

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF031819\
 Data File : VF061991.D
 Acq On : 18 Mar 2019 12:12
 Operator : VA/AP
 Sample : VF0318SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Mar 19 01:20:13 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	4.85	168	270815	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.58	114	426281	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.75	117	354544	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.54	152	191284	50.00	ug/l	-0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.82	65	99192	50.88	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	101.76%	
35) Dibromofluoromethane	4.09	113	137150	47.91	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	95.82%	
50) Toluene-d8	7.53	98	400040	47.81	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	95.62%	
62) 4-Bromofluorobenzene	11.40	95	155997	46.93	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	93.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	68369	23.682	ug/l	97
3) Chloromethane	1.10	50	67595	23.040	ug/l	100
4) Vinyl Chloride	1.14	62	64961	22.894	ug/l	98
5) Bromomethane	1.33	94	42347	21.245	ug/l	91
6) Chloroethane	1.39	64	33566	22.915	ug/l	95
7) Trichlorofluoromethane	1.48	101	87774	23.349	ug/l	99
8) Diethyl Ether	1.62	74	18158	21.728	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	1.83	101	58460	22.073	ug/l	97
10) Methyl Iodide	1.91	142	82965	17.898	ug/l	95
11) Tert butyl alcohol	2.56	59	12936	108.444	ug/l #	84
12) 1,1-Dichloroethene	1.79	96	47838	20.929	ug/l	90
13) Acrolein	1.99	56	14620	113.532	ug/l	94
14) Allyl chloride	2.09	41	60140	20.612	ug/l	97
15) Acrylonitrile	2.93	53	39064	107.689	ug/l #	81
16) Acetone	2.23	43	52904	120.853	ug/l	100
17) Carbon Disulfide	1.81	76	146723	22.196	ug/l	97
18) Methyl Acetate	2.41	43	20232	22.591	ug/l	98
19) Methyl tert-butyl Ether	2.42	73	85286	20.592	ug/l	100
20) Methylene Chloride	2.17	84	17517	7.773	ug/l	89
21) trans-1,2-Dichloroethene	2.29	96	51639	21.649	ug/l	96
22) Diisopropyl ether	2.79	45	147324	20.992	ug/l	98
23) Vinyl Acetate	3.17	43	327180	118.263	ug/l	95
24) 1,1-Dichloroethane	2.86	63	85765	21.017	ug/l	99
25) 2-Butanone	4.32	43	87138	100.510	ug/l	93
26) 2,2-Dichloropropane	3.58	77	40965	21.283	ug/l	92
27) cis-1,2-Dichloroethene	3.46	96	61534	20.468	ug/l	97
28) Bromochloromethane	3.69	49	34071	20.122	ug/l	88
29) Tetrahydrofuran	4.05	42	36617	97.119	ug/l	98
30) Chloroform	3.83	83	101530	21.959	ug/l	87
31) Cyclohexane	3.66	56	52084	13.028	ug/l	96
32) 1,1,1-Trichloroethane	4.07	97	60919	19.840	ug/l	95
36) 1,1-Dichloropropene	4.25	75	80335	20.869	ug/l	97
37) Ethyl Acetate	4.09	43	34312	19.851	ug/l	92
38) Carbon Tetrachloride	3.96	117	57393	20.400	ug/l	93

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF031819\
 Data File : VF061991.D
 Acq On : 18 Mar 2019 12:12
 Operator : VA/AP
 Sample : VF0318SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Mar 19 01:20:13 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)
39) Methylcyclohexane	5.42	83	93266	20.637	ug/l	96
40) Benzene	4.60	78	209921	20.580	ug/l	98
41) Methacrylonitrile	4.72	41	16131	17.468	ug/l #	91
42) 1,2-Dichloroethane	4.92	62	53085	20.906	ug/l	98
43) Isopropyl Acetate	6.94	43	38149	18.654	ug/l #	94
44) Trichloroethene	5.48	130	66415	21.255	ug/l	96
45) 1,2-Dichloropropane	6.21	63	49883	20.664	ug/l	98
46) Dibromomethane	6.06	93	29293	20.399	ug/l	96
47) Bromodichloromethane	6.36	83	69915	20.651	ug/l	94
48) Methyl methacrylate	6.69	41	26543	20.082	ug/l #	83
49) 1,4-Dioxane	6.68	88	4582	389.738	ug/l #	80
51) 4-Methyl-2-Pentanone	8.24	43	142613	98.203	ug/l	100
52) Toluene	7.60	92	122459	19.649	ug/l	95
53) t-1,3-Dichloropropene	8.25	75	55375	19.374	ug/l	94
54) cis-1,3-Dichloropropene	7.27	75	75028	20.118	ug/l	96
55) 1,1,2-Trichloroethane	8.47	97	33183	19.077	ug/l	97
56) Ethyl methacrylate	8.60	69	37506	18.968	ug/l	98
57) 1,3-Dichloropropane	8.83	76	56189	19.365	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.27	63	34572	96.529	ug/l	97
59) 2-Hexanone	9.47	43	116300	110.658	ug/l	95
60) Dibromochloromethane	8.69	129	50661	20.979	ug/l	91
61) 1,2-Dibromoethane	8.96	107	37069	19.867	ug/l	92
64) Tetrachloroethene	8.13	164	57080	22.148	ug/l	98
65) Chlorobenzene	9.78	112	136107	20.619	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.91	131	54700	21.378	ug/l	96
67) Ethyl Benzene	9.88	91	232533	20.574	ug/l	97
68) m/p-Xylenes	10.10	106	181375	42.667	ug/l	90
69) o-Xylene	10.70	106	97131	21.354	ug/l	95
70) Styrene	10.76	104	136003	21.582	ug/l	98
71) Bromoform	10.75	173	27535	21.276	ug/l	89
73) Isopropylbenzene	11.11	105	282774	21.398	ug/l	99
74) N-amyl acetate	11.36	43	64126	21.177	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.68	83	43365	19.880	ug/l	97
76) 1,2,3-Trichloropropane	11.78	75	31233	20.477	ug/l	97
77) Bromobenzene	11.47	156	64245	20.993	ug/l	90
78) n-propylbenzene	11.57	91	322031	21.193	ug/l	98
79) 2-Chlorotoluene	11.70	91	186451	21.738	ug/l	95
80) 1,3,5-Trimethylbenzene	11.81	105	213509	20.001	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.85	75	19658	29.133	ug/l	93
82) 4-Chlorotoluene	11.88	91	185844	21.426	ug/l	97
83) tert-Butylbenzene	12.12	119	242937	21.761	ug/l	99
84) 1,2,4-Trimethylbenzene	12.18	105	221108	20.679	ug/l	93
85) sec-Butylbenzene	12.29	105	323674	21.459	ug/l	99
86) p-Isopropyltoluene	12.44	119	279141	22.178	ug/l	95
87) 1,3-Dichlorobenzene	12.46	146	130788	21.744	ug/l	99
88) 1,4-Dichlorobenzene	12.55	146	117938	20.372	ug/l	98
89) n-Butylbenzene	12.83	91	257474	21.770	ug/l	96
90) Hexachloroethane	12.90	117	63479	22.100	ug/l	87
91) 1,2-Dichlorobenzene	12.92	146	119308	21.416	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.62	75	6749	19.281	ug/l	61

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF031819\
Data File : VF061991.D
Acq On : 18 Mar 2019 12:12
Operator : VA/AP
Sample : VF0318SBS01
Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :

Quant Time: Mar 19 01:20:13 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

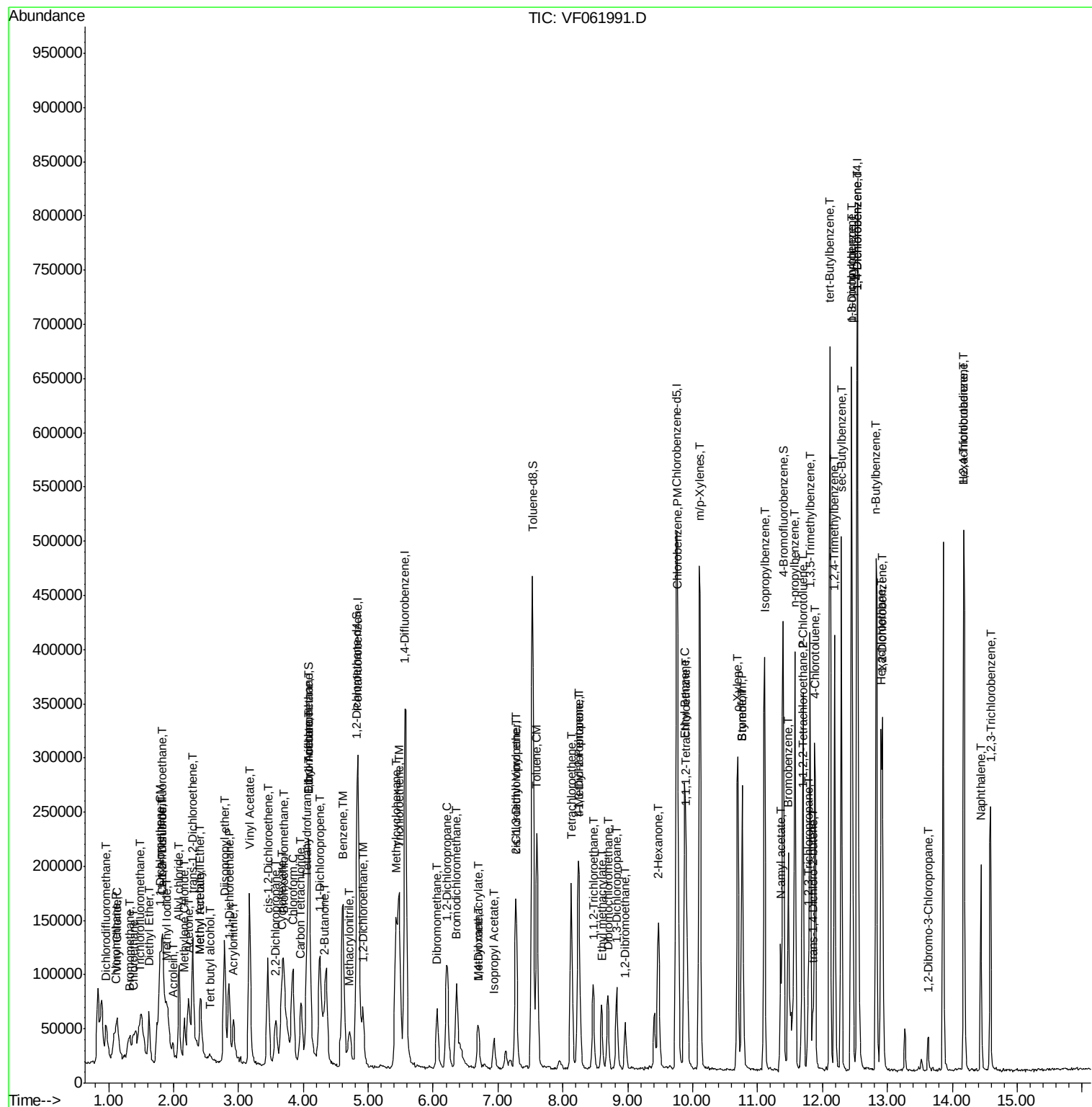
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	84059	21.668	ug/l	95
94) Hexachlorobutadiene	14.18	225	55273	21.462	ug/l	99
95) Naphthalene	14.44	128	135463	19.415	ug/l	98
96) 1,2,3-Trichlorobenzene	14.59	180	78888	22.103	ug/l	97

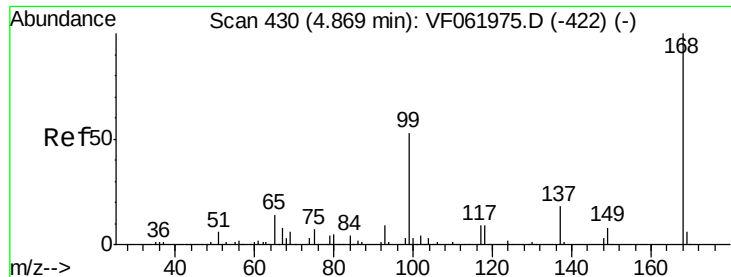
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF031819\
 Data File : VF061991.D
 Acq On : 18 Mar 2019 12:12
 Operator : VA/AP
 Sample : VF0318SBS01
 Misc : 5.00µ/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Mar 19 01:20:13 2019
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F031619S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 18 07:28:40 2019
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.85 min Scan# 428

Delta R.T. -0.02 min

Lab File: VF061991.D

Acq: 18 Mar 2019 12:12

Instrument :

MSVOA_F

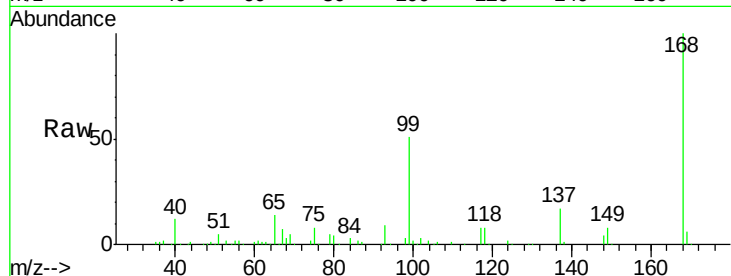
ClientSampleId :

Tot Ion:168 Resp: 270815

Ion Ratio Lower Upper

168 100

99 51.3 42.4 63.6



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.85

80000

60000

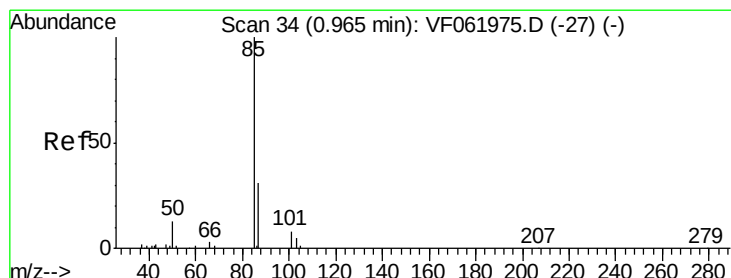
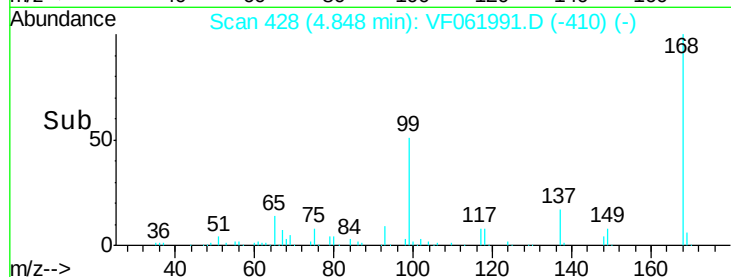
40000

20000

0

Time-->

4.70 4.80 4.90 5.00 5.10



#2

Dichlorodifluoromethane

Concen: 23.682 ug/l

RT: 0.96 min Scan# 34

Delta R.T. -0.00 min

Lab File: VF061991.D

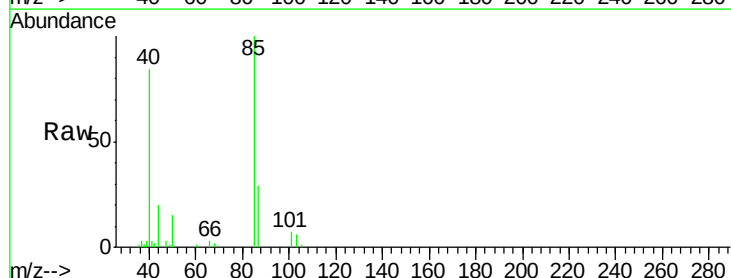
Acq: 18 Mar 2019 12:12

Tgt Ion: 85 Resp: 68369

Ion Ratio Lower Upper

85 100

87 29.3 15.4 46.2



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

20000

15000

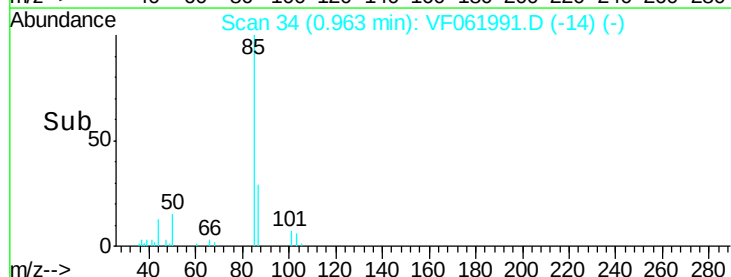
10000

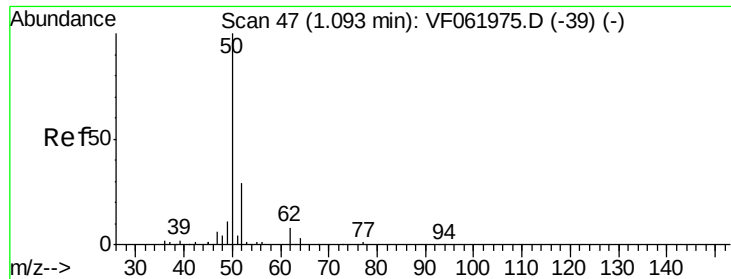
5000

0

Time-->

0.80 0.90 1.00 1.10

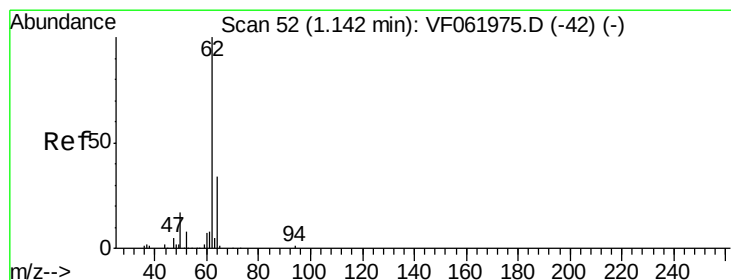
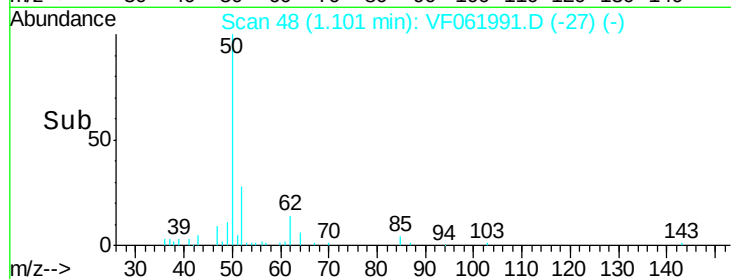
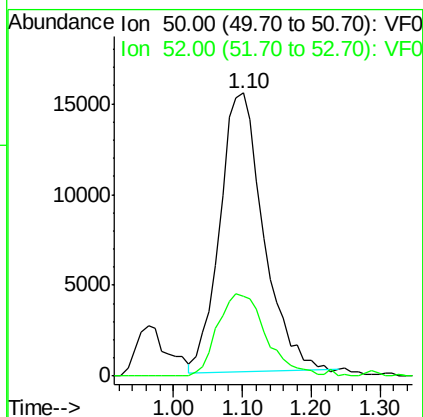
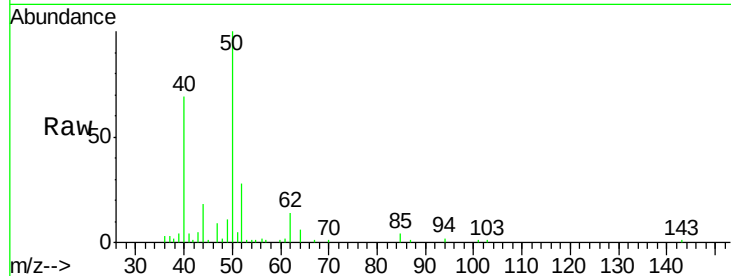




#3
Chloromethane
Concen: 23.040 ug/l
RT: 1.10 min Scan# 48
Delta R.T. 0.01 min
Lab File: VF061991.D
Acq: 18 Mar 2019 12:12

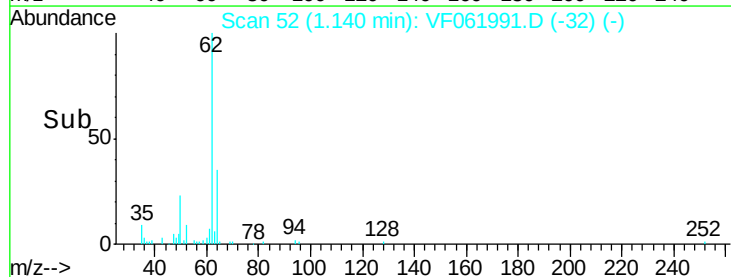
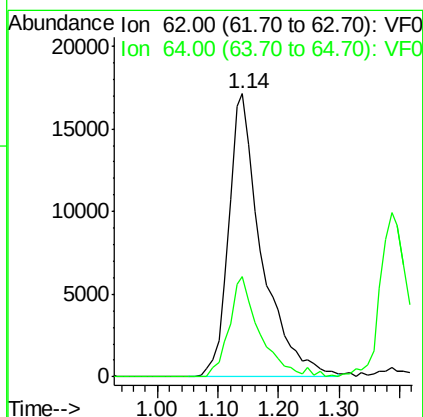
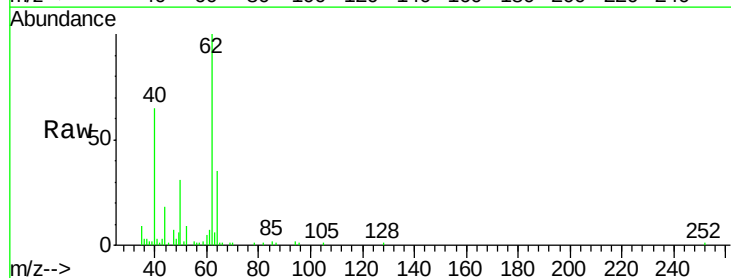
Instrument :
MSVOA_F
ClientSampleId :

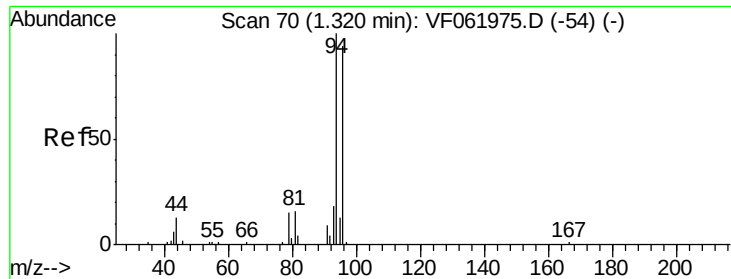
Tot Ion: 50 Resp: 67595
Ion Ratio Lower Upper
50 100
52 28.4 22.6 34.0



#4
Vinyl Chloride
Concen: 22.894 ug/l
RT: 1.14 min Scan# 52
Delta R.T. -0.00 min
Lab File: VF061991.D
Acq: 18 Mar 2019 12:12

Tgt Ion: 62 Resp: 64961
Ion Ratio Lower Upper
62 100
64 35.3 27.4 41.2





#5

Bromomethane

Concen: 21.245 ug/l

RT: 1.33 min Scan# 71

Delta R.T. 0.01 min

Lab File: VF061991.D

Acq: 18 Mar 2019 12:12

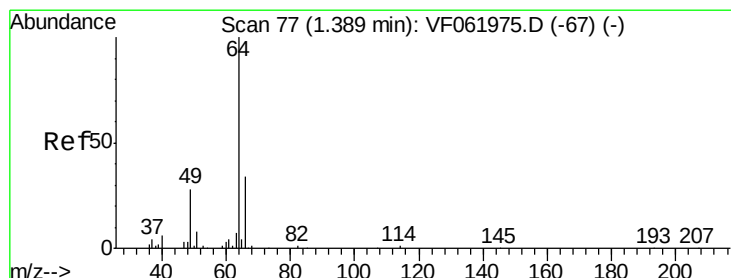
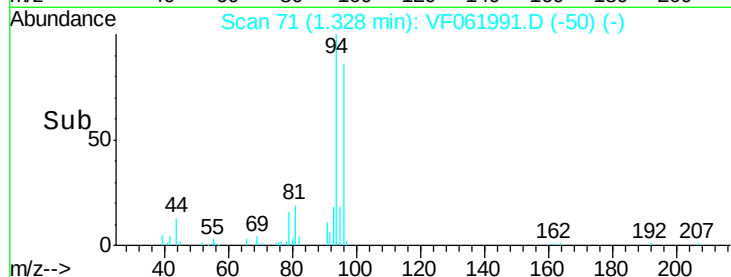
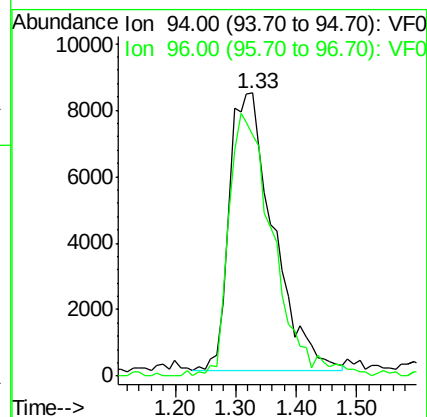
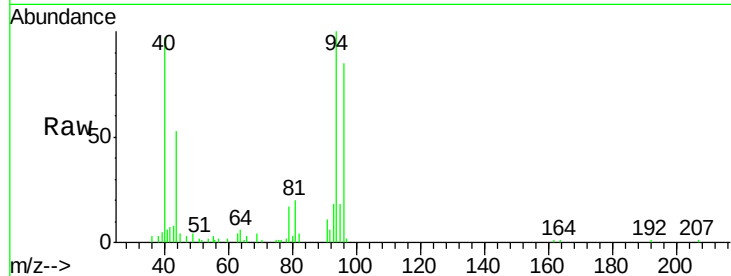
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 94 Resp: 42347

Ion Ratio Lower Upper

94 100

96 85.1 75.0 112.6



#6

Chloroethane

Concen: 22.915 ug/l

RT: 1.39 min Scan# 77

Delta R.T. -0.00 min

Lab File: VF061991.D

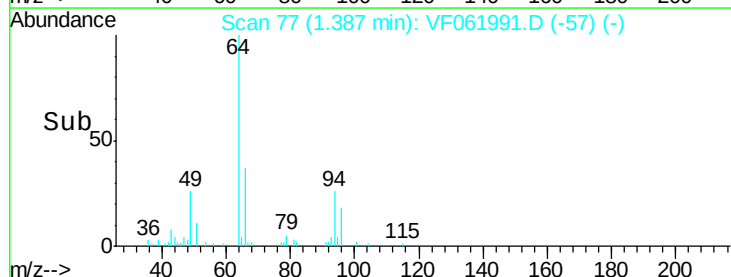
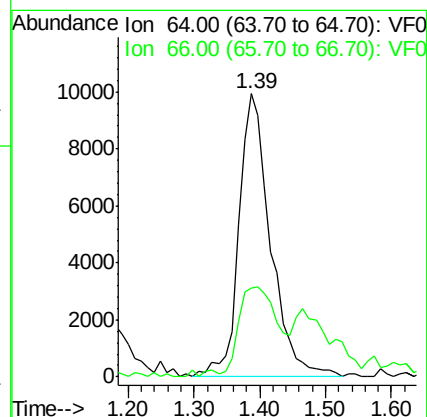
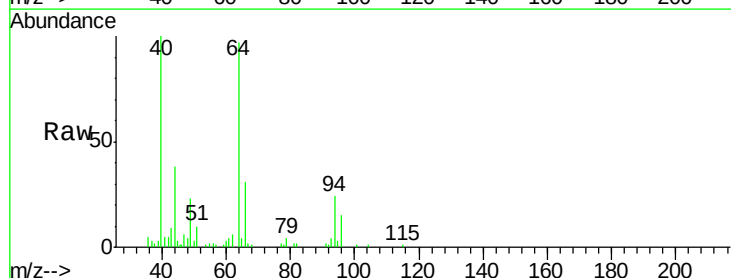
Acq: 18 Mar 2019 12:12

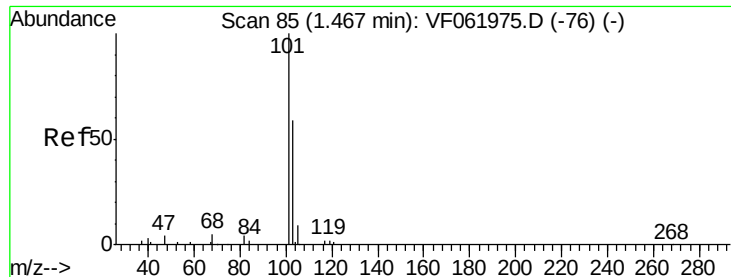
Tgt Ion: 64 Resp: 33566

Ion Ratio Lower Upper

64 100

66 31.5 27.6 41.4





#7

Trichlorofluoromethane

Concen: 23.349 ug/l

RT: 1.48 min Scan# 86

Delta R.T. 0.01 min

Lab File: VF061991.D

Acq: 18 Mar 2019 12:12

Instrument :

MSVOA_F

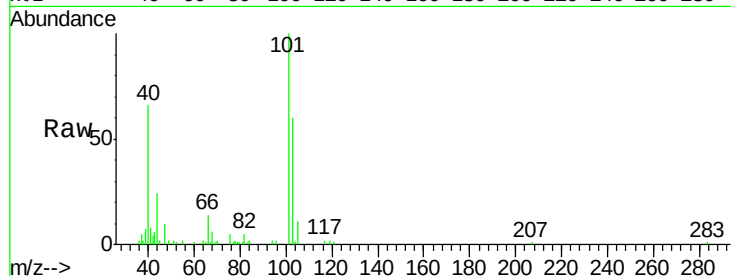
ClientSampleId :

Tot Ion:101 Resp: 87774

Ion Ratio Lower Upper

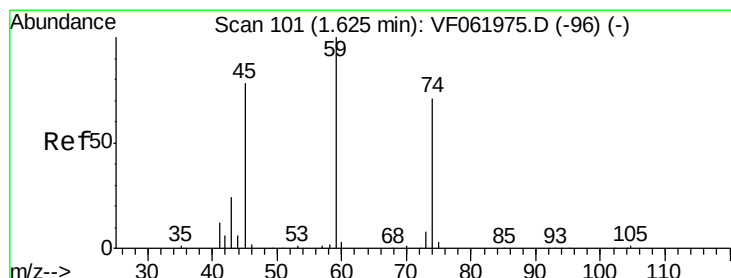
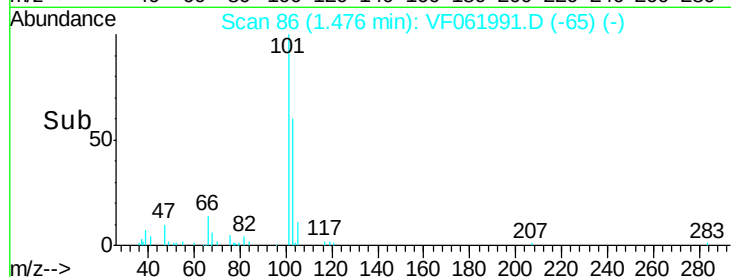
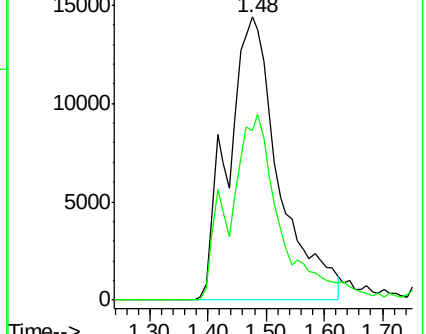
101 100

103 60.0 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: 21.728 ug/l

RT: 1.62 min Scan# 101

Delta R.T. -0.00 min

Lab File: VF061991.D

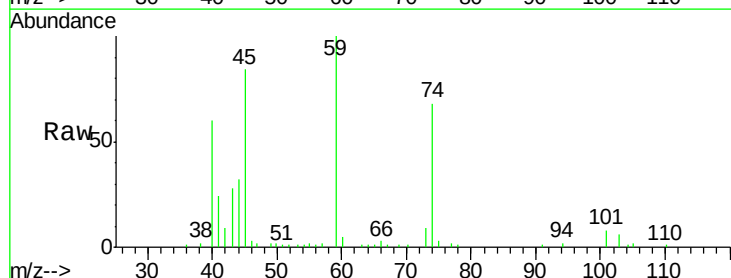
Acq: 18 Mar 2019 12:12

Tgt Ion: 74 Resp: 18158

Ion Ratio Lower Upper

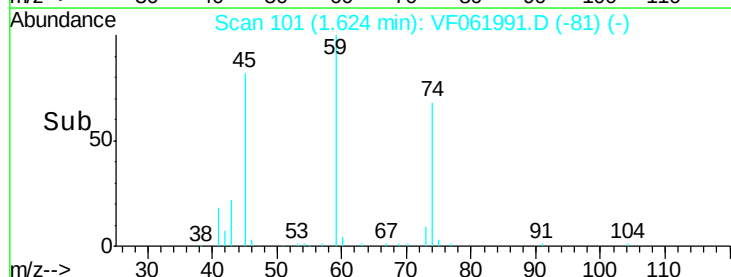
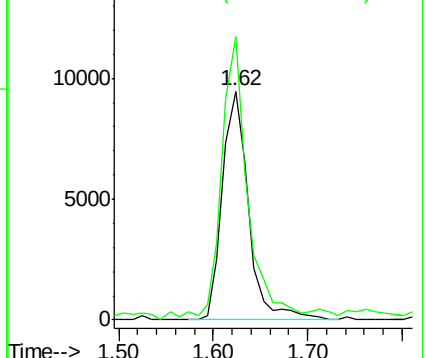
74 100

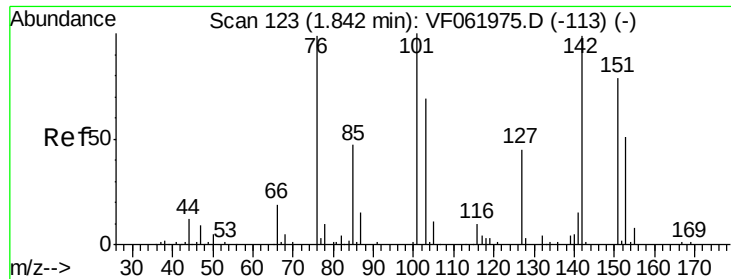
45 123.8 56.3 168.8



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: 22.073 ug/l

RT: 1.83 min Scan# 122

Delta R.T. -0.01 min

Lab File: VF061991.D

Acq: 18 Mar 2019 12:12

Instrument :

MSVOA_F

ClientSampled :

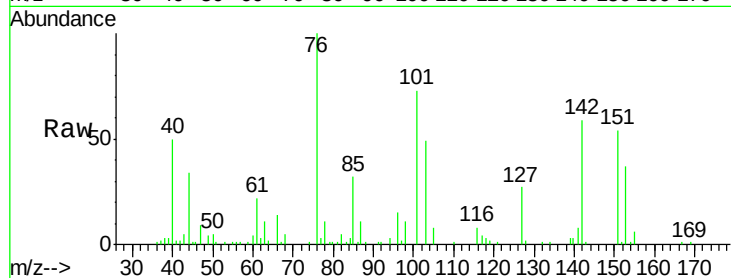
Tot Ion:101 Resp: 58460

Ion Ratio Lower Upper

101 100

85 44.7 36.8 55.2

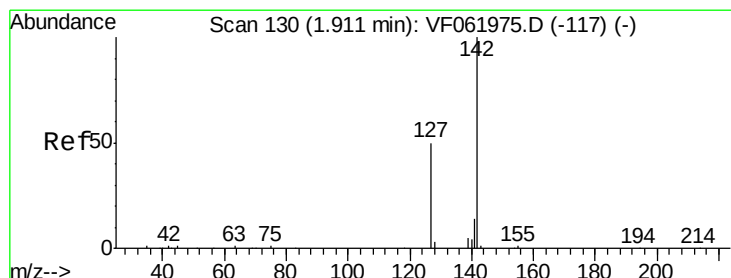
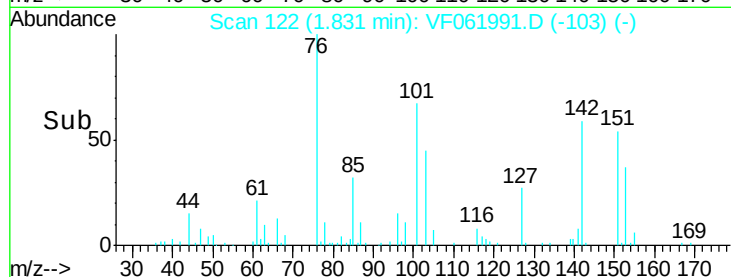
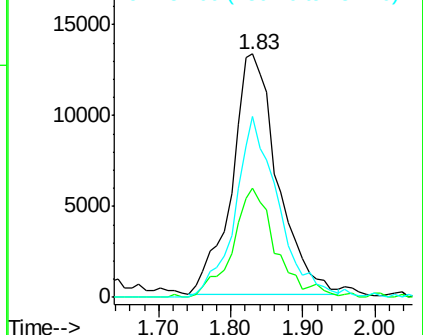
151 74.4 62.2 93.2



