

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF031519\
 Data File : VF061954.D
 Acq On : 15 Mar 2019 11:03
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Quant Time: Mar 15 23:11:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F030419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 05 04:50:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	276779	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.60	114	417916	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.78	117	367124	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	186477	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.85	65	100058	49.64	ug/l	0.00
Spiked Amount			Recovery	=	99.28%	
35) Dibromofluoromethane	4.11	113	143393	49.17	ug/l	0.00
Spiked Amount			Recovery	=	98.34%	
50) Toluene-d8	7.56	98	431403	49.77	ug/l	0.00
Spiked Amount			Recovery	=	99.54%	
62) 4-Bromofluorobenzene	11.41	95	161406	47.53	ug/l	0.00
Spiked Amount			Recovery	=	95.06%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.96	85	161230	47.448	ug/l	91
3) Chloromethane	1.10	50	172598	52.411	ug/l	91
4) Vinyl Chloride	1.14	62	167404	53.549	ug/l	100
5) Bromomethane	1.33	94	122226	57.369	ug/l	90
6) Chloroethane	1.38	64	87162	58.654	ug/l	93
7) Trichlorofluoromethane	1.47	101	157624	41.283	ug/l	99
8) Diethyl Ether	1.63	74	49482	56.990	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	1.85	101	151313	58.358	ug/l	97
10) Methyl Iodide	1.92	142	213091	43.187	ug/l	99
11) Tert butyl alcohol	2.57	59	30893	270.031	ug/l	95
12) 1,1-Dichloroethene	1.80	96	134764	56.931	ug/l	93
13) Acrolein	2.00	56	33799	233.154	ug/l	93
14) Allyl chloride	2.09	41	175122	67.153	ug/l	95
15) Acrylonitrile	2.94	53	102735	282.009	ug/l	93
16) Acetone	2.24	43	138774	328.680	ug/l	97
17) Carbon Disulfide	1.82	76	283524	38.479	ug/l	99
18) Methyl Acetate	2.35	43	51702	62.299	ug/l	96
19) Methyl tert-butyl Ether	2.43	73	231232	57.745	ug/l	100
20) Methylene Chloride	2.18	84	53612	19.664	ug/l	95
21) trans-1,2-Dichloroethene	2.31	96	137560	61.746	ug/l	92
22) Diisopropyl ether	2.80	45	402972	59.404	ug/l	97
23) Vinyl Acetate	3.19	43	824190	271.971	ug/l	98
24) 1,1-Dichloroethane	2.87	63	235705	58.133	ug/l	99
25) 2-Butanone	4.34	43	249944	291.030	ug/l	98
26) 2,2-Dichloropropane	3.60	77	108795	60.107	ug/l	99
27) cis-1,2-Dichloroethene	3.48	96	171627	55.605	ug/l	97
28) Bromochloromethane	3.72	49	87540	49.530	ug/l	# 100
29) Tetrahydrofuran	4.07	42	99000	267.289	ug/l	99
30) Chloroform	3.86	83	255977	55.272	ug/l	95
31) Cyclohexane	3.69	56	140956	33.191	ug/l	98
32) 1,1,1-Trichloroethane	4.09	97	161329	56.515	ug/l	95
36) 1,1-Dichloropropene	4.28	75	214802	54.412	ug/l	98
37) Ethyl Acetate	4.11	43	85394	51.536	ug/l	98
38) Carbon Tetrachloride	4.00	117	156582	56.031	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.46	83	237238	50.879	ug/l	97
40) Benzene	4.64	78	539648	52.298	ug/l	99
41) Methacrylonitrile	4.76	41	46998	51.769	ug/l	95
42) 1,2-Dichloroethane	4.94	62	134204	52.188	ug/l	97
43) Isopropyl Acetate	6.96	43	102733	50.298	ug/l #	98
44) Trichloroethene	5.50	130	173803	54.199	ug/l	96
45) 1,2-Dichloropropane	6.24	63	132476	53.990	ug/l	97
46) Dibromomethane	6.09	93	85639	55.455	ug/l	94
47) Bromodichloromethane	6.39	83	186855	54.769	ug/l	97
48) Methyl methacrylate	6.72	41	68633	53.095	ug/l	91
49) 1,4-Dioxane	6.72	88	14255	1206.344	ug/l #	86
51) 4-Methyl-2-Pentanone	8.27	43	379661	268.949	ug/l	99
52) Toluene	7.63	92	339231	55.572	ug/l	98
53) t-1,3-Dichloropropene	8.29	75	153938	54.662	ug/l	93
54) cis-1,3-Dichloropropene	7.30	75	208390	53.647	ug/l	98
55) 1,1,2-Trichloroethane	8.49	97	91766	52.175	ug/l	96
56) Ethyl methacrylate	8.63	69	105442	53.195	ug/l	97
57) 1,3-Dichloropropane	8.86	76	159883	55.585	ug/l	94
58) 2-Chloroethyl Vinyl ether	7.30	63	77553	247.329	ug/l	97
59) 2-Hexanone	9.50	43	289005	283.788	ug/l	99
60) Dibromochloromethane	8.72	129	137984	55.045	ug/l	98
61) 1,2-Dibromoethane	9.00	107	103737	53.635	ug/l	99
64) Tetrachloroethene	8.16	164	149664	53.054	ug/l	96
65) Chlorobenzene	9.80	112	384584	54.526	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.94	131	149095	54.559	ug/l	96
67) Ethyl Benzene	9.90	91	630470	53.930	ug/l	100
68) m/p-Xylenes	10.14	106	466061	104.067	ug/l	93
69) o-Xylene	10.72	106	258156	53.532	ug/l	95
70) Styrene	10.80	104	350887	51.701	ug/l	97
71) Bromoform	10.78	173	75192	52.061	ug/l	95
73) Isopropylbenzene	11.13	105	750597	58.467	ug/l	99
74) N-amyl acetate	11.37	43	168174	56.902	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.70	83	122426	57.377	ug/l	95
76) 1,2,3-Trichloropropane	11.80	75	79432	54.545	ug/l	93
77) Bromobenzene	11.50	156	172024	55.677	ug/l	92
78) n-propylbenzene	11.60	91	810203	55.885	ug/l	98
79) 2-Chlorotoluene	11.73	91	452518	54.595	ug/l	98
80) 1,3,5-Trimethylbenzene	11.83	105	587784	57.026	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.87	75	51390	77.174	ug/l	90
82) 4-Chlorotoluene	11.90	91	460906	54.365	ug/l	97
83) tert-Butylbenzene	12.13	119	644293	58.868	ug/l	91
84) 1,2,4-Trimethylbenzene	12.21	105	569502	56.362	ug/l	97
85) sec-Butylbenzene	12.31	105	810515	56.908	ug/l	98
86) p-Isopropyltoluene	12.47	119	703889	58.141	ug/l	98
87) 1,3-Dichlorobenzene	12.48	146	319440	54.450	ug/l	97
88) 1,4-Dichlorobenzene	12.57	146	316033	55.844	ug/l	98
89) n-Butylbenzene	12.85	91	660974	57.128	ug/l	99
90) Hexachloroethane	12.92	117	172551	59.213	ug/l	97
91) 1,2-Dichlorobenzene	12.95	146	312223	56.172	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.65	75	19637	52.773	ug/l	95

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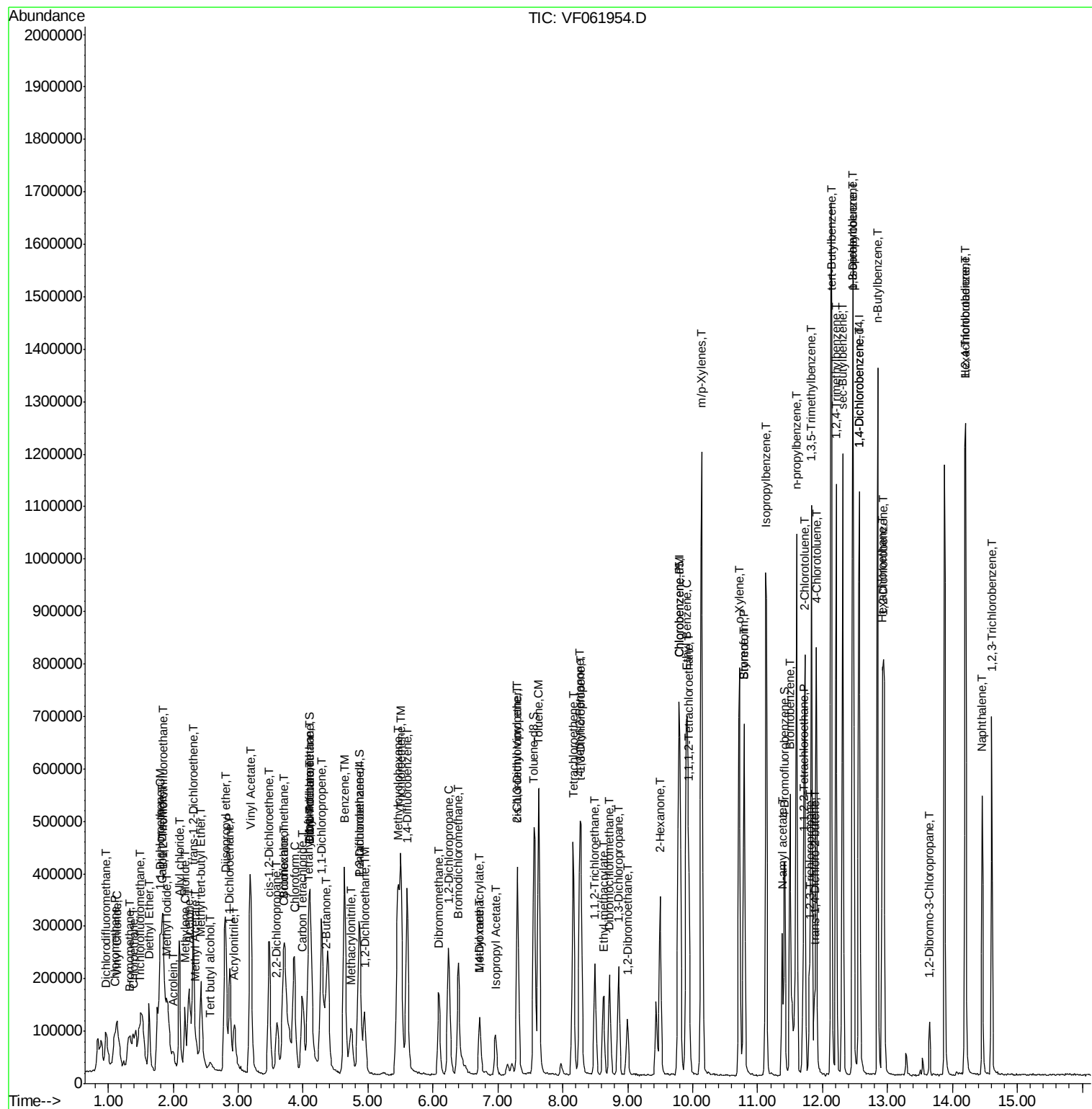
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	222006	56.972	ug/l	94
94) Hexachlorobutadiene	14.19	225	149396	55.380	ug/l	98
95) Naphthalene	14.46	128	400630	57.724	ug/l	99
96) 1,2,3-Trichlorobenzene	14.61	180	203543	56.572	ug/l	95

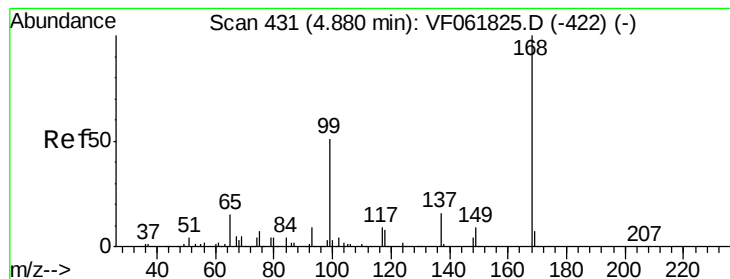
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.87 min Scan# 430

Delta R.T. -0.01 min

Lab File: VF061954.D

Acq: 15 Mar 2019 11:03

Instrument :

MSVOA_F

ClientSampleId :

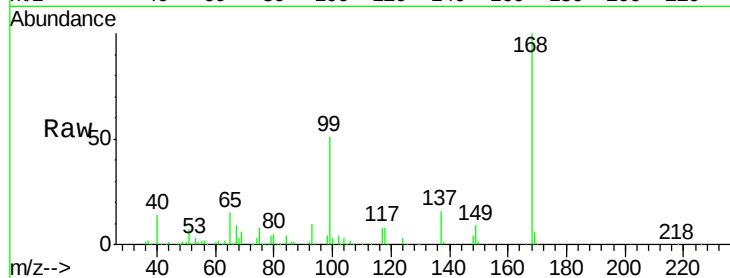
VSTDCCC050

Tot Ion:168 Resp: 276779

Ion Ratio Lower Upper

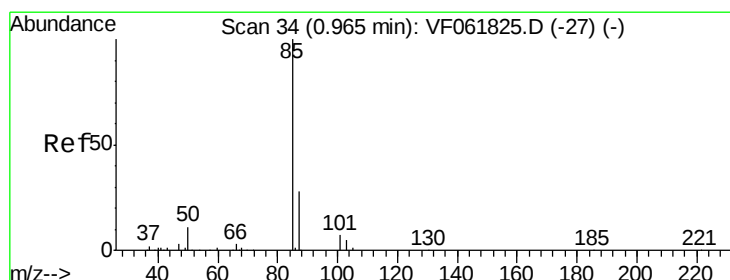
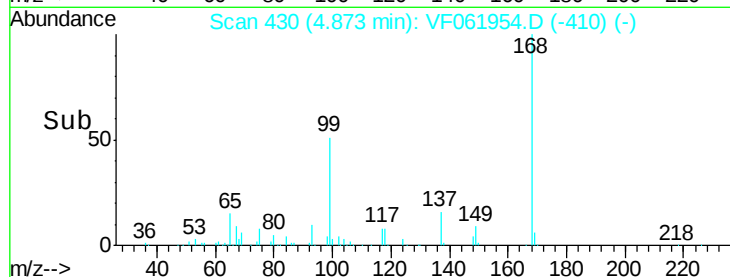
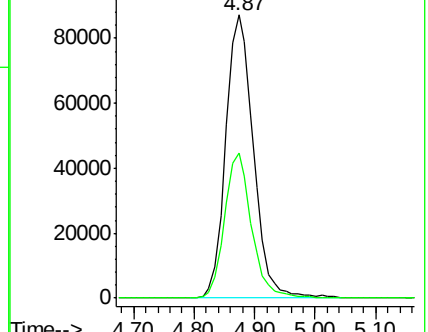
168 100

99 51.5 40.8 61.2



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 47.448 ug/l

RT: 0.96 min Scan# 33

Delta R.T. -0.01 min

Lab File: VF061954.D

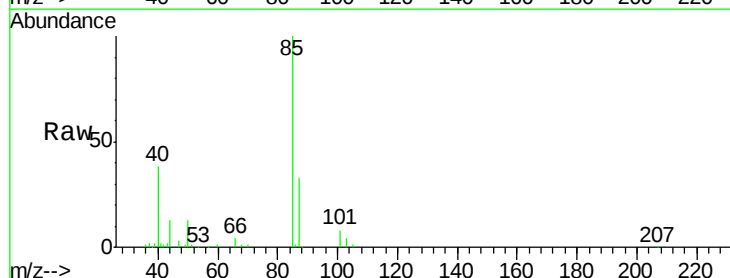
Acq: 15 Mar 2019 11:03

Tgt Ion: 85 Resp: 161230

Ion Ratio Lower Upper

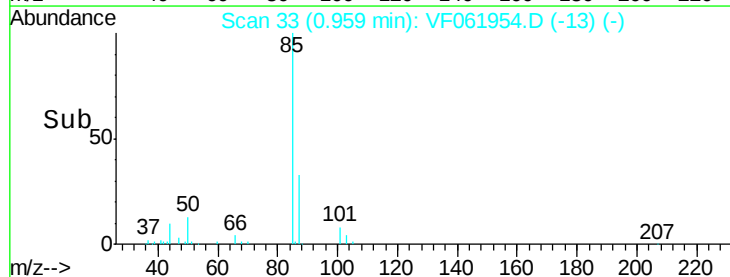
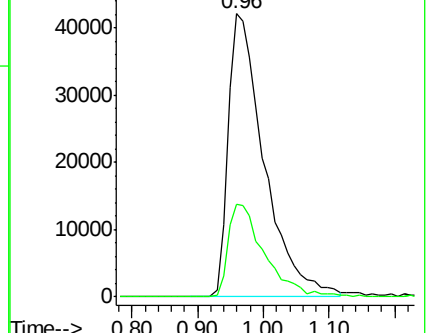
85 100

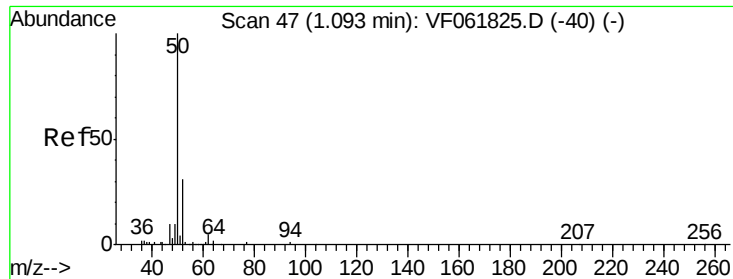
87 32.8 14.1 42.2



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 52.411 ug/l

RT: 1.10 min Scan# 47

Delta R.T. 0.00 min

Lab File: VF061954.D

Acq: 15 Mar 2019 11:03

Instrument :

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ClientSampleId :

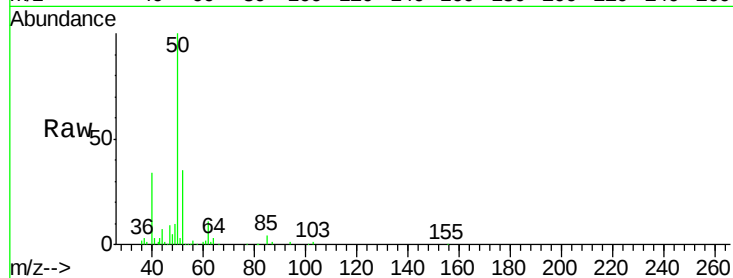
VSTDCCC050

Tot Ion: 50 Resp: 172598

Ion Ratio Lower Upper

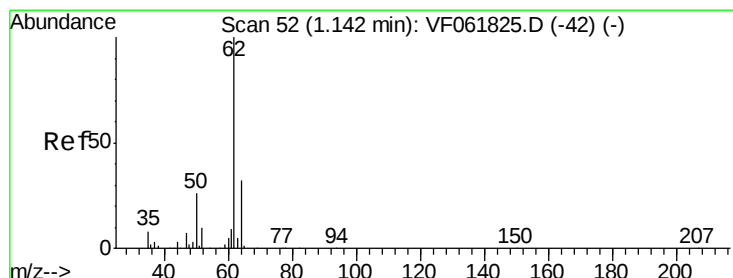
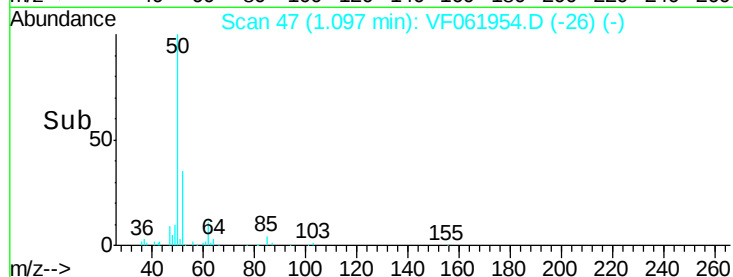
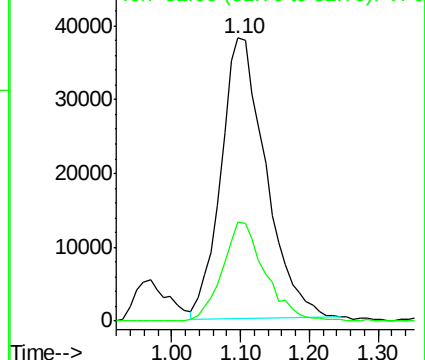
50 100

52 34.9 23.8 35.8



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 53.549 ug/l

RT: 1.14 min Scan# 51

Delta R.T. -0.01 min

Lab File: VF061954.D

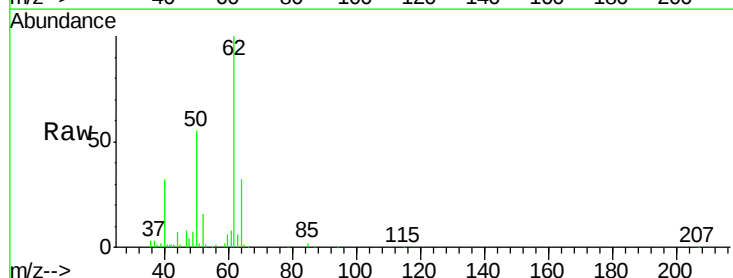
Acq: 15 Mar 2019 11:03

Tgt Ion: 62 Resp: 167404

Ion Ratio Lower Upper

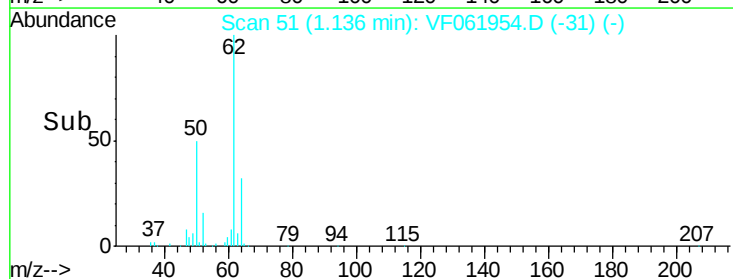
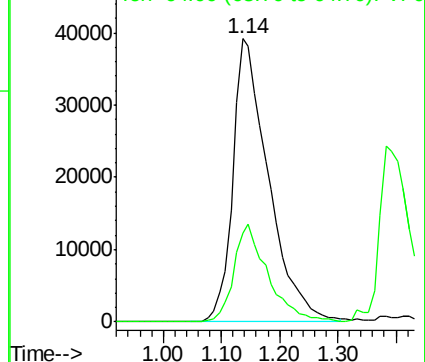
62 100

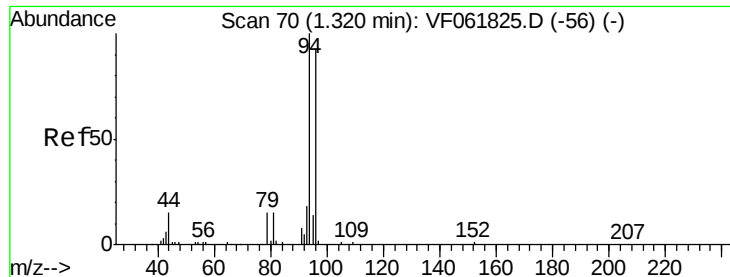
64 31.5 25.2 37.8



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 57.369 ug/l

RT: 1.33 min Scan# 71

Delta R.T. 0.01 min

Lab File: VF061954.D

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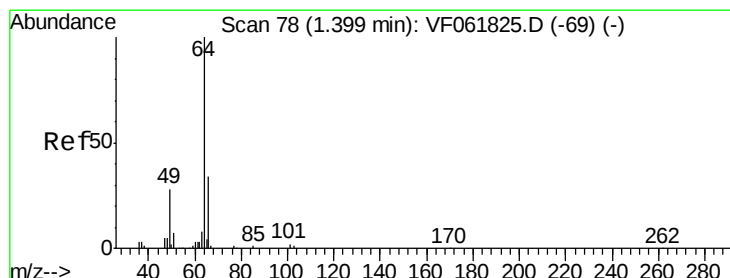
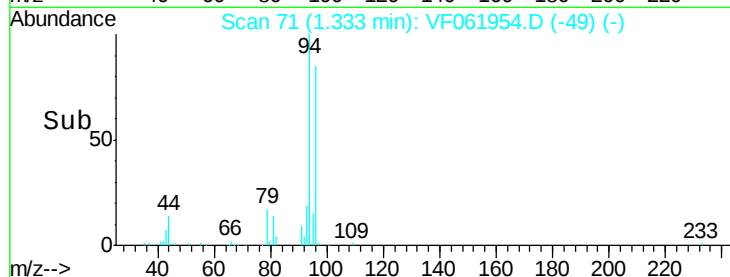
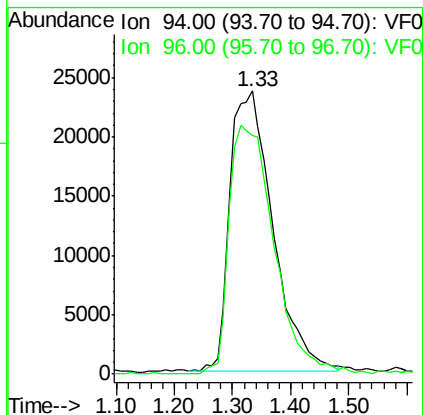
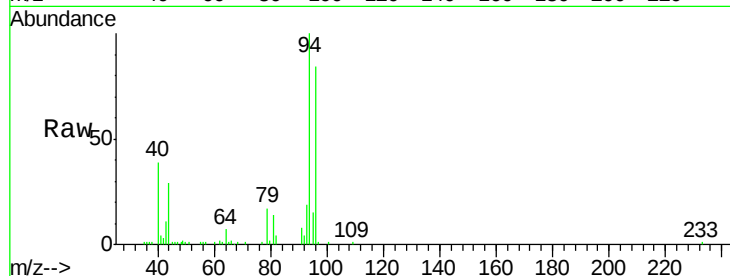
VSTDCCC050

Tot Ion: 94 Resp: 122226

Ion Ratio Lower Upper

94 100

96 84.1 75.2 112.8



#6

Chloroethane

Concen: 58.654 ug/l

RT: 1.38 min Scan# 76

Delta R.T. -0.02 min

Lab File: VF061954.D

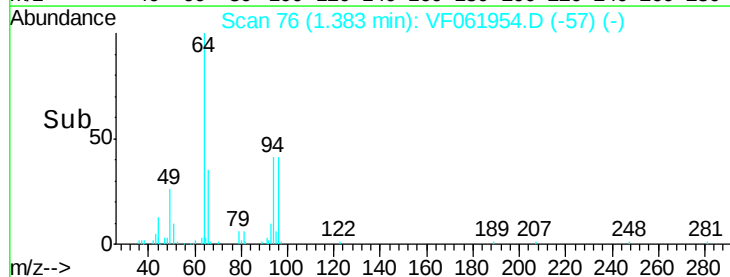
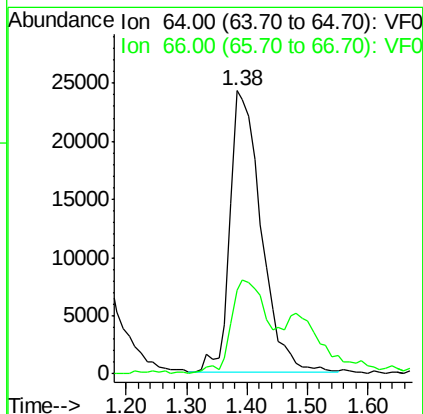
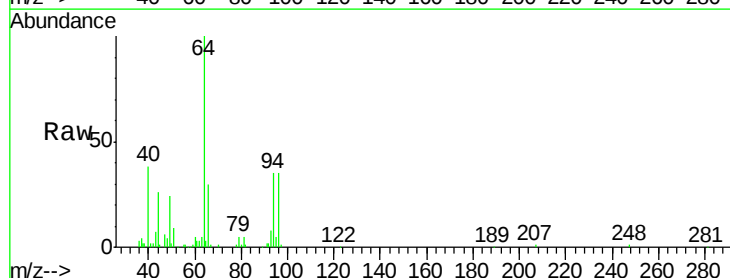
Acq: 15 Mar 2019 11:03

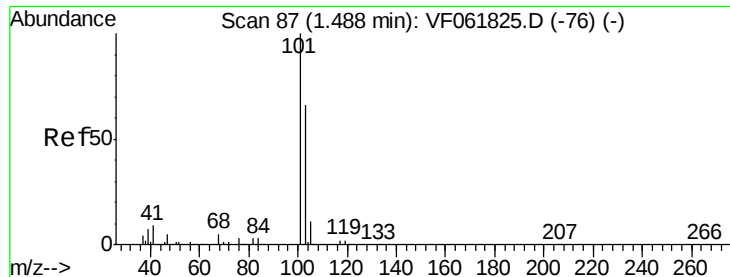
Tgt Ion: 64 Resp: 87162

Ion Ratio Lower Upper

64 100

66 29.7 27.0 40.4





#7

Trichlorofluoromethane

Concen: 41.283 ug/l

RT: 1.47 min Scan# 85

Delta R.T. -0.02 min

Lab File: VF061954.D

Acq: 15 Mar 2019 11:03

Instrument :

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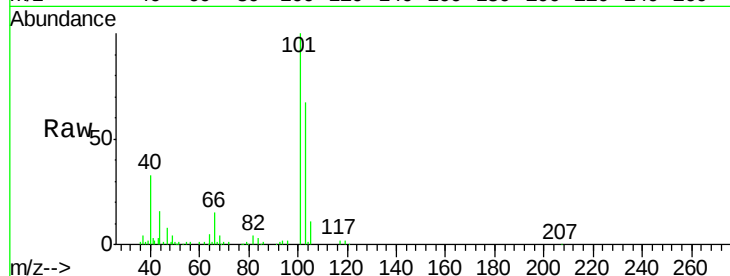
VSTDCCC050

Tot Ion:101 Resp: 157624

Ion Ratio Lower Upper

101 100

103 66.6 52.8 79.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

1.47

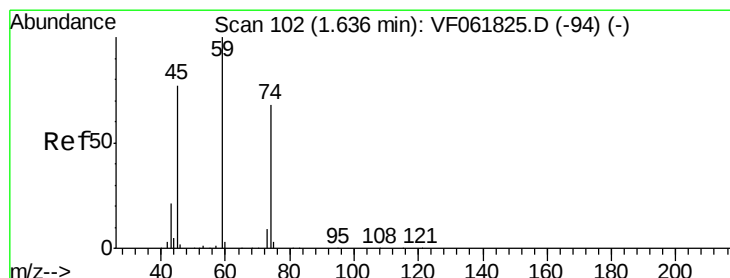
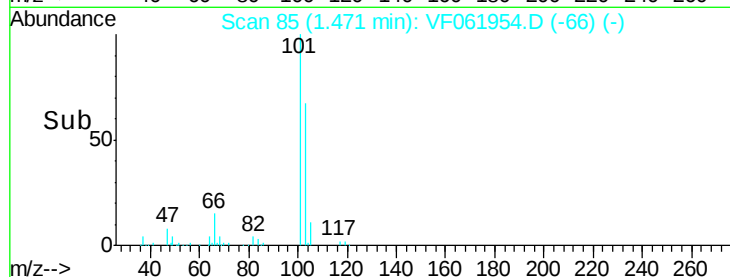
30000

20000

10000

0

Time-->



#8

Diethyl Ether

Concen: 56.990 ug/l

RT: 1.63 min Scan# 101

Delta R.T. -0.01 min

Lab File: VF061954.D

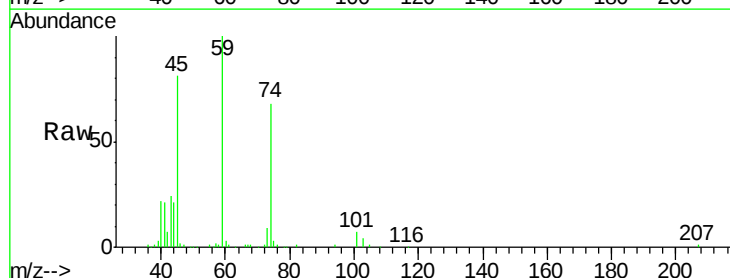
Acq: 15 Mar 2019 11:03

Tgt Ion: 74 Resp: 49482

Ion Ratio Lower Upper

74 100

45 118.5 57.2 171.6



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0

1.63

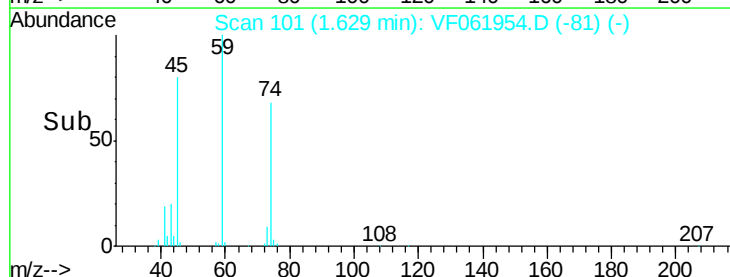
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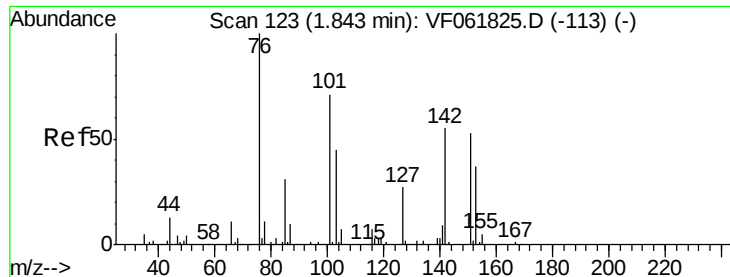
20000

10000

0

Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 58.358 ug/l

RT: 1.85 min Scan# 123

Delta R.T. 0.00 min

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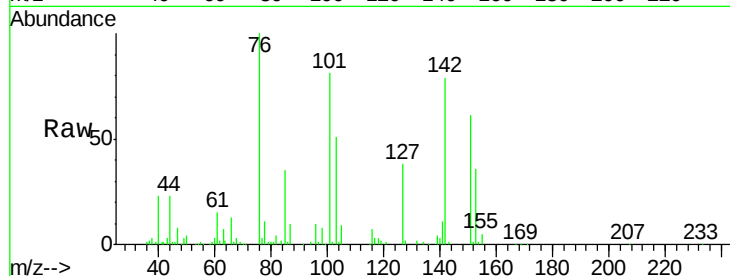
Tot Ion:101 Resp: 151313

