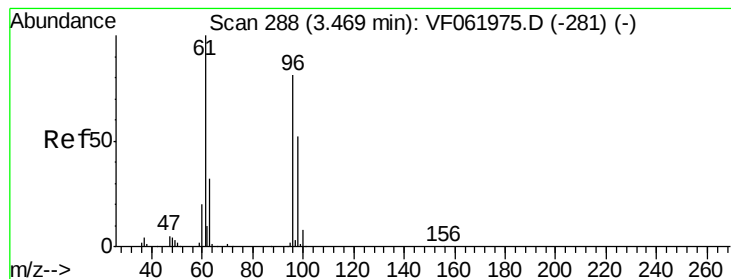
97 23.0 10.8 32.4



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0



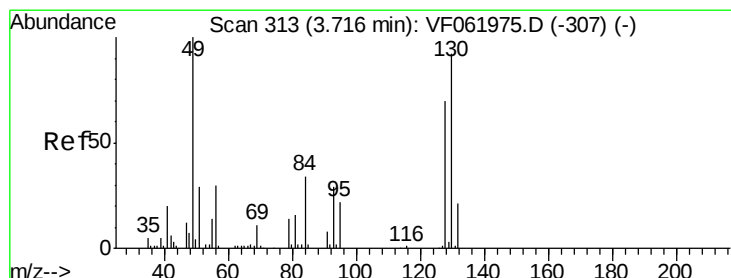
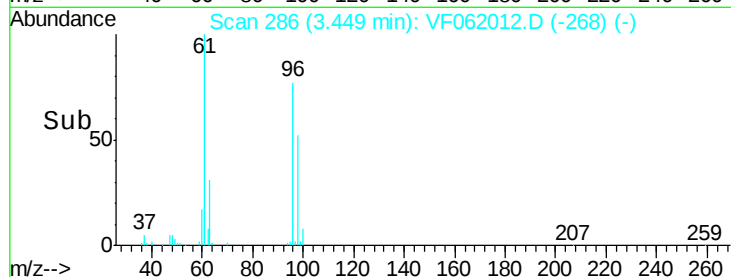
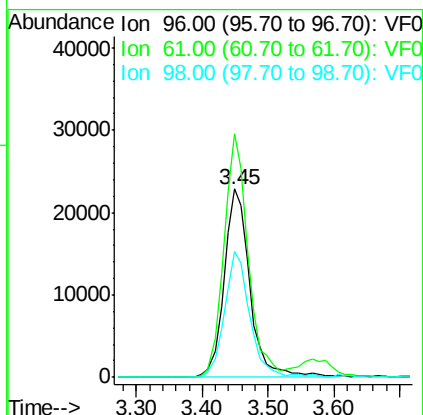
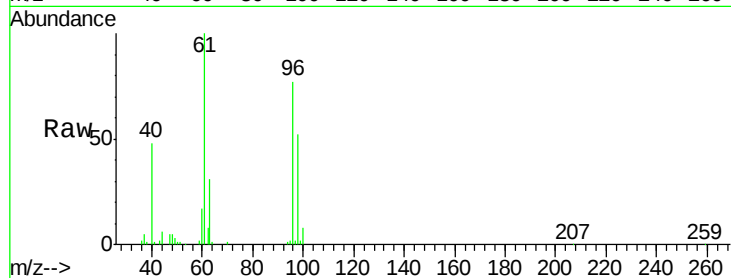


#27

cis-1,2-Dichloroethene
 Concen: 20.495 ug/l
 RT: 3.45 min Scan# 286
 Delta R.T. -0.02 min
 Lab File: VF062012.D
 Acq: 19 Mar 2019 12:21

Instrument :
 MSVOA_F
 ClientSampleId :

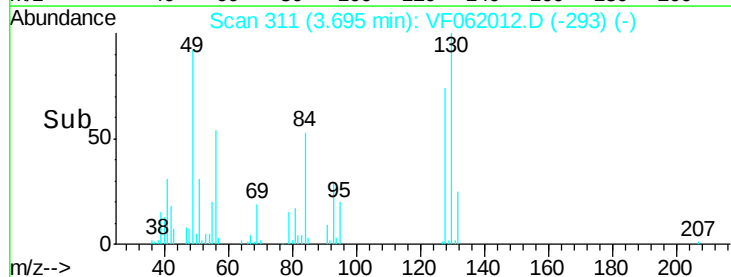
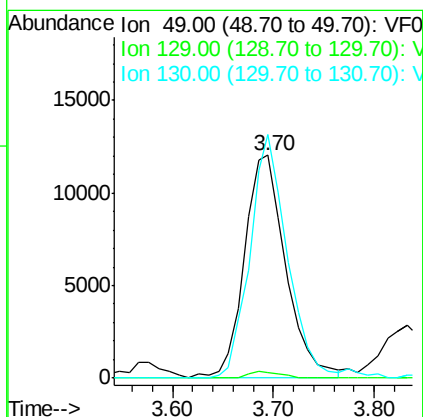
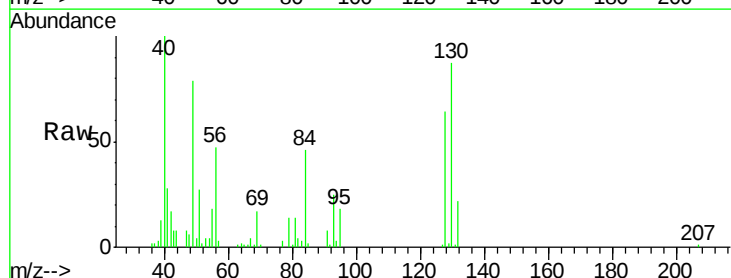
Tot Ion: 96 Resp: 62645
 Ion Ratio Lower Upper
 96 100
 61 129.2 0.0 246.6
 98 67.0 0.0 129.2

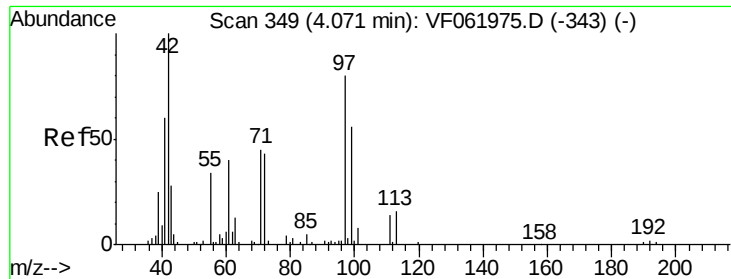


#28

Bromochloromethane
 Concen: 19.976 ug/l
 RT: 3.70 min Scan# 311
 Delta R.T. -0.02 min
 Lab File: VF062012.D
 Acq: 19 Mar 2019 12:21

Tgt Ion: 49 Resp: 34389
 Ion Ratio Lower Upper
 49 100
 129 2.2 0.0 5.8
 130 109.2 73.1 109.7

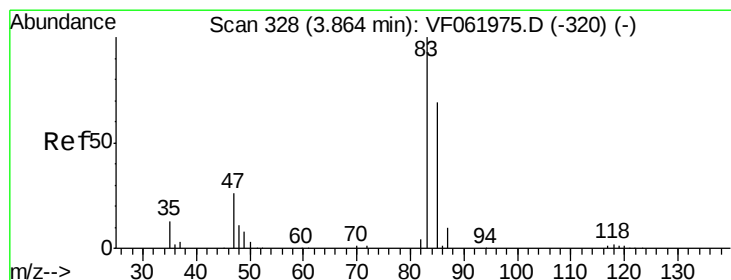
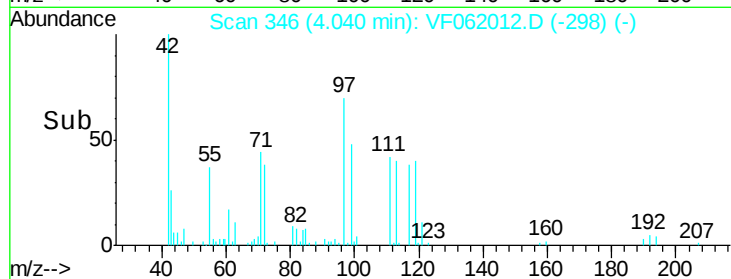
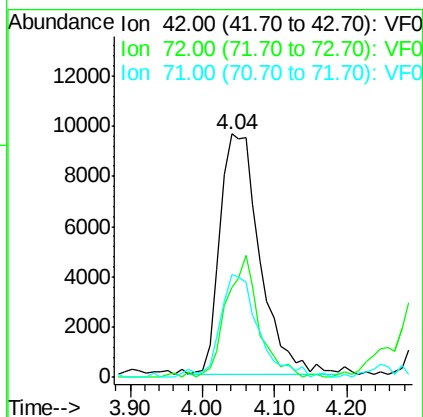
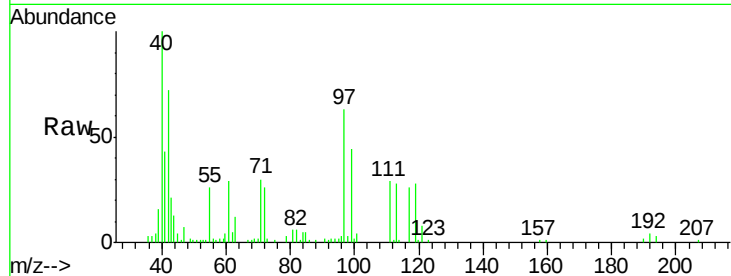




#29
Tetrahydrofuran
Concen: 96.480 ug/l
RT: 4.04 min Scan# 346
Delta R.T. -0.03 min
Lab File: VF062012.D
Acq: 19 Mar 2019 12:21

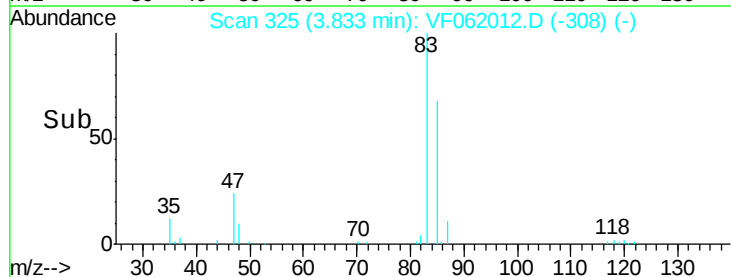
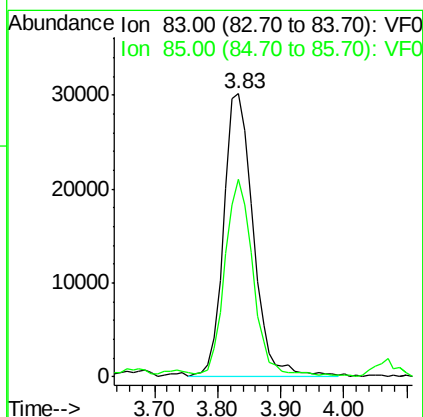
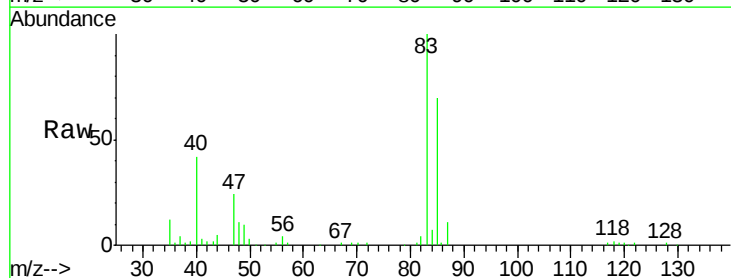
Instrument :
MSVOA_F
ClientSampleId :

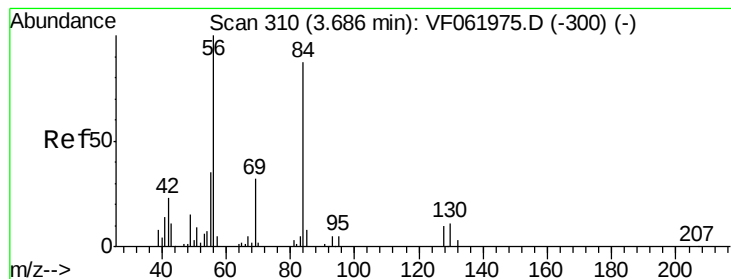
Tot Ion: 42 Resp: 36984
Ion Ratio Lower Upper
42 100
72 41.2 34.0 51.0
71 41.3 34.2 51.4



#30
Chloroform
Concen: 20.921 ug/l
RT: 3.83 min Scan# 325
Delta R.T. -0.03 min
Lab File: VF062012.D
Acq: 19 Mar 2019 12:21

Tgt Ion: 83 Resp: 98345
Ion Ratio Lower Upper
83 100
85 69.8 55.5 83.3





#31

Cyclohexane

Concen: 12.236 ug/l

RT: 3.67 min Scan# 308

Delta R.T. -0.02 min

Lab File: VF062012.D

Acq: 19 Mar 2019 12:21

Instrument :
MSVOA_F
ClientSampleId :

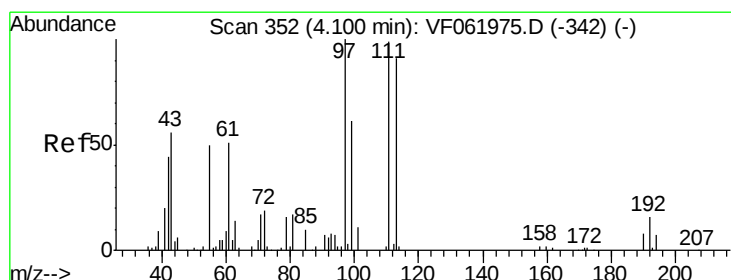
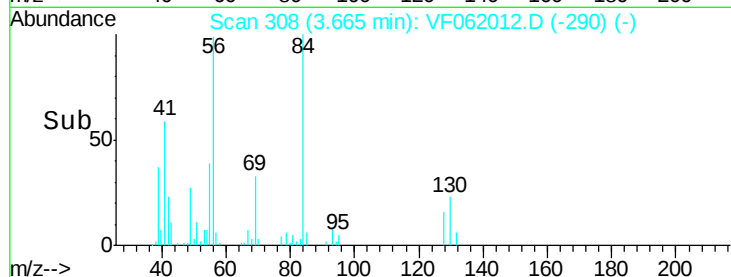
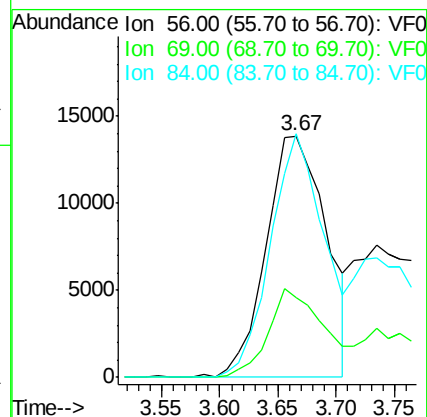
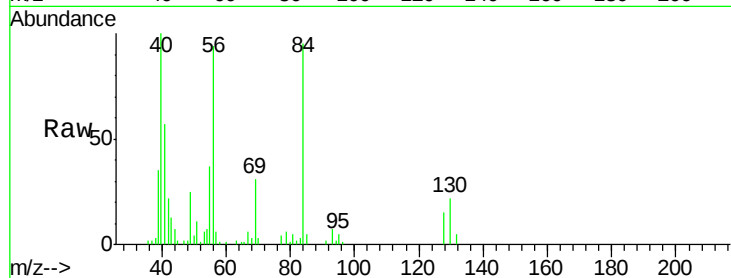
Tot Ion: 56 Resp: 49736

Ion Ratio Lower Upper

56 100

69 33.1 25.8 38.8

84 100.8 69.5 104.3



#32

1,1,1-Trichloroethane

Concen: 20.261 ug/l

RT: 4.07 min Scan# 349

Delta R.T. -0.03 min

Lab File: VF062012.D

Acq: 19 Mar 2019 12:21

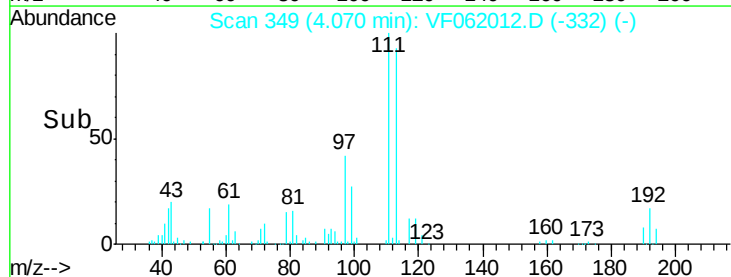
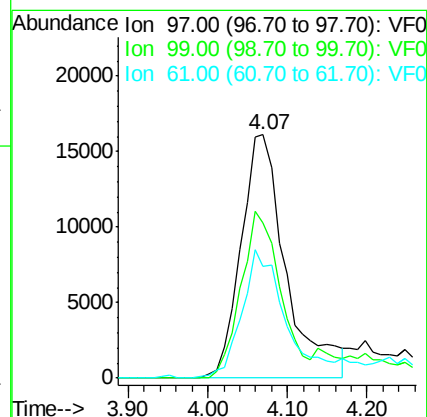
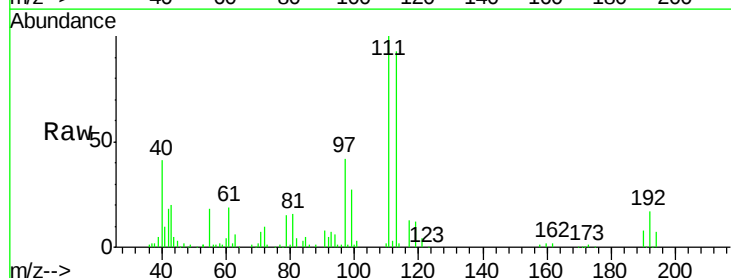
Tgt Ion: 97 Resp: 63253

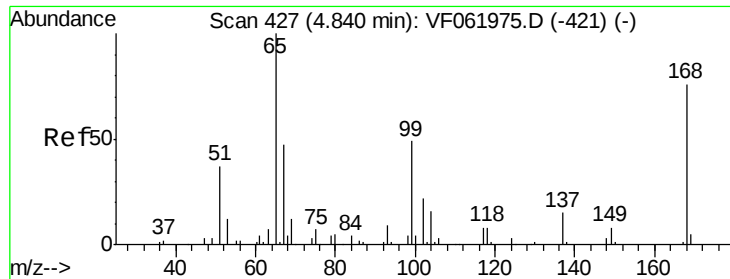
Ion Ratio Lower Upper

97 100

99 63.8 49.0 73.4

61 45.8 41.4 62.0

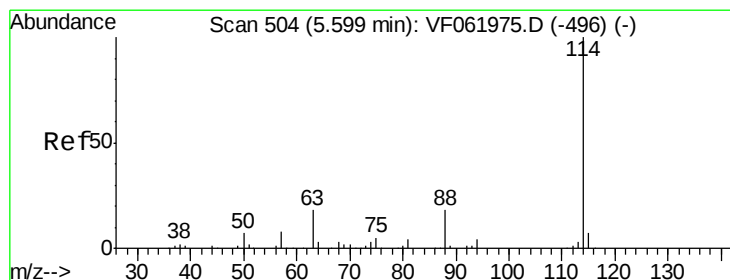
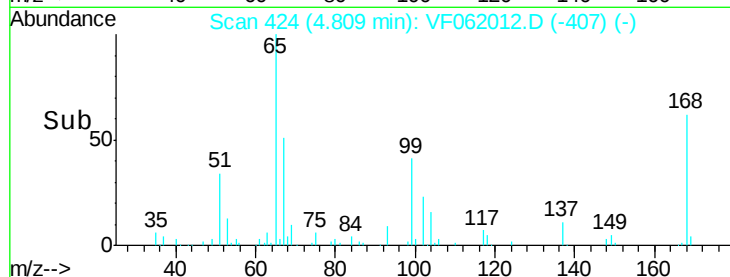
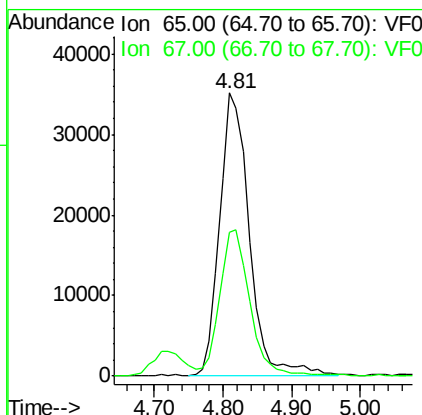
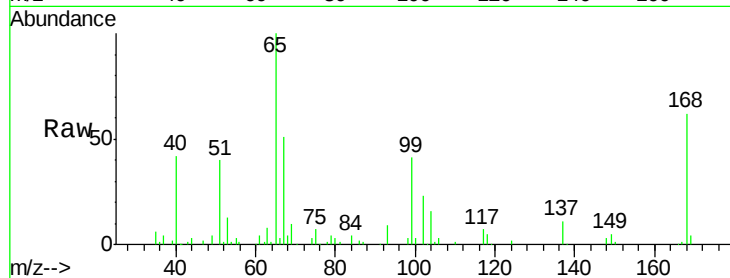




#33
 1,2-Dichloroethane-d4
 Concen: 53.378 ug/l
 RT: 4.81 min Scan# 424
 Delta R.T. -0.03 min
 Lab File: VF062012.D
 Acq: 19 Mar 2019 12:21

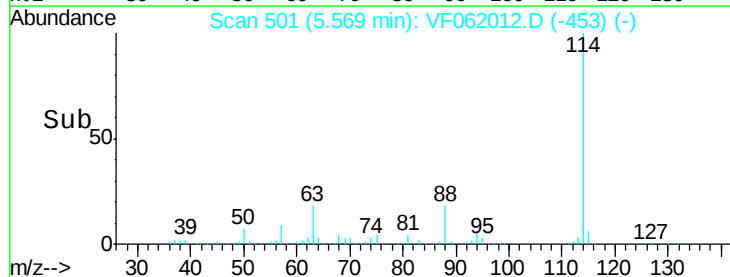
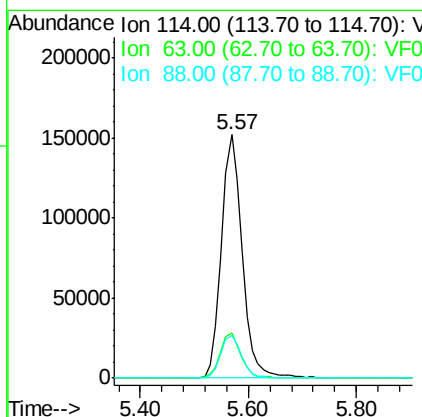
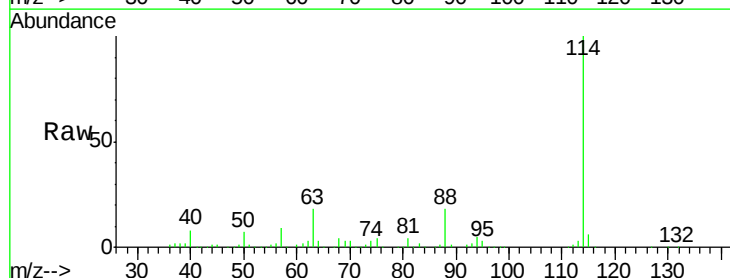
Instrument :
 MSVOA_F
 ClientSampled :

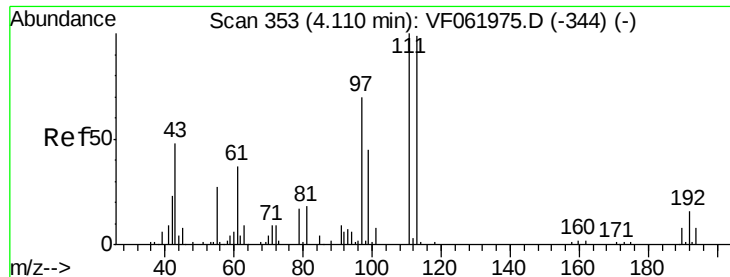
Tot Ion: 65 Resp: 105796
 Ion Ratio Lower Upper
 65 100
 67 51.0 0.0 109.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.57 min Scan# 501
 Delta R.T. -0.03 min
 Lab File: VF062012.D
 Acq: 19 Mar 2019 12:21

Tgt Ion: 114 Resp: 406207
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 36.4
 88 17.6 0.0 36.4





#35

Dibromofluoromethane

Concen: 52.159 ug/l

RT: 4.08 min Scan# 350

Delta R.T. -0.03 min

Lab File: VF062012.D

Acq: 19 Mar 2019 12:21

Instrument :
MSVOA_F
ClientSampleId :

