

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF040419\
 Data File : VF062161.D
 Acq On : 4 Apr 2019 17:06
 Operator : FY/SY
 Sample : VSTDICCC050
 Misc : 5.00g/5mL/MSVOA_F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Quant Time: Apr 05 04:53:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F040419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 05 04:46:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.84	168	203312	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.57	114	321906	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.75	117	260836	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.54	152	132408	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.83	65	130674	78.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	156.04%	
35) Dibromofluoromethane	4.09	113	131584	59.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	118.56%	
50) Toluene-d8	7.53	98	391387	59.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	119.02%	
62) 4-Bromofluorobenzene	11.39	95	151649	59.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	118.44%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	0.96	85	140990	53.247	ug/l 100
3) Chloromethane	1.09	50	120450	45.019	ug/l 100
4) Vinyl Chloride	1.13	62	118810	47.671	ug/l 100
5) Bromomethane	1.34	94	91092	50.083	ug/l 100
6) Chloroethane	1.38	64	66538	52.064	ug/l 100
7) Trichlorofluoromethane	1.48	101	175702	56.440	ug/l 100
8) Diethyl Ether	1.62	74	33696	48.757	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	1.82	101	102972	49.797	ug/l 100
10) Methyl Iodide	1.89	142	146778	37.467	ug/l 100
11) Tert butyl alcohol	2.56	59	25803	300.030	ug/l 100
12) 1,1-Dichloroethene	1.78	96	97451	49.755	ug/l 100
13) Acrolein	1.99	56	28605	281.869	ug/l 100
14) Allyl chloride	2.09	41	134630	61.535	ug/l 100
15) Acrylonitrile	2.92	53	72680	248.110	ug/l 100
16) Acetone	2.23	43	132934	386.712	ug/l 100
17) Carbon Disulfide	1.83	76	312416	52.146	ug/l 100
18) Methyl Acetate	2.33	43	44087	55.717	ug/l 100
19) Methyl tert-butyl Ether	2.41	73	184566	57.703	ug/l 100
20) Methylene Chloride	2.17	84	42243	19.022	ug/l 100
21) trans-1,2-Dichloroethene	2.29	96	100791	53.036	ug/l 100
22) Diisopropyl ether	2.79	45	306283	54.519	ug/l 100
23) Vinyl Acetate	3.17	43	718129	306.071	ug/l 100
24) 1,1-Dichloroethane	2.86	63	182503	54.234	ug/l 100
25) 2-Butanone	4.31	43	199358	293.319	ug/l 100
26) 2,2-Dichloropropane	3.58	77	96392	67.601	ug/l 100
27) cis-1,2-Dichloroethene	3.46	96	124782	49.653	ug/l 100
28) Bromochloromethane	3.69	49	91608	64.852	ug/l 100
29) Tetrahydrofuran	4.05	42	78266	265.771	ug/l 100
30) Chloroform	3.83	83	216301	59.568	ug/l 100
31) Cyclohexane	3.66	56	170236	49.463	ug/l 100
32) 1,1,1-Trichloroethane	4.07	97	166229	71.548	ug/l 100
36) 1,1-Dichloropropene	4.25	75	177218	56.522	ug/l 100
37) Ethyl Acetate	4.09	43	72704	53.394	ug/l 100
38) Carbon Tetrachloride	3.96	117	135851	62.264	ug/l 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.43	83	170443	48.935	ug/l	100
40) Benzene	4.61	78	389155	47.971	ug/l	100
41) Methacrylonitrile	4.71	41	40886	56.487	ug/l	100
42) 1,2-Dichloroethane	4.91	62	141179	67.910	ug/l	100
43) Isopropyl Acetate	6.93	43	81643	50.370	ug/l	100
44) Trichloroethene	5.49	130	121527	48.862	ug/l	100
45) 1,2-Dichloropropane	6.20	63	96669	49.583	ug/l	100
46) Dibromomethane	6.07	93	63848	52.919	ug/l	100
47) Bromodichloromethane	6.36	83	166573	60.370	ug/l	100
48) Methyl methacrylate	6.70	41	63164	64.718	ug/l	100
49) 1,4-Dioxane	6.69	88	8056	1020.056	ug/l	100
51) 4-Methyl-2-Pentanone	8.23	43	311172	280.244	ug/l	100
52) Toluene	7.60	92	249137	52.073	ug/l	100
53) t-1,3-Dichloropropene	8.25	75	135178	61.888	ug/l	100
54) cis-1,3-Dichloropropene	7.28	75	165294	54.682	ug/l	100
55) 1,1,2-Trichloroethane	8.47	97	68864	51.259	ug/l	100
56) Ethyl methacrylate	8.60	69	92128	56.366	ug/l	100
57) 1,3-Dichloropropane	8.83	76	115217	51.703	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.27	63	68050	277.252	ug/l	100
59) 2-Hexanone	9.46	43	240095	297.042	ug/l	100
60) Dibromochloromethane	8.70	129	103654	54.763	ug/l	100
61) 1,2-Dibromoethane	8.96	107	75293	52.589	ug/l	100
64) Tetrachloroethene	8.13	164	99249	49.404	ug/l	100
65) Chlorobenzene	9.77	112	261076	53.014	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.91	131	114747	57.097	ug/l	100
67) Ethyl Benzene	9.88	91	507403	57.920	ug/l	100
68) m/p-Xylenes	10.10	106	368186	112.948	ug/l	100
69) o-Xylene	10.69	106	183056	54.823	ug/l	100
70) Styrene	10.76	104	278804	54.086	ug/l	100
71) Bromoform	10.75	173	59015	57.192	ug/l	100
73) Isopropylbenzene	11.11	105	525355	55.499	ug/l	100
74) N-amyl acetate	11.35	43	140576	61.209	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.68	83	81721	51.367	ug/l	100
76) 1,2,3-Trichloropropane	11.78	75	65476	56.546	ug/l	100
77) Bromobenzene	11.47	156	114349	50.130	ug/l	100
78) n-propylbenzene	11.57	91	639402	57.460	ug/l	100
79) 2-Chlorotoluene	11.70	91	357394	57.945	ug/l	100
80) 1,3,5-Trimethylbenzene	11.81	105	473864	59.874	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.85	75	41965	88.335	ug/l	100
82) 4-Chlorotoluene	11.88	91	378695	59.148	ug/l	100
83) tert-Butylbenzene	12.11	119	475360	57.912	ug/l	100
84) 1,2,4-Trimethylbenzene	12.19	105	451500	58.330	ug/l	100
85) sec-Butylbenzene	12.29	105	590294	55.822	ug/l	100
86) p-Isopropyltoluene	12.45	119	543653	58.335	ug/l	100
87) 1,3-Dichlorobenzene	12.46	146	230735	53.602	ug/l	100
88) 1,4-Dichlorobenzene	12.55	146	219994	53.043	ug/l	100
89) n-Butylbenzene	12.83	91	520638	58.895	ug/l	100
90) Hexachloroethane	12.90	117	123898	56.945	ug/l	100
91) 1,2-Dichlorobenzene	12.92	146	207323	51.993	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.63	75	16288	64.354	ug/l	100

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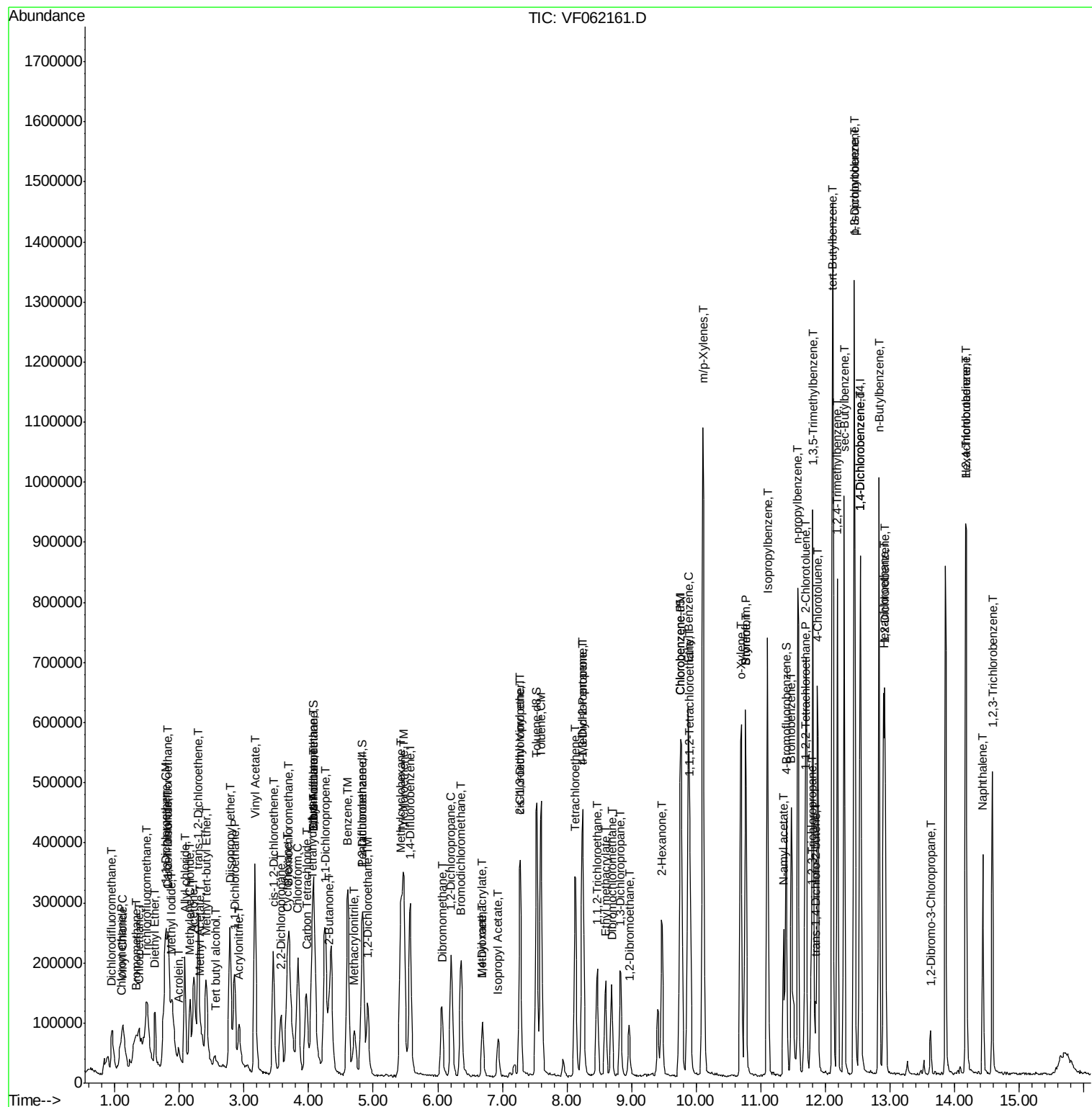
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.18	180	148390	52.833	ug/l	100
94) Hexachlorobutadiene	14.17	225	99231	53.486	ug/l	100
95) Naphthalene	14.44	128	248783	51.772	ug/l	100
96) 1,2,3-Trichlorobenzene	14.58	180	129295	50.205	ug/l	100

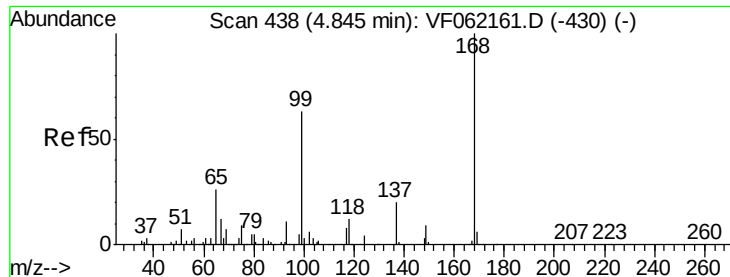
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.84 min Scan# 438

Delta R.T. 0.00 min

Lab File: VF062161.D

Acq: 4 Apr 2019 17:06

Instrument :

MSVOA_F

ClientSampleId :

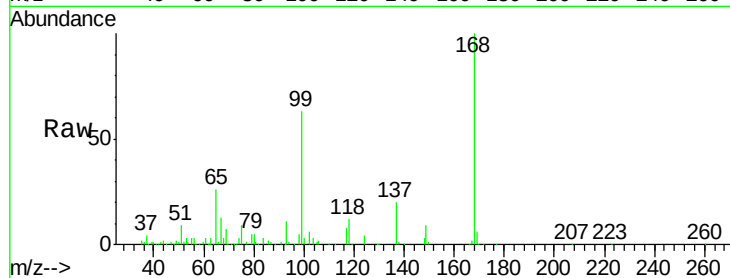
VSTDICCC050

Tgt Ion:168 Resp: 203312

Ion Ratio Lower Upper

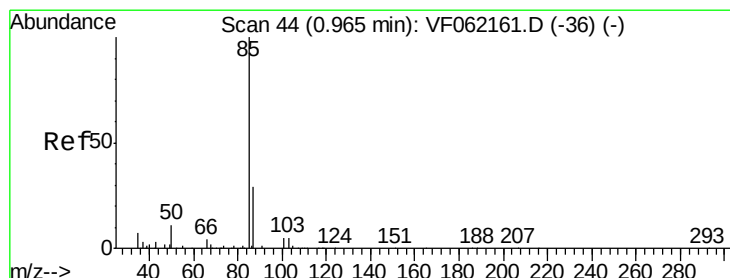
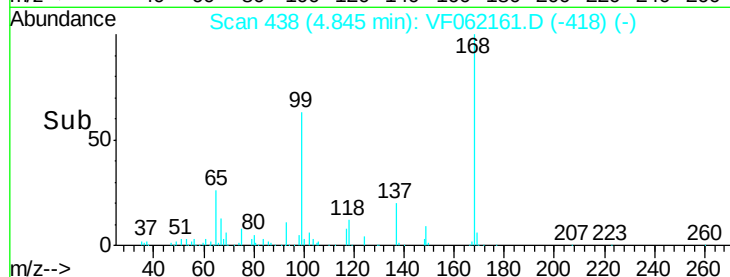
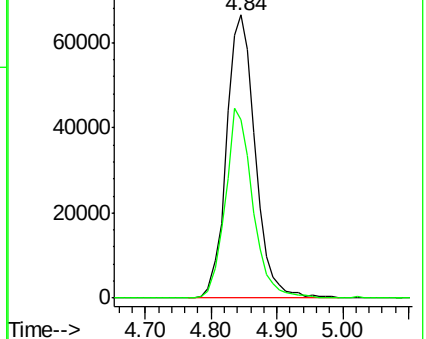
168 100

99 63.1 50.5 75.7



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 53.247 ug/l

RT: 0.96 min Scan# 44

Delta R.T. 0.00 min

Lab File: VF062161.D

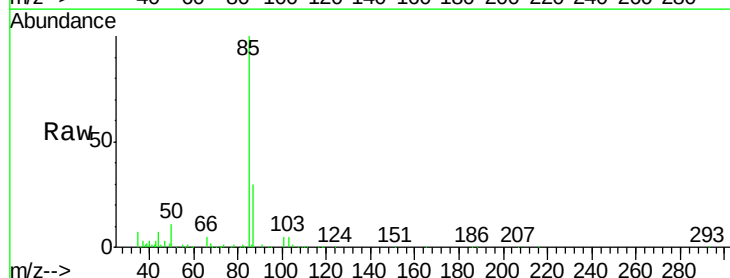
Acq: 4 Apr 2019 17:06

Tgt Ion: 85 Resp: 140990

Ion Ratio Lower Upper

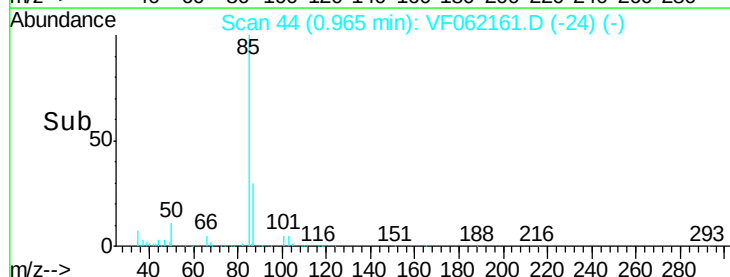
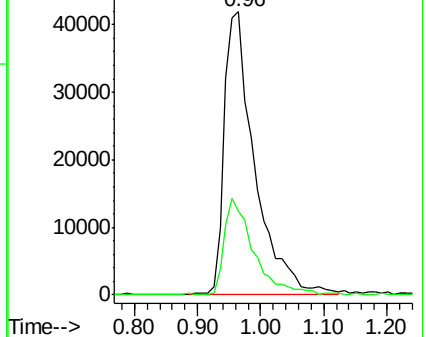
85 100

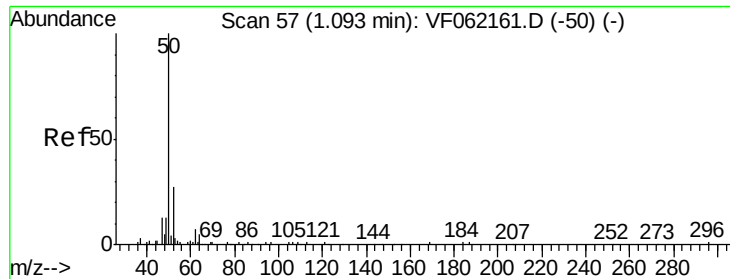
87 29.7 14.9 44.5



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 45.019 ug/l

RT: 1.09 min Scan# 57

Delta R.T. 0.00 min

Lab File: VF062161.D

Acq: 4 Apr 2019 17:06

Instrument :

MSVOA_F

ClientSampleId :

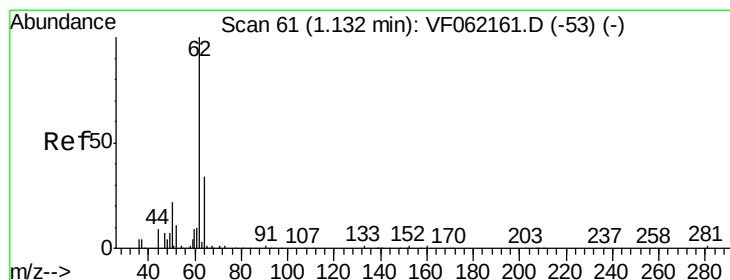
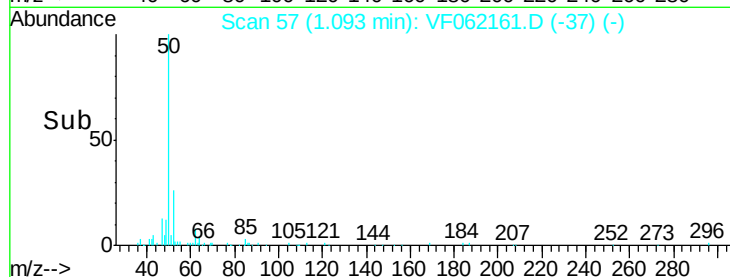
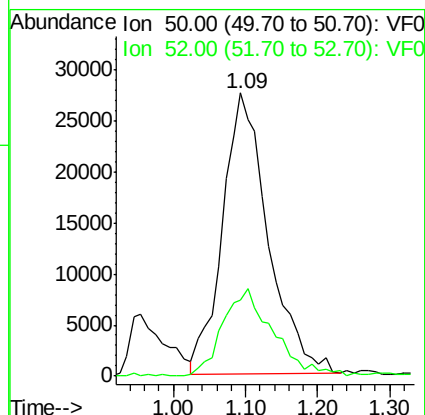
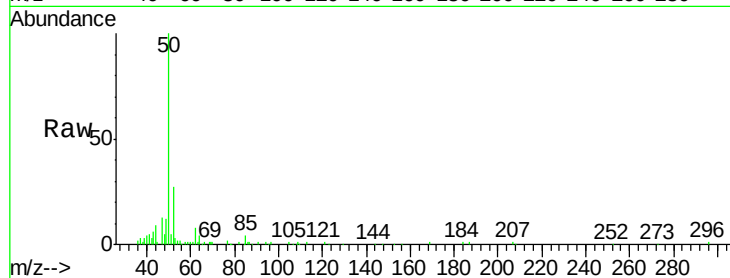
VSTDICCC050

Tgt Ion: 50 Resp: 120450

Ion Ratio Lower Upper

50 100

52 26.7 21.4 32.0



#4

Vinyl Chloride

Concen: 47.671 ug/l

RT: 1.13 min Scan# 61

Delta R.T. 0.00 min

Lab File: VF062161.D

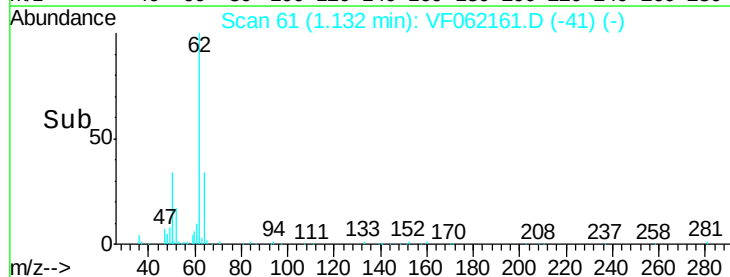
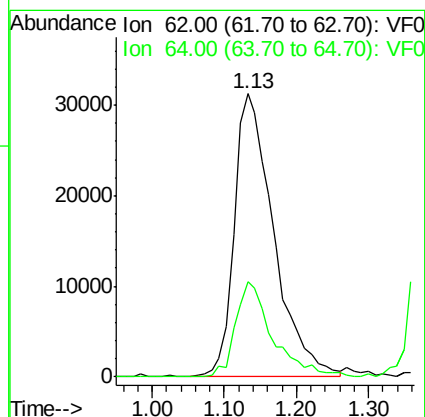
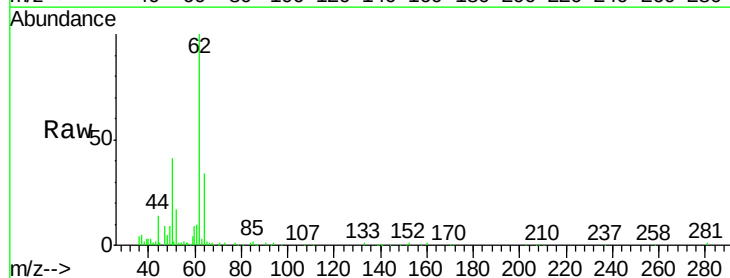
Acq: 4 Apr 2019 17:06

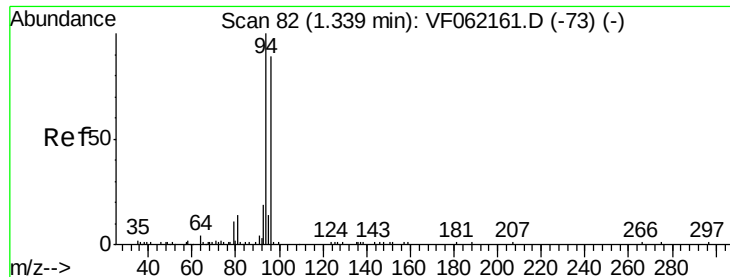
Tgt Ion: 62 Resp: 118810

Ion Ratio Lower Upper

62 100

64 33.7 27.0 40.4





#5

Bromomethane

Concen: 50.083 ug/l

RT: 1.34 min Scan# 82

Delta R.T. 0.00 min

Lab File: VF062161.D

Acq: 4 Apr 2019 17:06

Instrument :

MSVOA_F

ClientSampleId :

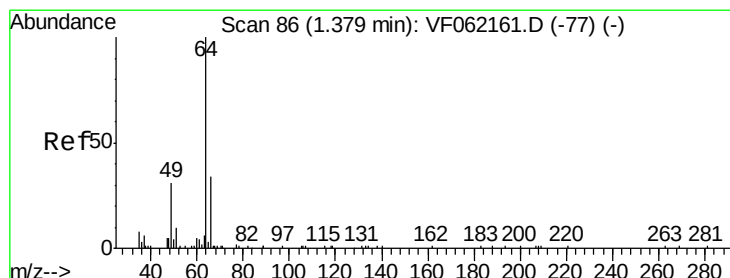
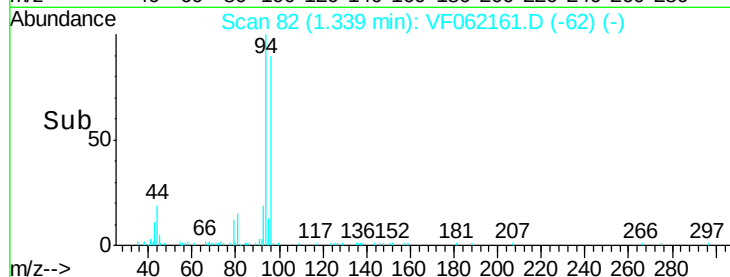
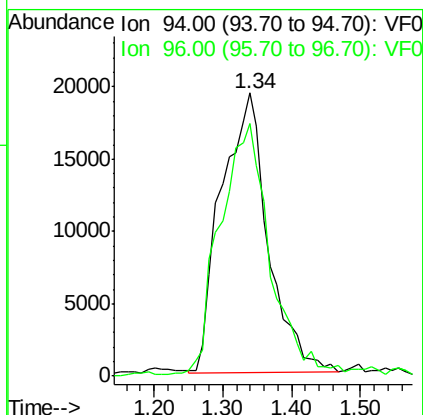
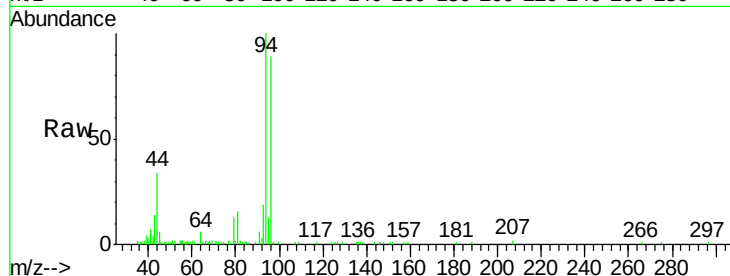
VSTDICCC050

Tgt Ion: 94 Resp: 91092

Ion Ratio Lower Upper

94 100

96 89.1 71.3 106.9



#6

Chloroethane

Concen: 52.064 ug/l

RT: 1.38 min Scan# 86

Delta R.T. 0.00 min

Lab File: VF062161.D

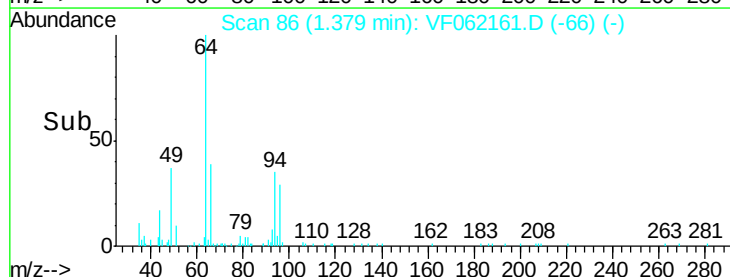
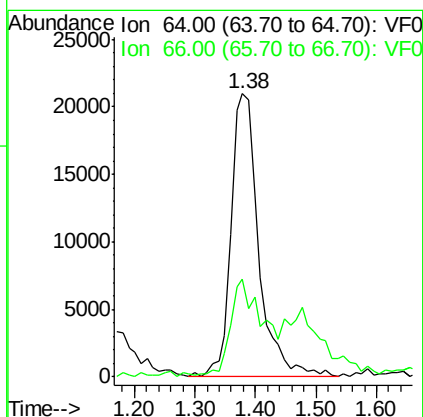
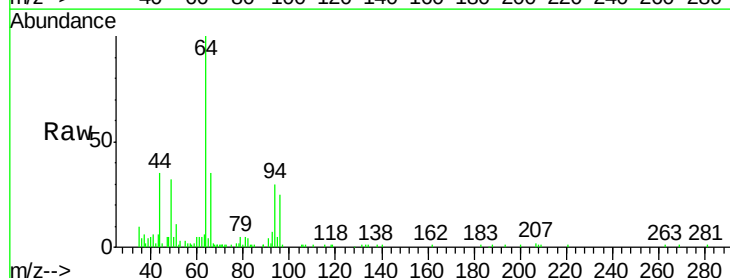
Acq: 4 Apr 2019 17:06

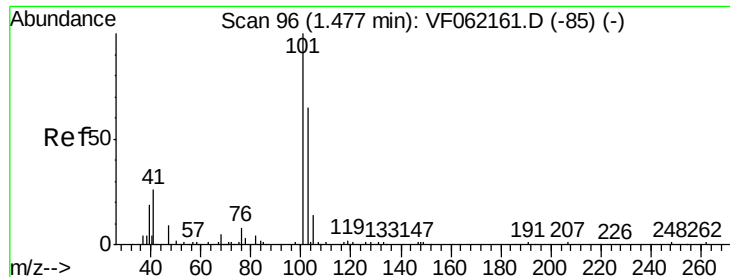
Tgt Ion: 64 Resp: 66538

Ion Ratio Lower Upper

64 100

66 34.7 27.8 41.6





#7

Trichlorofluoromethane

Concen: 56.440 ug/l

RT: 1.48 min Scan# 96

Delta R.T. 0.00 min

Lab File: VF062161.D

Acq: 4 Apr 2019 17:06

Instrument :

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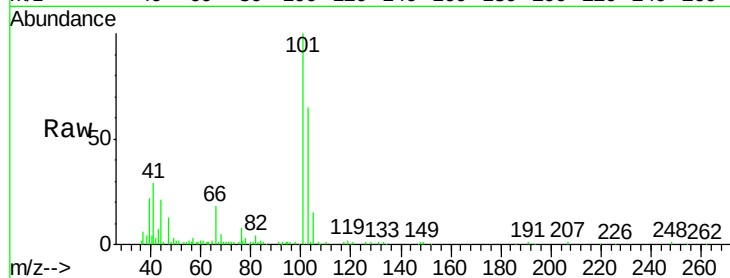
VSTDICCC050

Tgt Ion:101 Resp: 175702

Ion Ratio Lower Upper

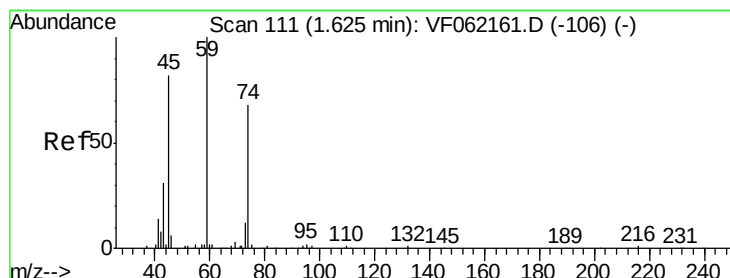
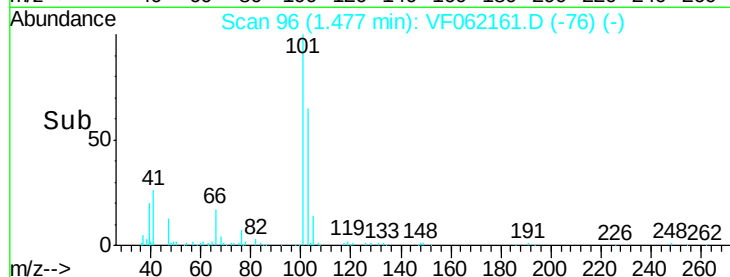
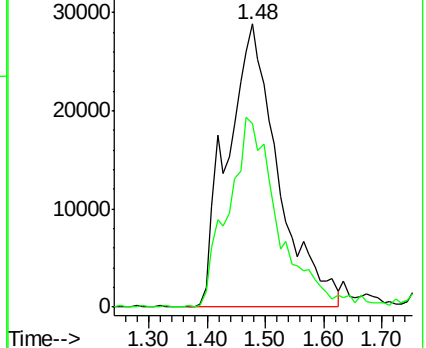
101 100

103 65.0 52.0 78.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 48.757 ug/l

RT: 1.62 min Scan# 111

Delta R.T. 0.00 min

Lab File: VF062161.D

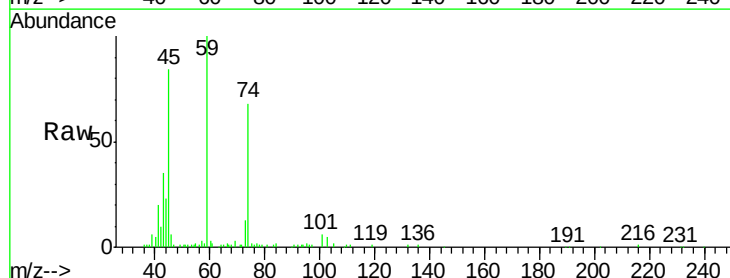
Acq: 4 Apr 2019 17:06

Tgt Ion: 74 Resp: 33696

Ion Ratio Lower Upper

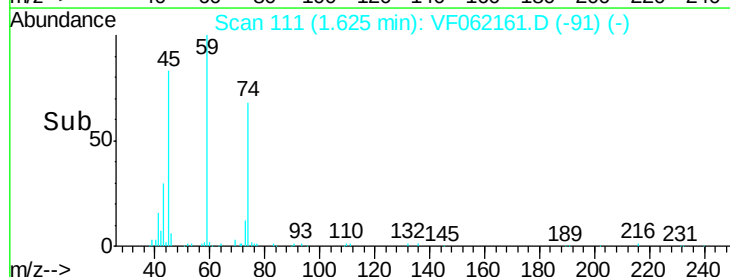
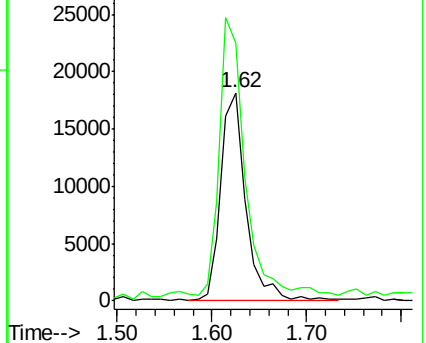
74 100

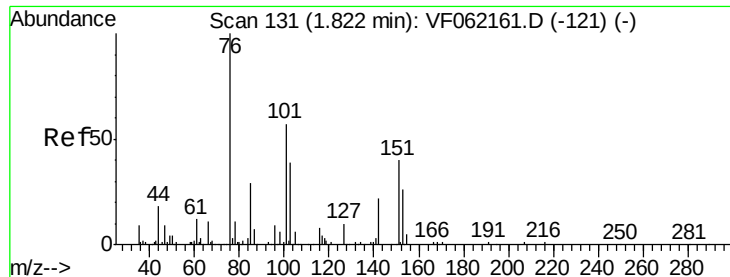
45 123.7 61.9 185.6



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: 49.797 ug/l

RT: 1.82 min Scan# 131

Delta R.T. 0.00 min

Lab File: VF062161.D

Acq: 4 Apr 2019 17:06

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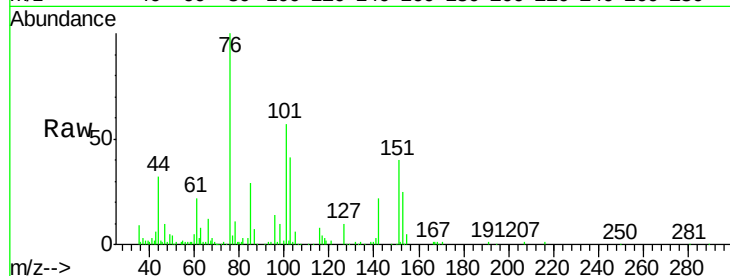
Tgt Ion:101 Resp: 102972

