

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF121918\
 Data File : VF061071.D
 Acq On : 18 Dec 2018 19:51
 Operator : VA/AP
 Sample : VSTDICCC050
 Misc : 5.00G/5mL/MSVOA-F/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Quant Time: Dec 19 04:19:41 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F121918S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 19 04:15:13 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	198020	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.59	114	337564	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.78	117	323859	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	151783	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.84	65	120682	51.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.68%	
35) Dibromofluoromethane	4.11	113	125326	47.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.36%	
50) Toluene-d8	7.56	98	371392	47.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.72%	
62) 4-Bromofluorobenzene	11.41	95	164518	46.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.60%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	0.96	85	222056	69.080	ug/l 100
3) Chloromethane	1.10	50	125150	60.748	ug/l 100
4) Vinyl Chloride	1.13	62	119698	62.777	ug/l 100
5) Bromomethane	1.34	94	83120	62.699	ug/l 100
6) Chloroethane	1.39	64	54037	65.748	ug/l 100
7) Trichlorofluoromethane	1.50	101	163082	41.254	ug/l 100
8) Diethyl Ether	1.63	74	31005	54.795	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	1.83	101	111793	56.008	ug/l 100
10) Methyl Iodide	1.91	142	152205	49.774	ug/l 100
11) Tert butyl alcohol	2.56	59	26538	274.912	ug/l 100
12) 1,1-Dichloroethene	1.80	96	88799	55.359	ug/l 100
13) Acrolein	2.00	56	14514	173.170	ug/l 100
14) Allyl chloride	2.09	41	85278	45.588	ug/l 100
15) Acrylonitrile	2.94	53	63048	285.365	ug/l 100
16) Acetone	2.24	43	134933	302.167	ug/l 100
17) Carbon Disulfide	1.83	76	196651	44.706	ug/l 100
18) Methyl Acetate	2.35	43	47194	57.072	ug/l 100
19) Methyl tert-butyl Ether	2.43	73	193197	53.938	ug/l 100
20) Methylene Chloride	2.26	84	60445	39.518	ug/l 100
21) trans-1,2-Dichloroethene	2.31	96	60209	38.924	ug/l 100
22) Diisopropyl ether	2.80	45	299842	55.340	ug/l 100
23) Vinyl Acetate	3.19	43	705158	283.569	ug/l 100
24) 1,1-Dichloroethane	2.87	63	183410	56.979	ug/l 100
25) 2-Butanone	4.33	43	206908	273.913	ug/l 100
26) 2,2-Dichloropropane	3.59	77	102054	50.125	ug/l 100
27) cis-1,2-Dichloroethene	3.47	96	136937	54.619	ug/l 100
28) Bromochloromethane	3.72	49	90602	57.337	ug/l 100
29) Tetrahydrofuran	4.07	42	81632	256.248	ug/l 100
30) Chloroform	3.86	83	271415	54.611	ug/l 100
31) Cyclohexane	3.69	56	101572	30.085	ug/l 100
32) 1,1,1-Trichloroethane	4.08	97	155207	47.179	ug/l 100
36) 1,1-Dichloropropene	4.27	75	205165	54.277	ug/l 100
37) Ethyl Acetate	4.11	43	79203	51.870	ug/l 100
38) Carbon Tetrachloride	3.99	117	155191	48.488	ug/l 100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF121918\
 Data File : VF061071.D
 Acq On : 18 Dec 2018 19:51
 Operator : VA/AP
 Sample : VSTDICCC050
 Misc : 5.00G/5mL/MSVOA-F/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Quant Time: Dec 19 04:19:41 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F121918S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 19 04:15:13 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.45	83	205561	52.314	ug/l	100
40) Benzene	4.63	78	433005	52.075	ug/l	100
41) Methacrylonitrile	4.74	41	42651	47.184	ug/l	100
42) 1,2-Dichloroethane	4.94	62	168427	55.558	ug/l	100
43) Isopropyl Acetate	6.95	43	94932	46.351	ug/l	100
44) Trichloroethene	5.50	130	138958	51.238	ug/l	100
45) 1,2-Dichloropropane	6.23	63	118123	54.916	ug/l	100
46) Dibromomethane	6.09	93	78135	53.630	ug/l	100
47) Bromodichloromethane	6.38	83	209889	54.108	ug/l	100
48) Methyl methacrylate	6.72	41	69637	50.870	ug/l	100
49) 1,4-Dioxane	6.71	88	10447	1055.482	ug/l	100
51) 4-Methyl-2-Pentanone	8.26	43	332319	238.916	ug/l	100
52) Toluene	7.63	92	281154	48.292	ug/l	100
53) t-1,3-Dichloropropene	8.28	75	157788	50.382	ug/l	100
54) cis-1,3-Dichloropropene	7.30	75	199316	51.572	ug/l	100
55) 1,1,2-Trichloroethane	8.49	97	81994	48.942	ug/l	100
56) Ethyl methacrylate	8.62	69	94379	51.086	ug/l	100
57) 1,3-Dichloropropane	8.85	76	152499	51.861	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.29	63	87295	399.097	ug/l	100
59) 2-Hexanone	9.49	43	245999	250.269	ug/l	100
60) Dibromochloromethane	8.72	129	128553	51.376	ug/l	100
61) 1,2-Dibromoethane	8.99	107	93190	51.171	ug/l	100
64) Tetrachloroethene	8.15	164	120007	48.342	ug/l	100
65) Chlorobenzene	9.80	112	317592	50.762	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.93	131	126831	47.325	ug/l	100
67) Ethyl Benzene	9.89	91	579058	49.581	ug/l	100
68) m/p-Xylenes	10.13	106	405862	96.288	ug/l	100
69) o-Xylene	10.71	106	225787	48.668	ug/l	100
70) Styrene	10.79	104	300763	47.100	ug/l	100
71) Bromoform	10.77	173	60108	46.662	ug/l	100
73) Isopropylbenzene	11.13	105	669355	55.073	ug/l	100
74) N-amyl acetate	11.37	43	145784	52.485	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.70	83	109096	54.733	ug/l	100
76) 1,2,3-Trichloropropane	11.80	75	81559	55.874	ug/l	100
77) Bromobenzene	11.49	156	142510	54.206	ug/l	100
78) n-propylbenzene	11.59	91	784120	55.060	ug/l	100
79) 2-Chlorotoluene	11.72	91	451981	55.283	ug/l	100
80) 1,3,5-Trimethylbenzene	11.83	105	540452	54.816	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.87	75	48897	69.626	ug/l	100
82) 4-Chlorotoluene	11.90	91	448896	52.366	ug/l	100
83) tert-Butylbenzene	12.13	119	555527	55.083	ug/l	100
84) 1,2,4-Trimethylbenzene	12.20	105	524681	53.834	ug/l	100
85) sec-Butylbenzene	12.30	105	720438	52.699	ug/l	100
86) p-Isopropyltoluene	12.46	119	601208	52.286	ug/l	100
87) 1,3-Dichlorobenzene	12.48	146	254028	50.804	ug/l	100
88) 1,4-Dichlorobenzene	12.57	146	249402	51.153	ug/l	100
89) n-Butylbenzene	12.84	91	615519	53.188	ug/l	100
90) Hexachloroethane	12.91	117	151072	54.774	ug/l	100
91) 1,2-Dichlorobenzene	12.94	146	254151	53.436	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.64	75	21137	54.844	ug/l	100

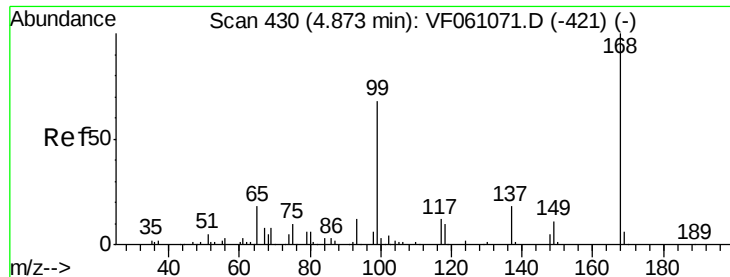
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF121918\
Data File : VF061071.D
Acq On : 18 Dec 2018 19:51
Operator : VA/AP
Sample : VSTDICCC050
Misc : 5.00G/5mL/MSVOA-F/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Quant Time: Dec 19 04:19:41 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F121918S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 19 04:15:13 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	176299	53.006	ug/l	100
94) Hexachlorobutadiene	14.18	225	115265	52.054	ug/l	100
95) Naphthalene	14.45	128	340639	46.656	ug/l	100
96) 1,2,3-Trichlorobenzene	14.60	180	176225	56.309	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.87 min Scan# 430

Delta R.T. 0.00 min

Lab File: VF061071.D

Acq: 18 Dec 2018 19:51

Instrument :

MSVOA_F

ClientSampleId :

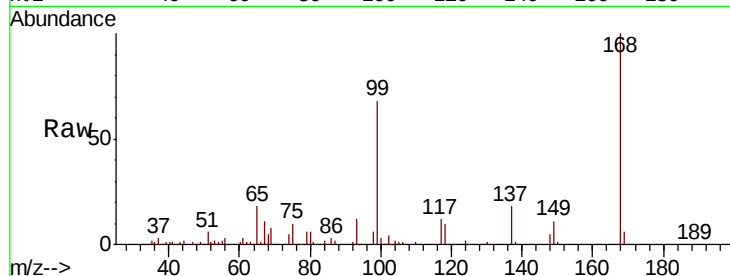
VSTDICCC050

Tgt Ion:168 Resp: 198020

Ion Ratio Lower Upper

168 100

99 68.0 54.4 81.6



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.87

60000

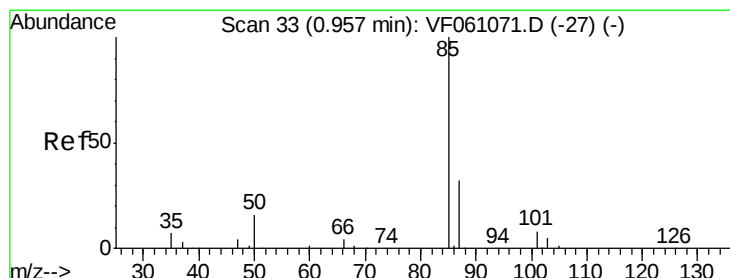
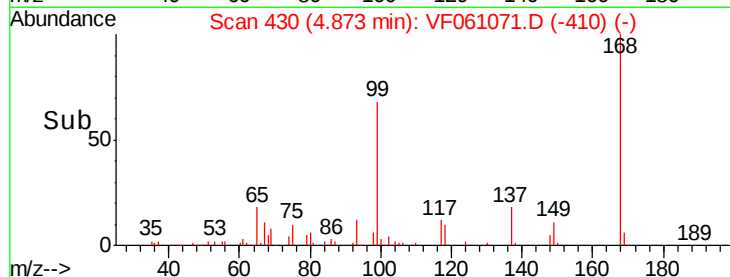
40000

20000

0

Time-->

4.70 4.80 4.90 5.00 5.10



#2

Dichlorodifluoromethane

Concen: 69.080 ug/l

RT: 0.96 min Scan# 33

Delta R.T. 0.00 min

Lab File: VF061071.D

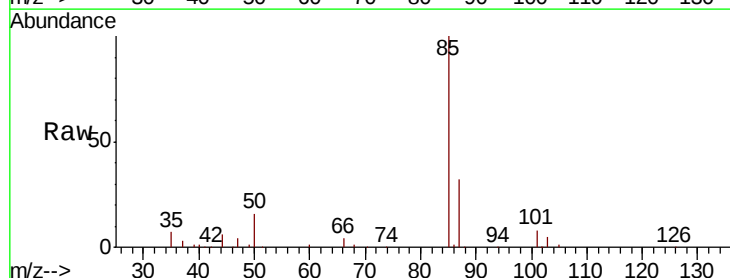
Acq: 18 Dec 2018 19:51

Tgt Ion: 85 Resp: 222056

Ion Ratio Lower Upper

85 100

87 31.7 15.9 47.6



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

60000

50000

40000

30000

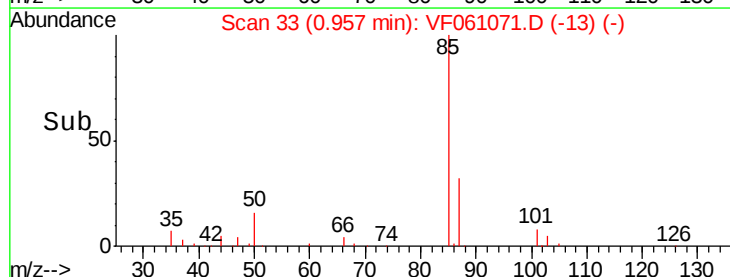
20000

10000

0

Time-->

0.80 0.90 1.00 1.10





#3

Chloromethane

Concen: 60.748 ug/l

RT: 1.10 min Scan# 48

Delta R.T. 0.00 min

Lab File: VF061071.D

Acq: 18 Dec 2018 19:51

Instrument :

MSVOA_F

ClientSampleId :

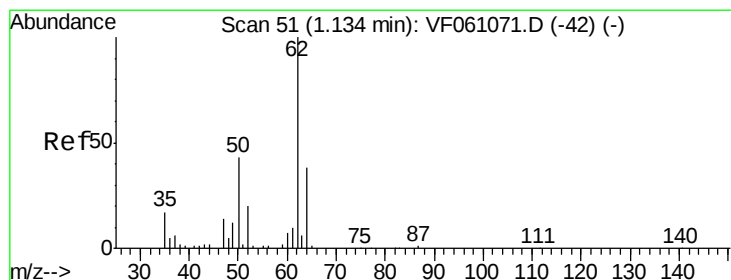
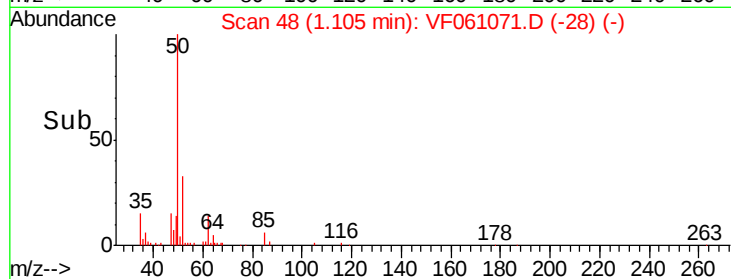
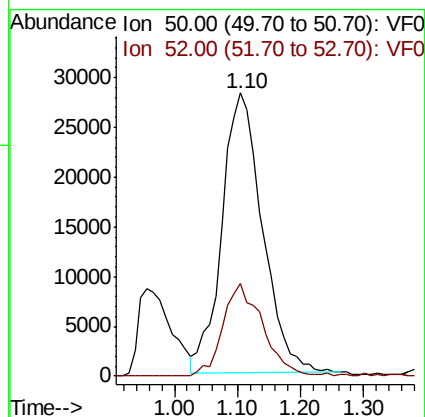
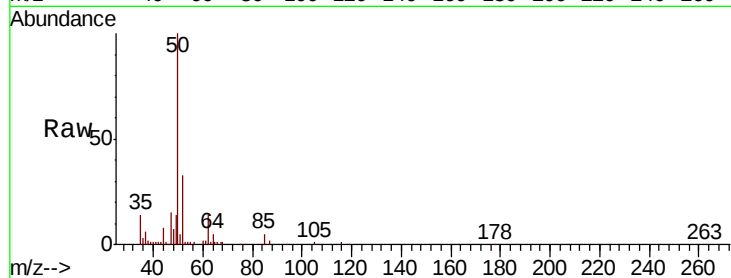
VSTDICCC050

Tgt Ion: 50 Resp: 125150

Ion Ratio Lower Upper

50 100

52 32.9 26.3 39.5



#4

Vinyl Chloride

Concen: 62.777 ug/l

RT: 1.13 min Scan# 51

Delta R.T. 0.00 min

Lab File: VF061071.D

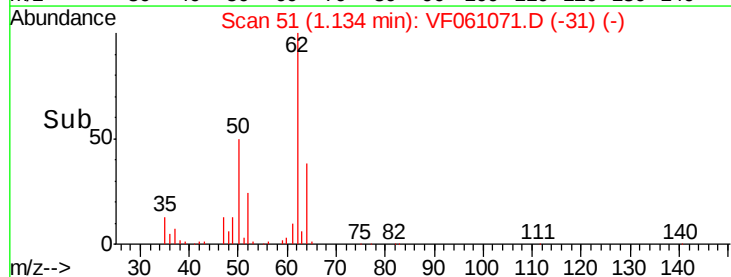
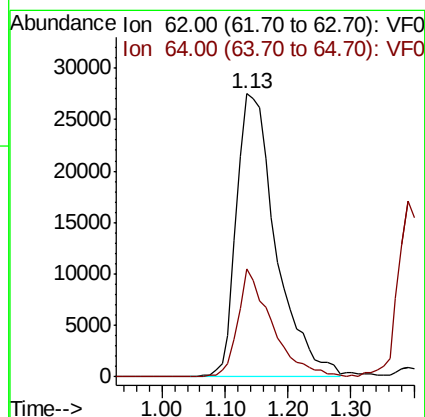
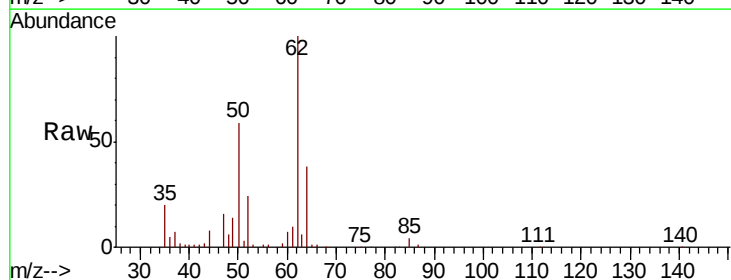
Acq: 18 Dec 2018 19:51

Tgt Ion: 62 Resp: 119698

Ion Ratio Lower Upper

62 100

64 38.0 30.4 45.6





#5

Bromomethane

Concen: 62.699 ug/l

RT: 1.34 min Scan# 72

Delta R.T. 0.00 min

Lab File: VF061071.D

Acq: 18 Dec 2018 19:51

Instrument :

MSVOA_F

ClientSampleId :

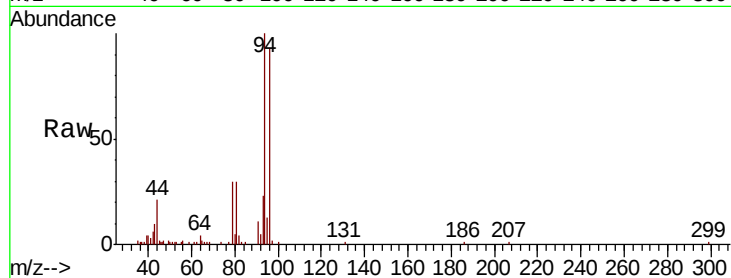
VSTDICCC050

Tgt Ion: 94 Resp: 83120

Ion Ratio Lower Upper

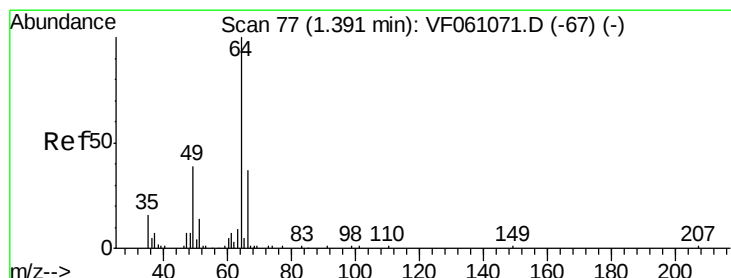
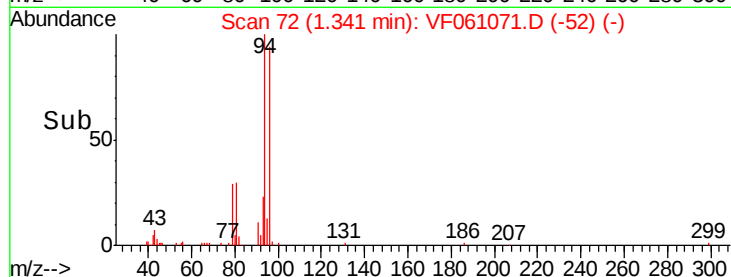
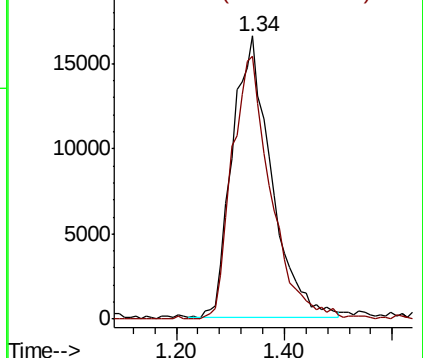
94 100

96 93.0 74.4 111.6



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 65.748 ug/l

RT: 1.39 min Scan# 77

Delta R.T. 0.00 min

Lab File: VF061071.D

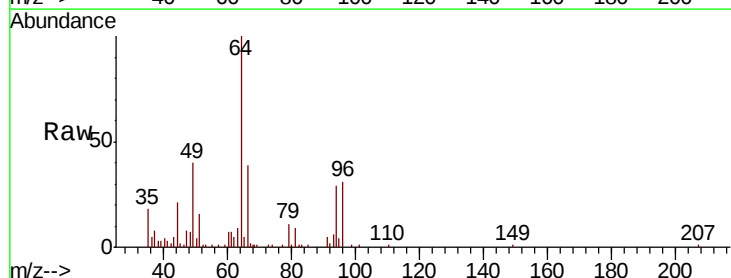
Acq: 18 Dec 2018 19:51

Tgt Ion: 64 Resp: 54037

Ion Ratio Lower Upper

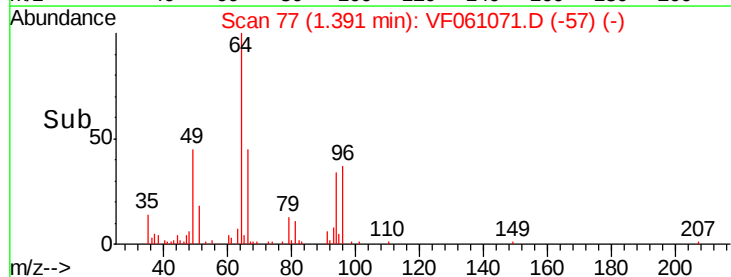
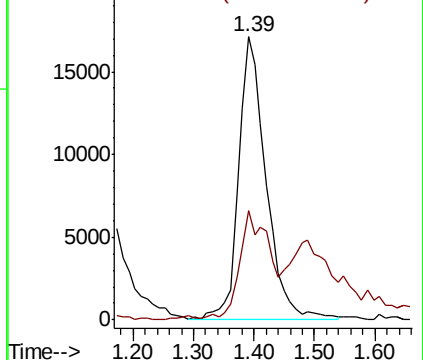
64 100

66 38.6 30.9 46.3



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0





#7

Trichlorofluoromethane

Concen: 41.254 ug/l

RT: 1.50 min Scan# 88

Delta R.T. 0.00 min

Lab File: VF061071.D

Acq: 18 Dec 2018 19:51

Instrument :

MSVOA_F

ClientSampleId :

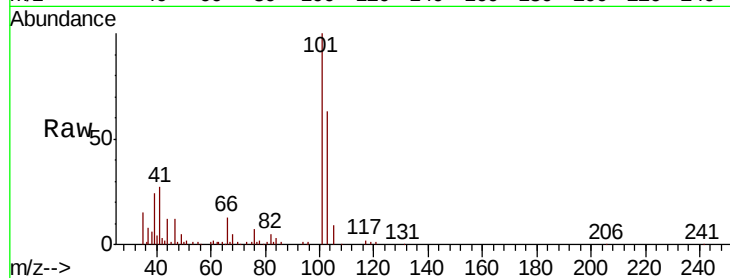
VSTDICCC050

Tgt Ion:101 Resp: 163082

Ion Ratio Lower Upper

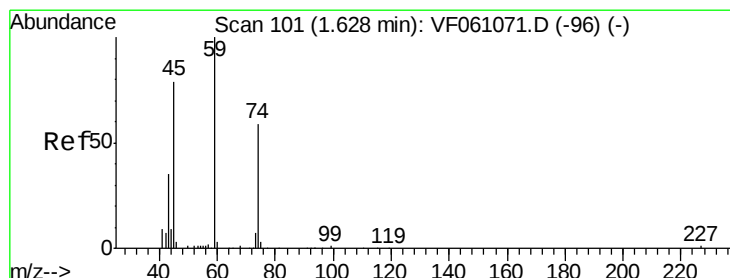
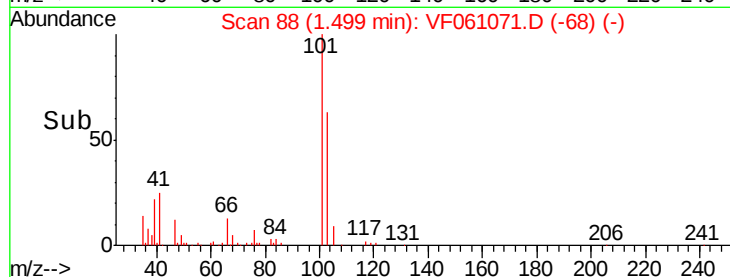
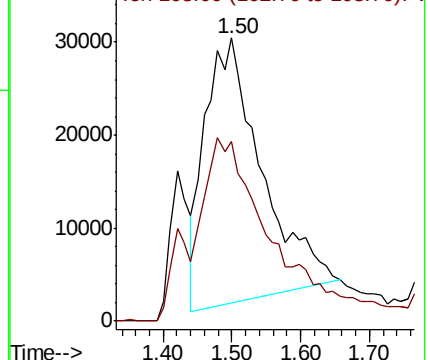
101 100

103 63.4 50.7 76.1



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 54.795 ug/l

RT: 1.63 min Scan# 101

Delta R.T. 0.00 min

Lab File: VF061071.D

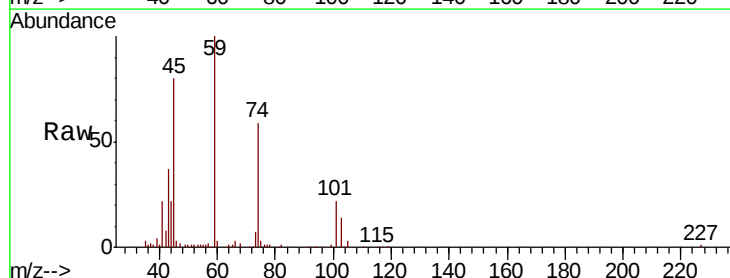
Acq: 18 Dec 2018 19:51

Tgt Ion: 74 Resp: 31005

Ion Ratio Lower Upper

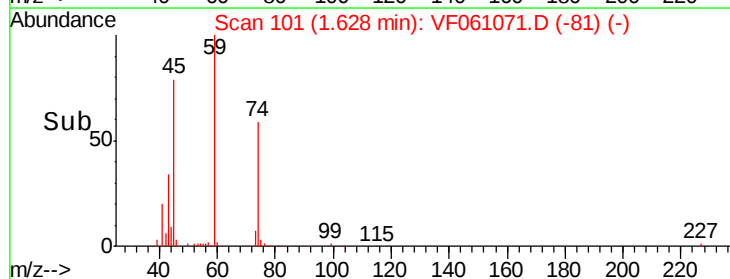
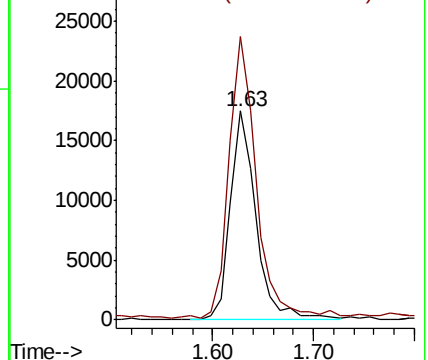
74 100

45 135.6 67.8 203.4



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: 56.008 ug/l

RT: 1.83 min Scan# 122

Delta R.T. 0.00 min

Lab File: VF061071.D

Acq: 18 Dec 2018 19:51

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

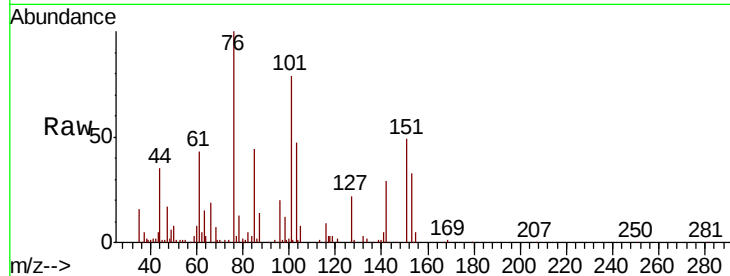
Tgt Ion:101 Resp: 111793

Ion Ratio Lower Upper

101 100

85 55.6 44.5 66.7

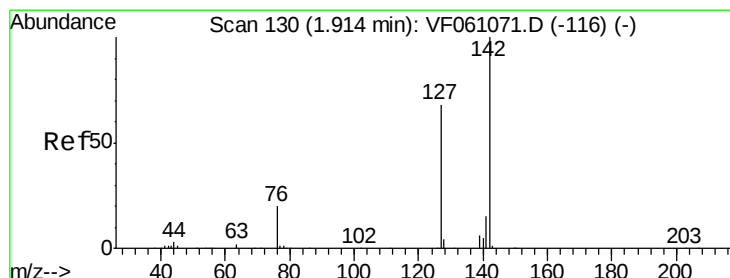
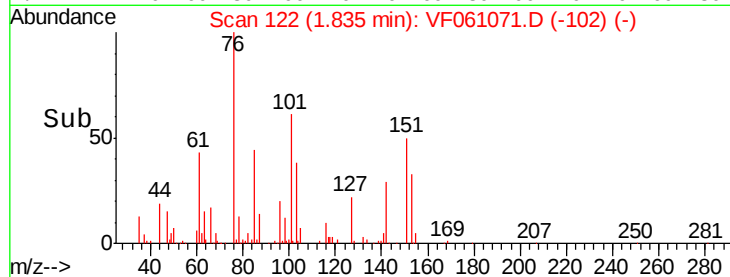
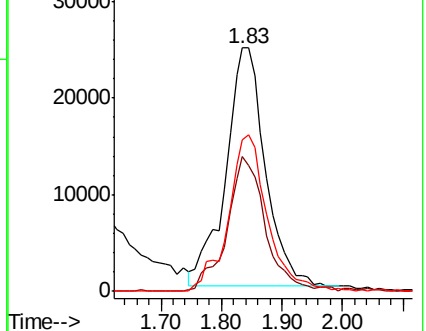
151 62.4 49.9 74.9



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: 49.774 ug/l

RT: 1.91 min Scan# 130

Delta R.T. 0.00 min

Lab File: VF061071.D

Acq: 18 Dec 2018 19:51

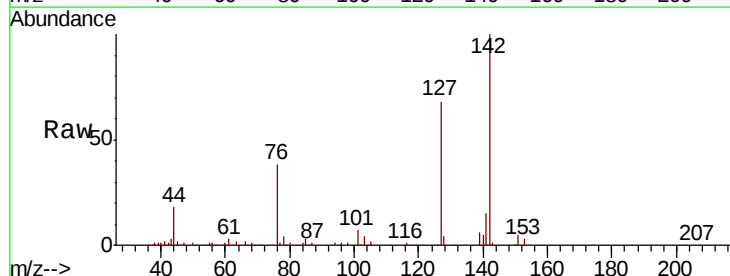
Tgt Ion:142 Resp: 152205

Ion Ratio Lower Upper

142 100

127 68.4 54.7 82.1

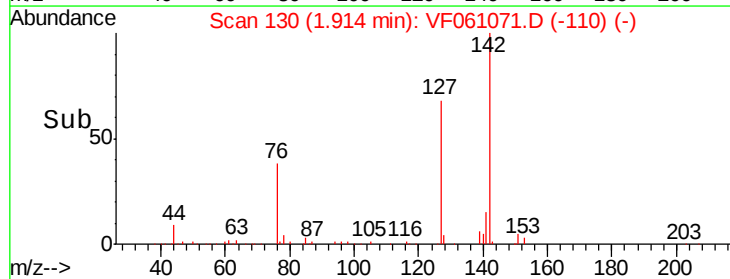
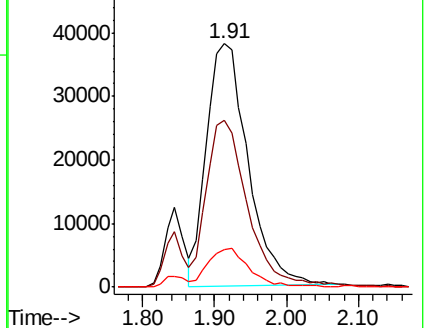
141 15.2 12.2 18.2

