

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF032119\
 Data File : VF062054.D
 Acq On : 21 Mar 2019 11:48
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Quant Time: Mar 22 08:05:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F031619S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 03:22:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	277360	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.59	114	433111	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.77	117	378633	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	200007	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.84	65	99794	49.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.96%	
35) Dibromofluoromethane	4.11	113	145061	49.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.76%	
50) Toluene-d8	7.55	98	395397	46.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.02%	
62) 4-Bromofluorobenzene	11.41	95	160863	47.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.26%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.96	85	136660	46.220	ug/l	99
3) Chloromethane	1.10	50	147363	49.044	ug/l	90
4) Vinyl Chloride	1.14	62	147091	50.616	ug/l	97
5) Bromomethane	1.33	94	107100	52.462	ug/l	100
6) Chloroethane	1.40	64	76245	50.823	ug/l	100
7) Trichlorofluoromethane	1.48	101	135538	35.205	ug/l	93
8) Diethyl Ether	1.63	74	45572	53.246	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	1.84	101	132963	49.018	ug/l	95
10) Methyl Iodide	1.92	142	185206	39.001	ug/l	97
11) Tert butyl alcohol	2.57	59	31042	254.088	ug/l #	90
12) 1,1-Dichloroethene	1.80	96	123827	52.897	ug/l	85
13) Acrolein	2.00	56	34727	263.310	ug/l	87
14) Allyl chloride	2.10	41	148585	49.724	ug/l	94
15) Acrylonitrile	2.94	53	107055	288.158	ug/l	97
16) Acetone	2.24	43	134750	300.558	ug/l	98
17) Carbon Disulfide	1.81	76	245408	36.266	ug/l	96
18) Methyl Acetate	2.34	43	63041	62.049	ug/l	96
19) Methyl tert-butyl Ether	2.43	73	220966	52.093	ug/l	98
20) Methylene Chloride	2.18	84	39981	17.092	ug/l	93
21) trans-1,2-Dichloroethene	2.30	96	120949	49.510	ug/l	93
22) Diisopropyl ether	2.80	45	382534	53.222	ug/l	99
23) Vinyl Acetate	3.18	43	802492	283.224	ug/l	99
24) 1,1-Dichloroethane	2.87	63	216546	51.814	ug/l	99
25) 2-Butanone	4.33	43	245752	276.776	ug/l	93
26) 2,2-Dichloropropane	3.60	77	94329	47.851	ug/l	99
27) cis-1,2-Dichloroethene	3.48	96	153139	49.736	ug/l	97
28) Bromochloromethane	3.71	49	88925	51.279	ug/l	99
29) Tetrahydrofuran	4.07	42	106935	276.929	ug/l	99
30) Chloroform	3.85	83	234999	49.627	ug/l	96
31) Cyclohexane	3.69	56	118307	28.655	ug/l	97
32) 1,1,1-Trichloroethane	4.09	97	140825	44.781	ug/l	92
36) 1,1-Dichloropropene	4.28	75	194030	49.609	ug/l	97
37) Ethyl Acetate	4.11	43	89448	50.934	ug/l	87
38) Carbon Tetrachloride	3.99	117	132209	46.252	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.44	83	213056	46.401	ug/l	94
40) Benzene	4.63	78	519406	50.117	ug/l	98
41) Methacrylonitrile	4.74	41	48398	51.582	ug/l	94
42) 1,2-Dichloroethane	4.94	62	134242	52.033	ug/l	98
43) Isopropyl Acetate	6.96	43	105089	50.576	ug/l #	94
44) Trichloroethene	5.50	130	153098	48.223	ug/l	98
45) 1,2-Dichloropropane	6.23	63	119498	48.722	ug/l	97
46) Dibromomethane	6.08	93	78859	54.049	ug/l	96
47) Bromodichloromethane	6.38	83	170937	49.694	ug/l	98
48) Methyl methacrylate	6.71	41	64769	48.231	ug/l #	88
49) 1,4-Dioxane	6.70	88	12771	1069.151	ug/l #	76
51) 4-Methyl-2-Pentanone	8.25	43	395897	268.315	ug/l	95
52) Toluene	7.62	92	305701	48.277	ug/l	95
53) t-1,3-Dichloropropene	8.27	75	141250	48.639	ug/l	97
54) cis-1,3-Dichloropropene	7.29	75	192093	50.695	ug/l	99
55) 1,1,2-Trichloroethane	8.49	97	94464	53.450	ug/l	98
56) Ethyl methacrylate	8.62	69	110722	55.112	ug/l	98
57) 1,3-Dichloropropane	8.85	76	147712	50.104	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.29	63	77868	213.987	ug/l	99
59) 2-Hexanone	9.48	43	299790	280.749	ug/l	98
60) Dibromochloromethane	8.71	129	131004	53.395	ug/l	99
61) 1,2-Dibromoethane	8.98	107	98197	51.799	ug/l	95
64) Tetrachloroethene	8.15	164	132639	48.193	ug/l	97
65) Chlorobenzene	9.79	112	346230	49.115	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.93	131	140118	51.278	ug/l	97
67) Ethyl Benzene	9.90	91	559141	46.324	ug/l	99
68) m/p-Xylenes	10.12	106	437963	96.473	ug/l	96
69) o-Xylene	10.71	106	234917	48.361	ug/l	99
70) Styrene	10.78	104	331427	49.248	ug/l	99
71) Bromoform	10.77	173	75546	54.659	ug/l	98
73) Isopropylbenzene	11.12	105	674214	48.794	ug/l	100
74) N-amyl acetate	11.37	43	174019	54.963	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.69	83	120931	53.022	ug/l	93
76) 1,2,3-Trichloropropane	11.79	75	81745	51.256	ug/l	98
77) Bromobenzene	11.49	156	156604	48.940	ug/l	99
78) n-propylbenzene	11.59	91	728170	45.831	ug/l	98
79) 2-Chlorotoluene	11.71	91	428997	47.835	ug/l	96
80) 1,3,5-Trimethylbenzene	11.82	105	544138	48.750	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.87	75	49086	69.572	ug/l	89
82) 4-Chlorotoluene	11.90	91	422582	46.595	ug/l	98
83) tert-Butylbenzene	12.13	119	572840	49.073	ug/l	98
84) 1,2,4-Trimethylbenzene	12.20	105	533709	47.738	ug/l	100
85) sec-Butylbenzene	12.30	105	760742	48.236	ug/l	96
86) p-Isopropyltoluene	12.46	119	669954	50.908	ug/l	99
87) 1,3-Dichlorobenzene	12.47	146	303375	48.238	ug/l	97
88) 1,4-Dichlorobenzene	12.56	146	304592	50.318	ug/l	98
89) n-Butylbenzene	12.85	91	618939	50.051	ug/l	98
90) Hexachloroethane	12.91	117	158215	52.681	ug/l	93
91) 1,2-Dichlorobenzene	12.94	146	288295	49.493	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.64	75	18944	51.760	ug/l	89

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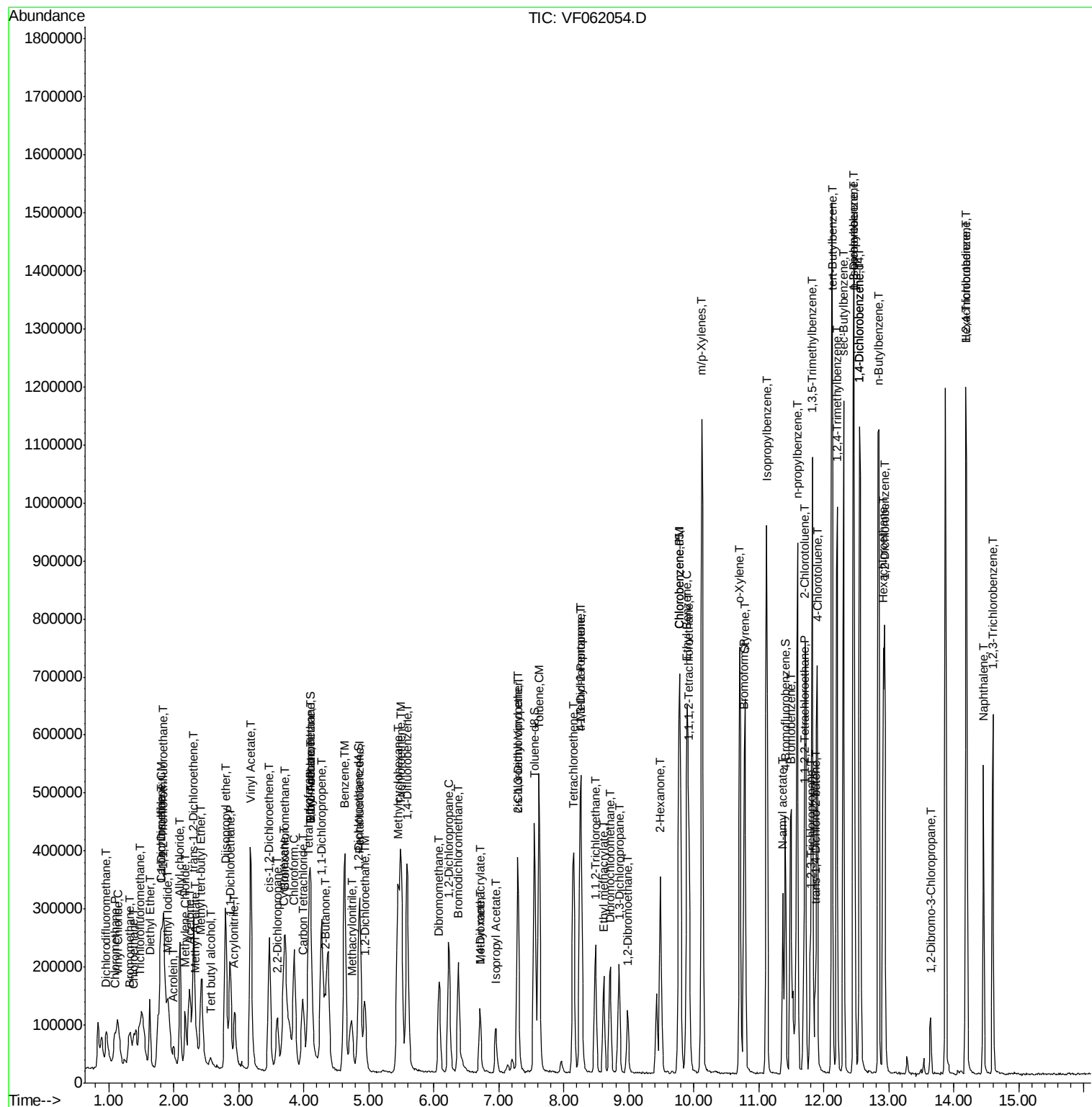
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	200574	49.448	ug/l	99
94) Hexachlorobutadiene	14.19	225	129618	48.134	ug/l	97
95) Naphthalene	14.45	128	392605	53.816	ug/l	99
96) 1,2,3-Trichlorobenzene	14.60	180	193343	51.810	ug/l	94

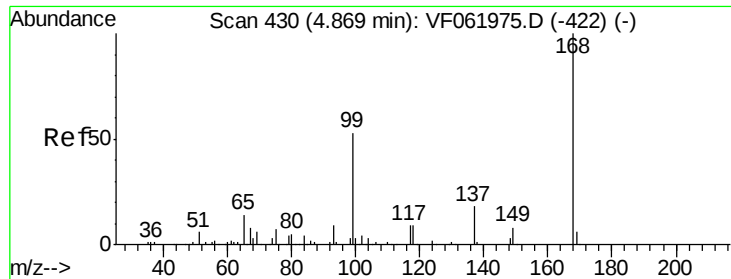
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.87 min Scan# 430

Delta R.T. -0.00 min

Lab File: VF062054.D

Acq: 21 Mar 2019 11:48

Instrument :

MSVOA_F

ClientSampleId :

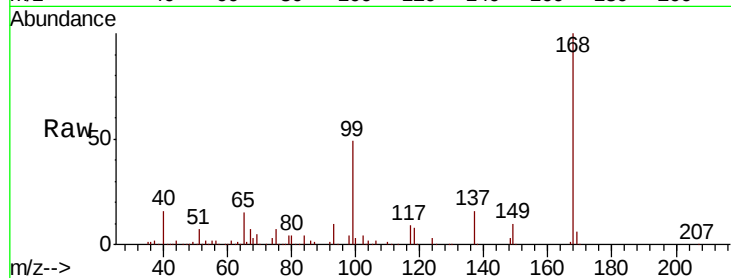
VSTDCCC050

Tgt Ion:168 Resp: 277360

Ion Ratio Lower Upper

168 100

99 48.7 42.4 63.6



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.87

80000

60000

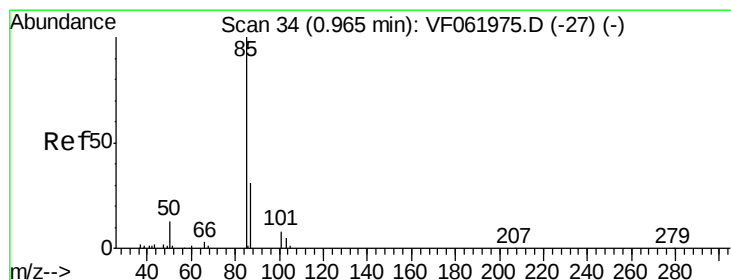
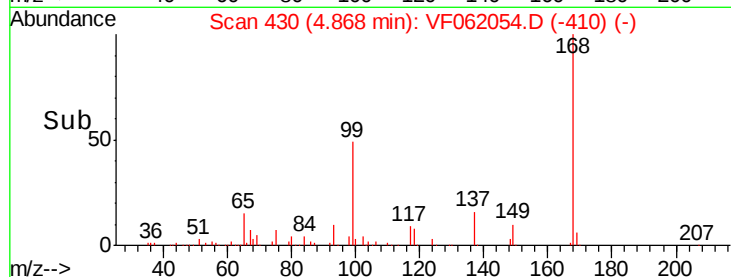
40000

20000

0

4.70 4.80 4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 46.220 ug/l

RT: 0.96 min Scan# 34

Delta R.T. -0.00 min

Lab File: VF062054.D

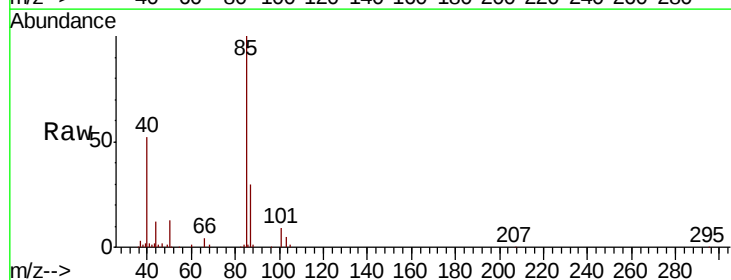
Acq: 21 Mar 2019 11:48

Tgt Ion: 85 Resp: 136660

Ion Ratio Lower Upper

85 100

87 30.1 15.4 46.2



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

40000

30000

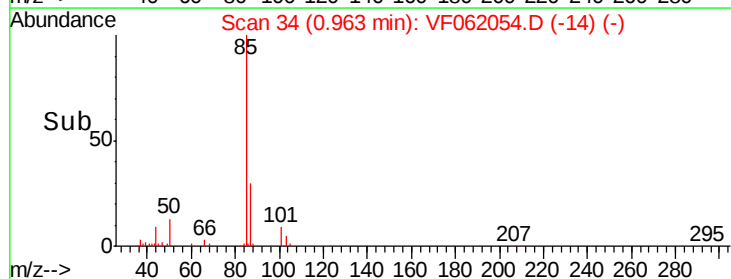
20000

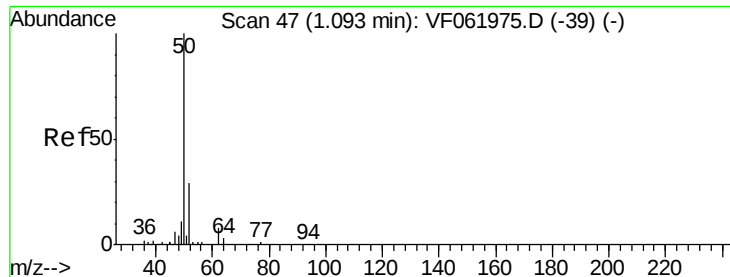
10000

0

0.80 0.90 1.00 1.10 1.20

Time-->

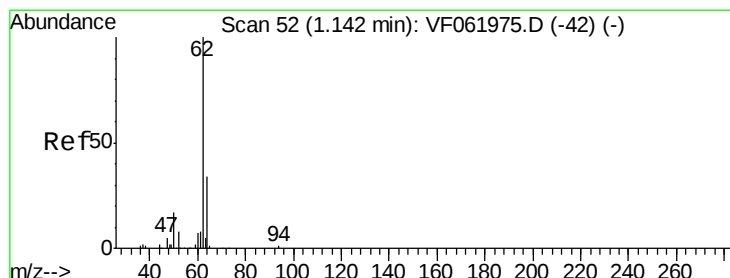
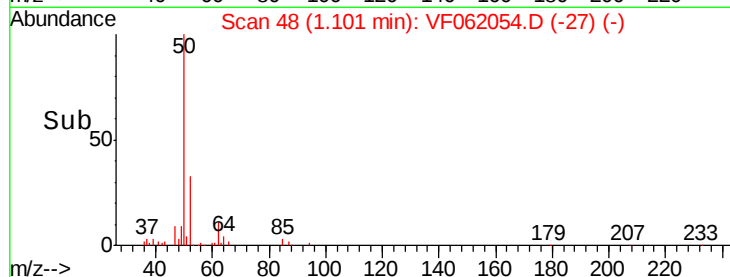
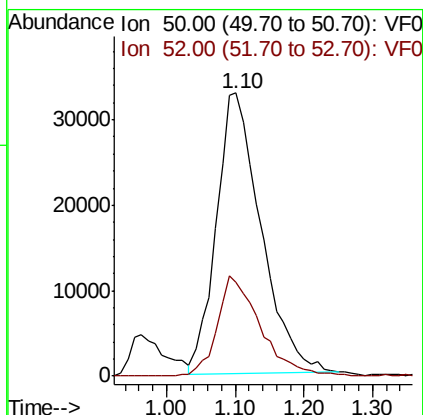
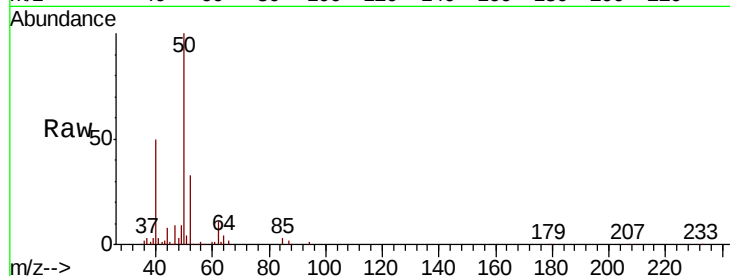




#3
Chloromethane
Concen: 49.044 ug/l
RT: 1.10 min Scan# 48
Delta R.T. 0.01 min
Lab File: VF062054.D
Acq: 21 Mar 2019 11:48

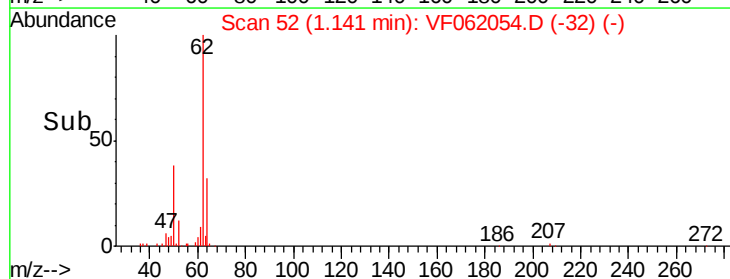
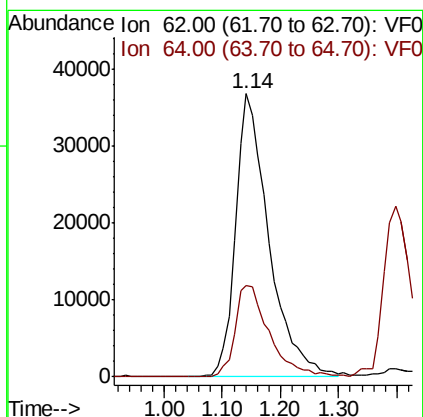
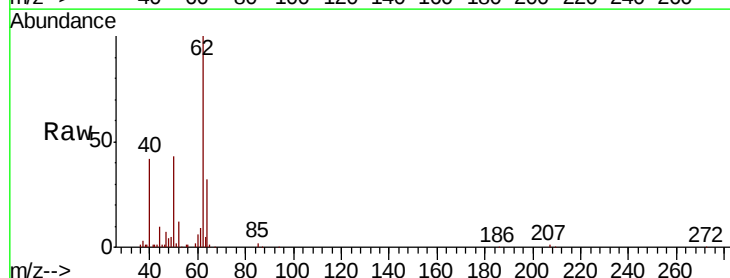
Instrument :
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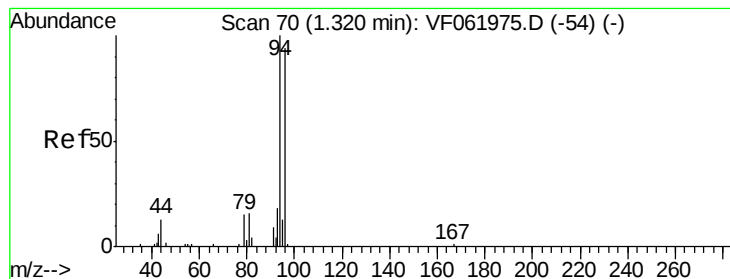
Tgt Ion: 50 Resp: 147363
Ion Ratio Lower Upper
50 100
52 33.4 22.6 34.0



#4
Vinyl Chloride
Concen: 50.616 ug/l
RT: 1.14 min Scan# 52
Delta R.T. -0.00 min
Lab File: VF062054.D
Acq: 21 Mar 2019 11:48

Tgt Ion: 62 Resp: 147091
Ion Ratio Lower Upper
62 100
64 32.3 27.4 41.2





#5

Bromomethane

Concen: 52.462 ug/l

RT: 1.33 min Scan# 71

Delta R.T. 0.01 min

Lab File: VF062054.D

Acq: 21 Mar 2019 11:48

Instrument :

MSVOA_F

ClientSampleId :

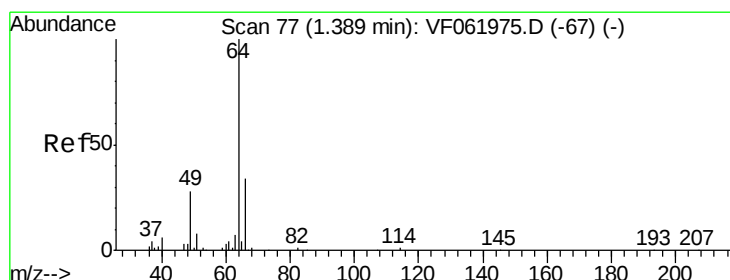
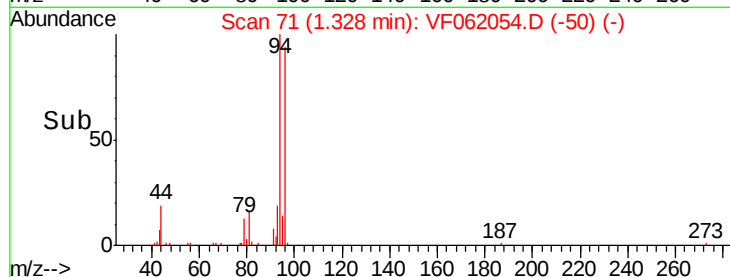
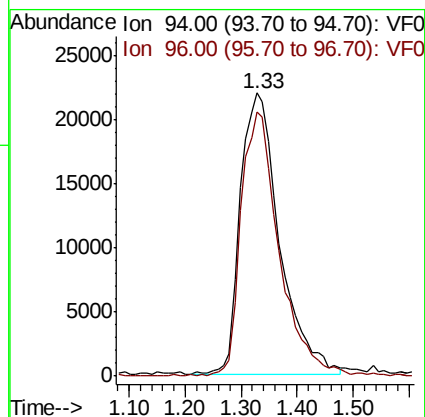
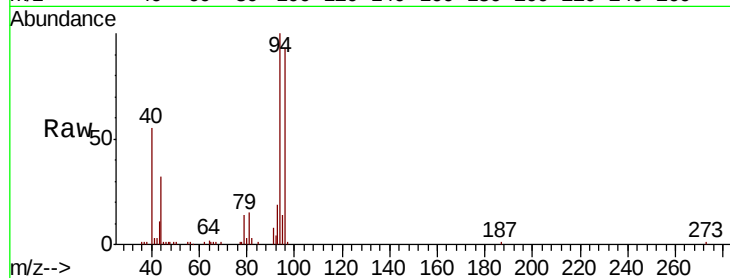
VSTDCCC050

Tgt Ion: 94 Resp: 107100

Ion Ratio Lower Upper

94 100

96 93.5 75.0 112.6



#6

Chloroethane

Concen: 50.823 ug/l

RT: 1.40 min Scan# 78

Delta R.T. 0.01 min

Lab File: VF062054.D

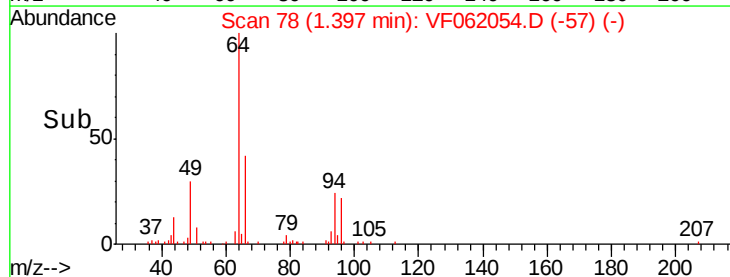
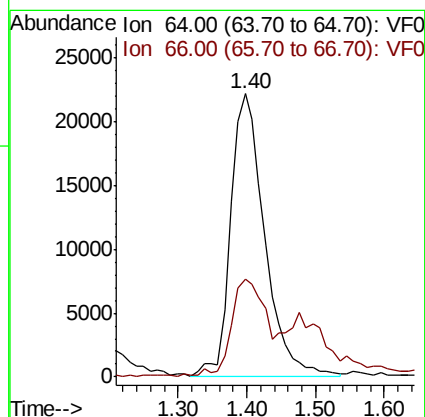
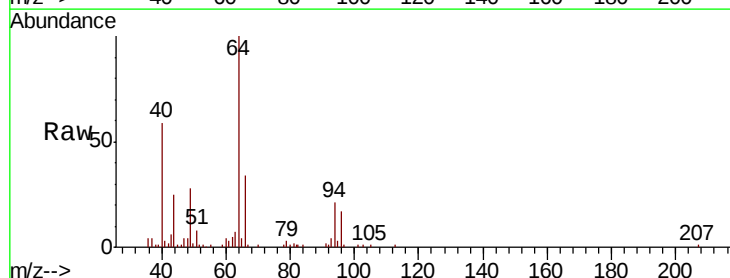
Acq: 21 Mar 2019 11:48

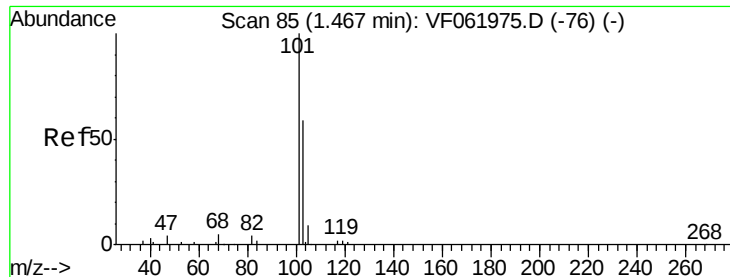
Tgt Ion: 64 Resp: 76245

Ion Ratio Lower Upper

64 100

66 34.4 27.6 41.4





#7

Trichlorofluoromethane

Concen: 35.205 ug/l

RT: 1.48 min Scan# 86

Delta R.T. 0.01 min

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ClientSampleId :

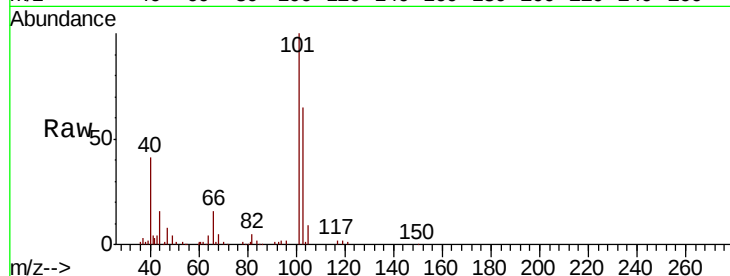
VSTDCCC050

Tgt Ion:101 Resp: 135538

Ion Ratio Lower Upper

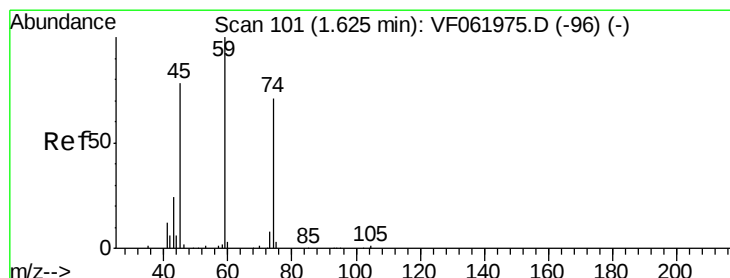
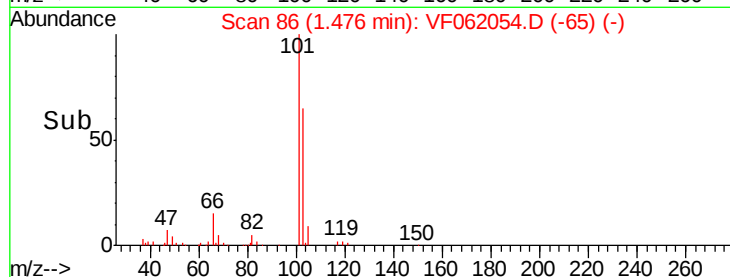
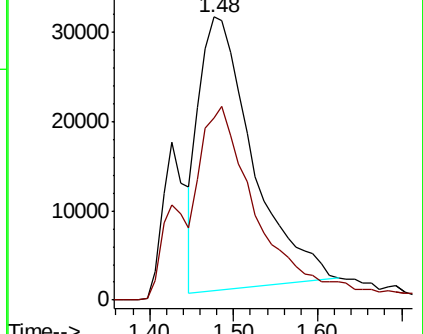
101 100

103 64.5 47.3 70.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 53.246 ug/l

RT: 1.63 min Scan# 102

Delta R.T. 0.01 min

Lab File: VF062054.D

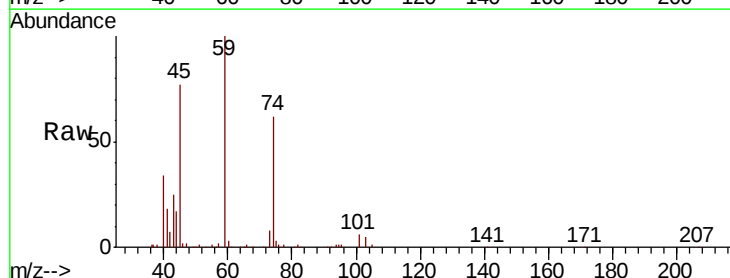
Acq: 21 Mar 2019 11:48

Tgt Ion: 74 Resp: 45572

Ion Ratio Lower Upper

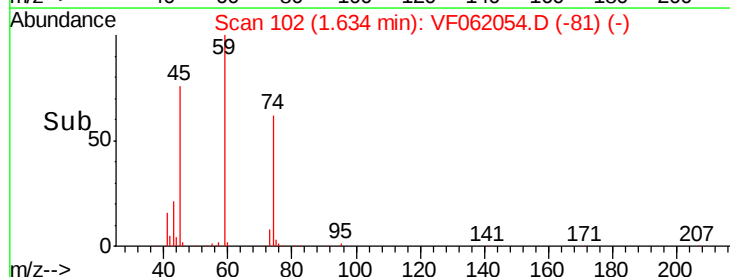
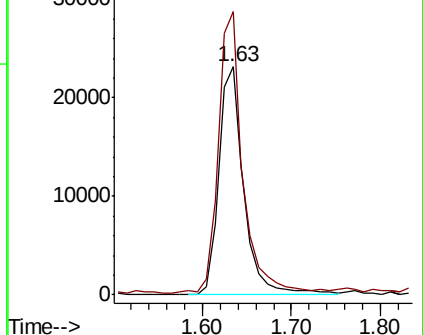
74 100

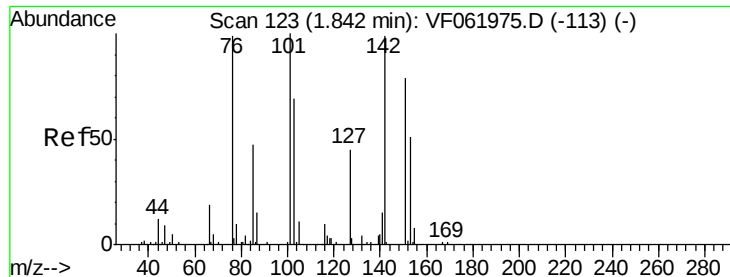
45 124.3 56.3 168.8



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.018 ug/l

RT: 1.84 min Scan# 123

Delta R.T. -0.00 min

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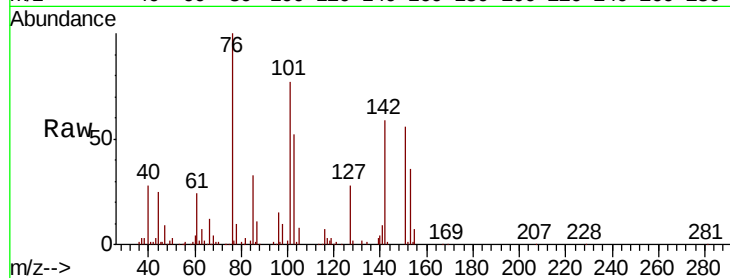
Tgt Ion:101 Resp: 132963

Ion Ratio Lower Upper

101 100

85 42.5 36.8 55.2

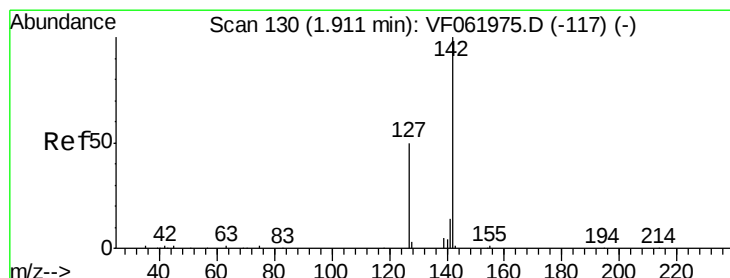
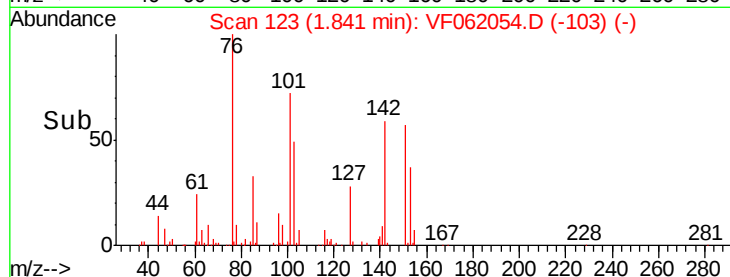
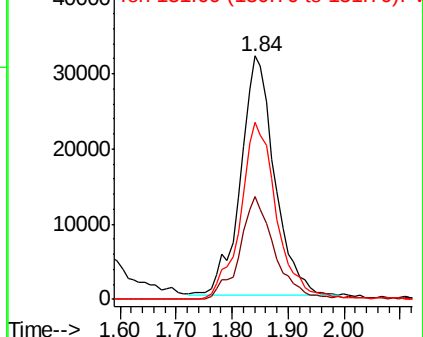
151 73.0 62.2 93.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 39.001 ug/l