Ion Ratio Lower Upper

101 100

85 51.3 41.0 61.6

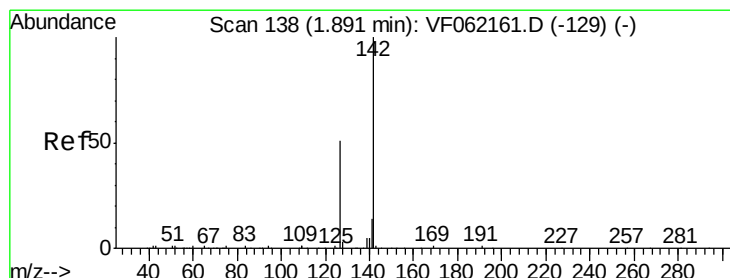
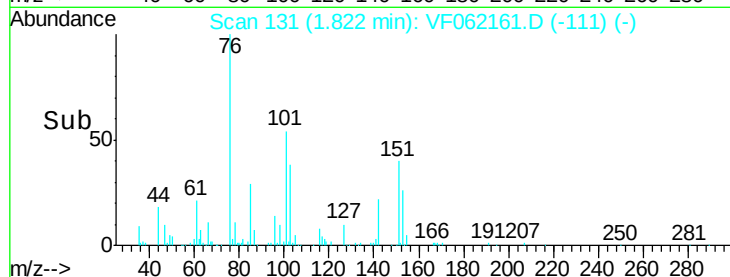
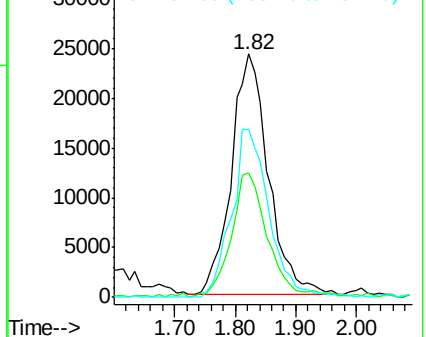
151 70.6 56.5 84.7



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: 37.467 ug/l

RT: 1.89 min Scan# 138

Delta R.T. 0.00 min

Lab File: VF062161.D

Acq: 4 Apr 2019 17:06

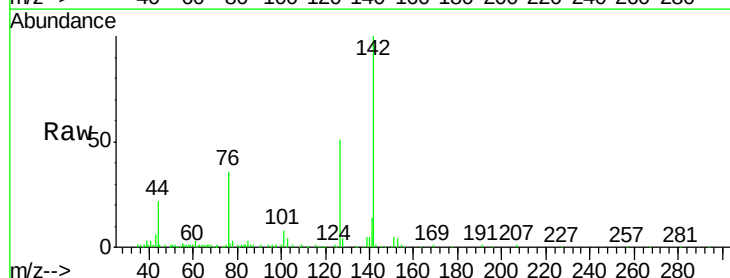
Tgt Ion:142 Resp: 146778

Ion Ratio Lower Upper

142 100

127 50.9 40.7 61.1

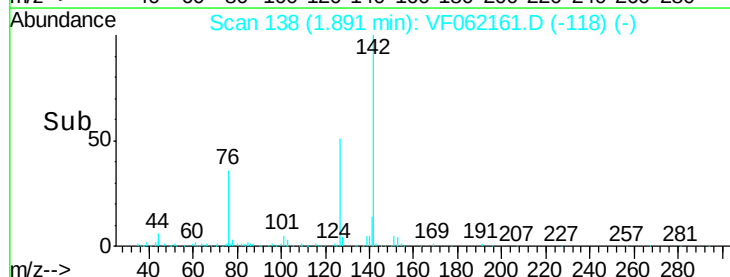
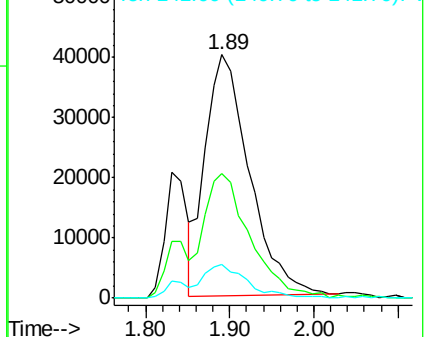
141 13.9 11.1 16.7

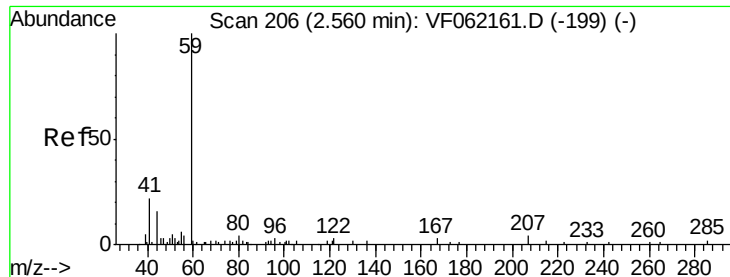


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



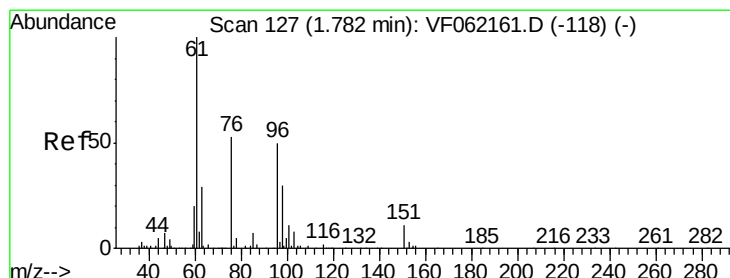
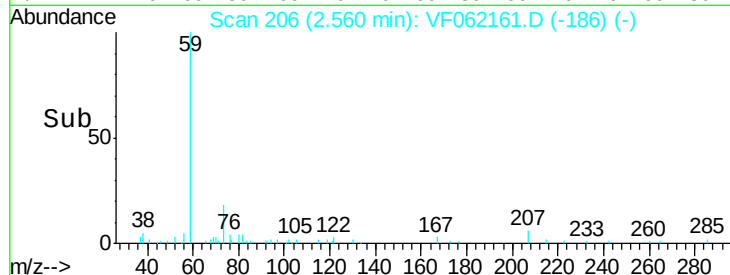
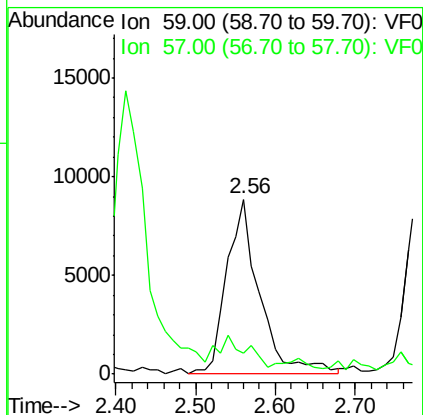
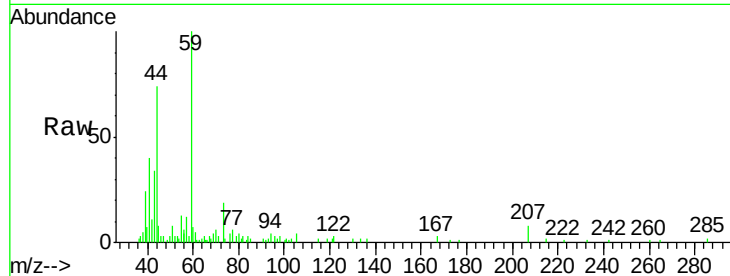


#11

Tert butyl alcohol
Concen: 300.030 ug/l
RT: 2.56 min Scan# 206
Delta R.T. 0.00 min
Lab File: VF062161.D
Acq: 4 Apr 2019 17:06

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

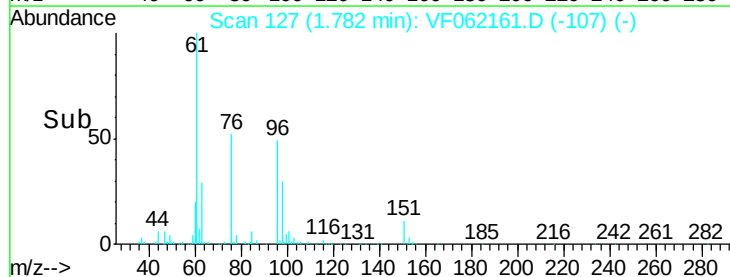
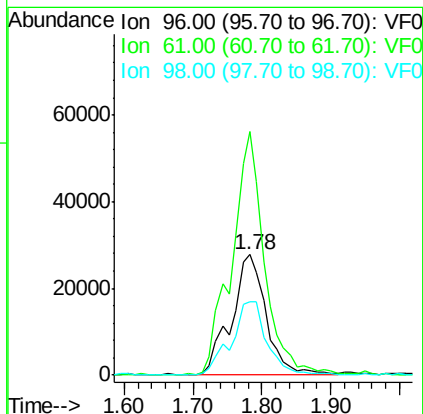
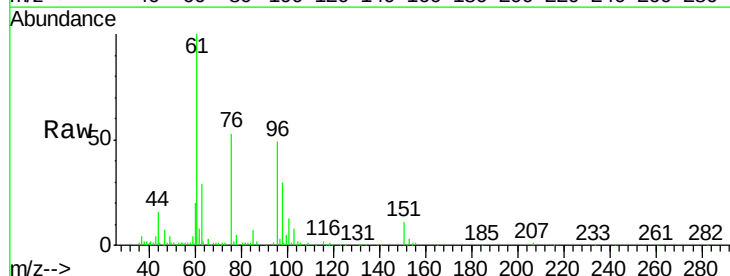
Tgt Ion: 59 Resp: 25803
Ion Ratio Lower Upper
59 100
57 11.9 9.5 14.3

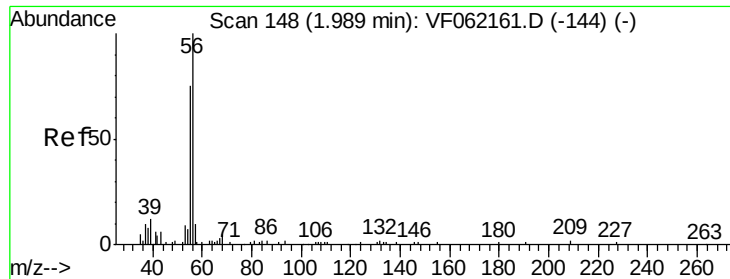


#12

1,1-Dichloroethene
Concen: 49.755 ug/l
RT: 1.78 min Scan# 127
Delta R.T. 0.00 min
Lab File: VF062161.D
Acq: 4 Apr 2019 17:06

Tgt Ion: 96 Resp: 97451
Ion Ratio Lower Upper
96 100
61 202.2 161.8 242.6
98 61.5 49.2 73.8

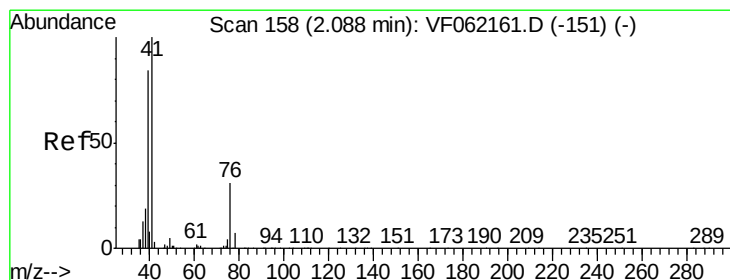
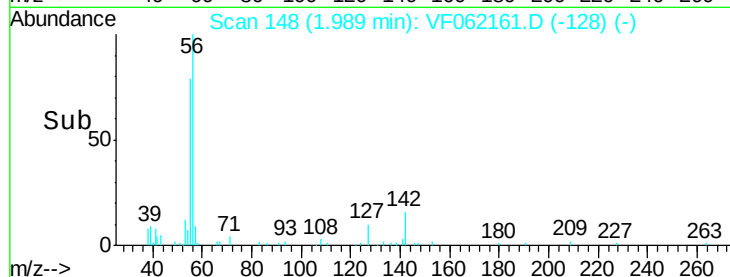
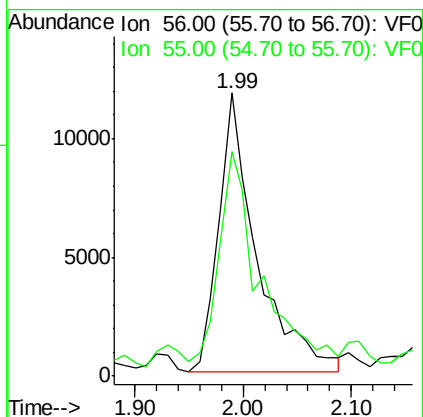
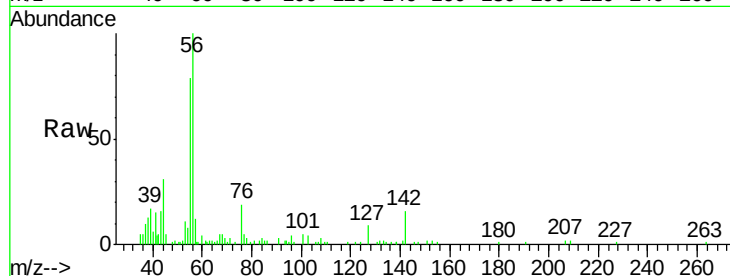




#13
Acrolein
Concen: 281.869 ug/l
RT: 1.99 min Scan# 148
Delta R.T. 0.00 min
Lab File: VF062161.D
Acq: 4 Apr 2019 17:06

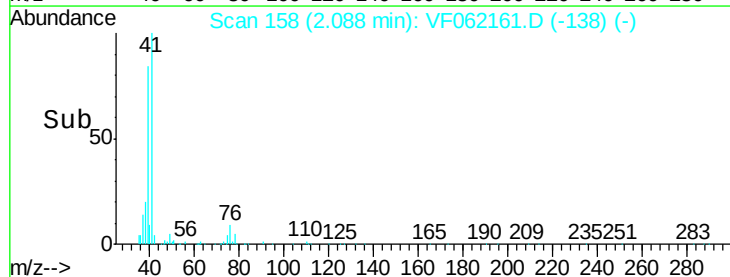
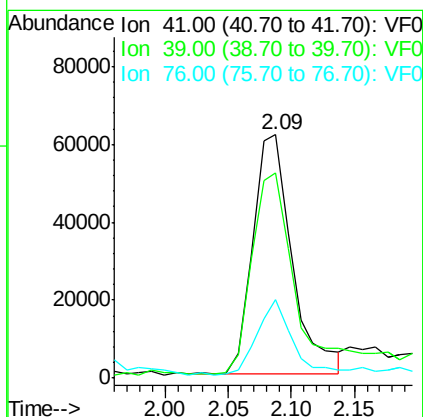
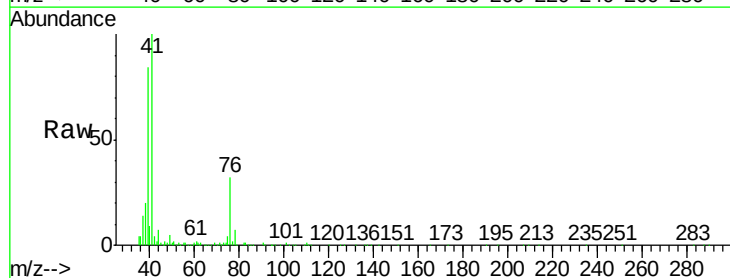
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

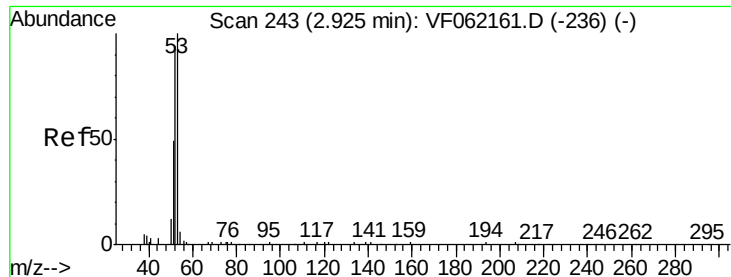
Tgt Ion: 56 Resp: 28605
Ion Ratio Lower Upper
56 100
55 79.4 63.5 95.3



#14
Allyl chloride
Concen: 61.535 ug/l
RT: 2.09 min Scan# 158
Delta R.T. 0.00 min
Lab File: VF062161.D
Acq: 4 Apr 2019 17:06

Tgt Ion: 41 Resp: 134630
Ion Ratio Lower Upper
41 100
39 84.5 67.6 101.4
76 32.1 25.7 38.5





#15

Acrylonitrile

Concen: 248.110 ug/l

RT: 2.92 min Scan# 243

Delta R.T. 0.00 min

Lab File: VF062161.D

Acq: 4 Apr 2019 17:06

Instrument :

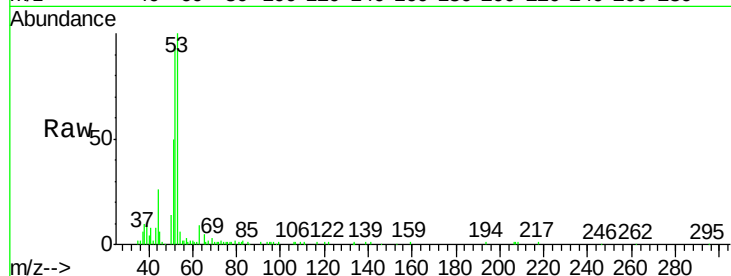
MSVOA_F

ClientSampleId :

VSTDICCC050

Tgt Ion: 53 Resp: 72680

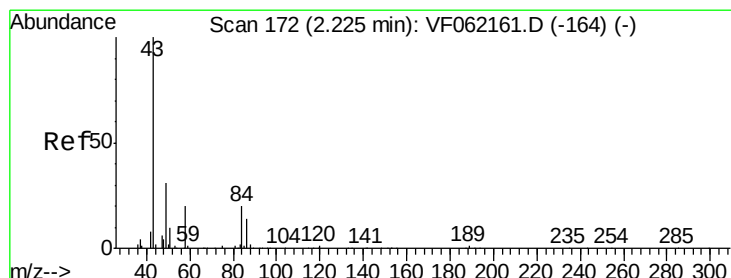
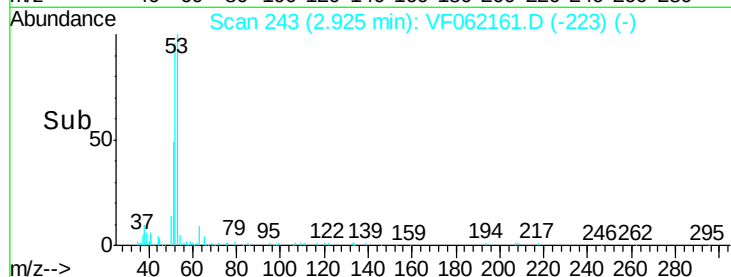
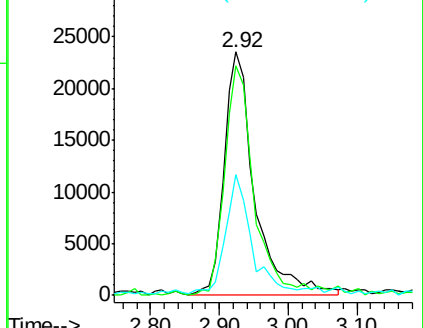
Ion	Ratio	Lower	Upper
53	100		
52	94.4	75.5	113.3
51	49.6	39.7	59.5



Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 386.712 ug/l

RT: 2.23 min Scan# 172

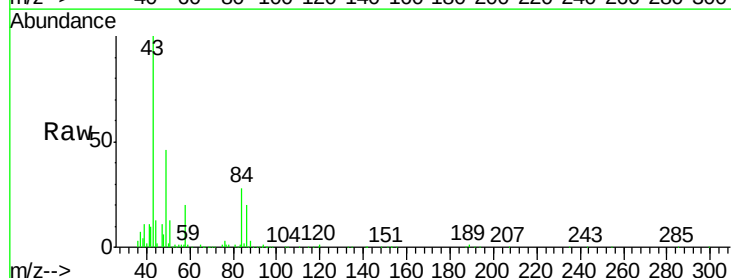
Delta R.T. 0.00 min

Lab File: VF062161.D

Acq: 4 Apr 2019 17:06

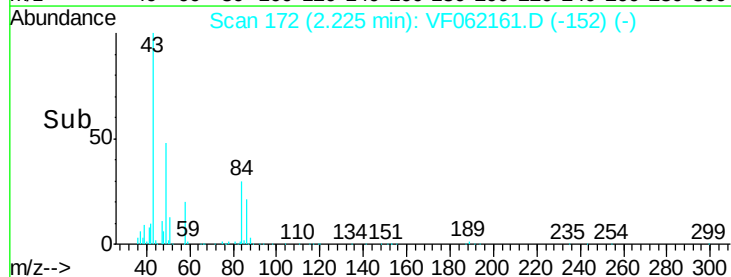
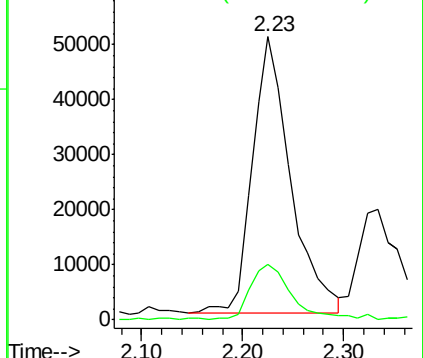
Tgt Ion: 43 Resp: 132934

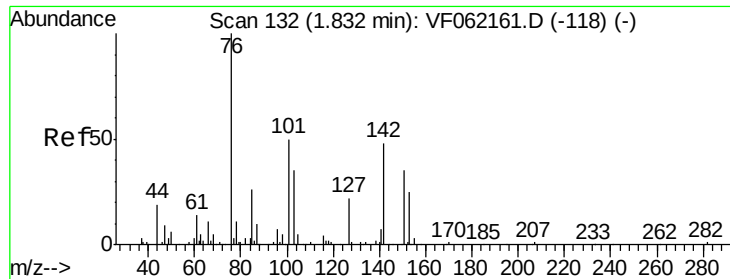
Ion	Ratio	Lower	Upper
43	100		
58	19.6	15.7	23.5



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#17

Carbon Disulfide

Concen: 52.146 ug/l

RT: 1.83 min Scan# 132

Delta R.T. 0.00 min

Lab File: VF062161.D

Acq: 4 Apr 2019 17:06

Instrument :

MSVOA_F

ClientSampleId :

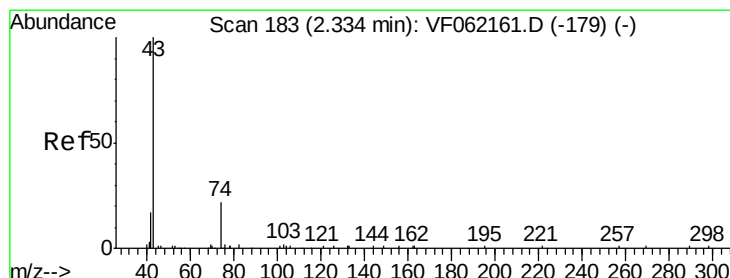
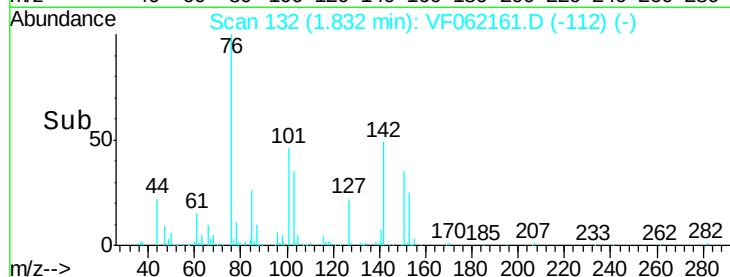
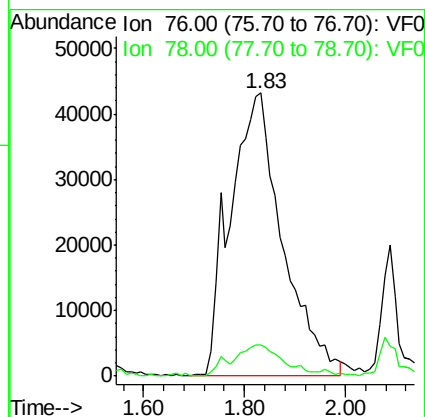
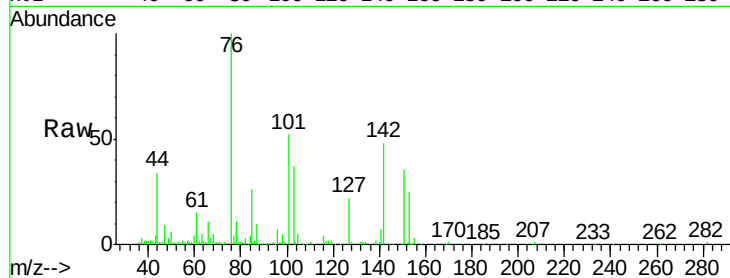
VSTDICCC050

Tgt Ion: 76 Resp: 312416

Ion Ratio Lower Upper

76 100

78 10.8 8.6 13.0



#18

Methyl Acetate

Concen: 55.717 ug/l

RT: 2.33 min Scan# 183

Delta R.T. 0.00 min

Lab File: VF062161.D

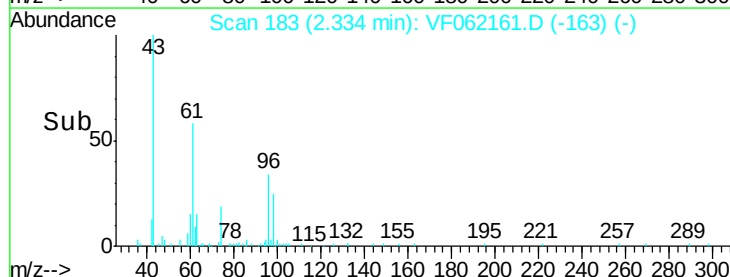
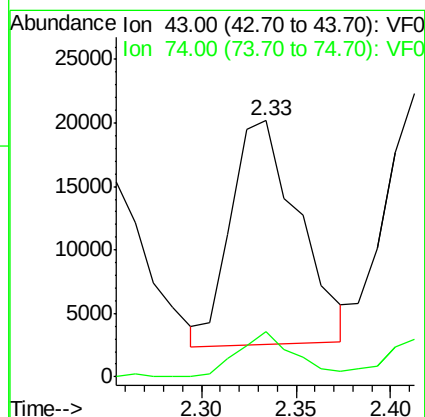
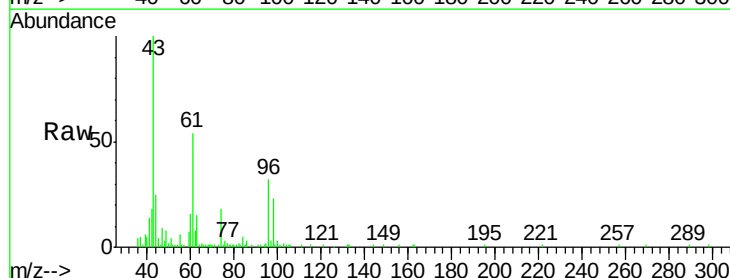
Acq: 4 Apr 2019 17:06

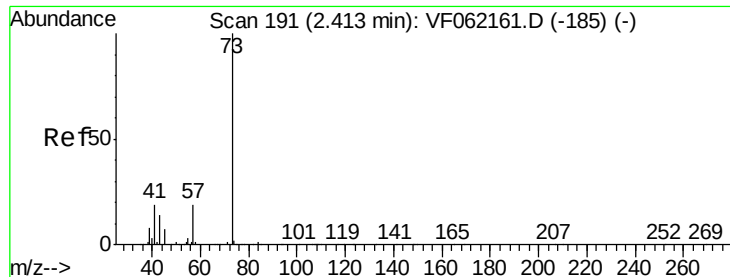
Tgt Ion: 43 Resp: 44087

Ion Ratio Lower Upper

43 100

74 17.9 14.3 21.5



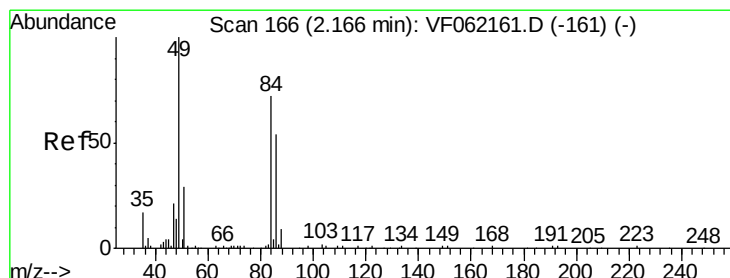
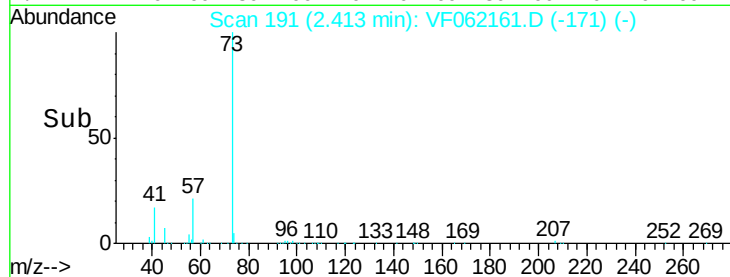
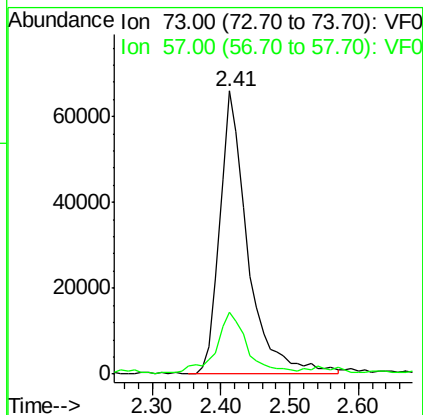
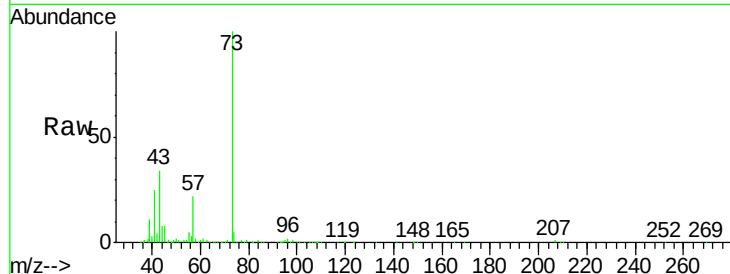


#19

Methyl tert-butyl Ether
 Concen: 57.703 ug/l
 RT: 2.41 min Scan# 191
 Delta R.T. 0.00 min
 Lab File: VF062161.D
 Acq: 4 Apr 2019 17:06

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

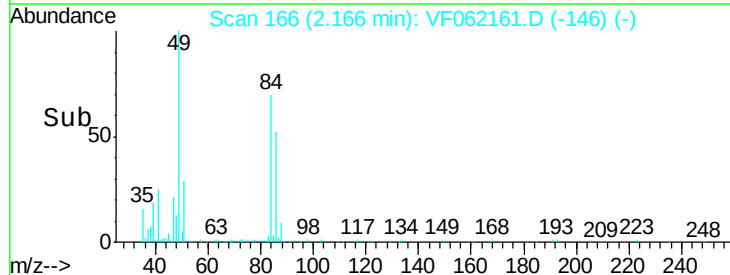
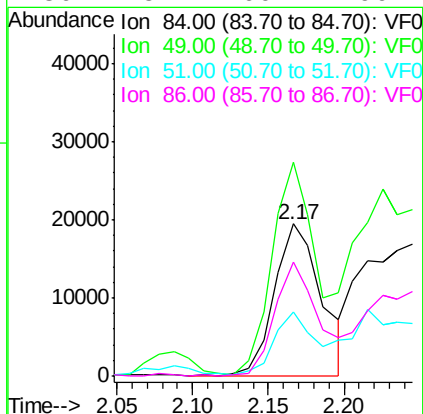
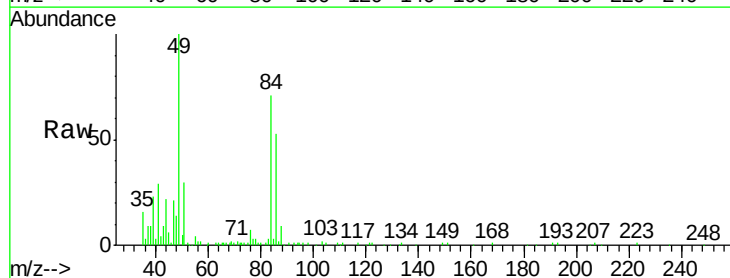
Tgt Ion: 73 Resp: 184566
 Ion Ratio Lower Upper
 73 100
 57 21.7 17.4 26.0

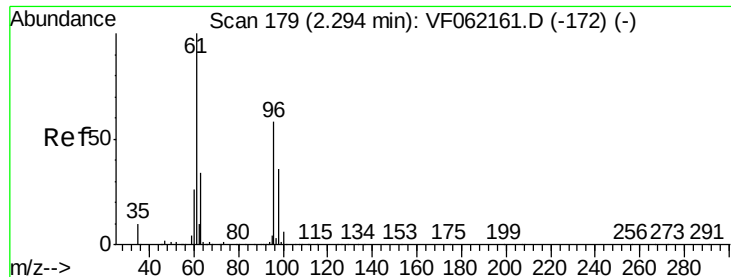


#20

Methylene Chloride
 Concen: 19.022 ug/l
 RT: 2.17 min Scan# 166
 Delta R.T. 0.00 min
 Lab File: VF062161.D
 Acq: 4 Apr 2019 17:06

Tgt Ion: 84 Resp: 42243
 Ion Ratio Lower Upper
 84 100
 49 140.7 112.6 168.8
 51 41.8 33.4 50.2
 86 75.1 60.1 90.1





#21

trans-1,2-Dichloroethene

Concen: 53.036 ug/l

RT: 2.29 min Scan# 179

Delta R.T. 0.00 min

Lab File: VF062161.D

Acq: 4 Apr 2019 17:06

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

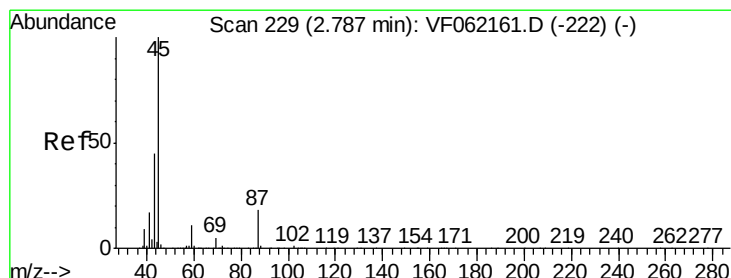
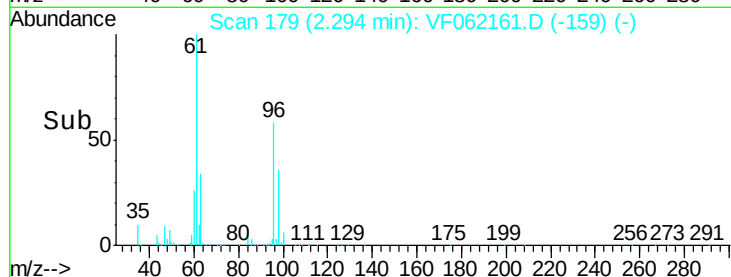
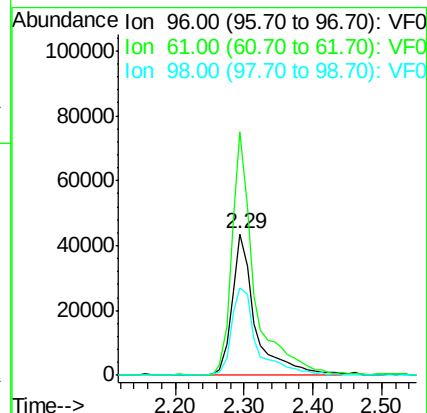
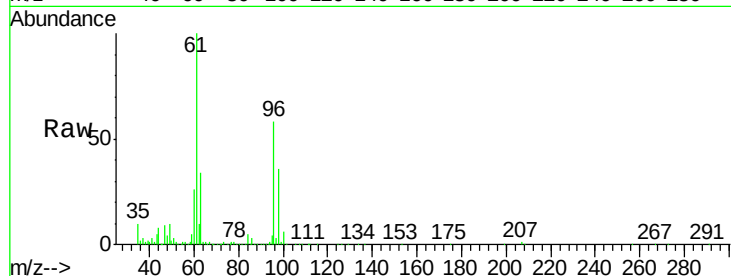
Tgt Ion: 96 Resp: 100791