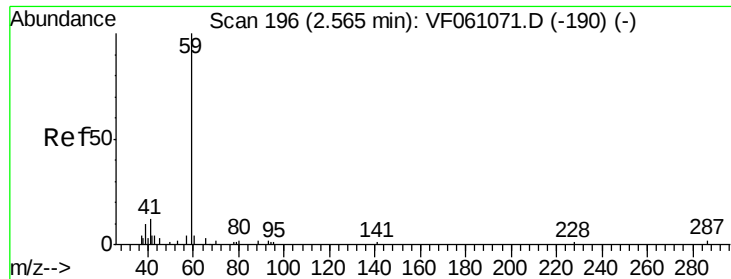


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V

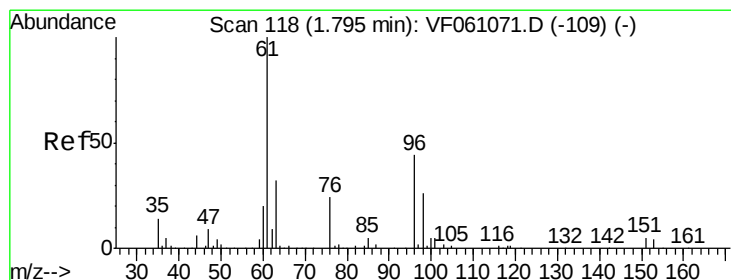
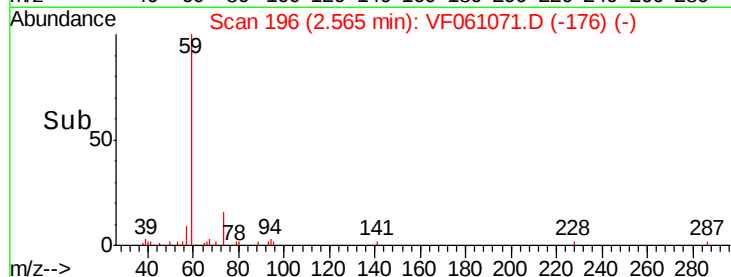
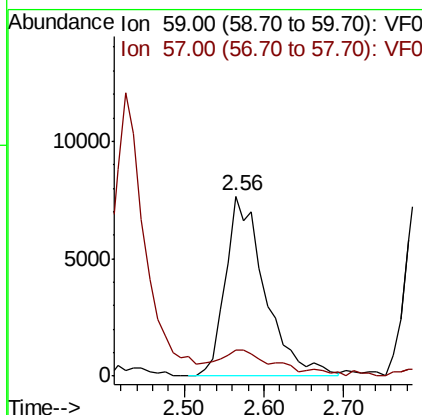
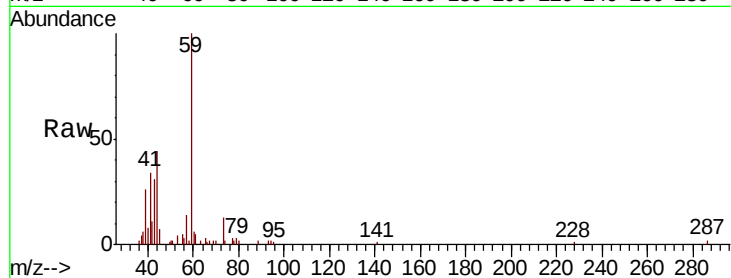




#11
Tert butyl alcohol
Concen: 274.912 ug/l
RT: 2.56 min Scan# 196
Delta R.T. 0.00 min
Lab File: VF061071.D
Acq: 18 Dec 2018 19:51

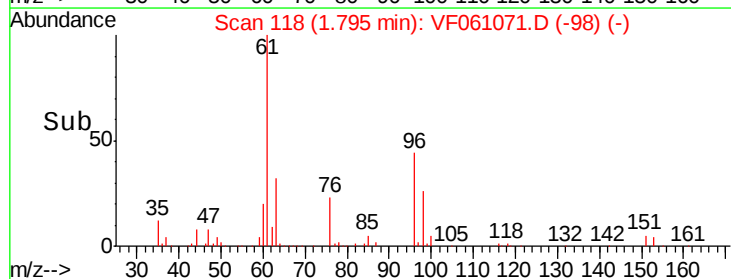
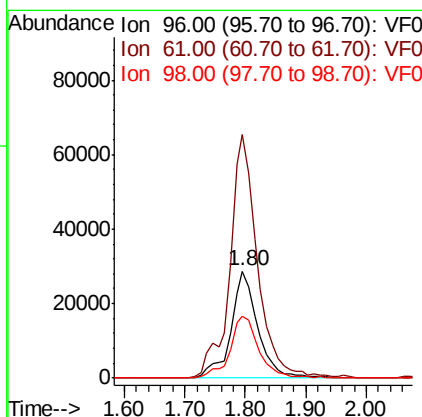
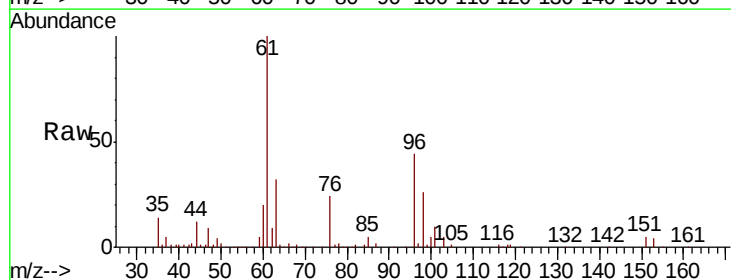
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

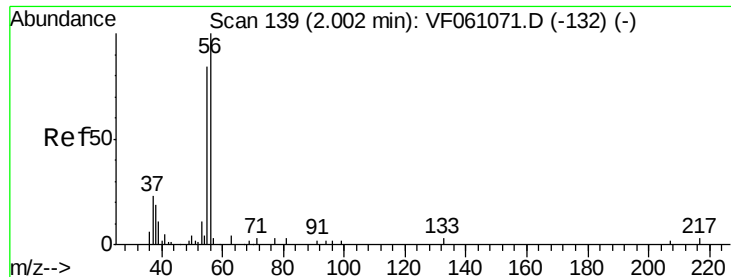
Tgt Ion: 59 Resp: 26538
Ion Ratio Lower Upper
59 100
57 14.4 11.5 17.3



#12
1,1-Dichloroethene
Concen: 55.359 ug/l
RT: 1.80 min Scan# 118
Delta R.T. 0.00 min
Lab File: VF061071.D
Acq: 18 Dec 2018 19:51

Tgt Ion: 96 Resp: 88799
Ion Ratio Lower Upper
96 100
61 227.5 182.0 273.0
98 58.1 46.5 69.7

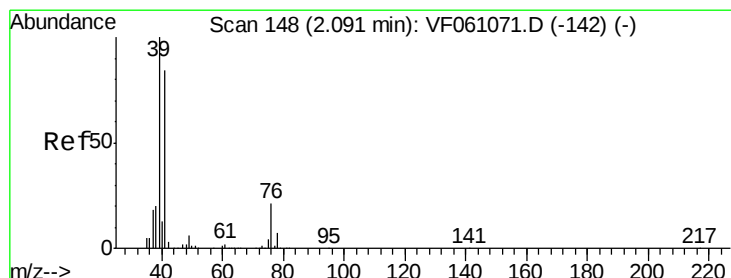
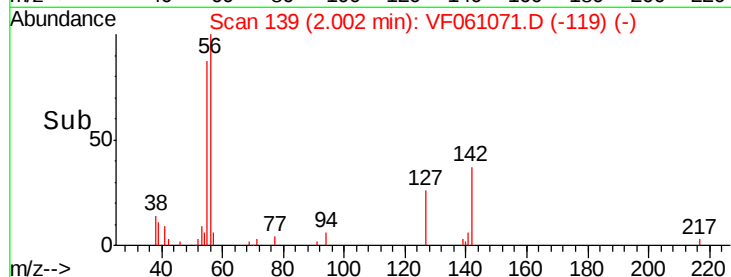
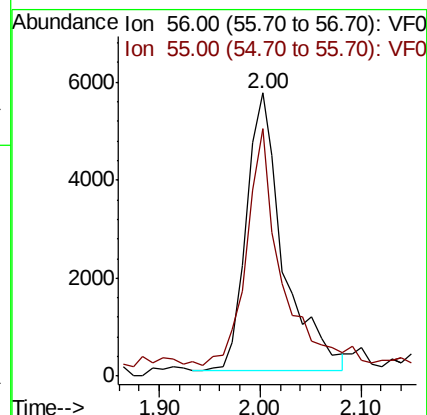
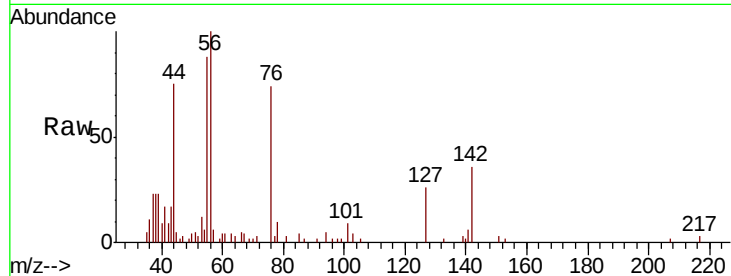




#13
Acrolein
Concen: 173.170 ug/l
RT: 2.00 min Scan# 139
Delta R.T. 0.00 min
Lab File: VF061071.D
Acq: 18 Dec 2018 19:51

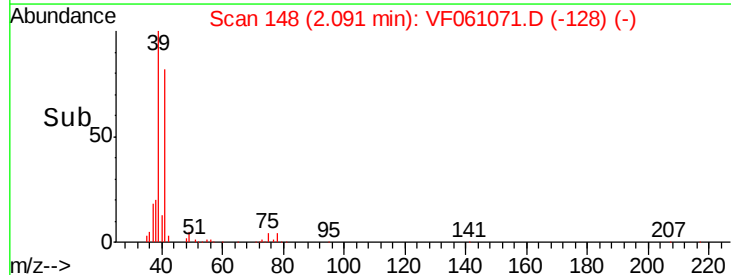
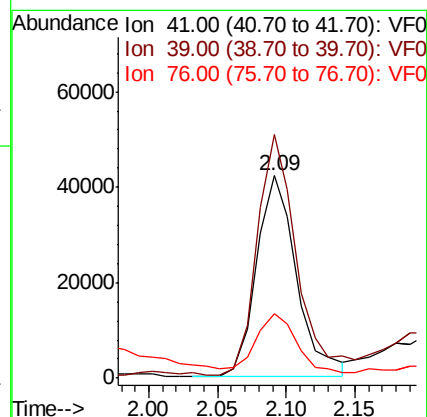
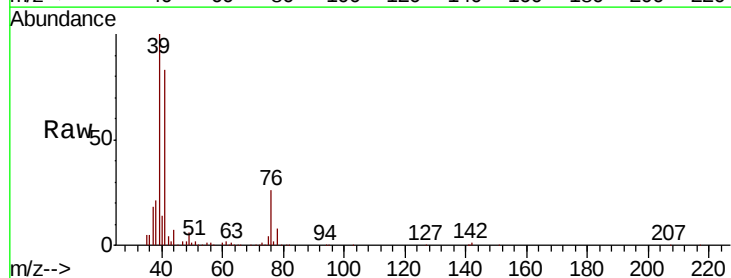
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

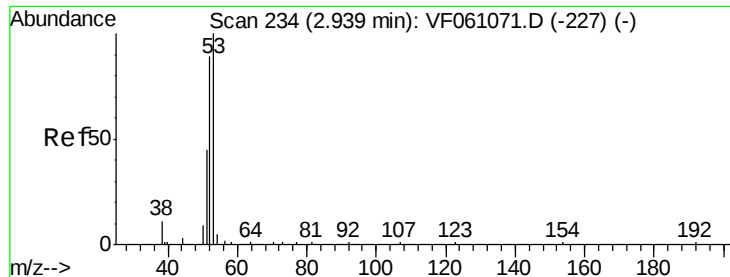
Tgt Ion: 56 Resp: 14514
Ion Ratio Lower Upper
56 100
55 87.7 70.2 105.2



#14
Allyl chloride
Concen: 45.588 ug/l
RT: 2.09 min Scan# 148
Delta R.T. 0.00 min
Lab File: VF061071.D
Acq: 18 Dec 2018 19:51

Tgt Ion: 41 Resp: 85278
Ion Ratio Lower Upper
41 100
39 120.5 96.4 144.6
76 31.7 25.4 38.0





#15

Acrylonitrile

Concen: 285.365 ug/l

RT: 2.94 min Scan# 234

Delta R.T. 0.00 min

Lab File: VF061071.D

Acq: 18 Dec 2018 19:51

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

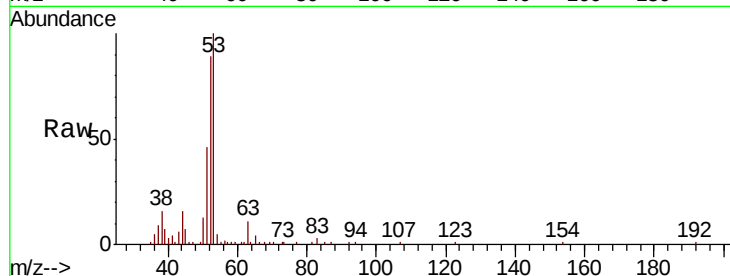
Tgt Ion: 53 Resp: 63048

Ion Ratio Lower Upper

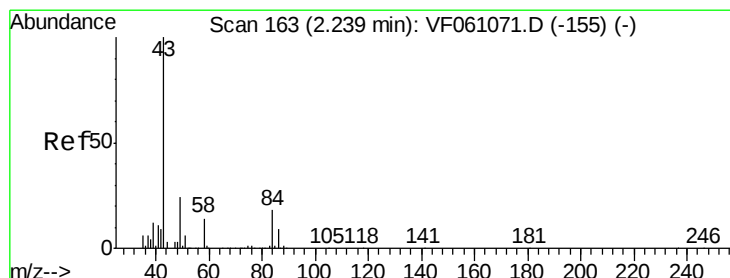
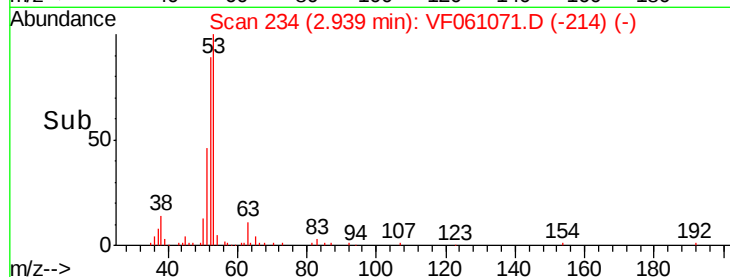
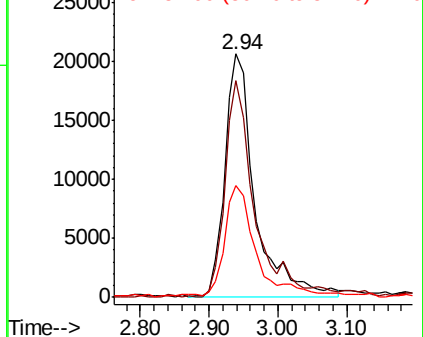
53 100

52 89.1 71.3 106.9

51 46.0 36.8 55.2



Abundance Ion 53.00 (52.70 to 53.70): VF0
Ion 52.00 (51.70 to 52.70): VF0
Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 302.167 ug/l

RT: 2.24 min Scan# 163

Delta R.T. 0.00 min

Lab File: VF061071.D

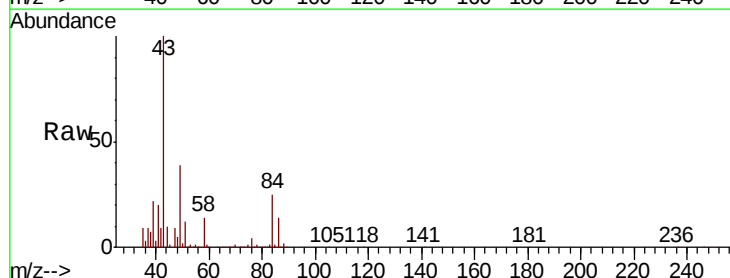
Acq: 18 Dec 2018 19:51

Tgt Ion: 43 Resp: 134933

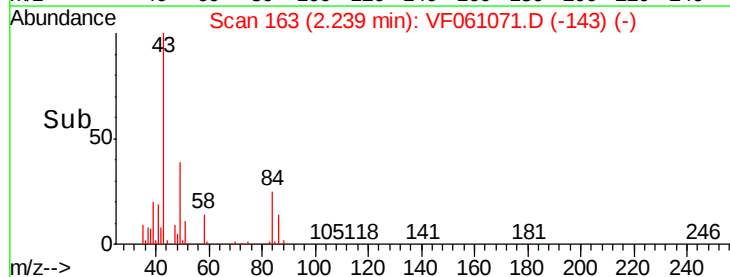
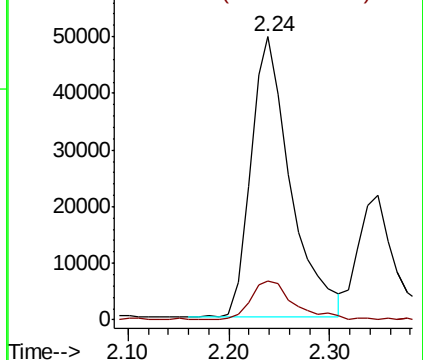
Ion Ratio Lower Upper

43 100

58 13.9 11.1 16.7



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

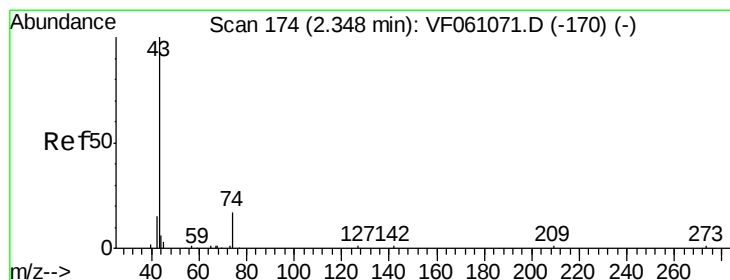
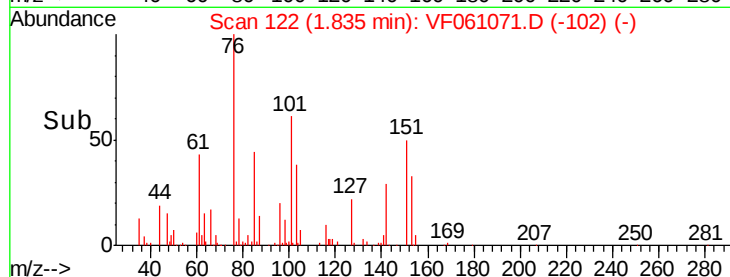
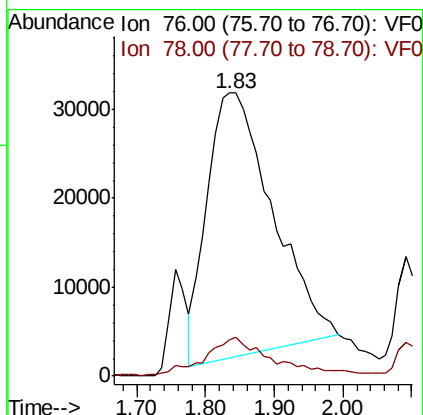
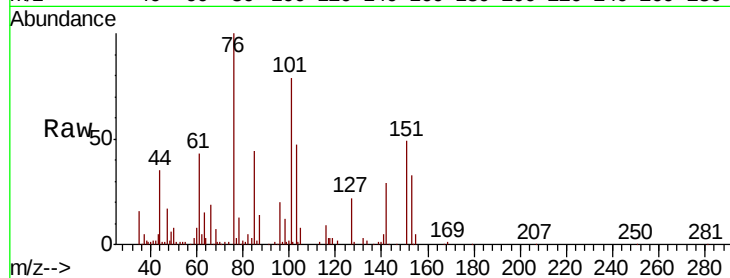




#17
Carbon Disulfide
Concen: 44.706 ug/l
RT: 1.83 min Scan# 122
Delta R.T. 0.00 min
Lab File: VF061071.D
Acq: 18 Dec 2018 19:51

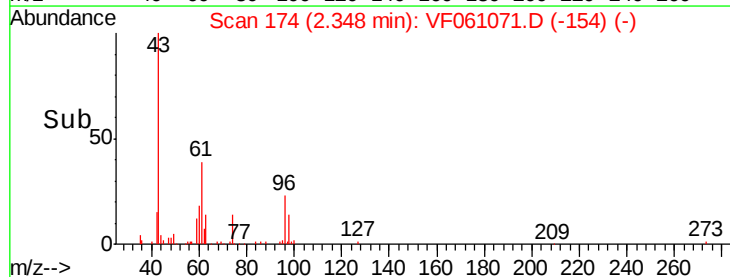
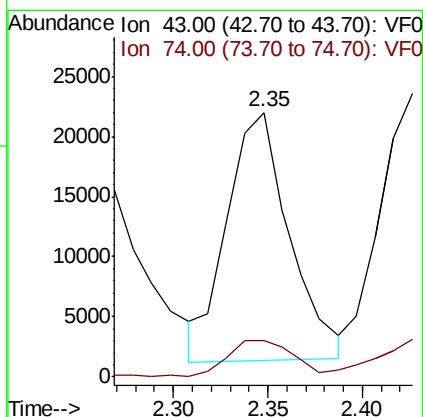
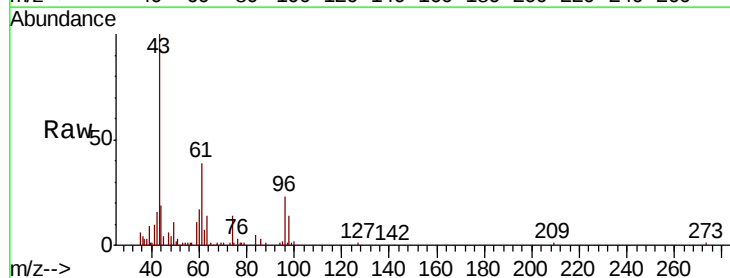
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

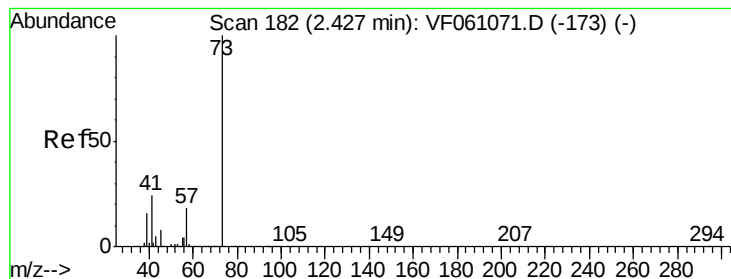
Tgt Ion: 76 Resp: 196651
Ion Ratio Lower Upper
76 100
78 12.8 10.2 15.4



#18
Methyl Acetate
Concen: 57.072 ug/l
RT: 2.35 min Scan# 174
Delta R.T. 0.00 min
Lab File: VF061071.D
Acq: 18 Dec 2018 19:51

Tgt Ion: 43 Resp: 47194
Ion Ratio Lower Upper
43 100
74 13.8 11.0 16.6



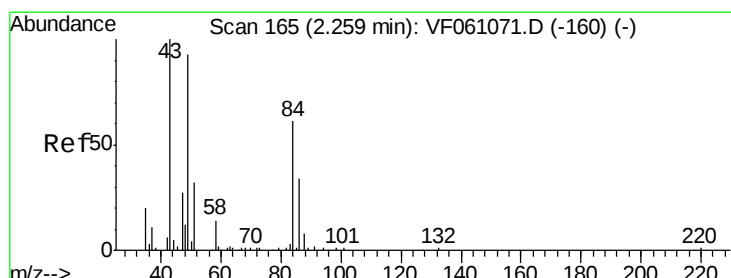
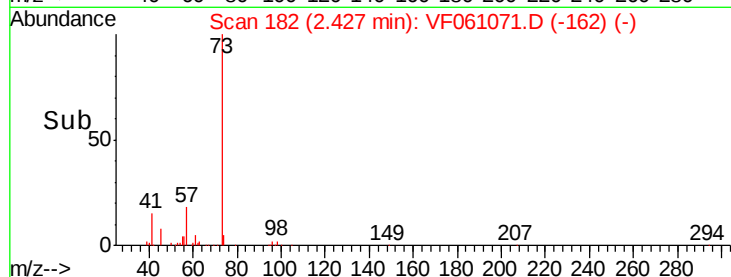
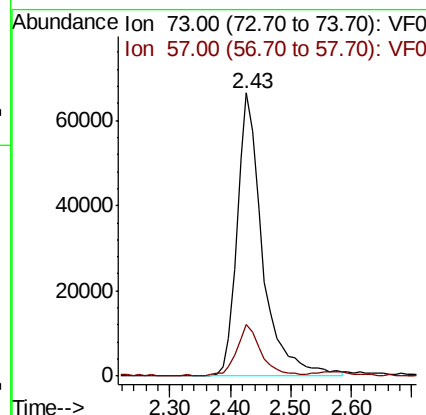
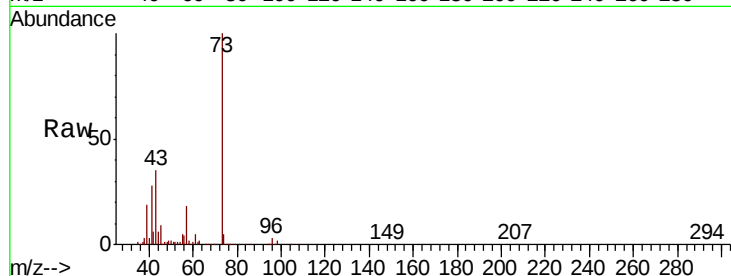


#19

Methyl tert-butyl Ether
 Concen: 53.938 ug/l
 RT: 2.43 min Scan# 182
 Delta R.T. 0.00 min
 Lab File: VF061071.D
 Acq: 18 Dec 2018 19:51

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

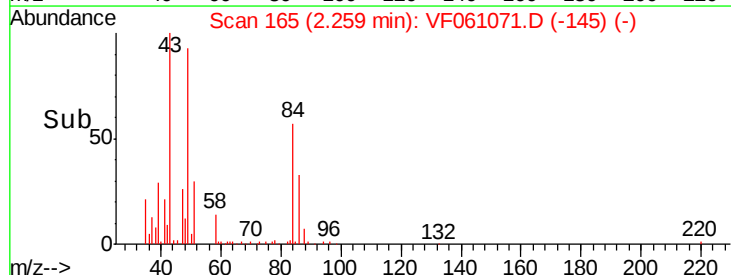
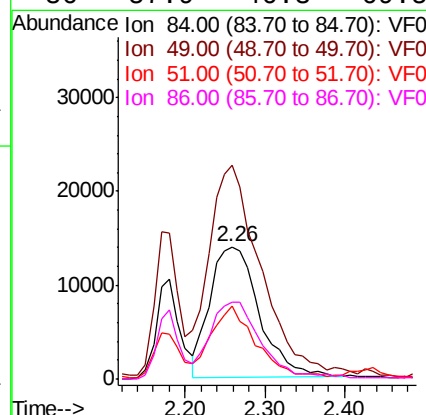
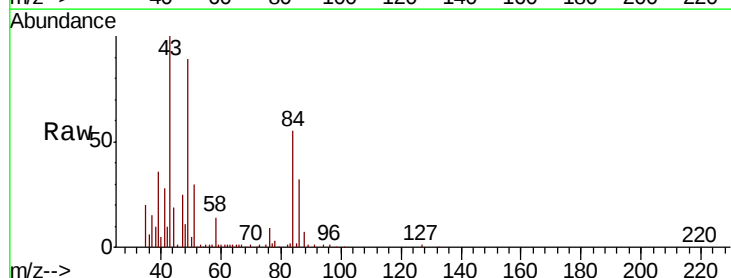
Tgt Ion: 73 Resp: 193197
 Ion Ratio Lower Upper
 73 100
 57 18.1 14.5 21.7

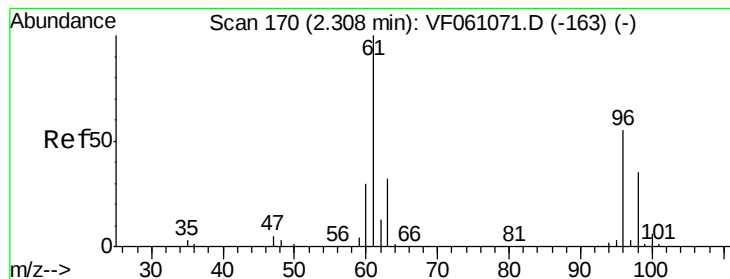


#20

Methylene Chloride
 Concen: 39.518 ug/l
 RT: 2.26 min Scan# 165
 Delta R.T. 0.00 min
 Lab File: VF061071.D
 Acq: 18 Dec 2018 19:51

Tgt Ion: 84 Resp: 60445
 Ion Ratio Lower Upper
 84 100
 49 161.8 129.4 194.2
 51 55.0 44.0 66.0
 86 57.9 46.3 69.5





#21

trans-1,2-Dichloroethene

Concen: 38.924 ug/l

RT: 2.31 min Scan# 170

Delta R.T. 0.00 min

Lab File: VF061071.D

Acq: 18 Dec 2018 19:51

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

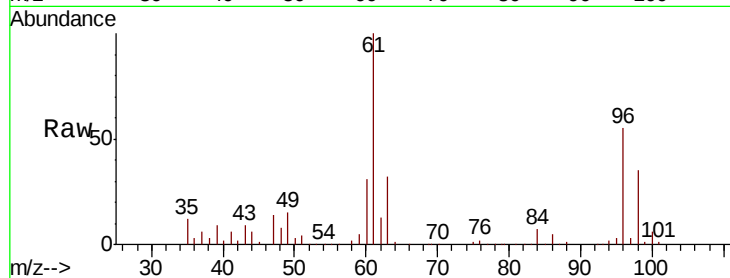
Tgt Ion: 96 Resp: 60209

Ion Ratio Lower Upper

96 100

61 182.5 146.0 219.0

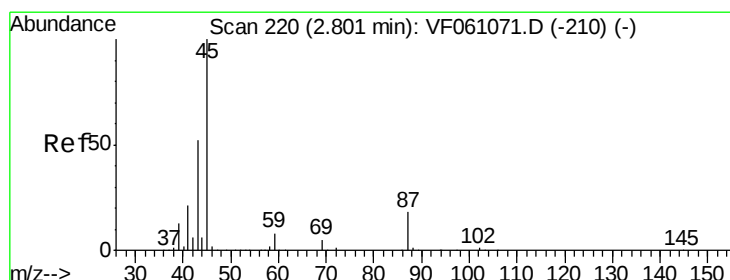
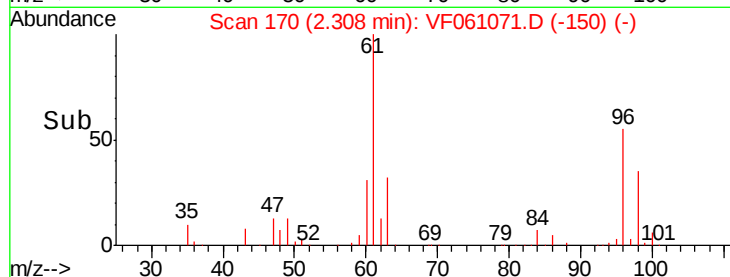
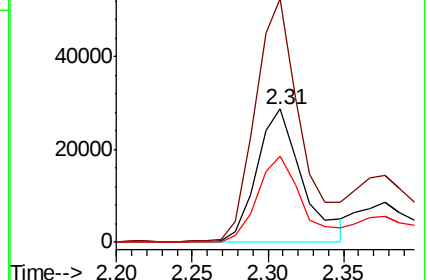
98 64.5 51.6 77.4



Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#22

Diisopropyl ether

Concen: 55.340 ug/l

RT: 2.80 min Scan# 220

Delta R.T. 0.00 min

Lab File: VF061071.D

Acq: 18 Dec 2018 19:51

Tgt Ion: 45 Resp: 299842

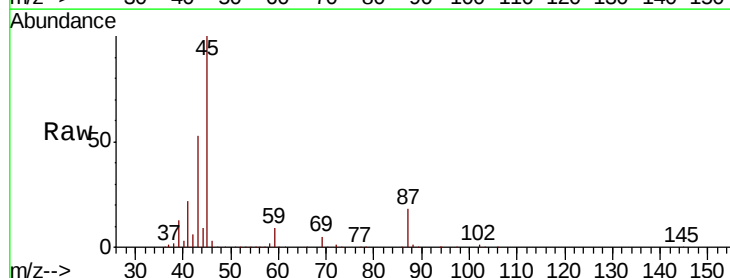
Ion Ratio Lower Upper

45 100

43 52.7 42.2 63.2

87 18.3 14.6 22.0

59 8.7 7.0 10.4

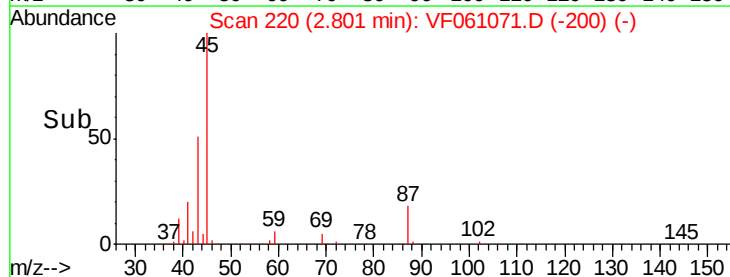
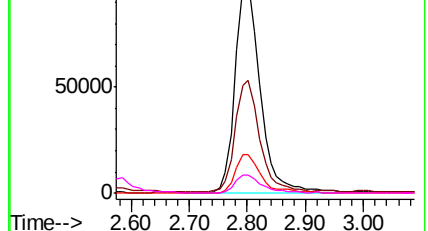


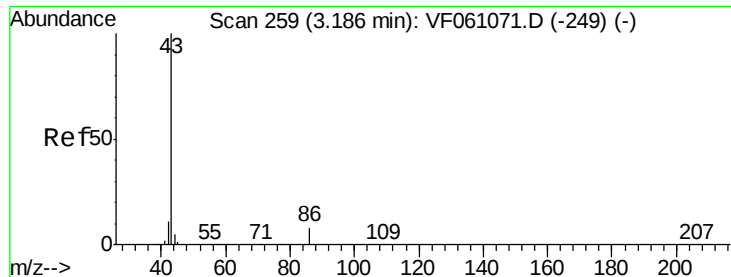
Abundance Ion 45.00 (44.70 to 45.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