Ion Ratio Lower Upper

101 100

85 43.1 34.0 51.0

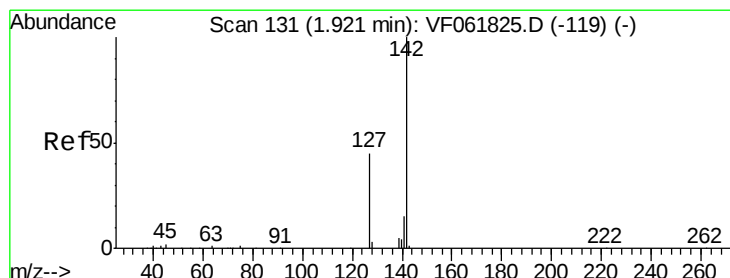
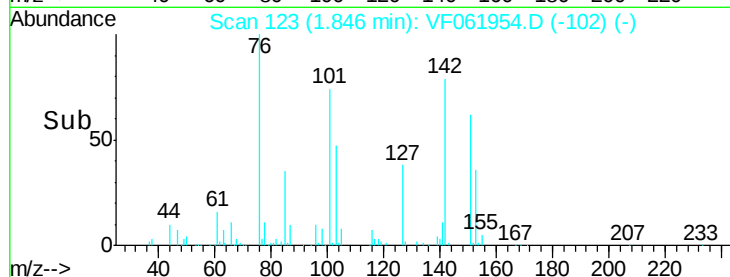
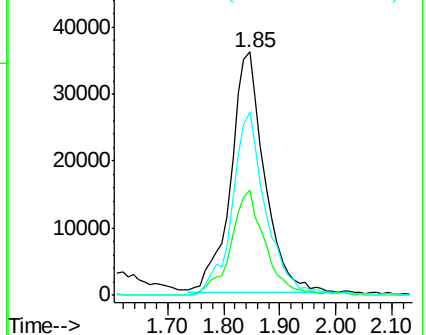
151 75.5 57.3 85.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 43.187 ug/l

RT: 1.92 min Scan# 130

Delta R.T. -0.01 min

Lab File: VF061954.D

Acq: 15 Mar 2019 11:03

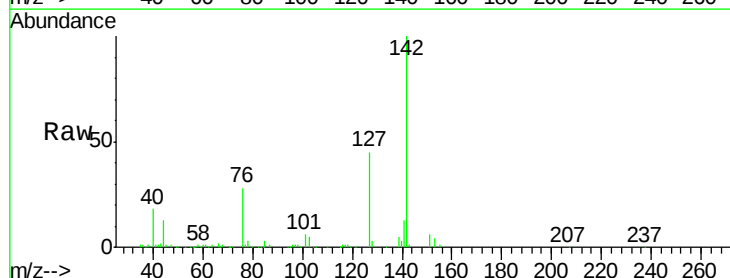
Tgt Ion:142 Resp: 213091

Ion Ratio Lower Upper

142 100

127 44.7 35.8 53.6

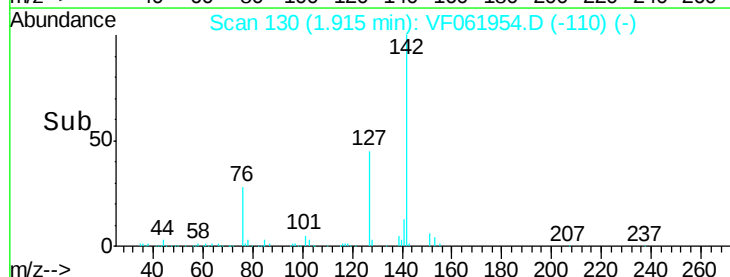
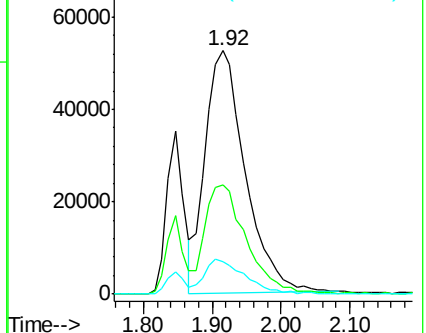
141 13.4 11.7 17.5

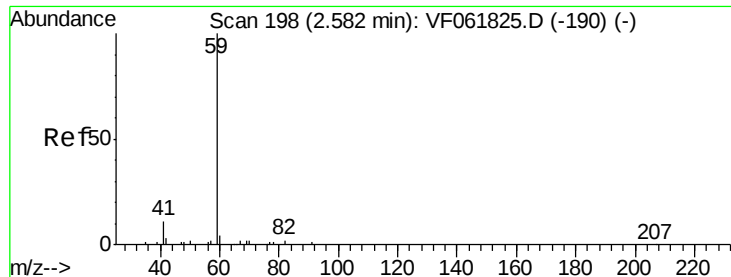


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



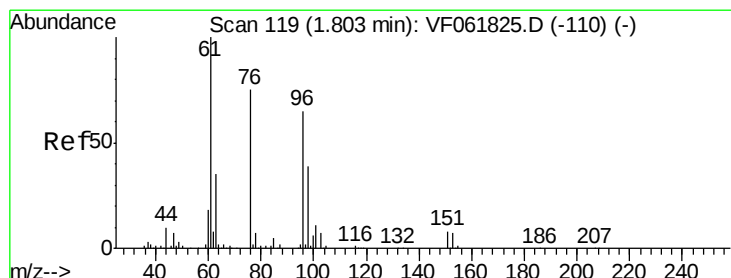
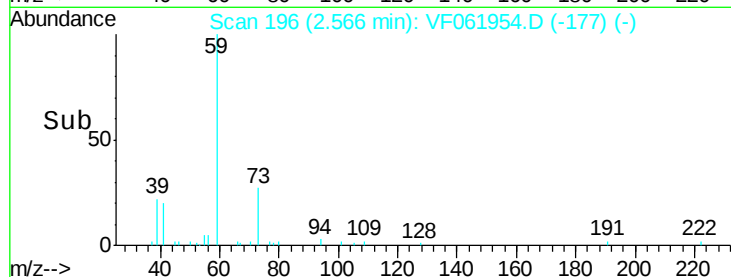
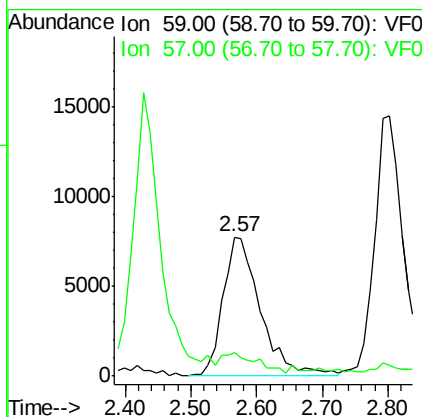
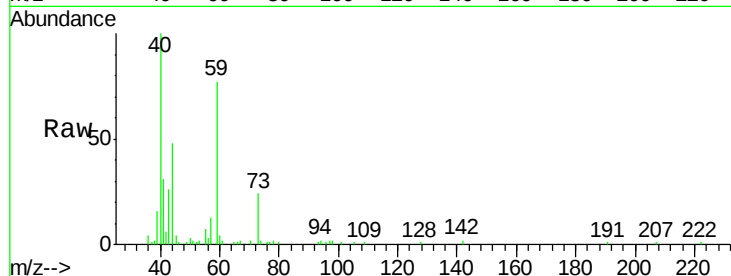


#11

Tert butyl alcohol
Concen: 270.031 ug/l
RT: 2.57 min Scan# 196
Delta R.T. -0.02 min
Lab File: VF061954.D
Acq: 15 Mar 2019 11:03

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

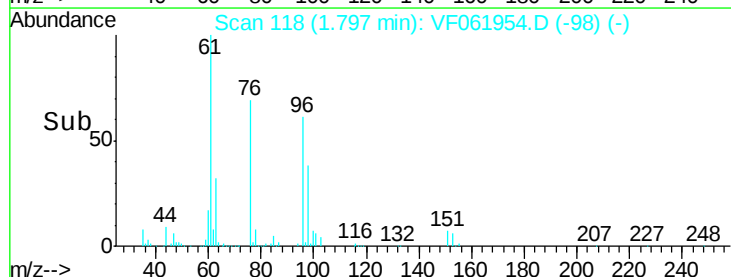
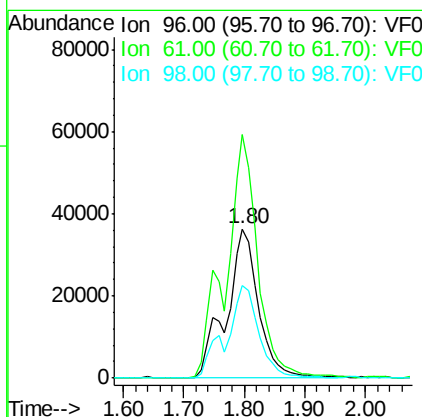
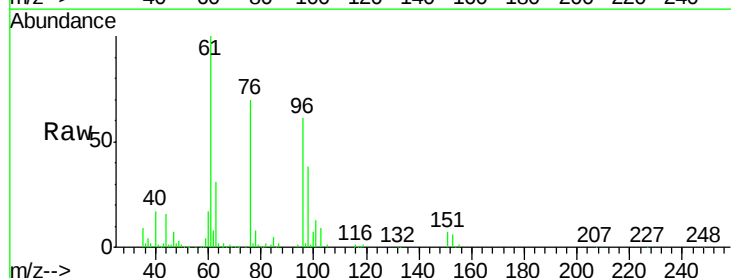
Tot Ion: 59 Resp: 30893
Ion Ratio Lower Upper
59 100
57 16.8 11.8 17.6

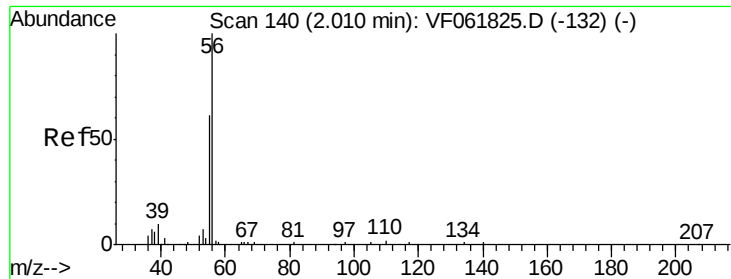


#12

1,1-Dichloroethene
Concen: 56.931 ug/l
RT: 1.80 min Scan# 118
Delta R.T. -0.01 min
Lab File: VF061954.D
Acq: 15 Mar 2019 11:03

Tgt Ion: 96 Resp: 134764
Ion Ratio Lower Upper
96 100
61 163.5 122.5 183.7
98 62.3 47.1 70.7

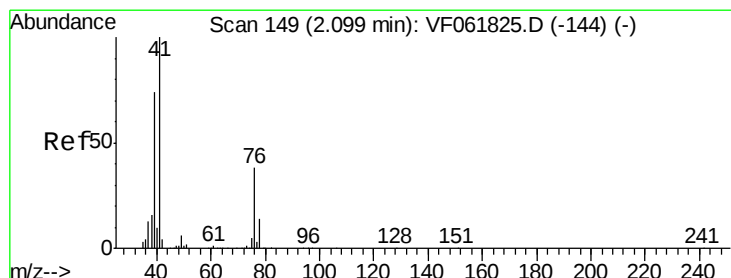
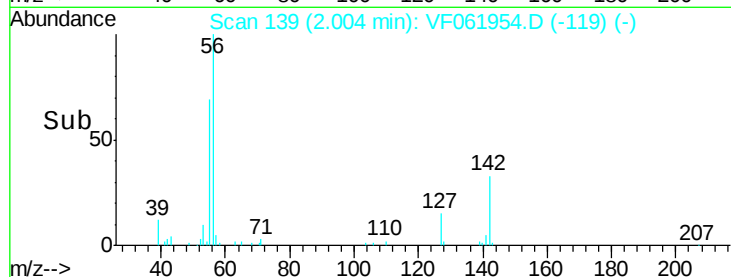
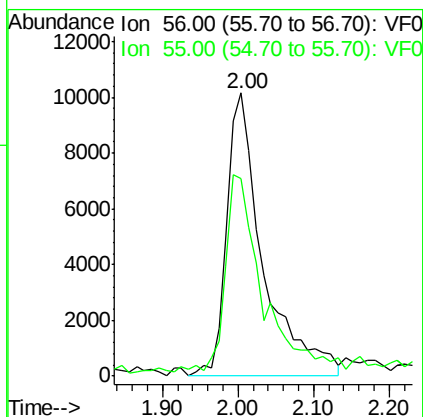
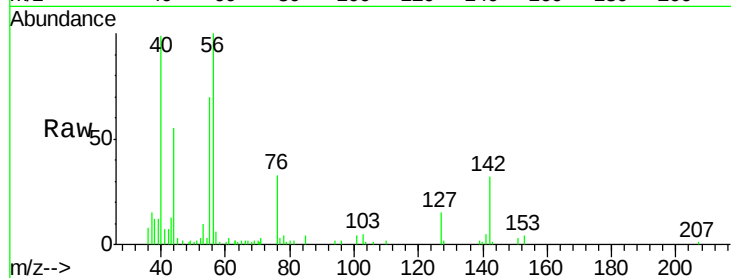




#13
Acrolein
Concen: 233.154 ug/l
RT: 2.00 min Scan# 139
Delta R.T. -0.01 min
Lab File: VF061954.D
Acq: 15 Mar 2019 11:03

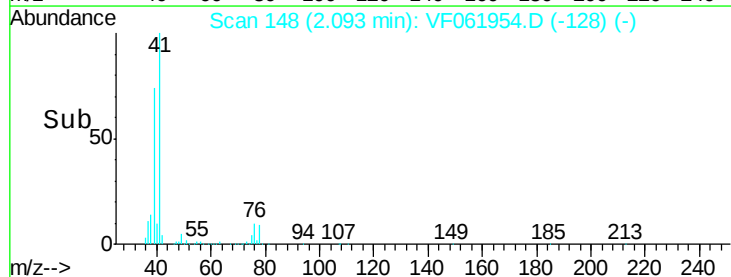
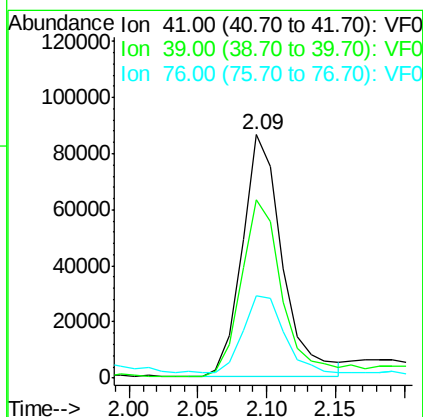
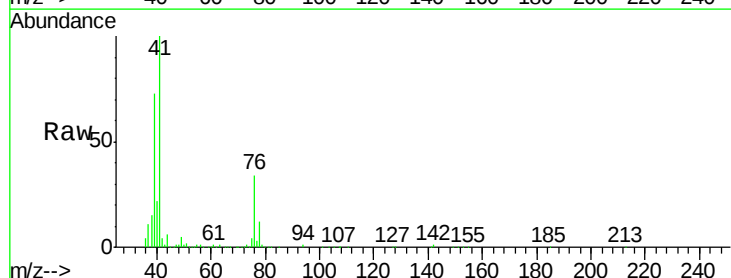
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

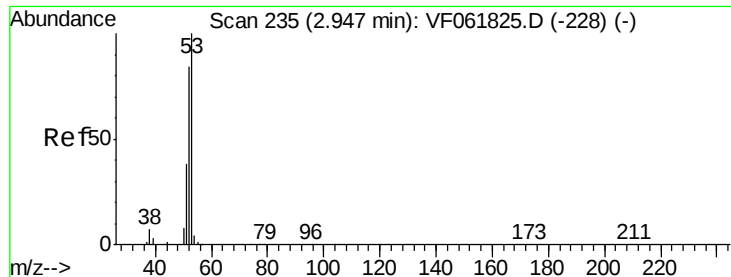
Tot Ion: 56 Resp: 33799
Ion Ratio Lower Upper
56 100
55 69.7 51.3 76.9



#14
Allyl chloride
Concen: 67.153 ug/l
RT: 2.09 min Scan# 148
Delta R.T. -0.01 min
Lab File: VF061954.D
Acq: 15 Mar 2019 11:03

Tgt Ion: 41 Resp: 175122
Ion Ratio Lower Upper
41 100
39 73.4 59.6 89.4
76 33.8 32.3 48.5





#15

Acrylonitrile

Concen: 282.009 ug/l

RT: 2.94 min Scan# 234

Delta R.T. -0.01 min

Lab File: VF061954.D

Acq: 15 Mar 2019 11:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

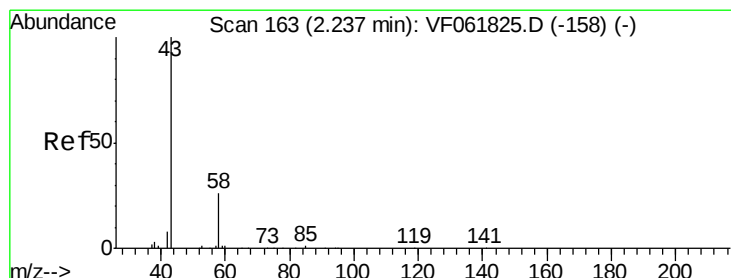
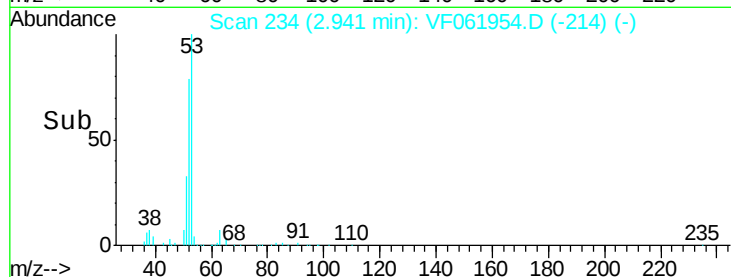
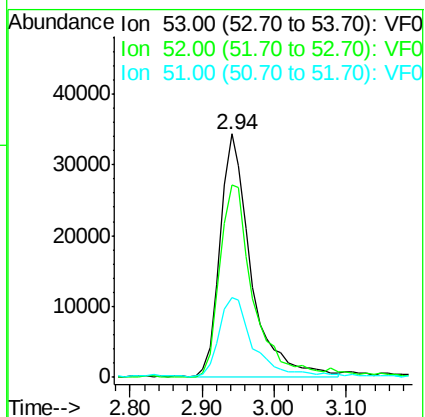
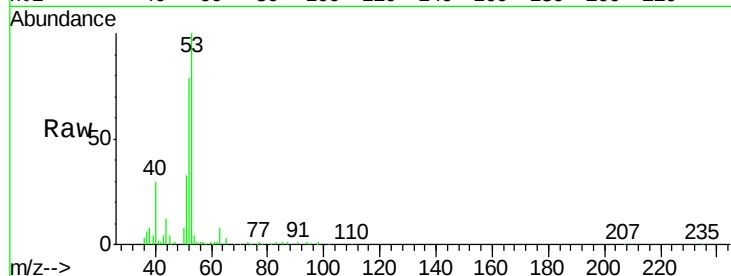
Tot Ion: 53 Resp: 102735

Ion Ratio Lower Upper

53 100

52 78.9 67.4 101.0

51 32.6 30.7 46.1



#16

Acetone

Concen: 328.680 ug/l

RT: 2.24 min Scan# 163

Delta R.T. 0.00 min

Lab File: VF061954.D

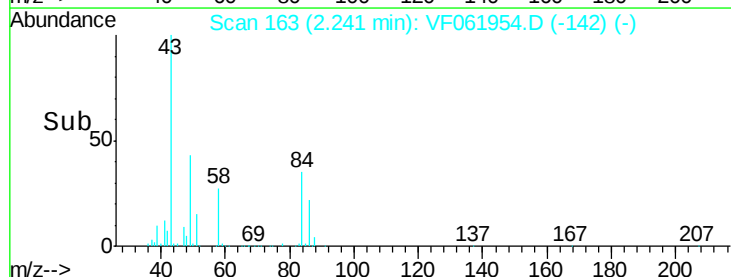
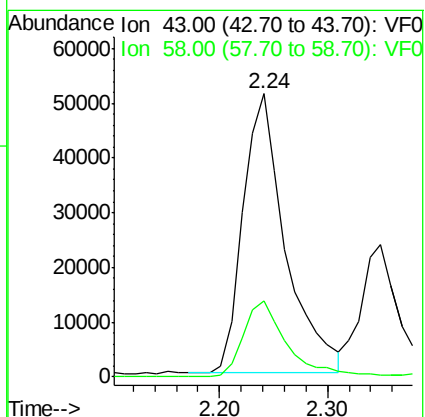
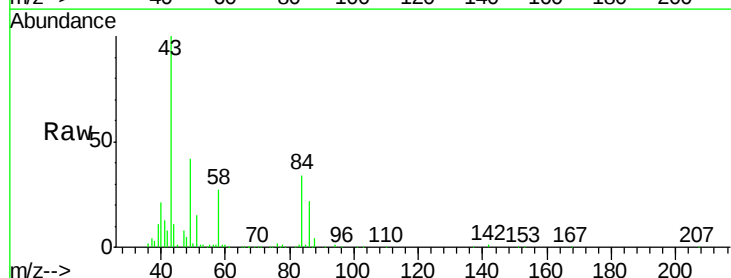
Acq: 15 Mar 2019 11:03

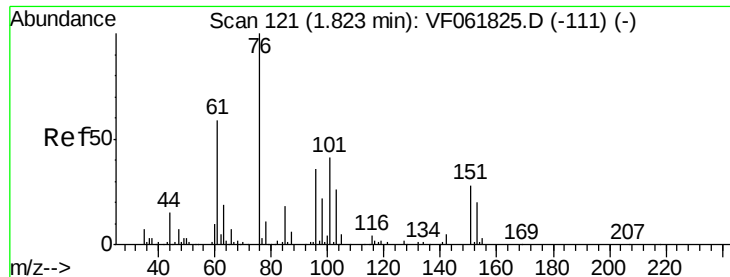
Tgt Ion: 43 Resp: 138774

Ion Ratio Lower Upper

43 100

58 27.0 20.3 30.5

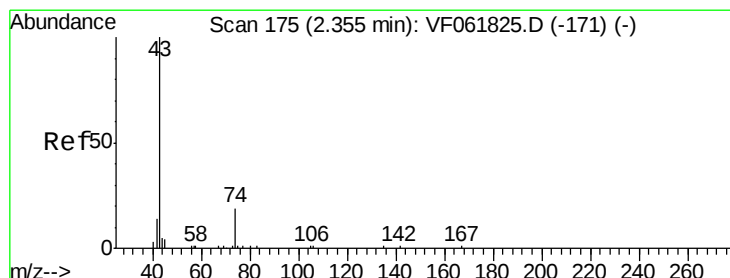
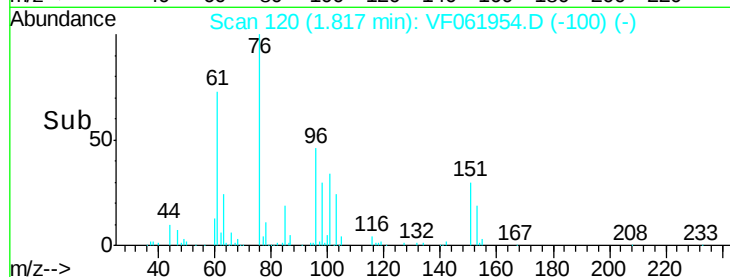
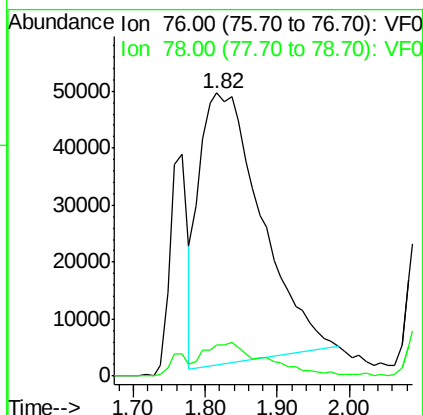
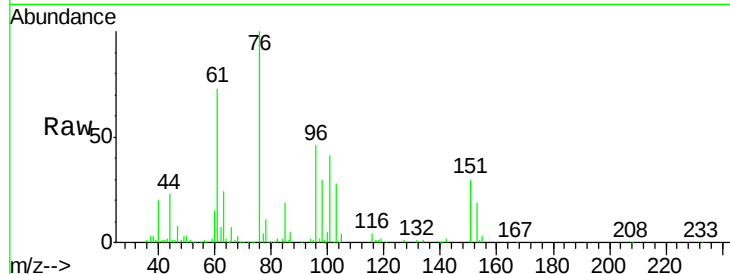




#17
Carbon Disulfide
Concen: 38.479 ug/l
RT: 1.82 min Scan# 120
Delta R.T. -0.01 min
Lab File: VF061954.D
Acq: 15 Mar 2019 11:03

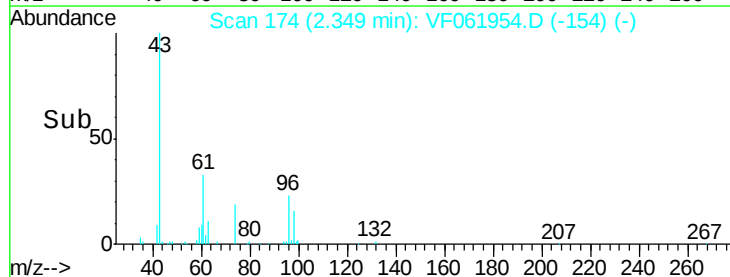
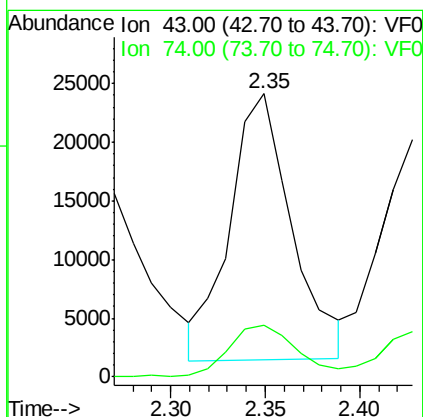
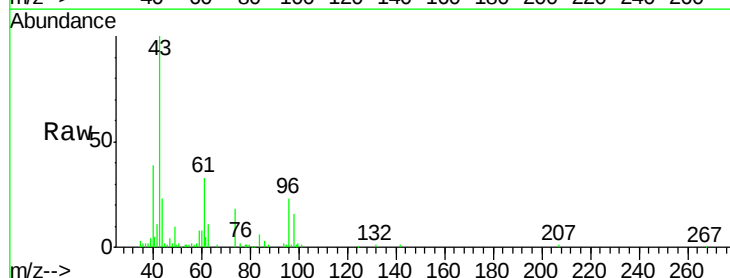
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

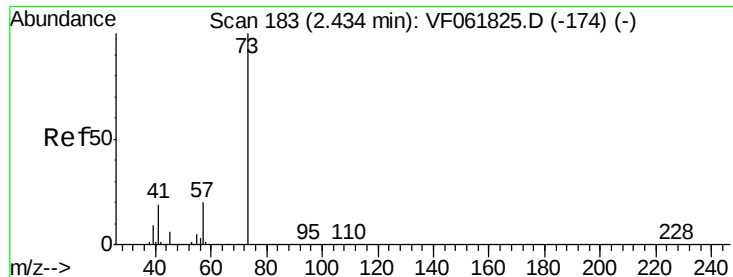
Tot Ion: 76 Resp: 283524
Ion Ratio Lower Upper
76 100
78 11.1 9.1 13.7



#18
Methyl Acetate
Concen: 62.299 ug/l
RT: 2.35 min Scan# 174
Delta R.T. -0.01 min
Lab File: VF061954.D
Acq: 15 Mar 2019 11:03

Tgt Ion: 43 Resp: 51702
Ion Ratio Lower Upper
43 100
74 18.1 13.2 19.8



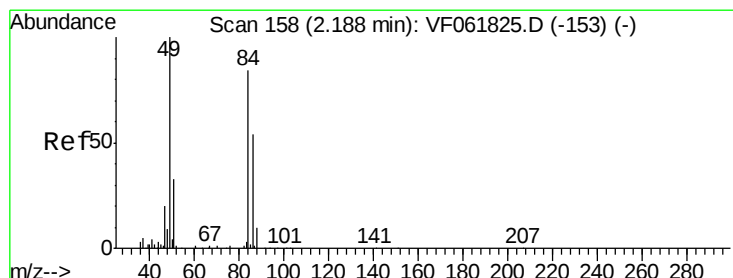
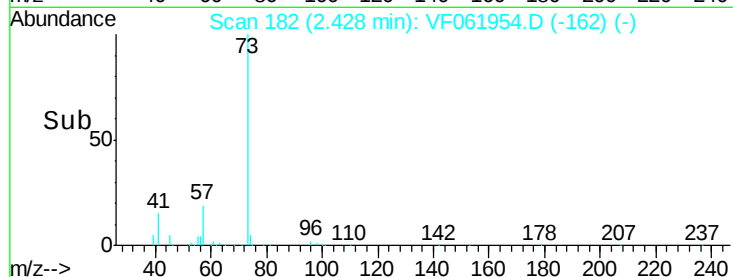
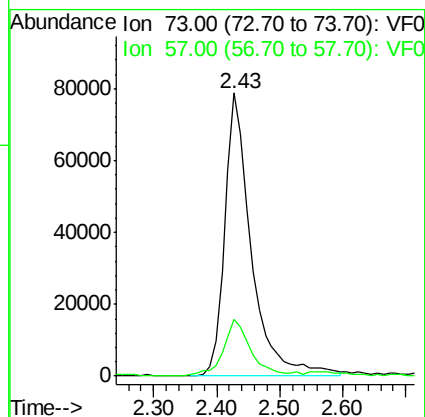
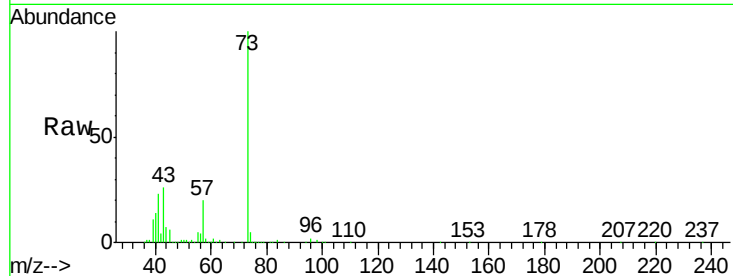


#19

Methyl tert-butyl Ether
 Concen: 57.745 ug/l
 RT: 2.43 min Scan# 182
 Delta R.T. -0.01 min
 Lab File: VF061954.D
 Acq: 15 Mar 2019 11:03

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

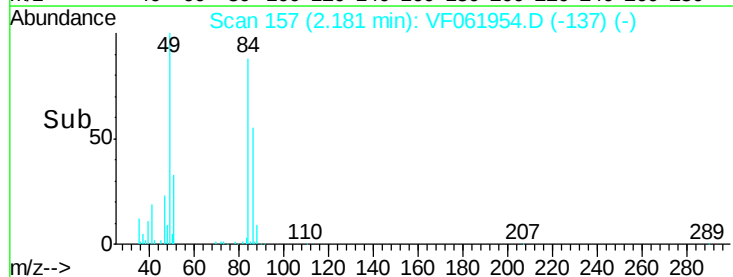
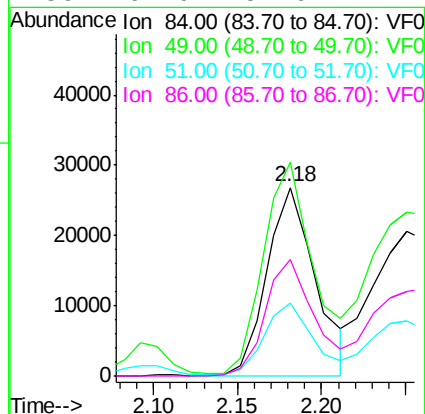
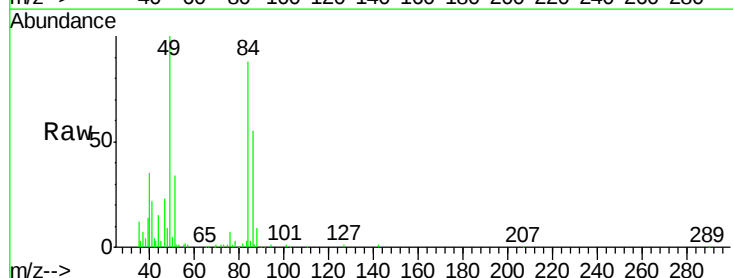
Tot Ion: 73 Resp: 231232
 Ion Ratio Lower Upper
 73 100
 57 20.0 16.1 24.1

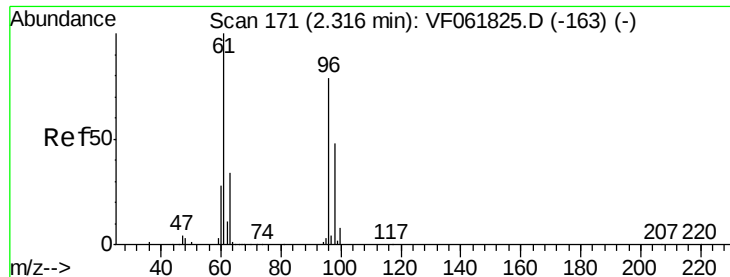


#20

Methylene Chloride
 Concen: 19.664 ug/l
 RT: 2.18 min Scan# 157
 Delta R.T. -0.01 min
 Lab File: VF061954.D
 Acq: 15 Mar 2019 11:03

Tgt Ion: 84 Resp: 53612
 Ion Ratio Lower Upper
 84 100
 49 113.2 96.8 145.2
 51 38.4 31.8 47.6
 86 61.9 51.6 77.4





#21

trans-1,2-Dichloroethene

Concen: 61.746 ug/l

RT: 2.31 min Scan# 170

Delta R.T. -0.01 min

Lab File: VF061954.D

Acq: 15 Mar 2019 11:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

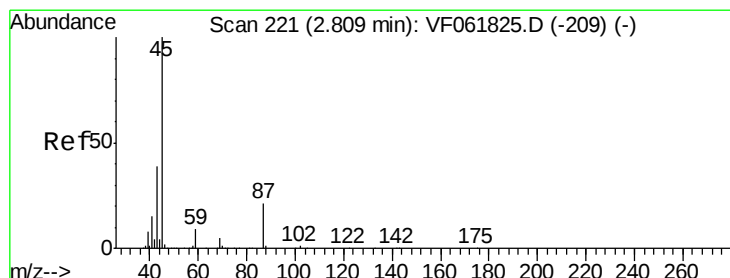
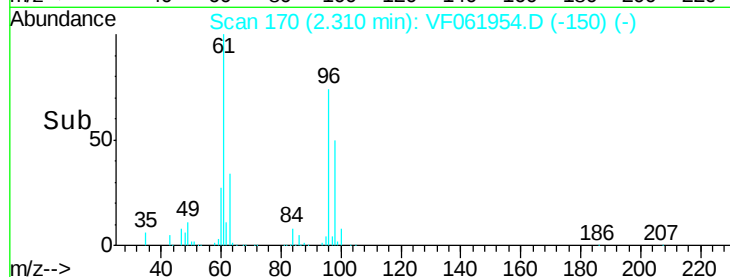
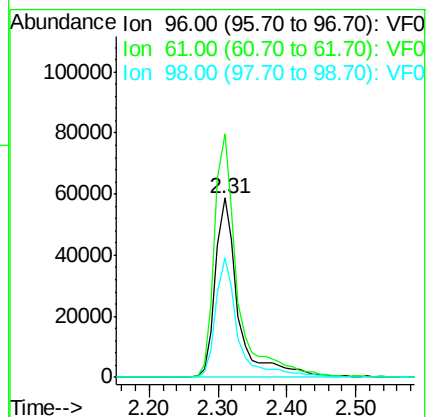
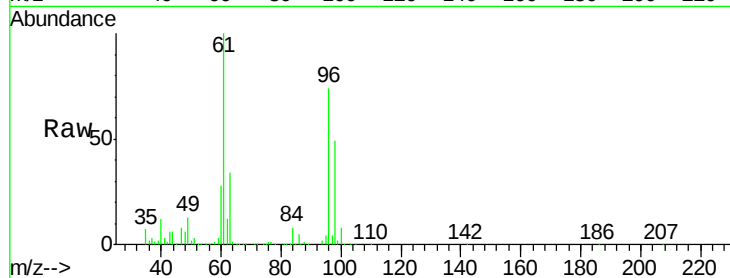
Tot Ion: 96 Resp: 137560