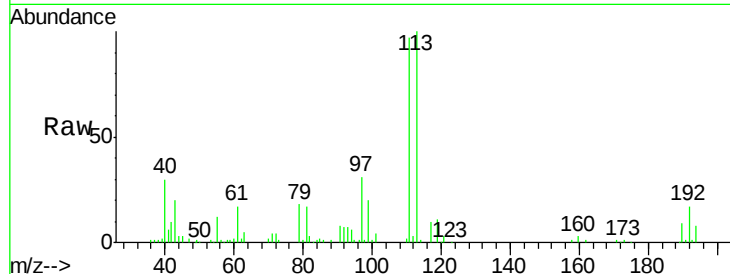
Tot Ion:113 Resp: 142276

Ion Ratio Lower Upper

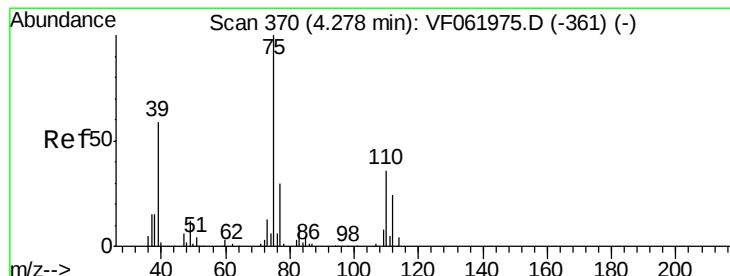
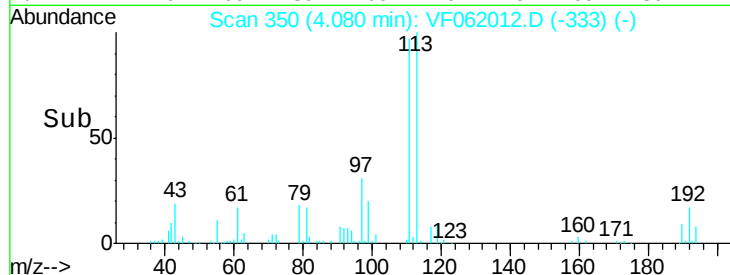
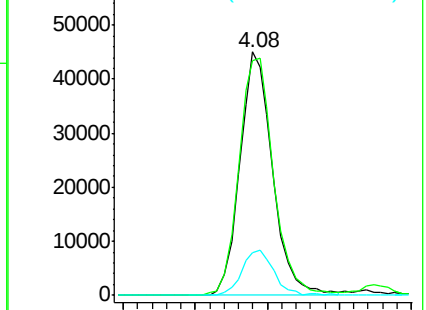
113 100

111 96.6 80.8 121.2

192 18.1 13.0 19.6



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: 22.170 ug/l

RT: 4.25 min Scan# 367

Delta R.T. -0.03 min

Lab File: VF062012.D

Acq: 19 Mar 2019 12:21

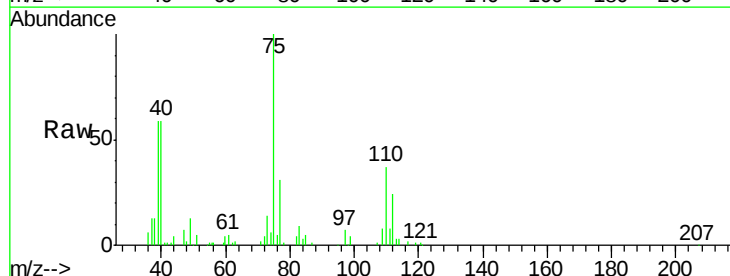
Tgt Ion: 75 Resp: 81326

Ion Ratio Lower Upper

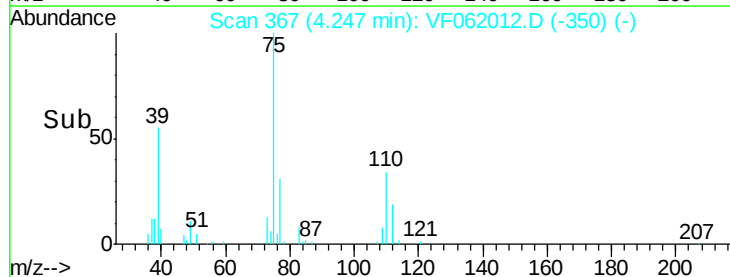
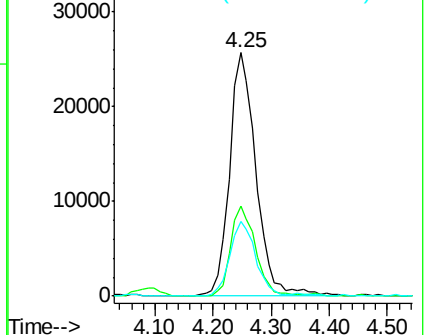
75 100

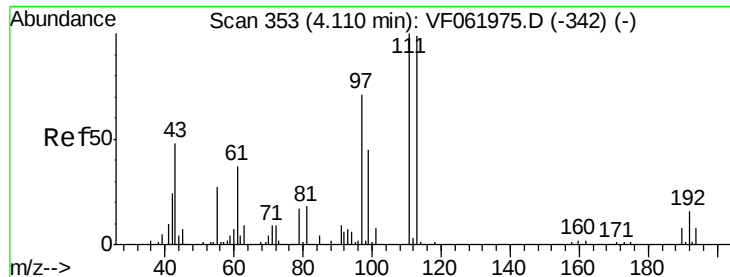
110 37.1 17.8 53.3

77 30.6 24.2 36.2



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

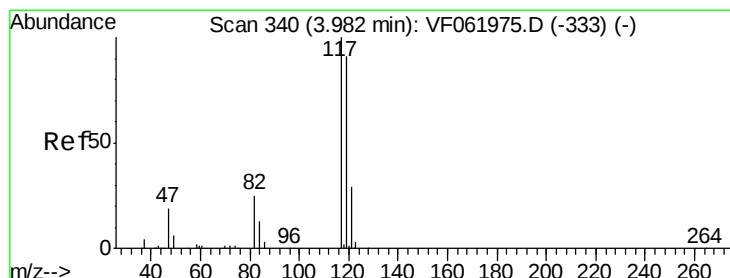
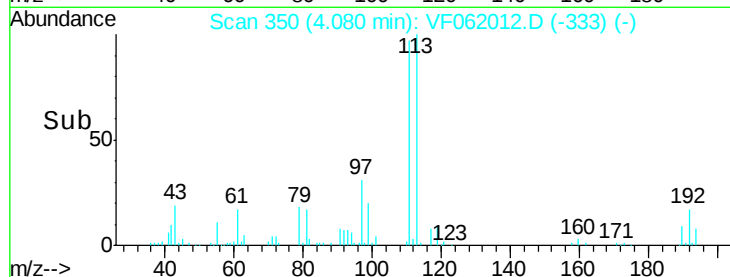
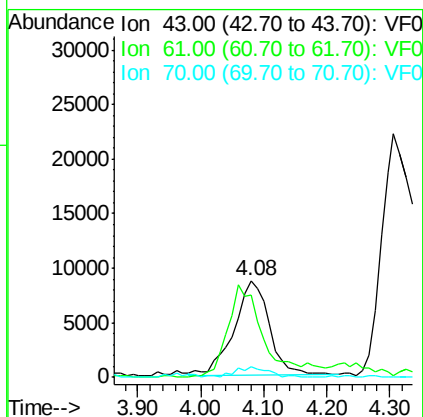
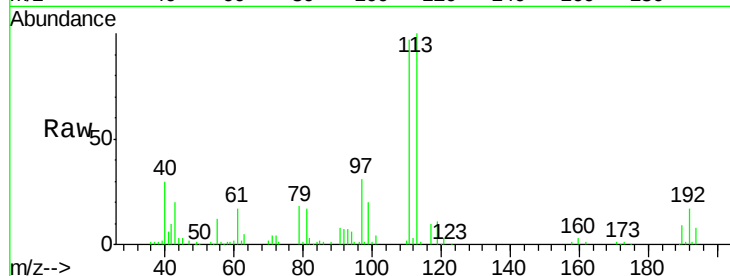




#37
Ethyl Acetate
Concen: 20.184 ug/l
RT: 4.08 min Scan# 350
Delta R.T. -0.03 min
Lab File: VF062012.D
Acq: 19 Mar 2019 12:21

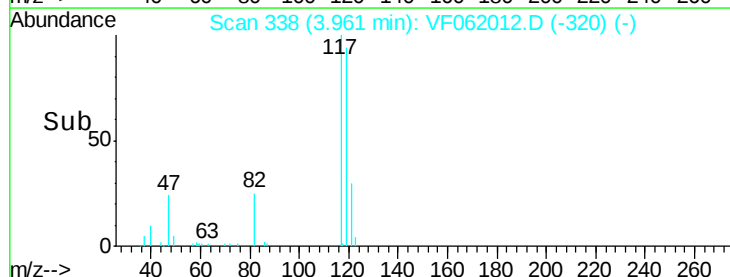
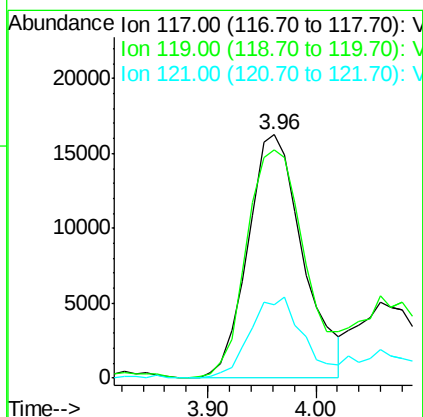
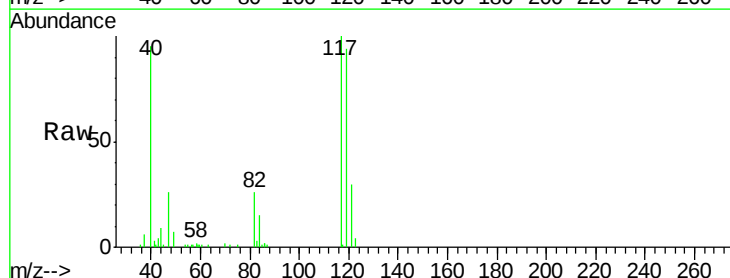
Instrument :
MSVOA_F
ClientSampleId :

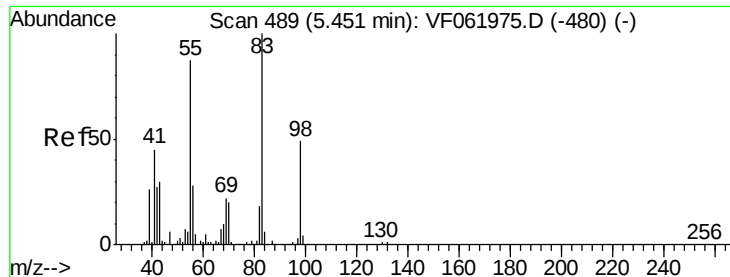
Tot Ion: 43 Resp: 33245
Ion Ratio Lower Upper
43 100
61 84.7 59.8 89.6
70 11.3 7.8 11.8



#38
Carbon Tetrachloride
Concen: 21.542 ug/l
RT: 3.96 min Scan# 338
Delta R.T. -0.02 min
Lab File: VF062012.D
Acq: 19 Mar 2019 12:21

Tgt Ion: 117 Resp: 57752
Ion Ratio Lower Upper
117 100
119 93.7 73.0 109.4
121 30.1 23.0 34.6

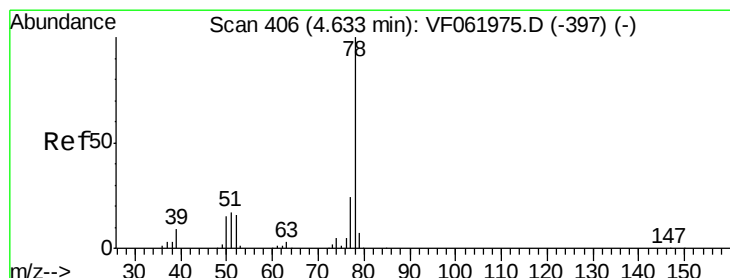
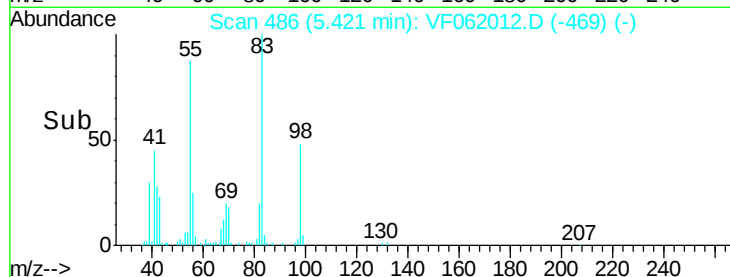
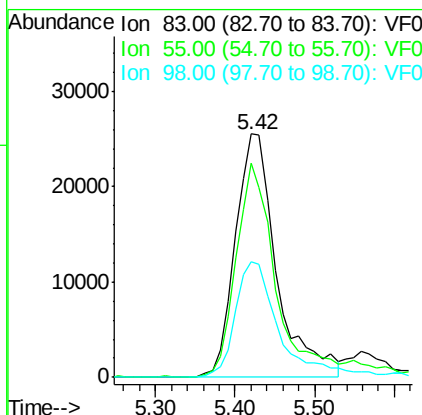
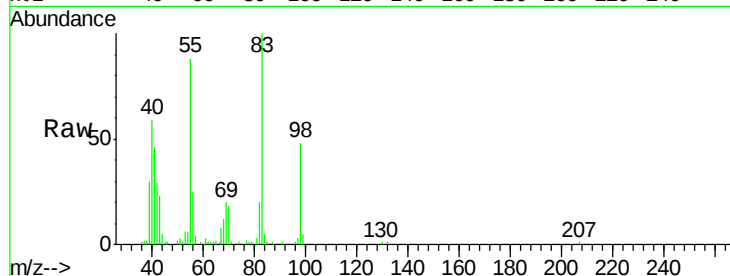




#39
Methvlcvclohexane
Concen: 21.415 ug/l
RT: 5.42 min Scan# 486
Delta R.T. -0.03 min
Lab File: VF062012.D
Acq: 19 Mar 2019 12:21

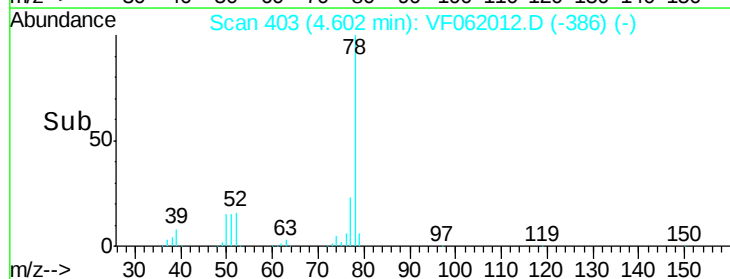
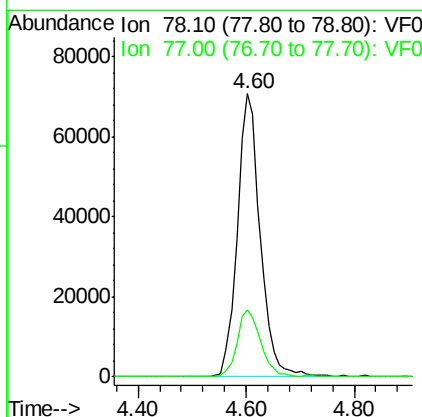
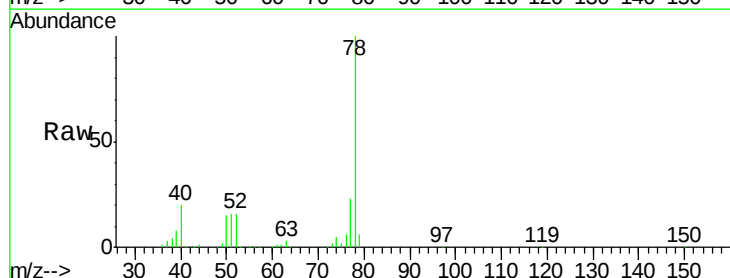
Instrument :
MSVOA_F
ClientSampleId :

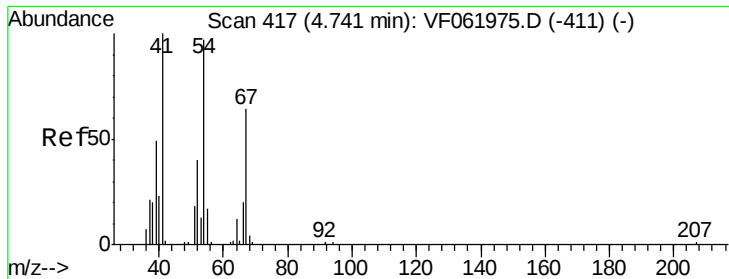
Tot Ion: 83 Resp: 92221
Ion Ratio Lower Upper
83 100
55 87.8 69.7 104.5
98 47.6 39.4 59.0



#40
Benzene
Concen: 21.559 ug/l
RT: 4.60 min Scan# 403
Delta R.T. -0.03 min
Lab File: VF062012.D
Acq: 19 Mar 2019 12:21

Tgt Ion: 78 Resp: 209553
Ion Ratio Lower Upper
78 100
77 23.5 19.0 28.4

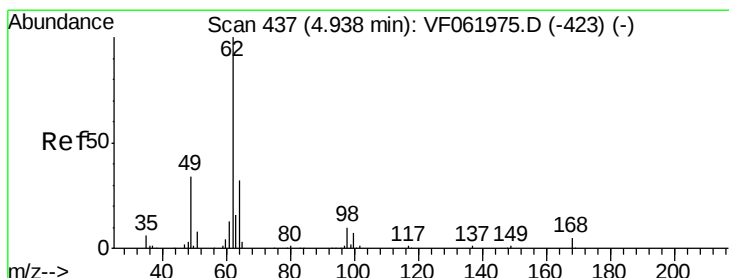
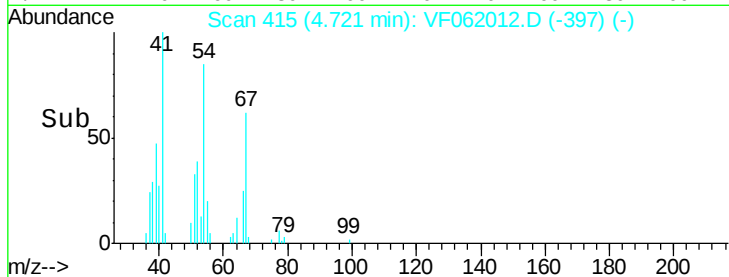
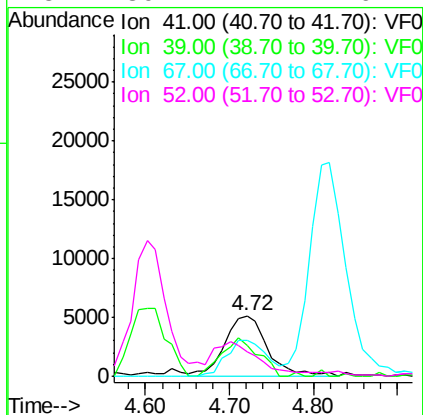
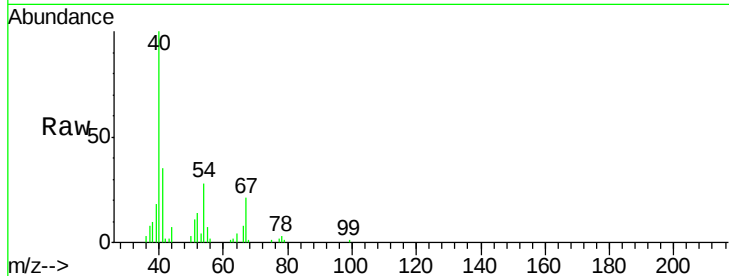




#41
Methacrylonitrile
Concen: 20.692 ug/l
RT: 4.72 min Scan# 415
Delta R.T. -0.02 min
Lab File: VF062012.D
Acq: 19 Mar 2019 12:21

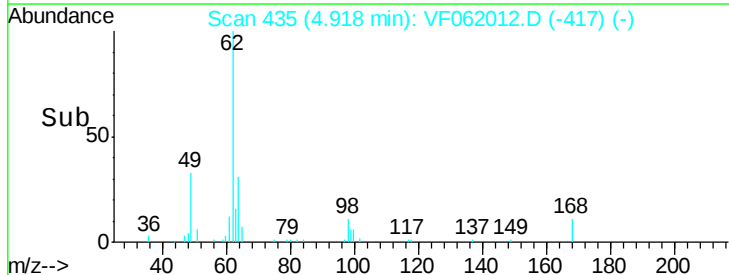
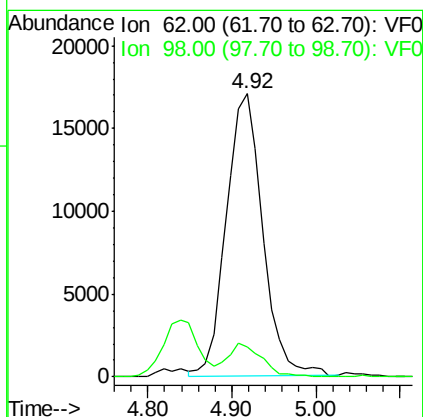
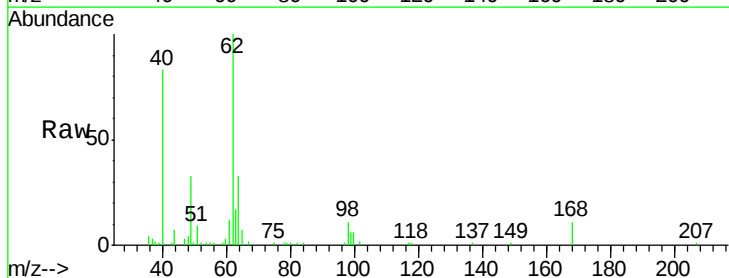
Instrument :
MSVOA_F
ClientSampleId :

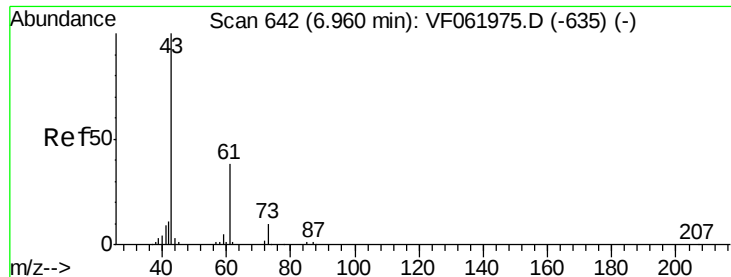
Tot Ion: 41 Resp: 18209
Ion Ratio Lower Upper
41 100
39 51.2 46.2 69.4
67 58.8 49.8 74.8
52 39.4 42.7 64.1#



#42
1,2-Dichloroethane
Concen: 21.193 ug/l
RT: 4.92 min Scan# 435
Delta R.T. -0.02 min
Lab File: VF062012.D
Acq: 19 Mar 2019 12:21

Tgt Ion: 62 Resp: 51280
Ion Ratio Lower Upper
62 100
98 10.8 0.0 19.8



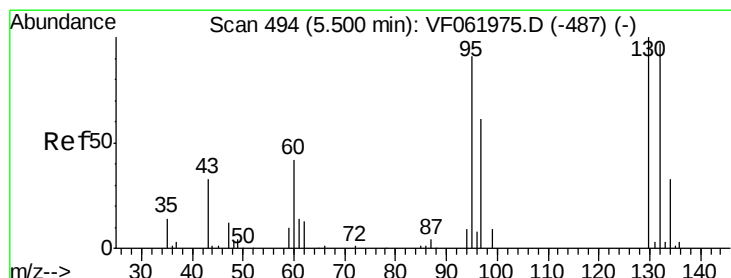
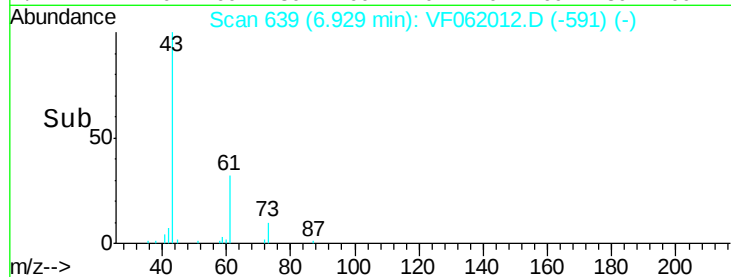
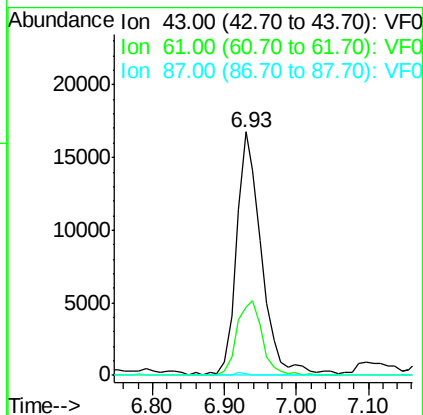
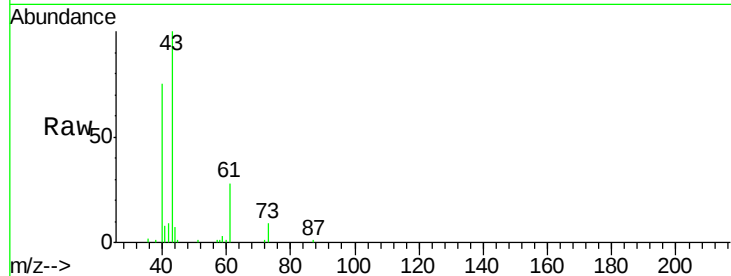


#43

Isopropyl Acetate
 Concen: 20.814 ug/l
 RT: 6.93 min Scan# 639
 Delta R.T. -0.03 min
 Lab File: VF062012.D
 Acq: 19 Mar 2019 12:21