Ion 59.00 (58.70 to 59.70): VF0

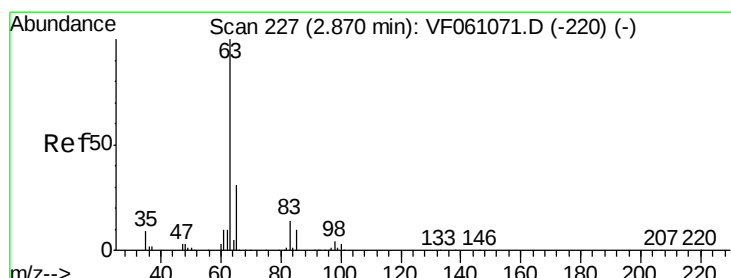
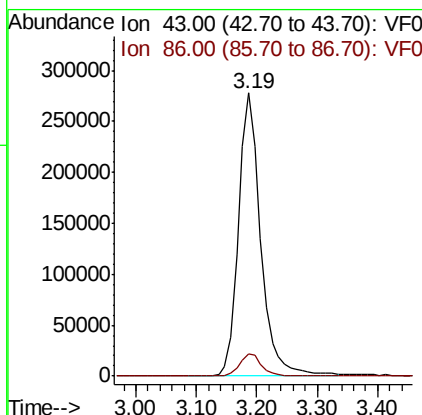
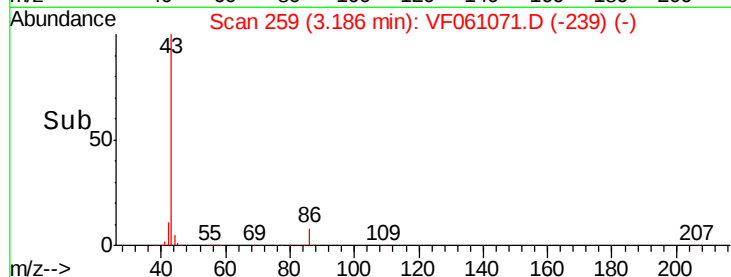
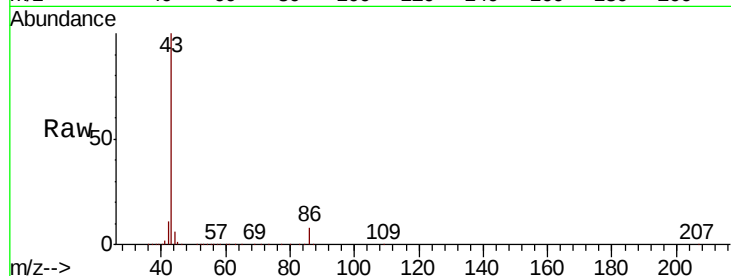




#23
 Vinyl Acetate
 Concen: 283.569 ug/l
 RT: 3.19 min Scan# 259
 Delta R.T. 0.00 min
 Lab File: VF061071.D
 Acq: 18 Dec 2018 19:51

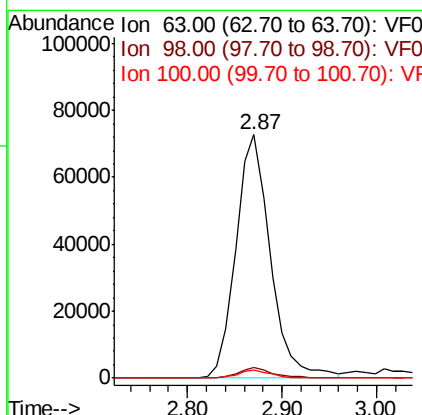
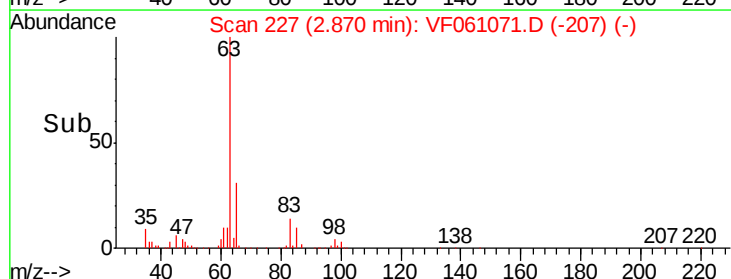
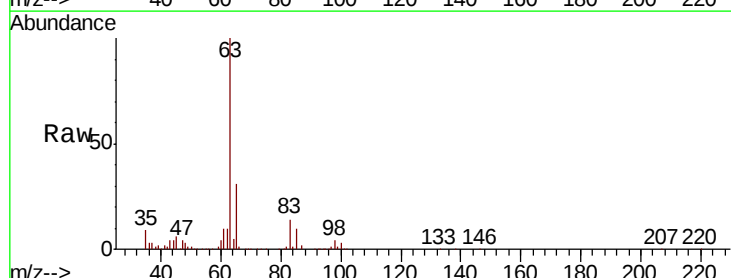
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

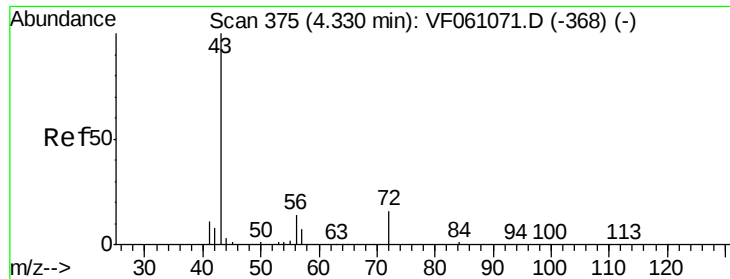
Tgt Ion: 43 Resp: 705158
 Ion Ratio Lower Upper
 43 100
 86 7.9 6.3 9.5



#24
 1,1-Dichloroethane
 Concen: 56.979 ug/l
 RT: 2.87 min Scan# 227
 Delta R.T. 0.00 min
 Lab File: VF061071.D
 Acq: 18 Dec 2018 19:51

Tgt Ion: 63 Resp: 183410
 Ion Ratio Lower Upper
 63 100
 98 4.3 2.1 6.5
 100 3.4 1.7 5.1





#25

2-Butanone

Concen: 273.913 ug/l

RT: 4.33 min Scan# 375

Delta R.T. 0.00 min

Lab File: VF061071.D

Acq: 18 Dec 2018 19:51

Instrument :

MSVOA_F

ClientSampleId :

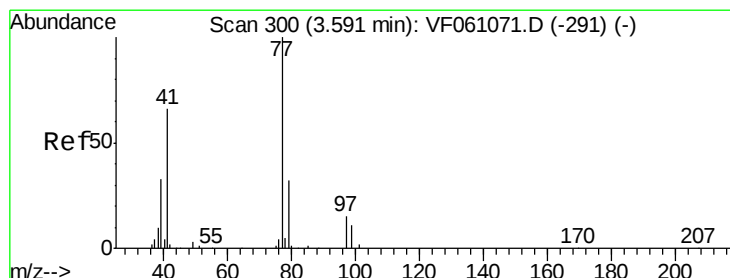
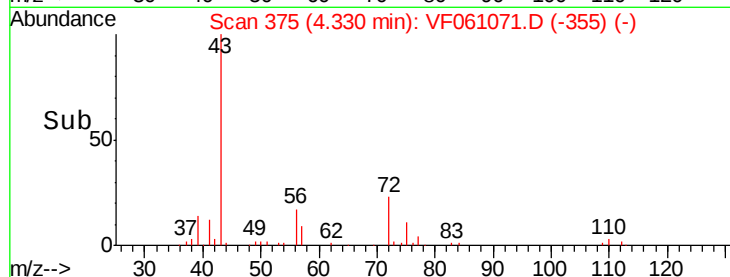
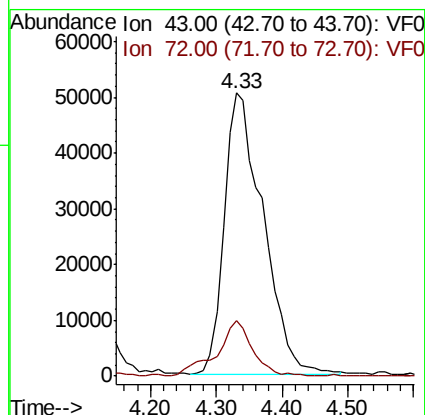
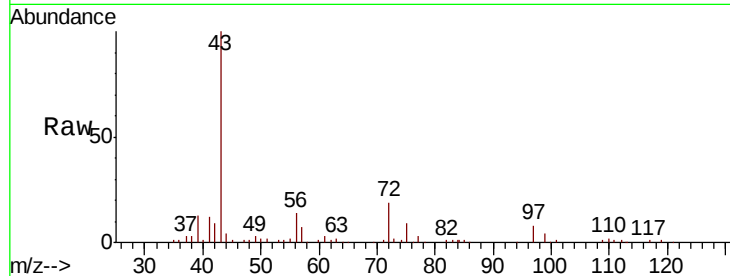
VSTDICCC050

Tgt Ion: 43 Resp: 206908

Ion Ratio Lower Upper

43 100

72 19.5 15.6 23.4



#26

2,2-Dichloropropane

Concen: 50.125 ug/l

RT: 3.59 min Scan# 300

Delta R.T. 0.00 min

Lab File: VF061071.D

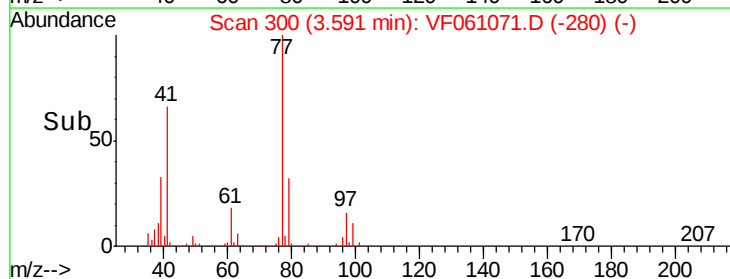
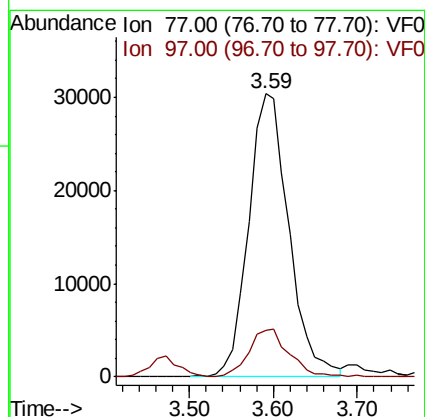
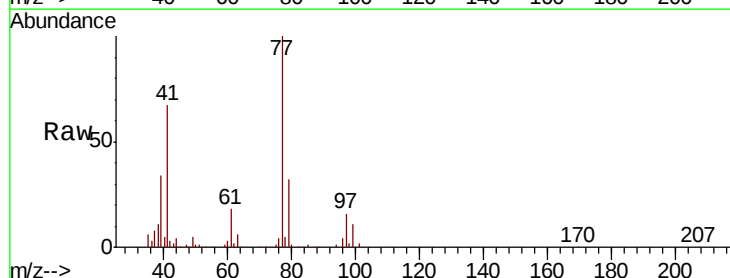
Acq: 18 Dec 2018 19:51

Tgt Ion: 77 Resp: 102054

Ion Ratio Lower Upper

77 100

97 16.3 8.2 24.4



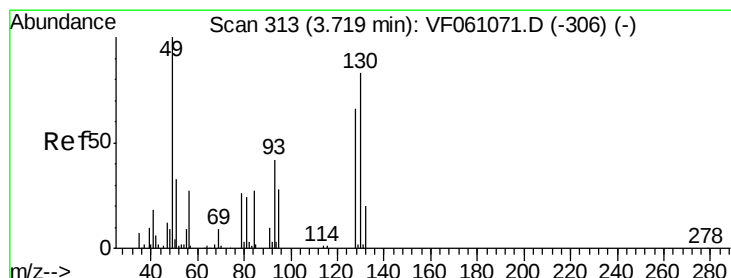
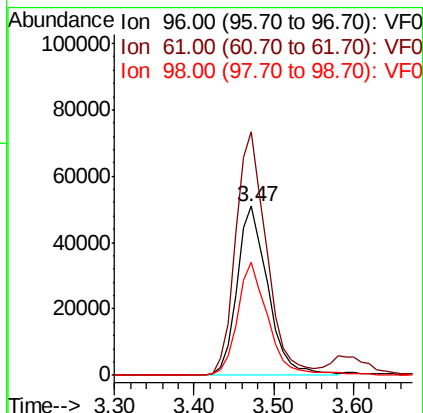
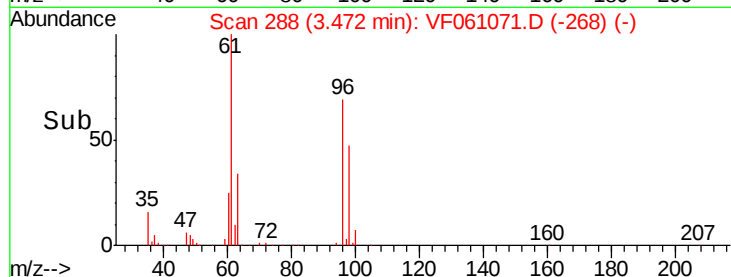
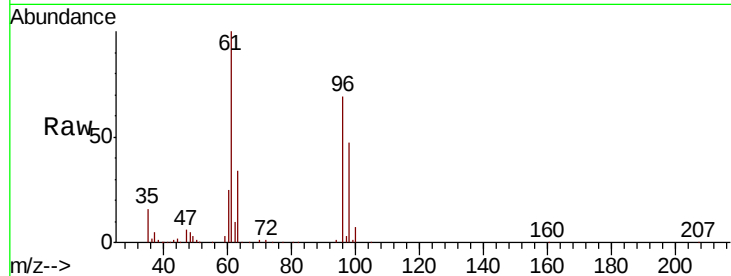


#27

cis-1,2-Dichloroethene
 Concen: 54.619 ug/l
 RT: 3.47 min Scan# 288
 Delta R.T. 0.00 min
 Lab File: VF061071.D
 Acq: 18 Dec 2018 19:51

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

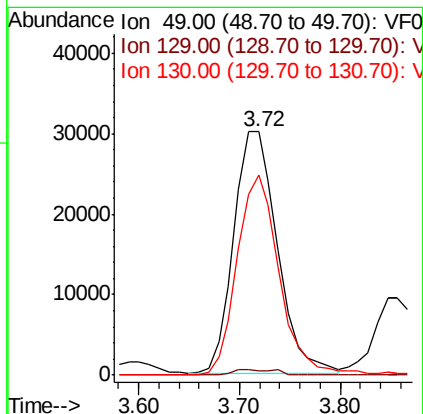
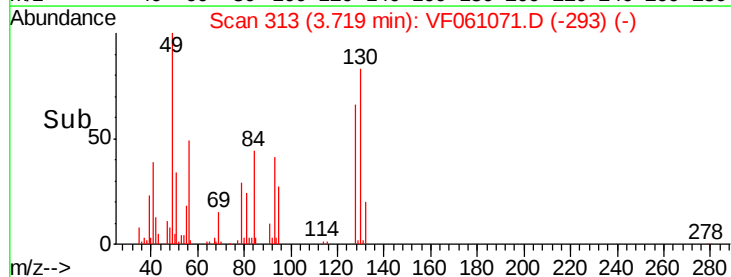
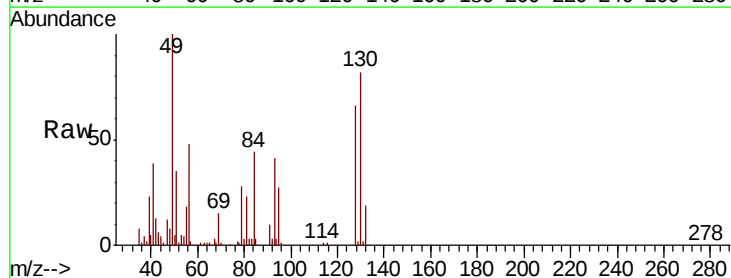
Tgt Ion	Ratio	Lower	Upper
96	100		
61	143.9	0.0	287.8
98	67.1	0.0	134.2

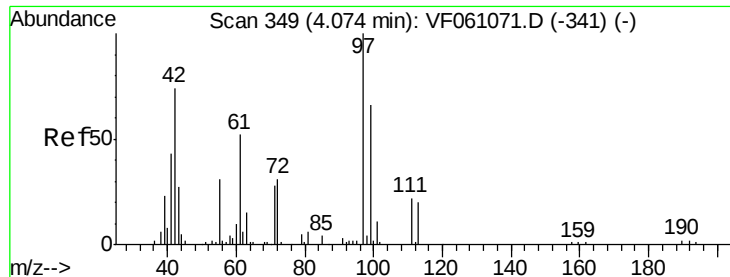


#28

Bromochloromethane
 Concen: 57.337 ug/l
 RT: 3.72 min Scan# 313
 Delta R.T. 0.00 min
 Lab File: VF061071.D
 Acq: 18 Dec 2018 19:51

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.6
130	82.2	65.8	98.6





#29

Tetrahydrofuran

Concen: 256.248 ug/l

RT: 4.07 min Scan# 349

Delta R.T. 0.00 min

Lab File: VF061071.D

Acq: 18 Dec 2018 19:51

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

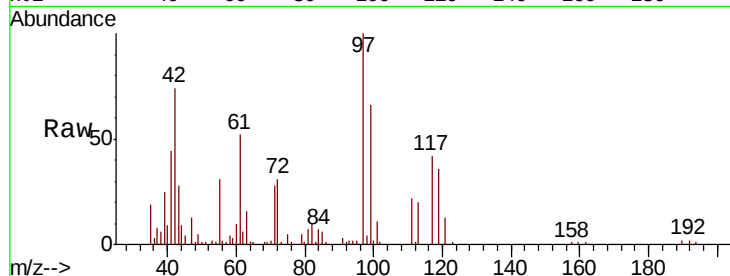
Tgt Ion: 42 Resp: 81632

Ion Ratio Lower Upper

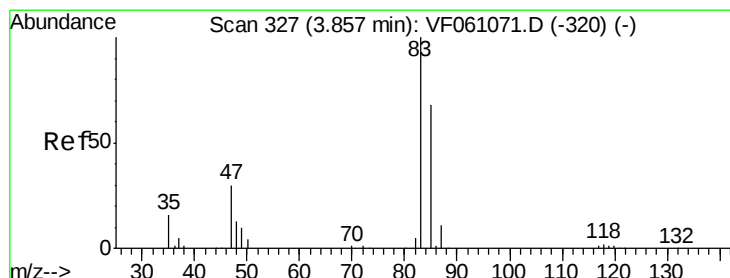
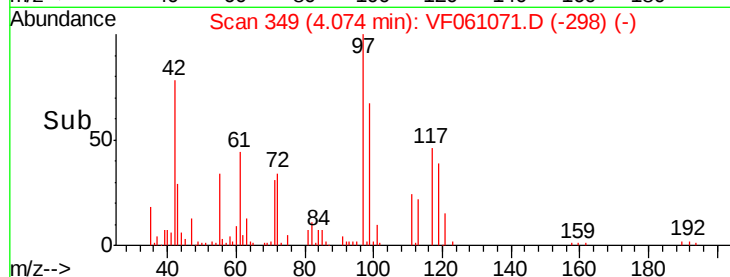
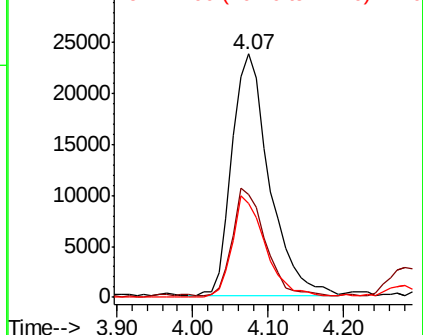
42 100

72 39.8 31.8 47.8

71 37.1 29.7 44.5



Abundance Ion 42.00 (41.70 to 42.70): VF0
Ion 72.00 (71.70 to 72.70): VF0
Ion 71.00 (70.70 to 71.70): VF0



#30

Chloroform

Concen: 54.611 ug/l

RT: 3.86 min Scan# 327

Delta R.T. 0.00 min

Lab File: VF061071.D

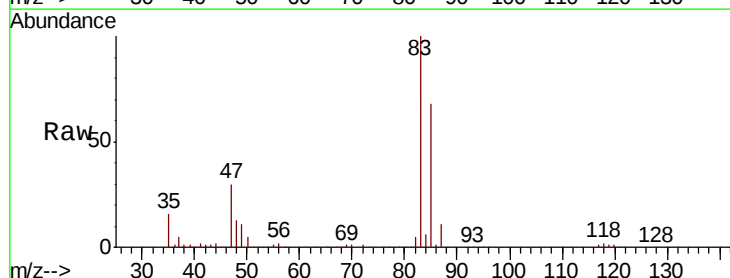
Acq: 18 Dec 2018 19:51

Tgt Ion: 83 Resp: 271415

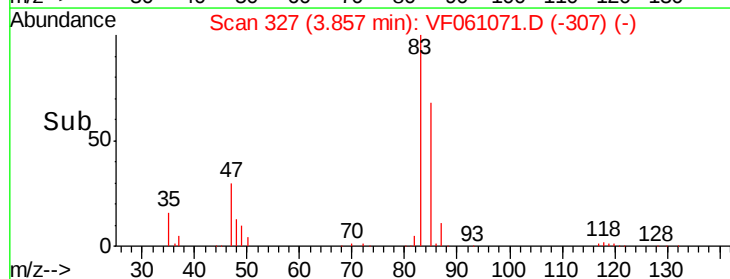
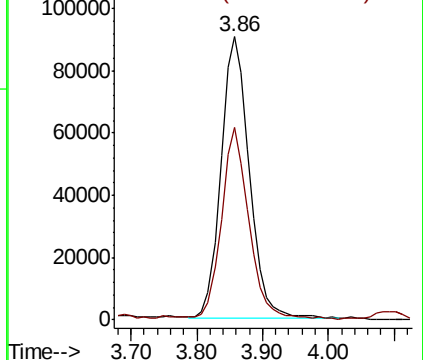
Ion Ratio Lower Upper

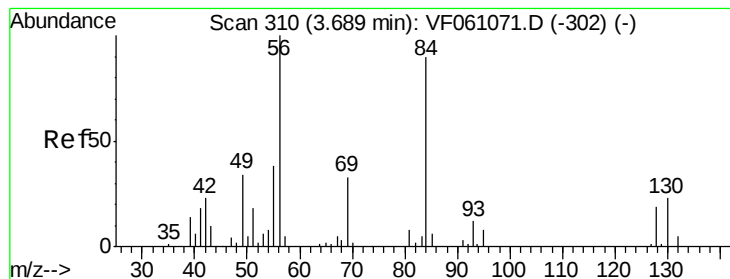
83 100

85 68.1 54.5 81.7



Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 85.00 (84.70 to 85.70): VF0





#31

Cyclohexane

Concen: 30.085 ug/l

RT: 3.69 min Scan# 310

Delta R.T. 0.00 min

Lab File: VF061071.D

Acq: 18 Dec 2018 19:51

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

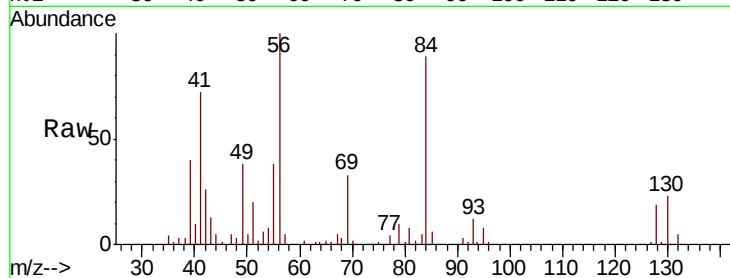
Tgt Ion: 56 Resp: 101572

Ion Ratio Lower Upper

56 100

69 32.5 26.0 39.0

84 89.3 71.4 107.2

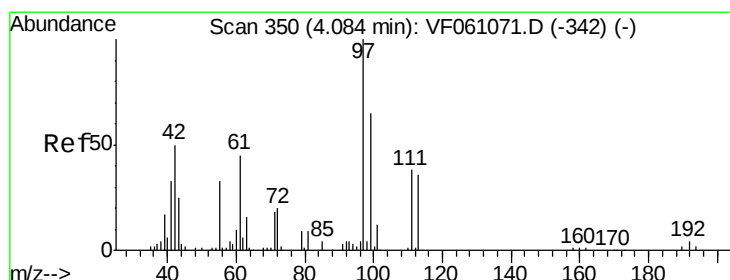
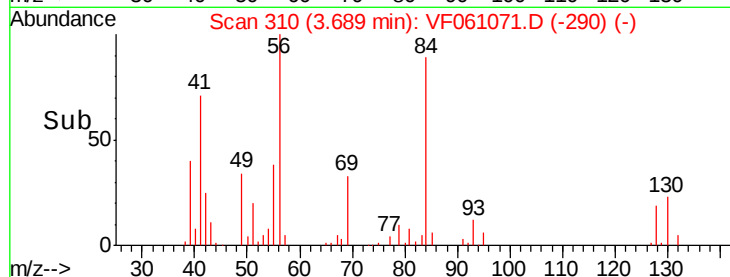
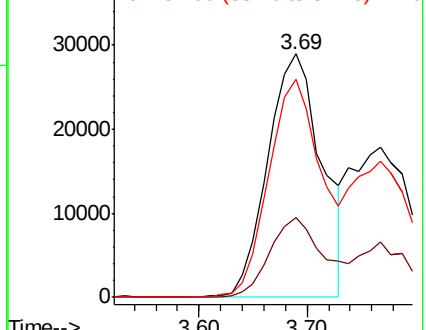


Abundance

Ion 56.00 (55.70 to 56.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 84.00 (83.70 to 84.70): VF0



#32

1,1,1-Trichloroethane

Concen: 47.179 ug/l

RT: 4.08 min Scan# 350

Delta R.T. 0.00 min

Lab File: VF061071.D

Acq: 18 Dec 2018 19:51

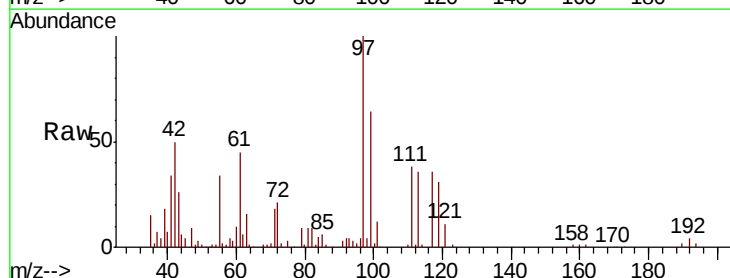
Tgt Ion: 97 Resp: 155207

Ion Ratio Lower Upper

97 100

99 64.5 51.6 77.4

61 45.2 36.2 54.2

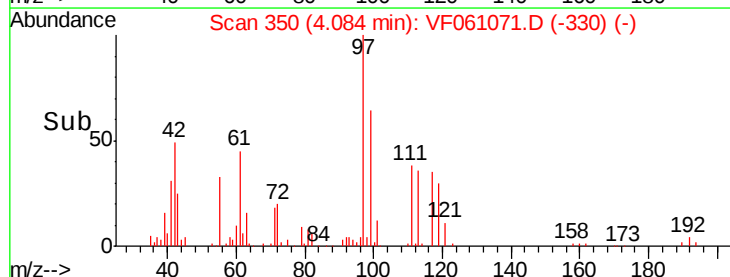
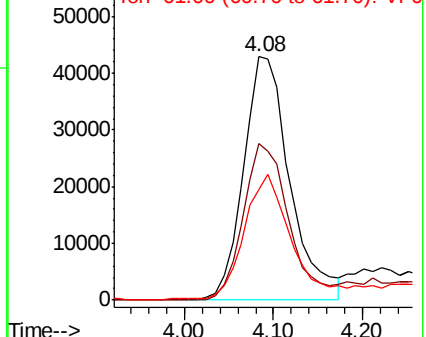


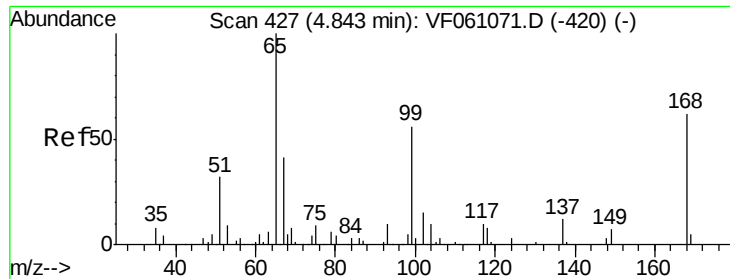
Abundance

Ion 97.00 (96.70 to 97.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

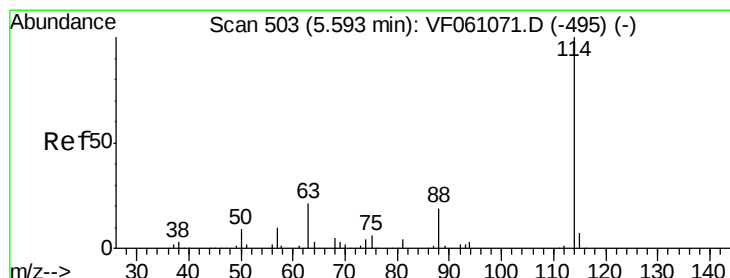
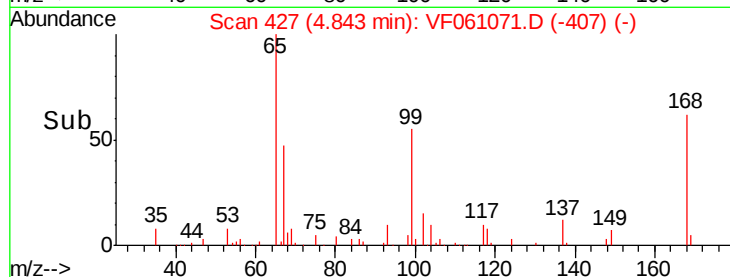
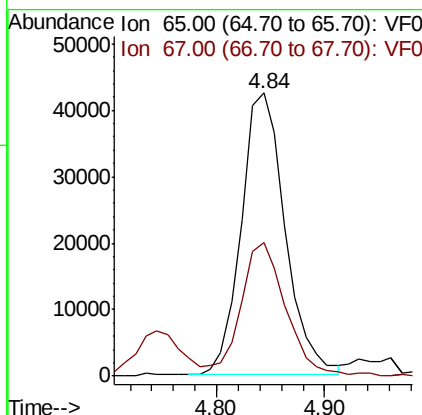
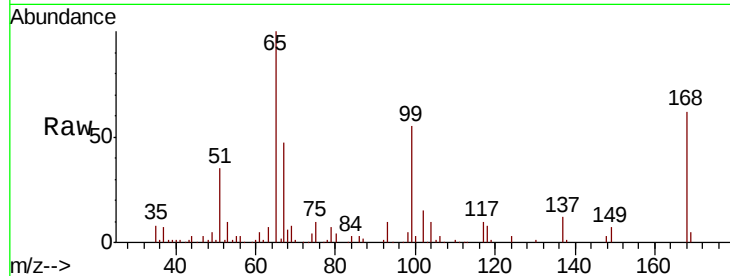




#33
 1,2-Dichloroethane-d4
 Concen: 51.836 ug/l
 RT: 4.84 min Scan# 427
 Delta R.T. 0.00 min
 Lab File: VF061071.D
 Acq: 18 Dec 2018 19:51

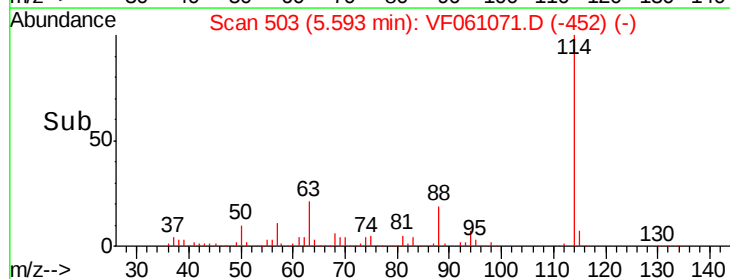
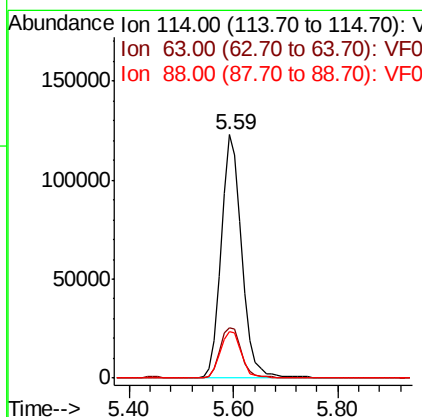
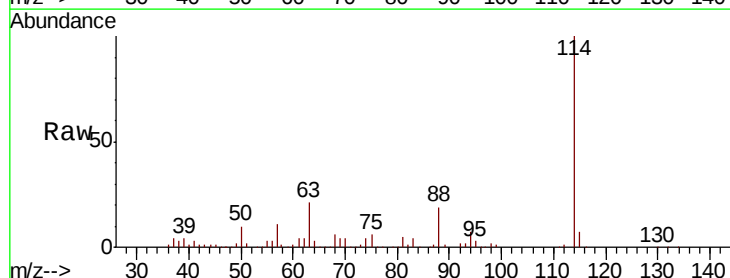
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