Ion Ratio Lower Upper

96 100

61 135.6 101.0 151.6

98 66.8 48.8 73.2



#22

Diisopropyl ether

Concen: 59.404 ug/l

RT: 2.80 min Scan# 220

Delta R.T. -0.01 min

Lab File: VF061954.D

Acq: 15 Mar 2019 11:03

Tgt Ion: 45 Resp: 402972

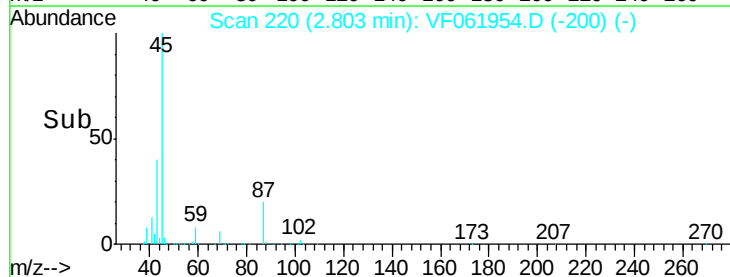
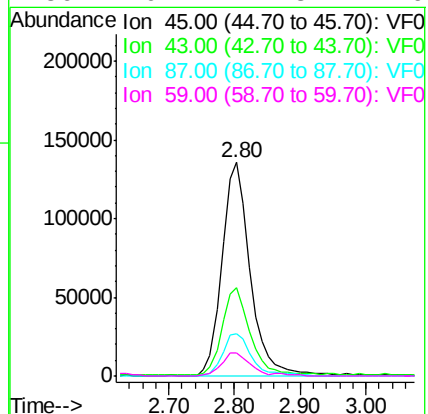
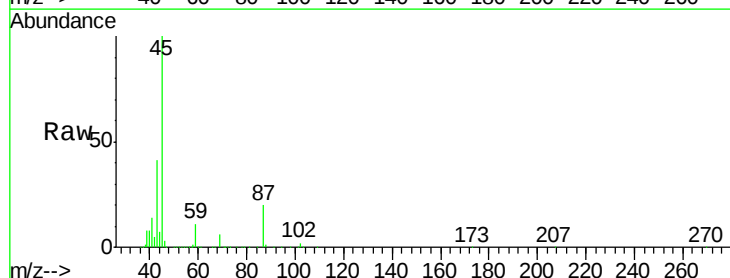
Ion Ratio Lower Upper

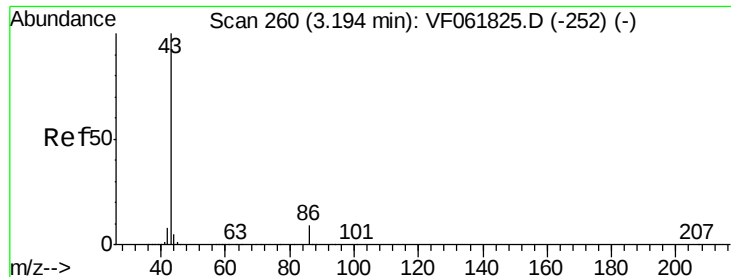
45 100

43 41.3 31.8 47.8

87 19.7 17.1 25.7

59 10.7 7.8 11.6





#23

Vinyl Acetate

Concen: 271.971 ug/l

RT: 3.19 min Scan# 259

Delta R.T. -0.01 min

Lab File: VF061954.D

Acq: 15 Mar 2019 11:03

Instrument :

MSVOA_F

ClientSampleId :

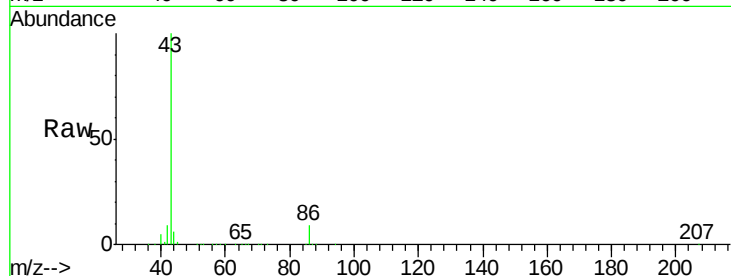
VSTDCCC050

Tot Ion: 43 Resp: 824190

Ion Ratio Lower Upper

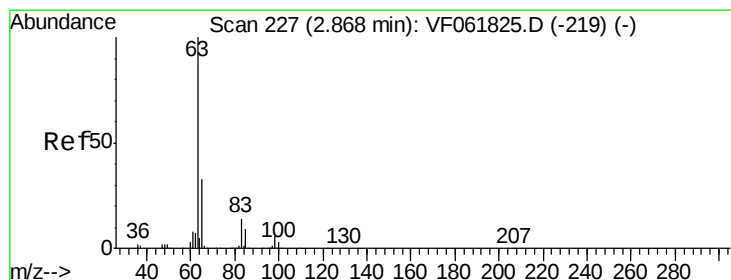
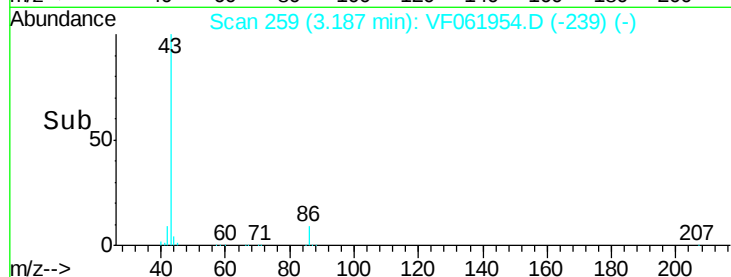
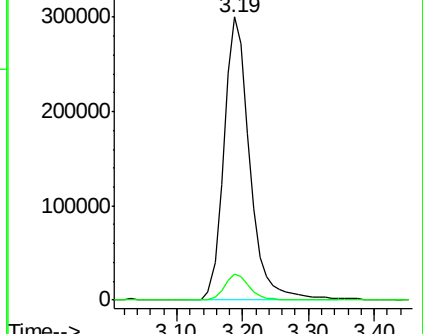
43 100

86 9.3 7.0 10.4



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 58.133 ug/l

RT: 2.87 min Scan# 227

Delta R.T. 0.00 min

Lab File: VF061954.D

Acq: 15 Mar 2019 11:03

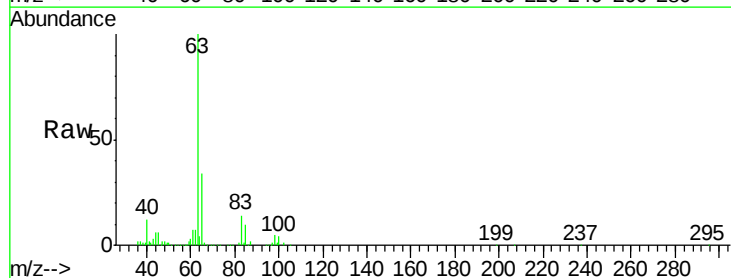
Tgt Ion: 63 Resp: 235705

Ion Ratio Lower Upper

63 100

98 5.1 2.9 8.6

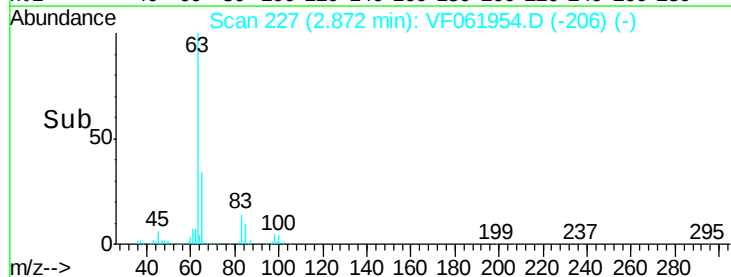
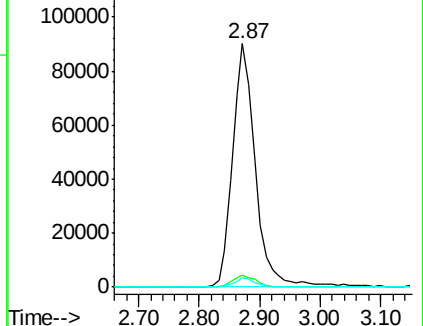
100 3.7 1.8 5.3

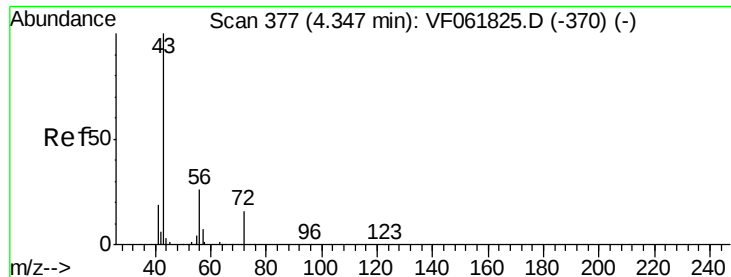


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 291.030 ug/l

RT: 4.34 min Scan# 376

Delta R.T. -0.01 min

Lab File: VF061954.D

Acq: 15 Mar 2019 11:03

Instrument :

MSVOA_F

ClientSampleId :

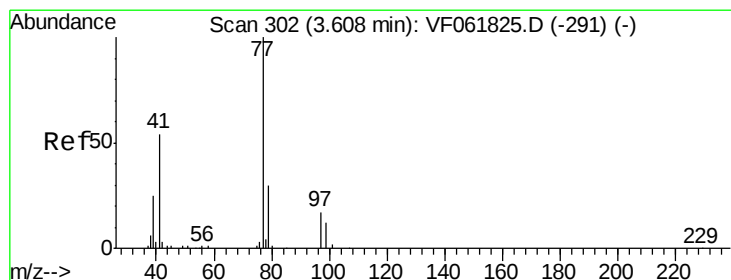
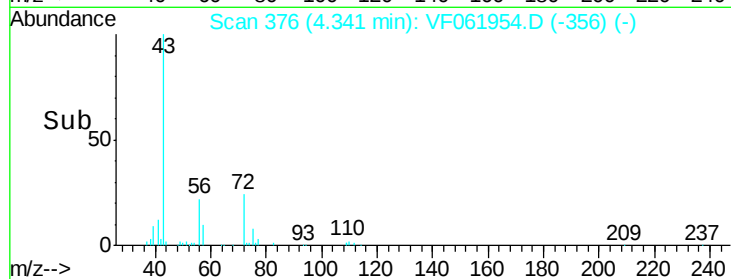
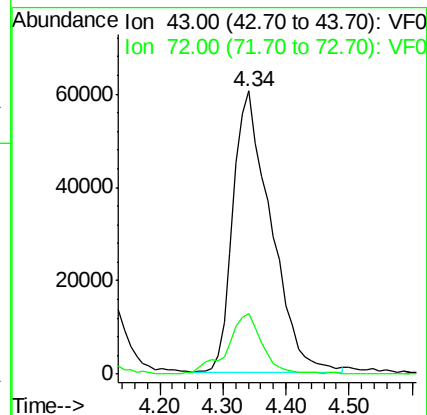
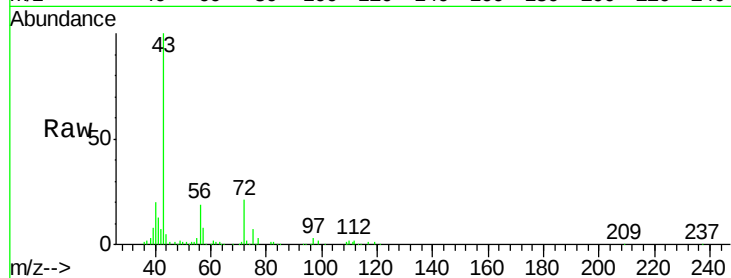
VSTDCCC050

Tot Ion: 43 Resp: 249944

Ion Ratio Lower Upper

43 100

72 21.3 16.2 24.4



#26

2,2-Dichloropropane

Concen: 60.107 ug/l

RT: 3.60 min Scan# 301

Delta R.T. -0.01 min

Lab File: VF061954.D

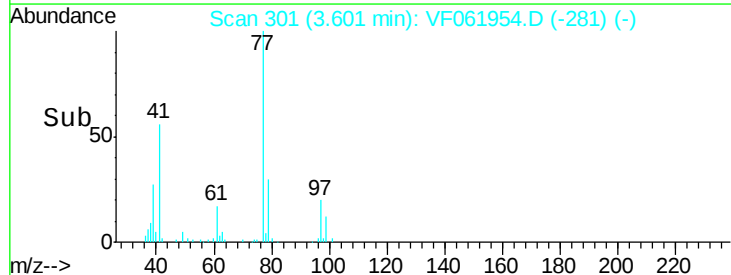
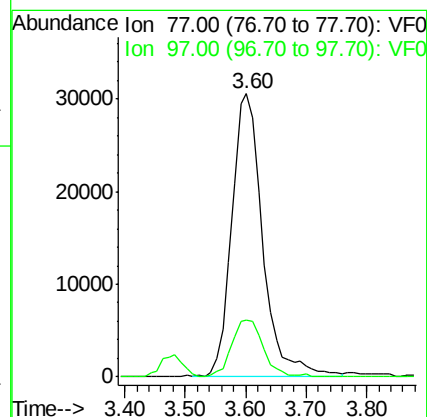
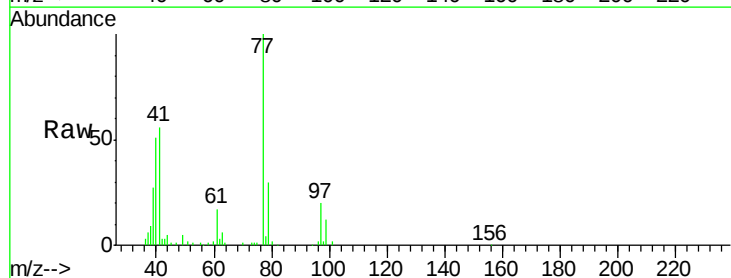
Acq: 15 Mar 2019 11:03

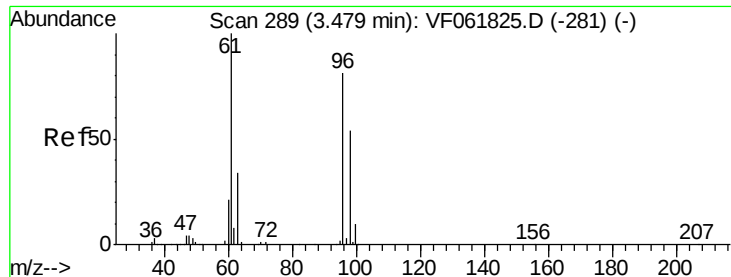
Tgt Ion: 77 Resp: 108795

Ion Ratio Lower Upper

77 100

97 20.2 10.4 31.4



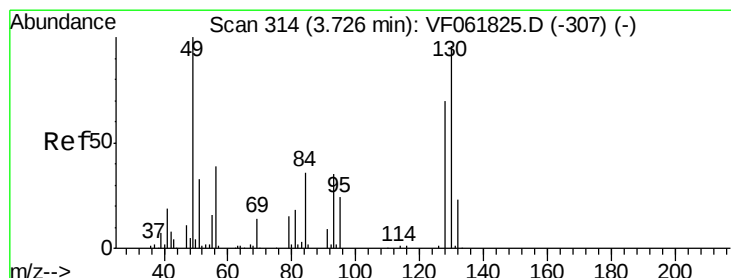
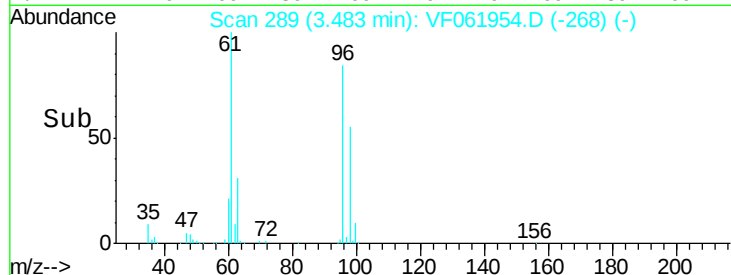
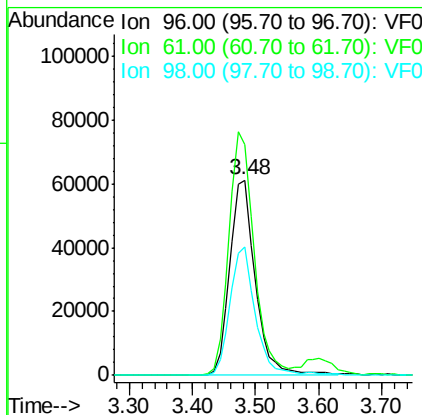
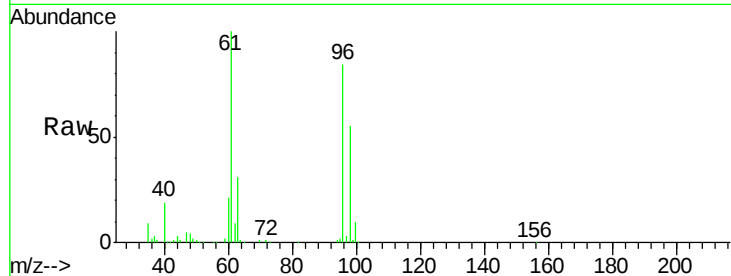


#27

cis-1,2-Dichloroethene
 Concen: 55.605 ug/l
 RT: 3.48 min Scan# 289
 Delta R.T. 0.00 min
 Lab File: VF061954.D
 Acq: 15 Mar 2019 11:03

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

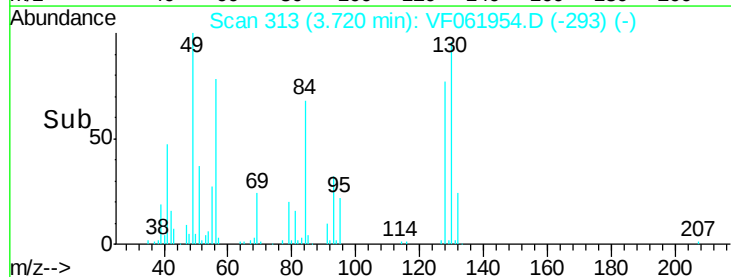
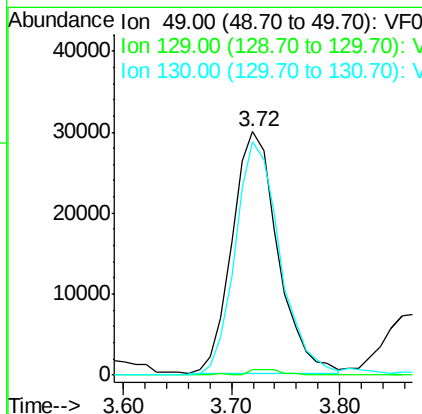
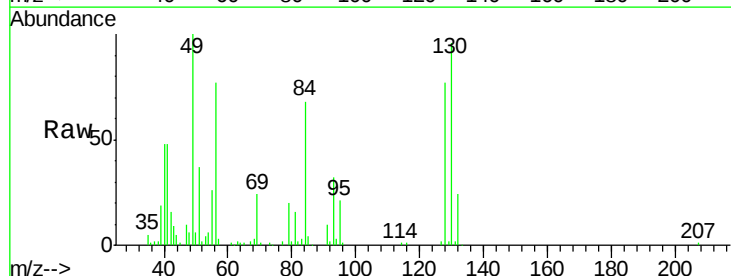
Tot Ion	96	Resp	171627
Ion	Ratio	Lower	Upper
96	100		
61	118.4	0.0	245.8
98	65.7	0.0	132.6

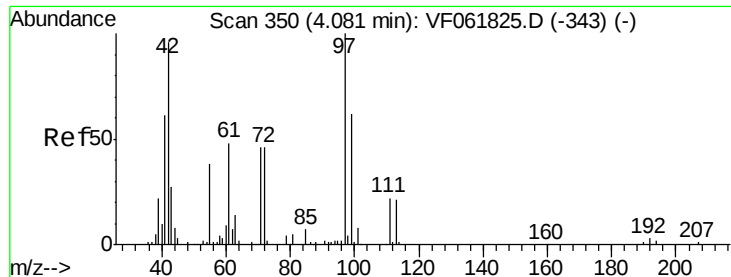


#28

Bromochloromethane
 Concen: 49.530 ug/l
 RT: 3.72 min Scan# 313
 Delta R.T. -0.01 min
 Lab File: VF061954.D
 Acq: 15 Mar 2019 11:03

Tgt Ion	49	Resp	87540
Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	0.0#
130	95.7	76.9	115.3

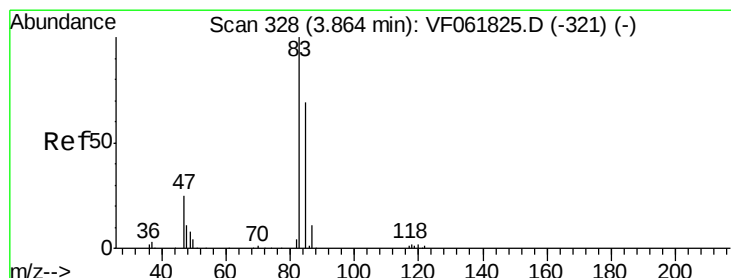
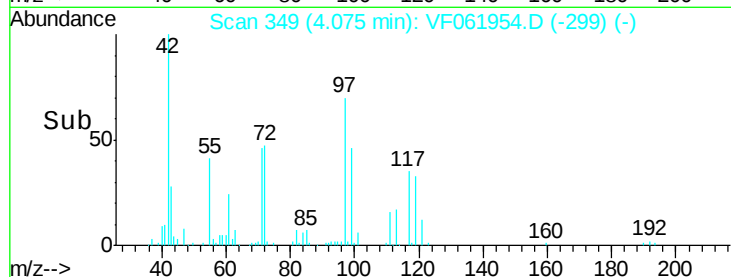
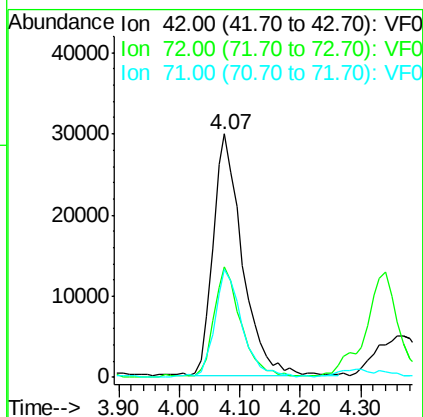
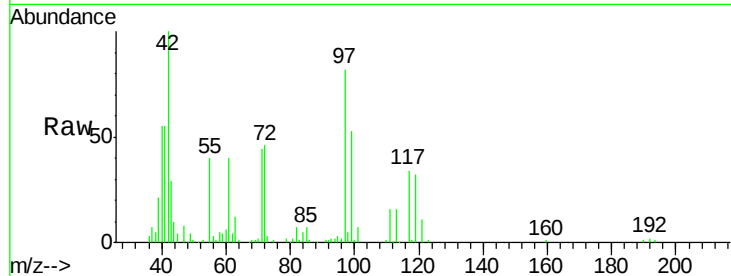




#29
Tetrahydrofuran
Concen: 267.289 ug/l
RT: 4.07 min Scan# 349
Delta R.T. -0.01 min
Lab File: VF061954.D
Acq: 15 Mar 2019 11:03

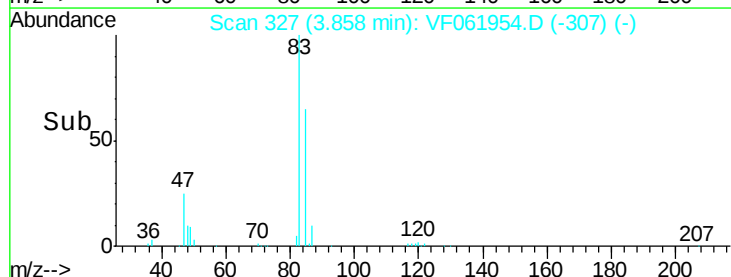
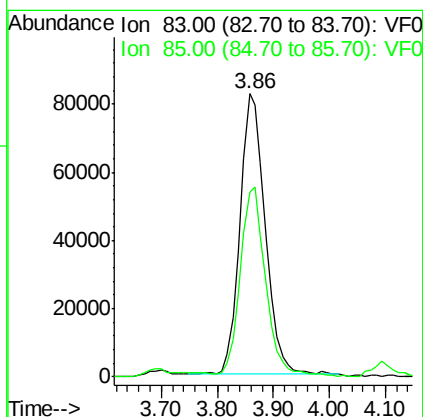
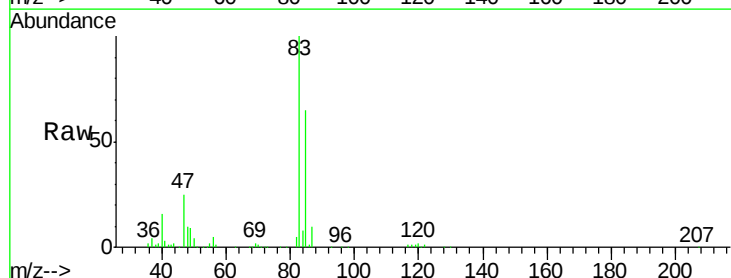
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

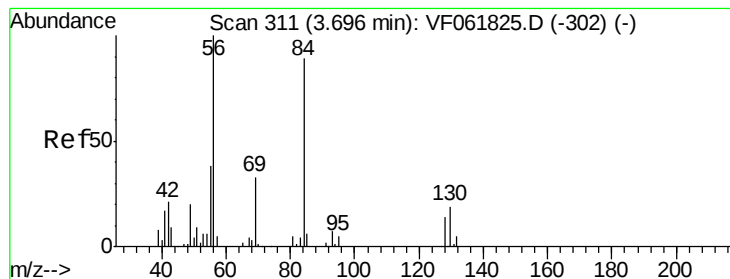
Tot Ion: 42 Resp: 99000
Ion Ratio Lower Upper
42 100
72 43.4 34.4 51.6
71 42.5 34.6 52.0



#30
Chloroform
Concen: 55.272 ug/l
RT: 3.86 min Scan# 327
Delta R.T. -0.01 min
Lab File: VF061954.D
Acq: 15 Mar 2019 11:03

Tgt Ion: 83 Resp: 255977
Ion Ratio Lower Upper
83 100
85 65.2 55.3 82.9





#31

Cyclohexane

Concen: 33.191 ug/l

RT: 3.69 min Scan# 310

Delta R.T. -0.01 min

Lab File: VF061954.D

Acq: 15 Mar 2019 11:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

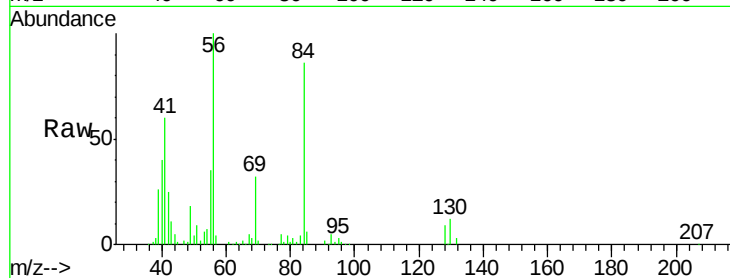
Tot Ion: 56 Resp: 140956

Ion Ratio Lower Upper

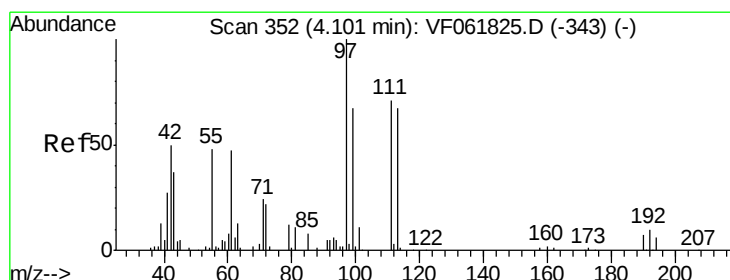
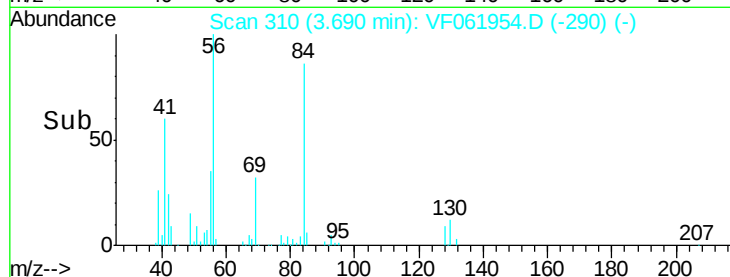
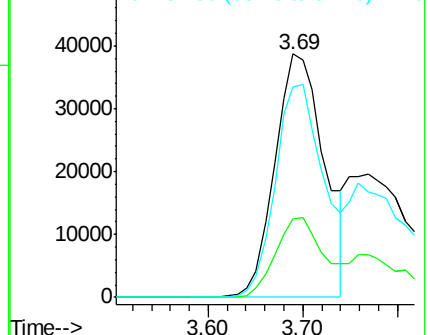
56 100

69 32.1 26.0 39.0

84 86.3 71.0 106.6



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



#32

1,1,1-Trichloroethane

Concen: 56.515 ug/l

RT: 4.09 min Scan# 351

Delta R.T. -0.01 min

Lab File: VF061954.D

Acq: 15 Mar 2019 11:03

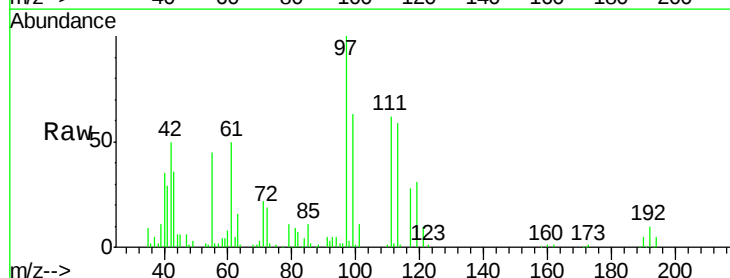
Tgt Ion: 97 Resp: 161329

Ion Ratio Lower Upper

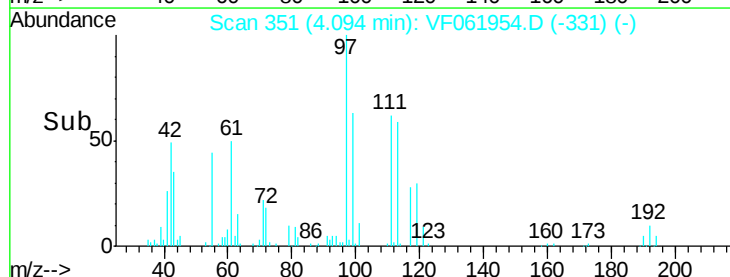
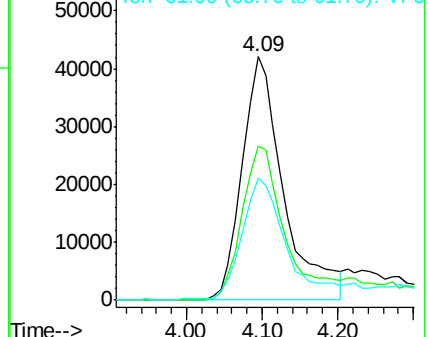
97 100

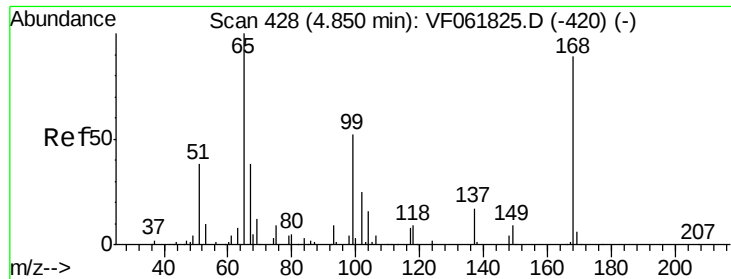
99 63.2 53.8 80.8

61 50.1 37.9 56.9



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

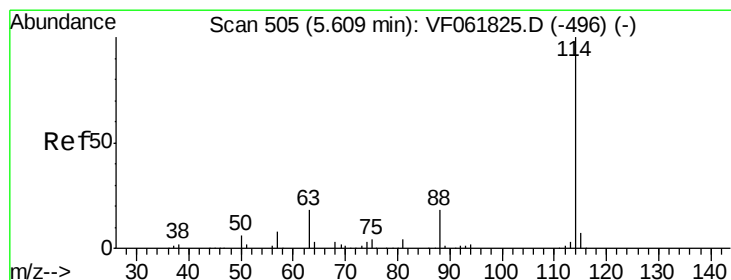
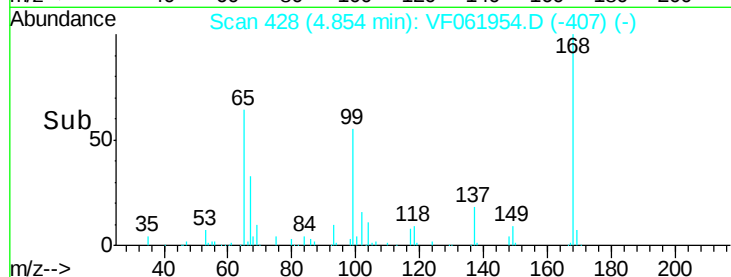
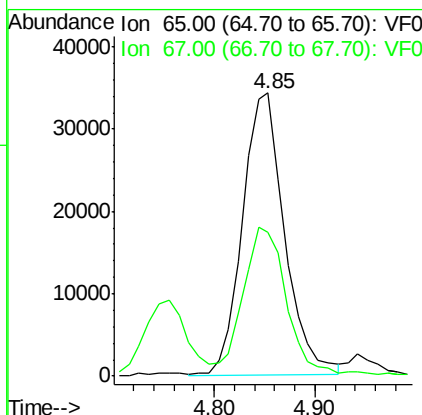
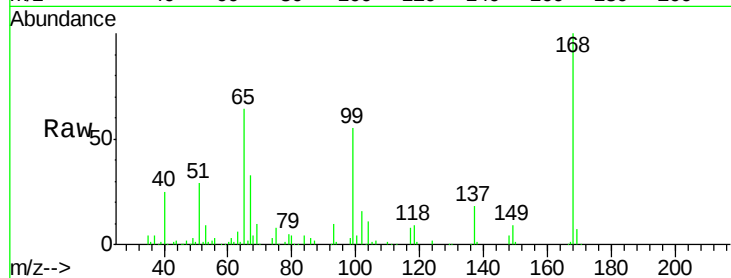




#33
 1,2-Dichloroethane-d4
 Concen: 49.641 ug/l
 RT: 4.85 min Scan# 428
 Delta R.T. 0.00 min
 Lab File: VF061954.D
 Acq: 15 Mar 2019 11:03