Ion Ratio Lower Upper

96 100

61 171.7 137.4 206.0

98 61.7 49.4 74.0



#22

Diisopropyl ether

Concen: 54.519 ug/l

RT: 2.79 min Scan# 229

Delta R.T. 0.00 min

Lab File: VF062161.D

Acq: 4 Apr 2019 17:06

Tgt Ion: 45 Resp: 306283

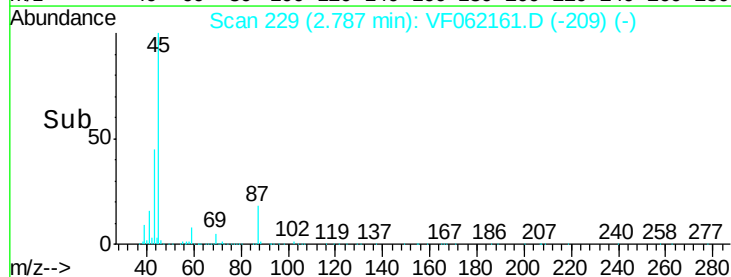
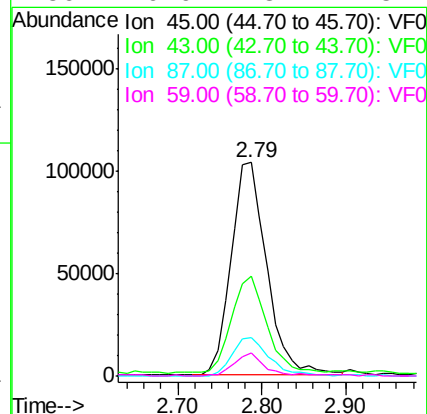
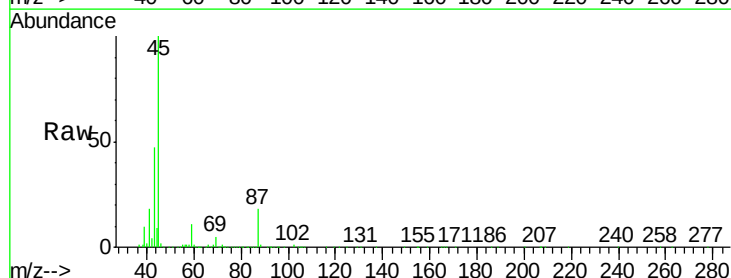
Ion Ratio Lower Upper

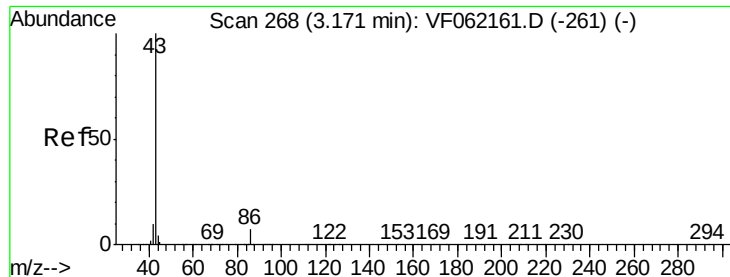
45 100

43 46.8 37.4 56.2

87 17.9 14.3 21.5

59 10.9 8.7 13.1





#23

Vinyl Acetate

Concen: 306.071 ug/l

RT: 3.17 min Scan# 268

Delta R.T. 0.00 min

Lab File: VF062161.D

Acq: 4 Apr 2019 17:06

Instrument :

MSVOA_F

ClientSampleId :

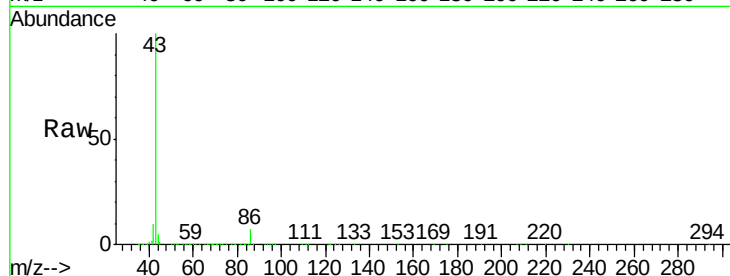
VSTDICCC050

Tgt Ion: 43 Resp: 718129

Ion Ratio Lower Upper

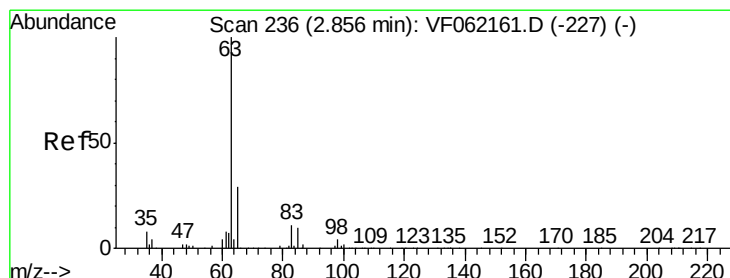
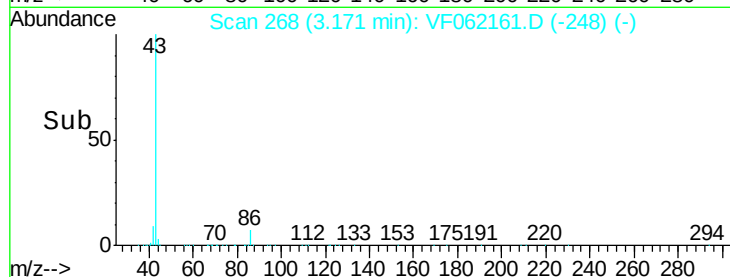
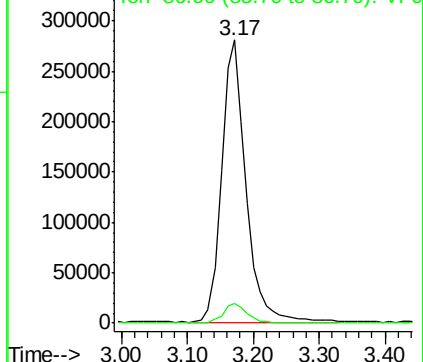
43 100

86 7.1 5.7 8.5



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 54.234 ug/l

RT: 2.86 min Scan# 236

Delta R.T. 0.00 min

Lab File: VF062161.D

Acq: 4 Apr 2019 17:06

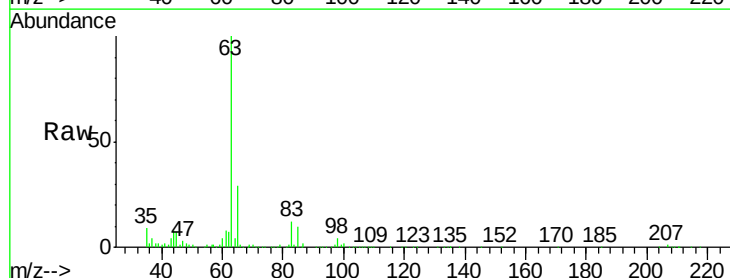
Tgt Ion: 63 Resp: 182503

Ion Ratio Lower Upper

63 100

98 4.0 2.0 6.0

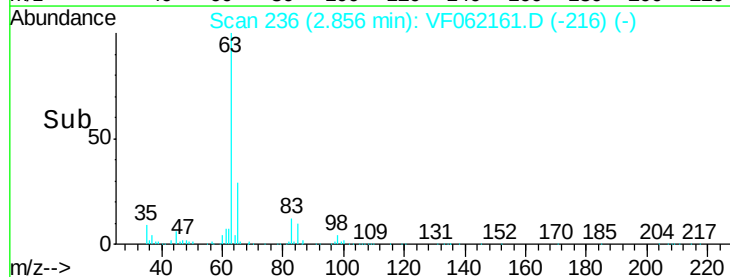
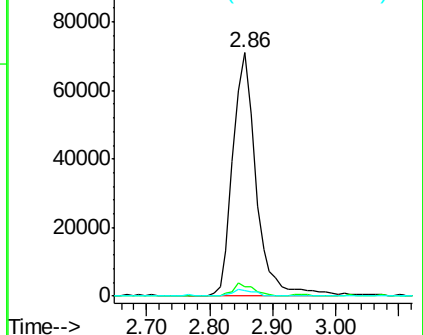
100 2.0 1.0 3.0

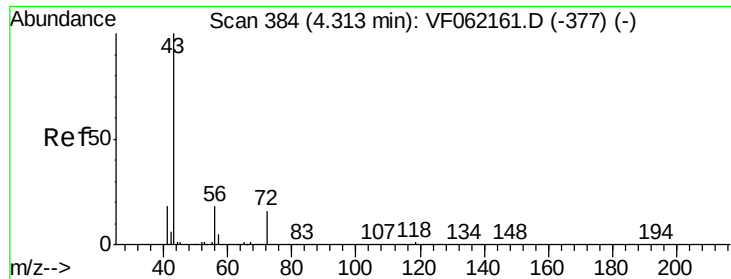


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 293.319 ug/l

RT: 4.31 min Scan# 384

Delta R.T. 0.00 min

Lab File: VF062161.D

Acq: 4 Apr 2019 17:06

Instrument :

MSVOA_F

ClientSampleId :

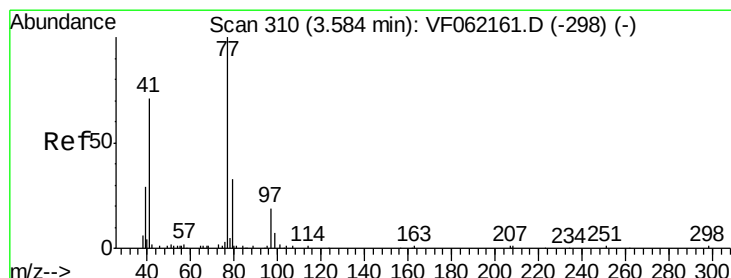
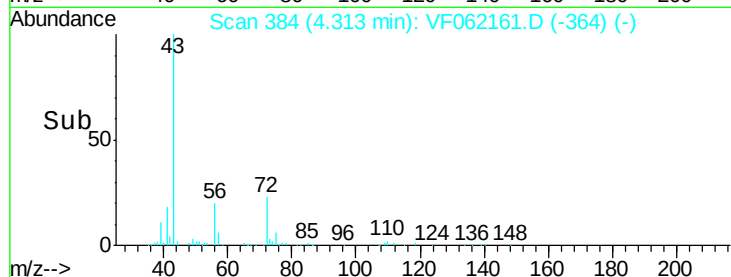
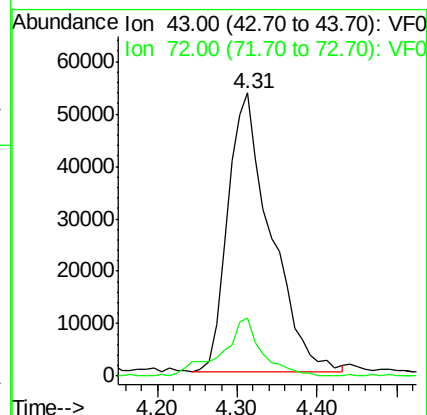
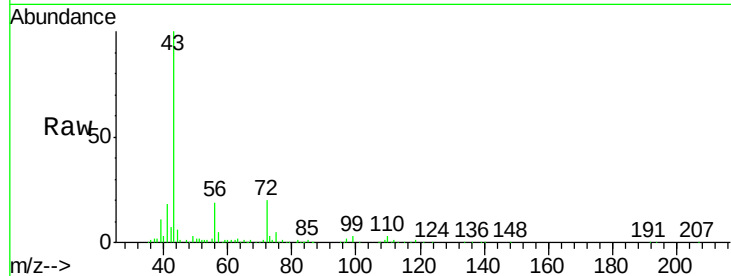
VSTDICCC050

Tgt Ion: 43 Resp: 199358

Ion Ratio Lower Upper

43 100

72 20.5 16.4 24.6



#26

2,2-Dichloropropane

Concen: 67.601 ug/l

RT: 3.58 min Scan# 310

Delta R.T. 0.00 min

Lab File: VF062161.D

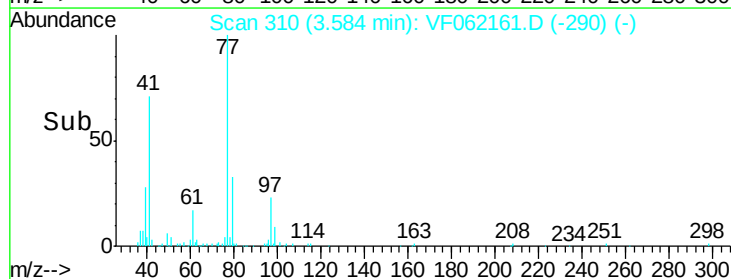
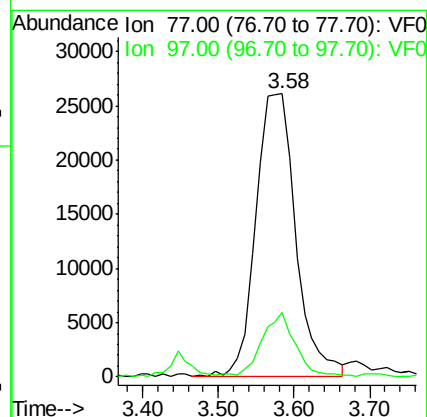
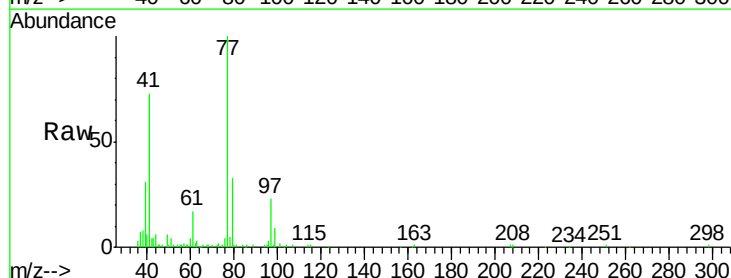
Acq: 4 Apr 2019 17:06

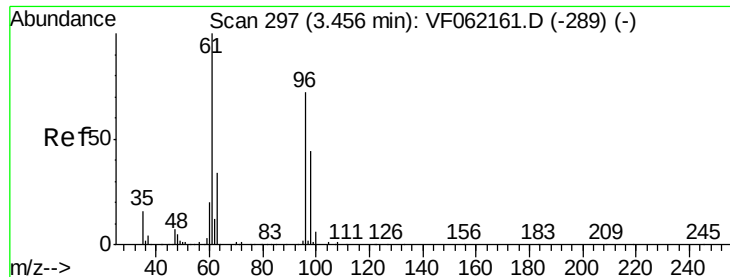
Tgt Ion: 77 Resp: 96392

Ion Ratio Lower Upper

77 100

97 22.8 11.4 34.2



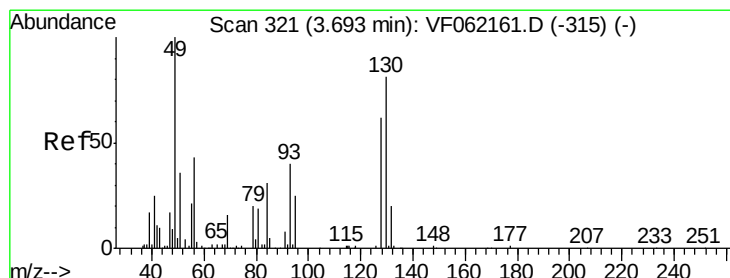
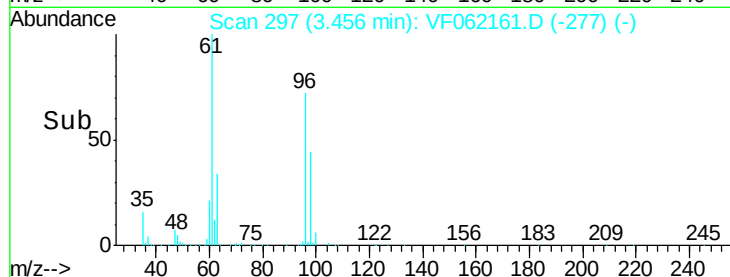
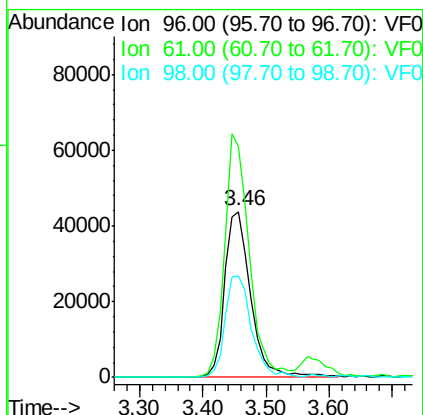
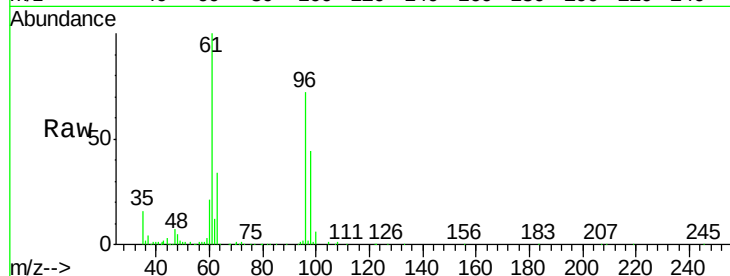


#27

cis-1,2-Dichloroethene
Concen: 49.653 ug/l
RT: 3.46 min Scan# 297
Delta R.T. 0.00 min
Lab File: VF062161.D
Acq: 4 Apr 2019 17:06

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

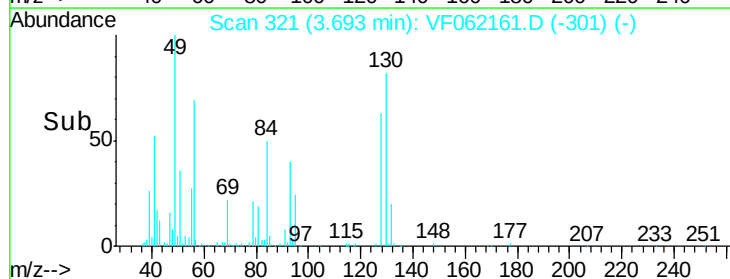
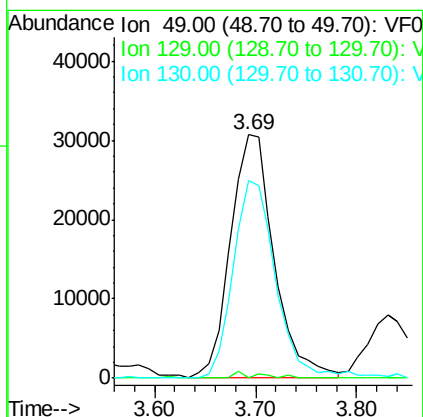
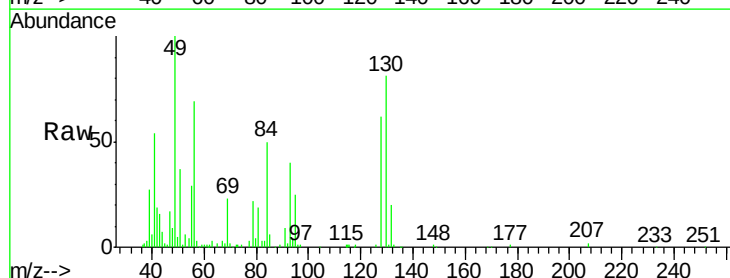
Tgt Ion: 96 Resp: 124782
Ion Ratio Lower Upper
96 100
61 139.1 0.0 278.2
98 61.1 0.0 122.2

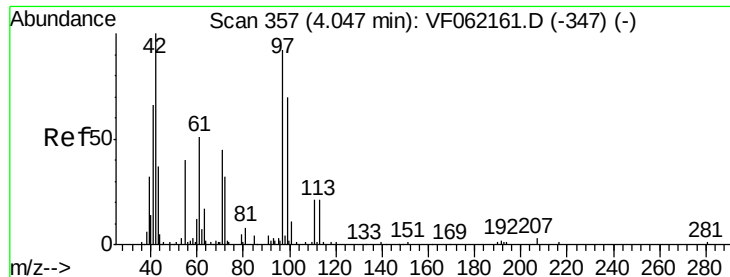


#28

Bromochloromethane
Concen: 64.852 ug/l
RT: 3.69 min Scan# 321
Delta R.T. 0.00 min
Lab File: VF062161.D
Acq: 4 Apr 2019 17:06

Tgt Ion: 49 Resp: 91608
Ion Ratio Lower Upper
49 100
129 0.0 0.0 0.0
130 81.2 65.0 97.4





#29

Tetrahydrofuran

Concen: 265.771 ug/l

RT: 4.05 min Scan# 357

Delta R.T. 0.00 min

Lab File: VF062161.D

Acq: 4 Apr 2019 17:06

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

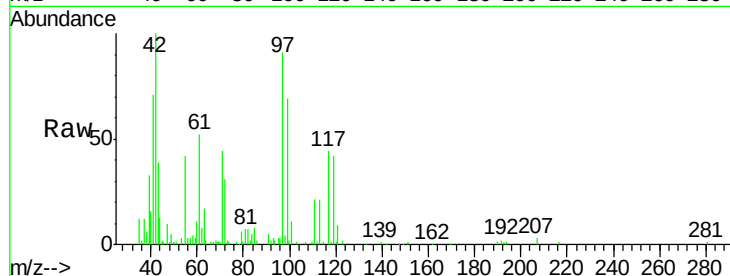
Tgt Ion: 42 Resp: 78266

Ion Ratio Lower Upper

42 100

72 38.6 30.9 46.3

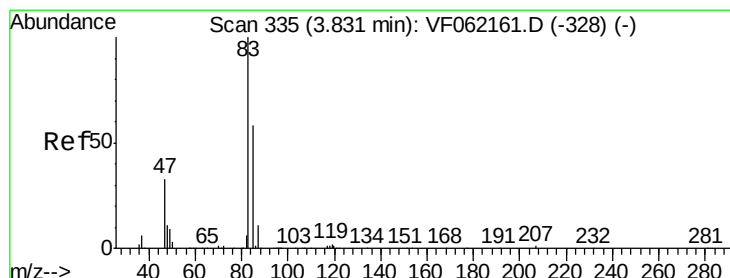
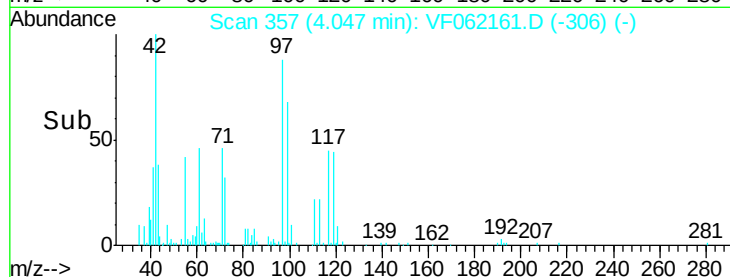
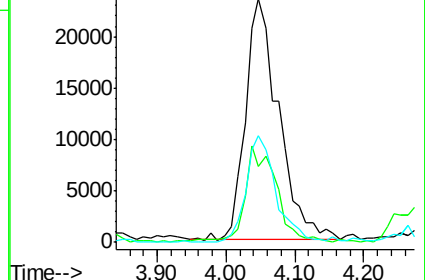
71 40.0 32.0 48.0



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: 59.568 ug/l

RT: 3.83 min Scan# 335

Delta R.T. 0.00 min

Lab File: VF062161.D

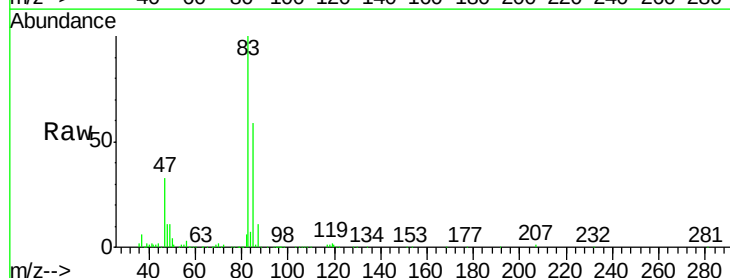
Acq: 4 Apr 2019 17:06

Tgt Ion: 83 Resp: 216301

Ion Ratio Lower Upper

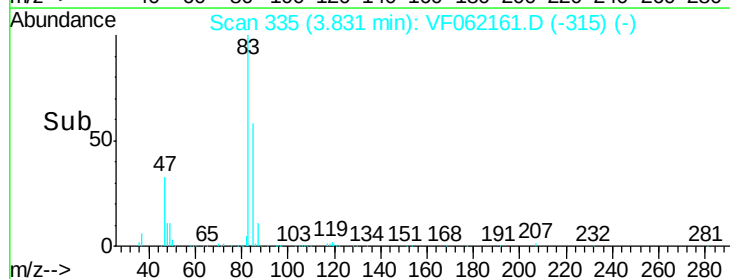
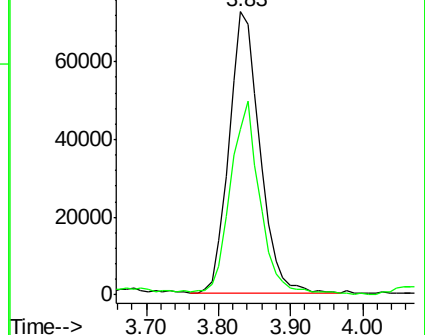
83 100

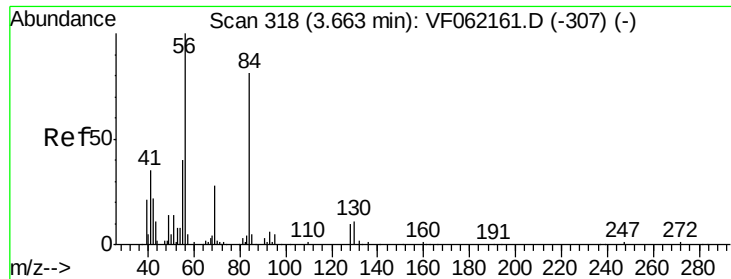
85 58.6 46.9 70.3



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

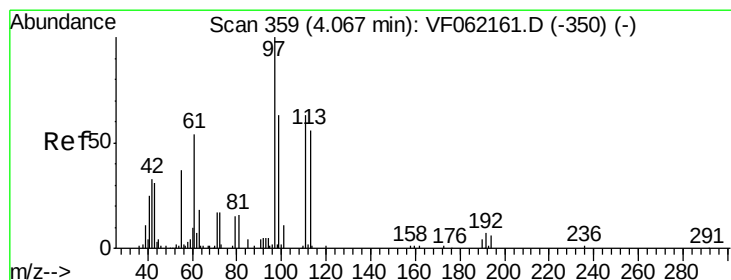
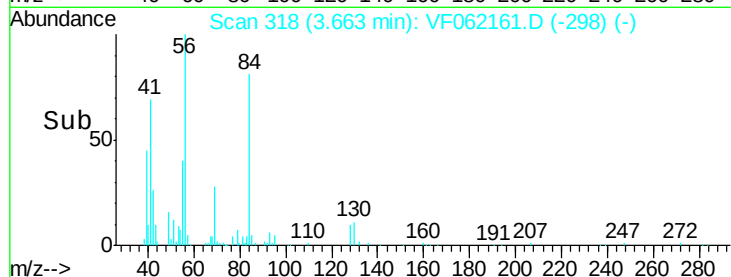
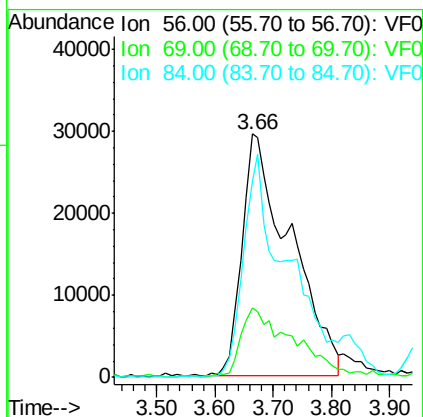
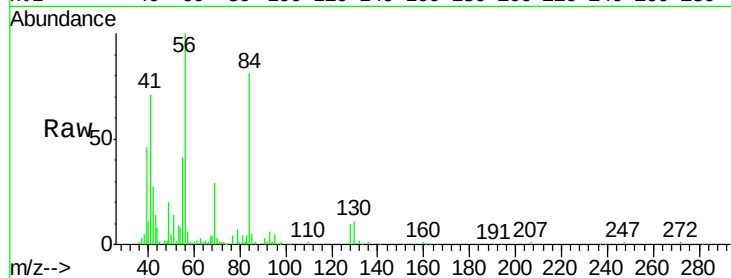




#31
Cyclohexane
Concen: 49.463 ug/l
RT: 3.66 min Scan# 318
Delta R.T. 0.00 min
Lab File: VF062161.D
Acq: 4 Apr 2019 17:06

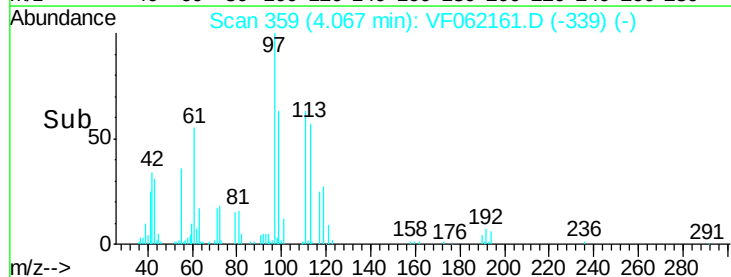
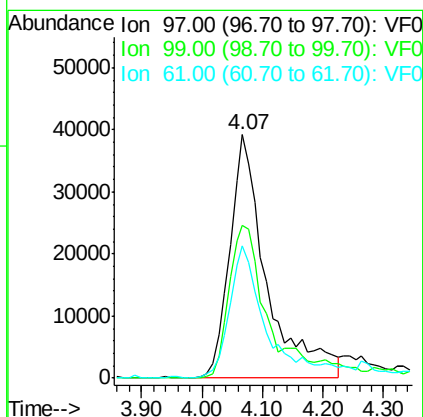
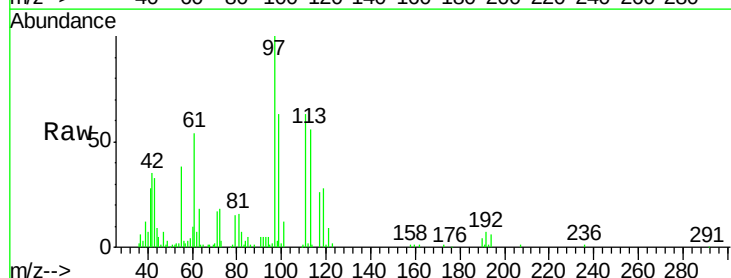
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

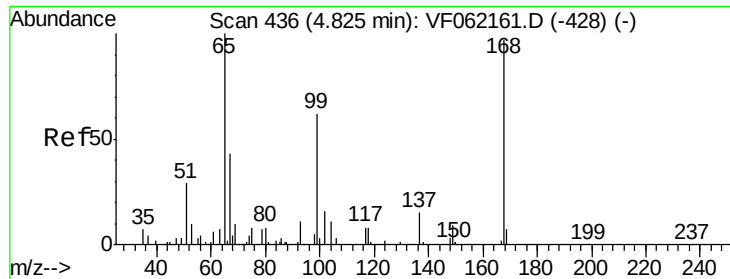
Tgt Ion:	56	Resp:	170236
Ion	Ratio	Lower	Upper
56	100		
69	28.7	23.0	34.4
84	80.5	64.4	96.6



#32
1,1,1-Trichloroethane
Concen: 71.548 ug/l
RT: 4.07 min Scan# 359
Delta R.T. 0.00 min
Lab File: VF062161.D
Acq: 4 Apr 2019 17:06

Tgt Ion:	97	Resp:	166229
Ion	Ratio	Lower	Upper
97	100		
99	62.7	50.2	75.2
61	54.4	43.5	65.3

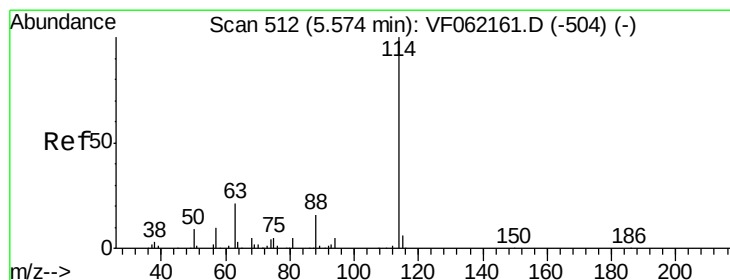
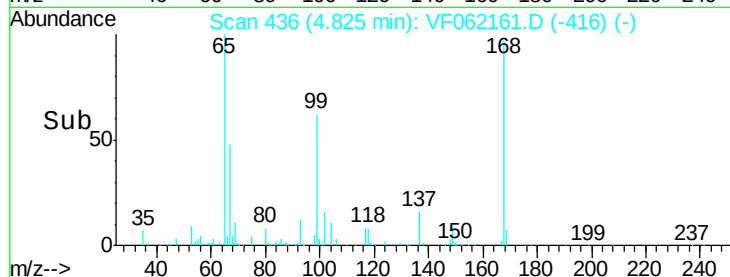
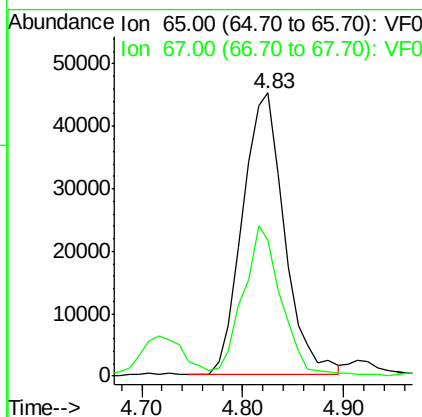
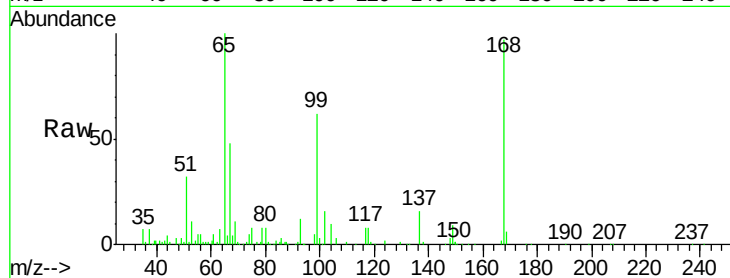




#33
 1,2-Dichloroethane-d4
 Concen: 78.019 ug/l
 RT: 4.83 min Scan# 436
 Delta R.T. 0.00 min
 Lab File: VF062161.D
 Acq: 4 Apr 2019 17:06