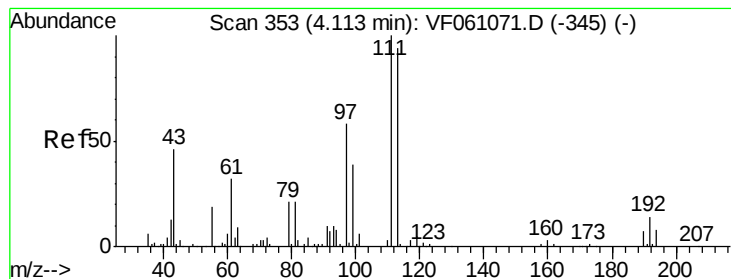
Tgt Ion: 65 Resp: 120682
 Ion Ratio Lower Upper
 65 100
 67 47.3 0.0 94.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.59 min Scan# 503
 Delta R.T. 0.00 min
 Lab File: VF061071.D
 Acq: 18 Dec 2018 19:51

Tgt Ion: 114 Resp: 337564
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 41.6
 88 19.0 0.0 38.0





#35

Dibromofluoromethane

Concen: 47.678 ug/l

RT: 4.11 min Scan# 353

Delta R.T. 0.00 min

Lab File: VF061071.D

Acq: 18 Dec 2018 19:51

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

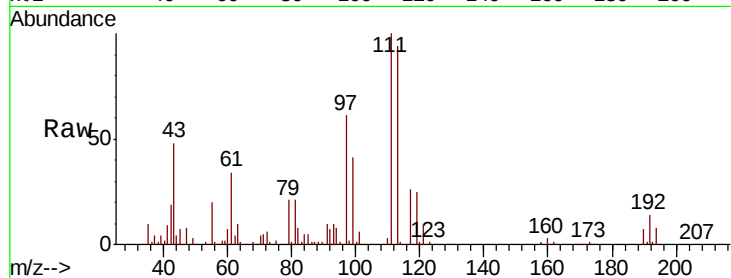
Tgt Ion:113 Resp: 125326

Ion Ratio Lower Upper

113 100

111 106.5 85.2 127.8

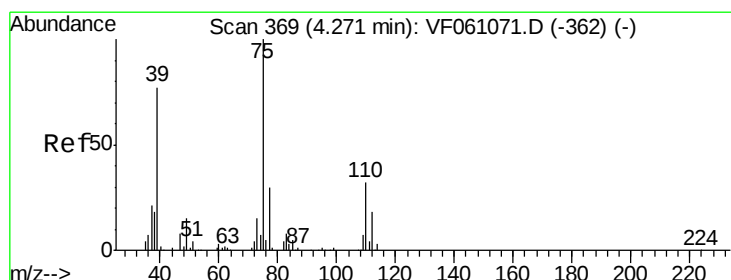
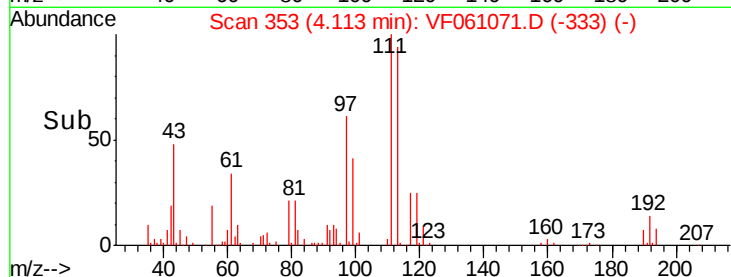
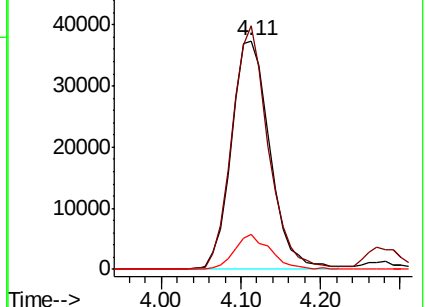
192 16.0 12.8 19.2



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: 54.277 ug/l

RT: 4.27 min Scan# 369

Delta R.T. 0.00 min

Lab File: VF061071.D

Acq: 18 Dec 2018 19:51

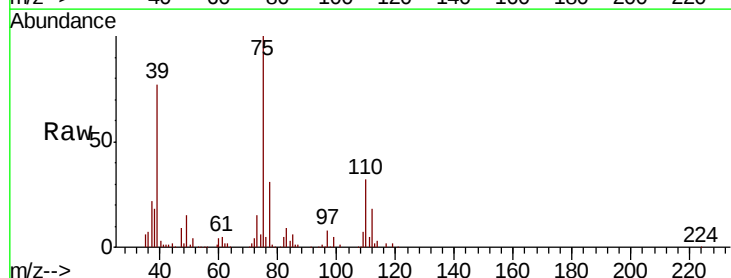
Tgt Ion: 75 Resp: 205165

Ion Ratio Lower Upper

75 100

110 32.1 16.1 48.2

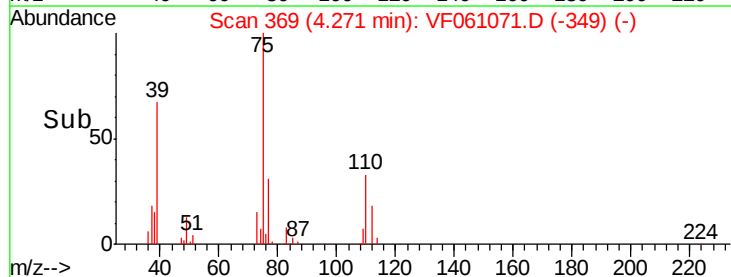
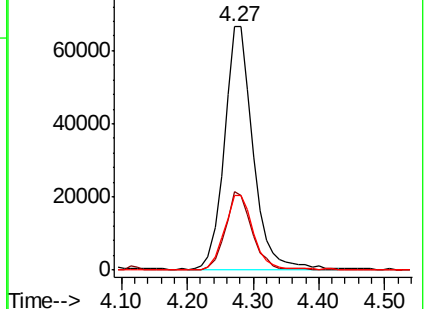
77 30.6 24.5 36.7

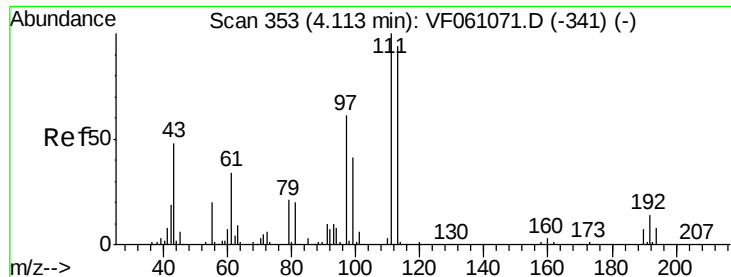


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0





#37

Ethyl Acetate

Concen: 51.870 ug/l

RT: 4.11 min Scan# 353

Delta R.T. 0.00 min

Lab File: VF061071.D

Acq: 18 Dec 2018 19:51

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

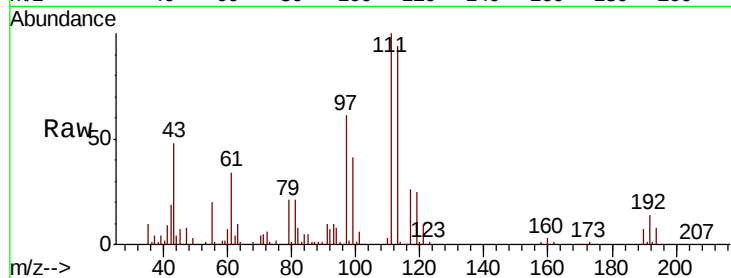
Tgt Ion: 43 Resp: 79203

Ion Ratio Lower Upper

43 100

61 70.7 56.6 84.8

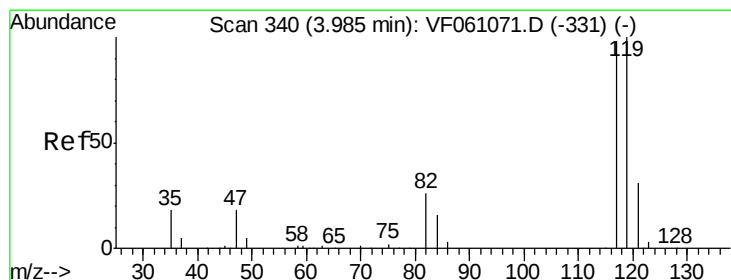
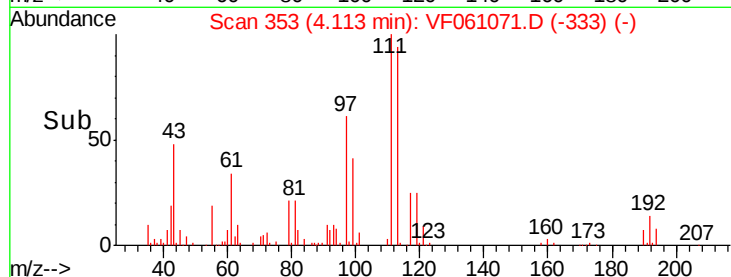
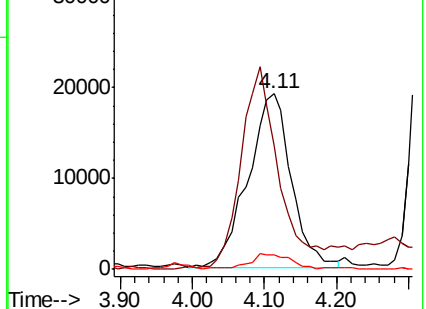
70 7.9 6.3 9.5



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0



#38

Carbon Tetrachloride

Concen: 48.488 ug/l

RT: 3.99 min Scan# 340

Delta R.T. 0.00 min

Lab File: VF061071.D

Acq: 18 Dec 2018 19:51

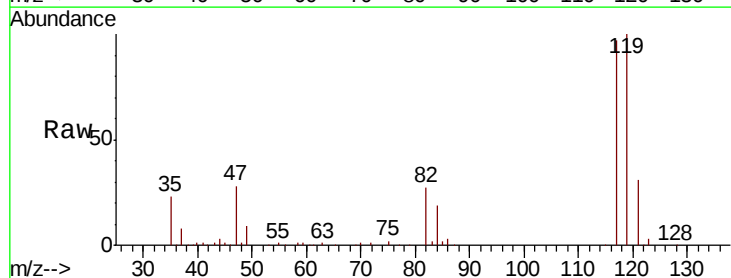
Tgt Ion: 117 Resp: 155191

Ion Ratio Lower Upper

117 100

119 102.6 82.1 123.1

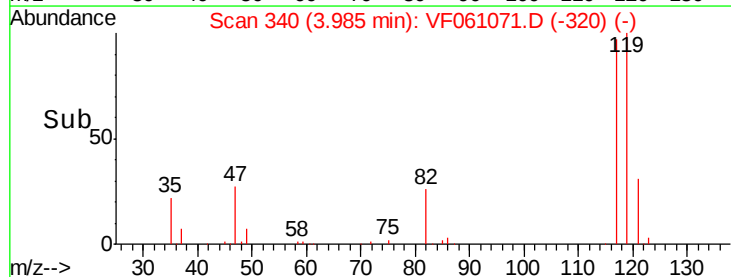
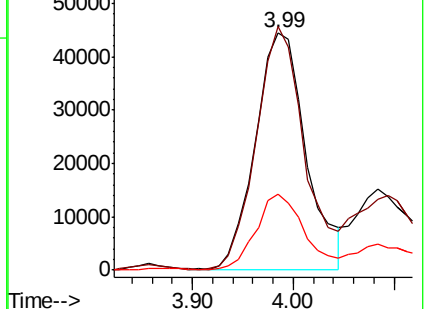
121 31.9 25.5 38.3

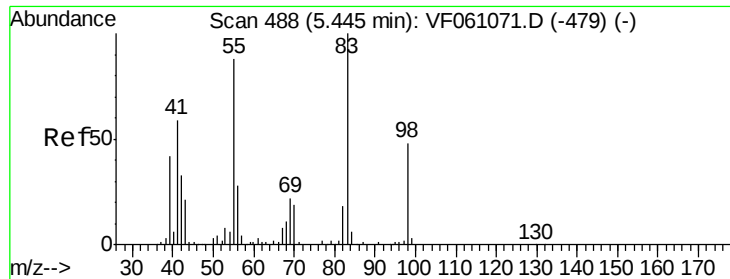


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V

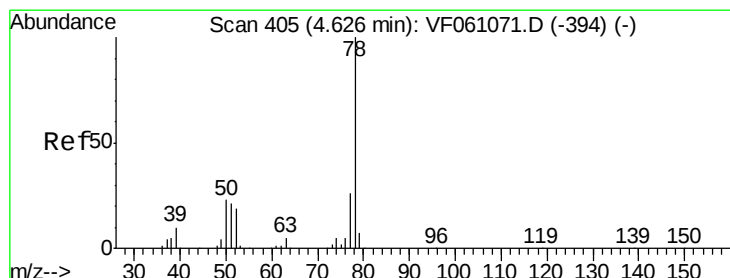
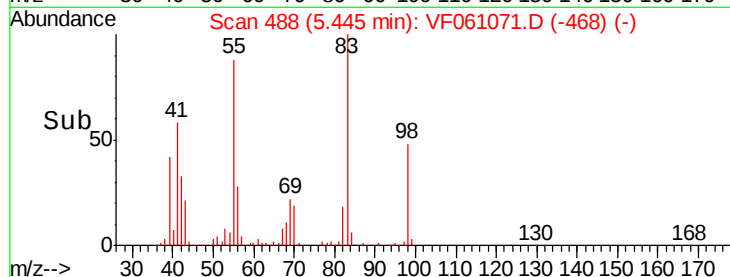
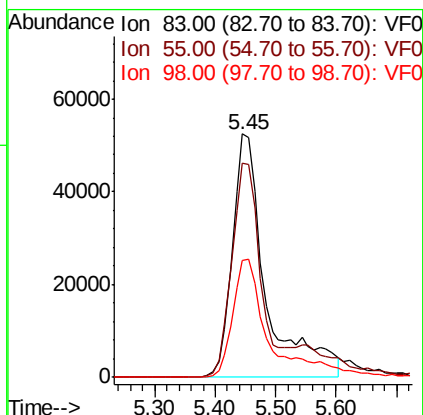
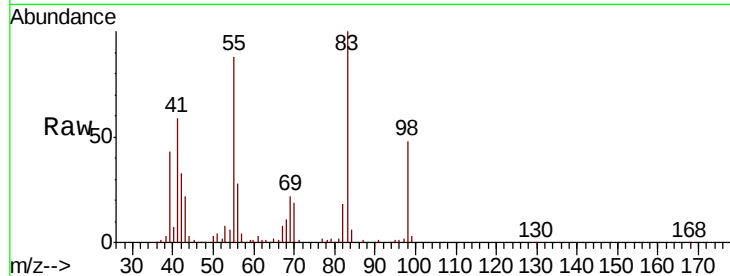




#39
Methylcyclohexane
Concen: 52.314 ug/l
RT: 5.45 min Scan# 488
Delta R.T. 0.00 min
Lab File: VF061071.D
Acq: 18 Dec 2018 19:51

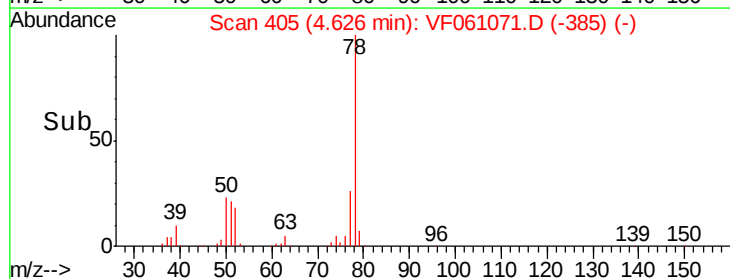
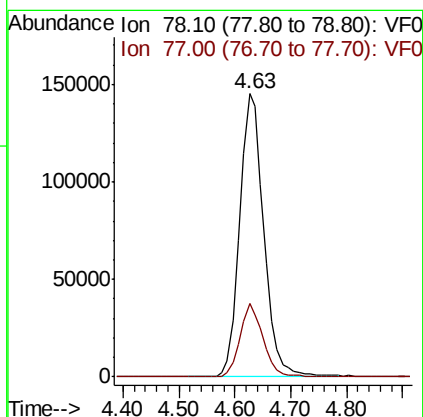
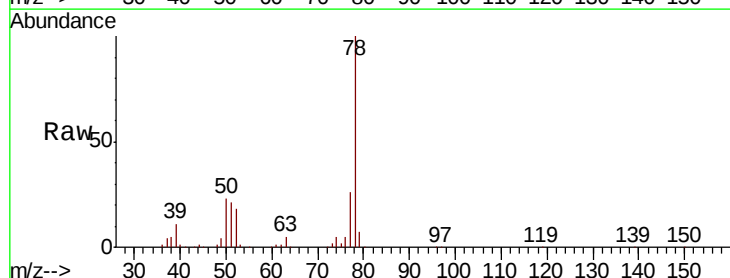
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

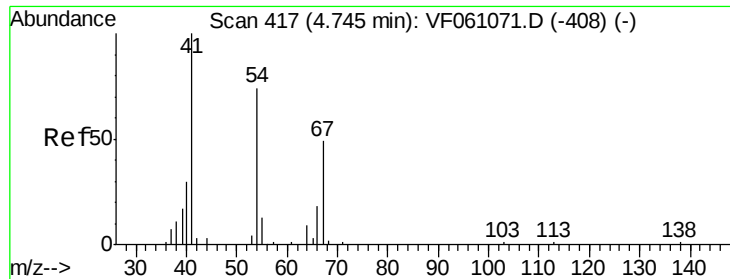
Tgt Ion: 83 Resp: 205561
Ion Ratio Lower Upper
83 100
55 88.2 70.6 105.8
98 48.1 38.5 57.7



#40
Benzene
Concen: 52.075 ug/l
RT: 4.63 min Scan# 405
Delta R.T. 0.00 min
Lab File: VF061071.D
Acq: 18 Dec 2018 19:51

Tgt Ion: 78 Resp: 433005
Ion Ratio Lower Upper
78 100
77 25.9 20.7 31.1

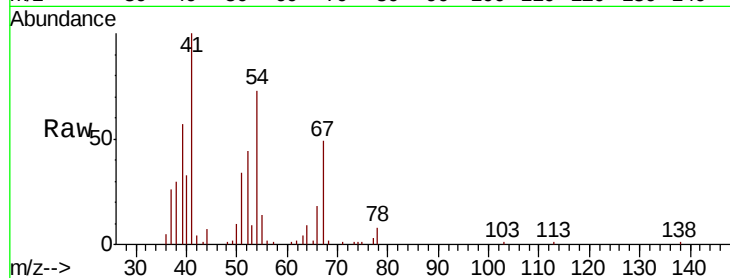




#41
Methacrylonitrile
Concen: 47.184 ug/l
RT: 4.74 min Scan# 417
Delta R.T. 0.00 min
Lab File: VF061071.D
Acq: 18 Dec 2018 19:51

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tgt Ion:	41	Resp:	42651
Ion	Ratio	Lower	Upper
41	100		
39	57.1	45.7	68.5
67	48.6	38.9	58.3
52	44.0	35.2	52.8



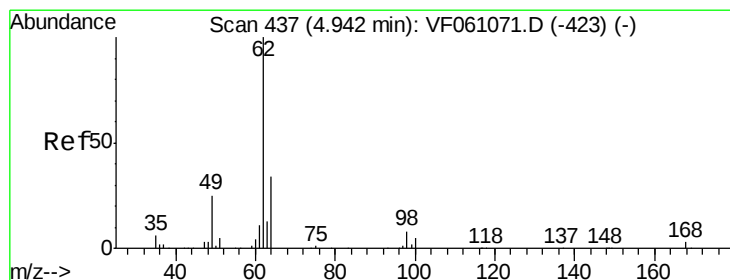
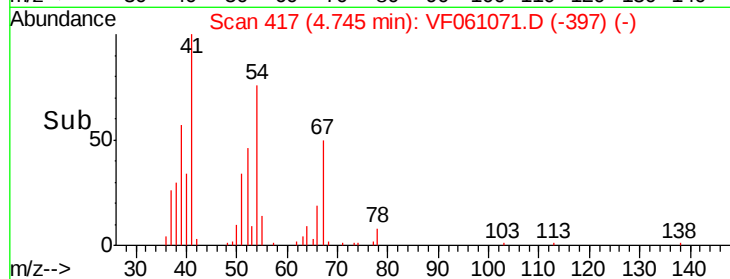
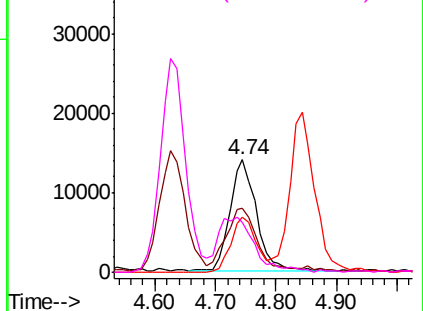
Abundance

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

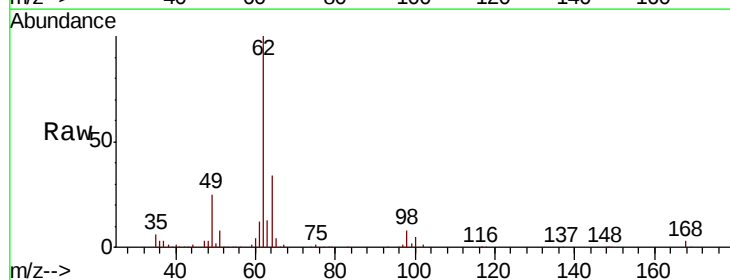
Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#42
1,2-Dichloroethane
Concen: 55.558 ug/l
RT: 4.94 min Scan# 437
Delta R.T. 0.00 min
Lab File: VF061071.D
Acq: 18 Dec 2018 19:51

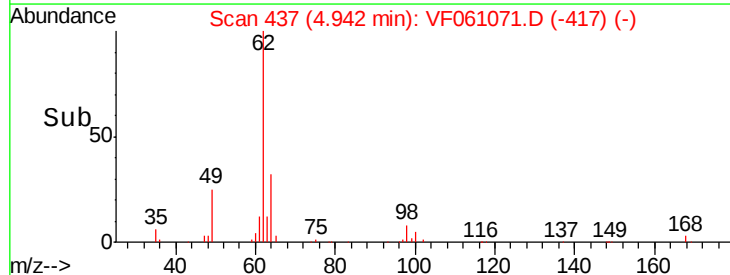
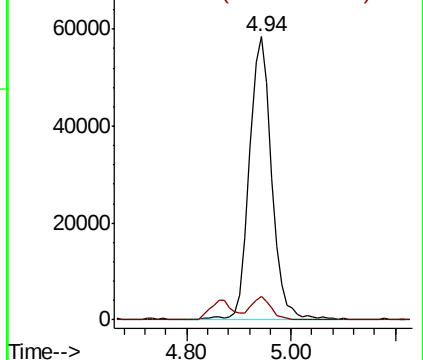
Tgt Ion:	62	Resp:	168427
Ion	Ratio	Lower	Upper
62	100		
98	8.3	0.0	16.6

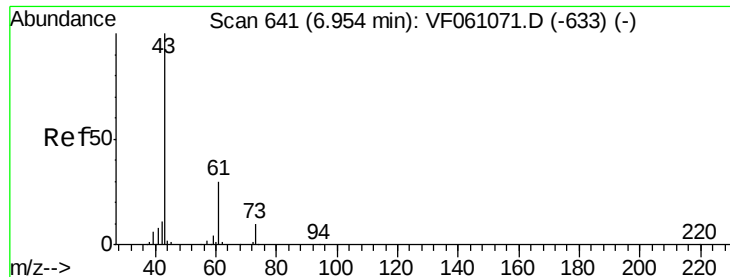


Abundance

Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



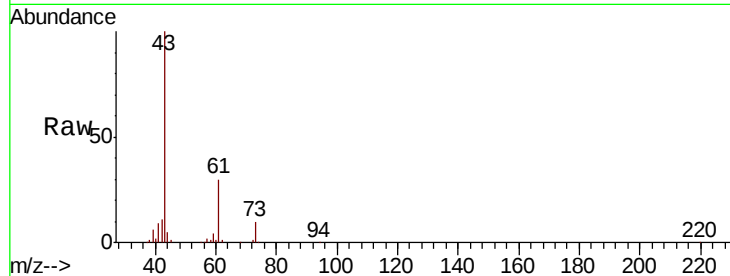


#43

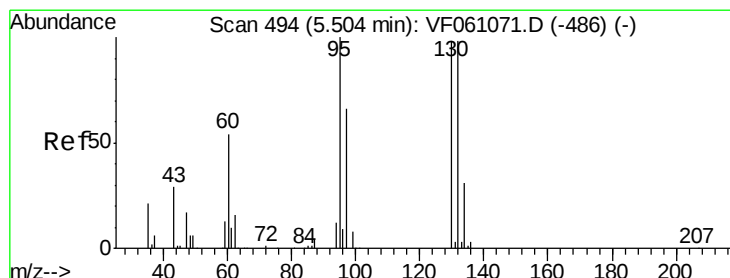
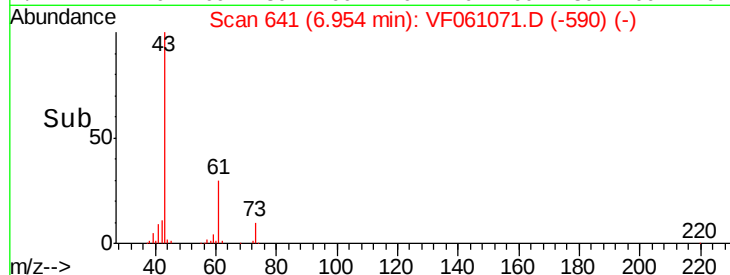
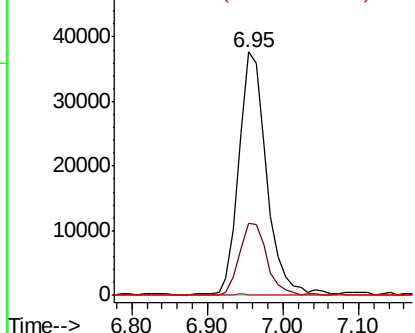
Isopropyl Acetate
 Concen: 46.351 ug/l
 RT: 6.95 min Scan# 641
 Delta R.T. 0.00 min
 Lab File: VF061071.D
 Acq: 18 Dec 2018 19:51

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tgt Ion: 43 Resp: 94932
 Ion Ratio Lower Upper
 43 100
 61 29.8 23.8 35.8
 87 0.0 0.0 0.0



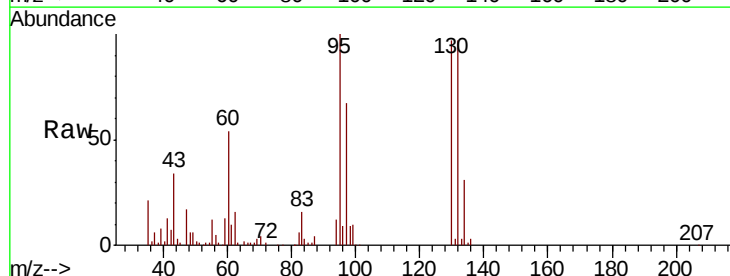
Abundance Ion 43.00 (42.70 to 43.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 87.00 (86.70 to 87.70): VF0



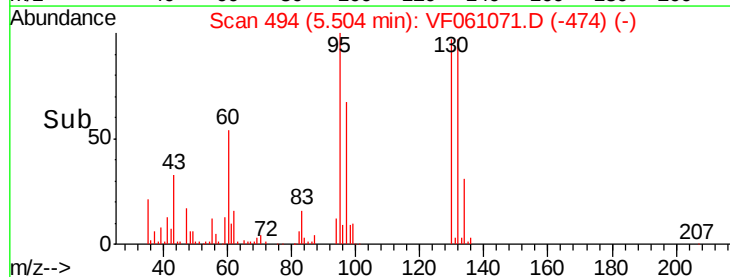
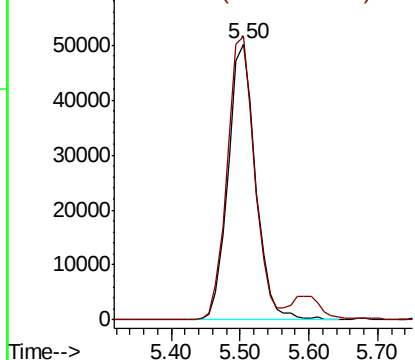
#44

Trichloroethene
 Concen: 51.238 ug/l
 RT: 5.50 min Scan# 494
 Delta R.T. 0.00 min
 Lab File: VF061071.D
 Acq: 18 Dec 2018 19:51

Tgt Ion: 130 Resp: 138958
 Ion Ratio Lower Upper
 130 100
 95 102.6 0.0 205.2



Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 54.916 ug/l

RT: 6.23 min Scan# 568

Delta R.T. 0.00 min

Lab File: VF061071.D

Acq: 18 Dec 2018 19:51

Instrument :

MSVOA_F

ClientSampleId :

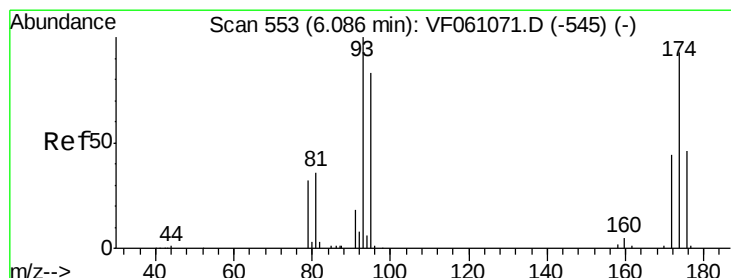
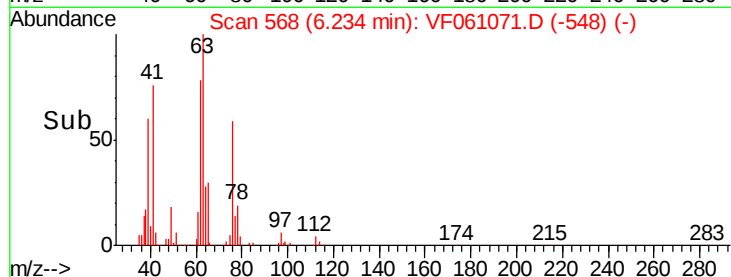
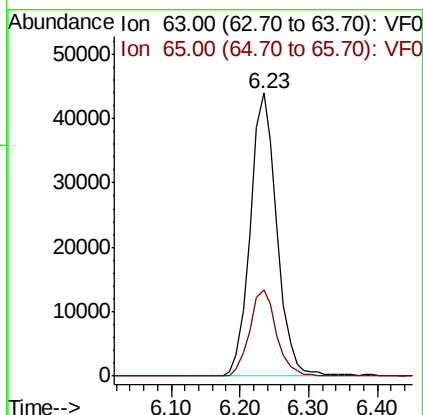
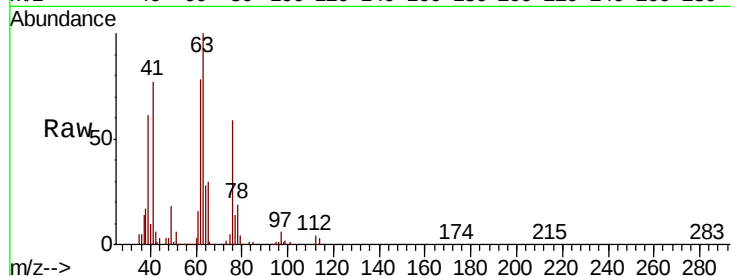
VSTDICCC050

Tgt Ion: 63 Resp: 118123

Ion Ratio Lower Upper

63 100

65 30.5 24.4 36.6



#46

Dibromomethane

Concen: 53.630 ug/l

RT: 6.09 min Scan# 553

Delta R.T. 0.00 min

Lab File: VF061071.D

Acq: 18 Dec 2018 19:51

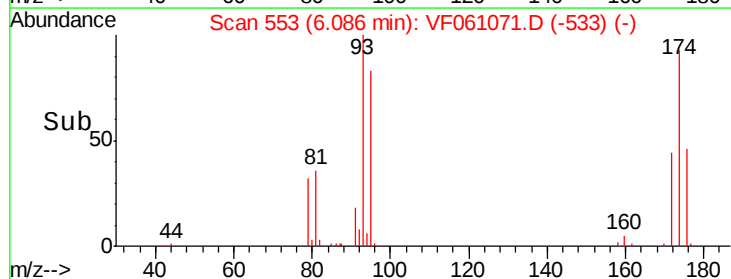
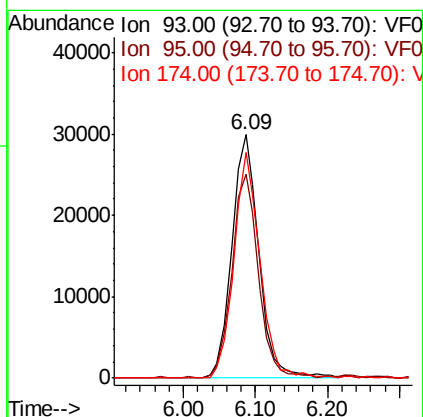
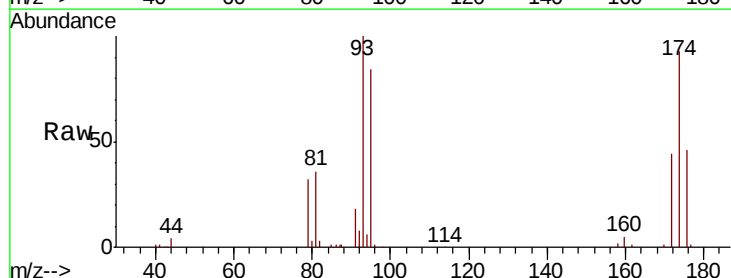
Tgt Ion: 93 Resp: 78135