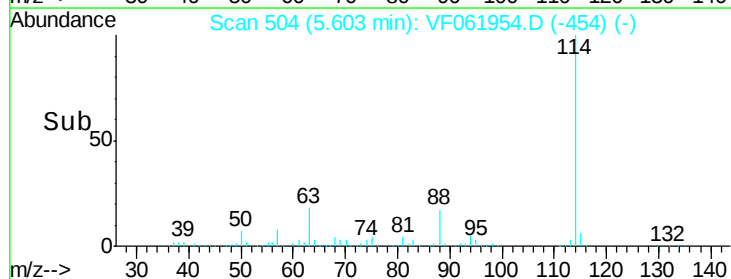
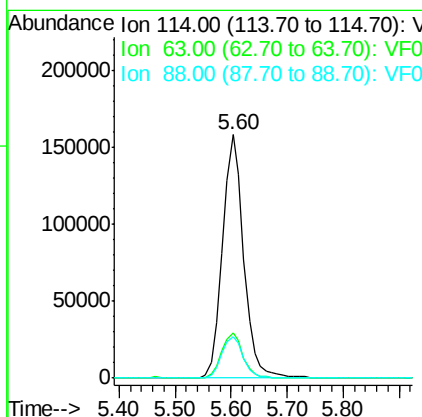
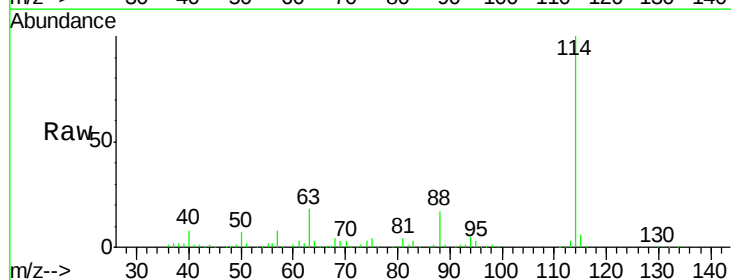
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

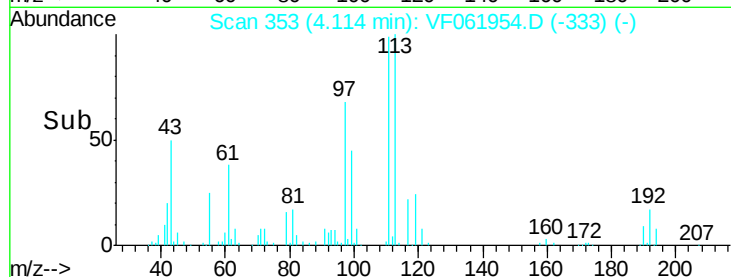
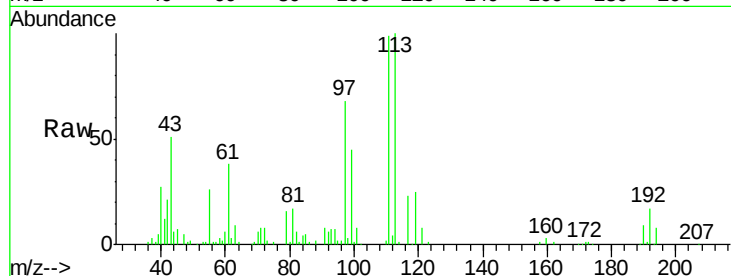
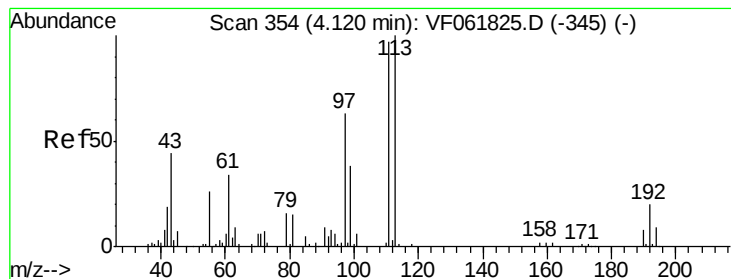
Tot Ion: 65 Resp: 100058
 Ion Ratio Lower Upper
 65 100
 67 50.7 0.0 108.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.60 min Scan# 504
 Delta R.T. -0.01 min
 Lab File: VF061954.D
 Acq: 15 Mar 2019 11:03

Tgt Ion:114 Resp: 417916
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 35.6
 88 17.1 0.0 35.6





#35

Dibromofluoromethane

Concen: 49.166 ug/l

RT: 4.11 min Scan# 353

Delta R.T. -0.01 min

Lab File: VF061954.D

Acq: 15 Mar 2019 11:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

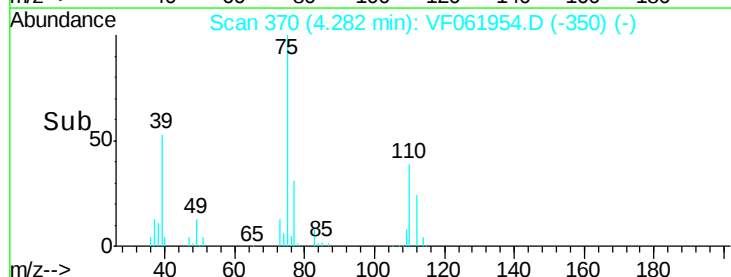
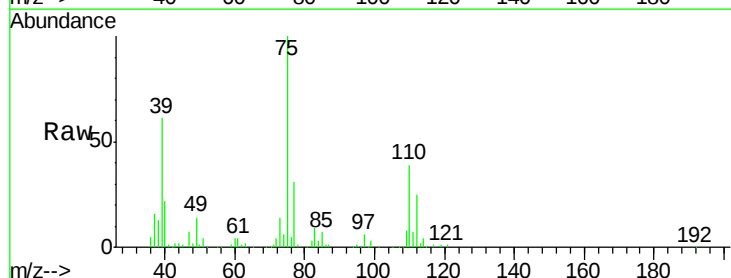
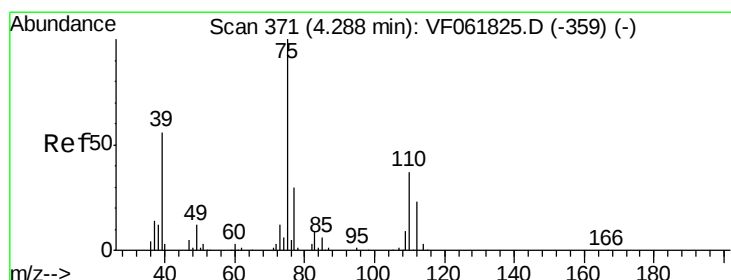
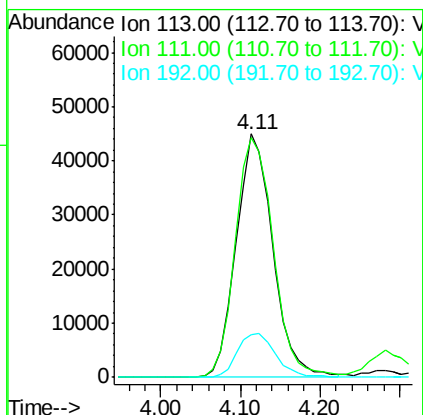
Tot Ion:113 Resp: 143393

Ion Ratio Lower Upper

113 100

111 98.6 77.6 116.4

192 17.3 15.9 23.9



#36

1,1-Dichloropropene

Concen: 54.412 ug/l

RT: 4.28 min Scan# 370

Delta R.T. -0.01 min

Lab File: VF061954.D

Acq: 15 Mar 2019 11:03

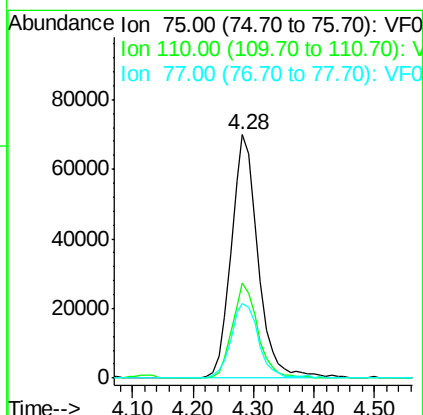
Tgt Ion: 75 Resp: 214802

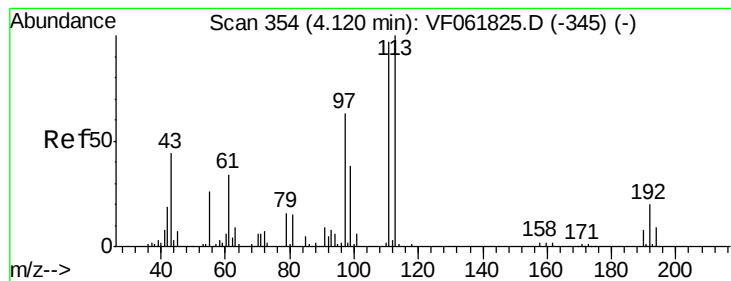
Ion Ratio Lower Upper

75 100

110 38.9 18.6 55.6

77 30.6 24.2 36.2





#37

Ethyl Acetate

Concen: 51.536 ug/l

RT: 4.11 min Scan# 353

Delta R.T. -0.01 min

Lab File: VF061954.D

Acq: 15 Mar 2019 11:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

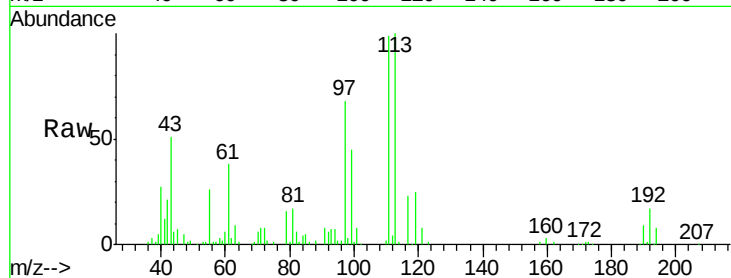
Tot Ion: 43 Resp: 85394

Ion Ratio Lower Upper

43 100

61 74.4 60.7 91.1

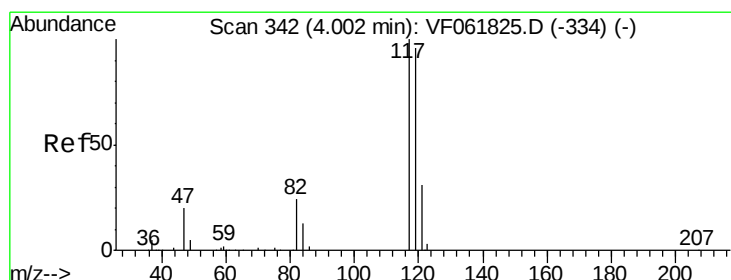
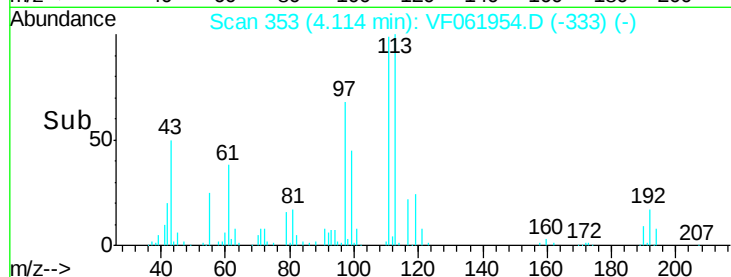
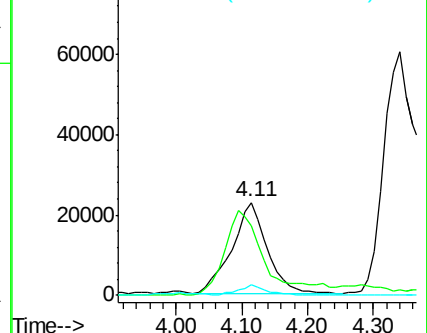
70 11.0 10.6 15.8



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0



#38

Carbon Tetrachloride

Concen: 56.031 ug/l

RT: 4.00 min Scan# 341

Delta R.T. -0.01 min

Lab File: VF061954.D

Acq: 15 Mar 2019 11:03

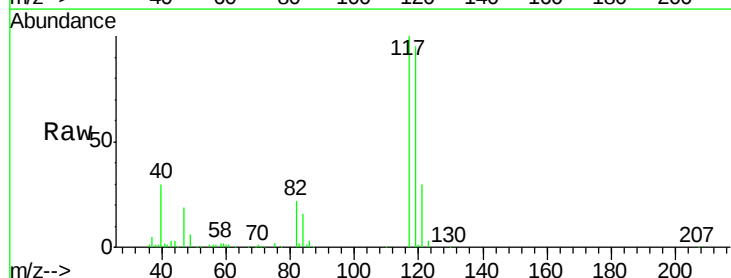
Tgt Ion: 117 Resp: 156582

Ion Ratio Lower Upper

117 100

119 94.7 76.6 114.8

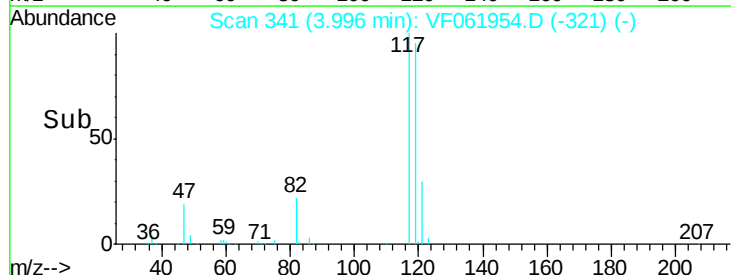
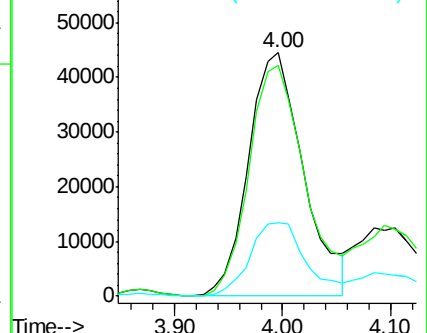
121 30.2 24.4 36.6

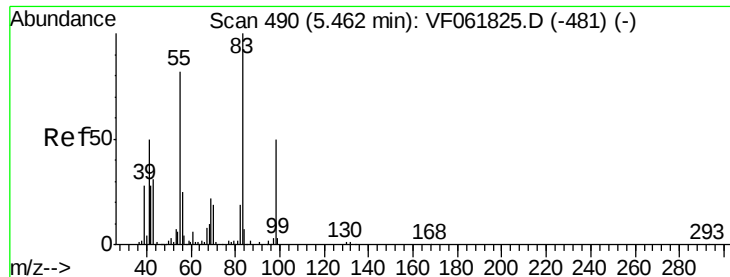


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V

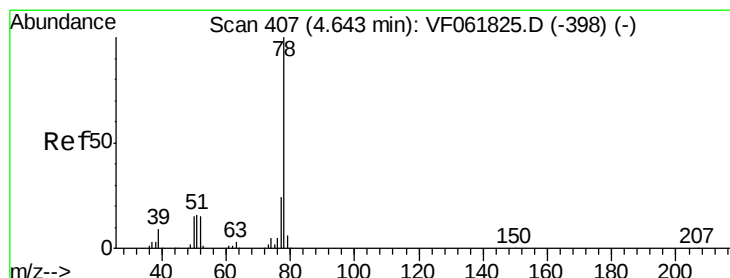
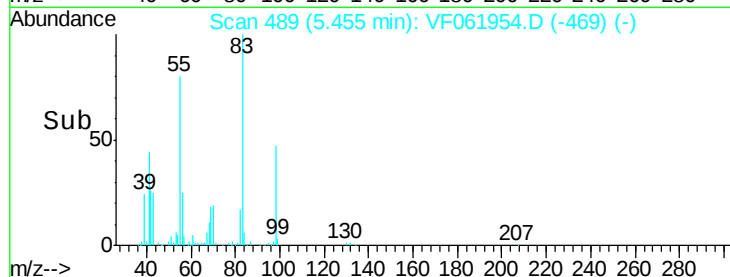
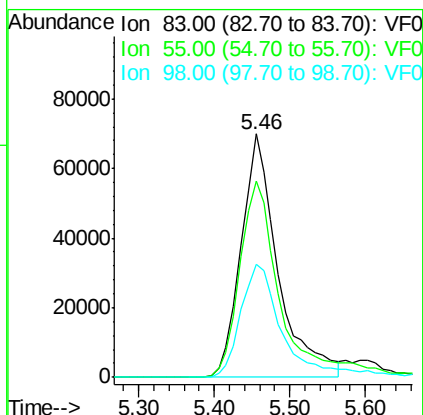
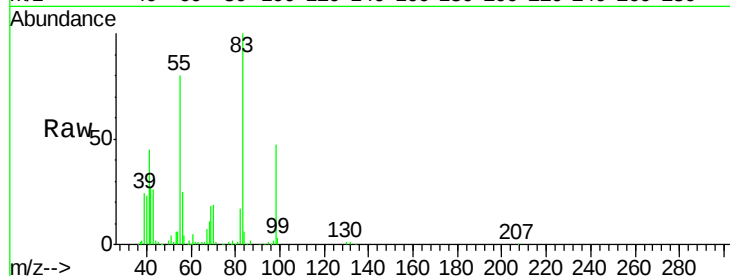




#39
Methvlcvclohexane
Concen: 50.879 ug/l
RT: 5.46 min Scan# 489
Delta R.T. -0.01 min
Lab File: VF061954.D
Acq: 15 Mar 2019 11:03

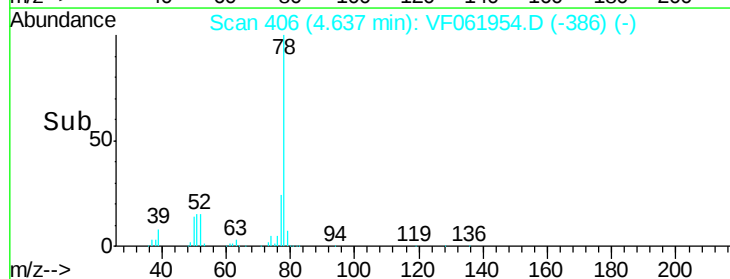
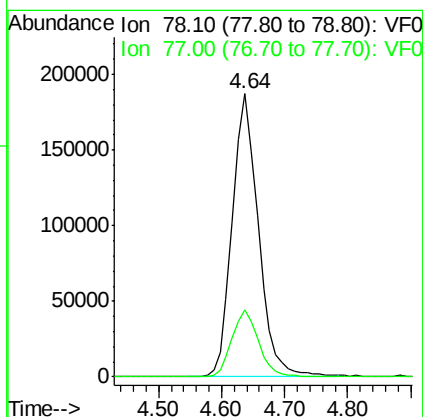
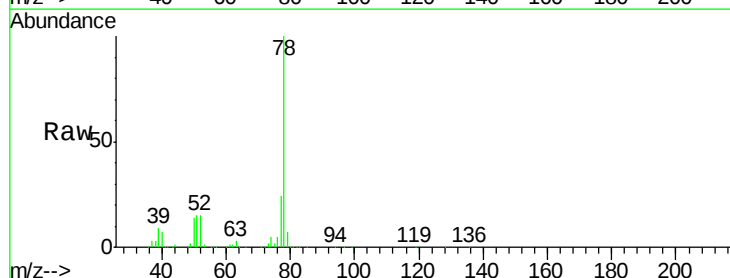
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

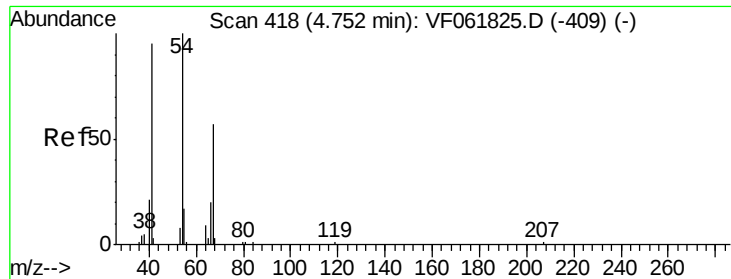
Tot Ion: 83 Resp: 237238
Ion Ratio Lower Upper
83 100
55 80.5 66.0 99.0
98 46.6 39.8 59.6



#40
Benzene
Concen: 52.298 ug/l
RT: 4.64 min Scan# 406
Delta R.T. -0.01 min
Lab File: VF061954.D
Acq: 15 Mar 2019 11:03

Tgt Ion: 78 Resp: 539648
Ion Ratio Lower Upper
78 100
77 23.9 19.5 29.3





#41

Methacrylonitrile

Concen: 51.769 ug/l

RT: 4.76 min Scan# 418

Delta R.T. 0.00 min

Lab File: VF061954.D

Acq: 15 Mar 2019 11:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 46998

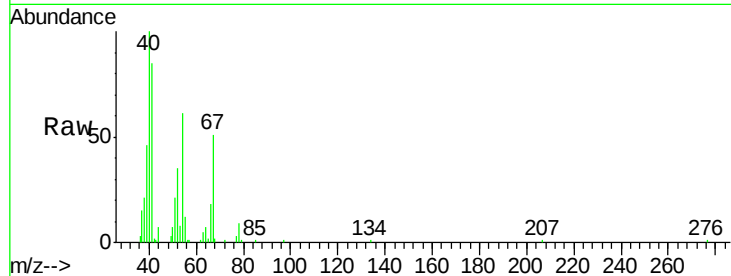
Ion Ratio Lower Upper

41 100

39 54.9 43.0 64.6

67 60.5 47.8 71.8

52 41.8 40.5 60.7

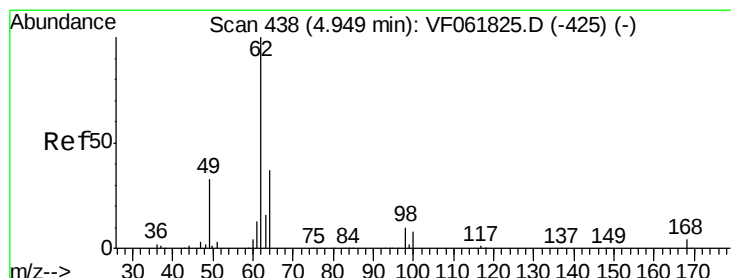
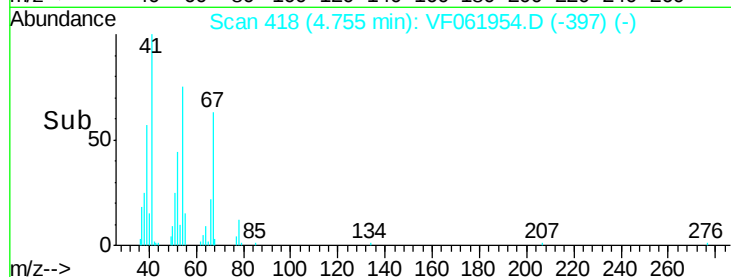
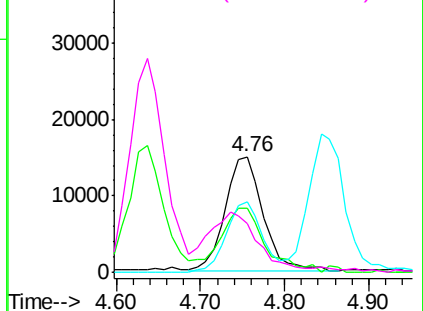


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#42

1,2-Dichloroethane

Concen: 52.188 ug/l

RT: 4.94 min Scan# 437

Delta R.T. -0.01 min

Lab File: VF061954.D

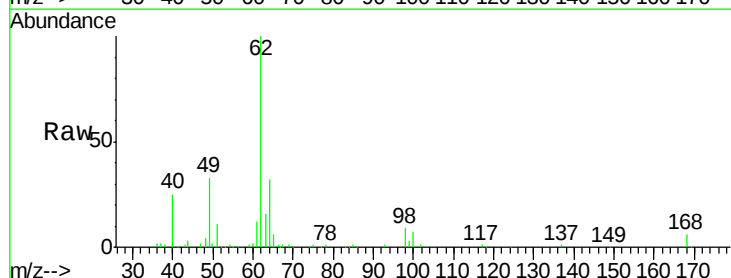
Acq: 15 Mar 2019 11:03

Tgt Ion: 62 Resp: 134204

Ion Ratio Lower Upper

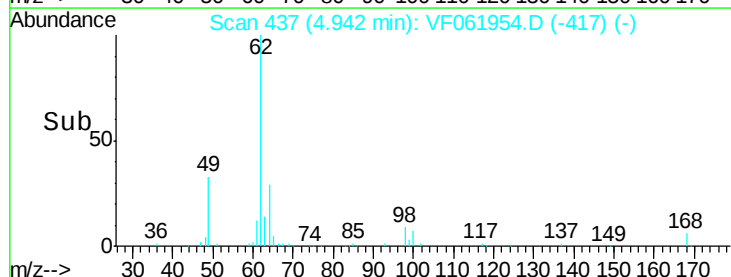
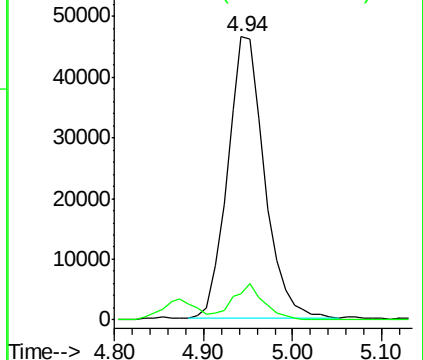
62 100

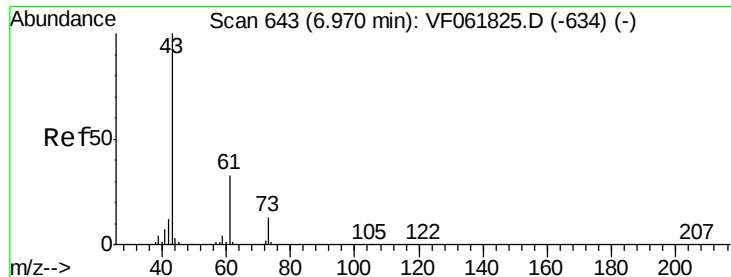
98 9.3 0.0 21.0



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



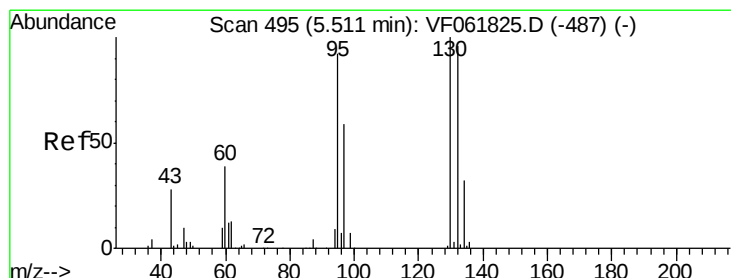
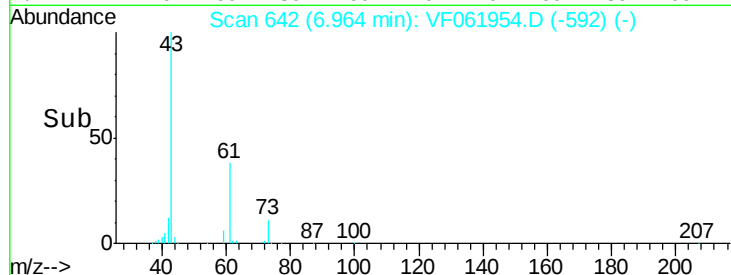
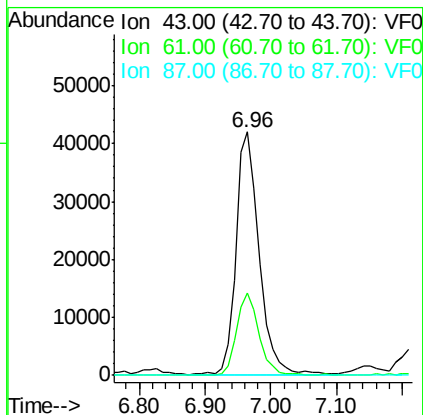
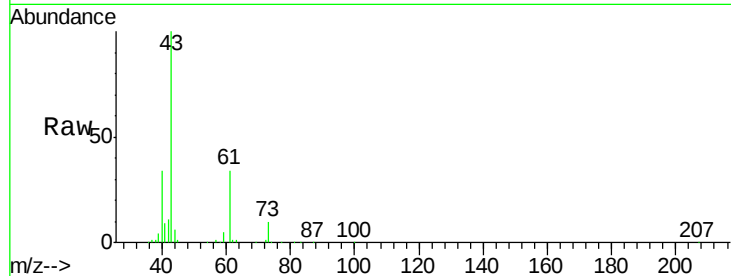


#43

Isopropyl Acetate
 Concen: 50.298 ug/l
 RT: 6.96 min Scan# 642
 Delta R.T. -0.01 min
 Lab File: VF061954.D
 Acq: 15 Mar 2019 11:03

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

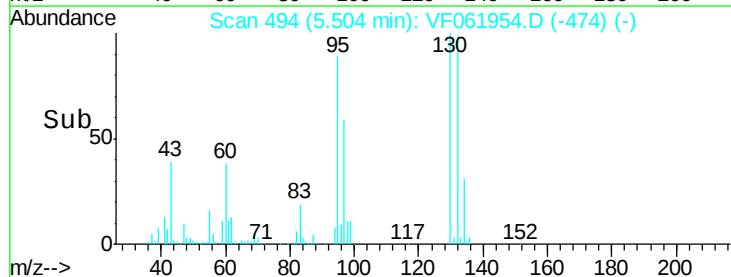
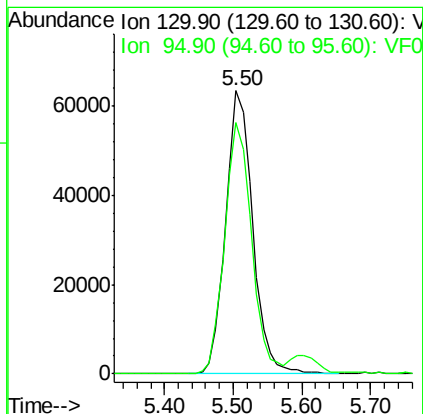
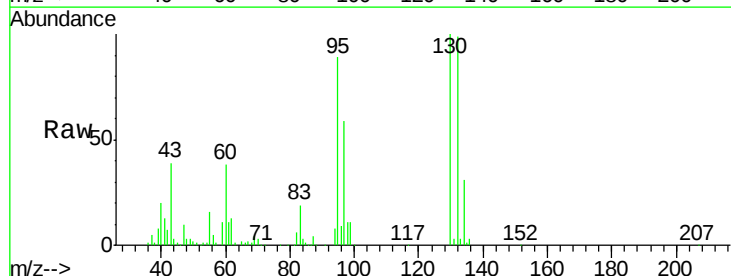
Tot Ion: 43 Resp: 102733
 Ion Ratio Lower Upper
 43 100
 61 33.8 26.1 39.1
 87 0.3 0.0 0.0#

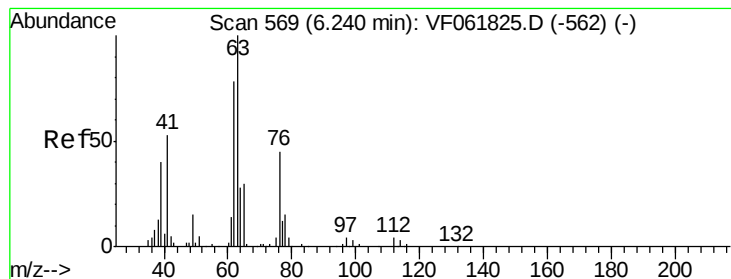


#44

Trichloroethene
 Concen: 54.199 ug/l
 RT: 5.50 min Scan# 494
 Delta R.T. -0.01 min
 Lab File: VF061954.D
 Acq: 15 Mar 2019 11:03

Tgt Ion: 130 Resp: 173803
 Ion Ratio Lower Upper
 130 100
 95 88.6 0.0 184.0





#45

1,2-Dichloropropane

Concen: 53.990 ug/l

RT: 6.24 min Scan# 569

Delta R.T. 0.00 min

Lab File: VF061954.D

Acq: 15 Mar 2019 11:03

Instrument :

MSVOA_F

ClientSampleId :

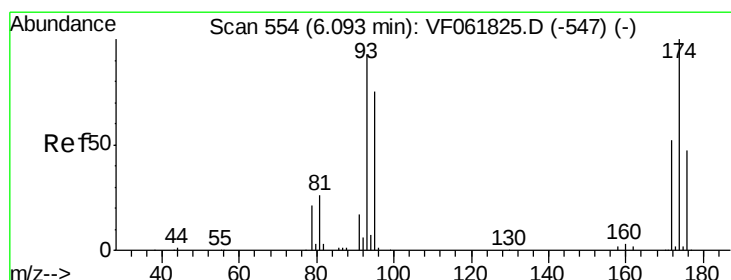
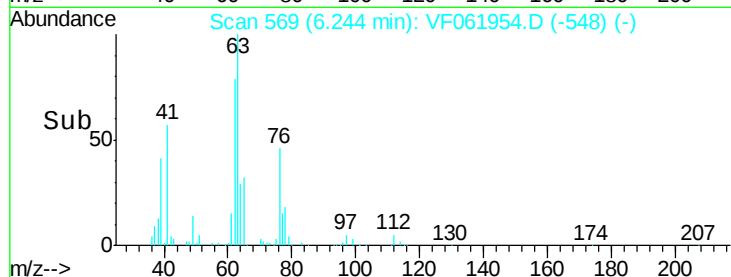
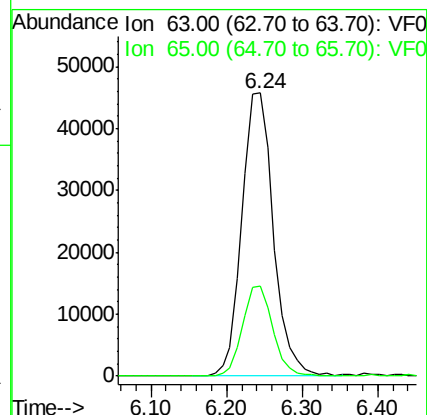
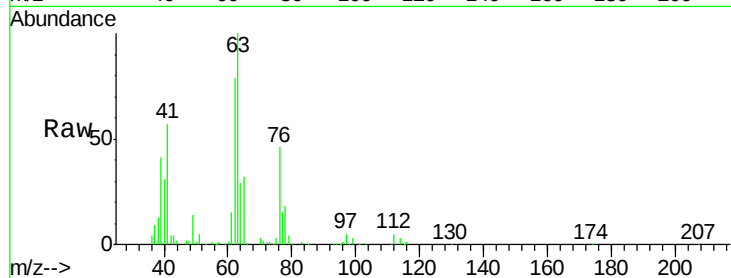
VSTDCCC050