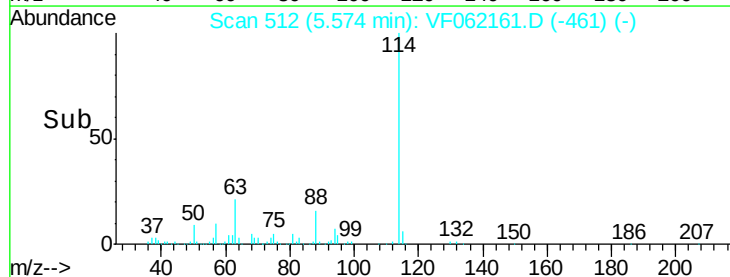
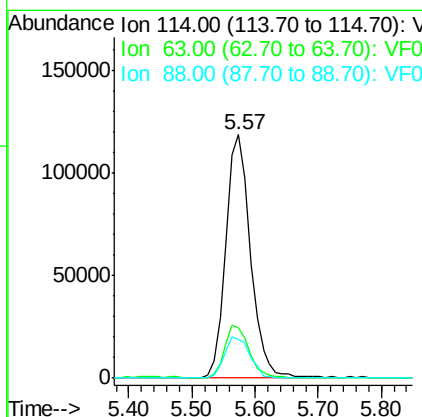
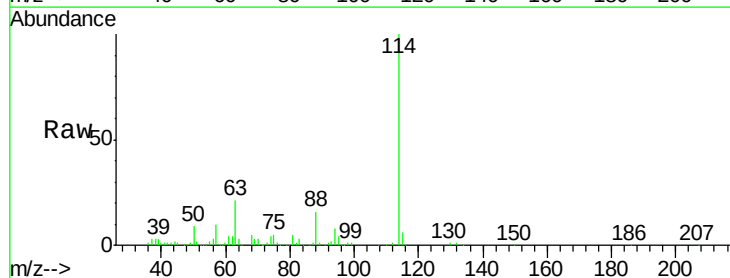
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

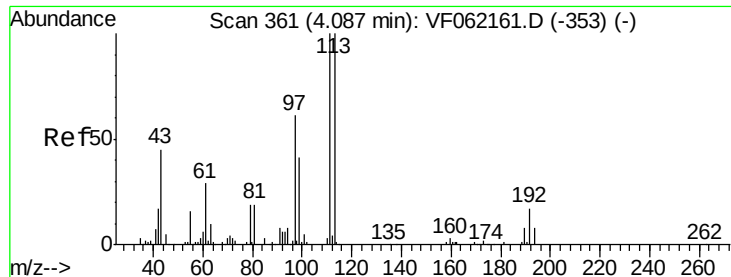
Tgt Ion: 65 Resp: 130674
 Ion Ratio Lower Upper
 65 100
 67 48.0 0.0 96.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.57 min Scan# 512
 Delta R.T. 0.00 min
 Lab File: VF062161.D
 Acq: 4 Apr 2019 17:06

Tgt Ion: 114 Resp: 321906
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 41.8
 88 15.7 0.0 31.4





#35

Dibromofluoromethane

Concen: 59.280 ug/l

RT: 4.09 min Scan# 361

Delta R.T. 0.00 min

Lab File: VF062161.D

Acq: 4 Apr 2019 17:06

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

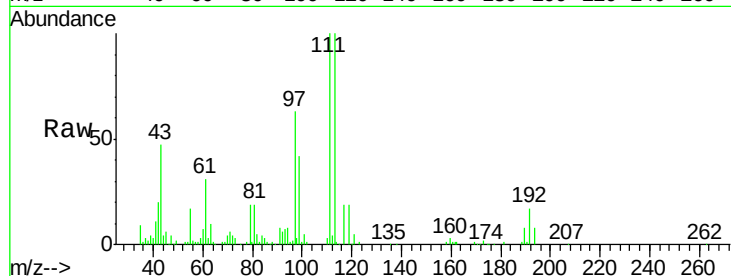
Tgt Ion: 113 Resp: 131584

Ion Ratio Lower Upper

113 100

111 99.7 79.8 119.6

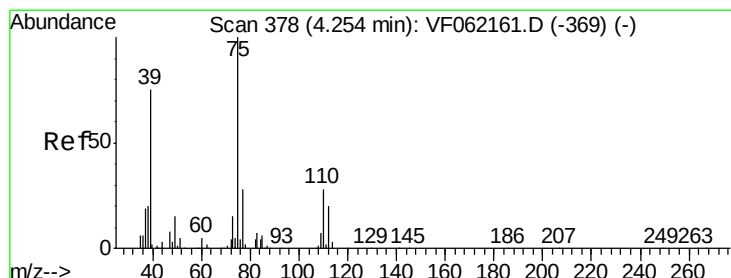
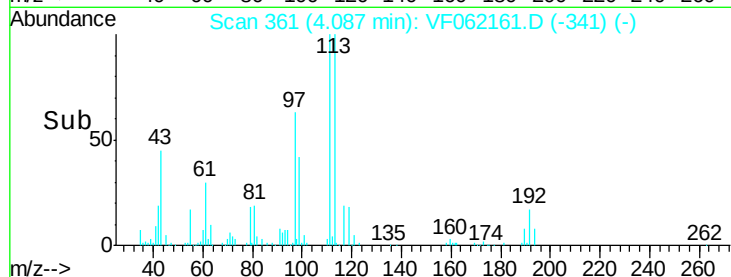
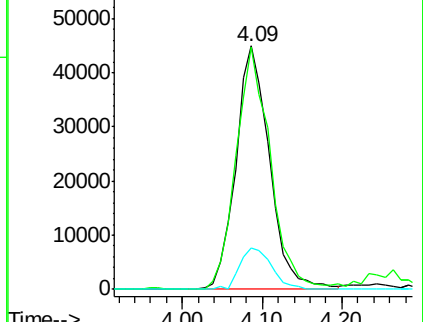
192 17.2 13.8 20.6



Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#36

1,1-Dichloropropene

Concen: 56.522 ug/l

RT: 4.25 min Scan# 378

Delta R.T. 0.00 min

Lab File: VF062161.D

Acq: 4 Apr 2019 17:06

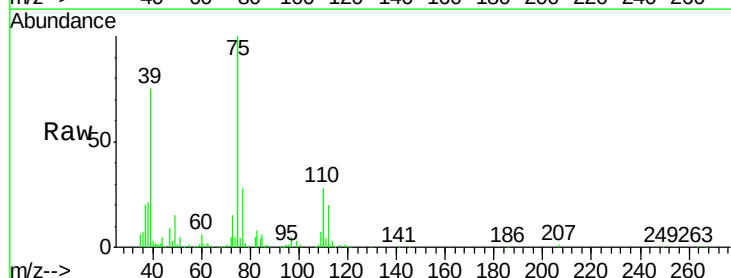
Tgt Ion: 75 Resp: 177218

Ion Ratio Lower Upper

75 100

110 27.8 13.9 41.7

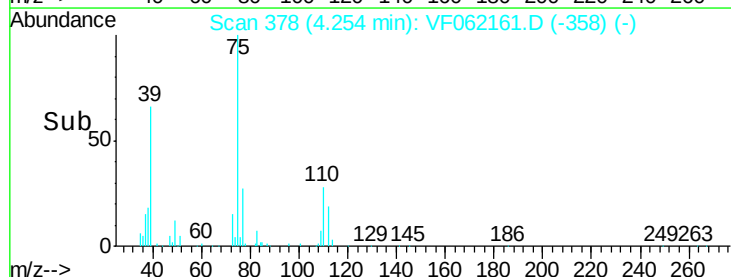
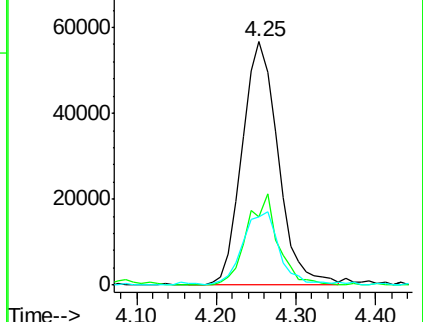
77 28.3 22.6 34.0

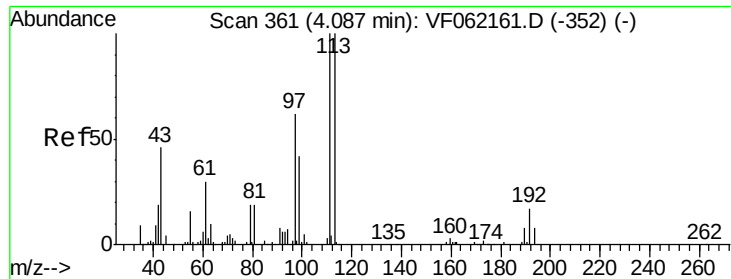


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0

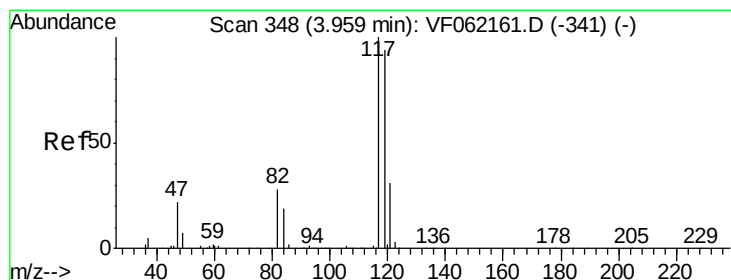
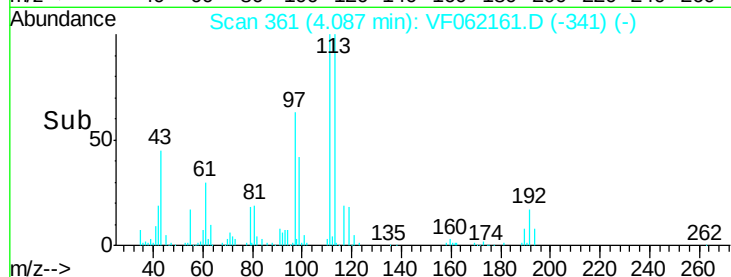
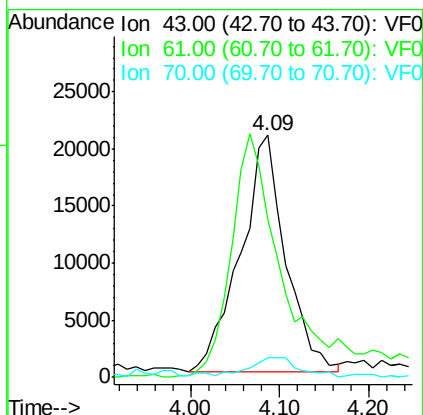
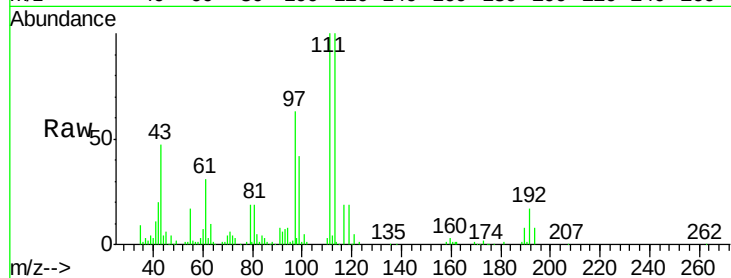




#37
Ethyl Acetate
Concen: 53.394 ug/l
RT: 4.09 min Scan# 361
Delta R.T. 0.00 min
Lab File: VF062161.D
Acq: 4 Apr 2019 17:06

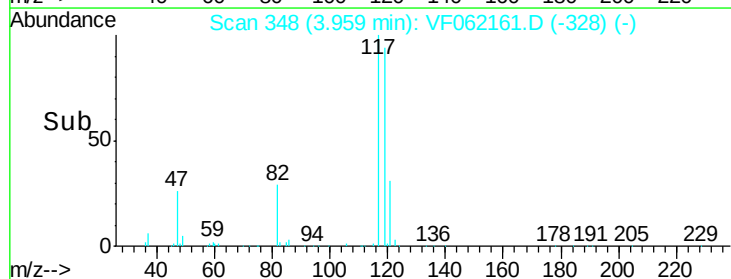
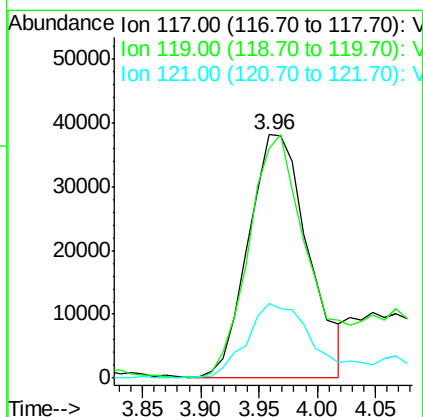
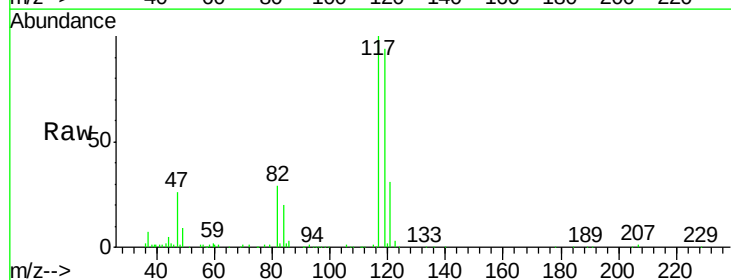
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

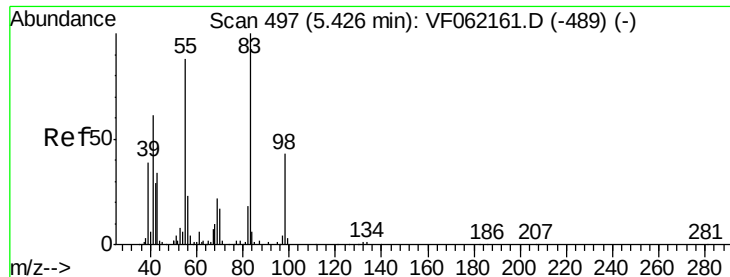
Tgt Ion: 43 Resp: 72704
Ion Ratio Lower Upper
43 100
61 65.4 52.3 78.5
70 8.0 6.4 9.6



#38
Carbon Tetrachloride
Concen: 62.264 ug/l
RT: 3.96 min Scan# 348
Delta R.T. 0.00 min
Lab File: VF062161.D
Acq: 4 Apr 2019 17:06

Tgt Ion: 117 Resp: 135851
Ion Ratio Lower Upper
117 100
119 94.4 75.5 113.3
121 30.8 24.6 37.0

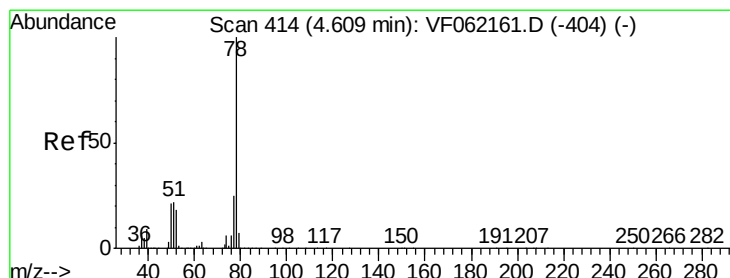
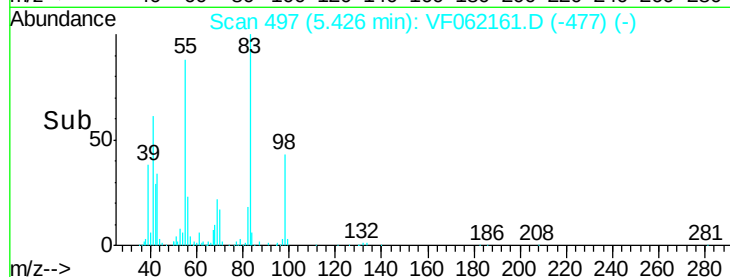
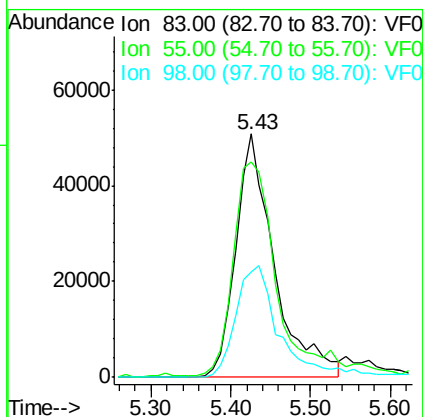
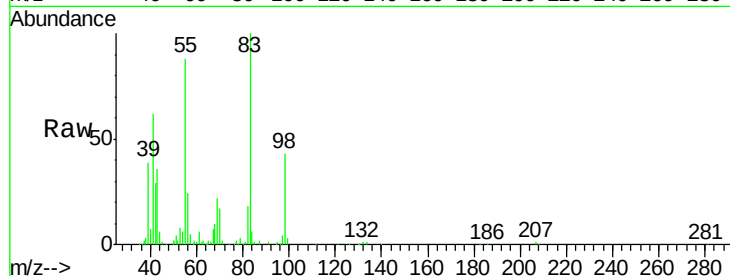




#39
Methylcyclohexane
Concen: 48.935 ug/l
RT: 5.43 min Scan# 497
Delta R.T. 0.00 min
Lab File: VF062161.D
Acq: 4 Apr 2019 17:06

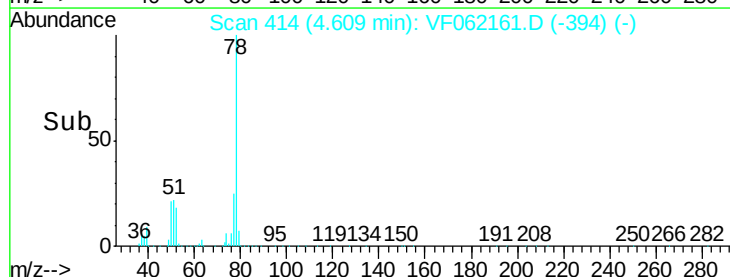
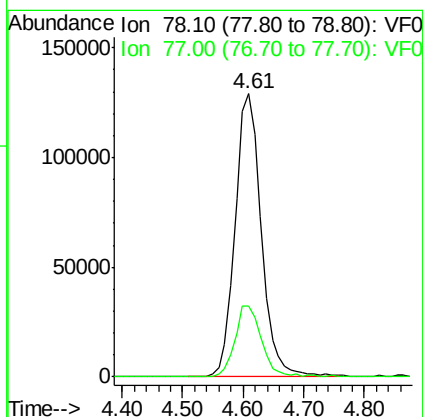
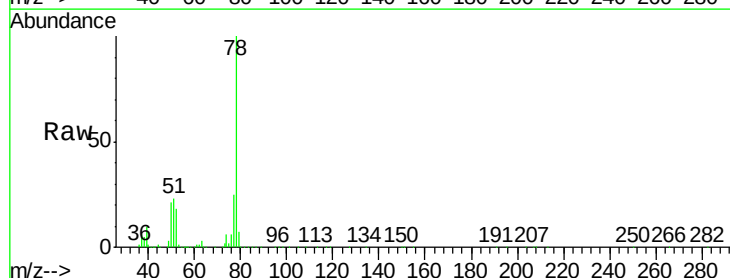
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

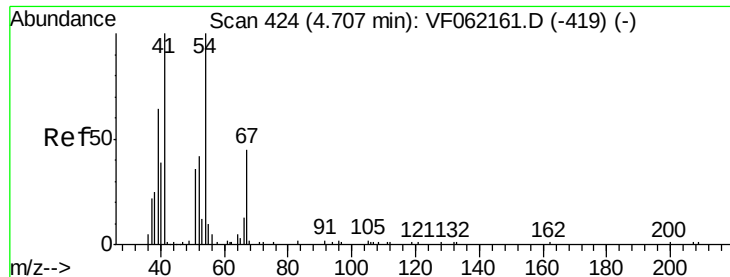
Tgt Ion: 83 Resp: 170443
Ion Ratio Lower Upper
83 100
55 88.4 70.7 106.1
98 43.2 34.6 51.8



#40
Benzene
Concen: 47.971 ug/l
RT: 4.61 min Scan# 414
Delta R.T. 0.00 min
Lab File: VF062161.D
Acq: 4 Apr 2019 17:06

Tgt Ion: 78 Resp: 389155
Ion Ratio Lower Upper
78 100
77 24.9 19.9 29.9

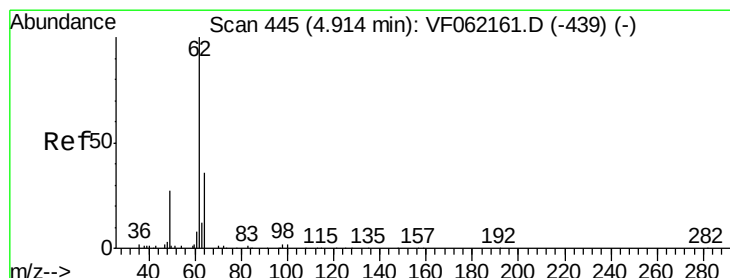
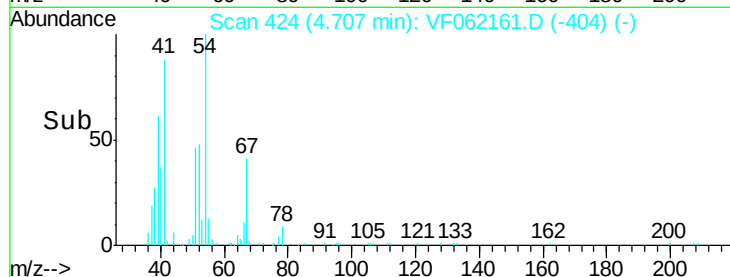
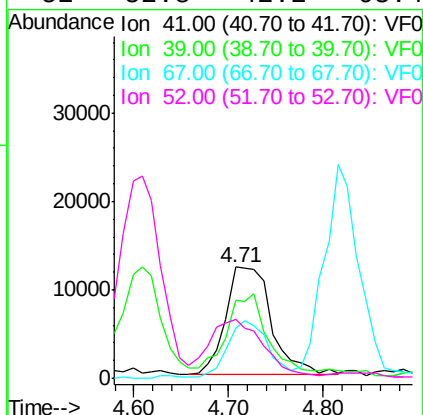
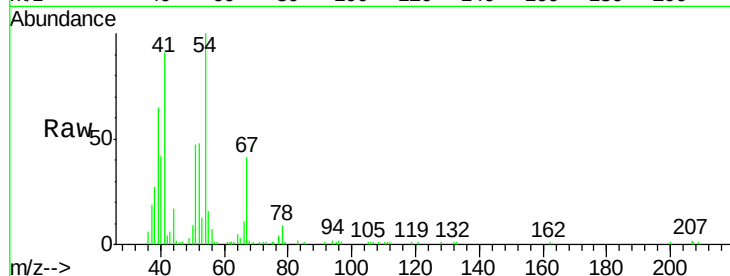




#41
Methacrylonitrile
Concen: 56.487 ug/l
RT: 4.71 min Scan# 424
Delta R.T. 0.00 min
Lab File: VF062161.D
Acq: 4 Apr 2019 17:06

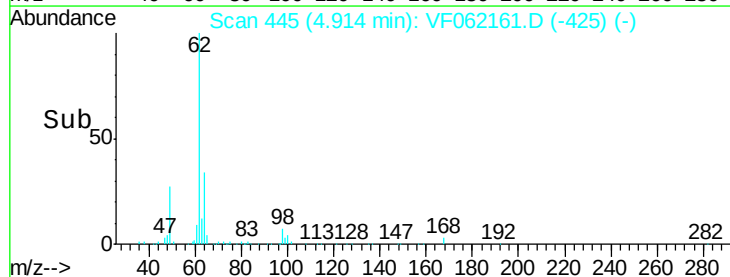
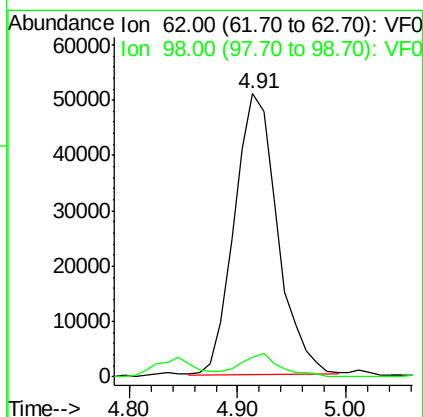
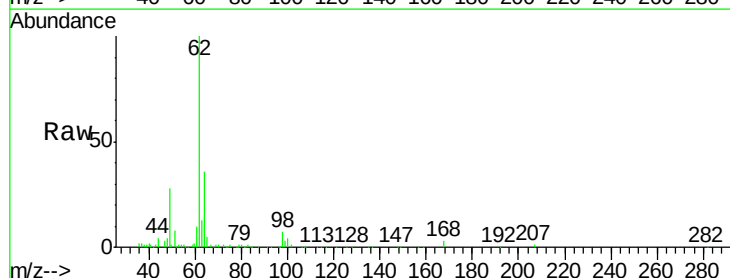
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

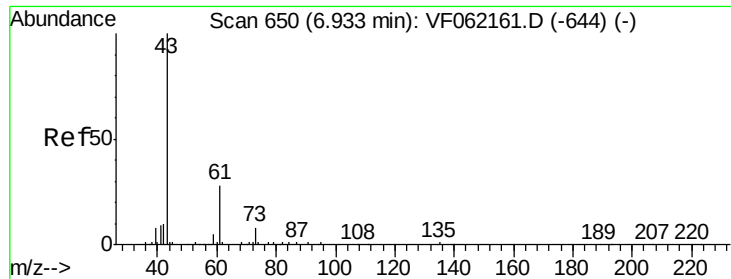
Tgt Ion:	41	Resp:	40886
Ion	Ratio	Lower	Upper
41	100		
39	70.6	56.5	84.7
67	44.6	35.7	53.5
52	52.8	42.2	63.4



#42
1,2-Dichloroethane
Concen: 67.910 ug/l
RT: 4.91 min Scan# 445
Delta R.T. 0.00 min
Lab File: VF062161.D
Acq: 4 Apr 2019 17:06

Tgt Ion:	62	Resp:	141179
Ion	Ratio	Lower	Upper
62	100		
98	7.1	0.0	14.2





#43

Isopropyl Acetate

Concen: 50.370 ug/l

RT: 6.93 min Scan# 650

Delta R.T. 0.00 min

Lab File: VF062161.D

Acq: 4 Apr 2019 17:06

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

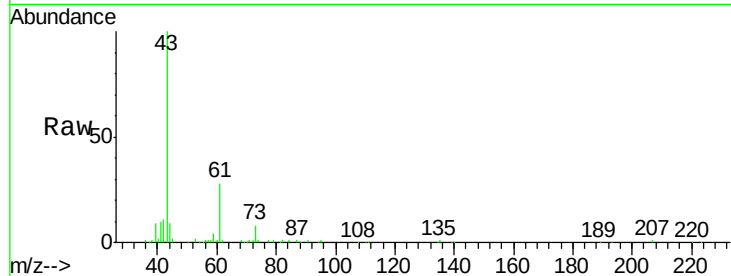
Tgt Ion: 43 Resp: 81643

Ion Ratio Lower Upper

43 100

61 28.1 22.5 33.7

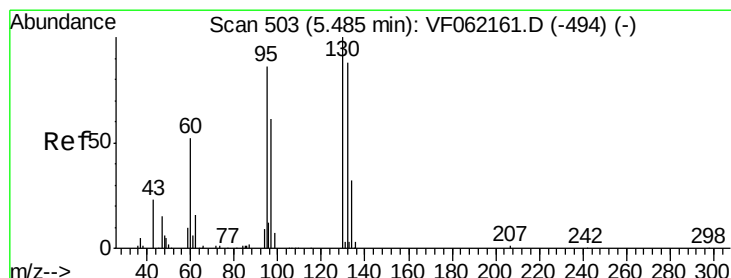
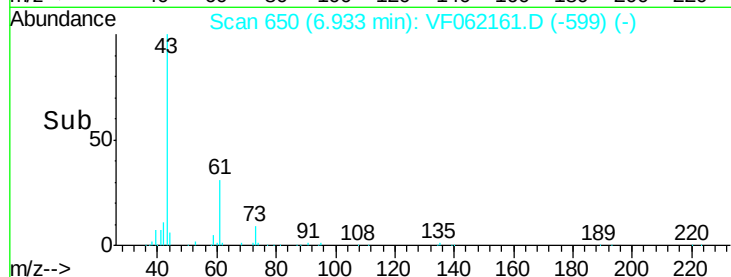
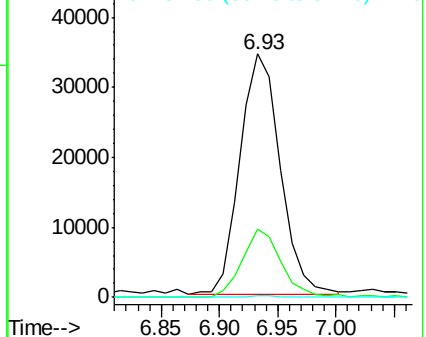
87 0.6 0.5 0.7



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: 48.862 ug/l

RT: 5.49 min Scan# 503

Delta R.T. 0.00 min

Lab File: VF062161.D

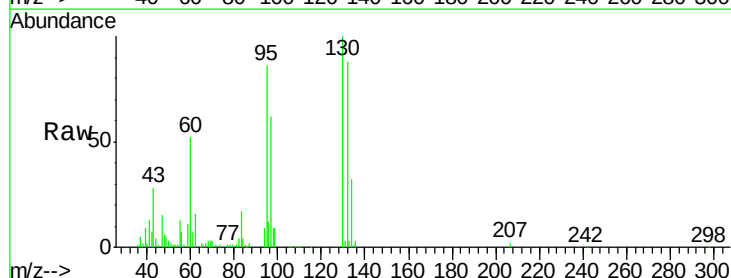
Acq: 4 Apr 2019 17:06

Tgt Ion: 130 Resp: 121527

Ion Ratio Lower Upper

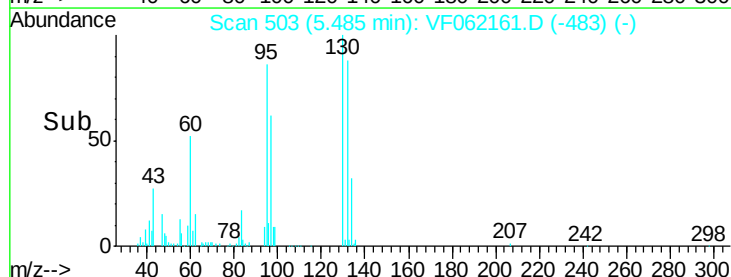
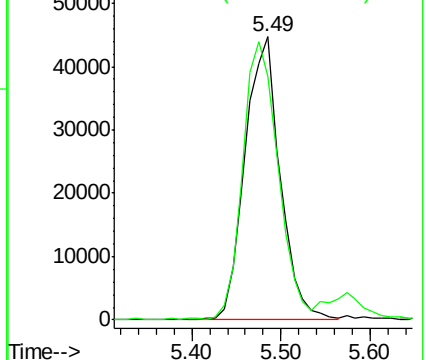
130 100

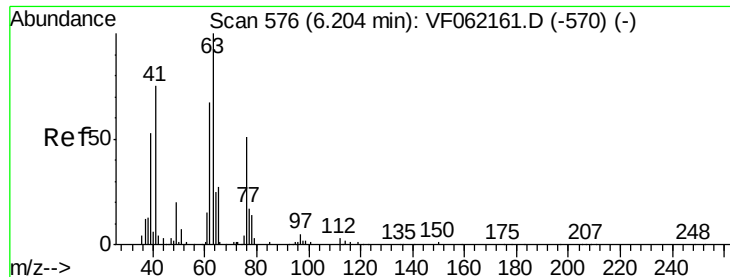
95 86.1 0.0 172.2



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 49.583 ug/l

RT: 6.20 min Scan# 576

Delta R.T. 0.00 min

Lab File: VF062161.D

Acq: 4 Apr 2019 17:06

Instrument :

MSVOA_F

ClientSampleId :

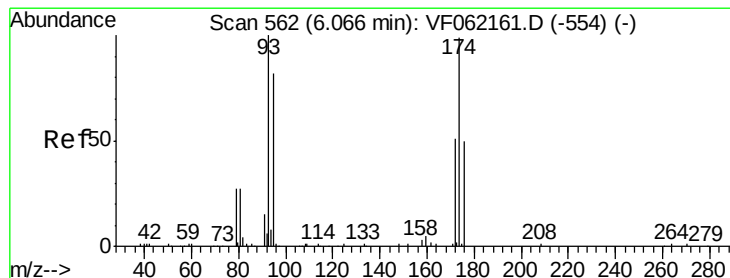
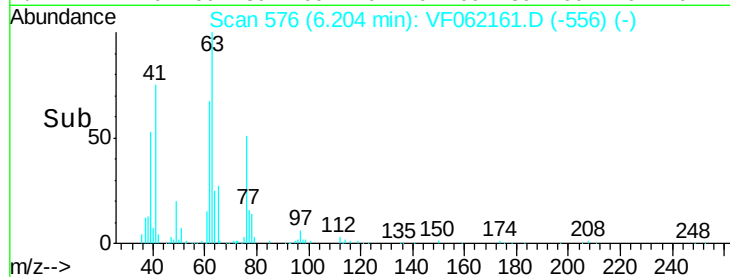
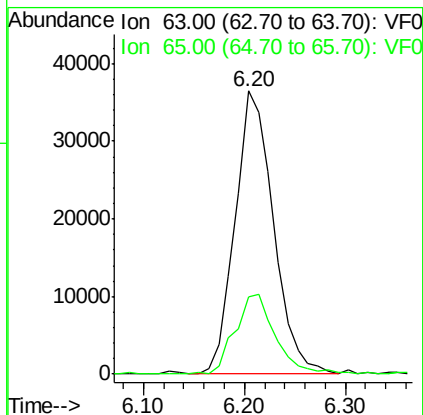
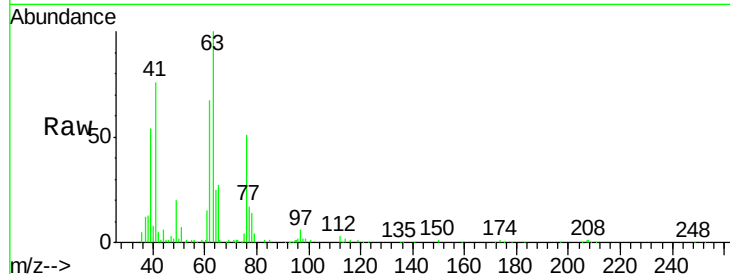
VSTDICCC050

Tgt Ion: 63 Resp: 96669

Ion Ratio Lower Upper

63 100

65 27.2 21.8 32.6



#46

Dibromomethane

Concen: 52.919 ug/l

RT: 6.07 min Scan# 562

Delta R.T. 0.00 min

Lab File: VF062161.D

Acq: 4 Apr 2019 17:06

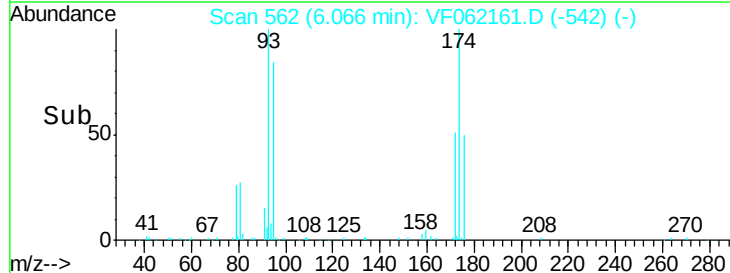
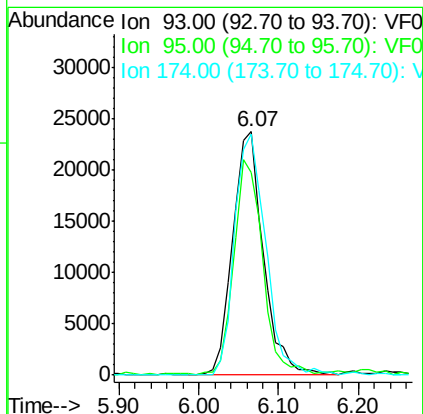
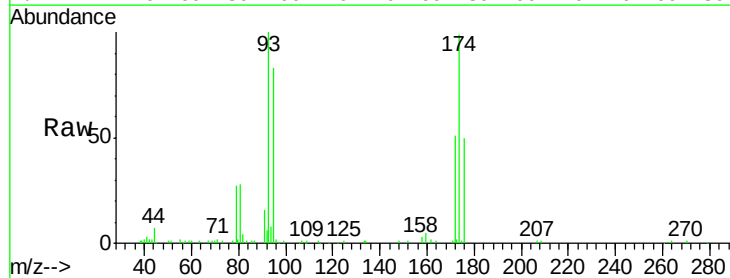
Tgt Ion: 93 Resp: 63848