Instrument :
 MSVOA_F
 ClientSampleId :

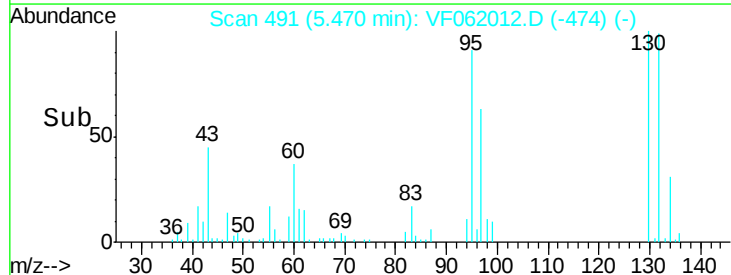
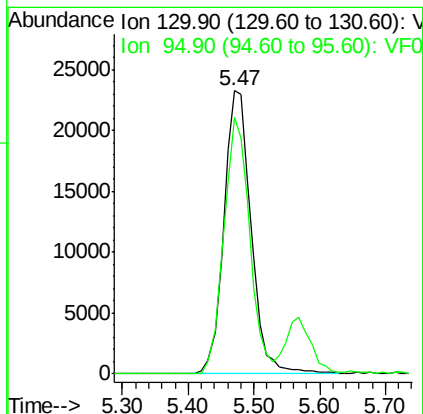
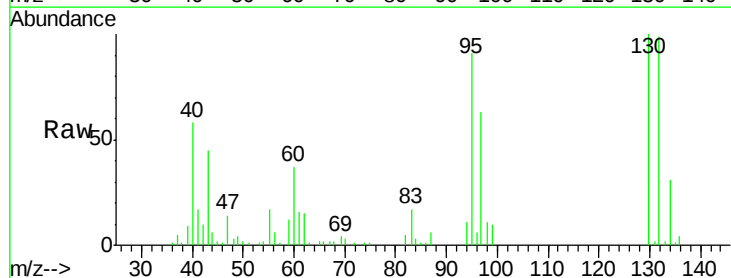
Tot Ion: 43 Resp: 40562
 Ion Ratio Lower Upper
 43 100
 61 28.0 30.1 45.1#
 87 0.8 0.4 0.6#

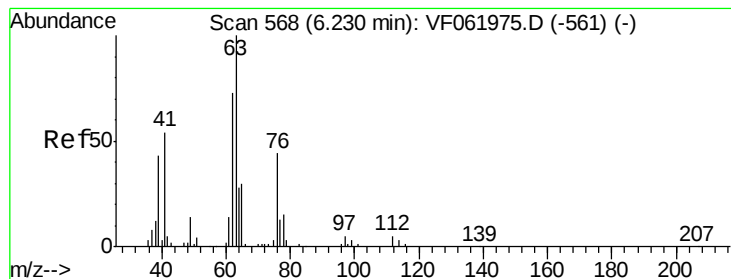


#44

Trichloroethene
 Concen: 22.621 ug/l
 RT: 5.47 min Scan# 491
 Delta R.T. -0.03 min
 Lab File: VF062012.D
 Acq: 19 Mar 2019 12:21

Tgt Ion: 130 Resp: 67355
 Ion Ratio Lower Upper
 130 100
 95 90.8 0.0 181.4





#45

1,2-Dichloropropane

Concen: 21.295 ug/l

RT: 6.20 min Scan# 565

Delta R.T. -0.03 min

Lab File: VF062012.D

Acq: 19 Mar 2019 12:21

Instrument :

MSVOA_F

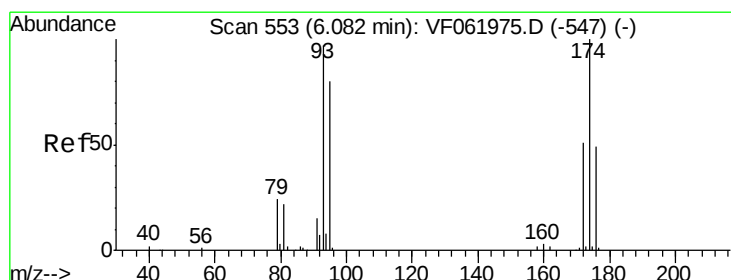
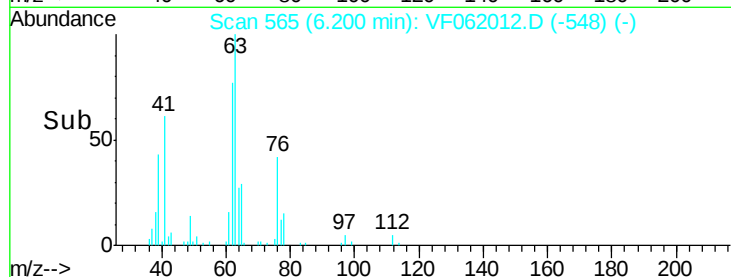
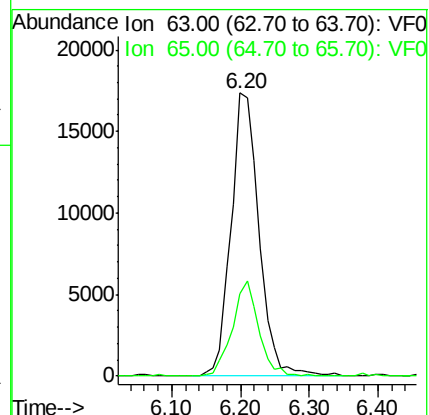
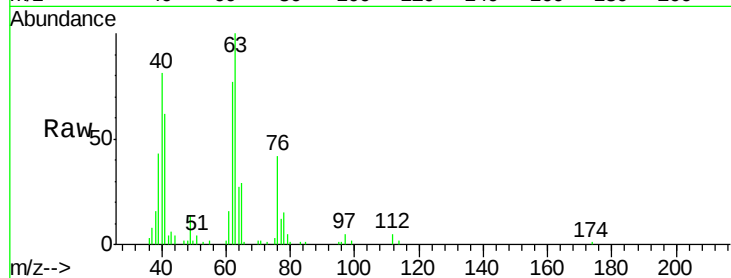
ClientSampleId :

Tot Ion: 63 Resp: 48986

Ion Ratio Lower Upper

63 100

65 29.2 23.7 35.5



#46

Dibromomethane

Concen: 22.120 ug/l

RT: 6.05 min Scan# 550

Delta R.T. -0.03 min

Lab File: VF062012.D

Acq: 19 Mar 2019 12:21

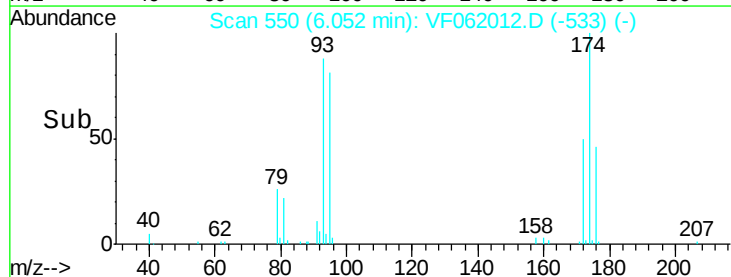
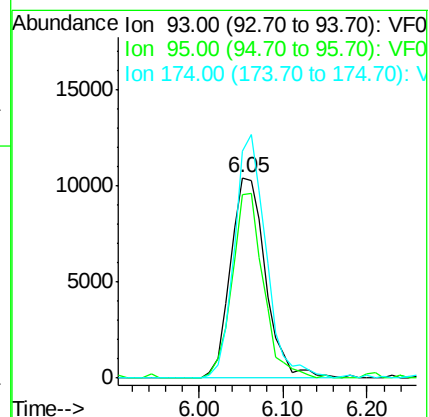
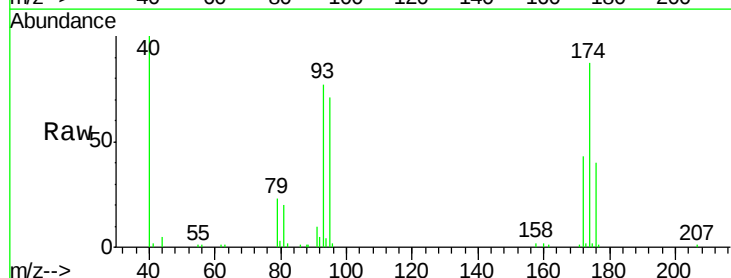
Tgt Ion: 93 Resp: 30269

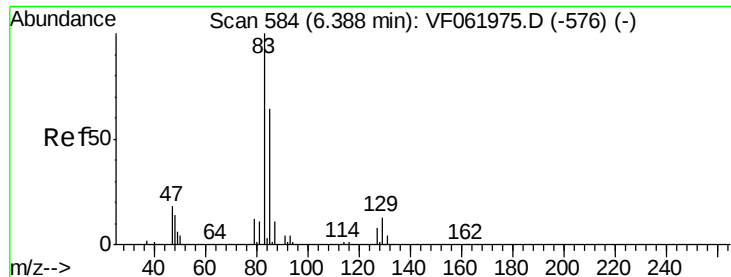
Ion Ratio Lower Upper

93 100

95 91.7 65.7 98.5

174 113.2 82.2 123.4





#47

Bromodichloromethane

Concen: 21.592 ug/l

RT: 6.36 min Scan# 581

Delta R.T. -0.03 min

Lab File: VF062012.D

Acq: 19 Mar 2019 12:21

Instrument :

MSVOA_F

ClientSampleId :

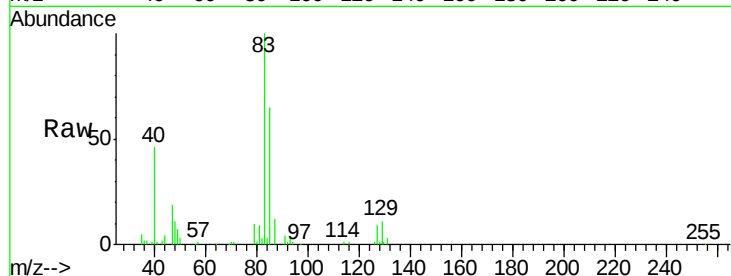
Tot Ion: 83 Resp: 69657

Ion Ratio Lower Upper

83 100

85 64.6 51.4 77.2

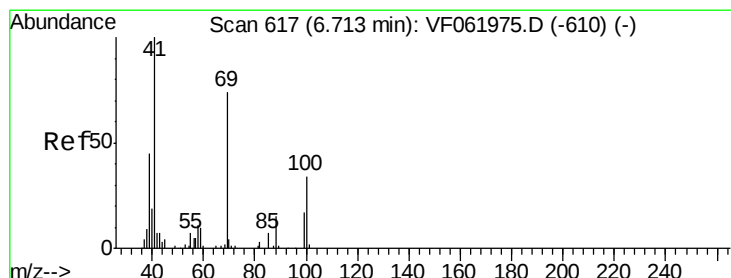
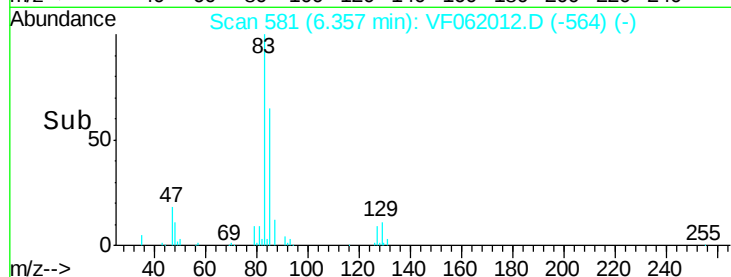
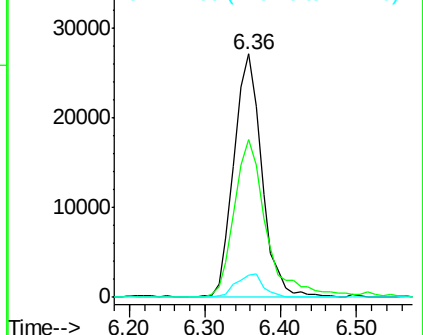
127 9.2 6.5 9.7



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: 20.186 ug/l

RT: 6.69 min Scan# 615

Delta R.T. -0.02 min

Lab File: VF062012.D

Acq: 19 Mar 2019 12:21

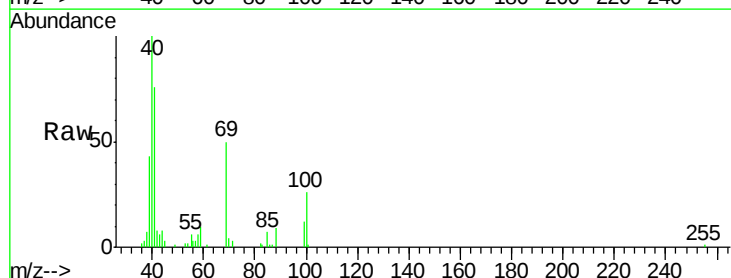
Tgt Ion: 41 Resp: 25424

Ion Ratio Lower Upper

41 100

69 64.9 59.0 88.6

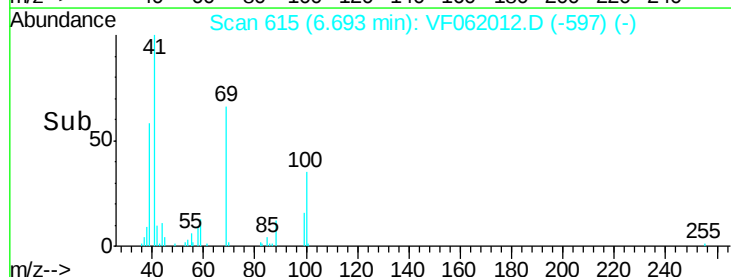
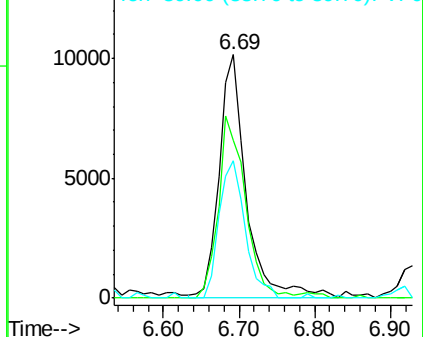
39 56.6 35.6 53.4#

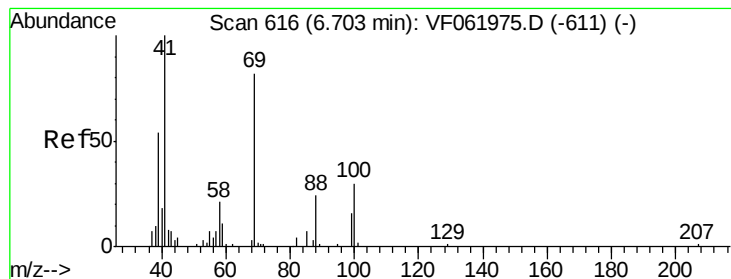


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 463.983 ug/l

RT: 6.68 min Scan# 614

Delta R.T. -0.02 min

Lab File: VF062012.D

Acq: 19 Mar 2019 12:21

Instrument :

MSVOA_F

ClientSampleId :

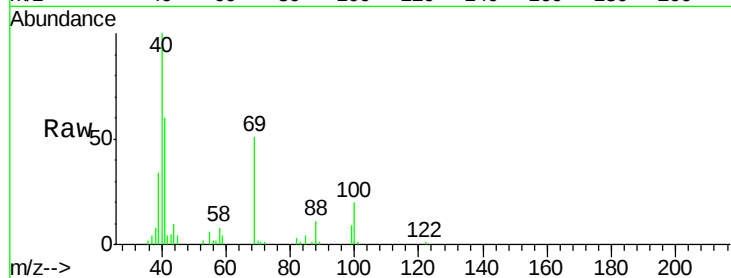
Tot Ion: 88 Resp: 5198

Ion Ratio Lower Upper

88 100

43 48.0 31.2 46.8#

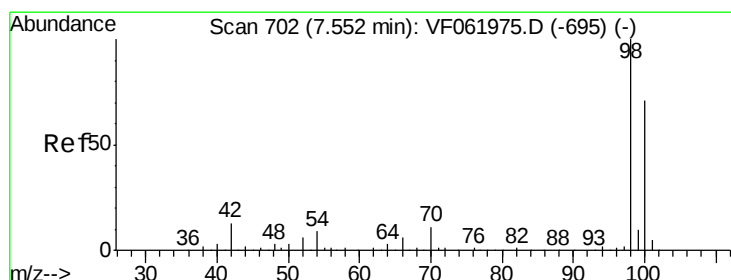
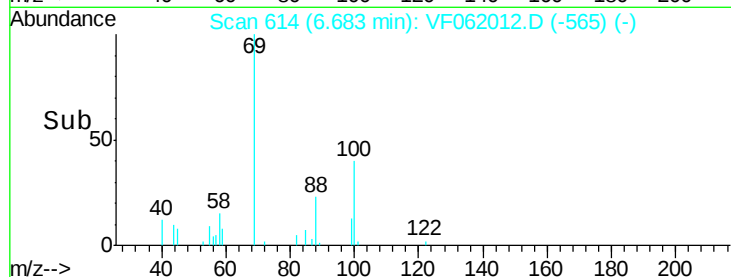
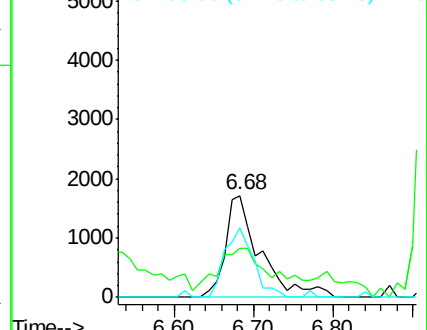
58 68.2 69.9 104.9#



Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#50

Toluene-d8

Concen: 48.960 ug/l

RT: 7.52 min Scan# 699

Delta R.T. -0.03 min

Lab File: VF062012.D

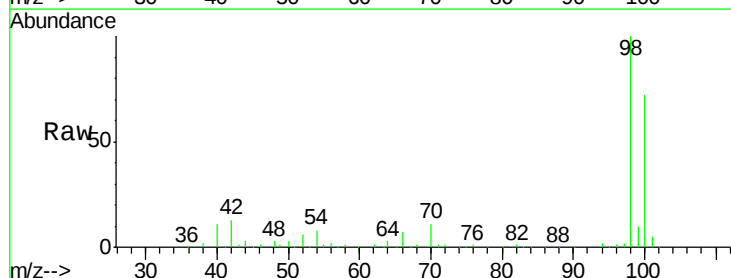
Acq: 19 Mar 2019 12:21

Tgt Ion: 98 Resp: 390412

Ion Ratio Lower Upper

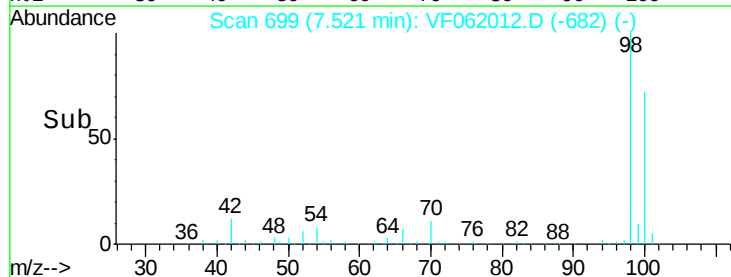
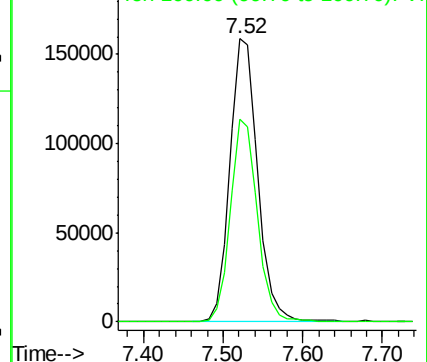
98 100

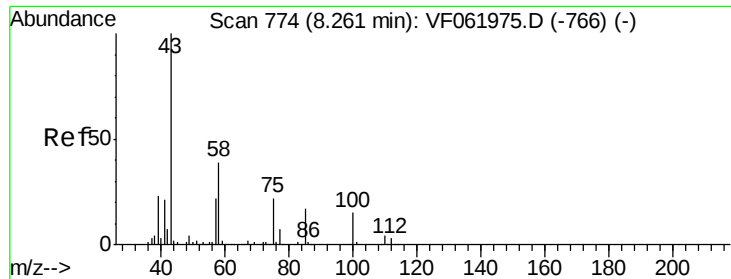
100 71.8 56.8 85.2



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#51

4-Methyl-2-Pentanone

Concen: 107.662 ug/l

RT: 8.23 min Scan# 771

Delta R.T. -0.03 min

Lab File: VF062012.D

Acq: 19 Mar 2019 12:21

Instrument :

MSVOA_F

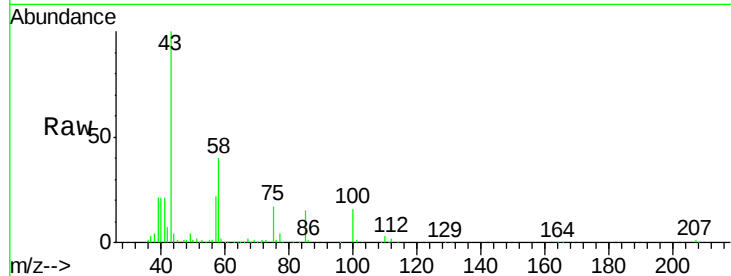
ClientSampleId :

Tot Ion: 43 Resp: 148987

Ion Ratio Lower Upper

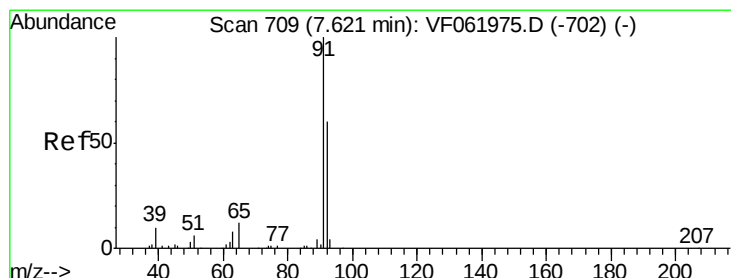
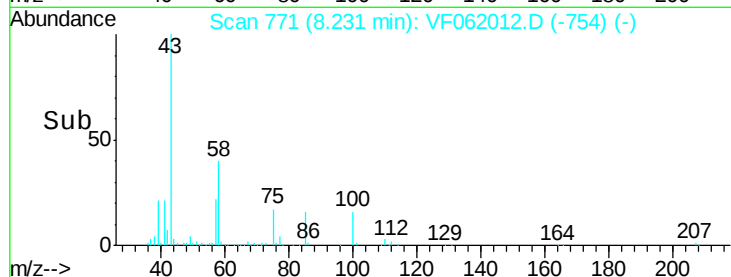
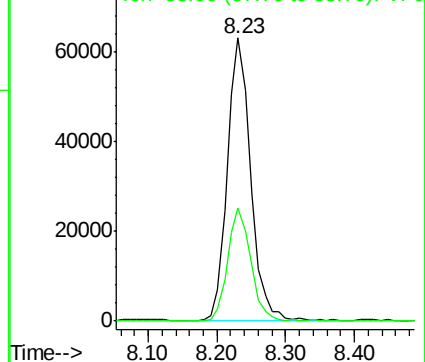
43 100

58 40.2 31.1 46.7



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 18.831 ug/l

RT: 7.59 min Scan# 706

Delta R.T. -0.03 min

Lab File: VF062012.D

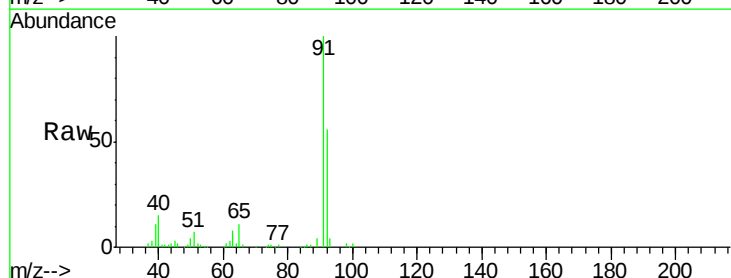
Acq: 19 Mar 2019 12:21

Tgt Ion: 92 Resp: 111833

Ion Ratio Lower Upper

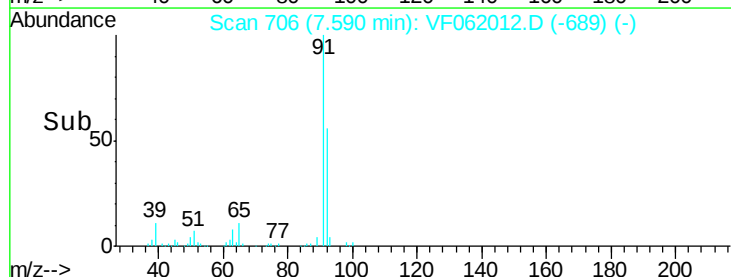
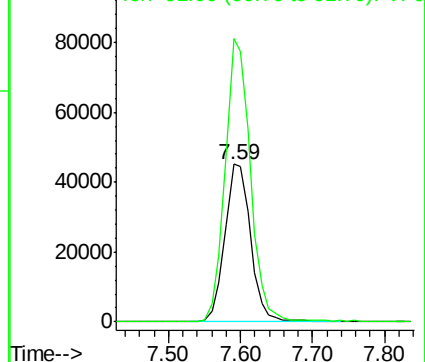
92 100

