

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052119\
 Data File : VF062675.D
 Acq On : 21 May 2019 10:21
 Operator : FY/SY
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Quant Time: May 22 03:53:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F051619S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 05:49:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	938931	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.77	114	1489740	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.91	117	1133373	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.61	152	539502	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.03	65	311709	46.98	ug/l	0.00
Spiked Amount			Recovery	=	93.96%	
35) Dibromofluoromethane	4.31	113	548074	48.08	ug/l	0.00
Spiked Amount			Recovery	=	96.16%	
50) Toluene-d8	7.71	98	1301859	47.83	ug/l	0.00
Spiked Amount			Recovery	=	95.66%	
62) 4-Bromofluorobenzene	11.49	95	460210	44.58	ug/l	-0.01
Spiked Amount			Recovery	=	89.16%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.00	85	548858	42.955	ug/l	98
3) Chloromethane	1.15	50	483642	41.108	ug/l	98
4) Vinyl Chloride	1.20	62	476722	44.019	ug/l	96
5) Bromomethane	1.40	94	273571	46.175	ug/l	99
6) Chloroethane	1.44	64	181349	45.595	ug/l	97
7) Trichlorofluoromethane	1.56	101	657193	45.195	ug/l	95
8) Diethyl Ether	1.71	74	158422	54.994	ug/l	83
9) 1,1,2-Trichlorotrifluoroet	1.91	101	446175	48.187	ug/l	99
10) Methyl Iodide	1.99	142	867662	47.703	ug/l	100
11) Tert butyl alcohol	2.70	59	126187	288.069	ug/l #	91
12) 1,1-Dichloroethene	1.88	96	414575	49.151	ug/l	96
13) Acrolein	2.11	56	104578	228.708	ug/l	88
14) Allyl chloride	2.20	41	448256	58.720	ug/l	97
15) Acrylonitrile	3.09	53	288640	233.594	ug/l	97
16) Acetone	2.35	43	511177	296.968	ug/l	93
17) Carbon Disulfide	1.93	76	1135482	45.419	ug/l	99
18) Methyl Acetate	2.46	43	139847	51.701	ug/l	96
19) Methyl tert-butyl Ether	2.55	73	765776	50.787	ug/l	100
20) Methylene Chloride	2.34	84	257471	29.841	ug/l	94
21) trans-1,2-Dichloroethene	2.42	96	411359	49.897	ug/l	93
22) Diisopropyl ether	2.94	45	943012	50.086	ug/l	98
23) Vinyl Acetate	3.35	43	3160782	248.864	ug/l	99
24) 1,1-Dichloroethane	3.01	63	685364	49.620	ug/l	99
25) 2-Butanone	4.53	43	1020197	277.409	ug/l	99
26) 2,2-Dichloropropane	3.78	77	417878	52.877	ug/l	93
27) cis-1,2-Dichloroethene	3.64	96	697889	51.463	ug/l	96
28) Bromochloromethane	3.90	49	324810	41.930	ug/l	96
29) Tetrahydrofuran	4.26	42	388060	260.759	ug/l	97
30) Chloroform	4.05	83	950027	49.540	ug/l	100
31) Cyclohexane	3.87	56	850684	45.870	ug/l	97
32) 1,1,1-Trichloroethane	4.29	97	638556	50.139	ug/l	98
36) 1,1-Dichloropropene	4.47	75	804253	52.685	ug/l	97
37) Ethyl Acetate	4.30	43	315194	50.570	ug/l	85
38) Carbon Tetrachloride	4.18	117	579009	50.434	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	981109	53.414	ug/l	96
40) Benzene	4.83	78	2084605	50.127	ug/l	99
41) Methacrylonitrile	4.93	41	173163	52.992	ug/l	93
42) 1,2-Dichloroethane	5.13	62	457061	55.114	ug/l	95
43) Isopropyl Acetate	7.11	43	389307	48.212	ug/l #	97
44) Trichloroethene	5.68	130	623953	53.384	ug/l	92
45) 1,2-Dichloropropane	6.41	63	538042	51.252	ug/l	98
46) Dibromomethane	6.26	93	342164	56.397	ug/l	92
47) Bromodichloromethane	6.55	83	692299	54.965	ug/l	98
48) Methyl methacrylate	6.88	41	224634	53.223	ug/l	96
49) 1,4-Dioxane	6.88	88	57609	1065.709	ug/l	93
51) 4-Methyl-2-Pentanone	8.40	43	1402981	254.188	ug/l	98
52) Toluene	7.78	92	1160371	53.204	ug/l	96
53) t-1,3-Dichloropropene	8.42	75	574284	55.732	ug/l	96
54) cis-1,3-Dichloropropene	7.46	75	795713	55.164	ug/l	98
55) 1,1,2-Trichloroethane	8.63	97	350335	54.251	ug/l	96
56) Ethyl methacrylate	8.76	69	388786	50.535	ug/l	97
57) 1,3-Dichloropropane	9.00	76	586538	53.325	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.45	63	702999	280.725	ug/l	97
59) 2-Hexanone	9.62	43	1040412	292.775	ug/l	95
60) Dibromochloromethane	8.86	129	483559	57.455	ug/l	97
61) 1,2-Dibromoethane	9.13	107	382056	55.702	ug/l	99
64) Tetrachloroethene	8.31	164	467331	52.048	ug/l	98
65) Chlorobenzene	9.93	112	1155106	51.890	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.06	131	484193	54.182	ug/l	97
67) Ethyl Benzene	10.03	91	1933391	49.995	ug/l	100
68) m/p-Xylenes	10.26	106	1470584	101.179	ug/l	98
69) o-Xylene	10.82	106	762500	50.933	ug/l	94
70) Styrene	10.89	104	1128386	49.590	ug/l	99
71) Bromoform	10.88	173	267101	59.678	ug/l #	95
73) Isopropylbenzene	11.21	105	1968213	50.902	ug/l	99
74) N-amyl acetate	11.45	43	531939	54.560	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.77	83	416901	52.758	ug/l	98
76) 1,2,3-Trichloropropane	11.86	75	269648	51.933	ug/l	90
77) Bromobenzene	11.58	156	504176	52.456	ug/l	96
78) n-propylbenzene	11.67	91	2152016	47.027	ug/l	97
79) 2-Chlorotoluene	11.79	91	1284128	49.793	ug/l	97
80) 1,3,5-Trimethylbenzene	11.89	105	1545621	49.851	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.94	75	156381	67.757	ug/l	92
82) 4-Chlorotoluene	11.97	91	1250856	49.185	ug/l	100
83) tert-Butylbenzene	12.20	119	1658239	52.716	ug/l	98
84) 1,2,4-Trimethylbenzene	12.27	105	1517671	50.574	ug/l	96
85) sec-Butylbenzene	12.37	105	2043518	48.408	ug/l	99
86) p-Isopropyltoluene	12.51	119	1730608	48.645	ug/l	99
87) 1,3-Dichlorobenzene	12.53	146	857468	49.311	ug/l	100
88) 1,4-Dichlorobenzene	12.62	146	835833	51.221	ug/l	98
89) n-Butylbenzene	12.90	91	1681438	47.936	ug/l	99
90) Hexachloroethane	12.97	117	470915	55.179	ug/l	97
91) 1,2-Dichlorobenzene	13.00	146	811878	52.378	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.69	75	54353	57.657	ug/l	95

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Quant Title : SW846 8260
QLast Update : Fri May 17 05:49:09 2019
Response via : Initial Calibration

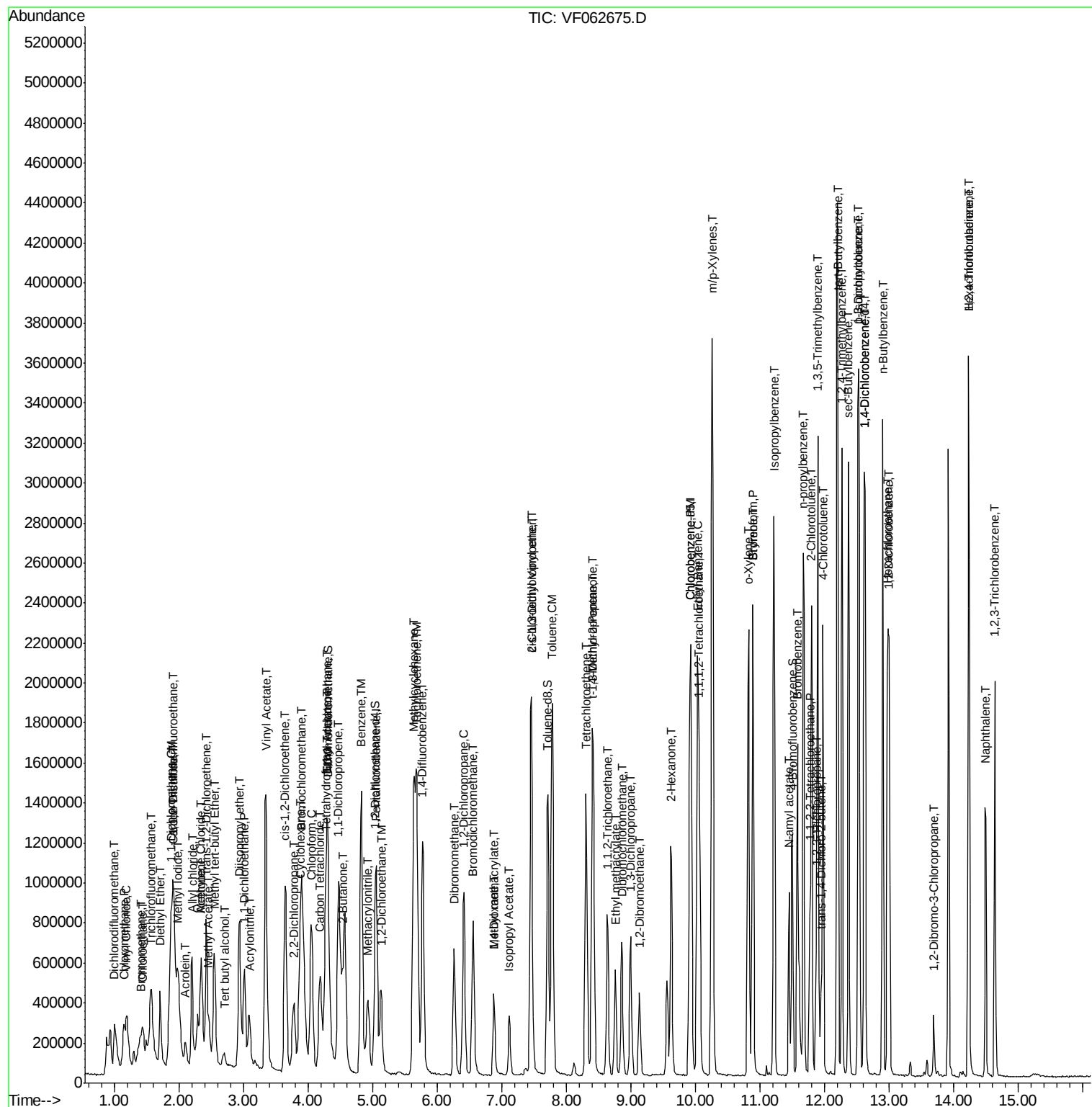
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	588692	53.058	ug/l	100
94) Hexachlorobutadiene	14.23	225	408551	52.764	ug/l	94
95) Naphthalene	14.50	128	1069544	53.061	ug/l	99
96) 1,2,3-Trichlorobenzene	14.63	180	566096	53.865	ug/l	100

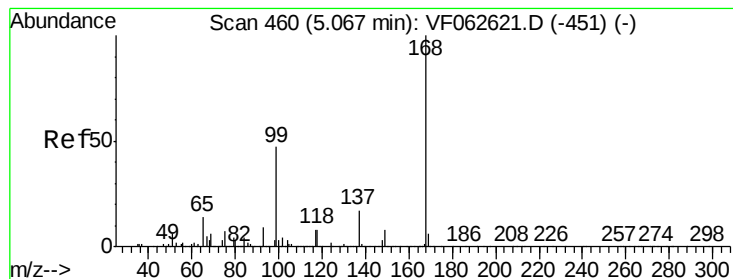
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.05 min Scan# 458

Delta R.T. -0.01 min

Lab File: VF062675.D

Acq: 21 May 2019 10:21

Instrument :

MSVOA_F

ClientSampleId :

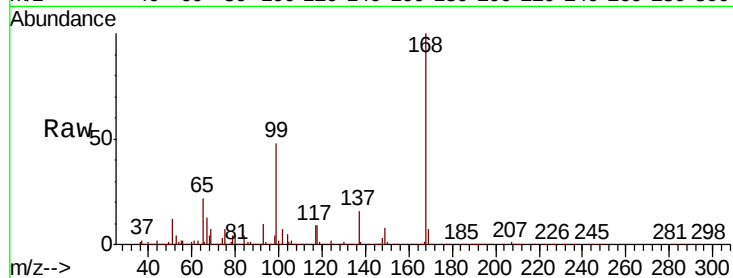
VSTDCCC050

Tot Ion:168 Resp: 938931

Ion Ratio Lower Upper

168 100

99 48.1 37.8 56.8



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.05

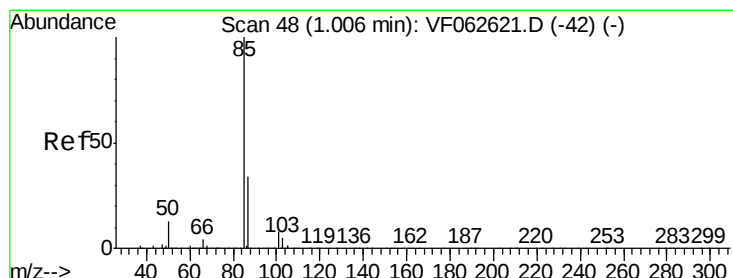
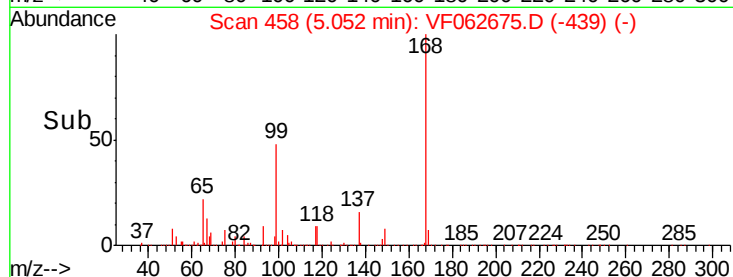
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 42.955 ug/l

RT: 1.00 min Scan# 47

Delta R.T. -0.00 min

Lab File: VF062675.D

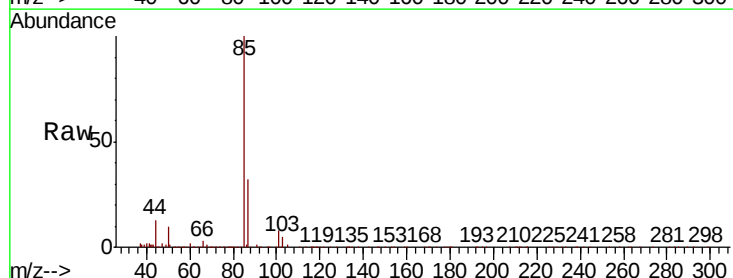
Acq: 21 May 2019 10:21

Tgt Ion: 85 Resp: 548858

Ion Ratio Lower Upper

85 100

87 32.2 16.8 50.3



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

1.00

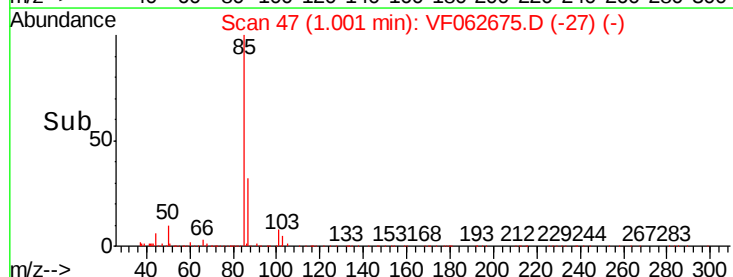
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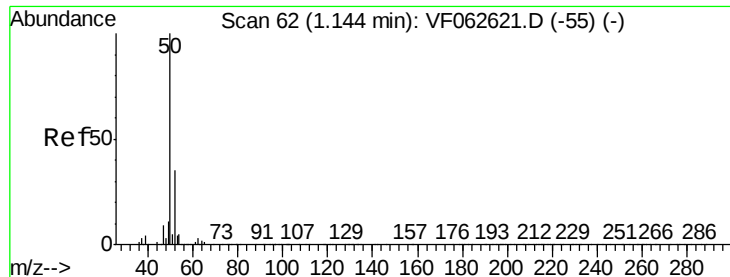
100000

50000

0

Time-->





#3

Chloromethane

Concen: 41.108 ug/l

RT: 1.15 min Scan# 62

Delta R.T. 0.00 min

Lab File: VF062675.D

Acq: 21 May 2019 10:21

Instrument :

MSVOA_F

ClientSampleId :

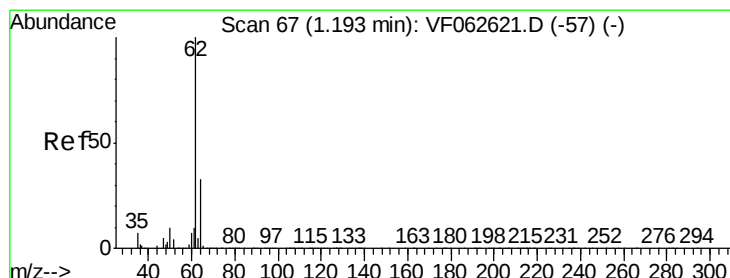
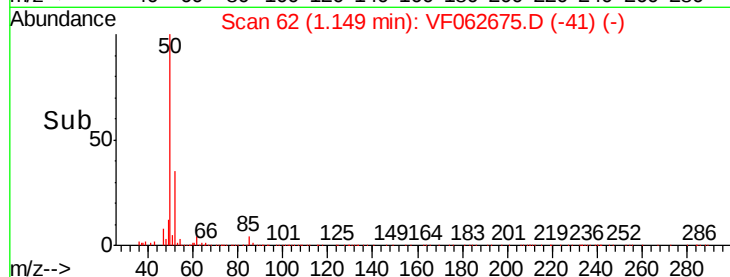
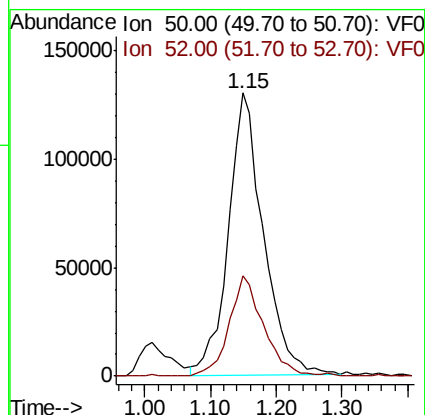
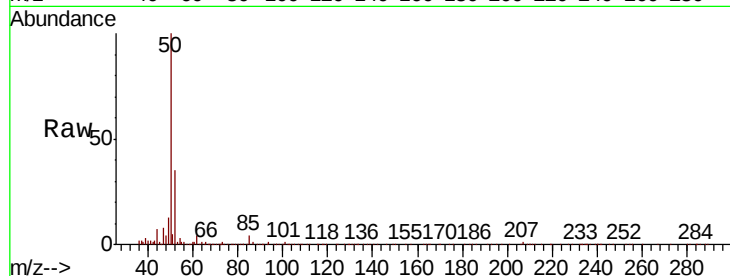
VSTDCCC050

Tot Ion: 50 Resp: 483642

Ion Ratio Lower Upper

50 100

52 35.3 27.5 41.3



#4

Vinyl Chloride

Concen: 44.019 ug/l

RT: 1.20 min Scan# 67

Delta R.T. 0.00 min

Lab File: VF062675.D

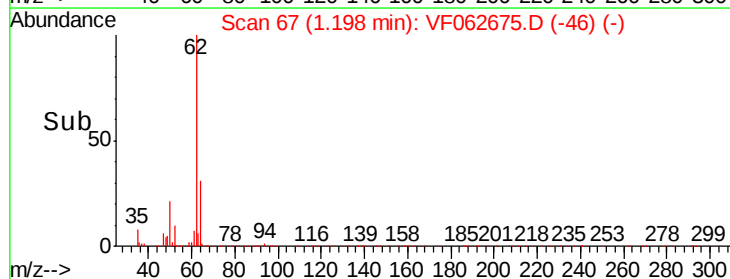
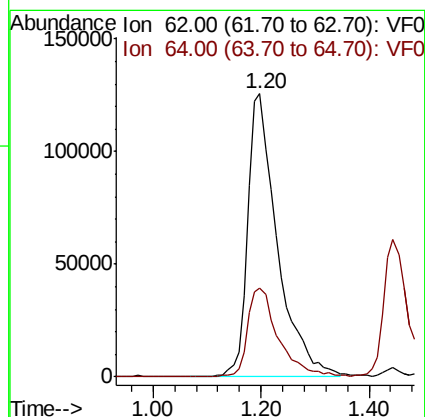
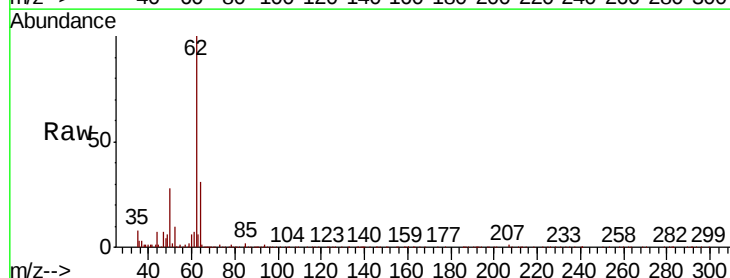
Acq: 21 May 2019 10:21

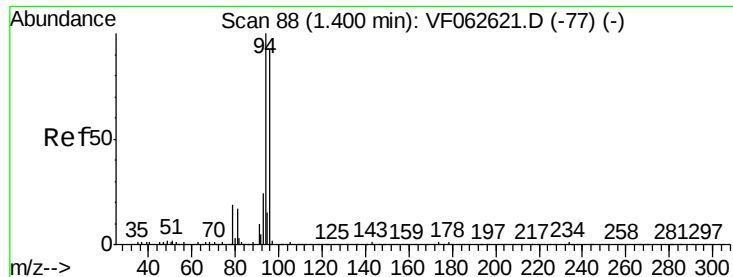
Tgt Ion: 62 Resp: 476722

Ion Ratio Lower Upper

62 100

64 31.2 26.7 40.1





#5

Bromomethane

Concen: 46.175 ug/l

RT: 1.40 min Scan# 87

Delta R.T. -0.00 min

Lab File: VF062675.D

Acq: 21 May 2019 10:21

Instrument :

MSVOA_F

ClientSampleId :

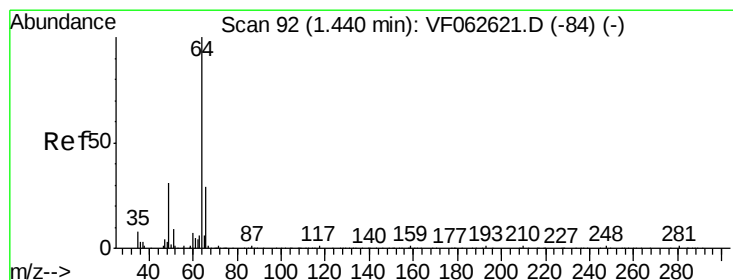
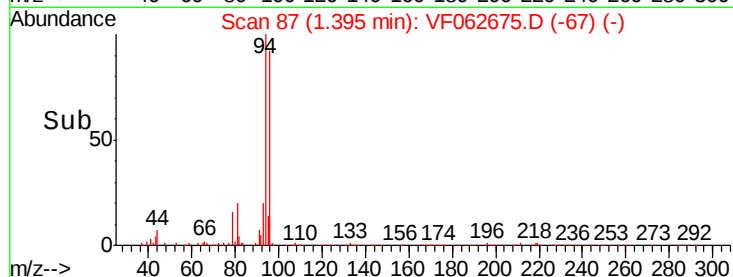
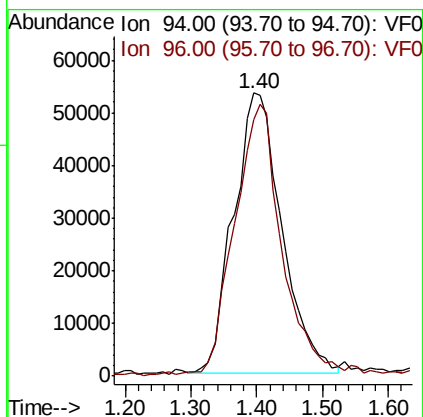
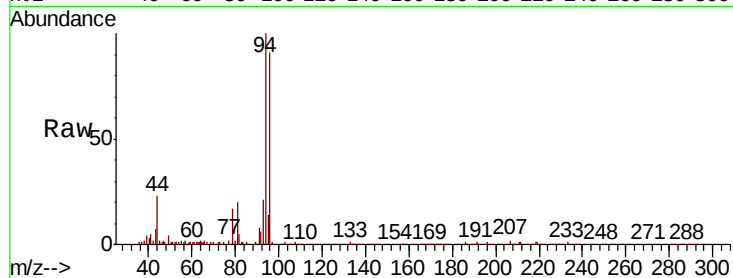
VSTDCCC050

Tot Ion: 94 Resp: 273571

Ion Ratio Lower Upper

94 100

96 90.8 73.2 109.8



#6

Chloroethane

Concen: 45.595 ug/l

RT: 1.44 min Scan# 92

Delta R.T. 0.00 min

Lab File: VF062675.D

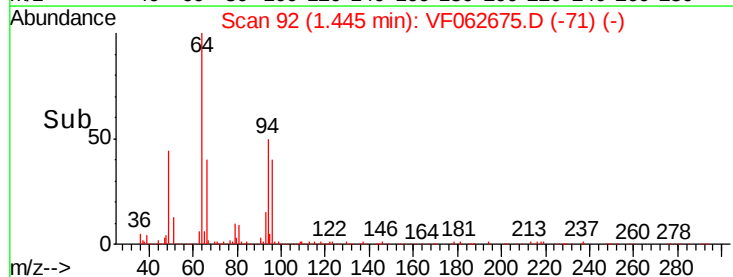
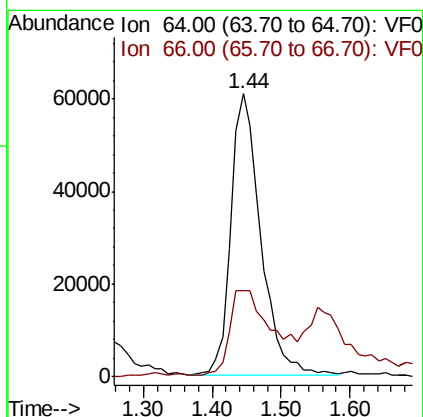
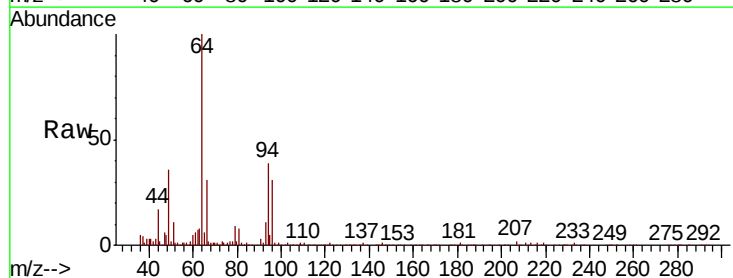
Acq: 21 May 2019 10:21

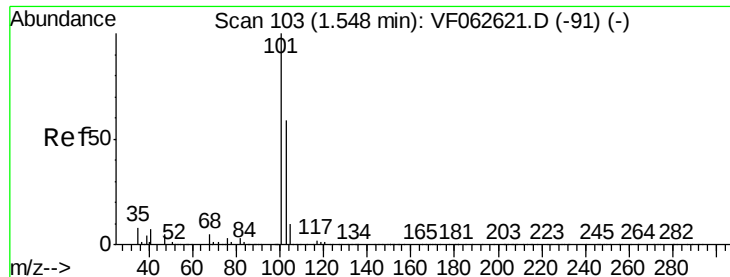
Tgt Ion: 64 Resp: 181349

Ion Ratio Lower Upper

64 100

66 30.7 23.4 35.2



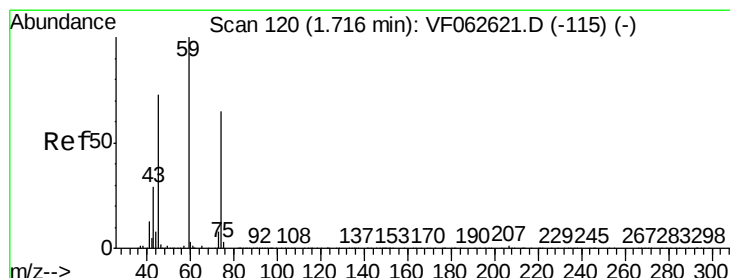
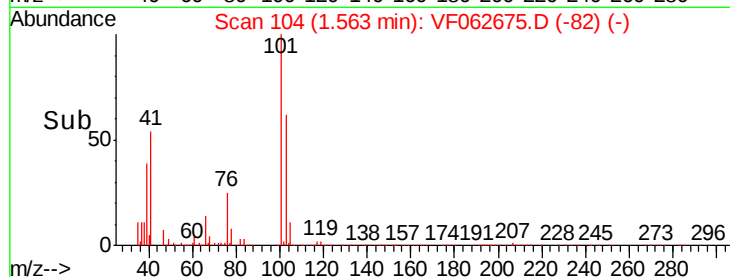
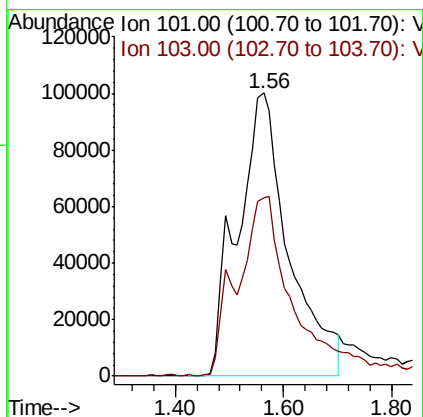
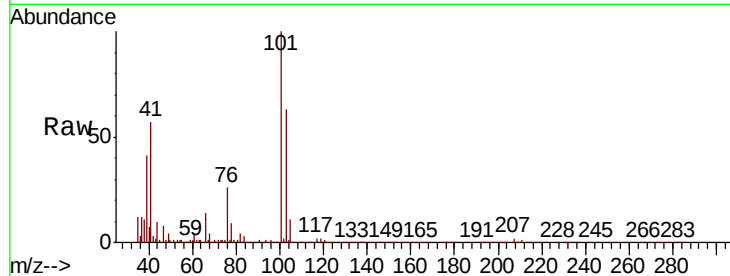


#7

Trichlorofluoromethane
 Concen: 45.195 ug/l
 RT: 1.56 min Scan# 104
 Delta R.T. 0.01 min
 Lab File: VF062675.D
 Acq: 21 May 2019 10:21