RT: 1.92 min Scan# 131

Delta R.T. 0.01 min

Lab File: VF062054.D

Acq: 21 Mar 2019 11:48

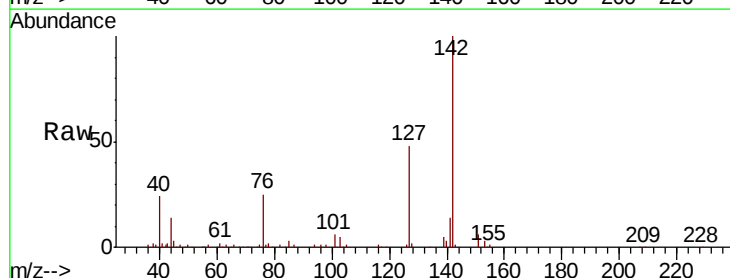
Tgt Ion:142 Resp: 185206

Ion Ratio Lower Upper

142 100

127 47.6 39.7 59.5

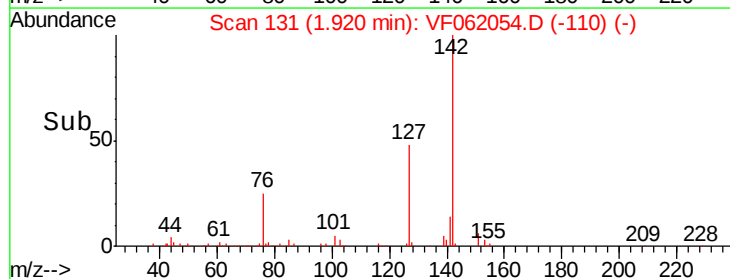
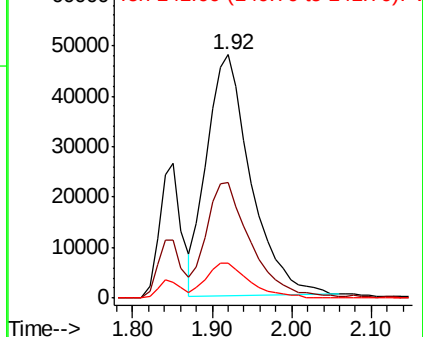
141 14.1 10.8 16.2

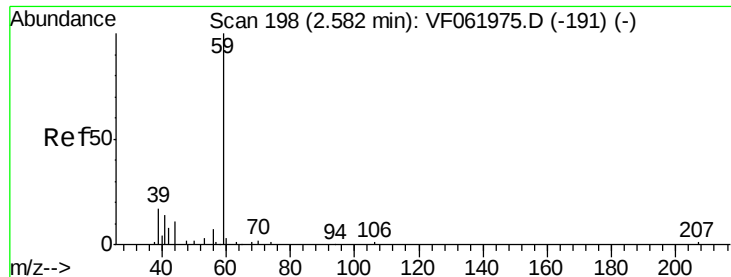


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V

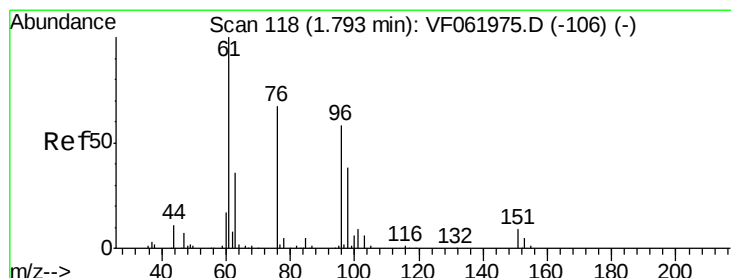
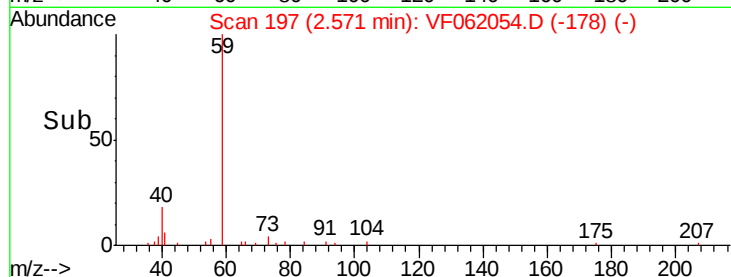
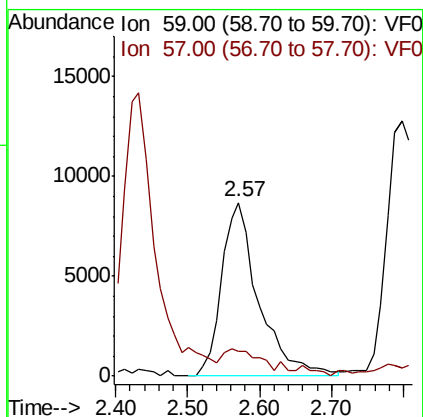
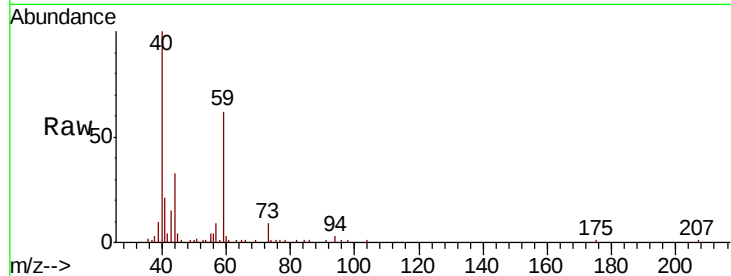




#11
Tert butyl alcohol
Concen: 254.088 ug/l
RT: 2.57 min Scan# 197
Delta R.T. -0.01 min
Lab File: VF062054.D
Acq: 21 Mar 2019 11:48

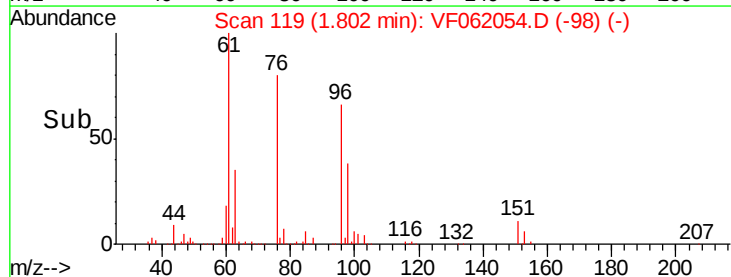
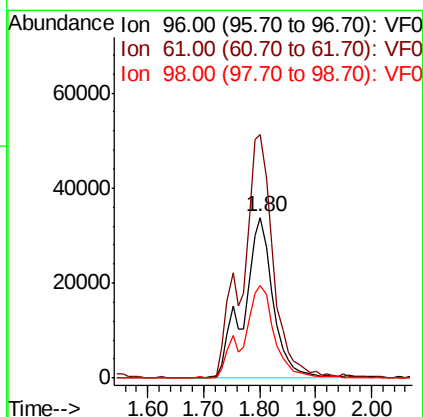
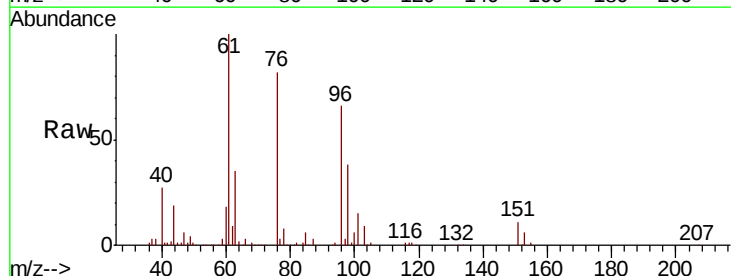
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

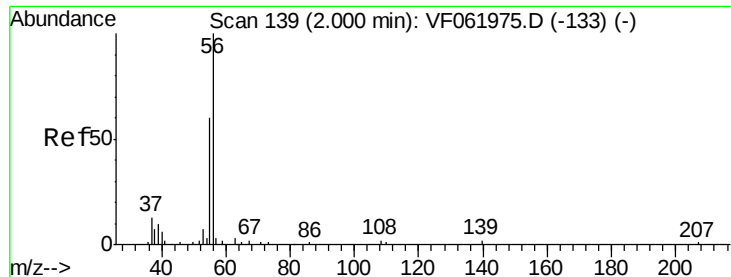
Tgt Ion: 59 Resp: 31042
Ion Ratio Lower Upper
59 100
57 14.7 8.7 13.1#



#12
1,1-Dichloroethene
Concen: 52.897 ug/l
RT: 1.80 min Scan# 119
Delta R.T. 0.01 min
Lab File: VF062054.D
Acq: 21 Mar 2019 11:48

Tgt Ion: 96 Resp: 123827
Ion Ratio Lower Upper
96 100
61 151.2 138.6 208.0
98 57.9 53.2 79.8





#13

Acrolein

Concen: 263.310 ug/l

RT: 2.00 min Scan# 139

Delta R.T. -0.00 min

Lab File: VF062054.D

Acq: 21 Mar 2019 11:48

Instrument :

MSVOA_F

ClientSampleId :

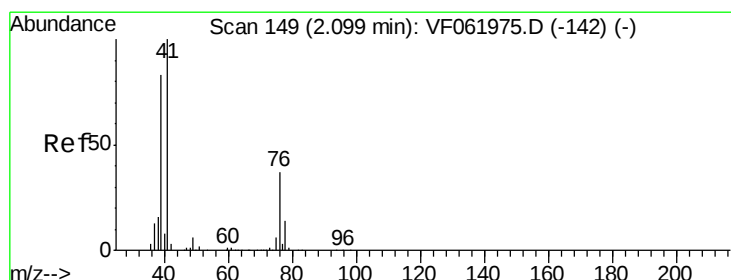
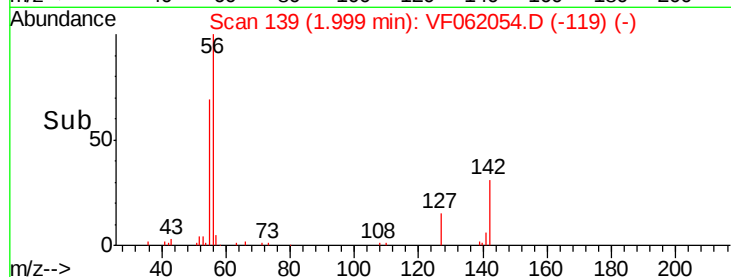
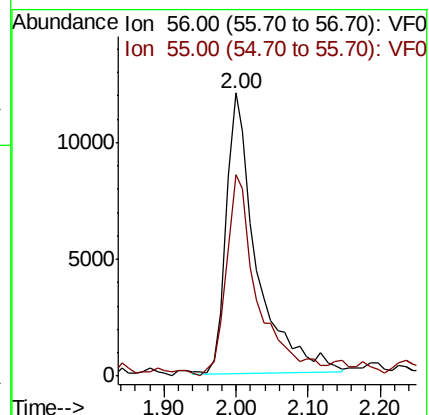
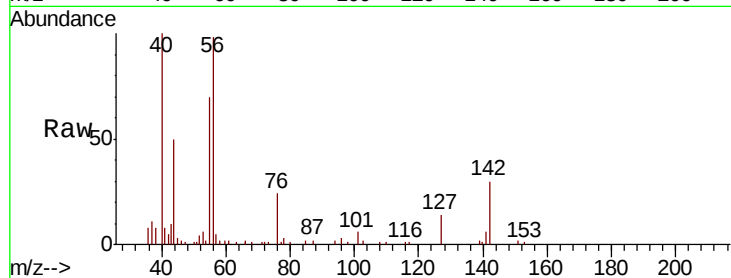
VSTDCCC050

Tgt Ion: 56 Resp: 34727

Ion Ratio Lower Upper

56 100

55 71.2 49.1 73.7



#14

Allyl chloride

Concen: 49.724 ug/l

RT: 2.10 min Scan# 149

Delta R.T. -0.00 min

Lab File: VF062054.D

Acq: 21 Mar 2019 11:48

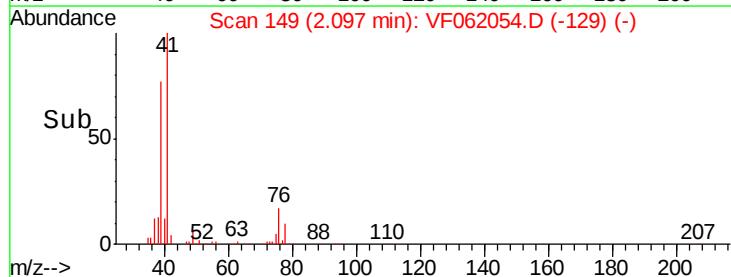
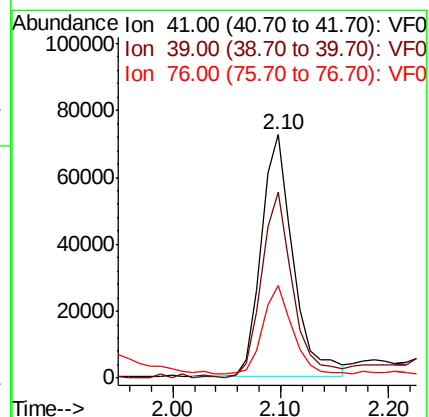
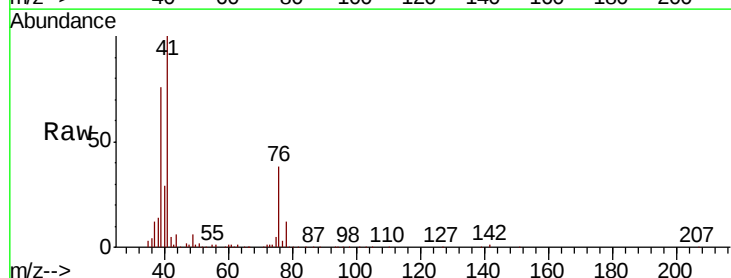
Tgt Ion: 41 Resp: 148585

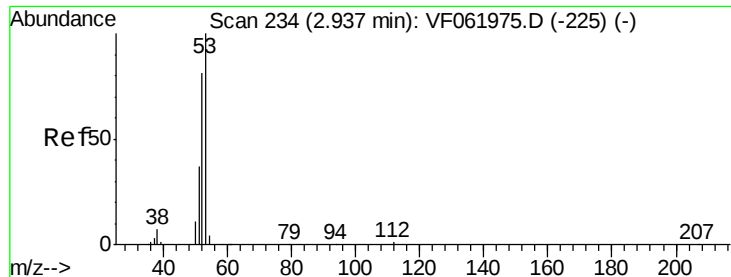
Ion Ratio Lower Upper

41 100

39 76.3 66.8 100.2

76 38.1 31.1 46.7





#15

Acrylonitrile

Concen: 288.158 ug/l

RT: 2.94 min Scan# 234

Delta R.T. -0.00 min

Lab File: VF062054.D

Acq: 21 Mar 2019 11:48

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

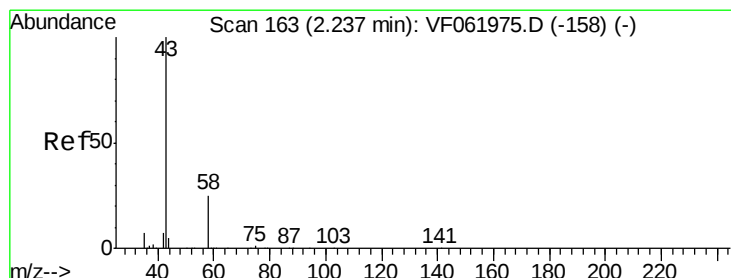
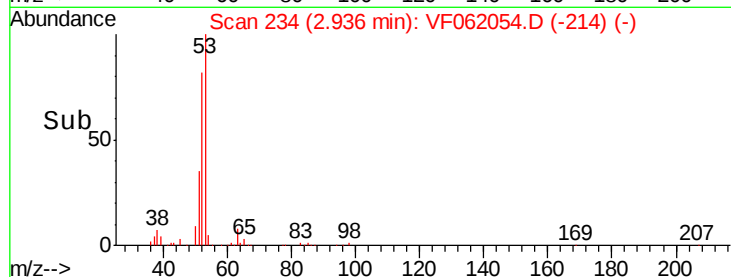
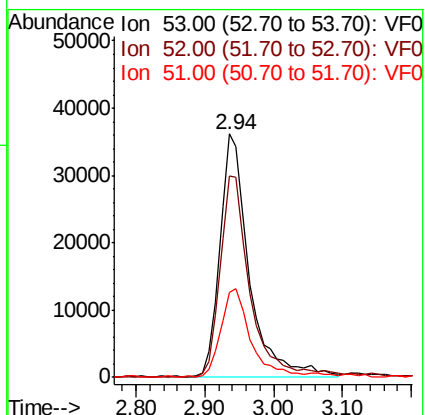
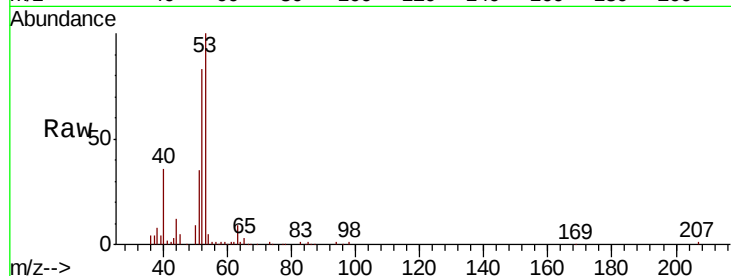
Tgt Ion: 53 Resp: 107055

Ion Ratio Lower Upper

53 100

52 82.6 64.4 96.6

51 34.8 30.3 45.5



#16

Acetone

Concen: 300.558 ug/l

RT: 2.24 min Scan# 163

Delta R.T. -0.00 min

Lab File: VF062054.D

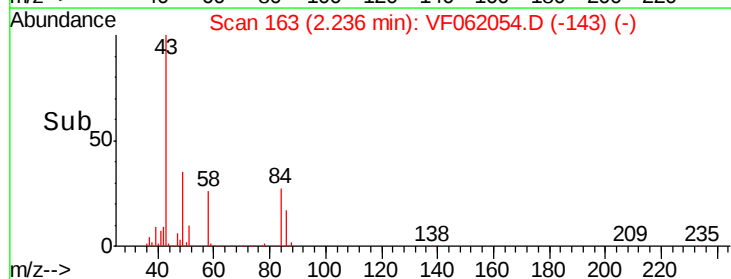
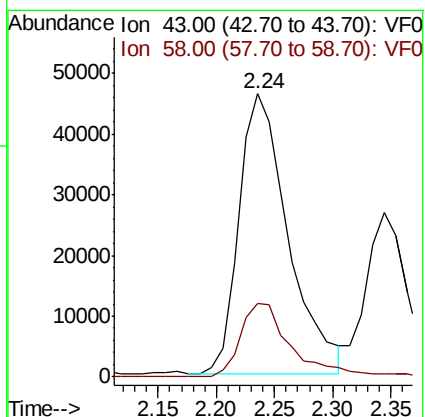
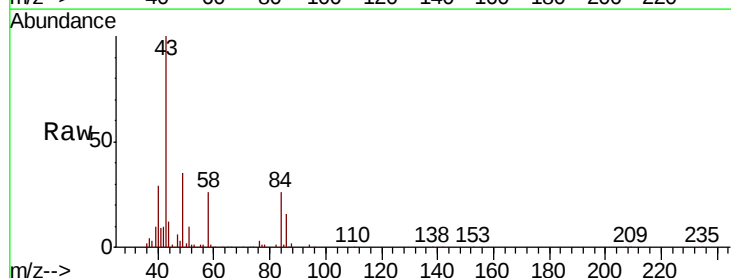
Acq: 21 Mar 2019 11:48

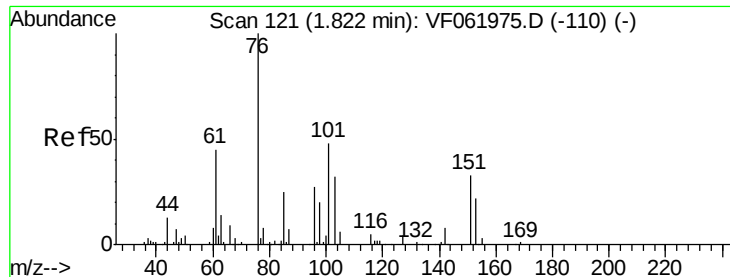
Tgt Ion: 43 Resp: 134750

Ion Ratio Lower Upper

43 100

58 25.8 19.9 29.9

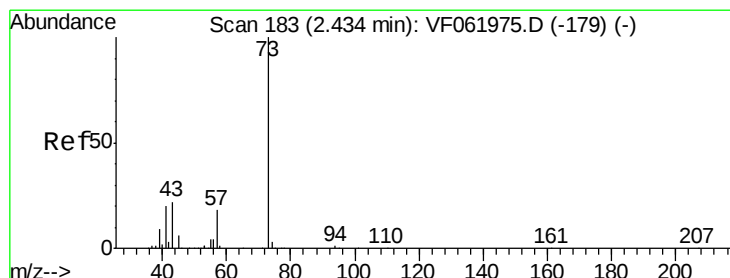
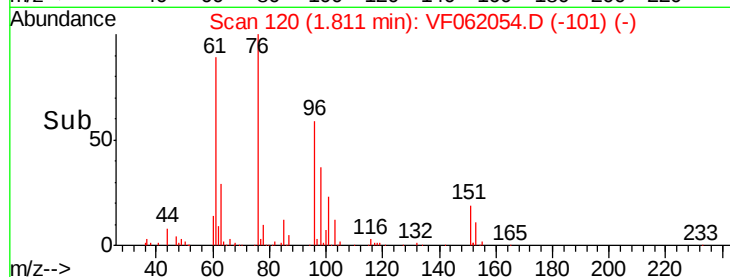
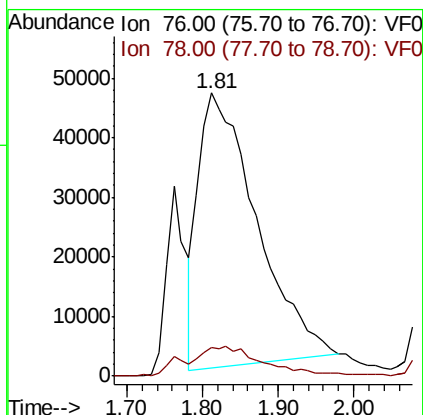
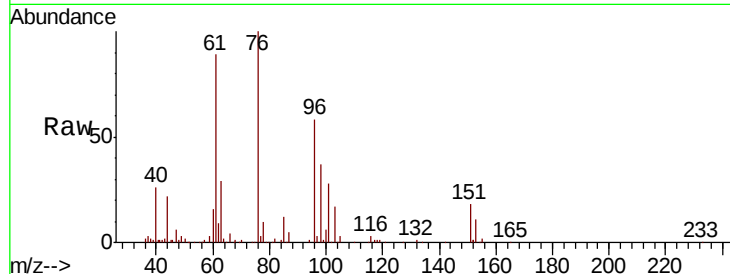




#17
Carbon Disulfide
Concen: 36.266 ug/l
RT: 1.81 min Scan# 120
Delta R.T. -0.01 min
Lab File: VF062054.D
Acq: 21 Mar 2019 11:48

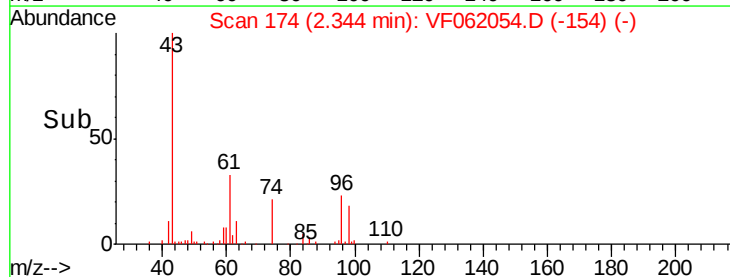
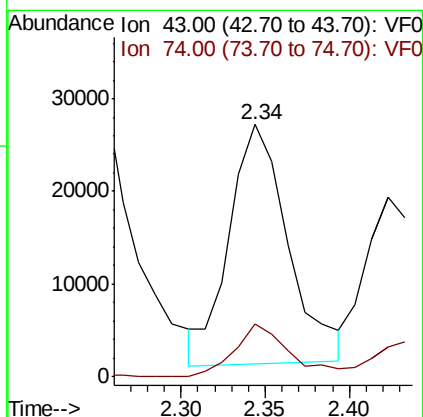
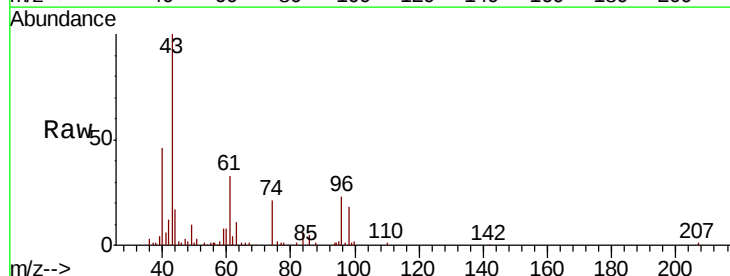
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

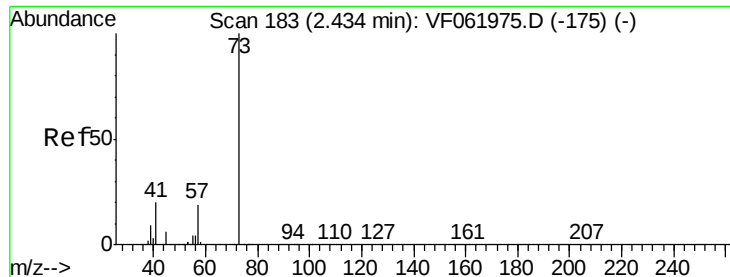
Tgt Ion: 76 Resp: 245408
Ion Ratio Lower Upper
76 100
78 10.0 6.8 10.2



#18
Methyl Acetate
Concen: 62.049 ug/l
RT: 2.34 min Scan# 174
Delta R.T. -0.00 min
Lab File: VF062054.D
Acq: 21 Mar 2019 11:48

Tgt Ion: 43 Resp: 63041
Ion Ratio Lower Upper
43 100
74 20.9 18.3 27.5



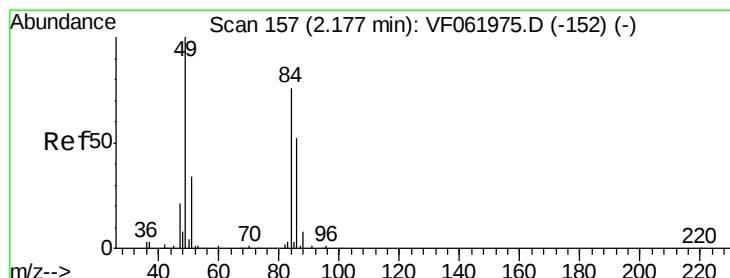
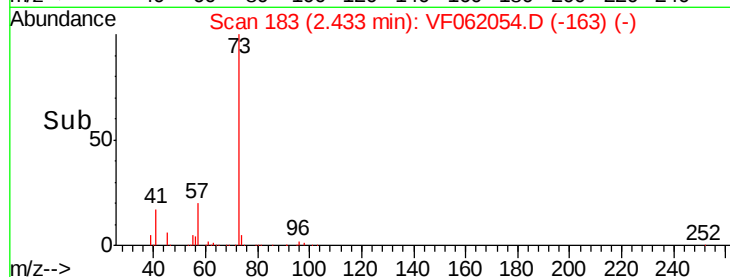
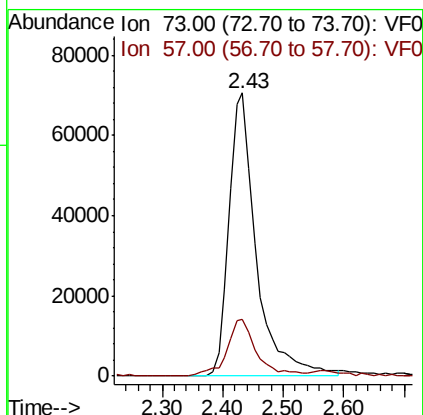
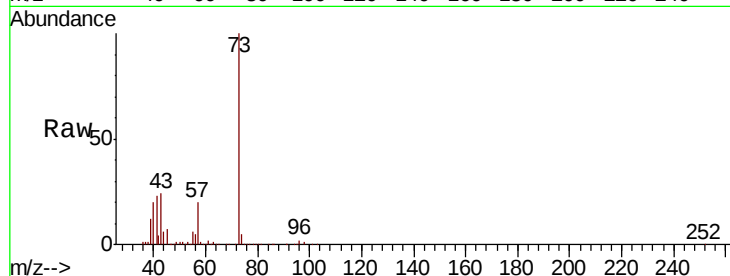


#19

Methyl tert-butyl Ether
 Concen: 52.093 ug/l
 RT: 2.43 min Scan# 183
 Delta R.T. -0.00 min
 Lab File: VF062054.D
 Acq: 21 Mar 2019 11:48

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

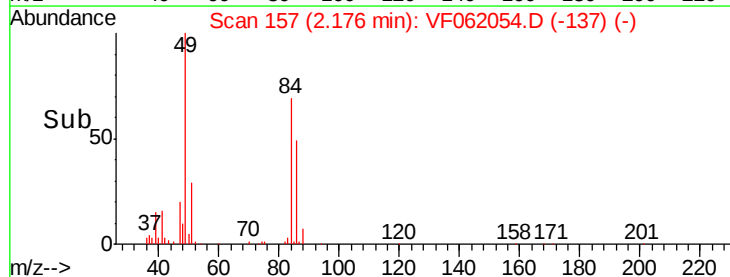
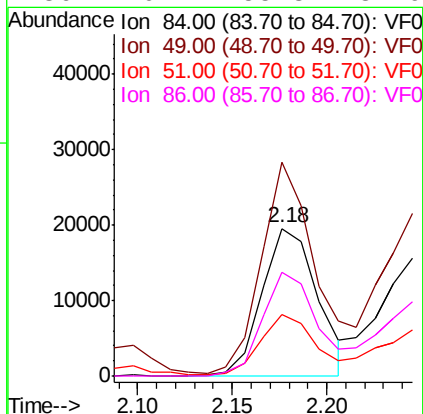
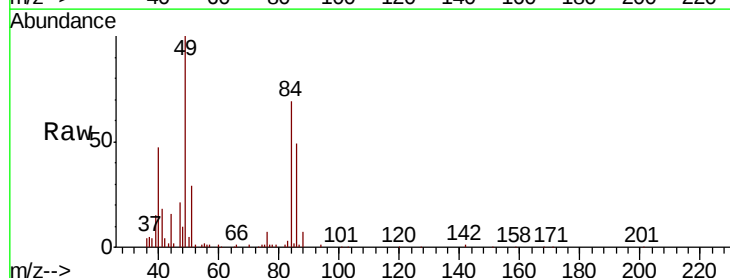
Tgt Ion: 73 Resp: 220966
 Ion Ratio Lower Upper
 73 100
 57 20.1 15.3 22.9

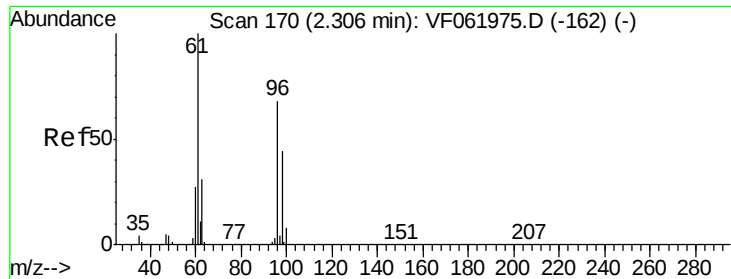


#20

Methylene Chloride
 Concen: 17.092 ug/l
 RT: 2.18 min Scan# 157
 Delta R.T. -0.00 min
 Lab File: VF062054.D
 Acq: 21 Mar 2019 11:48

Tgt Ion: 84 Resp: 39981
 Ion Ratio Lower Upper
 84 100
 49 144.6 107.0 160.6
 51 41.8 37.2 55.8
 86 70.2 55.3 82.9





#21

trans-1,2-Dichloroethene

Concen: 49.510 ug/l

RT: 2.30 min Scan# 170

Delta R.T. -0.00 min

Lab File: VF062054.D

Acq: 21 Mar 2019 11:48

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

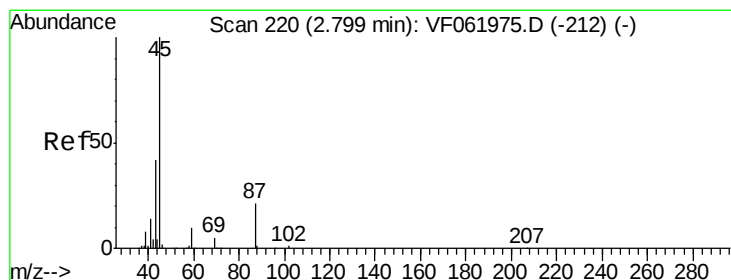
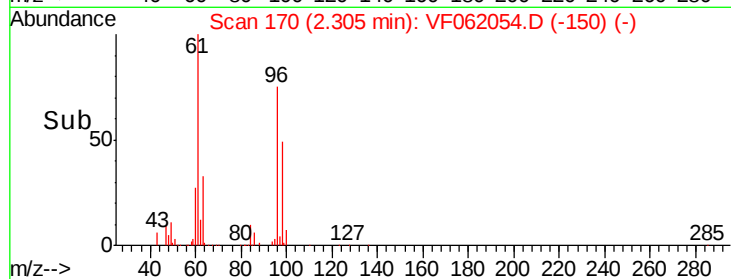
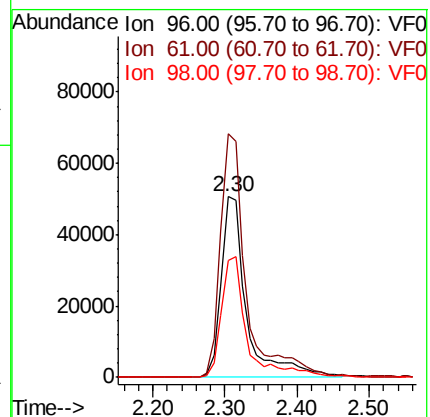
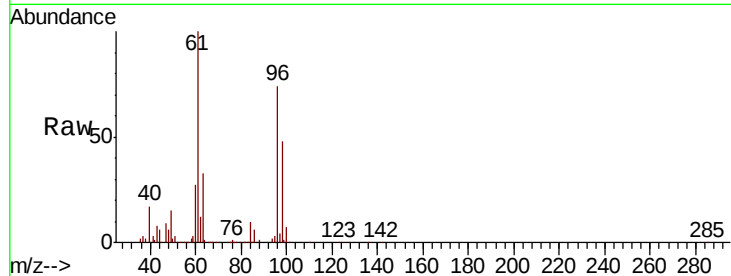
Tgt Ion: 96 Resp: 120949