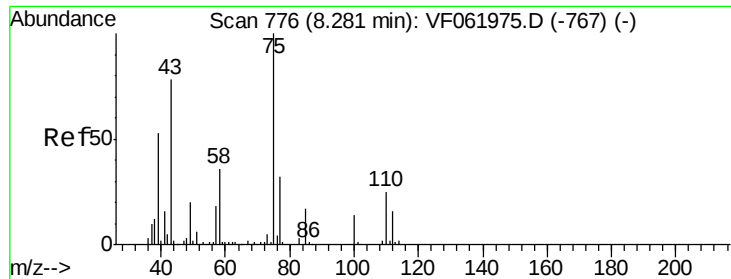
91 179.4 134.0 201.0



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

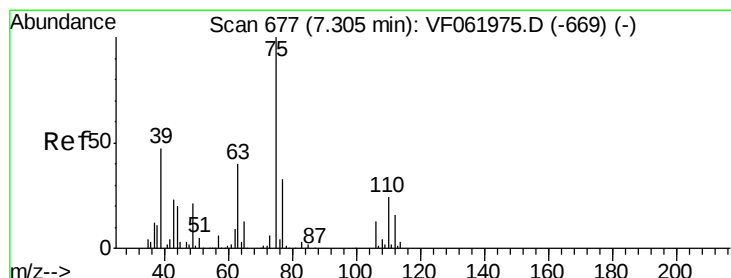
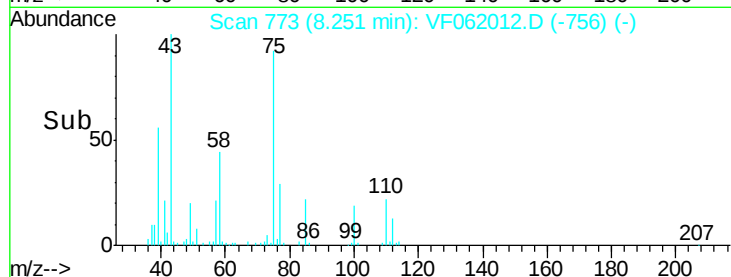
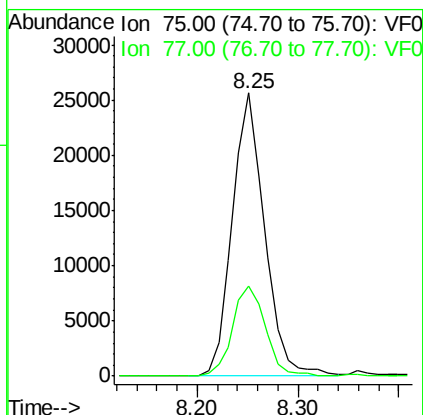
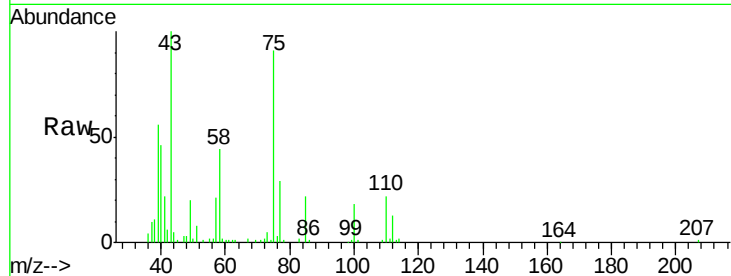




#53
t-1,3-Dichloropropene
Concen: 20.997 ug/l
RT: 8.25 min Scan# 773
Delta R.T. -0.03 min
Lab File: VF062012.D
Acq: 19 Mar 2019 12:21

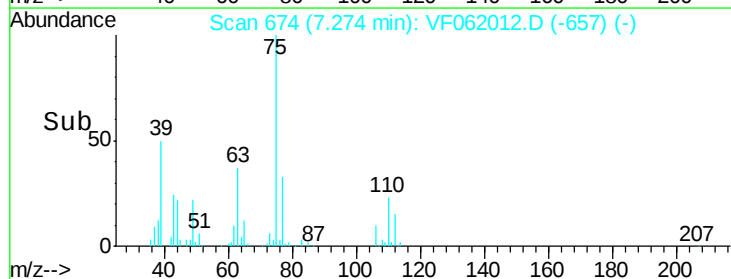
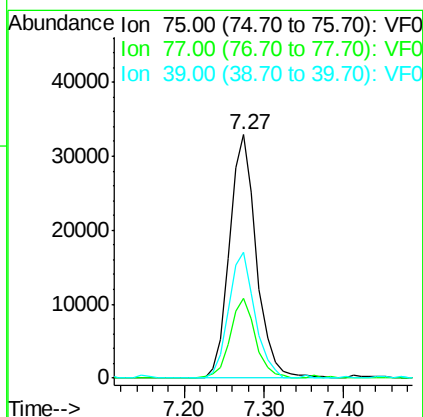
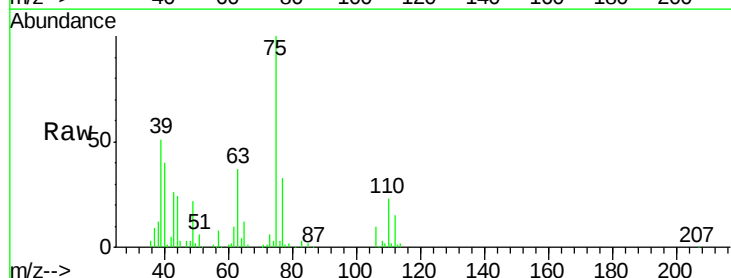
Instrument :
MSVOA_F
ClientSampleId :

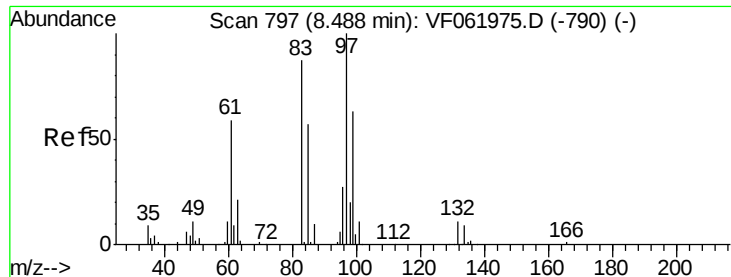
Tot Ion: 75 Resp: 57188
Ion Ratio Lower Upper
75 100
77 31.6 25.5 38.3



#54
cis-1,3-Dichloropropene
Concen: 21.972 ug/l
RT: 7.27 min Scan# 674
Delta R.T. -0.03 min
Lab File: VF062012.D
Acq: 19 Mar 2019 12:21

Tgt Ion: 75 Resp: 78085
Ion Ratio Lower Upper
75 100
77 32.5 26.4 39.6
39 51.4 38.0 57.0





#55

1,1,2-Trichloroethane

Concen: 20.097 ug/l

RT: 8.46 min Scan# 794

Delta R.T. -0.03 min

Lab File: VF062012.D

Acq: 19 Mar 2019 12:21

Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 97 Resp: 33312

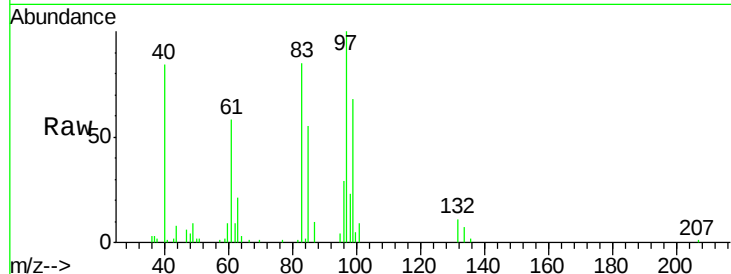
Ion Ratio Lower Upper

97 100

83 84.6 69.7 104.5

85 55.2 45.8 68.6

99 67.8 50.3 75.5

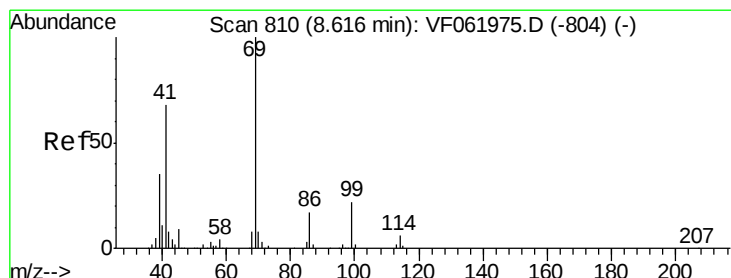
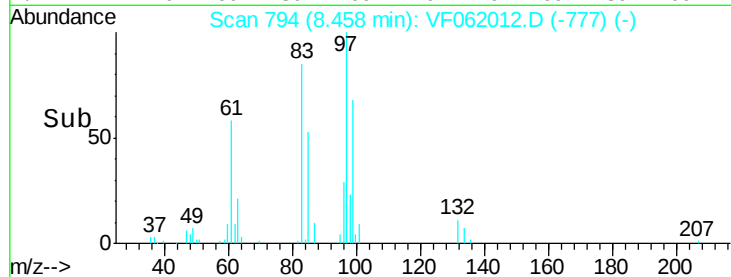
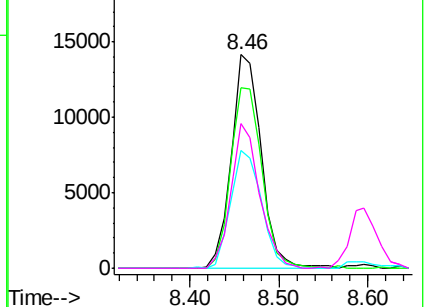


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 21.680 ug/l

RT: 8.60 min Scan# 808

Delta R.T. -0.02 min

Lab File: VF062012.D

Acq: 19 Mar 2019 12:21

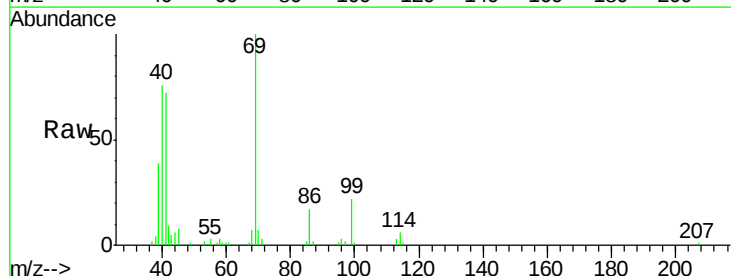
Tgt Ion: 69 Resp: 40851

Ion Ratio Lower Upper

69 100

41 72.0 54.7 82.1

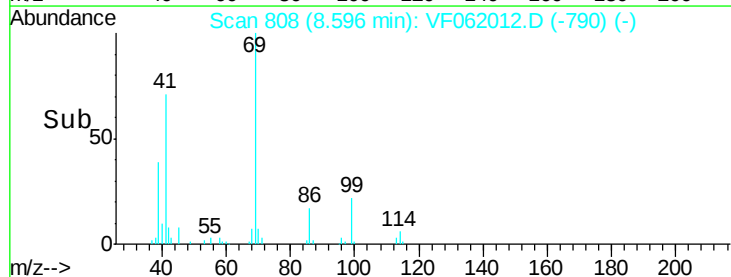
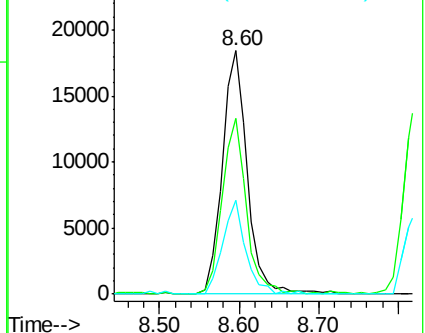
39 38.6 27.9 41.9

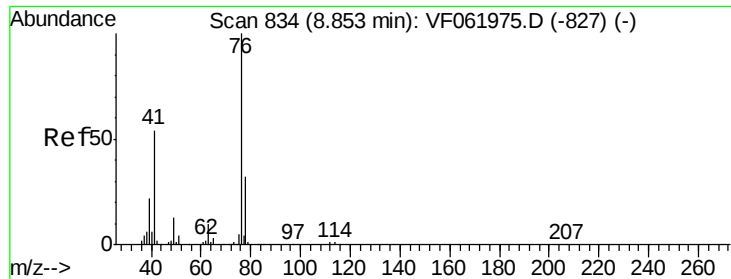


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

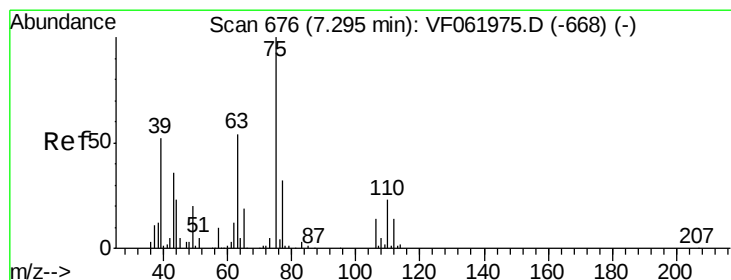
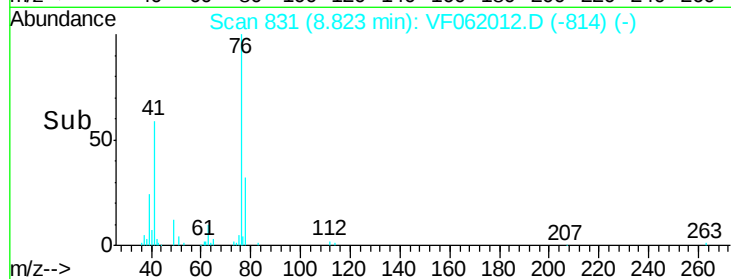
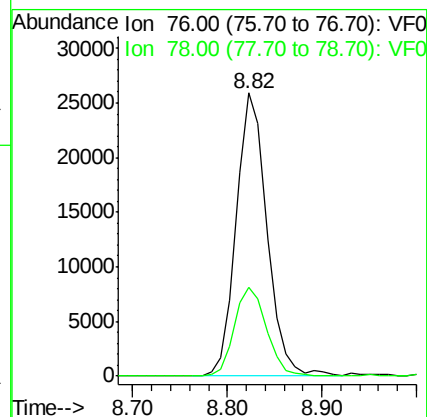
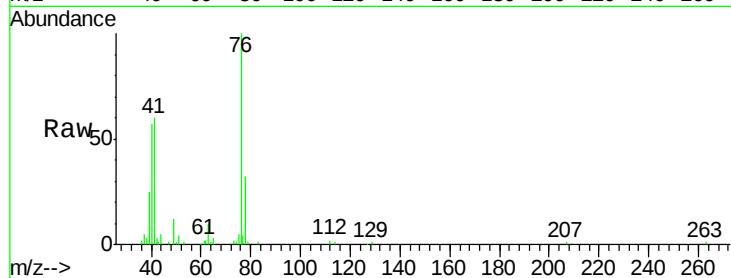




#57
 1,3-Dichloropropane
 Concen: 21.136 ug/l
 RT: 8.82 min Scan# 831
 Delta R.T. -0.03 min
 Lab File: VF062012.D
 Acq: 19 Mar 2019 12:21

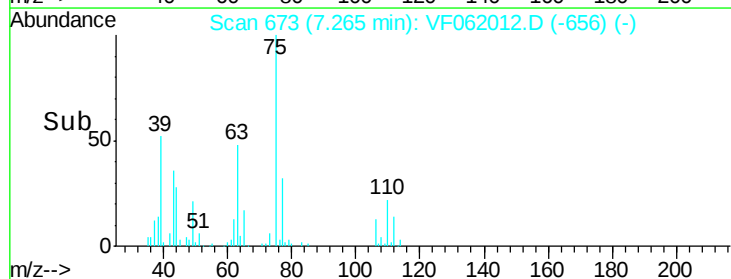
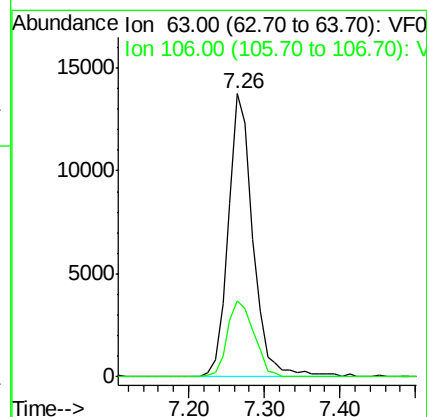
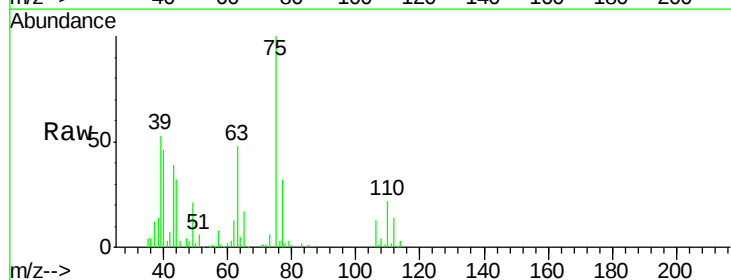
Instrument :
 MSVOA_F
 ClientSampled :

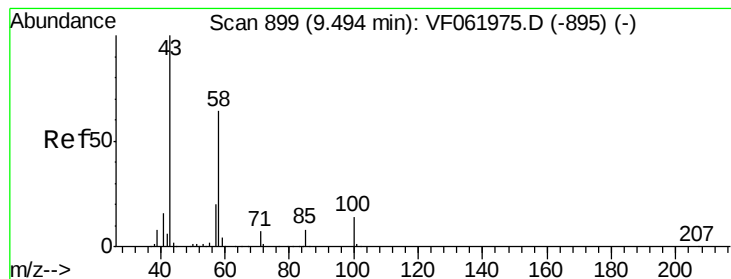
Tot Ion: 76 Resp: 58439
 Ion Ratio Lower Upper
 76 100
 78 31.5 25.4 38.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 90.505 ug/l
 RT: 7.26 min Scan# 673
 Delta R.T. -0.03 min
 Lab File: VF062012.D
 Acq: 19 Mar 2019 12:21

Tgt Ion: 63 Resp: 30888
 Ion Ratio Lower Upper
 63 100
 106 26.9 20.9 31.3





#59

2-Hexanone

Concen: 108.505 ug/l

RT: 9.46 min Scan# 896

Delta R.T. -0.03 min

Lab File: VF062012.D

Acq: 19 Mar 2019 12:21

Instrument :

MSVOA_F

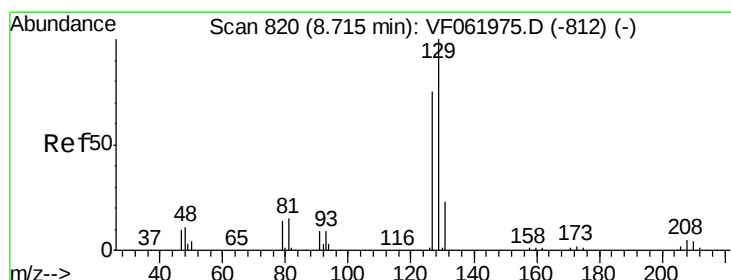
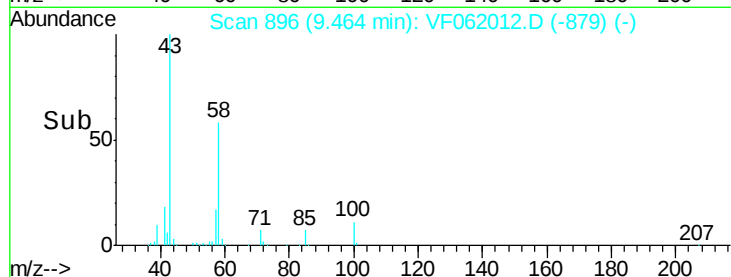
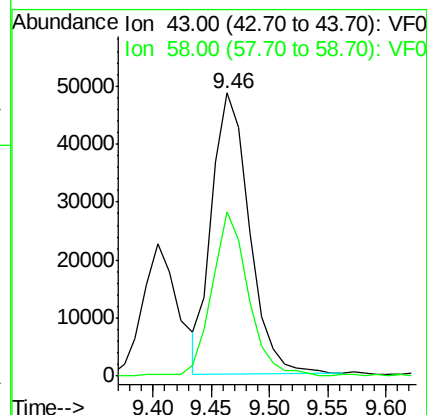
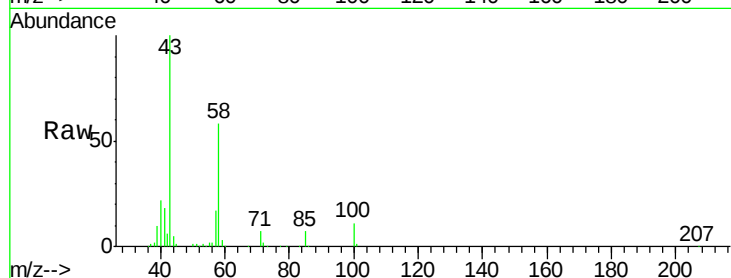
ClientSampleId :

Tot Ion: 43 Resp: 108667

Ion Ratio Lower Upper

43 100

58 58.2 28.4 85.2



#60

Dibromochloromethane

Concen: 22.820 ug/l

RT: 8.68 min Scan# 817

Delta R.T. -0.03 min

Lab File: VF062012.D

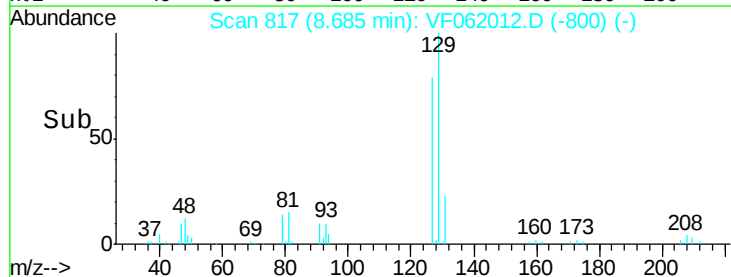
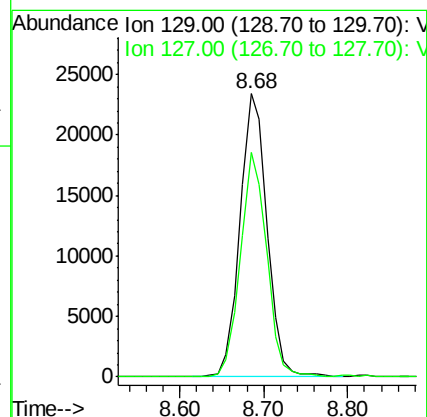
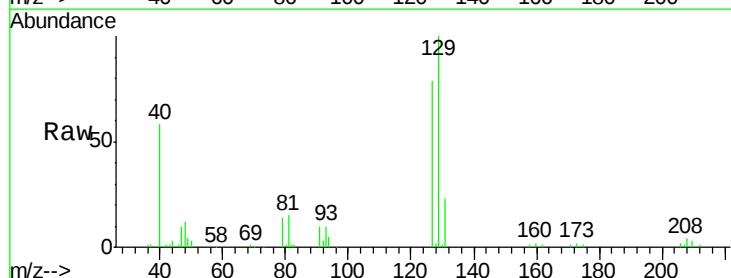
Acq: 19 Mar 2019 12:21

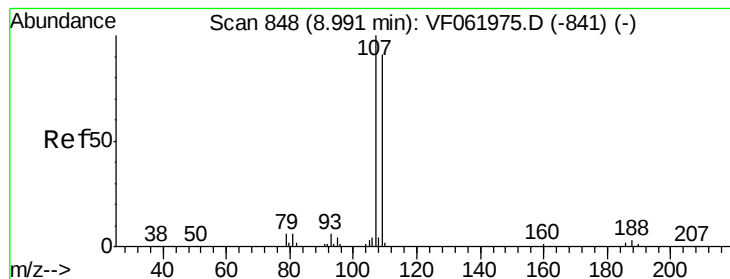
Tgt Ion:129 Resp: 52511

Ion Ratio Lower Upper

129 100

127 79.2 37.3 111.8





#61

1,2-Dibromoethane

Concen: 21.436 ug/l

RT: 8.96 min Scan# 845

Delta R.T. -0.03 min

Lab File: VF062012.D

Acq: 19 Mar 2019 12:21

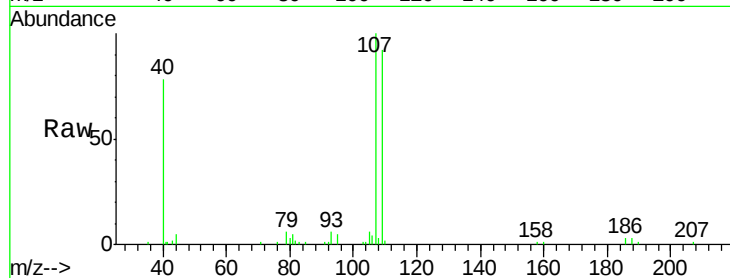
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 107 Resp: 38112