Instrument :
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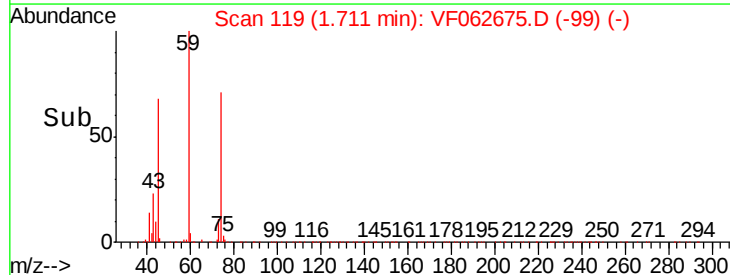
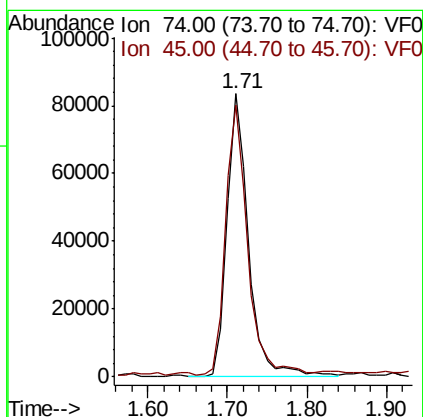
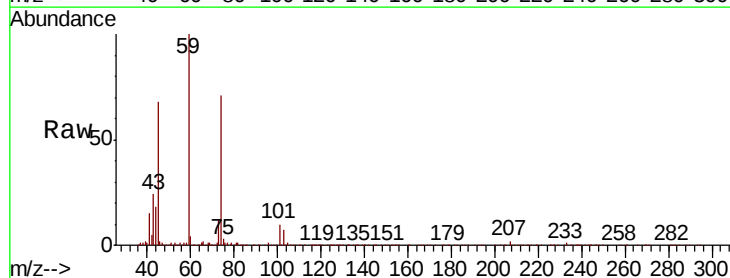
Tot Ion:101 Resp: 657193
 Ion Ratio Lower Upper
 101 100
 103 63.0 47.3 70.9

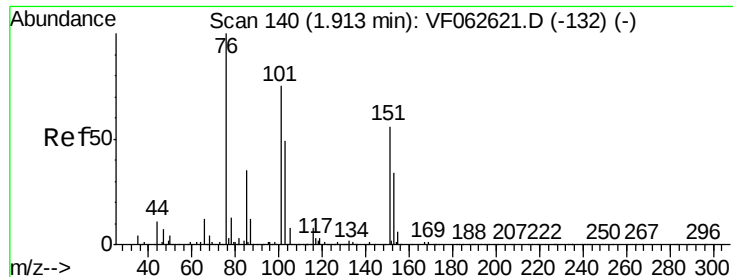


#8

Diethyl Ether
 Concen: 54.994 ug/l
 RT: 1.71 min Scan# 119
 Delta R.T. -0.00 min
 Lab File: VF062675.D
 Acq: 21 May 2019 10:21

Tgt Ion: 74 Resp: 158422
 Ion Ratio Lower Upper
 74 100
 45 95.9 57.0 170.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.187 ug/l

RT: 1.91 min Scan# 139

Delta R.T. -0.00 min

Lab File: VF062675.D

Acq: 21 May 2019 10:21

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

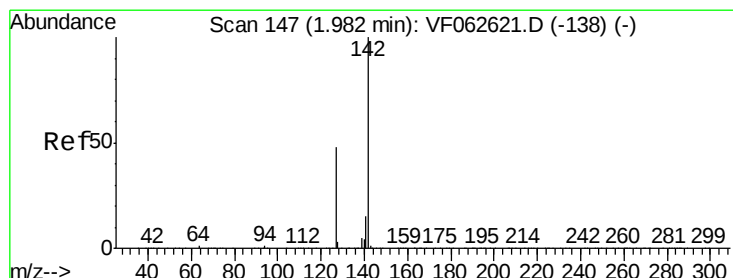
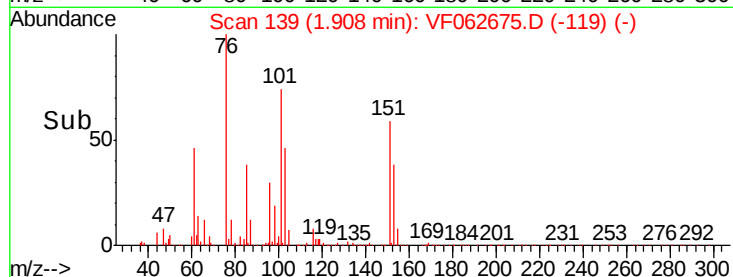
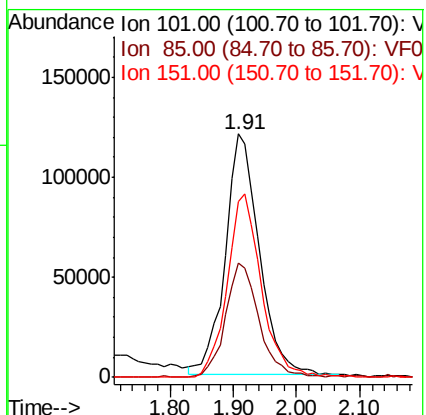
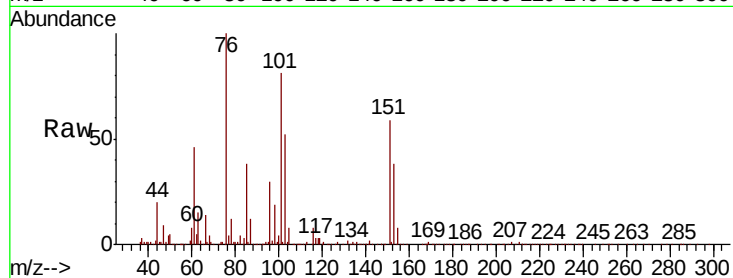
Tot Ion:101 Resp: 446175

Ion Ratio Lower Upper

101 100

85 47.1 37.1 55.7

151 72.1 58.8 88.2



#10

Methyl Iodide

Concen: 47.703 ug/l

RT: 1.99 min Scan# 147

Delta R.T. 0.00 min

Lab File: VF062675.D

Acq: 21 May 2019 10:21

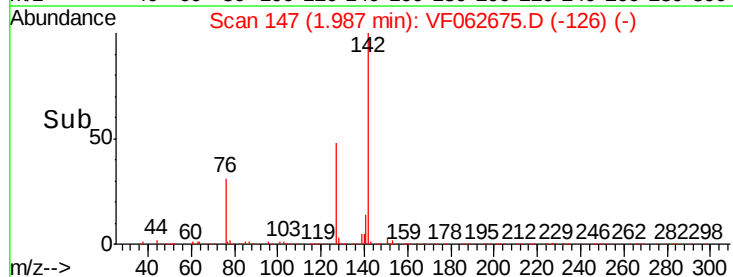
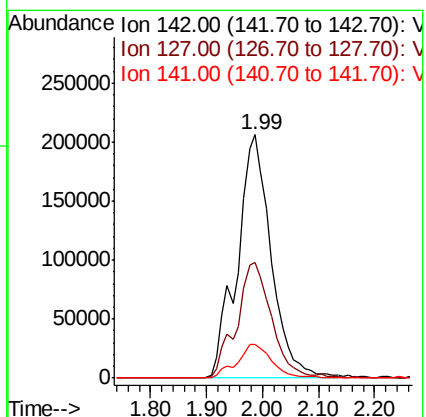
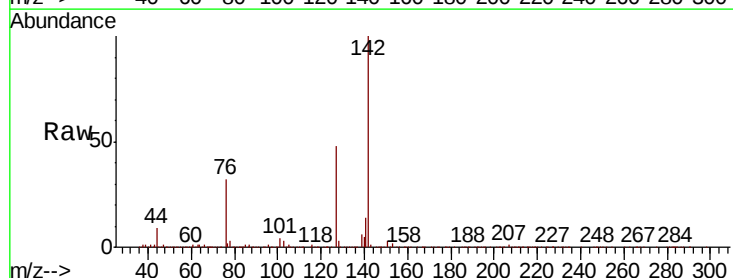
Tgt Ion:142 Resp: 867662

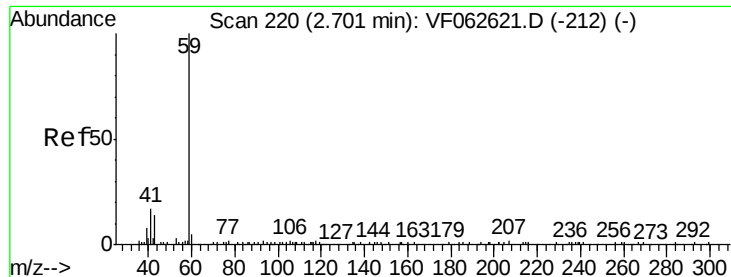
Ion Ratio Lower Upper

142 100

127 47.5 38.1 57.1

141 14.0 11.7 17.5



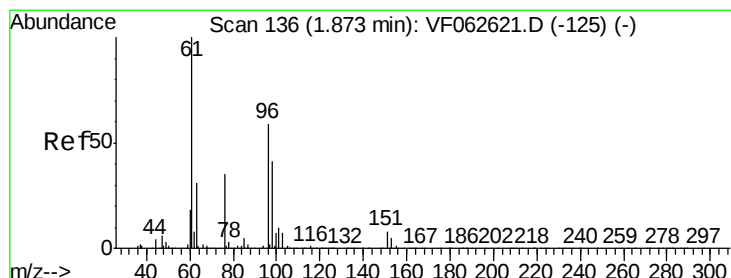
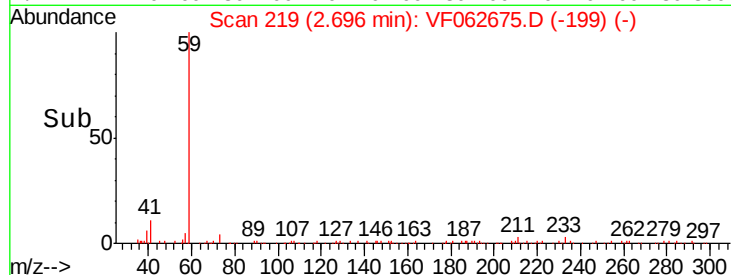
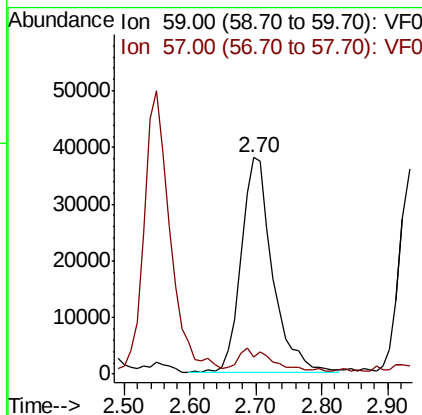
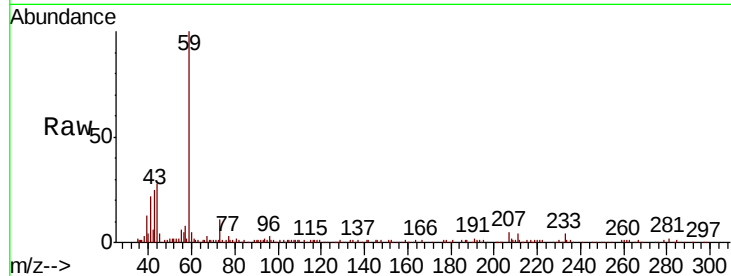


#11

Tert butyl alcohol
 Concen: 288.069 ug/l
 RT: 2.70 min Scan# 219
 Delta R.T. -0.00 min
 Lab File: VF062675.D
 Acq: 21 May 2019 10:21

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

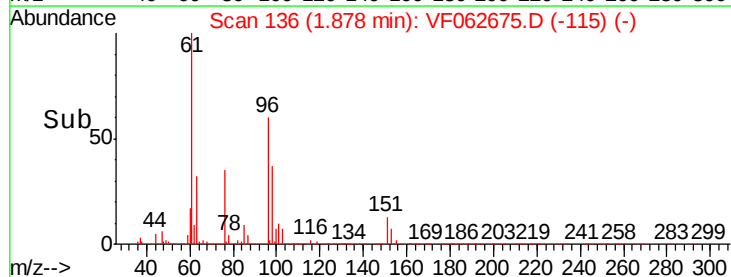
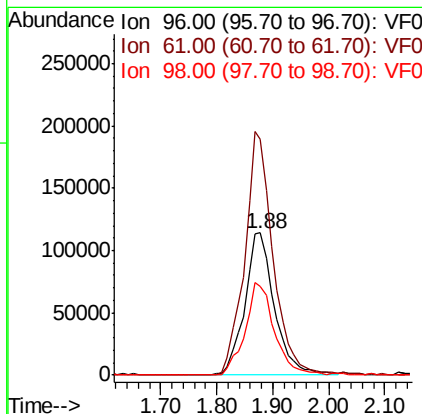
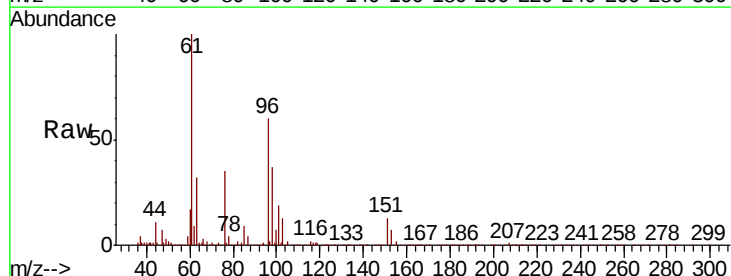
Tot Ion: 59 Resp: 126187
 Ion Ratio Lower Upper
 59 100
 57 8.1 9.3 13.9#

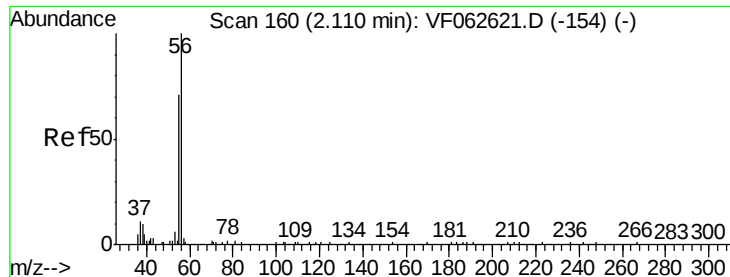


#12

1,1-Dichloroethene
 Concen: 49.151 ug/l
 RT: 1.88 min Scan# 136
 Delta R.T. 0.00 min
 Lab File: VF062675.D
 Acq: 21 May 2019 10:21

Tgt Ion: 96 Resp: 414575
 Ion Ratio Lower Upper
 96 100
 61 165.5 134.3 201.5
 98 61.9 55.0 82.6





#13

Acrolein

Concen: 228.708 ug/l

RT: 2.11 min Scan# 159

Delta R.T. -0.00 min

Lab File: VF062675.D

Acq: 21 May 2019 10:21

Instrument :

MSVOA_F

ClientSampleId :

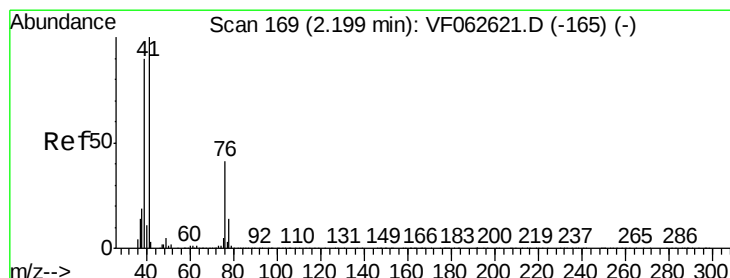
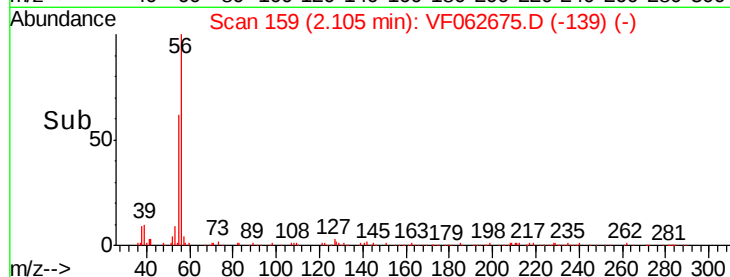
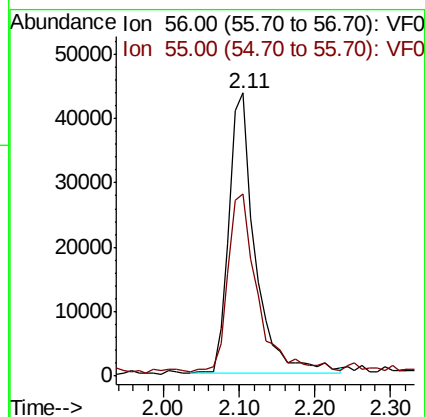
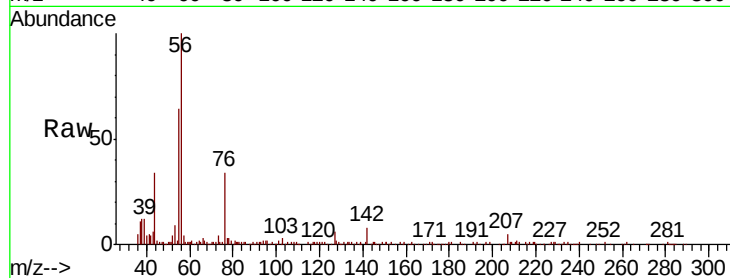
VSTDCCC050

Tot Ion: 56 Resp: 104578

Ion Ratio Lower Upper

56 100

55 64.3 59.4 89.0



#14

Allyl chloride

Concen: 58.720 ug/l

RT: 2.20 min Scan# 169

Delta R.T. 0.00 min

Lab File: VF062675.D

Acq: 21 May 2019 10:21

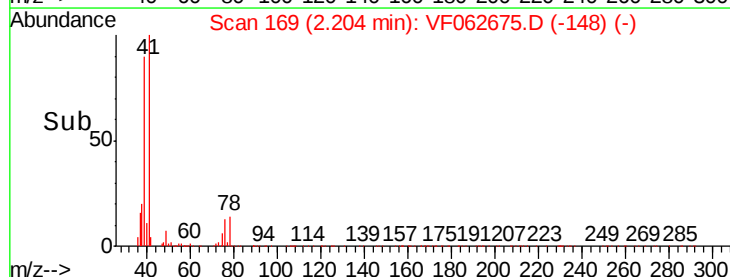
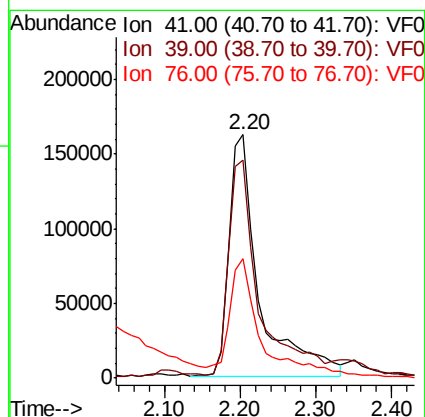
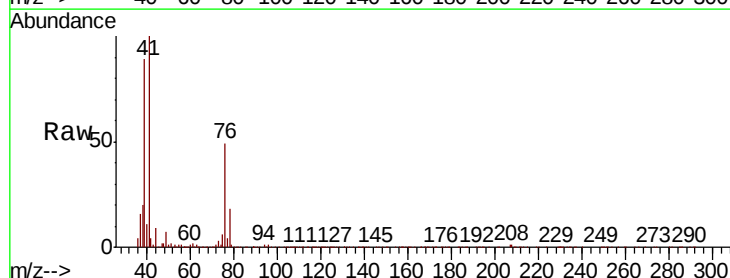
Tgt Ion: 41 Resp: 448256

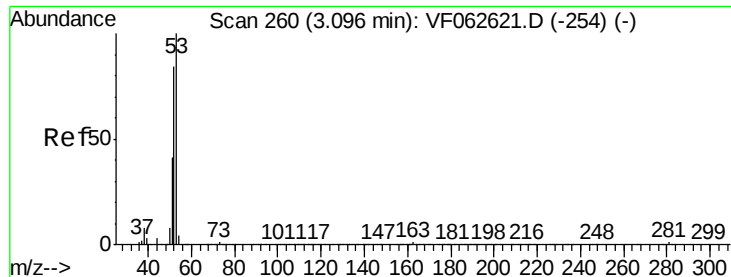
Ion Ratio Lower Upper

41 100

39 89.4 72.0 108.0

76 48.8 34.8 52.2





#15

Acrylonitrile

Concen: 233.594 ug/l

RT: 3.09 min Scan# 259

Delta R.T. -0.00 min

Lab File: VF062675.D

Acq: 21 May 2019 10:21

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

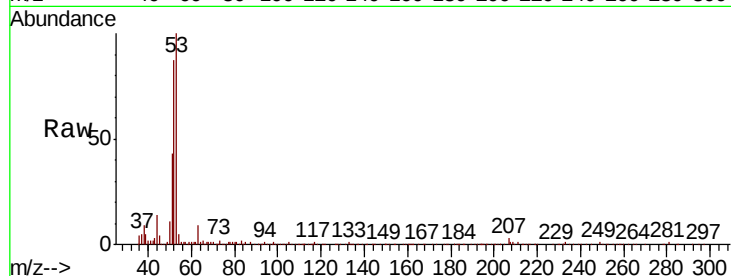
Tot Ion: 53 Resp: 288640

Ion Ratio Lower Upper

53 100

52 86.8 67.3 100.9

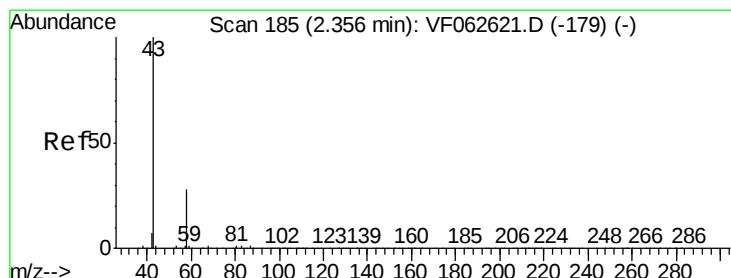
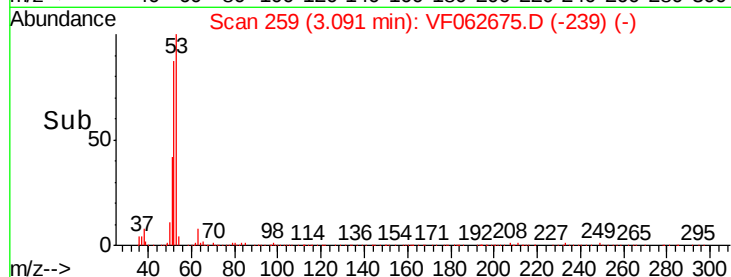
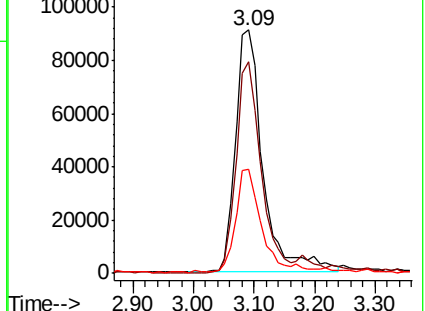
51 42.5 33.0 49.6



Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 296.968 ug/l

RT: 2.35 min Scan# 184

Delta R.T. -0.00 min

Lab File: VF062675.D

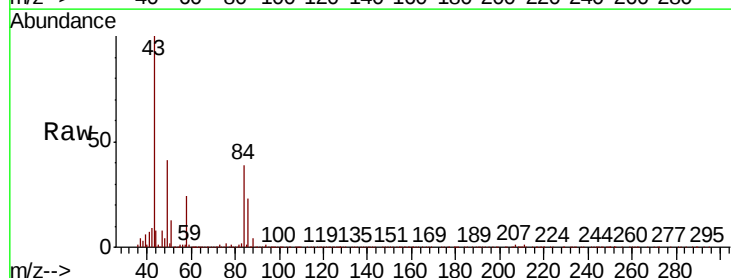
Acq: 21 May 2019 10:21

Tgt Ion: 43 Resp: 511177

Ion Ratio Lower Upper

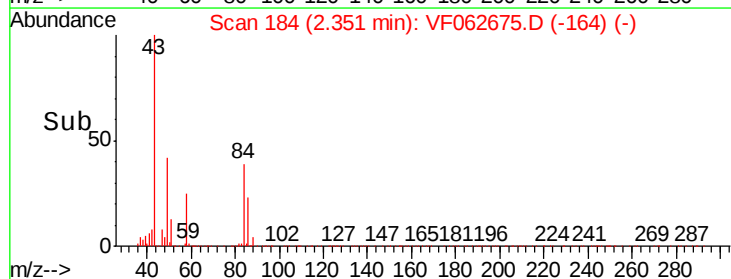
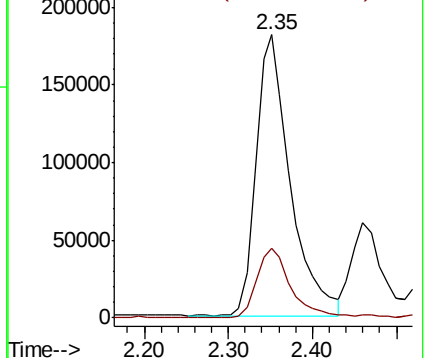
43 100

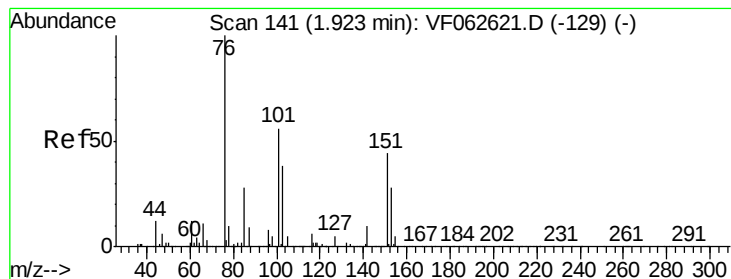
58 24.4 22.6 33.8



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#17

Carbon Disulfide

Concen: 45.419 ug/l

RT: 1.93 min Scan# 141

Delta R.T. 0.00 min

Lab File: VF062675.D

Acq: 21 May 2019 10:21

Instrument :

MSVOA_F

ClientSampleId :

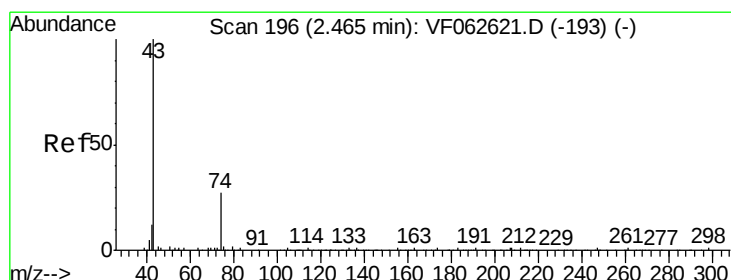
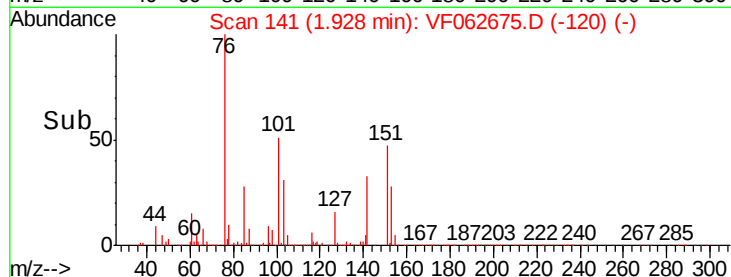
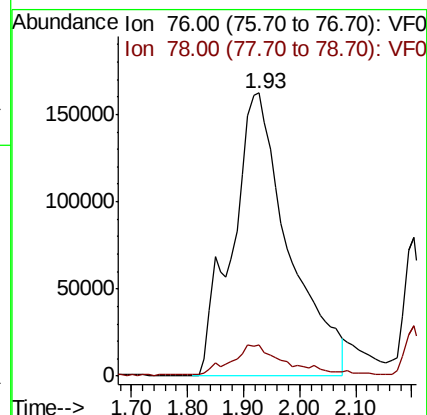
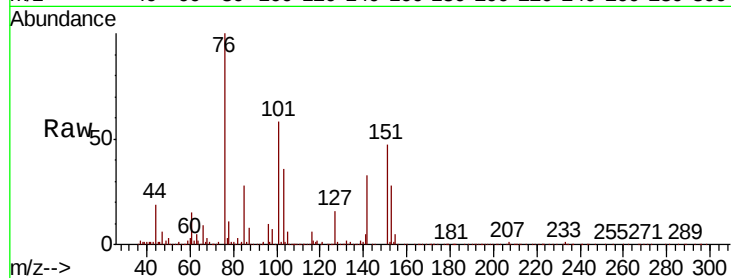
VSTDCCC050

Tot Ion: 76 Resp: 1135482

Ion Ratio Lower Upper

76 100

78 11.0 8.4 12.6



#18

Methyl Acetate

Concen: 51.701 ug/l

RT: 2.46 min Scan# 195

Delta R.T. -0.00 min

Lab File: VF062675.D

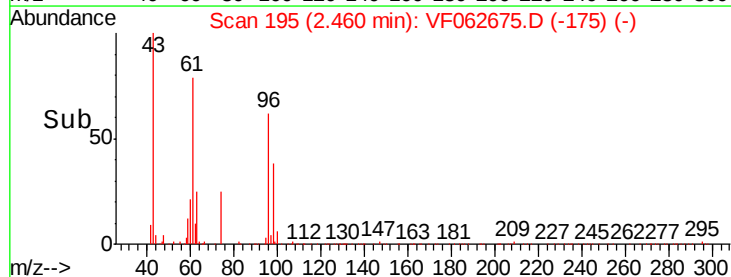
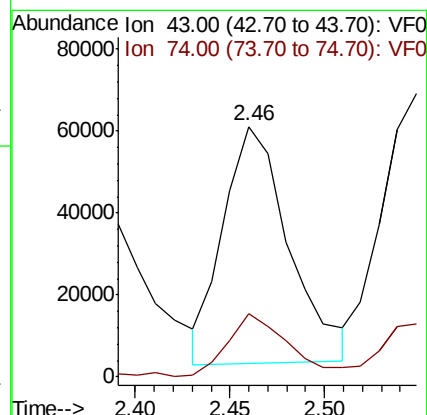
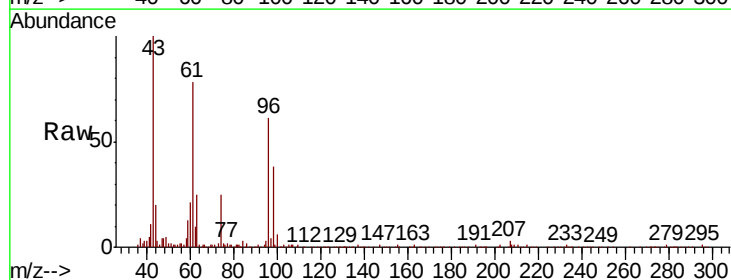
Acq: 21 May 2019 10:21