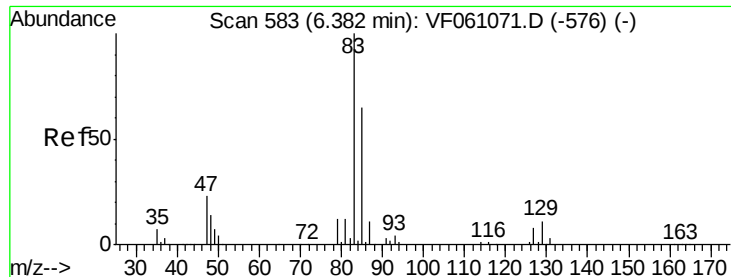
Ion Ratio Lower Upper

93 100

95 83.6 66.9 100.3

174 92.6 74.1 111.1





#47

Bromodichloromethane

Concen: 54.108 ug/l

RT: 6.38 min Scan# 583

Delta R.T. 0.00 min

Lab File: VF061071.D

Acq: 18 Dec 2018 19:51

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

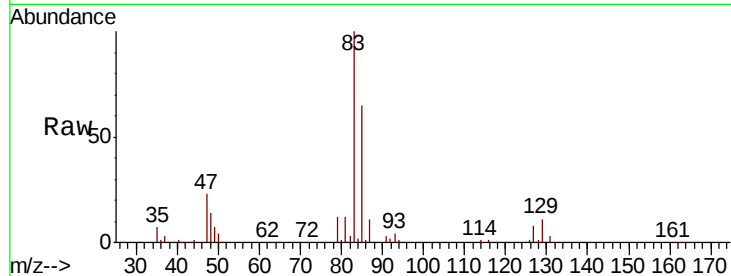
Tgt Ion: 83 Resp: 209889

Ion Ratio Lower Upper

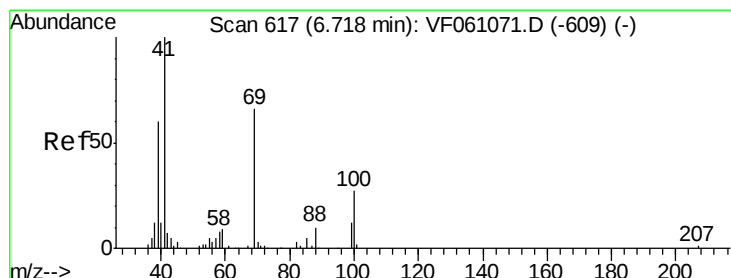
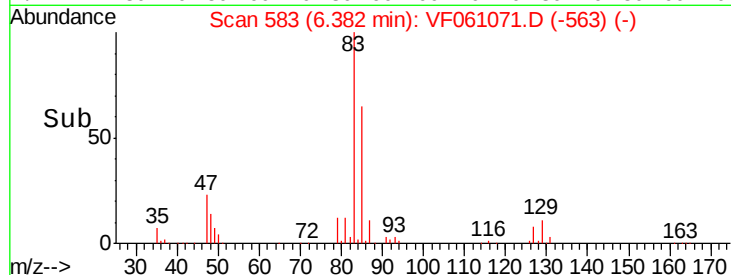
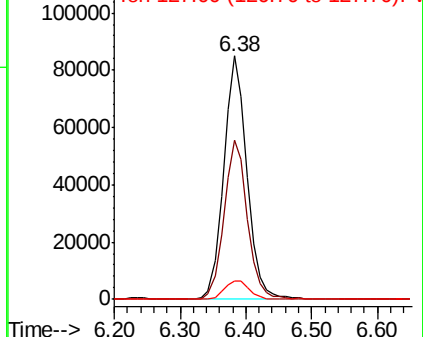
83 100

85 65.3 52.2 78.4

127 7.6 6.1 9.1



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



#48

Methyl methacrylate

Concen: 50.870 ug/l

RT: 6.72 min Scan# 617

Delta R.T. 0.00 min

Lab File: VF061071.D

Acq: 18 Dec 2018 19:51

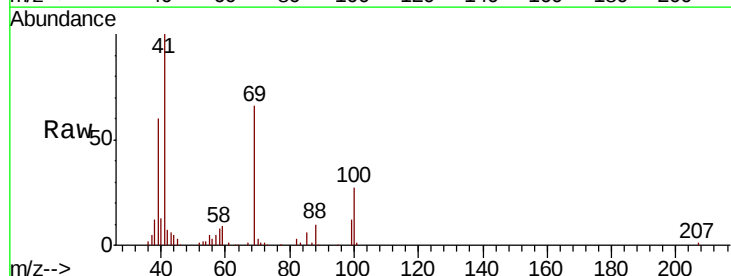
Tgt Ion: 41 Resp: 69637

Ion Ratio Lower Upper

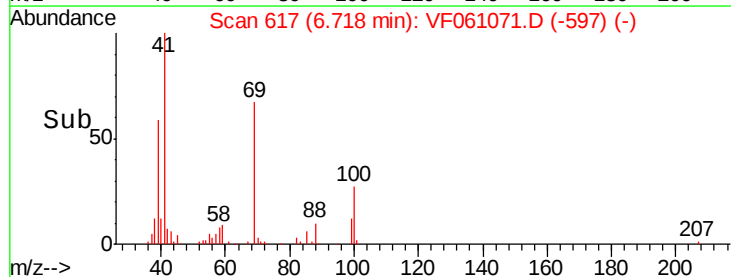
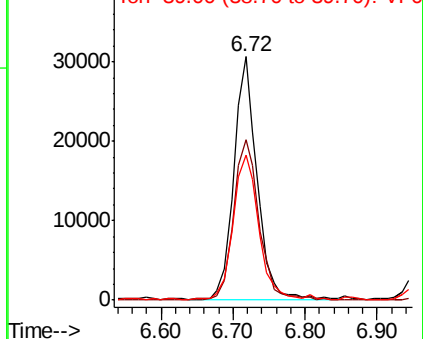
41 100

69 65.9 52.7 79.1

39 59.7 47.8 71.6



Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 39.00 (38.70 to 39.70): VF0

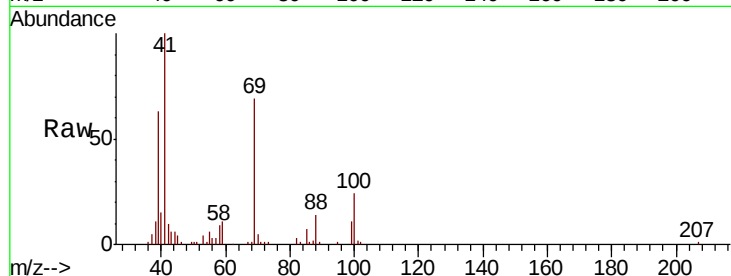




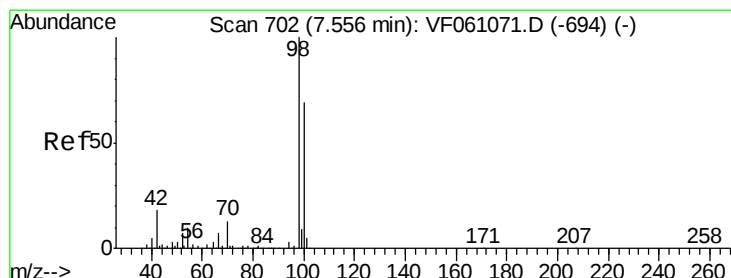
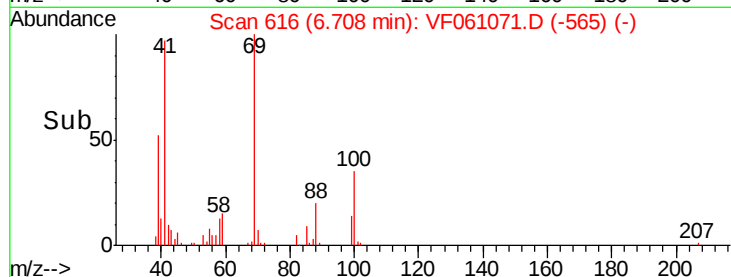
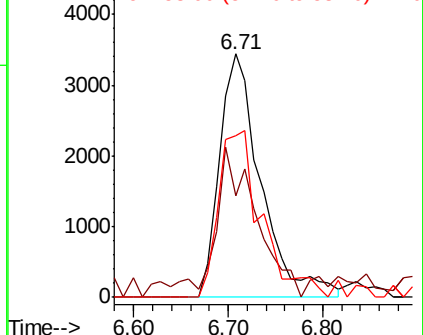
#49
1,4-Dioxane
Concen: 1055.482 ug/l
RT: 6.71 min Scan# 616
Delta R.T. 0.00 min
Lab File: VF061071.D
Acq: 18 Dec 2018 19:51

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tgt Ion: 88 Resp: 10447
Ion Ratio Lower Upper
88 100
43 41.6 33.3 49.9
58 66.5 53.2 79.8

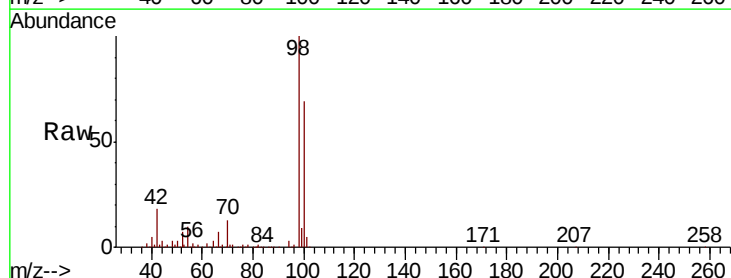


Abundance Ion 88.00 (87.70 to 88.70): VF0
Ion 43.00 (42.70 to 43.70): VF0
Ion 58.00 (57.70 to 58.70): VF0

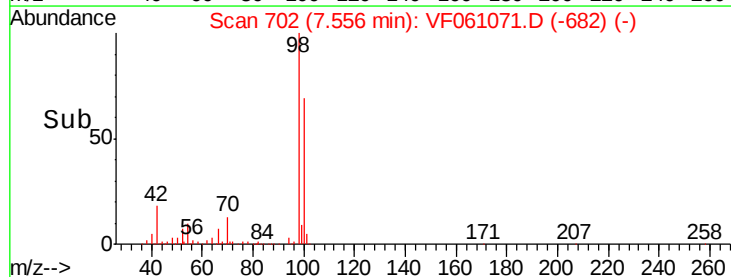
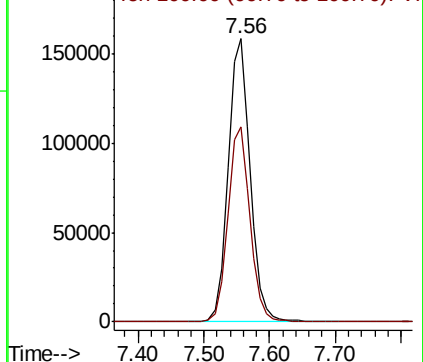


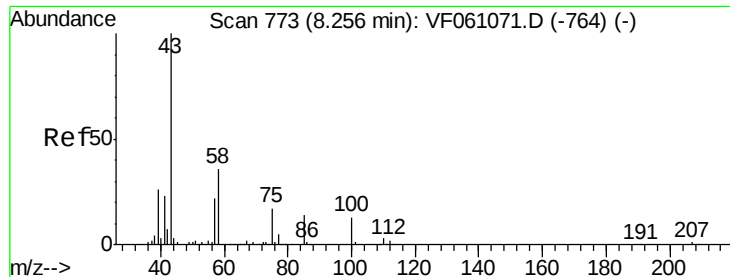
#50
Toluene-d8
Concen: 47.857 ug/l
RT: 7.56 min Scan# 702
Delta R.T. 0.00 min
Lab File: VF061071.D
Acq: 18 Dec 2018 19:51

Tgt Ion: 98 Resp: 371392
Ion Ratio Lower Upper
98 100
100 69.1 55.3 82.9



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





#51

4-Methyl-2-Pentanone

Concen: 238.916 ug/l

RT: 8.26 min Scan# 773

Delta R.T. 0.00 min

Lab File: VF061071.D

Acq: 18 Dec 2018 19:51

Instrument :

MSVOA_F

ClientSampleId :

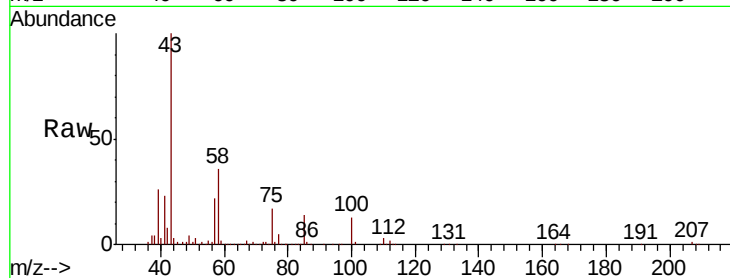
VSTDICCC050

Tgt Ion: 43 Resp: 332319

Ion Ratio Lower Upper

43 100

58 36.4 29.1 43.7



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.26

150000

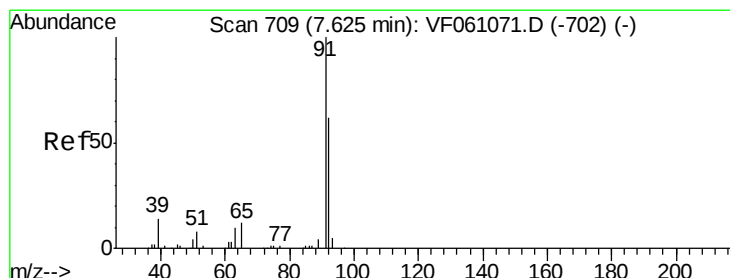
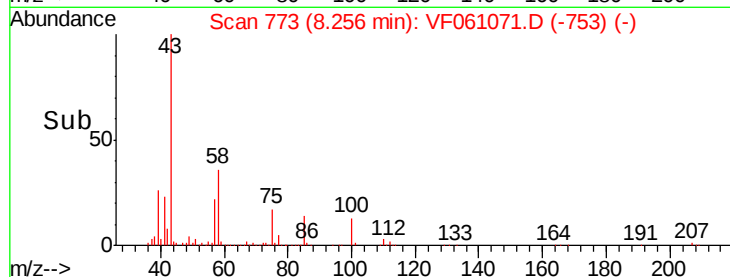
100000

50000

0

Time-->

8.10 8.20 8.30 8.40 8.50



#52

Toluene

Concen: 48.292 ug/l

RT: 7.63 min Scan# 709

Delta R.T. 0.00 min

Lab File: VF061071.D

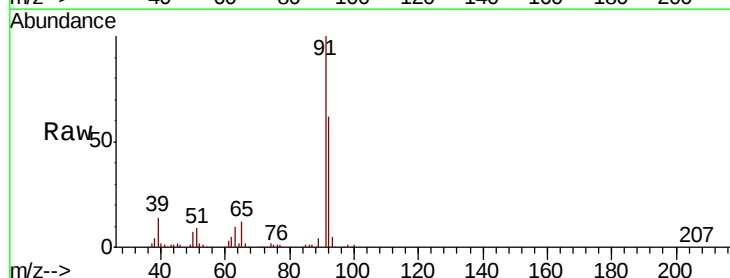
Acq: 18 Dec 2018 19:51

Tgt Ion: 92 Resp: 281154

Ion Ratio Lower Upper

92 100

91 161.0 128.8 193.2



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.63

200000

150000

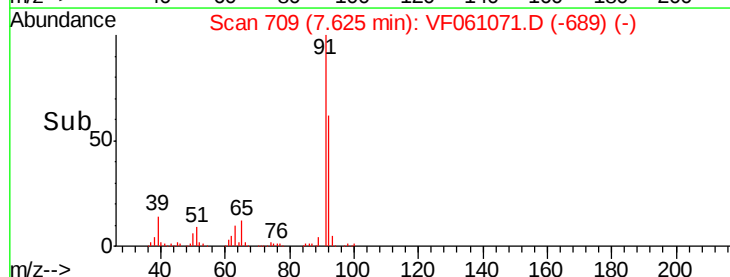
100000

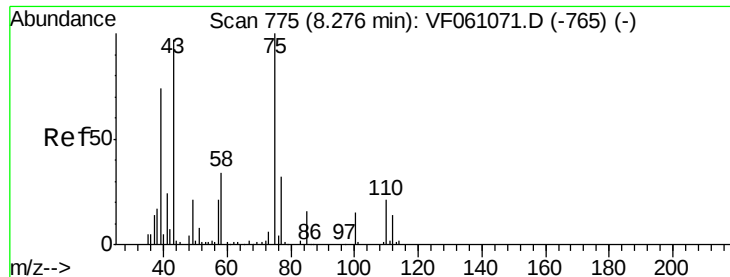
50000

0

Time-->

7.50 7.60 7.70 7.80





#53

t-1,3-Dichloropropene

Concen: 50.382 ug/l

RT: 8.28 min Scan# 775

Delta R.T. 0.00 min

Lab File: VF061071.D

Acq: 18 Dec 2018 19:51

Instrument :

MSVOA_F

ClientSampleId :

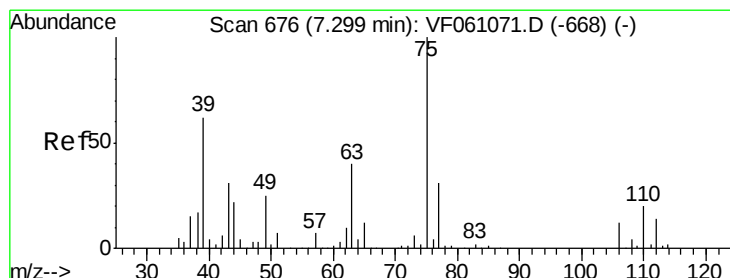
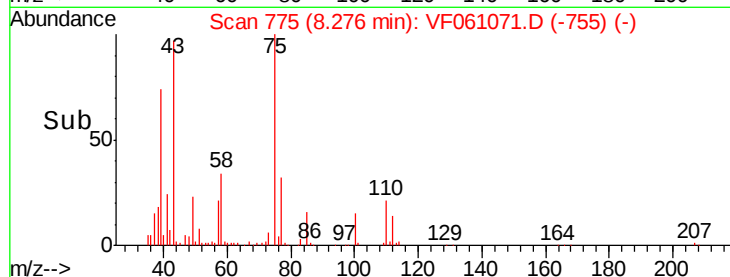
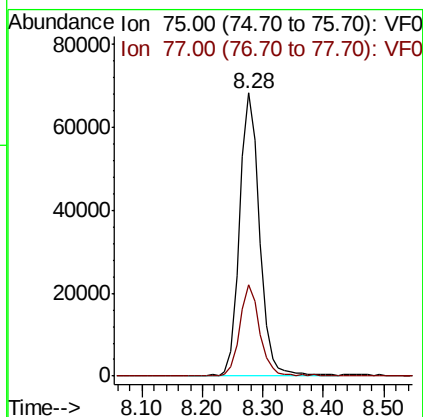
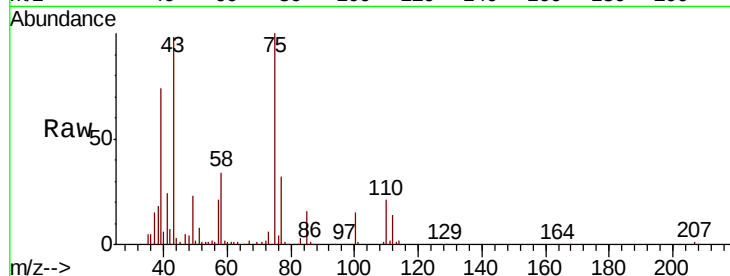
VSTDICCC050

Tgt Ion: 75 Resp: 157788

Ion Ratio Lower Upper

75 100

77 32.3 25.8 38.8



#54

cis-1,3-Dichloropropene

Concen: 51.572 ug/l

RT: 7.30 min Scan# 676

Delta R.T. 0.00 min

Lab File: VF061071.D

Acq: 18 Dec 2018 19:51

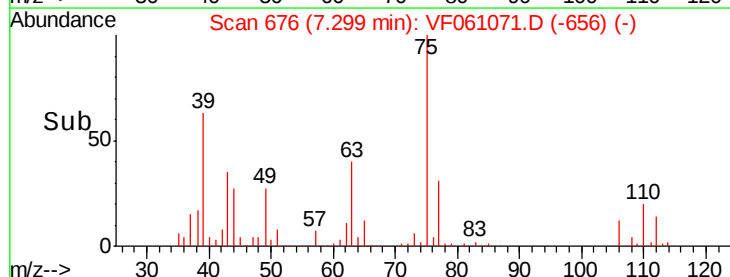
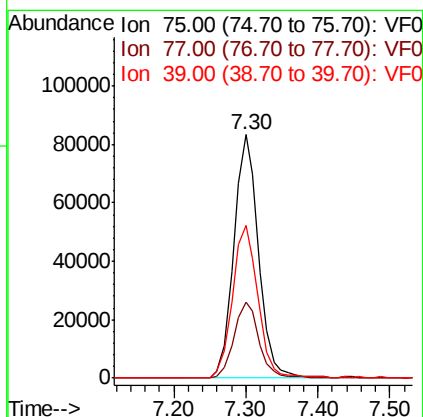
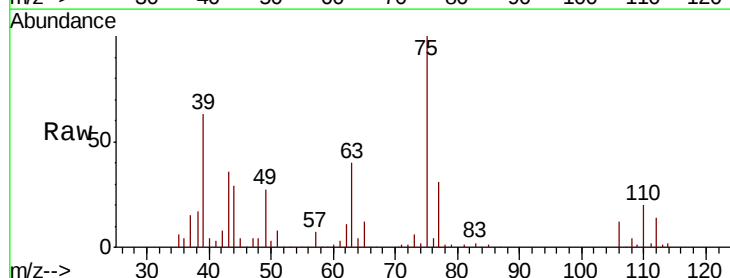
Tgt Ion: 75 Resp: 199316

Ion Ratio Lower Upper

75 100

77 31.2 25.0 37.4

39 62.6 50.1 75.1





#55

1,1,2-Trichloroethane

Concen: 48.942 ug/l

RT: 8.49 min Scan# 797

Delta R.T. 0.00 min

Lab File: VF061071.D

Acq: 18 Dec 2018 19:51

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tgt Ion: 97 Resp: 81994

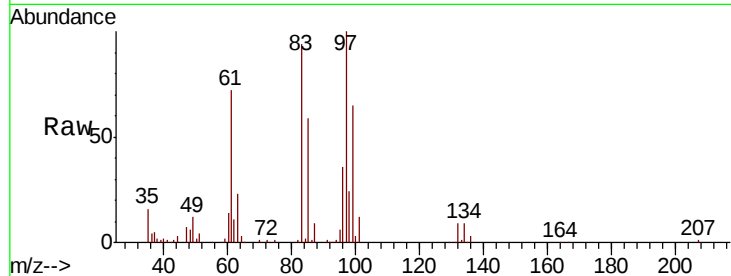
Ion Ratio Lower Upper

97 100

83 93.7 75.0 112.4

85 59.4 47.5 71.3

99 64.9 51.9 77.9

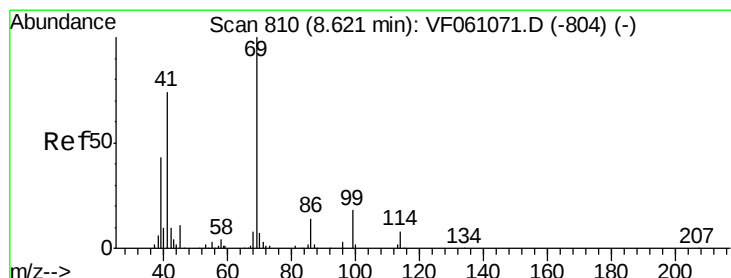
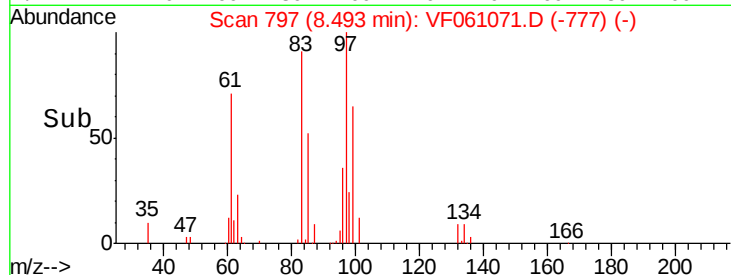
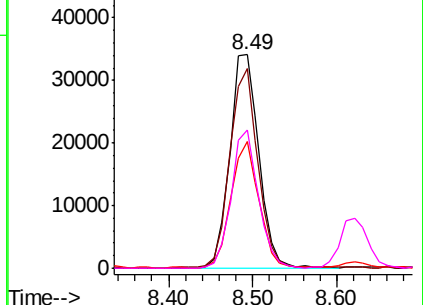


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 51.086 ug/l

RT: 8.62 min Scan# 810

Delta R.T. 0.00 min

Lab File: VF061071.D

Acq: 18 Dec 2018 19:51

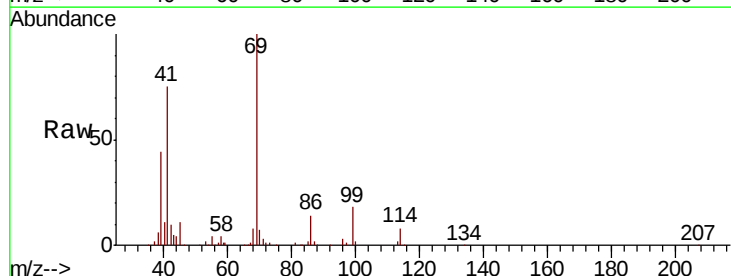
Tgt Ion: 69 Resp: 94379

Ion Ratio Lower Upper

69 100

41 74.6 59.7 89.5

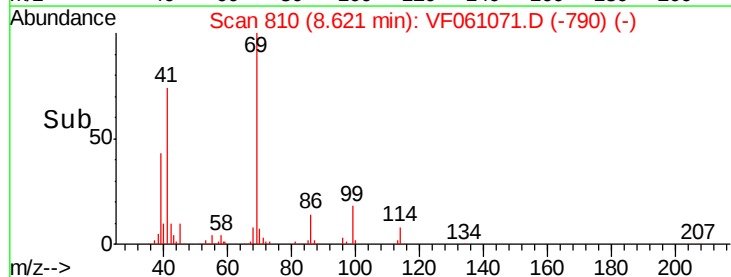
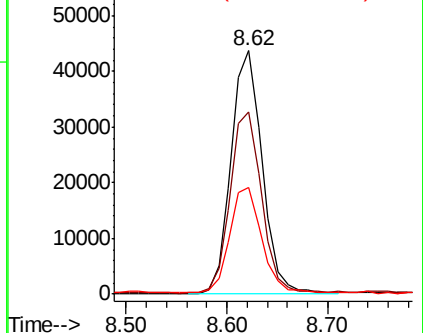
39 43.8 35.0 52.6

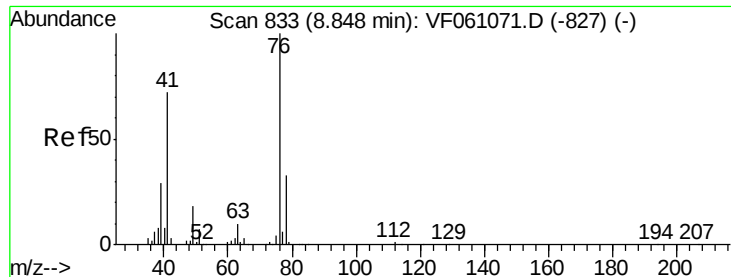


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 51.861 ug/l

RT: 8.85 min Scan# 833

Delta R.T. 0.00 min

Lab File: VF061071.D

Acq: 18 Dec 2018 19:51

Instrument :

MSVOA_F

ClientSampleId :

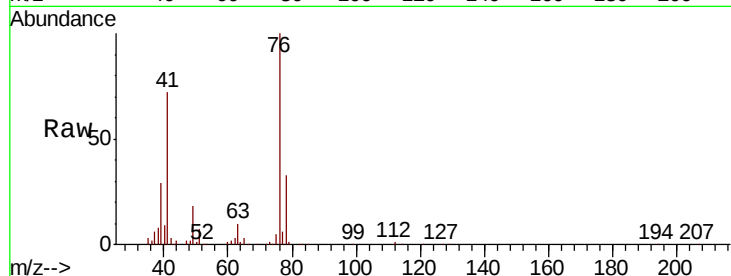
VSTDICCC050

Tgt Ion: 76 Resp: 152499

Ion Ratio Lower Upper

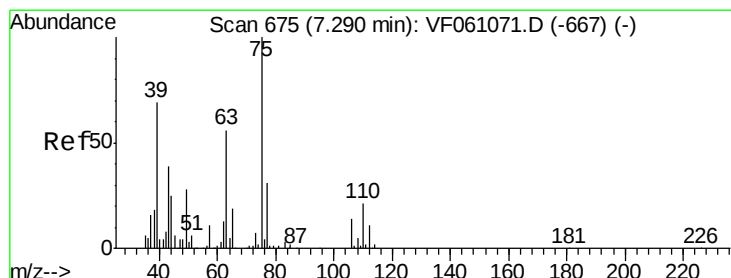
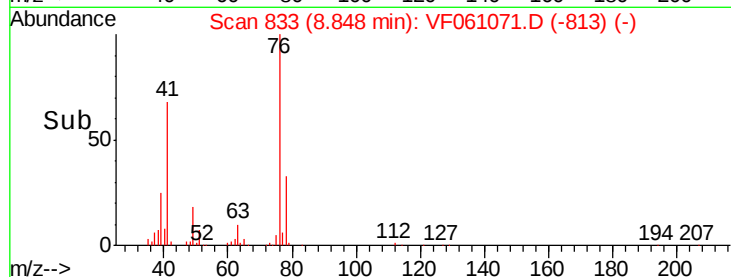
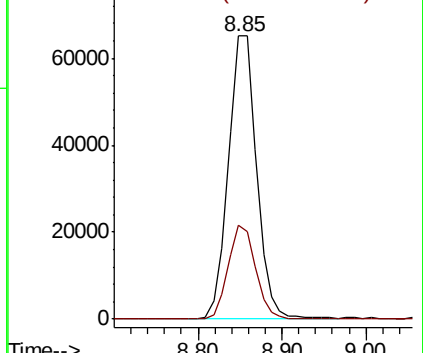
76 100

78 33.1 26.5 39.7



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 399.097 ug/l

RT: 7.29 min Scan# 675

Delta R.T. 0.00 min

Lab File: VF061071.D

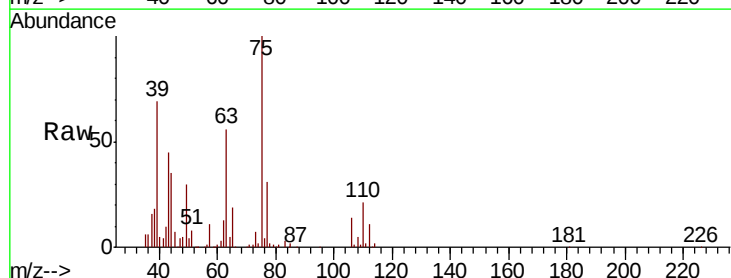
Acq: 18 Dec 2018 19:51

Tgt Ion: 63 Resp: 87295

Ion Ratio Lower Upper

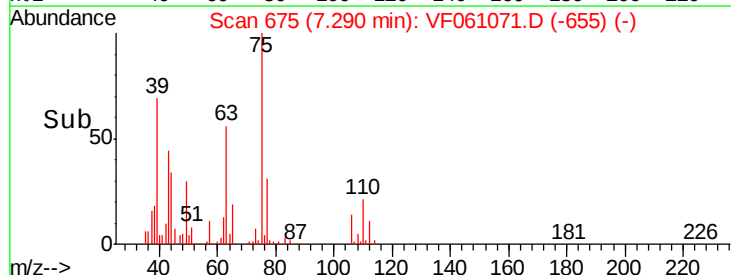
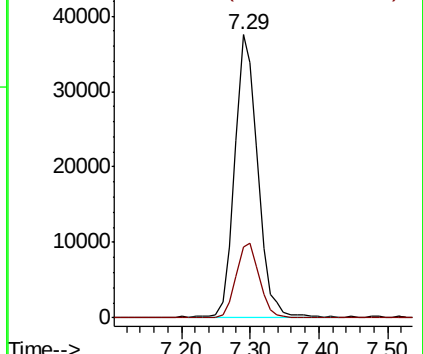
63 100