Ion Ratio Lower Upper

96 100

61 134.6 117.4 176.2

98 64.8 51.2 76.8



#22

Diisopropyl ether

Concen: 53.222 ug/l

RT: 2.80 min Scan# 220

Delta R.T. -0.00 min

Lab File: VF062054.D

Acq: 21 Mar 2019 11:48

Tgt Ion: 45 Resp: 382534

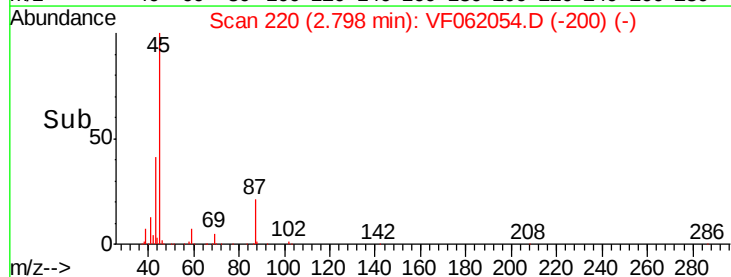
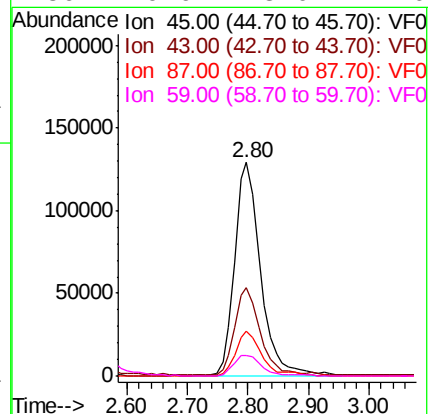
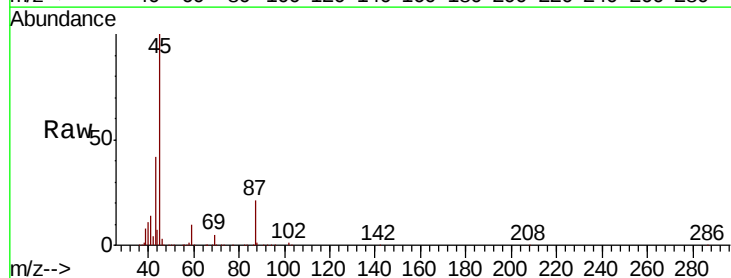
Ion Ratio Lower Upper

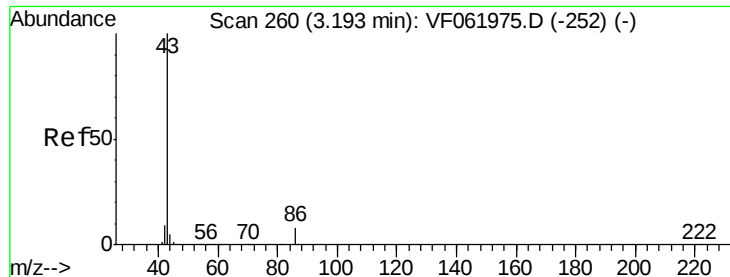
45 100

43 41.6 33.7 50.5

87 20.9 17.1 25.7

59 9.9 8.0 12.0

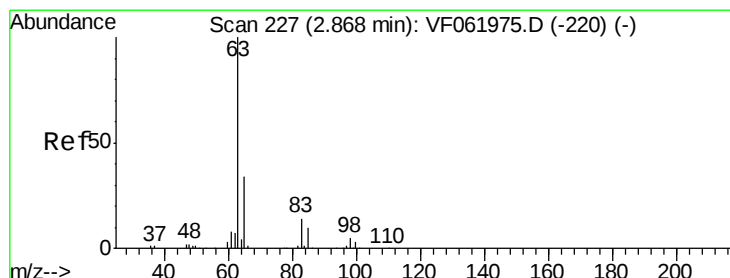
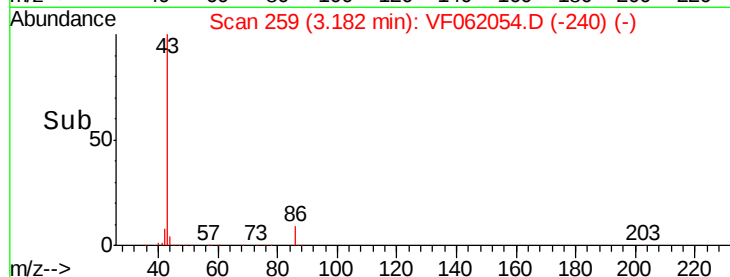
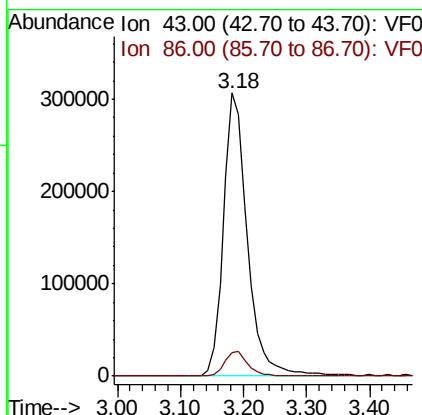
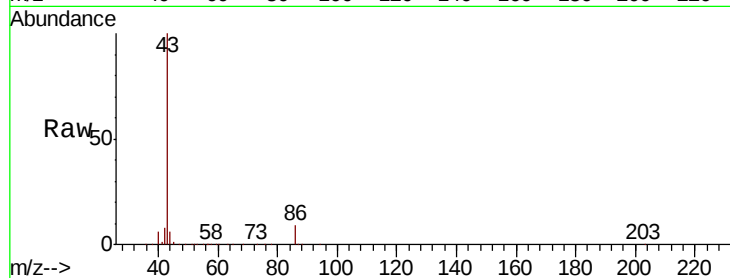




#23
 Vinyl Acetate
 Concen: 283.224 ug/l
 RT: 3.18 min Scan# 259
 Delta R.T. -0.01 min
 Lab File: VF062054.D
 Acq: 21 Mar 2019 11:48

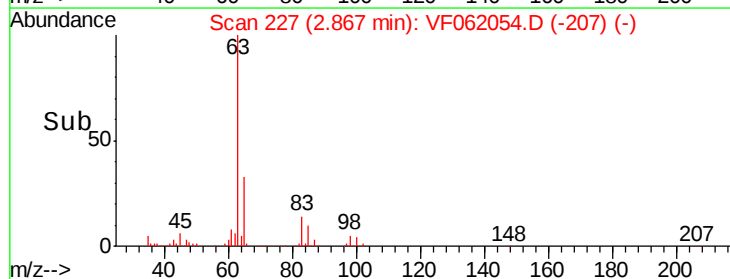
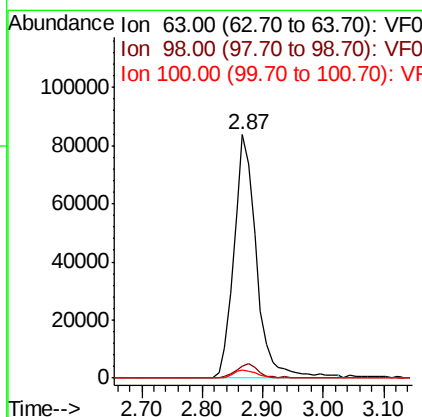
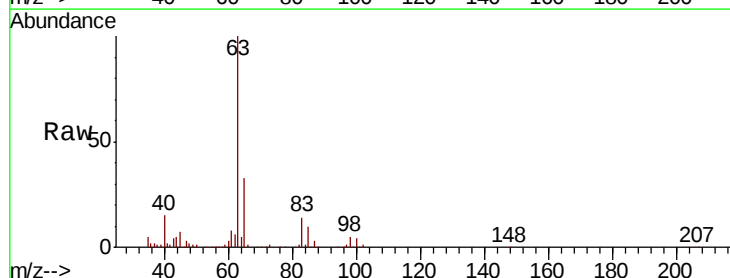
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

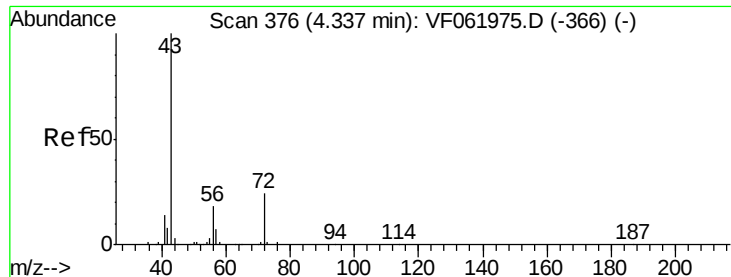
Tgt Ion: 43 Resp: 802492
 Ion Ratio Lower Upper
 43 100
 86 8.5 6.5 9.7



#24
 1,1-Dichloroethane
 Concen: 51.814 ug/l
 RT: 2.87 min Scan# 227
 Delta R.T. -0.00 min
 Lab File: VF062054.D
 Acq: 21 Mar 2019 11:48

Tgt Ion: 63 Resp: 216546
 Ion Ratio Lower Upper
 63 100
 98 5.2 2.7 8.1
 100 3.6 1.7 5.0





#25

2-Butanone

Concen: 276.776 ug/l

RT: 4.33 min Scan# 375

Delta R.T. -0.01 min

Lab File: VF062054.D

Acq: 21 Mar 2019 11:48

Instrument :

MSVOA_F

ClientSampleId :

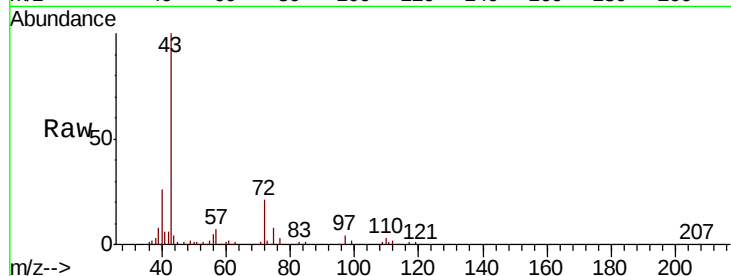
VSTDCCC050

Tgt Ion: 43 Resp: 245752

Ion Ratio Lower Upper

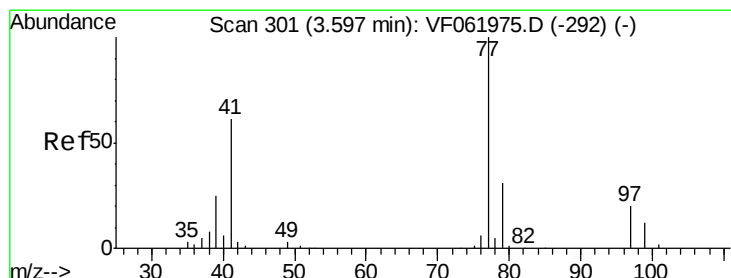
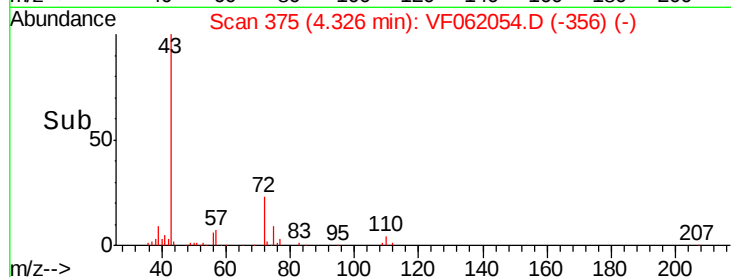
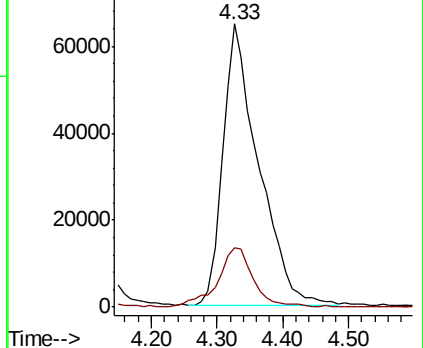
43 100

72 21.1 19.8 29.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#26

2,2-Dichloropropane

Concen: 47.851 ug/l

RT: 3.60 min Scan# 301

Delta R.T. -0.00 min

Lab File: VF062054.D

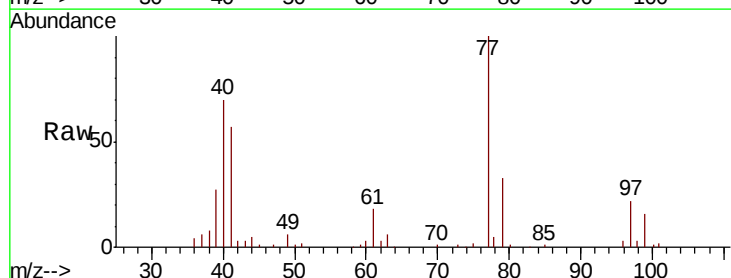
Acq: 21 Mar 2019 11:48

Tgt Ion: 77 Resp: 94329

Ion Ratio Lower Upper

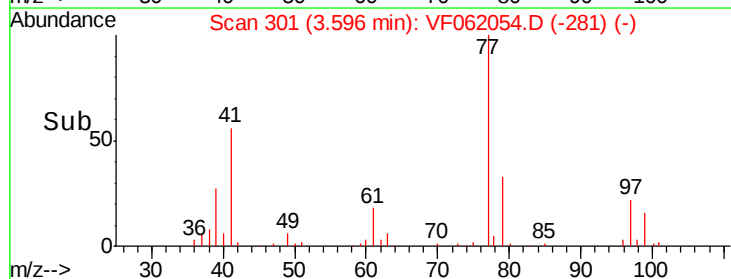
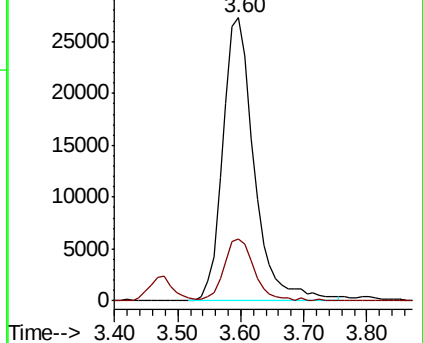
77 100

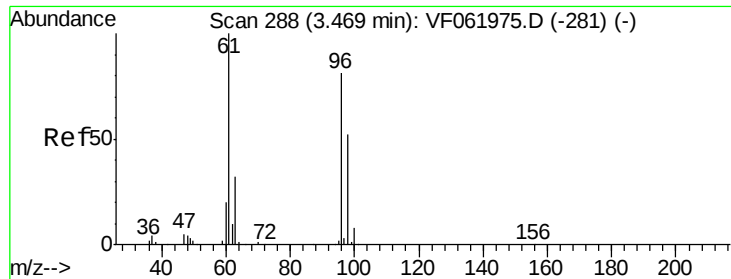
97 22.0 10.8 32.4



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0



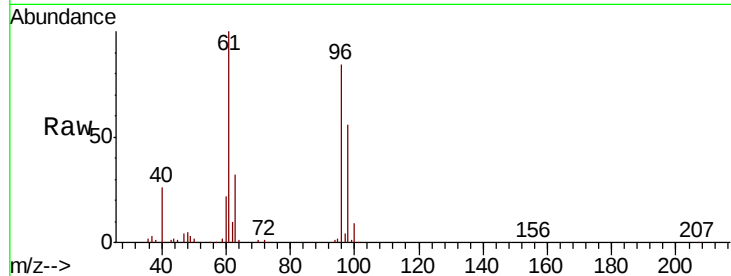


#27

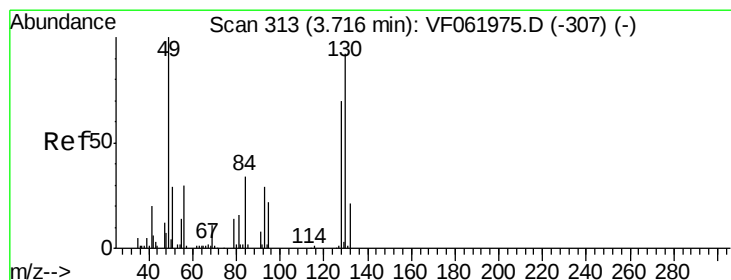
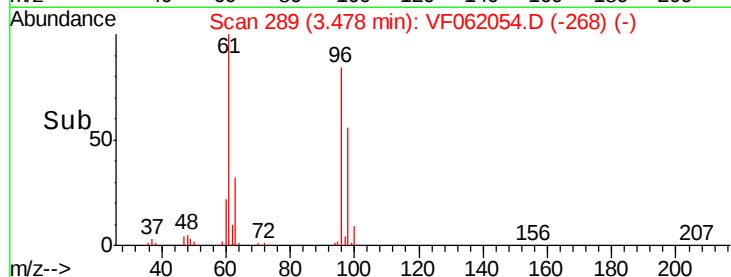
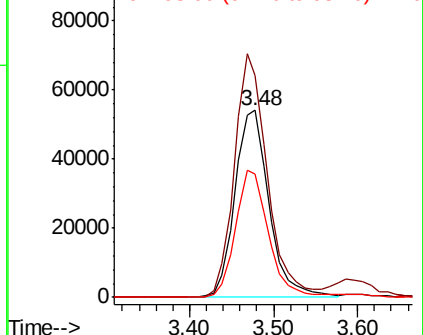
cis-1,2-Dichloroethene
 Concen: 49.736 ug/l
 RT: 3.48 min Scan# 289
 Delta R.T. 0.01 min
 Lab File: VF062054.D
 Acq: 21 Mar 2019 11:48

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 96 Resp: 153139
 Ion Ratio Lower Upper
 96 100
 61 118.8 0.0 246.6
 98 66.3 0.0 129.2



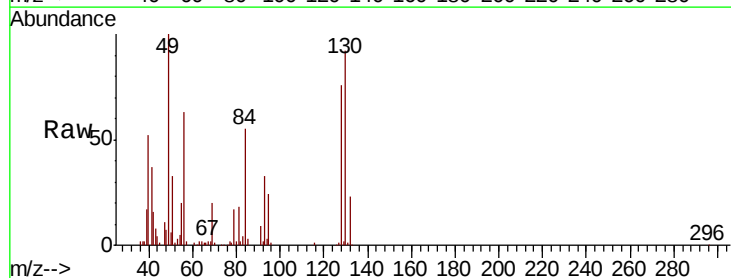
Abundance Ion 96.00 (95.70 to 96.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 98.00 (97.70 to 98.70): VF0



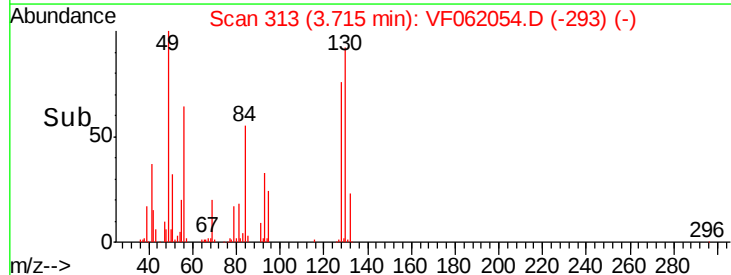
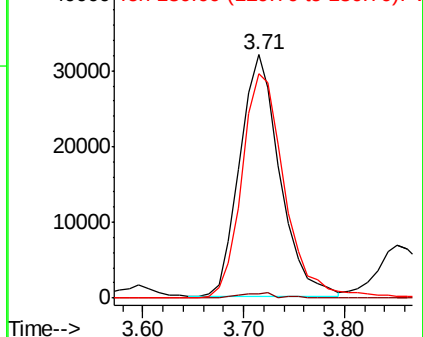
#28

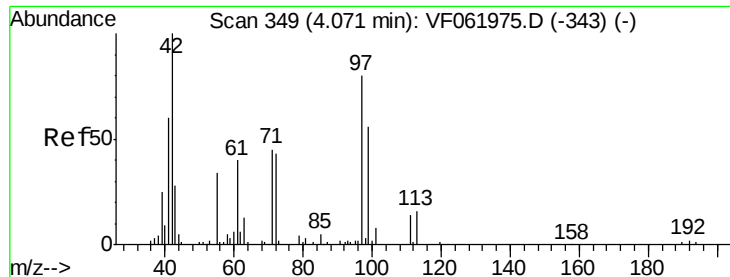
Bromochloromethane
 Concen: 51.279 ug/l
 RT: 3.71 min Scan# 313
 Delta R.T. -0.00 min
 Lab File: VF062054.D
 Acq: 21 Mar 2019 11:48

Tgt Ion: 49 Resp: 88925
 Ion Ratio Lower Upper
 49 100
 129 1.9 0.0 5.8
 130 92.1 73.1 109.7



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

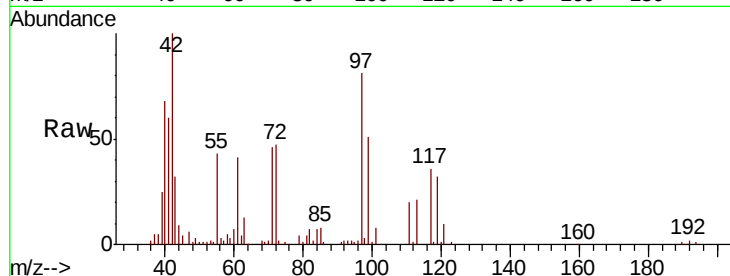




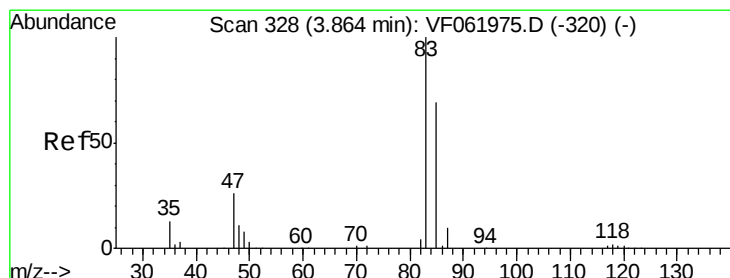
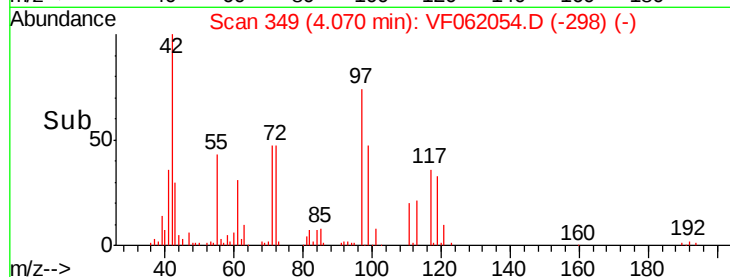
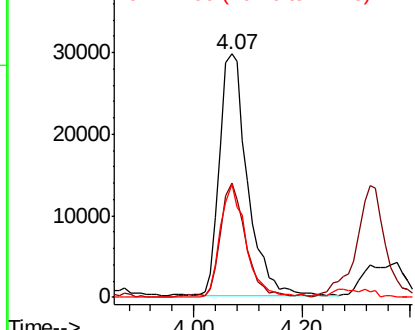
#29
Tetrahydrofuran
Concen: 276.929 ug/l
RT: 4.07 min Scan# 349
Delta R.T. -0.00 min
Lab File: VF062054.D
Acq: 21 Mar 2019 11:48

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
42	100		
72	41.5	34.0	51.0
71	42.7	34.2	51.4

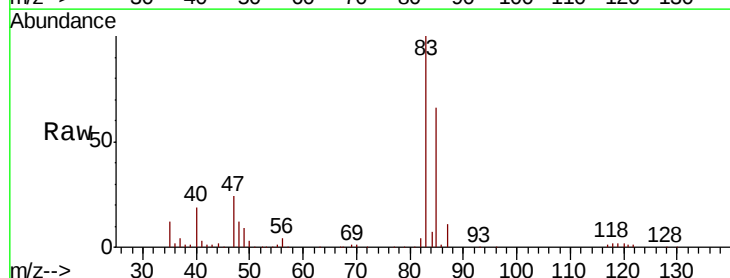


Abundance Ion 42.00 (41.70 to 42.70): VF0
Ion 72.00 (71.70 to 72.70): VF0
Ion 71.00 (70.70 to 71.70): VF0

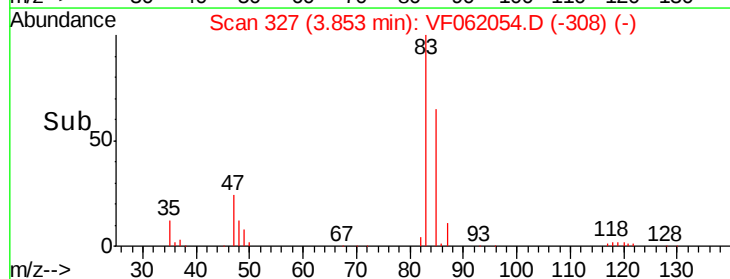
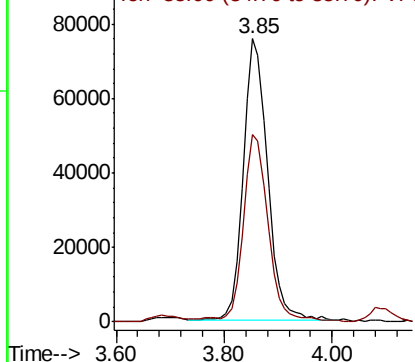


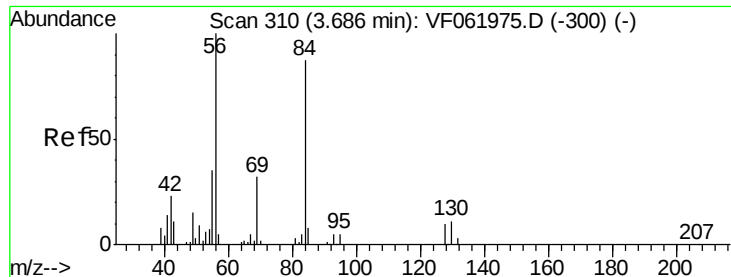
#30
Chloroform
Concen: 49.627 ug/l
RT: 3.85 min Scan# 327
Delta R.T. -0.01 min
Lab File: VF062054.D
Acq: 21 Mar 2019 11:48

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.0	55.5	83.3



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

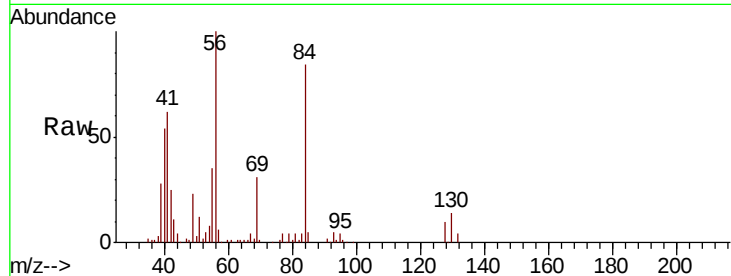




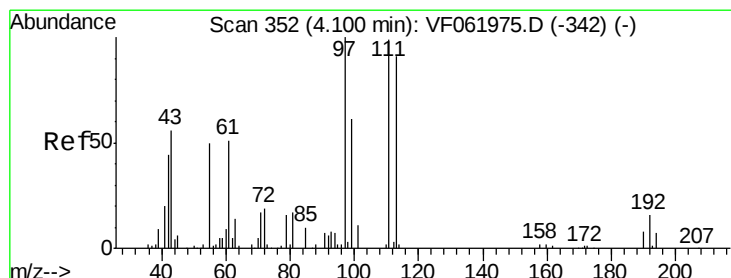
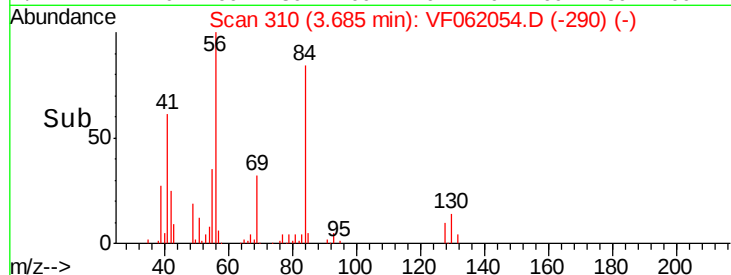
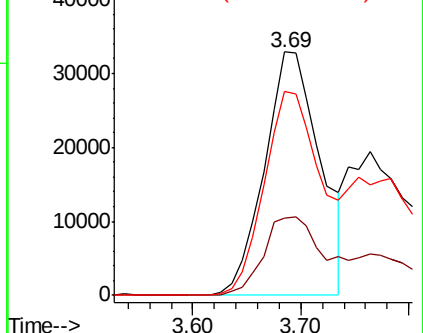
#31
Cyclohexane
Concen: 28.655 ug/l
RT: 3.69 min Scan# 310
Delta R.T. -0.00 min
Lab File: VF062054.D
Acq: 21 Mar 2019 11:48

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 118307
Ion Ratio Lower Upper
56 100
69 31.5 25.8 38.8
84 83.9 69.5 104.3

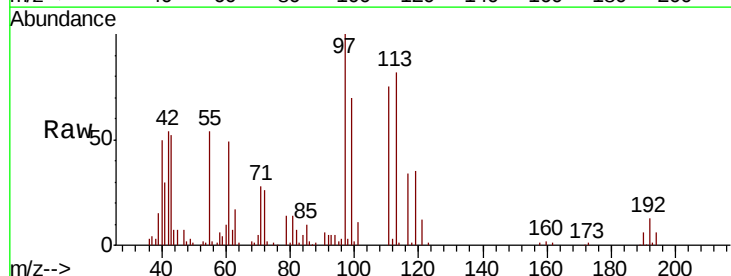


Abundance Ion 56.00 (55.70 to 56.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 84.00 (83.70 to 84.70): VF0

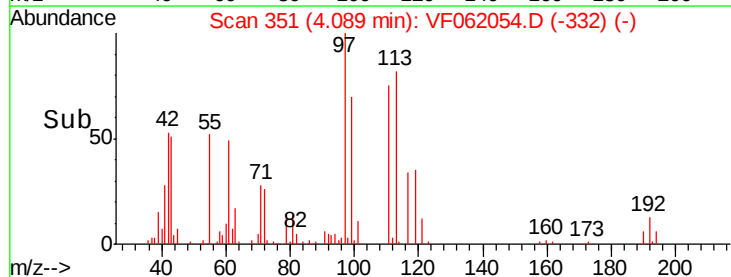
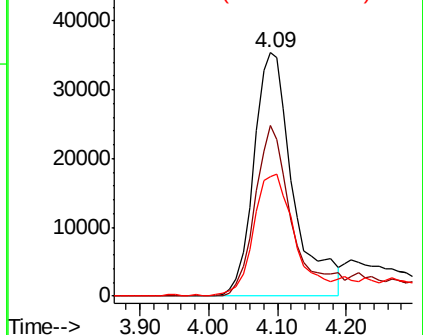


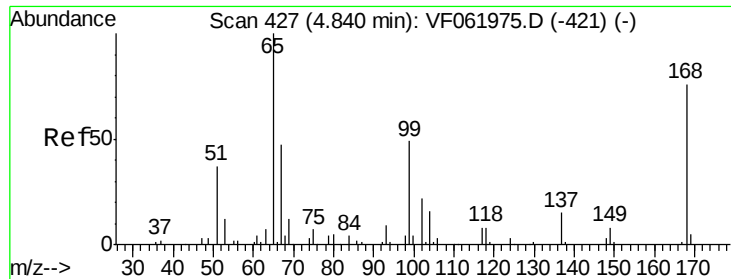
#32
1,1,1-Trichloroethane
Concen: 44.781 ug/l
RT: 4.09 min Scan# 351
Delta R.T. -0.01 min
Lab File: VF062054.D
Acq: 21 Mar 2019 11:48

Tgt Ion: 97 Resp: 140825
Ion Ratio Lower Upper
97 100
99 70.3 49.0 73.4
61 49.1 41.4 62.0



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

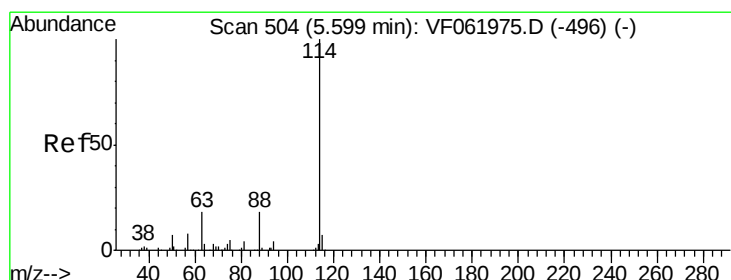
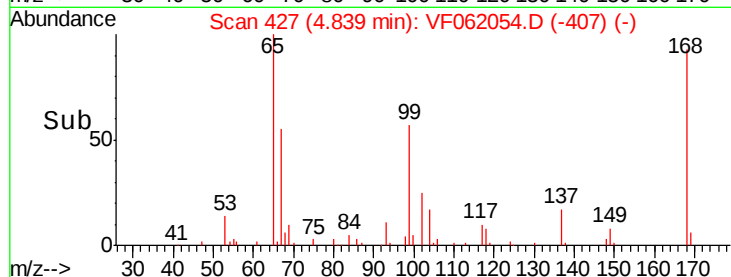
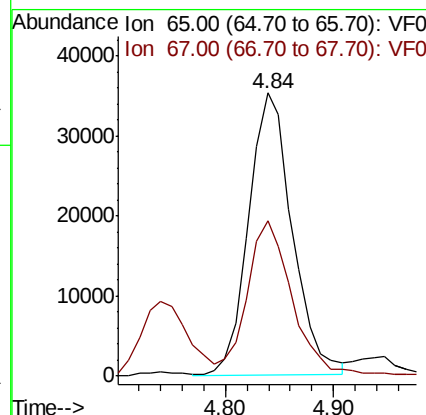
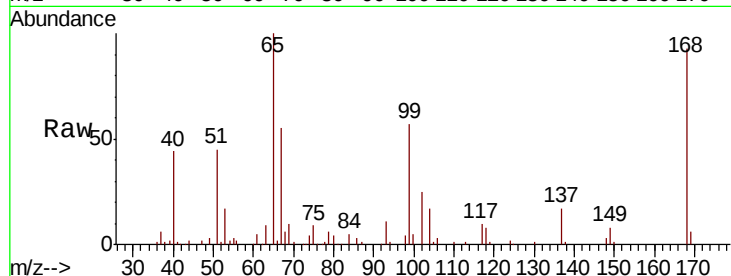




#33
 1,2-Dichloroethane-d4
 Concen: 49.983 ug/l
 RT: 4.84 min Scan# 427
 Delta R.T. -0.00 min
 Lab File: VF062054.D
 Acq: 21 Mar 2019 11:48

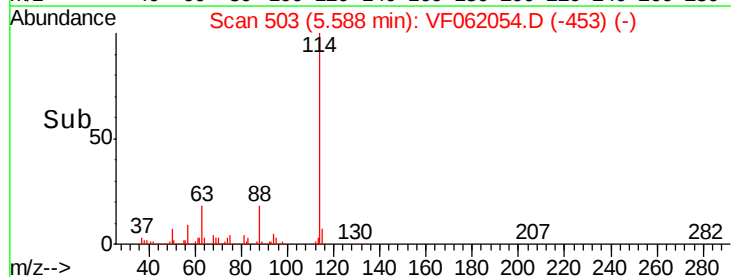
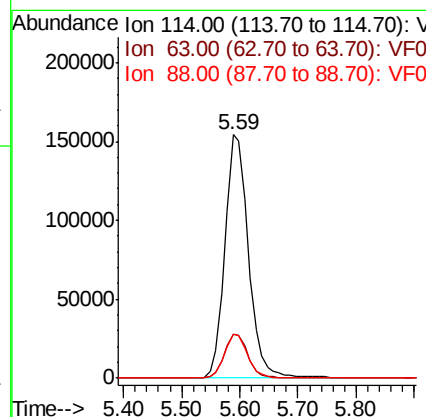
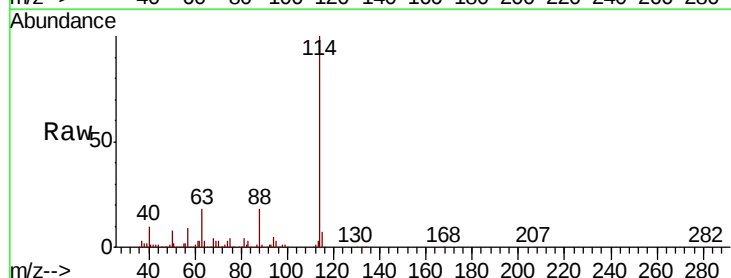
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