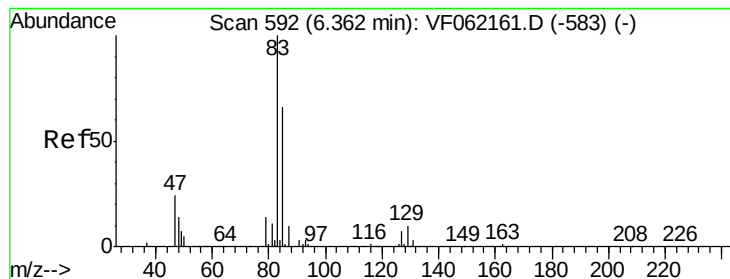
Ion Ratio Lower Upper

93 100

95 83.1 66.5 99.7

174 99.0 79.2 118.8





#47

Bromodichloromethane

Concen: 60.370 ug/l

RT: 6.36 min Scan# 592

Delta R.T. 0.00 min

Lab File: VF062161.D

Acq: 4 Apr 2019 17:06

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

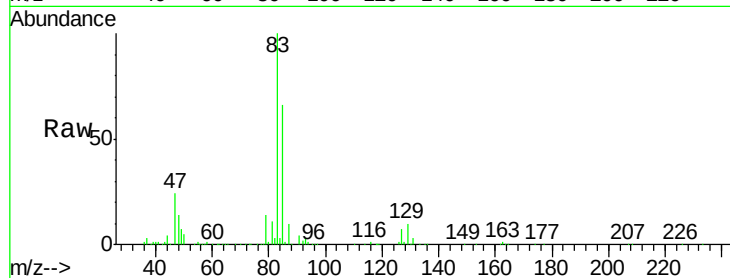
Tgt Ion: 83 Resp: 166573

Ion Ratio Lower Upper

83 100

85 66.1 52.9 79.3

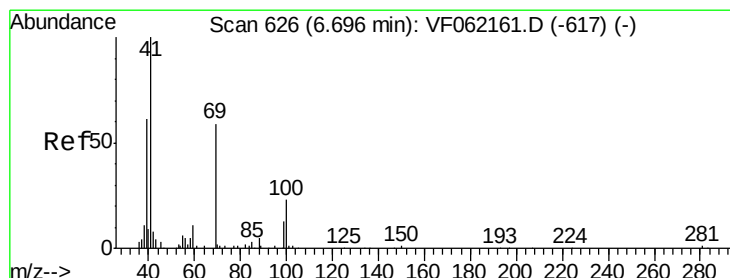
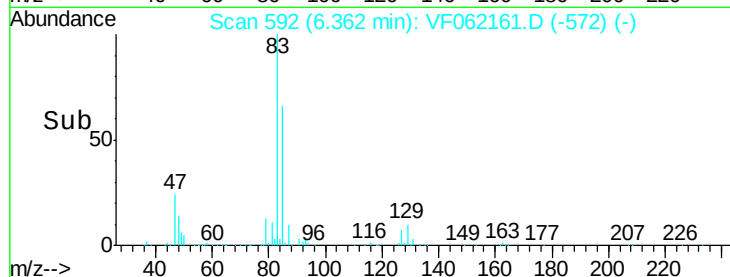
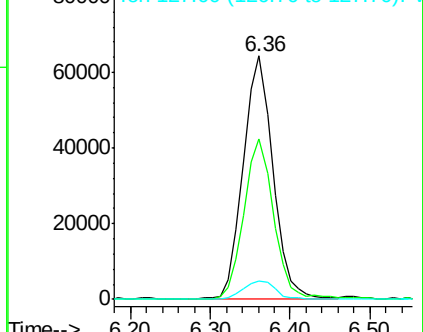
127 7.4 5.9 8.9



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: 64.718 ug/l

RT: 6.70 min Scan# 626

Delta R.T. 0.00 min

Lab File: VF062161.D

Acq: 4 Apr 2019 17:06

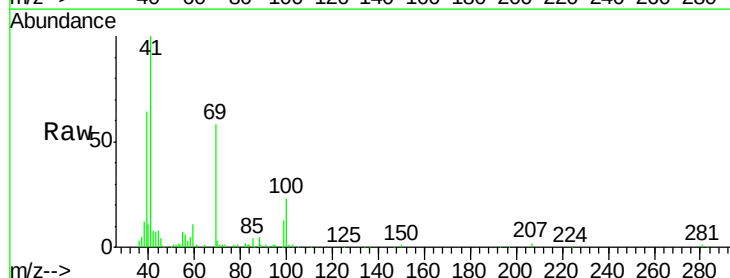
Tgt Ion: 41 Resp: 63164

Ion Ratio Lower Upper

41 100

69 58.4 46.7 70.1

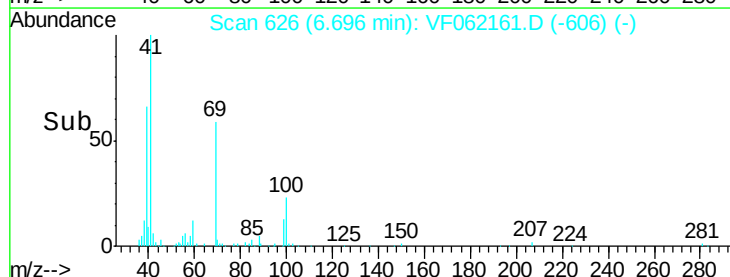
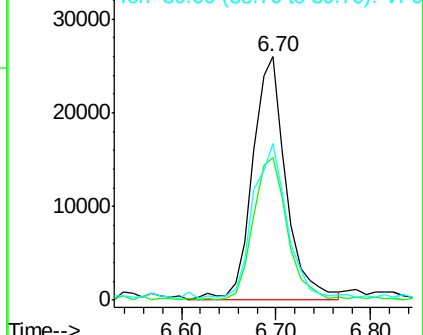
39 64.2 51.4 77.0

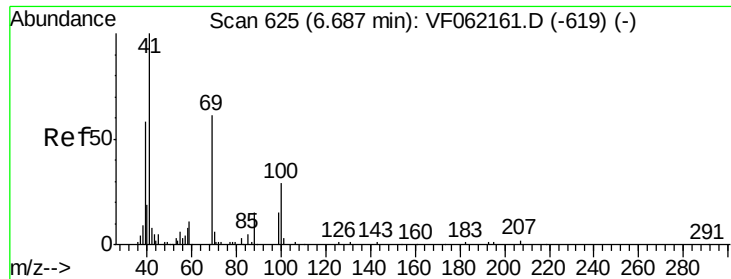


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

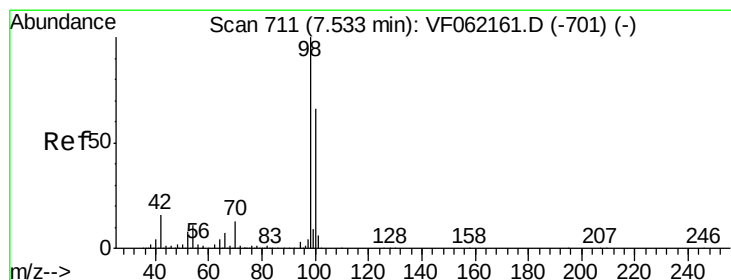
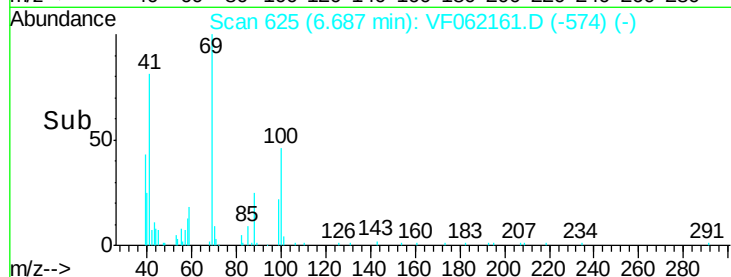
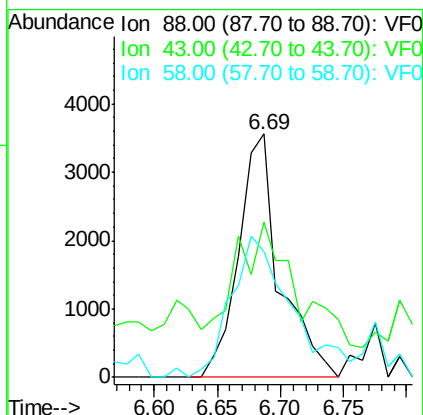
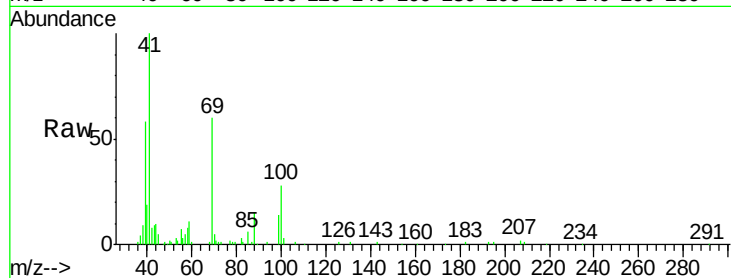




#49
1,4-Dioxane
Concen: 1020.056 ug/l
RT: 6.69 min Scan# 625
Delta R.T. 0.00 min
Lab File: VF062161.D
Acq: 4 Apr 2019 17:06

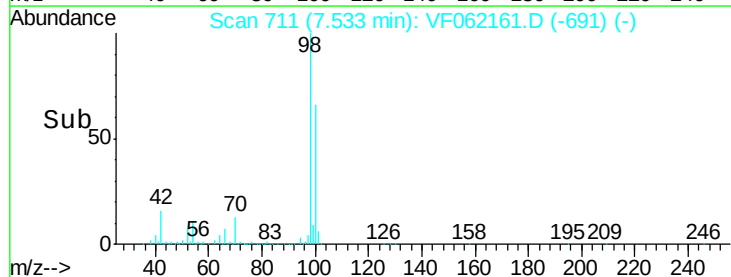
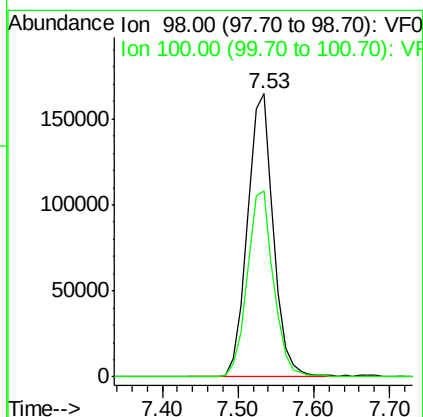
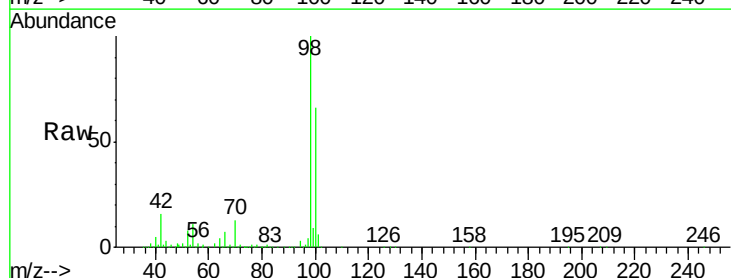
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

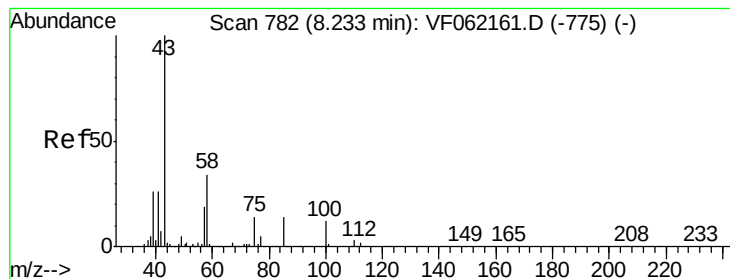
Tgt Ion: 88 Resp: 8056
Ion Ratio Lower Upper
88 100
43 63.8 51.0 76.6
58 51.6 41.3 61.9



#50
Toluene-d8
Concen: 59.512 ug/l
RT: 7.53 min Scan# 711
Delta R.T. 0.00 min
Lab File: VF062161.D
Acq: 4 Apr 2019 17:06

Tgt Ion: 98 Resp: 391387
Ion Ratio Lower Upper
98 100
100 65.7 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 280.244 ug/l

RT: 8.23 min Scan# 782

Delta R.T. 0.00 min

Lab File: VF062161.D

Acq: 4 Apr 2019 17:06

Instrument :

MSVOA_F

ClientSampleId :

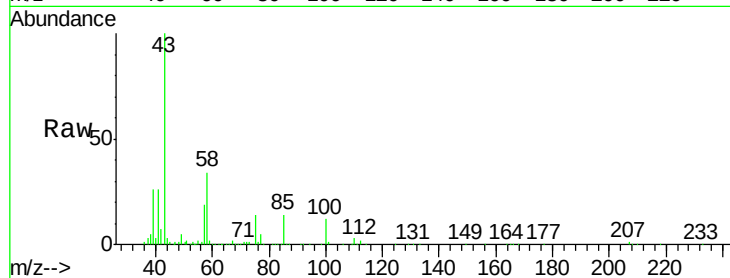
VSTDICCC050

Tgt Ion: 43 Resp: 311172

Ion Ratio Lower Upper

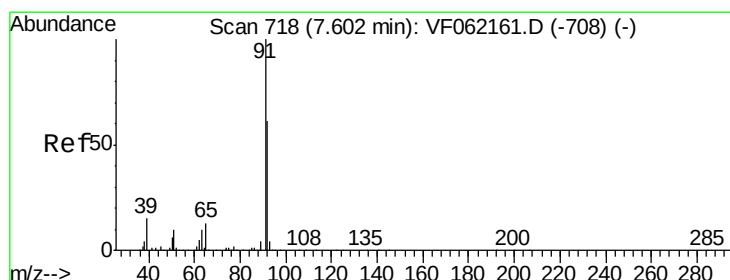
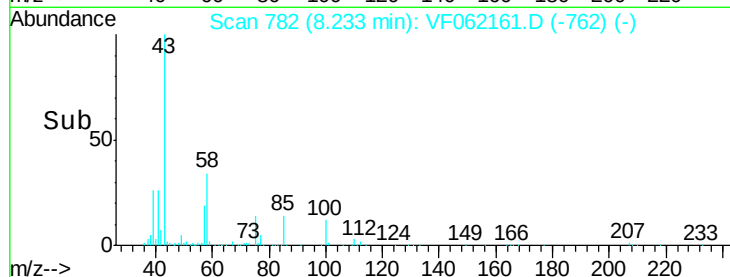
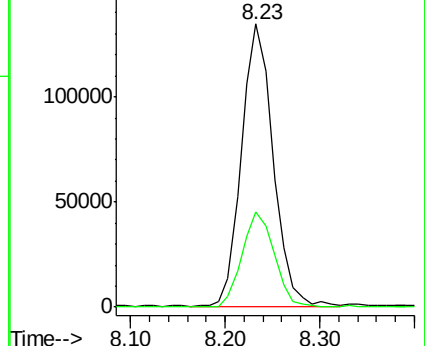
43 100

58 33.7 27.0 40.4



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 52.073 ug/l

RT: 7.60 min Scan# 718

Delta R.T. 0.00 min

Lab File: VF062161.D

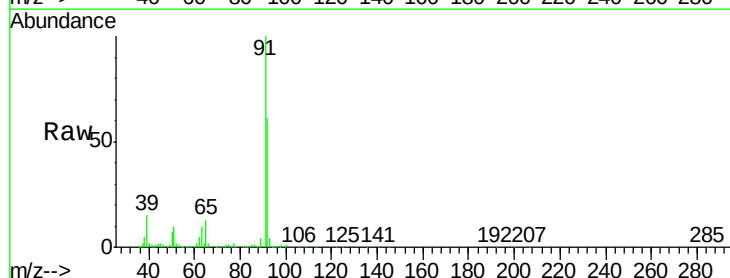
Acq: 4 Apr 2019 17:06

Tgt Ion: 92 Resp: 249137

Ion Ratio Lower Upper

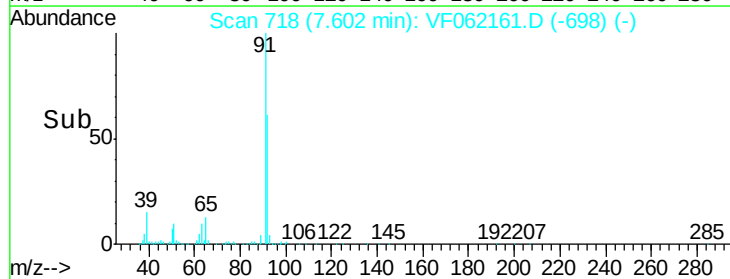
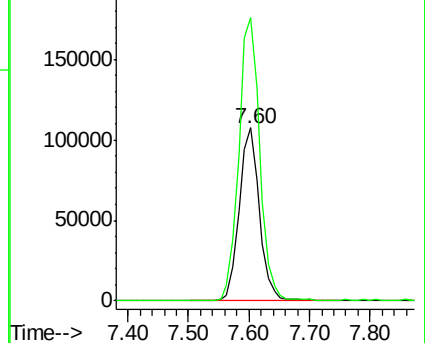
92 100

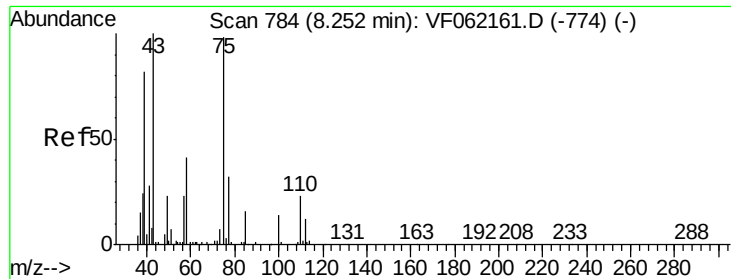
91 163.5 130.8 196.2



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

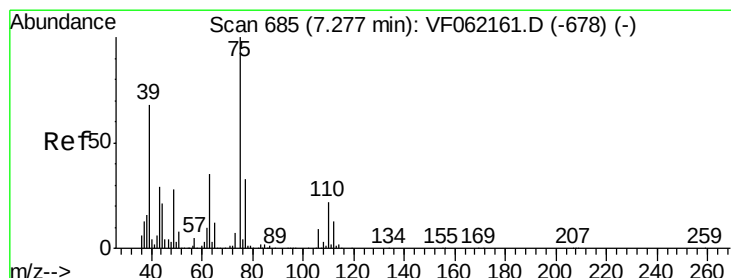
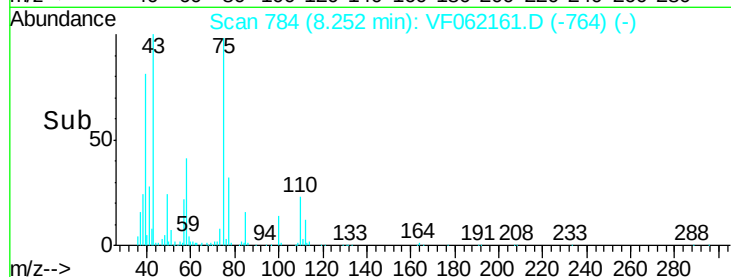
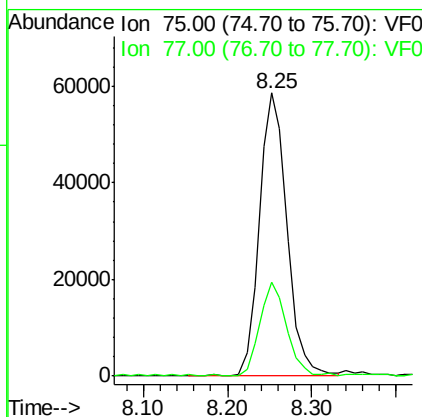
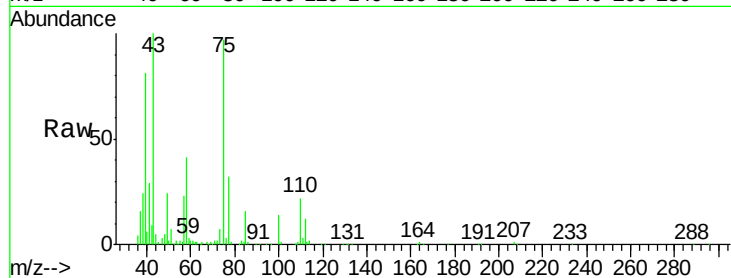




#53
t-1,3-Dichloropropene
Concen: 61.888 ug/l
RT: 8.25 min Scan# 784
Delta R.T. 0.00 min
Lab File: VF062161.D
Acq: 4 Apr 2019 17:06

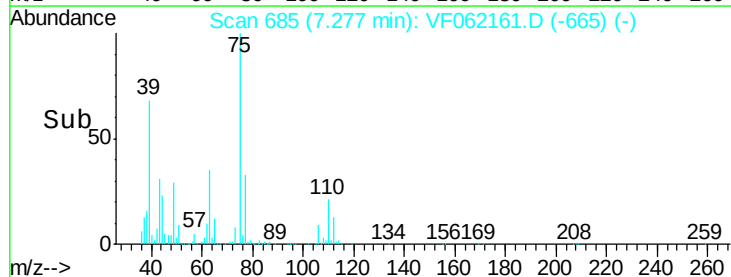
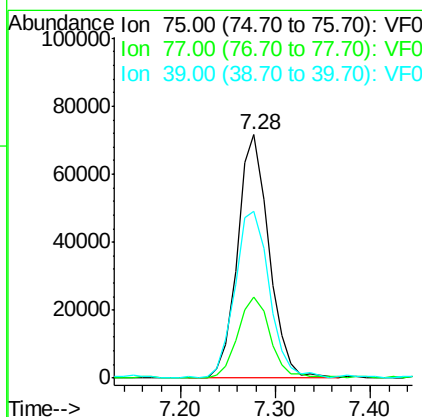
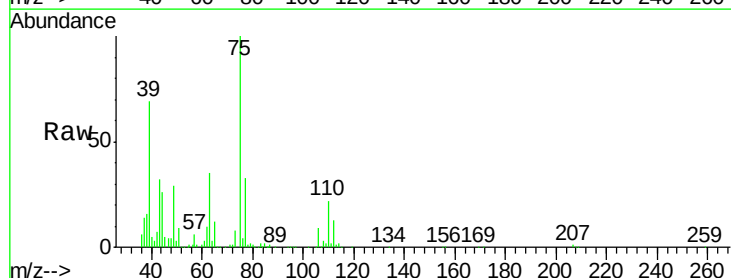
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

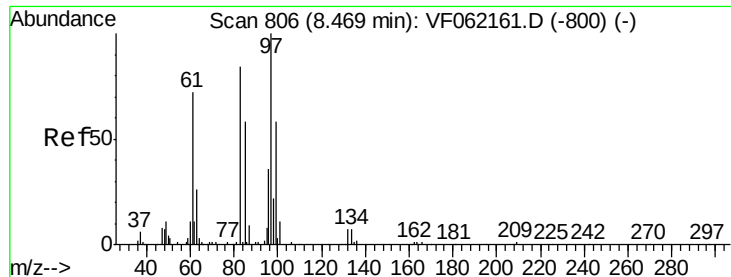
Tgt Ion: 75 Resp: 135178
Ion Ratio Lower Upper
75 100
77 33.2 26.6 39.8



#54
cis-1,3-Dichloropropene
Concen: 54.682 ug/l
RT: 7.28 min Scan# 685
Delta R.T. 0.00 min
Lab File: VF062161.D
Acq: 4 Apr 2019 17:06

Tgt Ion: 75 Resp: 165294
Ion Ratio Lower Upper
75 100
77 33.4 26.7 40.1
39 68.7 55.0 82.4





#55

1,1,2-Trichloroethane

Concen: 51.259 ug/l

RT: 8.47 min Scan# 806

Delta R.T. 0.00 min

Lab File: VF062161.D

Acq: 4 Apr 2019 17:06

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tgt Ion: 97 Resp: 68864

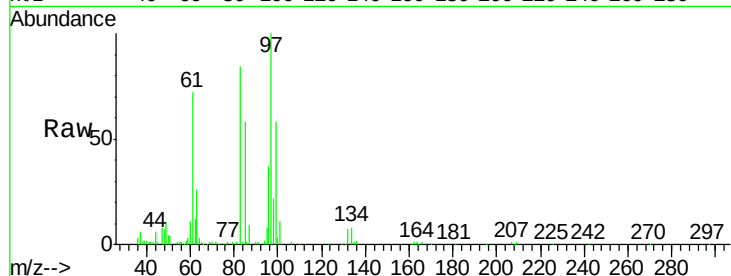
Ion Ratio Lower Upper

97 100

83 84.2 67.4 101.0

85 58.3 46.6 70.0

99 58.1 46.5 69.7

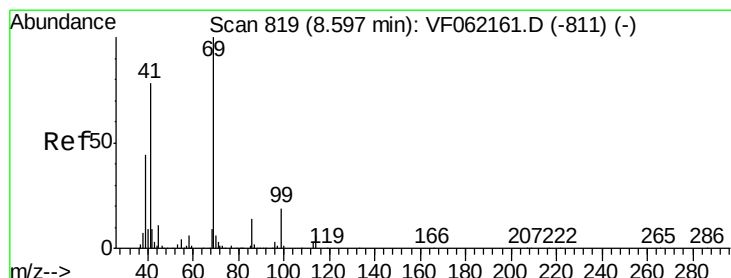
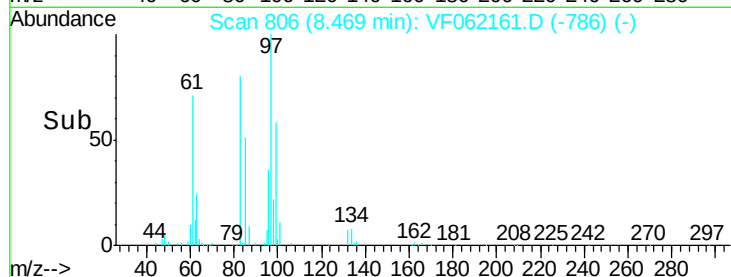
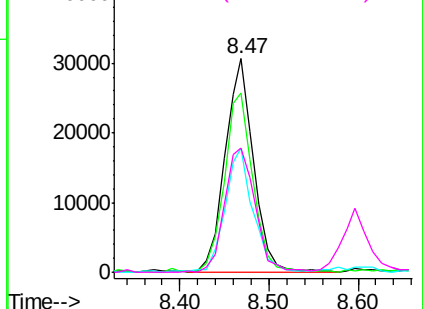


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 56.366 ug/l

RT: 8.60 min Scan# 819

Delta R.T. 0.00 min

Lab File: VF062161.D

Acq: 4 Apr 2019 17:06

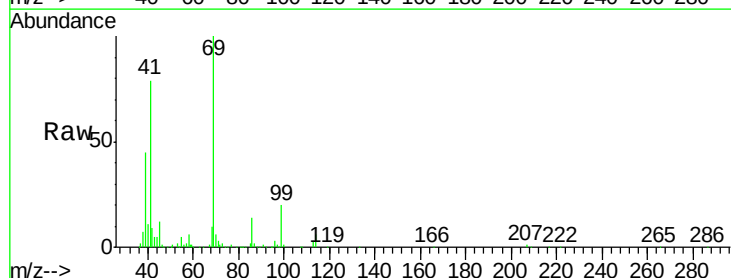
Tgt Ion: 69 Resp: 92128

Ion Ratio Lower Upper

69 100

41 78.7 63.0 94.4

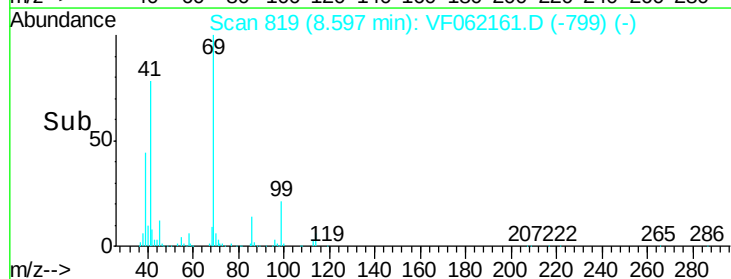
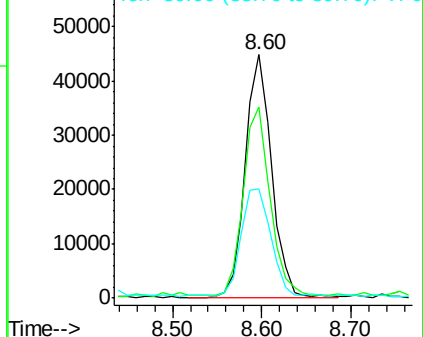
39 45.1 36.1 54.1

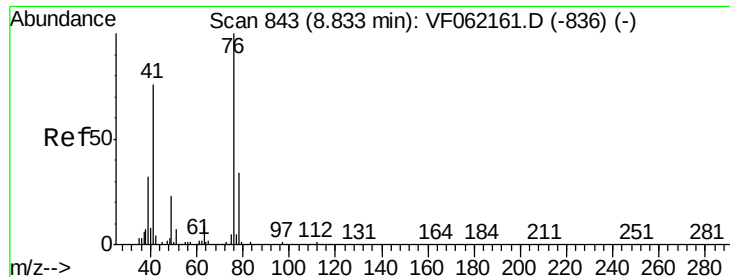


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 51.703 ug/l

RT: 8.83 min Scan# 843

Delta R.T. 0.00 min

Lab File: VF062161.D

Acq: 4 Apr 2019 17:06

Instrument :

MSVOA_F

ClientSampleId :

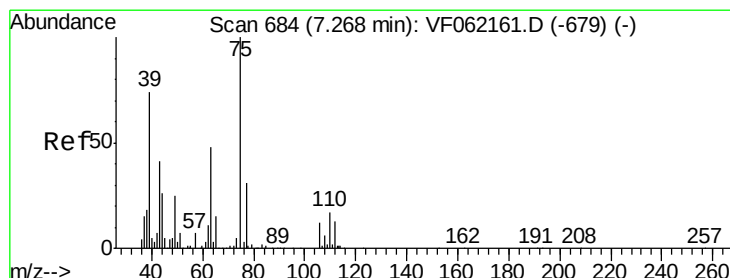
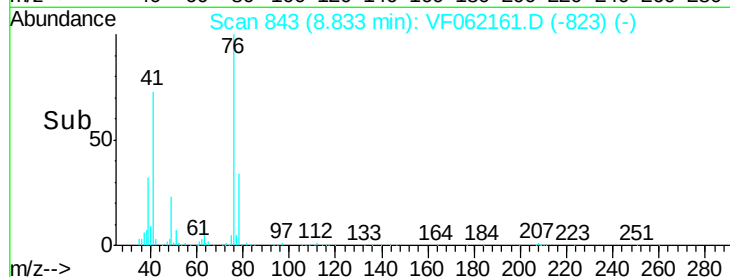
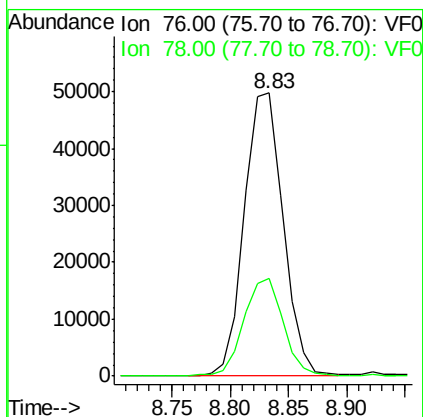
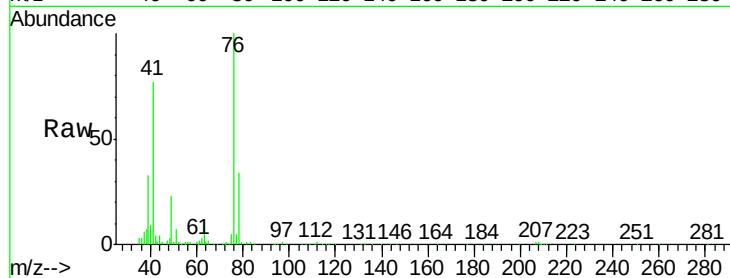
VSTDICCC050

Tgt Ion: 76 Resp: 115217

Ion Ratio Lower Upper

76 100

78 34.3 27.4 41.2



#58

2-Chloroethyl Vinyl ether

Concen: 277.252 ug/l

RT: 7.27 min Scan# 684

Delta R.T. 0.00 min

Lab File: VF062161.D

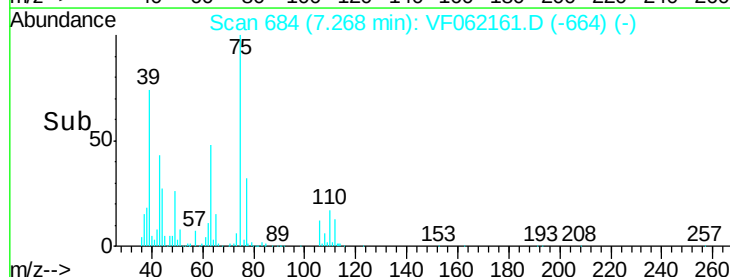
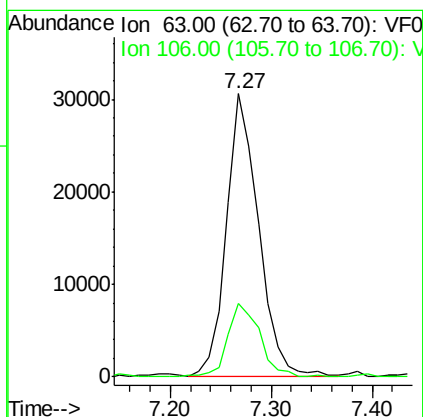
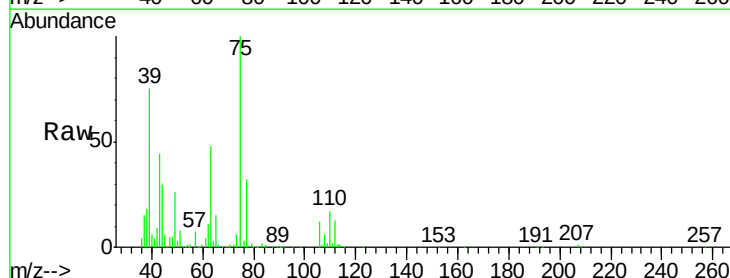
Acq: 4 Apr 2019 17:06