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: 17.898 ug/l

RT: 1.91 min Scan# 130

Delta R.T. -0.00 min

Lab File: VF061991.D

Acq: 18 Mar 2019 12:12

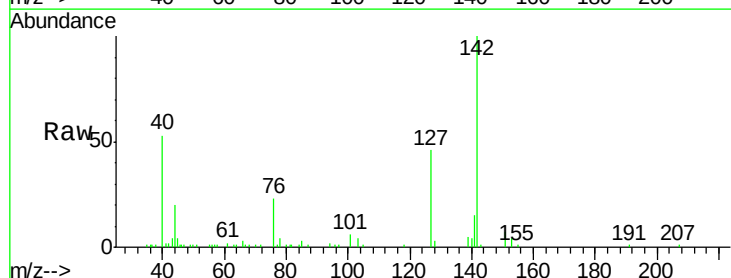
Tgt Ion:142 Resp: 82965

Ion Ratio Lower Upper

142 100

127 45.5 39.7 59.5

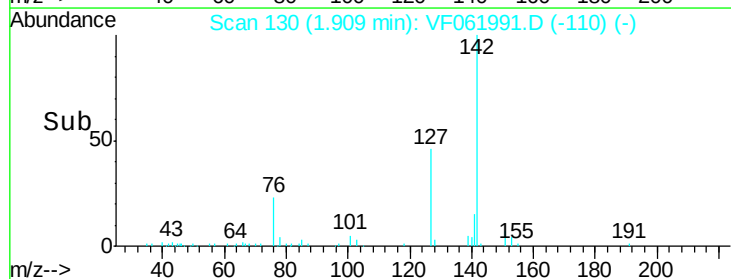
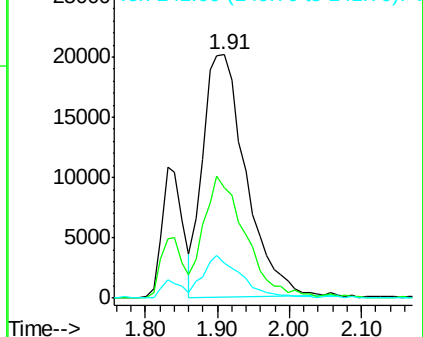
141 14.6 10.8 16.2

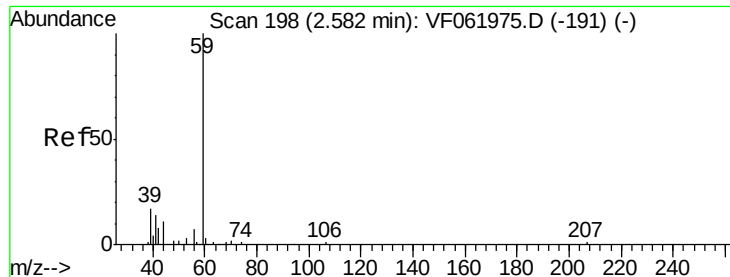


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



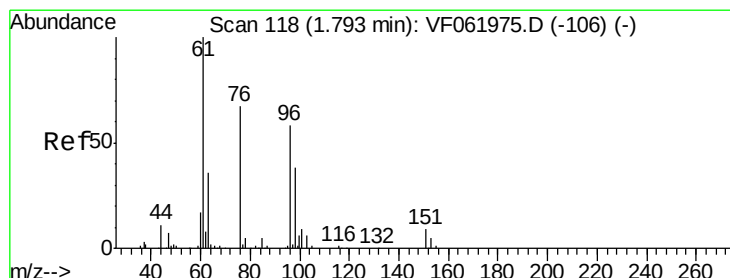
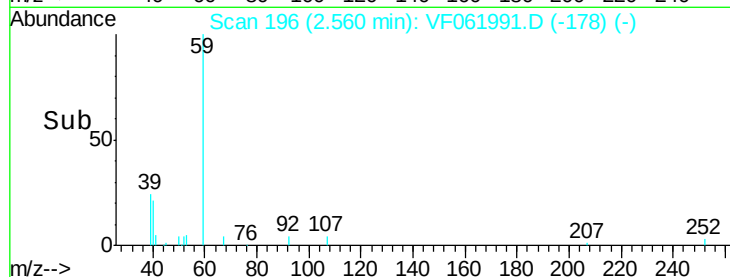
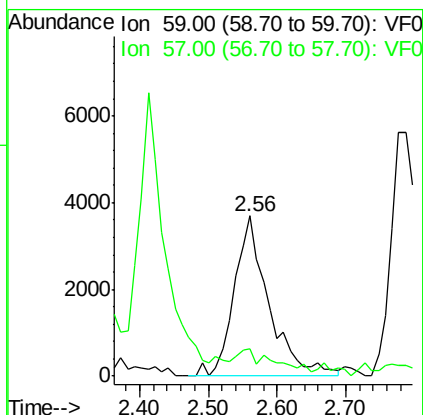
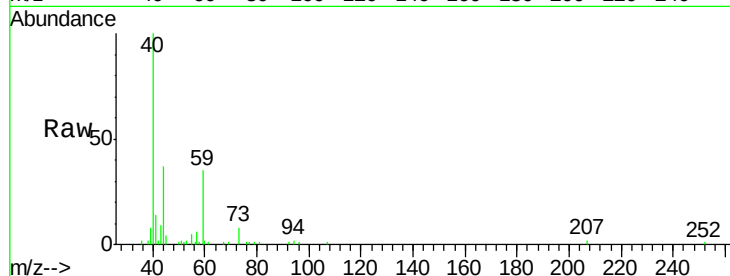


#11

Tert butyl alcohol
 Concen: 108.444 ug/l
 RT: 2.56 min Scan# 196
 Delta R.T. -0.02 min
 Lab File: VF061991.D
 Acq: 18 Mar 2019 12:12

Instrument :
 MSVOA_F
 ClientSampleId :

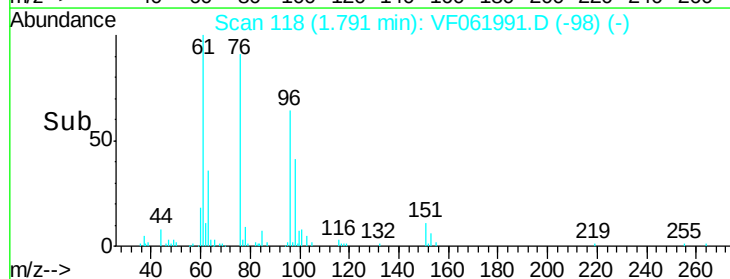
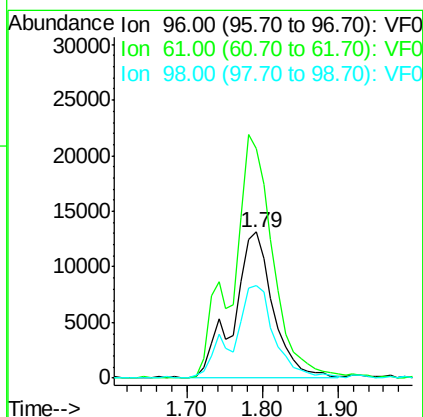
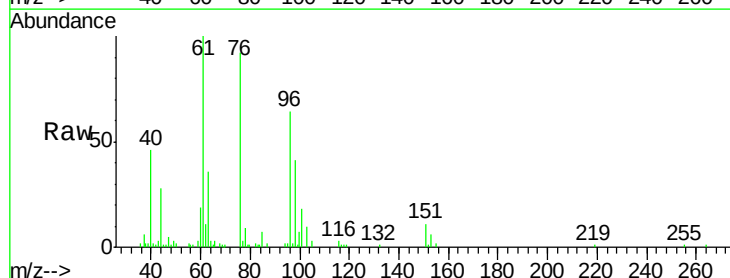
Tot Ion: 59 Resp: 12936
 Ion Ratio Lower Upper
 59 100
 57 16.8 8.7 13.1#

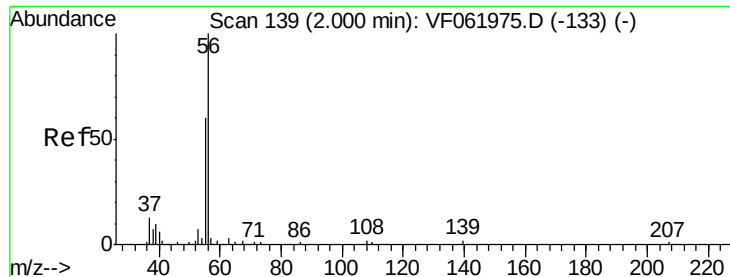


#12

1,1-Dichloroethene
 Concen: 20.929 ug/l
 RT: 1.79 min Scan# 118
 Delta R.T. -0.00 min
 Lab File: VF061991.D
 Acq: 18 Mar 2019 12:12

Tgt Ion: 96 Resp: 47838
 Ion Ratio Lower Upper
 96 100
 61 156.9 138.6 208.0
 98 63.6 53.2 79.8





#13

Acrolein

Concen: 113.532 ug/l

RT: 1.99 min Scan# 138

Delta R.T. -0.01 min

Lab File: VF061991.D

Acq: 18 Mar 2019 12:12

Instrument :

MSVOA_F

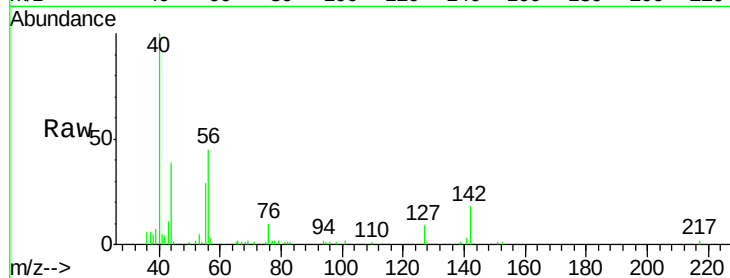
ClientSampleId :

Tot Ion: 56 Resp: 14620

Ion Ratio Lower Upper

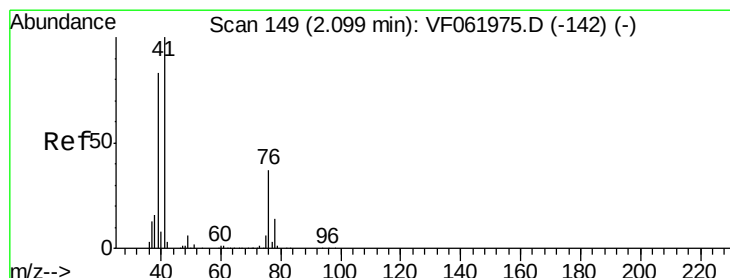
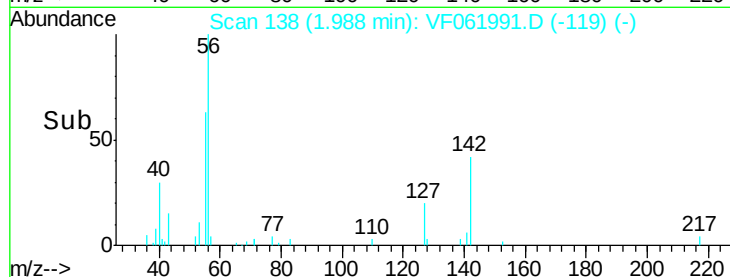
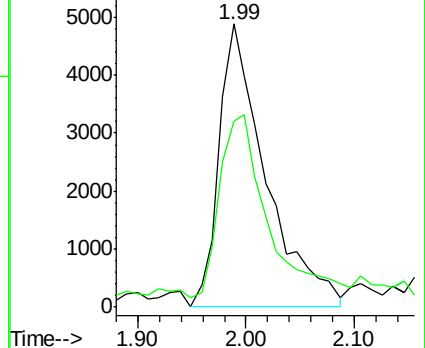
56 100

55 66.0 49.1 73.7



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#14

Allyl chloride

Concen: 20.612 ug/l

RT: 2.09 min Scan# 148

Delta R.T. -0.01 min

Lab File: VF061991.D

Acq: 18 Mar 2019 12:12

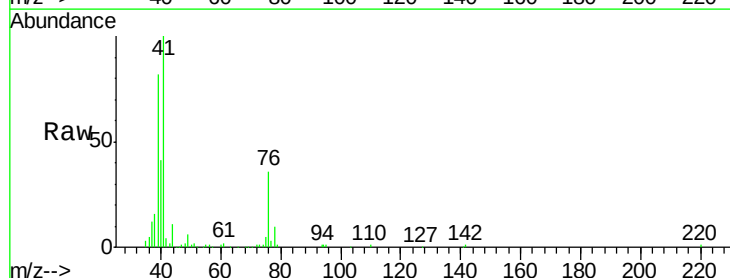
Tgt Ion: 41 Resp: 60140

Ion Ratio Lower Upper

41 100

39 81.9 66.8 100.2

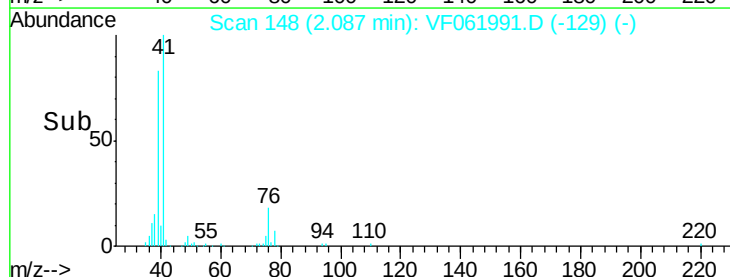
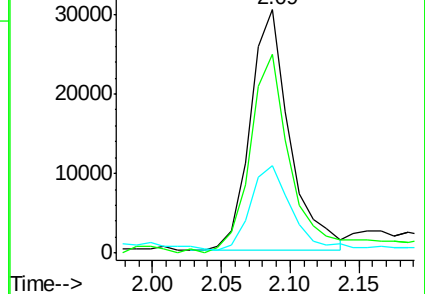
76 35.7 31.1 46.7

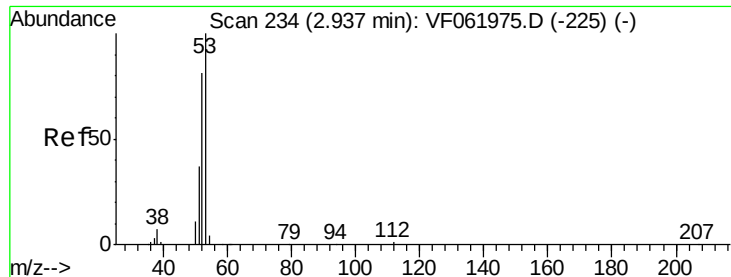


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0





#15

Acrylonitrile

Concen: 107.689 ug/l

RT: 2.93 min Scan# 233

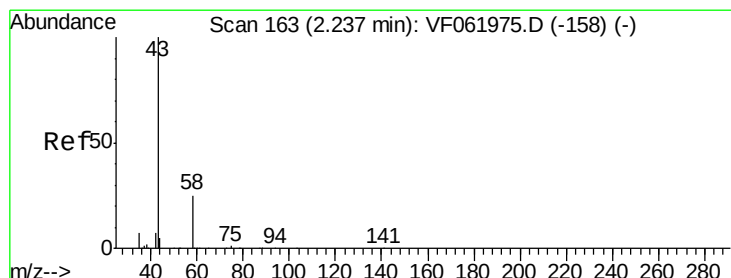
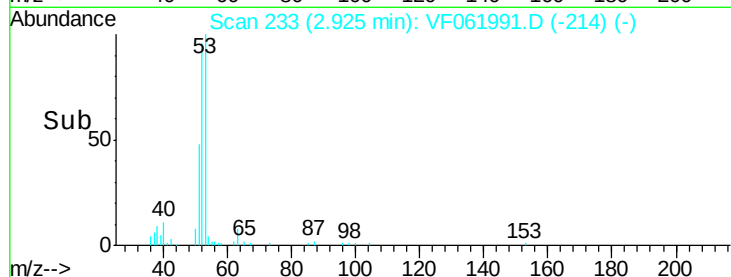
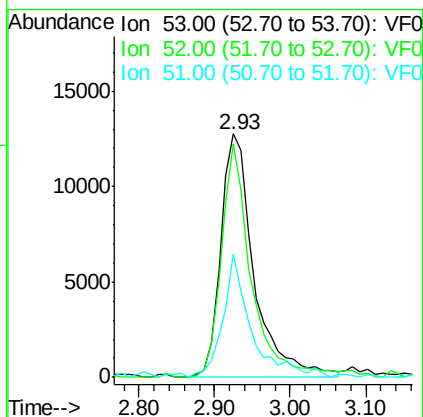
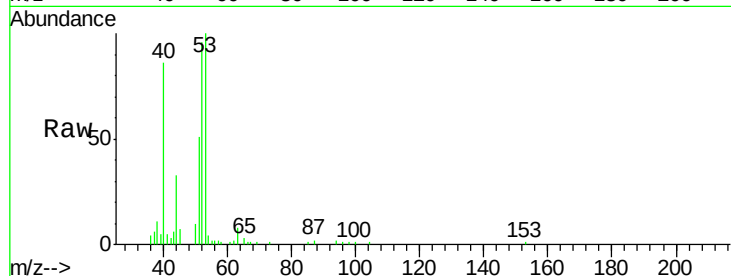
Delta R.T. -0.01 min

Lab File: VF061991.D

Acq: 18 Mar 2019 12:12

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	53	Resp:	39064
Ion	Ratio	Lower	Upper
53	100		
52	95.7	64.4	96.6
51	50.8	30.3	45.5#



#16

Acetone

Concen: 120.853 ug/l

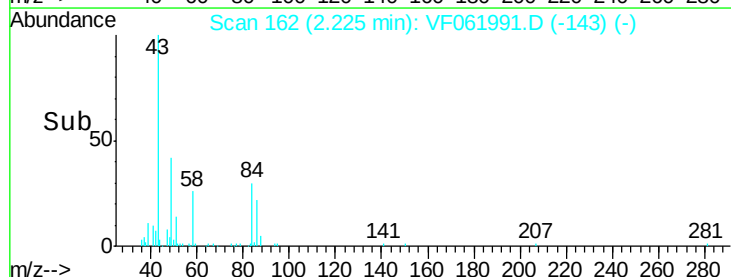
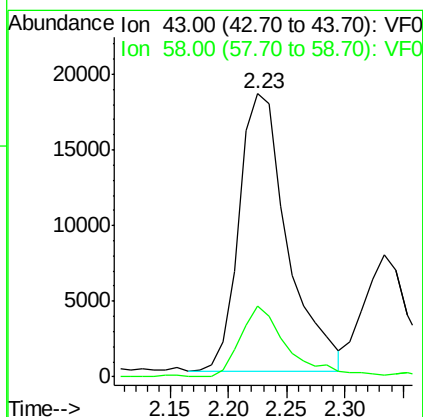
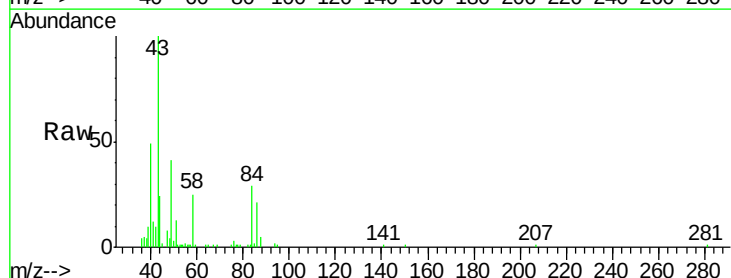
RT: 2.23 min Scan# 162

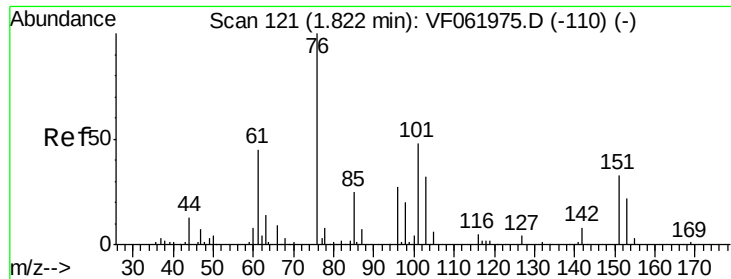
Delta R.T. -0.01 min

Lab File: VF061991.D

Acq: 18 Mar 2019 12:12

Tgt Ion:	43	Resp:	52904
Ion	Ratio	Lower	Upper
43	100		
58	25.1	19.9	29.9

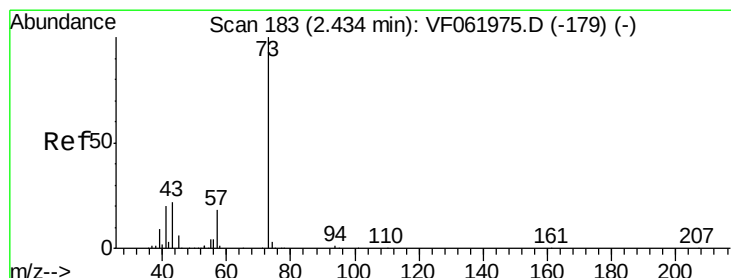
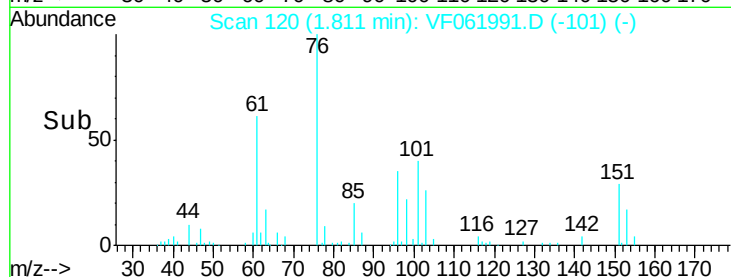
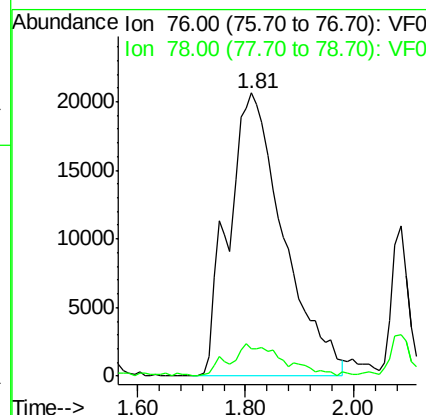
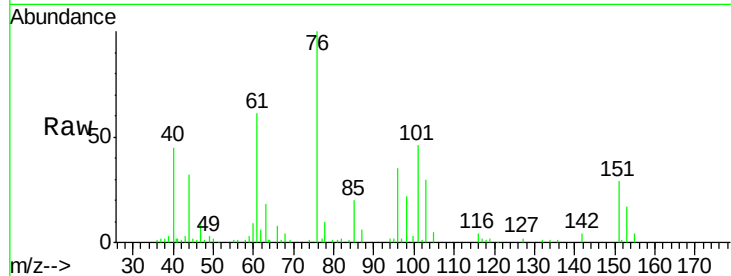




#17
Carbon Disulfide
Concen: 22.196 ug/l
RT: 1.81 min Scan# 120
Delta R.T. -0.01 min
Lab File: VF061991.D
Acq: 18 Mar 2019 12:12

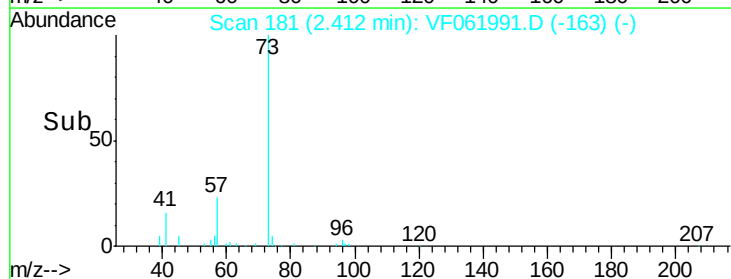
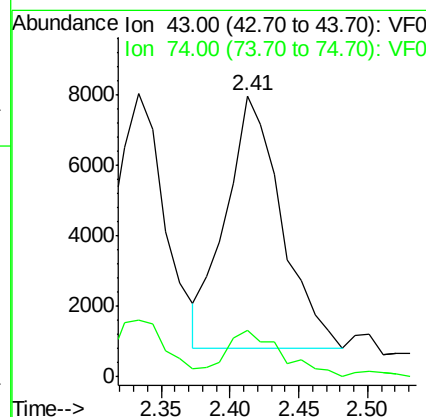
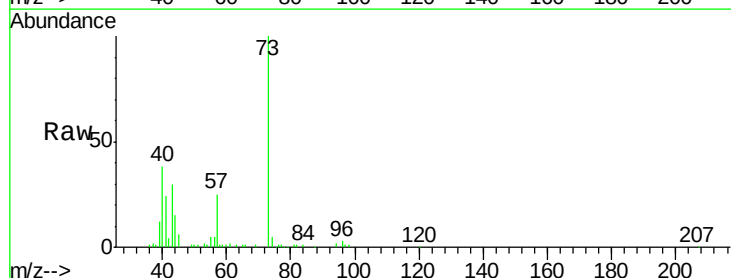
Instrument :
MSVOA_F
ClientSampleId :

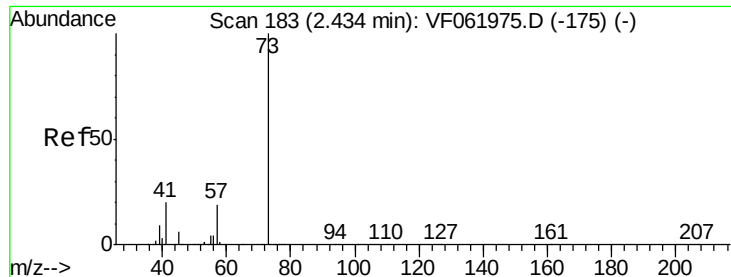
Tot Ion: 76 Resp: 146723
Ion Ratio Lower Upper
76 100
78 9.7 6.8 10.2



#18
Methyl Acetate
Concen: 22.591 ug/l
RT: 2.41 min Scan# 181
Delta R.T. -0.02 min
Lab File: VF061991.D
Acq: 18 Mar 2019 12:12

Tgt Ion: 43 Resp: 20232
Ion Ratio Lower Upper
43 100
74 16.4 12.6 18.8

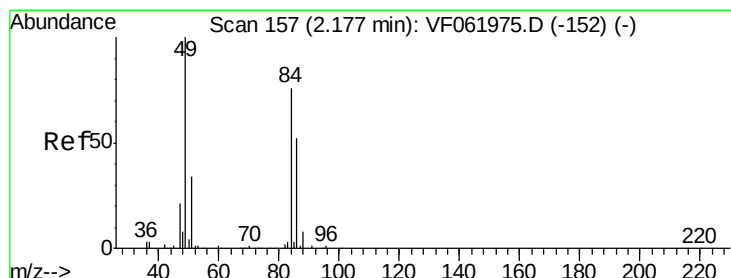
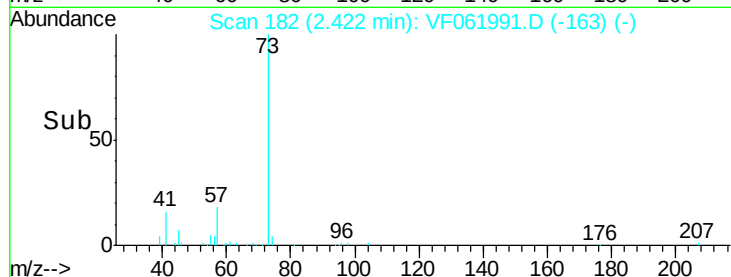
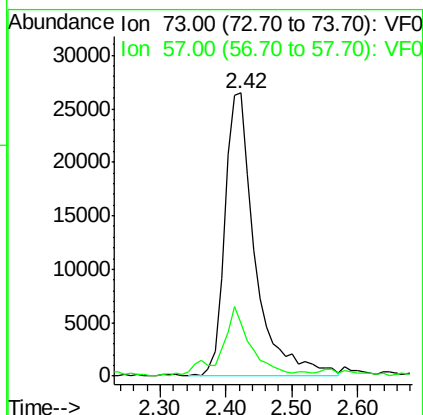
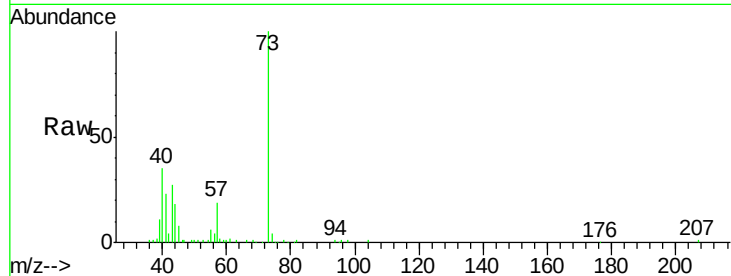




#19
Methyl tert-butyl Ether
Concen: 20.592 ug/l
RT: 2.42 min Scan# 182
Delta R.T. -0.01 min
Lab File: VF061991.D
Acq: 18 Mar 2019 12:12

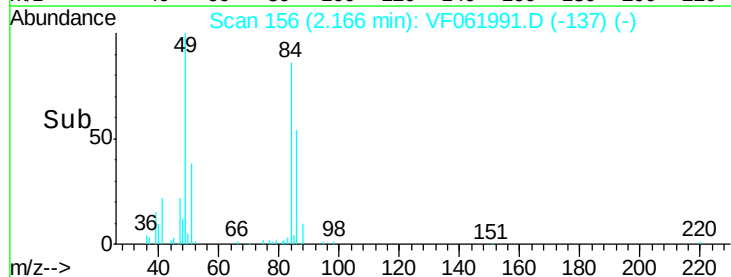
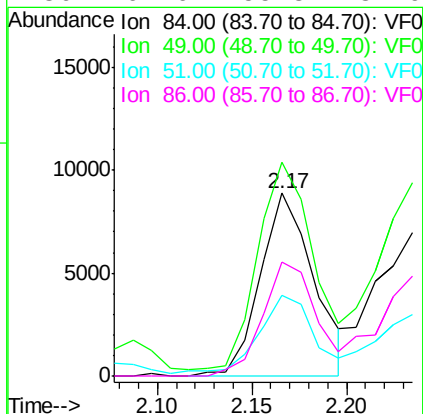
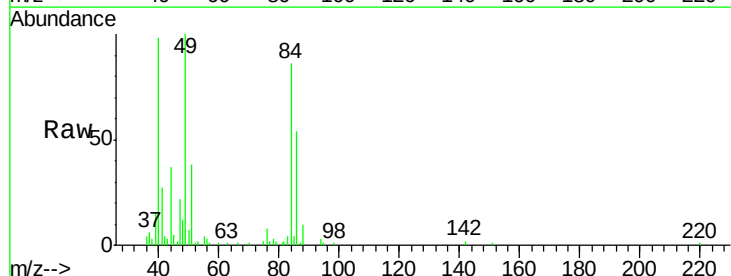
Instrument :
MSVOA_F
ClientSampleId :

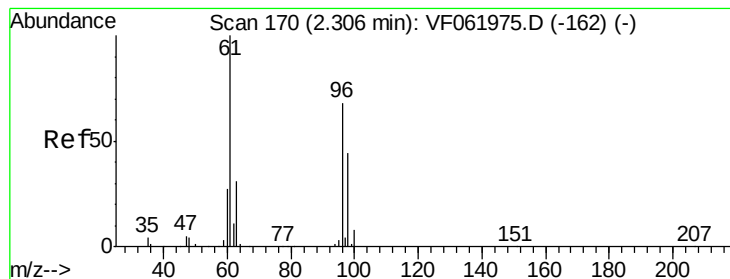
Tot Ion: 73 Resp: 85286
Ion Ratio Lower Upper
73 100
57 18.9 15.3 22.9



#20
Methylene Chloride
Concen: 7.773 ug/l
RT: 2.17 min Scan# 156
Delta R.T. -0.01 min
Lab File: VF061991.D
Acq: 18 Mar 2019 12:12

Tgt Ion: 84 Resp: 17517
Ion Ratio Lower Upper
84 100
49 116.8 107.0 160.6
51 44.3 37.2 55.8
86 62.6 55.3 82.9





#21

trans-1,2-Dichloroethene

Concen: 21.649 ug/l

RT: 2.29 min Scan# 169

Delta R.T. -0.01 min

Lab File: VF061991.D

Acq: 18 Mar 2019 12:12

Instrument :

MSVOA_F

ClientSampleId :

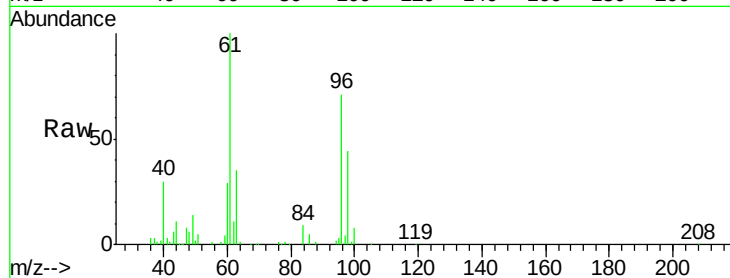
Tot Ion: 96 Resp: 51639

Ion Ratio Lower Upper

96 100

61 140.9 117.4 176.2

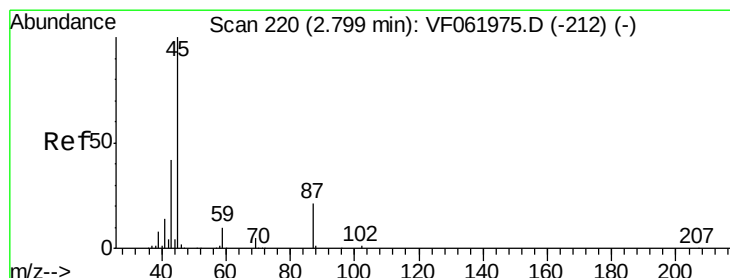
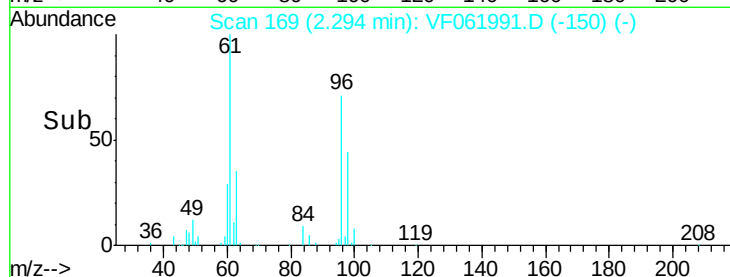
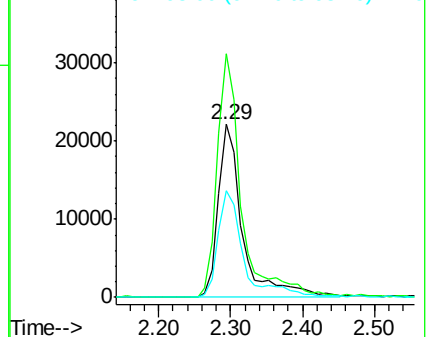
98 61.6 51.2 76.8