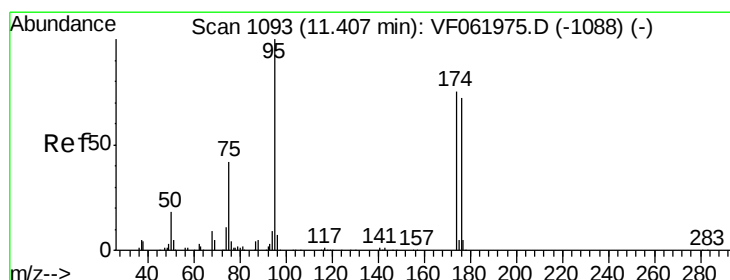
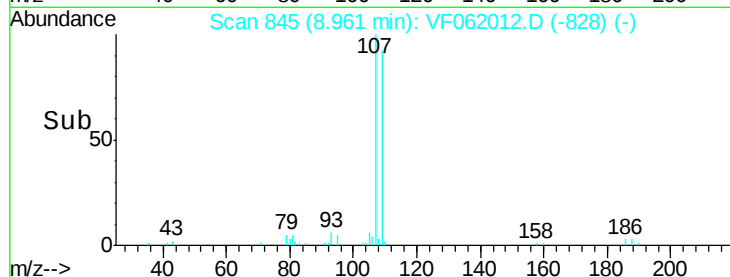
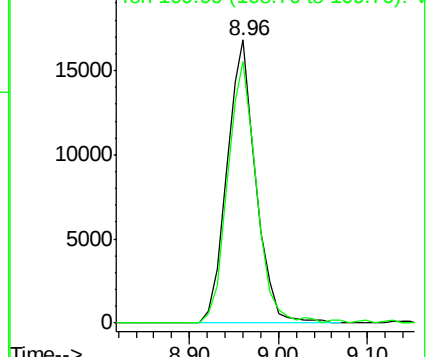
Ion Ratio Lower Upper

107 100

109 92.3 72.8 109.2



Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 47.977 ug/l

RT: 11.39 min Scan# 1091

Delta R.T. -0.02 min

Lab File: VF062012.D

Acq: 19 Mar 2019 12:21

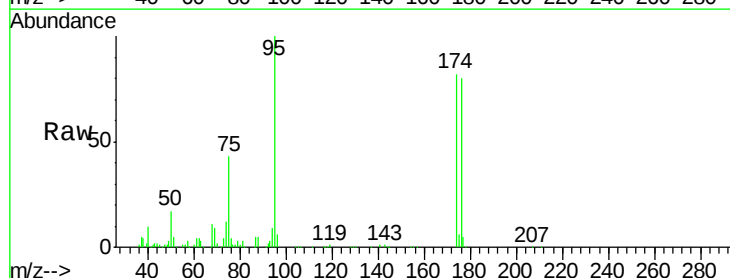
Tgt Ion: 95 Resp: 151982

Ion Ratio Lower Upper

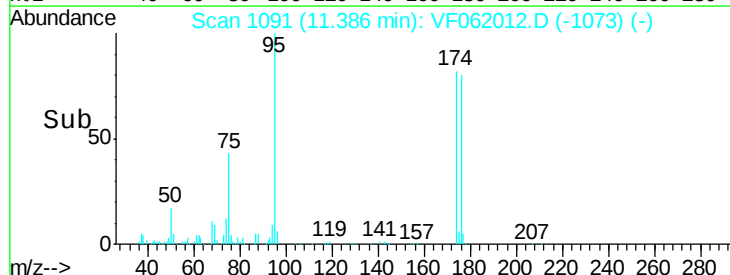
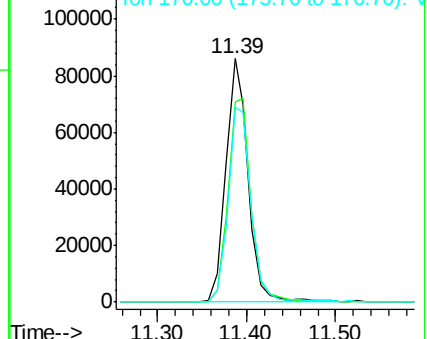
95 100

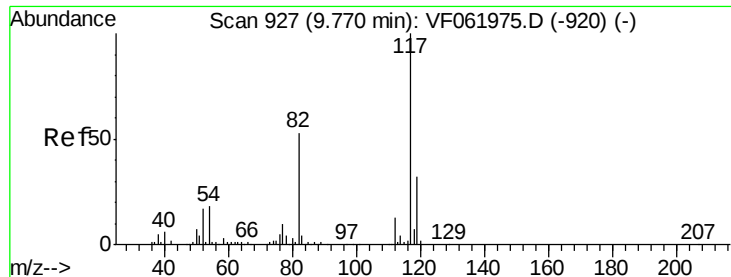
174 82.2 0.0 149.4

176 80.2 0.0 143.4



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

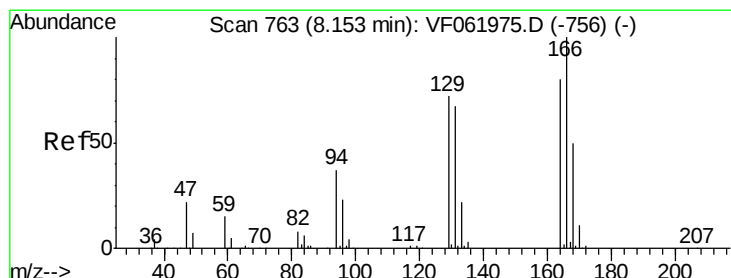
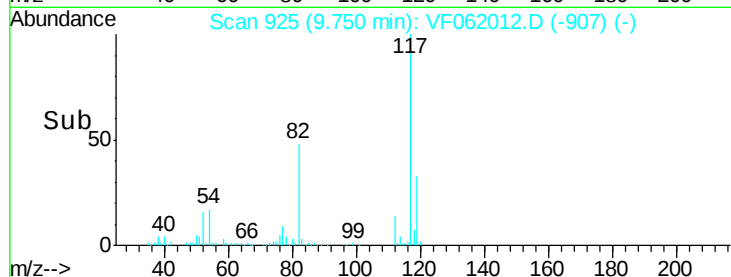
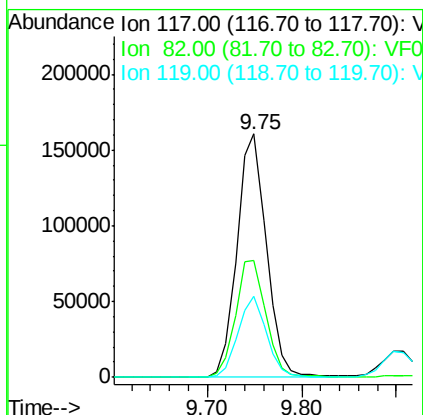
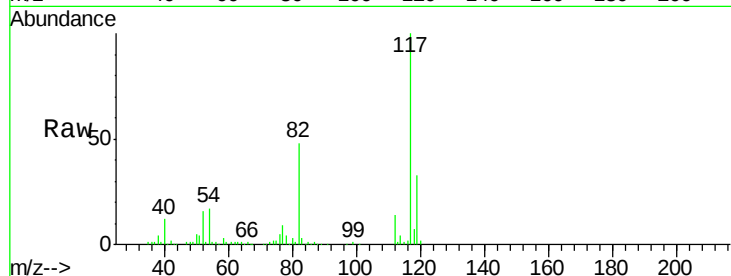




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.75 min Scan# 925
Delta R.T. -0.02 min
Lab File: VF062012.D
Acq: 19 Mar 2019 12:21

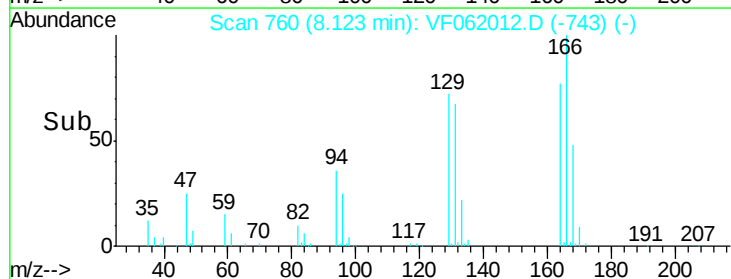
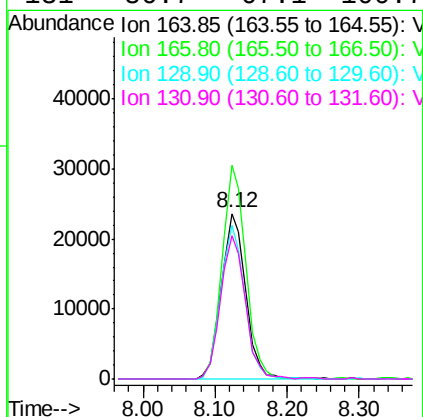
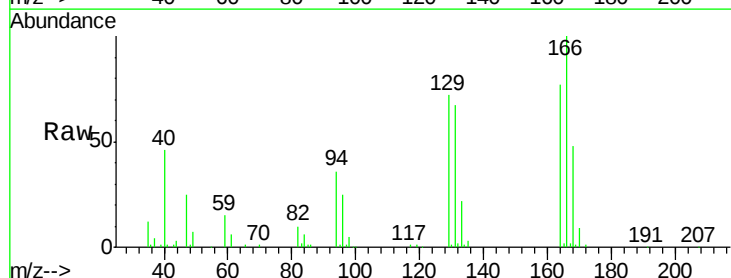
Instrument :
MSVOA_F
ClientSampleId :

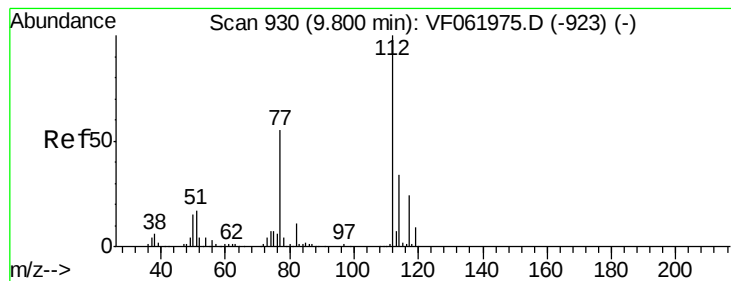
Tot Ion:117 Resp: 345877
Ion Ratio Lower Upper
117 100
82 48.1 42.5 63.7
119 33.4 25.4 38.0



#64
Tetrachloroethene
Concen: 21.964 ug/l
RT: 8.12 min Scan# 760
Delta R.T. -0.03 min
Lab File: VF062012.D
Acq: 19 Mar 2019 12:21

Tgt Ion:164 Resp: 55222
Ion Ratio Lower Upper
164 100
166 129.1 100.0 150.0
129 92.7 72.4 108.6
131 86.7 67.1 100.7





#65

Chlorobenzene

Concen: 20.991 ug/l

RT: 9.77 min Scan# 927

Delta R.T. -0.03 min

Lab File: VF062012.D

Acq: 19 Mar 2019 12:21

Instrument :

MSVOA_F

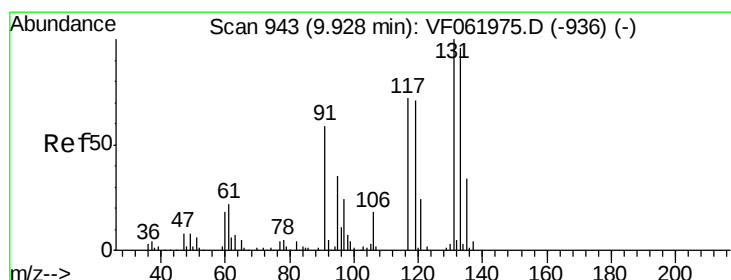
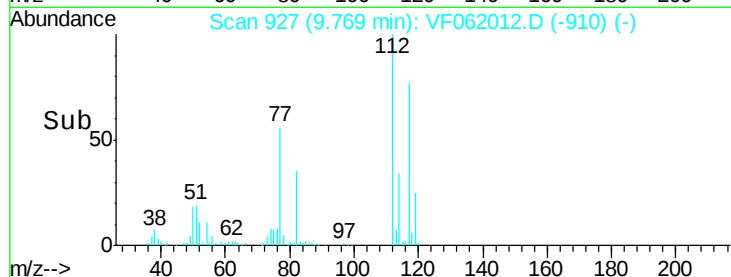
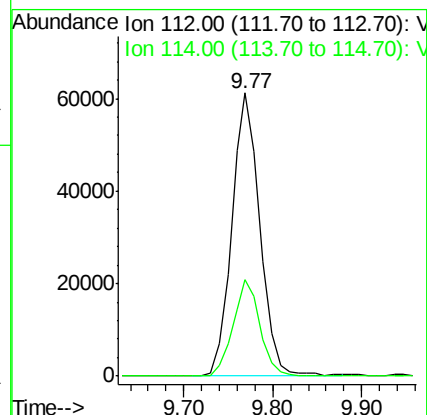
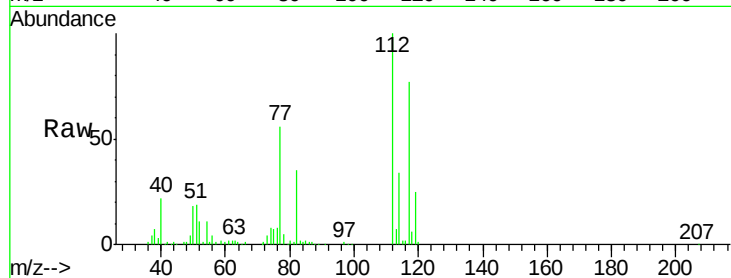
ClientSampleId :

Tot Ion:112 Resp: 135175

Ion Ratio Lower Upper

112 100

114 34.0 26.9 40.3



#66

1,1,1,2-Tetrachloroethane

Concen: 23.488 ug/l

RT: 9.90 min Scan# 940

Delta R.T. -0.03 min

Lab File: VF062012.D

Acq: 19 Mar 2019 12:21

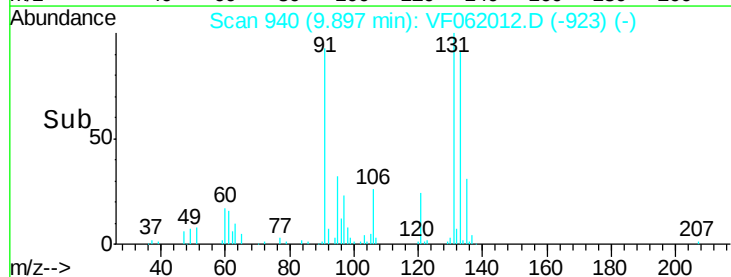
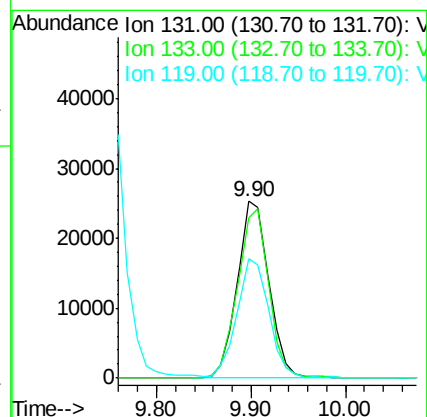
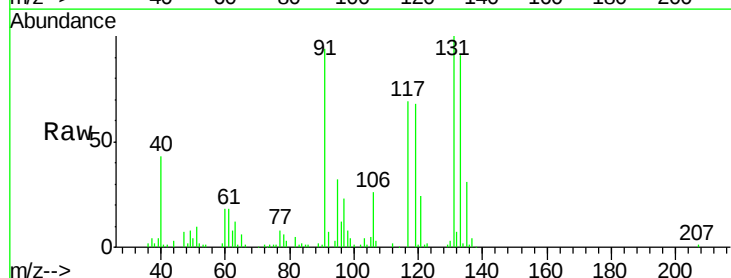
Tgt Ion:131 Resp: 58628

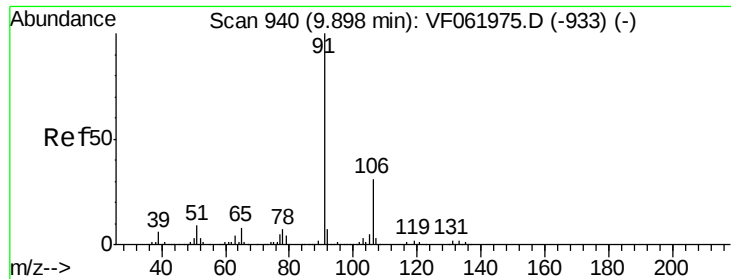
Ion Ratio Lower Upper

131 100

133 91.2 48.0 144.2

119 67.9 35.9 107.7





#67

Ethyl Benzene

Concen: 22.330 ug/l

RT: 9.87 min Scan# 937

Delta R.T. -0.03 min

Lab File: VF062012.D

Acq: 19 Mar 2019 12:21

Instrument :

MSVOA_F

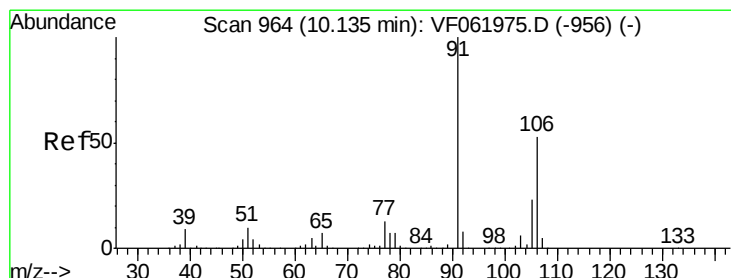
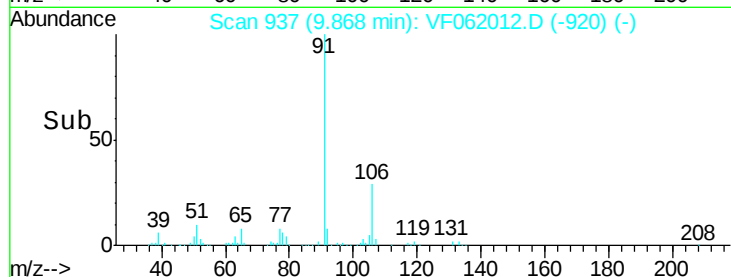
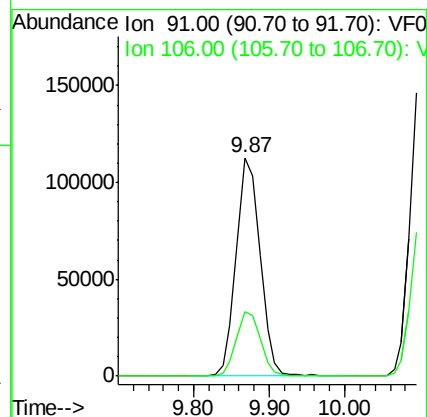
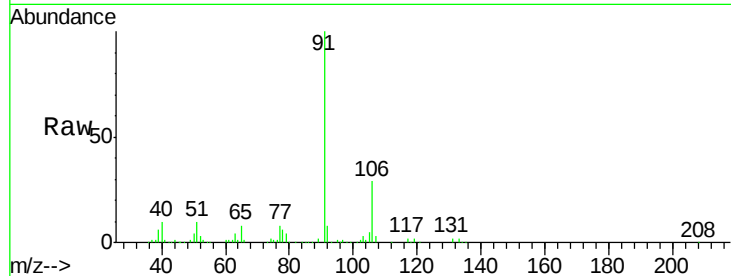
ClientSampleId :

Tot Ion: 91 Resp: 246214

Ion Ratio Lower Upper

91 100

106 29.3 24.4 36.6



#68

m/p-Xylenes

Concen: 44.327 ug/l

RT: 10.10 min Scan# 961

Delta R.T. -0.03 min

Lab File: VF062012.D

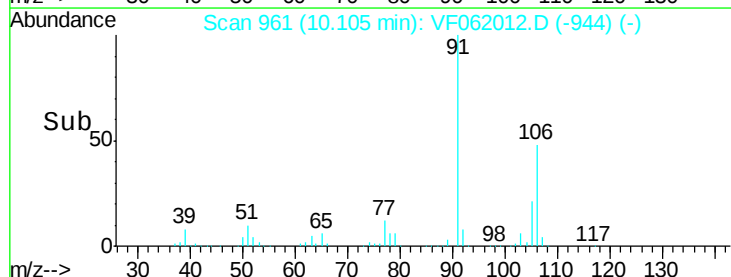
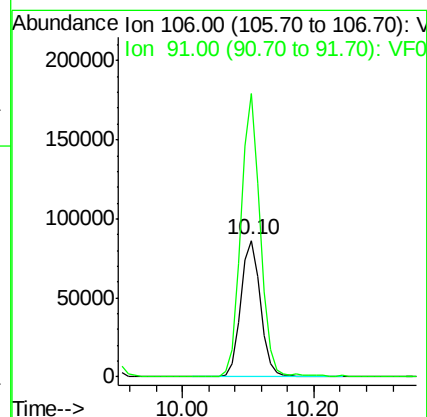
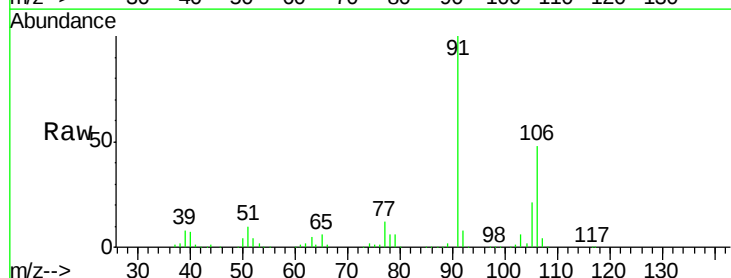
Acq: 19 Mar 2019 12:21

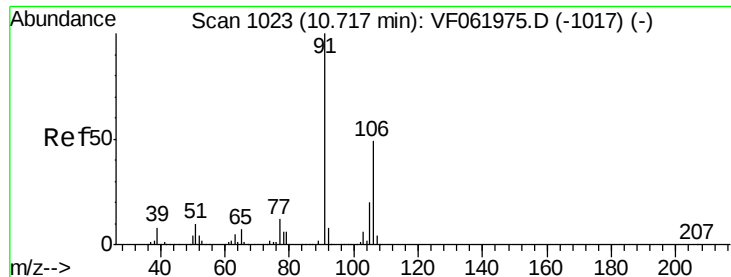
Tgt Ion: 106 Resp: 183823

Ion Ratio Lower Upper

106 100

91 207.0 151.9 227.9

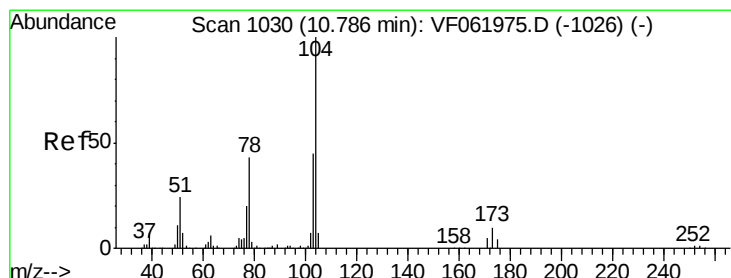
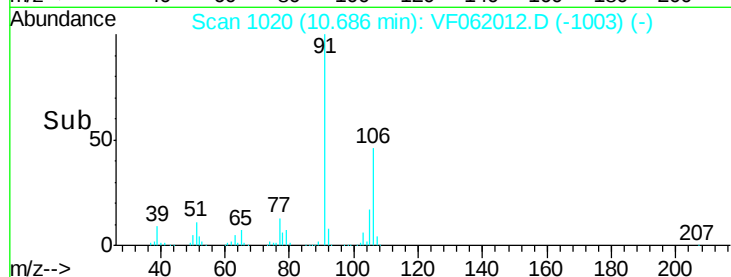
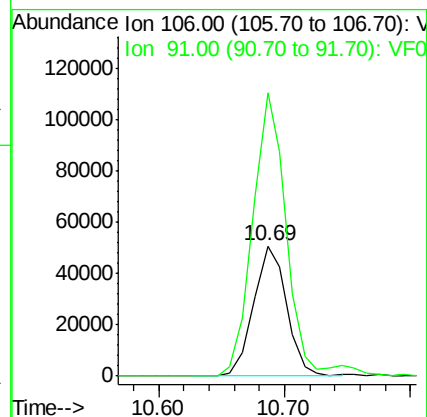
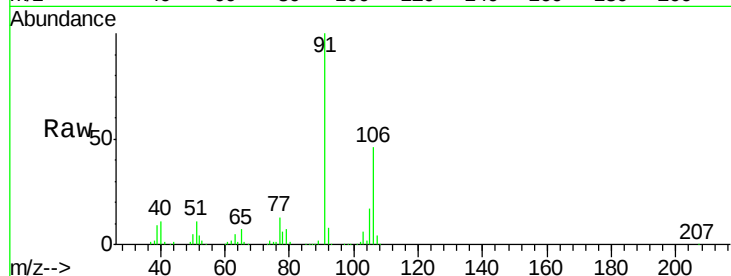




#69
o-Xylene
Concen: 20.989 ug/l
RT: 10.69 min Scan# 1020
Delta R.T. -0.03 min
Lab File: VF062012.D
Acq: 19 Mar 2019 12:21