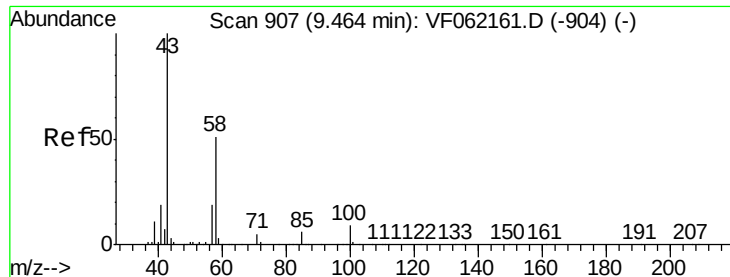
Tgt Ion: 63 Resp: 68050

Ion Ratio Lower Upper

63 100

106 25.8 20.6 31.0

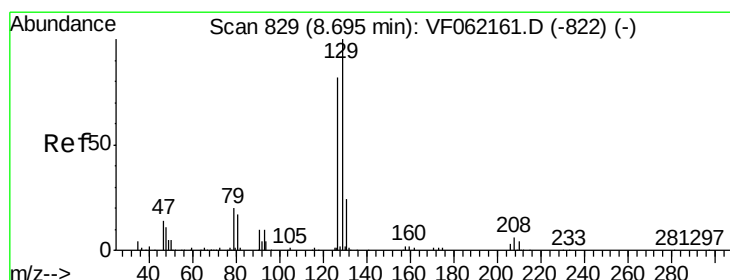
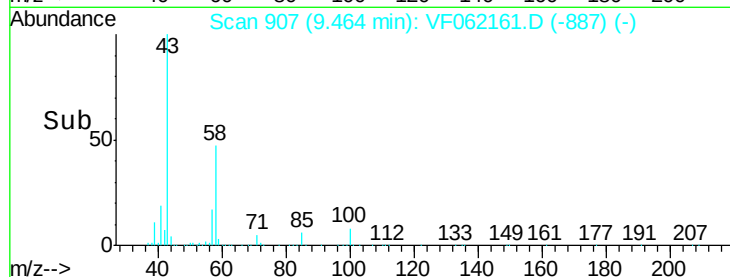
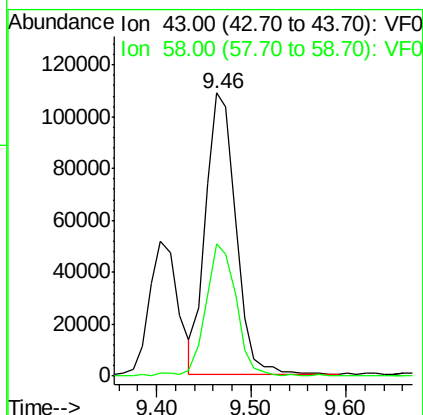
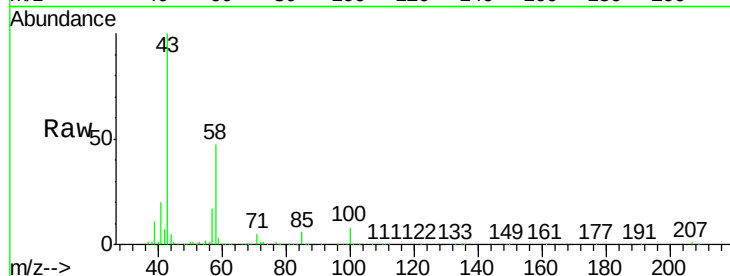




#59
2-Hexanone
Concen: 297.042 ug/l
RT: 9.46 min Scan# 907
Delta R.T. 0.00 min
Lab File: VF062161.D
Acq: 4 Apr 2019 17:06

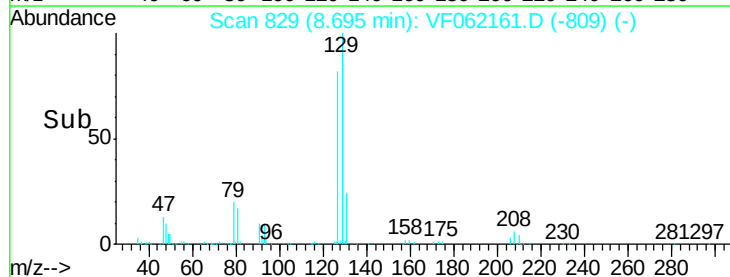
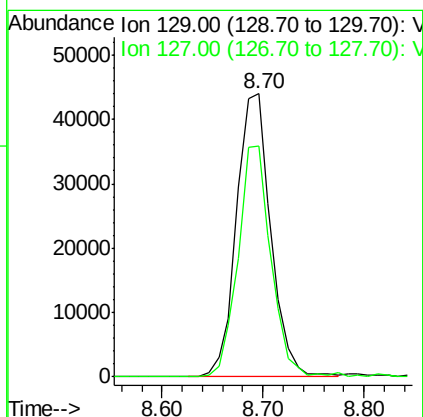
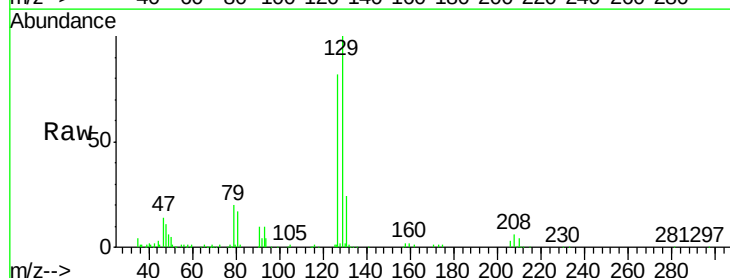
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

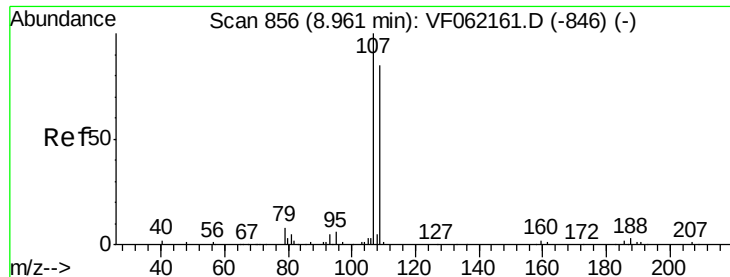
Tgt Ion: 43 Resp: 240095
Ion Ratio Lower Upper
43 100
58 46.6 23.3 69.9



#60
Dibromochloromethane
Concen: 54.763 ug/l
RT: 8.70 min Scan# 829
Delta R.T. 0.00 min
Lab File: VF062161.D
Acq: 4 Apr 2019 17:06

Tgt Ion: 129 Resp: 103654
Ion Ratio Lower Upper
129 100
127 81.8 40.9 122.7





#61

1,2-Dibromoethane

Concen: 52.589 ug/l

RT: 8.96 min Scan# 856

Delta R.T. 0.00 min

Lab File: VF062161.D

Acq: 4 Apr 2019 17:06

Instrument :

MSVOA_F

ClientSampleId :

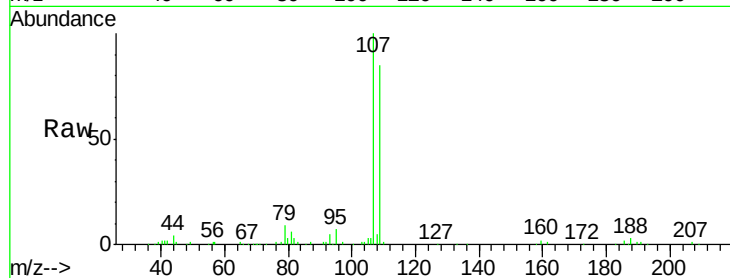
VSTDICCC050

Tgt Ion: 107 Resp: 75293

Ion Ratio Lower Upper

107 100

109 85.5 68.4 102.6



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

8.96

40000

30000

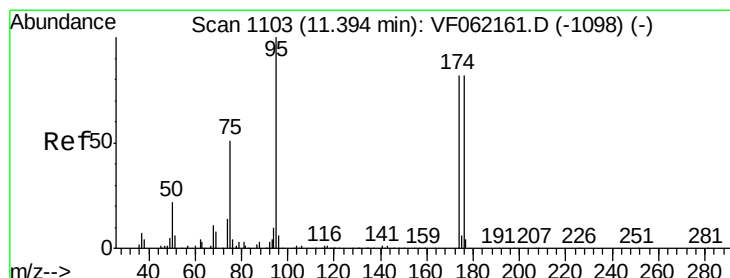
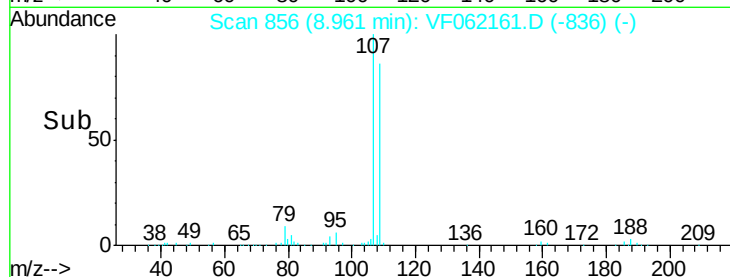
20000

10000

0

Time-->

8.80 8.90 9.00



#62

4-Bromofluorobenzene

Concen: 59.220 ug/l

RT: 11.39 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VF062161.D

Acq: 4 Apr 2019 17:06

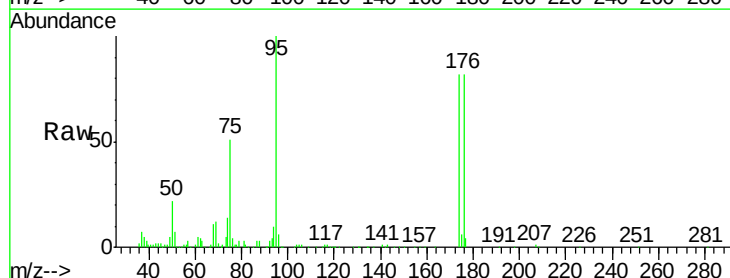
Tgt Ion: 95 Resp: 151649

Ion Ratio Lower Upper

95 100

174 82.4 0.0 164.8

176 82.3 0.0 164.6



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

120000

100000

80000

60000

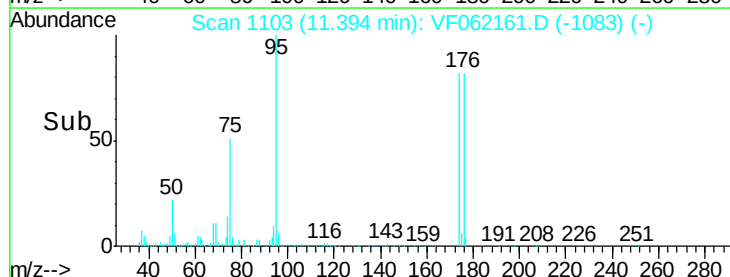
40000

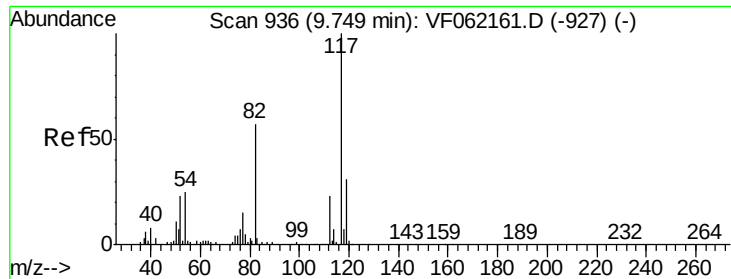
20000

0

Time-->

11.30 11.40 11.50 11.60

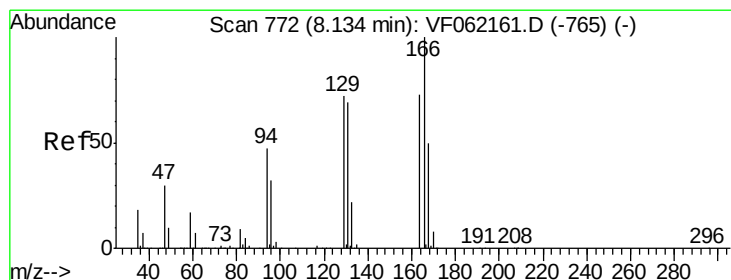
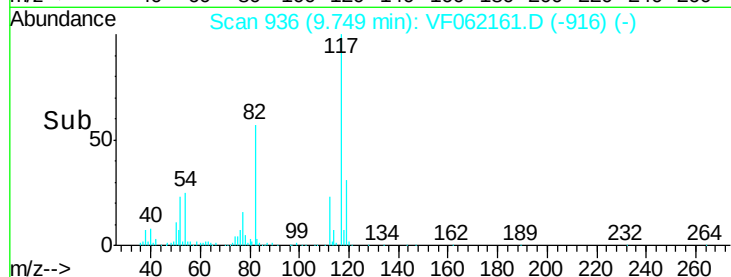
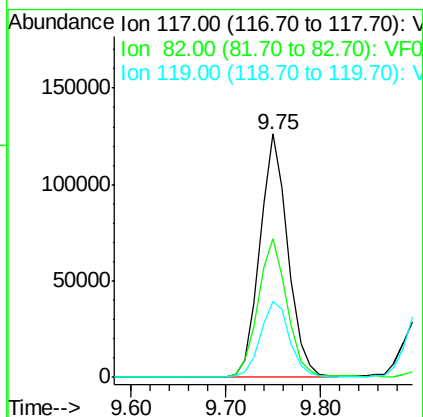
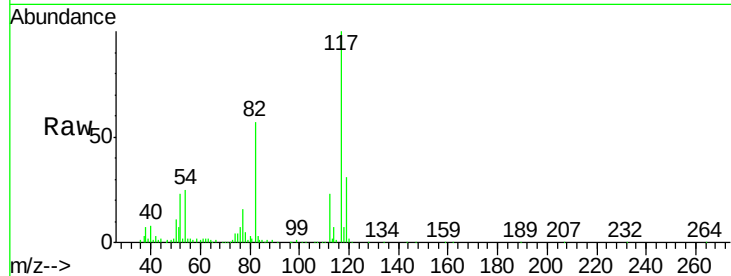




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.75 min Scan# 936
Delta R.T. 0.00 min
Lab File: VF062161.D
Acq: 4 Apr 2019 17:06

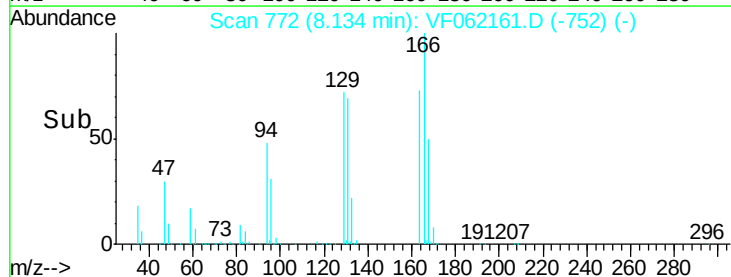
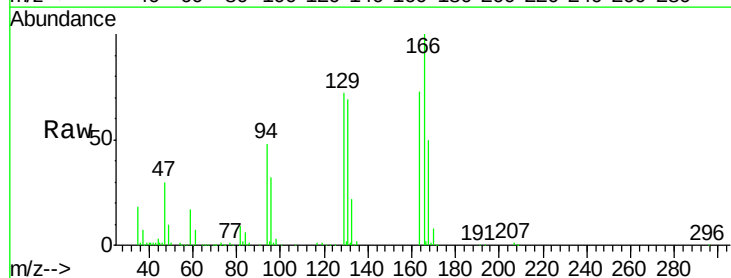
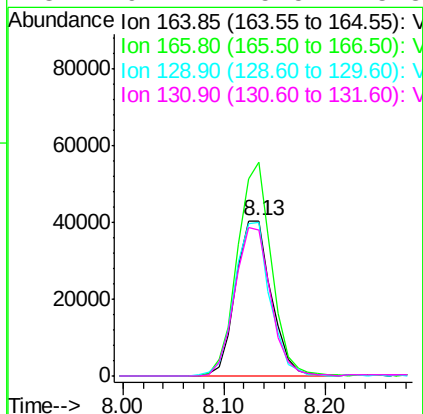
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

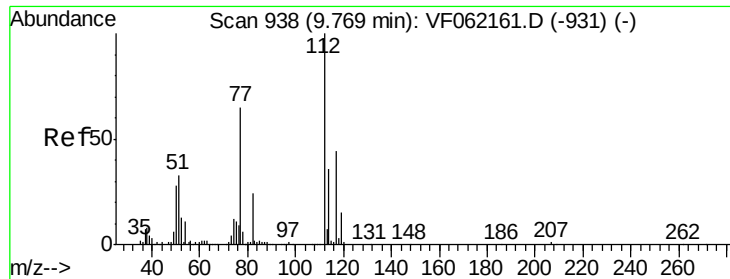
Tgt Ion:117 Resp: 260836
Ion Ratio Lower Upper
117 100
82 56.9 45.5 68.3
119 31.1 24.9 37.3



#64
Tetrachloroethene
Concen: 49.404 ug/l
RT: 8.13 min Scan# 772
Delta R.T. 0.00 min
Lab File: VF062161.D
Acq: 4 Apr 2019 17:06

Tgt Ion:164 Resp: 99249
Ion Ratio Lower Upper
164 100
166 137.7 110.2 165.2
129 98.8 79.0 118.6
131 94.4 75.5 113.3

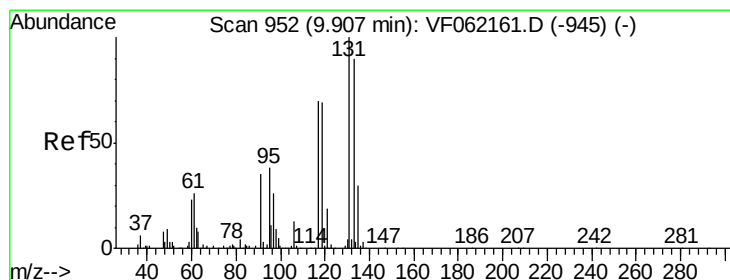
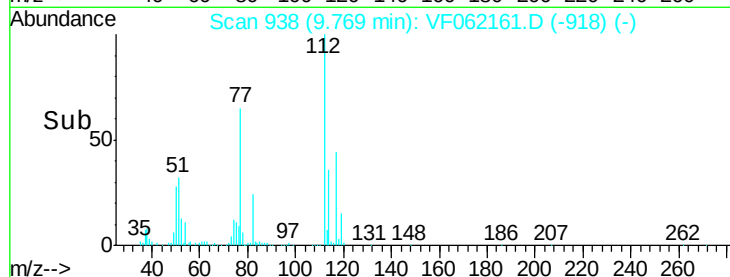
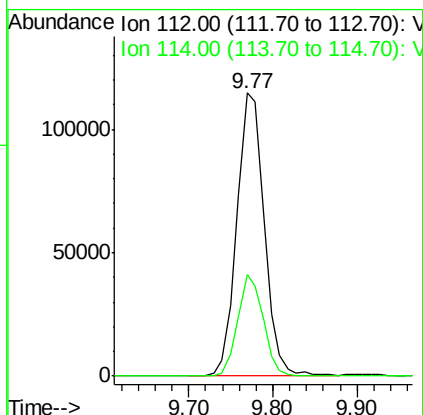
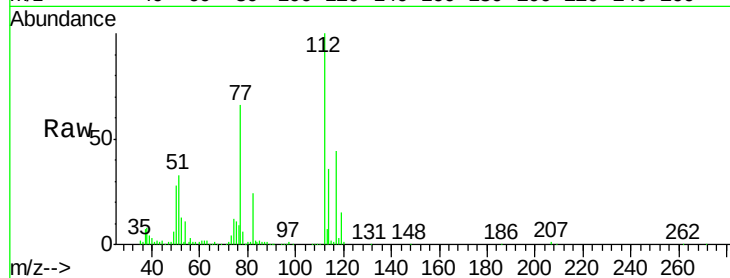




#65
Chlorobenzene
Concen: 53.014 ug/l
RT: 9.77 min Scan# 938
Delta R.T. 0.00 min
Lab File: VF062161.D
Acq: 4 Apr 2019 17:06

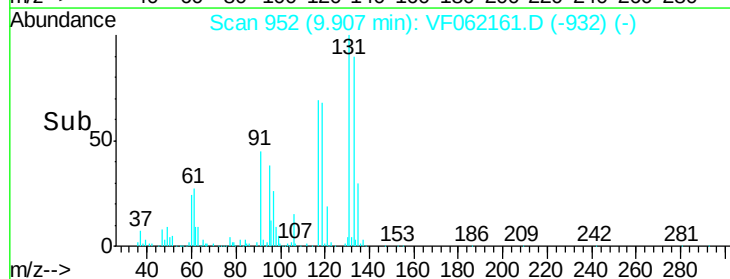
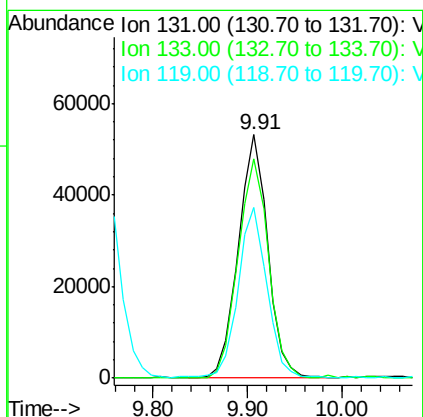
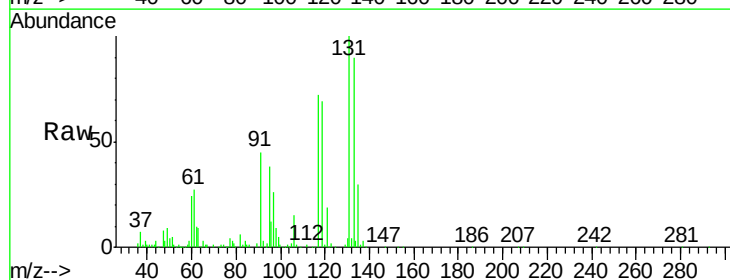
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

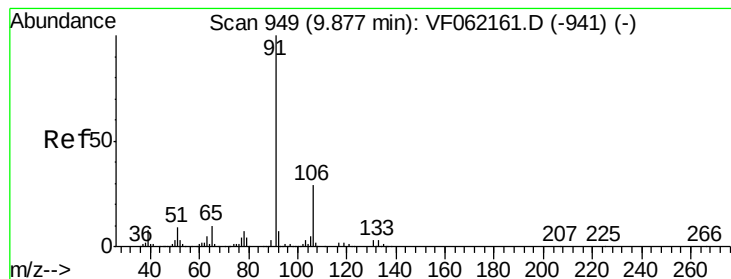
Tgt Ion:112 Resp: 261076
Ion Ratio Lower Upper
112 100
114 35.8 28.6 43.0



#66
1,1,1,2-Tetrachloroethane
Concen: 57.097 ug/l
RT: 9.91 min Scan# 952
Delta R.T. 0.00 min
Lab File: VF062161.D
Acq: 4 Apr 2019 17:06

Tgt Ion:131 Resp: 114747
Ion Ratio Lower Upper
131 100
133 90.2 45.1 135.3
119 69.8 34.9 104.7





#67

Ethyl Benzene

Concen: 57.920 ug/l

RT: 9.88 min Scan# 949

Delta R.T. 0.00 min

Lab File: VF062161.D

Acq: 4 Apr 2019 17:06

Instrument :

MSVOA_F

ClientSampleId :

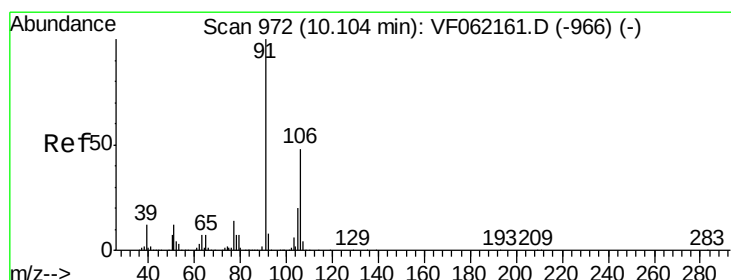
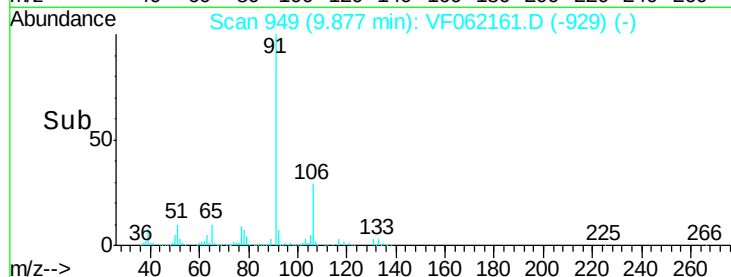
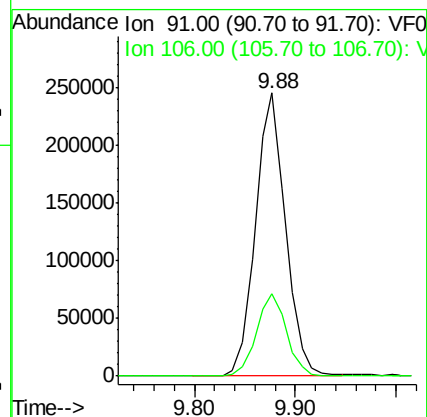
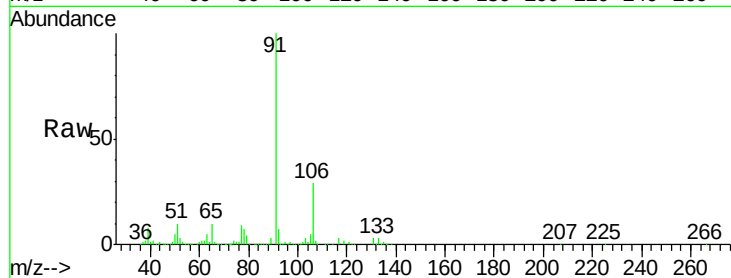
VSTDICCC050

Tgt Ion: 91 Resp: 507403

Ion Ratio Lower Upper

91 100

106 29.0 23.2 34.8



#68

m/p-Xylenes

Concen: 112.948 ug/l

RT: 10.10 min Scan# 972

Delta R.T. 0.00 min

Lab File: VF062161.D

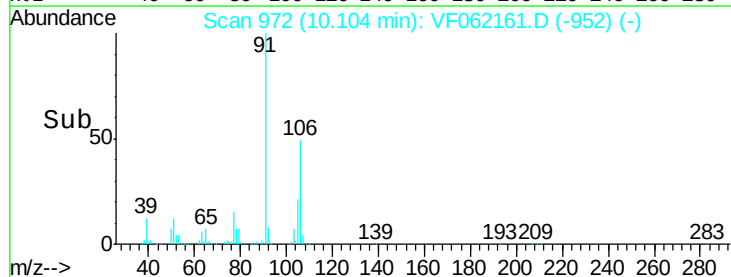
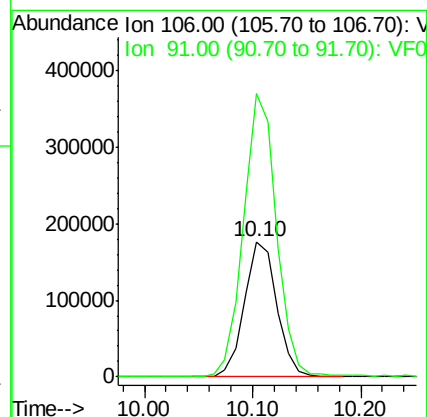
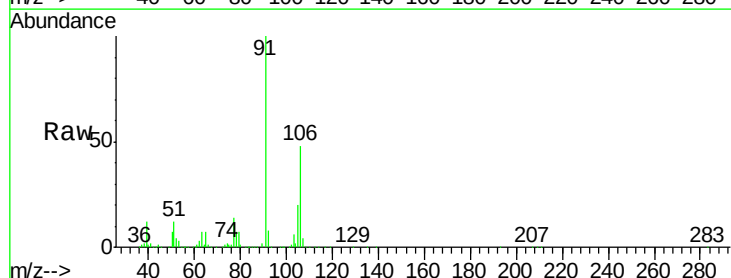
Acq: 4 Apr 2019 17:06

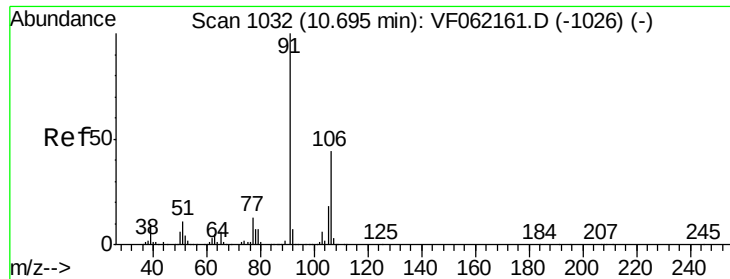
Tgt Ion: 106 Resp: 368186

Ion Ratio Lower Upper

106 100

91 209.1 167.3 250.9

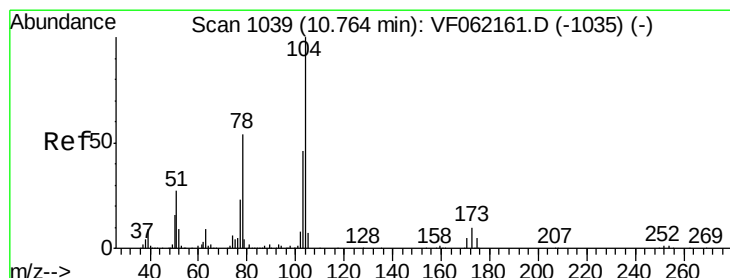
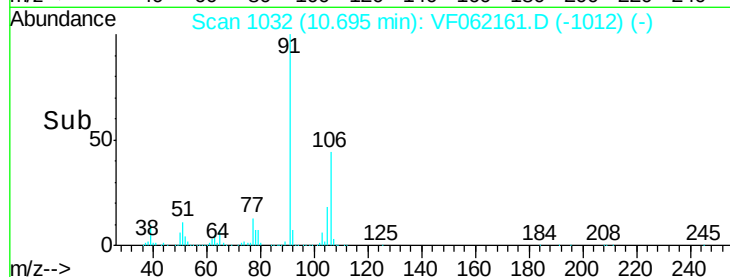
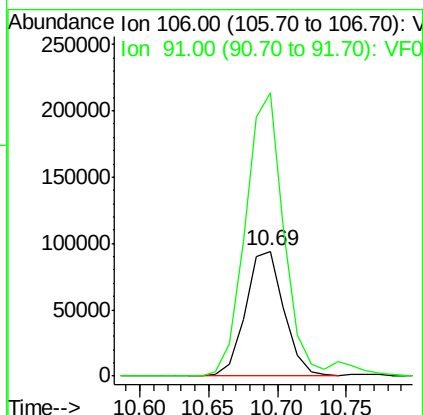
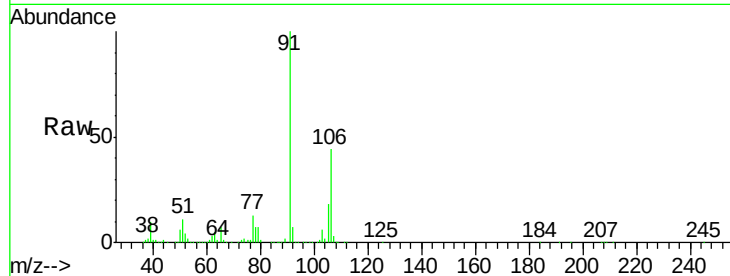




#69
o-Xylene
Concen: 54.823 ug/l
RT: 10.69 min Scan# 1032
Delta R.T. 0.00 min
Lab File: VF062161.D
Acq: 4 Apr 2019 17:06

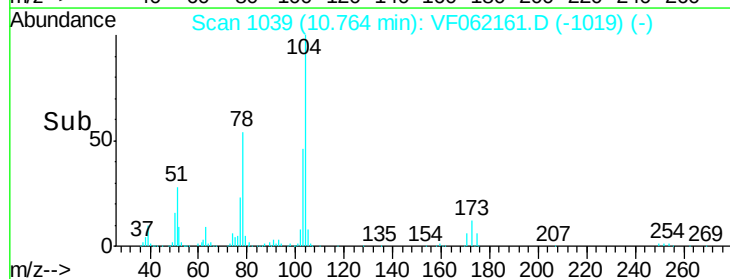
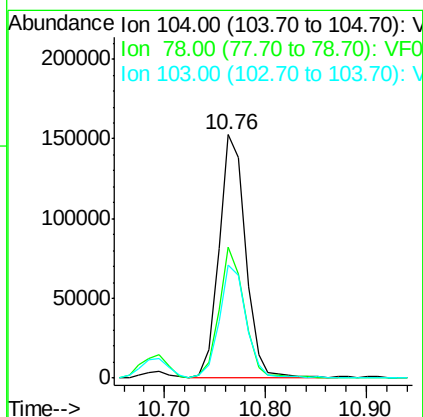
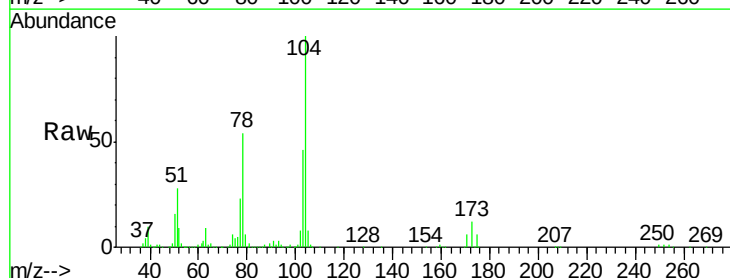
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

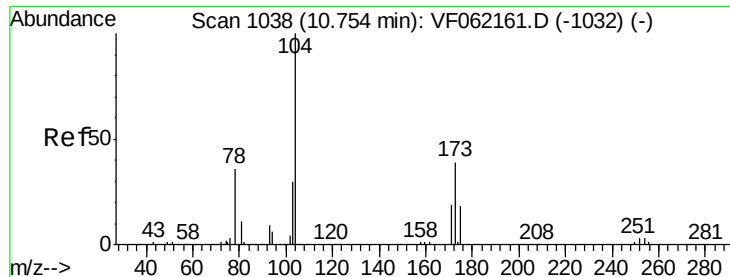
Tgt Ion:106 Resp: 183056
Ion Ratio Lower Upper
106 100
91 226.7 113.3 340.1



#70
Styrene
Concen: 54.086 ug/l
RT: 10.76 min Scan# 1039
Delta R.T. 0.00 min
Lab File: VF062161.D
Acq: 4 Apr 2019 17:06

Tgt Ion:104 Resp: 278804
Ion Ratio Lower Upper
104 100
78 53.9 43.1 64.7
103 46.3 37.0 55.6