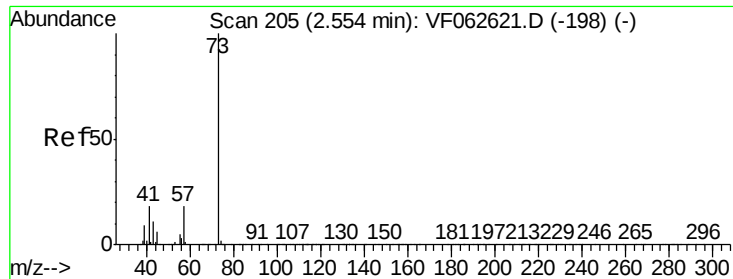
Tgt Ion: 43 Resp: 139847

Ion Ratio Lower Upper

43 100

74 25.4 18.9 28.3

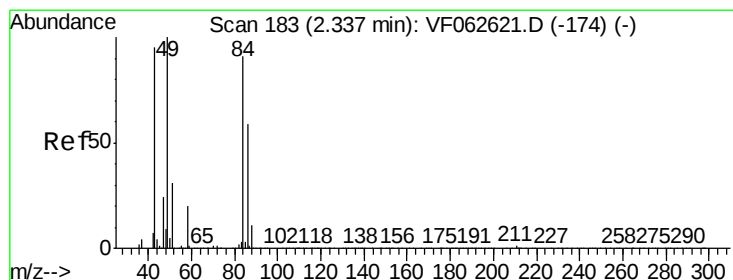
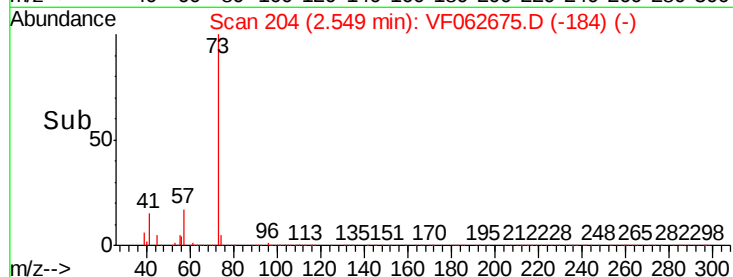
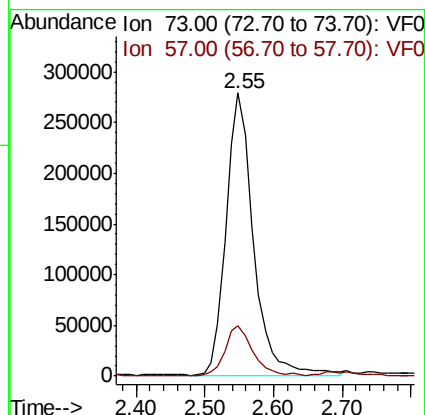
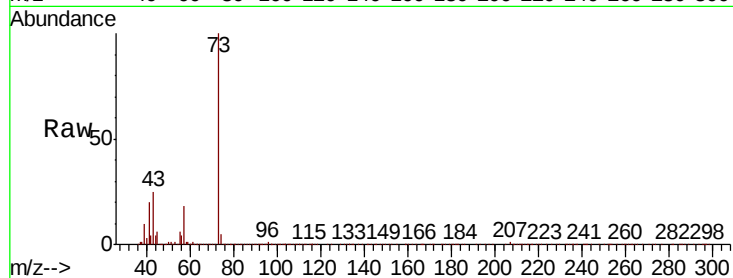




#19
Methyl tert-butyl Ether
Concen: 50.787 ug/l
RT: 2.55 min Scan# 204
Delta R.T. -0.00 min
Lab File: VF062675.D
Acq: 21 May 2019 10:21

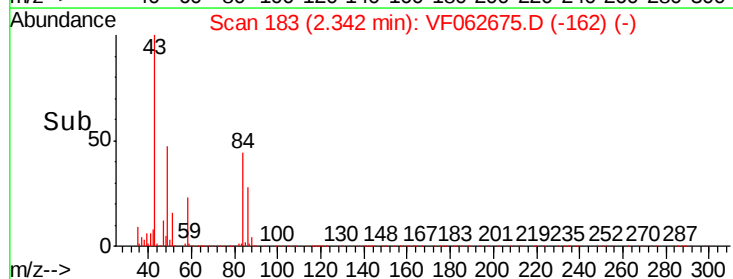
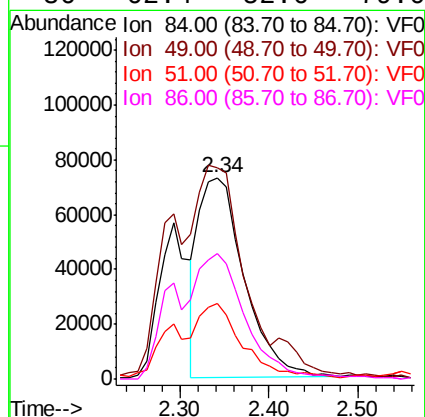
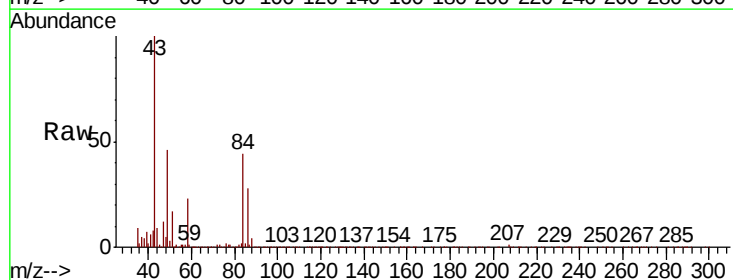
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

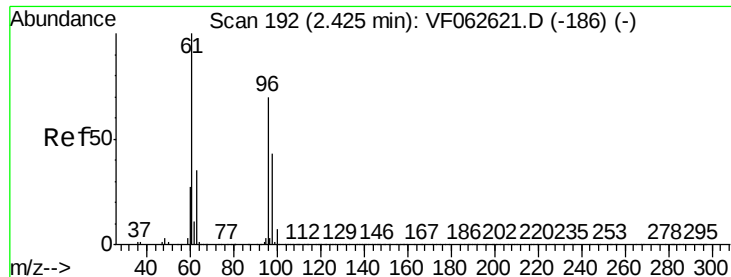
Tot Ion: 73 Resp: 765776
Ion Ratio Lower Upper
73 100
57 17.9 14.2 21.4



#20
Methylene Chloride
Concen: 29.841 ug/l
RT: 2.34 min Scan# 183
Delta R.T. 0.00 min
Lab File: VF062675.D
Acq: 21 May 2019 10:21

Tgt Ion: 84 Resp: 257471
Ion Ratio Lower Upper
84 100
49 104.7 89.8 134.8
51 37.5 28.4 42.6
86 62.4 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 49.897 ug/l

RT: 2.42 min Scan# 191

Delta R.T. -0.00 min

Lab File: VF062675.D

Acq: 21 May 2019 10:21

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

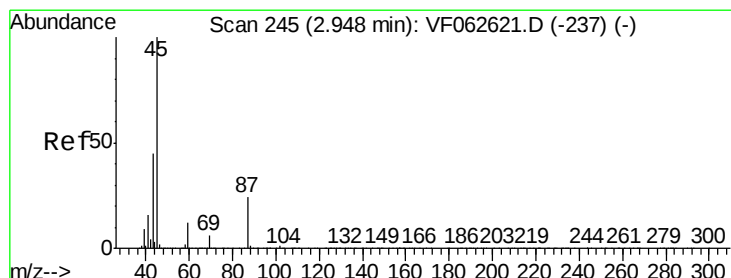
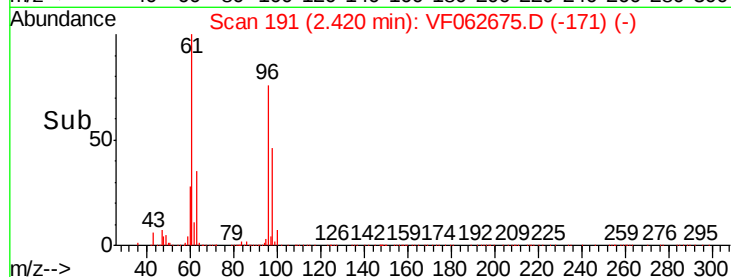
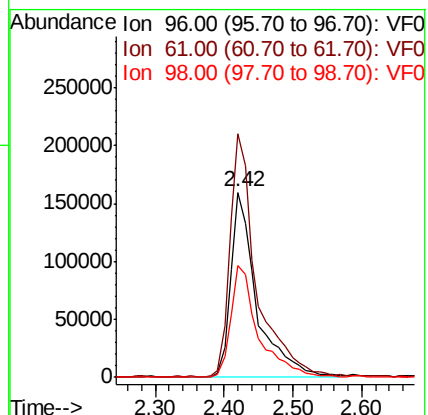
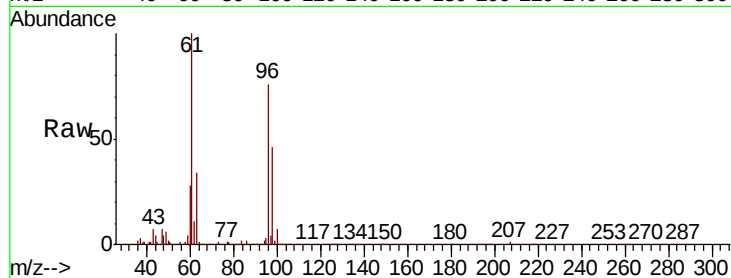
Tot Ion: 96 Resp: 411359

Ion Ratio Lower Upper

96 100

61 131.6 114.6 171.8

98 60.7 49.5 74.3



#22

Diisopropyl ether

Concen: 50.086 ug/l

RT: 2.94 min Scan# 244

Delta R.T. -0.00 min

Lab File: VF062675.D

Acq: 21 May 2019 10:21

Tgt Ion: 45 Resp: 943012

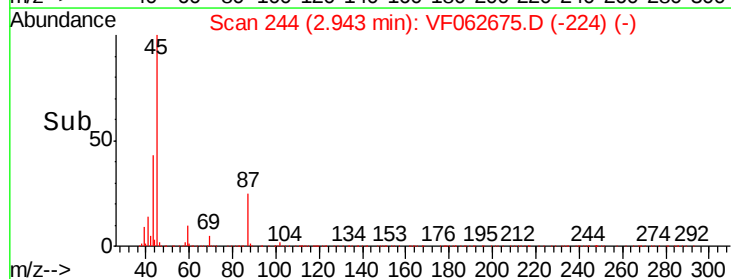
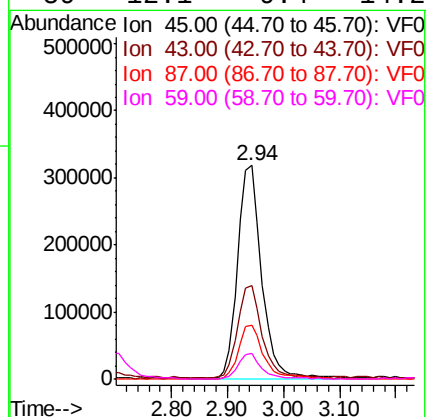
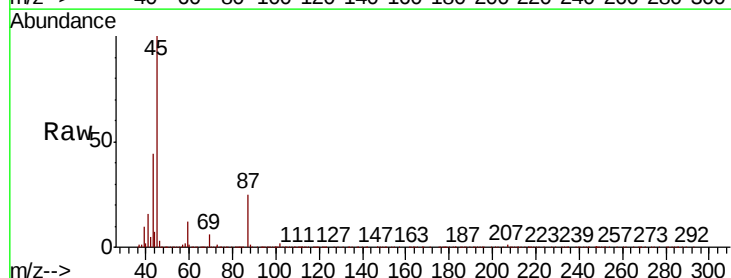
Ion Ratio Lower Upper

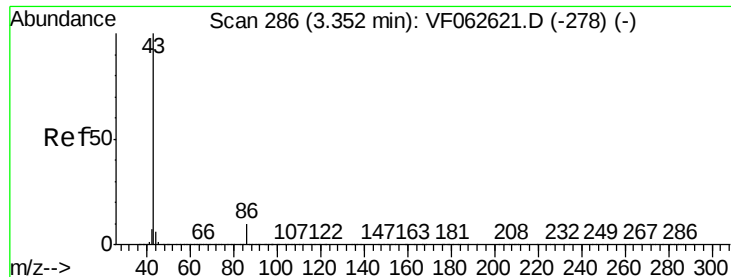
45 100

43 43.6 36.4 54.6

87 25.1 19.3 28.9

59 12.1 9.4 14.2





#23

Vinyl Acetate

Concen: 248.864 ug/l

RT: 3.35 min Scan# 285

Delta R.T. -0.00 min

Lab File: VF062675.D

Acq: 21 May 2019 10:21

Instrument :

MSVOA_F

ClientSampleId :

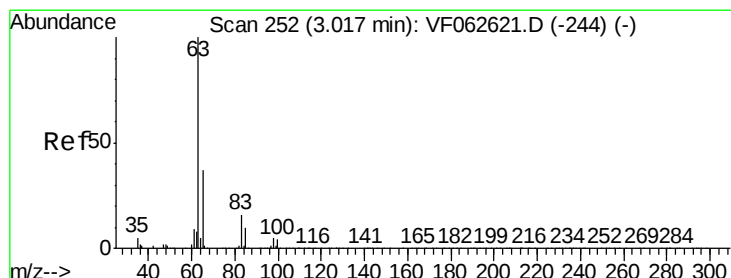
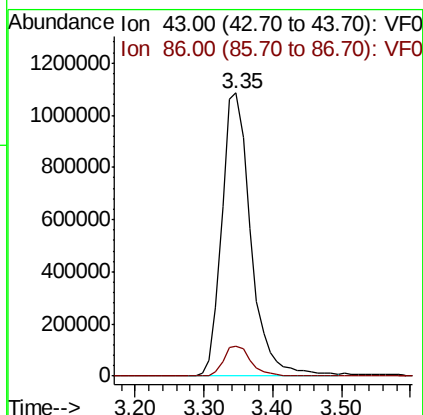
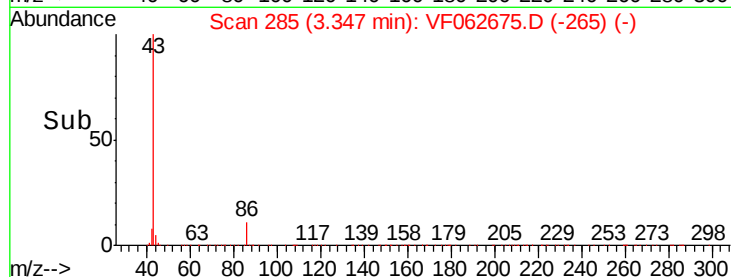
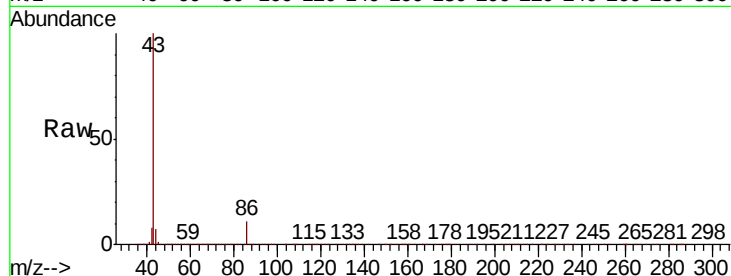
VSTDCCC050

Tot Ion: 43 Resp: 3160782

Ion Ratio Lower Upper

43 100

86 10.7 8.2 12.2



#24

1,1-Dichloroethane

Concen: 49.620 ug/l

RT: 3.01 min Scan# 251

Delta R.T. -0.01 min

Lab File: VF062675.D

Acq: 21 May 2019 10:21

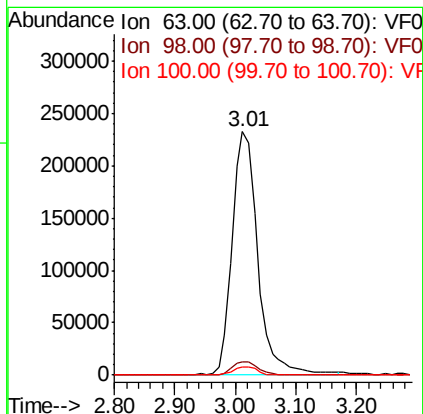
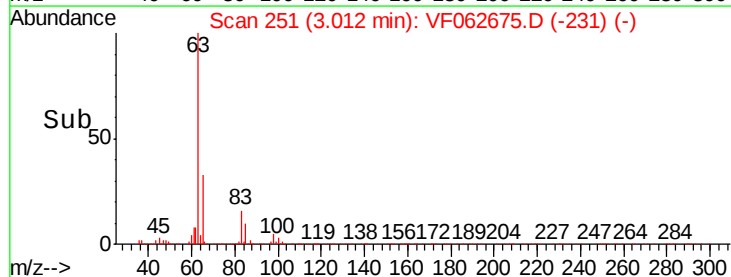
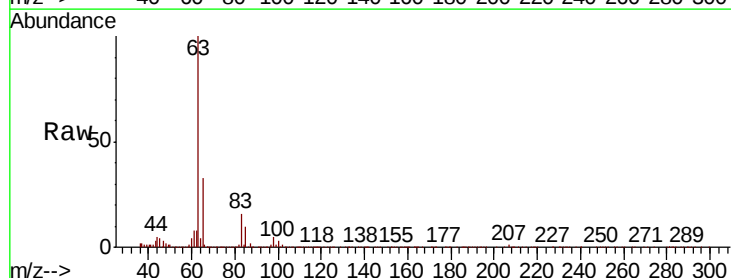
Tgt Ion: 63 Resp: 685364

Ion Ratio Lower Upper

63 100

98 5.3 2.8 8.3

100 3.4 1.9 5.7





#25

2-Butanone

Concen: 277.409 ug/l

RT: 4.53 min Scan# 405

Delta R.T. -0.00 min

Lab File: VF062675.D

Acq: 21 May 2019 10:21

Instrument :

MSVOA_F

ClientSampleId :

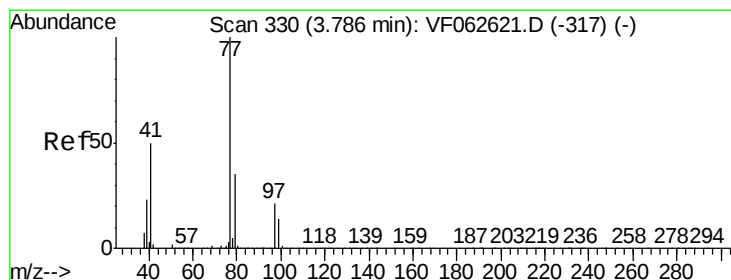
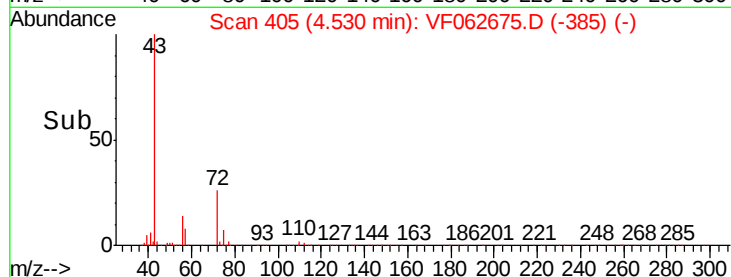
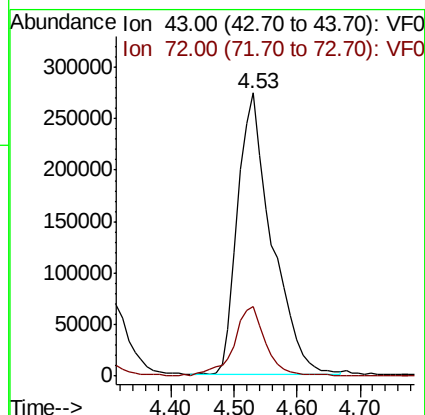
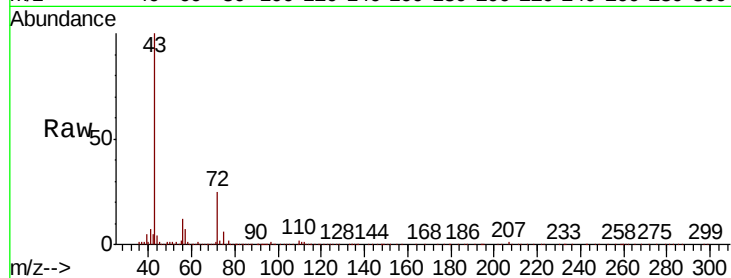
VSTDCCC050

Tot Ion: 43 Resp: 1020197

Ion Ratio Lower Upper

43 100

72 24.8 20.1 30.1



#26

2,2-Dichloropropane

Concen: 52.877 ug/l

RT: 3.78 min Scan# 329

Delta R.T. -0.00 min

Lab File: VF062675.D

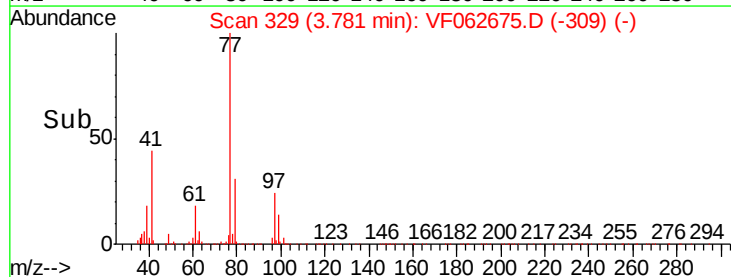
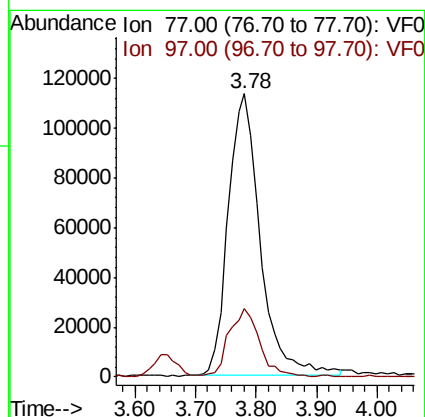
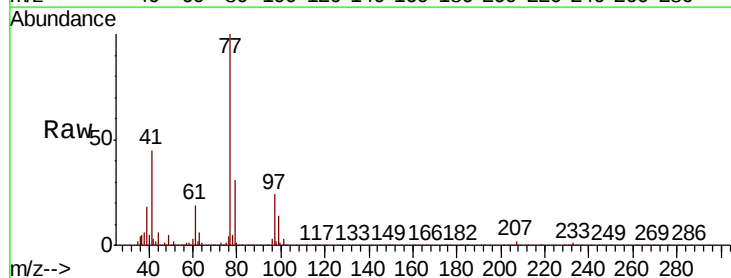
Acq: 21 May 2019 10:21

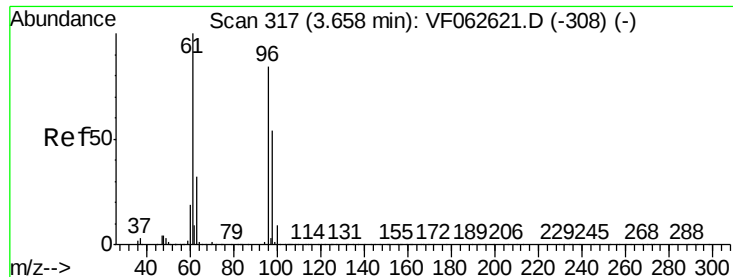
Tgt Ion: 77 Resp: 417878

Ion Ratio Lower Upper

77 100

97 24.4 14.1 42.4



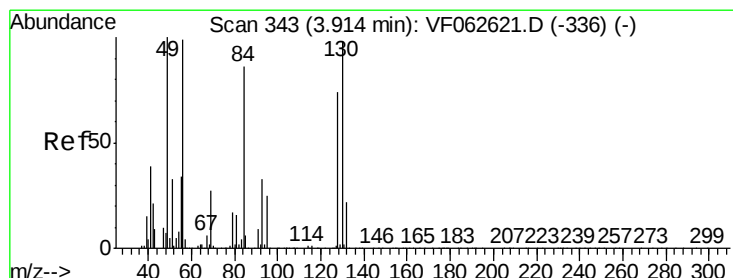
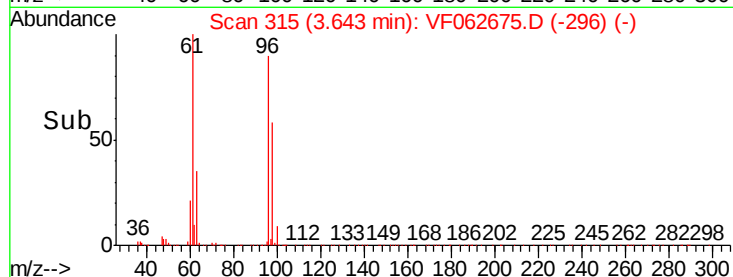
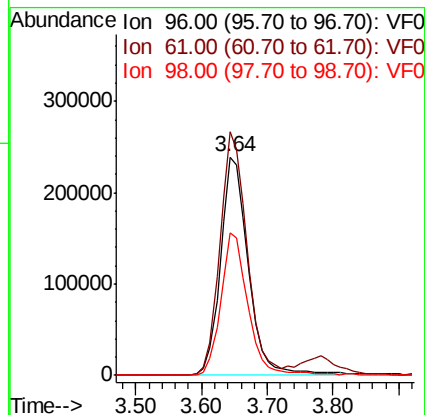
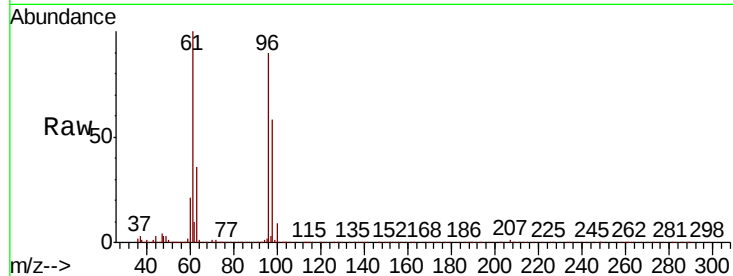


#27

cis-1,2-Dichloroethene
Concen: 51.463 ug/l
RT: 3.64 min Scan# 315
Delta R.T. -0.01 min
Lab File: VF062675.D
Acq: 21 May 2019 10:21

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

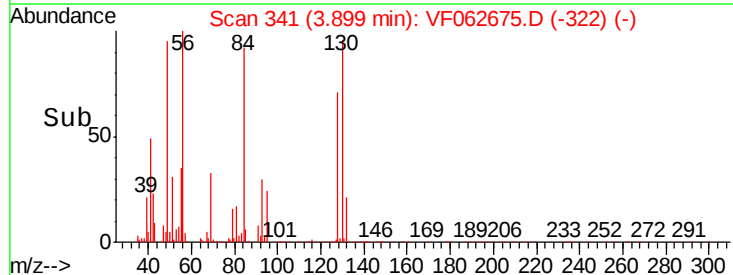
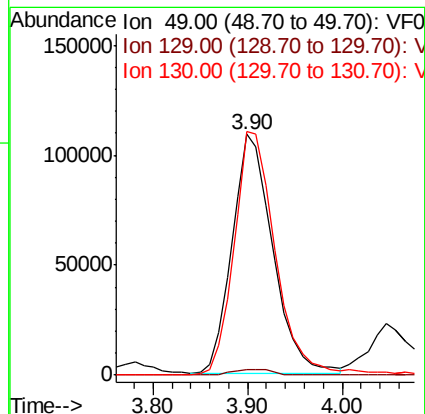
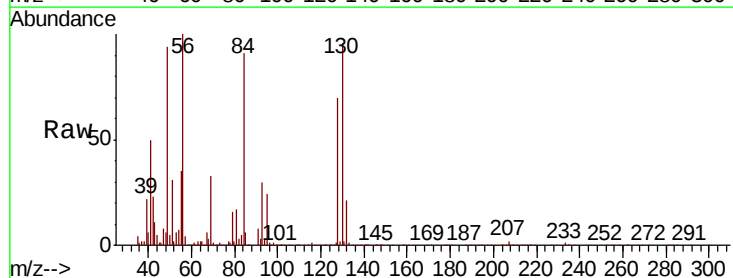
Tot Ion	Ratio	Lower	Upper
96	100		
61	111.4	0.0	237.4
98	64.9	0.0	129.0

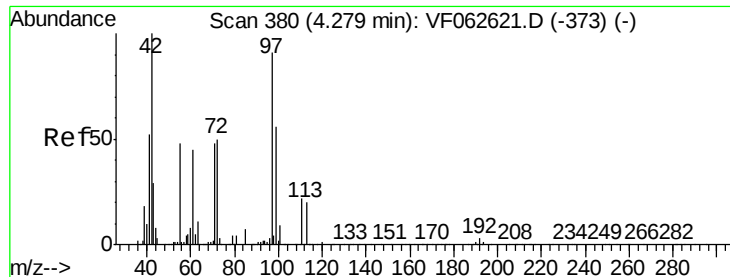


#28

Bromochloromethane
Concen: 41.930 ug/l
RT: 3.90 min Scan# 341
Delta R.T. -0.01 min
Lab File: VF062675.D
Acq: 21 May 2019 10:21

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	4.0
130	101.3	77.8	116.8

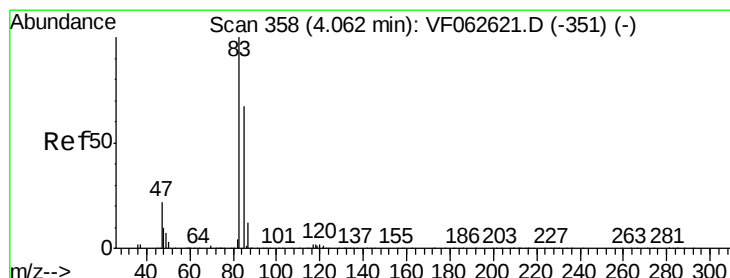
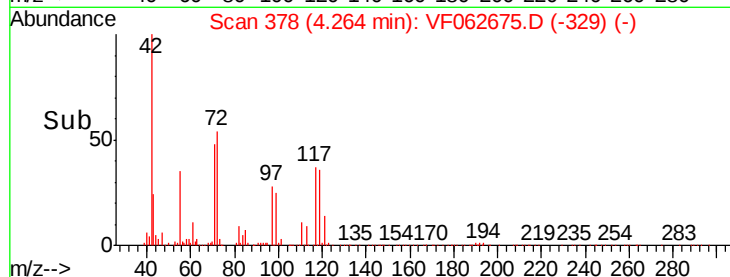
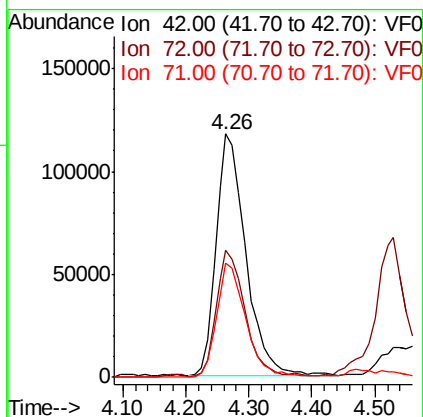
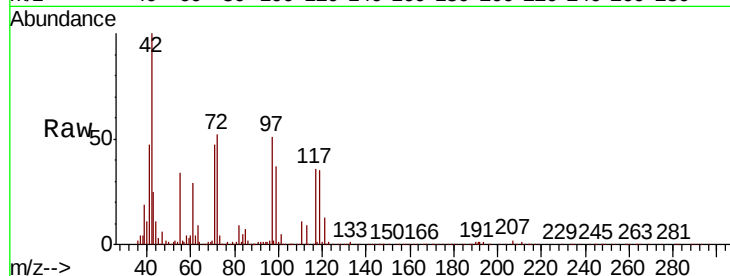