Tot Ion: 63 Resp: 132476

Ion Ratio Lower Upper

63 100

65 31.9 24.0 36.0



#46

Dibromomethane

Concen: 55.455 ug/l

RT: 6.09 min Scan# 553

Delta R.T. -0.01 min

Lab File: VF061954.D

Acq: 15 Mar 2019 11:03

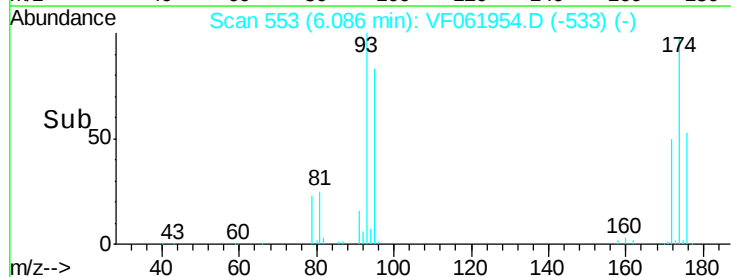
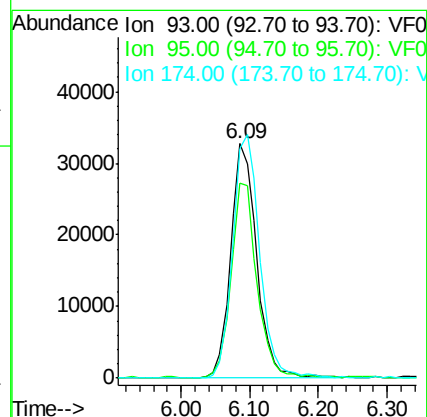
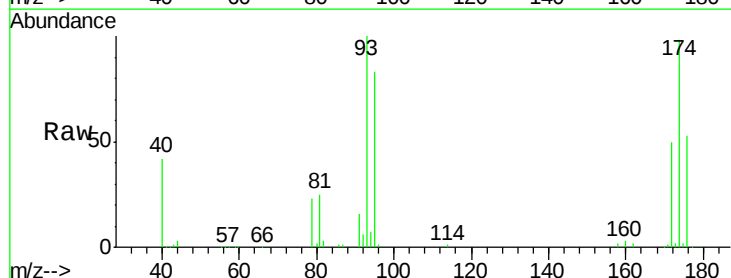
Tgt Ion: 93 Resp: 85639

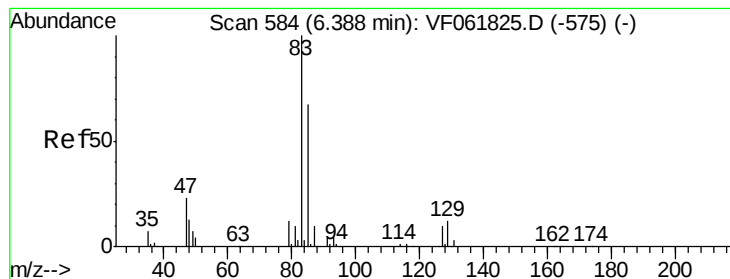
Ion Ratio Lower Upper

93 100

95 83.4 64.4 96.6

174 98.0 85.8 128.6





#47

Bromodichloromethane

Concen: 54.769 ug/l

RT: 6.39 min Scan# 584

Delta R.T. 0.00 min

Lab File: VF061954.D

Acq: 15 Mar 2019 11:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

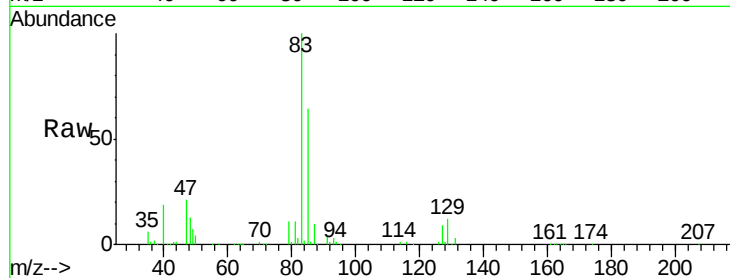
Tot Ion: 83 Resp: 186855

Ion Ratio Lower Upper

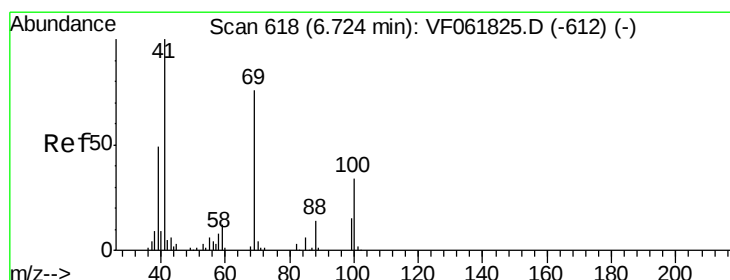
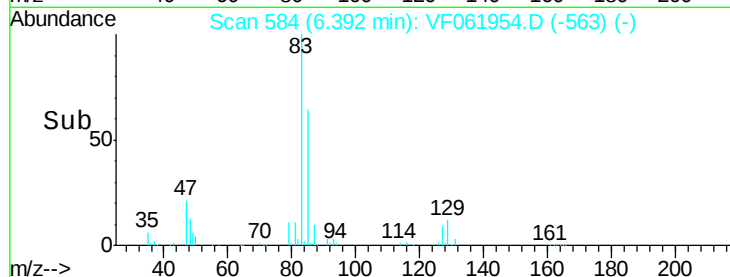
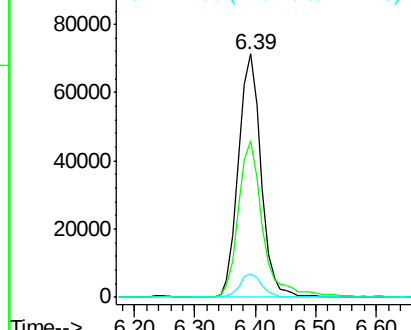
83 100

85 64.5 53.6 80.4

127 9.4 8.1 12.1



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



#48

Methyl methacrylate

Concen: 53.095 ug/l

RT: 6.72 min Scan# 617

Delta R.T. -0.01 min

Lab File: VF061954.D

Acq: 15 Mar 2019 11:03

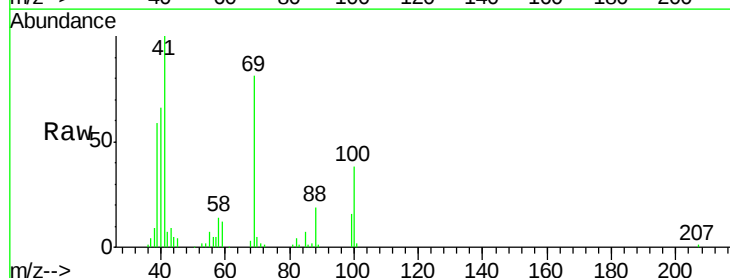
Tgt Ion: 41 Resp: 68633

Ion Ratio Lower Upper

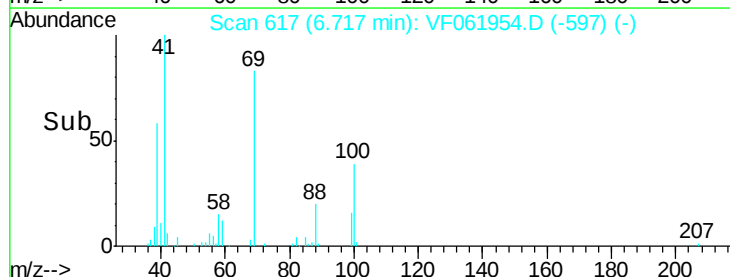
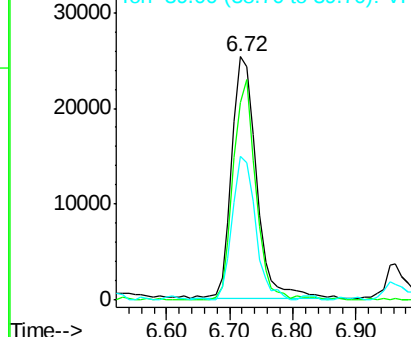
41 100

69 81.1 60.4 90.6

39 59.1 39.7 59.5



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

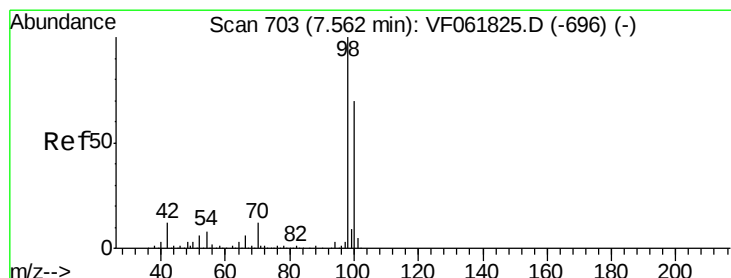
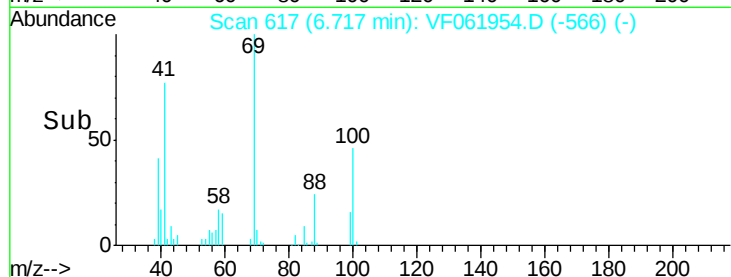
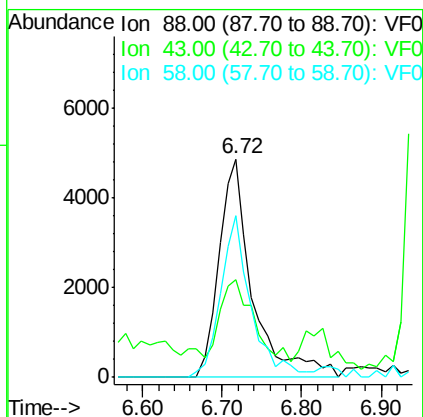
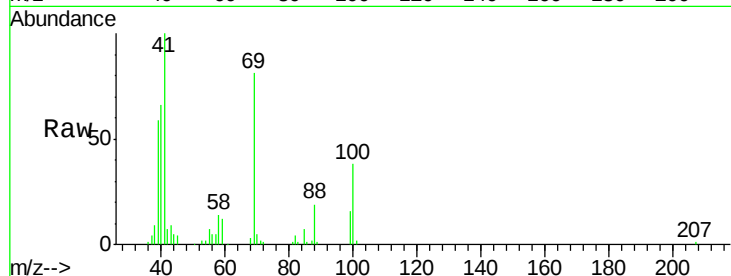




#49
1,4-Dioxane
Concen: 1206.344 ug/l
RT: 6.72 min Scan# 617
Delta R.T. 0.00 min
Lab File: VF061954.D
Acq: 15 Mar 2019 11:03

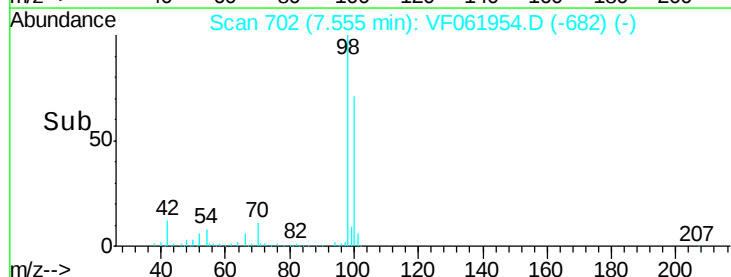
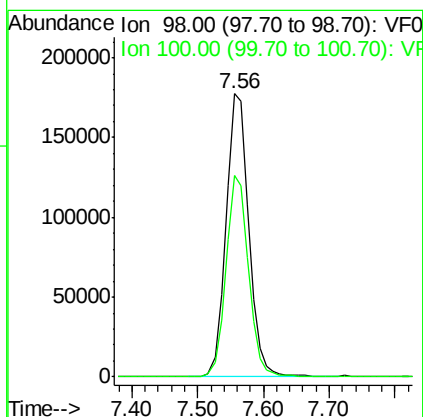
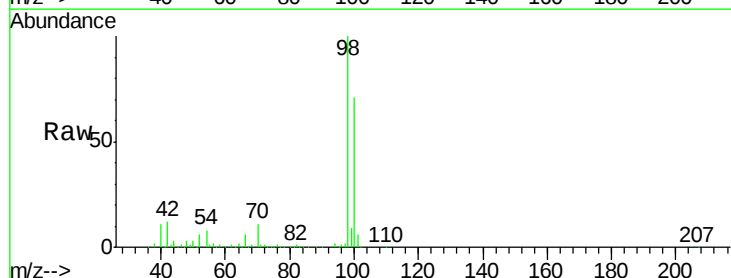
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

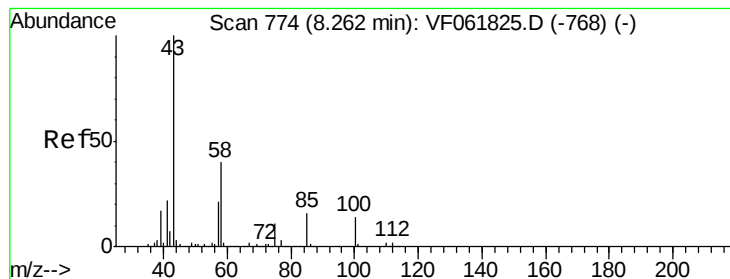
Tot Ion: 88 Resp: 14255
Ion Ratio Lower Upper
88 100
43 44.7 28.4 42.6#
58 73.9 50.7 76.1



#50
Toluene-d8
Concen: 49.765 ug/l
RT: 7.56 min Scan# 702
Delta R.T. -0.01 min
Lab File: VF061954.D
Acq: 15 Mar 2019 11:03

Tgt Ion: 98 Resp: 431403
Ion Ratio Lower Upper
98 100
100 71.4 56.0 84.0





#51

4-Methyl-2-Pentanone

Concen: 268.949 ug/l

RT: 8.27 min Scan# 774

Delta R.T. 0.00 min

Lab File: VF061954.D

Acq: 15 Mar 2019 11:03

Instrument :

MSVOA_F

ClientSampleId :

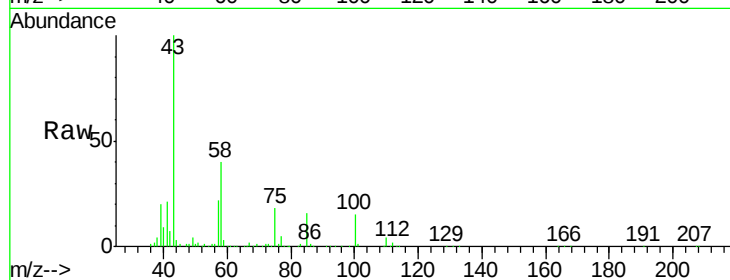
VSTDCCC050

Tot Ion: 43 Resp: 379661

Ion Ratio Lower Upper

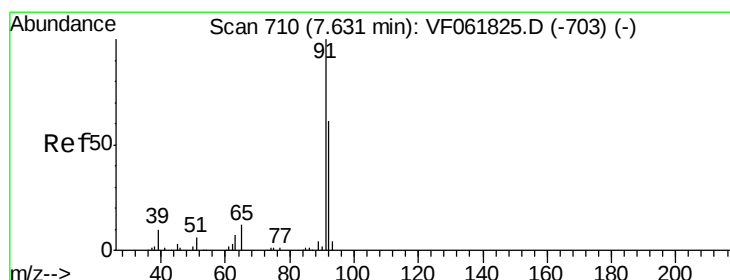
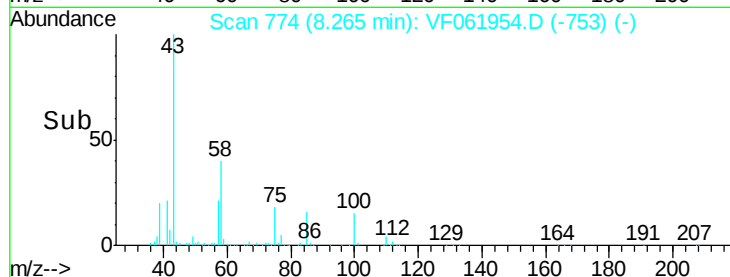
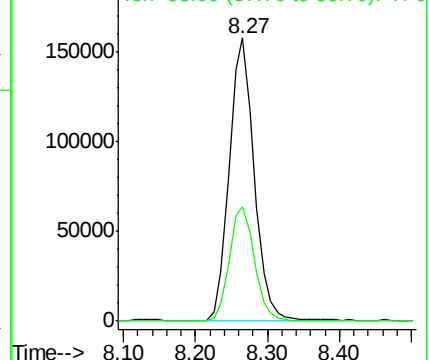
43 100

58 40.3 31.8 47.8



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 55.572 ug/l

RT: 7.63 min Scan# 710

Delta R.T. 0.00 min

Lab File: VF061954.D

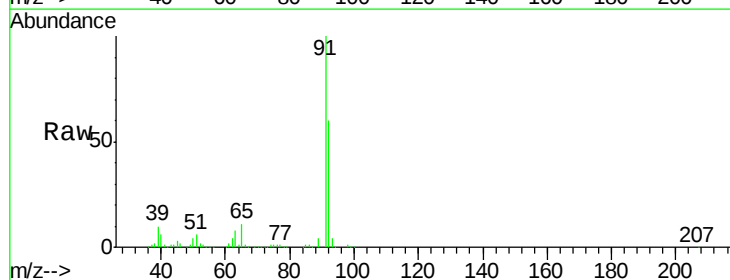
Acq: 15 Mar 2019 11:03

Tgt Ion: 92 Resp: 339231

Ion Ratio Lower Upper

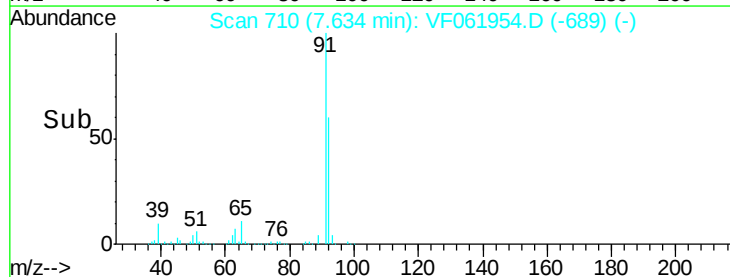
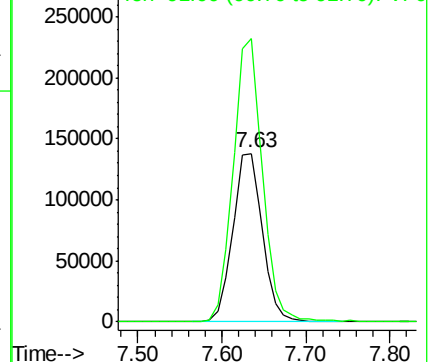
92 100

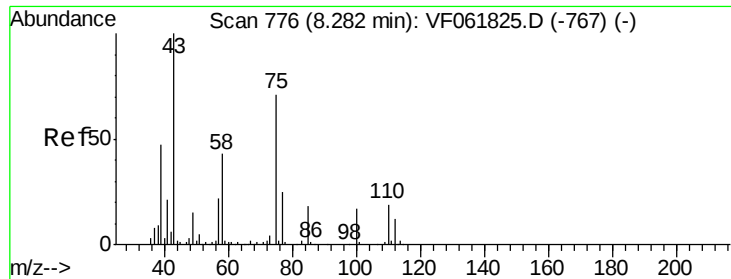
91 167.8 132.0 198.0



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

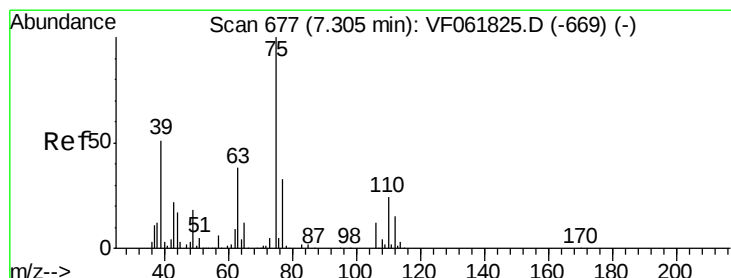
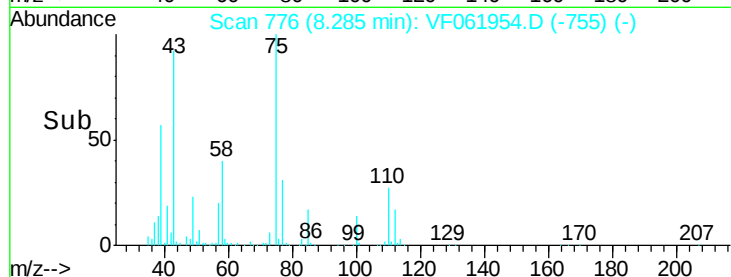
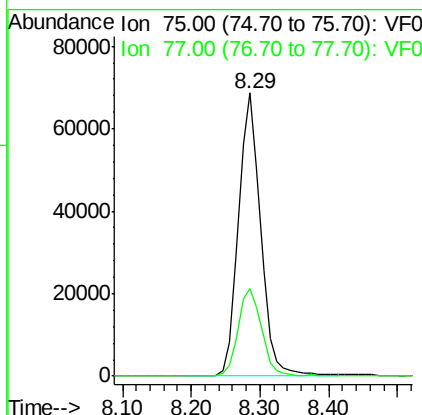
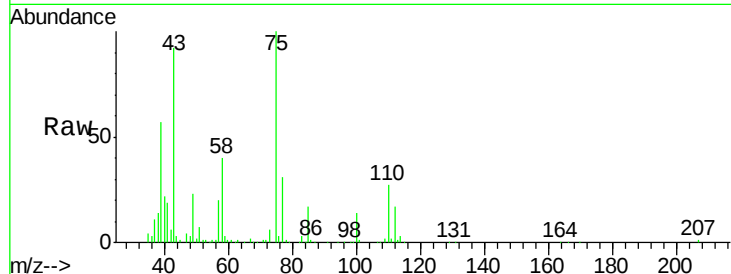




#53
 t-1,3-Dichloropropene
 Concen: 54.662 ug/l
 RT: 8.29 min Scan# 776
 Delta R.T. 0.00 min
 Lab File: VF061954.D
 Acq: 15 Mar 2019 11:03

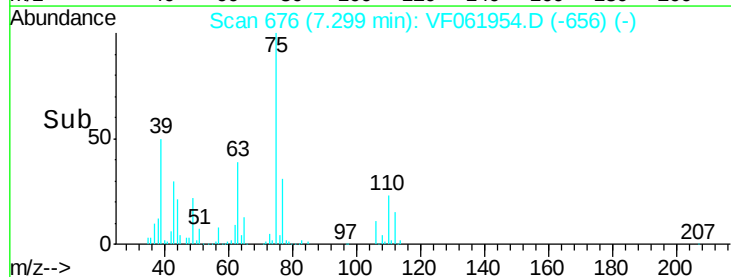
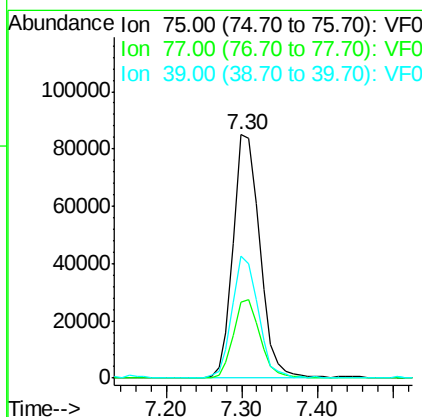
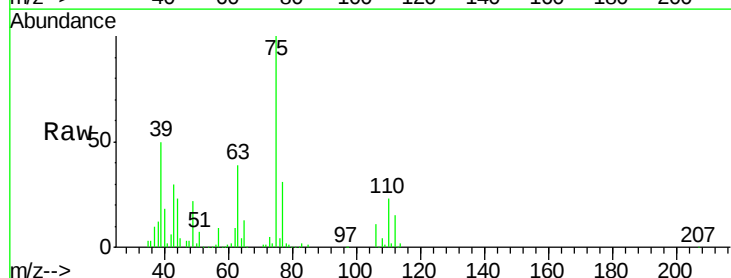
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

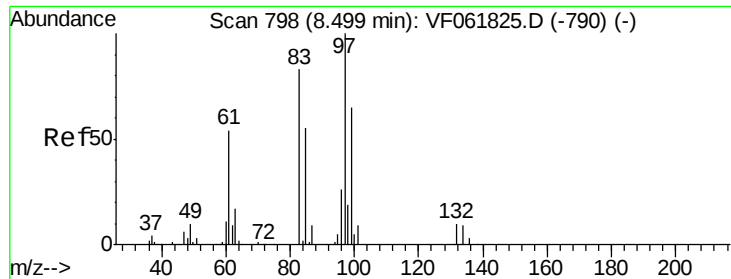
Tot Ion: 75 Resp: 153938
 Ion Ratio Lower Upper
 75 100
 77 31.0 28.0 42.0



#54
 cis-1,3-Dichloropropene
 Concen: 53.647 ug/l
 RT: 7.30 min Scan# 676
 Delta R.T. -0.01 min
 Lab File: VF061954.D
 Acq: 15 Mar 2019 11:03

Tgt Ion: 75 Resp: 208390
 Ion Ratio Lower Upper
 75 100
 77 31.4 26.3 39.5
 39 50.4 40.8 61.2





#55

1,1,2-Trichloroethane

Concen: 52.175 ug/l

RT: 8.49 min Scan# 797

Delta R.T. -0.01 min

Lab File: VF061954.D

Acq: 15 Mar 2019 11:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 91766

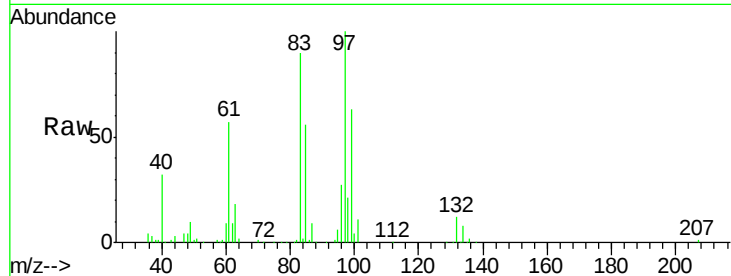
Ion Ratio Lower Upper

97 100

83 89.7 66.5 99.7

85 56.1 44.2 66.2

99 63.4 51.8 77.6

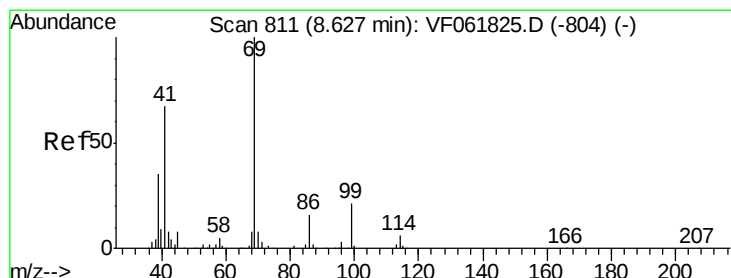
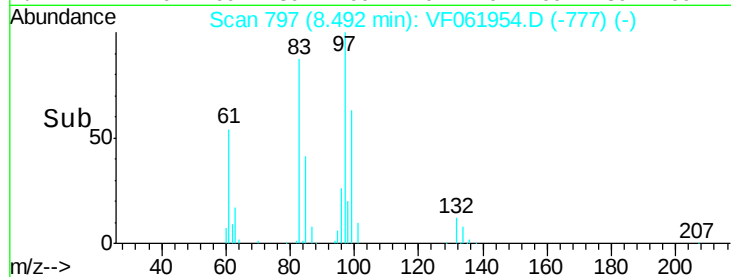
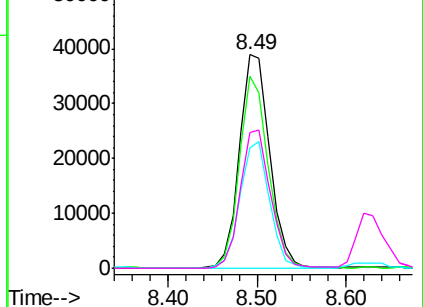


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 53.195 ug/l

RT: 8.63 min Scan# 811

Delta R.T. 0.00 min

Lab File: VF061954.D

Acq: 15 Mar 2019 11:03

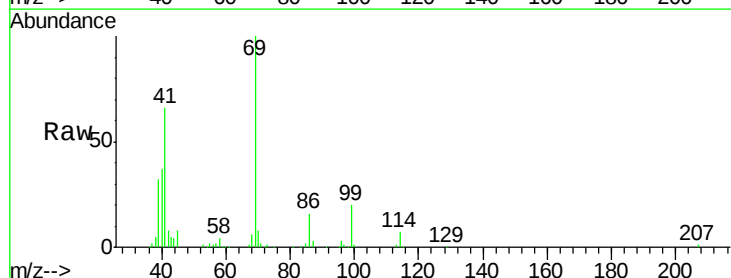
Tgt Ion: 69 Resp: 105442

Ion Ratio Lower Upper

69 100

41 66.5 53.9 80.9

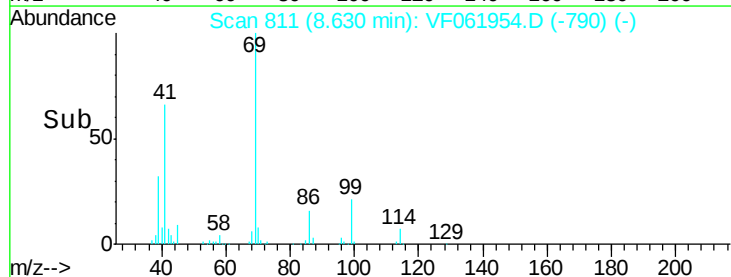
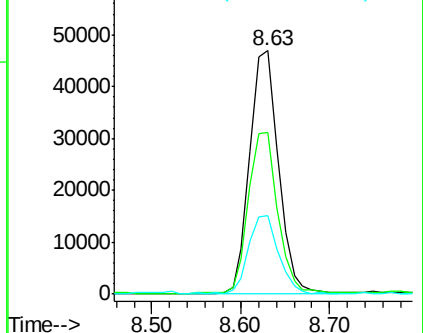
39 32.4 28.3 42.5

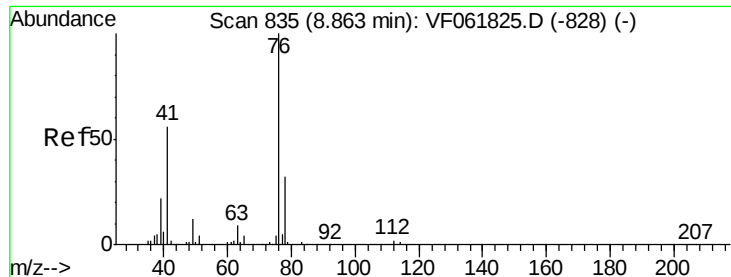


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 55.585 ug/l

RT: 8.86 min Scan# 834

Delta R.T. -0.01 min

Lab File: VF061954.D

Acq: 15 Mar 2019 11:03

Instrument :

MSVOA_F

ClientSampleId :

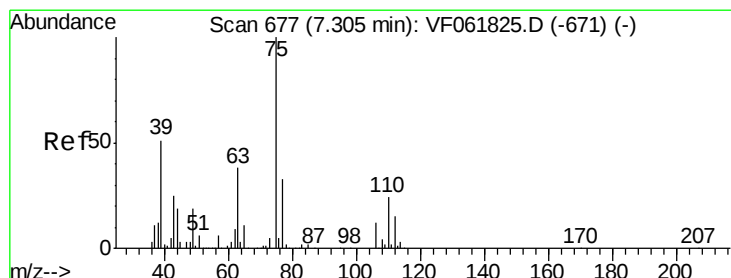
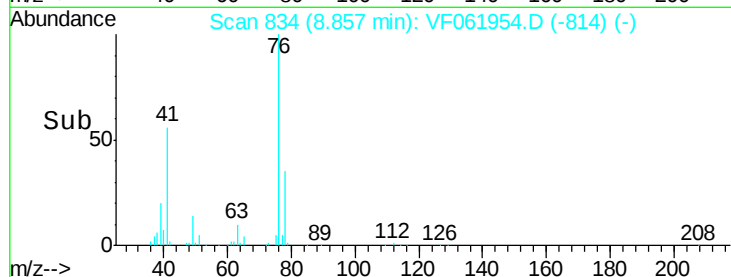
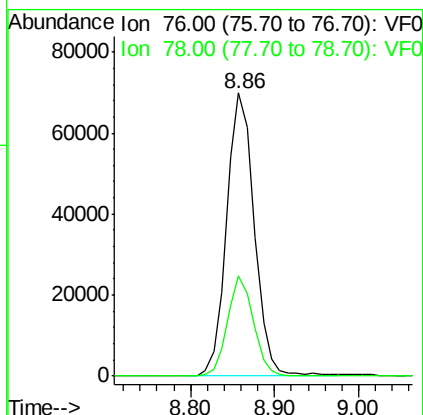
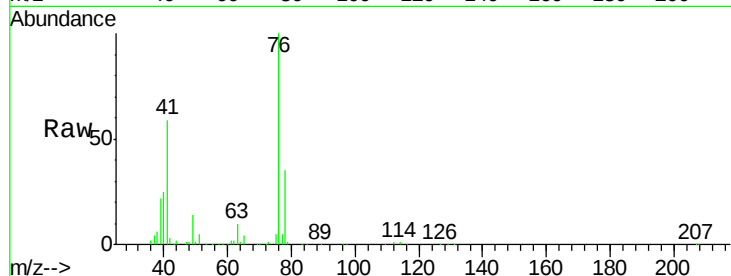
VSTDCCC050

Tot Ion: 76 Resp: 159883

Ion Ratio Lower Upper

76 100

78 35.3 25.4 38.2



#58

2-Chloroethyl Vinyl ether

Concen: 247.329 ug/l

RT: 7.30 min Scan# 676

Delta R.T. -0.01 min

Lab File: VF061954.D

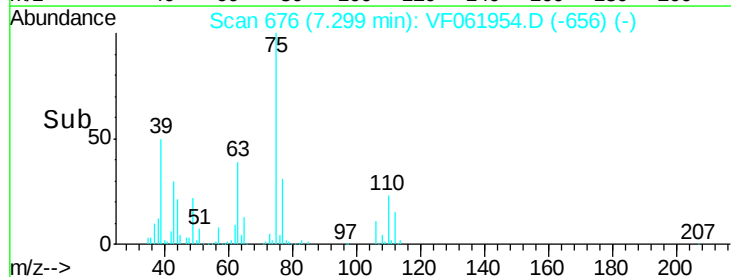
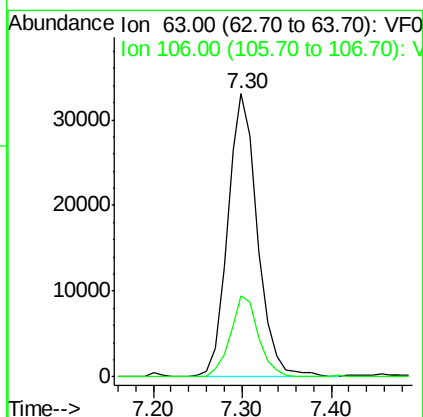
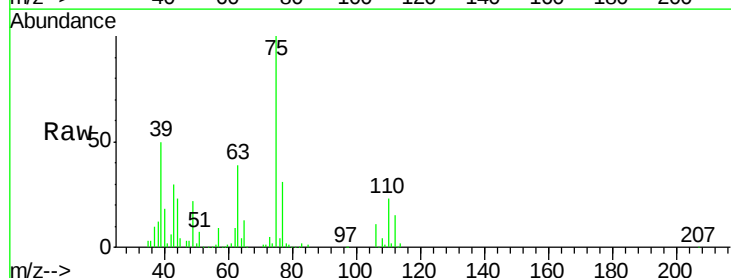
Acq: 15 Mar 2019 11:03