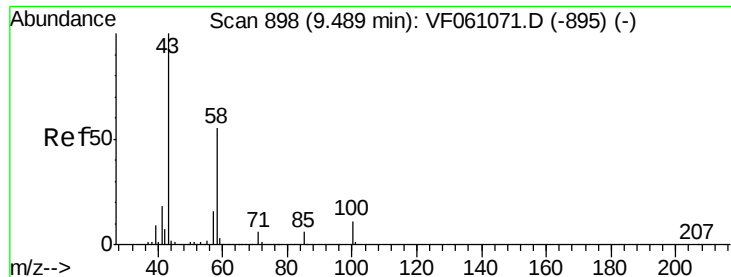
106 24.8 19.8 29.8



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

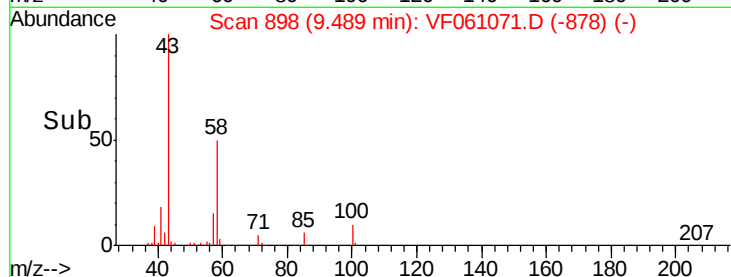
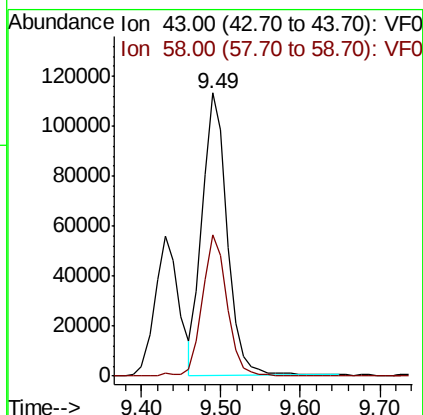
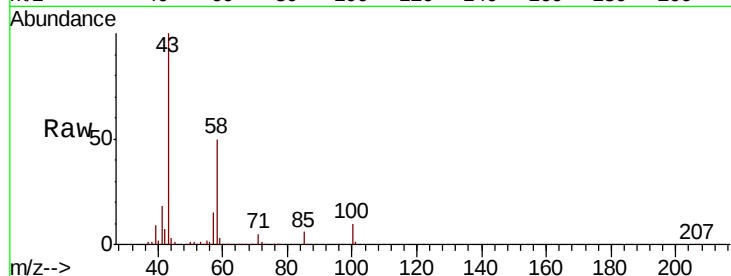




#59
2-Hexanone
Concen: 250.269 ug/l
RT: 9.49 min Scan# 898
Delta R.T. 0.00 min
Lab File: VF061071.D
Acq: 18 Dec 2018 19:51

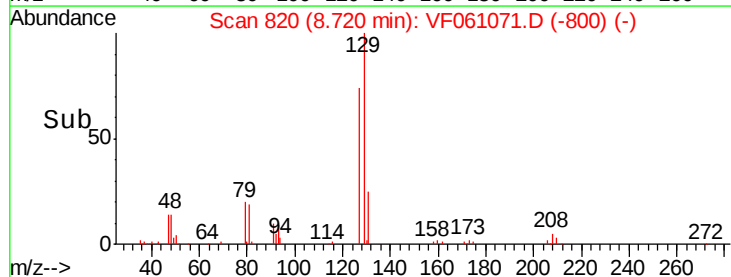
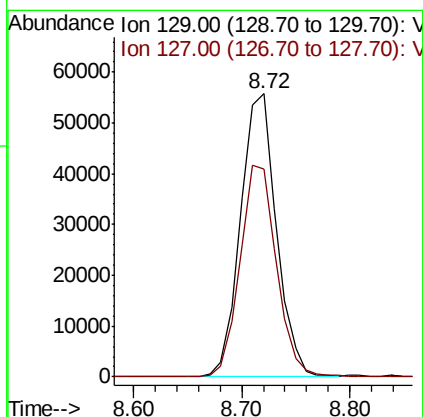
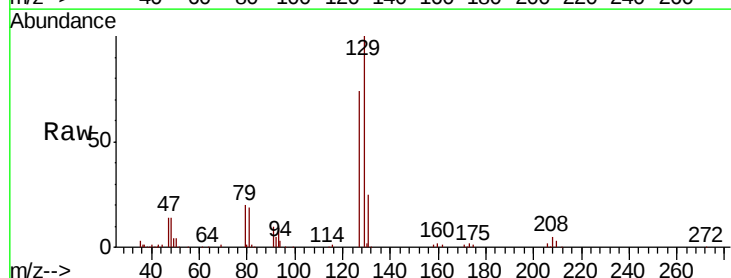
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

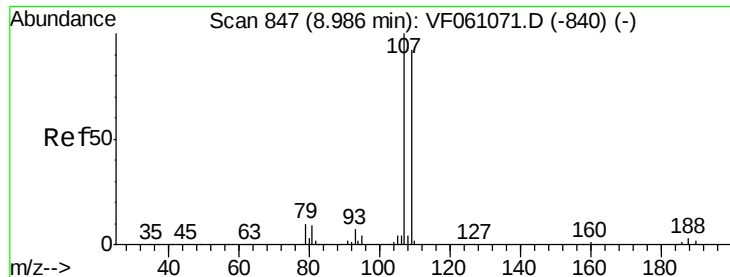
Tgt Ion: 43 Resp: 245999
Ion Ratio Lower Upper
43 100
58 50.1 25.1 75.2



#60
Dibromochloromethane
Concen: 51.376 ug/l
RT: 8.72 min Scan# 820
Delta R.T. 0.00 min
Lab File: VF061071.D
Acq: 18 Dec 2018 19:51

Tgt Ion: 129 Resp: 128553
Ion Ratio Lower Upper
129 100
127 73.5 36.8 110.3

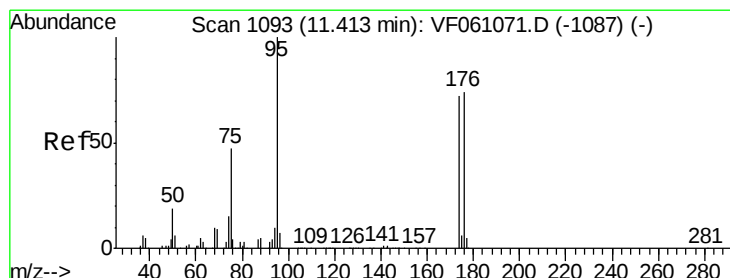
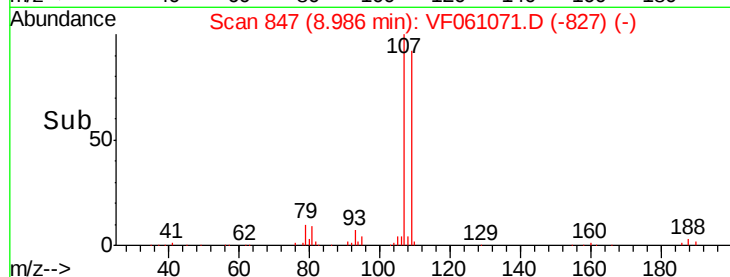
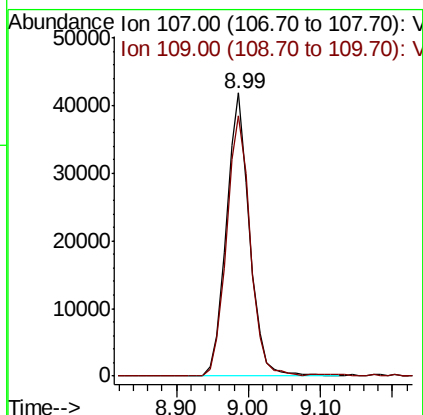
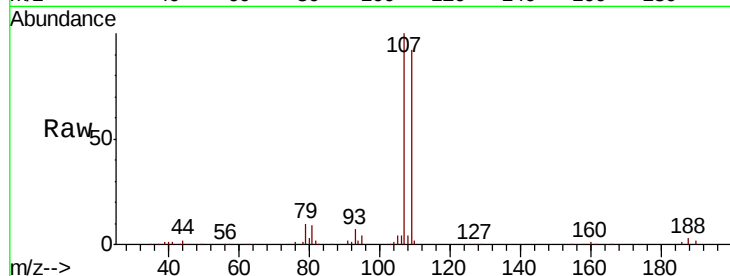




#61
 1,2-Dibromoethane
 Concen: 51.171 ug/l
 RT: 8.99 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VF061071.D
 Acq: 18 Dec 2018 19:51

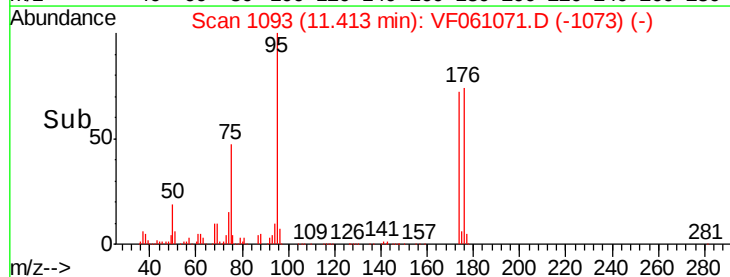
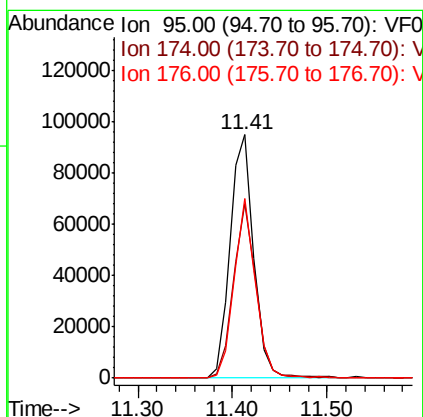
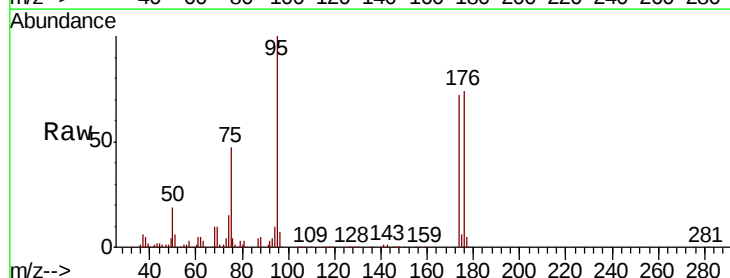
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

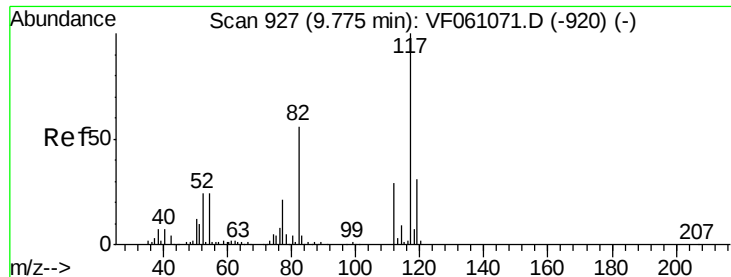
Tgt Ion: 107 Resp: 93190
 Ion Ratio Lower Upper
 107 100
 109 92.1 73.7 110.5



#62
 4-Bromofluorobenzene
 Concen: 46.802 ug/l
 RT: 11.41 min Scan# 1093
 Delta R.T. 0.00 min
 Lab File: VF061071.D
 Acq: 18 Dec 2018 19:51

Tgt Ion: 95 Resp: 164518
 Ion Ratio Lower Upper
 95 100
 174 71.9 0.0 143.8
 176 73.8 0.0 147.6

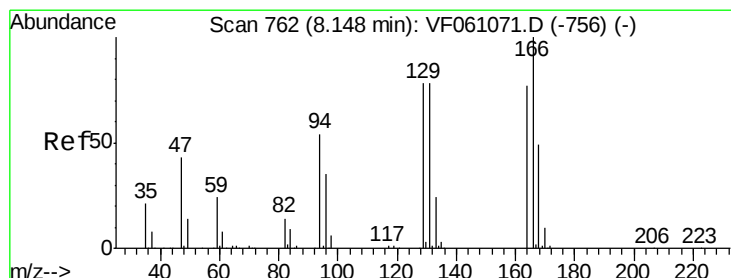
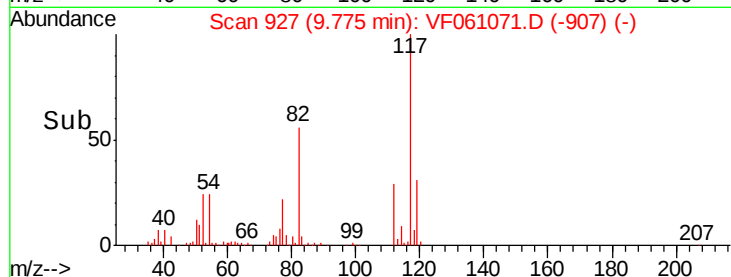
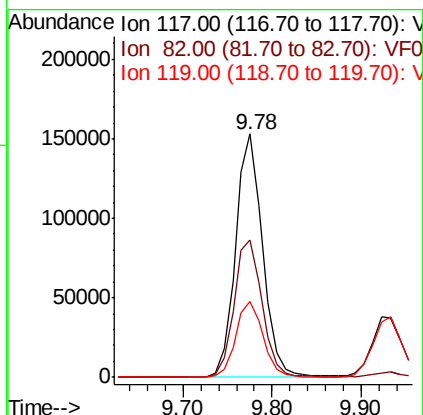
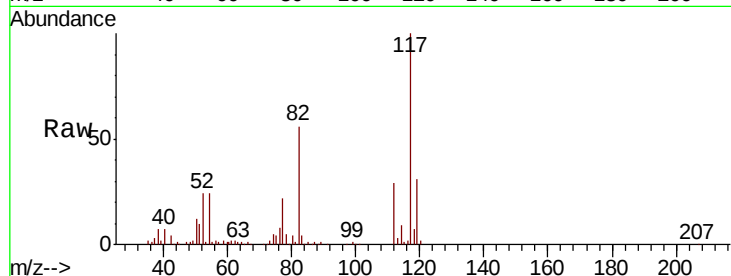




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.78 min Scan# 927
Delta R.T. 0.00 min
Lab File: VF061071.D
Acq: 18 Dec 2018 19:51

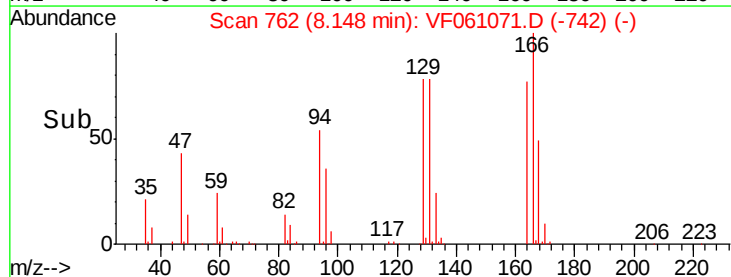
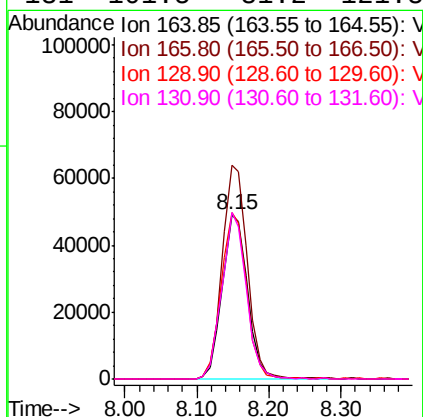
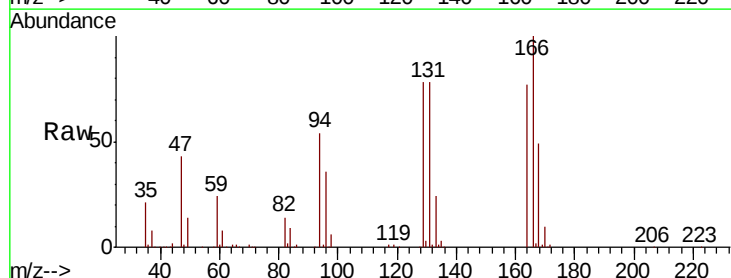
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tgt Ion	Ratio	Lower	Upper
117	100		
82	56.2	45.0	67.4
119	31.0	24.8	37.2



#64
Tetrachloroethene
Concen: 48.342 ug/l
RT: 8.15 min Scan# 762
Delta R.T. 0.00 min
Lab File: VF061071.D
Acq: 18 Dec 2018 19:51

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.0	104.0	156.0
129	101.4	81.1	121.7
131	101.5	81.2	121.8

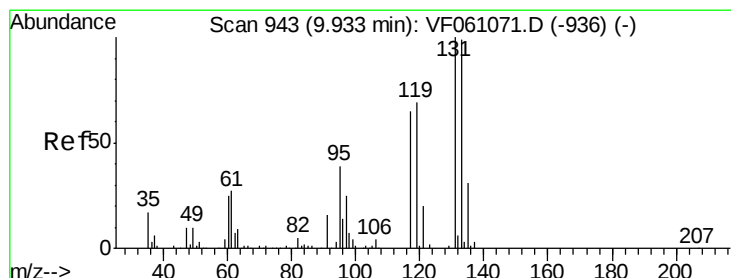
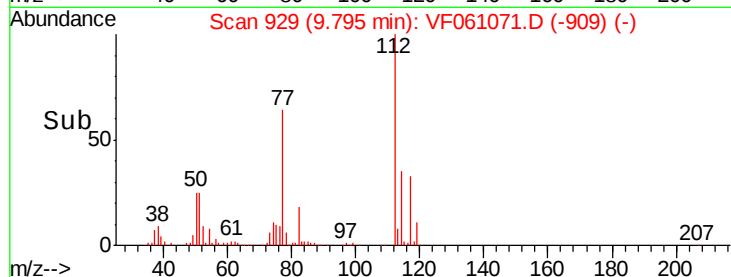
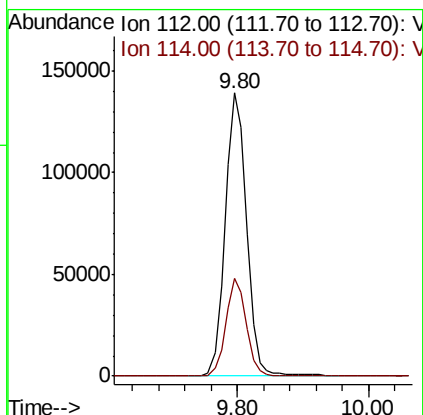
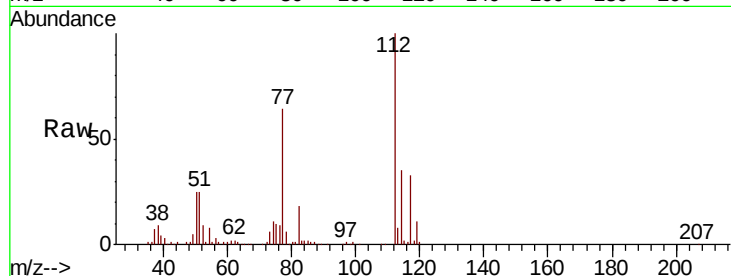




#65
Chlorobenzene
Concen: 50.762 ug/l
RT: 9.80 min Scan# 929
Delta R.T. 0.00 min
Lab File: VF061071.D
Acq: 18 Dec 2018 19:51

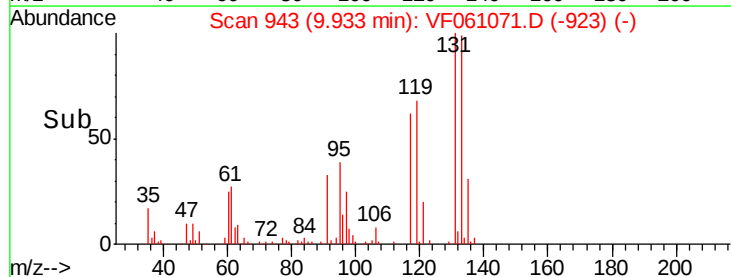
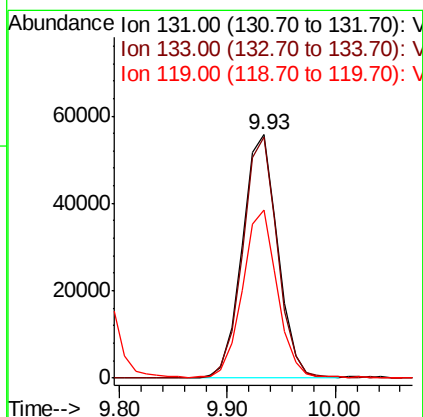
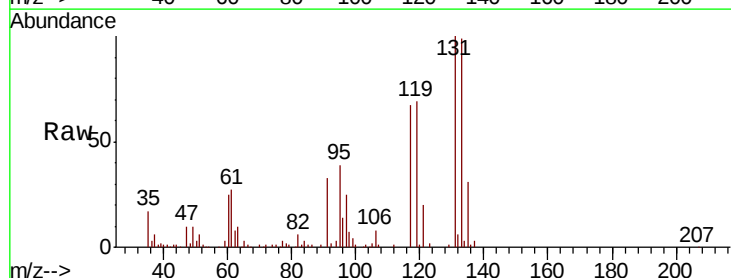
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

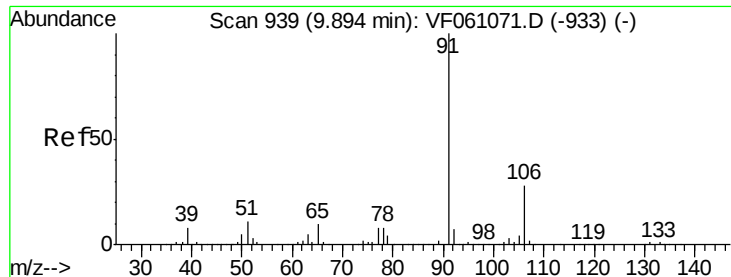
Tgt Ion:112 Resp: 317592
Ion Ratio Lower Upper
112 100
114 34.7 27.8 41.6



#66
1,1,1,2-Tetrachloroethane
Concen: 47.325 ug/l
RT: 9.93 min Scan# 943
Delta R.T. 0.00 min
Lab File: VF061071.D
Acq: 18 Dec 2018 19:51

Tgt Ion:131 Resp: 126831
Ion Ratio Lower Upper
131 100
133 99.1 49.5 148.7
119 69.0 34.5 103.5

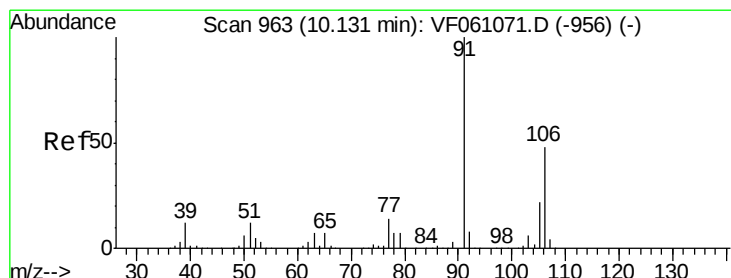
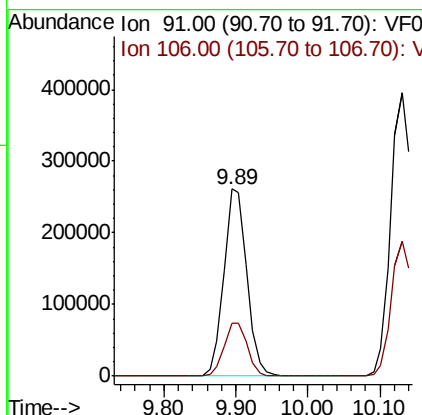
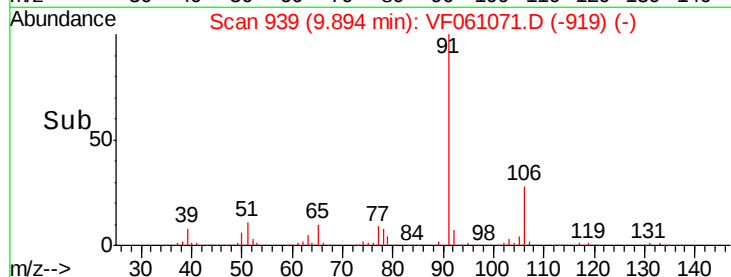
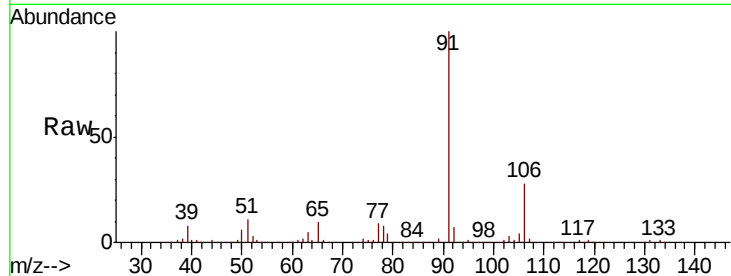




#67
Ethyl Benzene
Concen: 49.581 ug/l
RT: 9.89 min Scan# 939
Delta R.T. 0.00 min
Lab File: VF061071.D
Acq: 18 Dec 2018 19:51

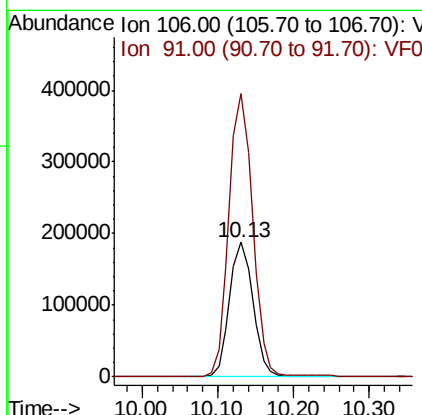
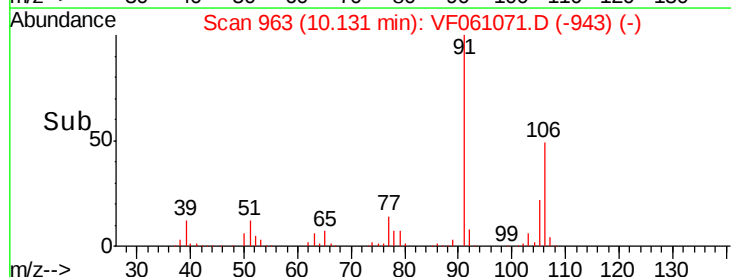
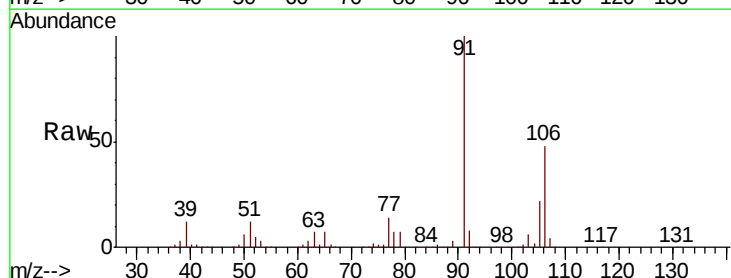
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

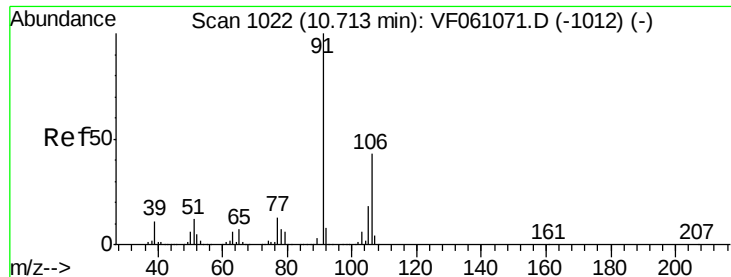
Tgt Ion: 91 Resp: 579058
Ion Ratio Lower Upper
91 100
106 28.1 22.5 33.7



#68
m/p-Xylenes
Concen: 96.288 ug/l
RT: 10.13 min Scan# 963
Delta R.T. 0.00 min
Lab File: VF061071.D
Acq: 18 Dec 2018 19:51

Tgt Ion: 106 Resp: 405862
Ion Ratio Lower Upper
106 100
91 210.2 168.2 252.2

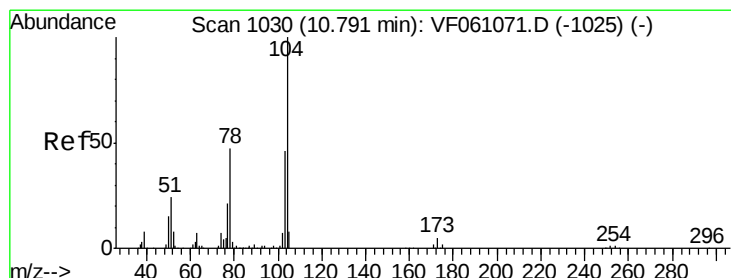
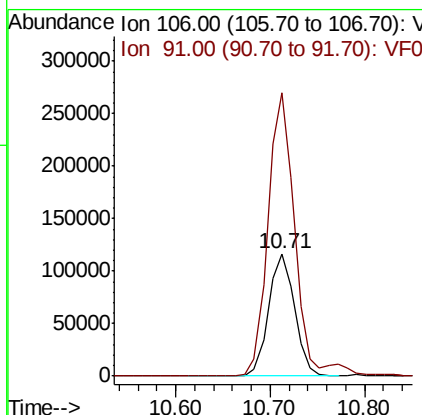
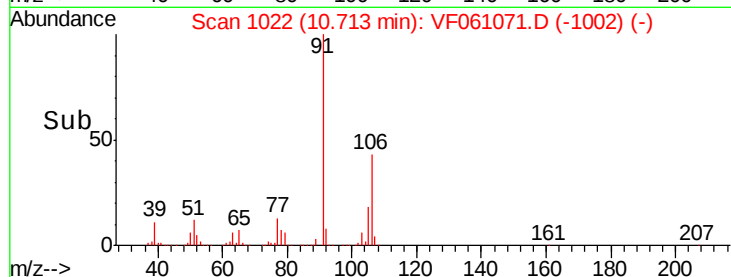
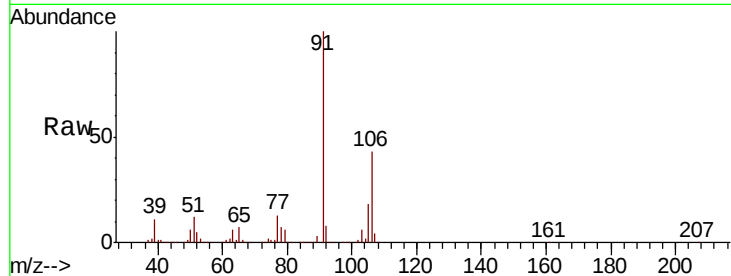




#69
o-Xylene
Concen: 48.668 ug/l
RT: 10.71 min Scan# 1022
Delta R.T. 0.00 min
Lab File: VF061071.D
Acq: 18 Dec 2018 19:51

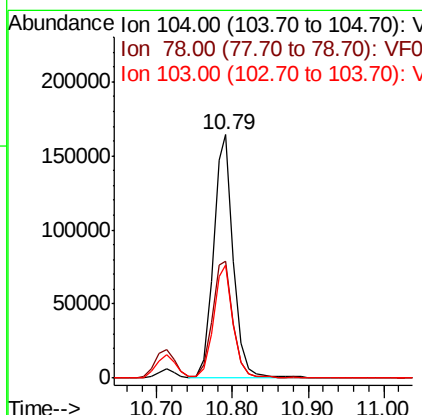
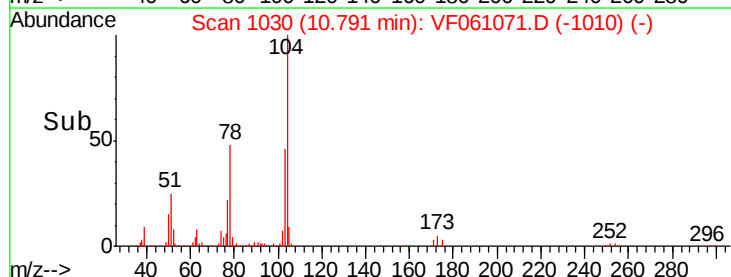
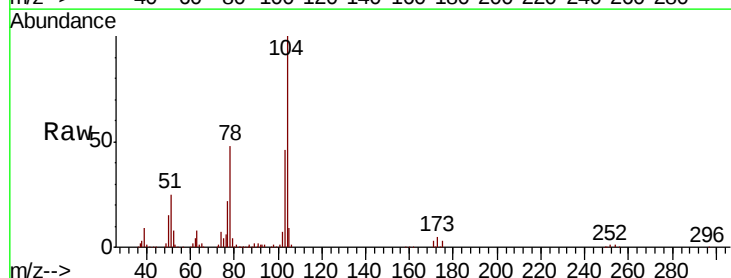
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

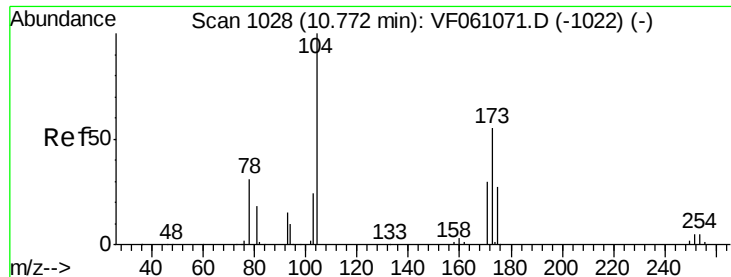
Tgt Ion:106 Resp: 225787
Ion Ratio Lower Upper
106 100
91 231.8 115.9 347.7



#70
Styrene
Concen: 47.100 ug/l
RT: 10.79 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VF061071.D
Acq: 18 Dec 2018 19:51

Tgt Ion:104 Resp: 300763
Ion Ratio Lower Upper
104 100
78 48.0 38.4 57.6
103 46.3 37.0 55.6