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: 20.992 ug/l

RT: 2.79 min Scan# 219

Delta R.T. -0.01 min

Lab File: VF061991.D

Acq: 18 Mar 2019 12:12

Tgt Ion: 45 Resp: 147324

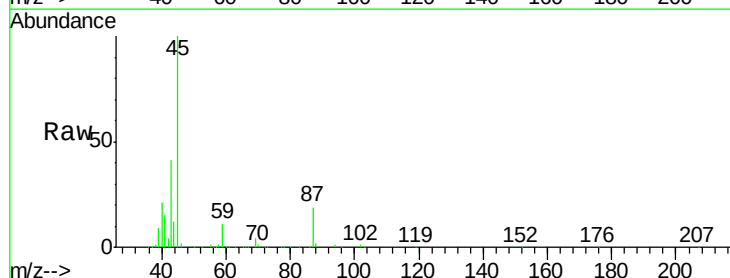
Ion Ratio Lower Upper

45 100

43 41.3 33.7 50.5

87 19.4 17.1 25.7

59 10.8 8.0 12.0

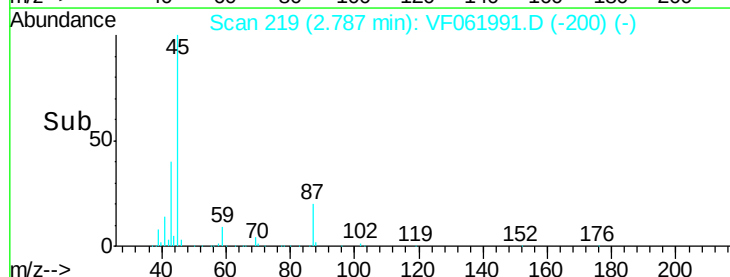
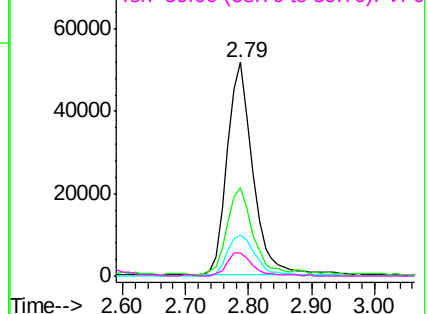


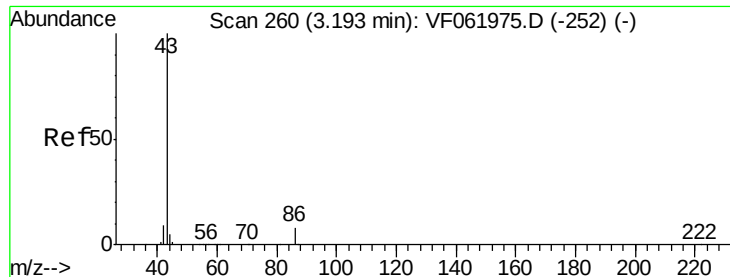
Abundance Ion 45.00 (44.70 to 45.70): VF0

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: 118.263 ug/l

RT: 3.17 min Scan# 258

Delta R.T. -0.02 min

Lab File: VF061991.D

Acq: 18 Mar 2019 12:12

Instrument :

MSVOA_F

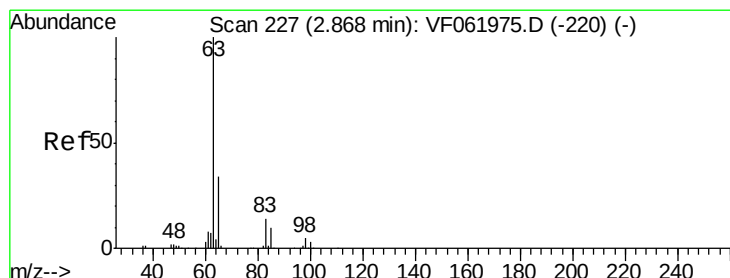
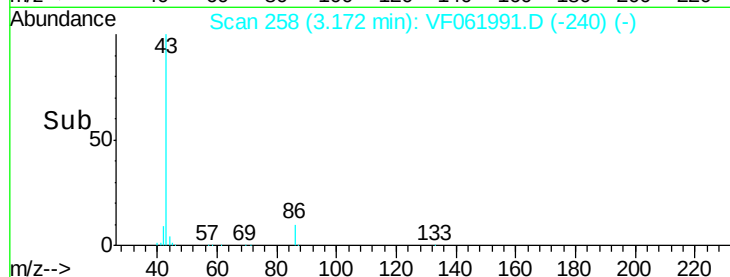
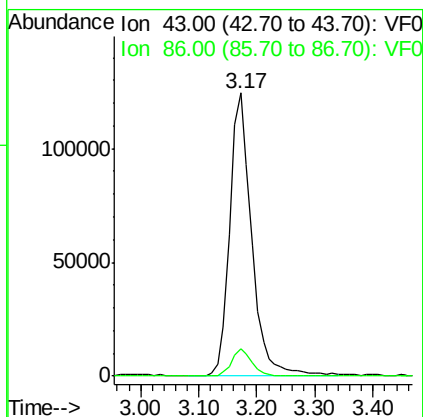
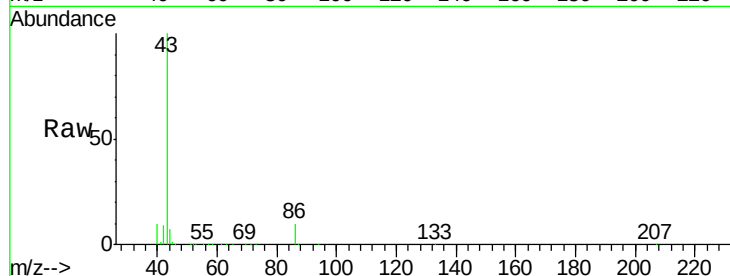
ClientSampleId :

Tot Ion: 43 Resp: 327180

Ion Ratio Lower Upper

43 100

86 9.7 6.5 9.7



#24

1,1-Dichloroethane

Concen: 21.017 ug/l

RT: 2.86 min Scan# 226

Delta R.T. -0.01 min

Lab File: VF061991.D

Acq: 18 Mar 2019 12:12

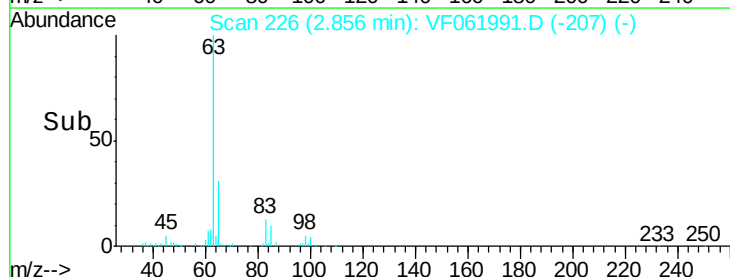
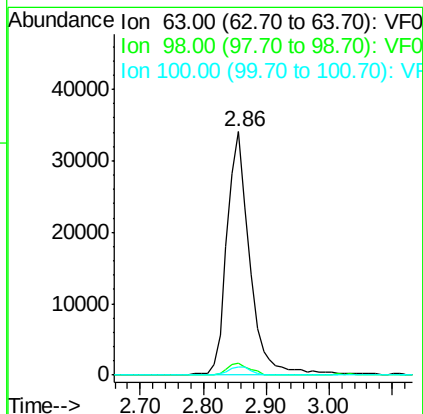
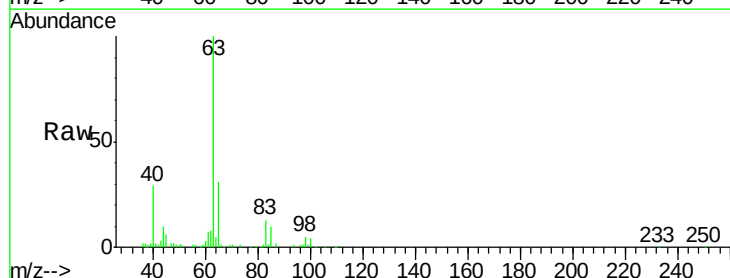
Tgt Ion: 63 Resp: 85765

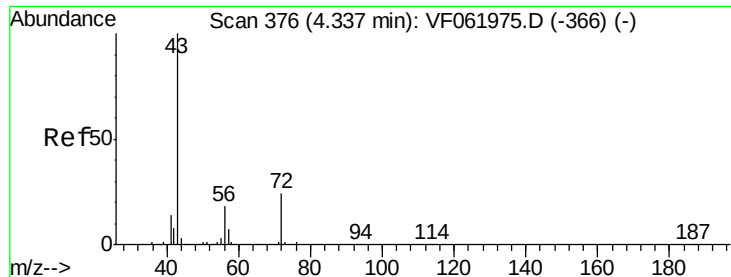
Ion Ratio Lower Upper

63 100

98 4.9 2.7 8.1

100 3.6 1.7 5.0





#25

2-Butanone

Concen: 100.510 ug/l

RT: 4.32 min Scan# 374

Delta R.T. -0.02 min

Lab File: VF061991.D

Acq: 18 Mar 2019 12:12

Instrument :

MSVOA_F

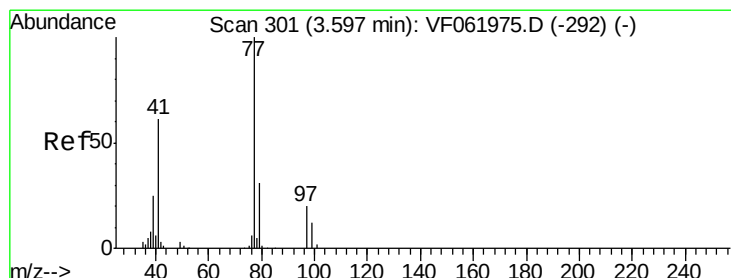
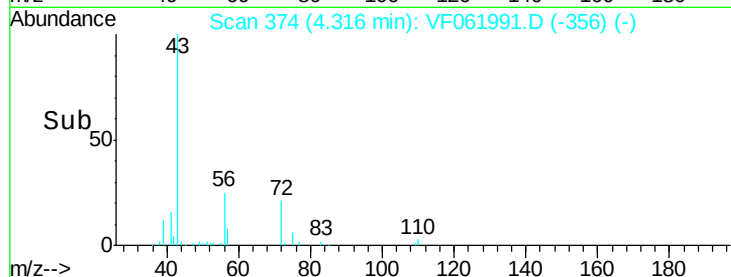
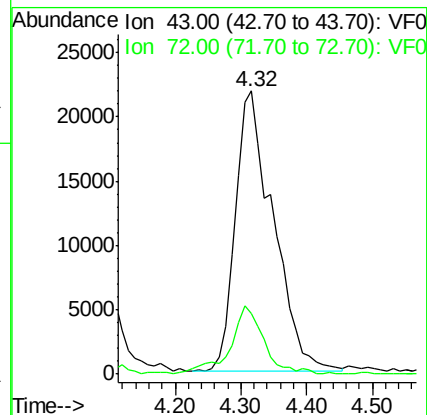
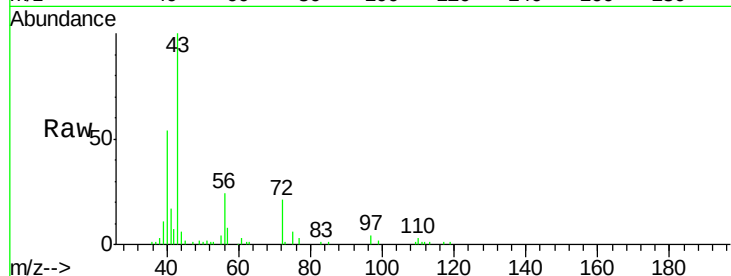
ClientSampleId :

Tot Ion: 43 Resp: 87138

Ion Ratio Lower Upper

43 100

72 21.4 19.8 29.6



#26

2,2-Dichloropropane

Concen: 21.283 ug/l

RT: 3.58 min Scan# 299

Delta R.T. -0.02 min

Lab File: VF061991.D

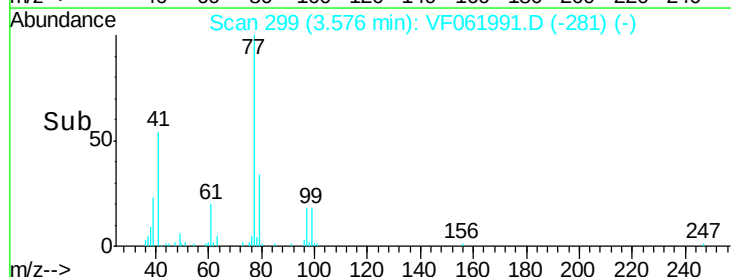
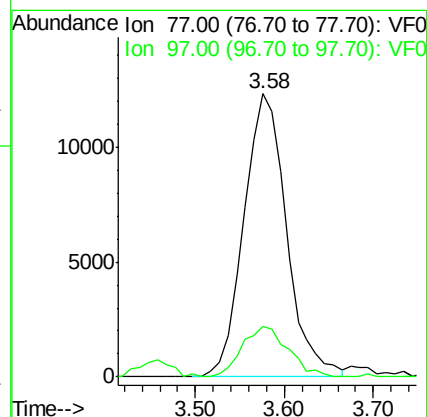
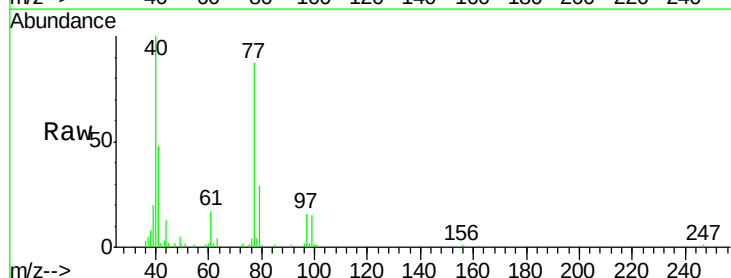
Acq: 18 Mar 2019 12:12

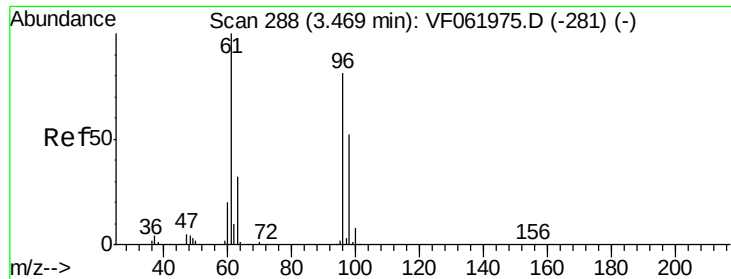
Tgt Ion: 77 Resp: 40965

Ion Ratio Lower Upper

77 100

97 18.0 10.8 32.4



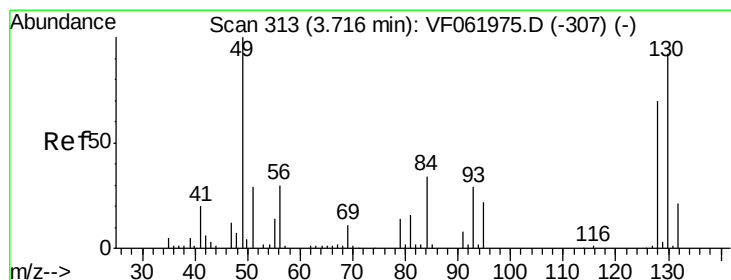
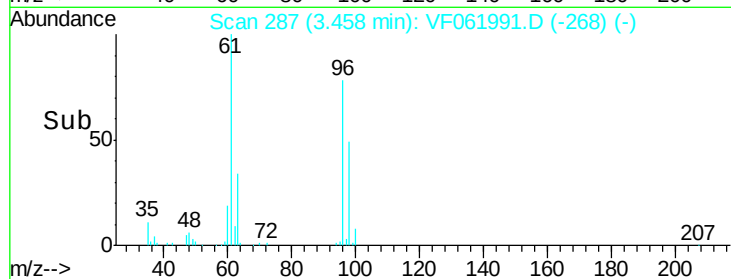
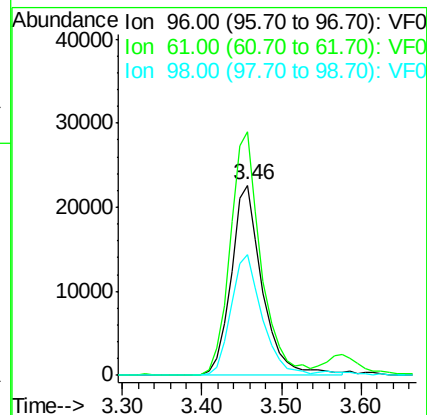
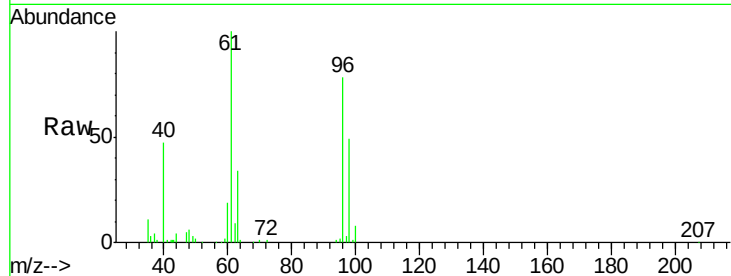


#27

cis-1,2-Dichloroethene
Concen: 20.468 ug/l
RT: 3.46 min Scan# 287
Delta R.T. -0.01 min
Lab File: VF061991.D
Acq: 18 Mar 2019 12:12

Instrument :
MSVOA_F
ClientSampleId :

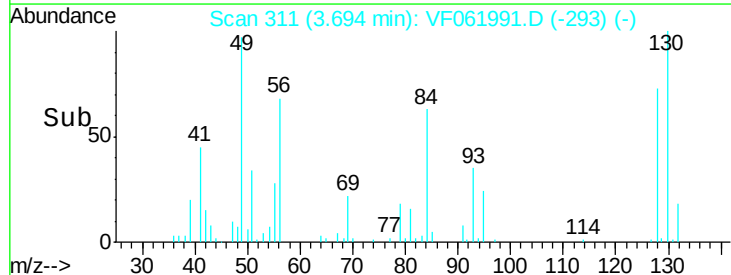
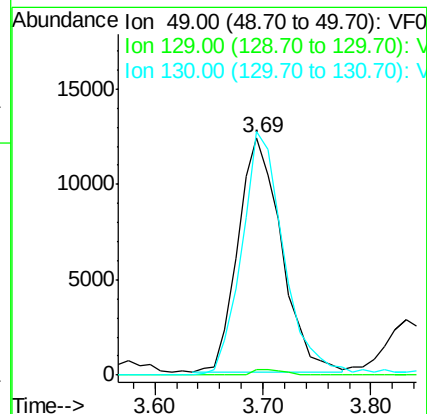
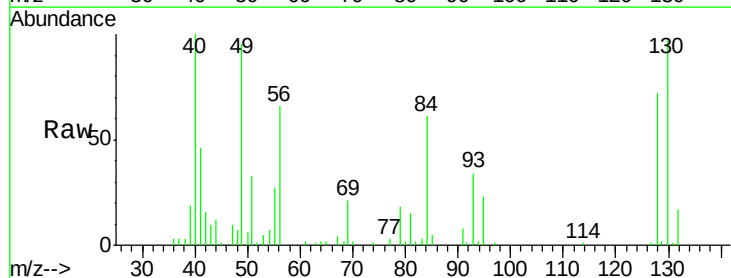
Tot Ion: 96 Resp: 61534
Ion Ratio Lower Upper
96 100
61 128.2 0.0 246.6
98 63.4 0.0 129.2

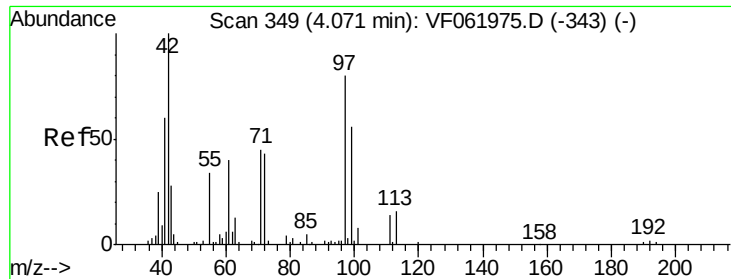


#28

Bromochloromethane
Concen: 20.122 ug/l
RT: 3.69 min Scan# 311
Delta R.T. -0.02 min
Lab File: VF061991.D
Acq: 18 Mar 2019 12:12

Tgt Ion: 49 Resp: 34071
Ion Ratio Lower Upper
49 100
129 2.5 0.0 5.8
130 102.7 73.1 109.7

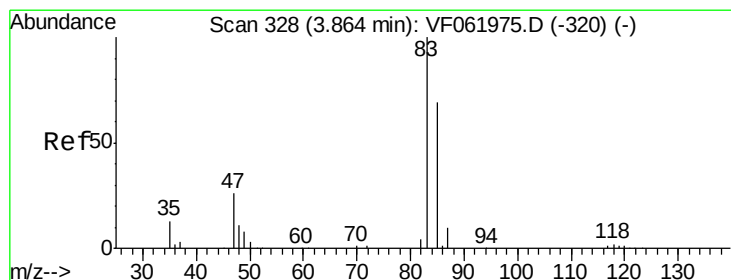
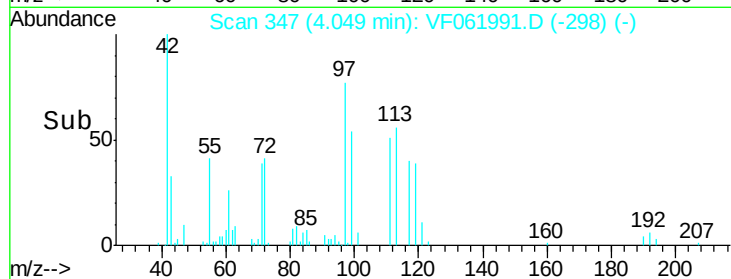
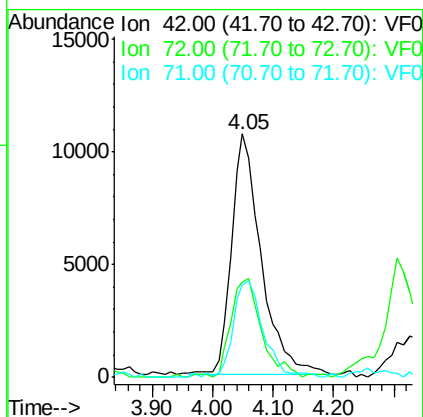
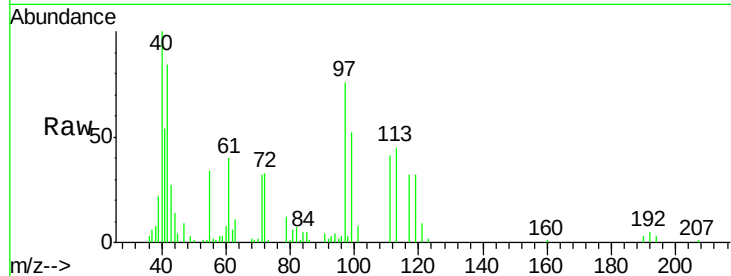




#29
Tetrahydrofuran
Concen: 97.119 ug/l
RT: 4.05 min Scan# 347
Delta R.T. -0.02 min
Lab File: VF061991.D
Acq: 18 Mar 2019 12:12

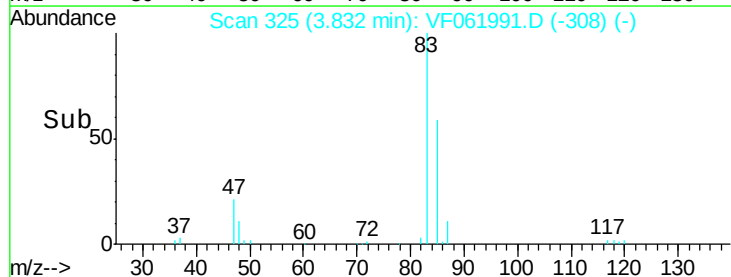
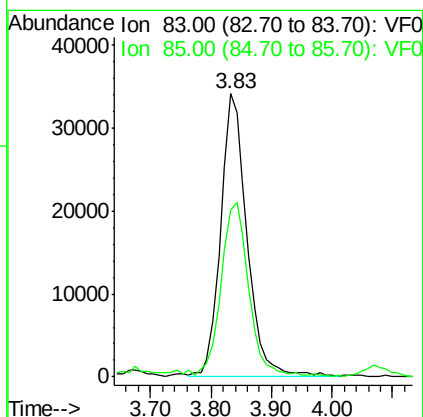
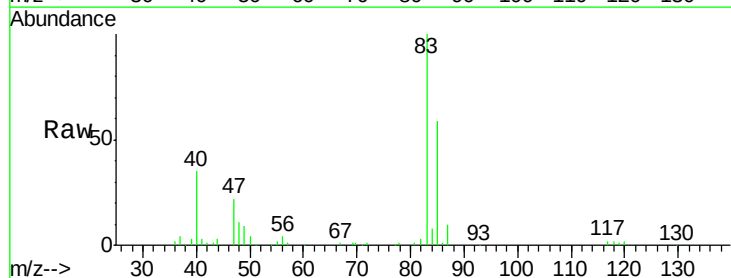
Instrument :
MSVOA_F
ClientSampleId :

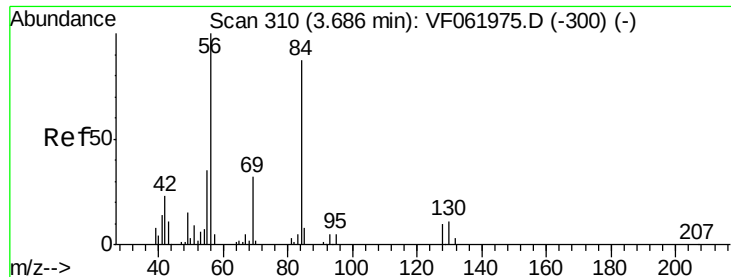
Tot Ion: 42 Resp: 36617
Ion Ratio Lower Upper
42 100
72 41.7 34.0 51.0
71 40.6 34.2 51.4



#30
Chloroform
Concen: 21.959 ug/l
RT: 3.83 min Scan# 325
Delta R.T. -0.03 min
Lab File: VF061991.D
Acq: 18 Mar 2019 12:12

Tgt Ion: 83 Resp: 101530
Ion Ratio Lower Upper
83 100
85 59.1 55.5 83.3





#31

Cyclohexane

Concen: 13.028 ug/l

RT: 3.66 min Scan# 308

Delta R.T. -0.02 min

Lab File: VF061991.D

Acq: 18 Mar 2019 12:12

Instrument :

MSVOA_F

ClientSampleId :

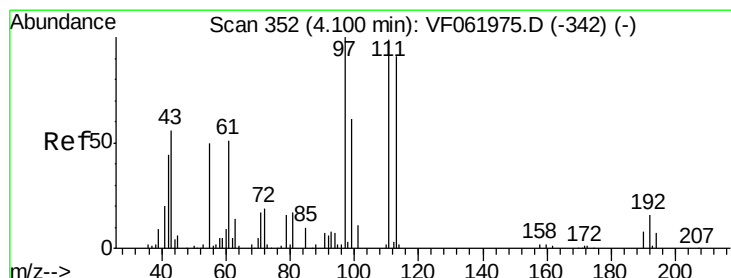
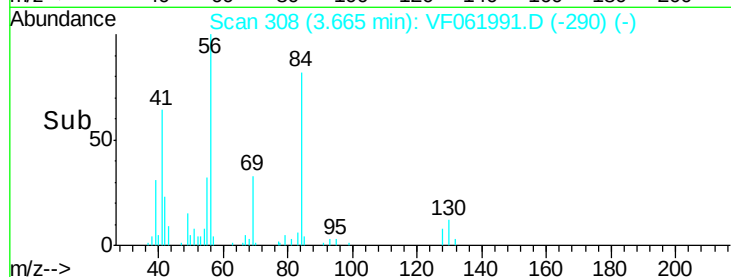
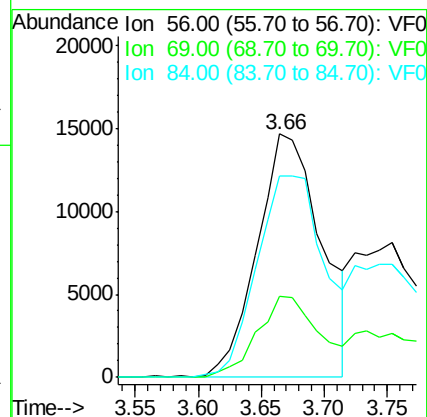
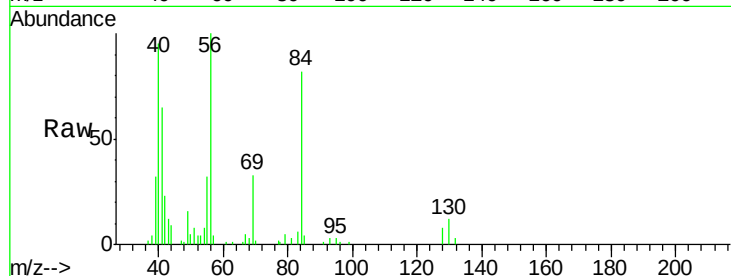
Tot Ion: 56 Resp: 52084

Ion Ratio Lower Upper

56 100

69 33.3 25.8 38.8

84 82.5 69.5 104.3



#32

1,1,1-Trichloroethane

Concen: 19.840 ug/l

RT: 4.07 min Scan# 349

Delta R.T. -0.03 min

Lab File: VF061991.D

Acq: 18 Mar 2019 12:12

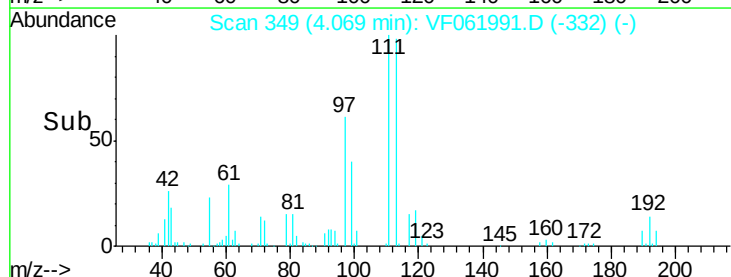
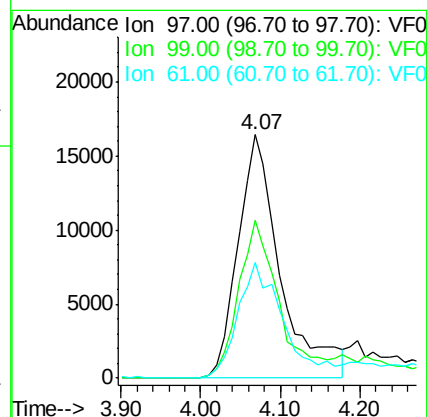
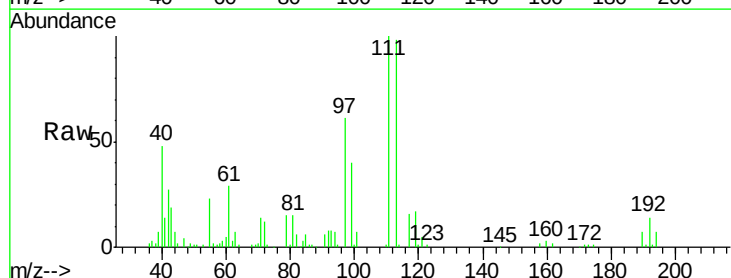
Tgt Ion: 97 Resp: 60919

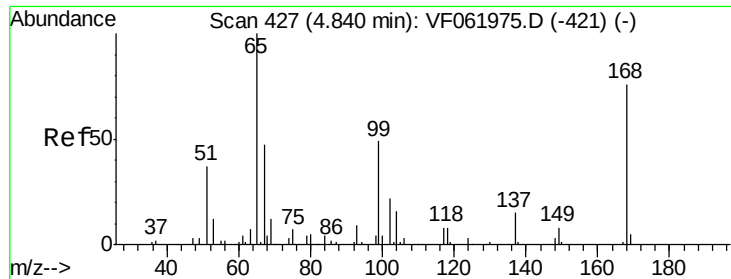
Ion Ratio Lower Upper

97 100

99 64.8 49.0 73.4

61 47.4 41.4 62.0

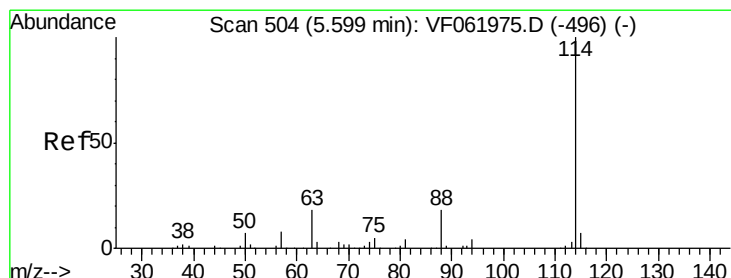
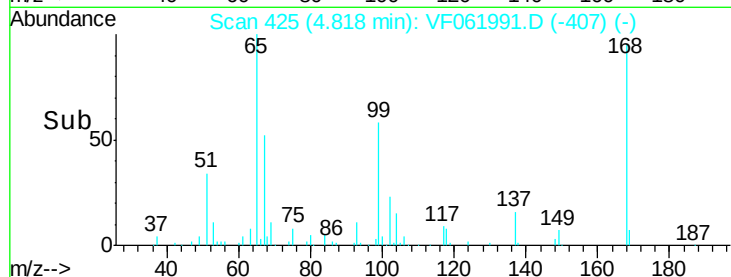
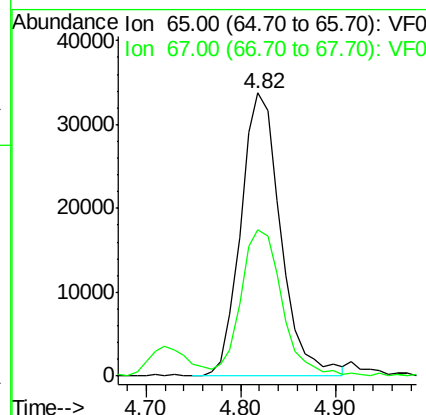
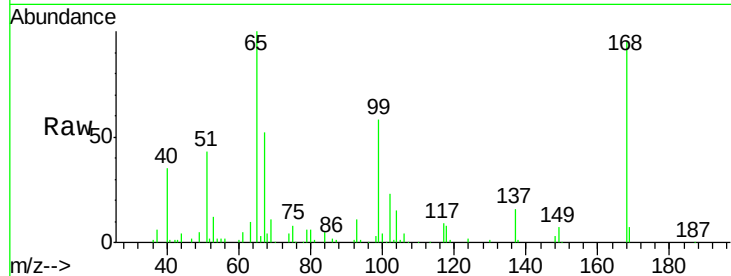




#33
 1,2-Dichloroethane-d4
 Concen: 50.882 ug/l
 RT: 4.82 min Scan# 425
 Delta R.T. -0.02 min
 Lab File: VF061991.D
 Acq: 18 Mar 2019 12:12