#71

Bromoform

Concen: 57.192 ug/l

RT: 10.75 min Scan# 1038

Delta R.T. 0.00 min

Lab File: VF062161.D

Acq: 4 Apr 2019 17:06

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

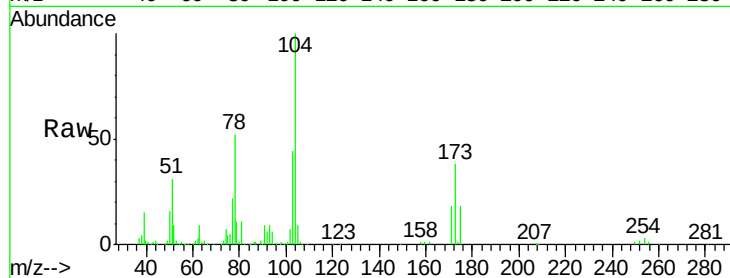
Tgt Ion:173 Resp: 59015

Ion Ratio Lower Upper

173 100

175 45.8 22.9 68.7

254 8.4 6.7 10.1

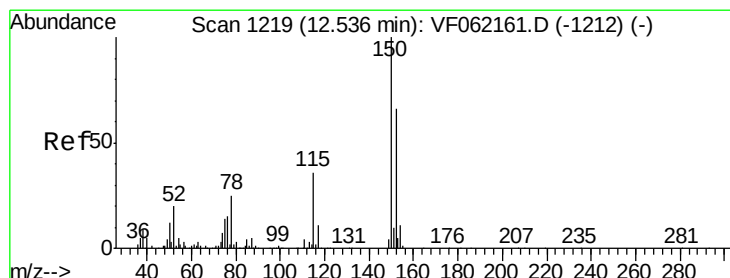
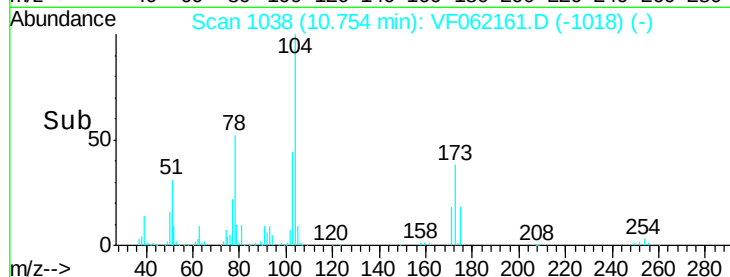
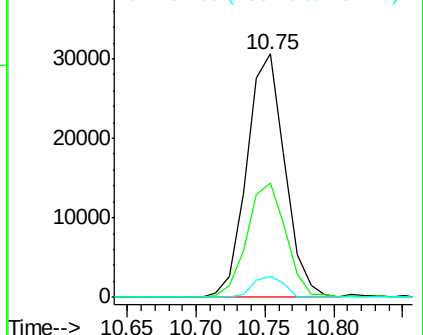


Abundance

Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.54 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VF062161.D

Acq: 4 Apr 2019 17:06

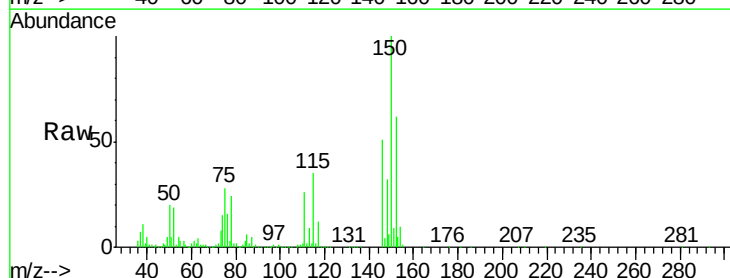
Tgt Ion:152 Resp: 132408

Ion Ratio Lower Upper

152 100

115 56.6 28.3 84.9

150 161.3 0.0 322.6

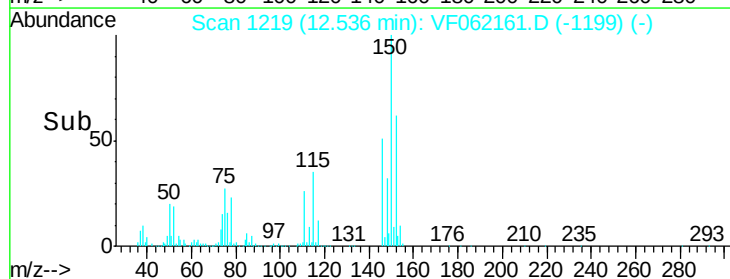
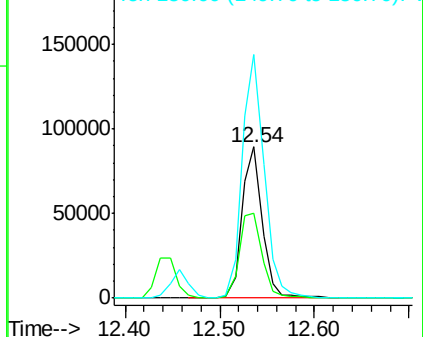


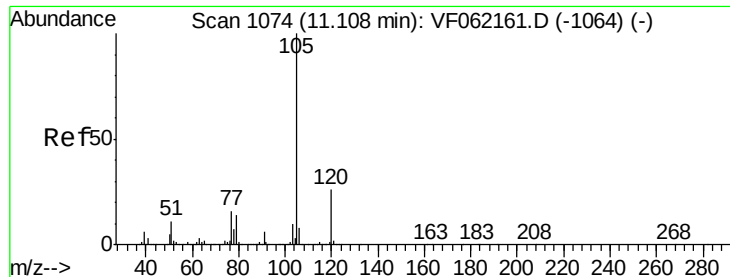
Abundance

Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V

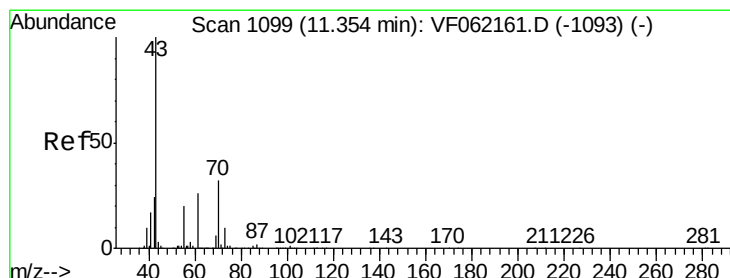
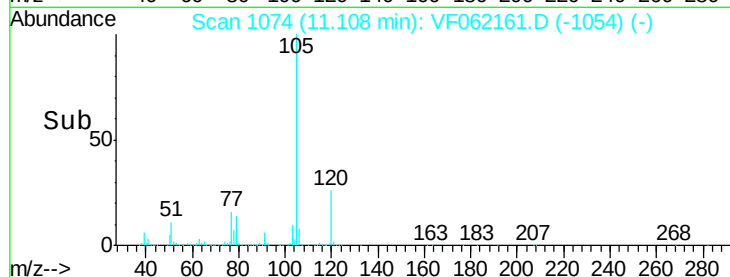
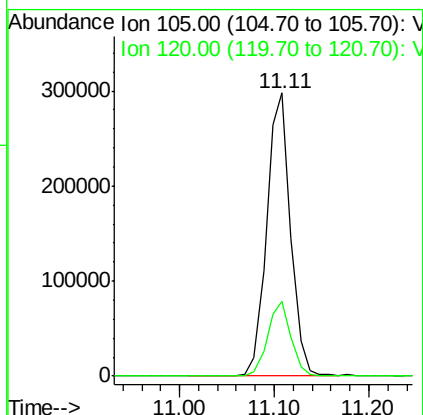
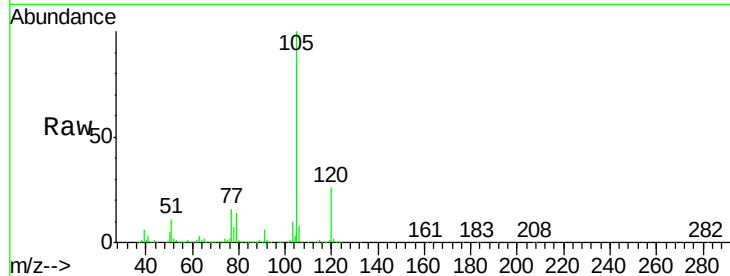




#73
Isopropylbenzene
Concen: 55.499 ug/l
RT: 11.11 min Scan# 1074
Delta R.T. 0.00 min
Lab File: VF062161.D
Acq: 4 Apr 2019 17:06

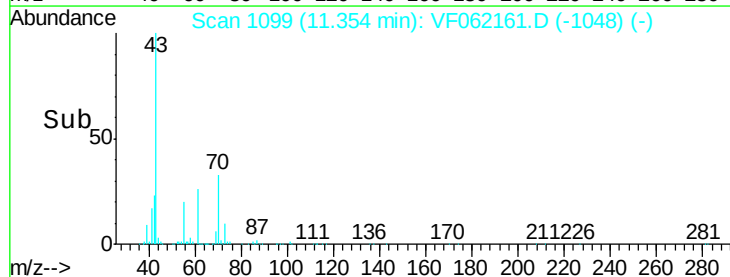
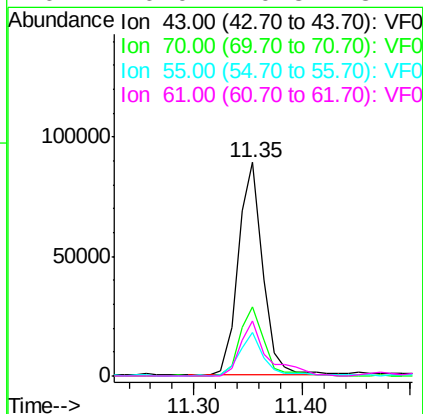
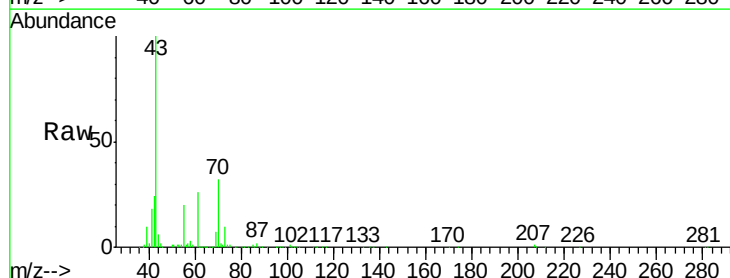
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

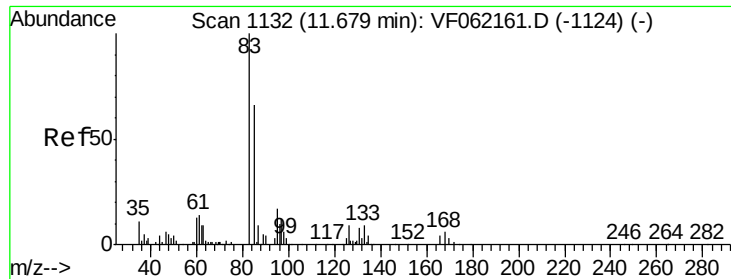
Tgt Ion: 105 Resp: 525355
Ion Ratio Lower Upper
105 100
120 26.2 13.1 39.3



#74
N-ethyl acetate
Concen: 61.209 ug/l
RT: 11.35 min Scan# 1099
Delta R.T. 0.00 min
Lab File: VF062161.D
Acq: 4 Apr 2019 17:06

Tgt Ion: 43 Resp: 140576
Ion Ratio Lower Upper
43 100
70 32.4 25.9 38.9
55 20.4 16.3 24.5
61 26.0 20.8 31.2





#75

1,1,2,2-Tetrachloroethane

Concen: 51.367 ug/l

RT: 11.68 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VF062161.D

Acq: 4 Apr 2019 17:06

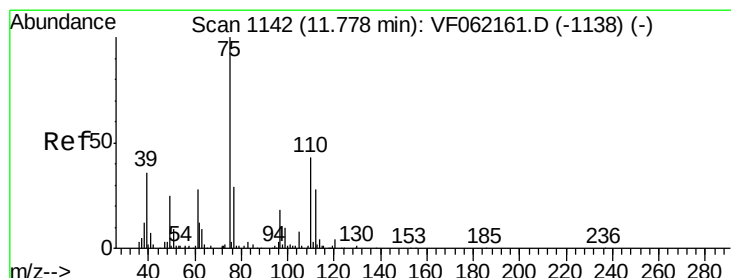
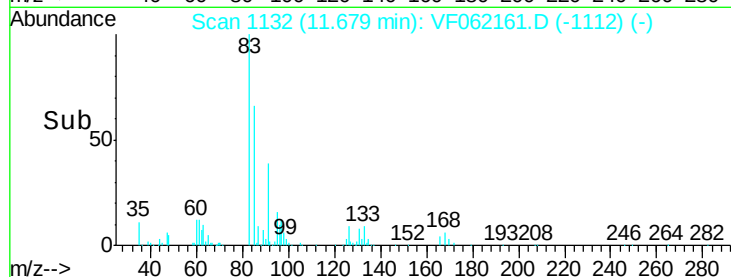
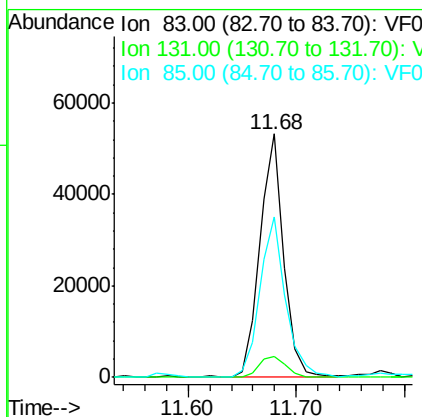
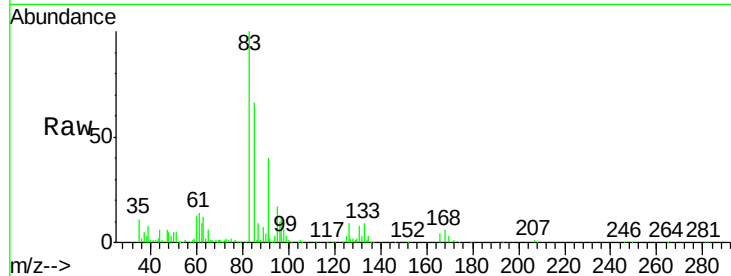
Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tgt Ion:	83	Resp:	81721
Ion	Ratio	Lower	Upper
83	100		
131	8.5	4.3	12.8
85	66.1	33.1	99.2



#76

1,2,3-Trichloropropane

Concen: 56.546 ug/l

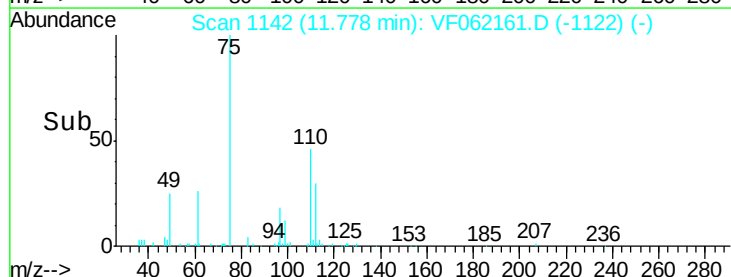
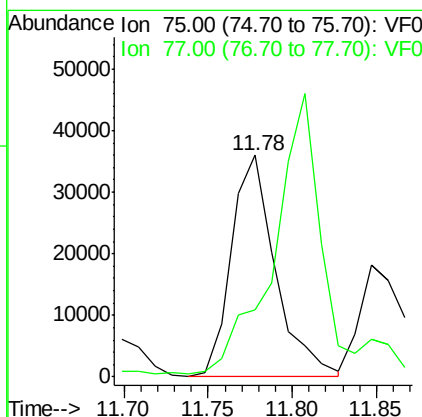
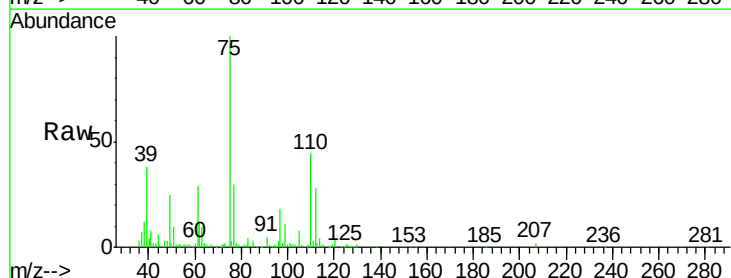
RT: 11.78 min Scan# 1142

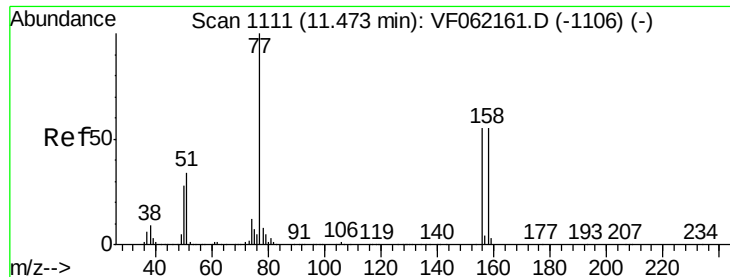
Delta R.T. 0.00 min

Lab File: VF062161.D

Acq: 4 Apr 2019 17:06

Tgt Ion:	75	Resp:	65476
Ion	Ratio	Lower	Upper
75	100		
77	30.0	15.0	45.0





#77

Bromobenzene

Concen: 50.130 ug/l

RT: 11.47 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VF062161.D

Acq: 4 Apr 2019 17:06

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

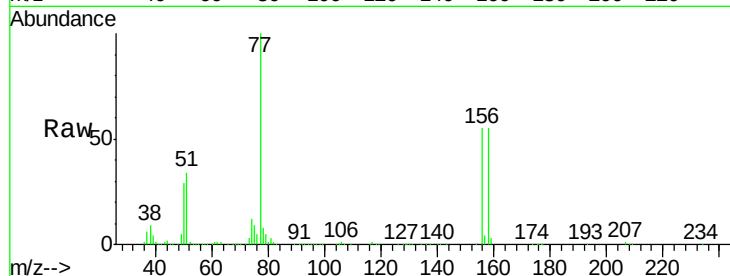
Tgt Ion: 156 Resp: 114349

Ion Ratio Lower Upper

156 100

77 181.9 91.0 272.8

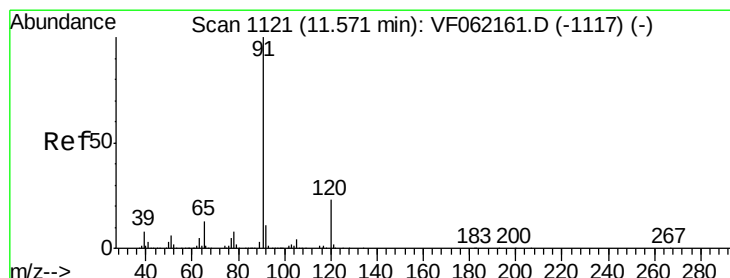
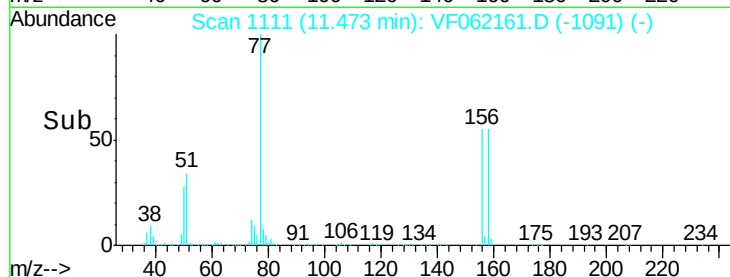
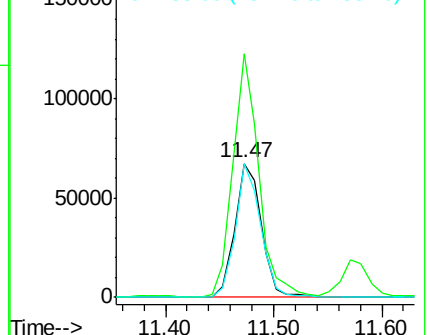
158 99.4 49.7 149.1



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: 57.460 ug/l

RT: 11.57 min Scan# 1121

Delta R.T. 0.00 min

Lab File: VF062161.D

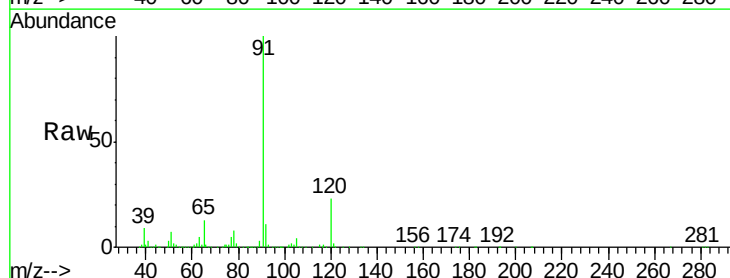
Acq: 4 Apr 2019 17:06

Tgt Ion: 91 Resp: 639402

Ion Ratio Lower Upper

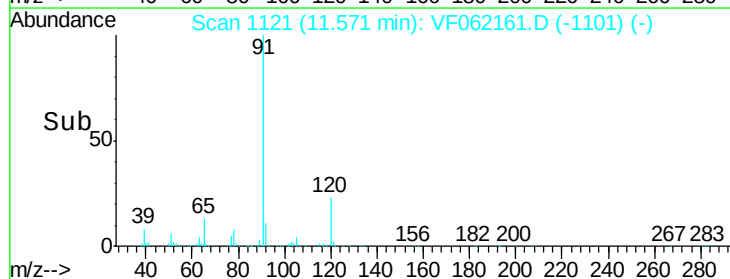
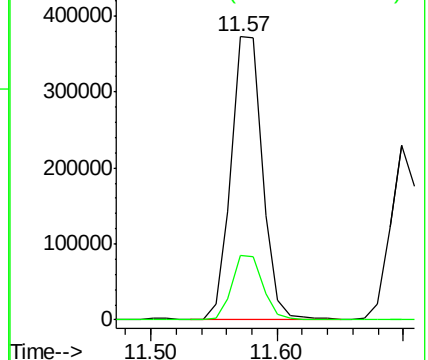
91 100

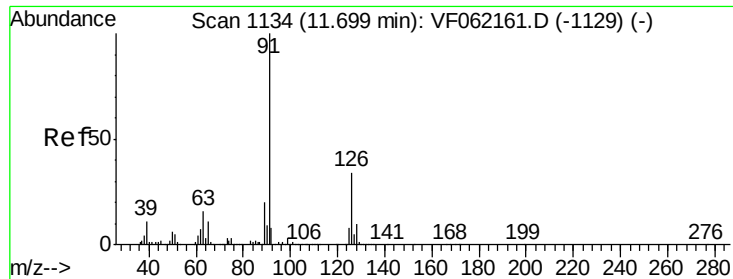
120 22.8 11.4 34.2



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

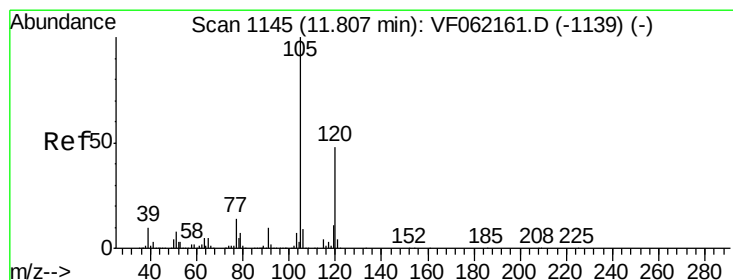
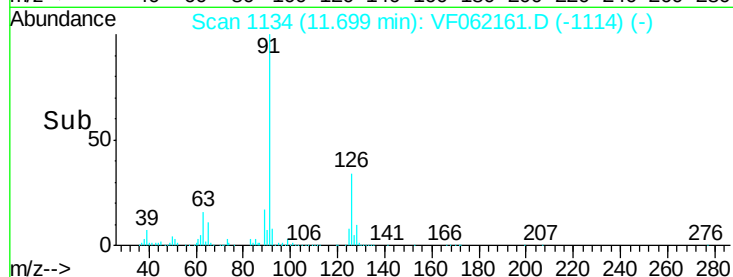
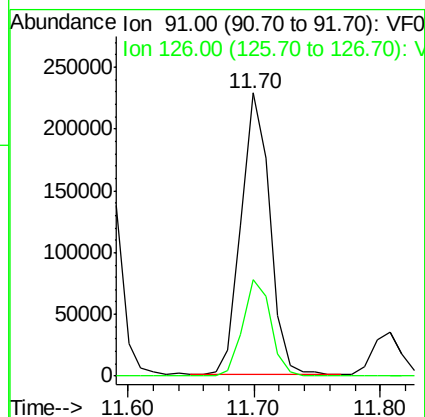
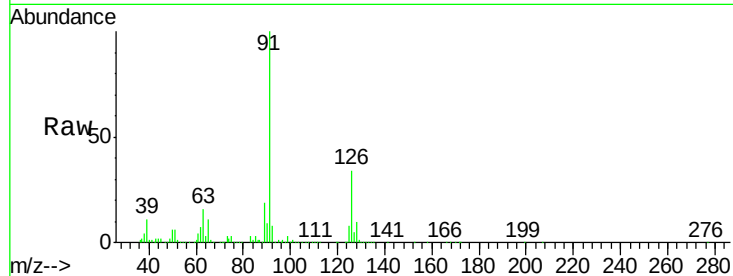




#79
2-Chlorotoluene
Concen: 57.945 ug/l
RT: 11.70 min Scan# 1134
Delta R.T. 0.00 min
Lab File: VF062161.D
Acq: 4 Apr 2019 17:06

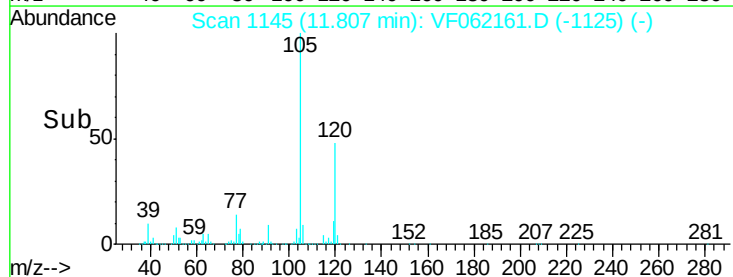
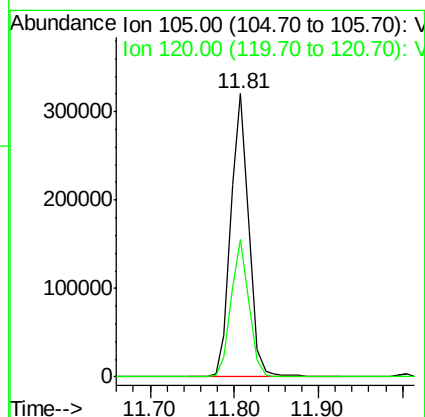
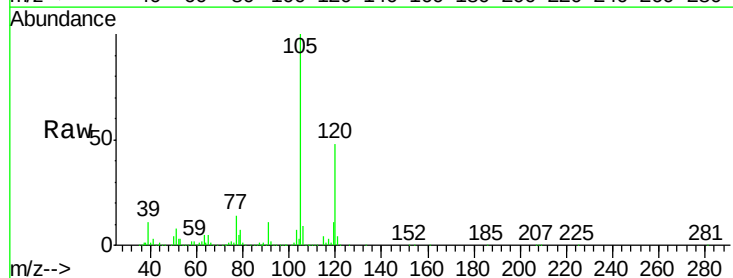
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

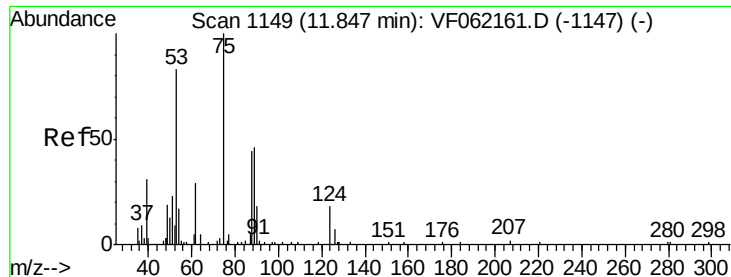
Tgt Ion: 91 Resp: 357394
Ion Ratio Lower Upper
91 100
126 34.0 17.0 51.0



#80
1,3,5-Trimethylbenzene
Concen: 59.874 ug/l
RT: 11.81 min Scan# 1145
Delta R.T. 0.00 min
Lab File: VF062161.D
Acq: 4 Apr 2019 17:06

Tgt Ion: 105 Resp: 473864
Ion Ratio Lower Upper
105 100
120 48.4 24.2 72.6





#81

trans-1,4-Dichloro-2-butene

Concen: 88.335 ug/l

RT: 11.85 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VF062161.D

Acq: 4 Apr 2019 17:06

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

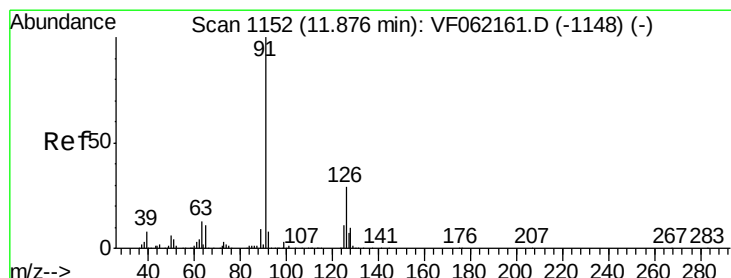
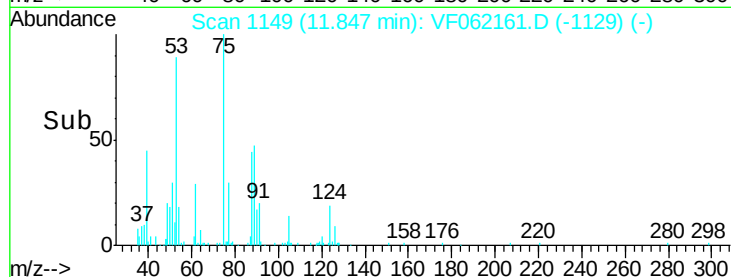
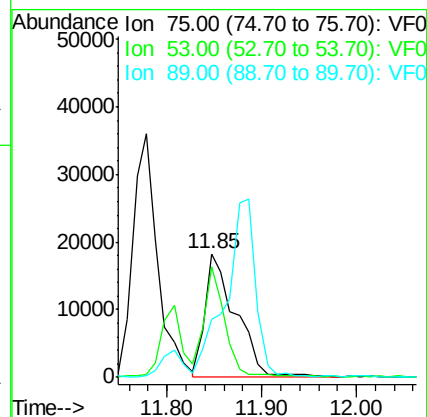
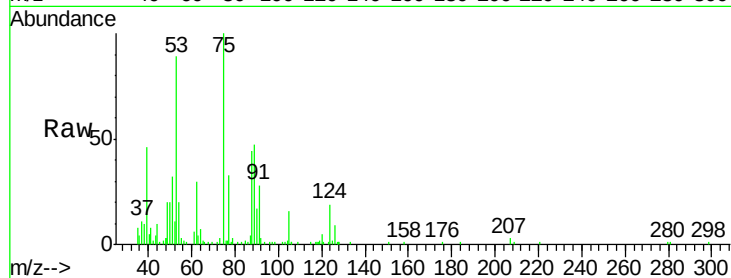
Tgt Ion: 75 Resp: 41965

Ion Ratio Lower Upper

75 100

53 89.2 71.4 107.0

89 47.4 37.9 56.9



#82

4-Chlorotoluene

Concen: 59.148 ug/l

RT: 11.88 min Scan# 1152

Delta R.T. 0.00 min

Lab File: VF062161.D

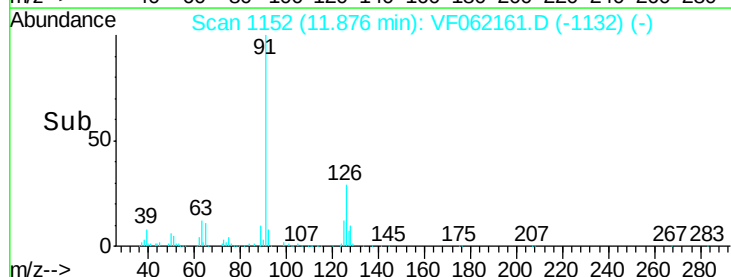
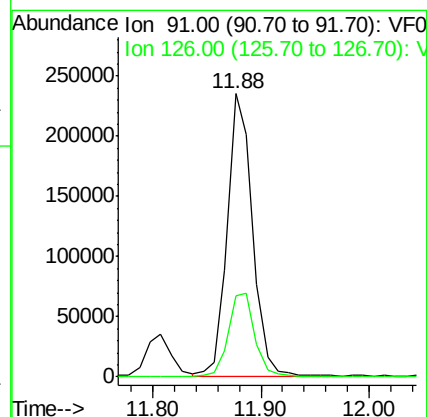
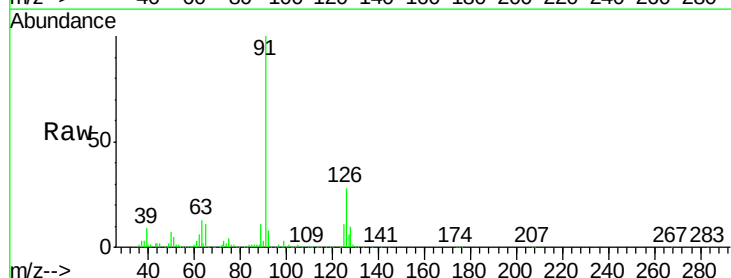
Acq: 4 Apr 2019 17:06

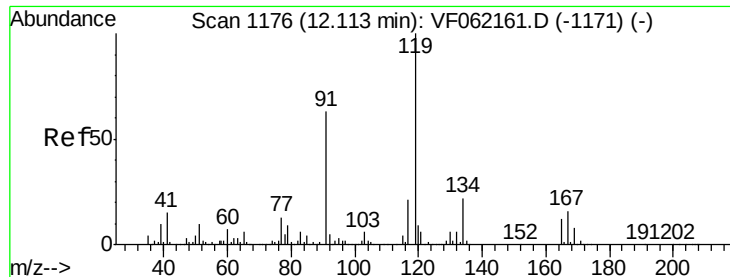
Tgt Ion: 91 Resp: 378695

Ion Ratio Lower Upper

91 100

126 28.5 14.2 42.8

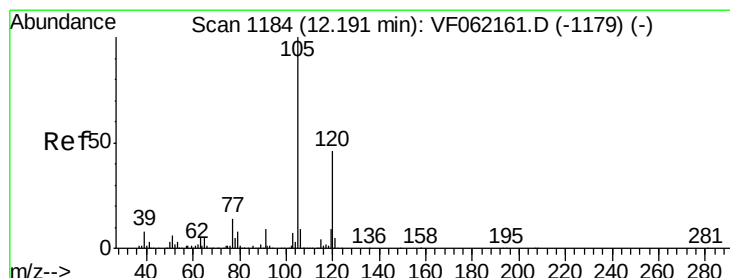
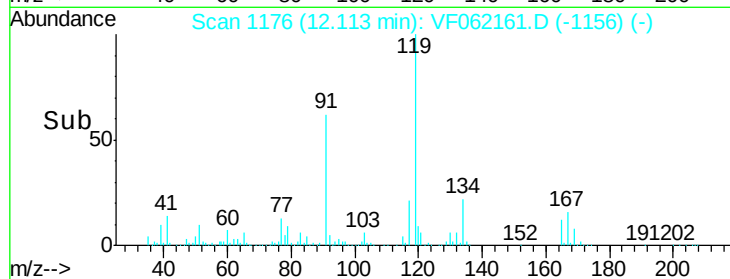
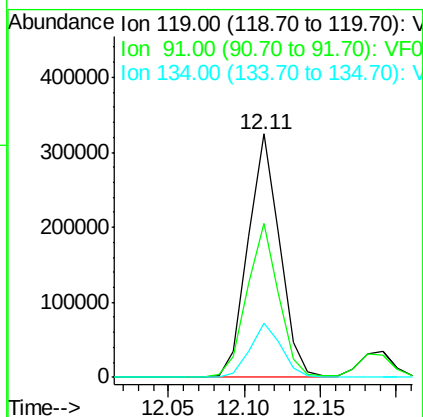
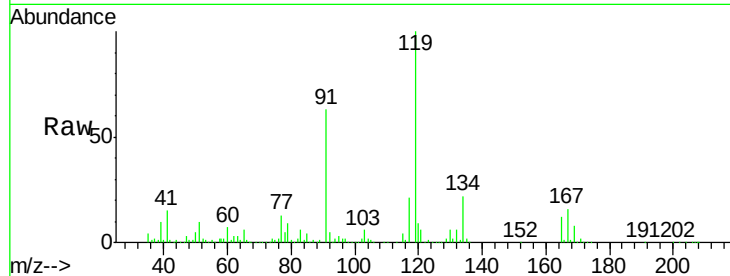