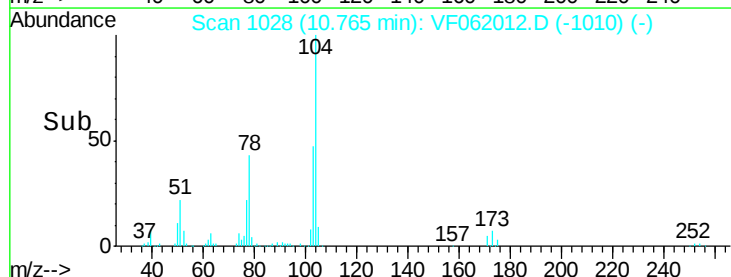
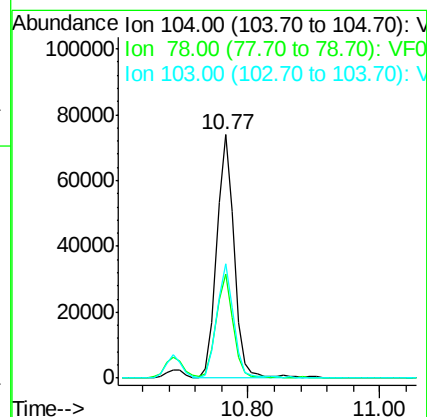
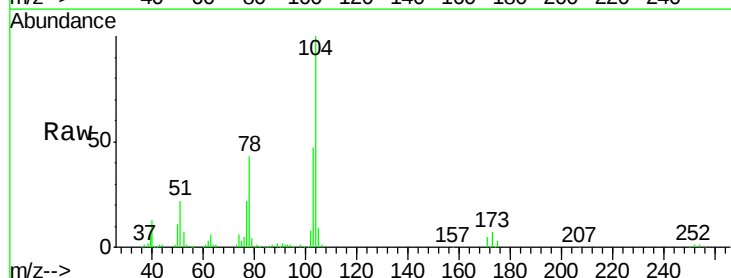
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:106 Resp: 93136
Ion Ratio Lower Upper
106 100
91 217.7 102.3 306.8



#70
Styrene
Concen: 21.861 ug/l
RT: 10.77 min Scan# 1028
Delta R.T. -0.02 min
Lab File: VF062012.D
Acq: 19 Mar 2019 12:21

Tgt Ion:104 Resp: 134392
Ion Ratio Lower Upper
104 100
78 43.0 34.7 52.1
103 46.7 36.6 54.8





#71

Bromoform

Concen: 21.413 ug/l

RT: 10.75 min Scan# 1026

Delta R.T. -0.03 min

Lab File: VF062012.D

Acq: 19 Mar 2019 12:21

Instrument :

MSVOA_F

ClientSampleId :

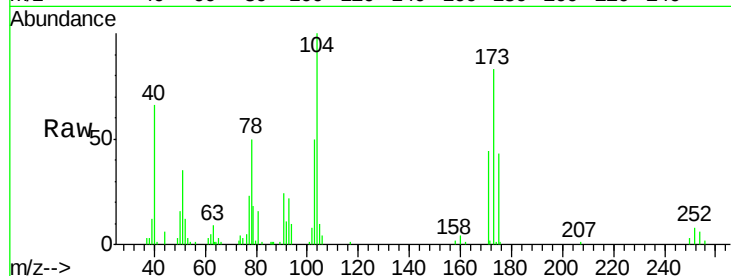
Tot Ion:173 Resp: 27035

Ion Ratio Lower Upper

173 100

175 52.3 23.7 71.1

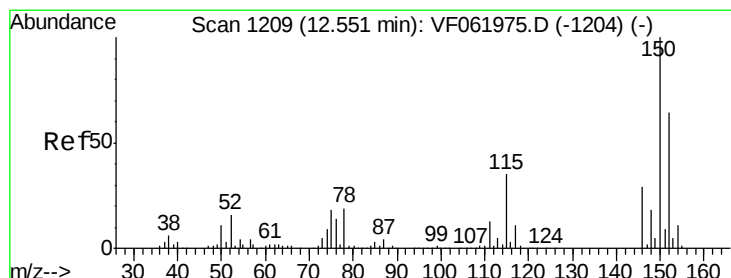
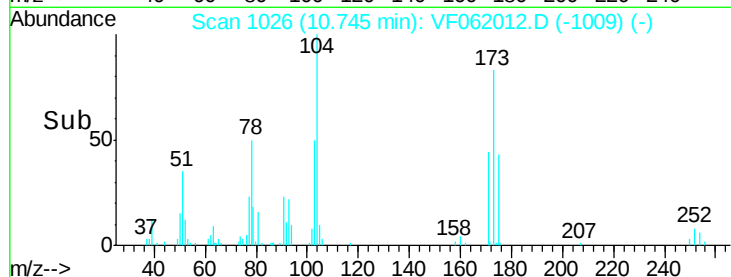
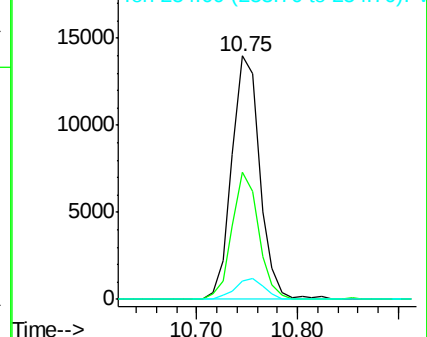
254 7.3 7.8 11.8#



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: 12.53 min Scan# 1207

Delta R.T. -0.02 min

Lab File: VF062012.D

Acq: 19 Mar 2019 12:21

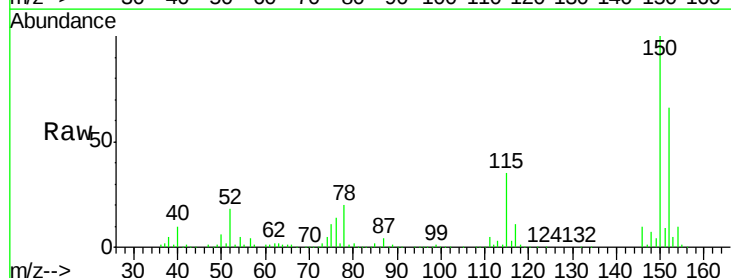
Tgt Ion:152 Resp: 185772

Ion Ratio Lower Upper

152 100

115 52.9 27.3 81.9

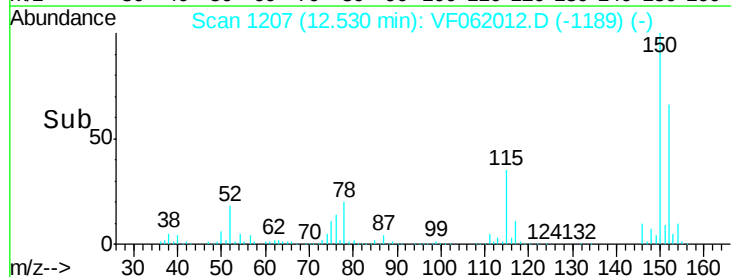
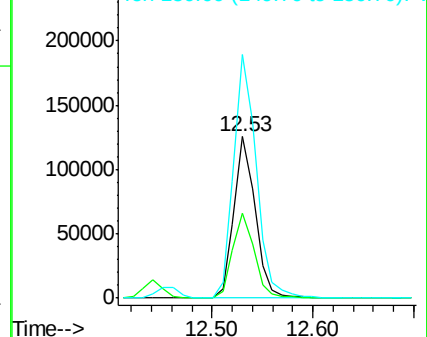
150 151.1 0.0 316.2

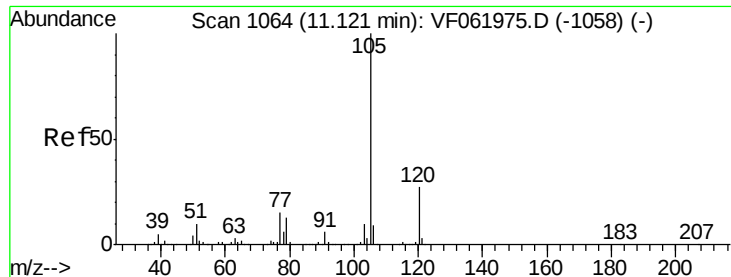


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 22.705 ug/l

RT: 11.10 min Scan# 1062

Delta R.T. -0.02 min

Lab File: VF062012.D

Acq: 19 Mar 2019 12:21

Instrument :

MSVOA_F

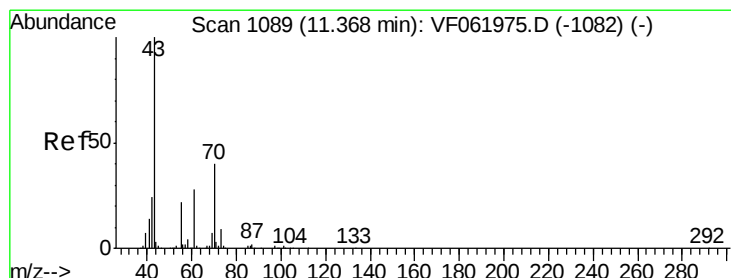
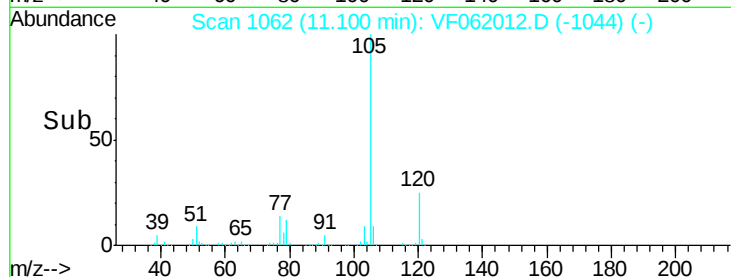
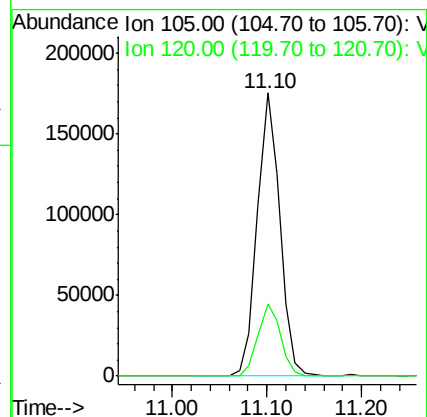
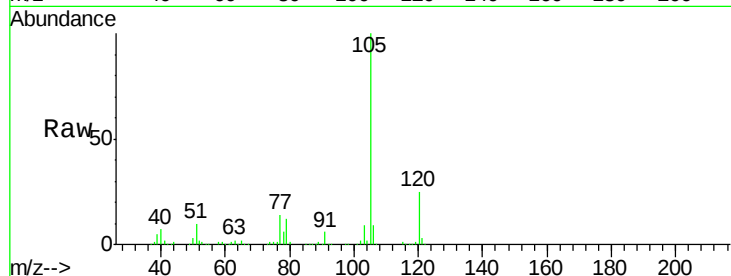
ClientSampleId :

Tot Ion:105 Resp: 291397

Ion Ratio Lower Upper

105 100

120 25.3 13.8 41.3



#74

N-ethyl acetate

Concen: 20.906 ug/l

RT: 11.35 min Scan# 1087

Delta R.T. -0.02 min

Lab File: VF062012.D

Acq: 19 Mar 2019 12:21

Tgt Ion: 43 Resp: 61481

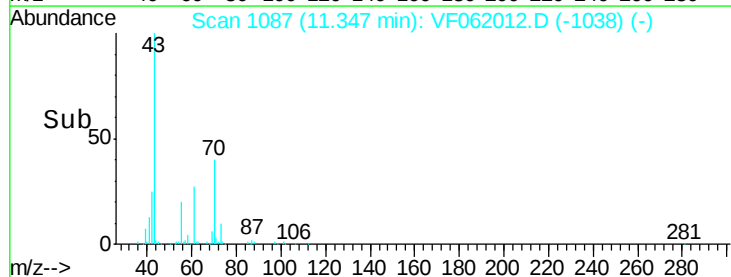
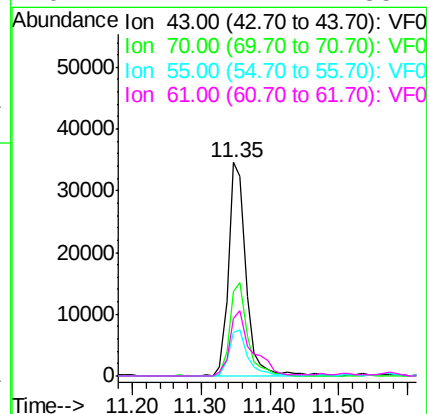
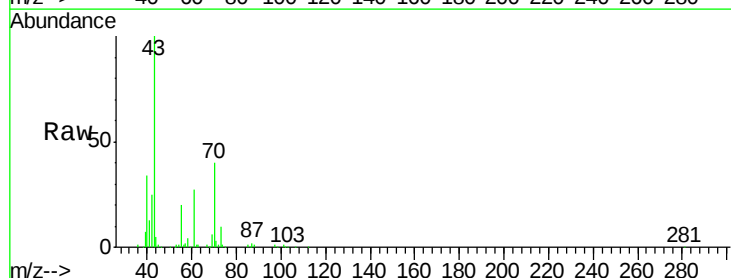
Ion Ratio Lower Upper

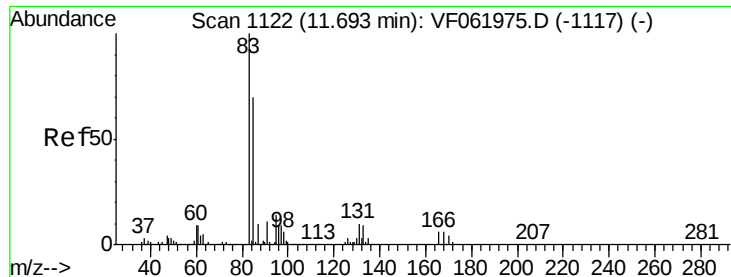
43 100

70 39.7 31.9 47.9

55 20.1 17.9 26.9

61 27.2 22.2 33.2





#75

1,1,2,2-Tetrachloroethane

Concen: 21.241 ug/l

RT: 11.67 min Scan# 1120

Delta R.T. -0.02 min

Lab File: VF062012.D

Acq: 19 Mar 2019 12:21

Instrument :

MSVOA_F

ClientSampleId :

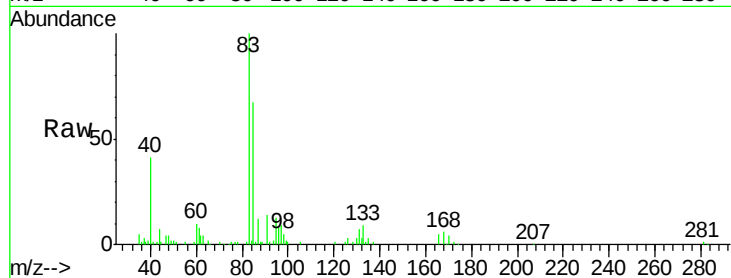
Tot Ion: 83 Resp: 44997

Ion Ratio Lower Upper

83 100

131 7.3 4.9 14.7

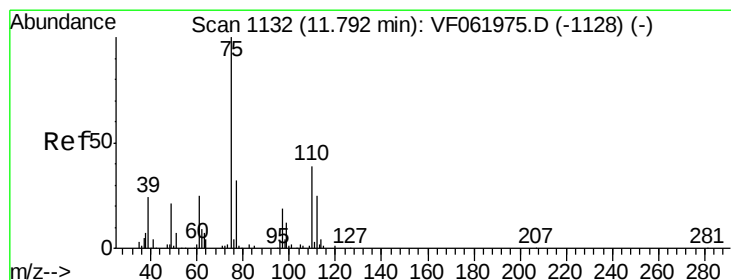
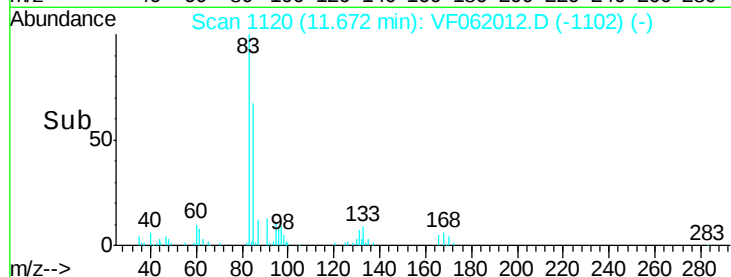
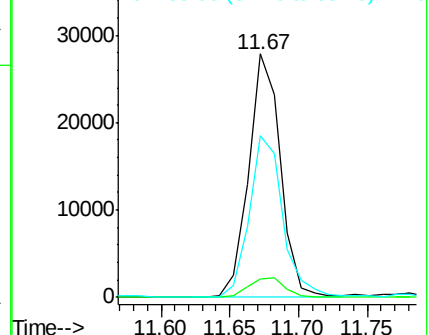
85 66.6 35.3 105.9



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: 20.354 ug/l

RT: 11.77 min Scan# 1130

Delta R.T. -0.02 min

Lab File: VF062012.D

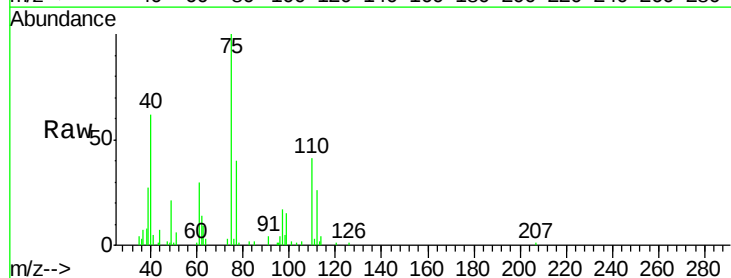
Acq: 19 Mar 2019 12:21

Tgt Ion: 75 Resp: 30151

Ion Ratio Lower Upper

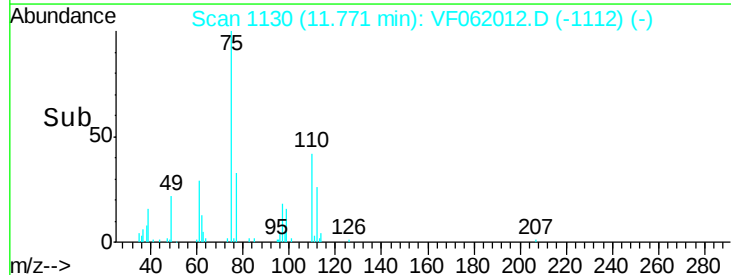
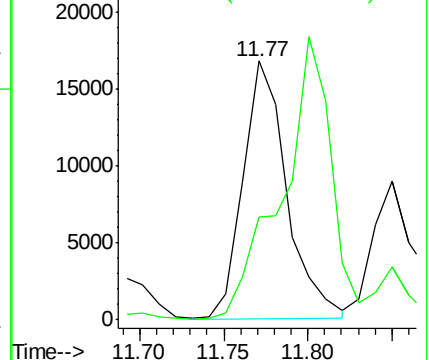
75 100

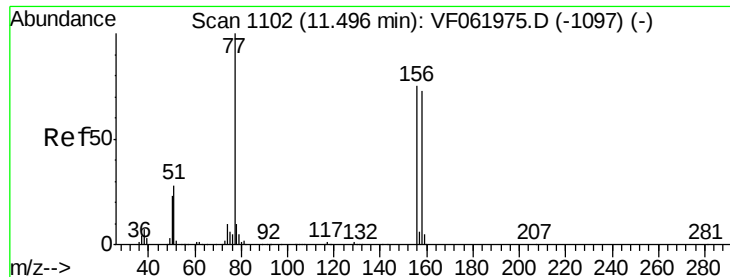
77 39.6 16.4 49.2



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 22.249 ug/l

RT: 11.48 min Scan# 1100

Delta R.T. -0.02 min

Lab File: VF062012.D

Acq: 19 Mar 2019 12:21

Instrument :

MSVOA_F

ClientSampleId :

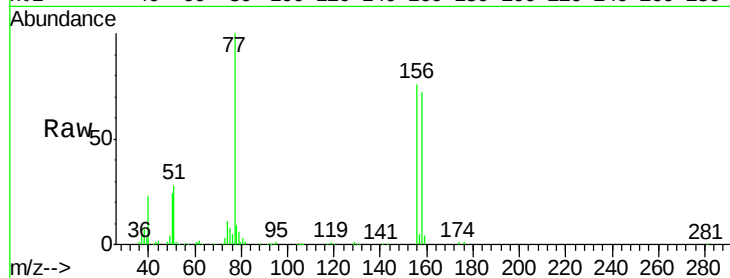
Tot Ion:156 Resp: 66127

Ion Ratio Lower Upper

156 100

77 132.3 67.0 201.0

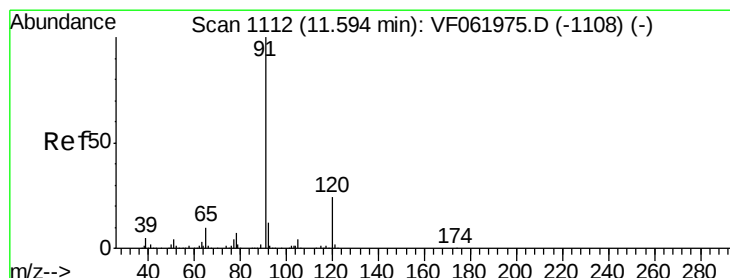
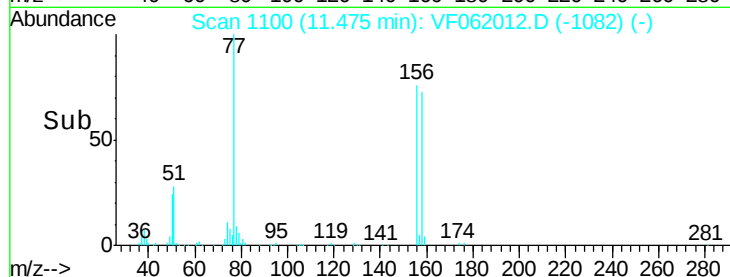
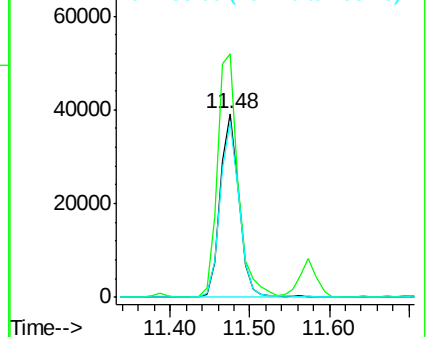
158 95.7 48.9 146.7



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: 21.571 ug/l

RT: 11.57 min Scan# 1110

Delta R.T. -0.02 min

Lab File: VF062012.D

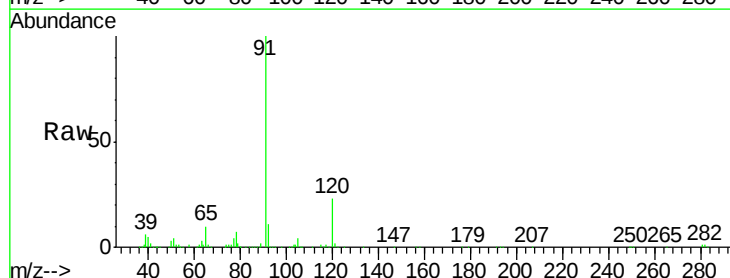
Acq: 19 Mar 2019 12:21

Tgt Ion: 91 Resp: 318330

Ion Ratio Lower Upper

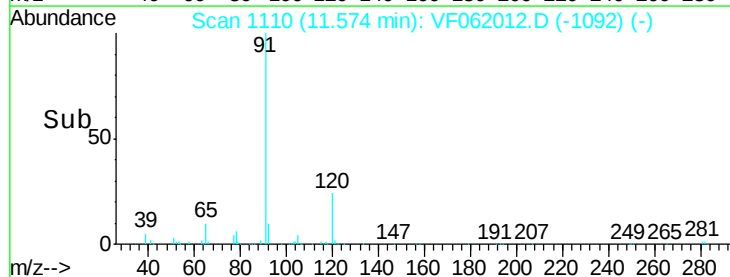
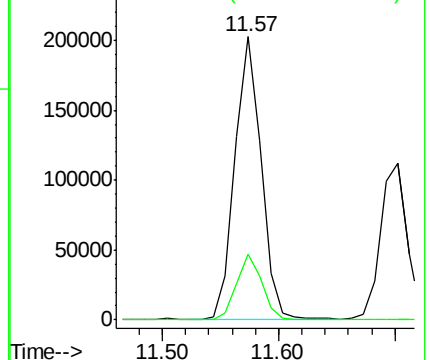
91 100

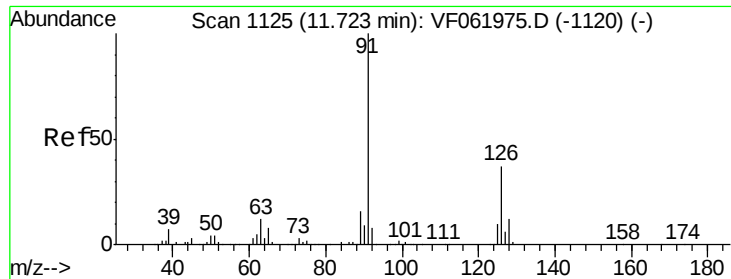
120 23.5 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