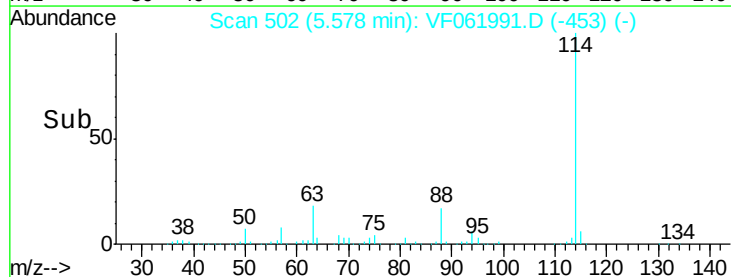
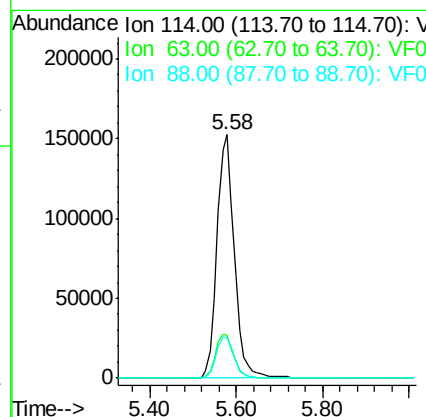
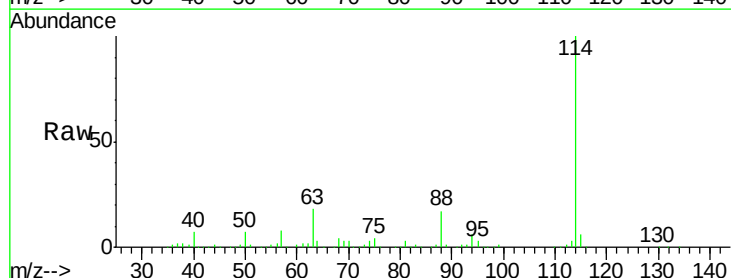
Instrument :
 MSVOA_F
 ClientSampled :

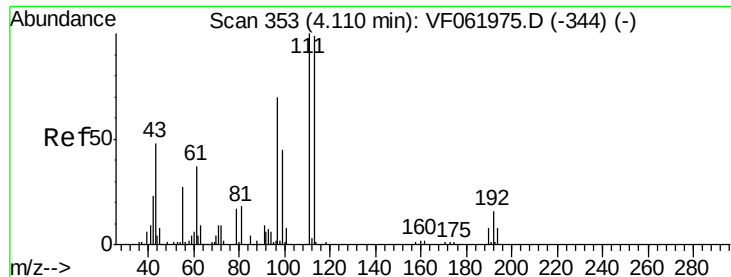
Tot Ion: 65 Resp: 99192
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 109.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.58 min Scan# 502
 Delta R.T. -0.02 min
 Lab File: VF061991.D
 Acq: 18 Mar 2019 12:12

Tgt Ion: 114 Resp: 426281
 Ion Ratio Lower Upper
 114 100
 63 17.5 0.0 36.4
 88 16.7 0.0 36.4





#35

Dibromofluoromethane

Concen: 47.912 ug/l

RT: 4.09 min Scan# 351

Delta R.T. -0.02 min

Lab File: VF061991.D

Acq: 18 Mar 2019 12:12

Instrument :
MSVOA_F
ClientSampleId :

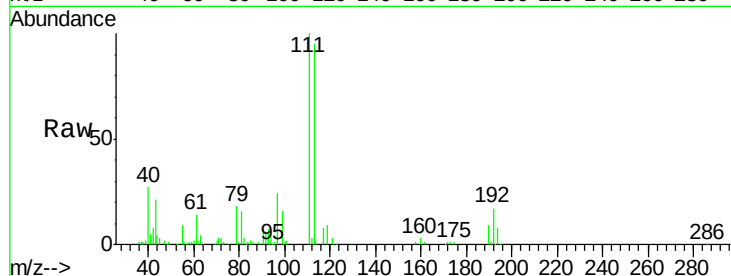
Tot Ion:113 Resp: 137150

Ion Ratio Lower Upper

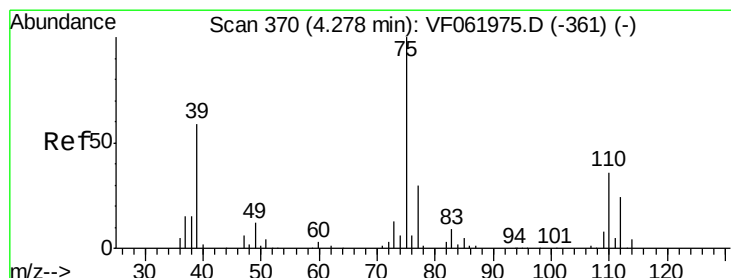
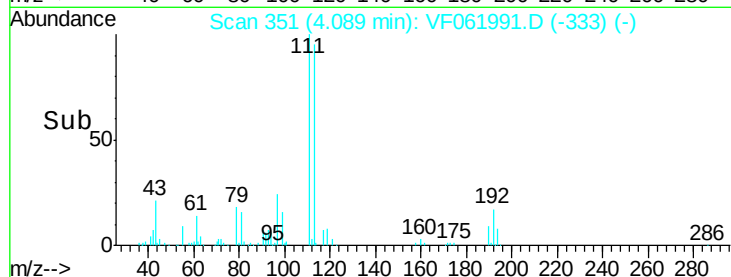
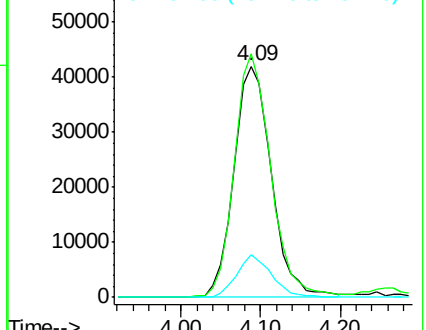
113 100

111 105.3 80.8 121.2

192 18.7 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: 20.869 ug/l

RT: 4.25 min Scan# 367

Delta R.T. -0.03 min

Lab File: VF061991.D

Acq: 18 Mar 2019 12:12

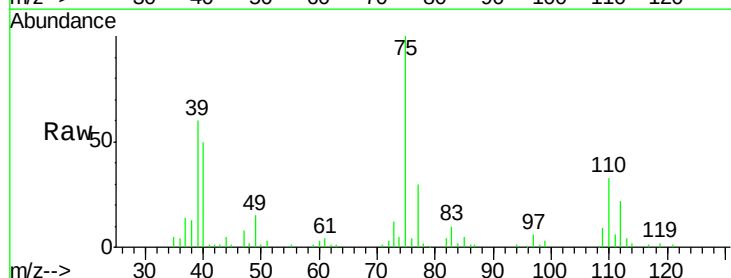
Tgt Ion: 75 Resp: 80335

Ion Ratio Lower Upper

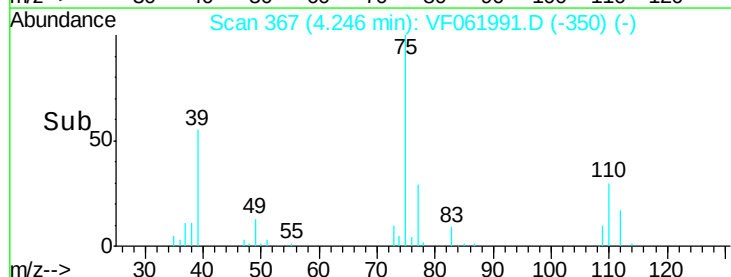
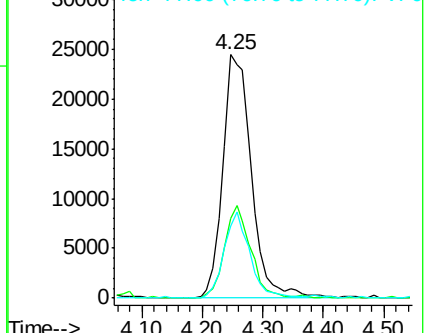
75 100

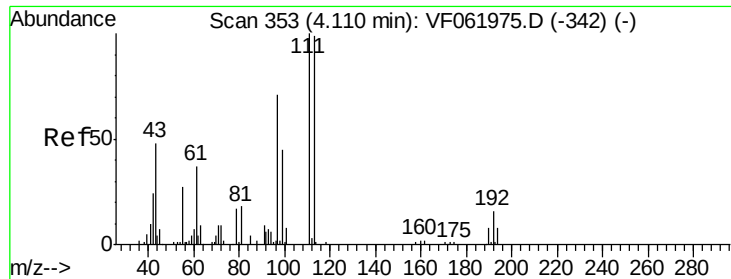
110 33.0 17.8 53.3

77 29.7 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

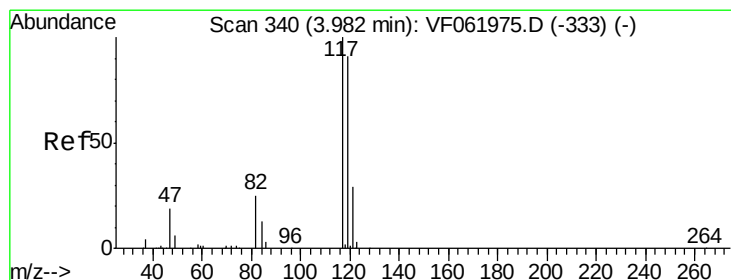
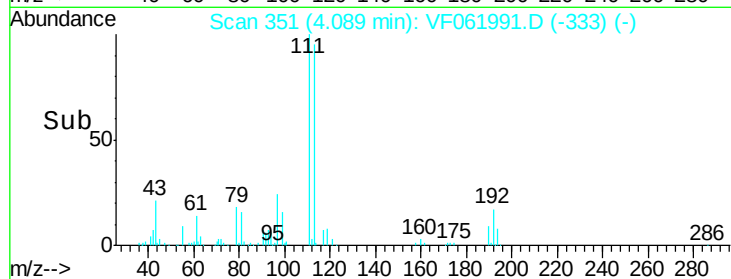
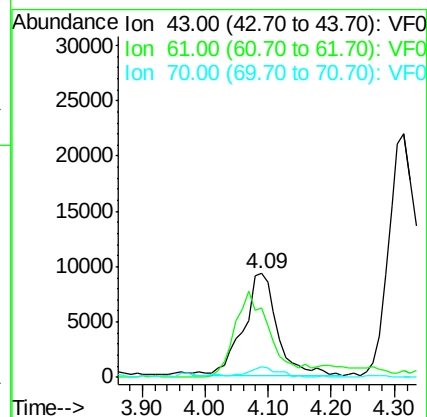
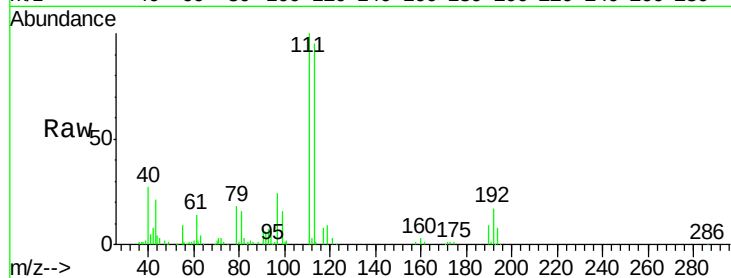




#37
Ethyl Acetate
Concen: 19.851 ug/l
RT: 4.09 min Scan# 351
Delta R.T. -0.02 min
Lab File: VF061991.D
Acq: 18 Mar 2019 12:12

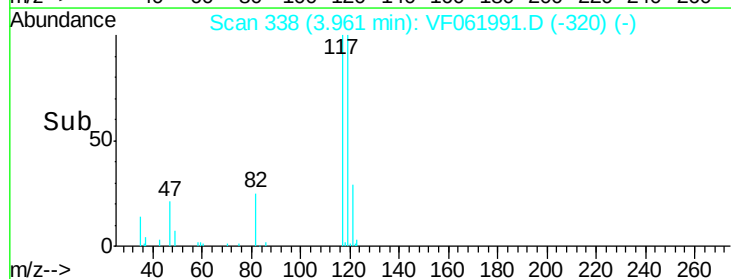
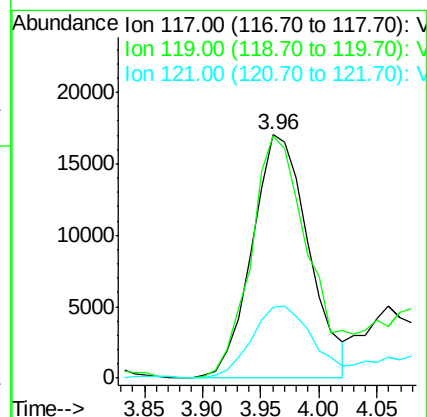
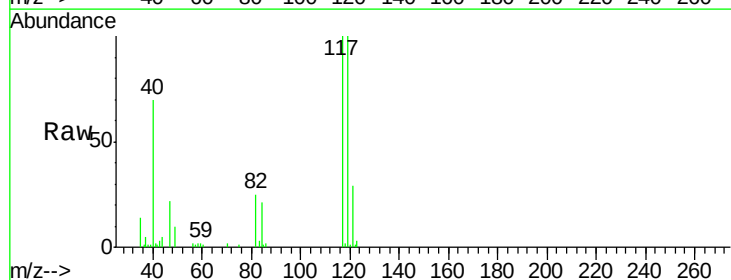
Instrument :
MSVOA_F
ClientSampleId :

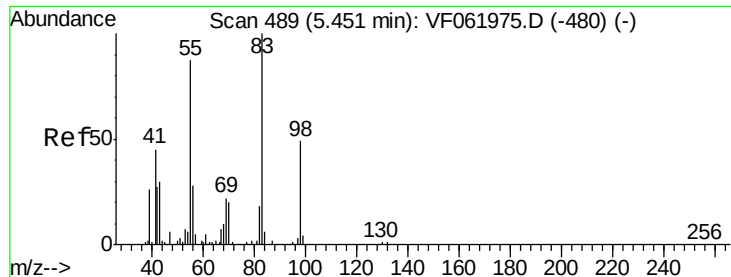
Tot Ion: 43 Resp: 34312
Ion Ratio Lower Upper
43 100
61 67.5 59.8 89.6
70 10.7 7.8 11.8



#38
Carbon Tetrachloride
Concen: 20.400 ug/l
RT: 3.96 min Scan# 338
Delta R.T. -0.02 min
Lab File: VF061991.D
Acq: 18 Mar 2019 12:12

Tgt Ion: 117 Resp: 57393
Ion Ratio Lower Upper
117 100
119 99.6 73.0 109.4
121 29.2 23.0 34.6

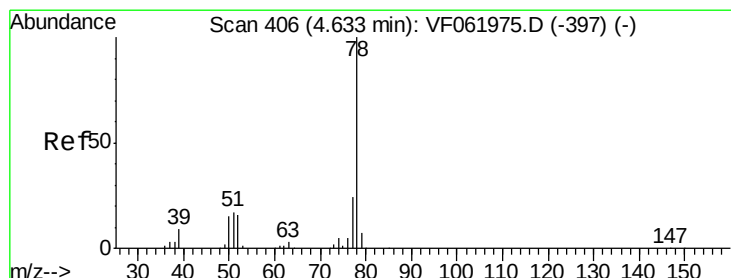
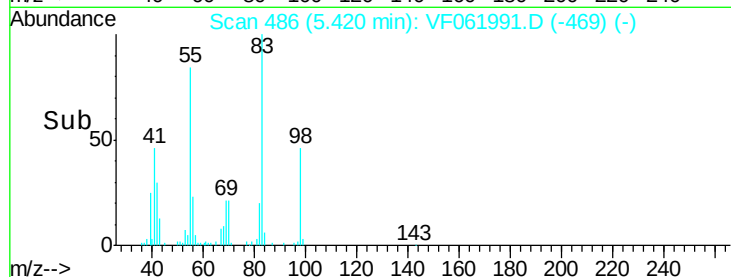
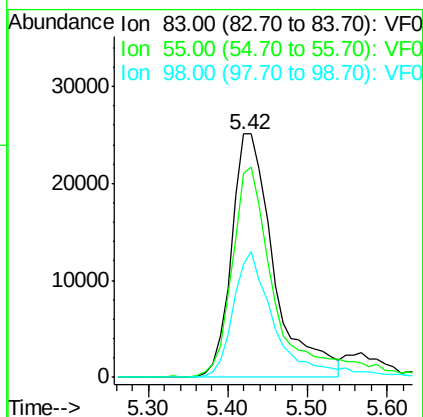
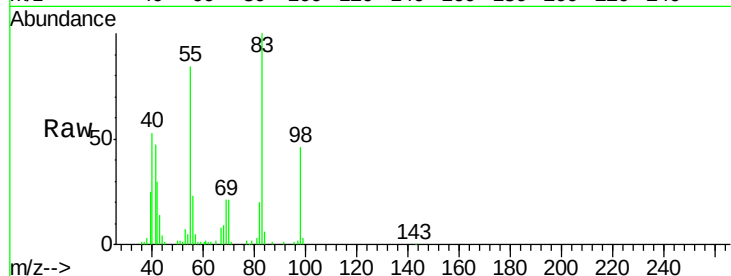




#39
Methylvlcyclohexane
Concen: 20.637 ug/l
RT: 5.42 min Scan# 486
Delta R.T. -0.03 min
Lab File: VF061991.D
Acq: 18 Mar 2019 12:12

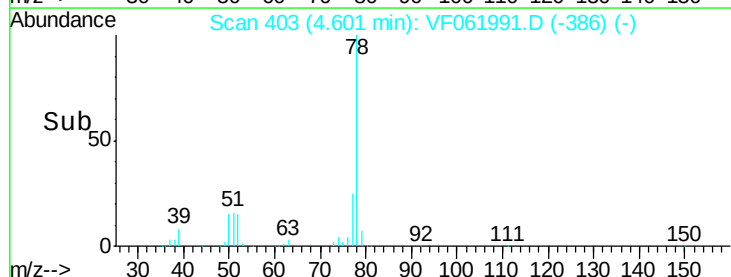
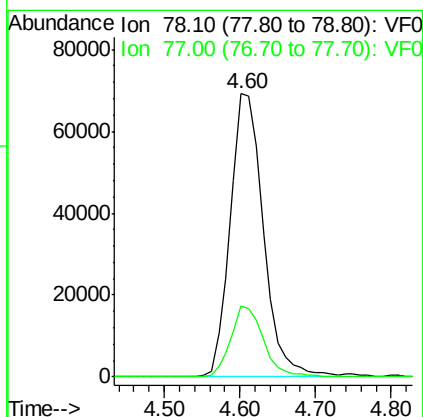
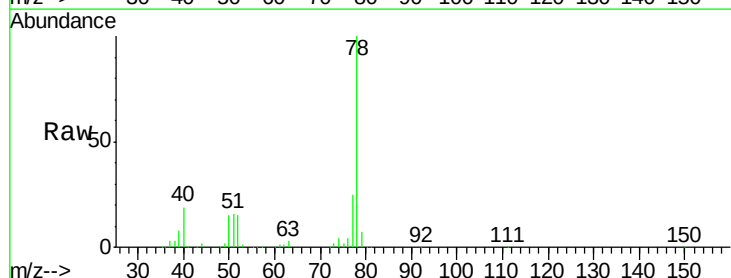
Instrument :
MSVOA_F
ClientSampleId :

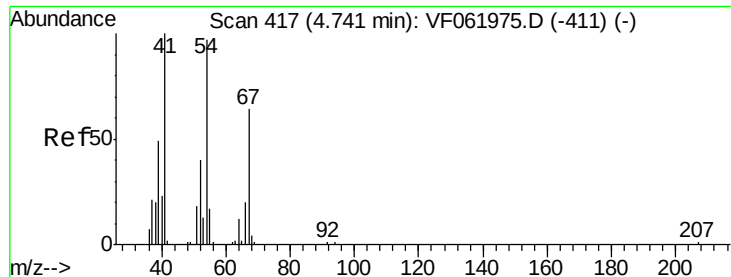
Tot Ion: 83 Resp: 93266
Ion Ratio Lower Upper
83 100
55 83.9 69.7 104.5
98 46.4 39.4 59.0



#40
Benzene
Concen: 20.580 ug/l
RT: 4.60 min Scan# 403
Delta R.T. -0.03 min
Lab File: VF061991.D
Acq: 18 Mar 2019 12:12

Tgt Ion: 78 Resp: 209921
Ion Ratio Lower Upper
78 100
77 24.9 19.0 28.4





#41

Methacrylonitrile

Concen: 17.468 ug/l

RT: 4.72 min Scan# 415

Delta R.T. -0.02 min

Lab File: VF061991.D

Acq: 18 Mar 2019 12:12

Instrument :

MSVOA_F

ClientSampleId :

Tot Ion: 41 Resp: 16131

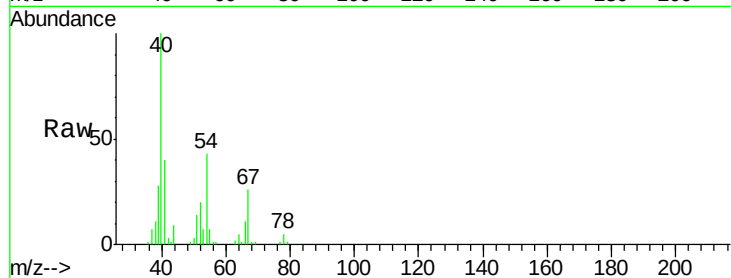
Ion Ratio Lower Upper

41 100

39 71.6 46.2 69.4#

67 66.1 49.8 74.8

52 51.6 42.7 64.1

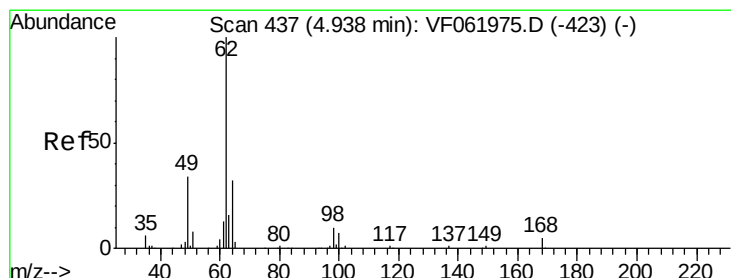
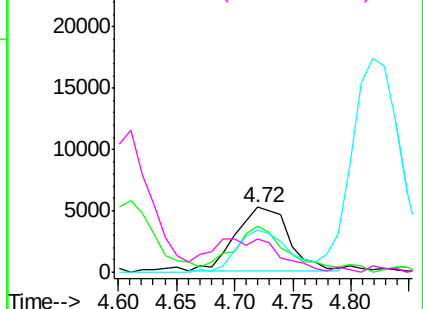
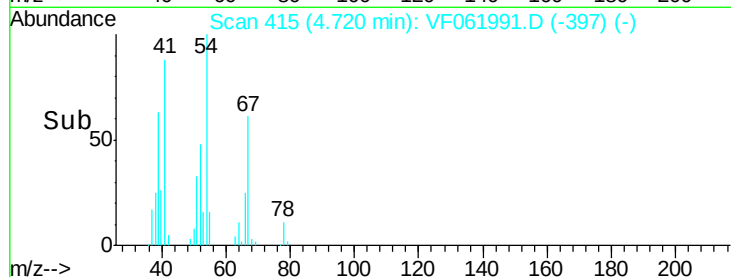


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#42

1,2-Dichloroethane

Concen: 20.906 ug/l

RT: 4.92 min Scan# 435

Delta R.T. -0.02 min

Lab File: VF061991.D

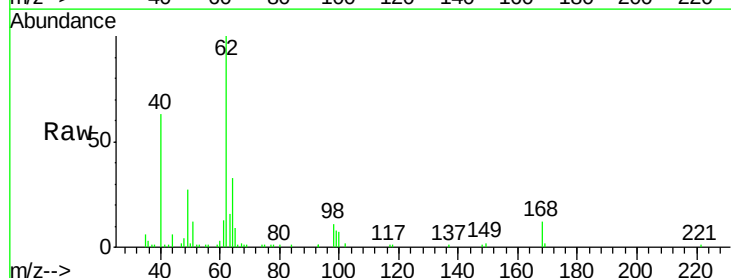
Acq: 18 Mar 2019 12:12

Tgt Ion: 62 Resp: 53085

Ion Ratio Lower Upper

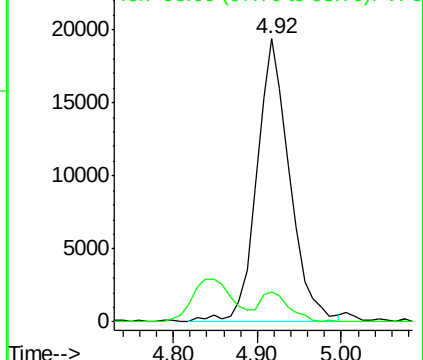
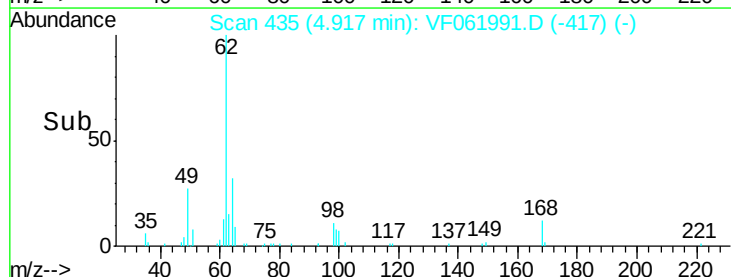
62 100

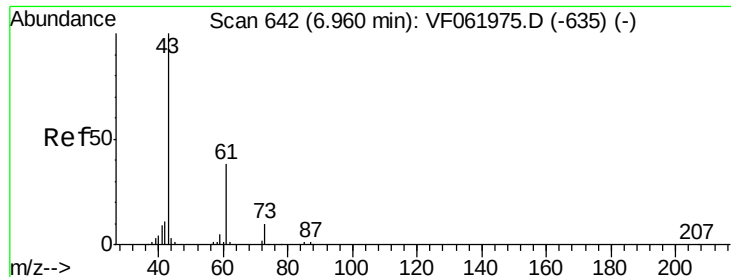
98 10.7 0.0 19.8



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#43

Isopropyl Acetate

Concen: 18.654 ug/l

RT: 6.94 min Scan# 640

Delta R.T. -0.02 min

Lab File: VF061991.D

Acq: 18 Mar 2019 12:12

Instrument :

MSVOA_F

ClientSampleId :

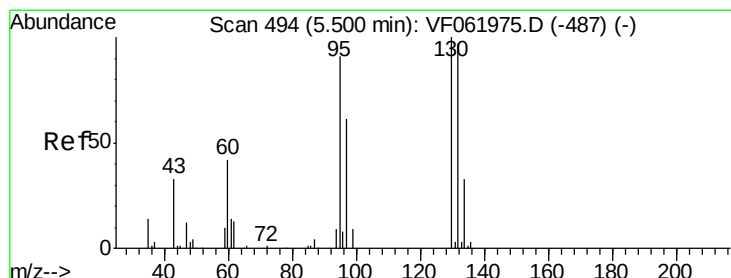
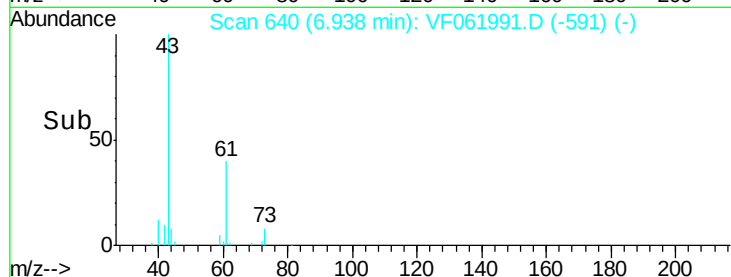
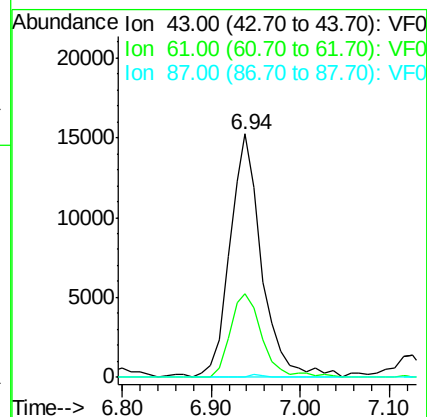
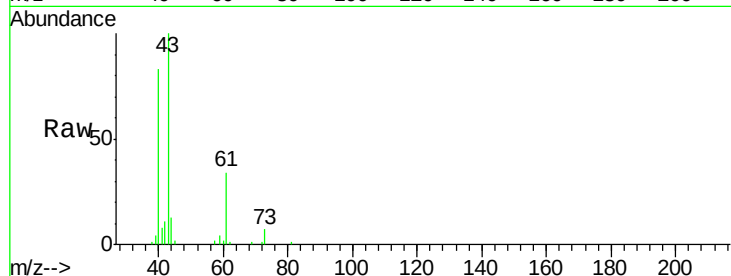
Tot Ion: 43 Resp: 38149

Ion Ratio Lower Upper

43 100

61 34.1 30.1 45.1

87 0.0 0.4 0.6#



#44

Trichloroethene

Concen: 21.255 ug/l

RT: 5.48 min Scan# 492

Delta R.T. -0.02 min

Lab File: VF061991.D

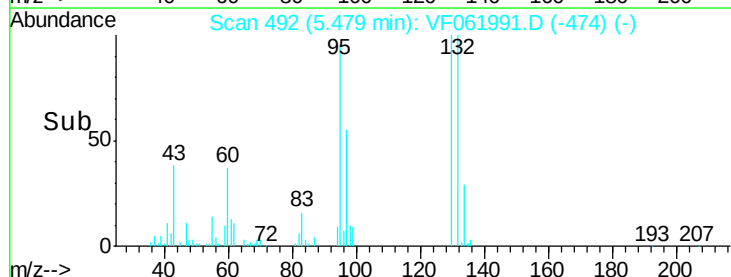
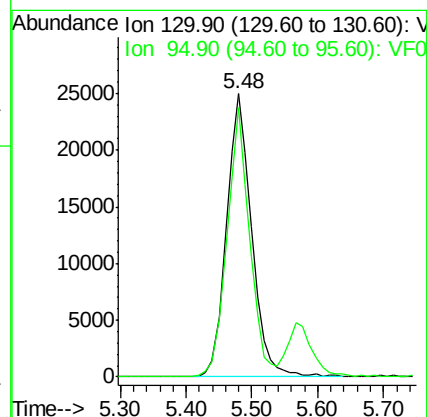
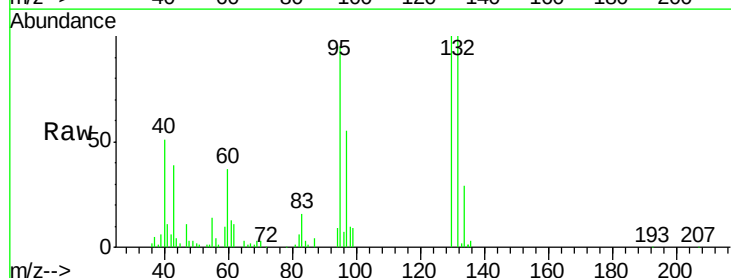
Acq: 18 Mar 2019 12:12

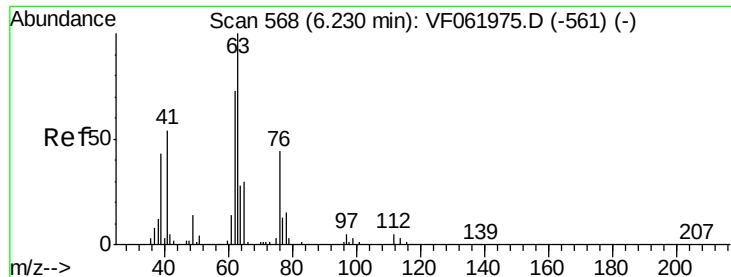
Tgt Ion: 130 Resp: 66415

Ion Ratio Lower Upper

130 100

95 94.9 0.0 181.4





#45

1,2-Dichloropropane

Concen: 20.664 ug/l

RT: 6.21 min Scan# 566

Delta R.T. -0.02 min

Lab File: VF061991.D

Acq: 18 Mar 2019 12:12

Instrument :

MSVOA_F

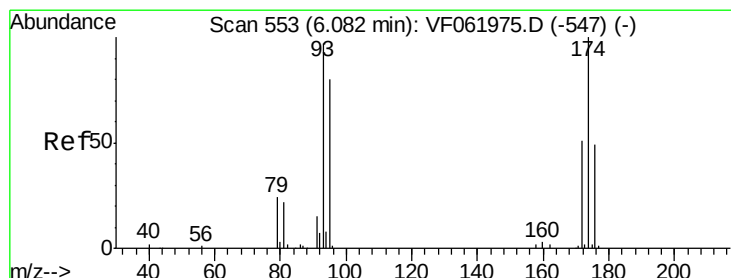
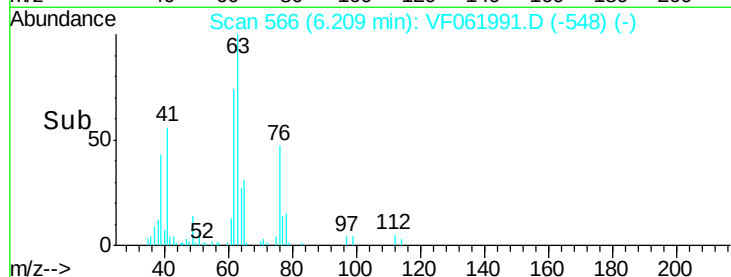
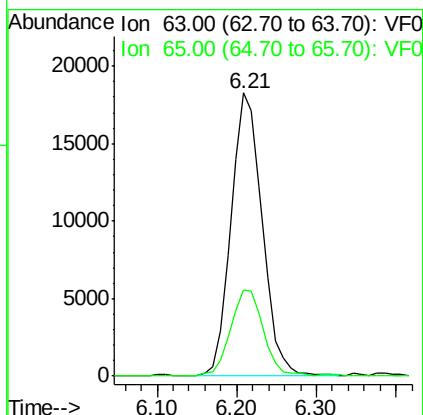
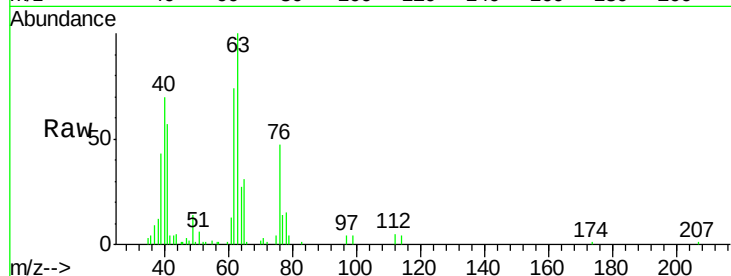
ClientSampleId :

Tot Ion: 63 Resp: 49883

Ion Ratio Lower Upper

63 100

65 30.5 23.7 35.5



#46

Dibromomethane

Concen: 20.399 ug/l

RT: 6.06 min Scan# 551

Delta R.T. -0.02 min

Lab File: VF061991.D

Acq: 18 Mar 2019 12:12

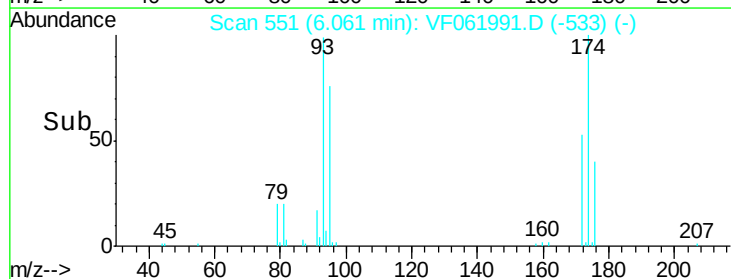
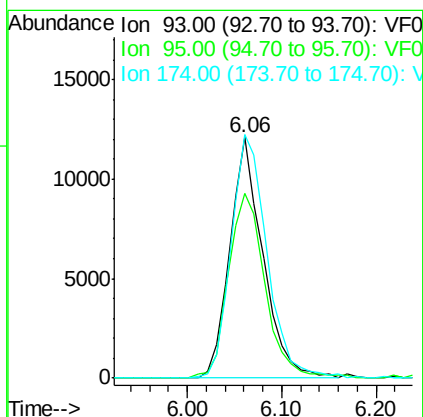
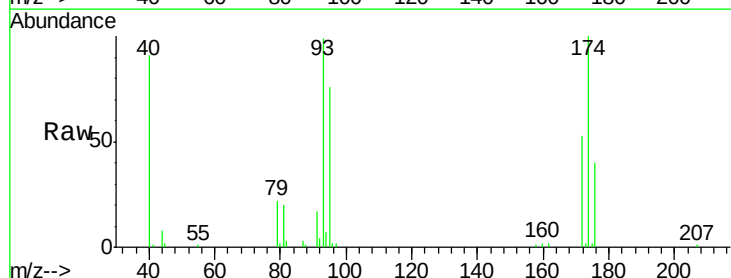
Tgt Ion: 93 Resp: 29293