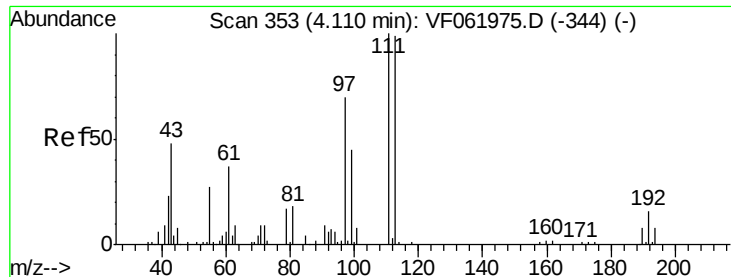
Tgt Ion: 65 Resp: 99794
 Ion Ratio Lower Upper
 65 100
 67 55.1 0.0 109.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.59 min Scan# 503
 Delta R.T. -0.01 min
 Lab File: VF062054.D
 Acq: 21 Mar 2019 11:48

Tgt Ion: 114 Resp: 433111
 Ion Ratio Lower Upper
 114 100
 63 18.0 0.0 36.4
 88 18.1 0.0 36.4

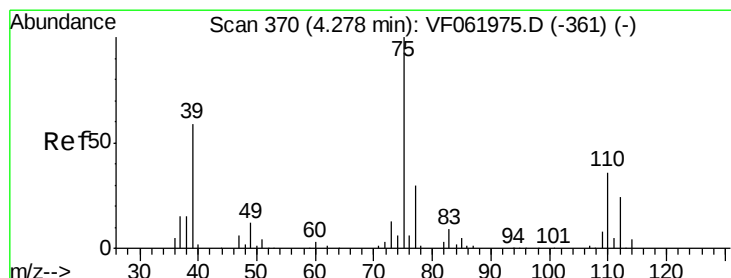
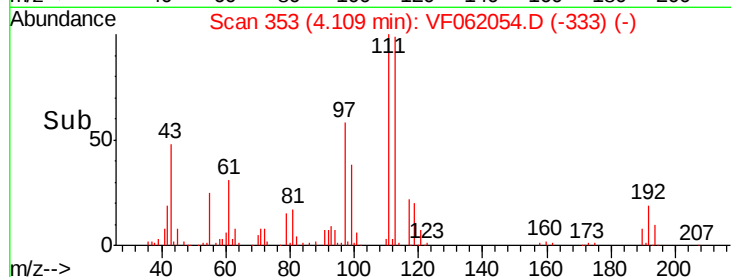
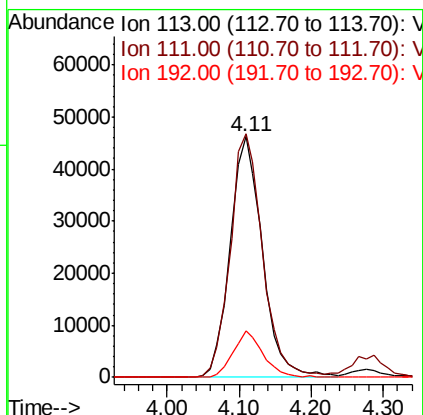
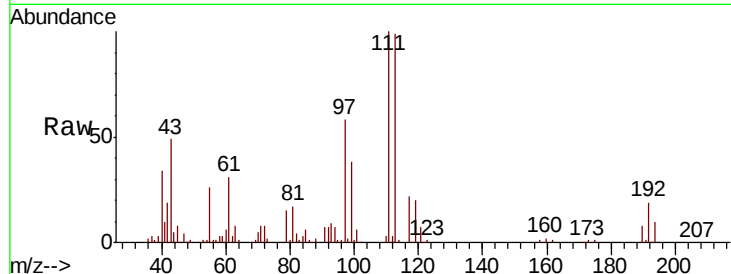




#35
 Dibromofluoromethane
 Concen: 49.876 ug/l
 RT: 4.11 min Scan# 353
 Delta R.T. -0.00 min
 Lab File: VF062054.D
 Acq: 21 Mar 2019 11:48

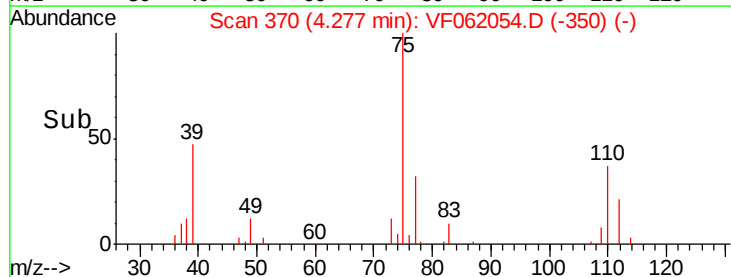
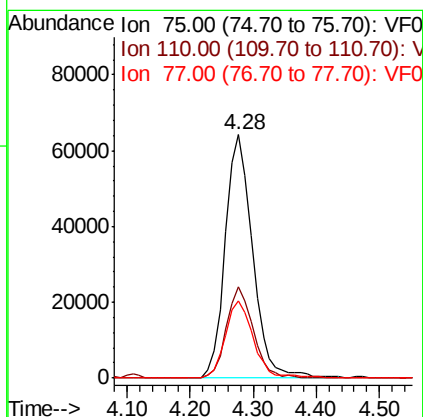
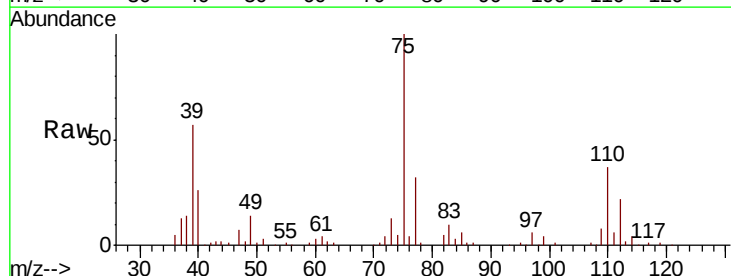
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

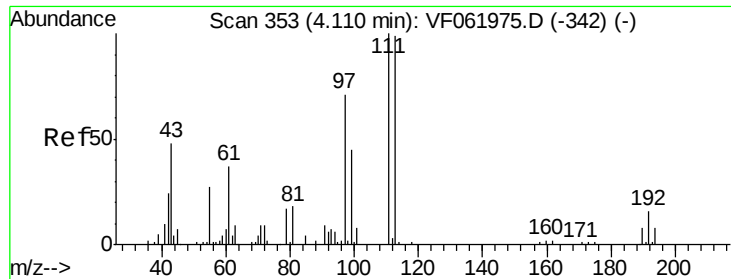
Tgt Ion: 113 Resp: 145061
 Ion Ratio Lower Upper
 113 100
 111 101.1 80.8 121.2
 192 19.1 13.0 19.6



#36
 1,1-Dichloropropene
 Concen: 49.609 ug/l
 RT: 4.28 min Scan# 370
 Delta R.T. -0.00 min
 Lab File: VF062054.D
 Acq: 21 Mar 2019 11:48

Tgt Ion: 75 Resp: 194030
 Ion Ratio Lower Upper
 75 100
 110 37.3 17.8 53.3
 77 32.0 24.2 36.2

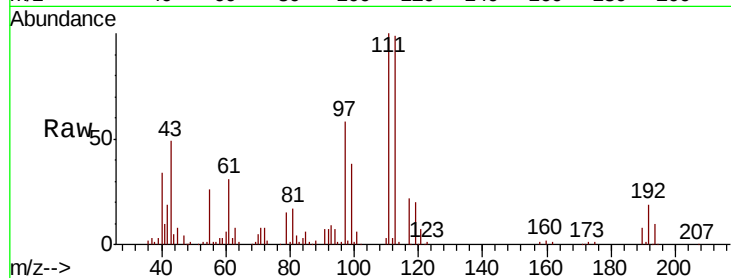




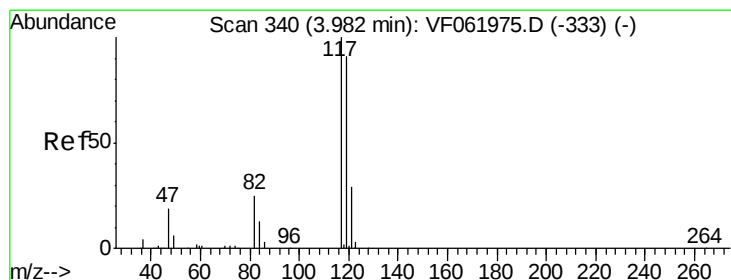
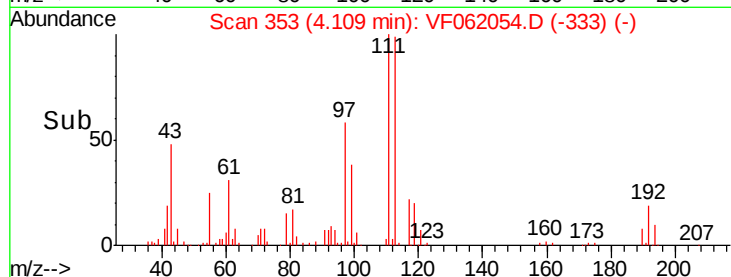
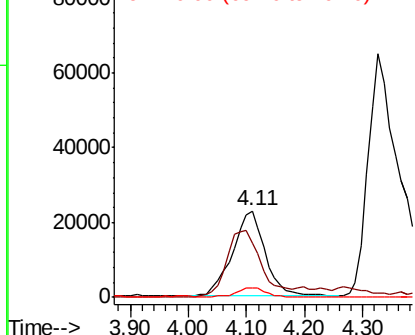
#37
Ethyl Acetate
Concen: 50.934 ug/l
RT: 4.11 min Scan# 353
Delta R.T. -0.00 min
Lab File: VF062054.D
Acq: 21 Mar 2019 11:48

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 89448
Ion Ratio Lower Upper
43 100
61 62.8 59.8 89.6
70 10.9 7.8 11.8

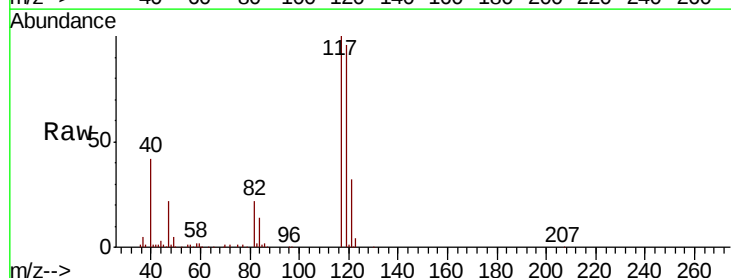


Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 70.00 (69.70 to 70.70): VF0

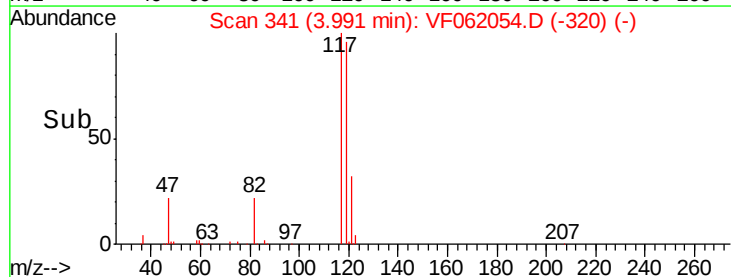
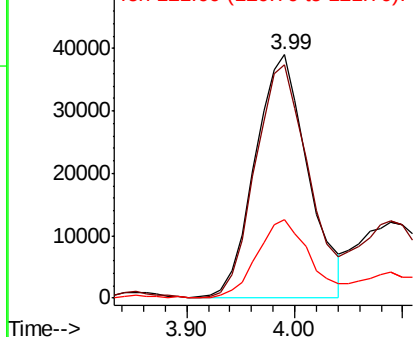


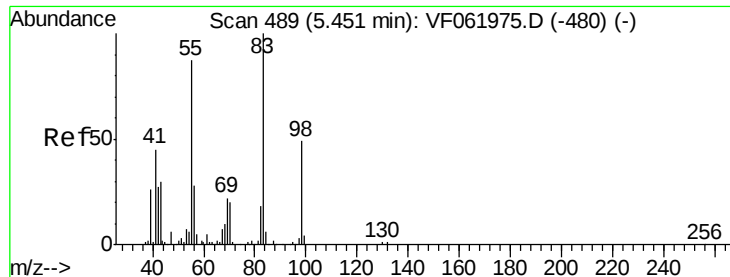
#38
Carbon Tetrachloride
Concen: 46.252 ug/l
RT: 3.99 min Scan# 341
Delta R.T. 0.01 min
Lab File: VF062054.D
Acq: 21 Mar 2019 11:48

Tgt Ion: 117 Resp: 132209
Ion Ratio Lower Upper
117 100
119 96.0 73.0 109.4
121 32.3 23.0 34.6



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

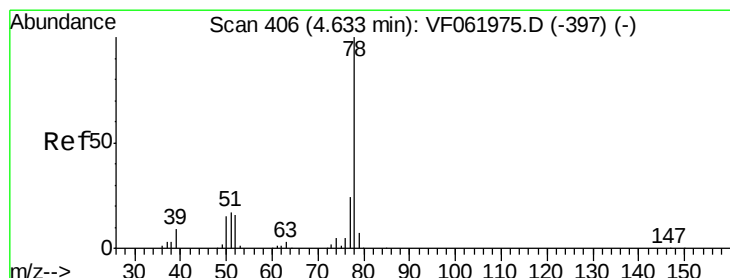
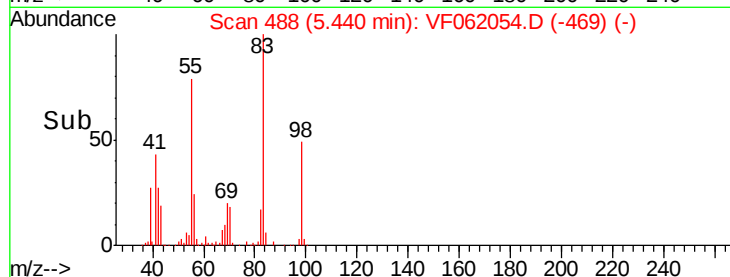
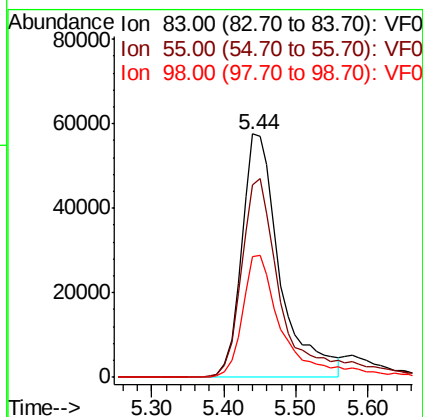
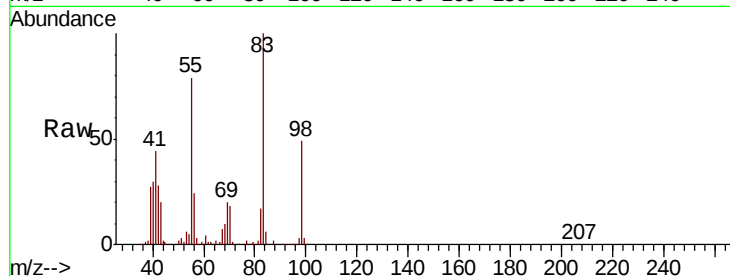




#39
Methylcyclohexane
Concen: 46.401 ug/l
RT: 5.44 min Scan# 488
Delta R.T. -0.01 min
Lab File: VF062054.D
Acq: 21 Mar 2019 11:48

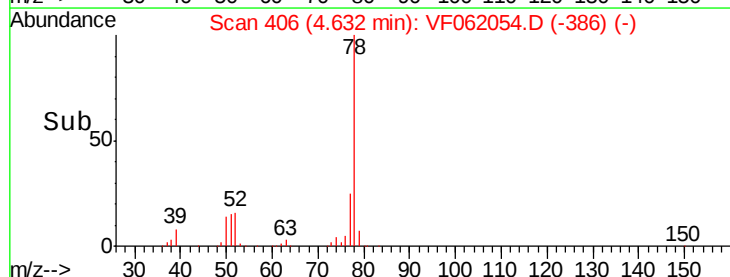
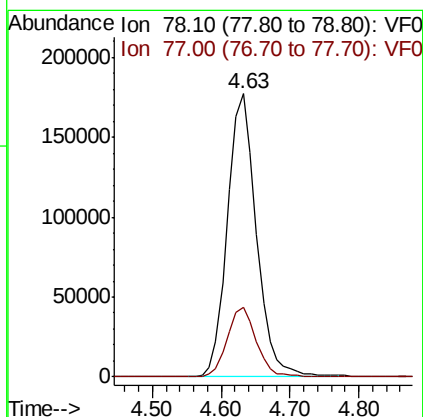
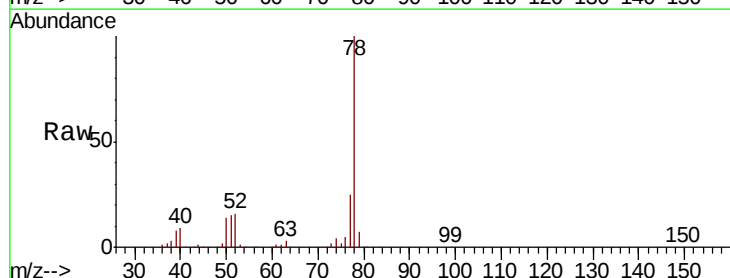
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

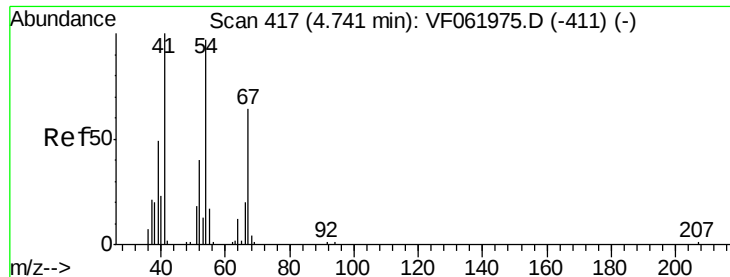
Tgt Ion: 83 Resp: 213056
Ion Ratio Lower Upper
83 100
55 79.0 69.7 104.5
98 49.5 39.4 59.0



#40
Benzene
Concen: 50.117 ug/l
RT: 4.63 min Scan# 406
Delta R.T. -0.00 min
Lab File: VF062054.D
Acq: 21 Mar 2019 11:48

Tgt Ion: 78 Resp: 519406
Ion Ratio Lower Upper
78 100
77 24.6 19.0 28.4

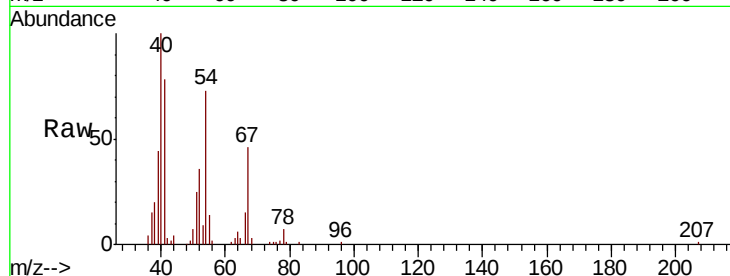




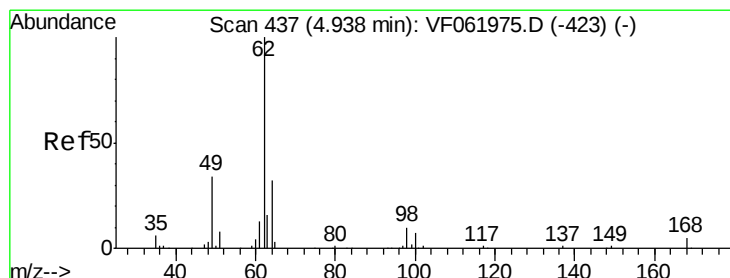
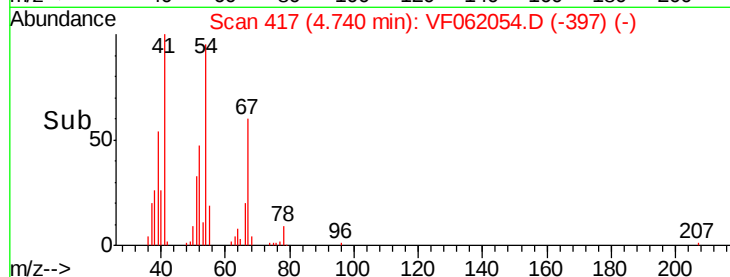
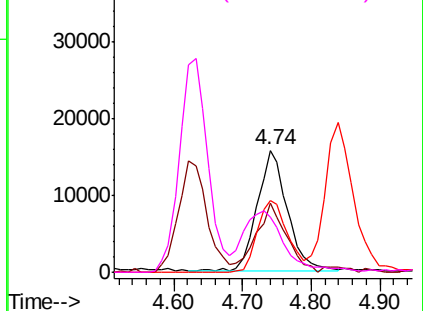
#41
Methacrylonitrile
Concen: 51.582 ug/l
RT: 4.74 min Scan# 417
Delta R.T. -0.00 min
Lab File: VF062054.D
Acq: 21 Mar 2019 11:48

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tgt Ion:	41	Resp:	48398
Ion	Ratio	Lower	Upper
41	100		
39	56.3	46.2	69.4
67	58.6	49.8	74.8
52	45.6	42.7	64.1

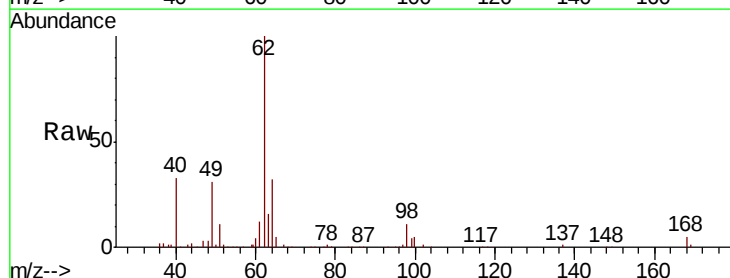


Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 39.00 (38.70 to 39.70): VF0
Ion 67.00 (66.70 to 67.70): VF0
Ion 52.00 (51.70 to 52.70): VF0

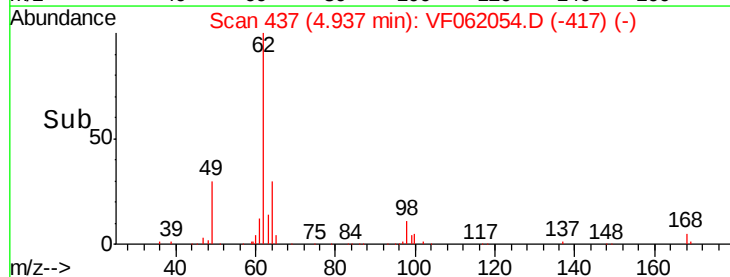
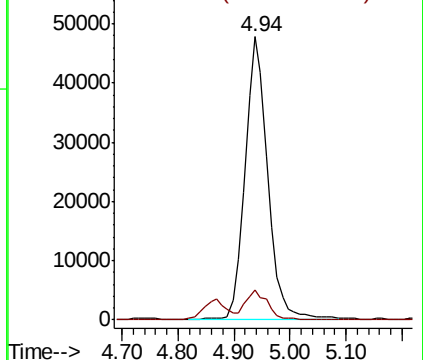


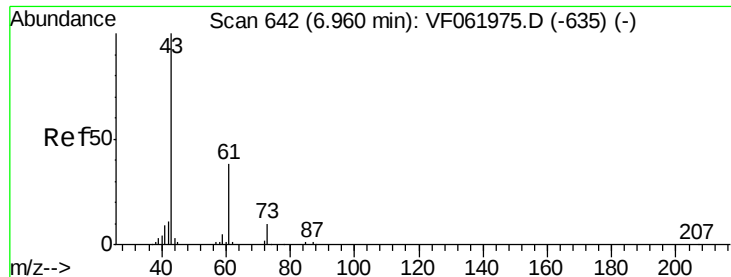
#42
1,2-Dichloroethane
Concen: 52.033 ug/l
RT: 4.94 min Scan# 437
Delta R.T. -0.00 min
Lab File: VF062054.D
Acq: 21 Mar 2019 11:48

Tgt Ion:	62	Resp:	134242
Ion	Ratio	Lower	Upper
62	100		
98	10.6	0.0	19.8



Abundance Ion 62.00 (61.70 to 62.70): VF0
Ion 98.00 (97.70 to 98.70): VF0





#43

Isopropyl Acetate

Concen: 50.576 ug/l

RT: 6.96 min Scan# 642

Delta R.T. -0.00 min

Lab File: VF062054.D

Acq: 21 Mar 2019 11:48

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

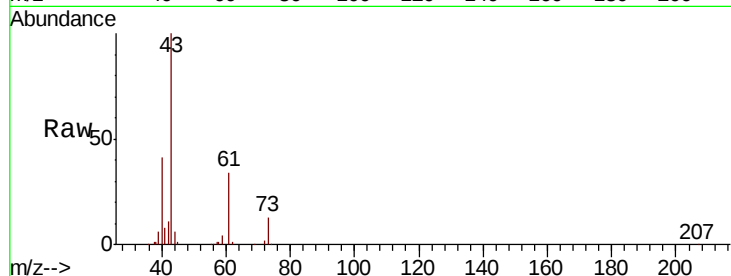
Tgt Ion: 43 Resp: 105089

Ion Ratio Lower Upper

43 100

61 34.1 30.1 45.1

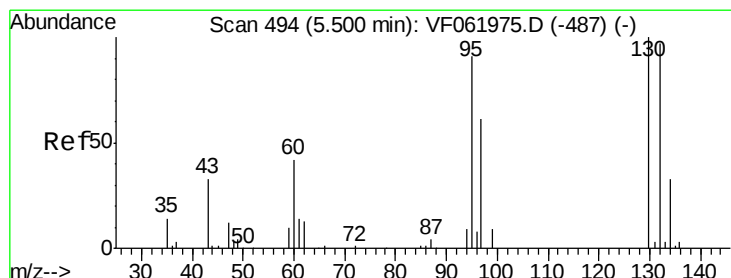
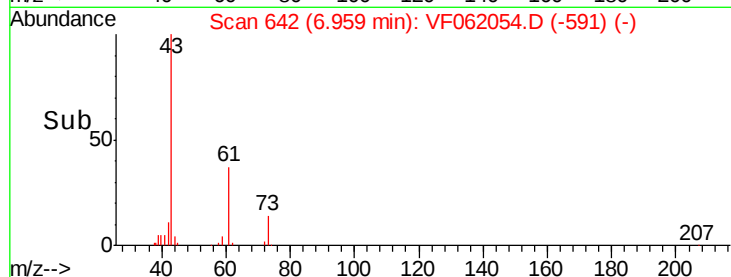
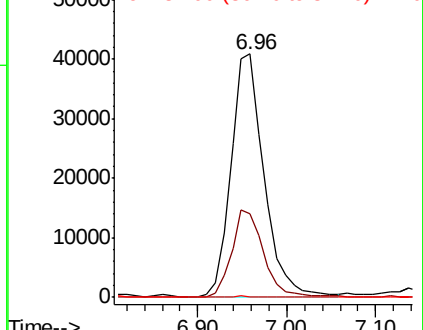
87 0.0 0.4 0.6#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0



#44

Trichloroethene

Concen: 48.223 ug/l

RT: 5.50 min Scan# 494

Delta R.T. -0.00 min

Lab File: VF062054.D

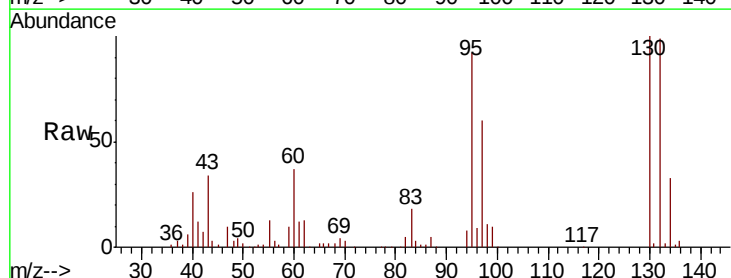
Acq: 21 Mar 2019 11:48

Tgt Ion: 130 Resp: 153098

Ion Ratio Lower Upper

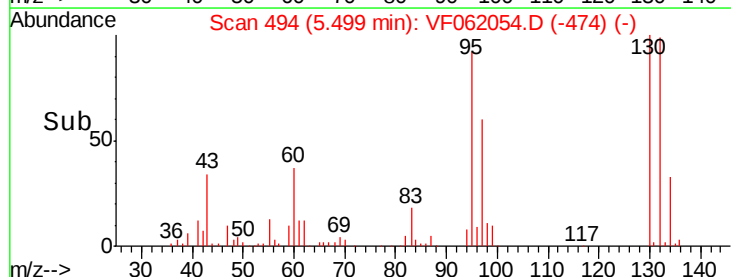
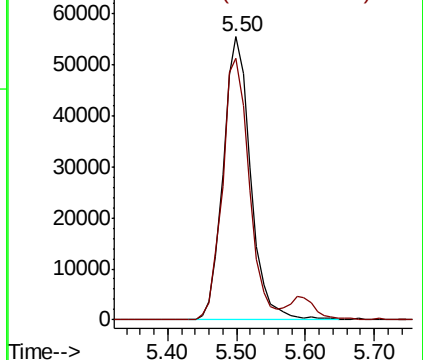
130 100

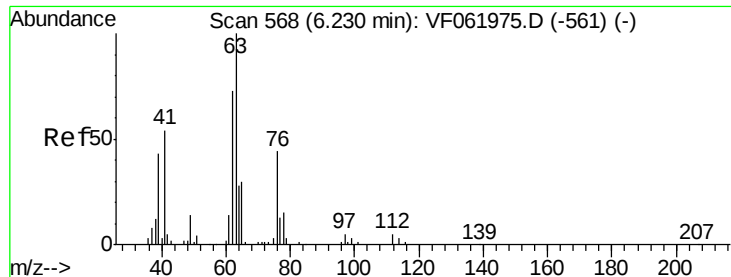
95 92.2 0.0 181.4



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 48.722 ug/l

RT: 6.23 min Scan# 568

Delta R.T. -0.00 min

Lab File: VF062054.D

Acq: 21 Mar 2019 11:48

Instrument :

MSVOA_F

ClientSampleId :

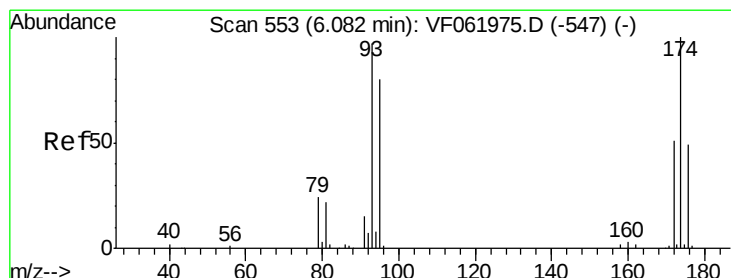
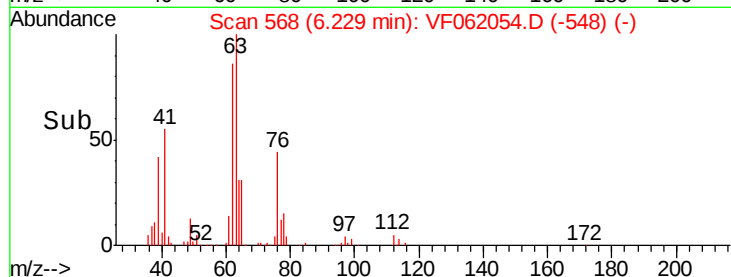
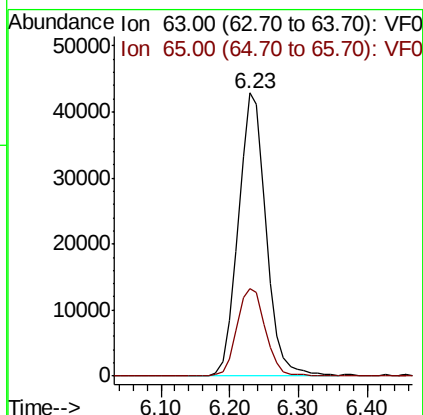
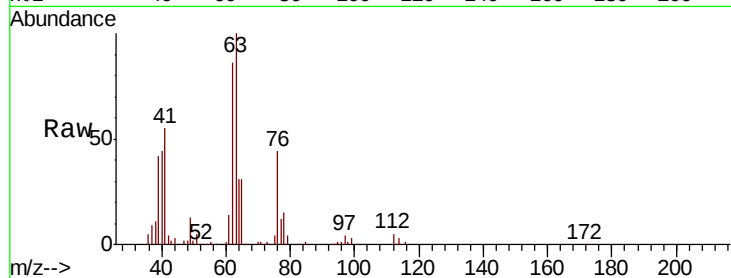
VSTDCCC050

Tgt Ion: 63 Resp: 119498

Ion Ratio Lower Upper

63 100

65 31.0 23.7 35.5



#46

Dibromomethane

Concen: 54.049 ug/l

RT: 6.08 min Scan# 553

Delta R.T. -0.00 min

Lab File: VF062054.D

Acq: 21 Mar 2019 11:48

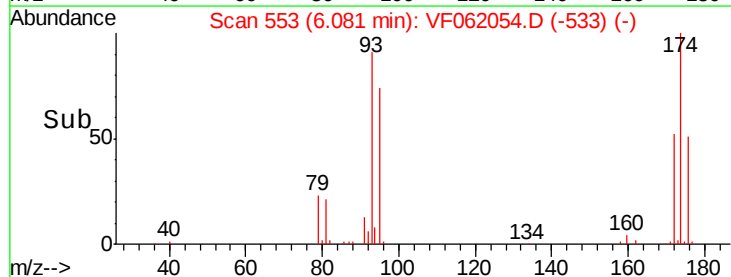
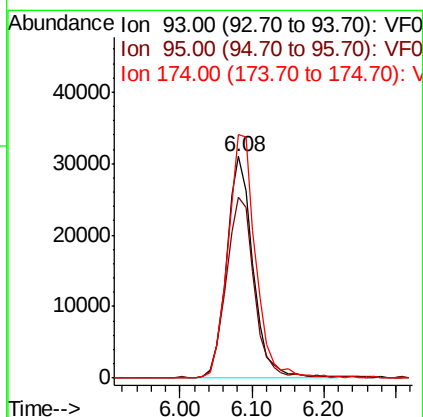
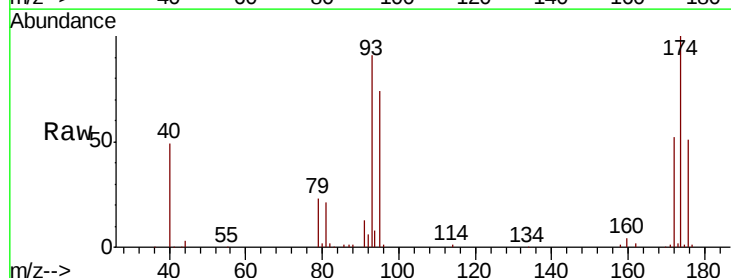
Tgt Ion: 93 Resp: 78859