#29
Tetrahydrofuran
Concen: 260.759 ug/l
RT: 4.26 min Scan# 378
Delta R.T. -0.01 min
Lab File: VF062675.D
Acq: 21 May 2019 10:21

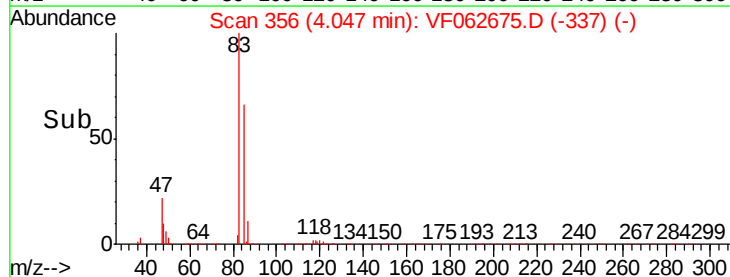
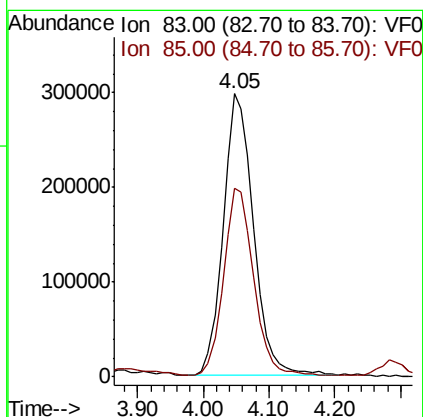
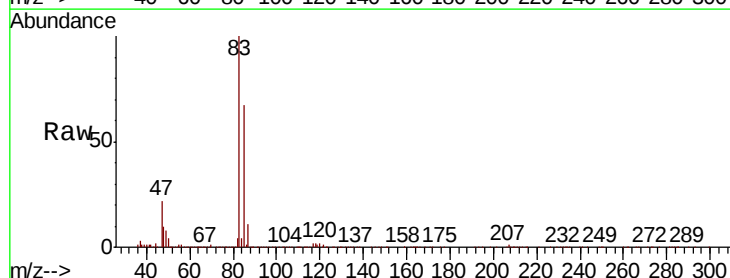
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

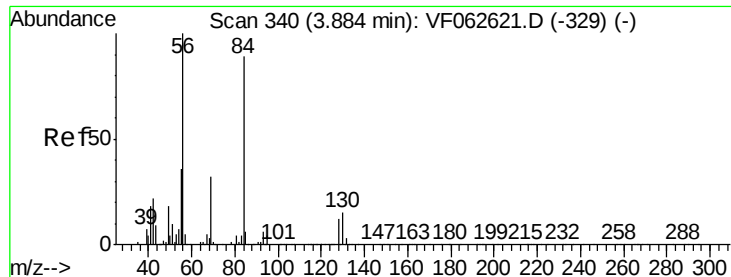
Tot Ion	Ratio	Lower	Upper
42	100		
72	50.0	38.2	57.2
71	46.4	35.8	53.6



#30
Chloroform
Concen: 49.540 ug/l
RT: 4.05 min Scan# 356
Delta R.T. -0.01 min
Lab File: VF062675.D
Acq: 21 May 2019 10:21

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.8	53.6	80.4





#31

Cyclohexane

Concen: 45.870 ug/l

RT: 3.87 min Scan# 338

Delta R.T. -0.01 min

Lab File: VF062675.D

Acq: 21 May 2019 10:21

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

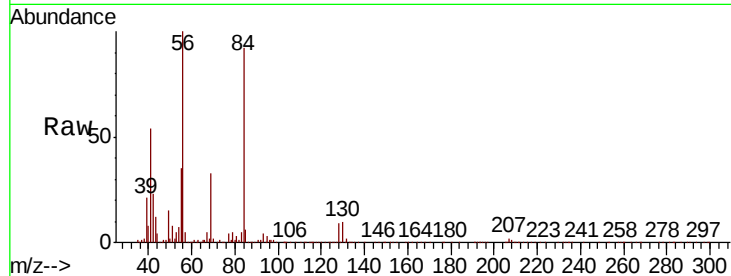
Tot Ion: 56 Resp: 850684

Ion Ratio Lower Upper

56 100

69 33.3 25.3 37.9

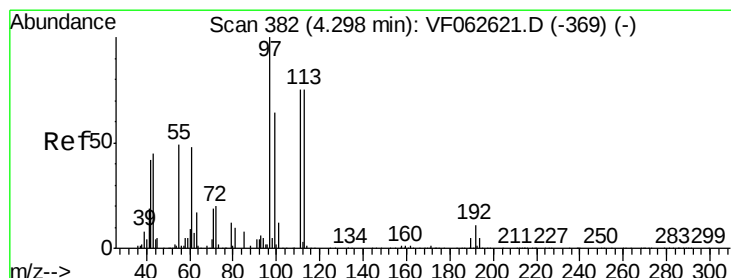
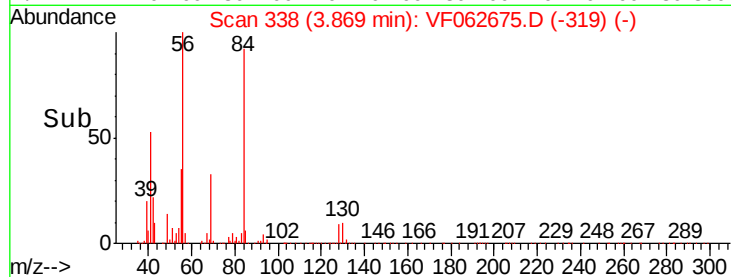
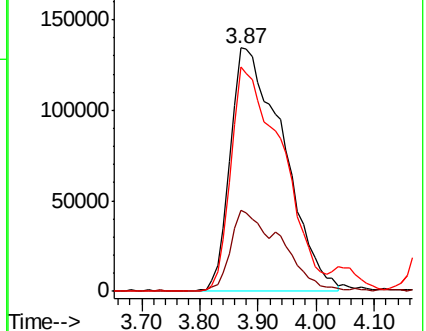
84 91.9 71.0 106.4



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: 50.139 ug/l

RT: 4.29 min Scan# 381

Delta R.T. -0.00 min

Lab File: VF062675.D

Acq: 21 May 2019 10:21

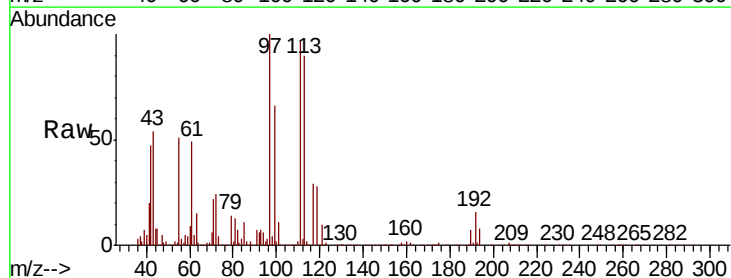
Tgt Ion: 97 Resp: 638556

Ion Ratio Lower Upper

97 100

99 66.1 51.3 76.9

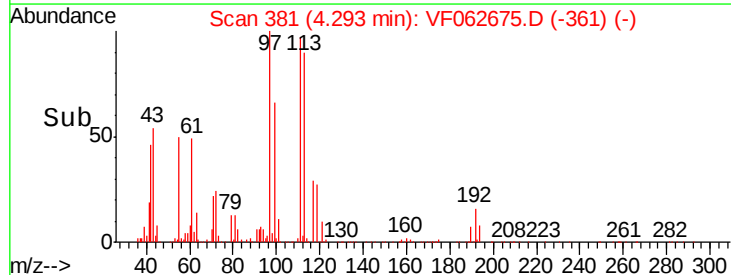
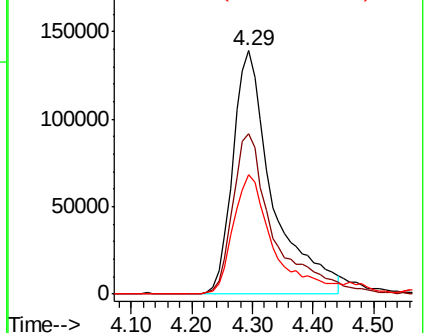
61 49.2 38.2 57.2

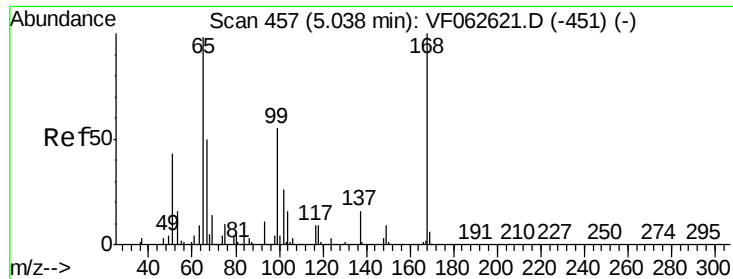


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#33

1,2-Dichloroethane-d4

Concen: 46.980 ug/l

RT: 5.03 min Scan# 456

Delta R.T. -0.00 min

Lab File: VF062675.D

Acq: 21 May 2019 10:21

Instrument :

MSVOA_F

ClientSampleId :

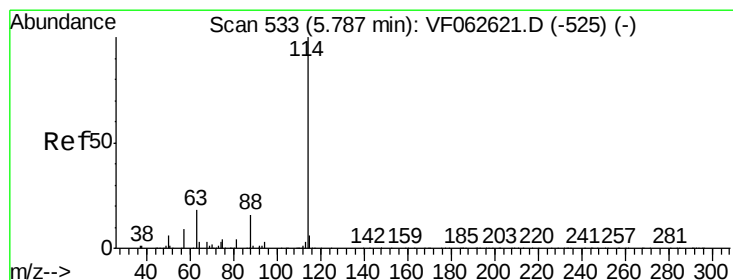
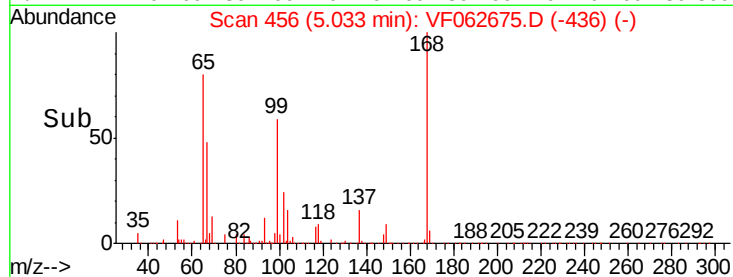
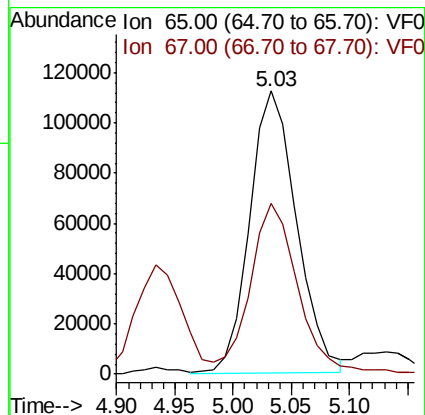
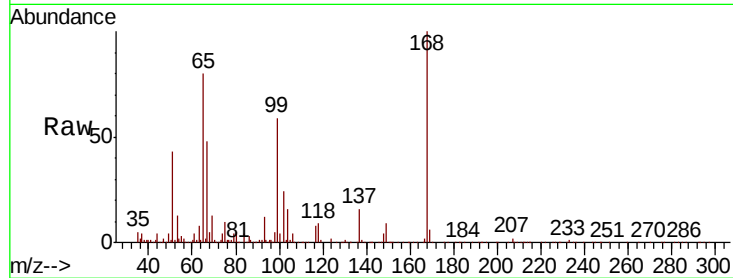
VSTDCCC050

Tot Ion: 65 Resp: 311709

Ion Ratio Lower Upper

65 100

67 60.3 0.0 117.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.77 min Scan# 531

Delta R.T. -0.01 min

Lab File: VF062675.D

Acq: 21 May 2019 10:21

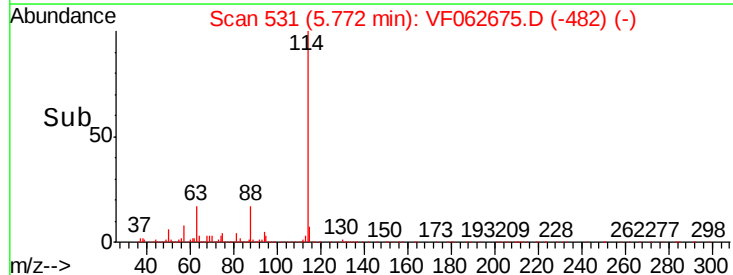
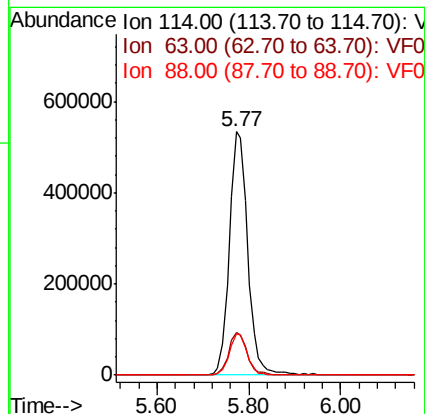
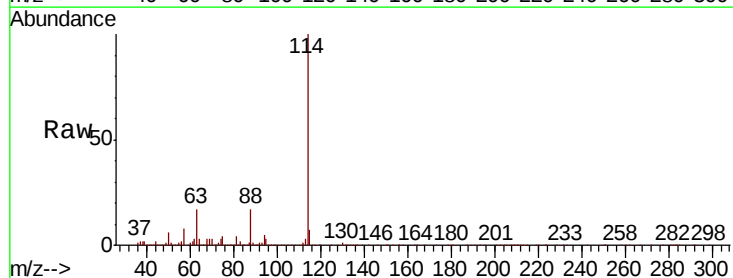
Tgt Ion: 114 Resp: 1489740

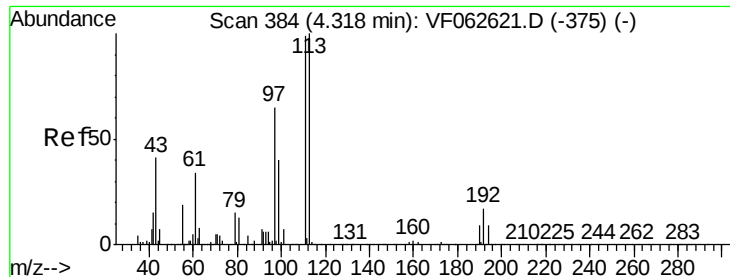
Ion Ratio Lower Upper

114 100

63 17.4 0.0 35.4

88 16.8 0.0 32.4

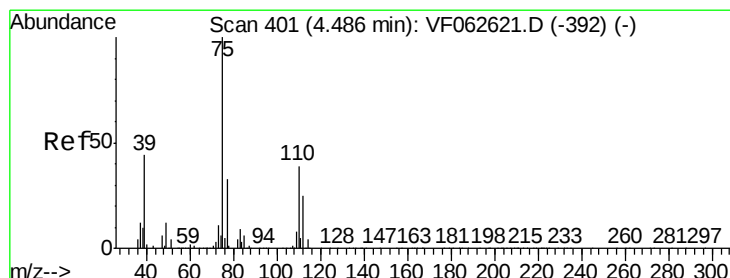
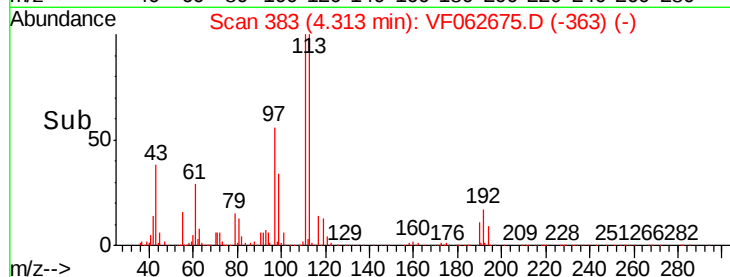
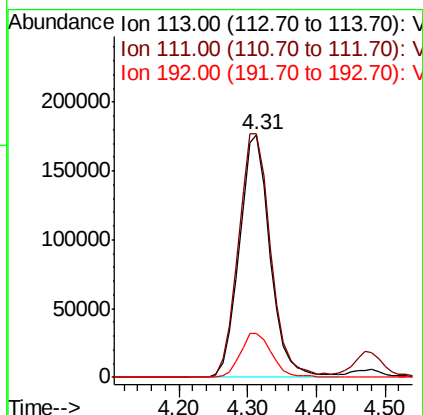
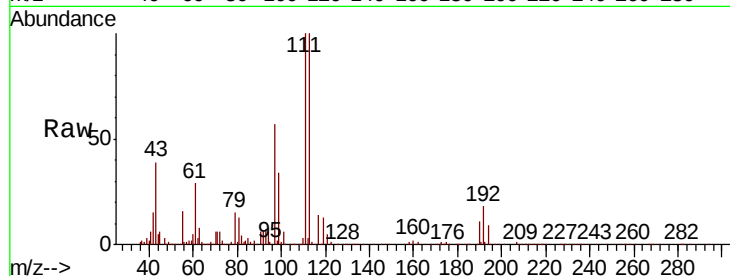




#35
 Dibromofluoromethane
 Concen: 48.079 ug/l
 RT: 4.31 min Scan# 383
 Delta R.T. -0.01 min
 Lab File: VF062675.D
 Acq: 21 May 2019 10:21

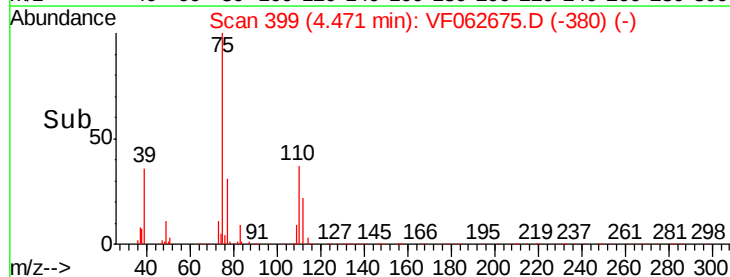
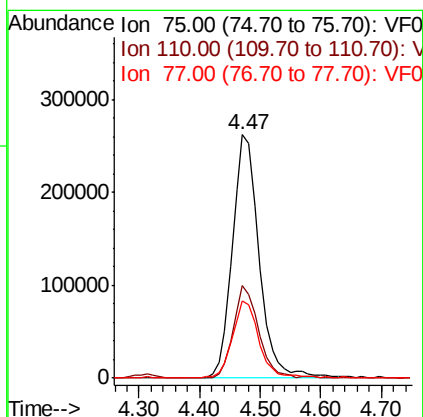
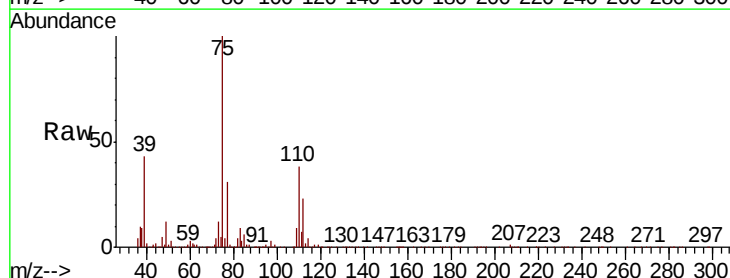
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

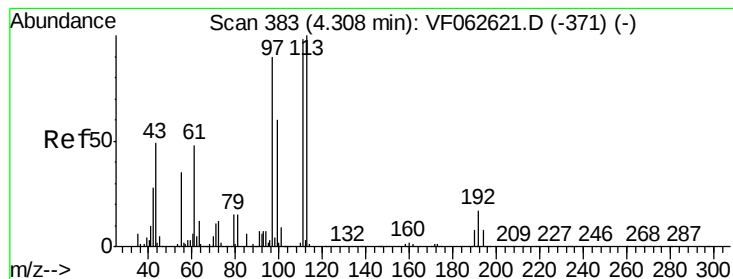
Tot Ion	Ratio	Lower	Upper
113	100		
111	100.3	79.4	119.2
192	18.1	13.4	20.2



#36
 1,1-Dichloropropene
 Concen: 52.685 ug/l
 RT: 4.47 min Scan# 399
 Delta R.T. -0.01 min
 Lab File: VF062675.D
 Acq: 21 May 2019 10:21

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.9	19.7	59.1
77	31.5	26.3	39.5





#37

Ethyl Acetate

Concen: 50.570 ug/l

RT: 4.30 min Scan# 382

Delta R.T. -0.00 min

Lab File: VF062675.D

Acq: 21 May 2019 10:21

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

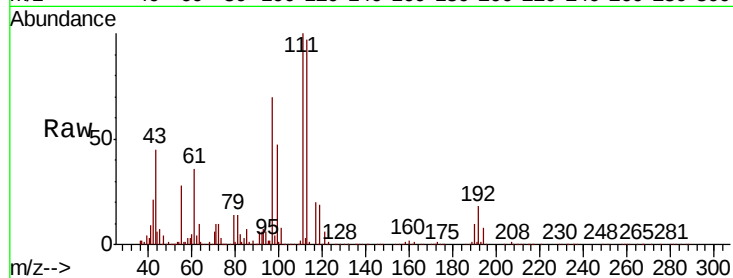
Tot Ion: 43 Resp: 315194

Ion Ratio Lower Upper

43 100

61 80.3 76.9 115.3

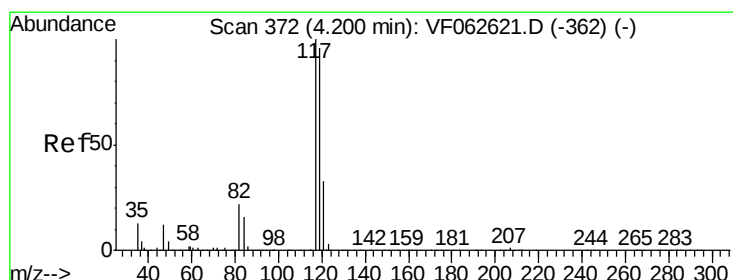
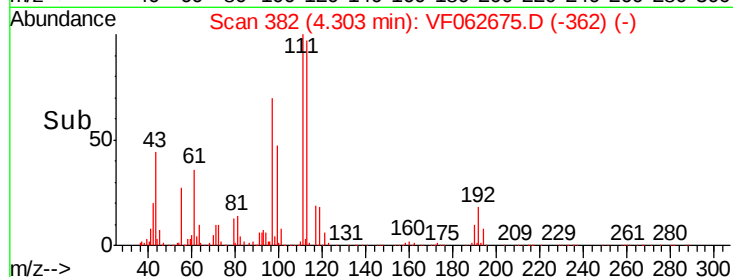
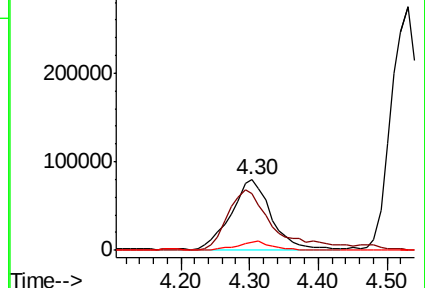
70 12.3 8.8 13.2



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: 50.434 ug/l

RT: 4.18 min Scan# 370

Delta R.T. -0.01 min

Lab File: VF062675.D

Acq: 21 May 2019 10:21

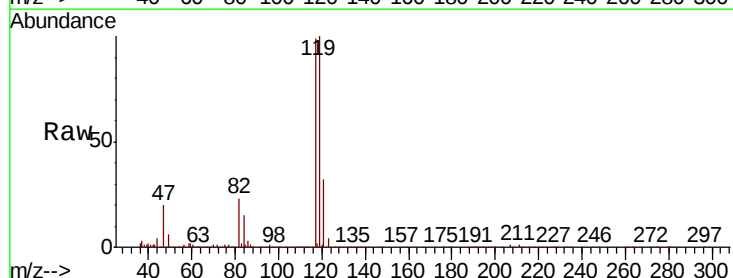
Tgt Ion:117 Resp: 579009

Ion Ratio Lower Upper

117 100

119 100.5 76.7 115.1

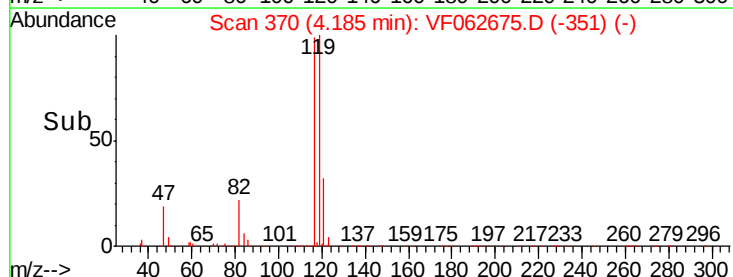
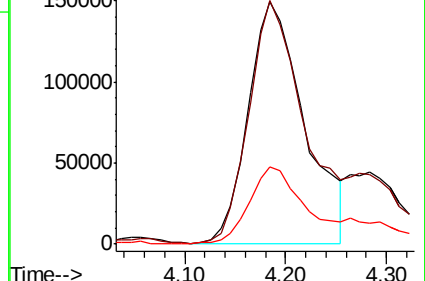
121 31.8 26.6 40.0

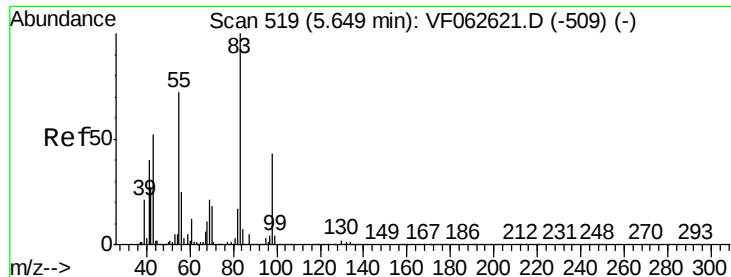


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V

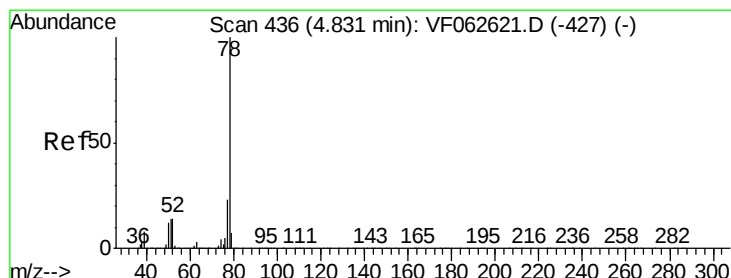
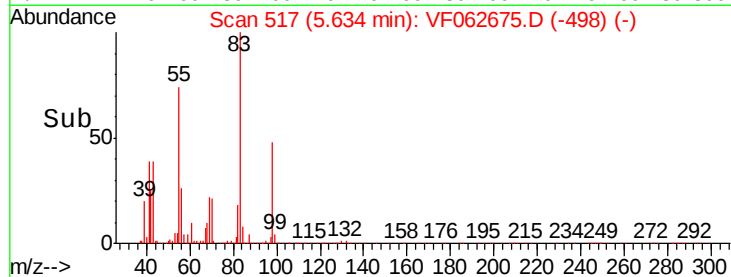
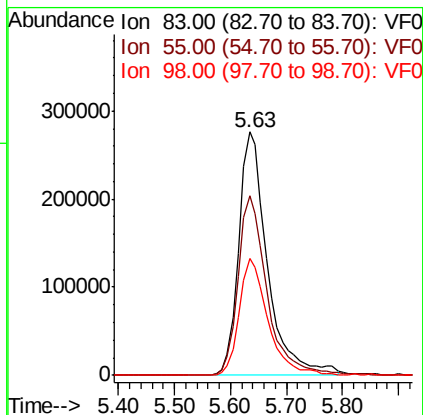
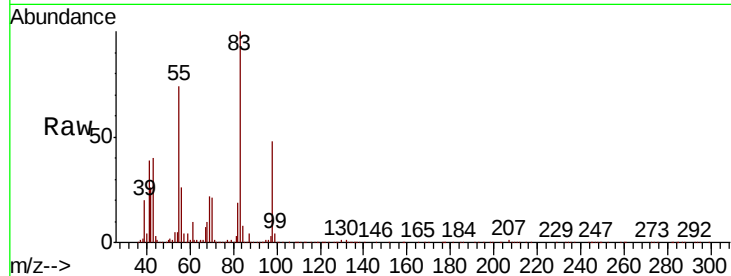




#39
Methvlcvclohexane
Concen: 53.414 ug/l
RT: 5.63 min Scan# 517
Delta R.T. -0.01 min
Lab File: VF062675.D
Acq: 21 May 2019 10:21

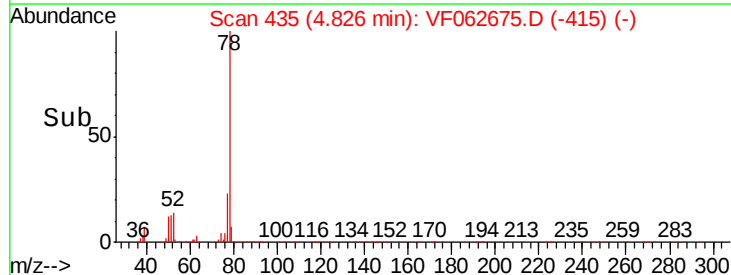
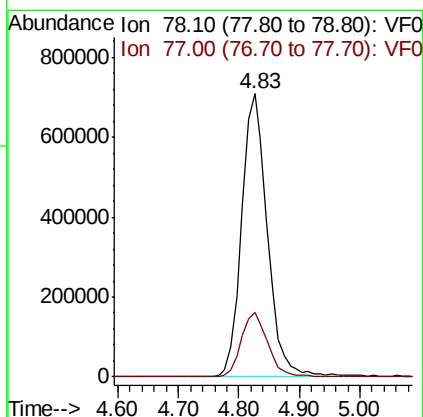
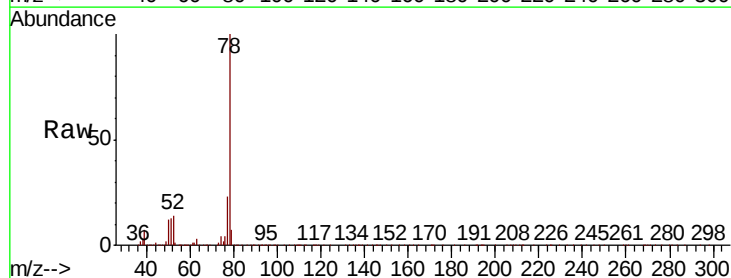
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

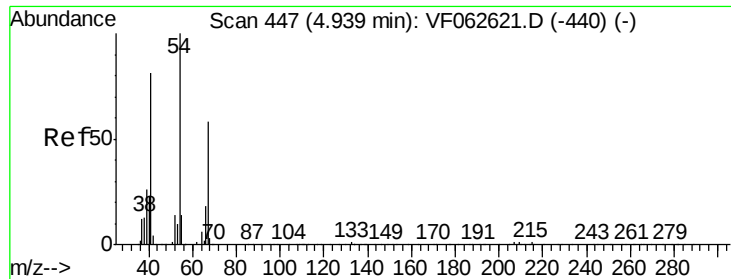
Tot Ion: 83 Resp: 981109
Ion Ratio Lower Upper
83 100
55 73.8 57.9 86.9
98 48.0 34.6 52.0