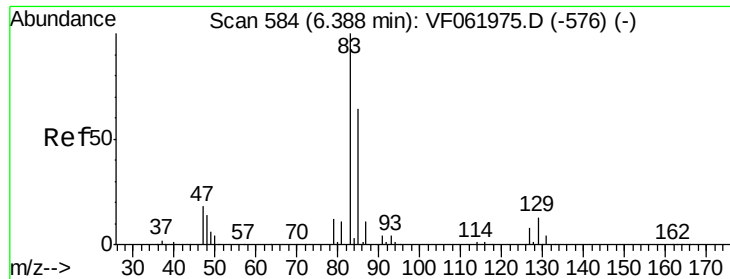
Ion Ratio Lower Upper

93 100

95 76.6 65.7 98.5

174 101.1 82.2 123.4





#47

Bromodichloromethane

Concen: 20.651 ug/l

RT: 6.36 min Scan# 581

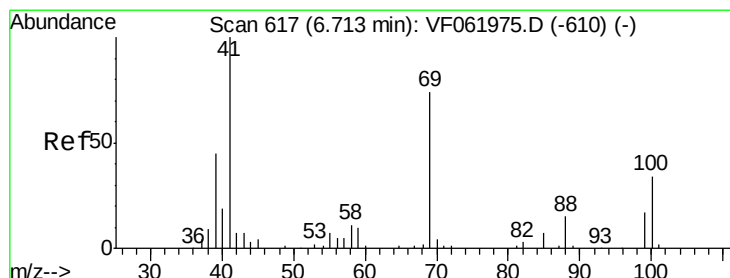
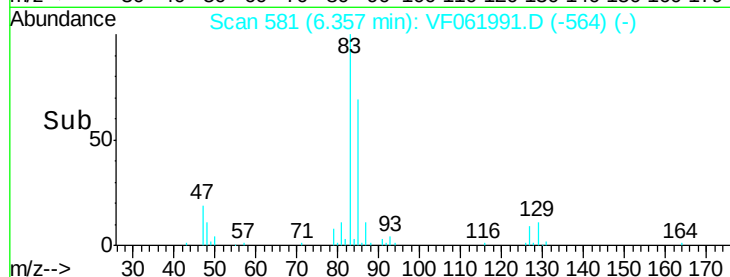
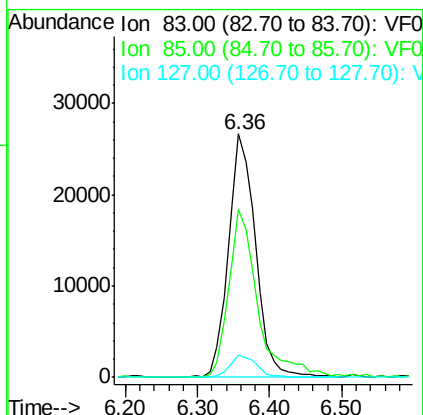
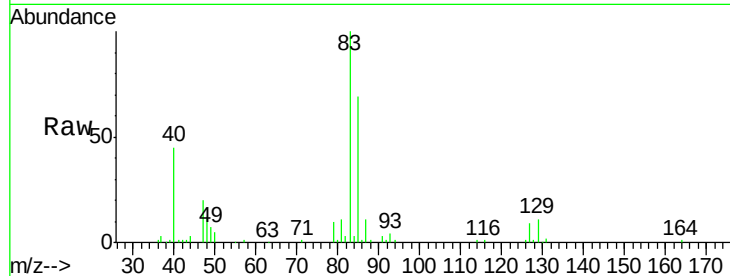
Delta R.T. -0.03 min

Lab File: VF061991.D

Acq: 18 Mar 2019 12:12

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	83	Resp:	69915
Ion	Ratio	Lower	Upper
83	100		
85	69.1	51.4	77.2
127	9.1	6.5	9.7



#48

Methyl methacrylate

Concen: 20.082 ug/l

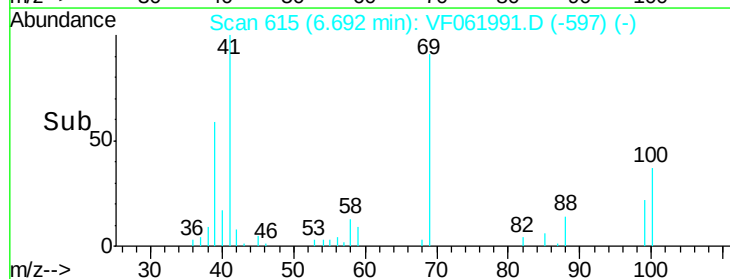
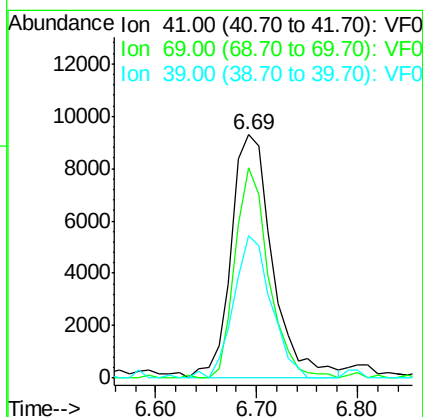
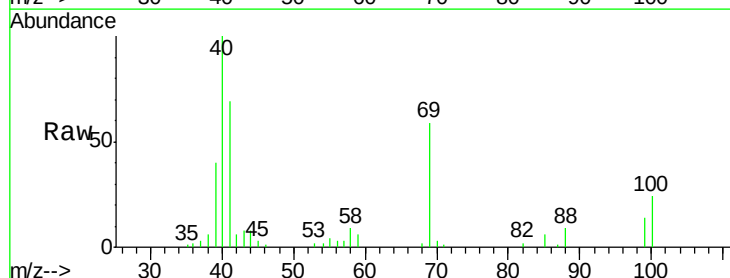
RT: 6.69 min Scan# 615

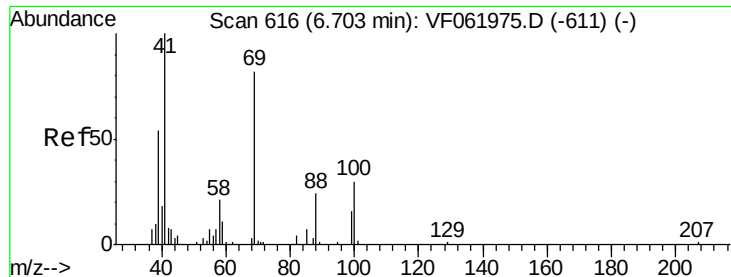
Delta R.T. -0.02 min

Lab File: VF061991.D

Acq: 18 Mar 2019 12:12

Tgt Ion:	41	Resp:	26543
Ion	Ratio	Lower	Upper
41	100		
69	86.1	59.0	88.6
39	58.6	35.6	53.4





#49

1,4-Dioxane

Concen: 389.738 ug/l

RT: 6.68 min Scan# 614

Delta R.T. -0.02 min

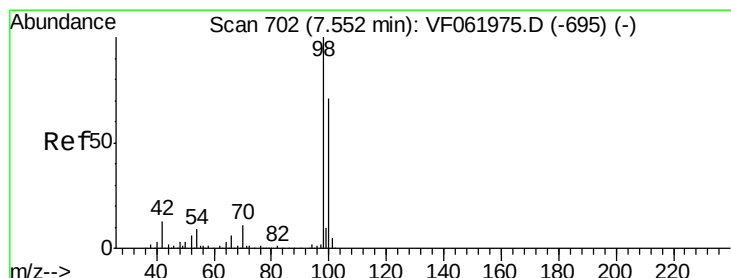
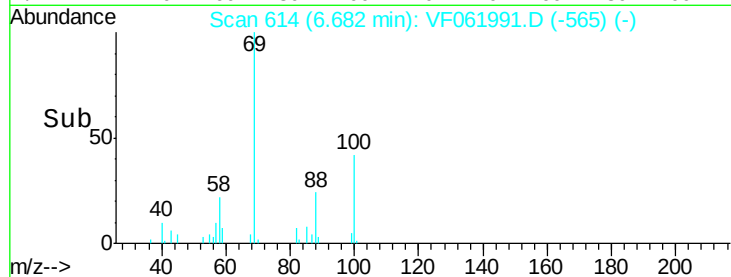
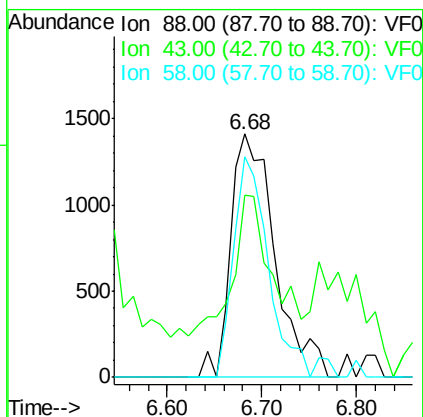
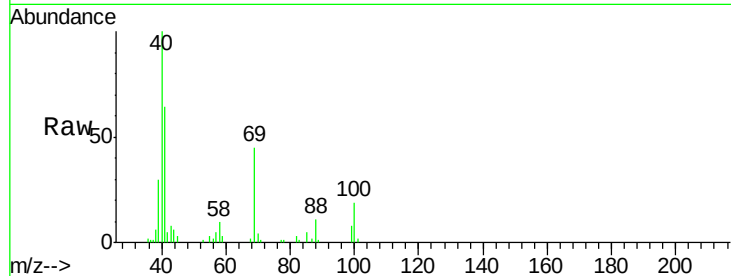
Lab File: VF061991.D

Acq: 18 Mar 2019 12:12

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 88 Resp: 4582

Ion	Ratio	Lower	Upper
88	100		
43	74.6	31.2	46.8#
58	90.7	69.9	104.9



#50

Toluene-d8

Concen: 47.805 ug/l

RT: 7.53 min Scan# 700

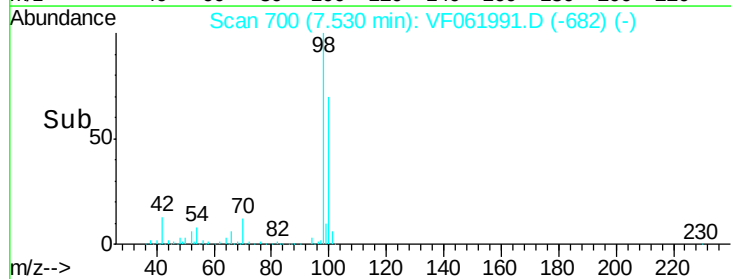
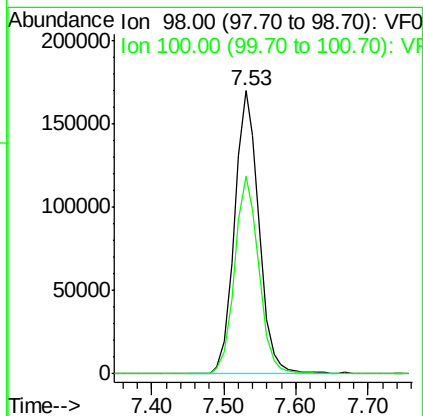
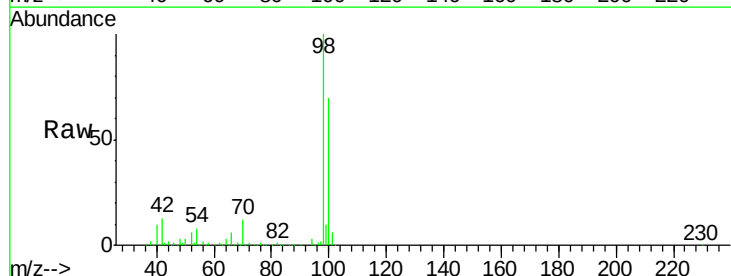
Delta R.T. -0.02 min

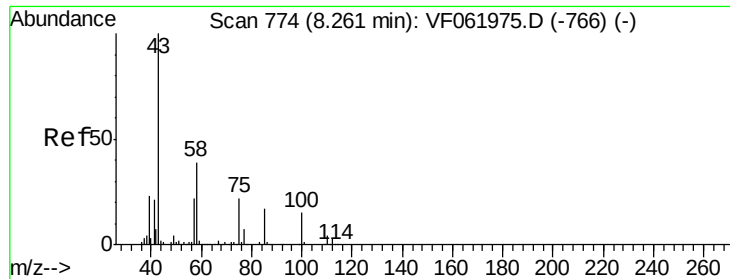
Lab File: VF061991.D

Acq: 18 Mar 2019 12:12

Tgt Ion: 98 Resp: 400040

Ion	Ratio	Lower	Upper
98	100		
100	70.0	56.8	85.2





#51

4-Methyl-2-Pentanone

Concen: 98.203 ug/l

RT: 8.24 min Scan# 772

Delta R.T. -0.02 min

Lab File: VF061991.D

Acq: 18 Mar 2019 12:12

Instrument :

MSVOA_F

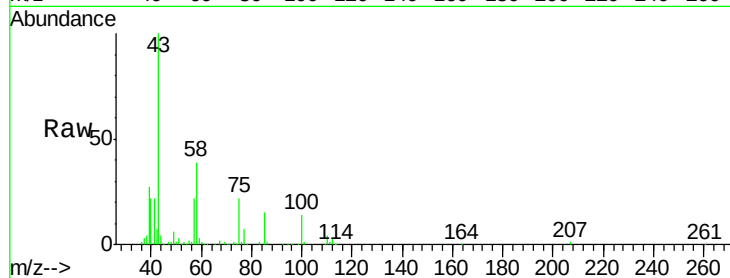
ClientSampleId :

Tot Ion: 43 Resp: 142613

Ion Ratio Lower Upper

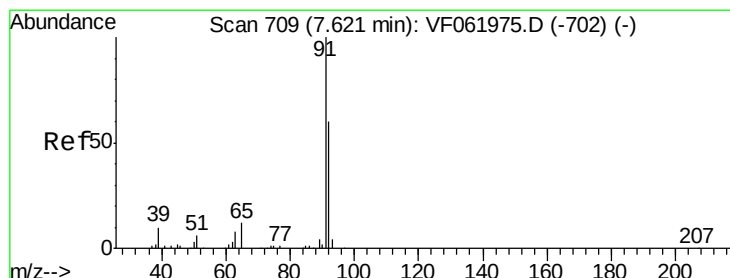
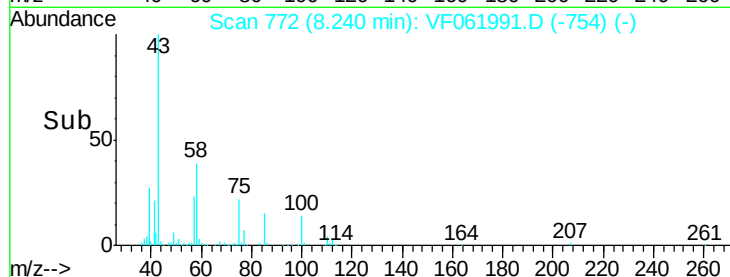
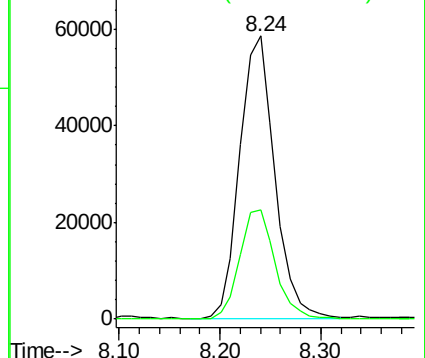
43 100

58 38.8 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: 19.649 ug/l

RT: 7.60 min Scan# 707

Delta R.T. -0.02 min

Lab File: VF061991.D

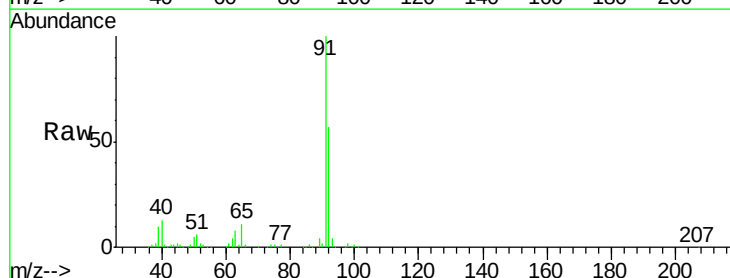
Acq: 18 Mar 2019 12:12

Tgt Ion: 92 Resp: 122459

Ion Ratio Lower Upper

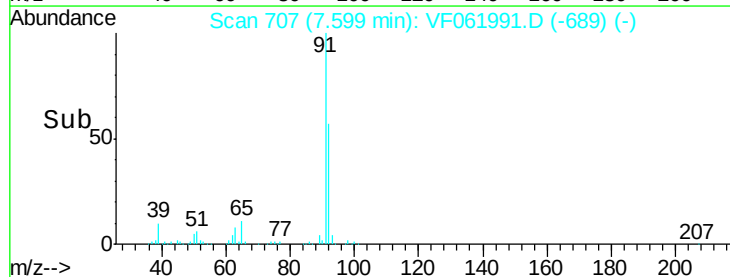
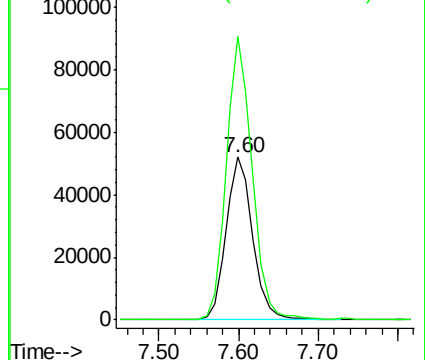
92 100

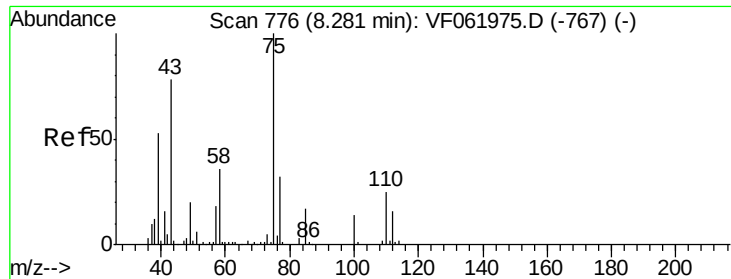
91 174.0 134.0 201.0



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

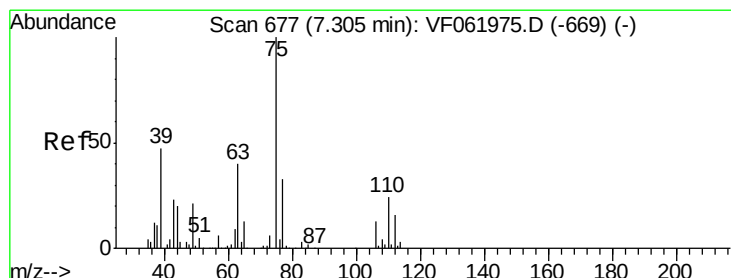
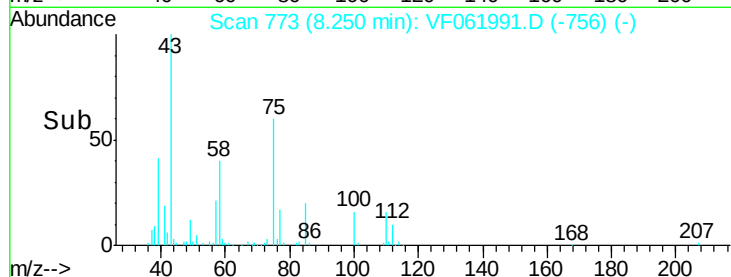
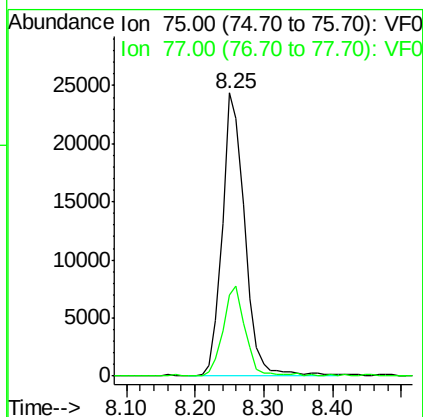
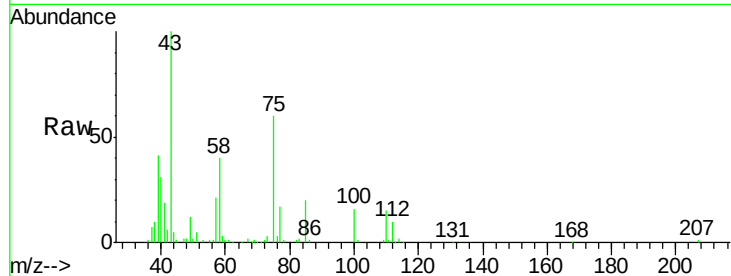




#53
 t-1,3-Dichloropropene
 Concen: 19.374 ug/l
 RT: 8.25 min Scan# 773
 Delta R.T. -0.03 min
 Lab File: VF061991.D
 Acq: 18 Mar 2019 12:12

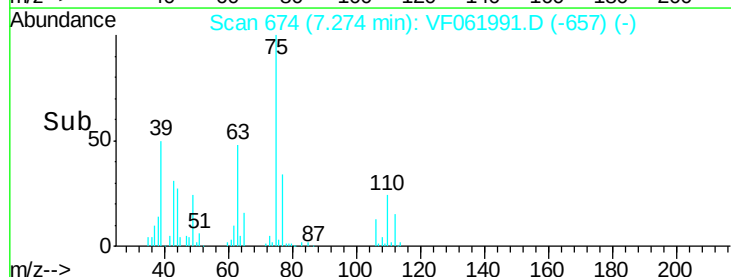
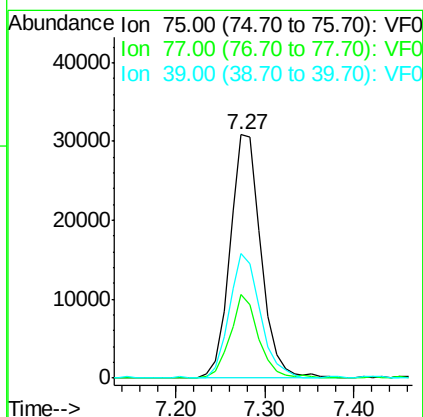
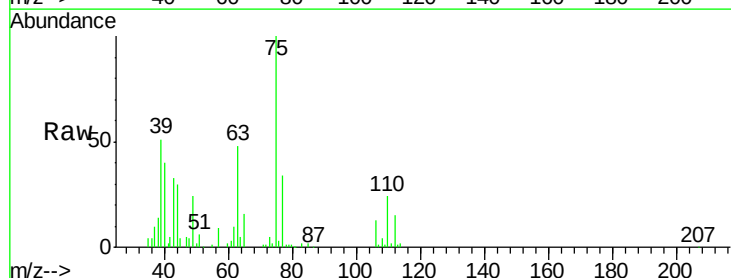
Instrument :
 MSVOA_F
 ClientSampled :

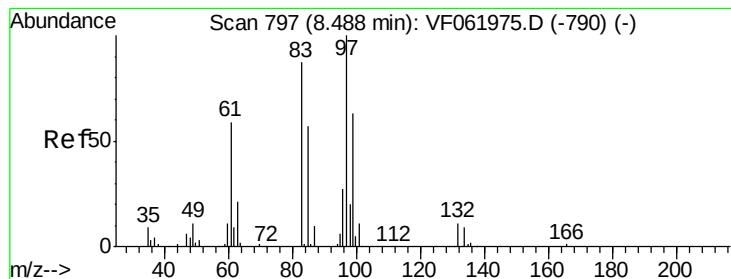
Tot Ion: 75 Resp: 55375
 Ion Ratio Lower Upper
 75 100
 77 28.5 25.5 38.3



#54
 cis-1,3-Dichloropropene
 Concen: 20.118 ug/l
 RT: 7.27 min Scan# 674
 Delta R.T. -0.03 min
 Lab File: VF061991.D
 Acq: 18 Mar 2019 12:12

Tgt Ion: 75 Resp: 75028
 Ion Ratio Lower Upper
 75 100
 77 34.3 26.4 39.6
 39 51.3 38.0 57.0





#55

1,1,2-Trichloroethane

Concen: 19.077 ug/l

RT: 8.47 min Scan# 795

Delta R.T. -0.02 min

Lab File: VF061991.D

Acq: 18 Mar 2019 12:12

Instrument :

MSVOA_F

ClientSampled :

Tot Ion: 97 Resp: 33183

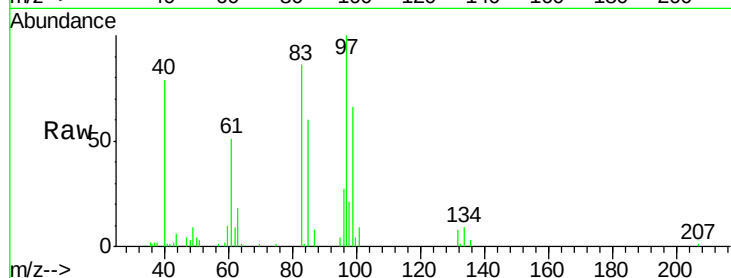
Ion Ratio Lower Upper

97 100

83 85.8 69.7 104.5

85 60.2 45.8 68.6

99 65.6 50.3 75.5

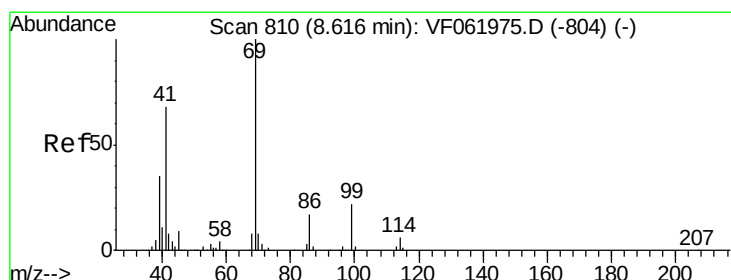
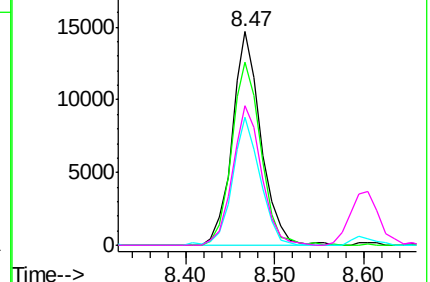
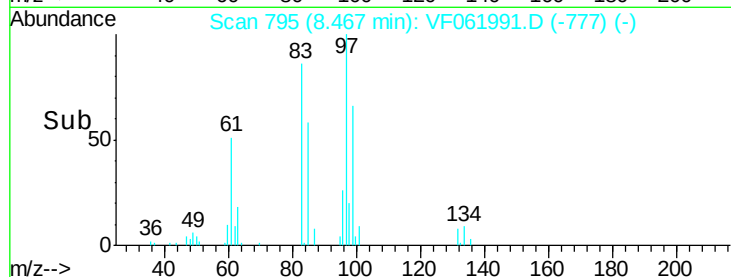


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 18.968 ug/l

RT: 8.60 min Scan# 808

Delta R.T. -0.02 min

Lab File: VF061991.D

Acq: 18 Mar 2019 12:12

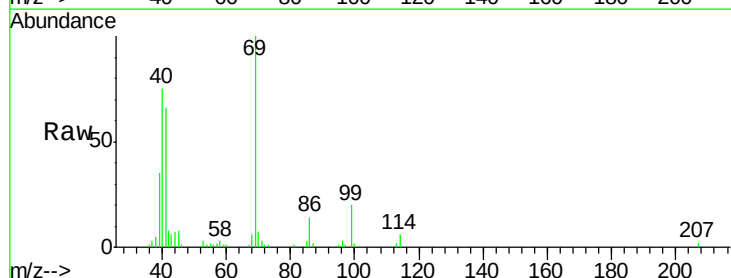
Tgt Ion: 69 Resp: 37506

Ion Ratio Lower Upper

69 100

41 65.7 54.7 82.1

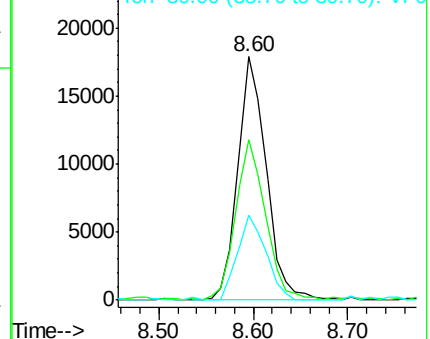
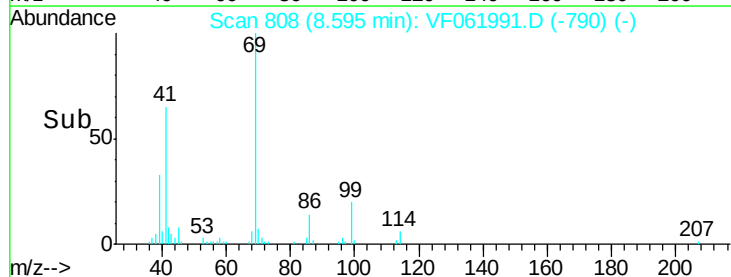
39 34.7 27.9 41.9

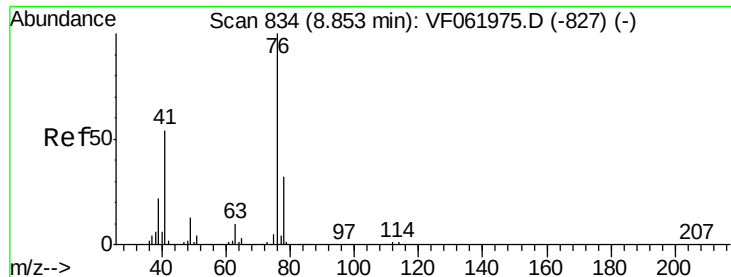


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 19.365 ug/l

RT: 8.83 min Scan# 832

Delta R.T. -0.02 min

Lab File: VF061991.D

Acq: 18 Mar 2019 12:12

Instrument :

MSVOA_F

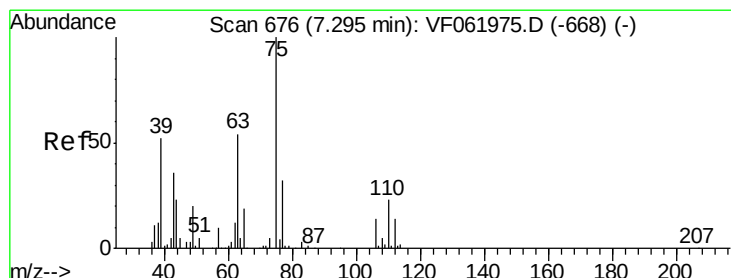
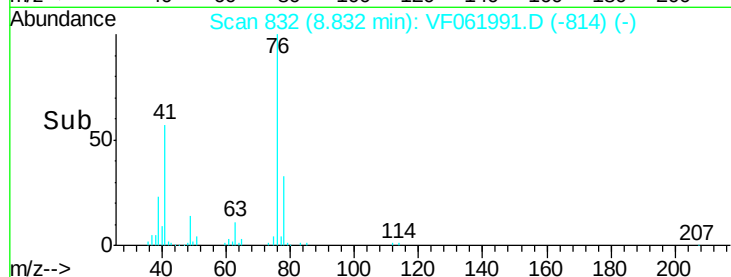
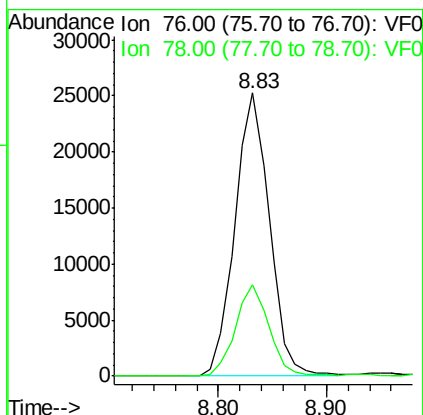
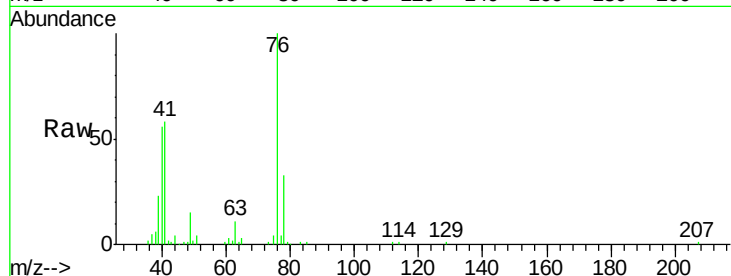
ClientSampled :

Tot Ion: 76 Resp: 56189

Ion Ratio Lower Upper

76 100

78 32.5 25.4 38.2



#58

2-Chloroethyl Vinyl ether

Concen: 96.529 ug/l

RT: 7.27 min Scan# 674

Delta R.T. -0.02 min

Lab File: VF061991.D

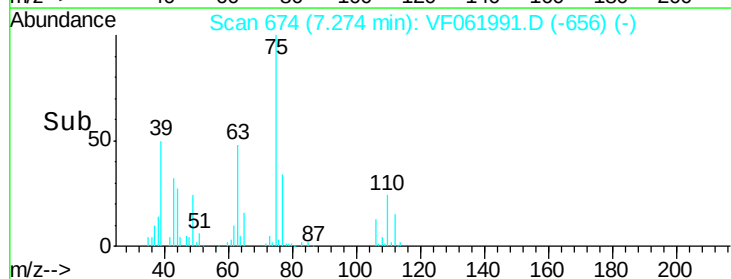
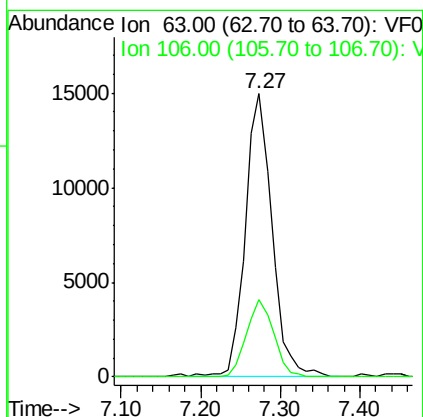
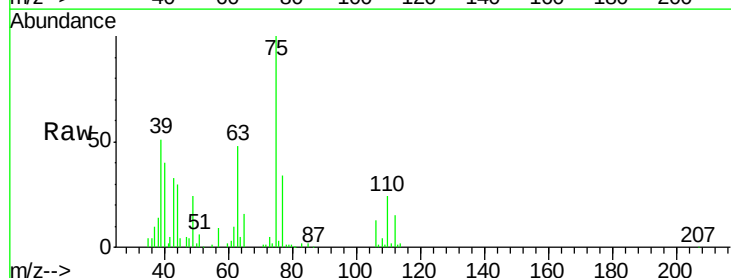
Acq: 18 Mar 2019 12:12