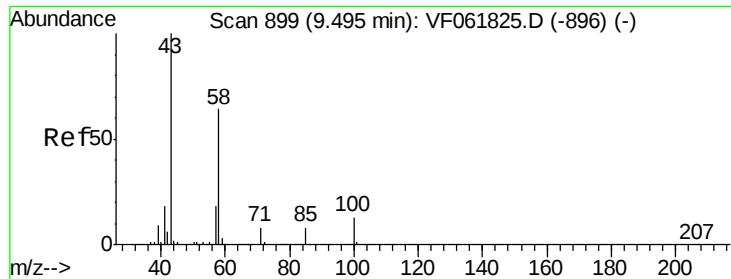
Tgt Ion: 63 Resp: 77553

Ion Ratio Lower Upper

63 100

106 28.7 24.3 36.5

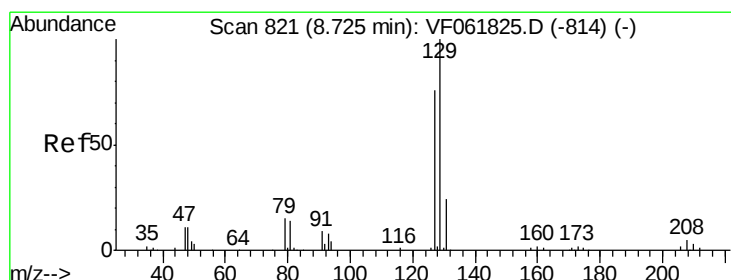
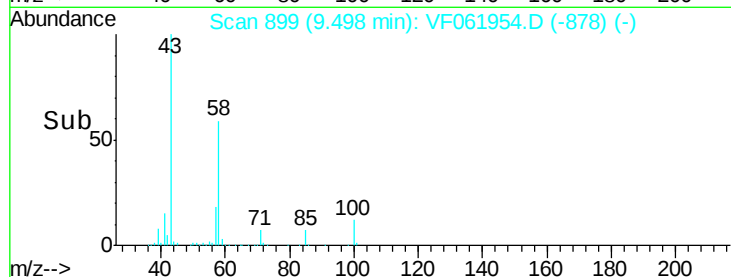
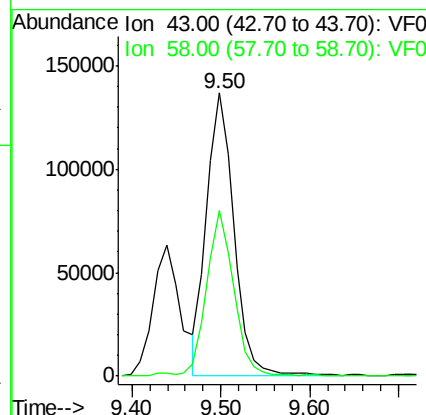
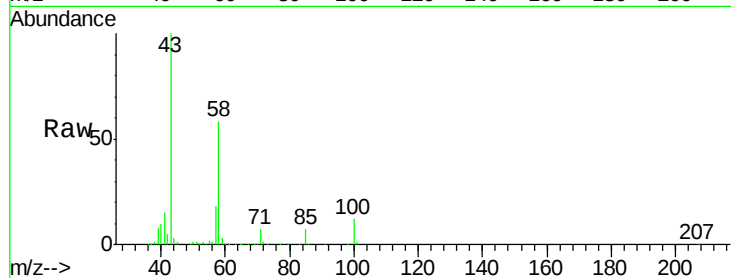




#59
2-Hexanone
Concen: 283.788 ug/l
RT: 9.50 min Scan# 899
Delta R.T. 0.00 min
Lab File: VF061954.D
Acq: 15 Mar 2019 11:03

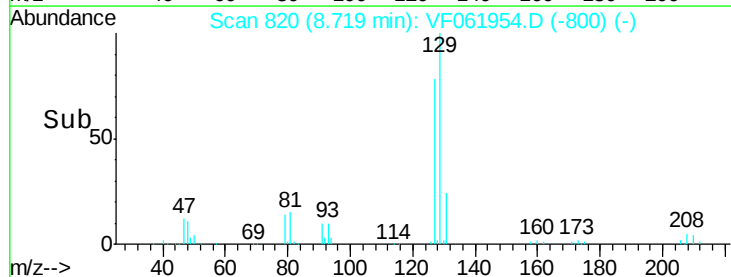
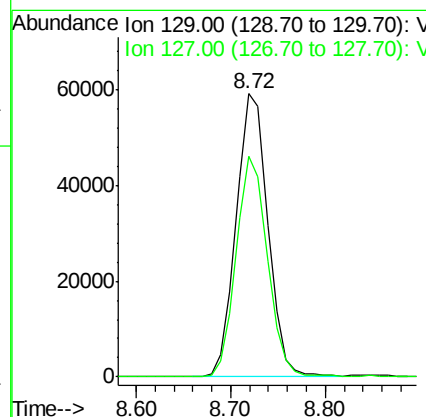
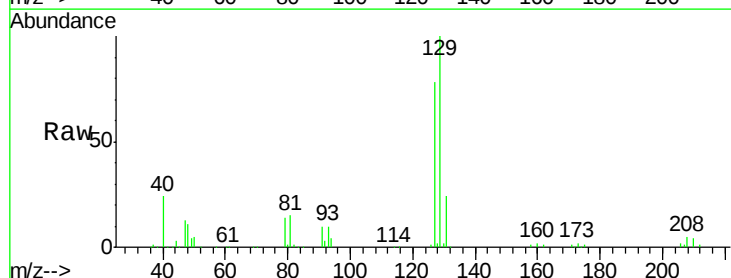
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

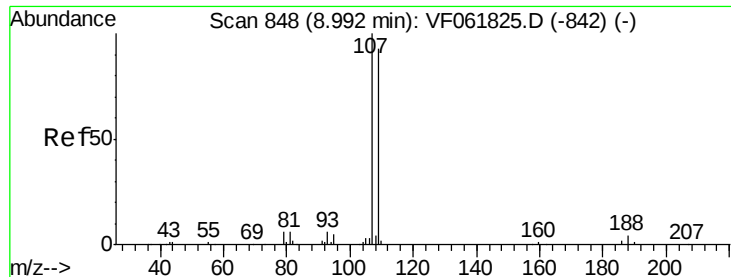
Tot Ion: 43 Resp: 289005
Ion Ratio Lower Upper
43 100
58 58.5 28.8 86.4



#60
Dibromochloromethane
Concen: 55.045 ug/l
RT: 8.72 min Scan# 820
Delta R.T. -0.01 min
Lab File: VF061954.D
Acq: 15 Mar 2019 11:03

Tgt Ion: 129 Resp: 137984
Ion Ratio Lower Upper
129 100
127 78.2 38.2 114.6





#61

1,2-Dibromoethane

Concen: 53.635 ug/l

RT: 9.00 min Scan# 848

Delta R.T. 0.00 min

Lab File: VF061954.D

Acq: 15 Mar 2019 11:03

Instrument :

MSVOA_F

ClientSampleId :

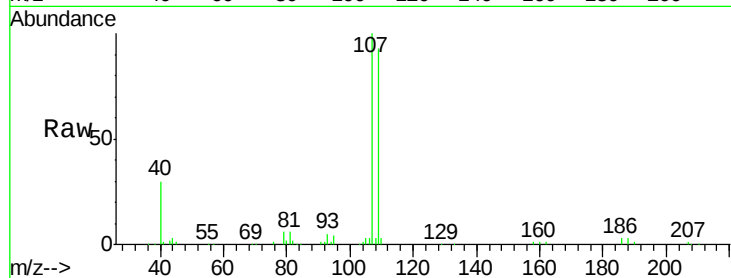
VSTDCCC050

Tot Ion:107 Resp: 103737

Ion Ratio Lower Upper

107 100

109 92.7 74.6 112.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

50000

40000

30000

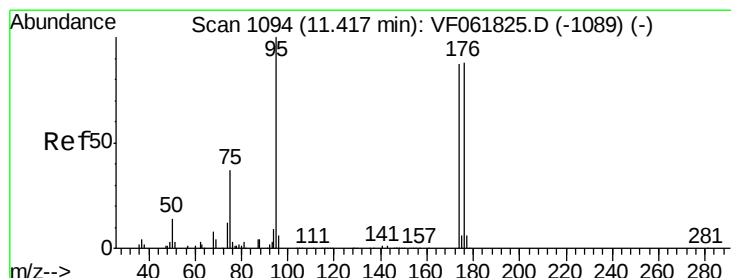
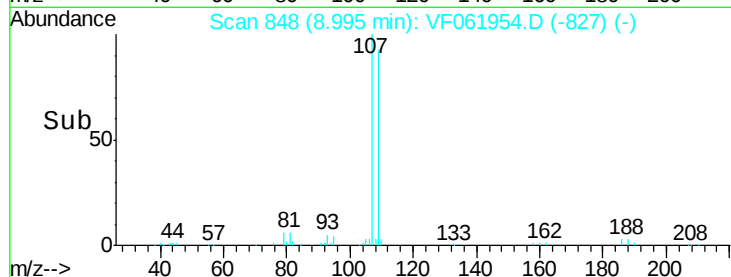
20000

10000

0

Time-->

8.90 9.00 9.10



#62

4-Bromofluorobenzene

Concen: 47.532 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. -0.01 min

Lab File: VF061954.D

Acq: 15 Mar 2019 11:03

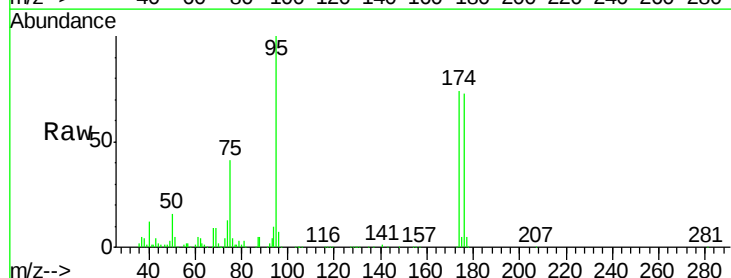
Tgt Ion: 95 Resp: 161406

Ion Ratio Lower Upper

95 100

174 74.0 0.0 174.0

176 73.0 0.0 175.2



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

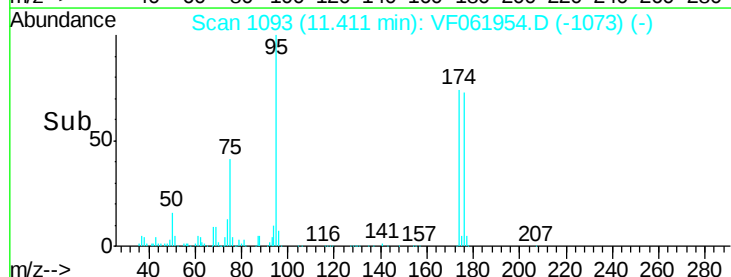
40000

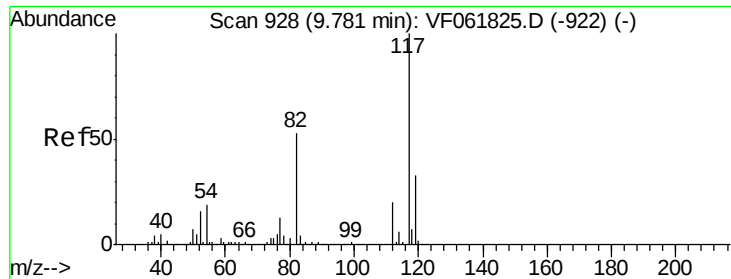
20000

0

Time-->

11.30 11.40 11.50 11.60

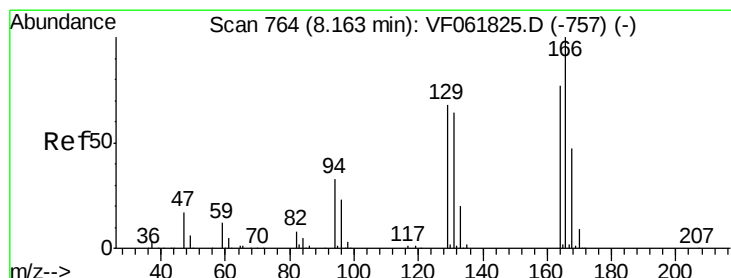
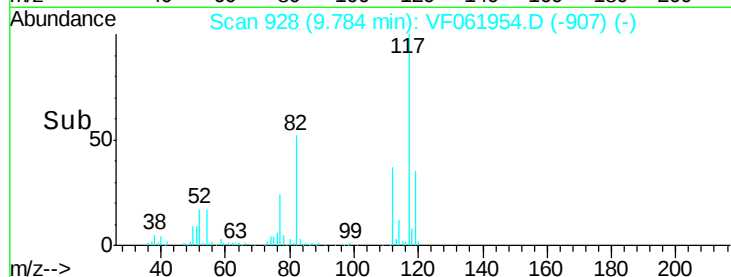
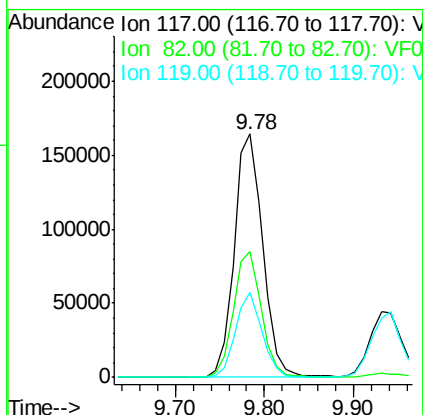
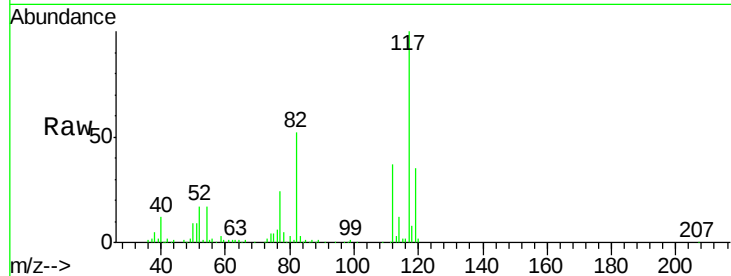




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.78 min Scan# 928
Delta R.T. 0.00 min
Lab File: VF061954.D
Acq: 15 Mar 2019 11:03

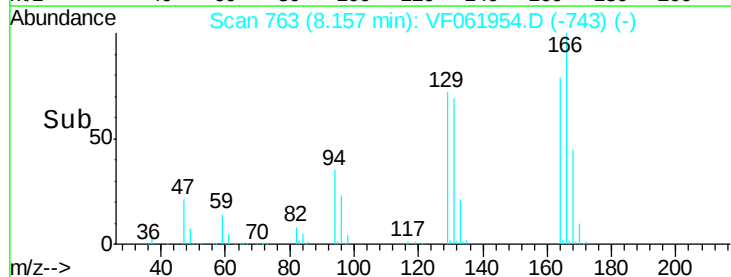
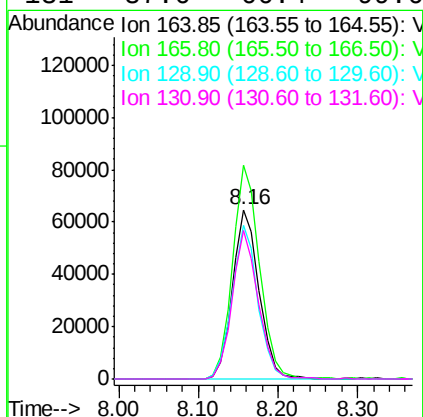
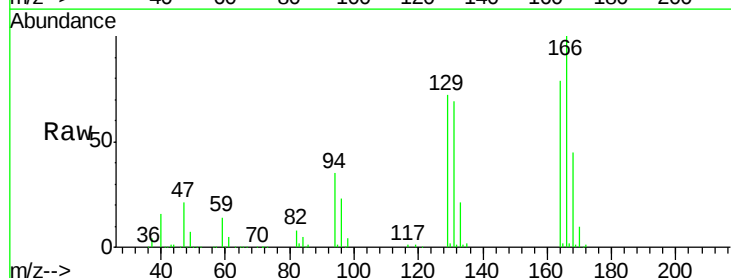
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

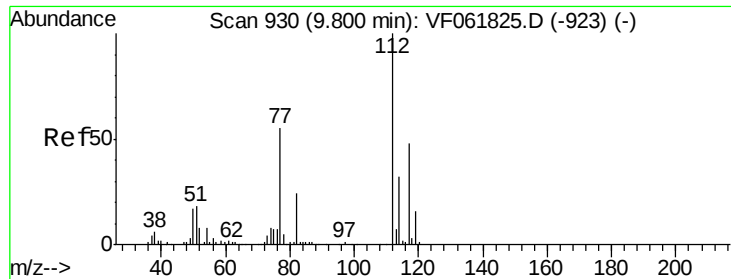
Tot Ion:117 Resp: 367124
Ion Ratio Lower Upper
117 100
82 51.9 42.6 63.8
119 35.0 26.0 39.0



#64
Tetrachloroethene
Concen: 53.054 ug/l
RT: 8.16 min Scan# 763
Delta R.T. -0.01 min
Lab File: VF061954.D
Acq: 15 Mar 2019 11:03

Tgt Ion:164 Resp: 149664
Ion Ratio Lower Upper
164 100
166 126.2 103.4 155.0
129 90.5 69.9 104.9
131 87.6 66.4 99.6

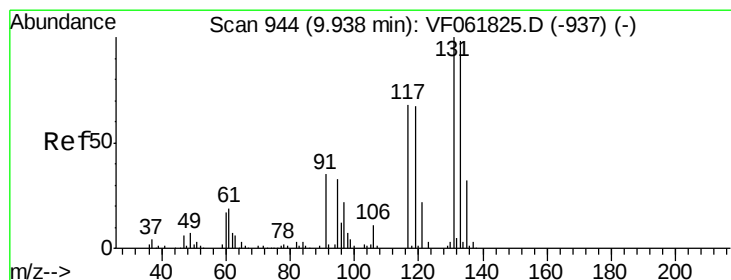
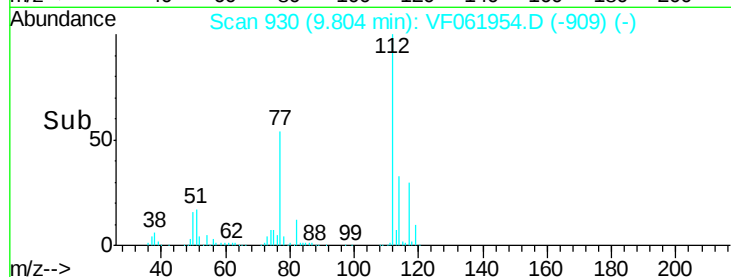
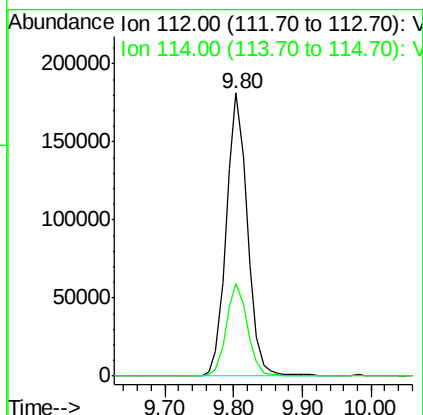
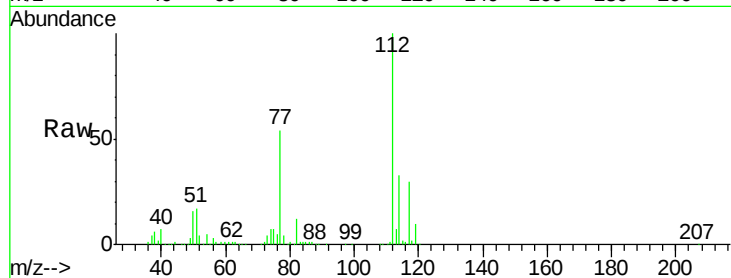




#65
Chlorobenzene
Concen: 54.526 ug/l
RT: 9.80 min Scan# 930
Delta R.T. 0.00 min
Lab File: VF061954.D
Acq: 15 Mar 2019 11:03

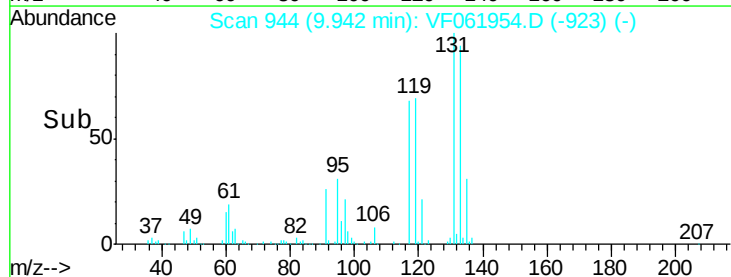
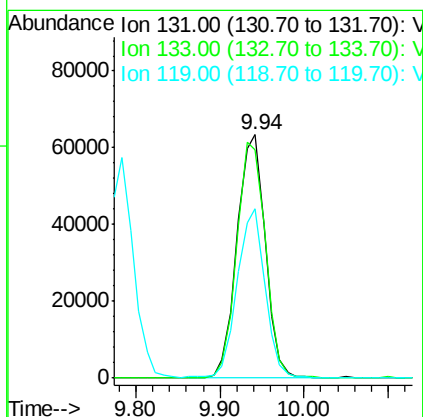
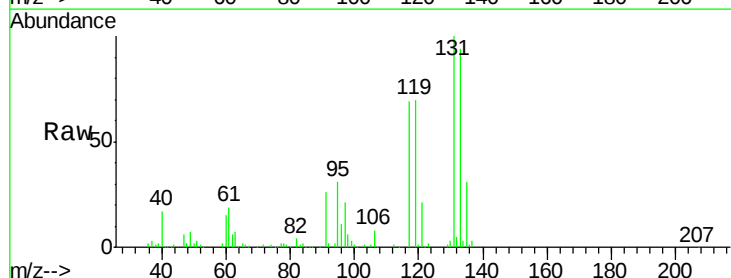
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

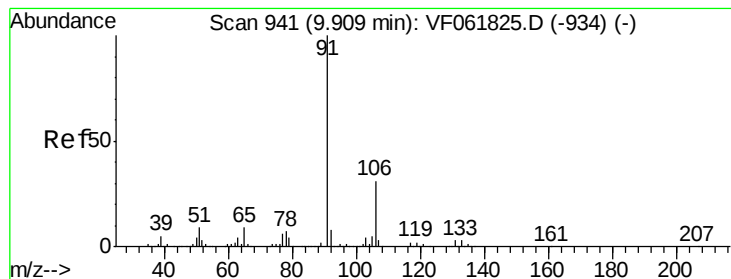
Tot Ion:112 Resp: 384584
Ion Ratio Lower Upper
112 100
114 32.6 25.5 38.3



#66
1,1,1,2-Tetrachloroethane
Concen: 54.559 ug/l
RT: 9.94 min Scan# 944
Delta R.T. 0.00 min
Lab File: VF061954.D
Acq: 15 Mar 2019 11:03

Tgt Ion:131 Resp: 149095
Ion Ratio Lower Upper
131 100
133 93.6 48.9 146.7
119 69.6 33.6 100.8





#67

Ethyl Benzene

Concen: 53.930 ug/l

RT: 9.90 min Scan# 940

Delta R.T. -0.01 min

Lab File: VF061954.D

Acq: 15 Mar 2019 11:03

Instrument :

MSVOA_F

ClientSampleId :

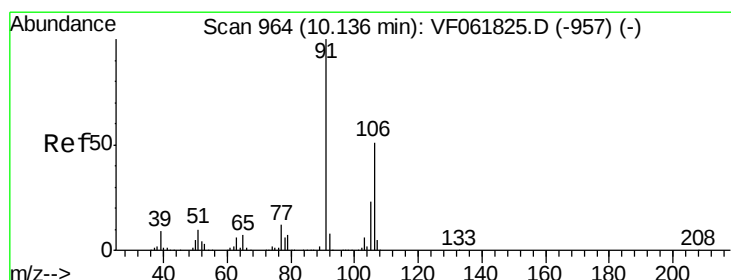
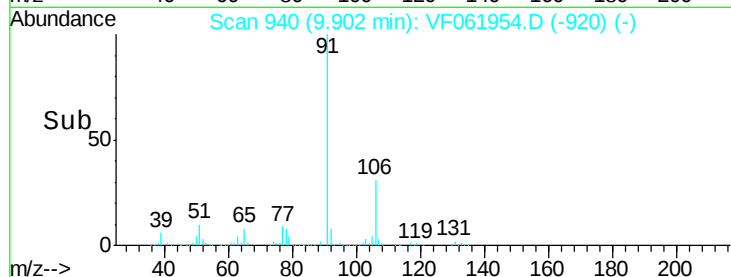
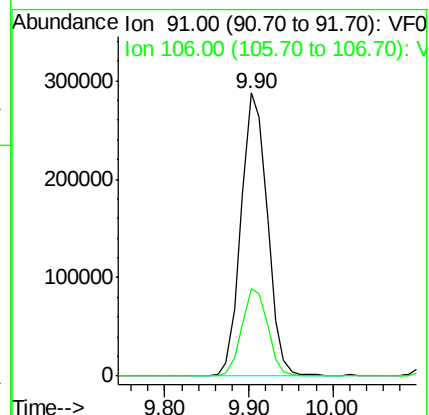
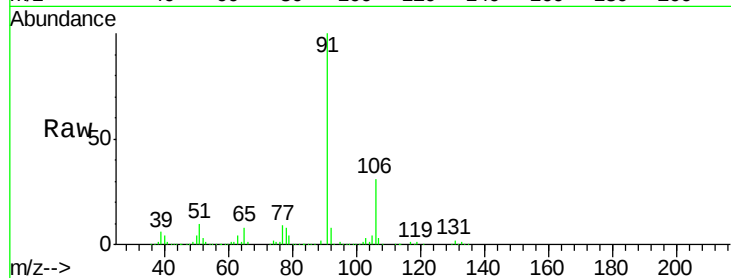
VSTDCCC050

Tot Ion: 91 Resp: 630470

Ion Ratio Lower Upper

91 100

106 31.1 25.0 37.4



#68

m/p-Xylenes

Concen: 104.067 ug/l

RT: 10.14 min Scan# 964

Delta R.T. 0.00 min

Lab File: VF061954.D

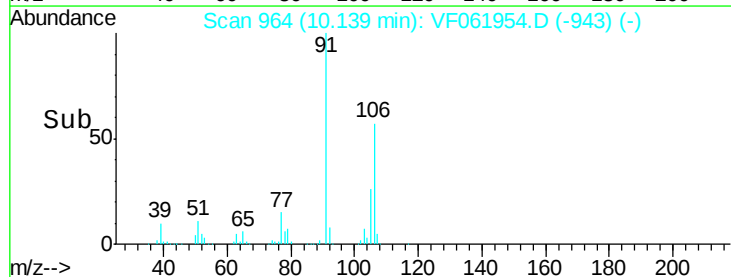
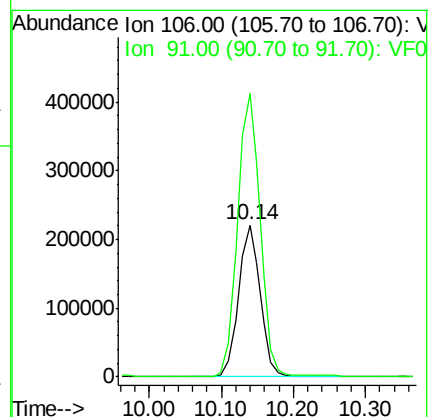
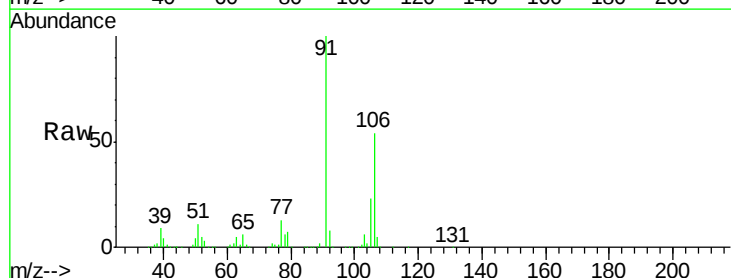
Acq: 15 Mar 2019 11:03

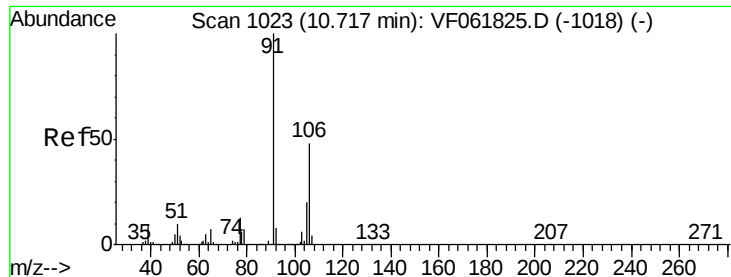
Tgt Ion: 106 Resp: 466061

Ion Ratio Lower Upper

106 100

91 186.2 157.5 236.3

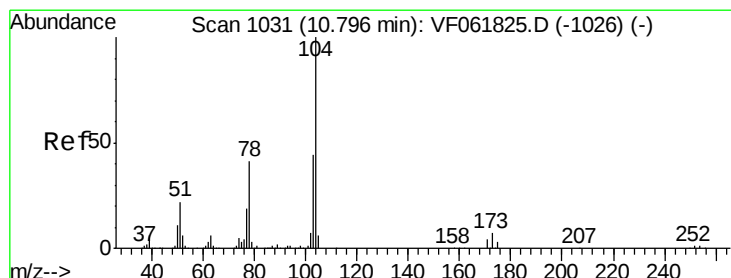
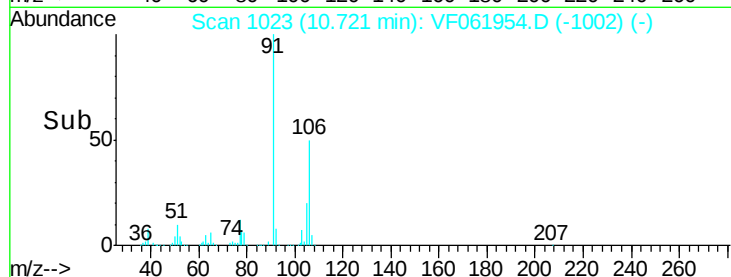
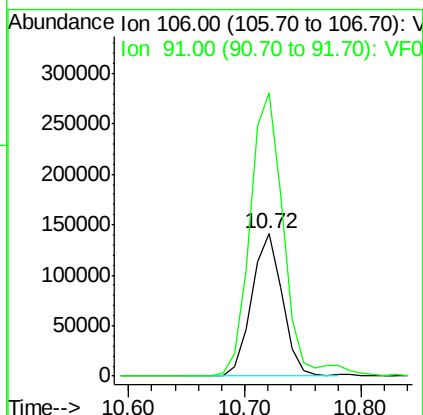
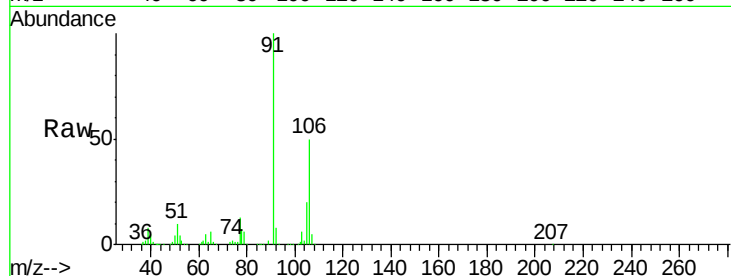




#69
o-Xylene
Concen: 53.532 ug/l
RT: 10.72 min Scan# 1023
Delta R.T. 0.00 min
Lab File: VF061954.D
Acq: 15 Mar 2019 11:03

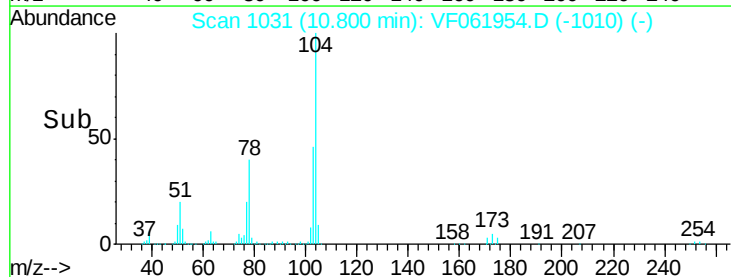
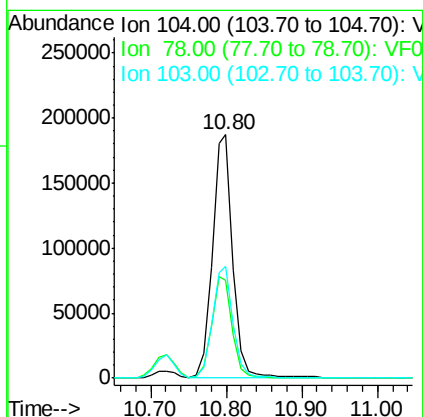
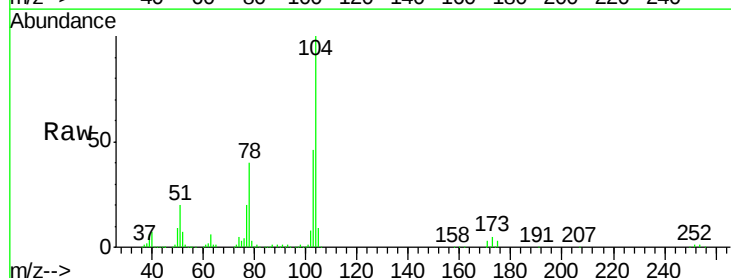
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

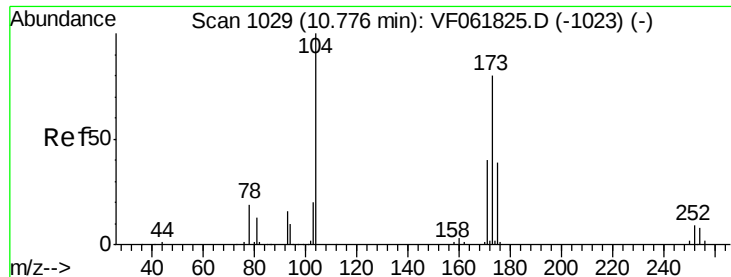
Tot Ion:106 Resp: 258156
Ion Ratio Lower Upper
106 100
91 198.8 103.5 310.3



#70
Styrene
Concen: 51.701 ug/l
RT: 10.80 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VF061954.D
Acq: 15 Mar 2019 11:03

Tgt Ion:104 Resp: 350887
Ion Ratio Lower Upper
104 100
78 39.9 33.3 49.9
103 45.8 35.4 53.0