#40
Benzene
Concen: 50.127 ug/l
RT: 4.83 min Scan# 435
Delta R.T. -0.00 min
Lab File: VF062675.D
Acq: 21 May 2019 10:21

Tgt Ion: 78 Resp: 2084605
Ion Ratio Lower Upper
78 100
77 23.0 18.2 27.2

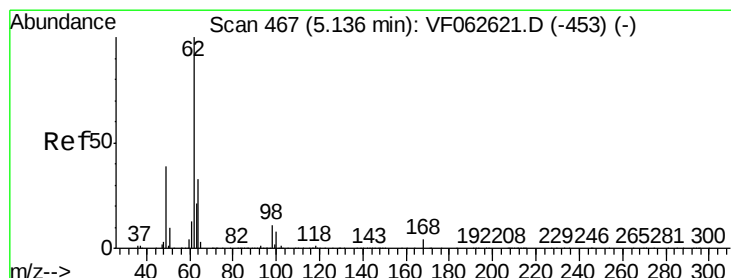
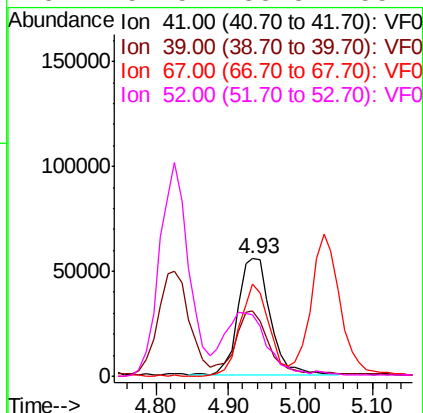
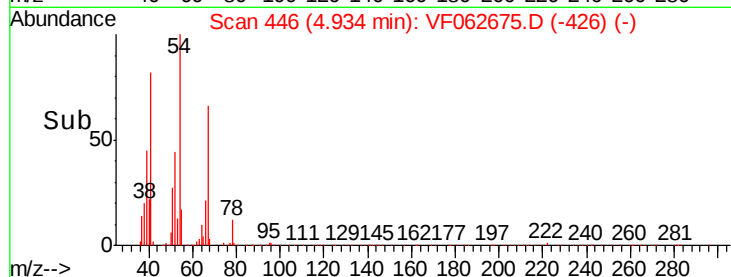
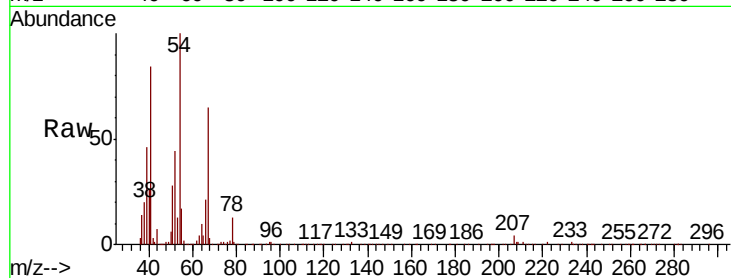




#41
Methacrylonitrile
Concen: 52.992 ug/l
RT: 4.93 min Scan# 446
Delta R.T. -0.00 min
Lab File: VF062675.D
Acq: 21 May 2019 10:21

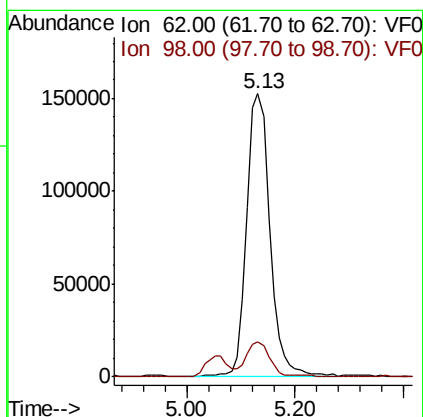
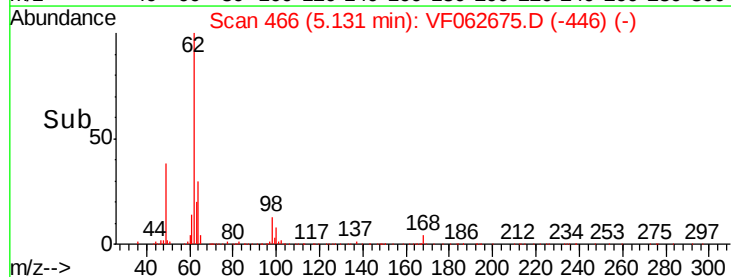
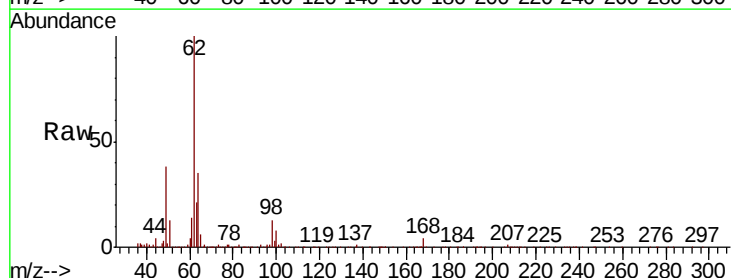
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

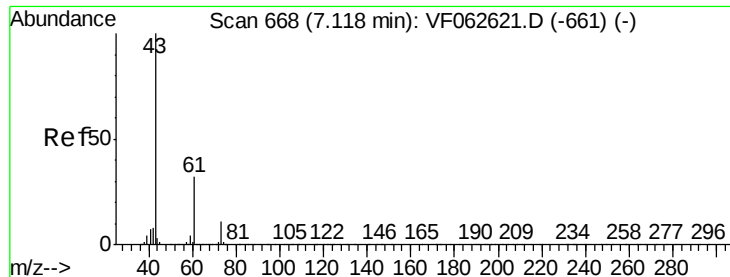
Tot Ion:	41	Resp:	173163
Ion	Ratio	Lower	Upper
41	100		
39	55.2	42.2	63.2
67	78.1	56.4	84.6
52	52.5	38.8	58.2



#42
1,2-Dichloroethane
Concen: 55.114 ug/l
RT: 5.13 min Scan# 466
Delta R.T. -0.00 min
Lab File: VF062675.D
Acq: 21 May 2019 10:21

Tgt Ion:	62	Resp:	457061
Ion	Ratio	Lower	Upper
62	100		
98	12.6	0.0	21.6



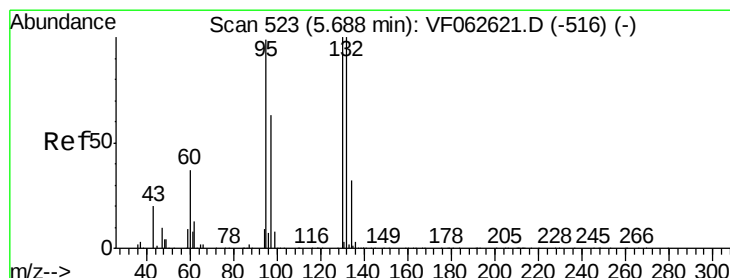
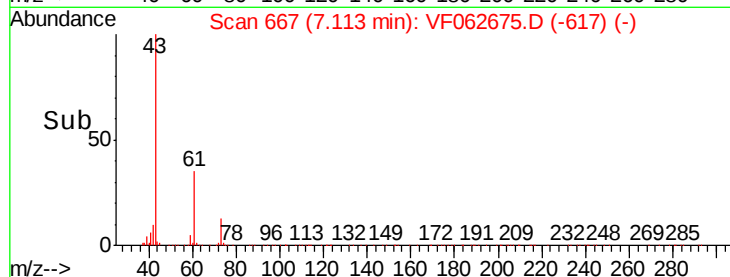
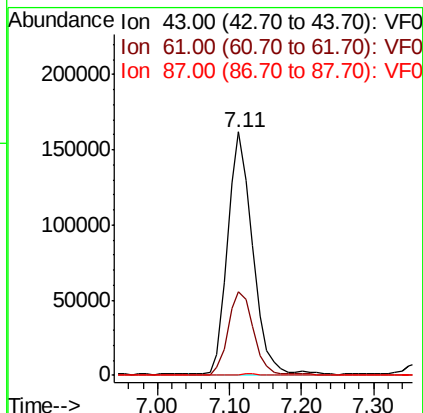
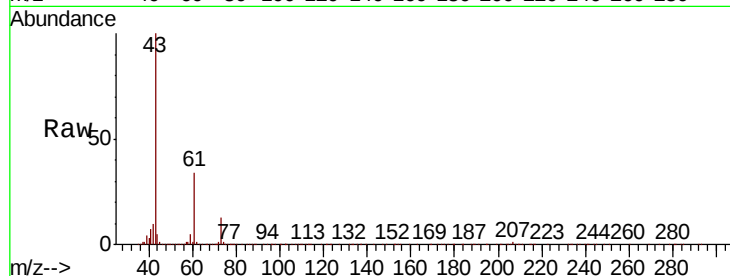


#43

Isopropyl Acetate
 Concen: 48.212 ug/l
 RT: 7.11 min Scan# 667
 Delta R.T. -0.00 min
 Lab File: VF062675.D
 Acq: 21 May 2019 10:21

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

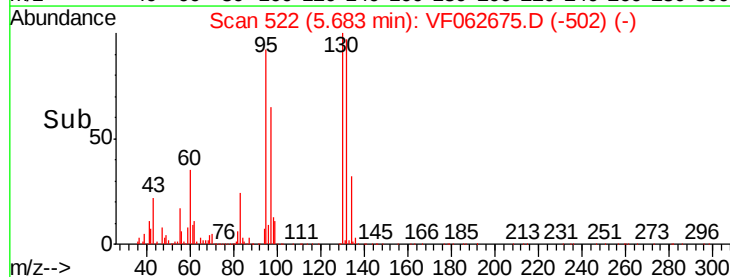
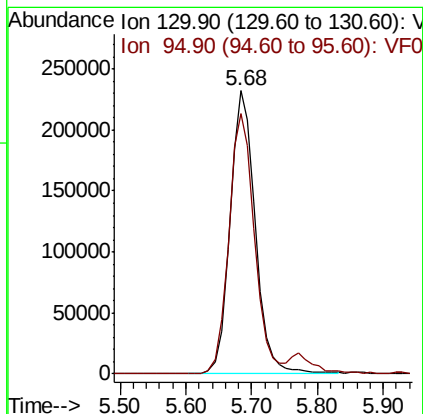
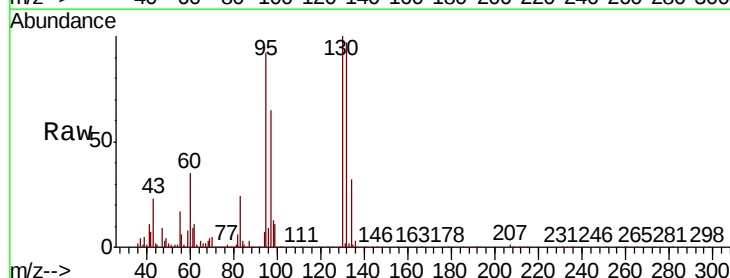
Tot Ion: 43 Resp: 389307
 Ion Ratio Lower Upper
 43 100
 61 34.3 25.8 38.8
 87 0.3 0.4 0.6#

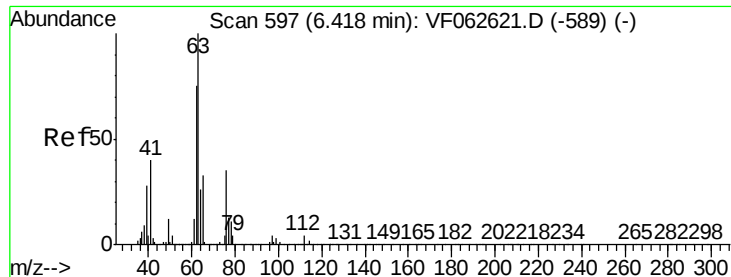


#44

Trichloroethene
 Concen: 53.384 ug/l
 RT: 5.68 min Scan# 522
 Delta R.T. -0.00 min
 Lab File: VF062675.D
 Acq: 21 May 2019 10:21

Tgt Ion:130 Resp: 623953
 Ion Ratio Lower Upper
 130 100
 95 91.9 0.0 199.4





#45

1,2-Dichloropropane

Concen: 51.252 ug/l

RT: 6.41 min Scan# 596

Delta R.T. -0.00 min

Lab File: VF062675.D

Acq: 21 May 2019 10:21

Instrument :

MSVOA_F

ClientSampleId :

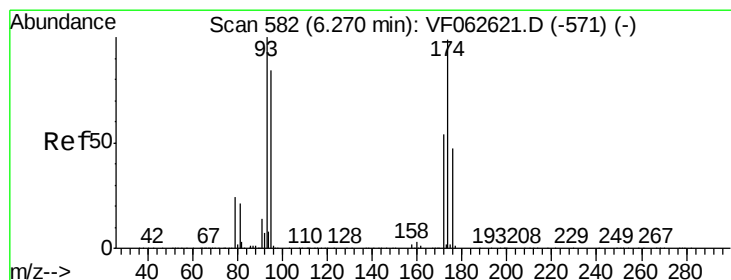
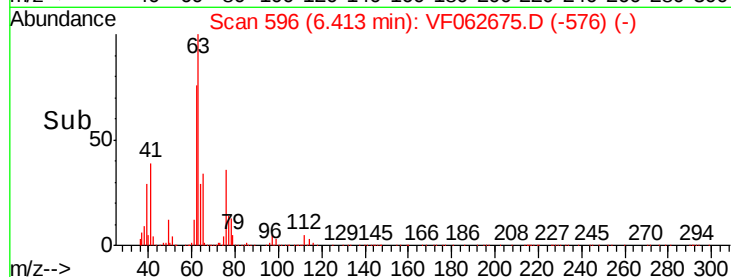
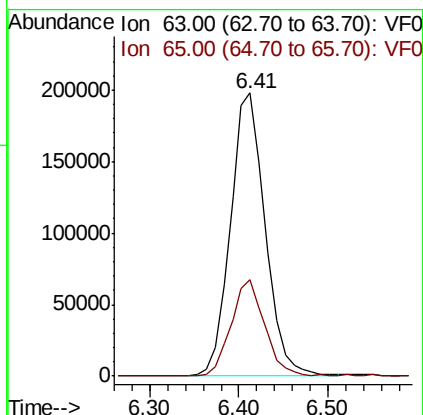
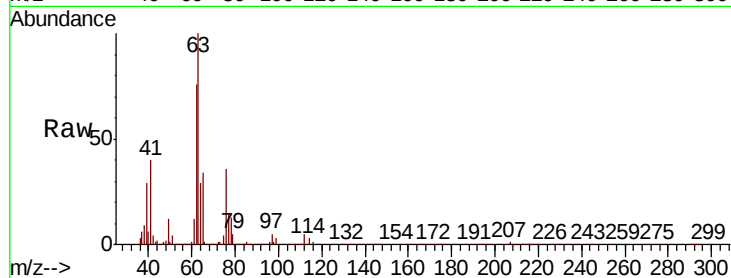
VSTDCCC050

Tot Ion: 63 Resp: 538042

Ion Ratio Lower Upper

63 100

65 34.0 26.3 39.5



#46

Dibromomethane

Concen: 56.397 ug/l

RT: 6.26 min Scan# 581

Delta R.T. -0.01 min

Lab File: VF062675.D

Acq: 21 May 2019 10:21

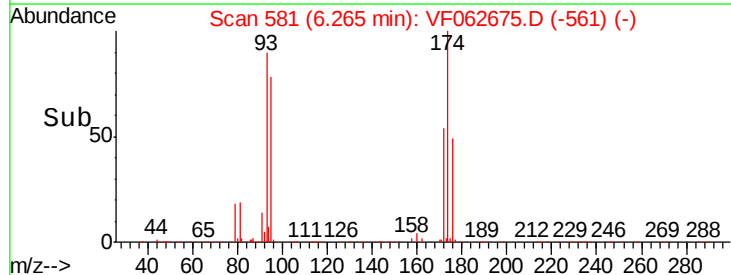
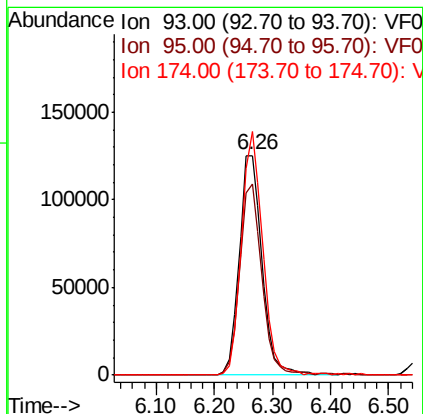
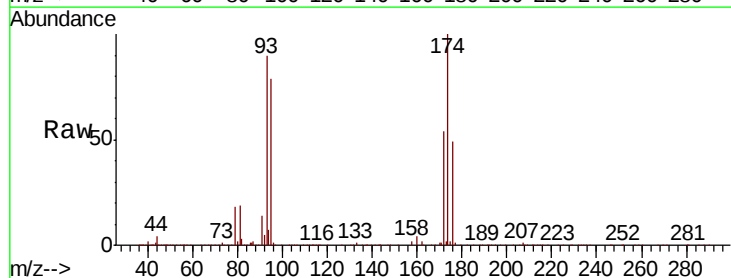
Tgt Ion: 93 Resp: 342164

Ion Ratio Lower Upper

93 100

95 87.1 67.4 101.2

174 110.8 79.4 119.2





#47

Bromodichloromethane

Concen: 54.965 ug/l

RT: 6.55 min Scan# 610

Delta R.T. -0.01 min

Lab File: VF062675.D

Acq: 21 May 2019 10:21

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

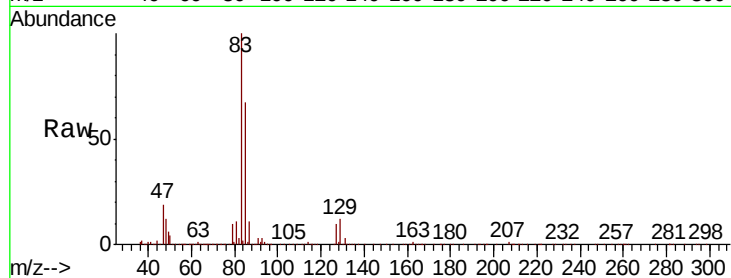
Tot Ion: 83 Resp: 692299

Ion Ratio Lower Upper

83 100

85 66.7 52.0 78.0

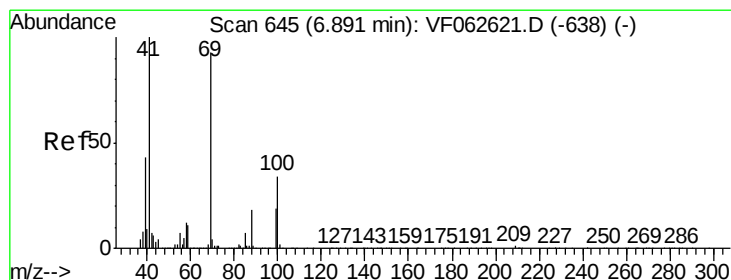
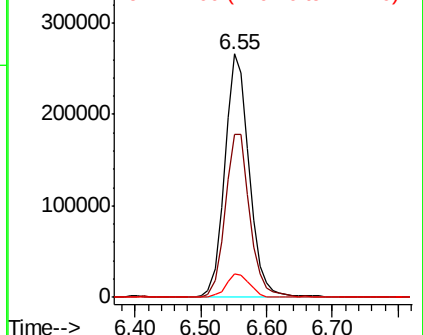
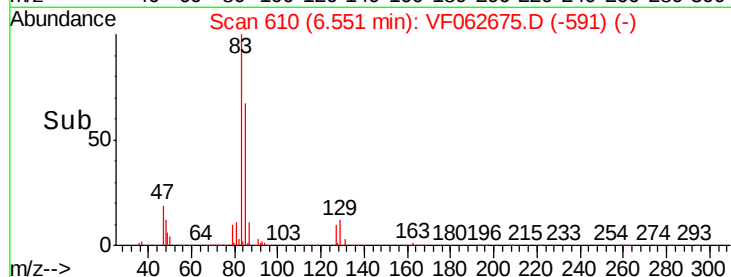
127 9.7 7.7 11.5



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: 53.223 ug/l

RT: 6.88 min Scan# 643

Delta R.T. -0.01 min

Lab File: VF062675.D

Acq: 21 May 2019 10:21

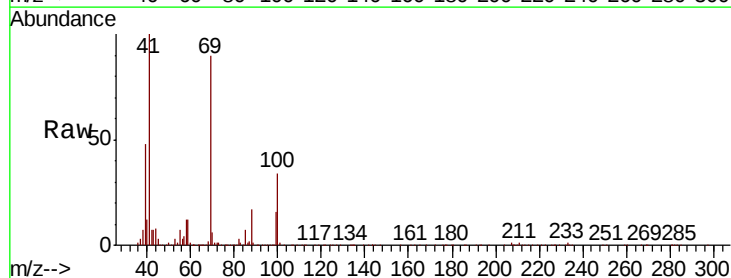
Tgt Ion: 41 Resp: 224634

Ion Ratio Lower Upper

41 100

69 90.4 74.2 111.2

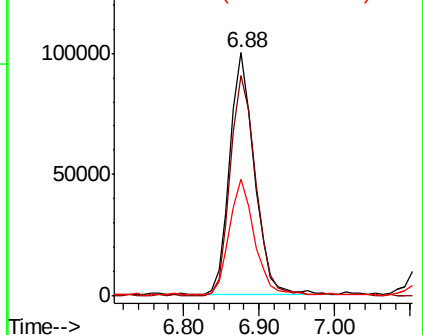
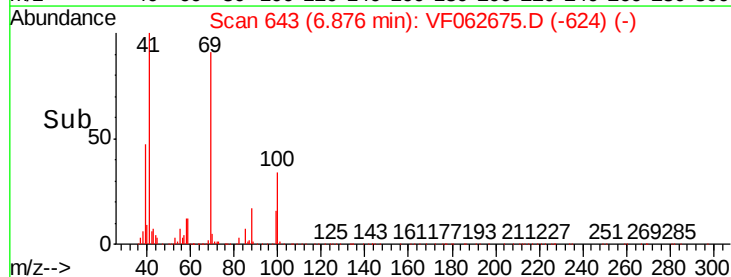
39 48.0 34.2 51.4

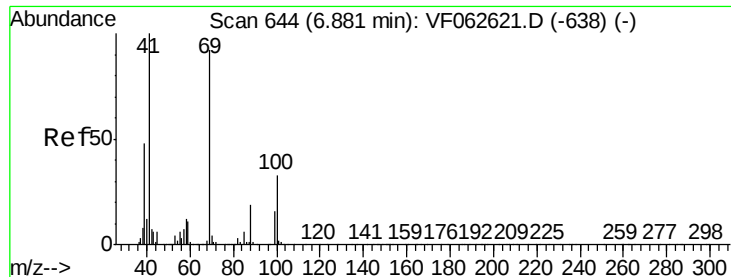


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 1065.709 ug/l

RT: 6.88 min Scan# 643

Delta R.T. -0.00 min

Lab File: VF062675.D

Acq: 21 May 2019 10:21

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

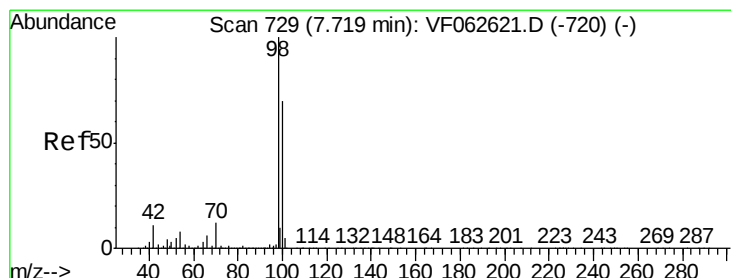
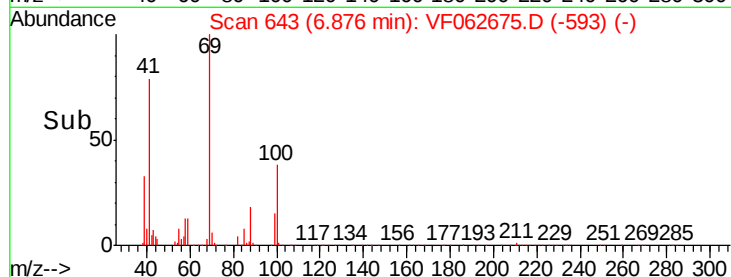
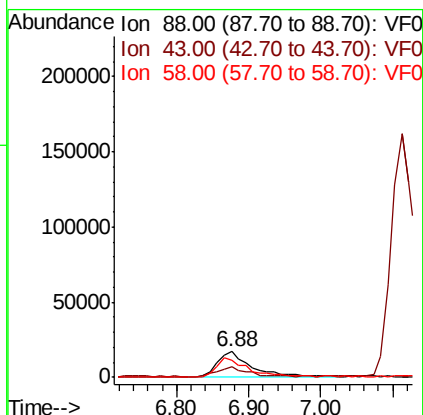
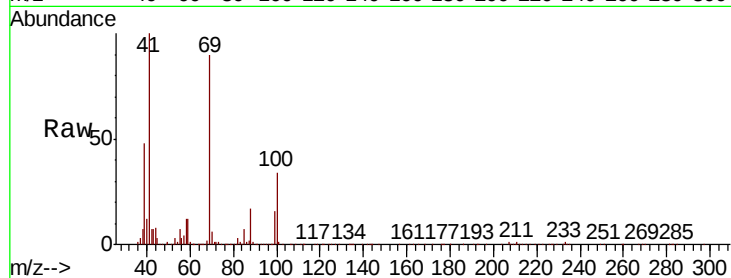
Tot Ion: 88 Resp: 57609

Ion Ratio Lower Upper

88 100

43 42.5 30.0 45.0

58 68.5 51.1 76.7



#50

Toluene-d8

Concen: 47.831 ug/l

RT: 7.71 min Scan# 728

Delta R.T. -0.00 min

Lab File: VF062675.D

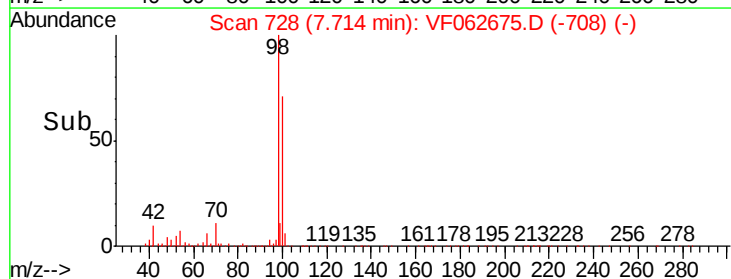
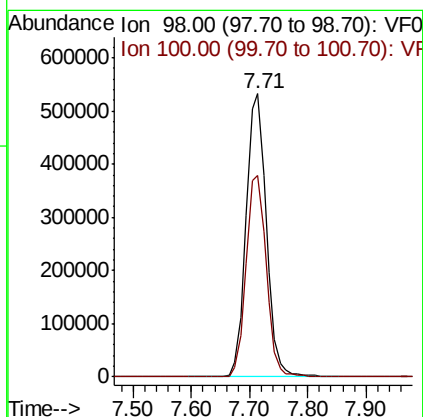
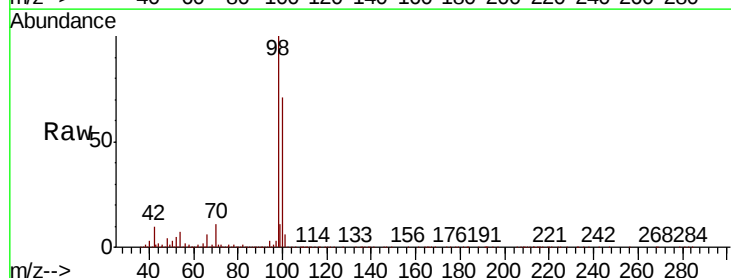
Acq: 21 May 2019 10:21

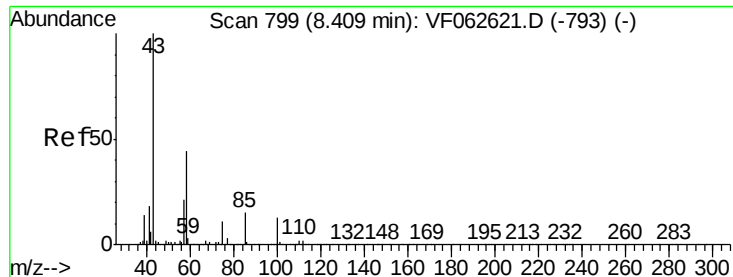
Tgt Ion: 98 Resp: 1301859

Ion Ratio Lower Upper

98 100

100 71.2 56.2 84.2





#51

4-Methyl-2-Pentanone

Concen: 254.188 ug/l

RT: 8.40 min Scan# 798

Delta R.T. -0.00 min

Lab File: VF062675.D

Acq: 21 May 2019 10:21

Instrument :

MSVOA_F

ClientSampleId :

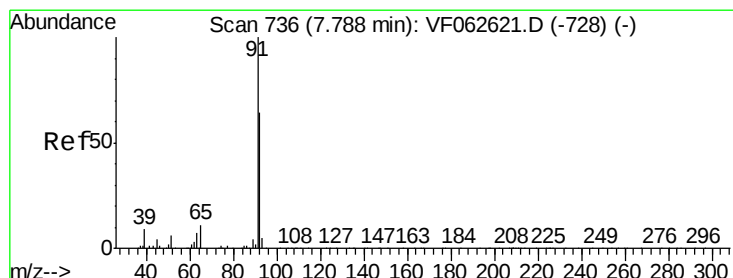
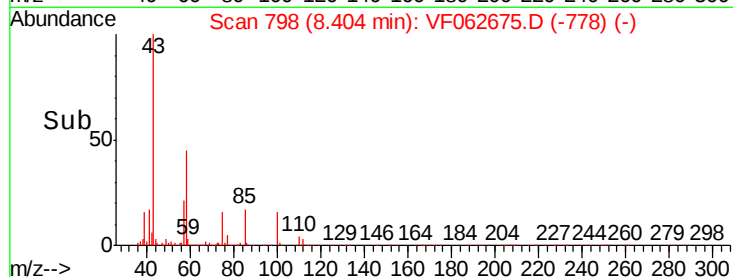
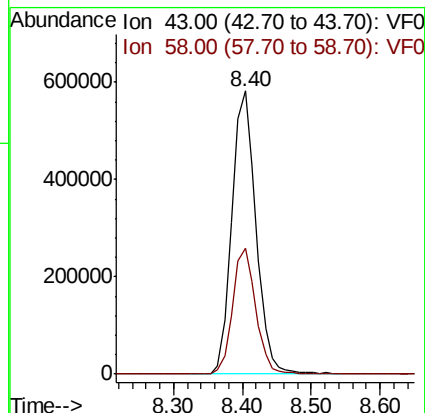
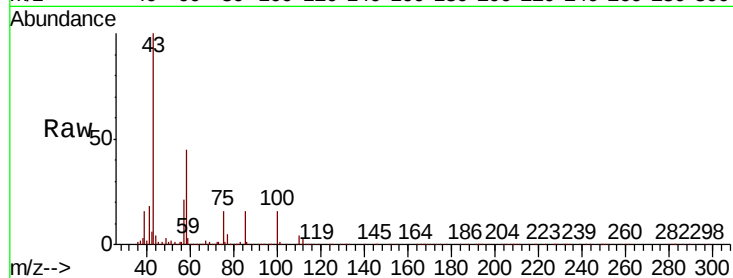
VSTDCCC050