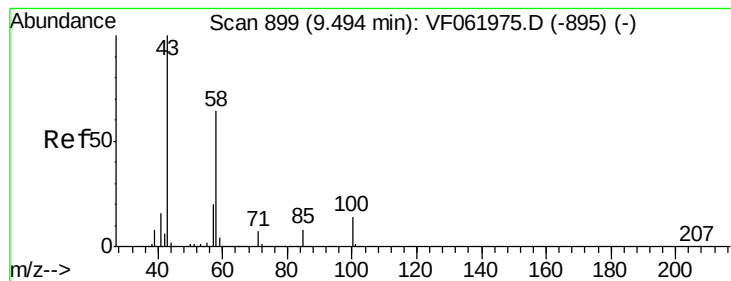
Tgt Ion: 63 Resp: 34572

Ion Ratio Lower Upper

63 100

106 27.5 20.9 31.3





#59

2-Hexanone

Concen: 110.658 ug/l

RT: 9.47 min Scan# 897

Delta R.T. -0.02 min

Lab File: VF061991.D

Acq: 18 Mar 2019 12:12

Instrument :

MSVOA_F

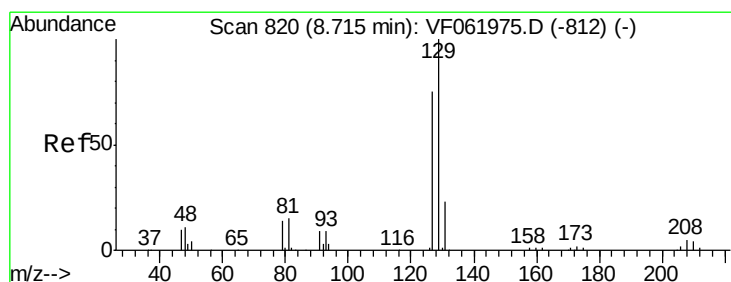
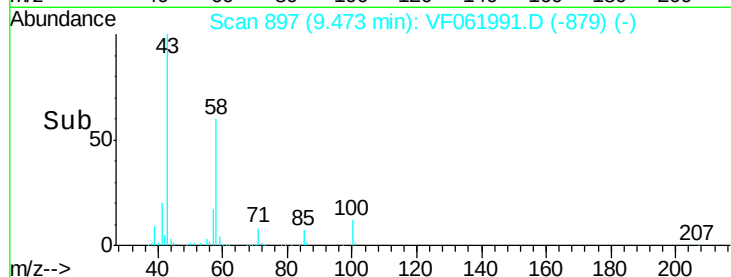
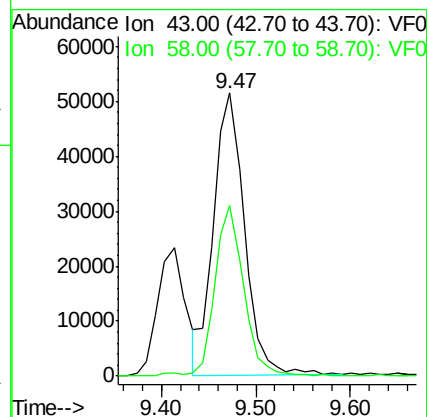
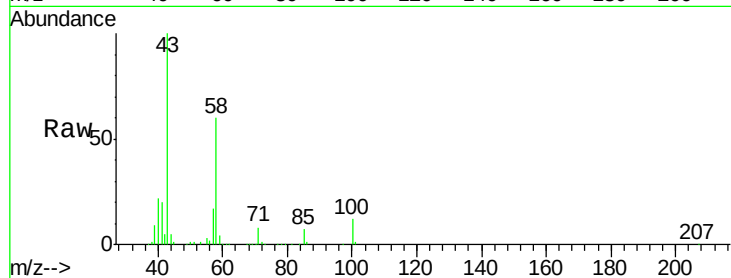
ClientSampled :

Tot Ion: 43 Resp: 116300

Ion Ratio Lower Upper

43 100

58 60.1 28.4 85.2



#60

Dibromochloromethane

Concen: 20.979 ug/l

RT: 8.69 min Scan# 818

Delta R.T. -0.02 min

Lab File: VF061991.D

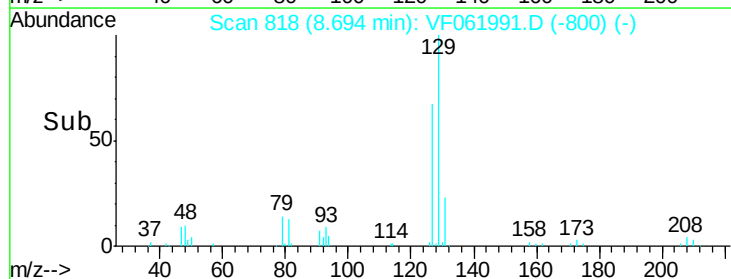
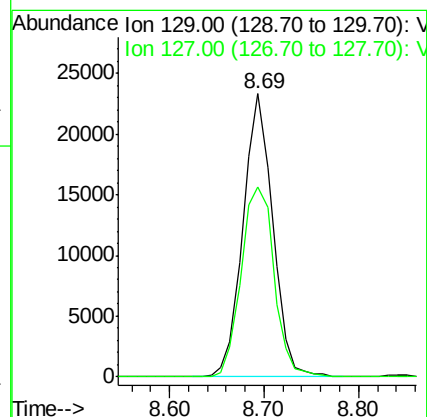
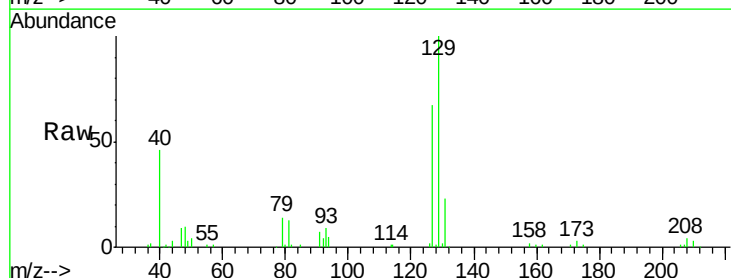
Acq: 18 Mar 2019 12:12

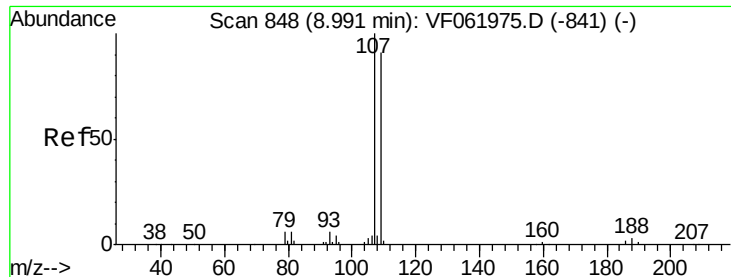
Tgt Ion: 129 Resp: 50661

Ion Ratio Lower Upper

129 100

127 67.1 37.3 111.8





#61

1,2-Dibromoethane

Concen: 19.867 ug/l

RT: 8.96 min Scan# 845

Delta R.T. -0.03 min

Lab File: VF061991.D

Acq: 18 Mar 2019 12:12

Instrument :

MSVOA_F

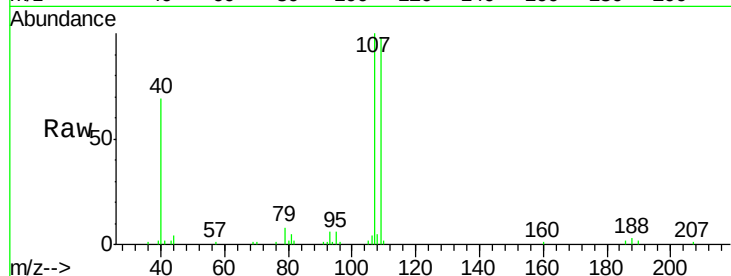
ClientSampleId :

Tot Ion:107 Resp: 37069

Ion Ratio Lower Upper

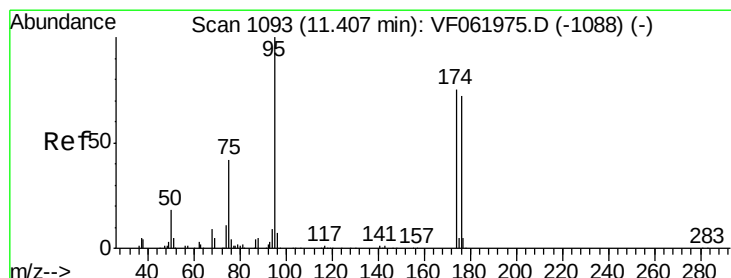
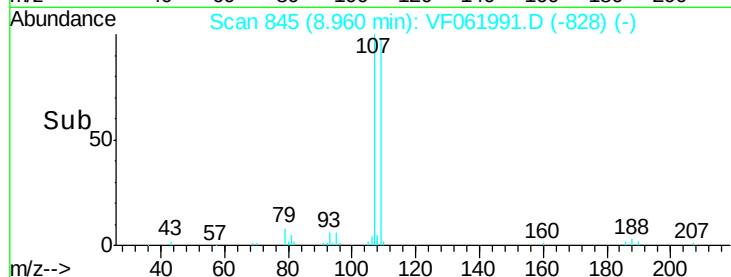
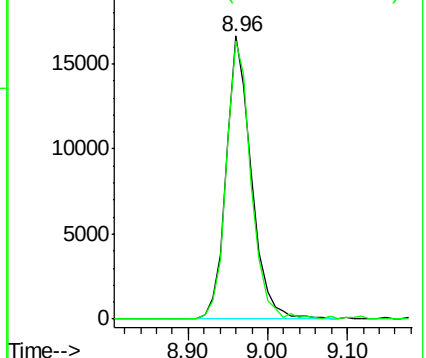
107 100

109 98.4 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: 46.926 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.01 min

Lab File: VF061991.D

Acq: 18 Mar 2019 12:12

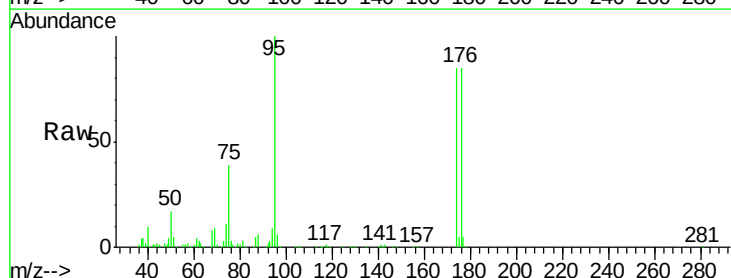
Tgt Ion: 95 Resp: 155997

Ion Ratio Lower Upper

95 100

174 85.3 0.0 149.4

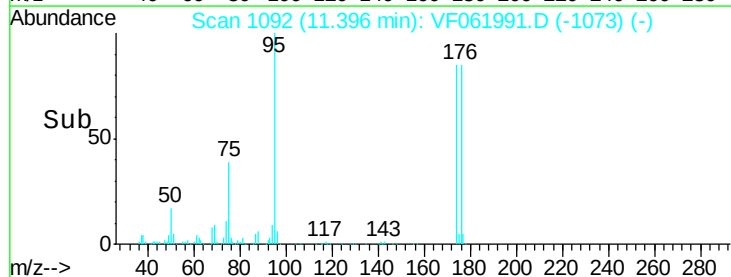
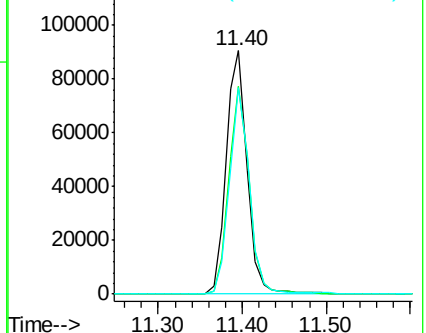
176 84.7 0.0 143.4

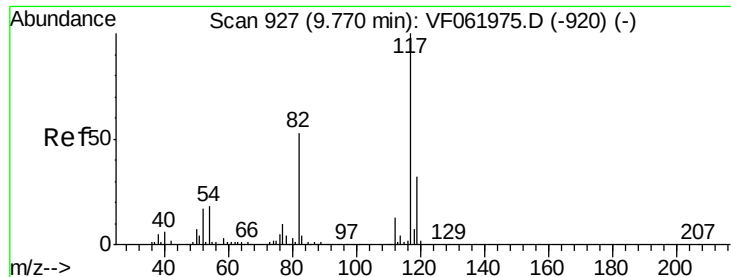


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

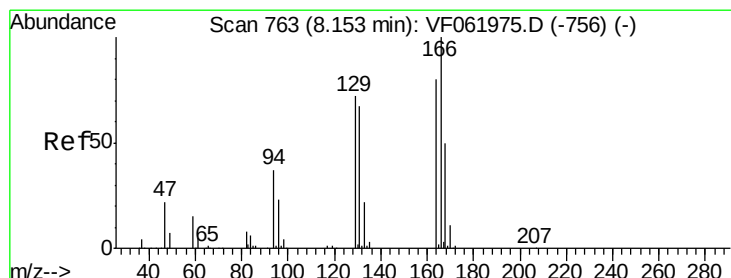
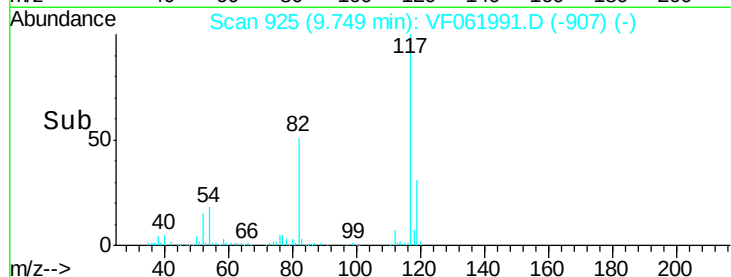
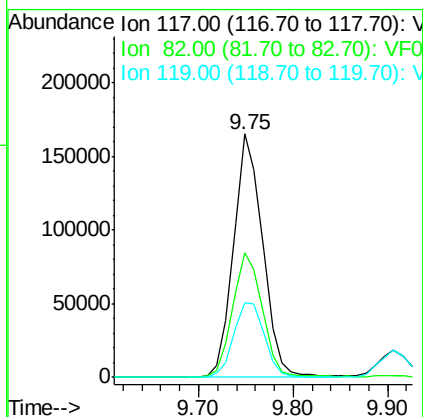
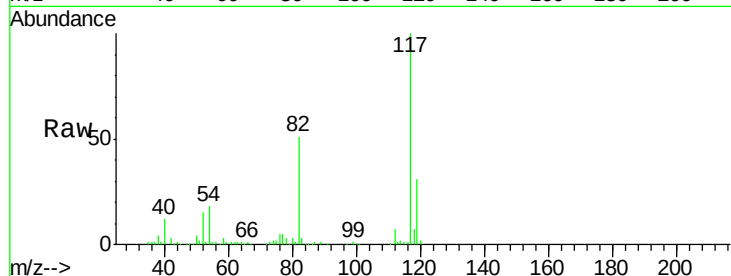




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.75 min Scan# 925
Delta R.T. -0.02 min
Lab File: VF061991.D
Acq: 18 Mar 2019 12:12

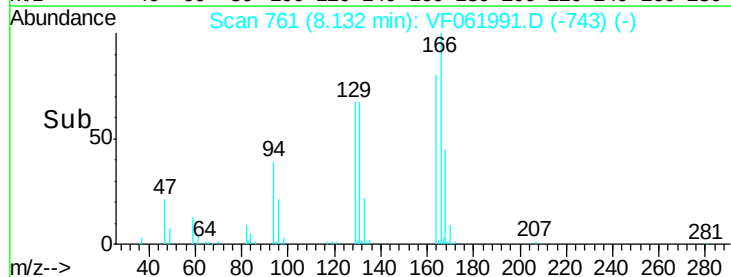
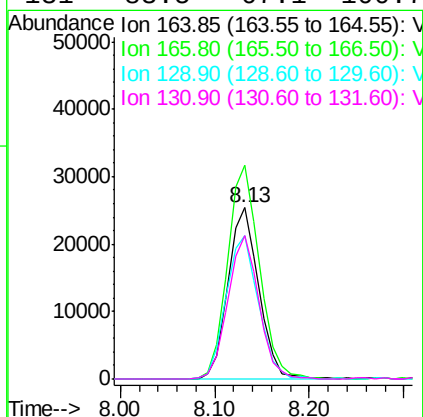
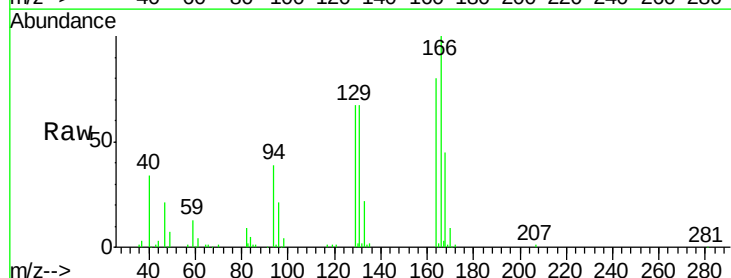
Instrument :
MSVOA_F
ClientSampleId :

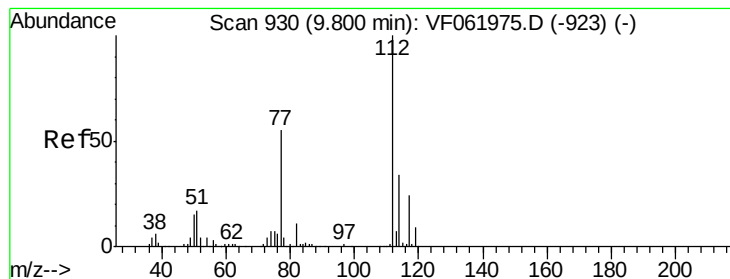
Tot Ion:117 Resp: 354544
Ion Ratio Lower Upper
117 100
82 51.2 42.5 63.7
119 30.9 25.4 38.0



#64
Tetrachloroethene
Concen: 22.148 ug/l
RT: 8.13 min Scan# 761
Delta R.T. -0.02 min
Lab File: VF061991.D
Acq: 18 Mar 2019 12:12

Tgt Ion:164 Resp: 57080
Ion Ratio Lower Upper
164 100
166 124.9 100.0 150.0
129 83.9 72.4 108.6
131 83.5 67.1 100.7





#65

Chlorobenzene

Concen: 20.619 ug/l

RT: 9.78 min Scan# 928

Delta R.T. -0.02 min

Lab File: VF061991.D

Acq: 18 Mar 2019 12:12

Instrument :

MSVOA_F

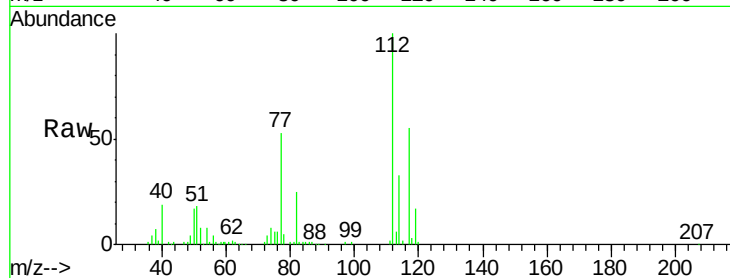
ClientSampleId :

Tot Ion:112 Resp: 136107

Ion Ratio Lower Upper

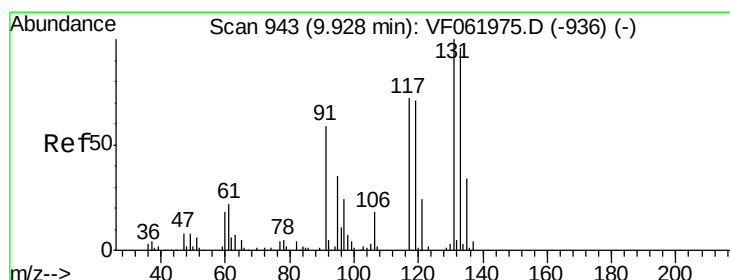
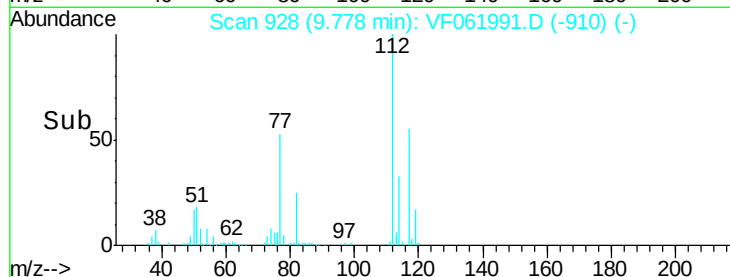
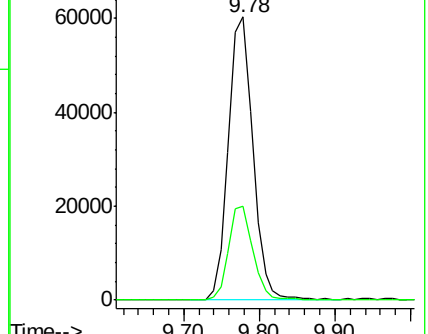
112 100

114 33.2 26.9 40.3



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 21.378 ug/l

RT: 9.91 min Scan# 941

Delta R.T. -0.02 min

Lab File: VF061991.D

Acq: 18 Mar 2019 12:12

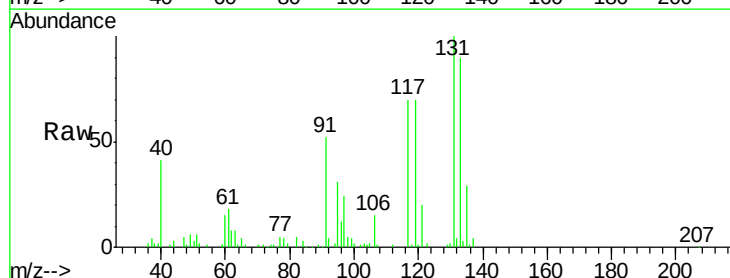
Tgt Ion:131 Resp: 54700

Ion Ratio Lower Upper

131 100

133 90.2 48.0 144.2

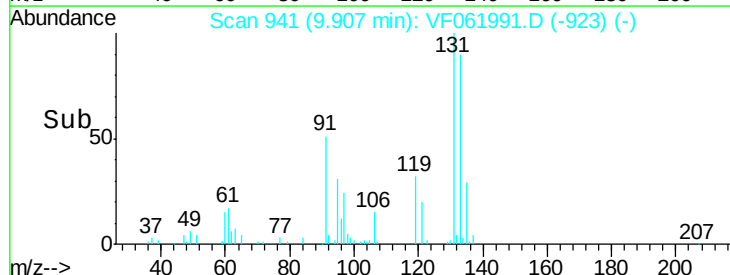
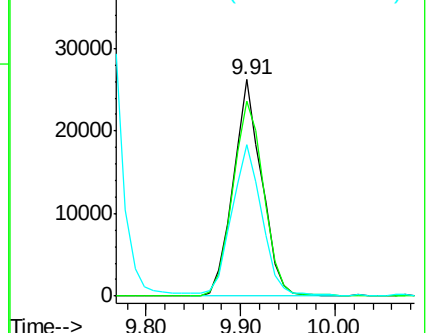
119 69.8 35.9 107.7

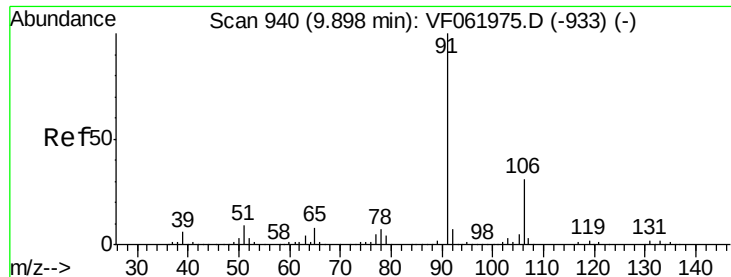


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

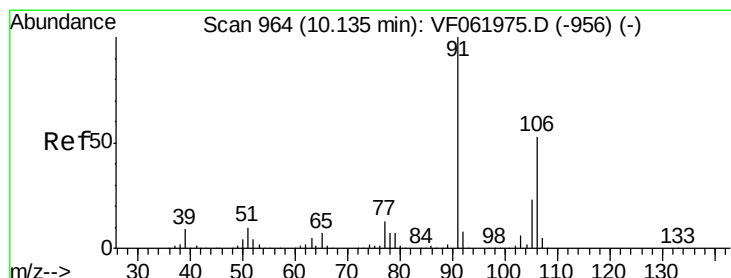
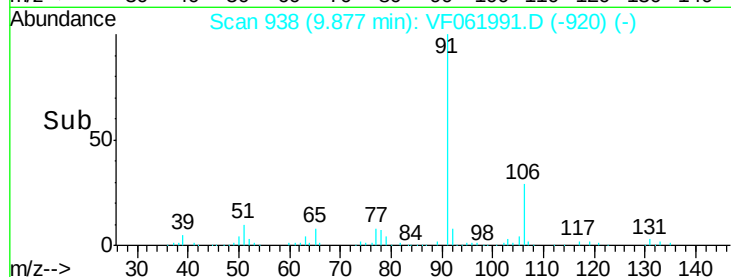
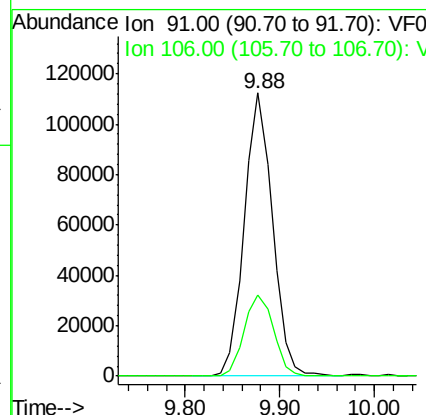
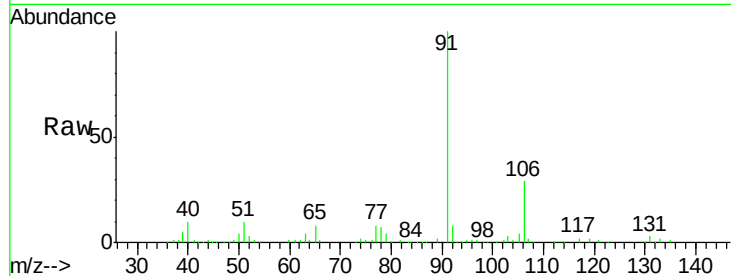




#67
Ethyl Benzene
Concen: 20.574 ug/l
RT: 9.88 min Scan# 938
Delta R.T. -0.02 min
Lab File: VF061991.D
Acq: 18 Mar 2019 12:12

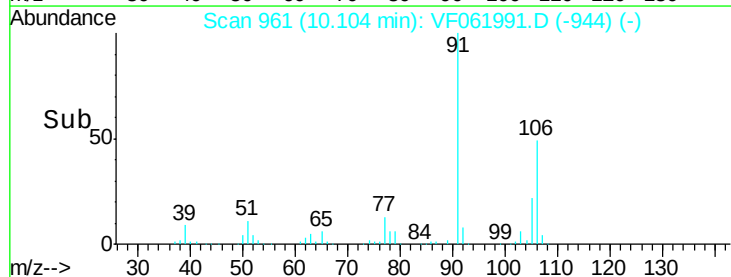
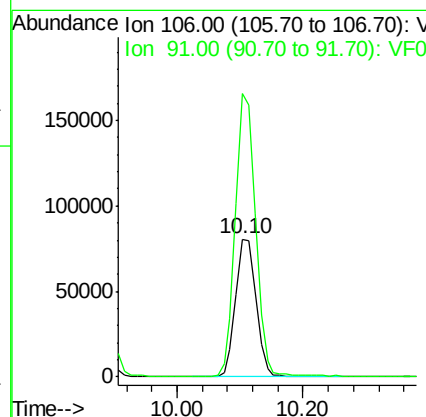
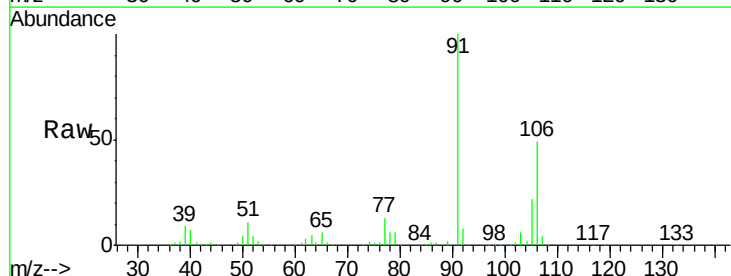
Instrument :
MSVOA_F
ClientSampled :

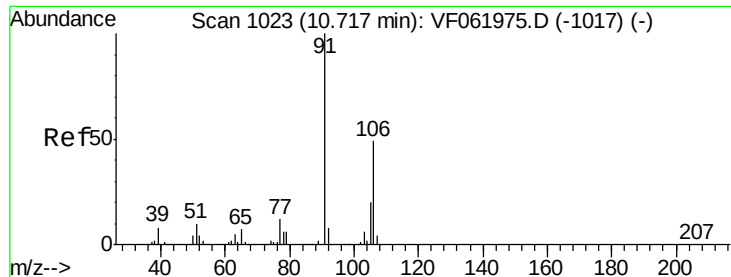
Tot Ion: 91 Resp: 232533
Ion Ratio Lower Upper
91 100
106 28.8 24.4 36.6



#68
m/p-Xylenes
Concen: 42.667 ug/l
RT: 10.10 min Scan# 961
Delta R.T. -0.03 min
Lab File: VF061991.D
Acq: 18 Mar 2019 12:12

Tgt Ion: 106 Resp: 181375
Ion Ratio Lower Upper
106 100
91 205.2 151.9 227.9

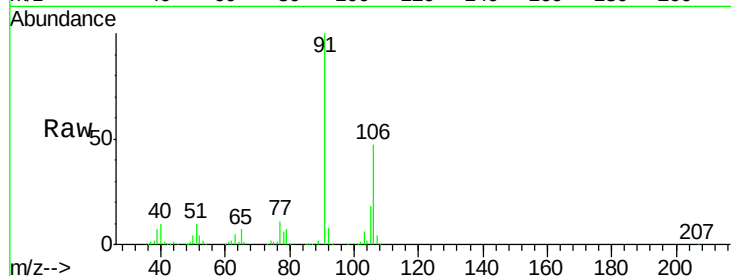




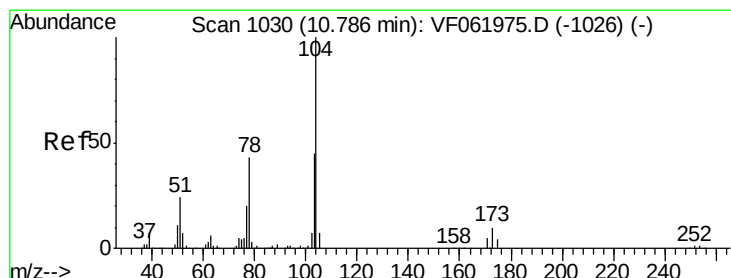
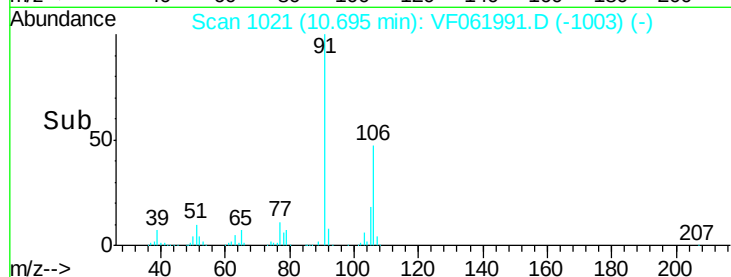
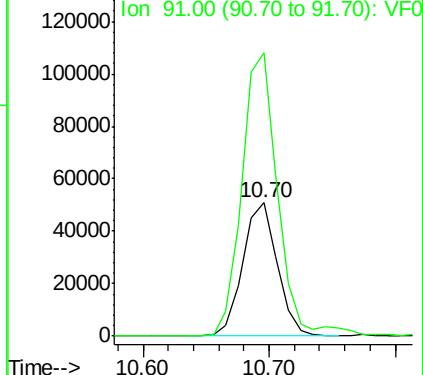
#69
o-Xylene
Concen: 21.354 ug/l
RT: 10.70 min Scan# 1021
Delta R.T. -0.02 min
Lab File: VF061991.D
Acq: 18 Mar 2019 12:12

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:106 Resp: 97131
Ion Ratio Lower Upper
106 100
91 212.8 102.3 306.8

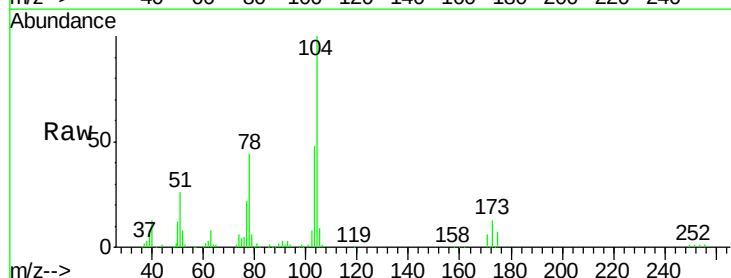


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VF0

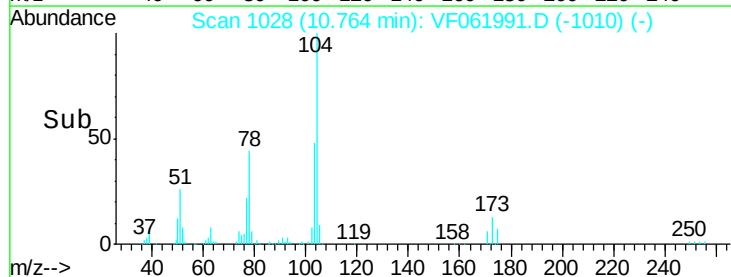
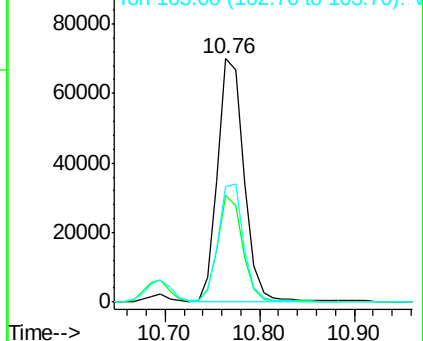


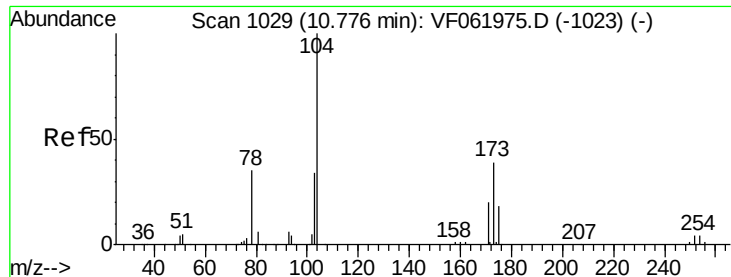
#70
Styrene
Concen: 21.582 ug/l
RT: 10.76 min Scan# 1028
Delta R.T. -0.02 min
Lab File: VF061991.D
Acq: 18 Mar 2019 12:12

Tgt Ion:104 Resp: 136003
Ion Ratio Lower Upper
104 100
78 43.9 34.7 52.1
103 47.5 36.6 54.8



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VF0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 21.276 ug/l

RT: 10.75 min Scan# 1027

Delta R.T. -0.02 min

Lab File: VF061991.D

Acq: 18 Mar 2019 12:12

Instrument :

MSVOA_F

ClientSampleId :