#71

Bromoform

Concen: 52.061 ug/l

RT: 10.78 min Scan# 1029

Delta R.T. 0.00 min

Lab File: VF061954.D

Acq: 15 Mar 2019 11:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

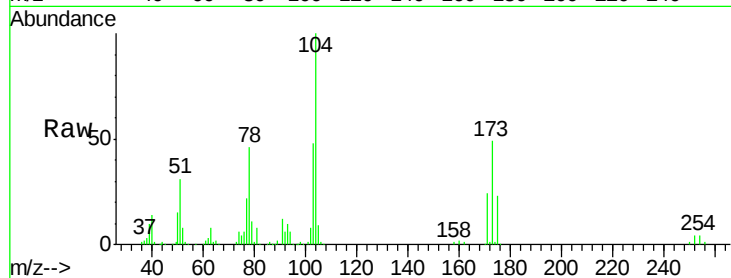
Tot Ion:173 Resp: 75192

Ion Ratio Lower Upper

173 100

175 45.6 24.5 73.5

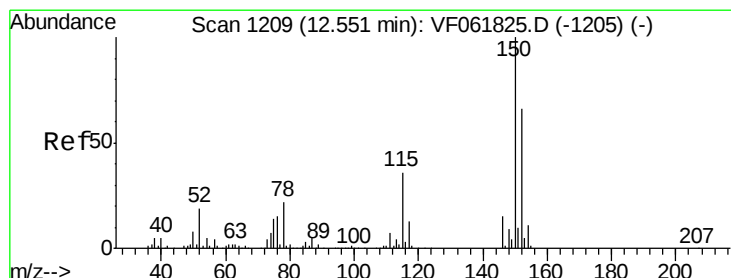
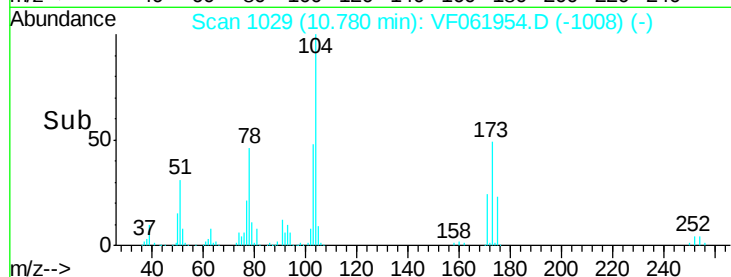
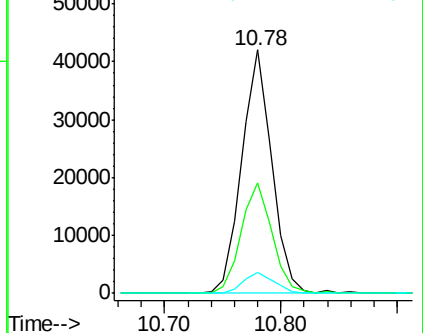
254 8.8 8.0 12.0



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.55 min Scan# 1209

Delta R.T. 0.00 min

Lab File: VF061954.D

Acq: 15 Mar 2019 11:03

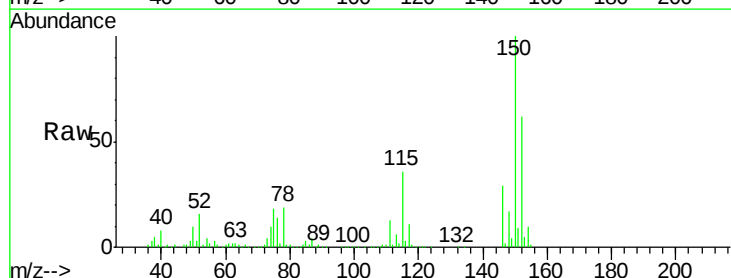
Tgt Ion:152 Resp: 186477

Ion Ratio Lower Upper

152 100

115 57.5 27.7 83.1

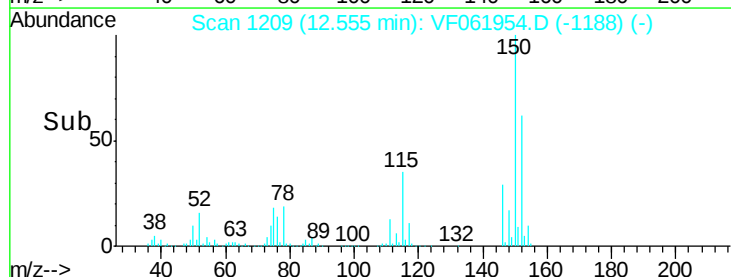
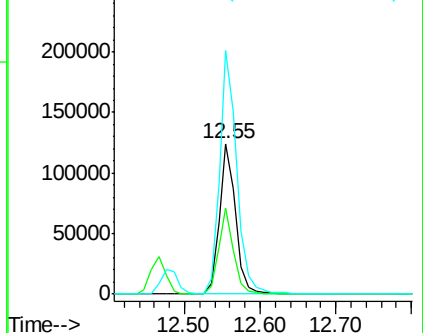
150 161.8 0.0 304.2

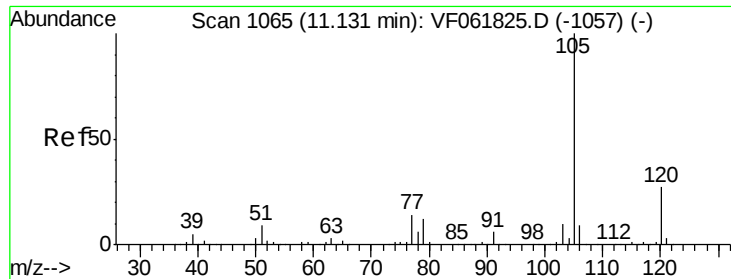


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 58.467 ug/l

RT: 11.13 min Scan# 1064

Delta R.T. -0.01 min

Lab File: VF061954.D

Acq: 15 Mar 2019 11:03

Instrument :

MSVOA_F

ClientSampleId :

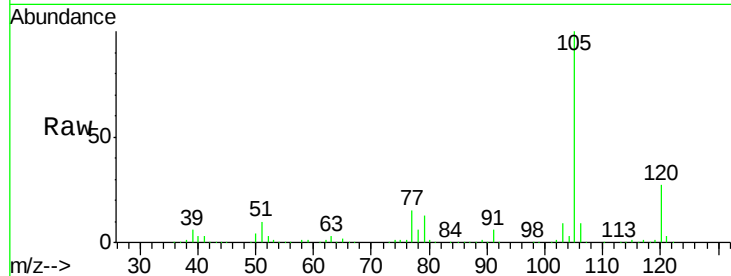
VSTDCCC050

Tot Ion:105 Resp: 750597

Ion Ratio Lower Upper

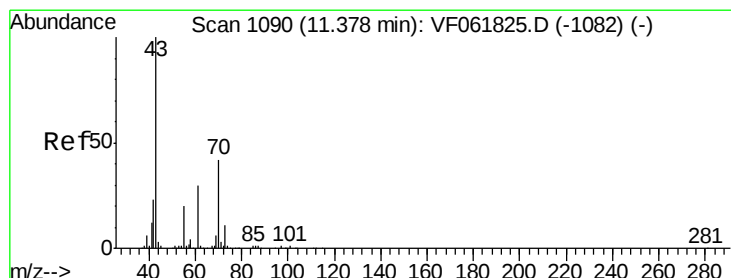
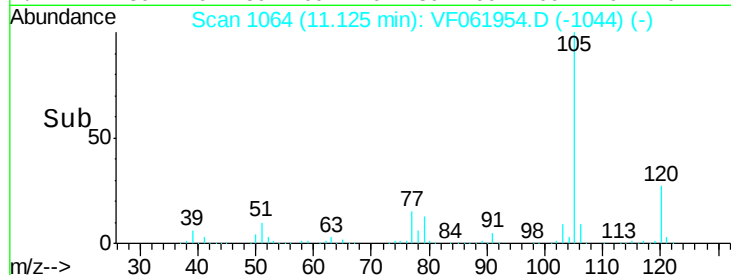
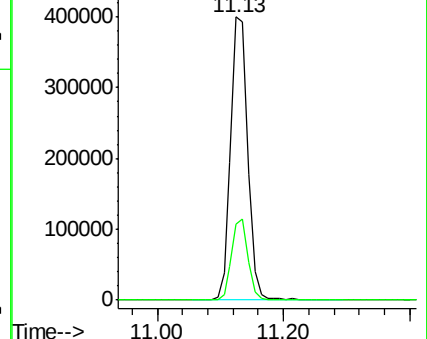
105 100

120 27.0 13.7 41.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 56.902 ug/l

RT: 11.37 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VF061954.D

Acq: 15 Mar 2019 11:03

Tgt Ion: 43 Resp: 168174

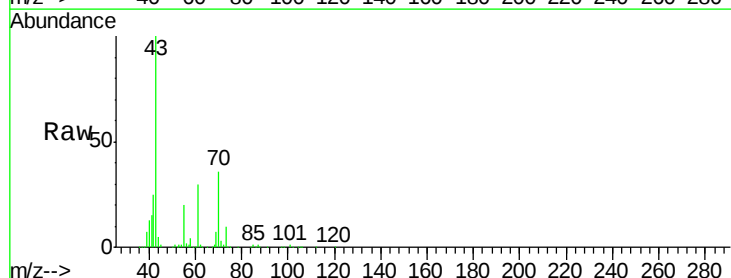
Ion Ratio Lower Upper

43 100

70 36.2 33.4 50.0

55 20.1 16.3 24.5

61 29.6 24.0 36.0

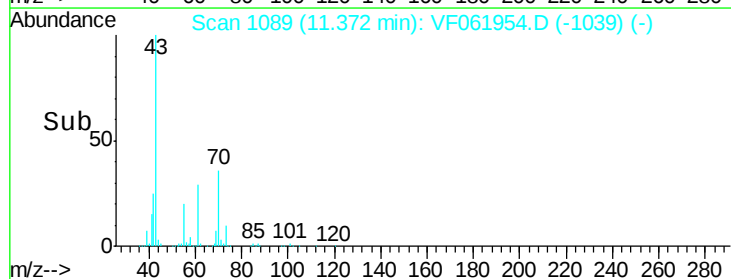
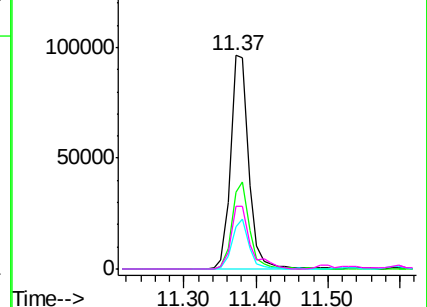


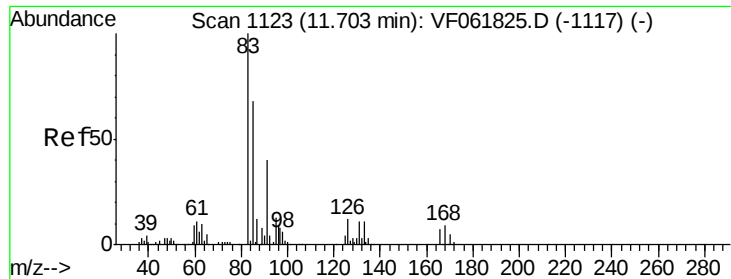
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 57.377 ug/l

RT: 11.70 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VF061954.D

Acq: 15 Mar 2019 11:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

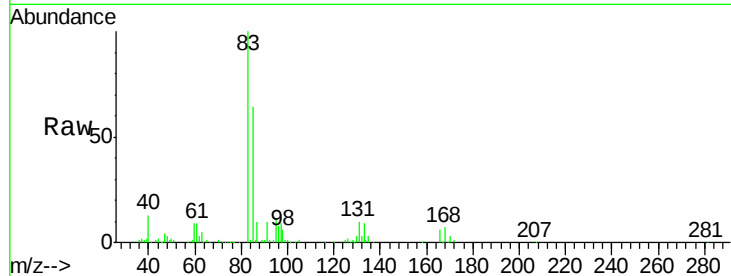
Tot Ion: 83 Resp: 122426

Ion Ratio Lower Upper

83 100

131 10.2 5.5 16.7

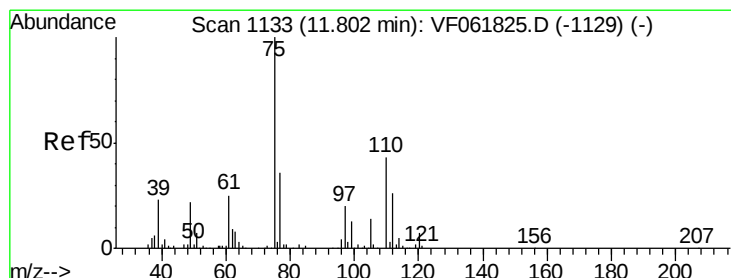
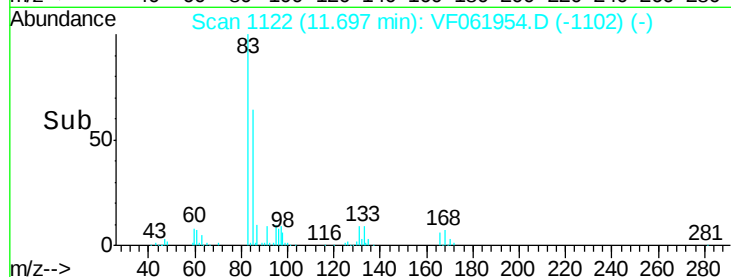
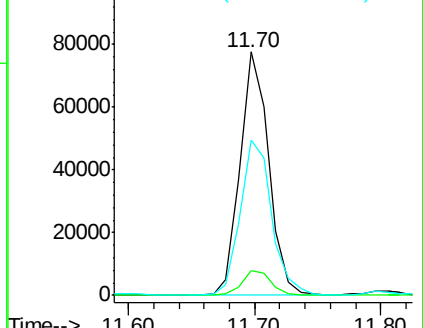
85 63.8 34.2 102.6



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): VF0

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 54.545 ug/l

RT: 11.80 min Scan# 1132

Delta R.T. -0.01 min

Lab File: VF061954.D

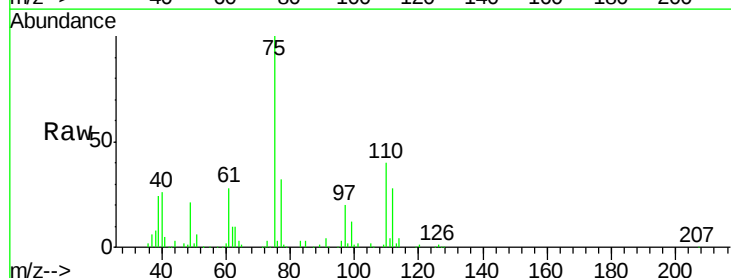
Acq: 15 Mar 2019 11:03

Tgt Ion: 75 Resp: 79432

Ion Ratio Lower Upper

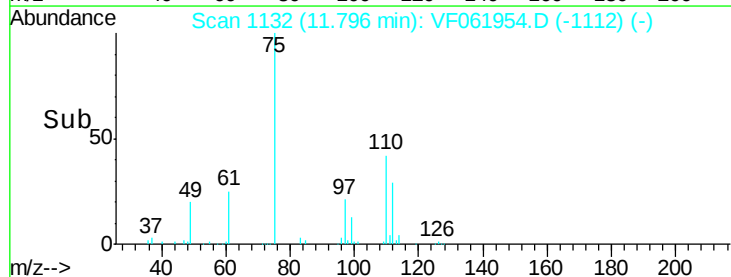
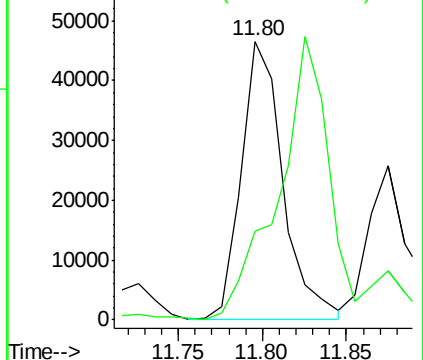
75 100

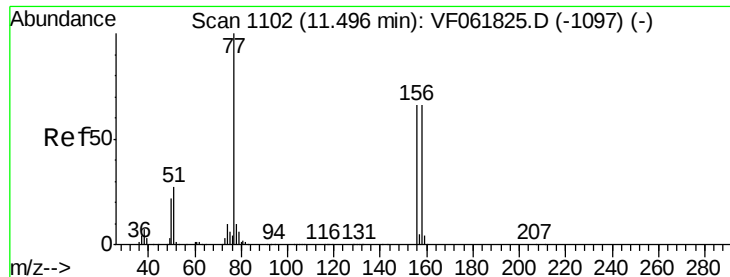
77 31.9 18.1 54.4



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 55.677 ug/l

RT: 11.50 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VF061954.D

Acq: 15 Mar 2019 11:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

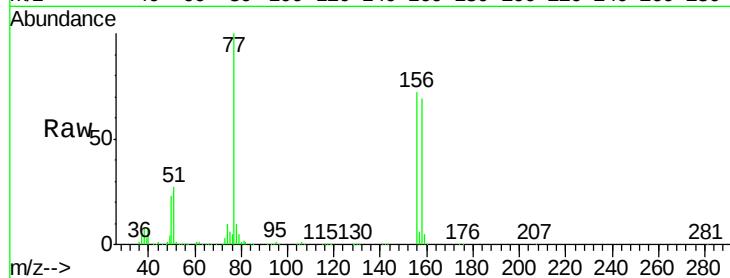
Tot Ion:156 Resp: 172024

Ion Ratio Lower Upper

156 100

77 138.6 75.7 227.1

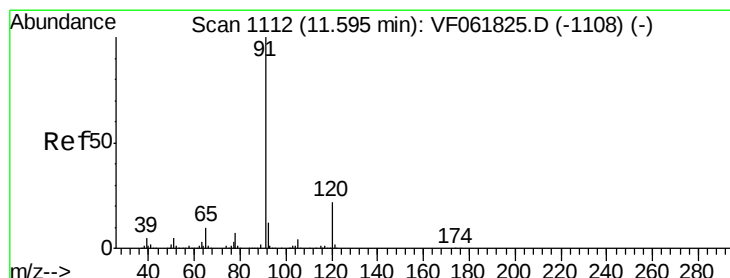
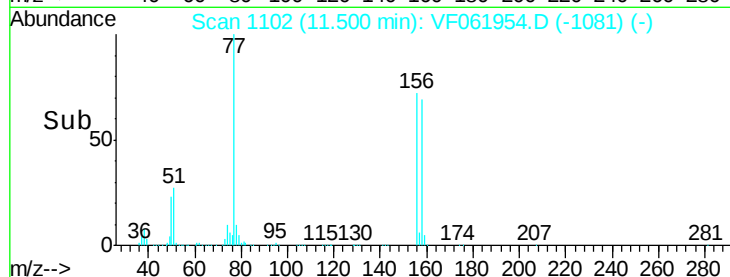
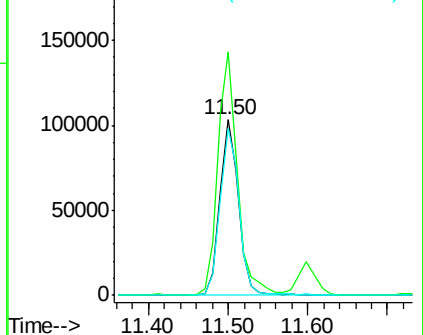
158 95.1 50.0 150.1



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: 55.885 ug/l

RT: 11.60 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VF061954.D

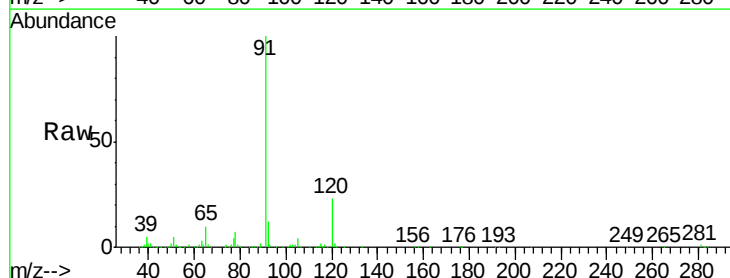
Acq: 15 Mar 2019 11:03

Tgt Ion: 91 Resp: 810203

Ion Ratio Lower Upper

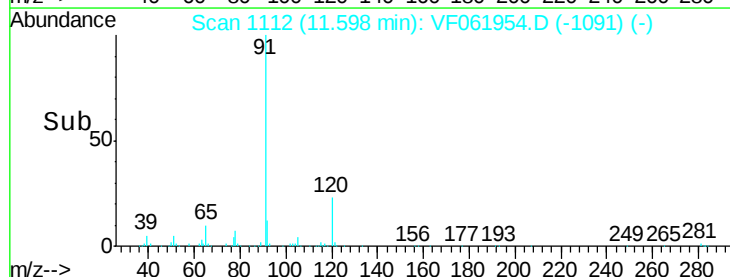
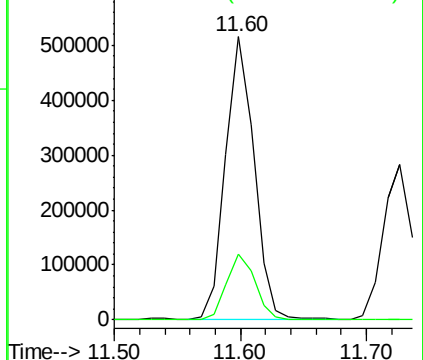
91 100

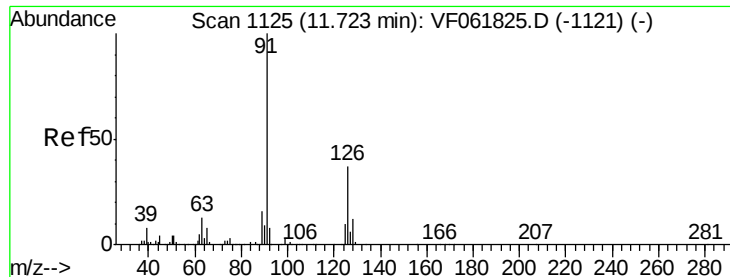
120 23.2 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

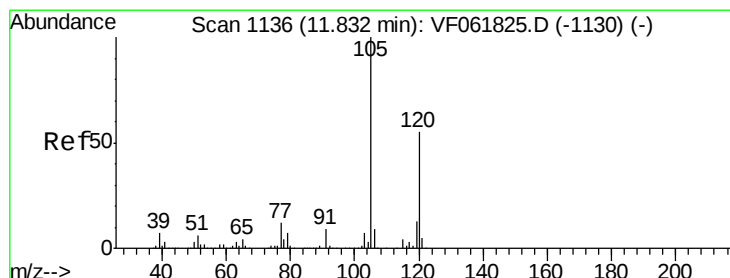
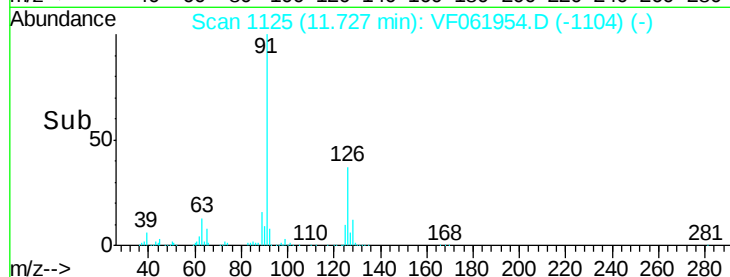
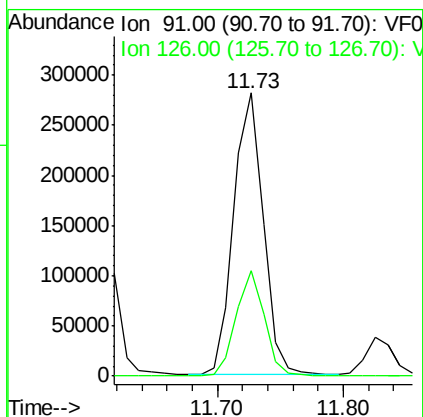
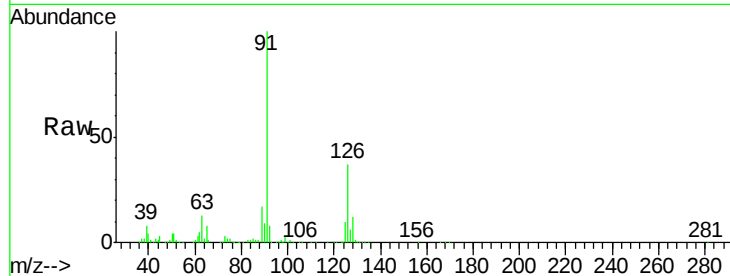




#79
 2-Chlorotoluene
 Concen: 54.595 ug/l
 RT: 11.73 min Scan# 1125
 Delta R.T. 0.00 min
 Lab File: VF061954.D
 Acq: 15 Mar 2019 11:03

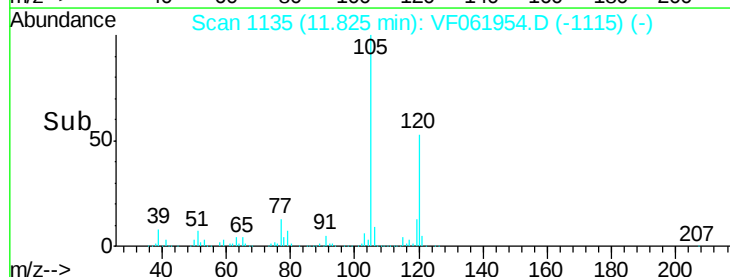
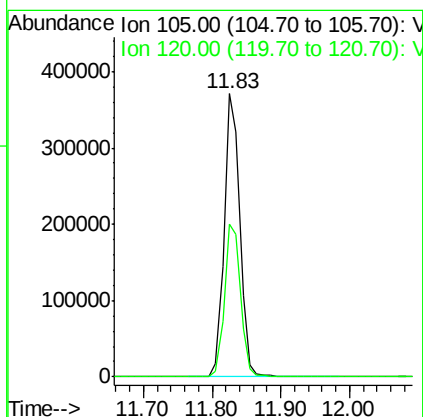
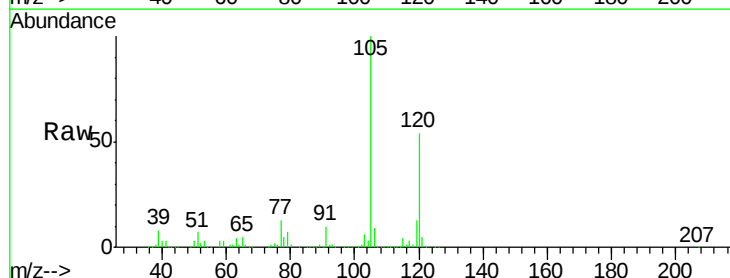
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

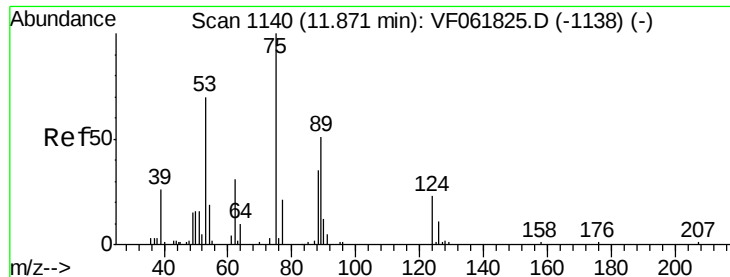
Tot Ion: 91 Resp: 452518
 Ion Ratio Lower Upper
 91 100
 126 37.3 18.1 54.4



#80
 1,3,5-Trimethylbenzene
 Concen: 57.026 ug/l
 RT: 11.83 min Scan# 1135
 Delta R.T. -0.01 min
 Lab File: VF061954.D
 Acq: 15 Mar 2019 11:03

Tgt Ion: 105 Resp: 587784
 Ion Ratio Lower Upper
 105 100
 120 54.0 27.4 82.2





#81

trans-1,4-Dichloro-2-butene

Concen: 77.174 ug/l

RT: 11.87 min Scan# 1140

Delta R.T. 0.00 min

Lab File: VF061954.D

Acq: 15 Mar 2019 11:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

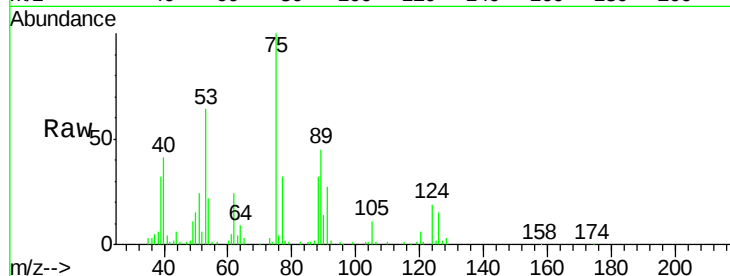
Tot Ion: 75 Resp: 51390

Ion Ratio Lower Upper

75 100

53 64.5 58.6 88.0

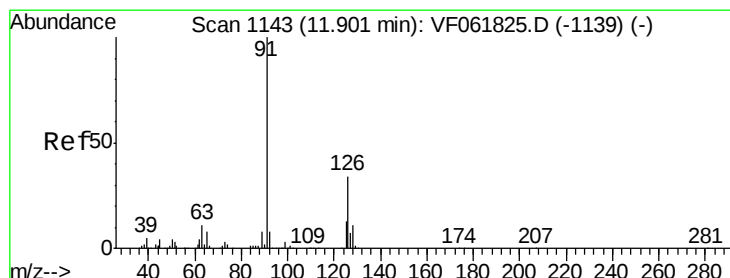
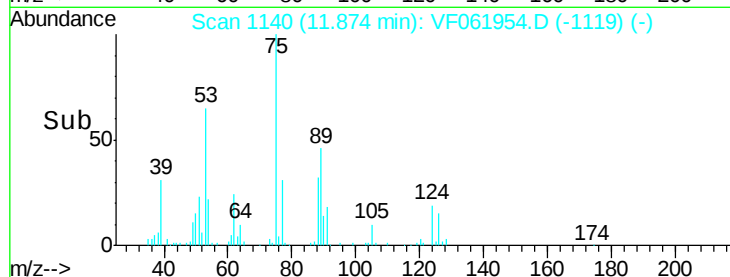
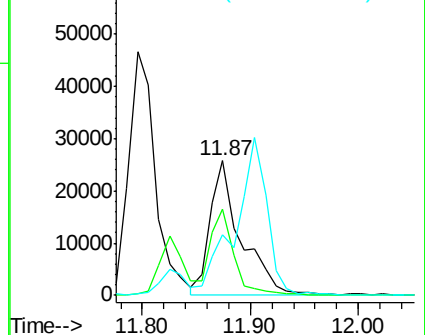
89 45.4 41.4 62.0



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0



#82

4-Chlorotoluene

Concen: 54.365 ug/l

RT: 11.90 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VF061954.D

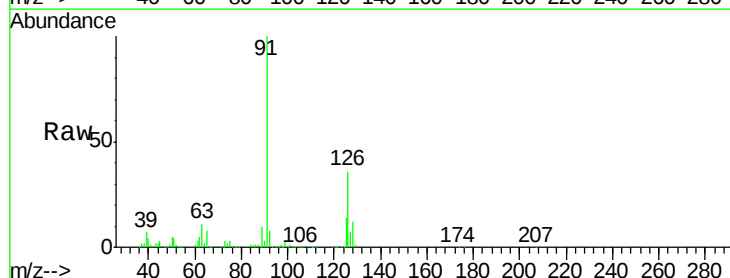
Acq: 15 Mar 2019 11:03

Tgt Ion: 91 Resp: 460906

Ion Ratio Lower Upper

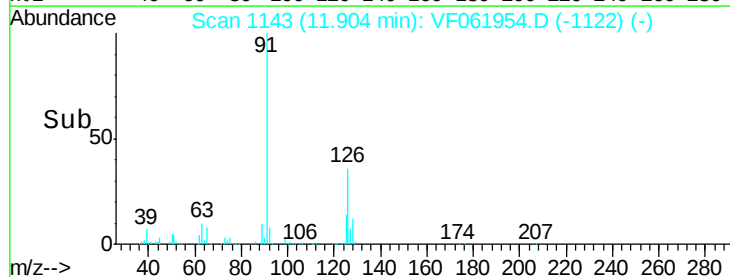
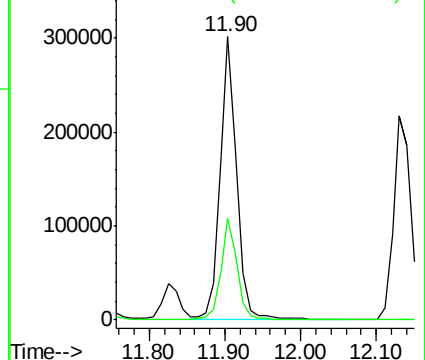
91 100

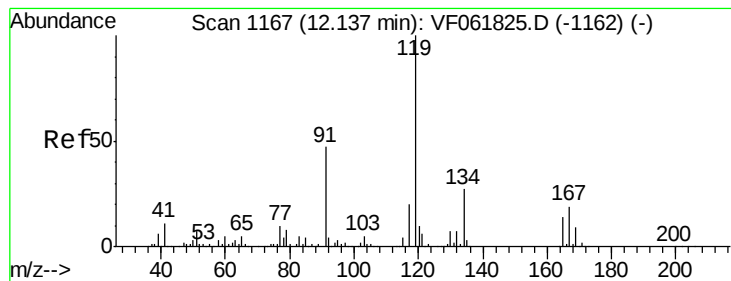
126 35.9 17.0 50.9



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V





#83

tert-Butylbenzene

Concen: 58.868 ug/l

RT: 12.13 min Scan# 1166

Delta R.T. -0.01 min

Lab File: VF061954.D

Acq: 15 Mar 2019 11:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

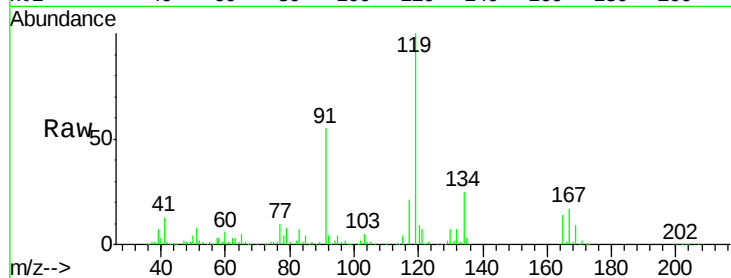
Tot Ion:119 Resp: 644293

Ion Ratio Lower Upper

119 100

91 55.0 23.5 70.5

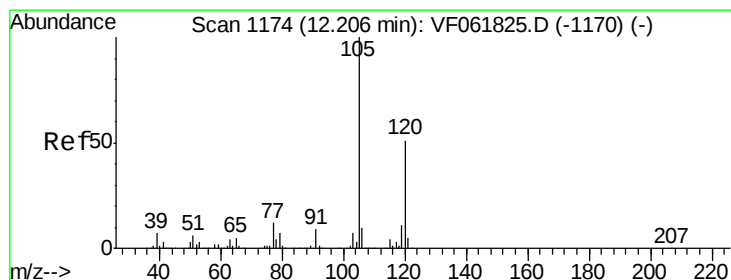
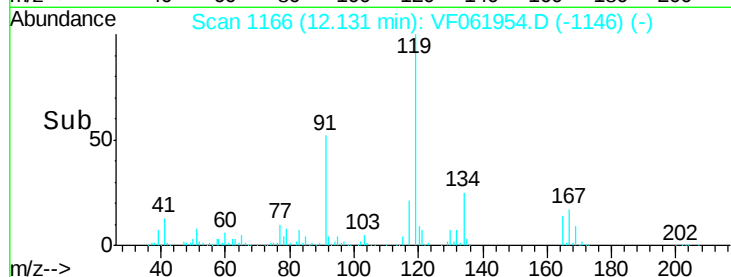
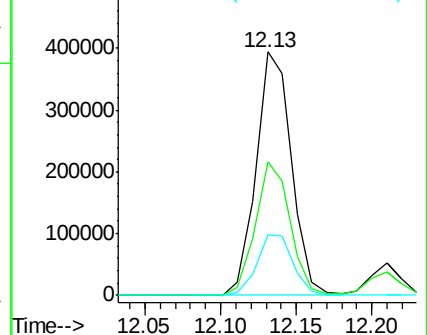
134 25.1 13.3 39.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VF0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 56.362 ug/l