#71

Bromoform

Concen: 46.662 ug/l

RT: 10.77 min Scan# 1028

Delta R.T. 0.00 min

Lab File: VF061071.D

Acq: 18 Dec 2018 19:51

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

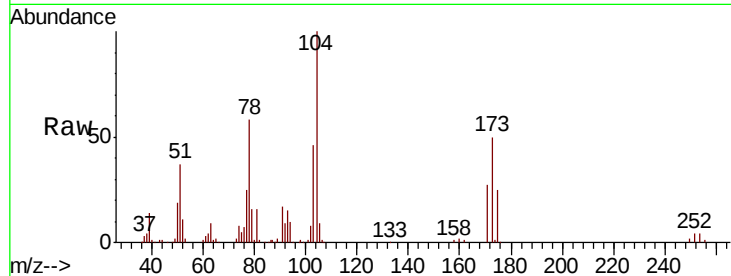
Tgt Ion:173 Resp: 60108

Ion Ratio Lower Upper

173 100

175 49.6 24.8 74.4

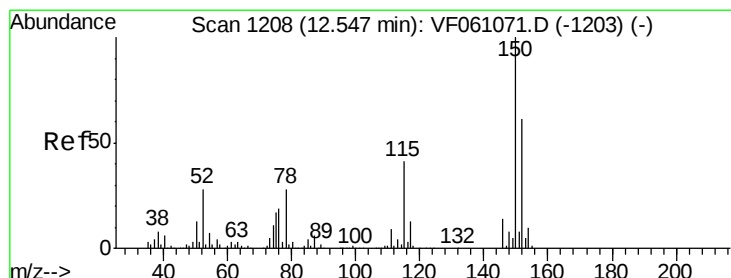
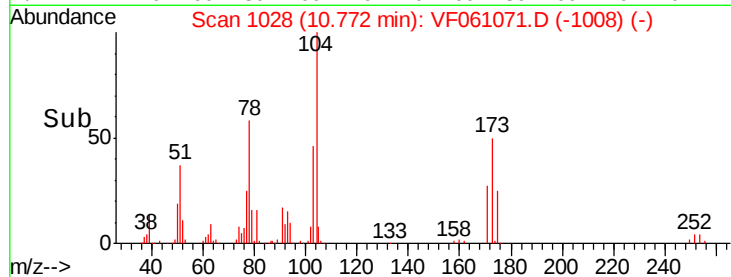
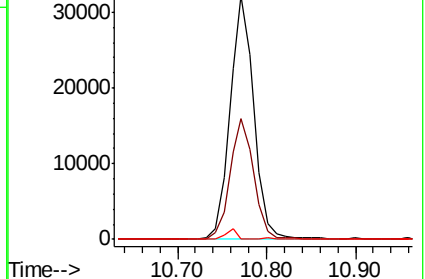
254 0.0 0.0 0.0



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: 12.55 min Scan# 1208

Delta R.T. 0.00 min

Lab File: VF061071.D

Acq: 18 Dec 2018 19:51

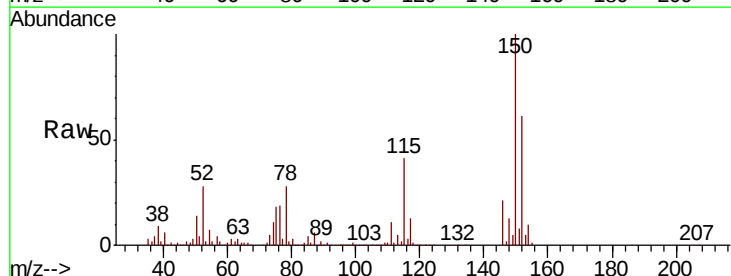
Tgt Ion:152 Resp: 151783

Ion Ratio Lower Upper

152 100

115 66.6 33.3 99.9

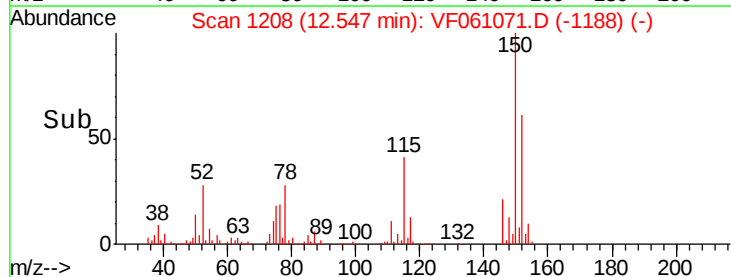
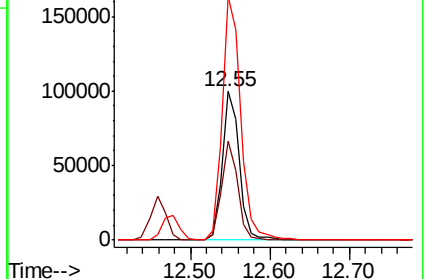
150 164.1 0.0 328.2



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: 55.073 ug/l

RT: 11.13 min Scan# 1064

Delta R.T. 0.00 min

Lab File: VF061071.D

Acq: 18 Dec 2018 19:51

Instrument :

MSVOA_F

ClientSampleId :

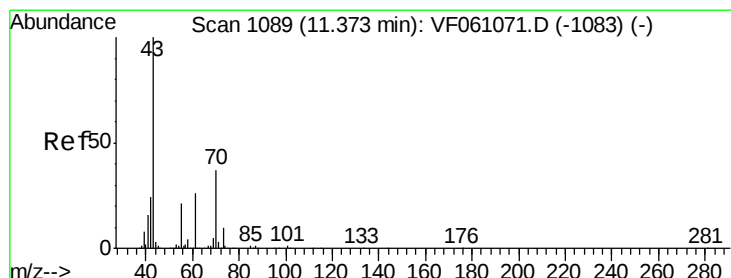
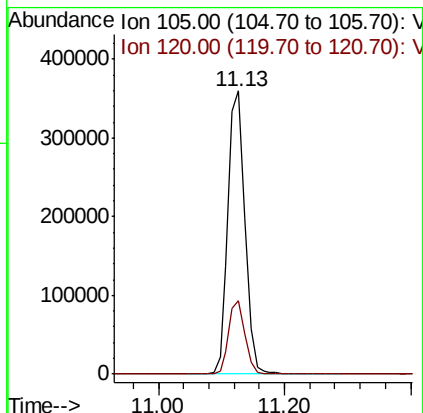
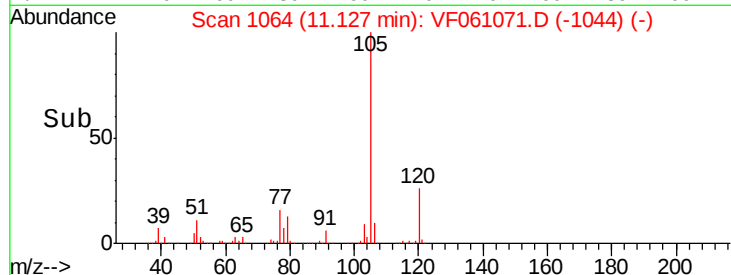
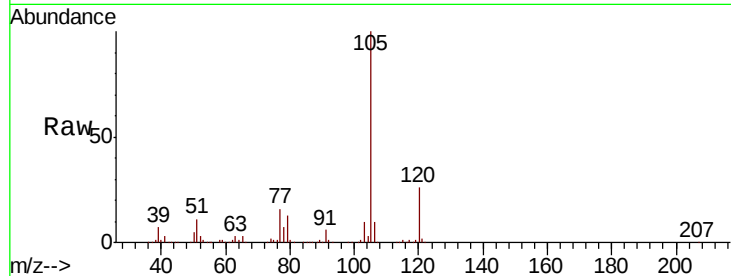
VSTDICCC050

Tgt Ion:105 Resp: 669355

Ion Ratio Lower Upper

105 100

120 26.0 13.0 39.0



#74

N-ethyl acetate

Concen: 52.485 ug/l

RT: 11.37 min Scan# 1089

Delta R.T. 0.00 min

Lab File: VF061071.D

Acq: 18 Dec 2018 19:51

Tgt Ion: 43 Resp: 145784

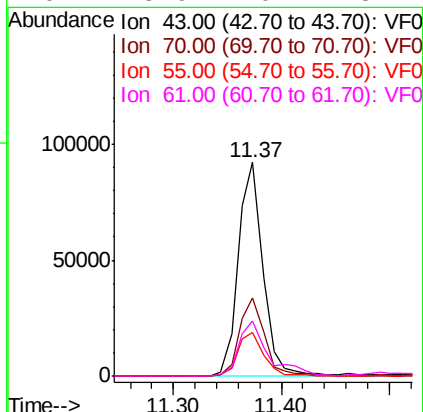
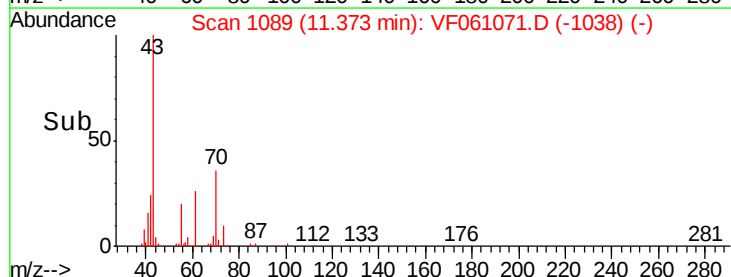
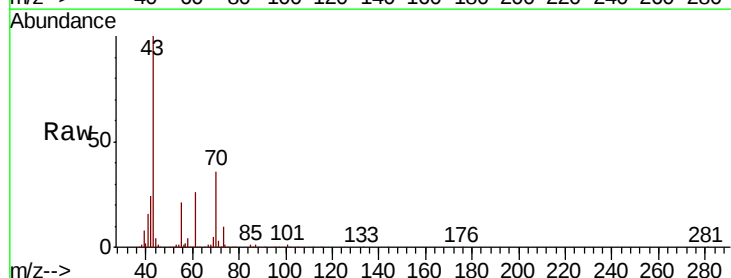
Ion Ratio Lower Upper

43 100

70 36.5 29.2 43.8

55 20.6 16.5 24.7

61 25.9 20.7 31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 54.733 ug/l

RT: 11.70 min Scan# 1122

Delta R.T. 0.00 min

Lab File: VF061071.D

Acq: 18 Dec 2018 19:51

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

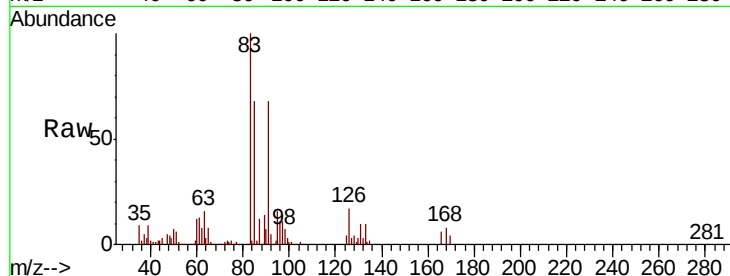
Tgt Ion: 83 Resp: 109096

Ion Ratio Lower Upper

83 100

131 9.5 4.8 14.3

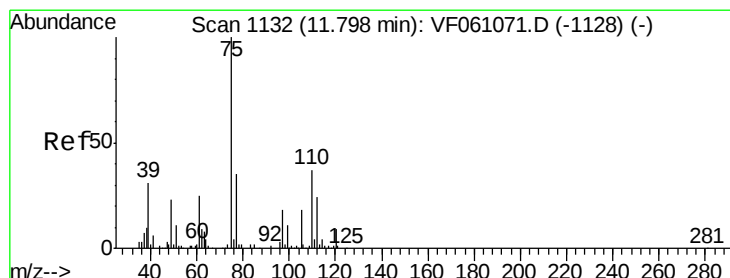
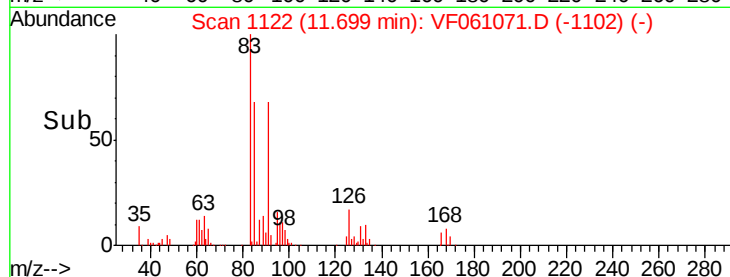
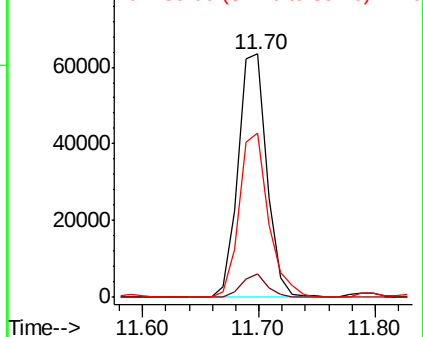
85 67.7 33.9 101.6



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): VF0

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 55.874 ug/l

RT: 11.80 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VF061071.D

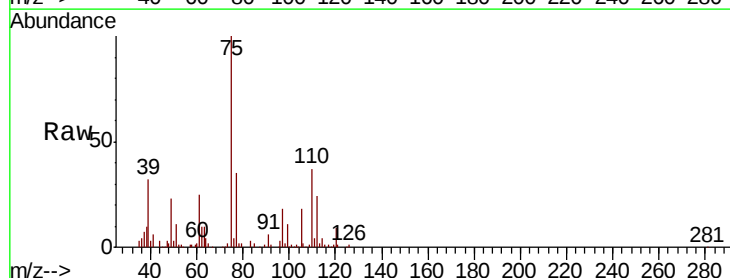
Acq: 18 Dec 2018 19:51

Tgt Ion: 75 Resp: 81559

Ion Ratio Lower Upper

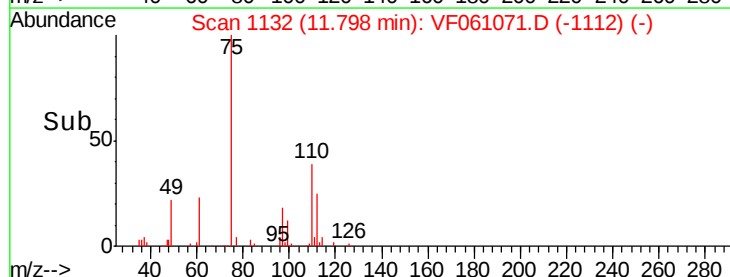
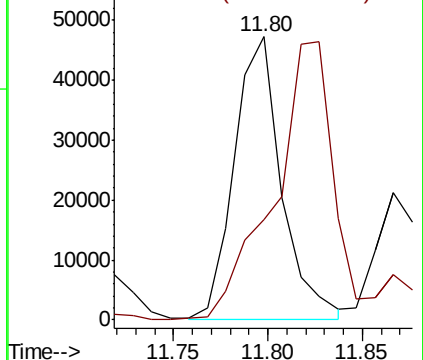
75 100

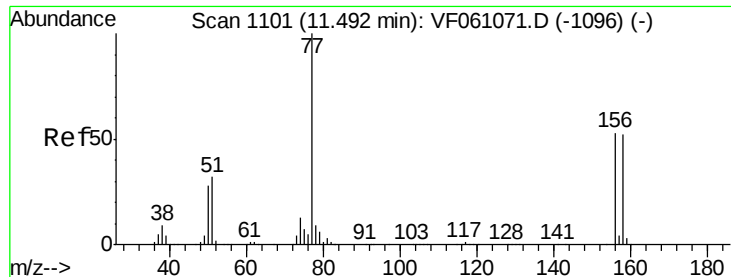
77 35.3 17.6 52.9



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 54.206 ug/l

RT: 11.49 min Scan# 1101

Delta R.T. 0.00 min

Lab File: VF061071.D

Acq: 18 Dec 2018 19:51

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

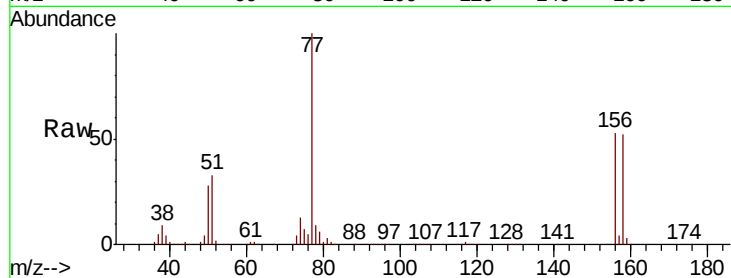
Tgt Ion:156 Resp: 142510

Ion Ratio Lower Upper

156 100

77 187.6 93.8 281.4

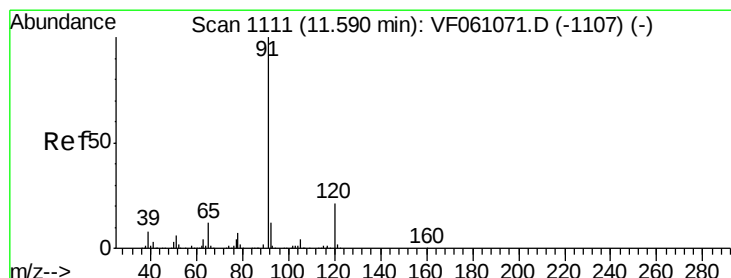
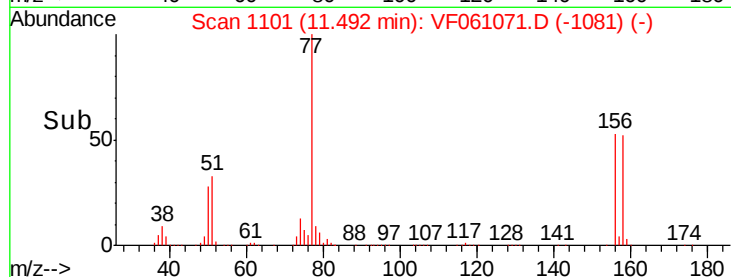
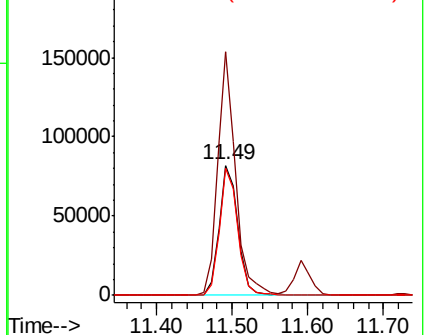
158 97.9 48.9 146.8



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: 55.060 ug/l

RT: 11.59 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VF061071.D

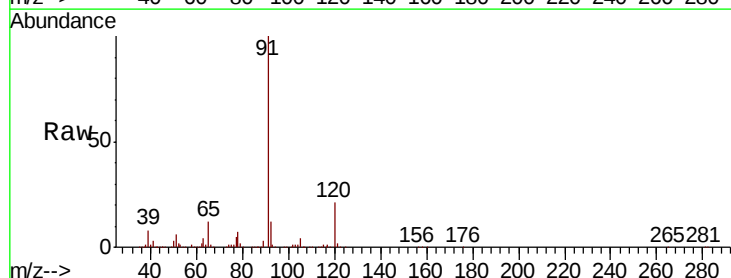
Acq: 18 Dec 2018 19:51

Tgt Ion: 91 Resp: 784120

Ion Ratio Lower Upper

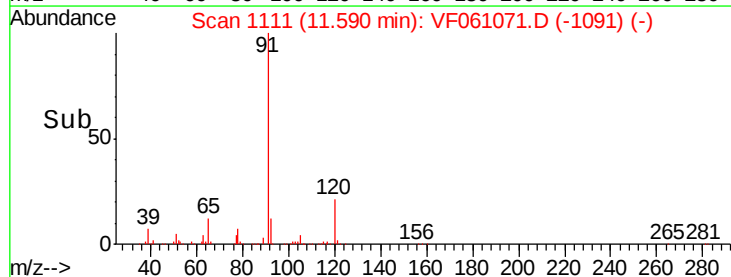
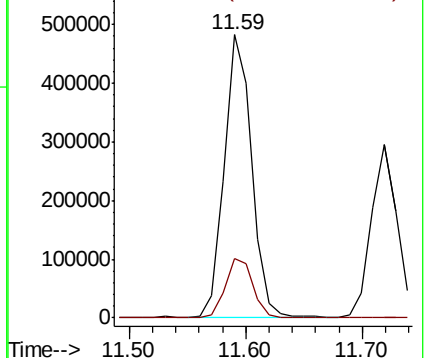
91 100

120 20.8 10.4 31.2



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 55.283 ug/l

RT: 11.72 min Scan# 1124

Delta R.T. 0.00 min

Lab File: VF061071.D

Acq: 18 Dec 2018 19:51

Instrument :

MSVOA_F

ClientSampleId :

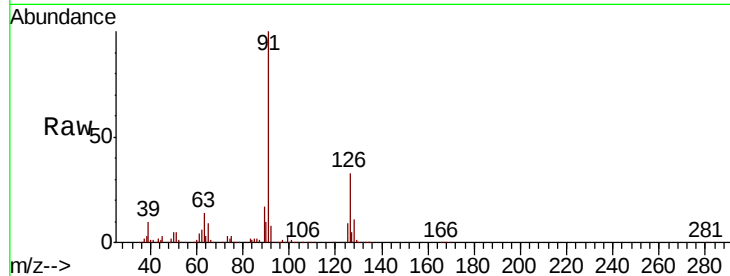
VSTDICCC050

Tgt Ion: 91 Resp: 451981

Ion Ratio Lower Upper

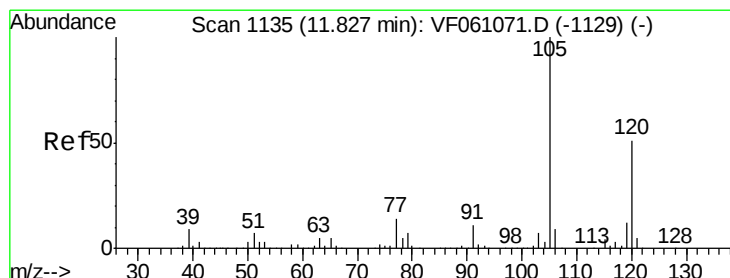
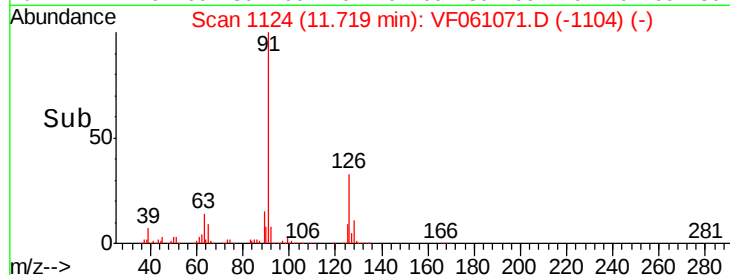
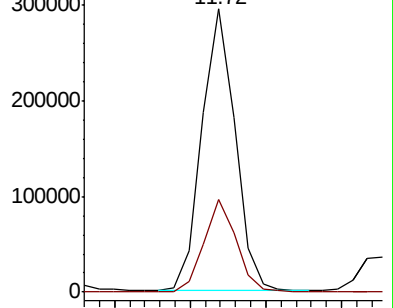
91 100

126 32.7 16.4 49.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V



#80

1,3,5-Trimethylbenzene

Concen: 54.816 ug/l

RT: 11.83 min Scan# 1135

Delta R.T. 0.00 min

Lab File: VF061071.D

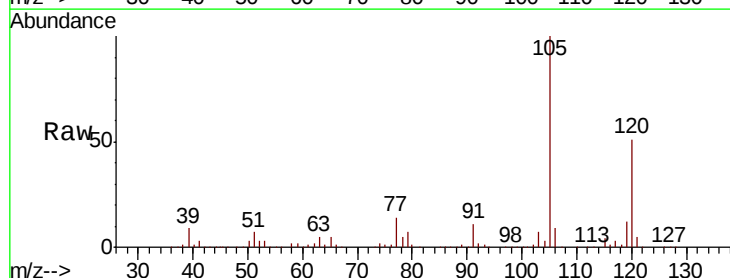
Acq: 18 Dec 2018 19:51

Tgt Ion: 105 Resp: 540452

Ion Ratio Lower Upper

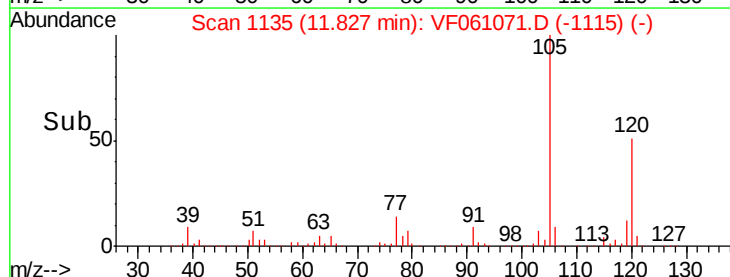
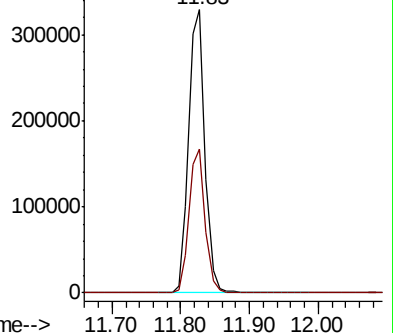
105 100

120 50.9 25.4 76.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 69.626 ug/l

RT: 11.87 min Scan# 1139

Delta R.T. 0.00 min

Lab File: VF061071.D

Acq: 18 Dec 2018 19:51

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

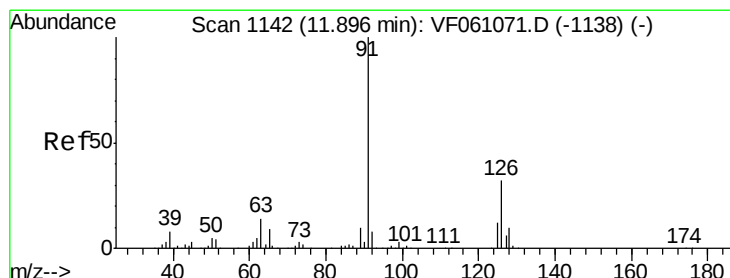
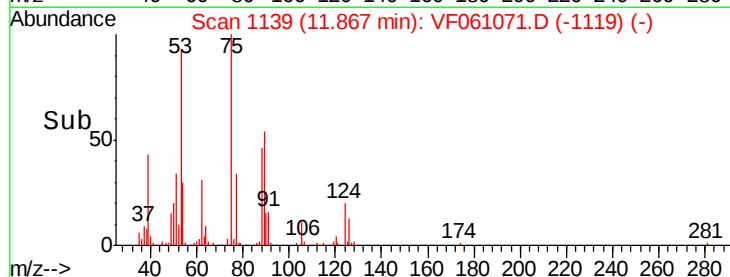
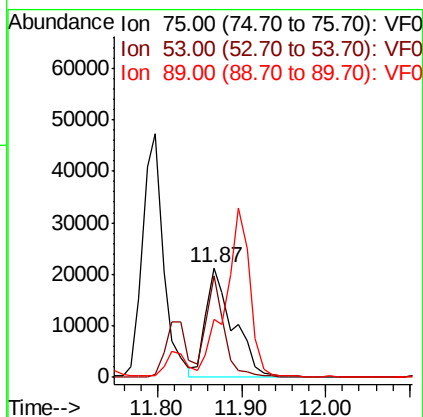
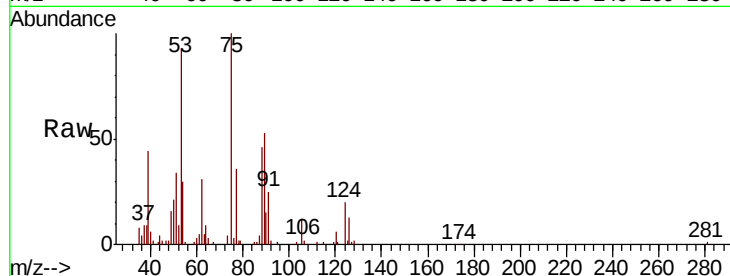
Tgt Ion: 75 Resp: 48897

Ion Ratio Lower Upper

75 100

53 92.6 74.1 111.1

89 53.3 42.6 64.0



#82

4-Chlorotoluene

Concen: 52.366 ug/l

RT: 11.90 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VF061071.D

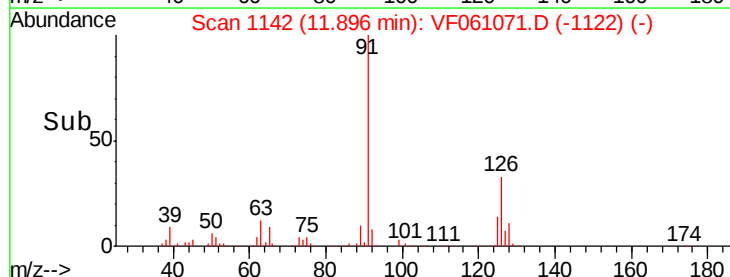
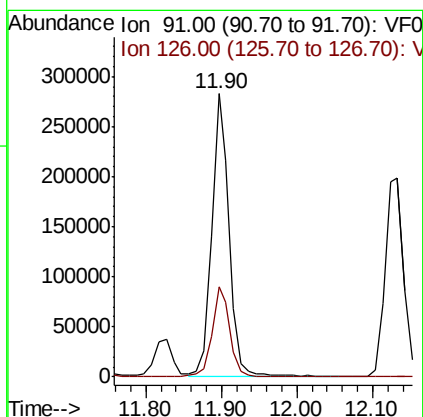
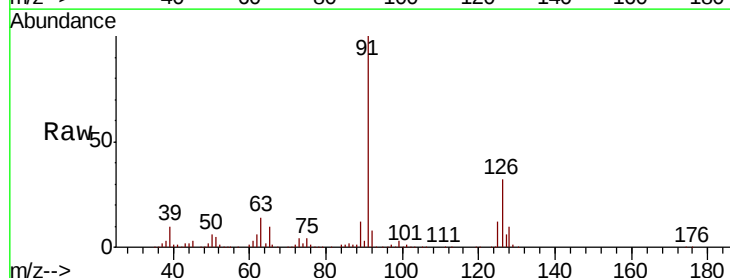
Acq: 18 Dec 2018 19:51

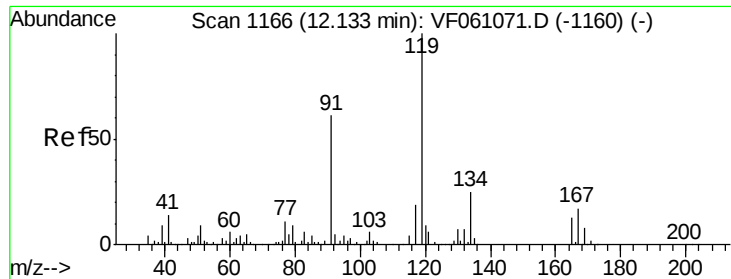
Tgt Ion: 91 Resp: 448896

Ion Ratio Lower Upper

91 100

126 31.9 16.0 47.9

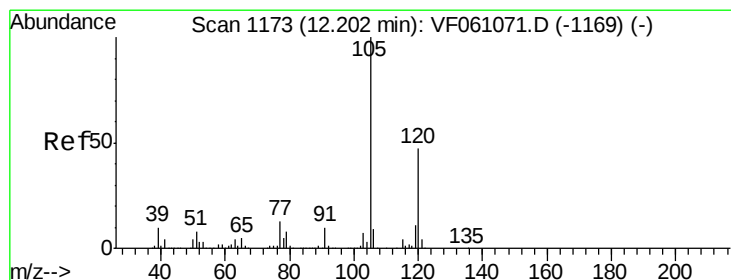
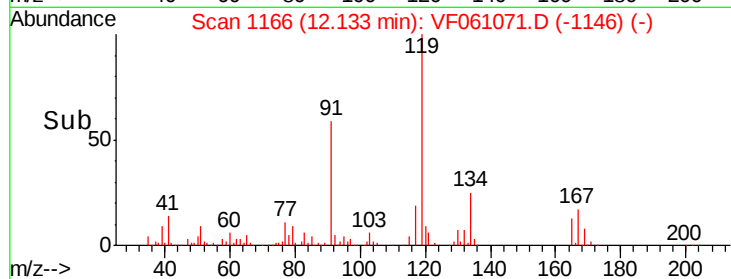
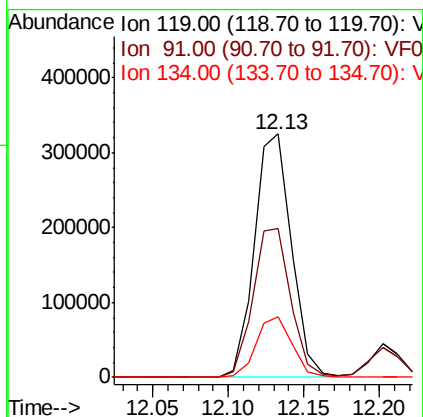
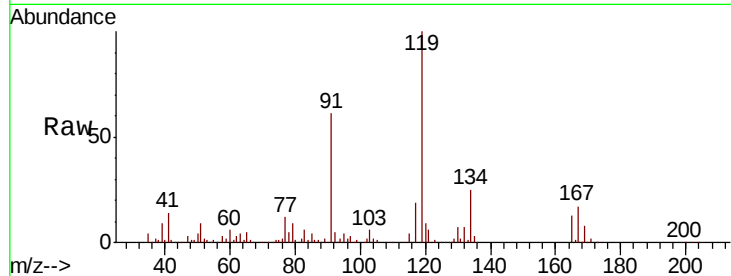




#83
tert-Butylbenzene
Concen: 55.083 ug/l
RT: 12.13 min Scan# 1166
Delta R.T. 0.00 min
Lab File: VF061071.D
Acq: 18 Dec 2018 19:51