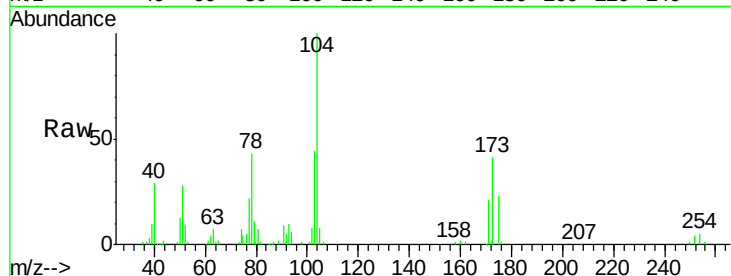
Tot Ion:173 Resp: 27535

Ion Ratio Lower Upper

173 100

175 55.7 23.7 71.1

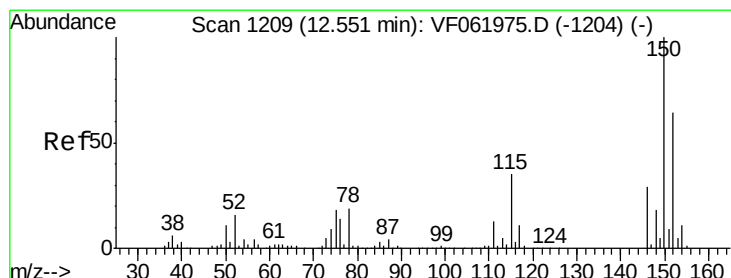
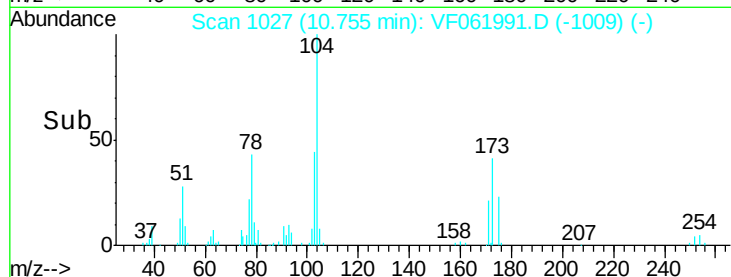
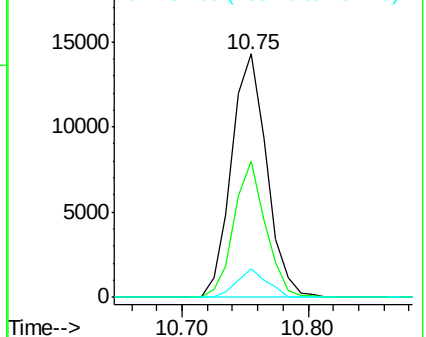
254 11.7 7.8 11.8



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: 12.54 min Scan# 1208

Delta R.T. -0.01 min

Lab File: VF061991.D

Acq: 18 Mar 2019 12:12

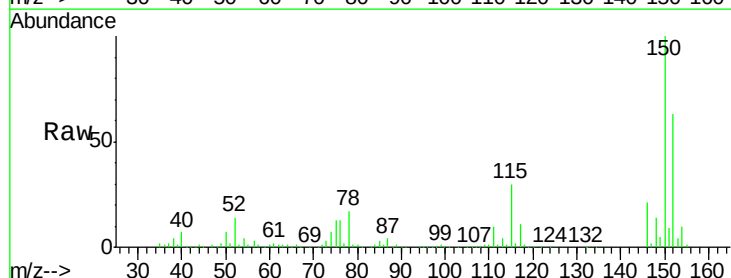
Tgt Ion:152 Resp: 191284

Ion Ratio Lower Upper

152 100

115 47.8 27.3 81.9

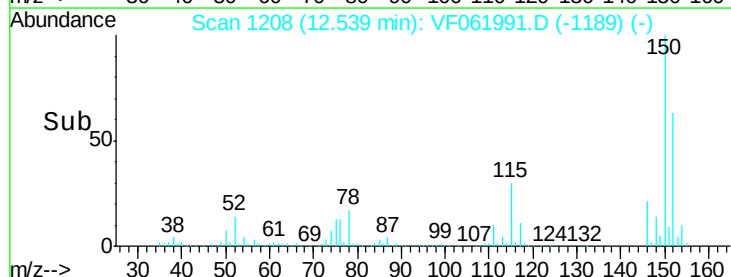
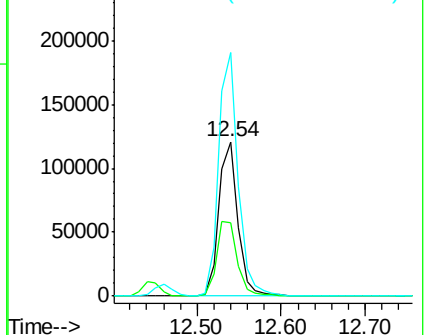
150 157.6 0.0 316.2

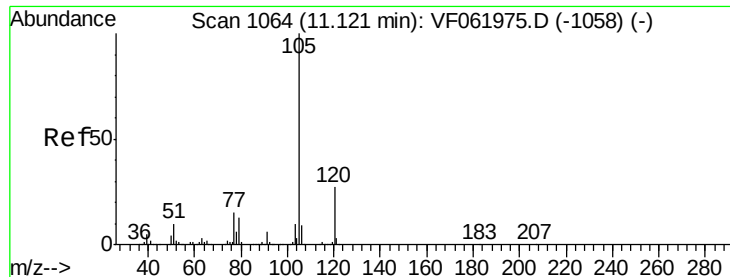


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 21.398 ug/l

RT: 11.11 min Scan# 1063

Delta R.T. -0.01 min

Lab File: VF061991.D

Acq: 18 Mar 2019 12:12

Instrument :

MSVOA_F

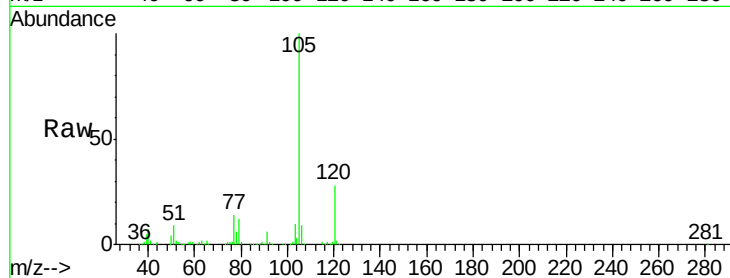
ClientSampleId :

Tot Ion:105 Resp: 282774

Ion Ratio Lower Upper

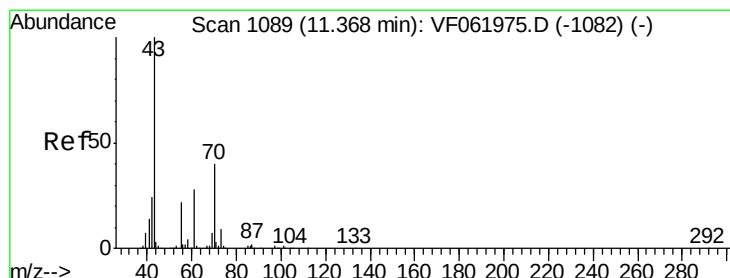
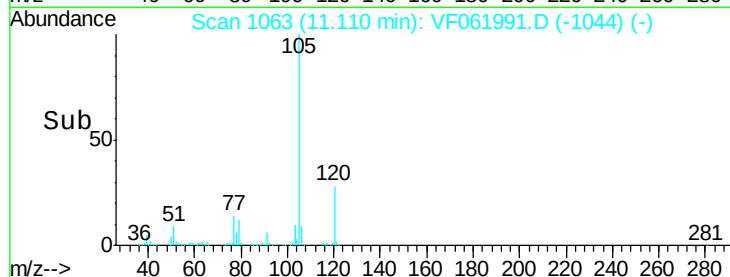
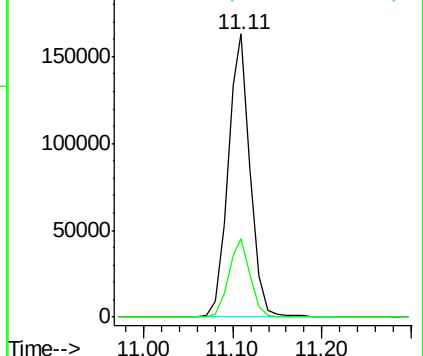
105 100

120 27.8 13.8 41.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 21.177 ug/l

RT: 11.36 min Scan# 1088

Delta R.T. -0.01 min

Lab File: VF061991.D

Acq: 18 Mar 2019 12:12

Tgt Ion: 43 Resp: 64126

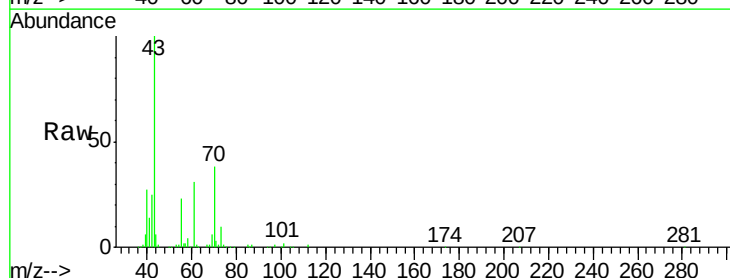
Ion Ratio Lower Upper

43 100

70 38.2 31.9 47.9

55 22.5 17.9 26.9

61 31.0 22.2 33.2

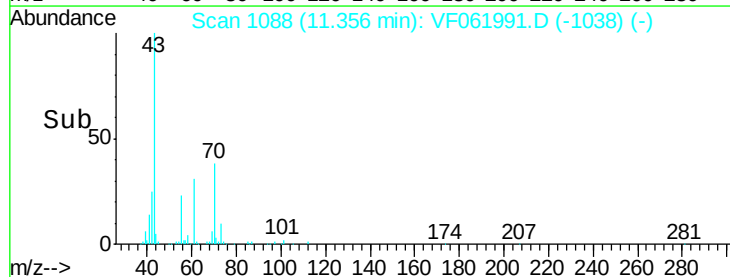
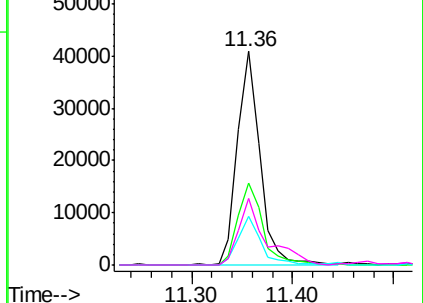


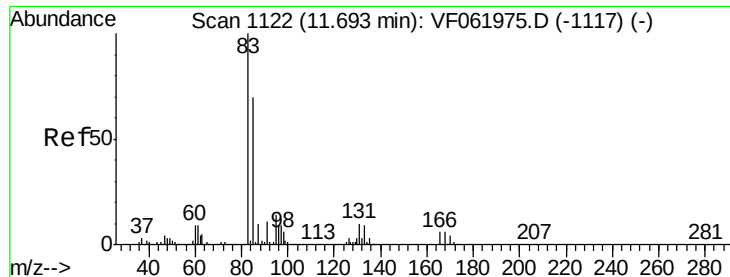
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 19.880 ug/l

RT: 11.68 min Scan# 1121

Delta R.T. -0.01 min

Lab File: VF061991.D

Acq: 18 Mar 2019 12:12

Instrument :

MSVOA_F

ClientSampleId :

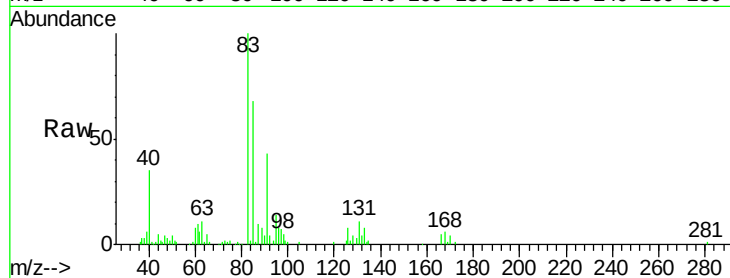
Tot Ion: 83 Resp: 43365

Ion Ratio Lower Upper

83 100

131 10.8 4.9 14.7

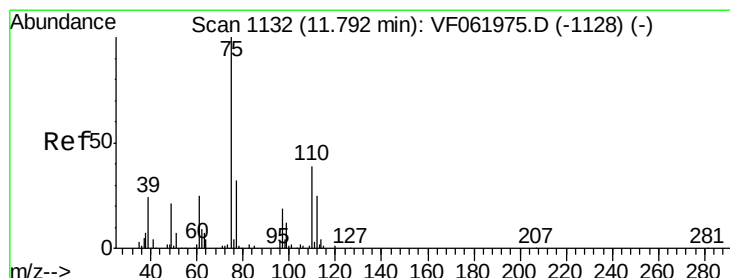
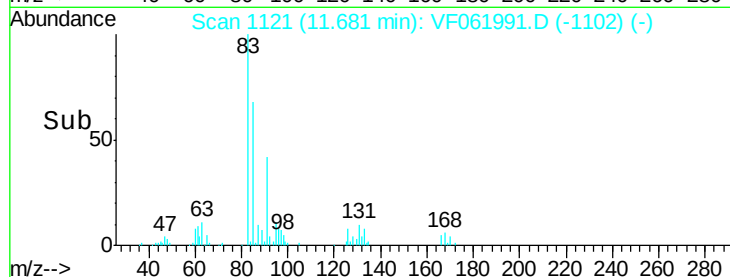
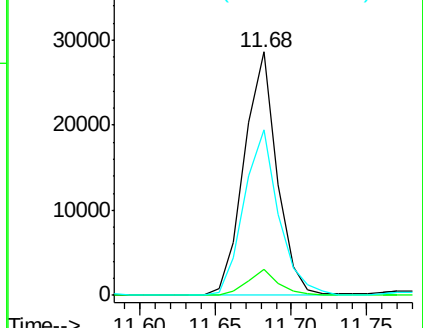
85 67.8 35.3 105.9



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: 20.477 ug/l

RT: 11.78 min Scan# 1131

Delta R.T. -0.01 min

Lab File: VF061991.D

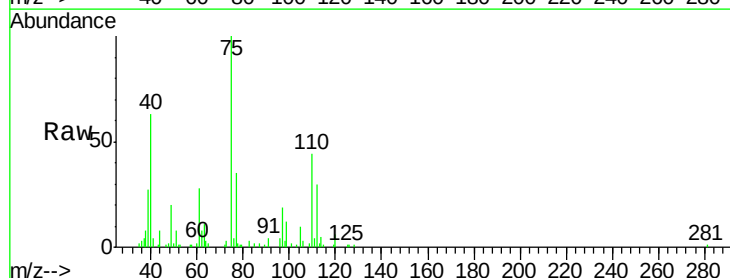
Acq: 18 Mar 2019 12:12

Tgt Ion: 75 Resp: 31233

Ion Ratio Lower Upper

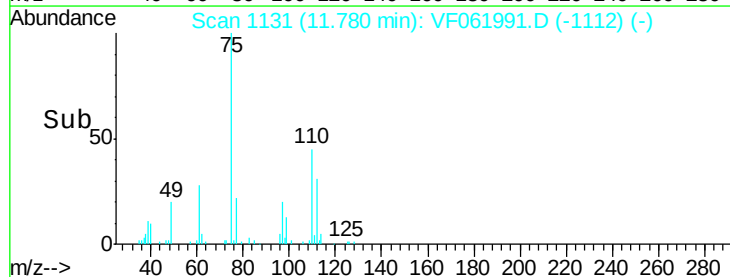
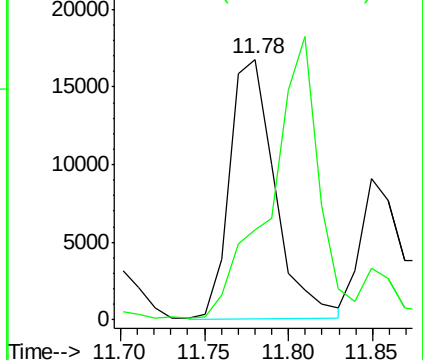
75 100

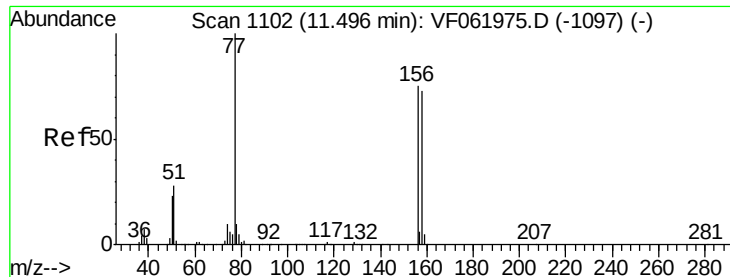
77 34.5 16.4 49.2



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 20.993 ug/l

RT: 11.47 min Scan# 1100

Delta R.T. -0.02 min

Lab File: VF061991.D

Acq: 18 Mar 2019 12:12

Instrument :

MSVOA_F

ClientSampleId :

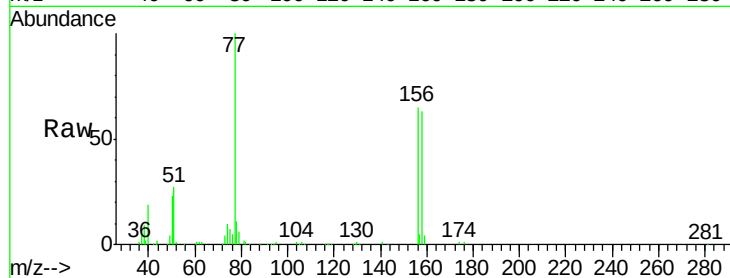
Tot Ion:156 Resp: 64245

Ion Ratio Lower Upper

156 100

77 153.3 67.0 201.0

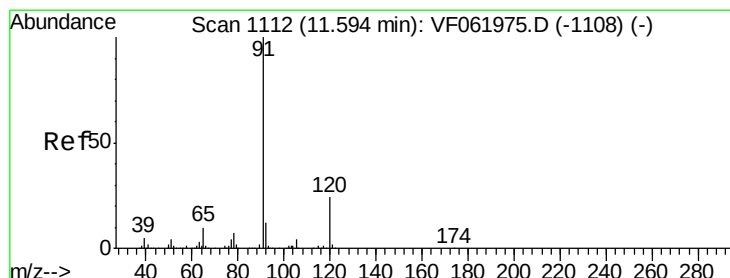
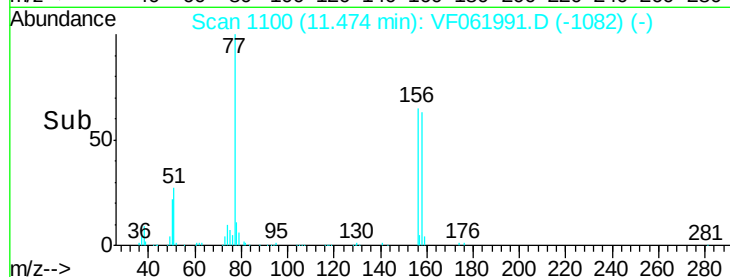
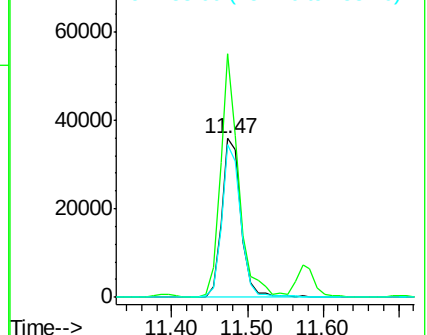
158 96.1 48.9 146.7



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: 21.193 ug/l

RT: 11.57 min Scan# 1110

Delta R.T. -0.02 min

Lab File: VF061991.D

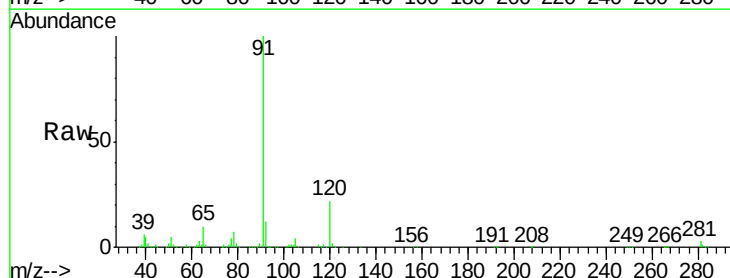
Acq: 18 Mar 2019 12:12

Tgt Ion: 91 Resp: 322031

Ion Ratio Lower Upper

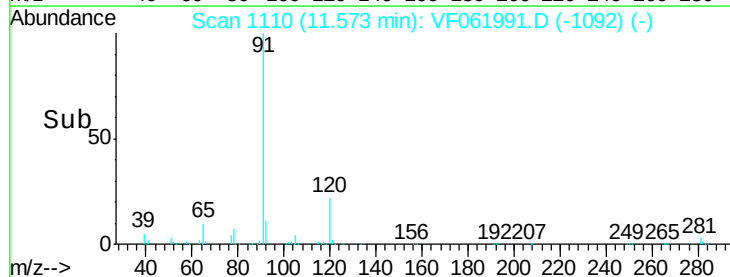
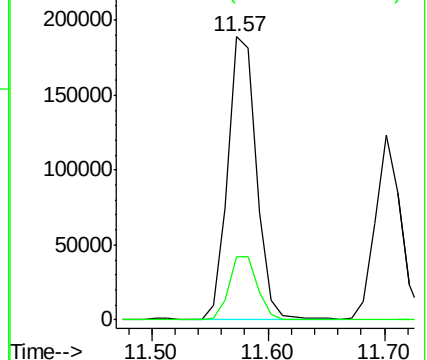
91 100

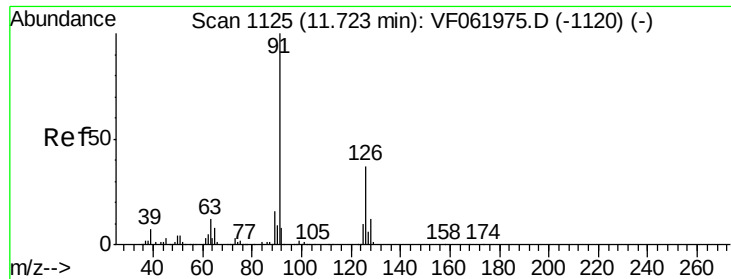
120 22.3 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.738 ug/l

RT: 11.70 min Scan# 1123

Delta R.T. -0.02 min

Lab File: VF061991.D

Acq: 18 Mar 2019 12:12

Instrument :

MSVOA_F

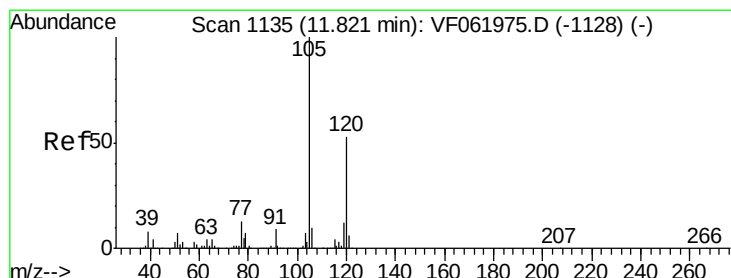
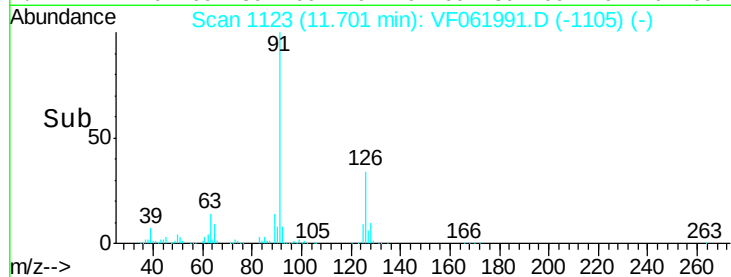
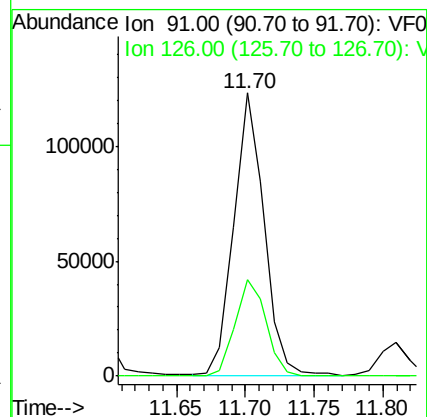
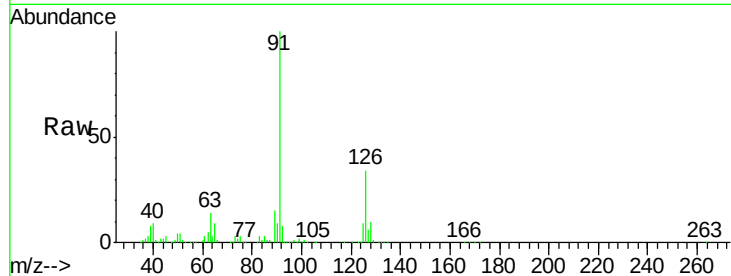
ClientSampled :

Tot Ion: 91 Resp: 186451

Ion Ratio Lower Upper

91 100

126 34.0 18.4 55.2



#80

1,3,5-Trimethylbenzene

Concen: 20.001 ug/l

RT: 11.81 min Scan# 1134

Delta R.T. -0.01 min

Lab File: VF061991.D

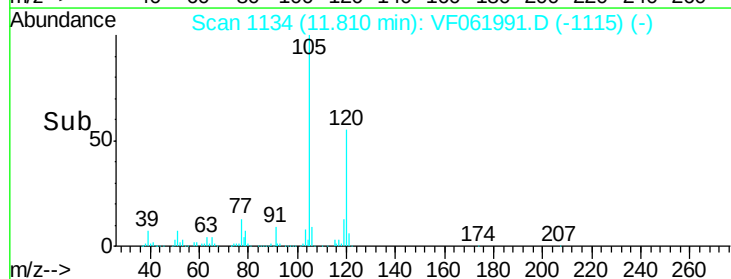
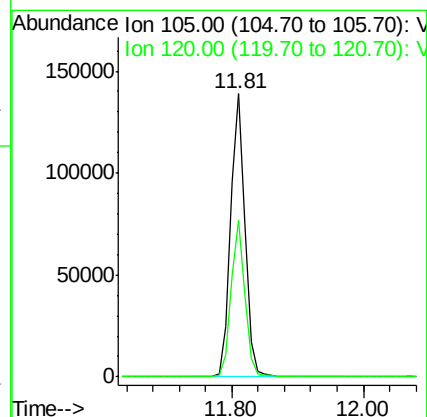
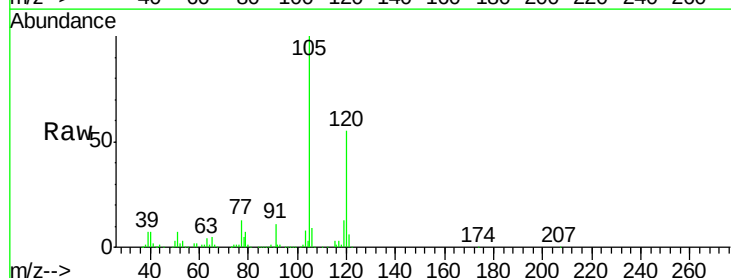
Acq: 18 Mar 2019 12:12

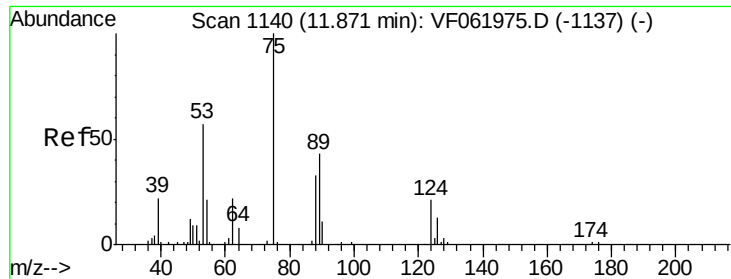
Tgt Ion: 105 Resp: 213509

Ion Ratio Lower Upper

105 100

120 55.1 26.6 79.7





#81

trans-1,4-Dichloro-2-butene

Concen: 29.133 ug/l

RT: 11.85 min Scan# 1138

Delta R.T. -0.02 min

Lab File: VF061991.D

Acq: 18 Mar 2019 12:12

Instrument :

MSVOA_F

ClientSampleId :

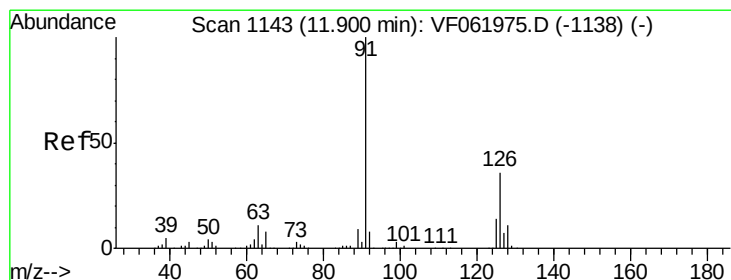
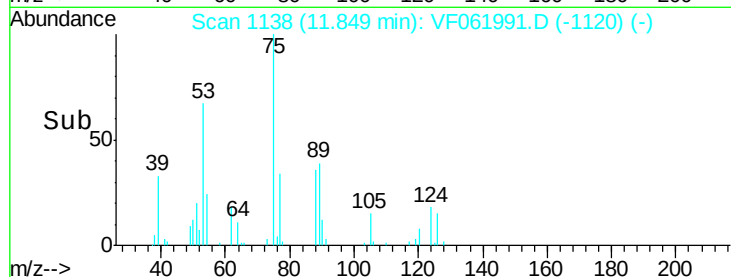
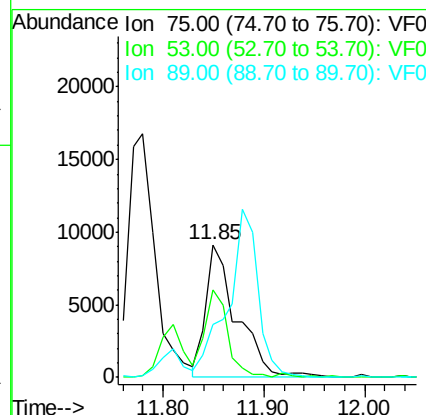
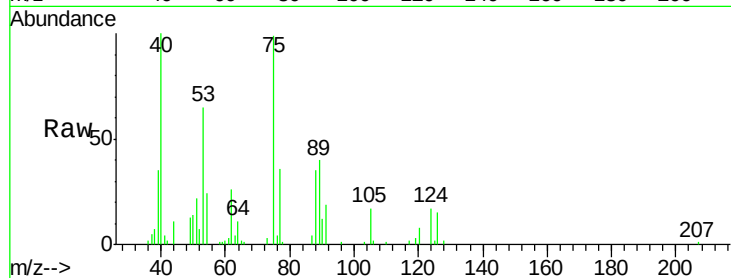
Tot Ion: 75 Resp: 19658

Ion Ratio Lower Upper

75 100

53 65.9 49.0 73.6

89 40.2 37.1 55.7



#82

4-Chlorotoluene

Concen: 21.426 ug/l

RT: 11.88 min Scan# 1141

Delta R.T. -0.02 min

Lab File: VF061991.D

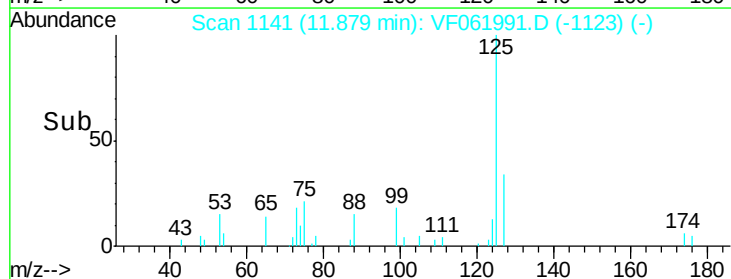
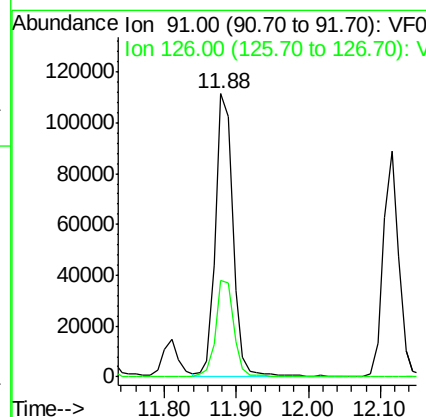
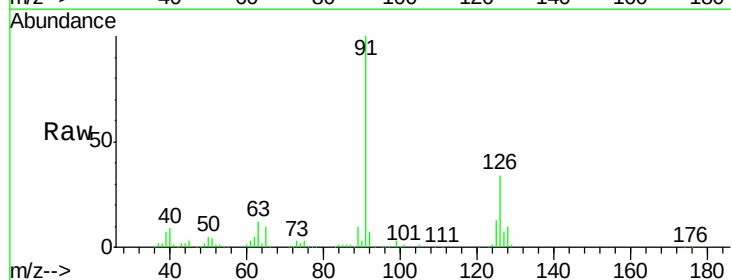
Acq: 18 Mar 2019 12:12

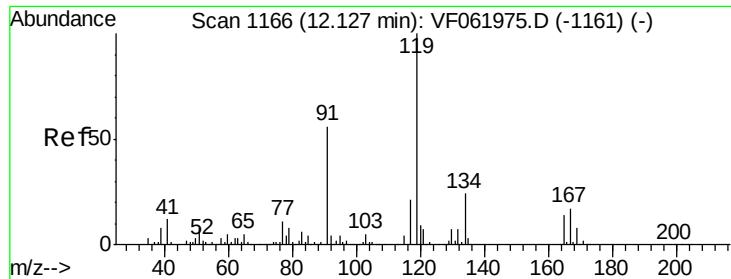
Tgt Ion: 91 Resp: 185844

Ion Ratio Lower Upper

91 100

126 34.3 18.1 54.1

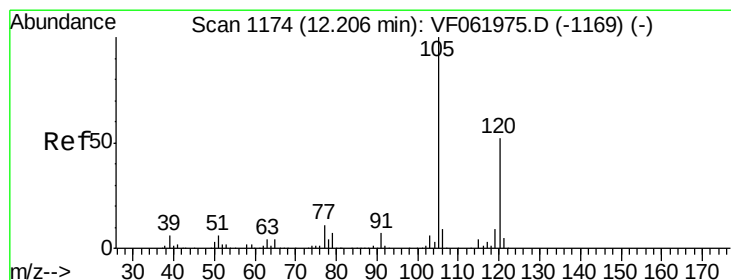
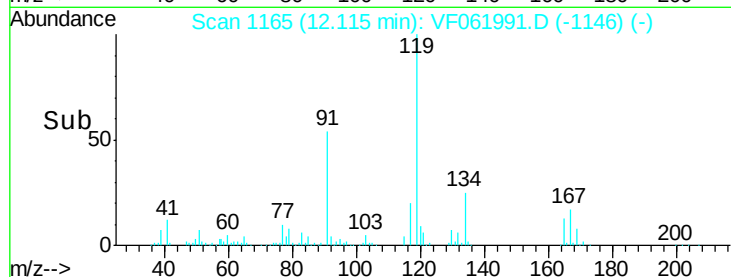
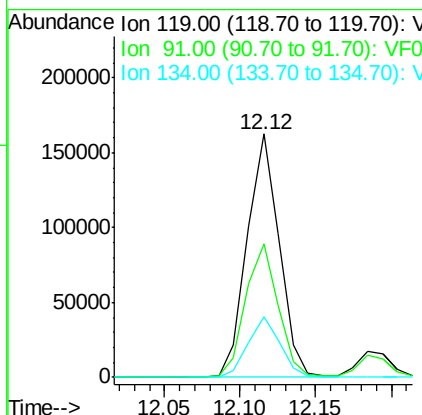
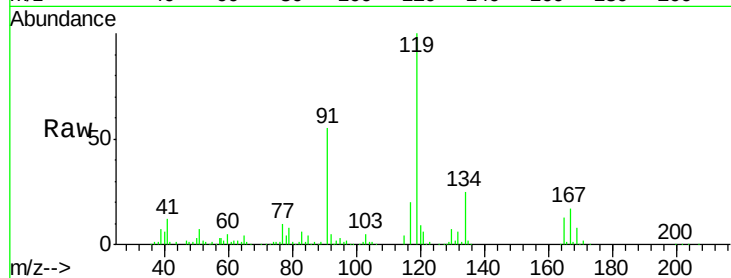