Tot Ion: 43 Resp: 1402981

Ion Ratio Lower Upper

43 100

58 44.7 34.9 52.3



#52

Toluene

Concen: 53.204 ug/l

RT: 7.78 min Scan# 735

Delta R.T. -0.00 min

Lab File: VF062675.D

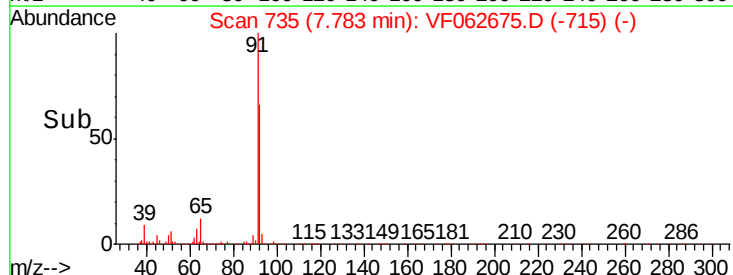
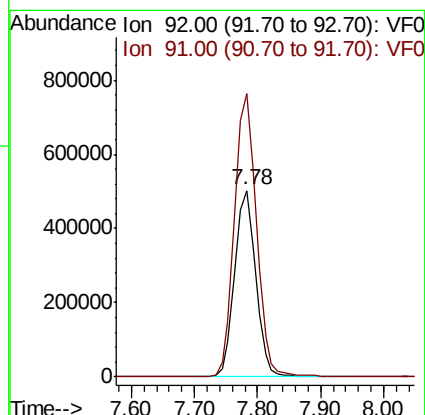
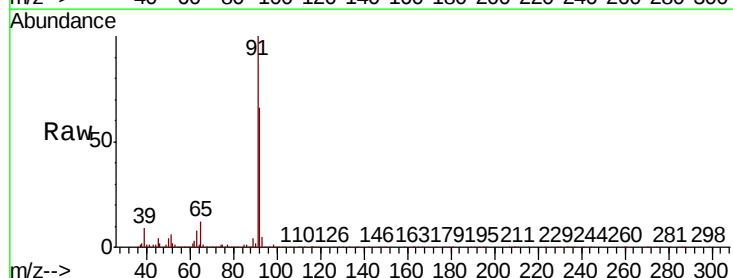
Acq: 21 May 2019 10:21

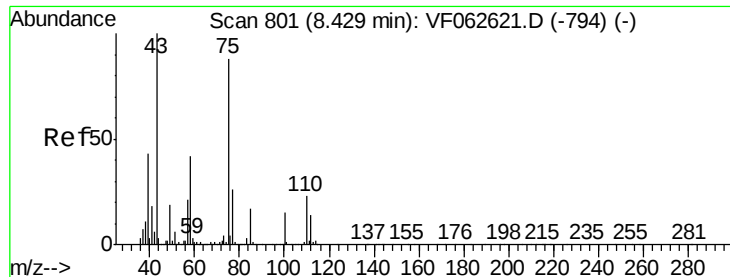
Tgt Ion: 92 Resp: 1160371

Ion Ratio Lower Upper

92 100

91 151.7 125.4 188.0

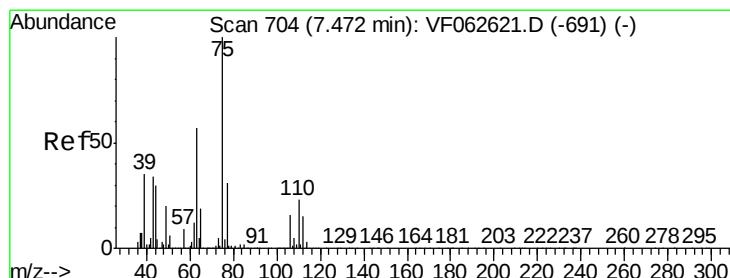
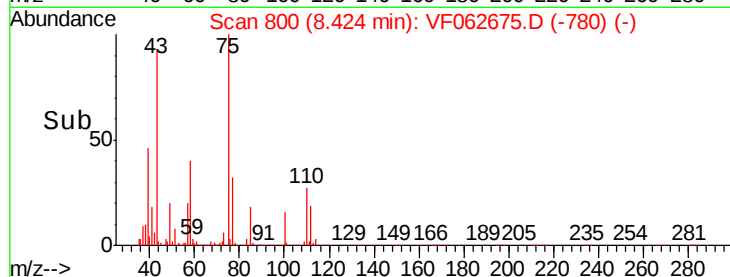
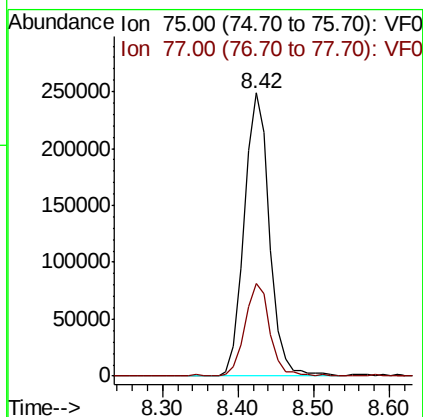
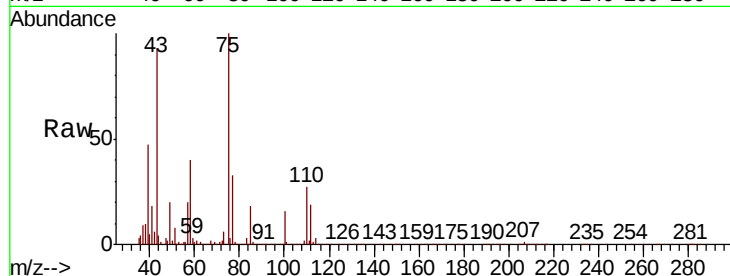




#53
t-1,3-Dichloropropene
Concen: 55.732 ug/l
RT: 8.42 min Scan# 800
Delta R.T. -0.01 min
Lab File: VF062675.D
Acq: 21 May 2019 10:21

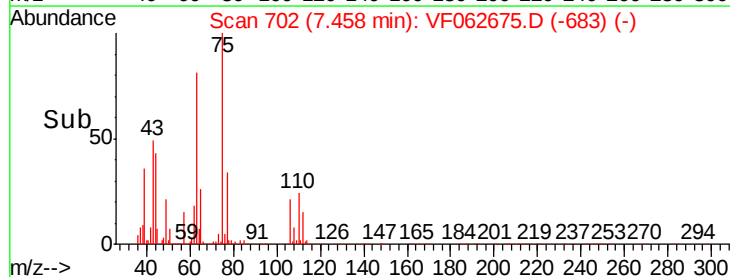
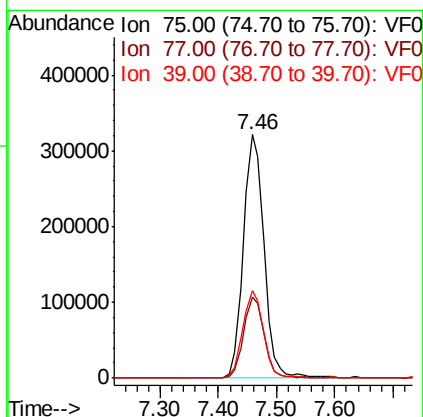
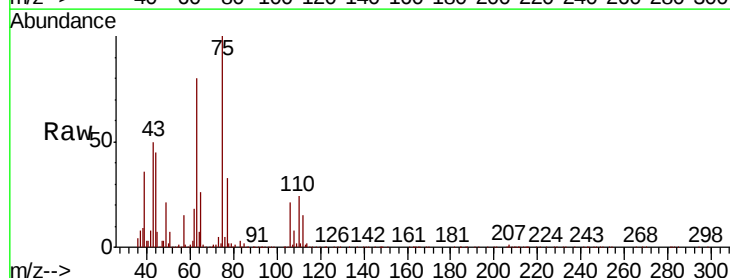
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

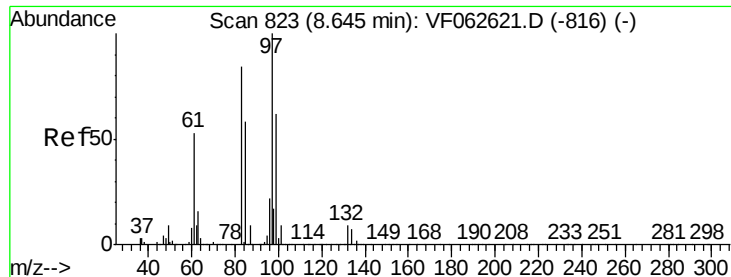
Tot Ion: 75 Resp: 574284
Ion Ratio Lower Upper
75 100
77 32.5 24.2 36.4



#54
cis-1,3-Dichloropropene
Concen: 55.164 ug/l
RT: 7.46 min Scan# 702
Delta R.T. -0.01 min
Lab File: VF062675.D
Acq: 21 May 2019 10:21

Tgt Ion: 75 Resp: 795713
Ion Ratio Lower Upper
75 100
77 33.5 25.3 37.9
39 36.1 28.2 42.2





#55

1,1,2-Trichloroethane

Concen: 54.251 ug/l

RT: 8.63 min Scan# 821

Delta R.T. -0.01 min

Lab File: VF062675.D

Acq: 21 May 2019 10:21

Instrument :

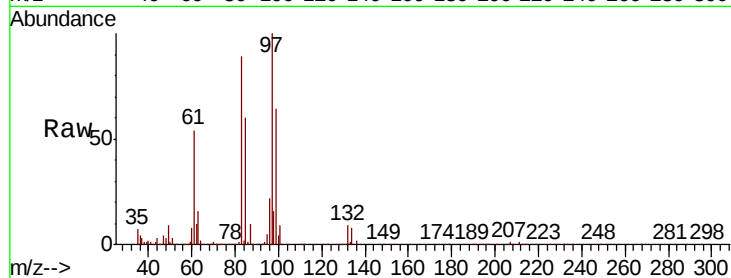
MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 350335

Ion	Ratio	Lower	Upper
97	100		
83	89.1	67.3	100.9
85	60.4	46.6	69.8
99	64.0	49.7	74.5

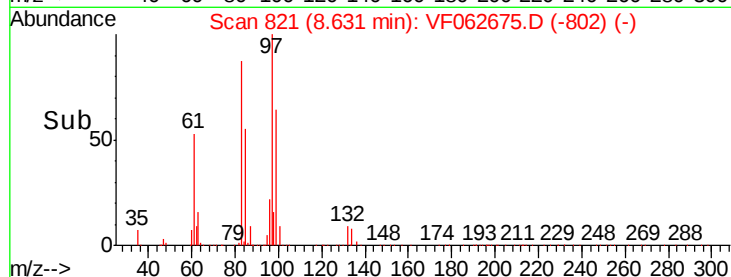


Abundance Ion 97.00 (96.70 to 97.70): VF0

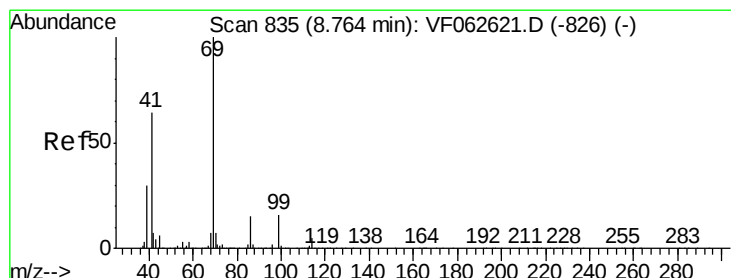
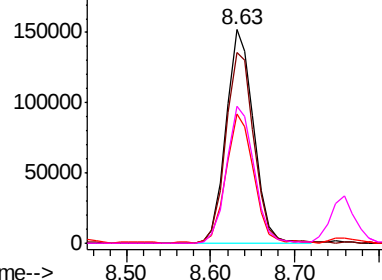
Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



Time-->



#56

Ethyl methacrylate

Concen: 50.535 ug/l

RT: 8.76 min Scan# 834

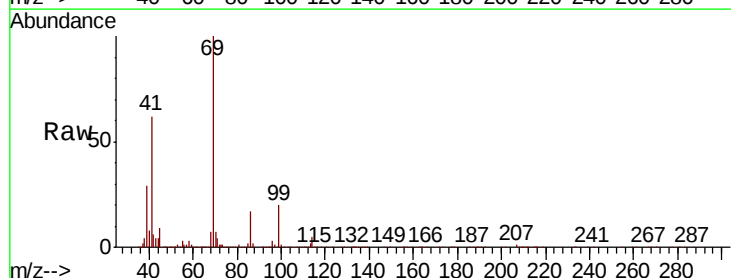
Delta R.T. -0.01 min

Lab File: VF062675.D

Acq: 21 May 2019 10:21

Tgt Ion: 69 Resp: 388786

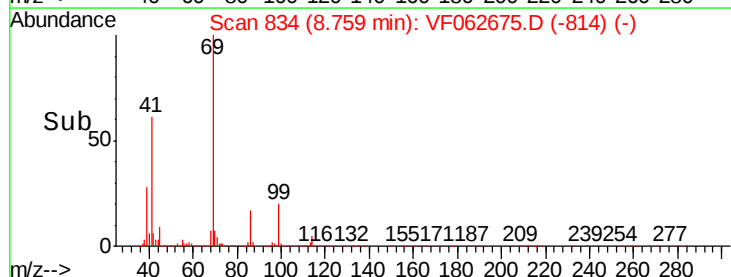
Ion	Ratio	Lower	Upper
69	100		
41	61.8	51.4	77.2
39	28.7	23.6	35.4



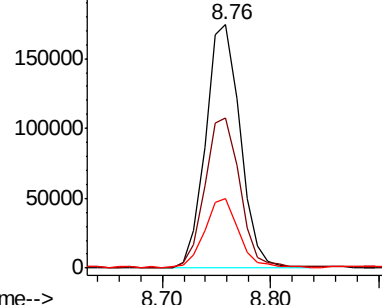
Abundance Ion 69.00 (68.70 to 69.70): VF0

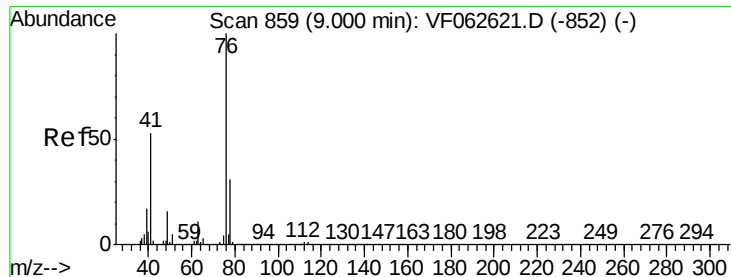
Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0



Time-->





#57

1,3-Dichloropropane

Concen: 53.325 ug/l

RT: 9.00 min Scan# 858

Delta R.T. -0.00 min

Lab File: VF062675.D

Acq: 21 May 2019 10:21

Instrument :

MSVOA_F

ClientSampleId :

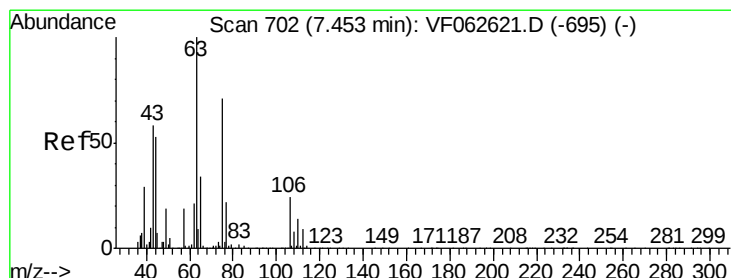
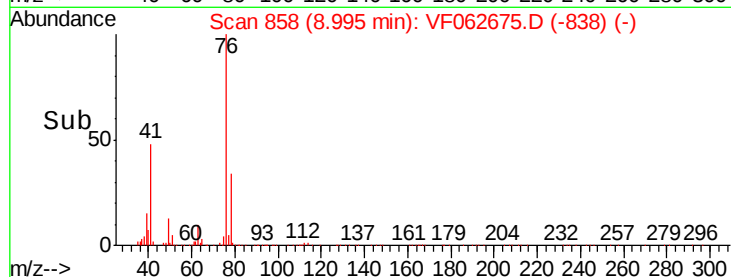
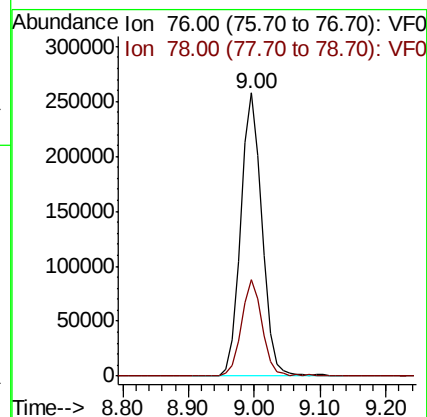
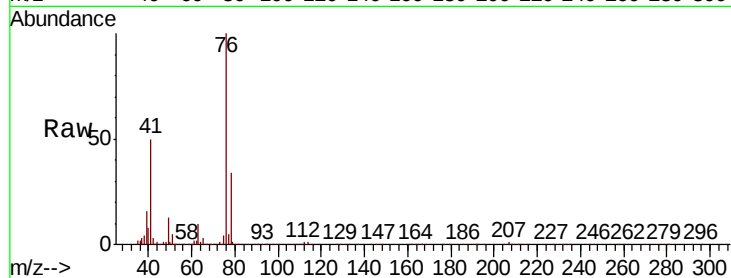
VSTDCCC050

Tot Ion: 76 Resp: 586538

Ion Ratio Lower Upper

76 100

78 34.0 25.4 38.0



#58

2-Chloroethyl Vinyl ether

Concen: 280.725 ug/l

RT: 7.45 min Scan# 701

Delta R.T. -0.00 min

Lab File: VF062675.D

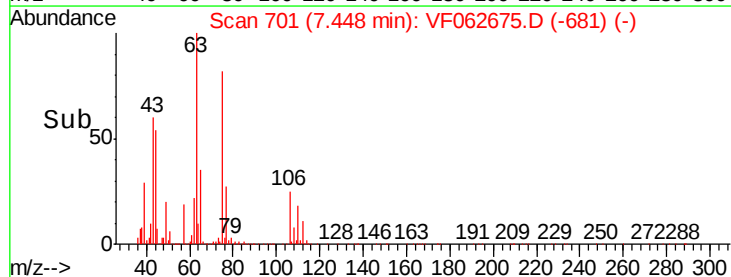
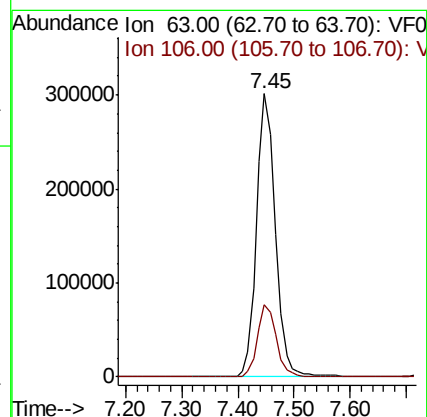
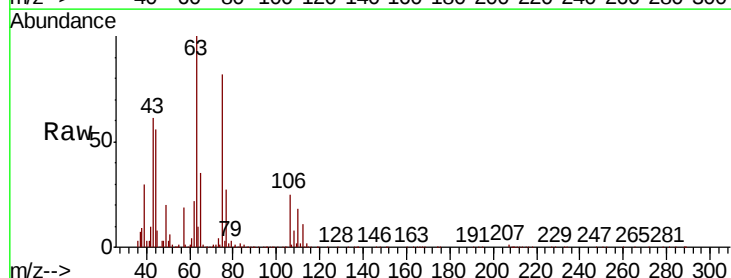
Acq: 21 May 2019 10:21

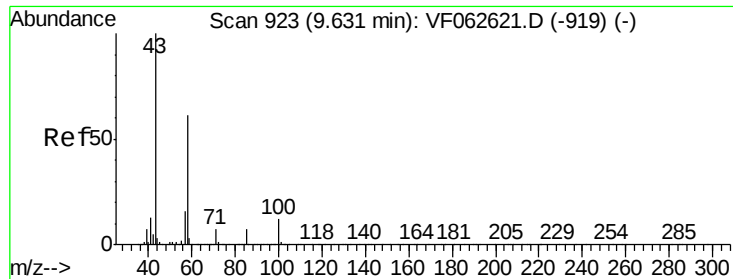
Tgt Ion: 63 Resp: 702999

Ion Ratio Lower Upper

63 100

106 25.3 19.1 28.7

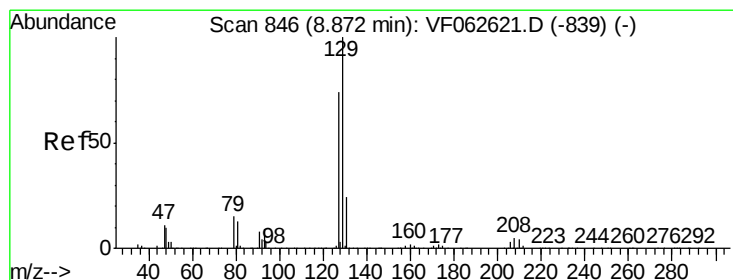
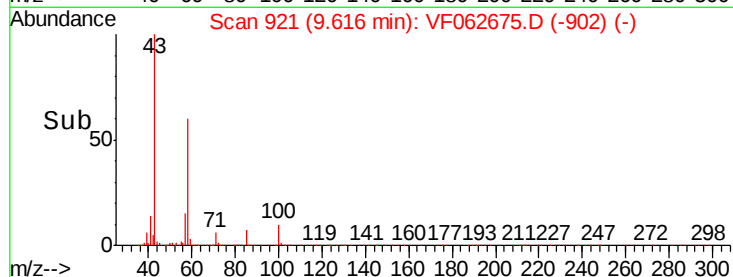
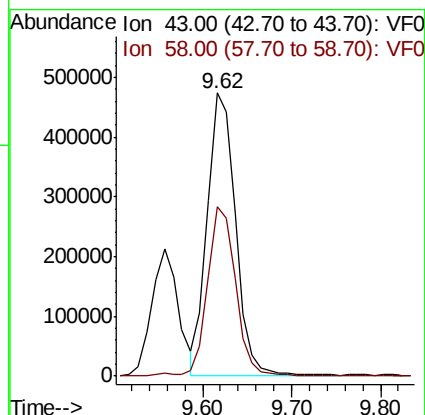
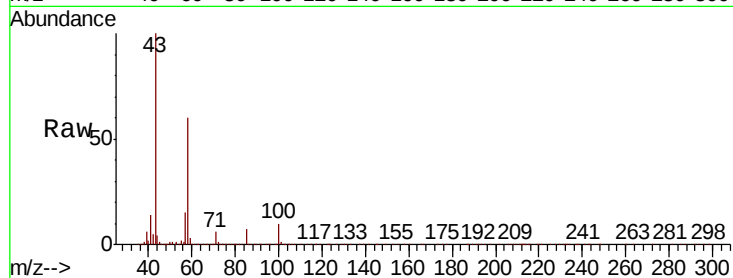




#59
2-Hexanone
Concen: 292.775 ug/l
RT: 9.62 min Scan# 921
Delta R.T. -0.01 min
Lab File: VF062675.D
Acq: 21 May 2019 10:21

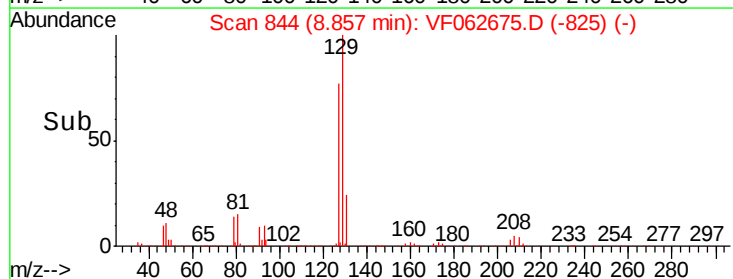
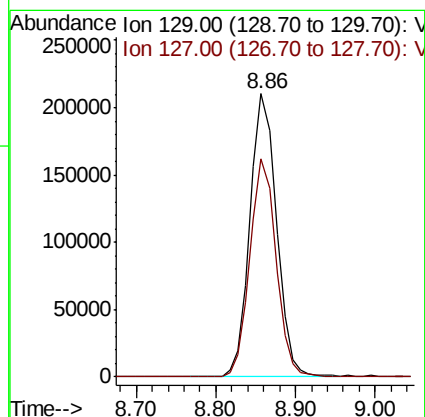
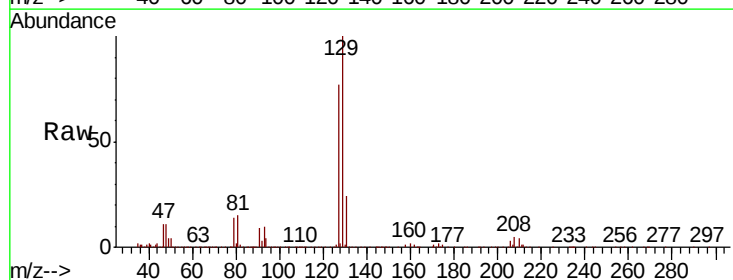
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

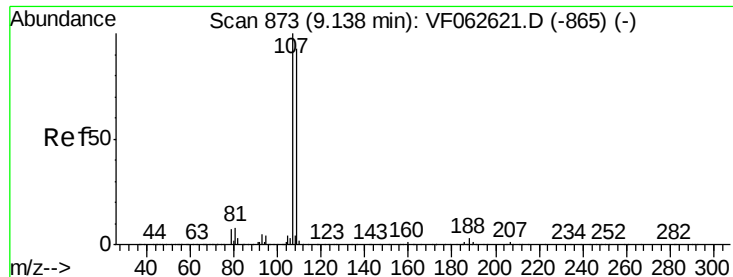
Tot Ion: 43 Resp: 1040412
Ion Ratio Lower Upper
43 100
58 59.7 28.1 84.4



#60
Dibromochloromethane
Concen: 57.455 ug/l
RT: 8.86 min Scan# 844
Delta R.T. -0.01 min
Lab File: VF062675.D
Acq: 21 May 2019 10:21

Tgt Ion: 129 Resp: 483559
Ion Ratio Lower Upper
129 100
127 76.9 37.2 111.6





#61

1,2-Dibromoethane

Concen: 55.702 ug/l

RT: 9.13 min Scan# 872

Delta R.T. -0.00 min

Lab File: VF062675.D

Acq: 21 May 2019 10:21

Instrument :

MSVOA_F

ClientSampleId :

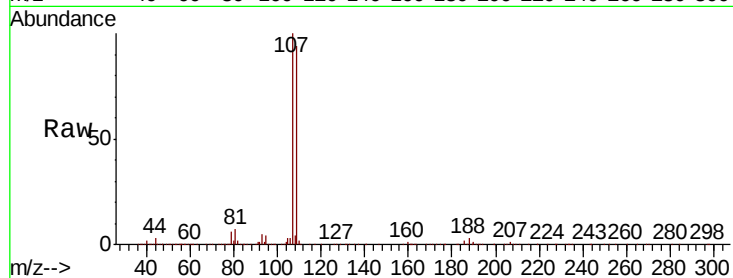
VSTDCCC050

Tot Ion:107 Resp: 382056

Ion Ratio Lower Upper

107 100

109 94.1 74.8 112.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

200000

150000

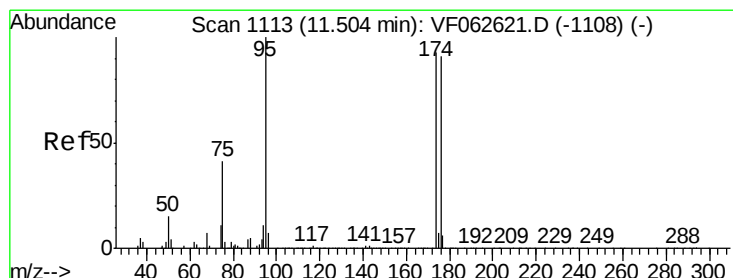
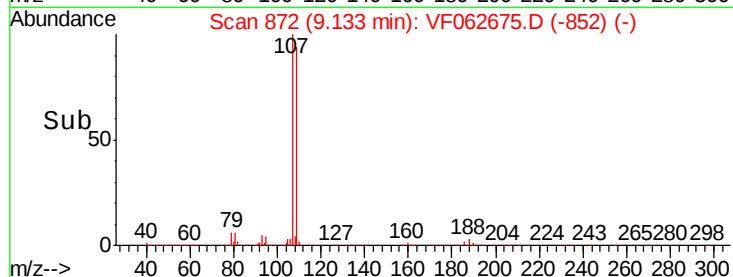
100000

50000

0

9.00 9.10 9.20 9.30

Time-->



#62

4-Bromofluorobenzene

Concen: 44.582 ug/l

RT: 11.49 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VF062675.D

Acq: 21 May 2019 10:21

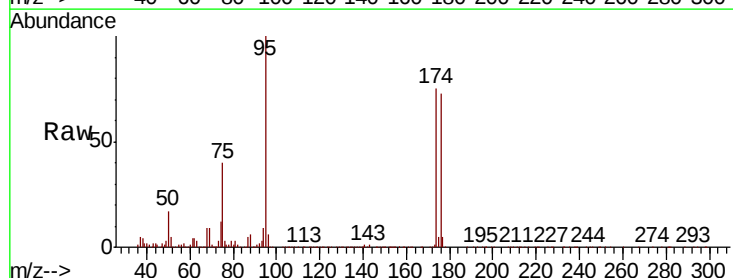
Tgt Ion: 95 Resp: 460210

Ion Ratio Lower Upper

95 100

174 74.5 0.0 185.6

176 72.5 0.0 182.4



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

300000

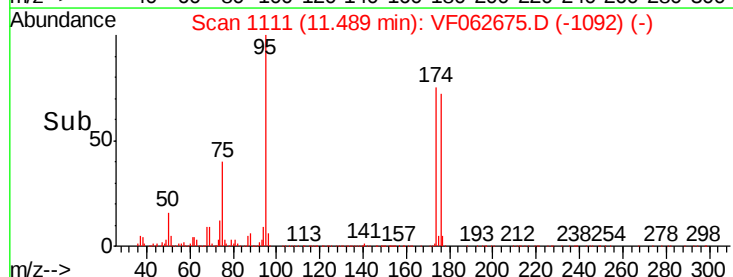
200000

100000

0

11.40 11.50 11.60

Time-->

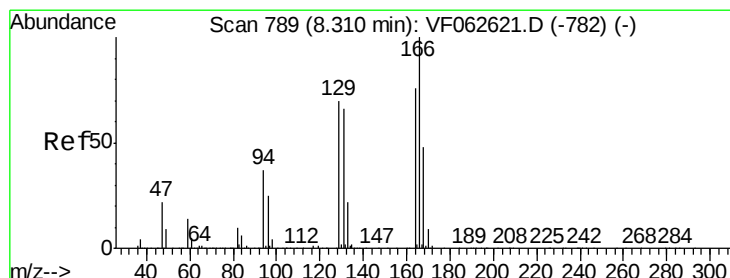
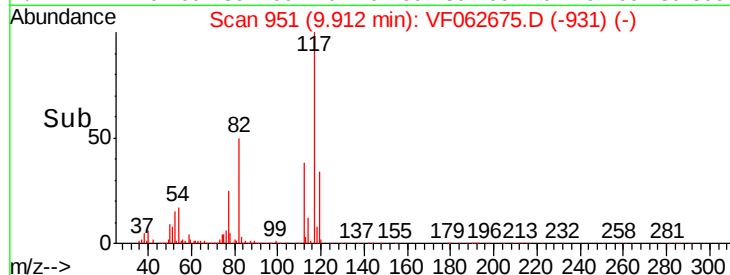
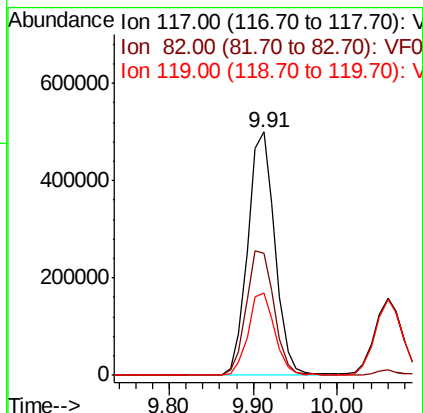
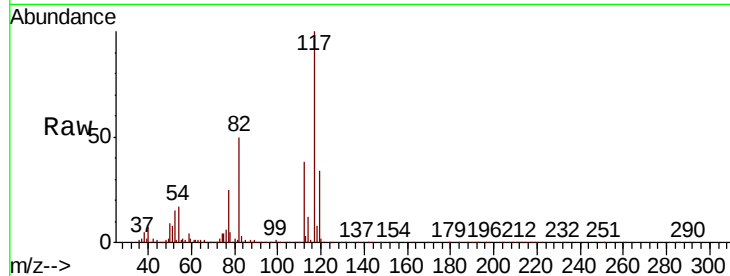