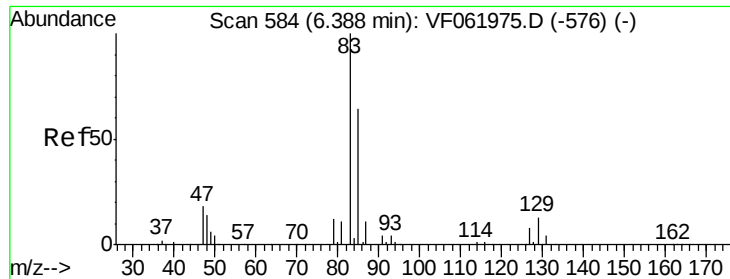
Ion Ratio Lower Upper

93 100

95 81.8 65.7 98.5

174 109.8 82.2 123.4





#47

Bromodichloromethane

Concen: 49.694 ug/l

RT: 6.38 min Scan# 583

Delta R.T. -0.01 min

Lab File: VF062054.D

Acq: 21 Mar 2019 11:48

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

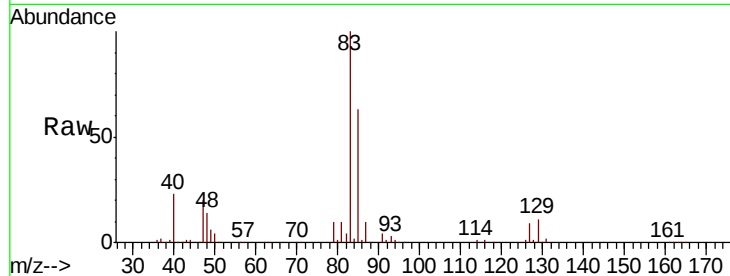
Tgt Ion: 83 Resp: 170937

Ion Ratio Lower Upper

83 100

85 62.8 51.4 77.2

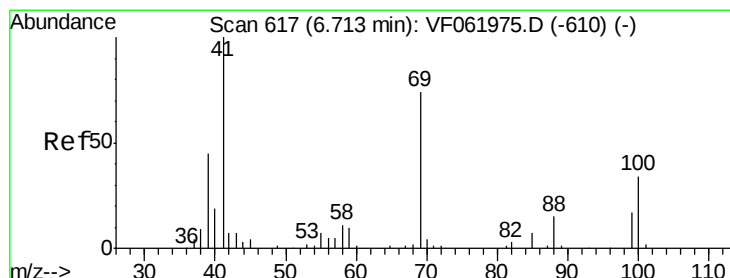
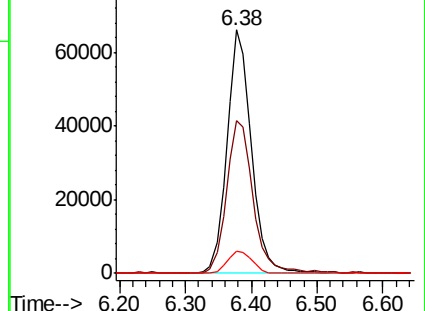
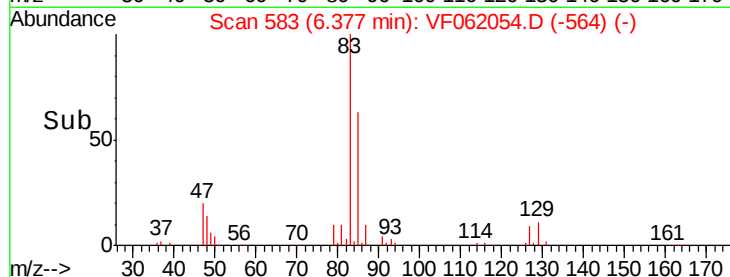
127 9.3 6.5 9.7



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 48.231 ug/l

RT: 6.71 min Scan# 617

Delta R.T. -0.00 min

Lab File: VF062054.D

Acq: 21 Mar 2019 11:48

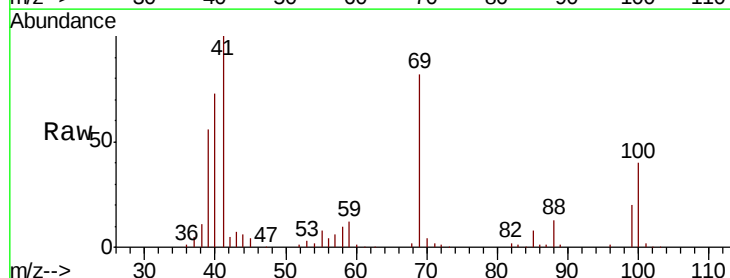
Tgt Ion: 41 Resp: 64769

Ion Ratio Lower Upper

41 100

69 81.8 59.0 88.6

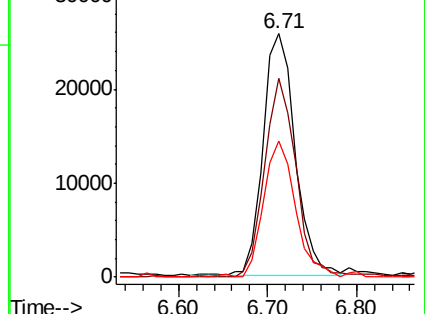
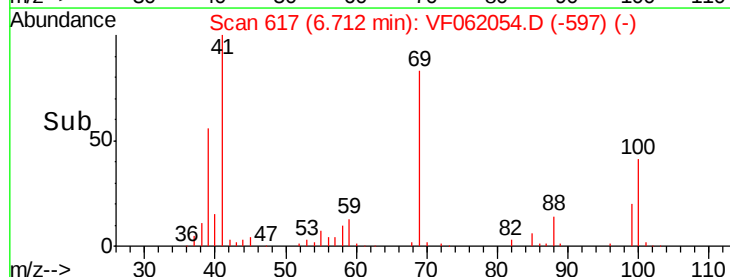
39 55.7 35.6 53.4#

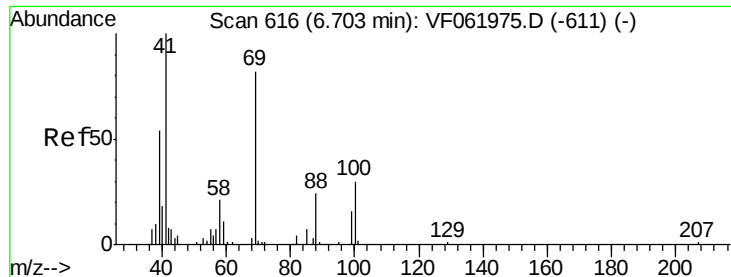


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

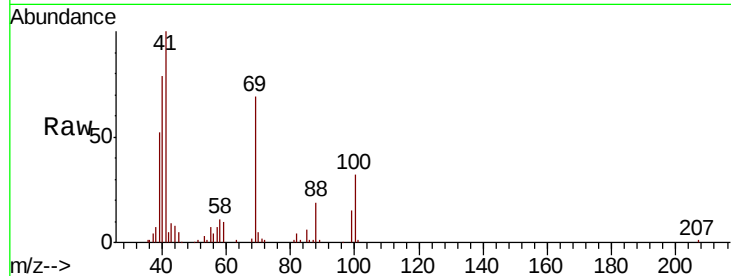




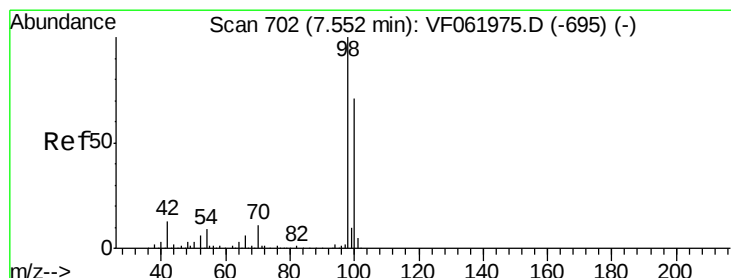
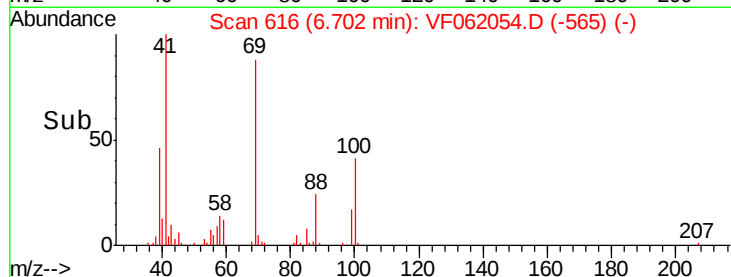
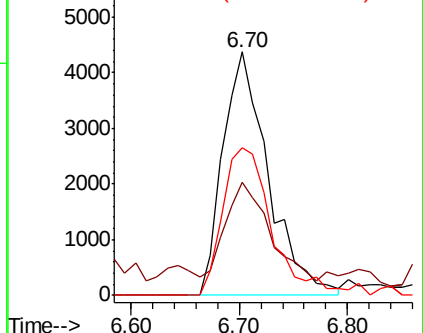
#49
1,4-Dioxane
Concen: 1069.151 ug/l
RT: 6.70 min Scan# 616
Delta R.T. -0.00 min
Lab File: VF062054.D
Acq: 21 Mar 2019 11:48

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tgt Ion: 88 Resp: 12771
Ion Ratio Lower Upper
88 100
43 46.4 31.2 46.8
58 60.8 69.9 104.9#

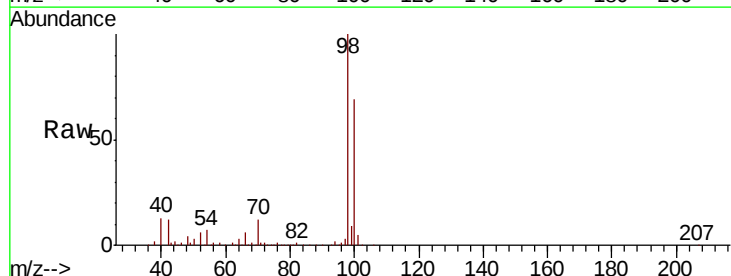


Abundance Ion 88.00 (87.70 to 88.70): VF0
Ion 43.00 (42.70 to 43.70): VF0
Ion 58.00 (57.70 to 58.70): VF0

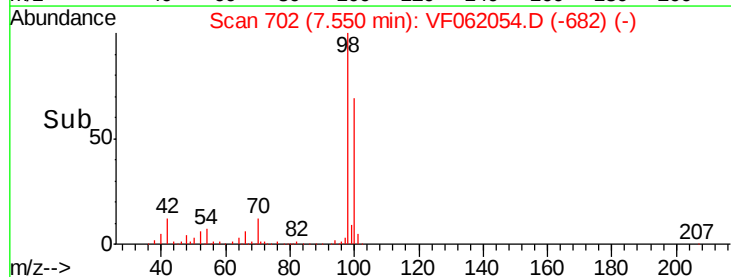
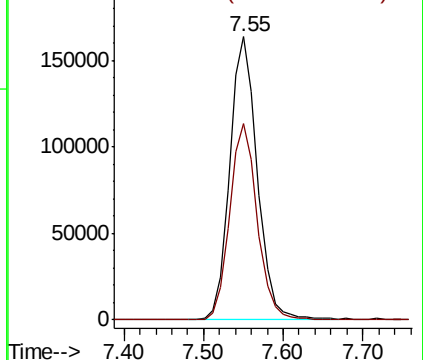


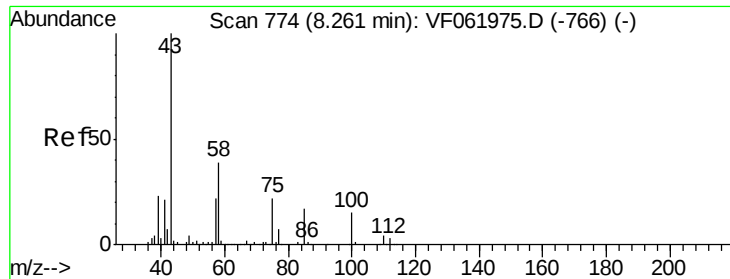
#50
Toluene-d8
Concen: 46.505 ug/l
RT: 7.55 min Scan# 702
Delta R.T. -0.00 min
Lab File: VF062054.D
Acq: 21 Mar 2019 11:48

Tgt Ion: 98 Resp: 395397
Ion Ratio Lower Upper
98 100
100 69.3 56.8 85.2



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





#51

4-Methyl-2-Pentanone

Concen: 268.315 ug/l

RT: 8.25 min Scan# 773

Delta R.T. -0.01 min

Lab File: VF062054.D

Acq: 21 Mar 2019 11:48

Instrument :

MSVOA_F

ClientSampleId :

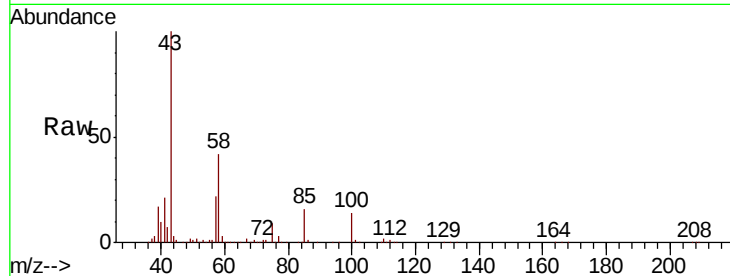
VSTDCCC050

Tgt Ion: 43 Resp: 395897

Ion Ratio Lower Upper

43 100

58 42.0 31.1 46.7



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

200000

150000

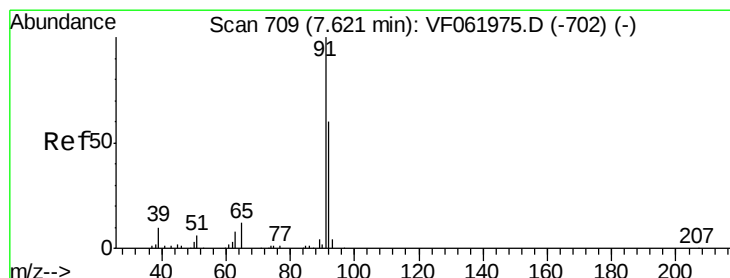
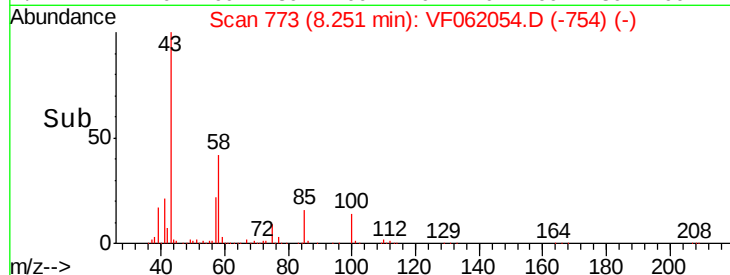
100000

50000

0

8.10 8.20 8.30 8.40

Time-->



#52

Toluene

Concen: 48.277 ug/l

RT: 7.62 min Scan# 709

Delta R.T. -0.00 min

Lab File: VF062054.D

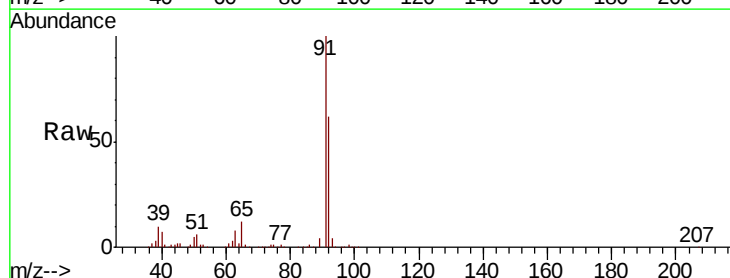
Acq: 21 Mar 2019 11:48

Tgt Ion: 92 Resp: 305701

Ion Ratio Lower Upper

92 100

91 160.9 134.0 201.0



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

250000

200000

150000

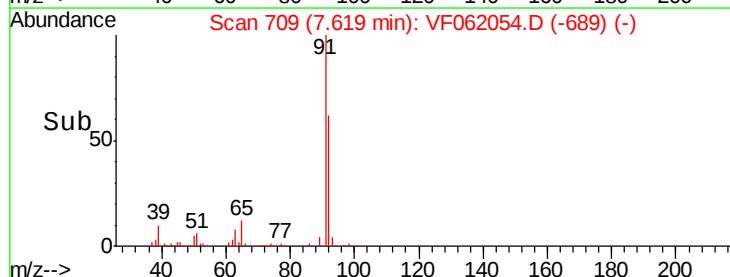
100000

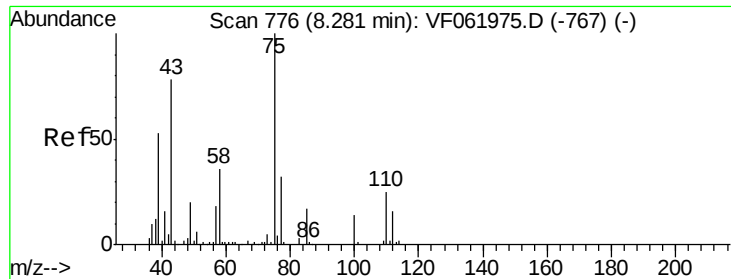
50000

0

7.50 7.60 7.70 7.80

Time-->

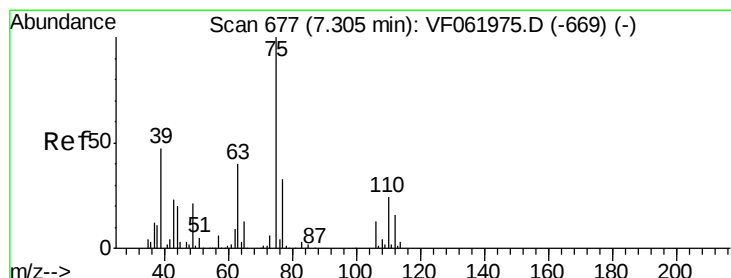
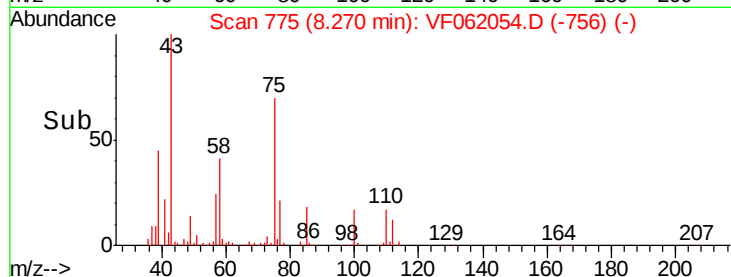
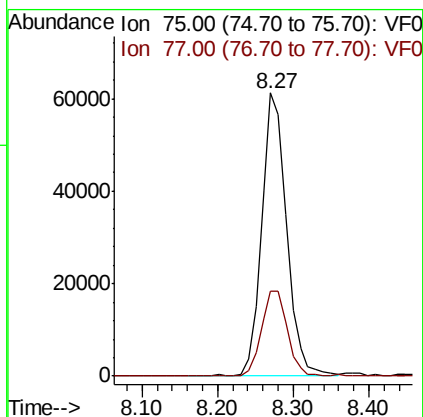
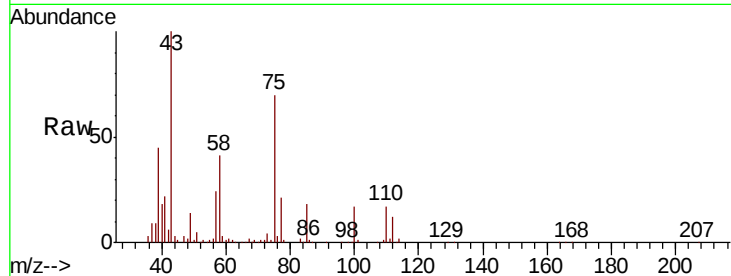




#53
 t-1,3-Dichloropropene
 Concen: 48.639 ug/l
 RT: 8.27 min Scan# 775
 Delta R.T. -0.01 min
 Lab File: VF062054.D
 Acq: 21 Mar 2019 11:48

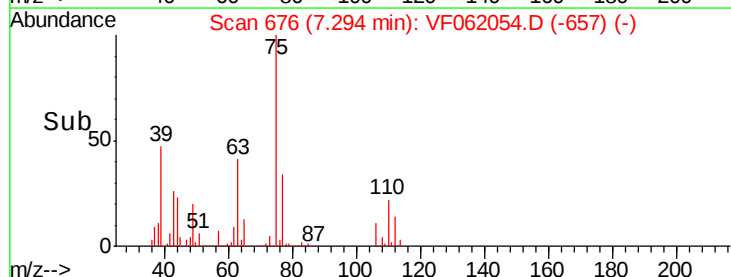
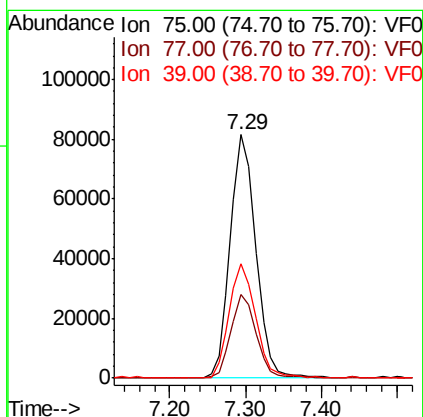
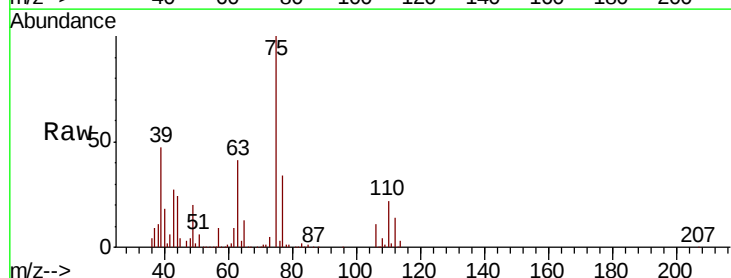
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

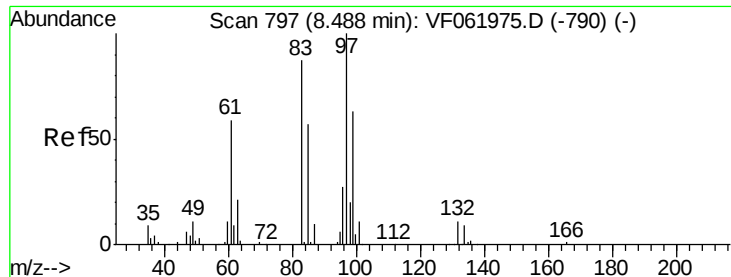
Tgt Ion: 75 Resp: 141250
 Ion Ratio Lower Upper
 75 100
 77 30.2 25.5 38.3



#54
 cis-1,3-Dichloropropene
 Concen: 50.695 ug/l
 RT: 7.29 min Scan# 676
 Delta R.T. -0.01 min
 Lab File: VF062054.D
 Acq: 21 Mar 2019 11:48

Tgt Ion: 75 Resp: 192093
 Ion Ratio Lower Upper
 75 100
 77 34.2 26.4 39.6
 39 47.1 38.0 57.0





#55

1,1,2-Trichloroethane

Concen: 53.450 ug/l

RT: 8.49 min Scan# 797

Delta R.T. -0.00 min

Lab File: VF062054.D

Acq: 21 Mar 2019 11:48

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tgt Ion: 97 Resp: 94464

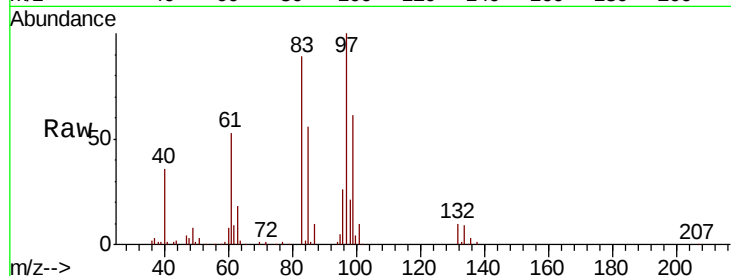
Ion Ratio Lower Upper

97 100

83 88.8 69.7 104.5

85 56.0 45.8 68.6

99 60.6 50.3 75.5

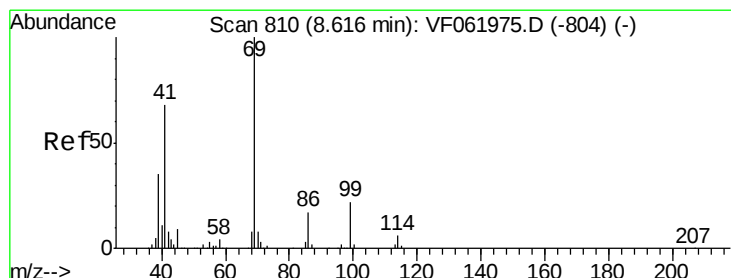
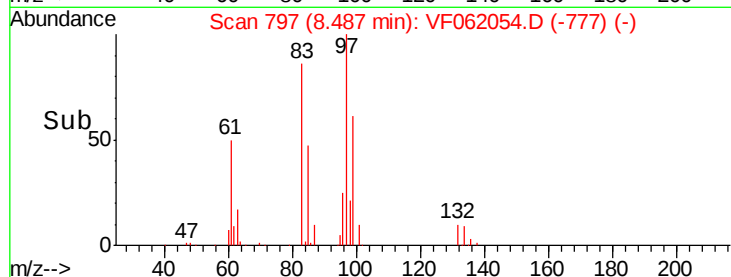
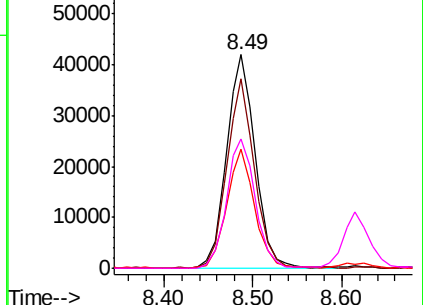


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 55.112 ug/l

RT: 8.62 min Scan# 810

Delta R.T. -0.00 min

Lab File: VF062054.D

Acq: 21 Mar 2019 11:48

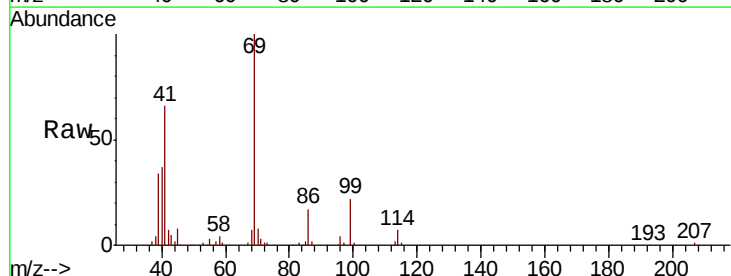
Tgt Ion: 69 Resp: 110722

Ion Ratio Lower Upper

69 100

41 66.3 54.7 82.1

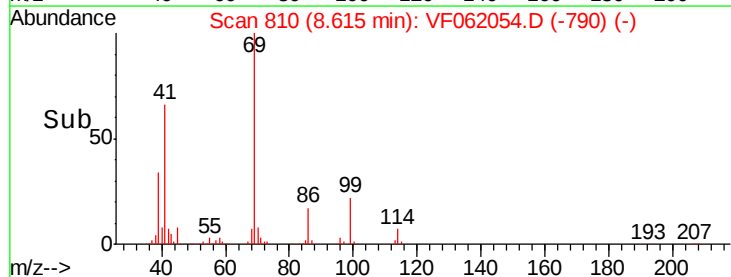
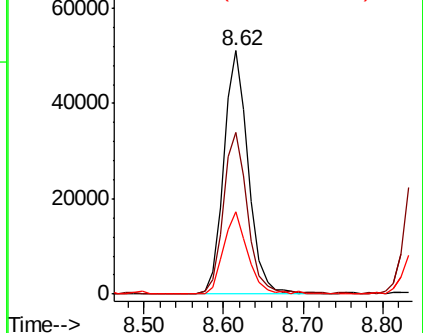
39 33.6 27.9 41.9

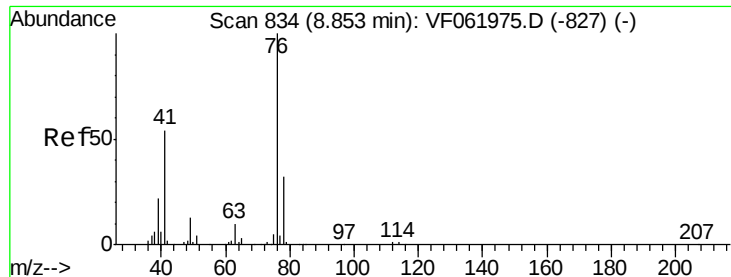


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 50.104 ug/l

RT: 8.85 min Scan# 834

Delta R.T. -0.00 min

Lab File: VF062054.D

Acq: 21 Mar 2019 11:48

Instrument :

MSVOA_F

ClientSampleId :

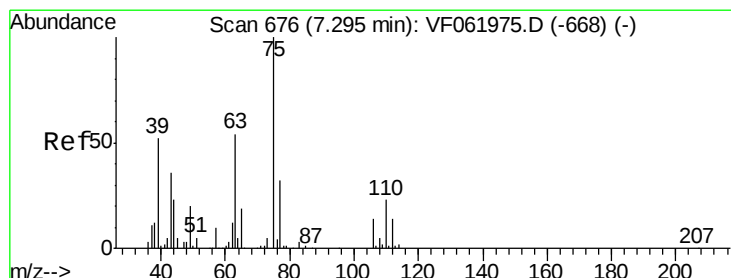
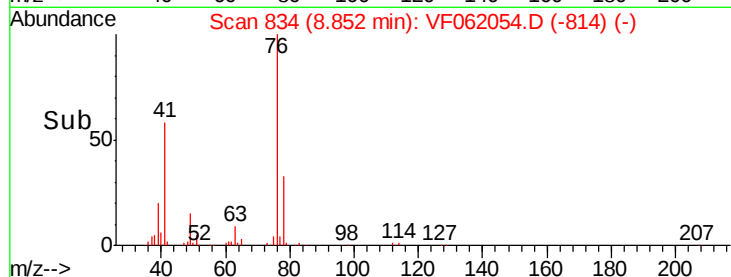
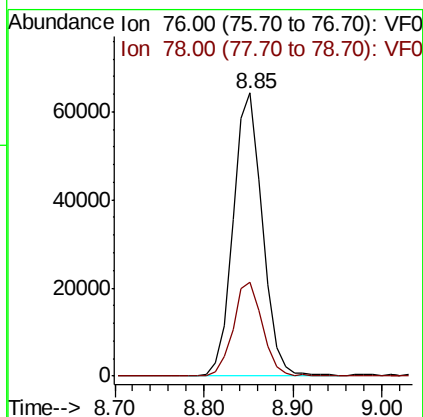
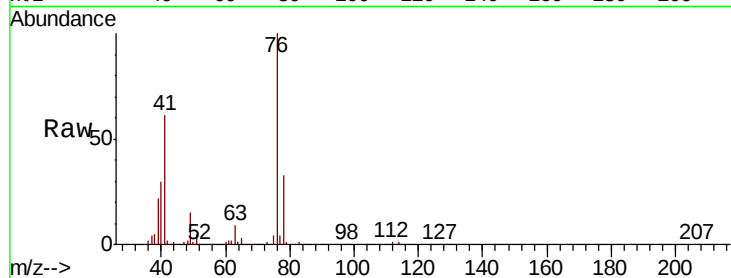
VSTDCCC050

Tgt Ion: 76 Resp: 147712

Ion Ratio Lower Upper

76 100

78 33.2 25.4 38.2



#58

2-Chloroethyl Vinyl ether

Concen: 213.987 ug/l

RT: 7.29 min Scan# 676

Delta R.T. -0.00 min

Lab File: VF062054.D

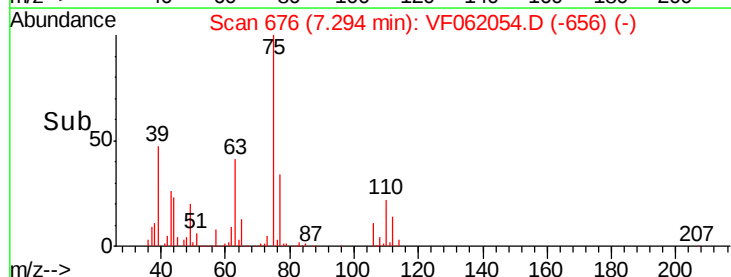
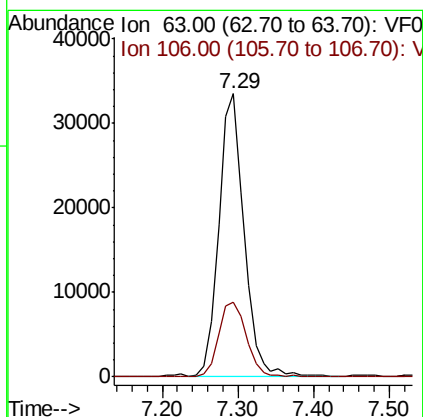
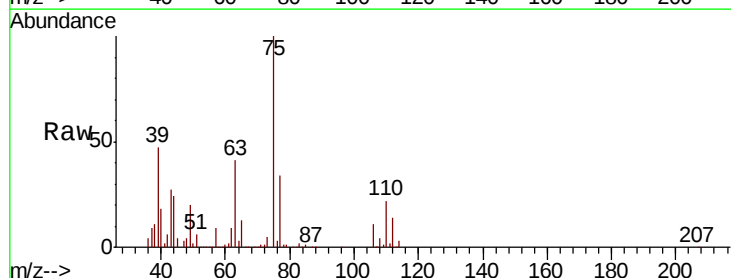
Acq: 21 Mar 2019 11:48