#83
 tert-Butylbenzene
 Concen: 21.761 ug/l
 RT: 12.12 min Scan# 1165
 Delta R.T. -0.01 min
 Lab File: VF061991.D
 Acq: 18 Mar 2019 12:12

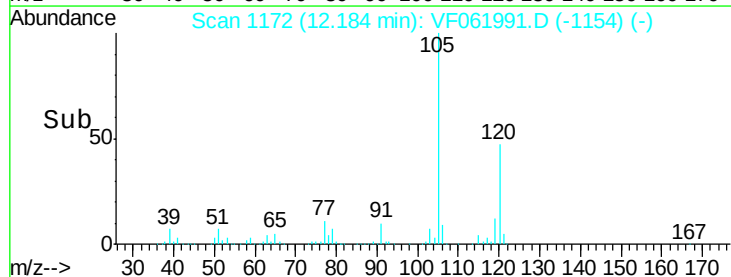
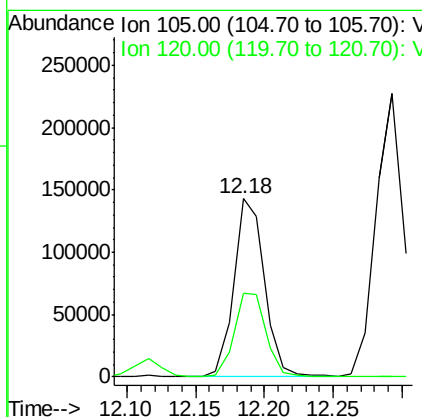
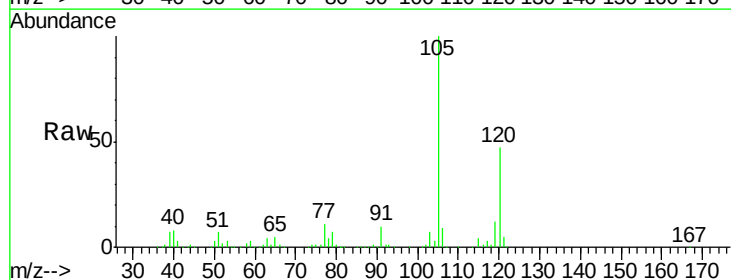
Instrument :
 MSVOA_F
 ClientSampleId :

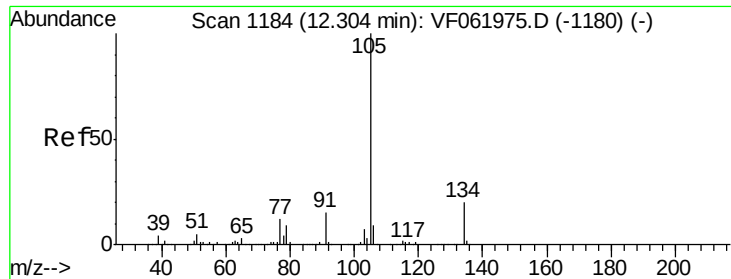
Tot Ion:119 Resp: 242937
 Ion Ratio Lower Upper
 119 100
 91 54.6 27.9 83.6
 134 24.7 12.3 36.8



#84
 1,2,4-Trimethylbenzene
 Concen: 20.679 ug/l
 RT: 12.18 min Scan# 1172
 Delta R.T. -0.02 min
 Lab File: VF061991.D
 Acq: 18 Mar 2019 12:12

Tgt Ion:105 Resp: 221108
 Ion Ratio Lower Upper
 105 100
 120 47.2 25.9 77.8





#85

sec-Butylbenzene

Concen: 21.459 ug/l

RT: 12.29 min Scan# 1183

Delta R.T. -0.01 min

Lab File: VF061991.D

Acq: 18 Mar 2019 12:12

Instrument :

MSVOA_F

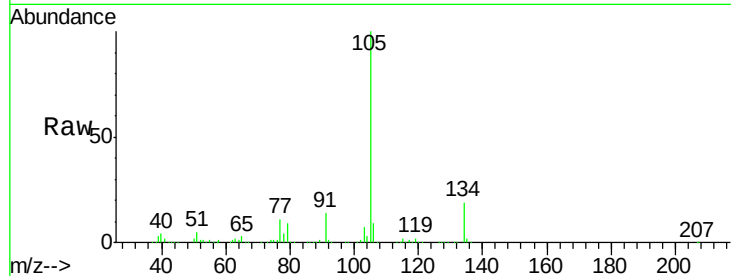
ClientSampled :

Tot Ion:105 Resp: 323674

Ion Ratio Lower Upper

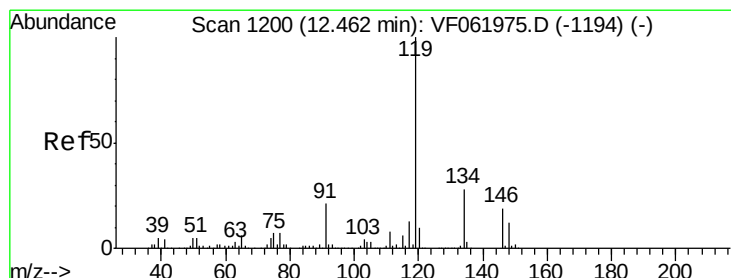
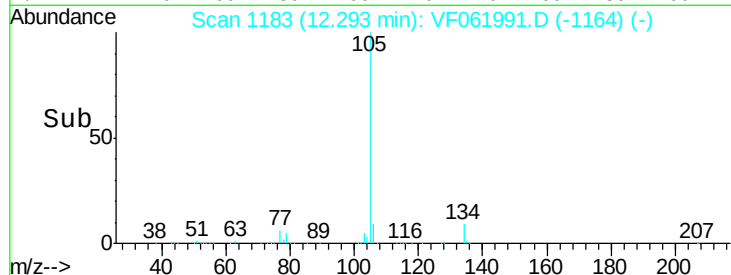
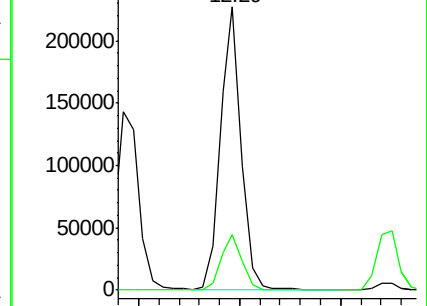
105 100

134 19.5 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: 22.178 ug/l

RT: 12.44 min Scan# 1198

Delta R.T. -0.02 min

Lab File: VF061991.D

Acq: 18 Mar 2019 12:12

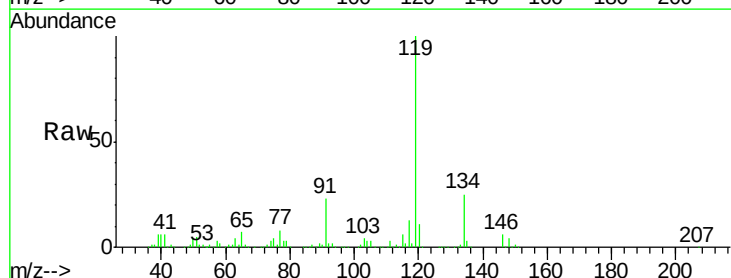
Tgt Ion:119 Resp: 279141

Ion Ratio Lower Upper

119 100

134 25.1 13.9 41.7

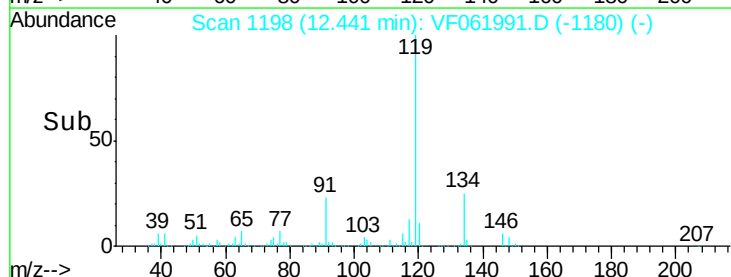
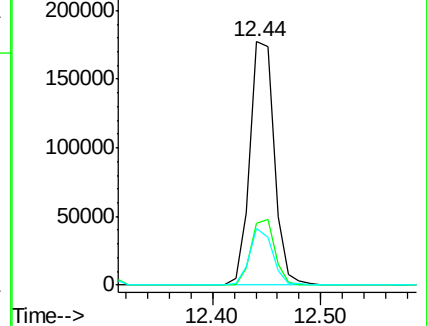
91 23.4 10.4 31.1

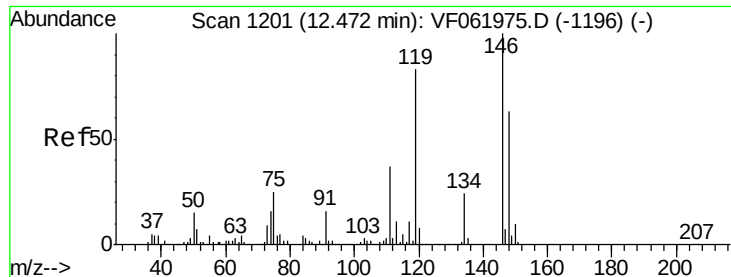


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0

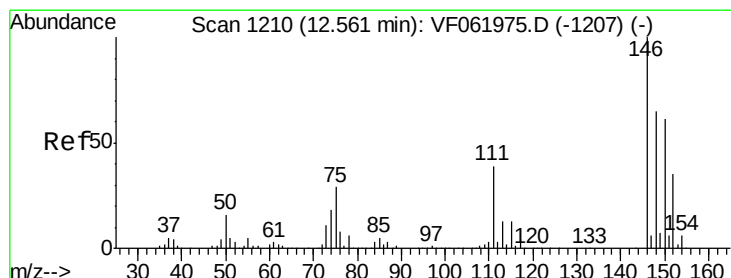
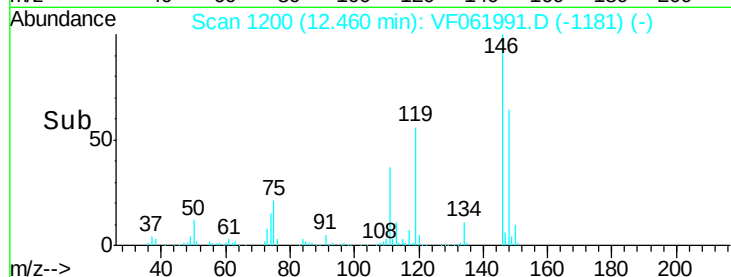
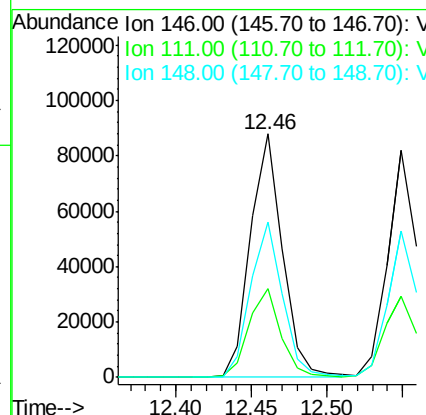
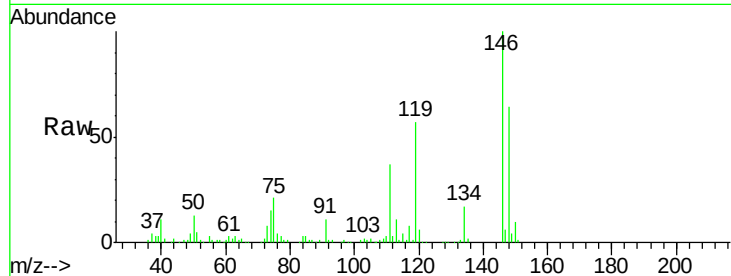




#87
 1,3-Dichlorobenzene
 Concen: 21.744 ug/l
 RT: 12.46 min Scan# 1200
 Delta R.T. -0.01 min
 Lab File: VF061991.D
 Acq: 18 Mar 2019 12:12

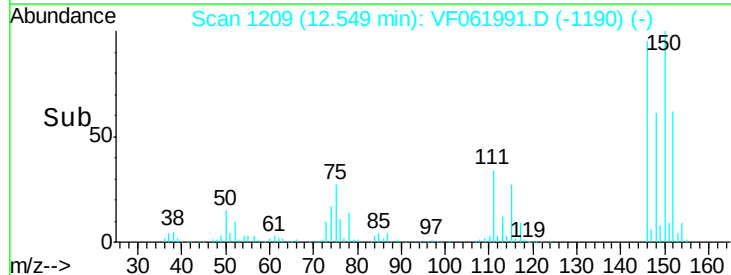
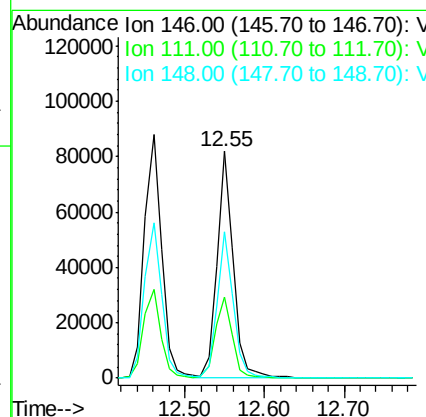
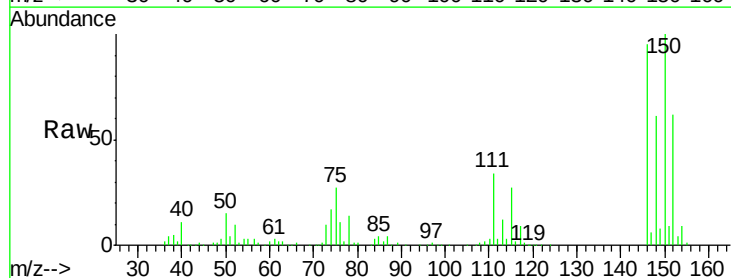
Instrument :
 MSVOA_F
 ClientSampleId :

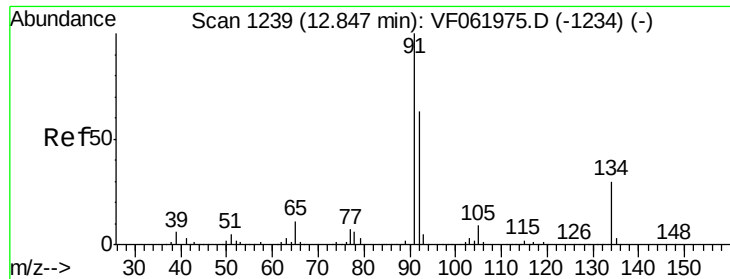
Tot Ion:146 Resp: 130788
 Ion Ratio Lower Upper
 146 100
 111 36.6 18.6 55.8
 148 63.6 31.3 93.9



#88
 1,4-Dichlorobenzene
 Concen: 20.372 ug/l
 RT: 12.55 min Scan# 1209
 Delta R.T. -0.01 min
 Lab File: VF061991.D
 Acq: 18 Mar 2019 12:12

Tgt Ion:146 Resp: 117938
 Ion Ratio Lower Upper
 146 100
 111 35.5 19.4 58.1
 148 64.3 32.4 97.0





#89

n-Butylbenzene

Concen: 21.770 ug/l

RT: 12.83 min Scan# 1237

Delta R.T. -0.02 min

Lab File: VF061991.D

Acq: 18 Mar 2019 12:12

Instrument :

MSVOA_F

ClientSampleId :

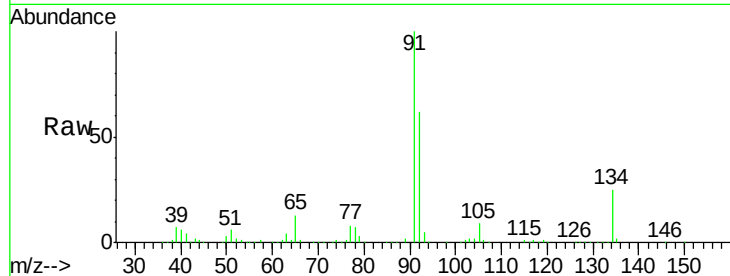
Tot Ion: 91 Resp: 257474

Ion Ratio Lower Upper

91 100

92 62.5 31.7 95.1

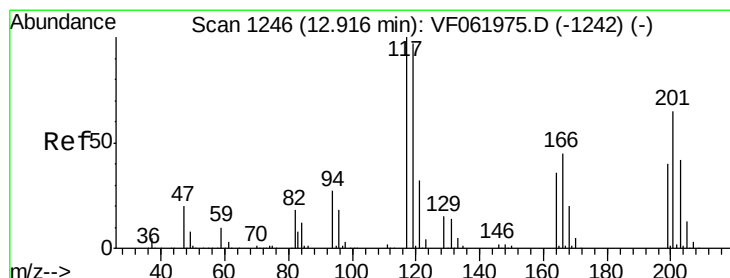
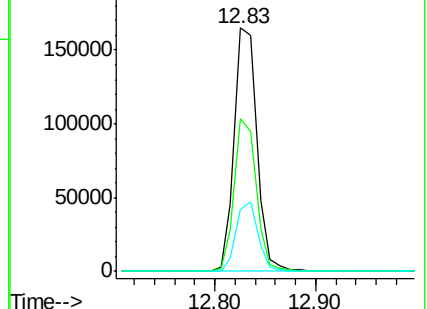
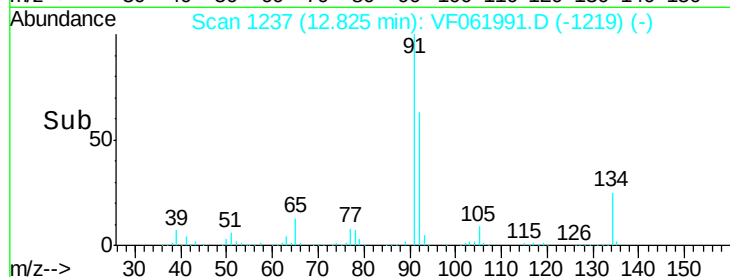
134 25.2 15.1 45.3



Abundance Ion 91.00 (90.70 to 91.70): VF061975.D (-1234) (-)

Ion 92.00 (91.70 to 92.70): VF061975.D (-1234) (-)

Ion 134.00 (133.70 to 134.70): VF061975.D (-1234) (-)



#90

Hexachloroethane

Concen: 22.100 ug/l

RT: 12.90 min Scan# 1245

Delta R.T. -0.01 min

Lab File: VF061991.D

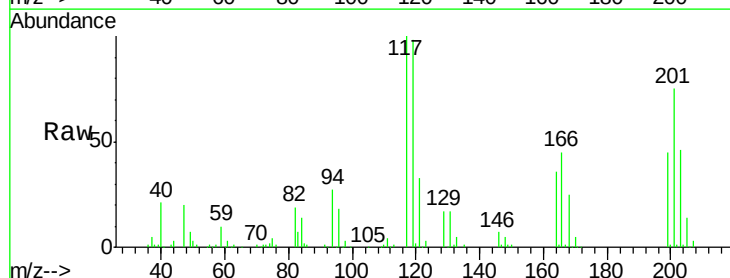
Acq: 18 Mar 2019 12:12

Tgt Ion: 117 Resp: 63479

Ion Ratio Lower Upper

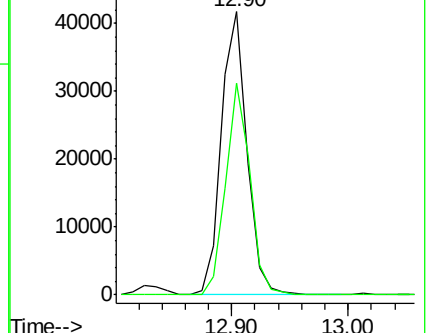
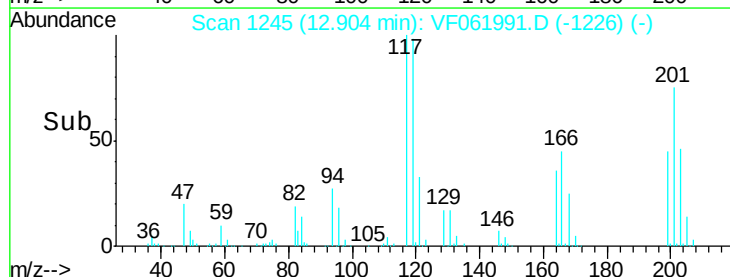
117 100

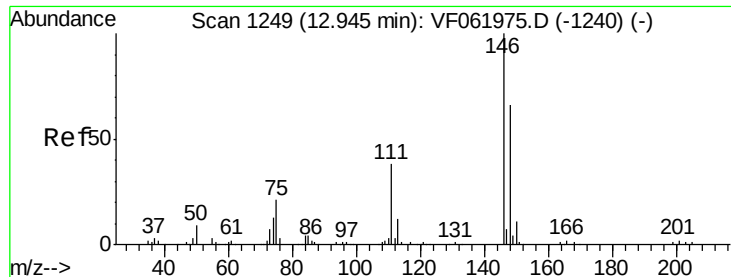
201 75.0 32.5 97.5



Abundance Ion 117.00 (116.70 to 117.70): VF061975.D (-1242) (-)

Ion 201.00 (200.70 to 201.70): VF061975.D (-1242) (-)

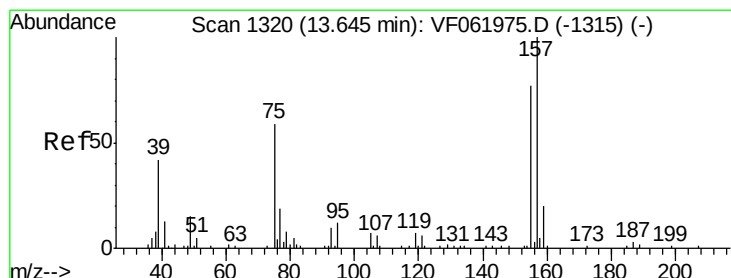
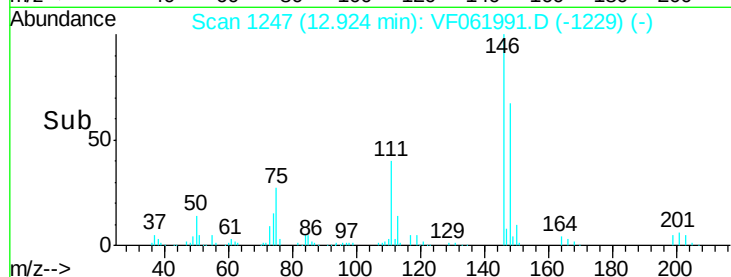
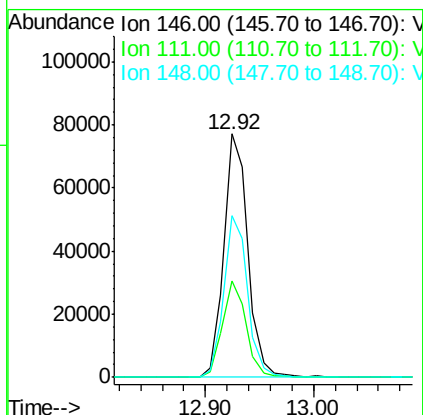
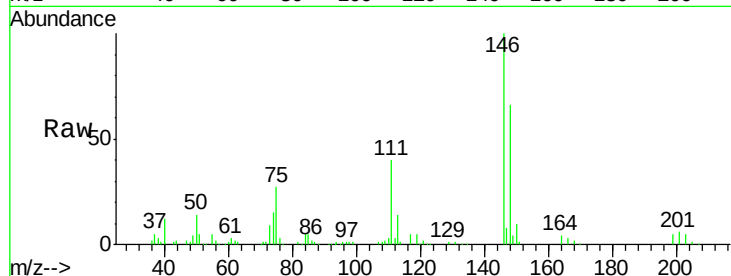




#91
 1,2-Dichlorobenzene
 Concen: 21.416 ug/l
 RT: 12.92 min Scan# 1247
 Delta R.T. -0.02 min
 Lab File: VF061991.D
 Acq: 18 Mar 2019 12:12

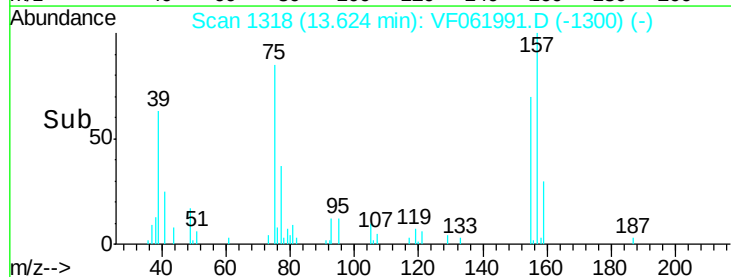
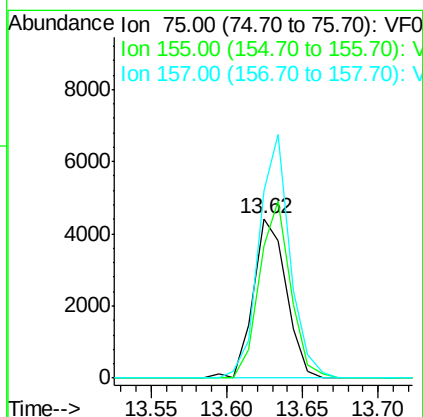
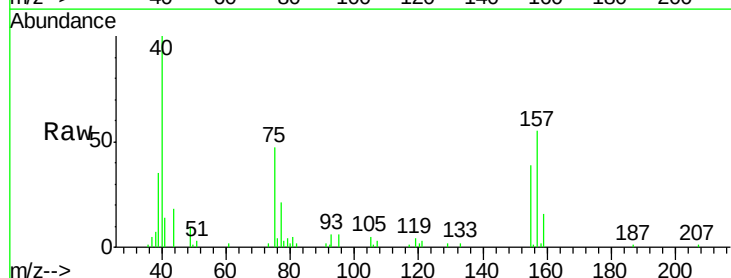
Instrument :
 MSVOA_F
 ClientSampleId :

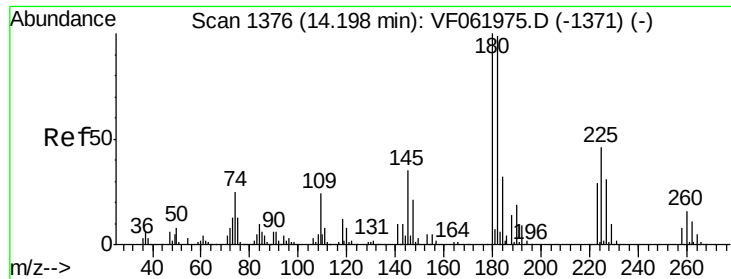
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	18.9	56.5
148	66.4	32.9	98.6



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.281 ug/l
 RT: 13.62 min Scan# 1318
 Delta R.T. -0.02 min
 Lab File: VF061991.D
 Acq: 18 Mar 2019 12:12

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.8	65.0	195.1
157	117.5	84.7	254.0

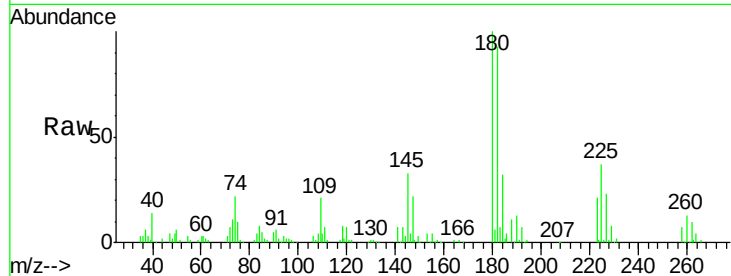




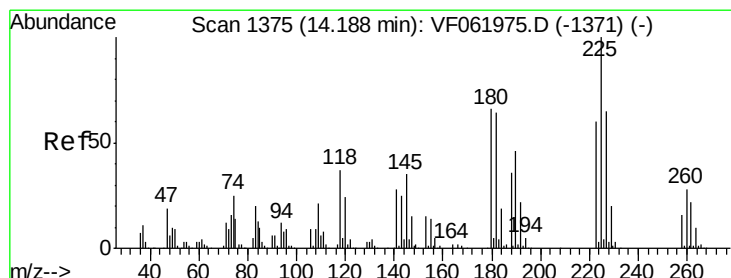
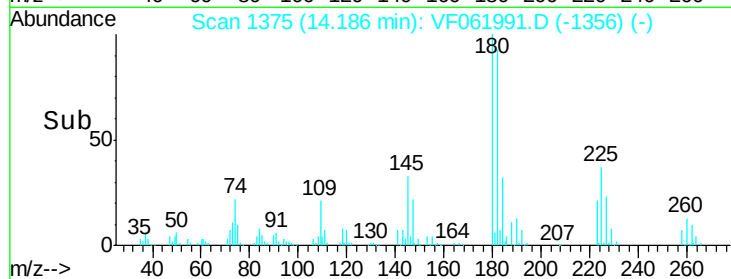
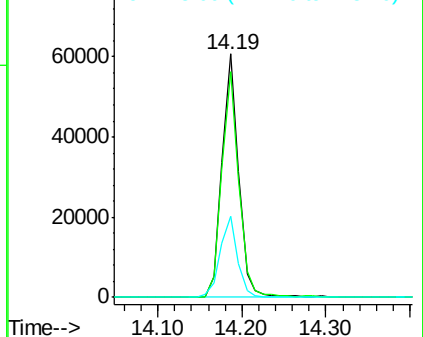
#93
 1,2,4-Trichlorobenzene
 Concen: 21.668 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. -0.01 min
 Lab File: VF061991.D
 Acq: 18 Mar 2019 12:12

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion:180 Resp: 84059
 Ion Ratio Lower Upper
 180 100
 182 93.0 49.6 149.0
 145 33.4 17.5 52.5

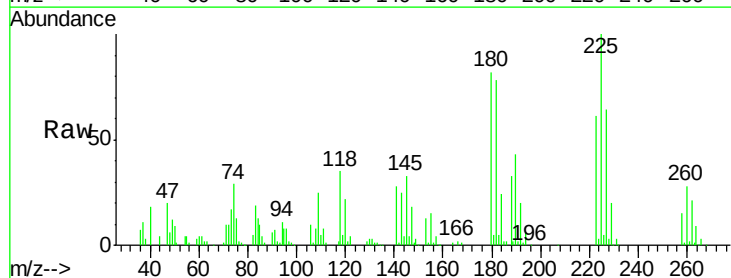


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

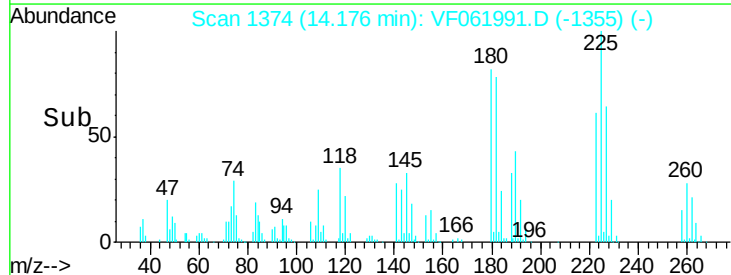
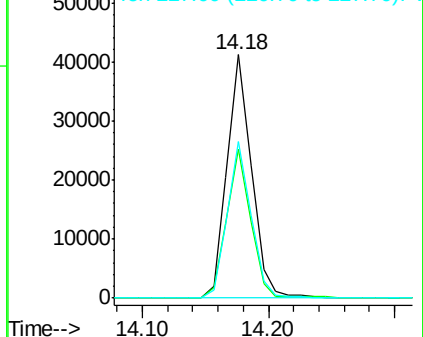


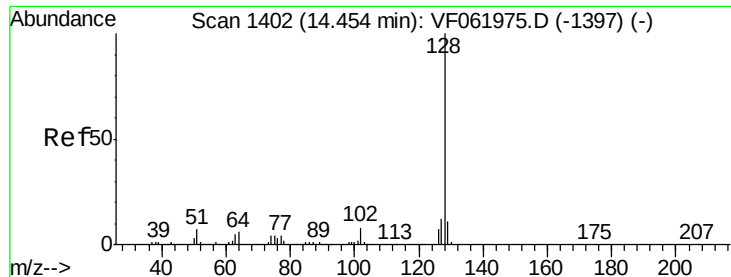
#94
 Hexachlorobutadiene
 Concen: 21.462 ug/l
 RT: 14.18 min Scan# 1374
 Delta R.T. -0.01 min
 Lab File: VF061991.D
 Acq: 18 Mar 2019 12:12

Tgt Ion:225 Resp: 55273
 Ion Ratio Lower Upper
 225 100
 223 61.3 29.9 89.7
 227 64.2 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

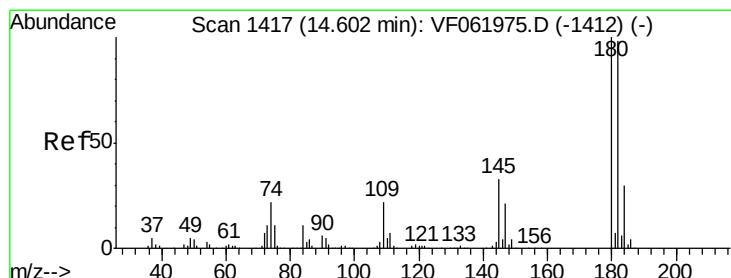
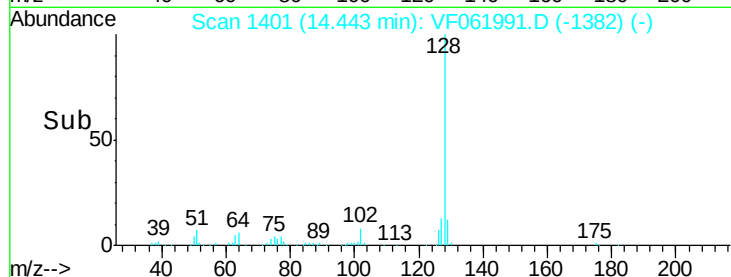
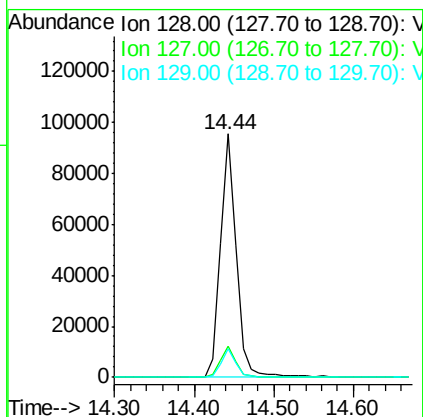
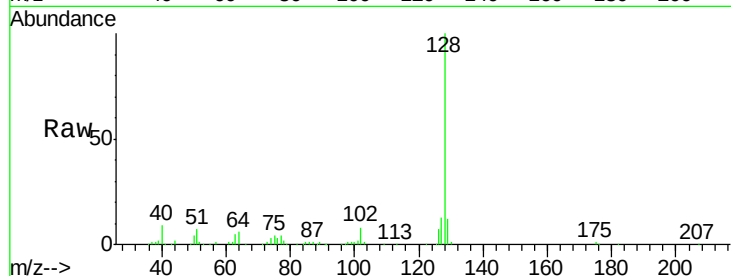




#95
Naphthalene
Concen: 19.415 ug/l
RT: 14.44 min Scan# 1401
Delta R.T. -0.01 min
Lab File: VF061991.D
Acq: 18 Mar 2019 12:12

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:128 Resp: 135463
Ion Ratio Lower Upper
128 100
127 12.9 9.3 13.9
129 11.5 9.1 13.7



#96
1,2,3-Trichlorobenzene
Concen: 22.103 ug/l
RT: 14.59 min Scan# 1416
Delta R.T. -0.01 min
Lab File: VF061991.D
Acq: 18 Mar 2019 12:12

Tgt Ion:180 Resp: 78888
Ion Ratio Lower Upper
180 100
182 95.8 48.9 146.8
145 30.2 16.7 50.1