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 951
Delta R.T. -0.01 min
Lab File: VF062675.D
Acq: 21 May 2019 10:21

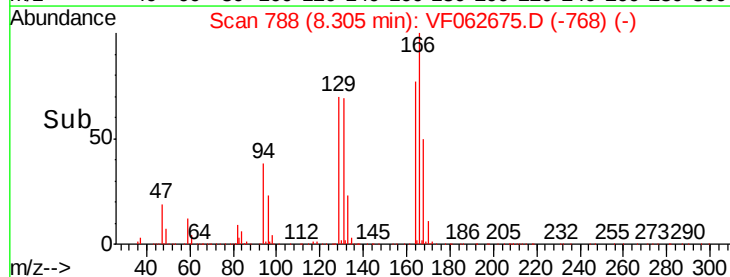
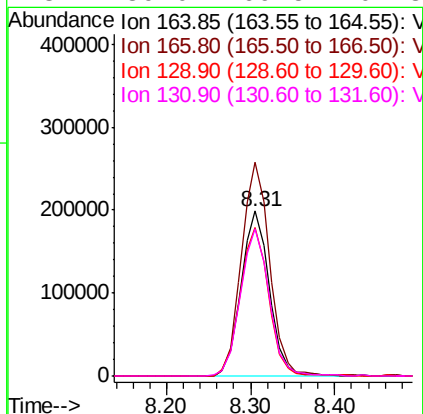
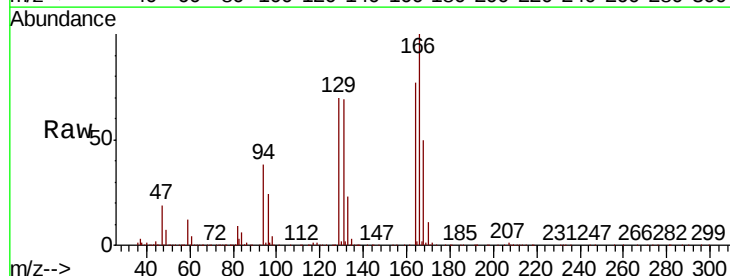
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

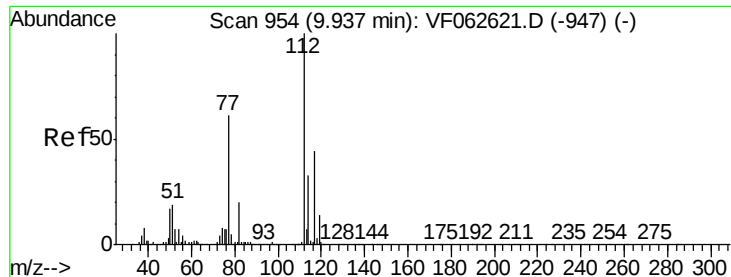
Tot Ion:117 Resp: 1133373
Ion Ratio Lower Upper
117 100
82 50.0 43.3 64.9
119 34.0 27.4 41.0



#64
Tetrachloroethene
Concen: 52.048 ug/l
RT: 8.31 min Scan# 788
Delta R.T. -0.00 min
Lab File: VF062675.D
Acq: 21 May 2019 10:21

Tgt Ion:164 Resp: 467331
Ion Ratio Lower Upper
164 100
166 129.5 105.5 158.3
129 90.3 73.8 110.6
131 89.0 69.5 104.3





#65

Chlorobenzene

Concen: 51.890 ug/l

RT: 9.93 min Scan# 953

Delta R.T. -0.00 min

Lab File: VF062675.D

Acq: 21 May 2019 10:21

Instrument :

MSVOA_F

ClientSampleId :

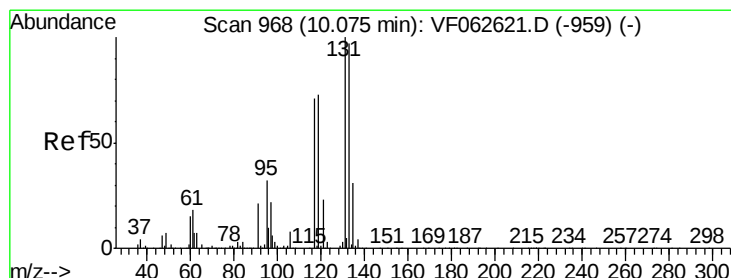
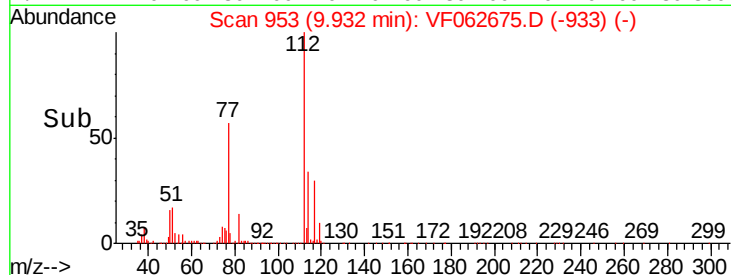
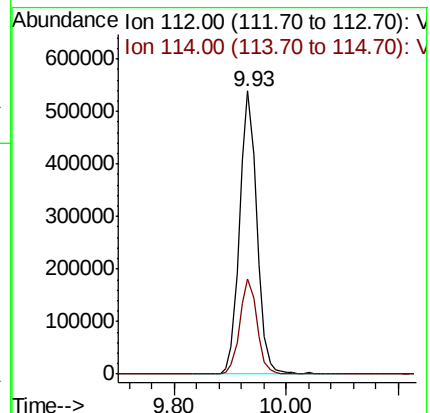
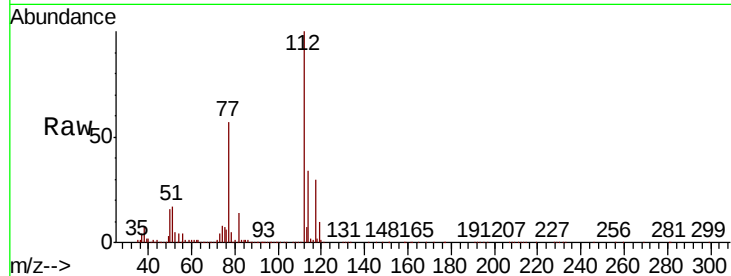
VSTDCCC050

Tot Ion:112 Resp: 1155106

Ion Ratio Lower Upper

112 100

114 33.8 26.8 40.2



#66

1,1,1,2-Tetrachloroethane

Concen: 54.182 ug/l

RT: 10.06 min Scan# 966

Delta R.T. -0.01 min

Lab File: VF062675.D

Acq: 21 May 2019 10:21

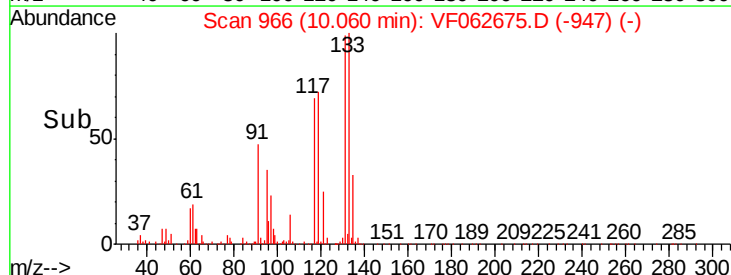
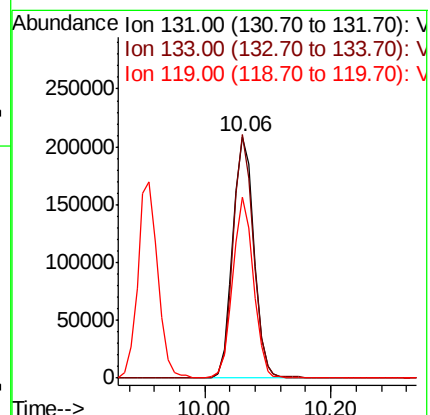
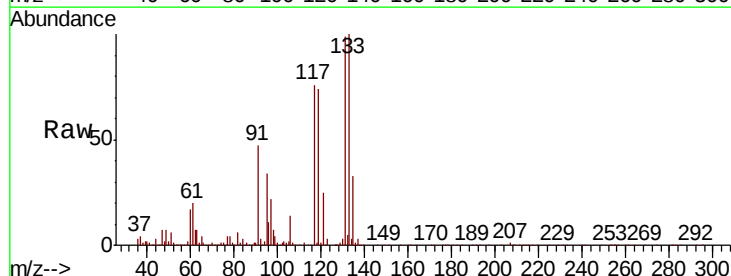
Tgt Ion:131 Resp: 484193

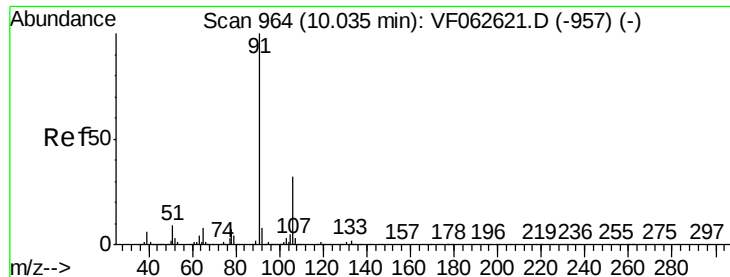
Ion Ratio Lower Upper

131 100

133 100.9 48.5 145.5

119 75.0 36.8 110.4

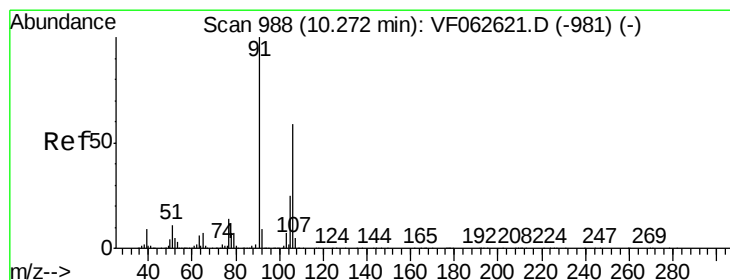
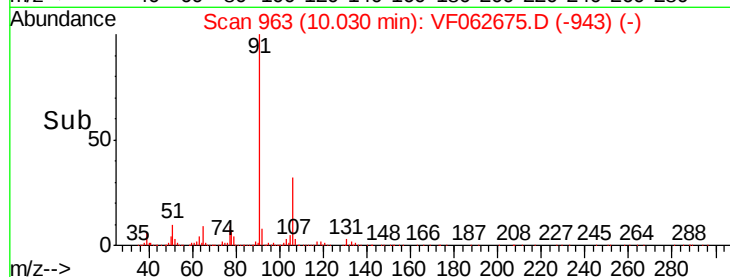
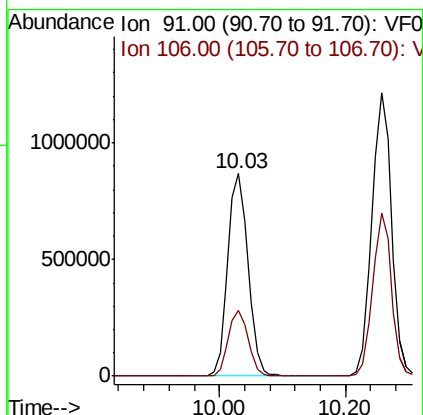
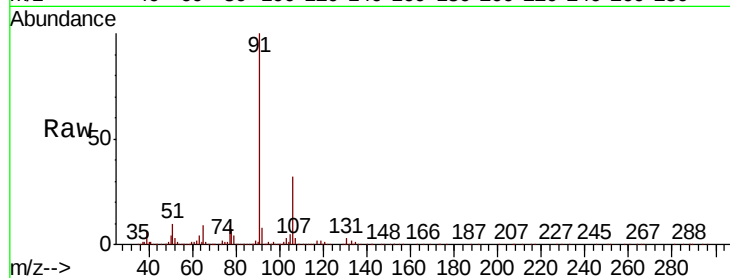




#67
Ethyl Benzene
Concen: 49.995 ug/l
RT: 10.03 min Scan# 963
Delta R.T. -0.00 min
Lab File: VF062675.D
Acq: 21 May 2019 10:21

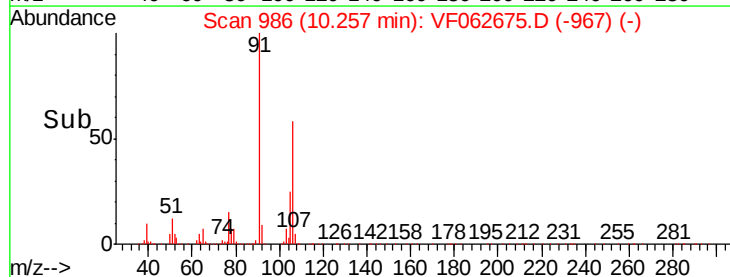
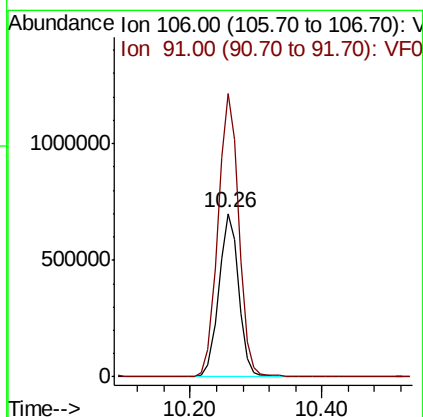
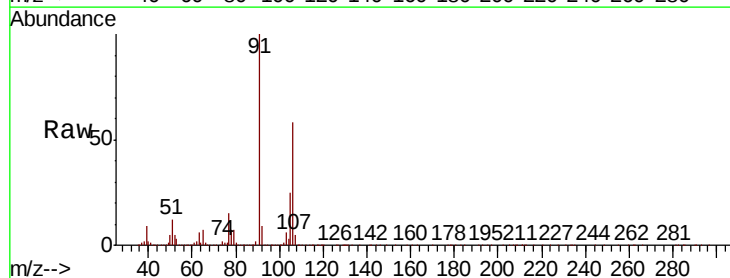
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

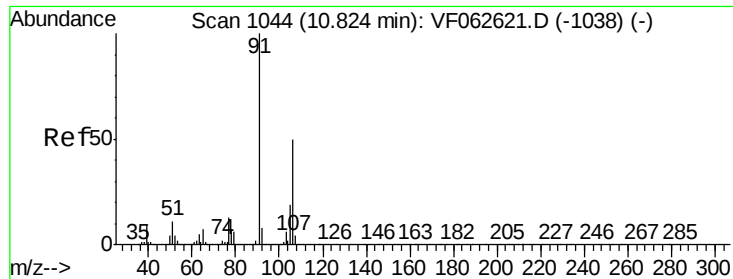
Tot Ion: 91 Resp: 1933391
Ion Ratio Lower Upper
91 100
106 32.4 25.8 38.8



#68
m/p-Xylenes
Concen: 101.179 ug/l
RT: 10.26 min Scan# 986
Delta R.T. -0.01 min
Lab File: VF062675.D
Acq: 21 May 2019 10:21

Tgt Ion: 106 Resp: 1470584
Ion Ratio Lower Upper
106 100
91 173.2 136.9 205.3

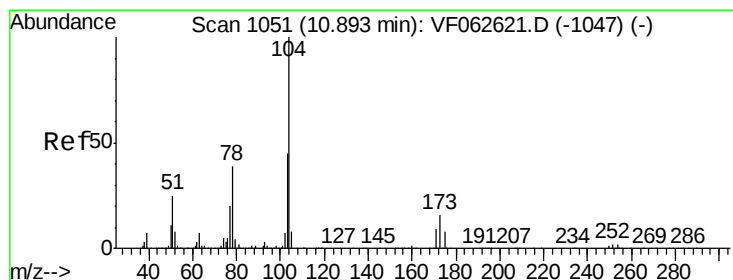
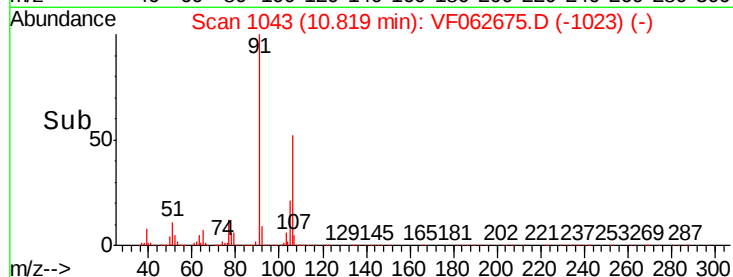
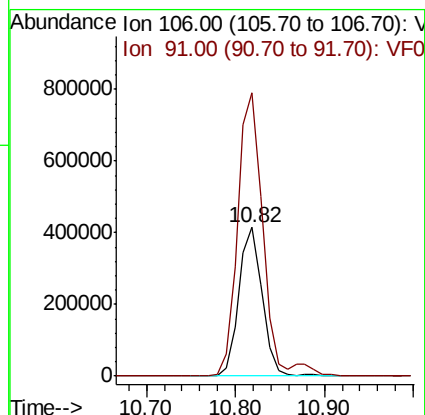
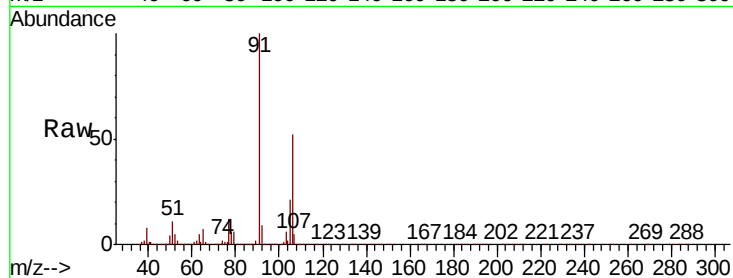




#69
o-Xylene
Concen: 50.933 ug/l
RT: 10.82 min Scan# 1043
Delta R.T. -0.00 min
Lab File: VF062675.D
Acq: 21 May 2019 10:21

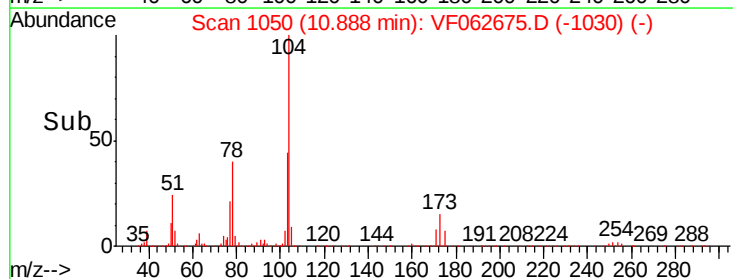
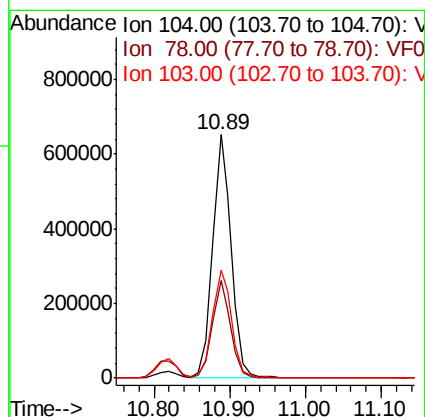
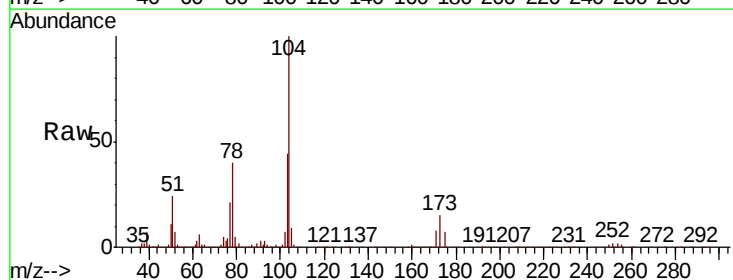
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

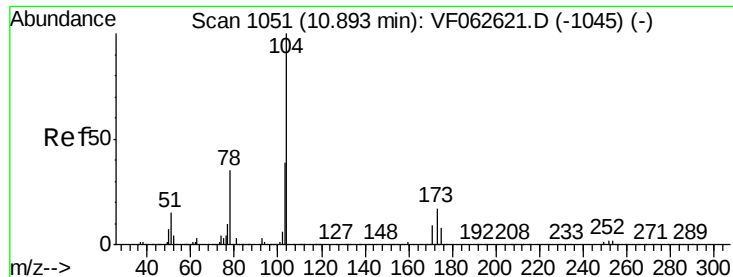
Tot Ion:106 Resp: 762500
Ion Ratio Lower Upper
106 100
91 190.6 100.2 300.5



#70
Styrene
Concen: 49.590 ug/l
RT: 10.89 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VF062675.D
Acq: 21 May 2019 10:21

Tgt Ion:104 Resp: 1128386
Ion Ratio Lower Upper
104 100
78 40.3 31.9 47.9
103 44.3 36.1 54.1





#71

Bromoform

Concen: 59.678 ug/l

RT: 10.88 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VF062675.D

Acq: 21 May 2019 10:21

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

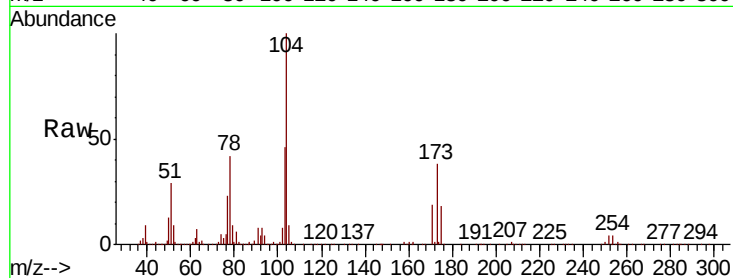
Tot Ion:173 Resp: 267101

Ion Ratio Lower Upper

173 100

175 46.8 25.3 75.9

254 0.1 0.2 0.2#

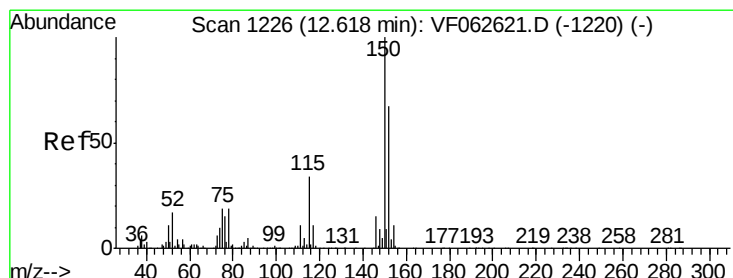
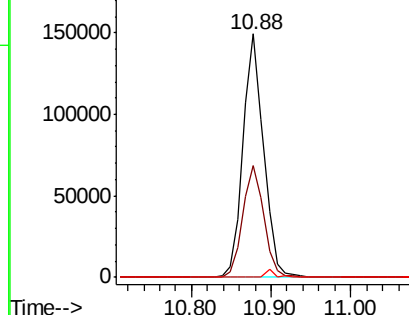
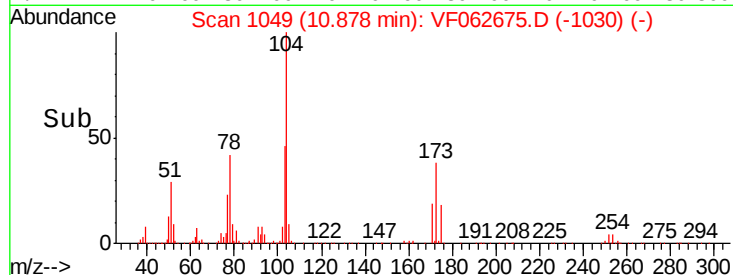


Abundance

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: 12.61 min Scan# 1225

Delta R.T. -0.00 min

Lab File: VF062675.D

Acq: 21 May 2019 10:21

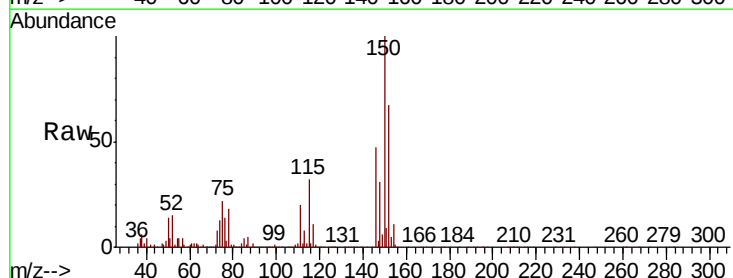
Tgt Ion:152 Resp: 539502

Ion Ratio Lower Upper

152 100

115 47.3 25.2 75.6

150 149.9 0.0 306.2

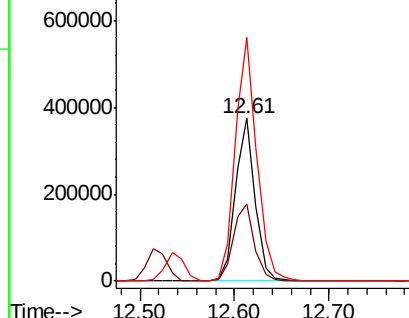
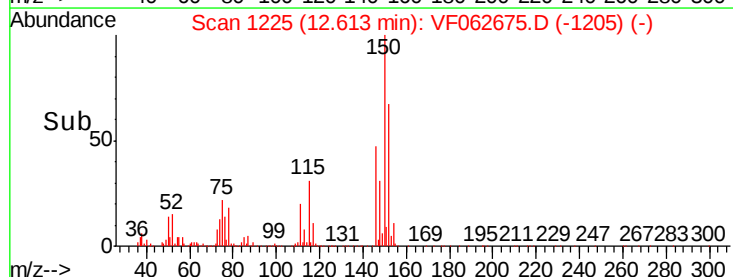


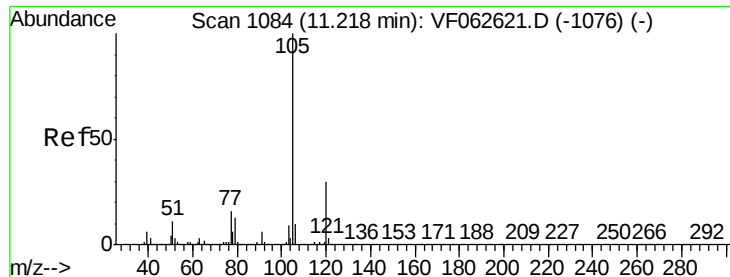
Abundance

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: 50.902 ug/l

RT: 11.21 min Scan# 1083

Delta R.T. -0.00 min

Lab File: VF062675.D

Acq: 21 May 2019 10:21

Instrument :

MSVOA_F

ClientSampleId :

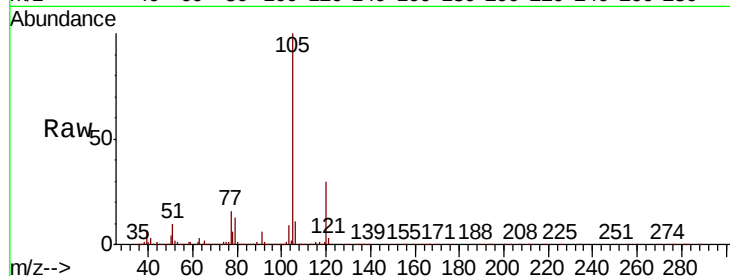
VSTDCCC050

Tot Ion:105 Resp: 1968213

Ion Ratio Lower Upper

105 100

120 30.0 14.8 44.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

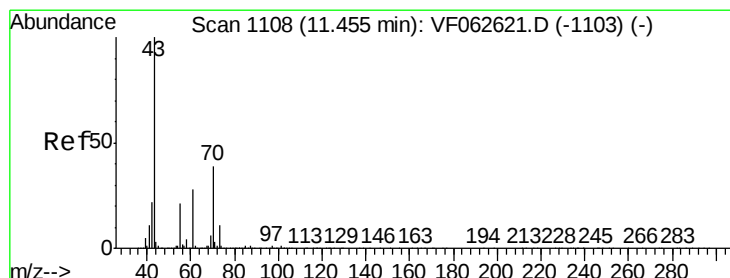
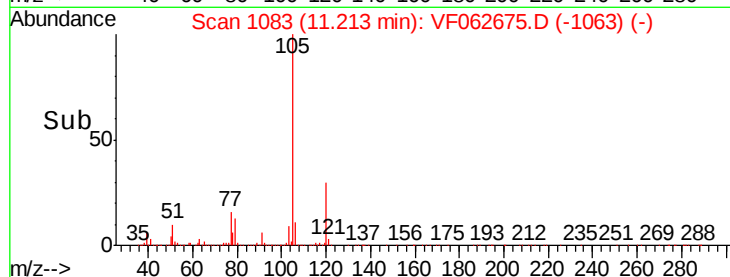
11.21