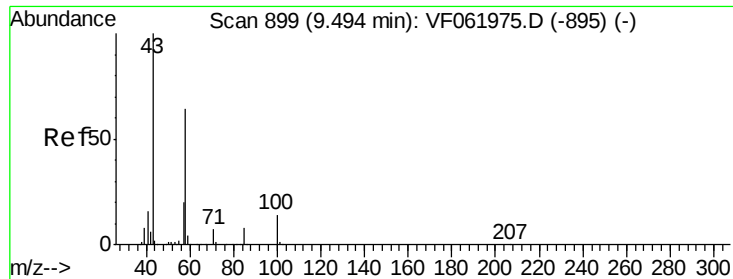
Tgt Ion: 63 Resp: 77868

Ion Ratio Lower Upper

63 100

106 26.4 20.9 31.3

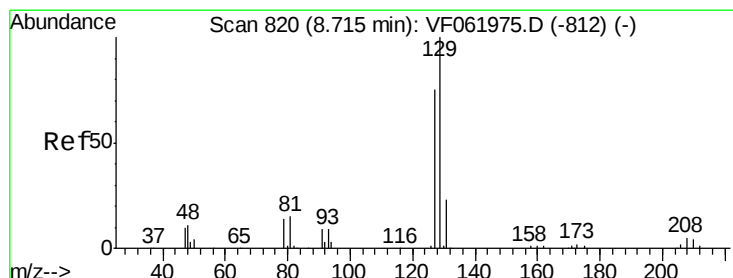
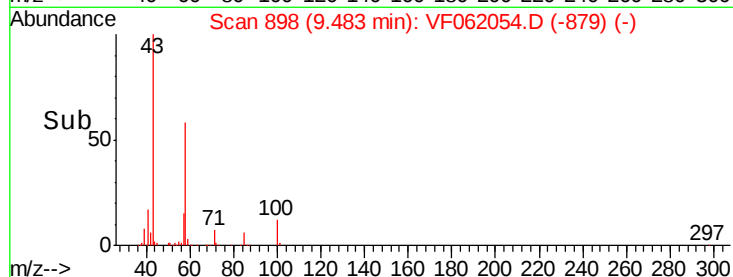
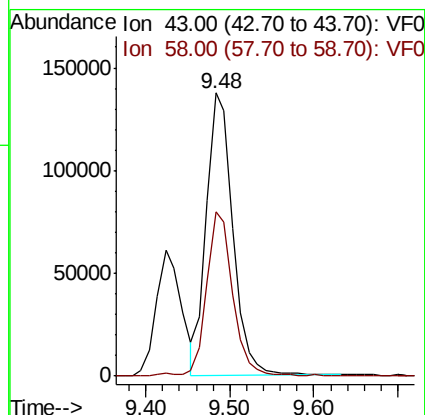
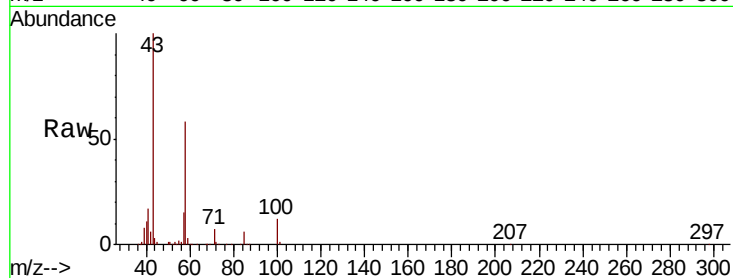




#59
2-Hexanone
Concen: 280.749 ug/l
RT: 9.48 min Scan# 898
Delta R.T. -0.01 min
Lab File: VF062054.D
Acq: 21 Mar 2019 11:48

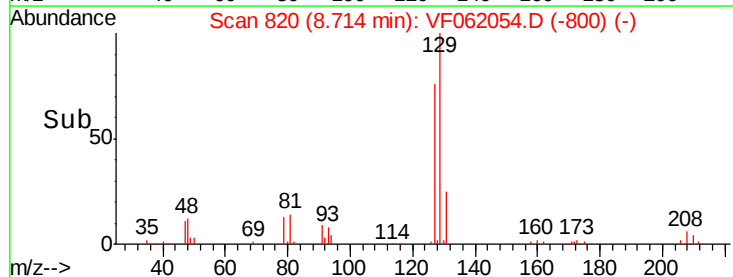
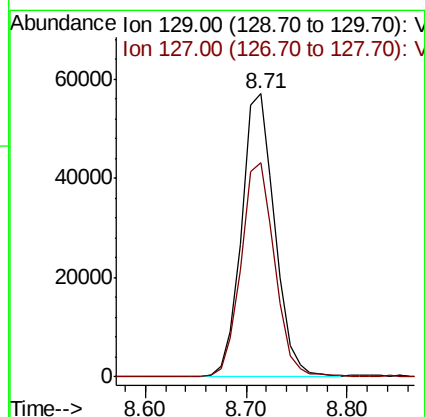
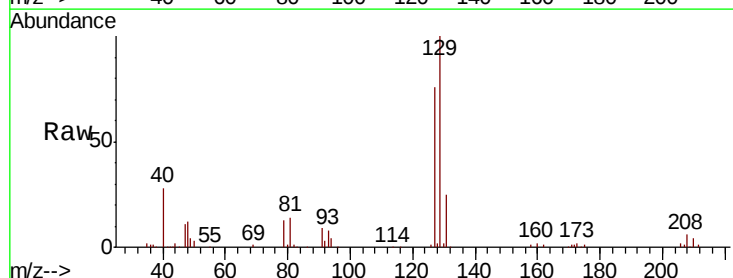
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

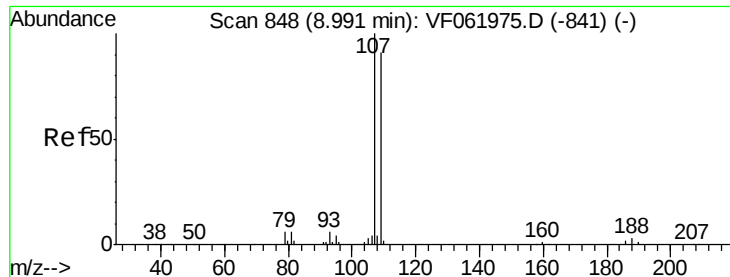
Tgt Ion: 43 Resp: 299790
Ion Ratio Lower Upper
43 100
58 58.1 28.4 85.2



#60
Dibromochloromethane
Concen: 53.395 ug/l
RT: 8.71 min Scan# 820
Delta R.T. -0.00 min
Lab File: VF062054.D
Acq: 21 Mar 2019 11:48

Tgt Ion: 129 Resp: 131004
Ion Ratio Lower Upper
129 100
127 75.7 37.3 111.8

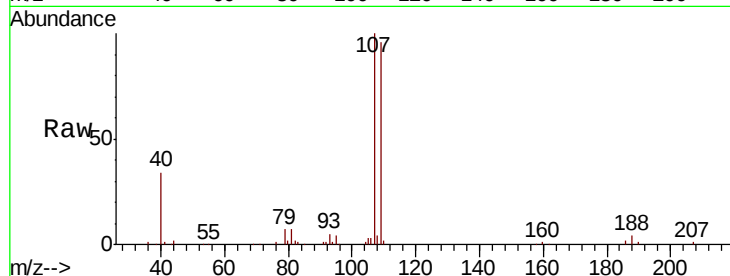




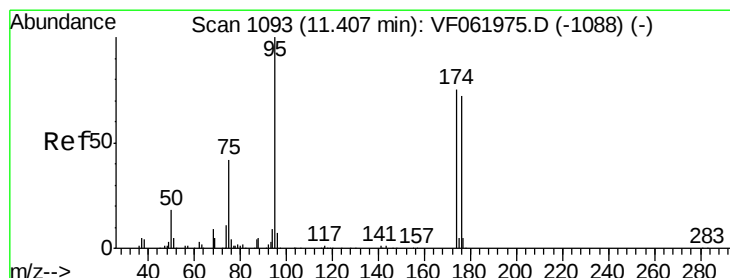
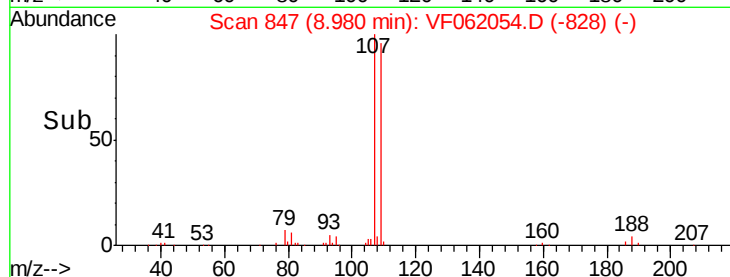
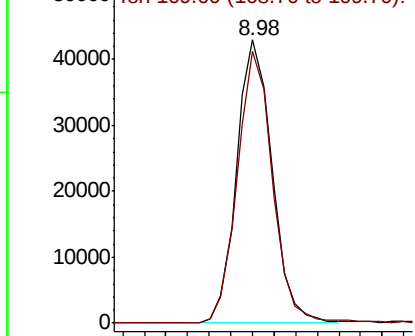
#61
 1,2-Dibromoethane
 Concen: 51.799 ug/l
 RT: 8.98 min Scan# 847
 Delta R.T. -0.01 min
 Lab File: VF062054.D
 Acq: 21 Mar 2019 11:48

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 107 Resp: 98197
 Ion Ratio Lower Upper
 107 100
 109 95.8 72.8 109.2

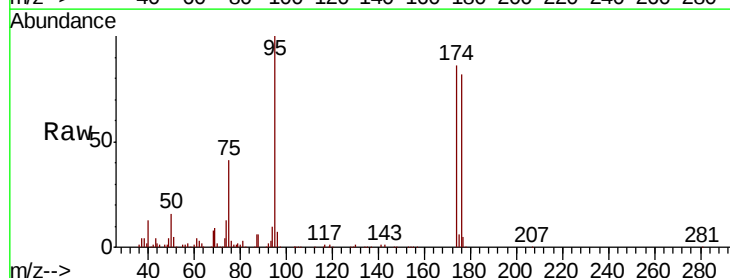


Abundance Ion 107.00 (106.70 to 107.70): V
 Ion 109.00 (108.70 to 109.70): V

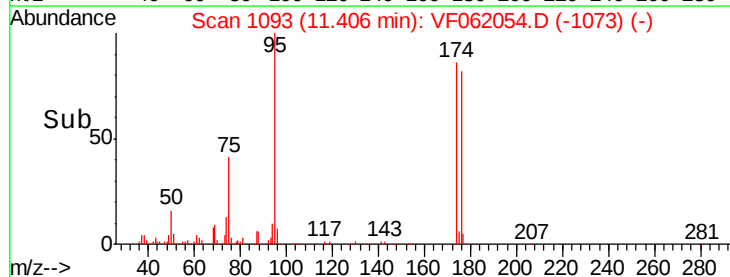
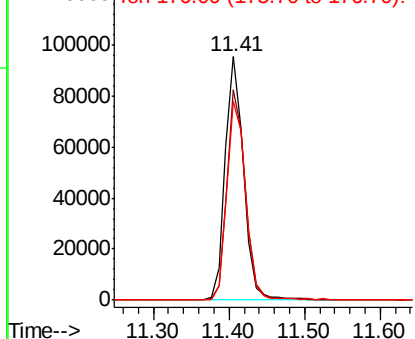


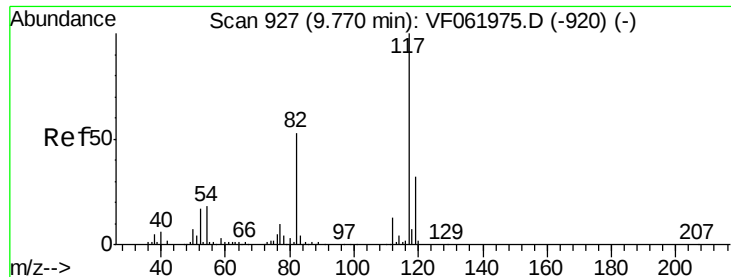
#62
 4-Bromofluorobenzene
 Concen: 47.627 ug/l
 RT: 11.41 min Scan# 1093
 Delta R.T. -0.00 min
 Lab File: VF062054.D
 Acq: 21 Mar 2019 11:48

Tgt Ion: 95 Resp: 160863
 Ion Ratio Lower Upper
 95 100
 174 86.3 0.0 149.4
 176 81.8 0.0 143.4



Abundance Ion 95.00 (94.70 to 95.70): VF0
 Ion 174.00 (173.70 to 174.70): V
 Ion 176.00 (175.70 to 176.70): V

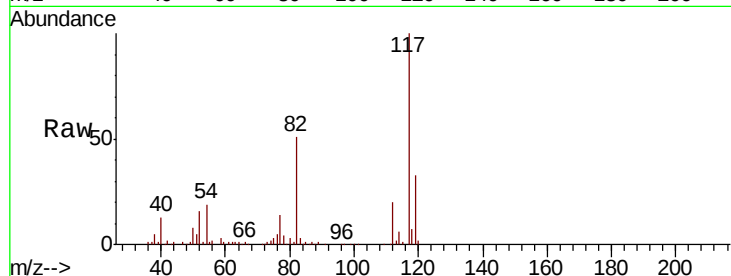




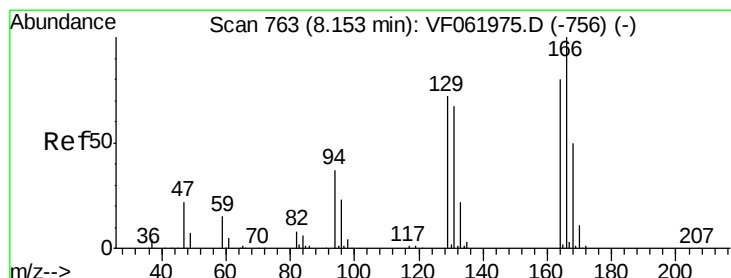
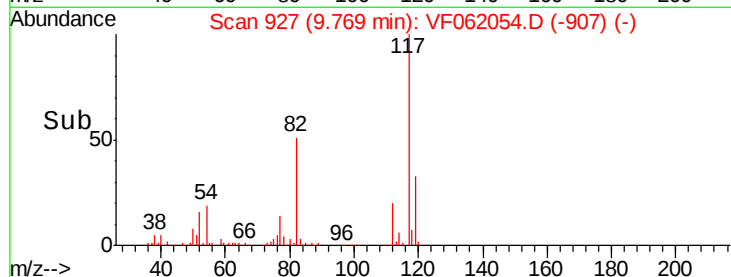
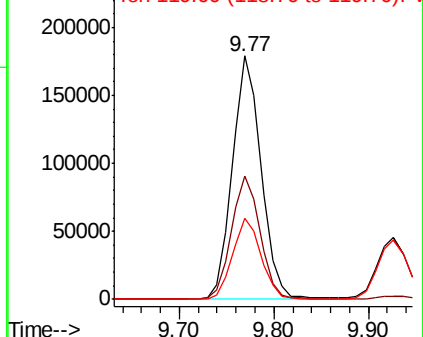
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.77 min Scan# 927
Delta R.T. -0.00 min
Lab File: VF062054.D
Acq: 21 Mar 2019 11:48

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tgt Ion:117 Resp: 378633
Ion Ratio Lower Upper
117 100
82 50.8 42.5 63.7
119 33.1 25.4 38.0



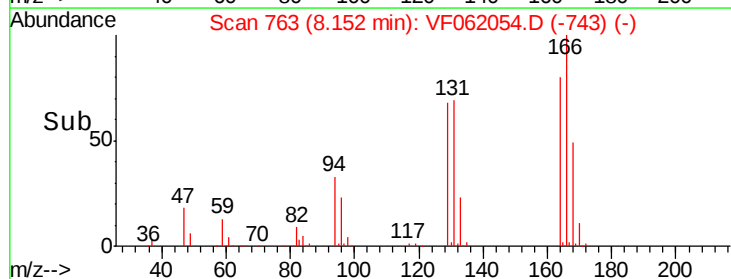
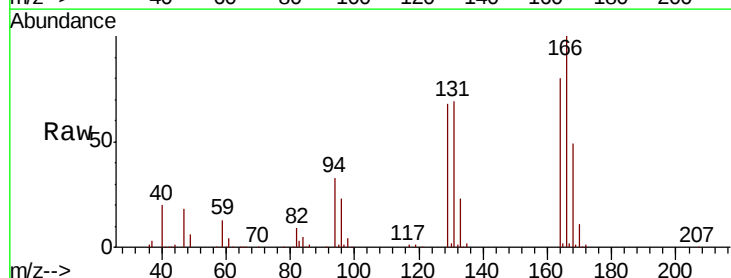
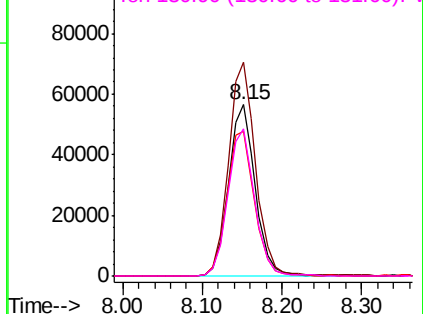
Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

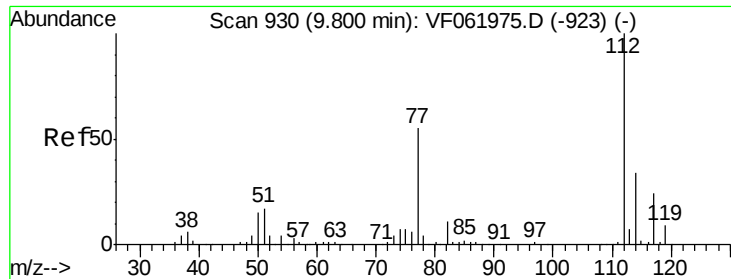


#64
Tetrachloroethene
Concen: 48.193 ug/l
RT: 8.15 min Scan# 763
Delta R.T. -0.00 min
Lab File: VF062054.D
Acq: 21 Mar 2019 11:48

Tgt Ion:164 Resp: 132639
Ion Ratio Lower Upper
164 100
166 124.9 100.0 150.0
129 84.9 72.4 108.6
131 86.1 67.1 100.7

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

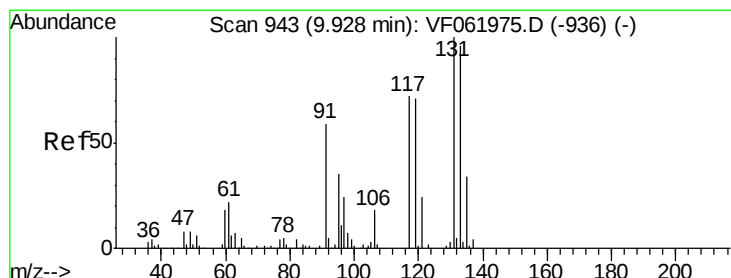
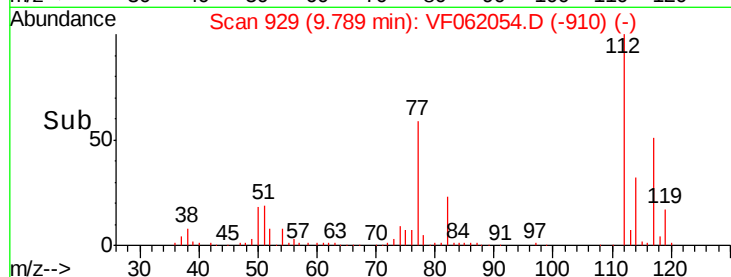
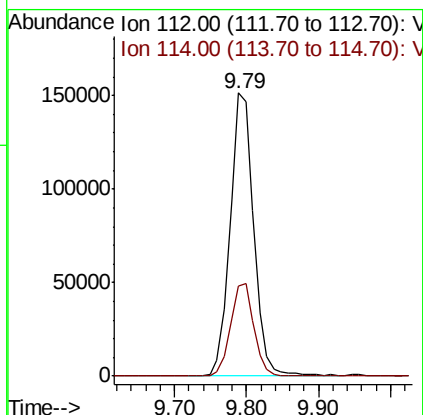
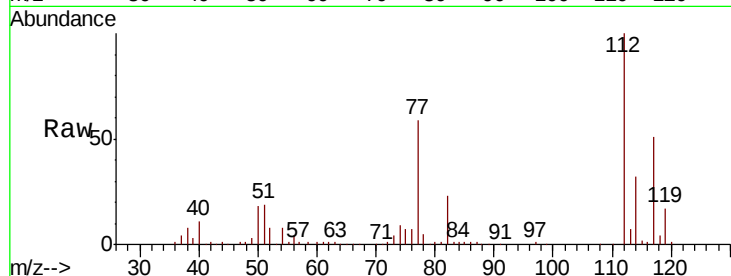




#65
Chlorobenzene
Concen: 49.115 ug/l
RT: 9.79 min Scan# 929
Delta R.T. -0.01 min
Lab File: VF062054.D
Acq: 21 Mar 2019 11:48

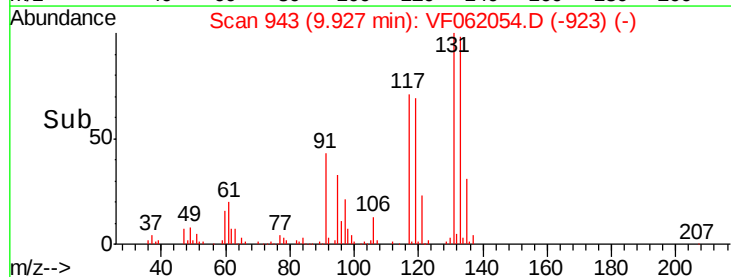
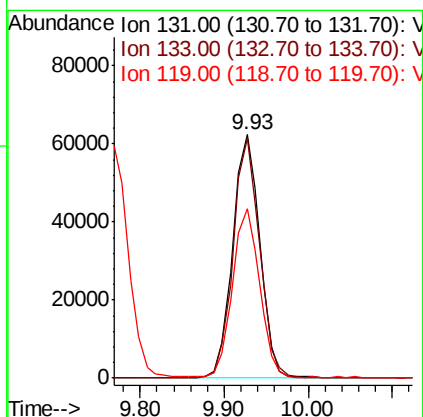
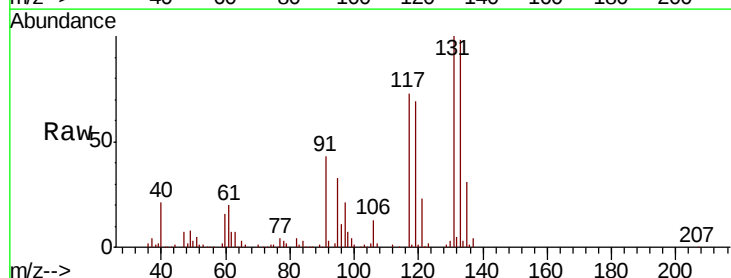
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

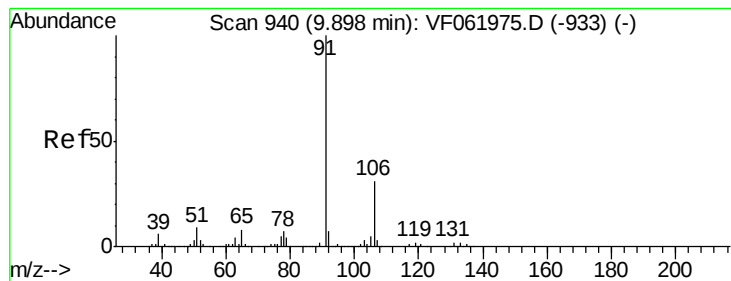
Tgt Ion:112 Resp: 346230
Ion Ratio Lower Upper
112 100
114 31.8 26.9 40.3



#66
1,1,1,2-Tetrachloroethane
Concen: 51.278 ug/l
RT: 9.93 min Scan# 943
Delta R.T. -0.00 min
Lab File: VF062054.D
Acq: 21 Mar 2019 11:48

Tgt Ion:131 Resp: 140118
Ion Ratio Lower Upper
131 100
133 98.3 48.0 144.2
119 69.5 35.9 107.7

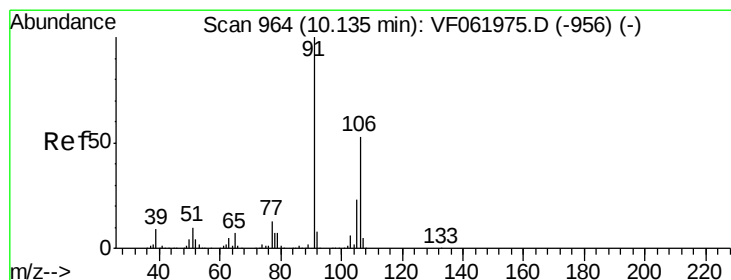
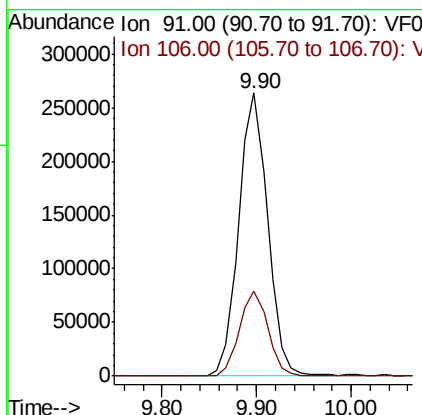
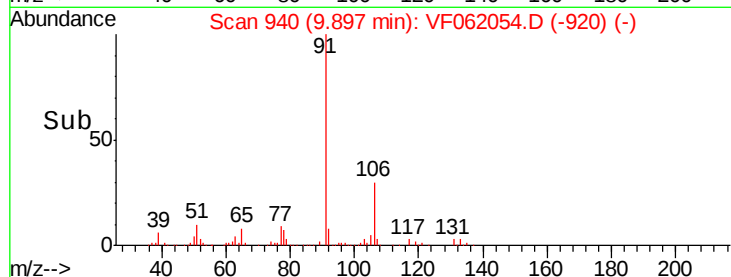
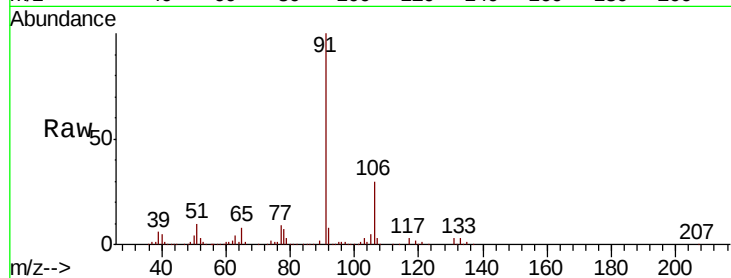




#67
Ethyl Benzene
Concen: 46.324 ug/l
RT: 9.90 min Scan# 940
Delta R.T. -0.00 min
Lab File: VF062054.D
Acq: 21 Mar 2019 11:48

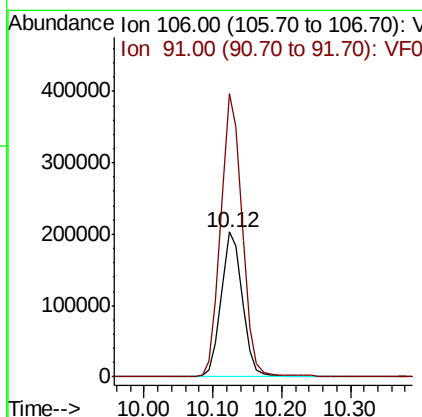
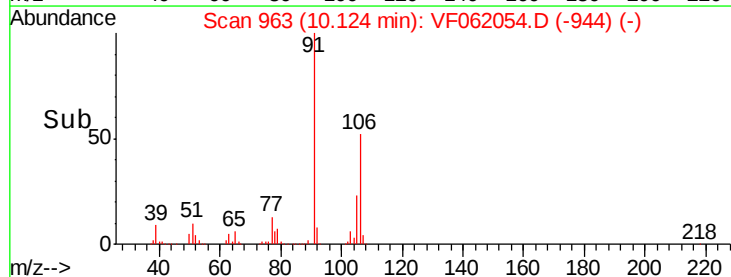
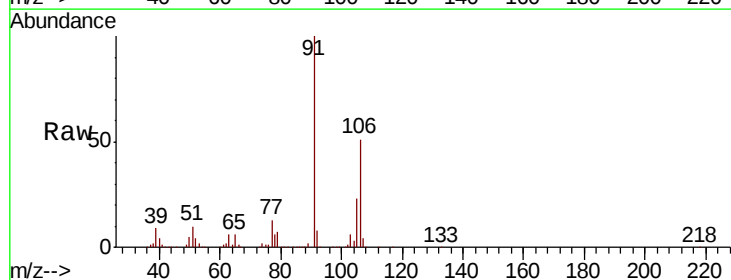
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

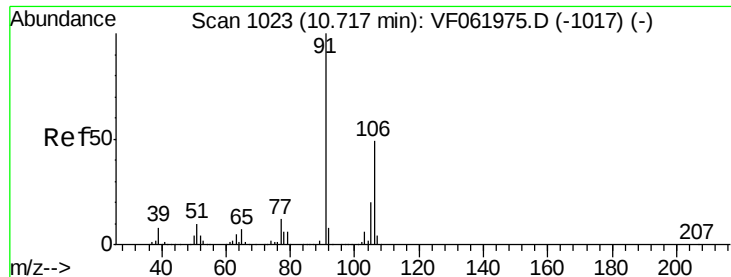
Tgt Ion: 91 Resp: 559141
Ion Ratio Lower Upper
91 100
106 30.0 24.4 36.6



#68
m/p-Xylenes
Concen: 96.473 ug/l
RT: 10.12 min Scan# 963
Delta R.T. -0.01 min
Lab File: VF062054.D
Acq: 21 Mar 2019 11:48

Tgt Ion: 106 Resp: 437963
Ion Ratio Lower Upper
106 100
91 195.1 151.9 227.9

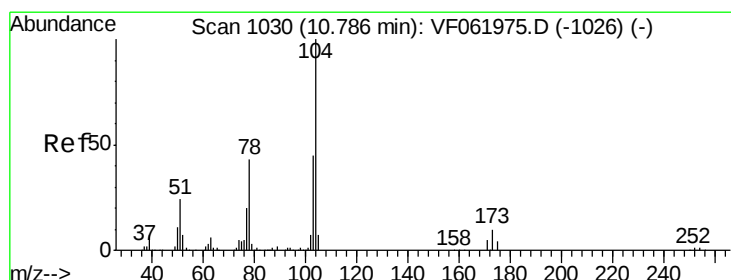
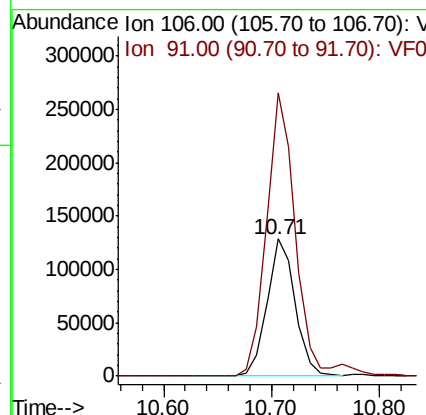
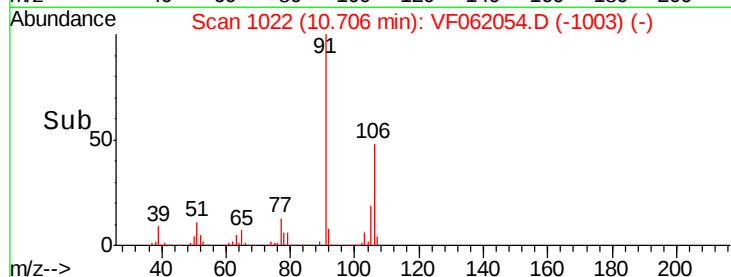
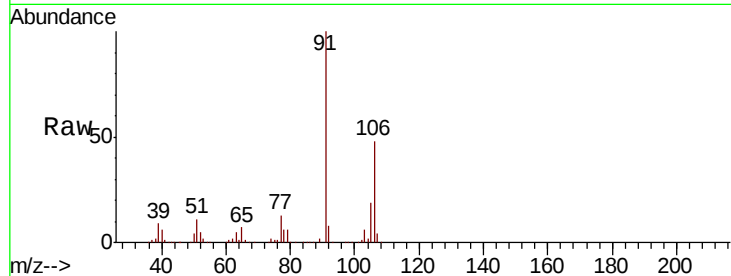




#69
o-Xylene
Concen: 48.361 ug/l
RT: 10.71 min Scan# 1022
Delta R.T. -0.01 min
Lab File: VF062054.D
Acq: 21 Mar 2019 11:48

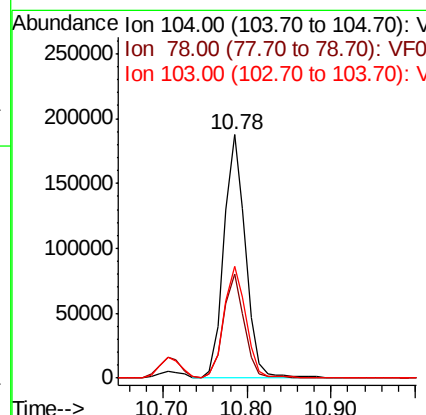
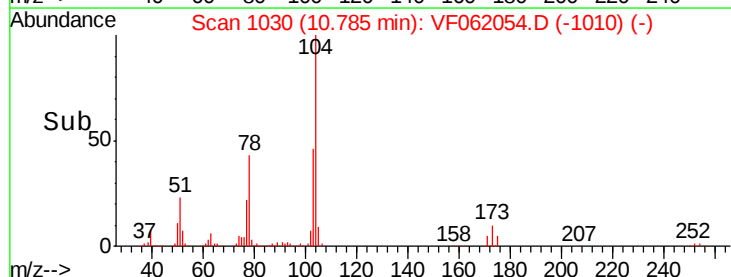
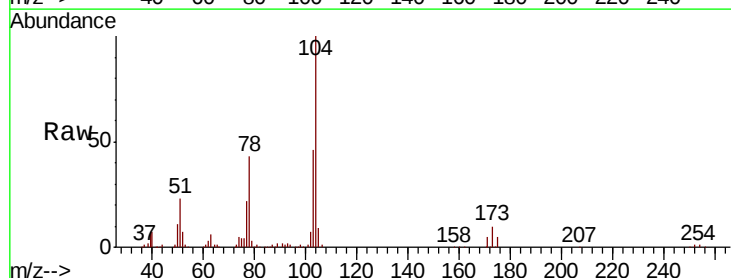
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

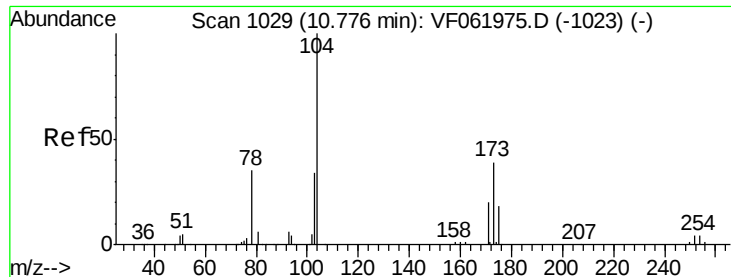
Tgt Ion:106 Resp: 234917
Ion Ratio Lower Upper
106 100
91 206.6 102.3 306.8



#70
Styrene
Concen: 49.248 ug/l
RT: 10.78 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VF062054.D
Acq: 21 Mar 2019 11:48

Tgt Ion:104 Resp: 331427
Ion Ratio Lower Upper
104 100
78 42.8 34.7 52.1
103 45.8 36.6 54.8