#83
 tert-Butylbenzene
 Concen: 57.912 ug/l
 RT: 12.11 min Scan# 1176
 Delta R.T. 0.00 min
 Lab File: VF062161.D
 Acq: 4 Apr 2019 17:06

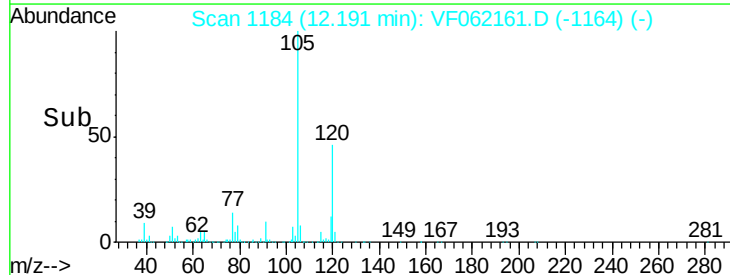
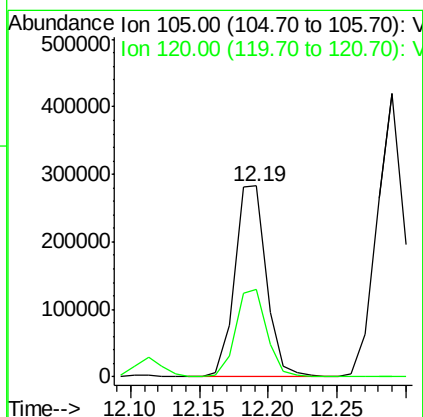
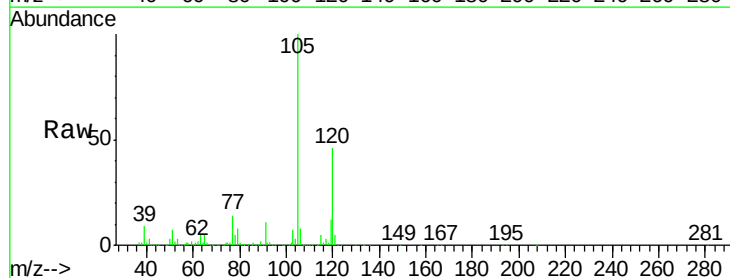
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

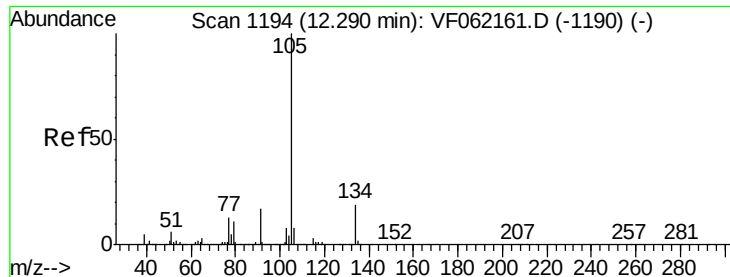
Tgt Ion:119 Resp: 475360
 Ion Ratio Lower Upper
 119 100
 91 63.1 31.6 94.7
 134 22.2 11.1 33.3



#84
 1,2,4-Trimethylbenzene
 Concen: 58.330 ug/l
 RT: 12.19 min Scan# 1184
 Delta R.T. 0.00 min
 Lab File: VF062161.D
 Acq: 4 Apr 2019 17:06

Tgt Ion:105 Resp: 451500
 Ion Ratio Lower Upper
 105 100
 120 45.7 22.9 68.5





#85

sec-Butylbenzene

Concen: 55.822 ug/l

RT: 12.29 min Scan# 1194

Delta R.T. 0.00 min

Lab File: VF062161.D

Acq: 4 Apr 2019 17:06

Instrument :

MSVOA_F

ClientSampleId :

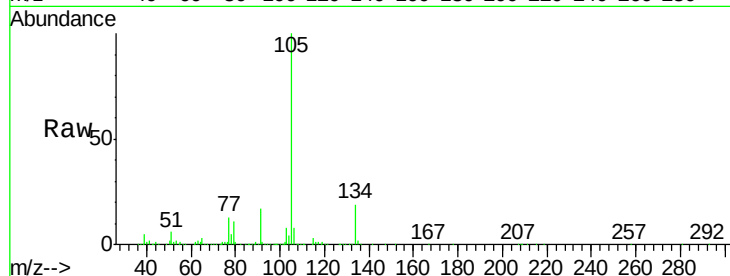
VSTDICCC050

Tgt Ion:105 Resp: 590294

Ion Ratio Lower Upper

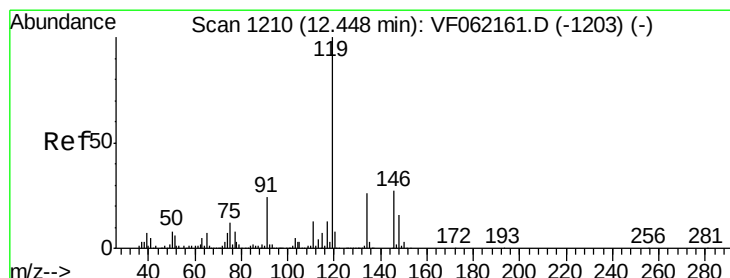
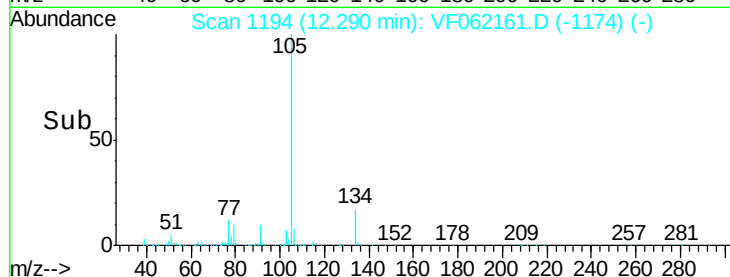
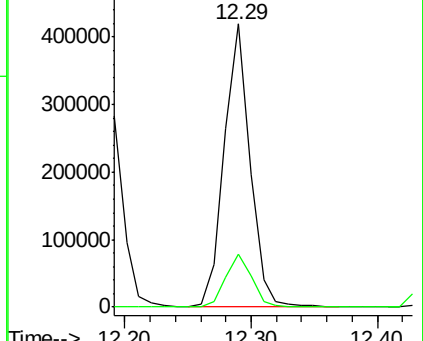
105 100

134 18.7 9.3 28.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 58.335 ug/l

RT: 12.45 min Scan# 1210

Delta R.T. 0.00 min

Lab File: VF062161.D

Acq: 4 Apr 2019 17:06

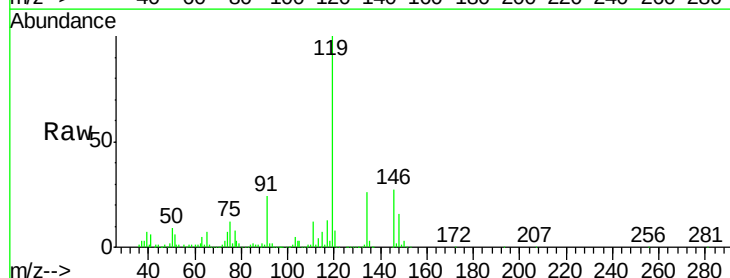
Tgt Ion:119 Resp: 543653

Ion Ratio Lower Upper

119 100

134 26.3 13.2 39.5

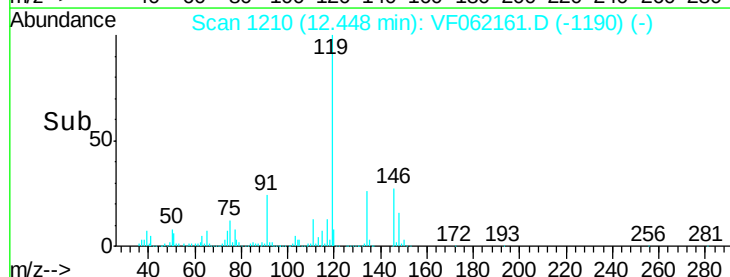
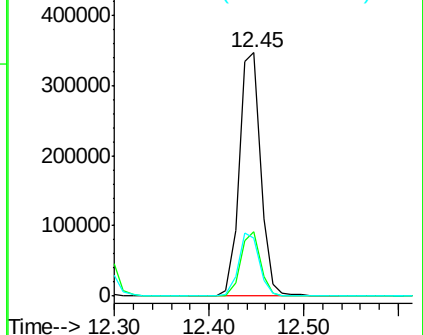
91 24.0 12.0 36.0

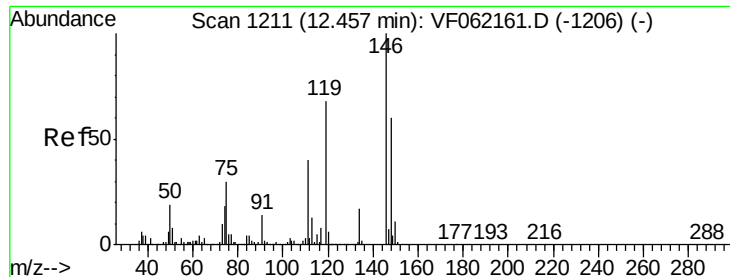


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0

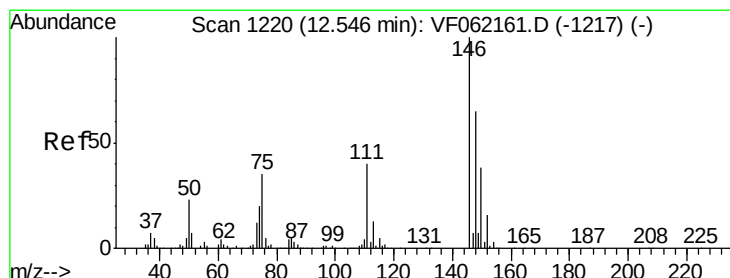
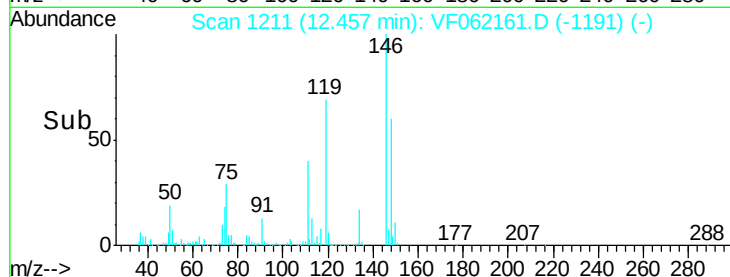
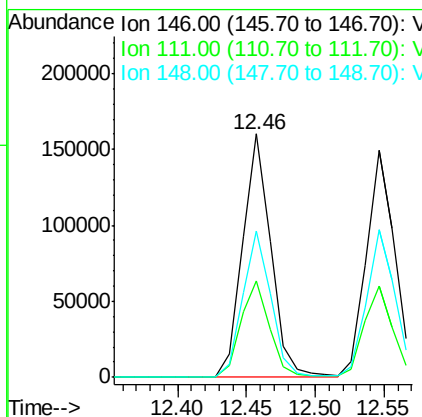
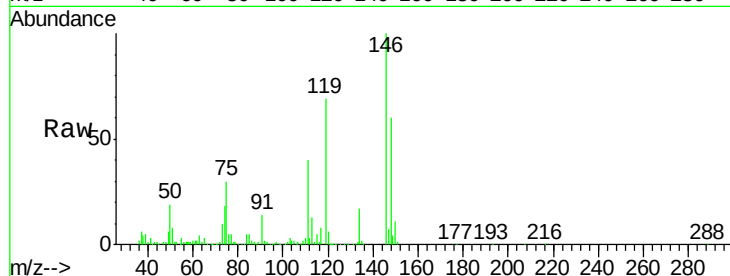




#87
 1,3-Dichlorobenzene
 Concen: 53.602 ug/l
 RT: 12.46 min Scan# 1211
 Delta R.T. 0.00 min
 Lab File: VF062161.D
 Acq: 4 Apr 2019 17:06

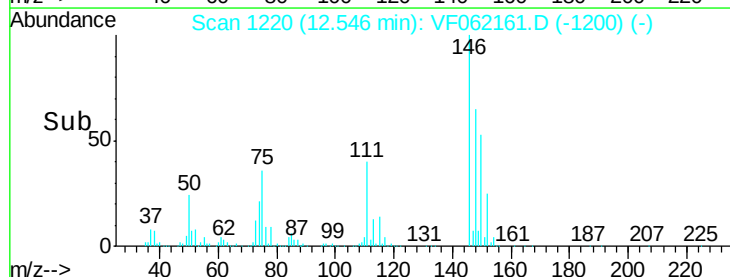
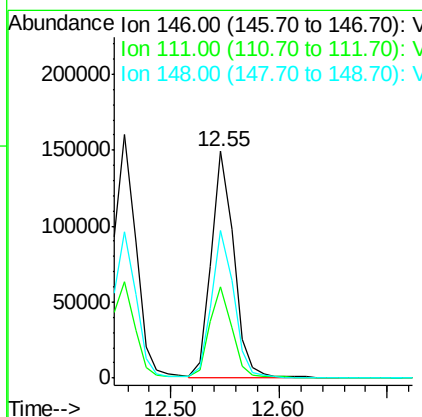
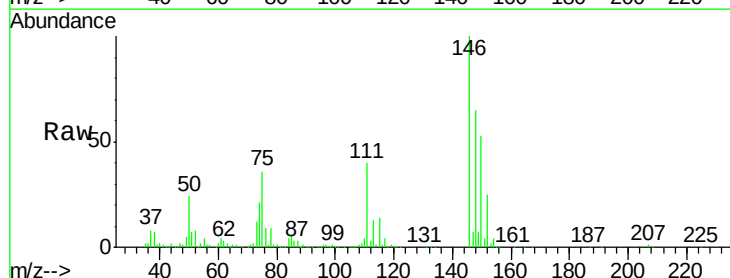
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

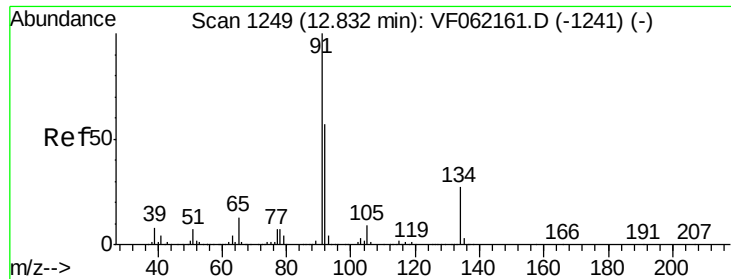
Tgt Ion:146 Resp: 230735
 Ion Ratio Lower Upper
 146 100
 111 39.7 19.9 59.6
 148 60.0 30.0 90.0



#88
 1,4-Dichlorobenzene
 Concen: 53.043 ug/l
 RT: 12.55 min Scan# 1220
 Delta R.T. 0.00 min
 Lab File: VF062161.D
 Acq: 4 Apr 2019 17:06

Tgt Ion:146 Resp: 219994
 Ion Ratio Lower Upper
 146 100
 111 40.1 20.1 60.2
 148 64.9 32.5 97.4





#89

n-Butylbenzene

Concen: 58.895 ug/l

RT: 12.83 min Scan# 1249

Delta R.T. 0.00 min

Lab File: VF062161.D

Acq: 4 Apr 2019 17:06

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

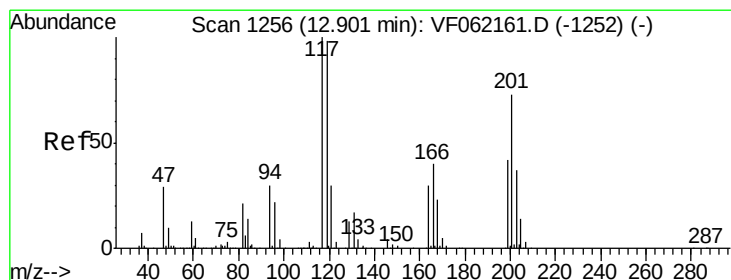
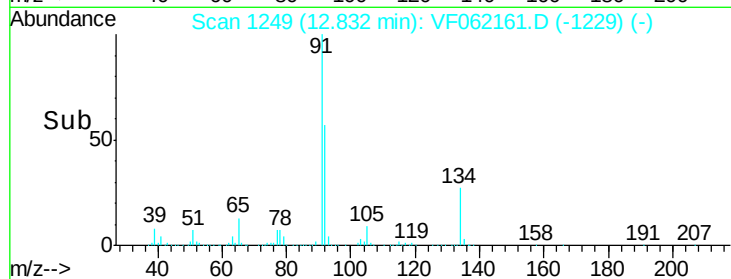
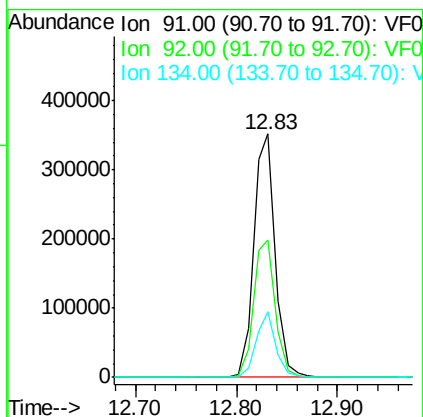
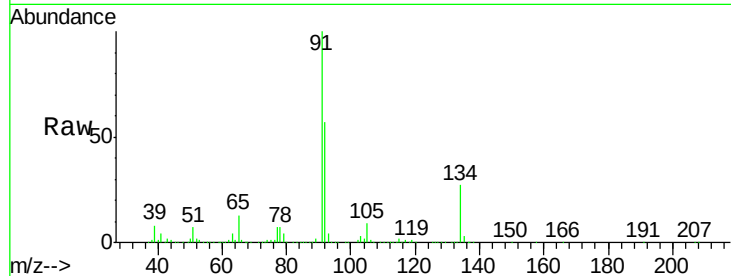
Tgt Ion: 91 Resp: 520638

Ion Ratio Lower Upper

91 100

92 56.7 28.3 85.0

134 27.2 13.6 40.8



#90

Hexachloroethane

Concen: 56.945 ug/l

RT: 12.90 min Scan# 1256

Delta R.T. 0.00 min

Lab File: VF062161.D

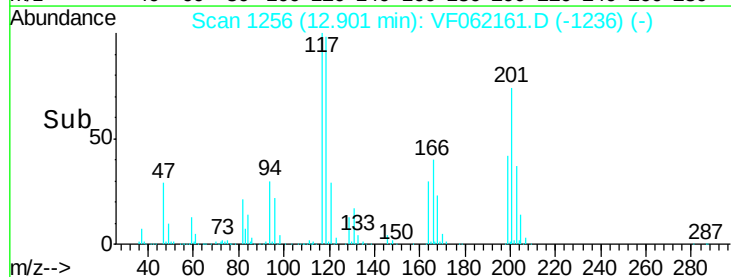
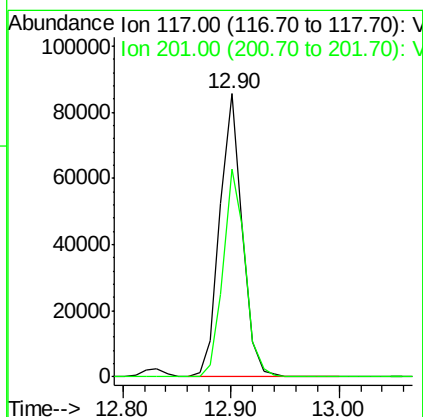
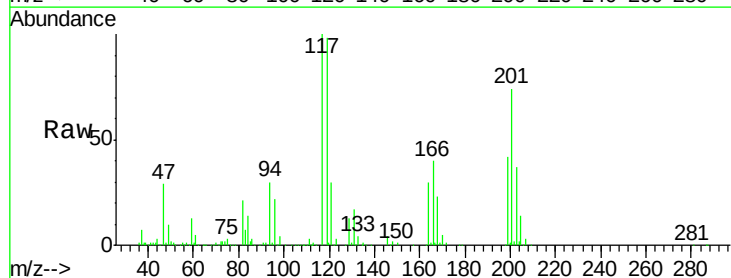
Acq: 4 Apr 2019 17:06

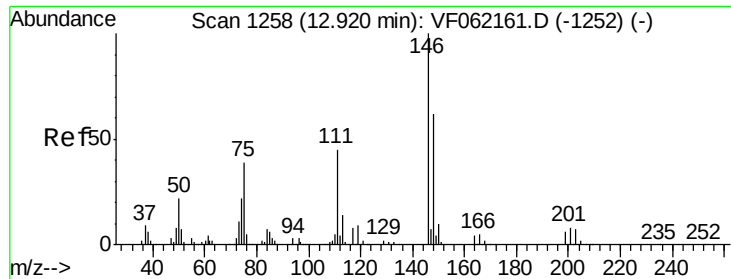
Tgt Ion: 117 Resp: 123898

Ion Ratio Lower Upper

117 100

201 73.6 36.8 110.4

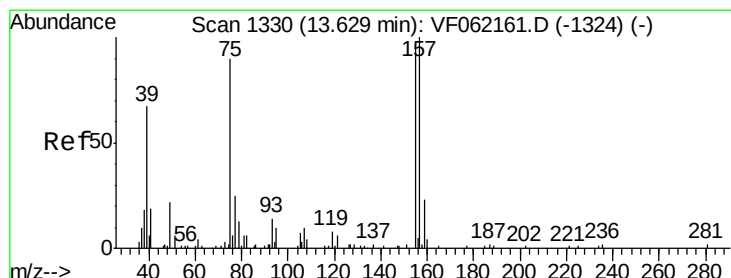
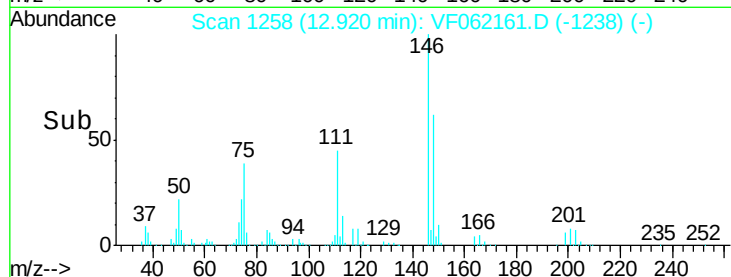
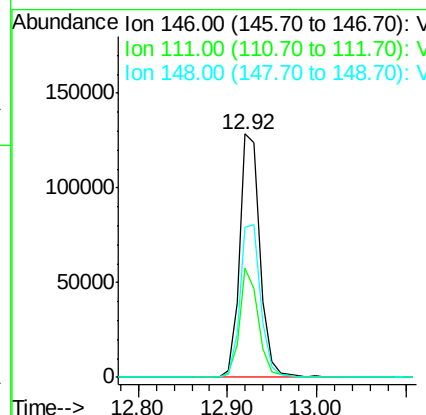
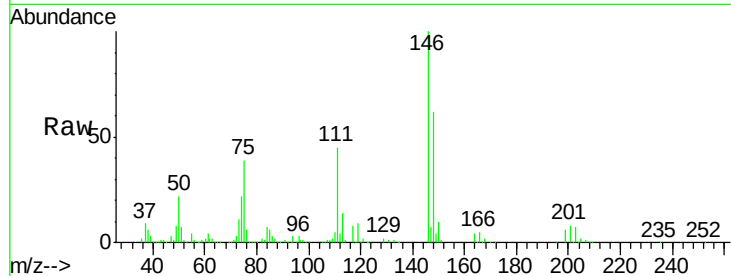




#91
 1,2-Dichlorobenzene
 Concen: 51.993 ug/l
 RT: 12.92 min Scan# 1258
 Delta R.T. 0.00 min
 Lab File: VF062161.D
 Acq: 4 Apr 2019 17:06

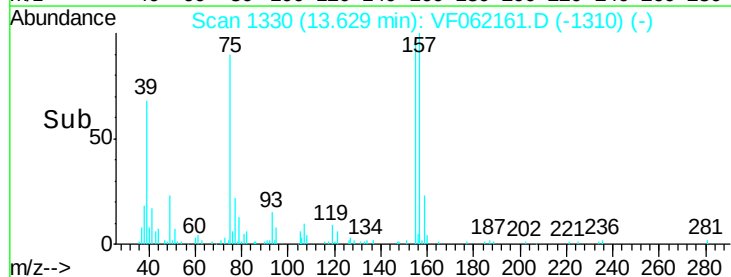
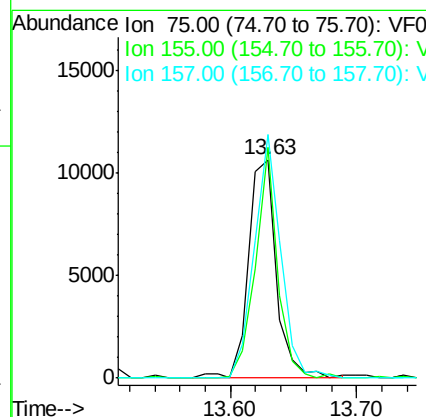
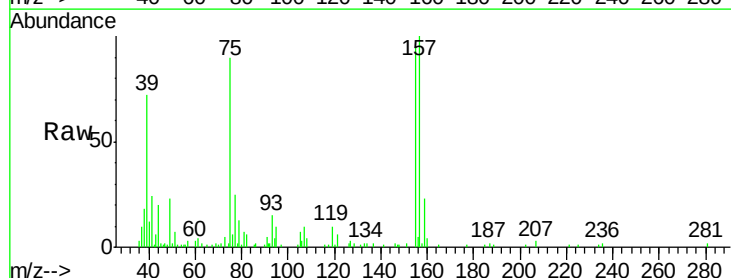
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

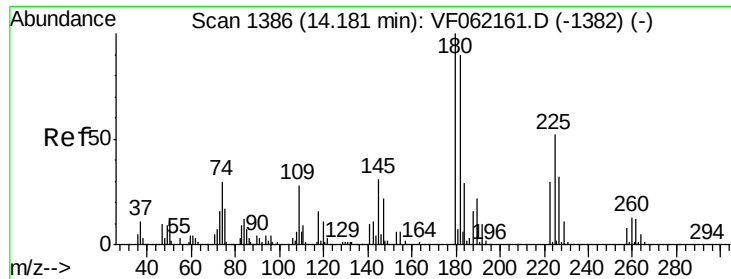
Tgt Ion:146 Resp: 207323
 Ion Ratio Lower Upper
 146 100
 111 44.7 22.4 67.0
 148 61.8 30.9 92.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 64.354 ug/l
 RT: 13.63 min Scan# 1330
 Delta R.T. 0.00 min
 Lab File: VF062161.D
 Acq: 4 Apr 2019 17:06

Tgt Ion: 75 Resp: 16288
 Ion Ratio Lower Upper
 75 100
 155 105.5 52.8 158.3
 157 111.4 55.7 167.1

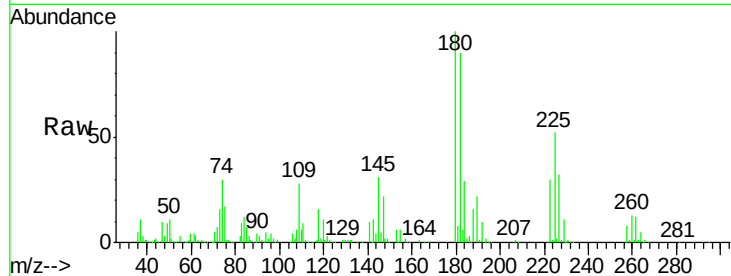




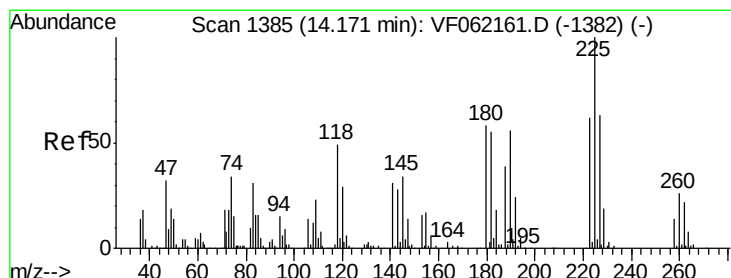
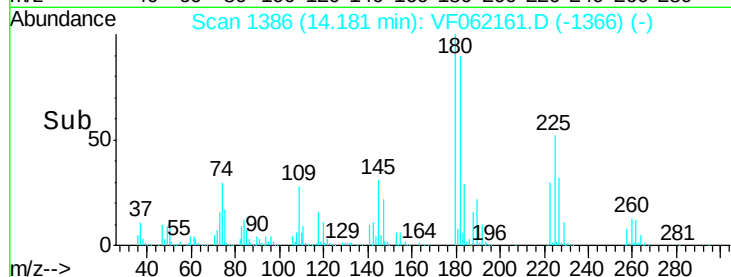
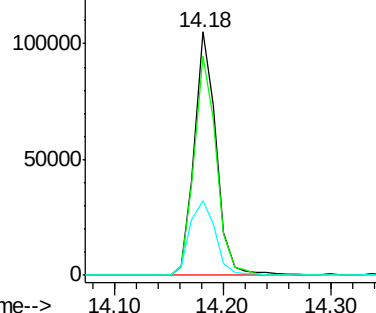
#93
 1,2,4-Trichlorobenzene
 Concen: 52.833 ug/l
 RT: 14.18 min Scan# 1386
 Delta R.T. 0.00 min
 Lab File: VF062161.D
 Acq: 4 Apr 2019 17:06

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tgt Ion:180 Resp: 148390
 Ion Ratio Lower Upper
 180 100
 182 90.1 45.1 135.2
 145 30.9 15.4 46.4

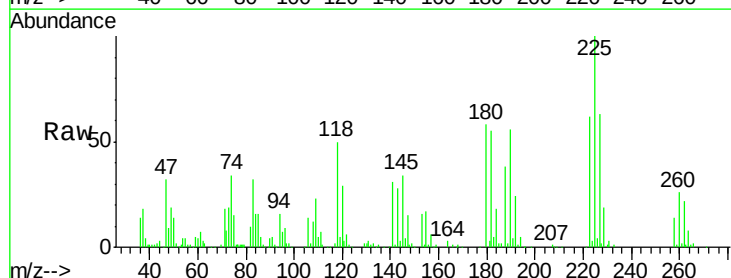


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

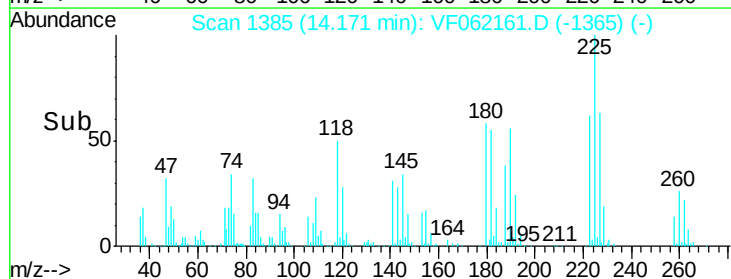
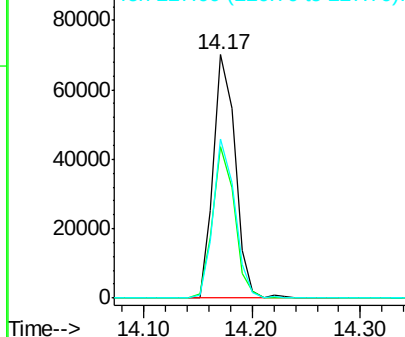


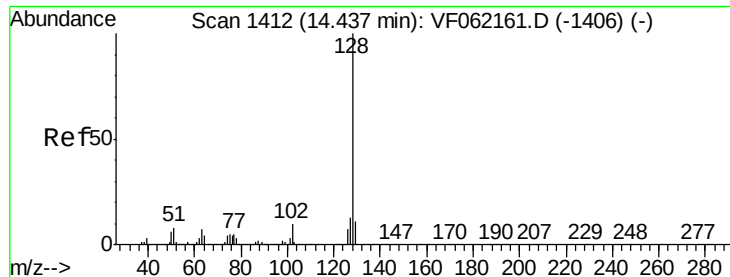
#94
 Hexachlorobutadiene
 Concen: 53.486 ug/l
 RT: 14.17 min Scan# 1385
 Delta R.T. 0.00 min
 Lab File: VF062161.D
 Acq: 4 Apr 2019 17:06

Tgt Ion:225 Resp: 99231
 Ion Ratio Lower Upper
 225 100
 223 62.0 31.0 93.0
 227 65.5 32.8 98.3



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

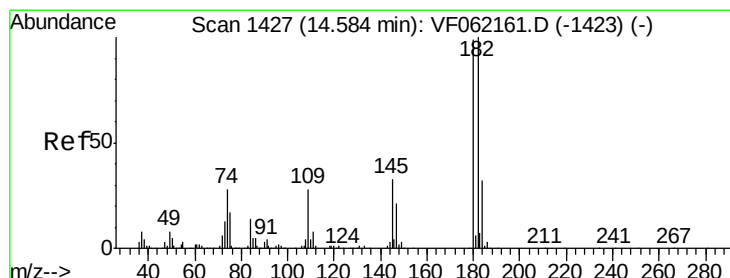
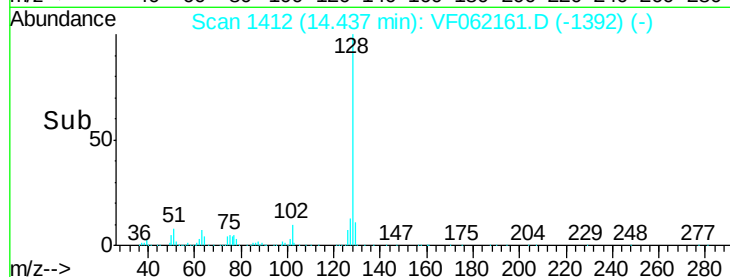
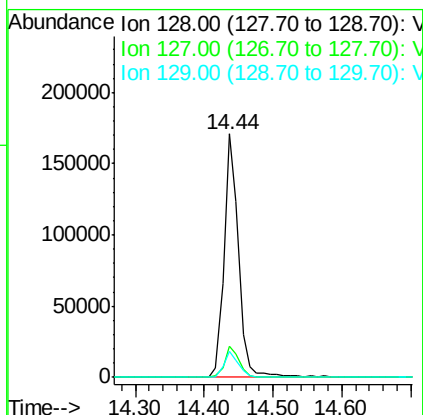
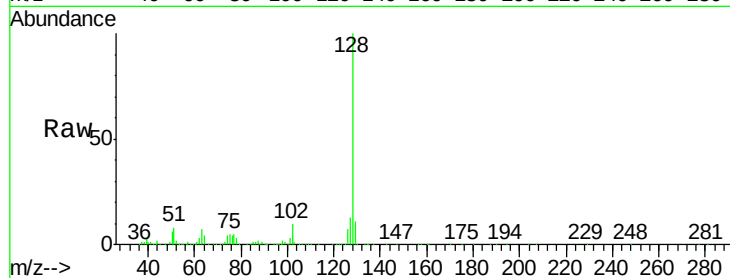




#95
Naphthalene
Concen: 51.772 ug/l
RT: 14.44 min Scan# 1412
Delta R.T. 0.00 min
Lab File: VF062161.D
Acq: 4 Apr 2019 17:06

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tgt Ion:128 Resp: 248783
Ion Ratio Lower Upper
128 100
127 12.7 10.2 15.2
129 10.5 8.4 12.6



#96
1,2,3-Trichlorobenzene
Concen: 50.205 ug/l
RT: 14.58 min Scan# 1427
Delta R.T. 0.00 min
Lab File: VF062161.D
Acq: 4 Apr 2019 17:06

Tgt Ion:180 Resp: 129295
Ion Ratio Lower Upper
180 100
182 100.8 50.4 151.2
145 33.4 16.7 50.1