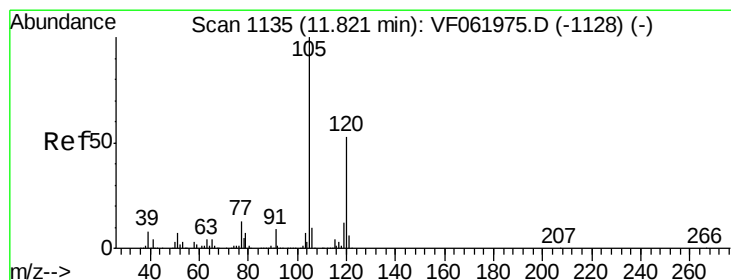
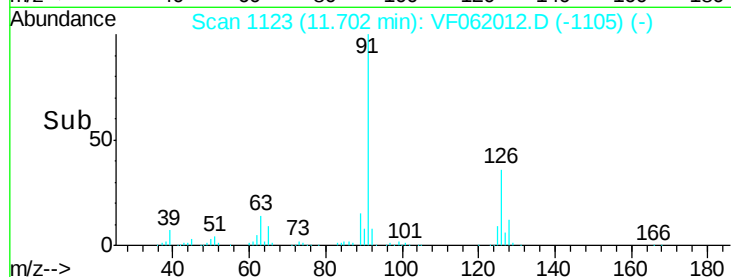
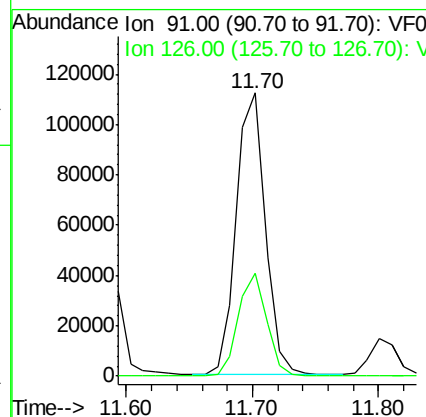
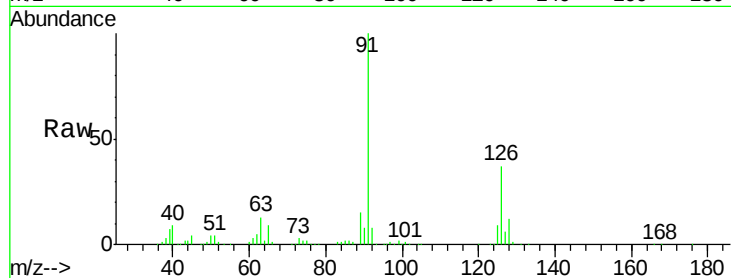




#79
 2-Chlorotoluene
 Concen: 21.292 ug/l
 RT: 11.70 min Scan# 1123
 Delta R.T. -0.02 min
 Lab File: VF062012.D
 Acq: 19 Mar 2019 12:21

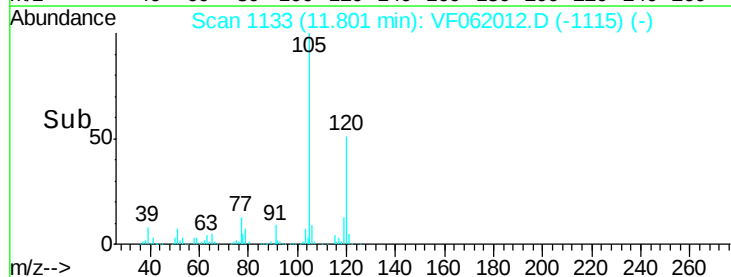
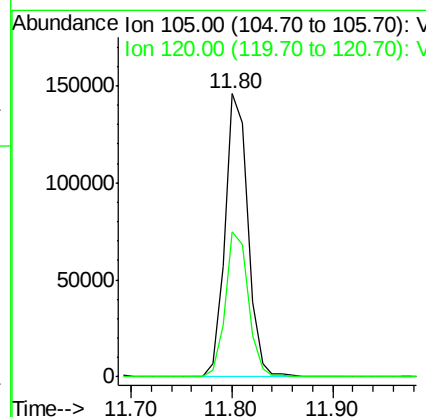
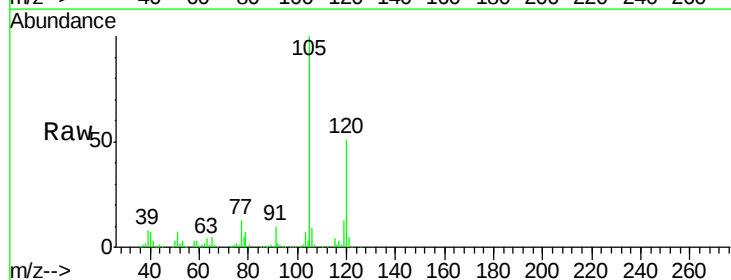
Instrument :
 MSVOA_F
 ClientSampleId :

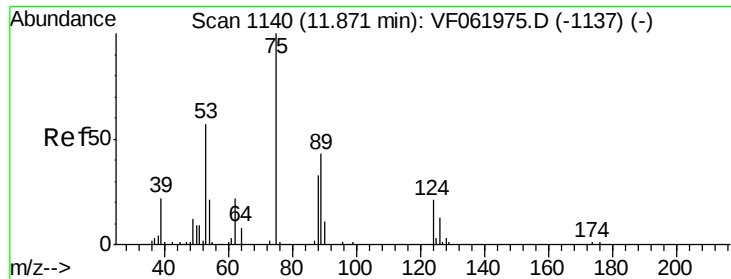
Tot Ion: 91 Resp: 177363
 Ion Ratio Lower Upper
 91 100
 126 36.5 18.4 55.2



#80
 1,3,5-Trimethylbenzene
 Concen: 22.369 ug/l
 RT: 11.80 min Scan# 1133
 Delta R.T. -0.02 min
 Lab File: VF062012.D
 Acq: 19 Mar 2019 12:21

Tgt Ion:105 Resp: 231911
 Ion Ratio Lower Upper
 105 100
 120 51.2 26.6 79.7

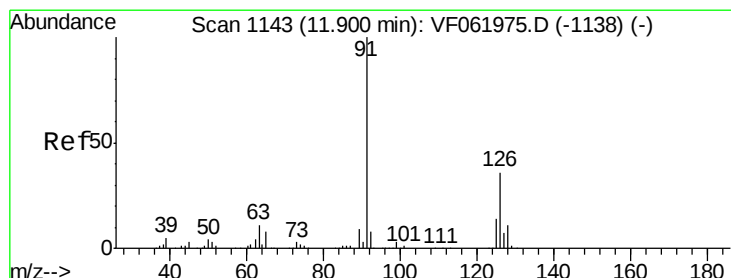
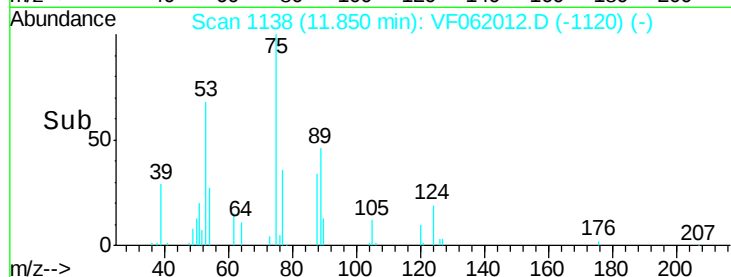
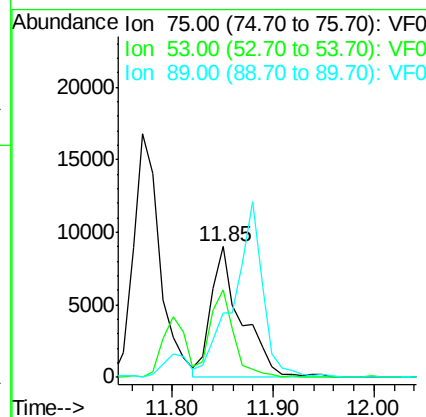
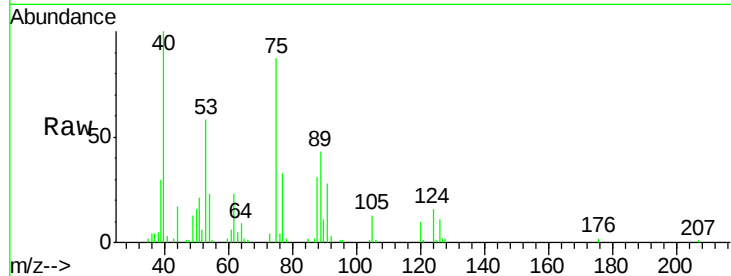




#81
trans-1,4-Dichloro-2-butene
Concen: 29.420 ug/l
RT: 11.85 min Scan# 1138
Delta R.T. -0.02 min
Lab File: VF062012.D
Acq: 19 Mar 2019 12:21

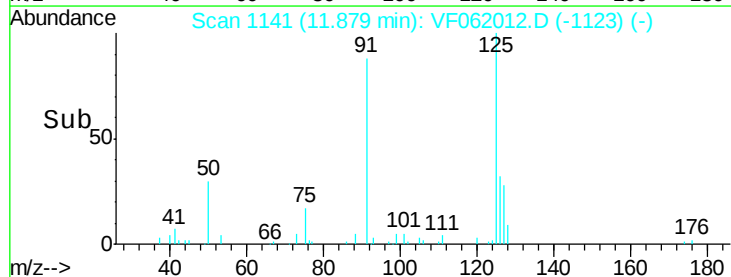
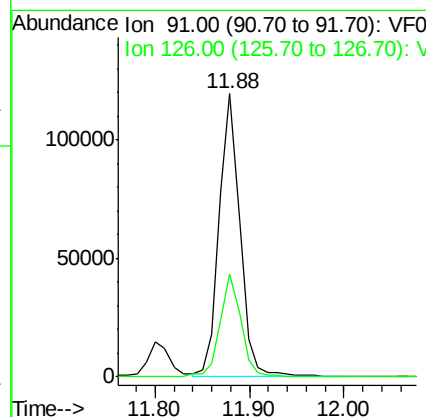
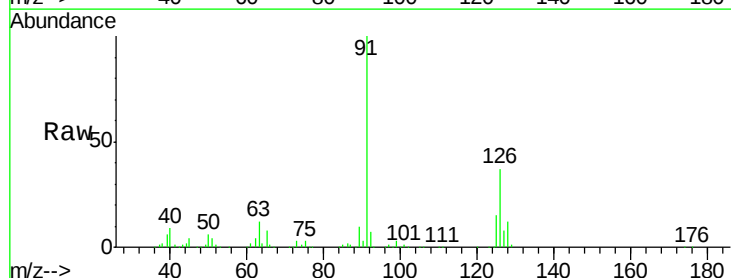
Instrument :
MSVOA_F
ClientSampleId :

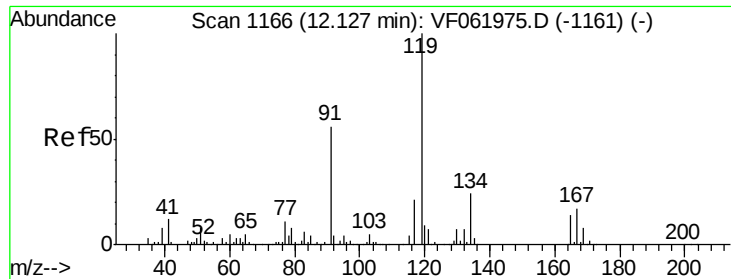
Tot Ion: 75 Resp: 19280
Ion Ratio Lower Upper
75 100
53 67.0 49.0 73.6
89 49.2 37.1 55.7



#82
4-Chlorotoluene
Concen: 21.629 ug/l
RT: 11.88 min Scan# 1141
Delta R.T. -0.02 min
Lab File: VF062012.D
Acq: 19 Mar 2019 12:21

Tgt Ion: 91 Resp: 182199
Ion Ratio Lower Upper
91 100
126 36.5 18.1 54.1

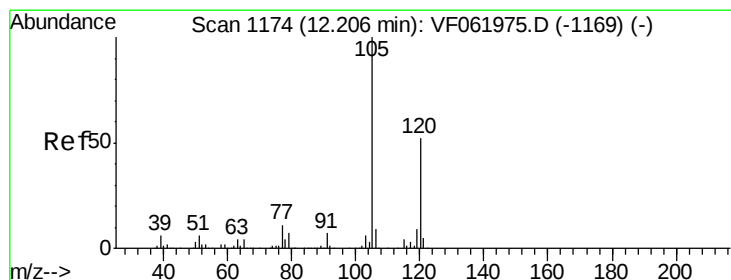
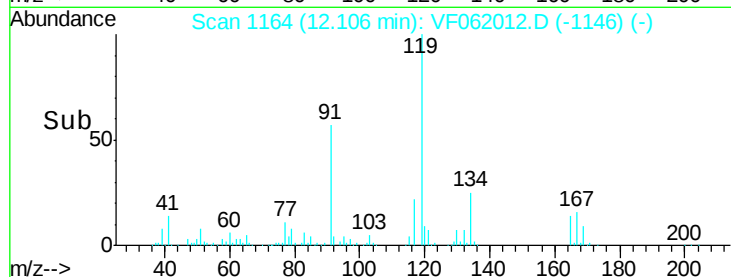
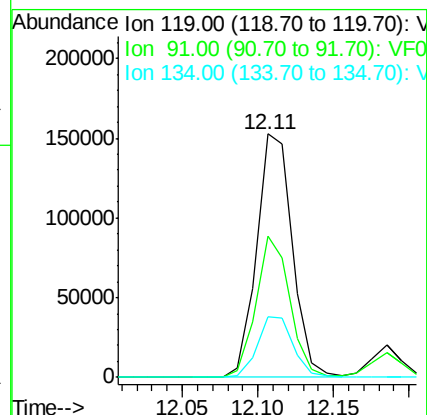
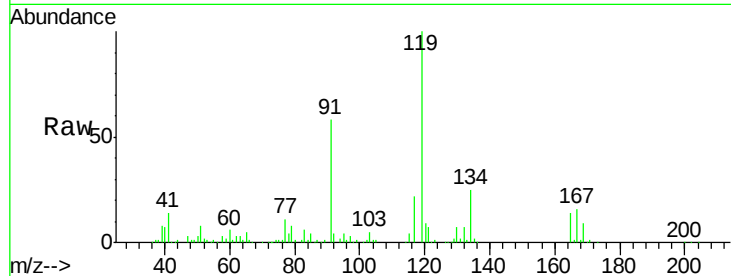




#83
 tert-Butylbenzene
 Concen: 23.214 ug/l
 RT: 12.11 min Scan# 1164
 Delta R.T. -0.02 min
 Lab File: VF062012.D
 Acq: 19 Mar 2019 12:21

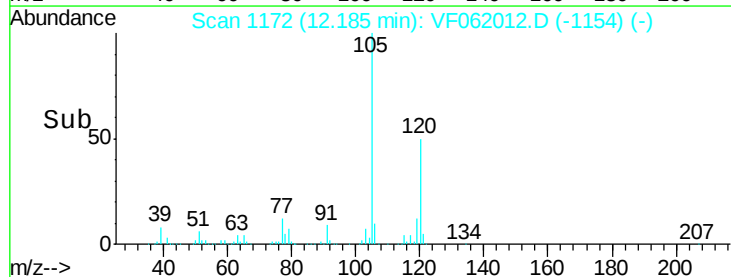
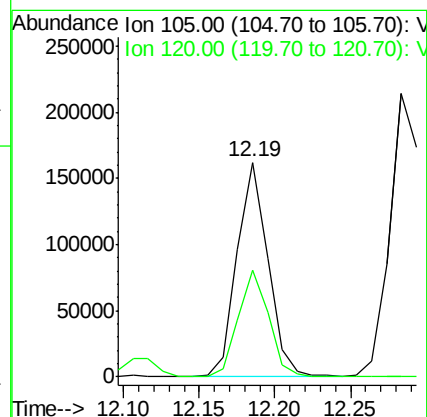
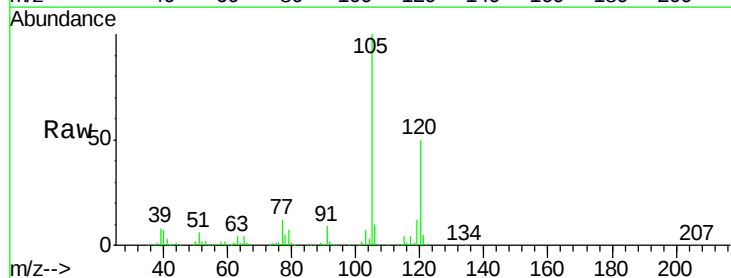
Instrument :
 MSVOA_F
 ClientSampleId :

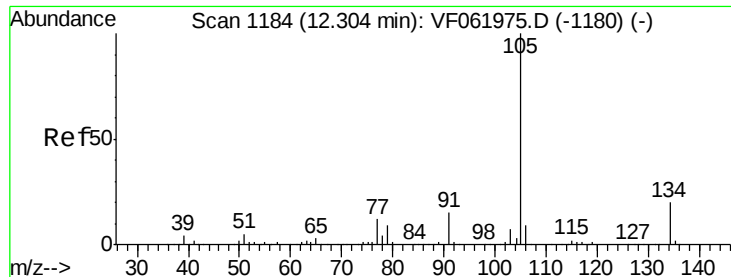
Tot Ion	Ratio	Lower	Upper
119	100		
91	57.8	27.9	83.6
134	24.7	12.3	36.8



#84
 1,2,4-Trimethylbenzene
 Concen: 22.245 ug/l
 RT: 12.19 min Scan# 1172
 Delta R.T. -0.02 min
 Lab File: VF062012.D
 Acq: 19 Mar 2019 12:21

Tgt Ion	Ratio	Lower	Upper
105	100		
120	49.8	25.9	77.8





#85

sec-Butylbenzene

Concen: 21.942 ug/l

RT: 12.28 min Scan# 1182

Delta R.T. -0.02 min

Lab File: VF062012.D

Acq: 19 Mar 2019 12:21

Instrument :

MSVOA_F

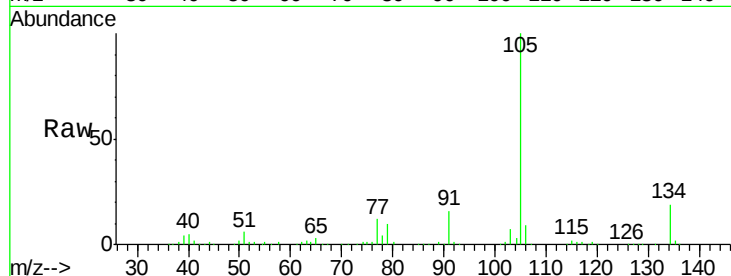
ClientSampled :

Tot Ion:105 Resp: 321423

Ion Ratio Lower Upper

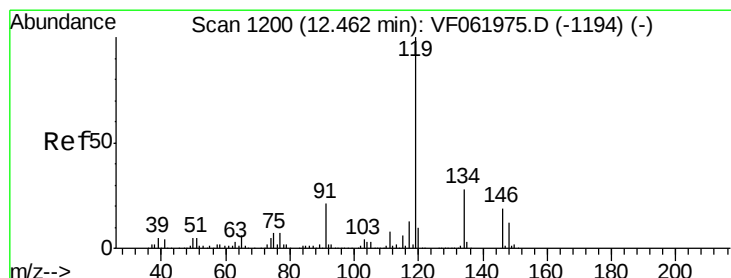
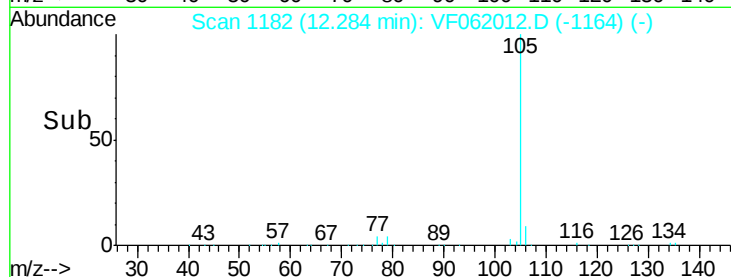
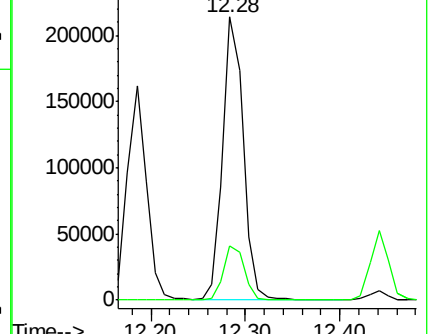
105 100

134 19.0 10.0 29.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 22.518 ug/l

RT: 12.44 min Scan# 1198

Delta R.T. -0.02 min

Lab File: VF062012.D

Acq: 19 Mar 2019 12:21

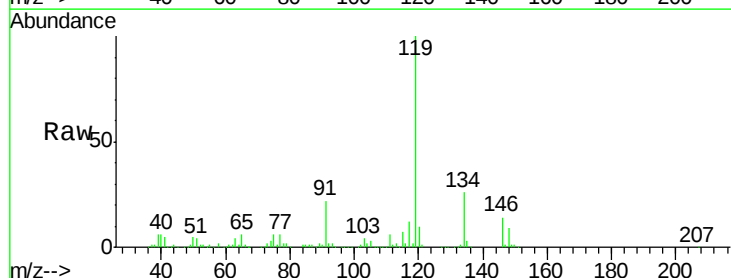
Tgt Ion:119 Resp: 275255

Ion Ratio Lower Upper

119 100

134 25.6 13.9 41.7

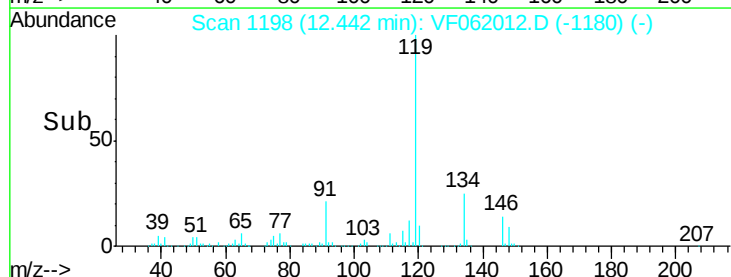
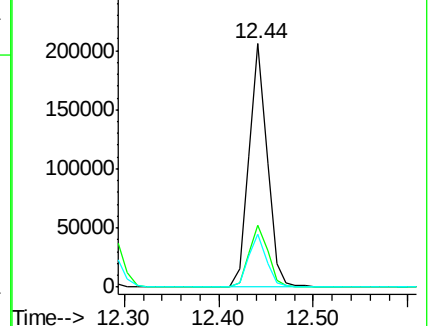
91 22.0 10.4 31.1

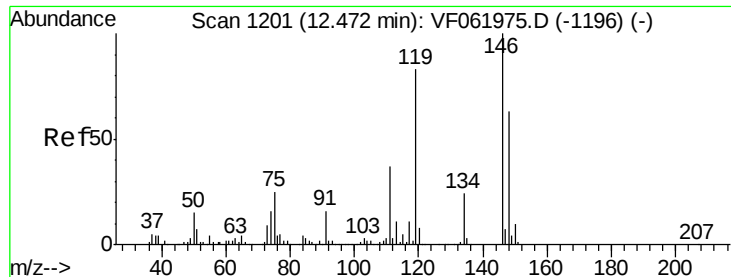


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0

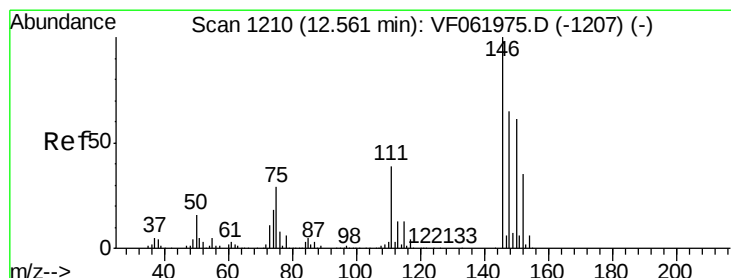
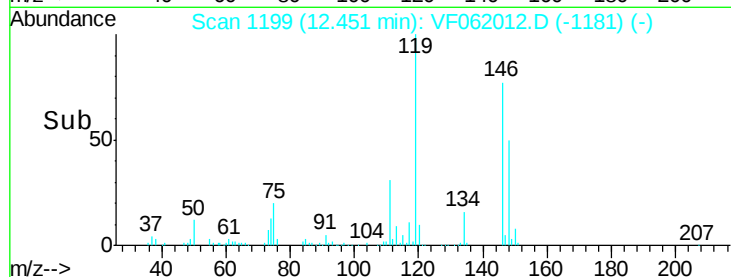
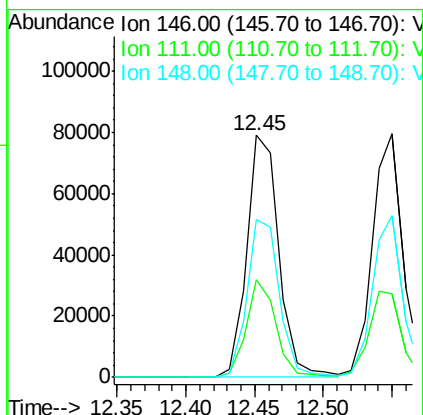
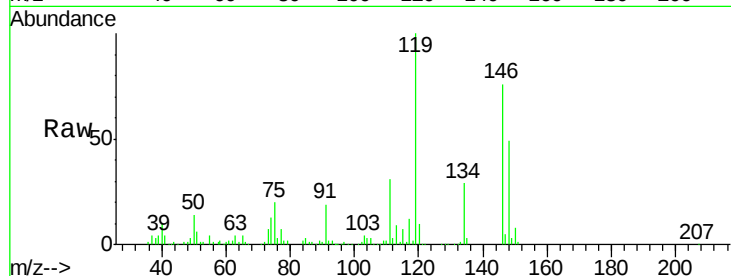