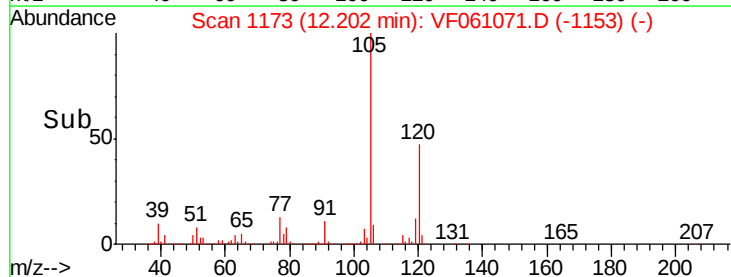
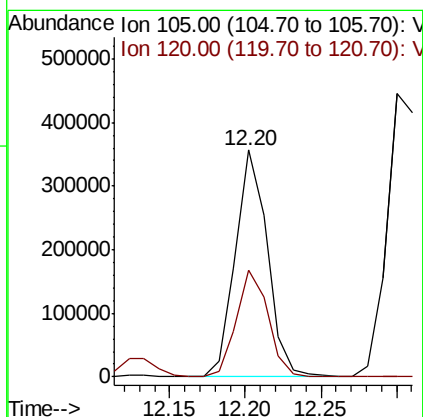
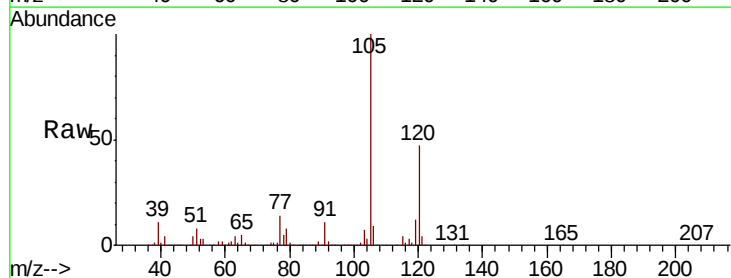
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tgt Ion	Ratio	Lower	Upper
119	100		
91	61.0	30.5	91.5
134	24.9	12.4	37.4



#84
1,2,4-Trimethylbenzene
Concen: 53.834 ug/l
RT: 12.20 min Scan# 1173
Delta R.T. 0.00 min
Lab File: VF061071.D
Acq: 18 Dec 2018 19:51

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.3	23.6	71.0

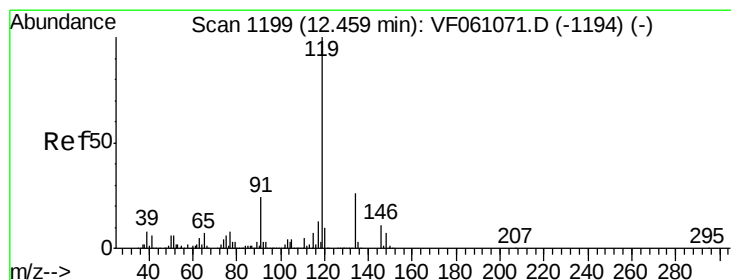
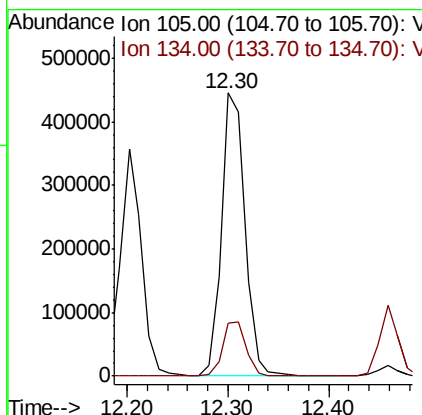
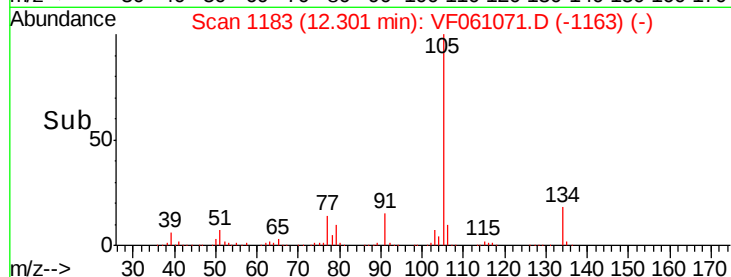
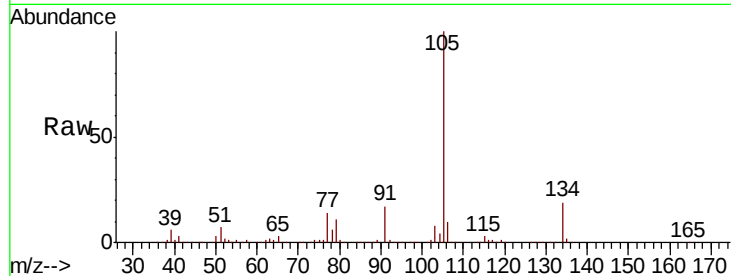




#85
 sec-Butylbenzene
 Concen: 52.699 ug/l
 RT: 12.30 min Scan# 1183
 Delta R.T. 0.00 min
 Lab File: VF061071.D
 Acq: 18 Dec 2018 19:51

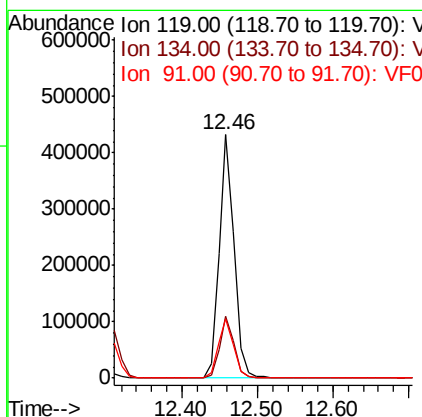
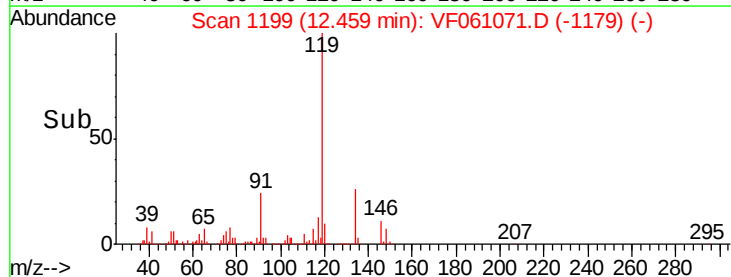
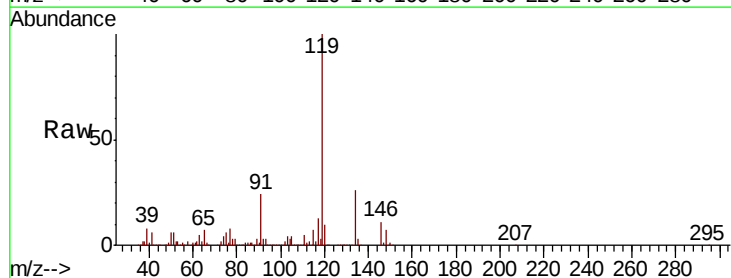
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

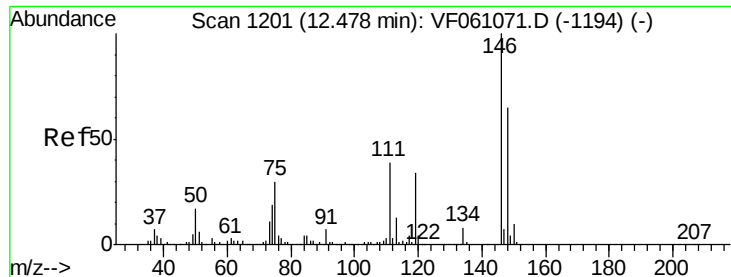
Tgt Ion:105 Resp: 720438
 Ion Ratio Lower Upper
 105 100
 134 18.8 9.4 28.2



#86
 p-Isopropyltoluene
 Concen: 52.286 ug/l
 RT: 12.46 min Scan# 1199
 Delta R.T. 0.00 min
 Lab File: VF061071.D
 Acq: 18 Dec 2018 19:51

Tgt Ion:119 Resp: 601208
 Ion Ratio Lower Upper
 119 100
 134 25.6 12.8 38.4
 91 24.4 12.2 36.6

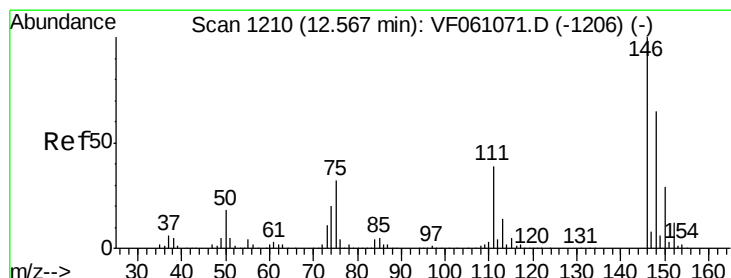
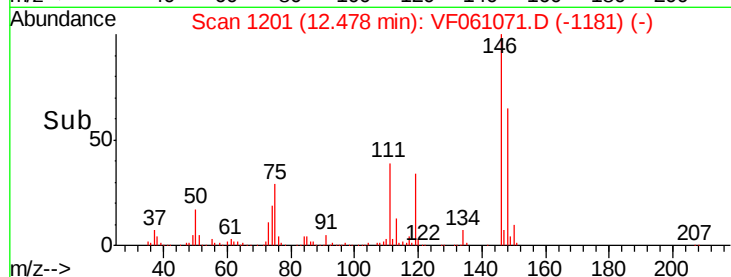
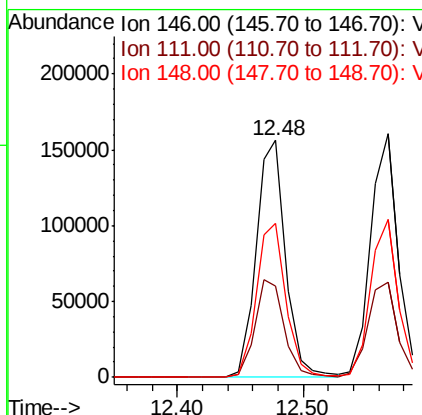
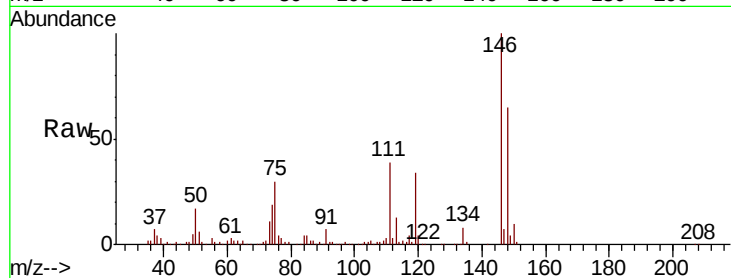




#87
 1,3-Dichlorobenzene
 Concen: 50.804 ug/l
 RT: 12.48 min Scan# 1201
 Delta R.T. 0.00 min
 Lab File: VF061071.D
 Acq: 18 Dec 2018 19:51

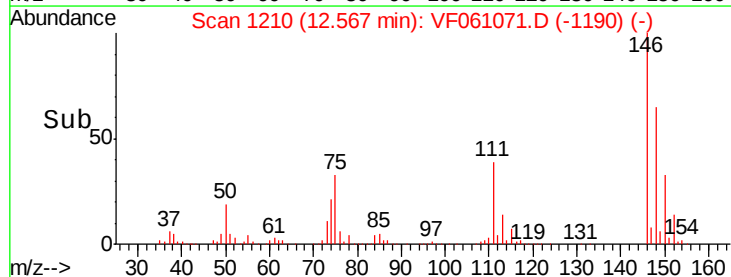
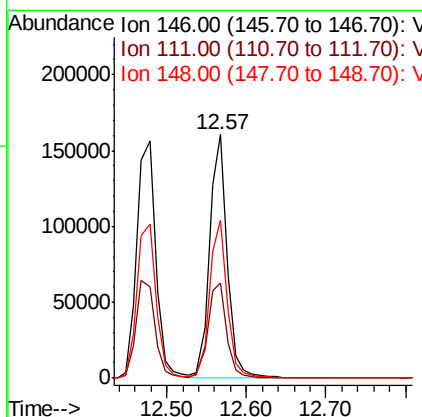
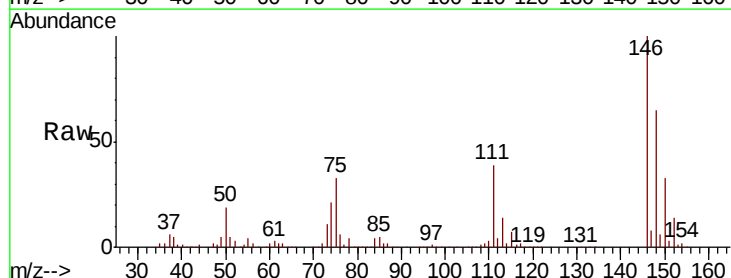
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

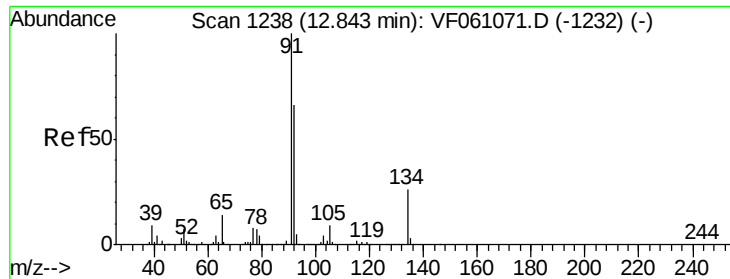
Tgt Ion:146 Resp: 254028
 Ion Ratio Lower Upper
 146 100
 111 38.6 19.3 57.9
 148 64.8 32.4 97.2



#88
 1,4-Dichlorobenzene
 Concen: 51.153 ug/l
 RT: 12.57 min Scan# 1210
 Delta R.T. 0.00 min
 Lab File: VF061071.D
 Acq: 18 Dec 2018 19:51

Tgt Ion:146 Resp: 249402
 Ion Ratio Lower Upper
 146 100
 111 38.9 19.4 58.4
 148 64.7 32.4 97.0

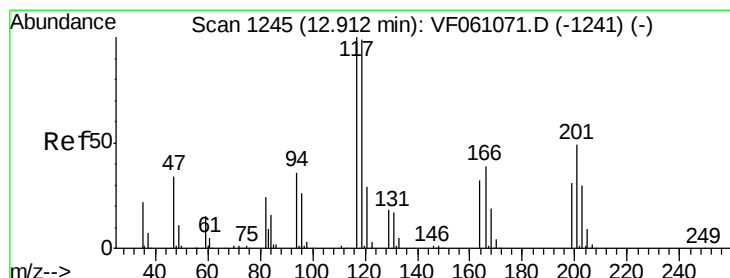
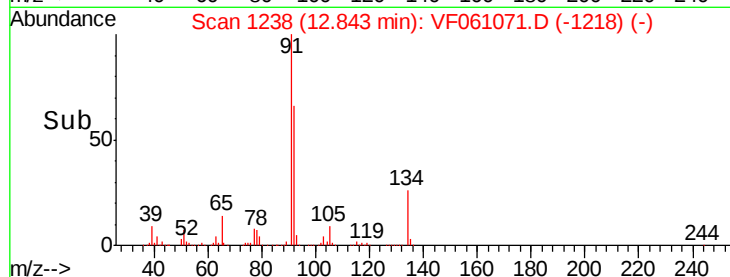
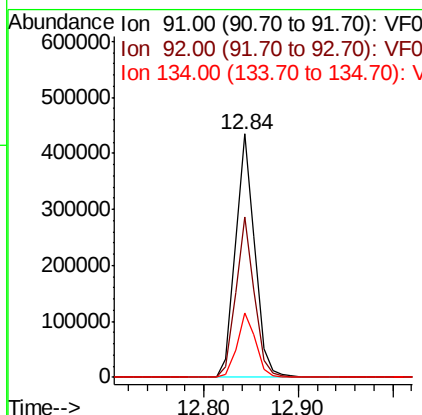
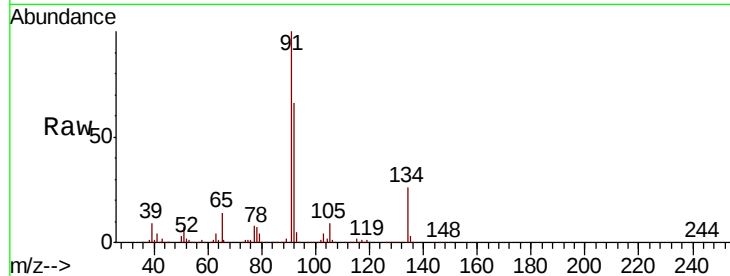




#89
n-Butylbenzene
Concen: 53.188 ug/l
RT: 12.84 min Scan# 1238
Delta R.T. 0.00 min
Lab File: VF061071.D
Acq: 18 Dec 2018 19:51

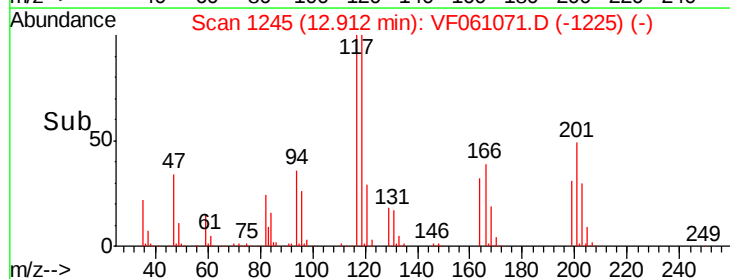
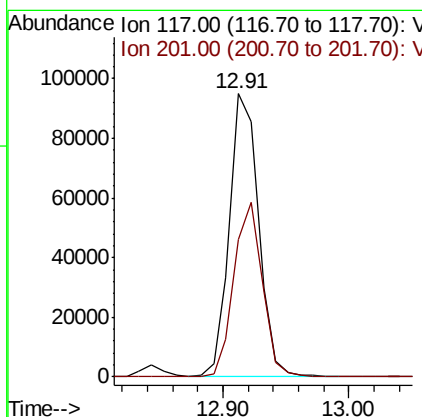
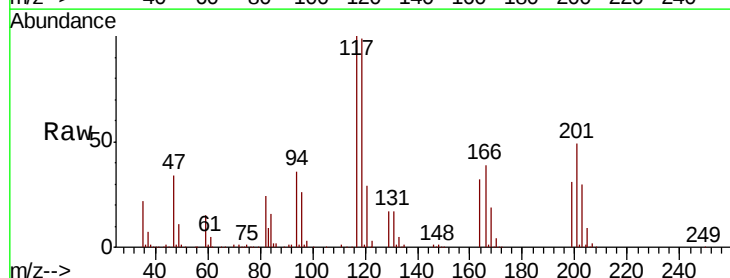
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

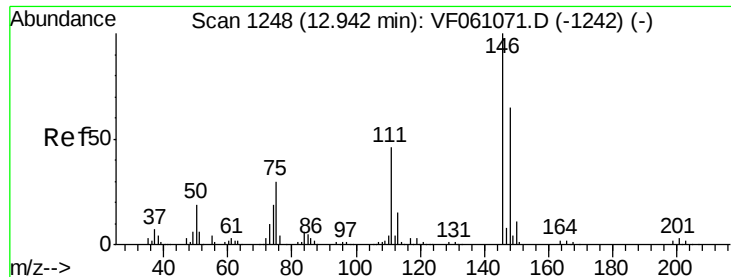
Tgt Ion: 91 Resp: 615519
Ion Ratio Lower Upper
91 100
92 65.6 32.8 98.4
134 26.3 13.2 39.5



#90
Hexachloroethane
Concen: 54.774 ug/l
RT: 12.91 min Scan# 1245
Delta R.T. 0.00 min
Lab File: VF061071.D
Acq: 18 Dec 2018 19:51

Tgt Ion: 117 Resp: 151072
Ion Ratio Lower Upper
117 100
201 49.9 24.9 74.8

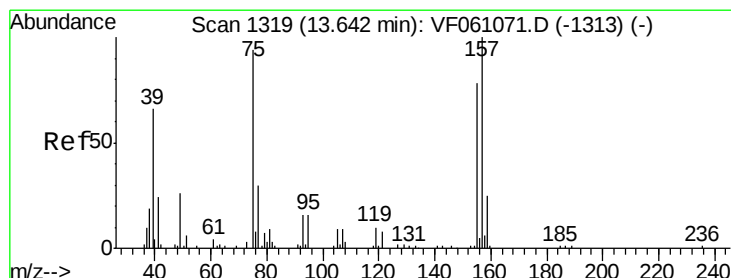
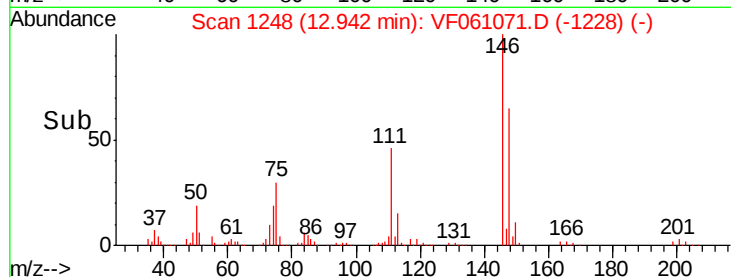
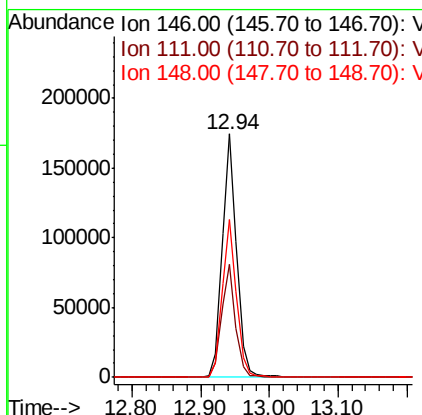
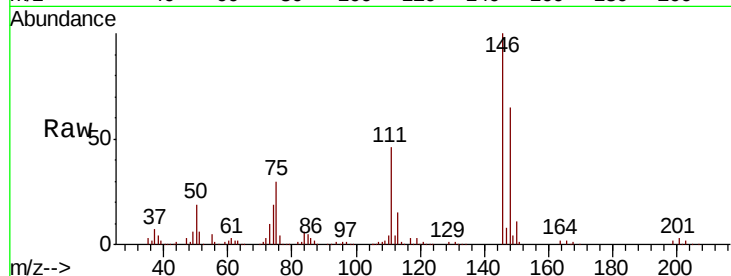




#91
 1,2-Dichlorobenzene
 Concen: 53.436 ug/l
 RT: 12.94 min Scan# 1248
 Delta R.T. 0.00 min
 Lab File: VF061071.D
 Acq: 18 Dec 2018 19:51

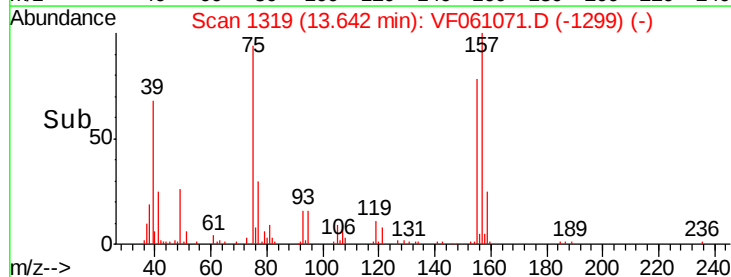
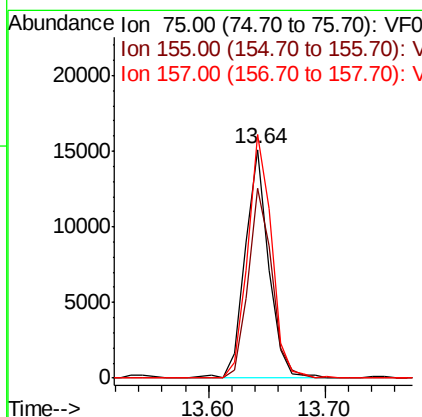
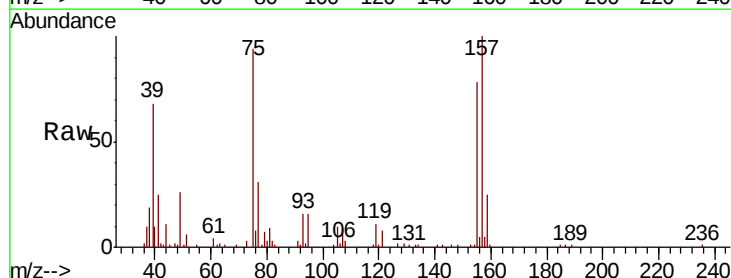
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tgt Ion: 146 Resp: 254151
 Ion Ratio Lower Upper
 146 100
 111 46.3 23.2 69.5
 148 64.7 32.4 97.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.844 ug/l
 RT: 13.64 min Scan# 1319
 Delta R.T. 0.00 min
 Lab File: VF061071.D
 Acq: 18 Dec 2018 19:51

Tgt Ion: 75 Resp: 21137
 Ion Ratio Lower Upper
 75 100
 155 83.0 41.5 124.5
 157 106.4 53.2 159.6

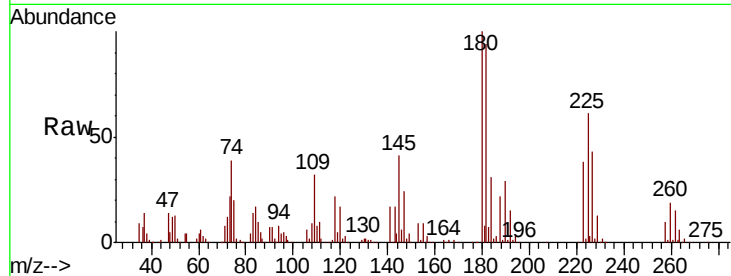




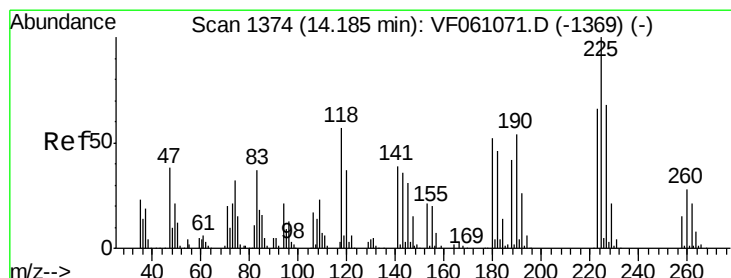
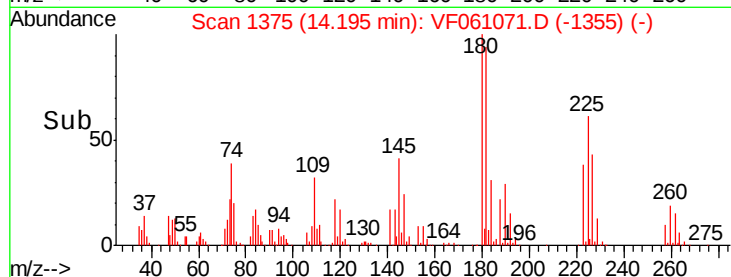
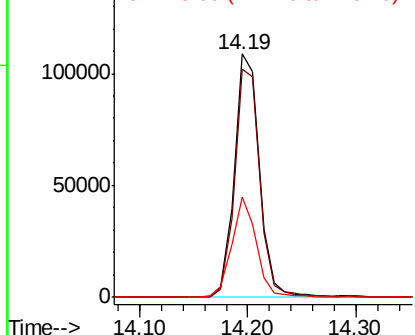
#93
 1,2,4-Trichlorobenzene
 Concen: 53.006 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. 0.00 min
 Lab File: VF061071.D
 Acq: 18 Dec 2018 19:51

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tgt Ion:180 Resp: 176299
 Ion Ratio Lower Upper
 180 100
 182 93.7 46.9 140.6
 145 41.1 20.5 61.6

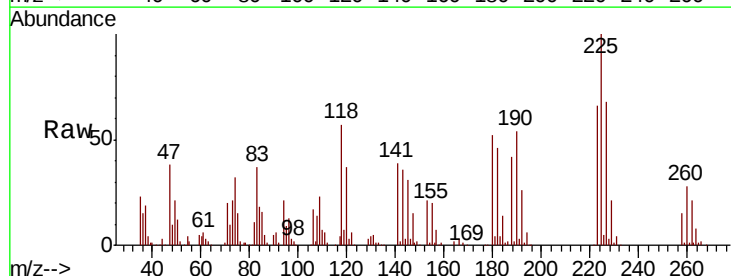


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

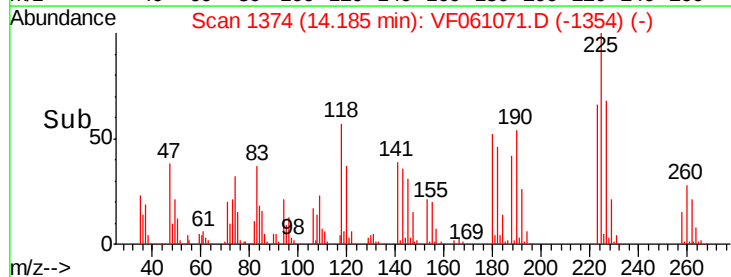
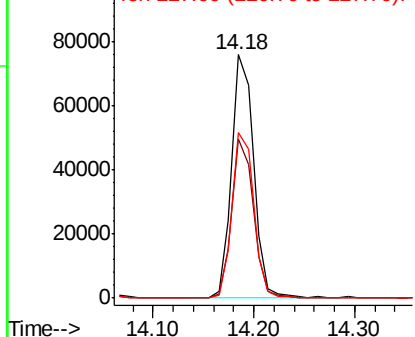


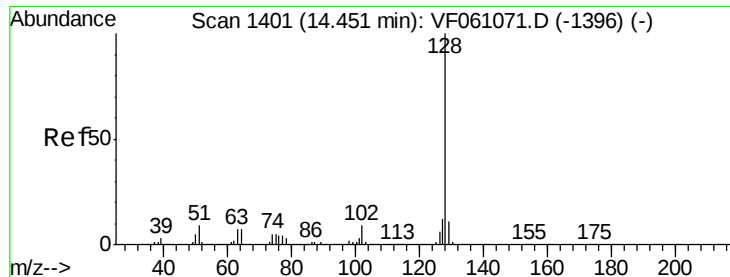
#94
 Hexachlorobutadiene
 Concen: 52.054 ug/l
 RT: 14.18 min Scan# 1374
 Delta R.T. 0.00 min
 Lab File: VF061071.D
 Acq: 18 Dec 2018 19:51

Tgt Ion:225 Resp: 115265
 Ion Ratio Lower Upper
 225 100
 223 65.5 32.8 98.3
 227 67.9 34.0 101.8



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

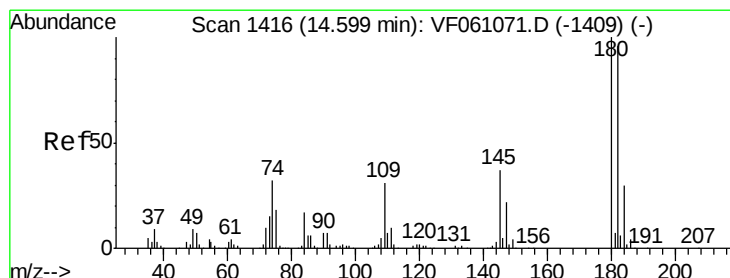
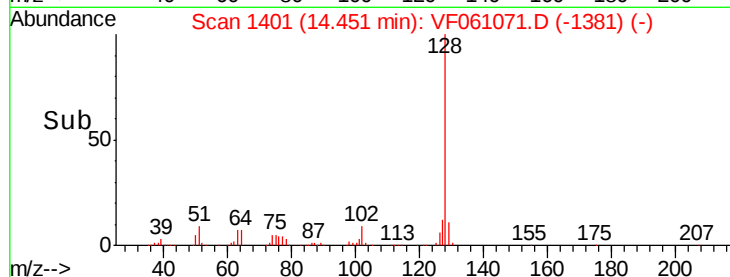
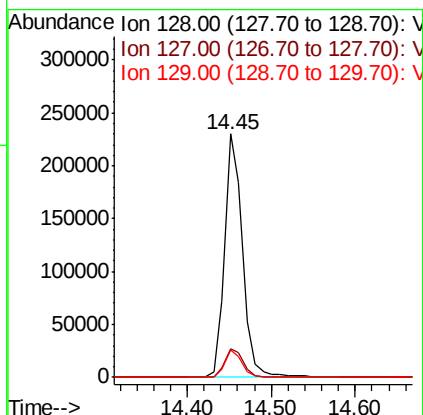
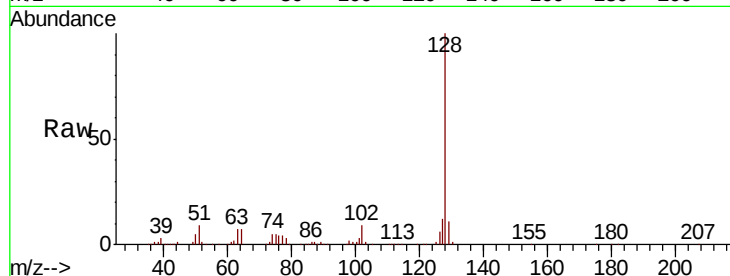




#95
Naphthalene
Concen: 46.656 ug/l
RT: 14.45 min Scan# 1401
Delta R.T. 0.00 min
Lab File: VF061071.D
Acq: 18 Dec 2018 19:51

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tgt Ion:128 Resp: 340639
Ion Ratio Lower Upper
128 100
127 11.8 9.4 14.2
129 11.0 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 56.309 ug/l
RT: 14.60 min Scan# 1416
Delta R.T. 0.00 min
Lab File: VF061071.D
Acq: 18 Dec 2018 19:51

Tgt Ion:180 Resp: 176225
Ion Ratio Lower Upper
180 100
182 95.9 47.9 143.8
145 37.2 18.6 55.8