#71

Bromoform

Concen: 54.659 ug/l

RT: 10.77 min Scan# 1028

Delta R.T. -0.01 min

Lab File: VF062054.D

Acq: 21 Mar 2019 11:48

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

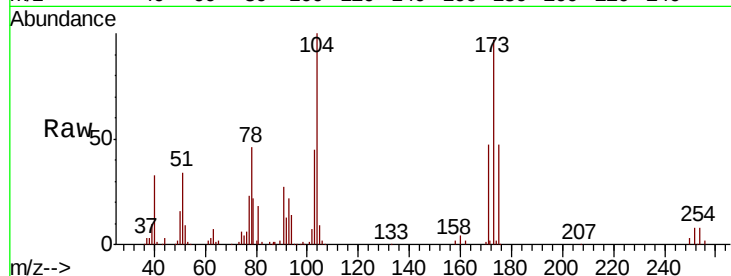
Tgt Ion:173 Resp: 75546

Ion Ratio Lower Upper

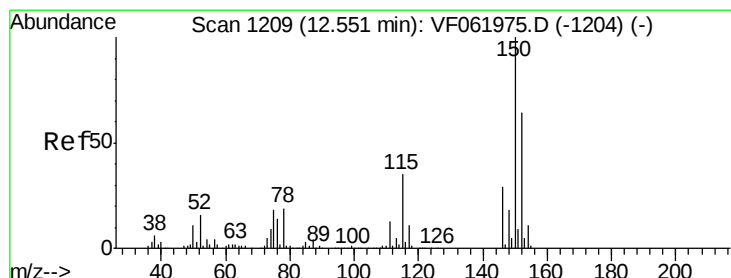
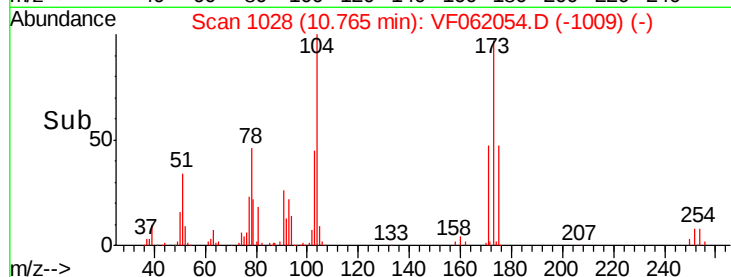
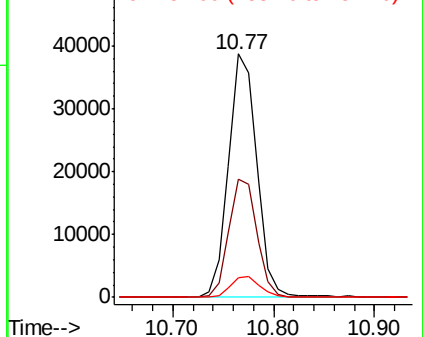
173 100

175 48.6 23.7 71.1

254 8.0 7.8 11.8



Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.55 min Scan# 1209

Delta R.T. -0.00 min

Lab File: VF062054.D

Acq: 21 Mar 2019 11:48

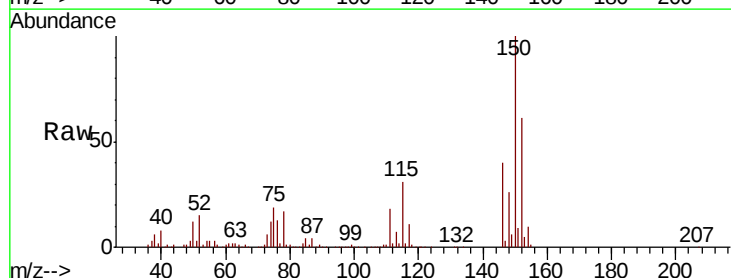
Tgt Ion:152 Resp: 200007

Ion Ratio Lower Upper

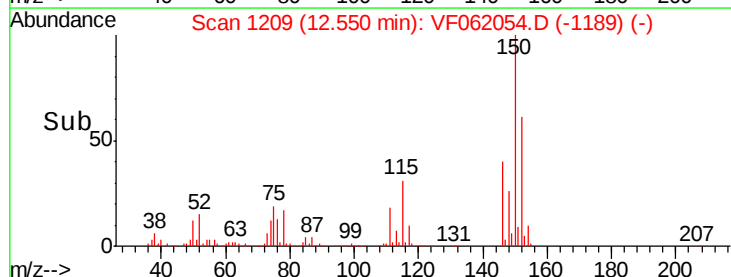
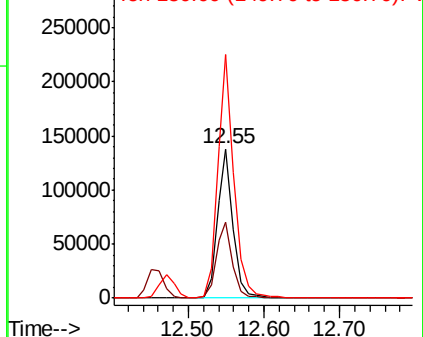
152 100

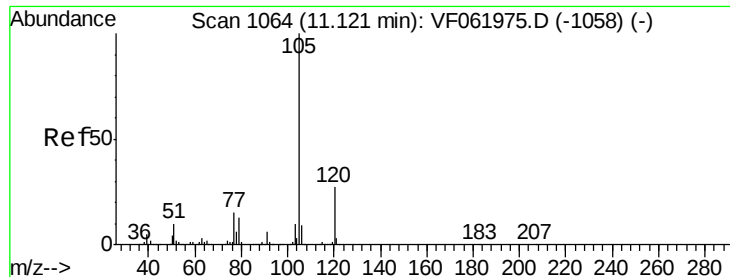
115 50.8 27.3 81.9

150 163.2 0.0 316.2



Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 48.794 ug/l

RT: 11.12 min Scan# 1064

Delta R.T. -0.00 min

Lab File: VF062054.D

Acq: 21 Mar 2019 11:48

Instrument :

MSVOA_F

ClientSampleId :

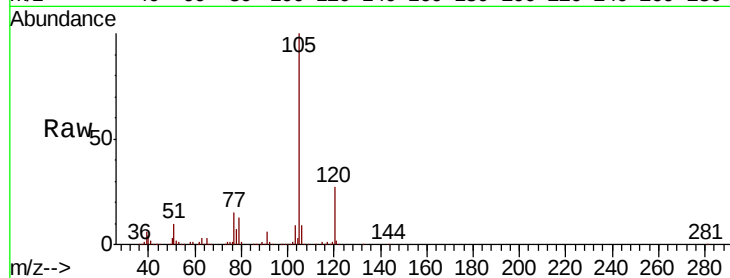
VSTDCCC050

Tgt Ion:105 Resp: 674214

Ion Ratio Lower Upper

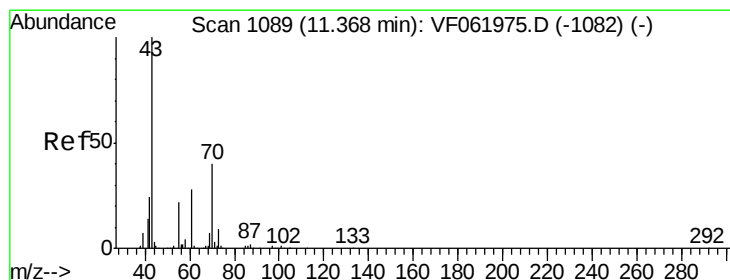
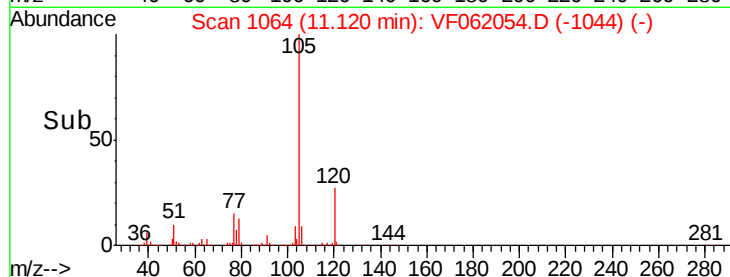
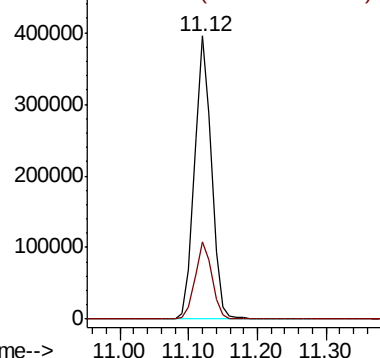
105 100

120 27.4 13.8 41.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 54.963 ug/l

RT: 11.37 min Scan# 1089

Delta R.T. -0.00 min

Lab File: VF062054.D

Acq: 21 Mar 2019 11:48

Tgt Ion: 43 Resp: 174019

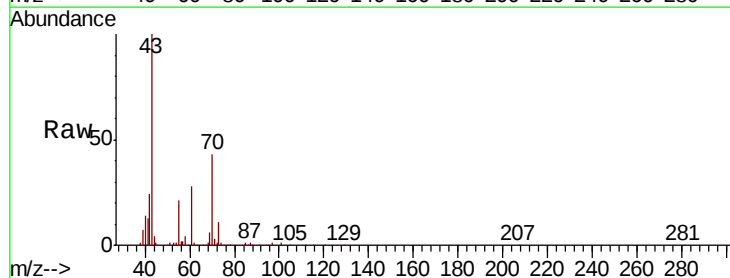
Ion Ratio Lower Upper

43 100

70 42.8 31.9 47.9

55 21.3 17.9 26.9

61 27.9 22.2 33.2

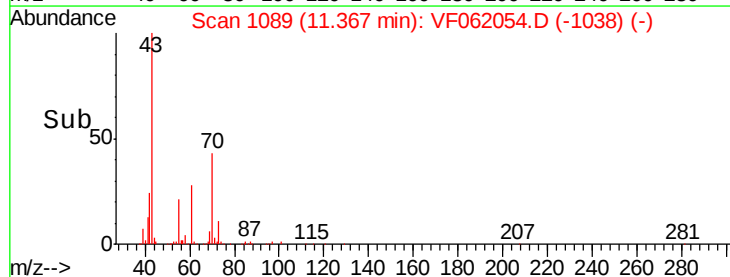
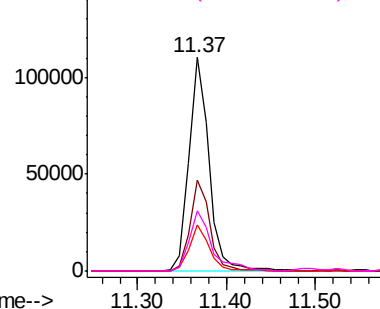


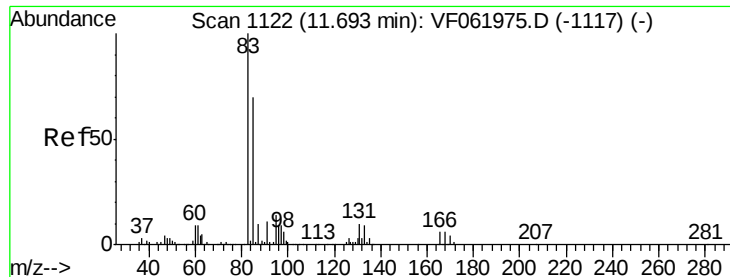
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 53.022 ug/l

RT: 11.69 min Scan# 1122

Delta R.T. -0.00 min

Lab File: VF062054.D

Acq: 21 Mar 2019 11:48

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

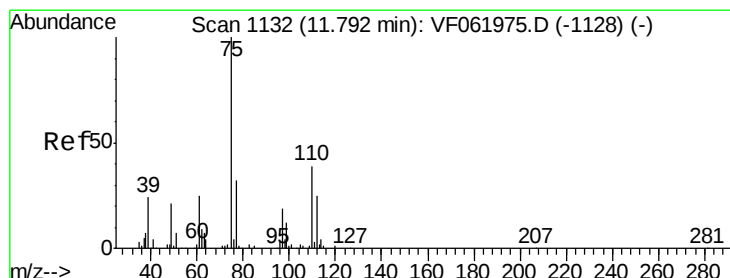
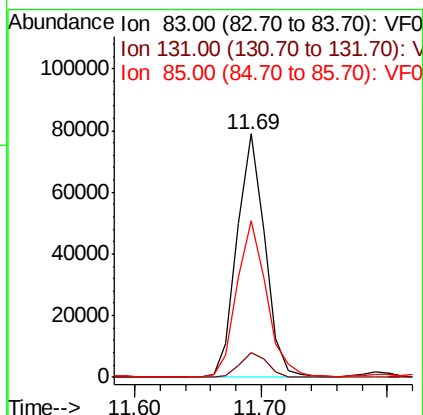
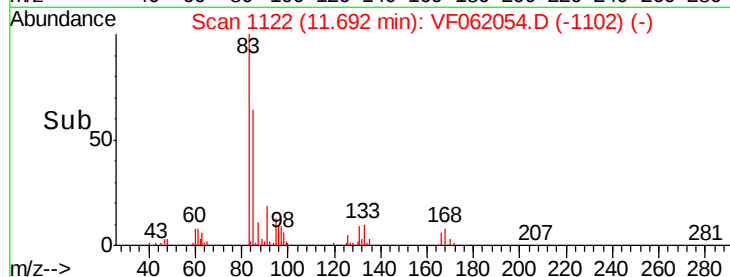
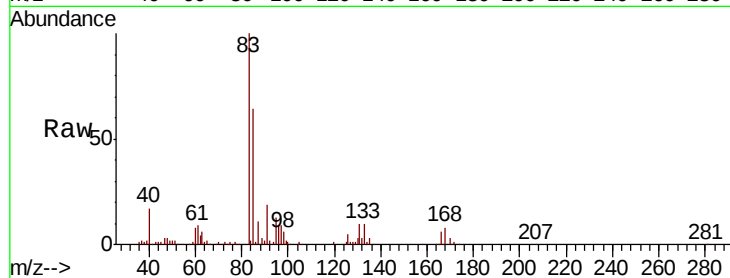
Tgt Ion: 83 Resp: 120931

Ion Ratio Lower Upper

83 100

131 10.0 4.9 14.7

85 64.1 35.3 105.9



#76

1,2,3-Trichloropropane

Concen: 51.256 ug/l

RT: 11.79 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VF062054.D

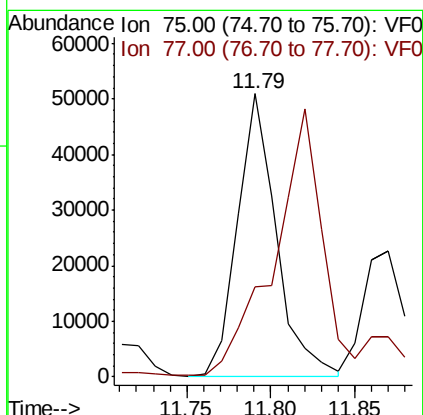
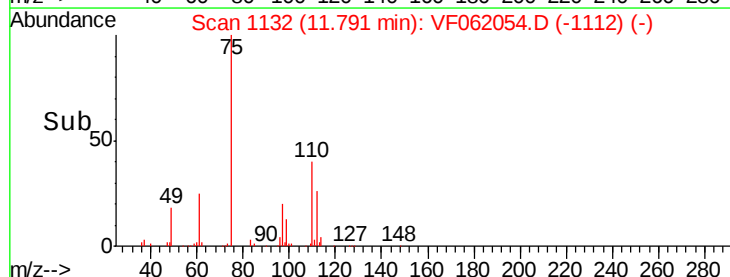
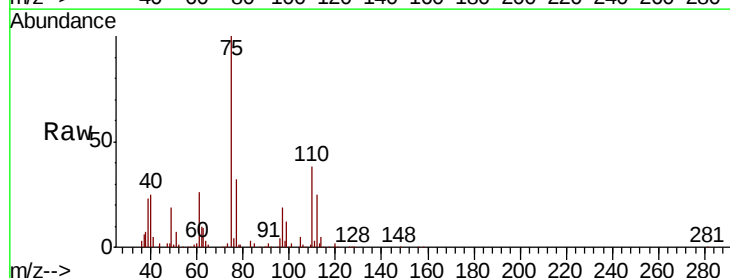
Acq: 21 Mar 2019 11:48

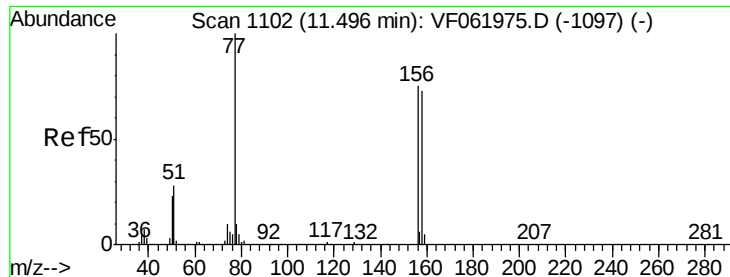
Tgt Ion: 75 Resp: 81745

Ion Ratio Lower Upper

75 100

77 31.7 16.4 49.2





#77

Bromobenzene

Concen: 48.940 ug/l

RT: 11.49 min Scan# 1102

Delta R.T. -0.00 min

Lab File: VF062054.D

Acq: 21 Mar 2019 11:48

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

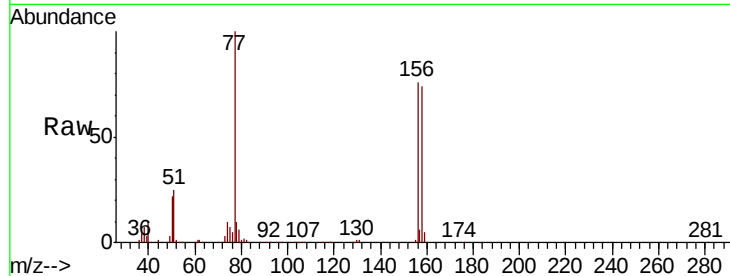
Tgt Ion: 156 Resp: 156604

Ion Ratio Lower Upper

156 100

77 131.4 67.0 201.0

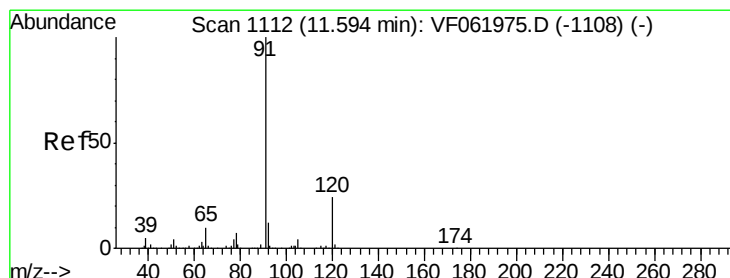
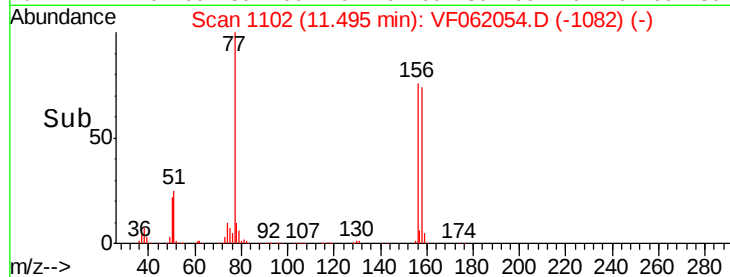
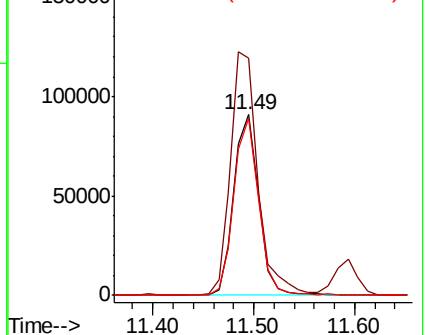
158 97.8 48.9 146.7



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 45.831 ug/l

RT: 11.59 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VF062054.D

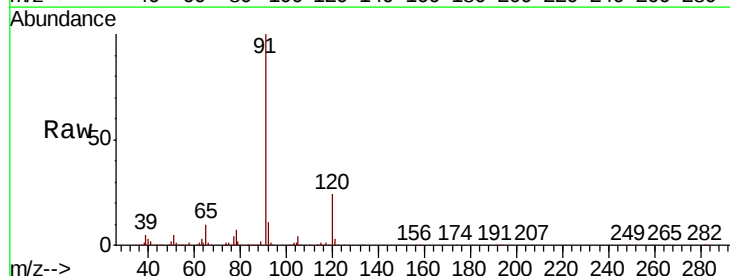
Acq: 21 Mar 2019 11:48

Tgt Ion: 91 Resp: 728170

Ion Ratio Lower Upper

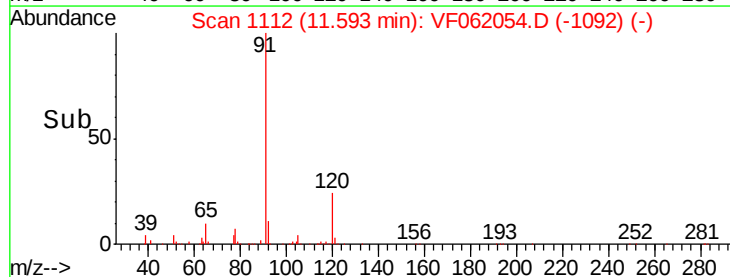
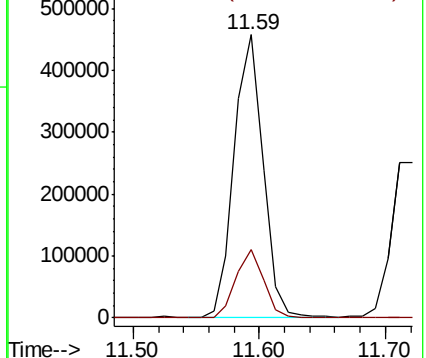
91 100

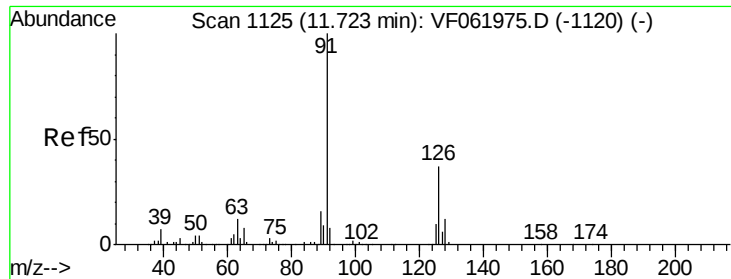
120 24.3 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 47.835 ug/l

RT: 11.71 min Scan# 1124

Delta R.T. -0.01 min

Lab File: VF062054.D

Acq: 21 Mar 2019 11:48

Instrument :

MSVOA_F

ClientSampleId :

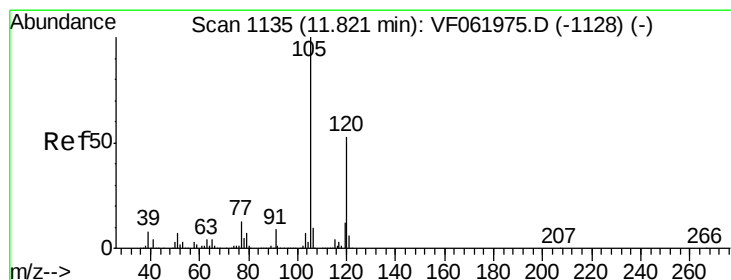
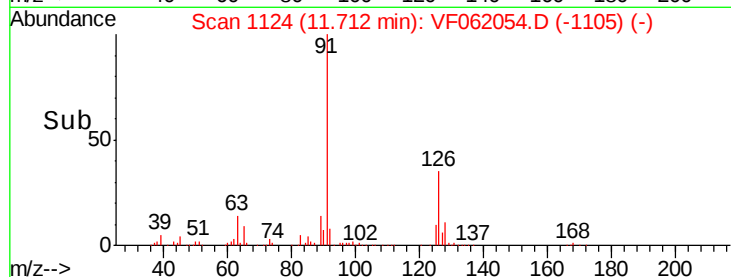
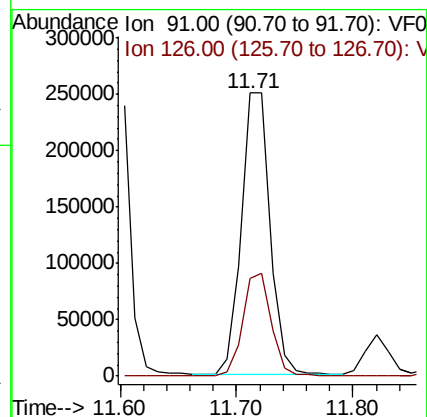
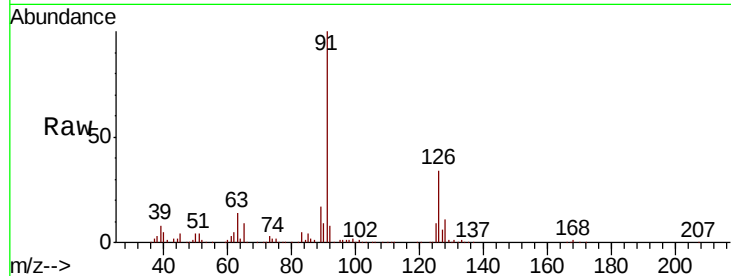
VSTDCCC050

Tgt Ion: 91 Resp: 428997

Ion Ratio Lower Upper

91 100

126 34.4 18.4 55.2



#80

1,3,5-Trimethylbenzene

Concen: 48.750 ug/l

RT: 11.82 min Scan# 1135

Delta R.T. -0.00 min

Lab File: VF062054.D

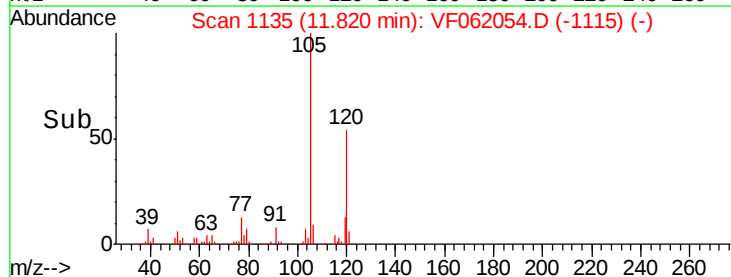
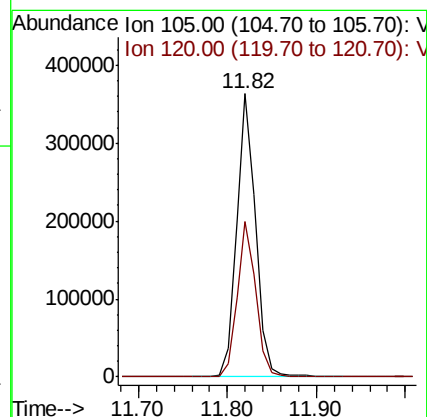
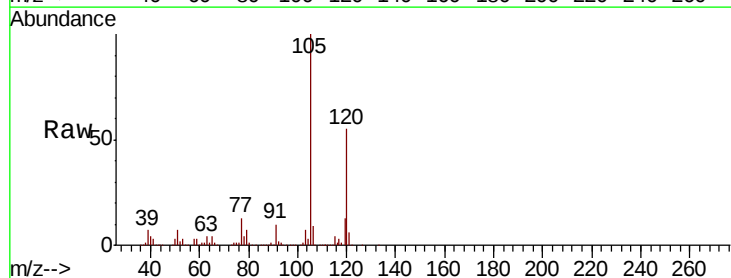
Acq: 21 Mar 2019 11:48

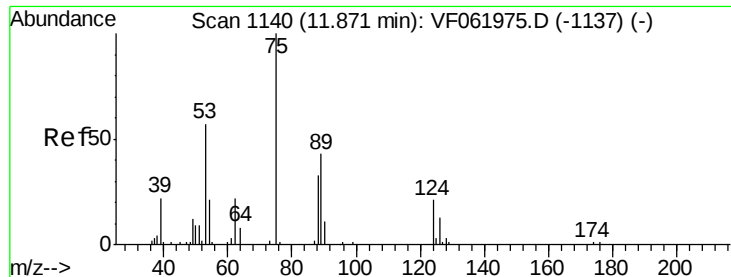
Tgt Ion: 105 Resp: 544138

Ion Ratio Lower Upper

105 100

120 54.9 26.6 79.7





#81

trans-1,4-Dichloro-2-butene

Concen: 69.572 ug/l

RT: 11.87 min Scan# 1140

Delta R.T. -0.00 min

Lab File: VF062054.D

Acq: 21 Mar 2019 11:48

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

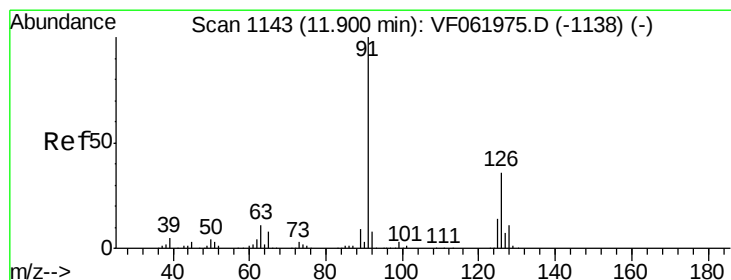
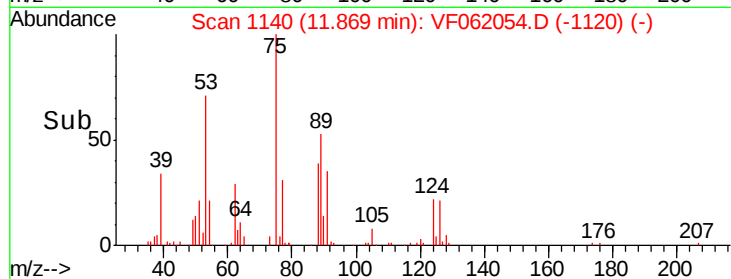
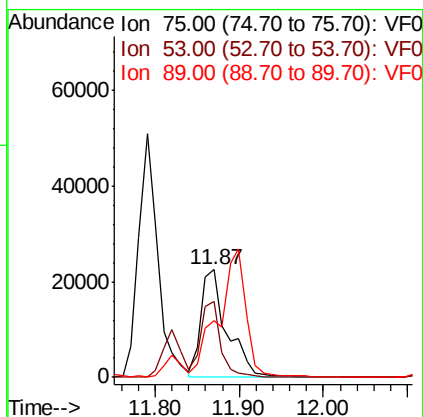
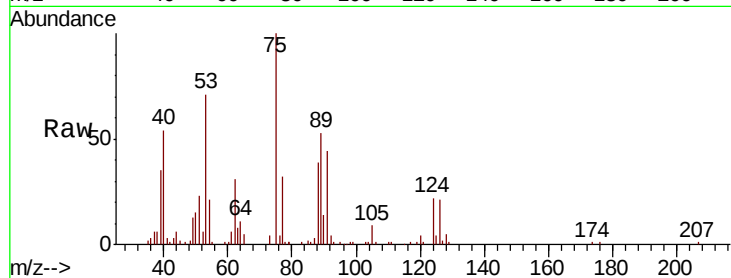
Tgt Ion: 75 Resp: 49086

Ion Ratio Lower Upper

75 100

53 70.6 49.0 73.6

89 52.9 37.1 55.7



#82

4-Chlorotoluene

Concen: 46.595 ug/l

RT: 11.90 min Scan# 1143

Delta R.T. -0.00 min

Lab File: VF062054.D

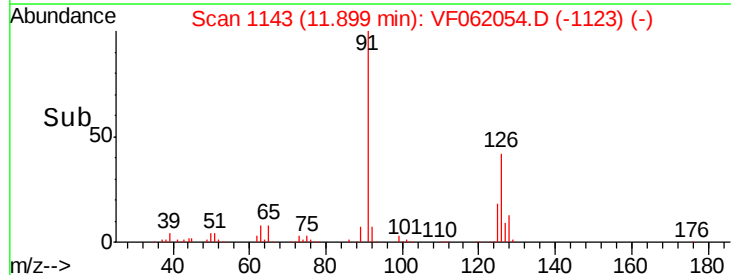
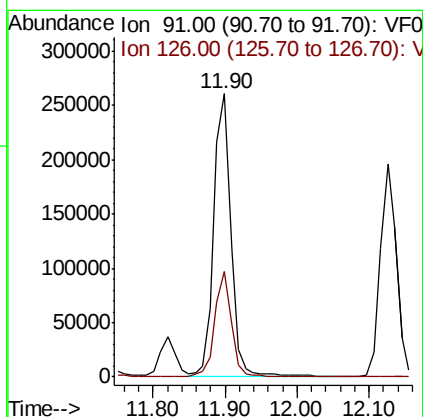
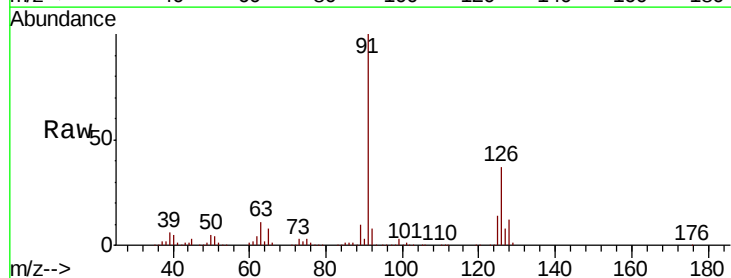
Acq: 21 Mar 2019 11:48

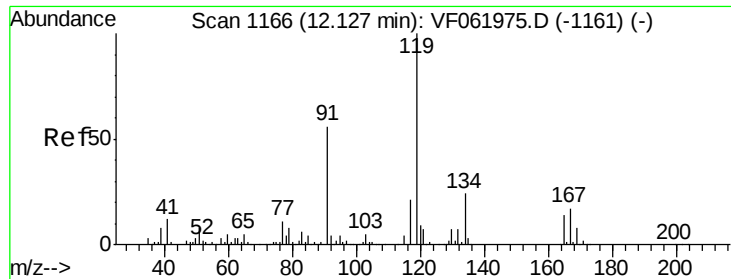
Tgt Ion: 91 Resp: 422582

Ion Ratio Lower Upper

91 100

126 37.1 18.1 54.1

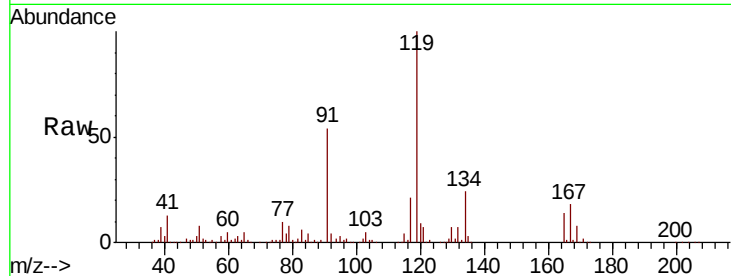




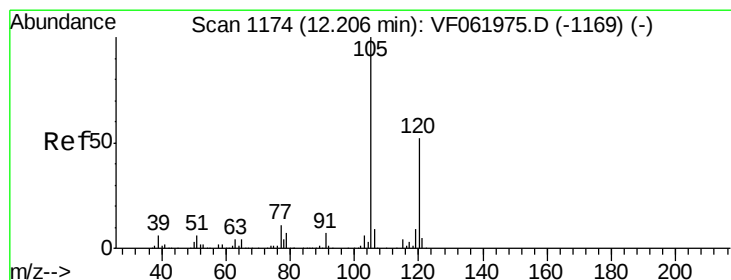
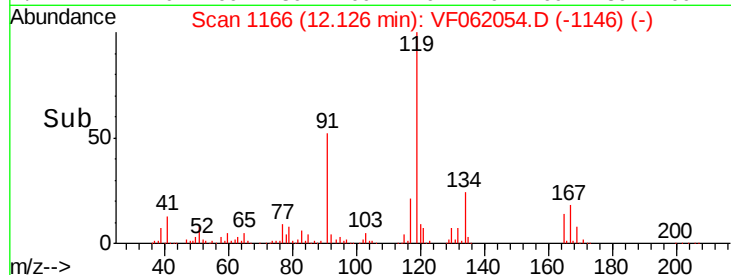
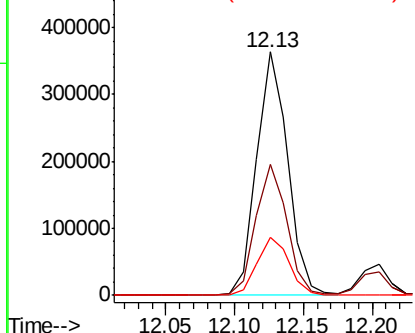
#83
 tert-Butylbenzene
 Concen: 49.073 ug/l
 RT: 12.13 min Scan# 1166
 Delta R.T. -0.00 min
 Lab File: VF062054.D
 Acq: 21 Mar 2019 11:48