#87
 1,3-Dichlorobenzene
 Concen: 22.145 ug/l
 RT: 12.45 min Scan# 1199
 Delta R.T. -0.02 min
 Lab File: VF062012.D
 Acq: 19 Mar 2019 12:21

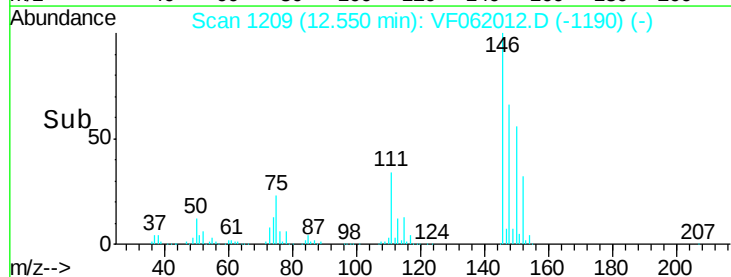
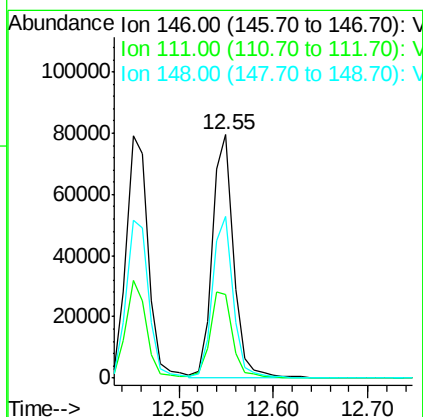
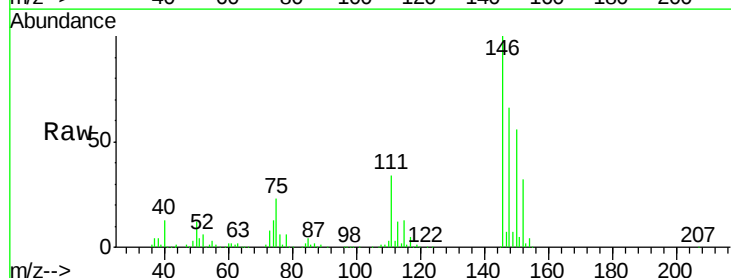
Instrument :
 MSVOA_F
 ClientSampleId :

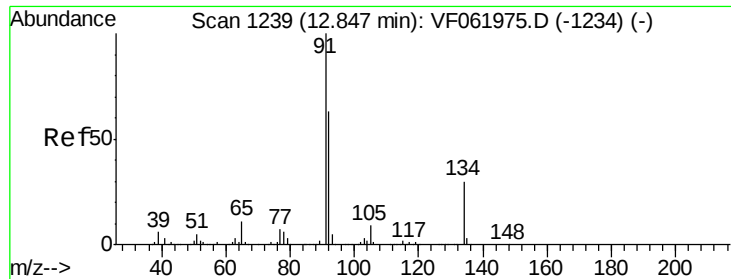
Tot Ion:146 Resp: 129360
 Ion Ratio Lower Upper
 146 100
 111 40.3 18.6 55.8
 148 65.1 31.3 93.9



#88
 1,4-Dichlorobenzene
 Concen: 22.218 ug/l
 RT: 12.55 min Scan# 1209
 Delta R.T. -0.01 min
 Lab File: VF062012.D
 Acq: 19 Mar 2019 12:21

Tgt Ion:146 Resp: 124918
 Ion Ratio Lower Upper
 146 100
 111 34.2 19.4 58.1
 148 66.5 32.4 97.0

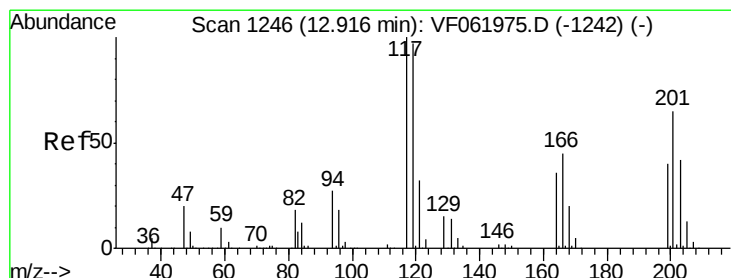
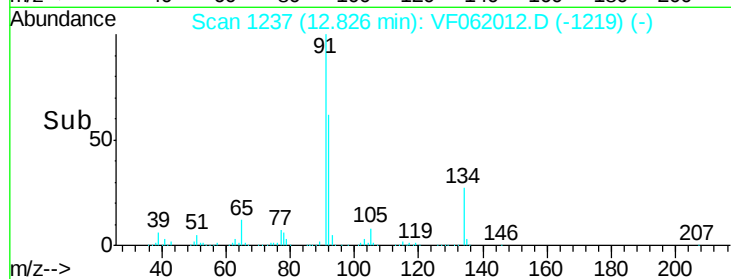
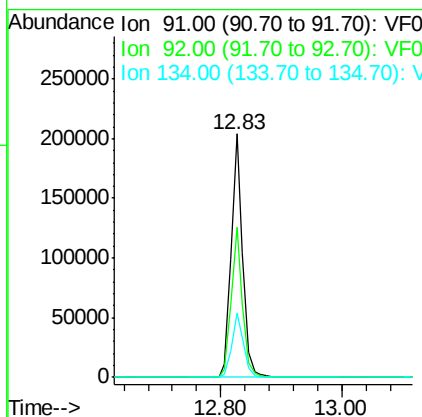
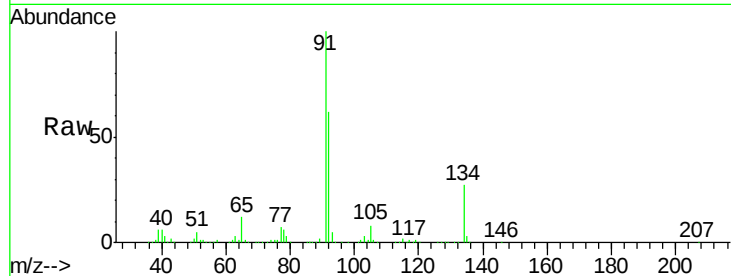




#89
n-Butylbenzene
Concen: 23.061 ug/l
RT: 12.83 min Scan# 1237
Delta R.T. -0.02 min
Lab File: VF062012.D
Acq: 19 Mar 2019 12:21

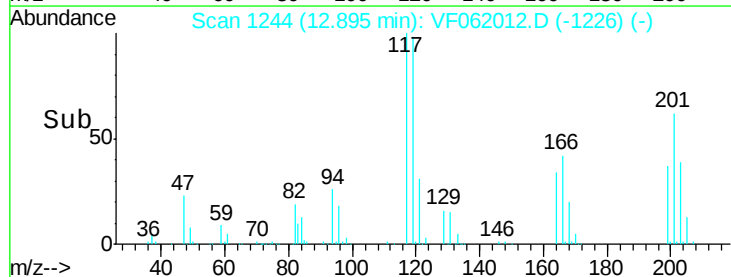
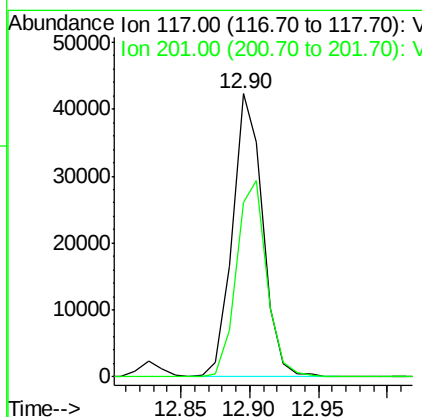
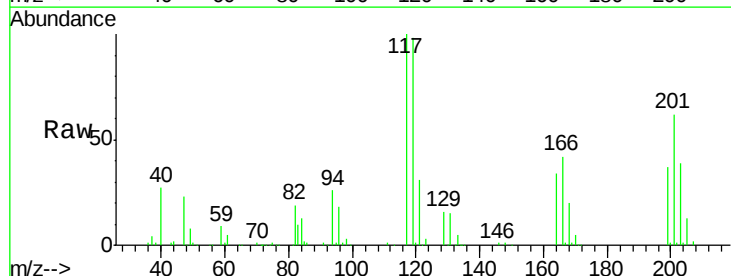
Instrument :
MSVOA_F
ClientSampleId :

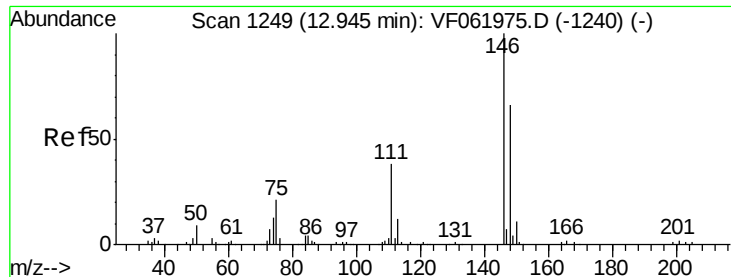
Tot Ion: 91 Resp: 264875
Ion Ratio Lower Upper
91 100
92 61.8 31.7 95.1
134 26.6 15.1 45.3



#90
Hexachloroethane
Concen: 23.168 ug/l
RT: 12.90 min Scan# 1244
Delta R.T. -0.02 min
Lab File: VF062012.D
Acq: 19 Mar 2019 12:21

Tgt Ion: 117 Resp: 64629
Ion Ratio Lower Upper
117 100
201 61.5 32.5 97.5

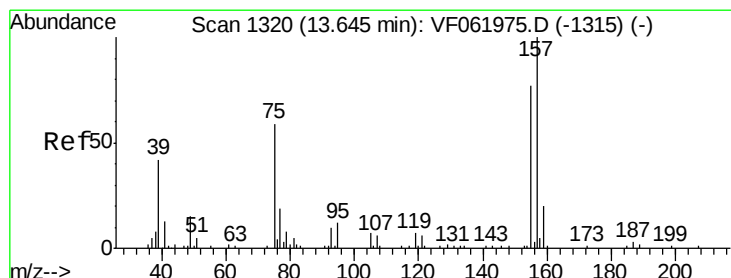
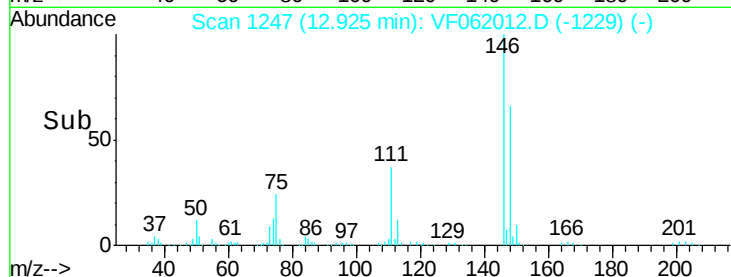
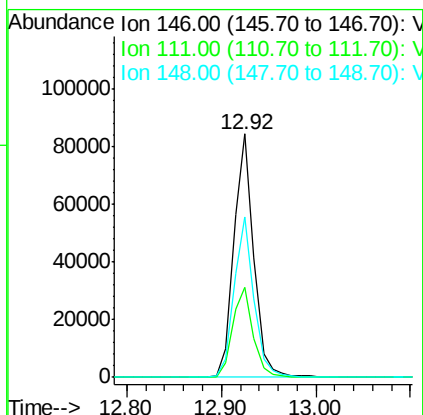
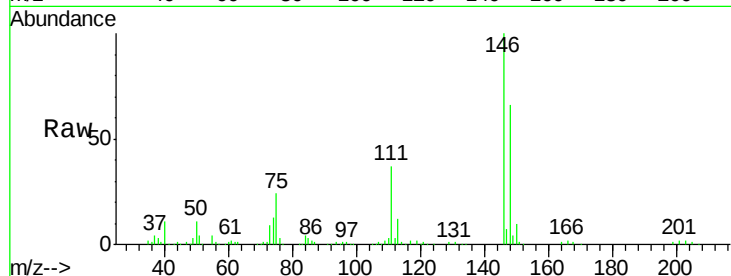




#91
 1,2-Dichlorobenzene
 Concen: 22.693 ug/l
 RT: 12.92 min Scan# 1247
 Delta R.T. -0.02 min
 Lab File: VF062012.D
 Acq: 19 Mar 2019 12:21

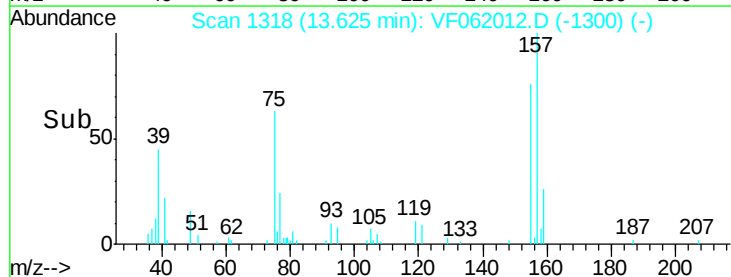
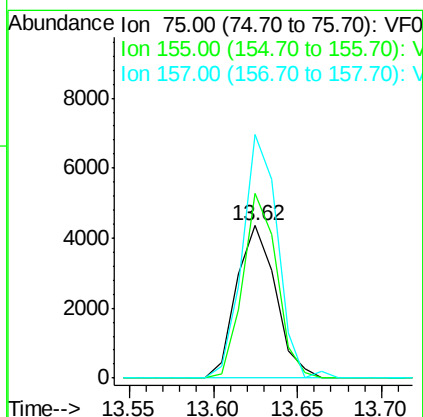
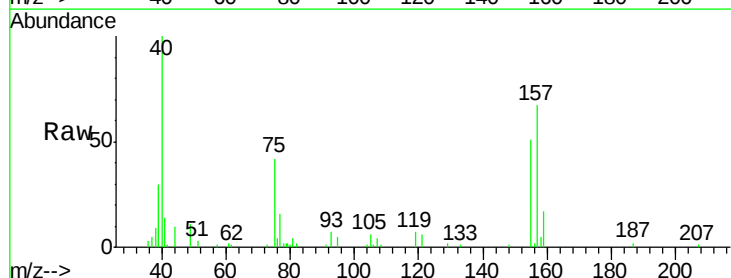
Instrument :
 MSVOA_F
 ClientSampleId :

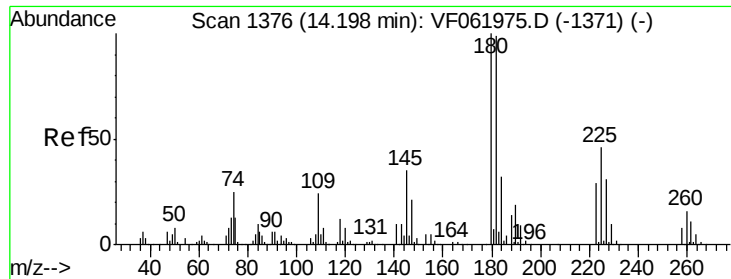
Tot Ion:146 Resp: 122779
 Ion Ratio Lower Upper
 146 100
 111 37.2 18.9 56.5
 148 66.0 32.9 98.6



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.718 ug/l
 RT: 13.62 min Scan# 1318
 Delta R.T. -0.02 min
 Lab File: VF062012.D
 Acq: 19 Mar 2019 12:21

Tgt Ion: 75 Resp: 7043
 Ion Ratio Lower Upper
 75 100
 155 120.8 65.0 195.1
 157 159.7 84.7 254.0

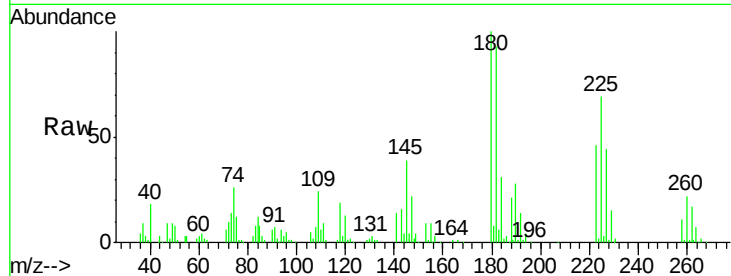




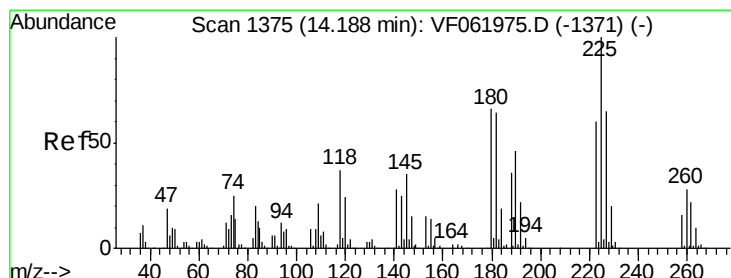
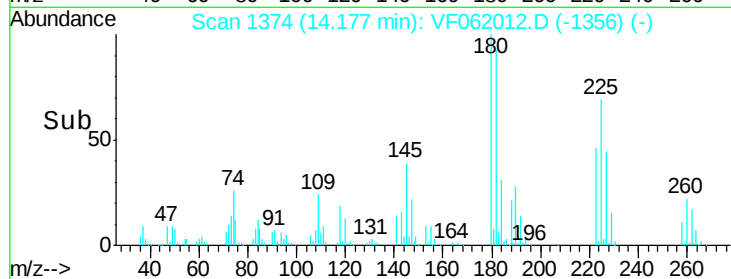
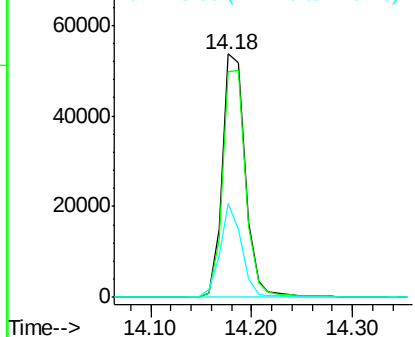
#93
 1,2,4-Trichlorobenzene
 Concen: 22.792 ug/l
 RT: 14.18 min Scan# 1374
 Delta R.T. -0.02 min
 Lab File: VF062012.D
 Acq: 19 Mar 2019 12:21

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion:180 Resp: 85871
 Ion Ratio Lower Upper
 180 100
 182 92.8 49.6 149.0
 145 38.8 17.5 52.5

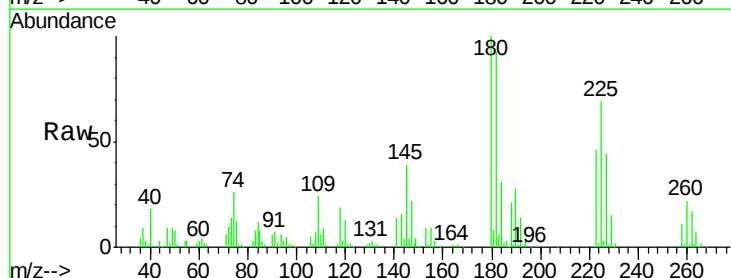


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

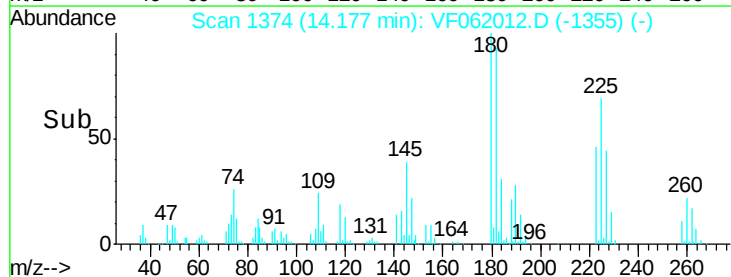
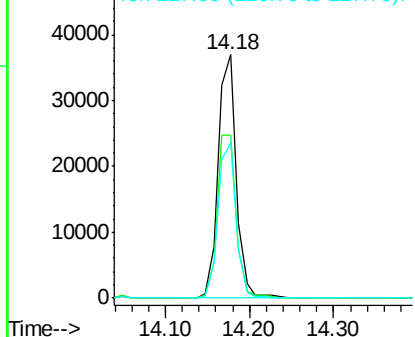


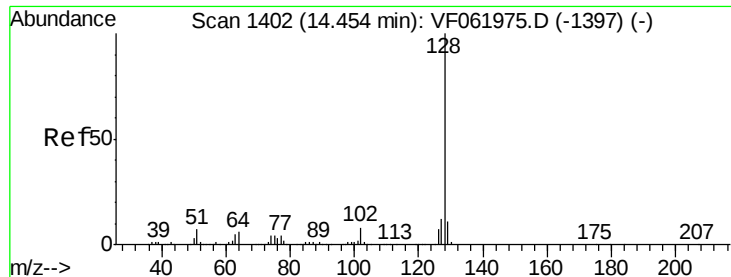
#94
 Hexachlorobutadiene
 Concen: 22.131 ug/l
 RT: 14.18 min Scan# 1374
 Delta R.T. -0.01 min
 Lab File: VF062012.D
 Acq: 19 Mar 2019 12:21

Tgt Ion:225 Resp: 55354
 Ion Ratio Lower Upper
 225 100
 223 67.1 29.9 89.7
 227 64.0 32.4 97.2



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: 20.406 ug/l

RT: 14.44 min Scan# 1401

Delta R.T. -0.01 min

Lab File: VF062012.D

Acq: 19 Mar 2019 12:21

Instrument :

MSVOA_F

ClientSampled :

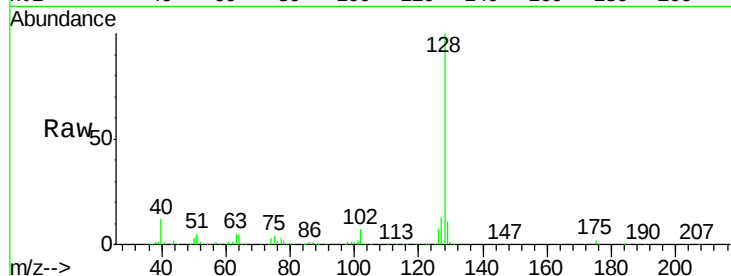
Tot Ion:128 Resp: 138273

Ion Ratio Lower Upper

128 100

127 13.2 9.3 13.9

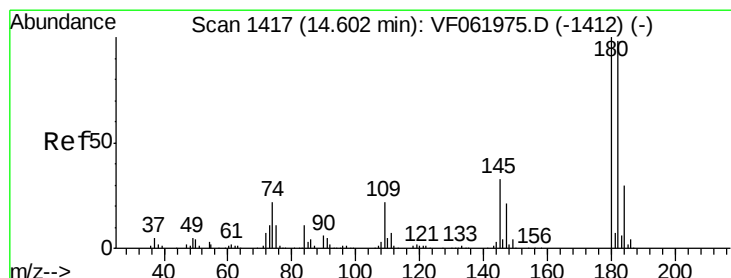
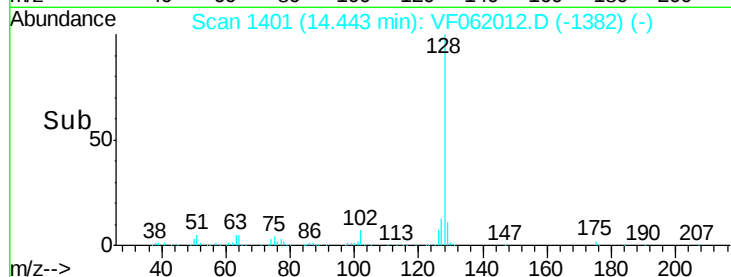
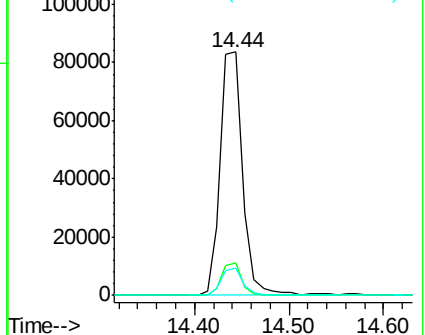
129 11.0 9.1 13.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 22.510 ug/l

RT: 14.58 min Scan# 1415

Delta R.T. -0.02 min

Lab File: VF062012.D

Acq: 19 Mar 2019 12:21

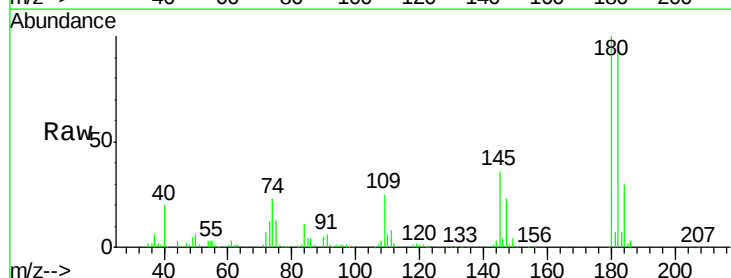
Tgt Ion:180 Resp: 78023

Ion Ratio Lower Upper

180 100

182 95.4 48.9 146.8

145 36.4 16.7 50.1



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