RT: 12.21 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VF061954.D

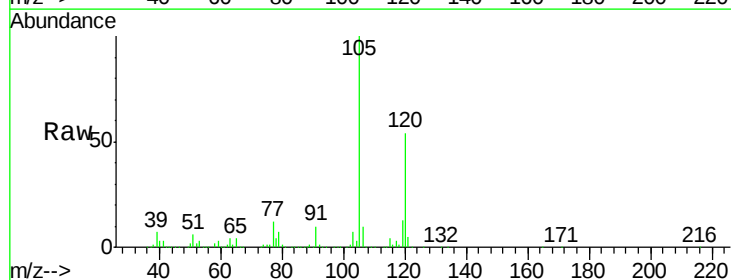
Acq: 15 Mar 2019 11:03

Tgt Ion:105 Resp: 569502

Ion Ratio Lower Upper

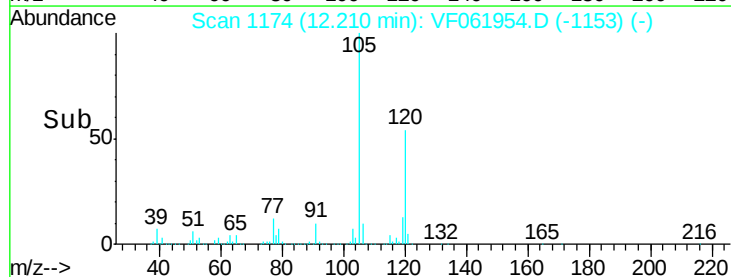
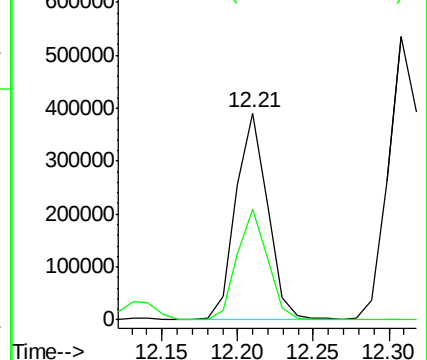
105 100

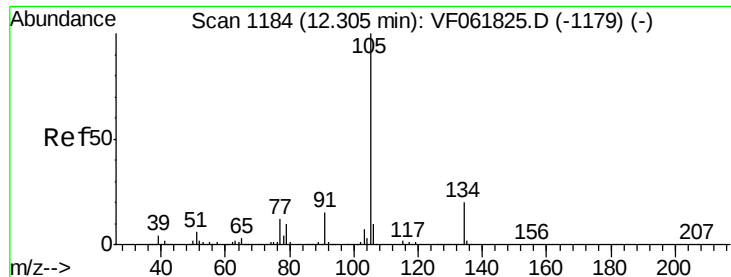
120 53.6 25.8 77.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 56.908 ug/l

RT: 12.31 min Scan# 1184

Delta R.T. 0.00 min

Lab File: VF061954.D

Acq: 15 Mar 2019 11:03

Instrument :

MSVOA_F

ClientSampleId :

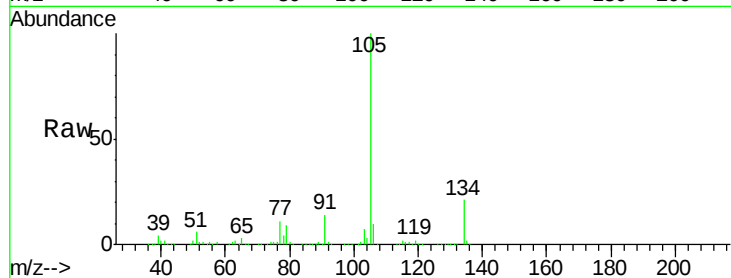
VSTDCCC050

Tot Ion:105 Resp: 810515

Ion Ratio Lower Upper

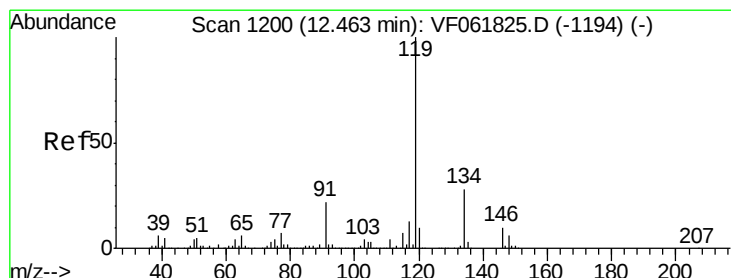
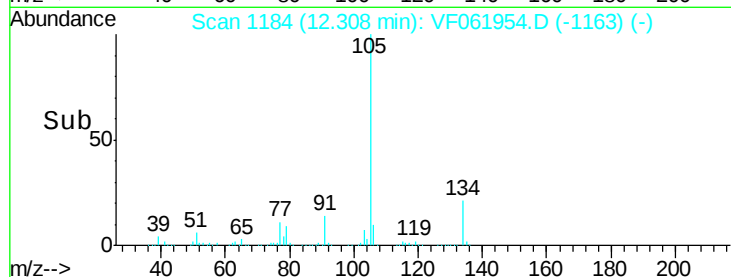
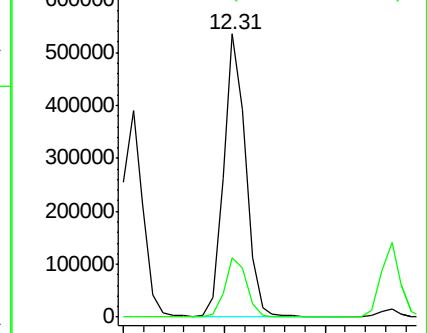
105 100

134 20.8 9.8 29.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 58.141 ug/l

RT: 12.47 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VF061954.D

Acq: 15 Mar 2019 11:03

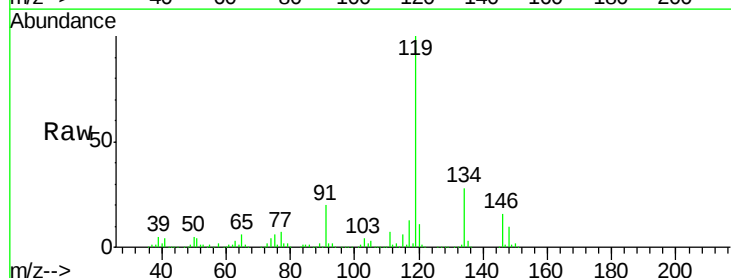
Tgt Ion:119 Resp: 703889

Ion Ratio Lower Upper

119 100

134 28.0 14.0 42.0

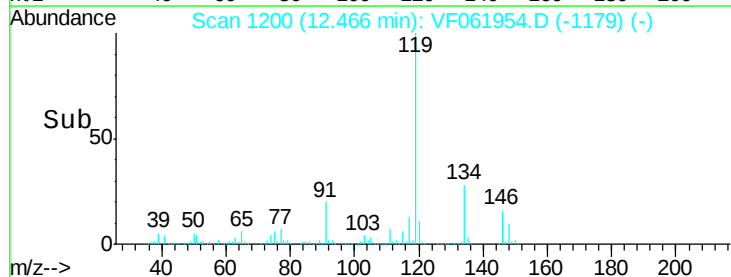
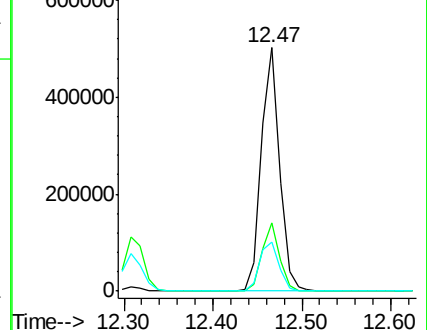
91 20.1 11.1 33.3

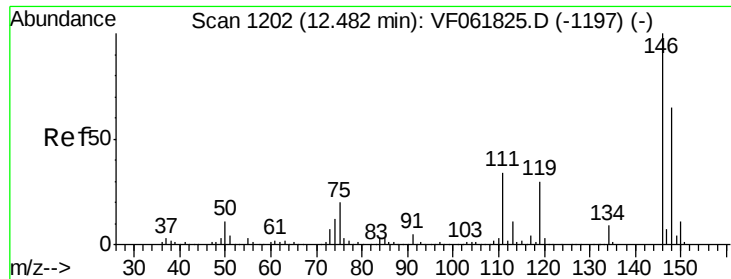


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0

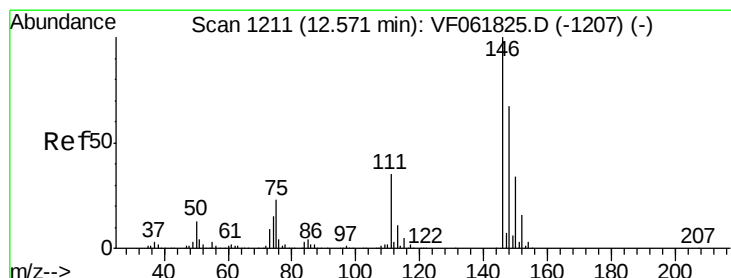
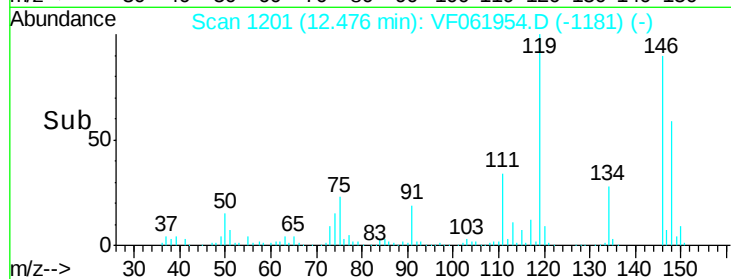
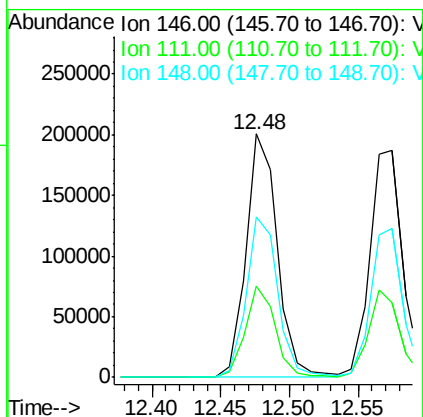
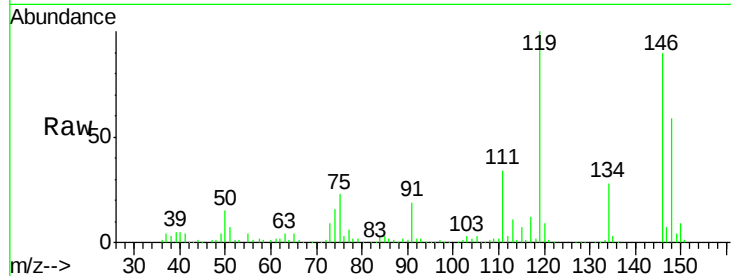




#87
 1,3-Dichlorobenzene
 Concen: 54.450 ug/l
 RT: 12.48 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: VF061954.D
 Acq: 15 Mar 2019 11:03

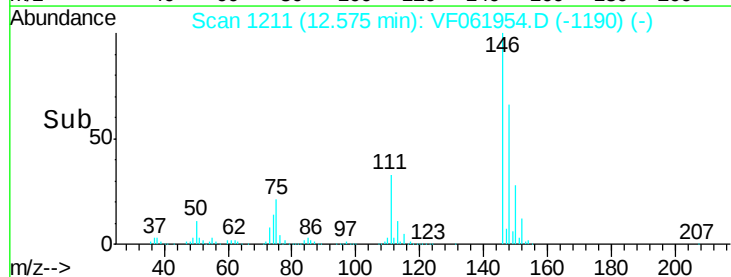
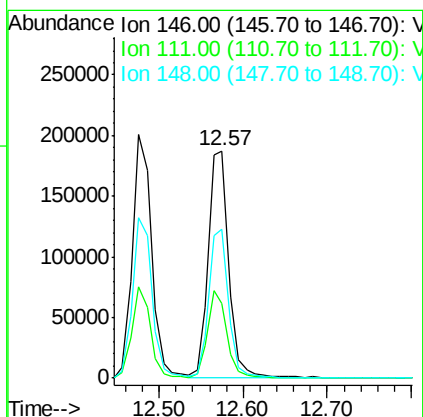
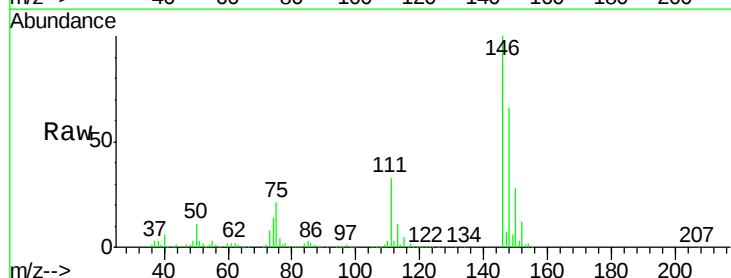
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

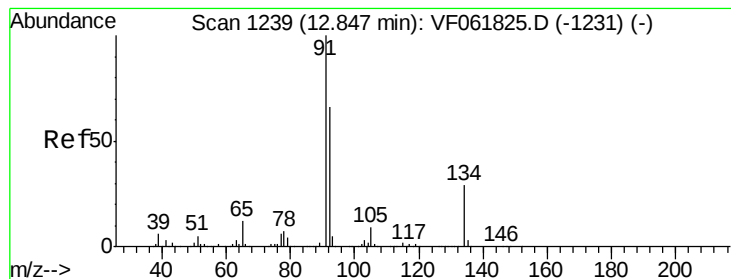
Tot Ion:146 Resp: 319440
 Ion Ratio Lower Upper
 146 100
 111 37.4 17.0 51.0
 148 65.7 32.5 97.5



#88
 1,4-Dichlorobenzene
 Concen: 55.844 ug/l
 RT: 12.57 min Scan# 1211
 Delta R.T. 0.00 min
 Lab File: VF061954.D
 Acq: 15 Mar 2019 11:03

Tgt Ion:146 Resp: 316033
 Ion Ratio Lower Upper
 146 100
 111 33.0 17.6 52.9
 148 65.7 33.5 100.4





#89

n-Butylbenzene

Concen: 57.128 ug/l

RT: 12.85 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VF061954.D

Acq: 15 Mar 2019 11:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

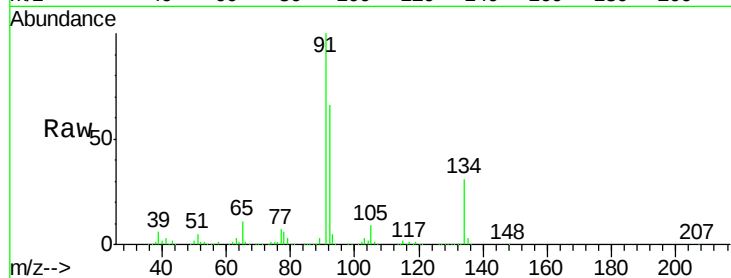
Tot Ion: 91 Resp: 660974

Ion Ratio Lower Upper

91 100

92 65.8 32.9 98.6

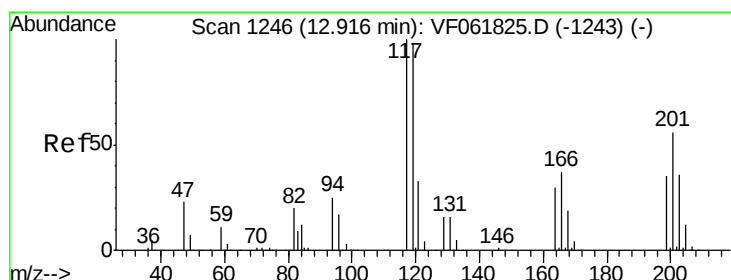
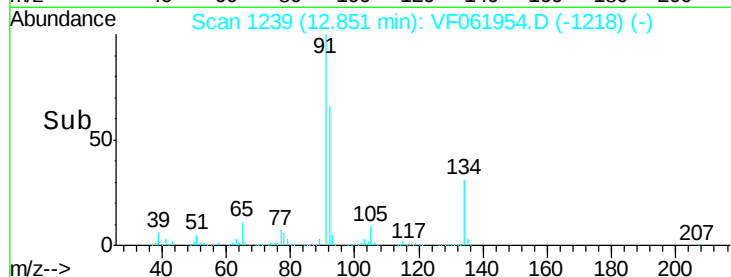
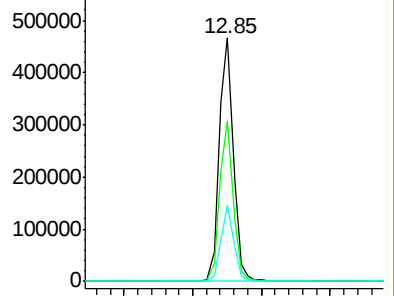
134 31.1 14.5 43.6



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 59.213 ug/l

RT: 12.92 min Scan# 1246

Delta R.T. 0.00 min

Lab File: VF061954.D

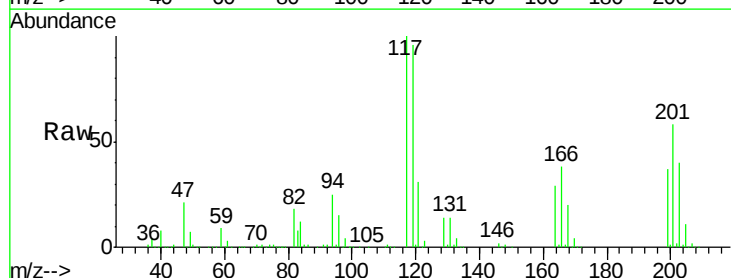
Acq: 15 Mar 2019 11:03

Tgt Ion: 117 Resp: 172551

Ion Ratio Lower Upper

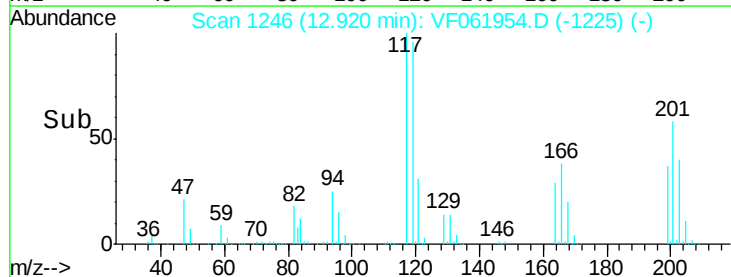
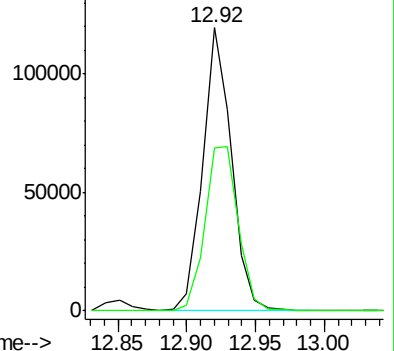
117 100

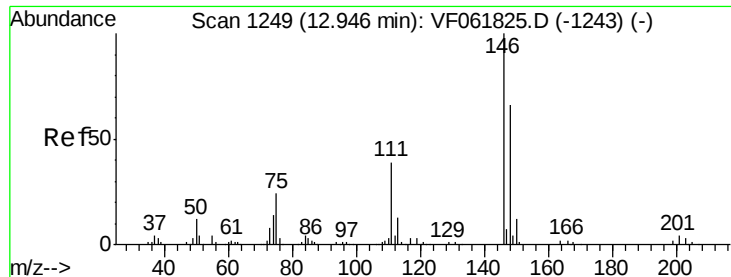
201 57.8 27.8 83.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V





#91

1,2-Dichlorobenzene

Concen: 56.172 ug/l

RT: 12.95 min Scan# 1249

Delta R.T. 0.00 min

Lab File: VF061954.D

Acq: 15 Mar 2019 11:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

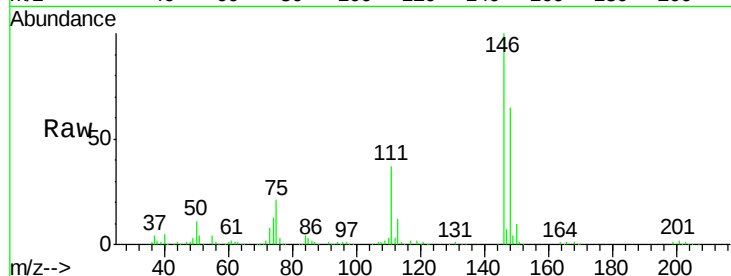
Tot Ion:146 Resp: 312223

Ion Ratio Lower Upper

146 100

111 36.6 19.4 58.4

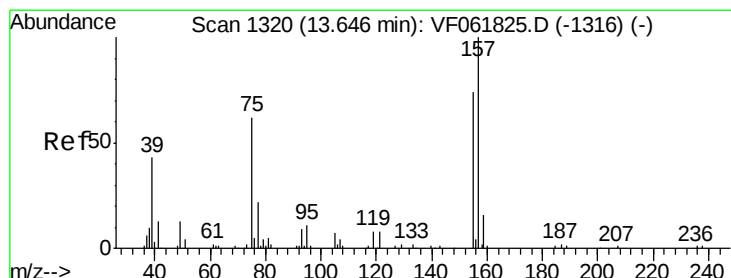
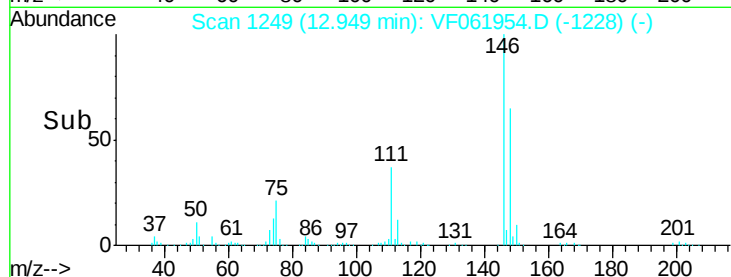
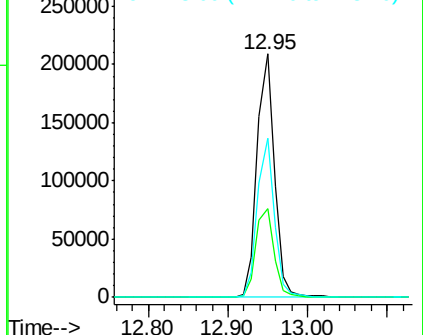
148 65.1 33.0 98.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 52.773 ug/l

RT: 13.65 min Scan# 1320

Delta R.T. 0.00 min

Lab File: VF061954.D

Acq: 15 Mar 2019 11:03

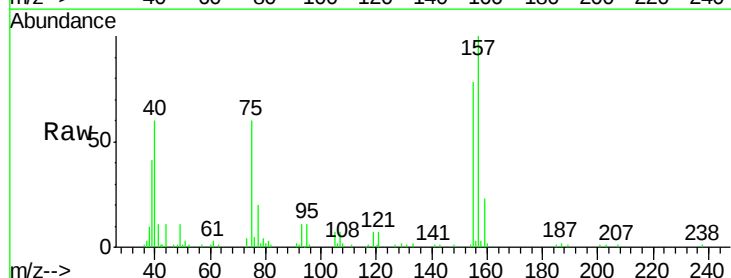
Tgt Ion: 75 Resp: 19637

Ion Ratio Lower Upper

75 100

155 129.3 59.8 179.4

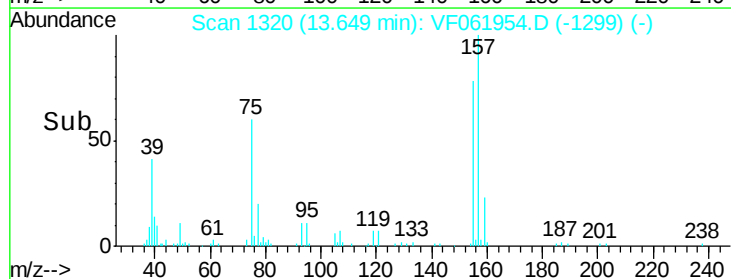
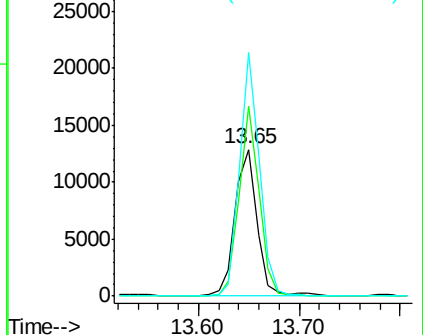
157 166.0 81.2 243.4

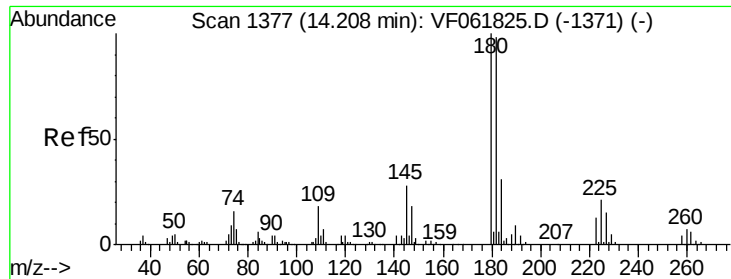


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

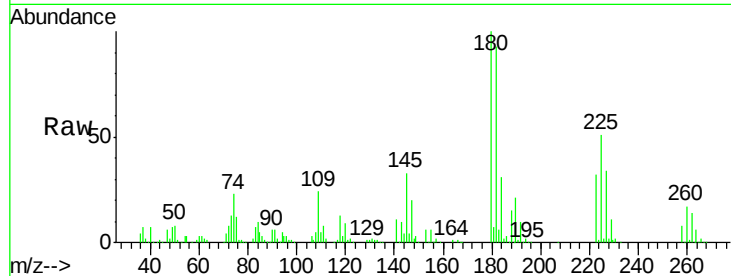




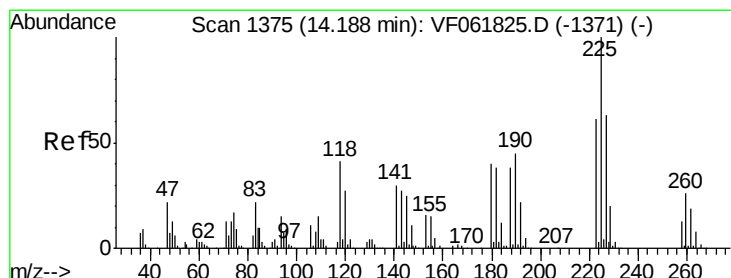
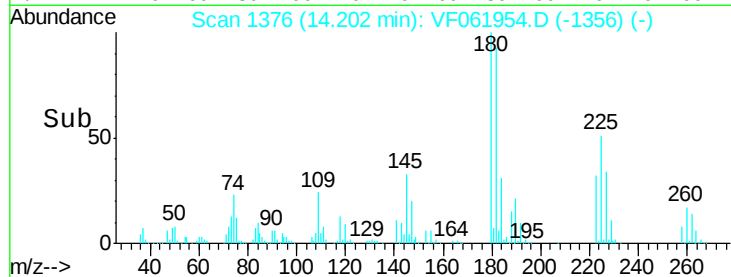
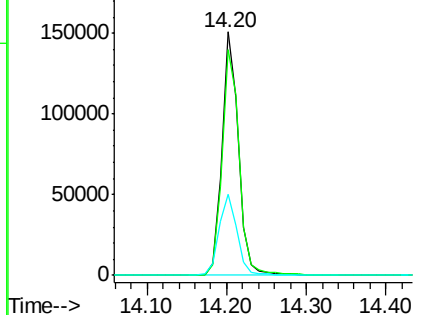
#93
 1,2,4-Trichlorobenzene
 Concen: 56.972 ug/l
 RT: 14.20 min Scan# 1376
 Delta R.T. -0.01 min
 Lab File: VF061954.D
 Acq: 15 Mar 2019 11:03

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion:180 Resp: 222006
 Ion Ratio Lower Upper
 180 100
 182 92.9 49.0 147.2
 145 33.5 14.1 42.4

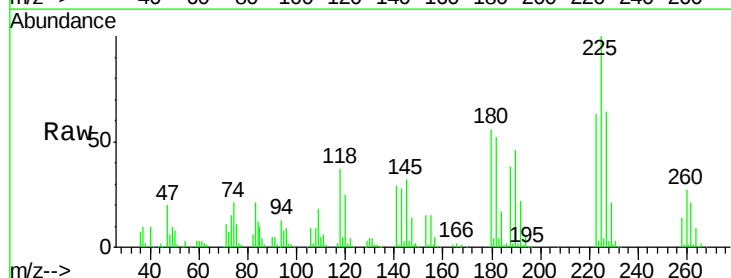


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

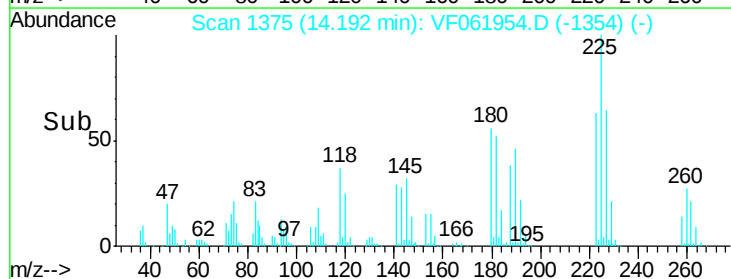
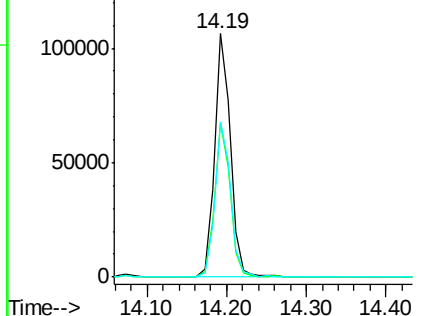


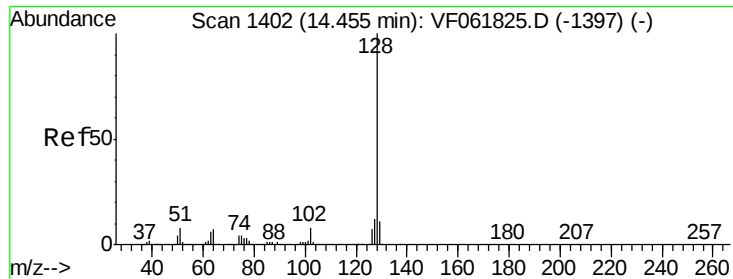
#94
 Hexachlorobutadiene
 Concen: 55.380 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. 0.00 min
 Lab File: VF061954.D
 Acq: 15 Mar 2019 11:03

Tgt Ion:225 Resp: 149396
 Ion Ratio Lower Upper
 225 100
 223 63.2 30.3 90.9
 227 63.6 31.3 93.8



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

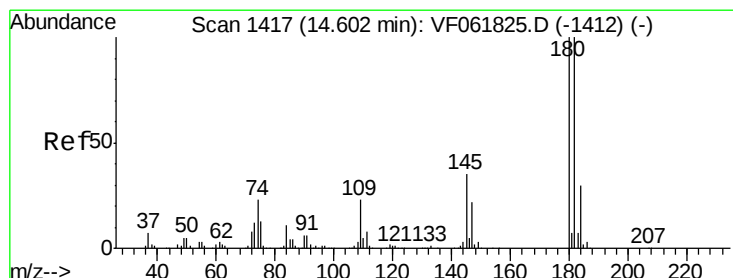
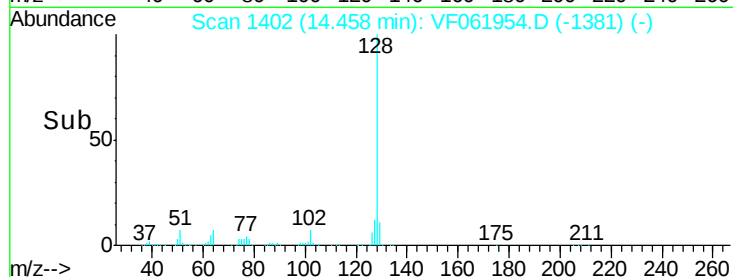
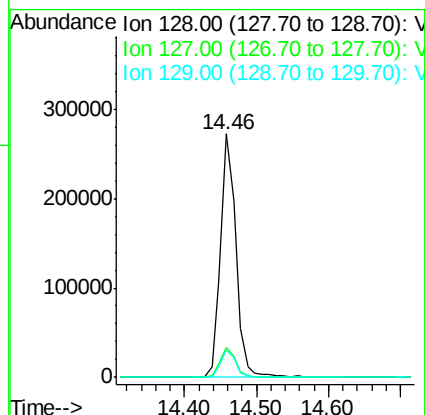
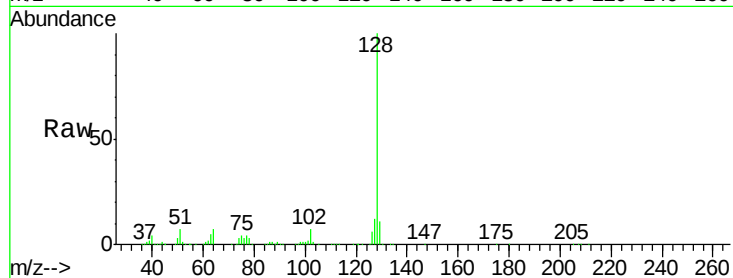




#95
Naphthalene
Concen: 57.724 ug/l
RT: 14.46 min Scan# 1402
Delta R.T. 0.00 min
Lab File: VF061954.D
Acq: 15 Mar 2019 11:03

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 400630
Ion Ratio Lower Upper
128 100
127 12.2 9.3 13.9
129 11.2 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 56.572 ug/l
RT: 14.61 min Scan# 1417
Delta R.T. 0.00 min
Lab File: VF061954.D
Acq: 15 Mar 2019 11:03

Tgt Ion:180 Resp: 203543
Ion Ratio Lower Upper
180 100
182 95.4 50.2 150.7
145 32.7 17.5 52.5