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tgt Ion:119 Resp: 572840
 Ion Ratio Lower Upper
 119 100
 91 54.0 27.9 83.6
 134 24.1 12.3 36.8

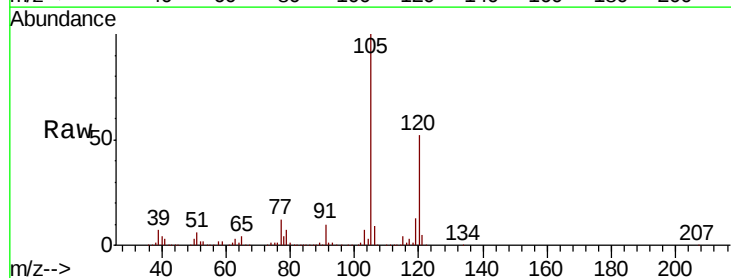


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VF0
 Ion 134.00 (133.70 to 134.70): V

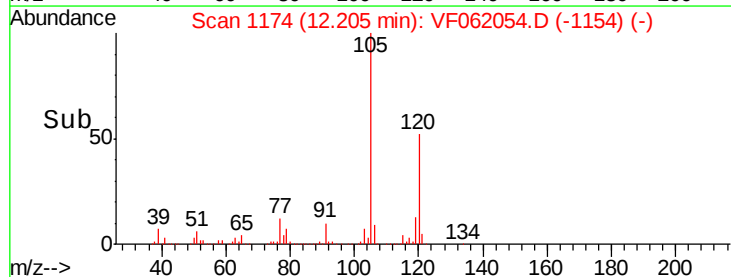
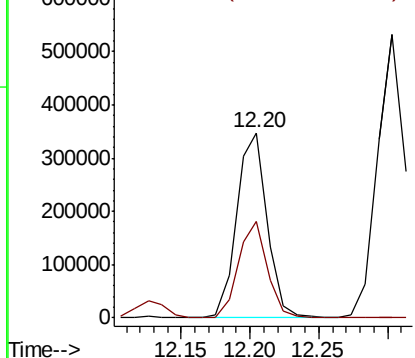


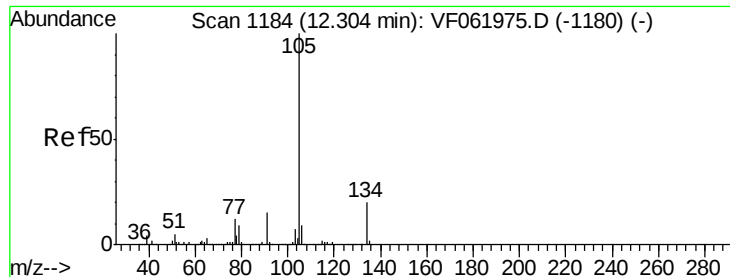
#84
 1,2,4-Trimethylbenzene
 Concen: 47.738 ug/l
 RT: 12.20 min Scan# 1174
 Delta R.T. -0.00 min
 Lab File: VF062054.D
 Acq: 21 Mar 2019 11:48

Tgt Ion:105 Resp: 533709
 Ion Ratio Lower Upper
 105 100
 120 52.1 25.9 77.8



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

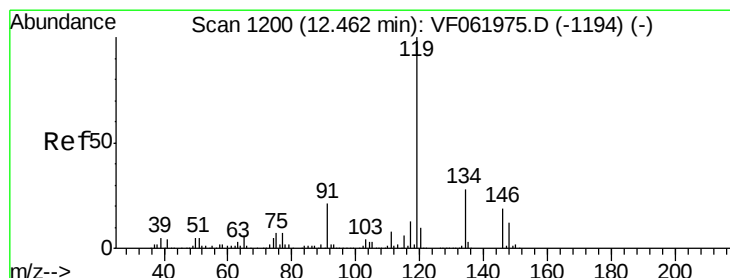
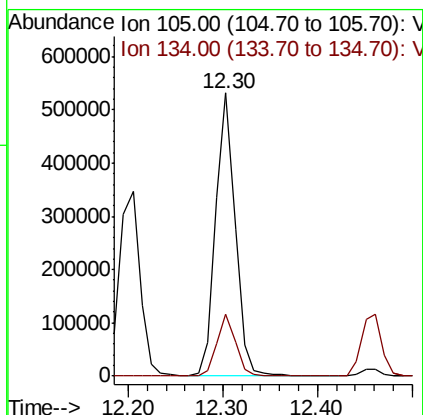
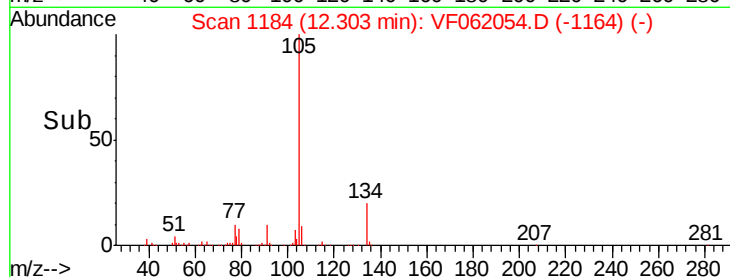
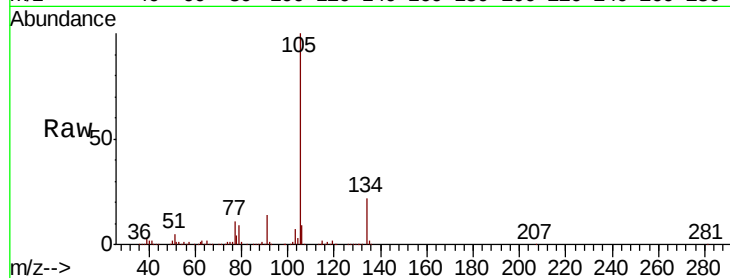




#85
 sec-Butylbenzene
 Concen: 48.236 ug/l
 RT: 12.30 min Scan# 1184
 Delta R.T. -0.00 min
 Lab File: VF062054.D
 Acq: 21 Mar 2019 11:48

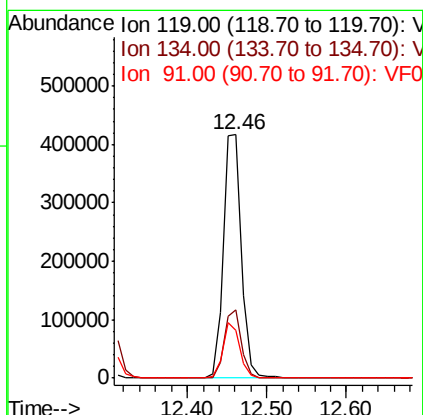
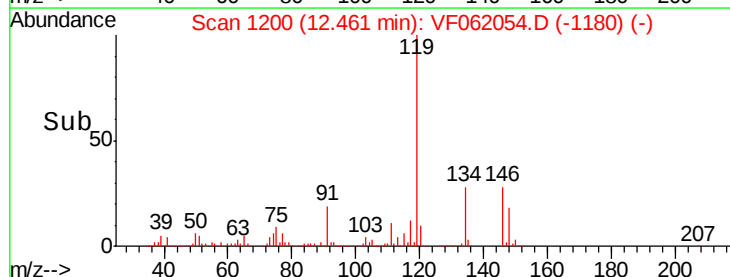
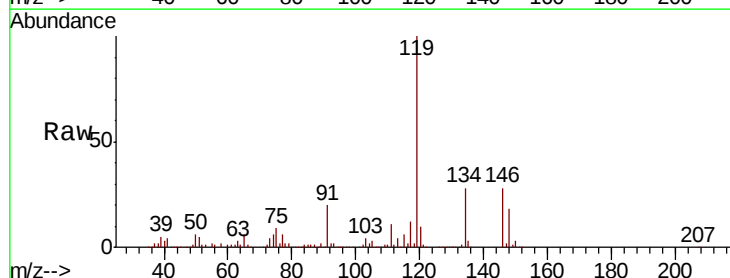
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

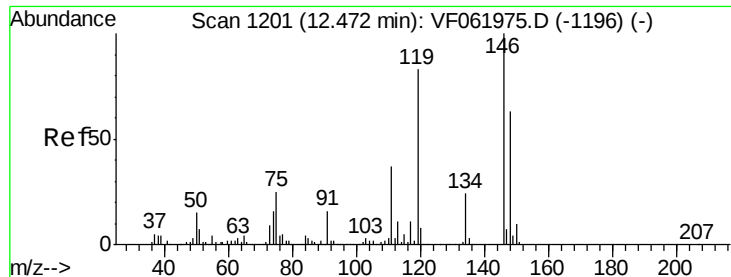
Tgt Ion:105 Resp: 760742
 Ion Ratio Lower Upper
 105 100
 134 21.7 10.0 29.8



#86
 p-Isopropyltoluene
 Concen: 50.908 ug/l
 RT: 12.46 min Scan# 1200
 Delta R.T. -0.00 min
 Lab File: VF062054.D
 Acq: 21 Mar 2019 11:48

Tgt Ion:119 Resp: 669954
 Ion Ratio Lower Upper
 119 100
 134 27.8 13.9 41.7
 91 19.6 10.4 31.1

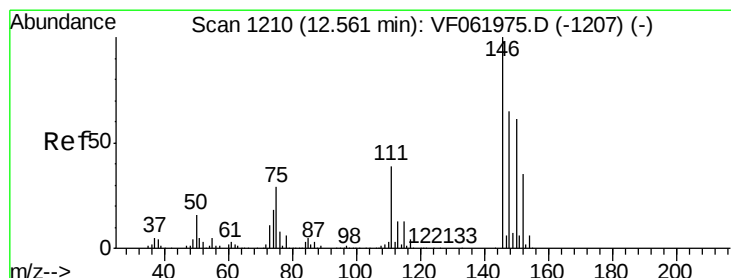
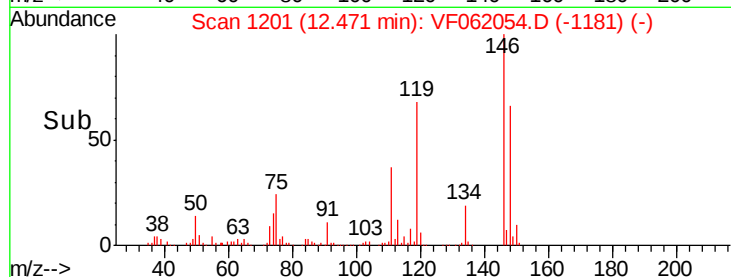
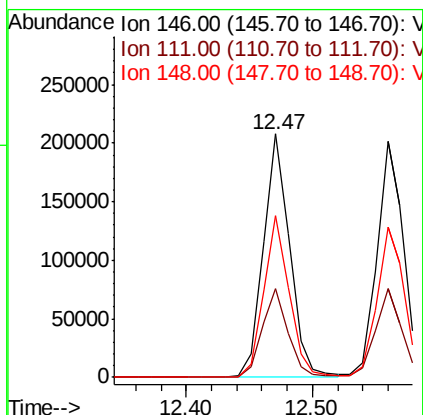
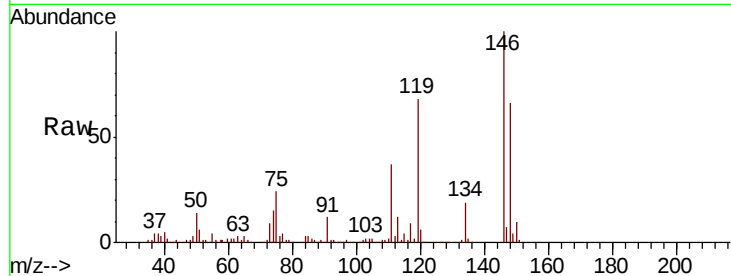




#87
 1,3-Dichlorobenzene
 Concen: 48.238 ug/l
 RT: 12.47 min Scan# 1201
 Delta R.T. -0.00 min
 Lab File: VF062054.D
 Acq: 21 Mar 2019 11:48

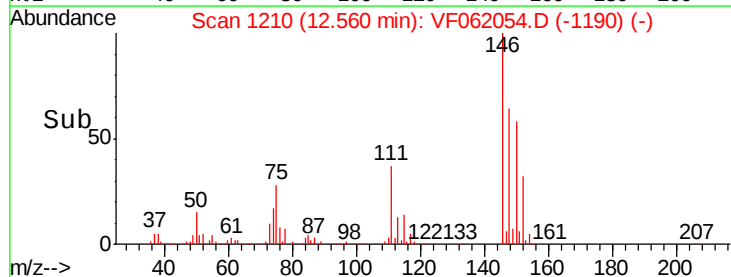
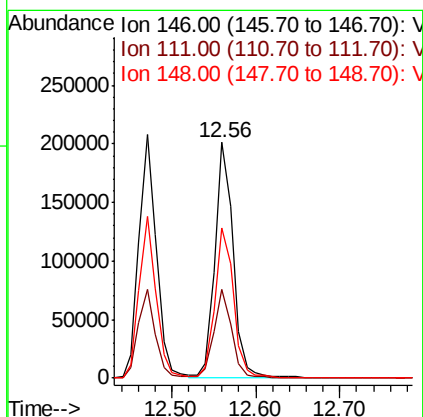
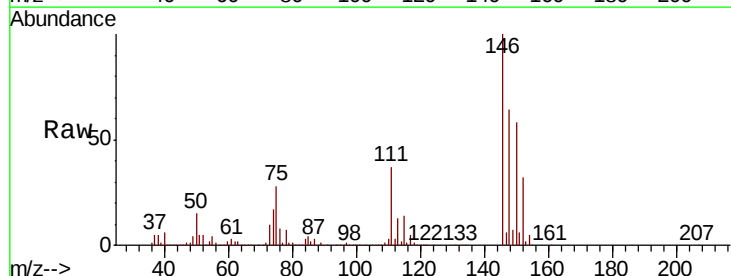
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

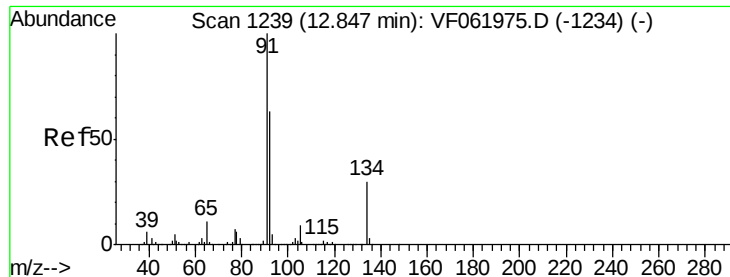
Tgt Ion:146 Resp: 303375
 Ion Ratio Lower Upper
 146 100
 111 36.6 18.6 55.8
 148 66.4 31.3 93.9



#88
 1,4-Dichlorobenzene
 Concen: 50.318 ug/l
 RT: 12.56 min Scan# 1210
 Delta R.T. -0.00 min
 Lab File: VF062054.D
 Acq: 21 Mar 2019 11:48

Tgt Ion:146 Resp: 304592
 Ion Ratio Lower Upper
 146 100
 111 37.4 19.4 58.1
 148 63.7 32.4 97.0





#89

n-Butylbenzene

Concen: 50.051 ug/l

RT: 12.85 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VF062054.D

Acq: 21 Mar 2019 11:48

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

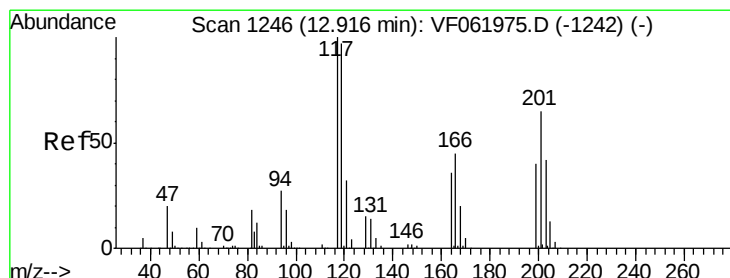
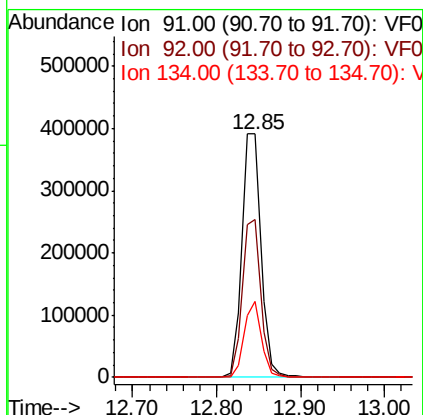
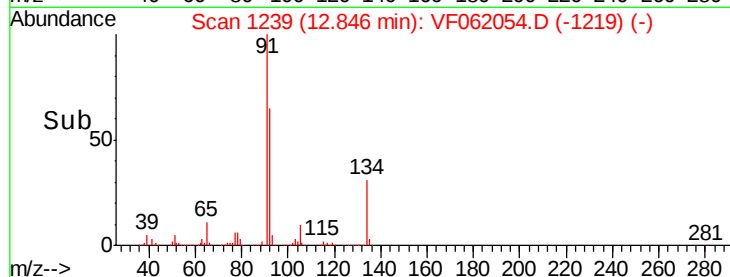
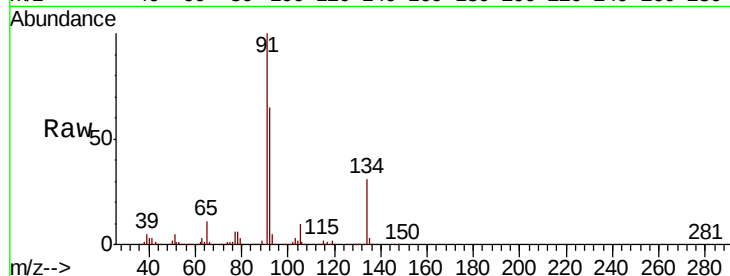
Tgt Ion: 91 Resp: 618939

Ion Ratio Lower Upper

91 100

92 64.6 31.7 95.1

134 31.5 15.1 45.3



#90

Hexachloroethane

Concen: 52.681 ug/l

RT: 12.91 min Scan# 1246

Delta R.T. -0.00 min

Lab File: VF062054.D

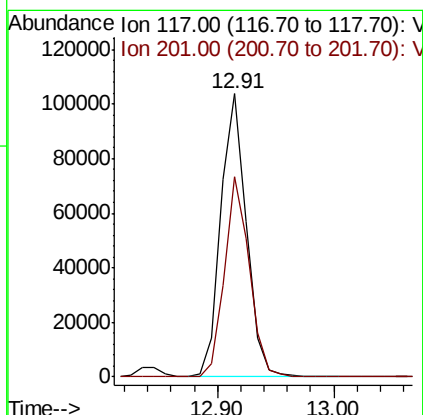
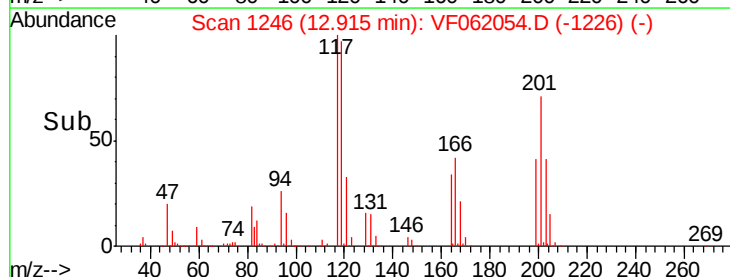
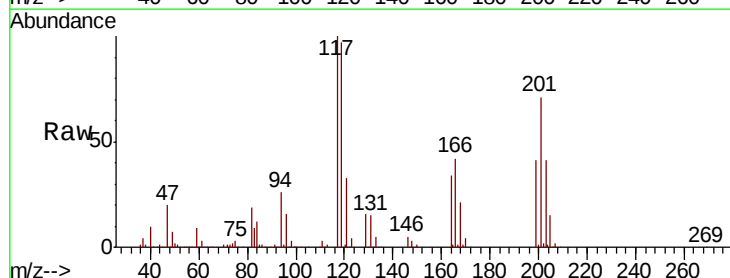
Acq: 21 Mar 2019 11:48

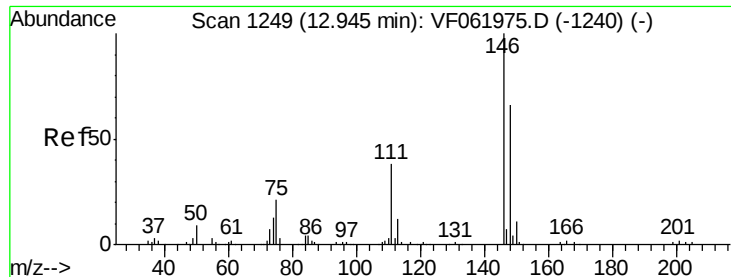
Tgt Ion: 117 Resp: 158215

Ion Ratio Lower Upper

117 100

201 70.5 32.5 97.5





#91

1,2-Dichlorobenzene

Concen: 49.493 ug/l

RT: 12.94 min Scan# 1249

Delta R.T. -0.00 min

Lab File: VF062054.D

Acq: 21 Mar 2019 11:48

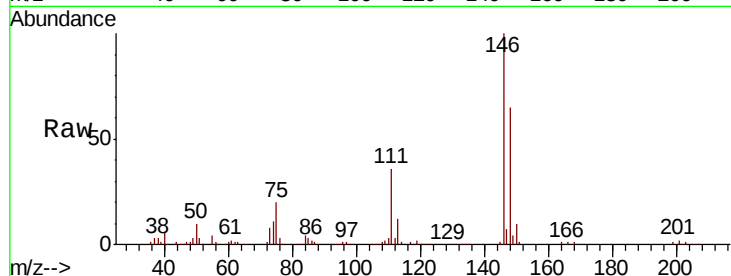
Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

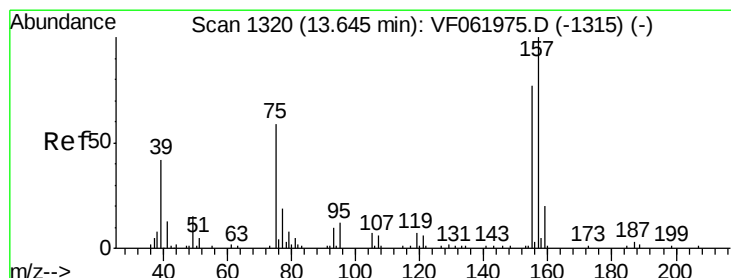
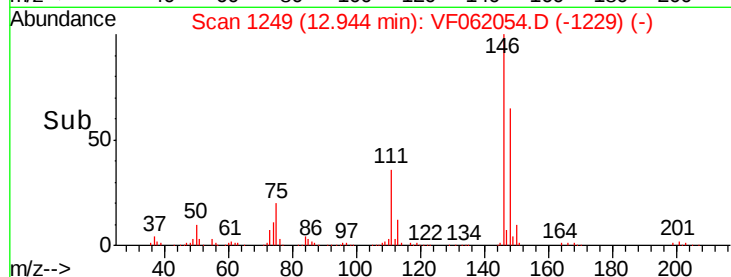
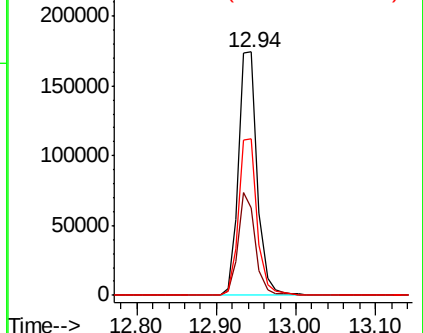
Tgt Ion:	146	Resp:	288295
Ion	Ratio	Lower	Upper
146	100		
111	35.8	18.9	56.5
148	64.6	32.9	98.6



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 51.760 ug/l

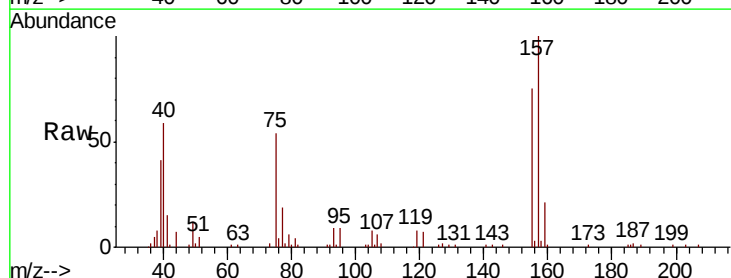
RT: 13.64 min Scan# 1320

Delta R.T. -0.00 min

Lab File: VF062054.D

Acq: 21 Mar 2019 11:48

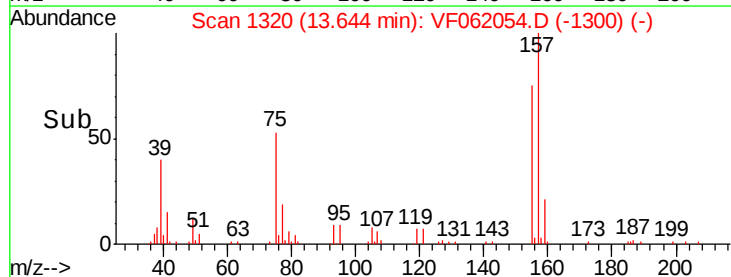
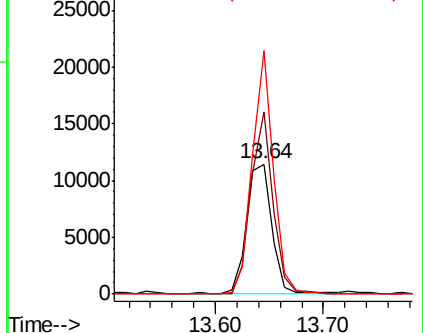
Tgt Ion:	75	Resp:	18944
Ion	Ratio	Lower	Upper
75	100		
155	139.8	65.0	195.1
157	186.9	84.7	254.0

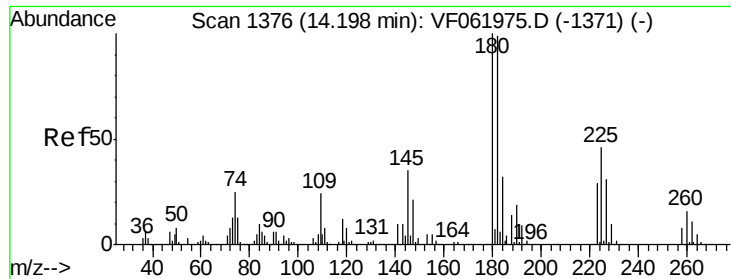


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

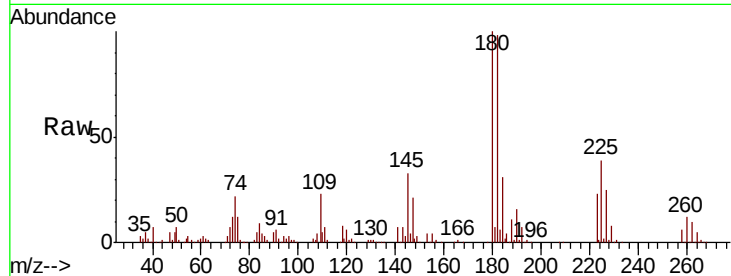




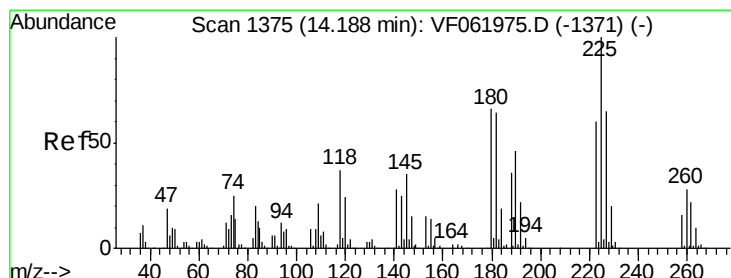
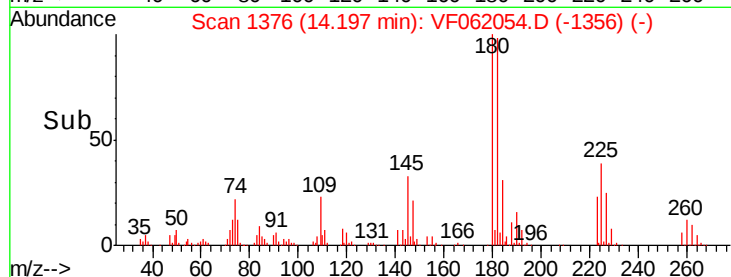
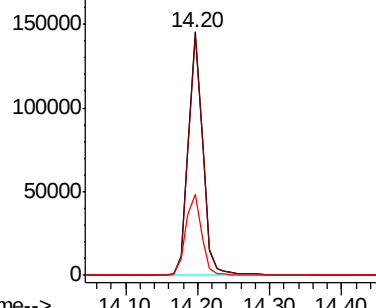
#93
 1,2,4-Trichlorobenzene
 Concen: 49.448 ug/l
 RT: 14.20 min Scan# 1376
 Delta R.T. -0.00 min
 Lab File: VF062054.D
 Acq: 21 Mar 2019 11:48

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tgt Ion:180 Resp: 200574
 Ion Ratio Lower Upper
 180 100
 182 98.5 49.6 149.0
 145 33.5 17.5 52.5

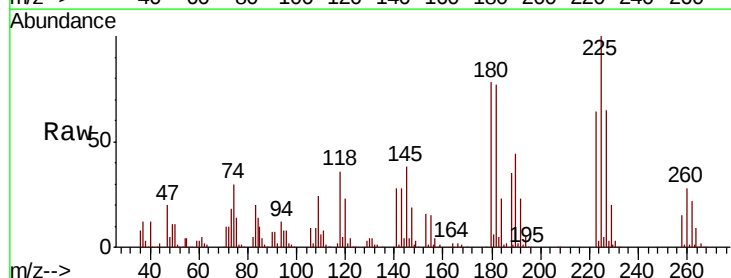


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

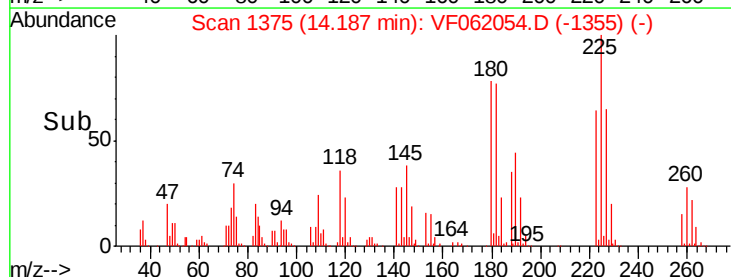
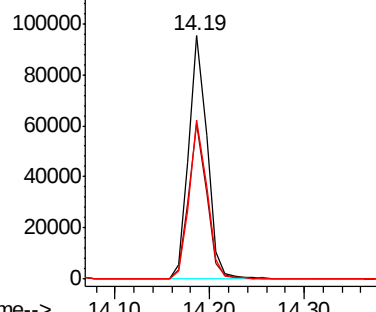


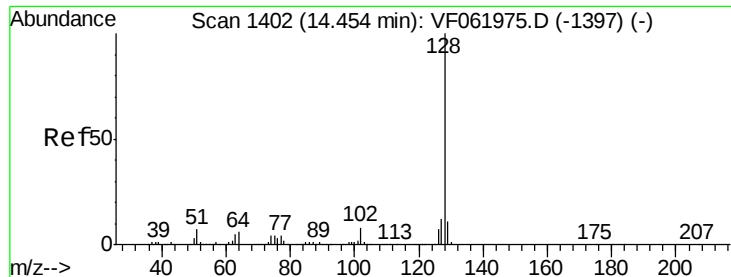
#94
 Hexachlorobutadiene
 Concen: 48.134 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. -0.00 min
 Lab File: VF062054.D
 Acq: 21 Mar 2019 11:48

Tgt Ion:225 Resp: 129618
 Ion Ratio Lower Upper
 225 100
 223 64.0 29.9 89.7
 227 65.3 32.4 97.2



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





#95

Naphthalene

Concen: 53.816 ug/l

RT: 14.45 min Scan# 1402

Delta R.T. -0.00 min

Lab File: VF062054.D

Acq: 21 Mar 2019 11:48

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

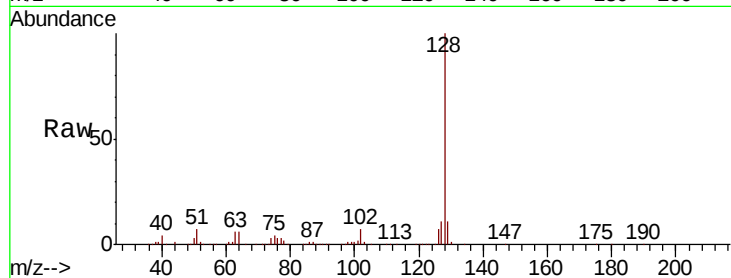
Tgt Ion:128 Resp: 392605

Ion Ratio Lower Upper

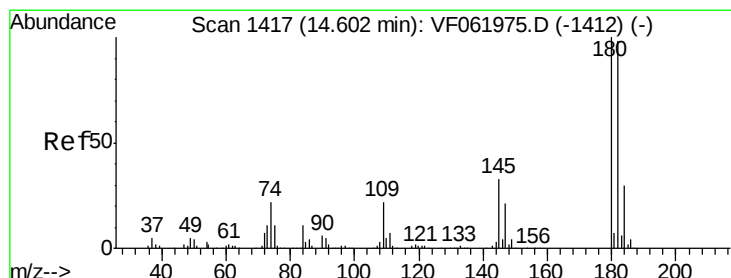
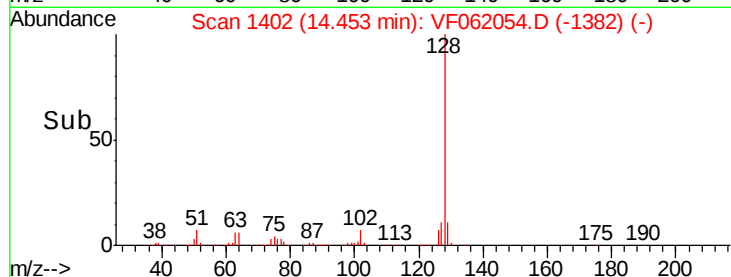
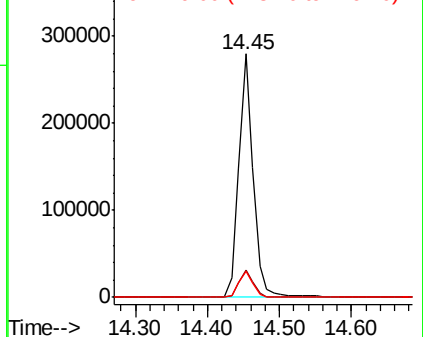
128 100

127 11.4 9.3 13.9

129 10.5 9.1 13.7



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 51.810 ug/l

RT: 14.60 min Scan# 1417

Delta R.T. -0.00 min

Lab File: VF062054.D

Acq: 21 Mar 2019 11:48

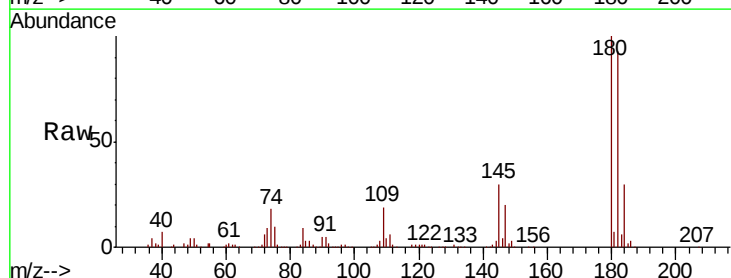
Tgt Ion:180 Resp: 193343

Ion Ratio Lower Upper

180 100

182 92.7 48.9 146.8

145 29.6 16.7 50.1



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