1000000

500000

0

Time--> 11.00 11.20 11.40



#74

N-ethyl acetate

Concen: 54.560 ug/l

RT: 11.45 min Scan# 1107

Delta R.T. -0.00 min

Lab File: VF062675.D

Acq: 21 May 2019 10:21

Tgt Ion: 43 Resp: 531939

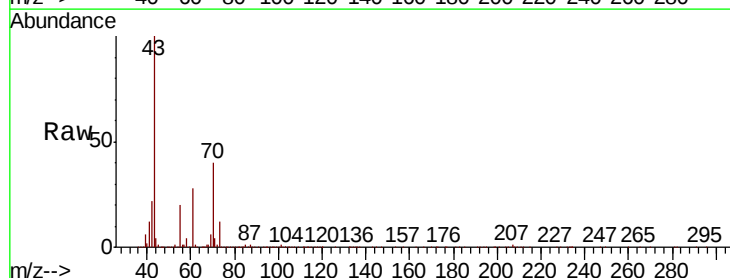
Ion Ratio Lower Upper

43 100

70 40.2 30.9 46.3

55 20.3 17.0 25.4

61 28.2 22.6 34.0



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

500000

400000

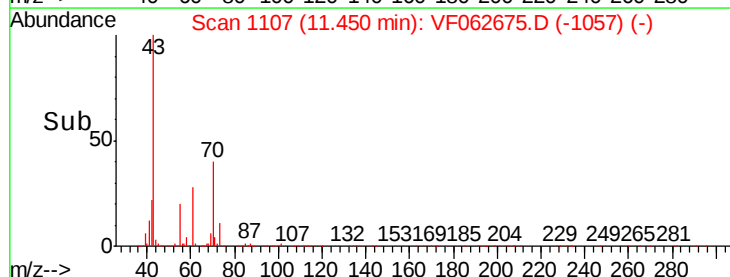
300000

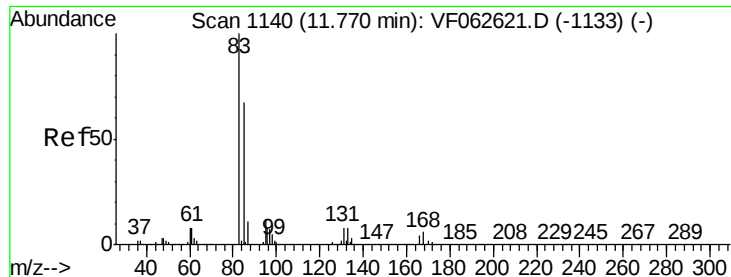
200000

100000

0

Time--> 11.20 11.40 11.60





#75

1,1,2,2-Tetrachloroethane

Concen: 52.758 ug/l

RT: 11.77 min Scan# 1139

Delta R.T. -0.01 min

Lab File: VF062675.D

Acq: 21 May 2019 10:21

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

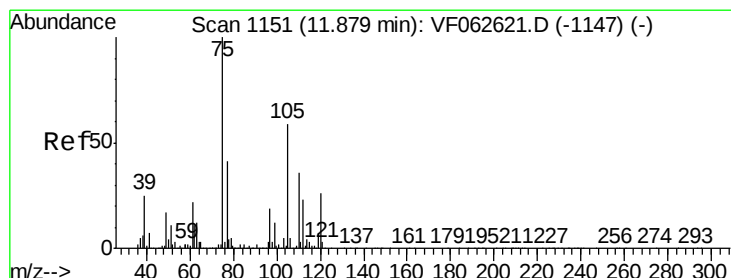
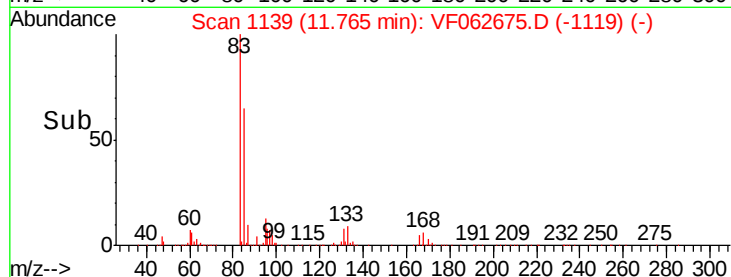
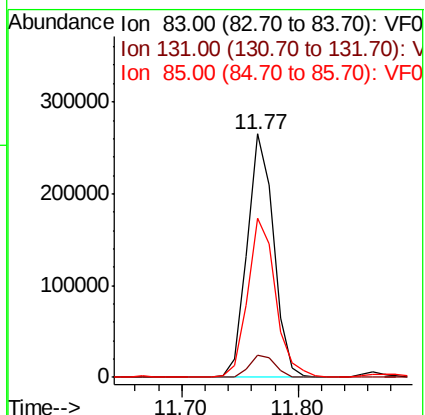
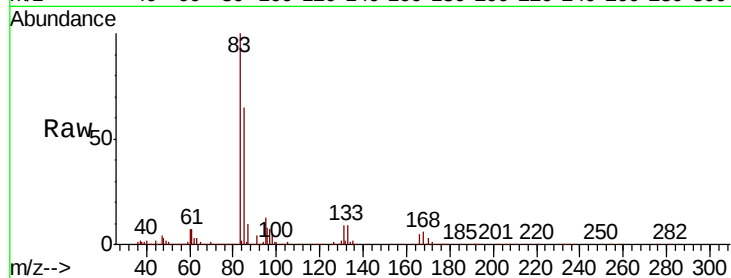
Tot Ion: 83 Resp: 416901

Ion Ratio Lower Upper

83 100

131 8.9 4.0 12.0

85 65.3 33.5 100.5



#76

1,2,3-Trichloropropane

Concen: 51.933 ug/l

RT: 11.86 min Scan# 1149

Delta R.T. -0.01 min

Lab File: VF062675.D

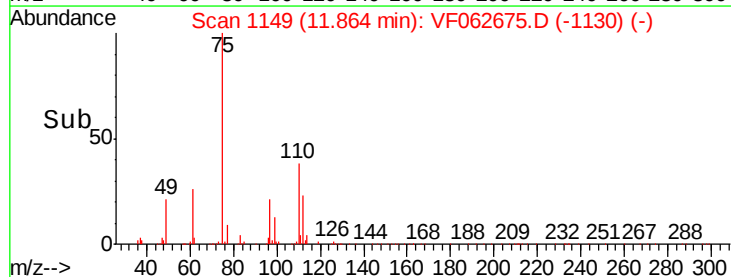
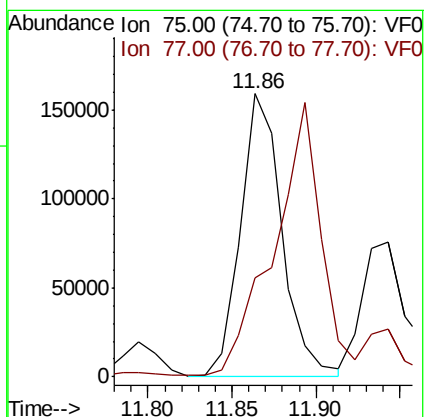
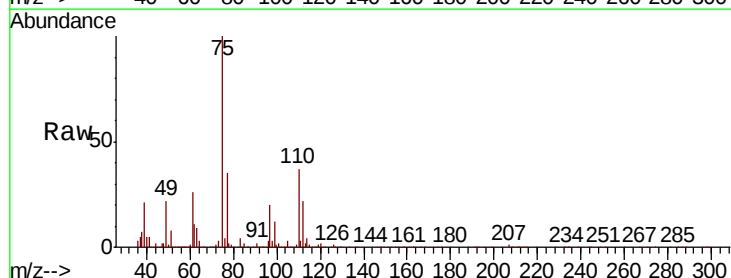
Acq: 21 May 2019 10:21

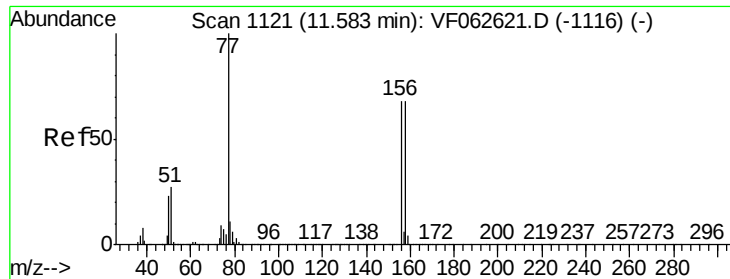
Tgt Ion: 75 Resp: 269648

Ion Ratio Lower Upper

75 100

77 35.2 20.6 61.8





#77

Bromobenzene

Concen: 52.456 ug/l

RT: 11.58 min Scan# 1120

Delta R.T. -0.00 min

Lab File: VF062675.D

Acq: 21 May 2019 10:21

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

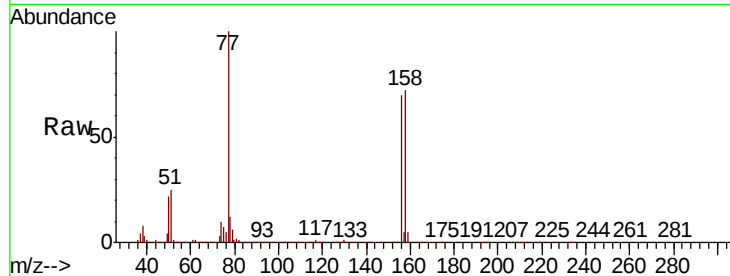
Tot Ion:156 Resp: 504176

Ion Ratio Lower Upper

156 100

77 143.2 73.6 220.8

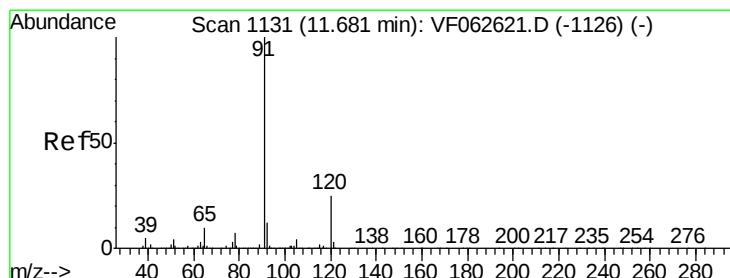
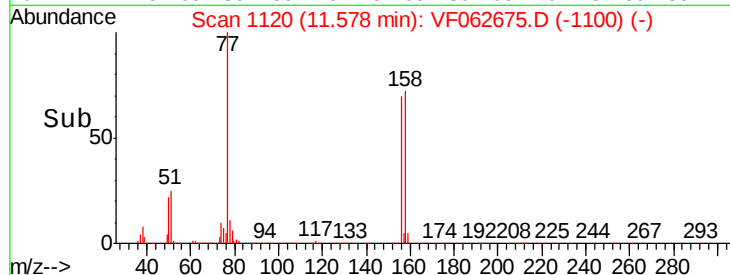
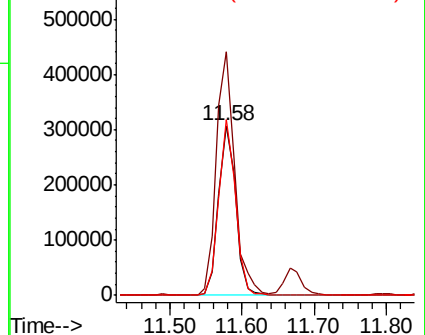
158 103.5 49.6 148.8



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 47.027 ug/l

RT: 11.67 min Scan# 1129

Delta R.T. -0.01 min

Lab File: VF062675.D

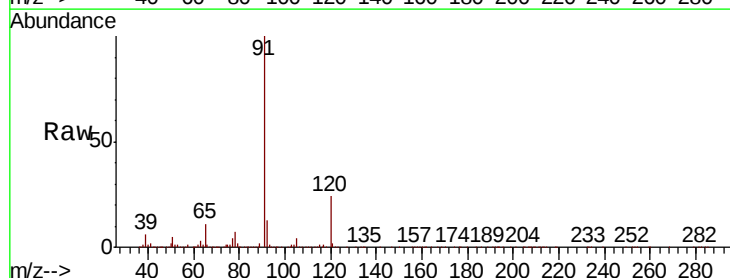
Acq: 21 May 2019 10:21

Tgt Ion: 91 Resp: 2152016

Ion Ratio Lower Upper

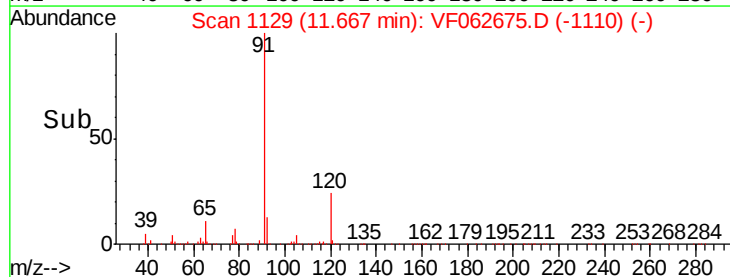
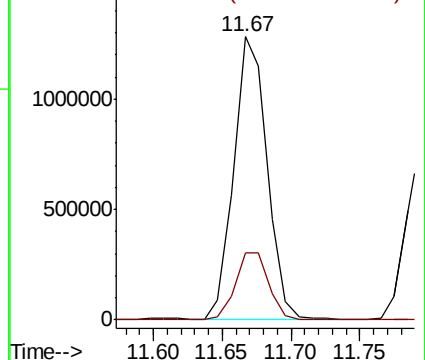
91 100

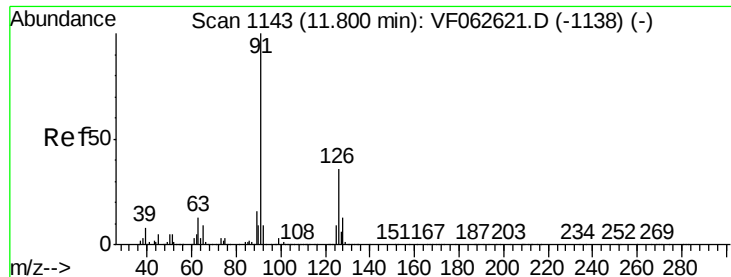
120 23.7 12.7 38.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.793 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VF062675.D

Acq: 21 May 2019 10:21

Instrument :

MSVOA_F

ClientSampleId :

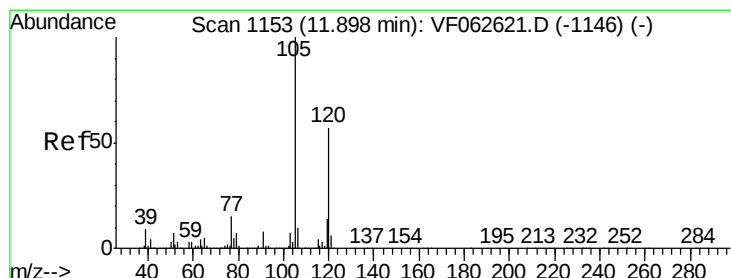
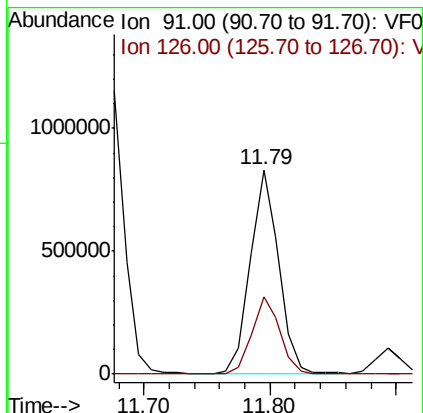
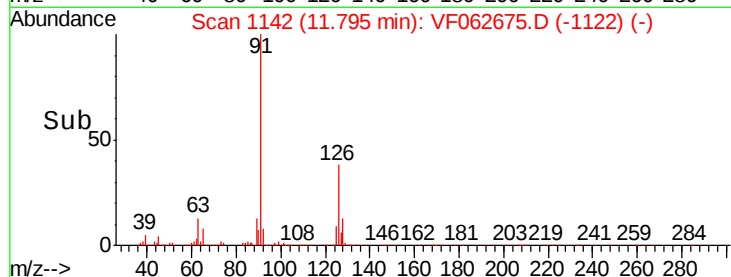
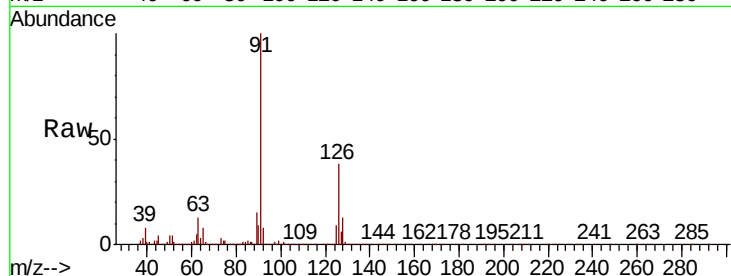
VSTDCCC050

Tot Ion: 91 Resp: 1284128

Ion Ratio Lower Upper

91 100

126 38.1 18.1 54.4



#80

1,3,5-Trimethylbenzene

Concen: 49.851 ug/l

RT: 11.89 min Scan# 1152

Delta R.T. -0.00 min

Lab File: VF062675.D

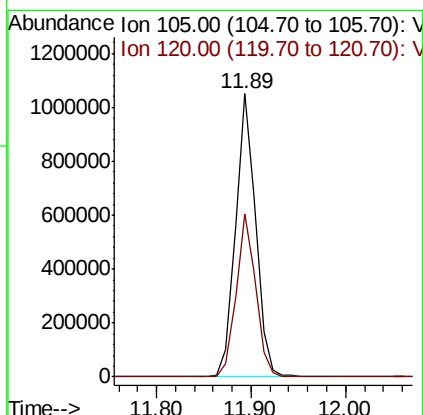
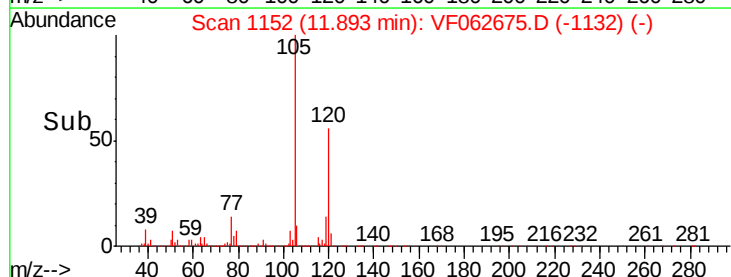
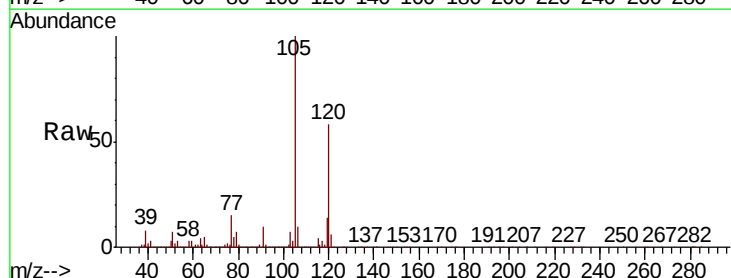
Acq: 21 May 2019 10:21

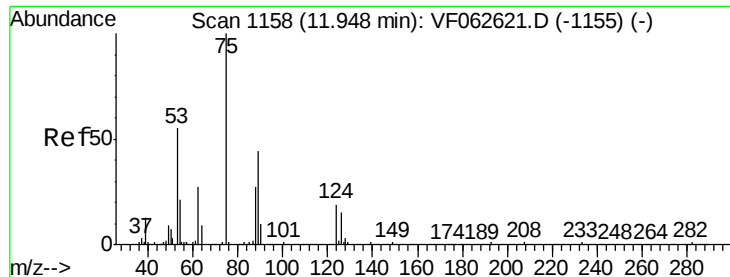
Tgt Ion:105 Resp: 1545621

Ion Ratio Lower Upper

105 100

120 57.6 28.7 86.3





#81

trans-1,4-Dichloro-2-butene

Concen: 67.757 ug/l

RT: 11.94 min Scan# 1157

Delta R.T. -0.01 min

Lab File: VF062675.D

Acq: 21 May 2019 10:21

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

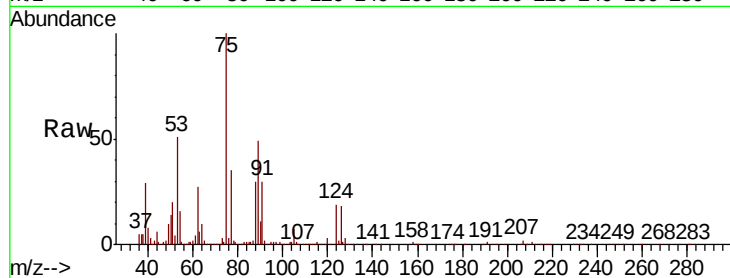
Tot Ion: 75 Resp: 156381

Ion Ratio Lower Upper

75 100

53 51.0 46.9 70.3

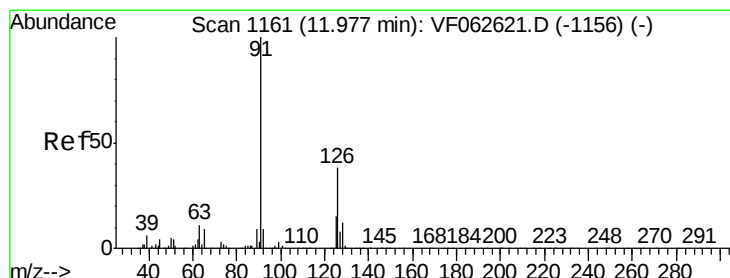
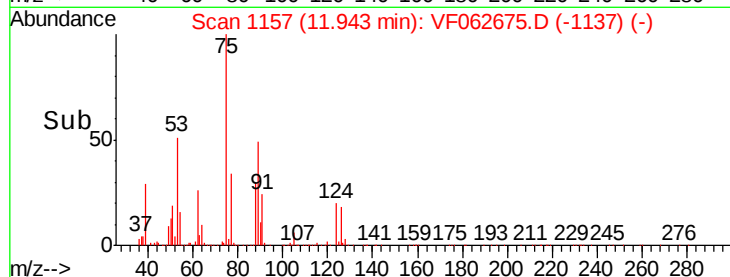
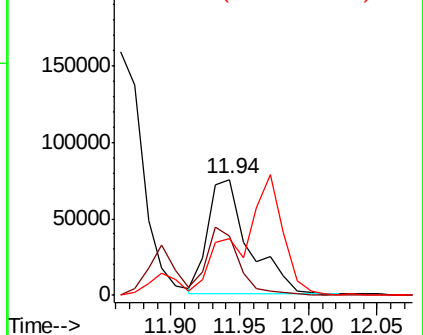
89 48.8 36.4 54.6



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: 49.185 ug/l

RT: 11.97 min Scan# 1160

Delta R.T. -0.00 min

Lab File: VF062675.D

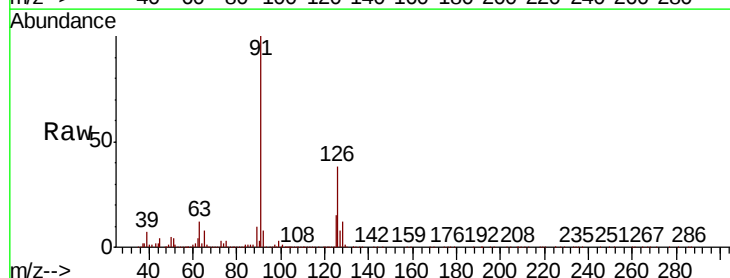
Acq: 21 May 2019 10:21

Tgt Ion: 91 Resp: 1250856

Ion Ratio Lower Upper

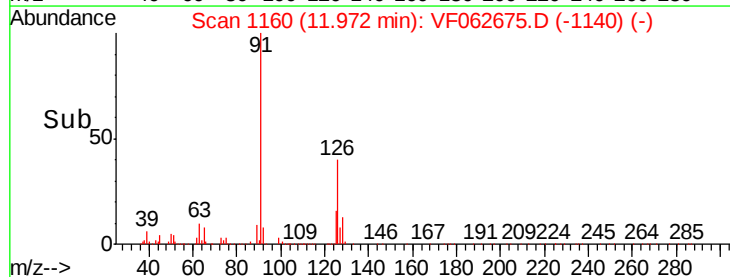
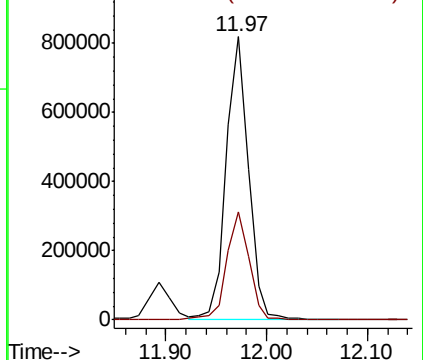
91 100

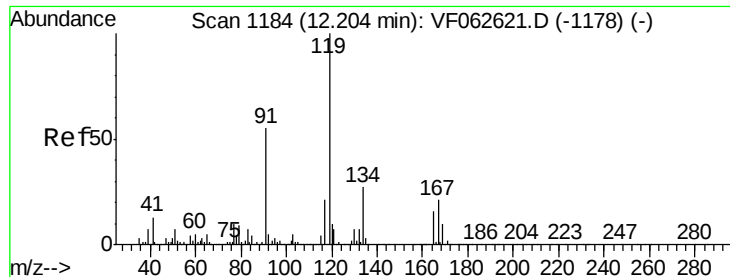
126 38.2 19.1 57.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V





#83

tert-Butylbenzene

Concen: 52.716 ug/l

RT: 12.20 min Scan# 1183

Delta R.T. -0.00 min

Lab File: VF062675.D

Acq: 21 May 2019 10:21

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

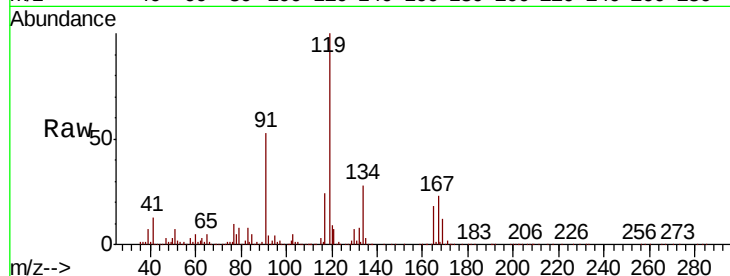
Tot Ion:119 Resp: 1658239

Ion Ratio Lower Upper

119 100

91 53.0 27.3 81.9

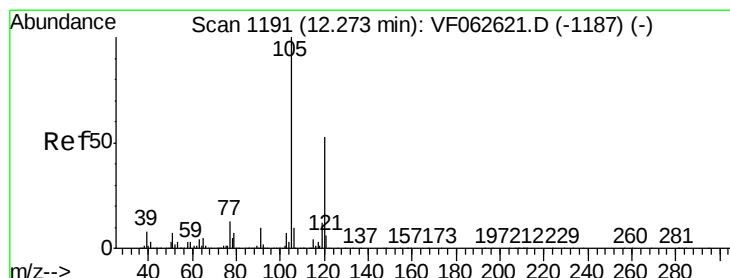
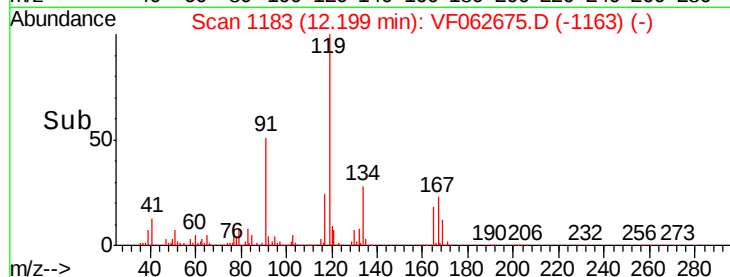
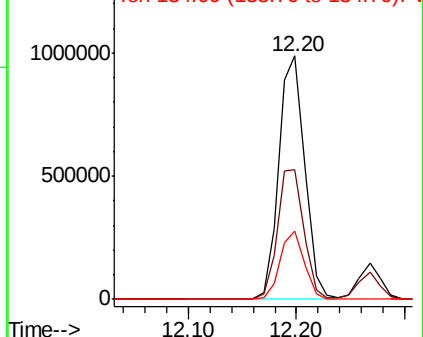
134 28.2 13.6 40.7



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: 50.574 ug/l

RT: 12.27 min Scan# 1190

Delta R.T. -0.01 min

Lab File: VF062675.D

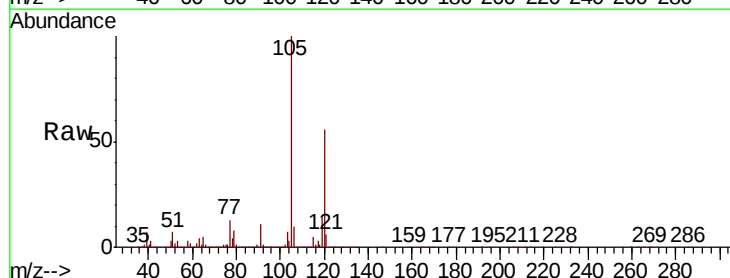
Acq: 21 May 2019 10:21

Tgt Ion:105 Resp: 1517671

Ion Ratio Lower Upper

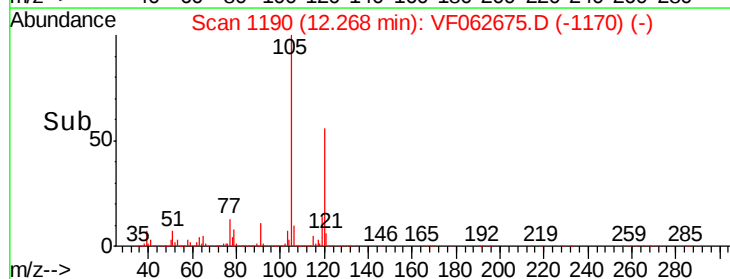
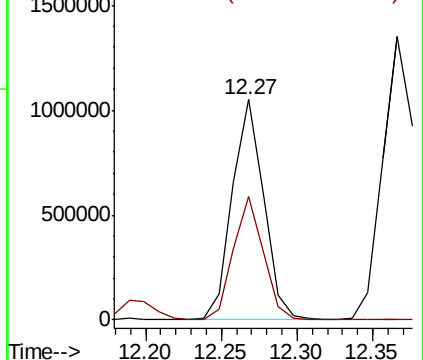
105 100

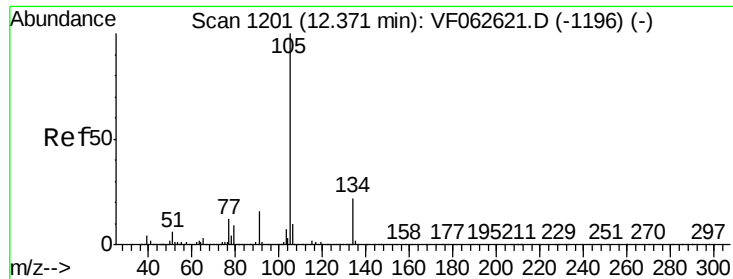
120 56.0 26.7 80.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 48.408 ug/l

RT: 12.37 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VF062675.D

Acq: 21 May 2019 10:21

Instrument :

MSVOA_F

ClientSampleId :

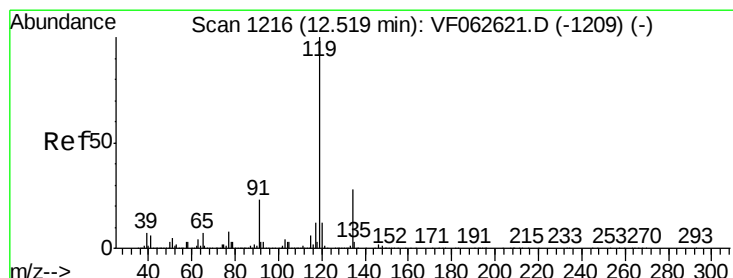
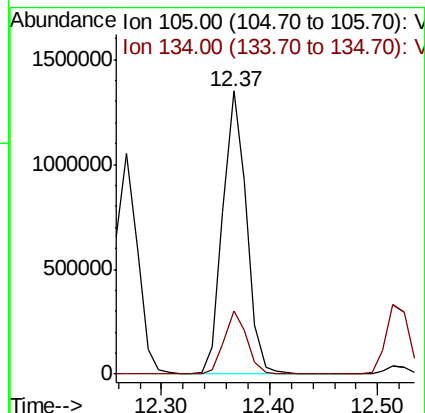
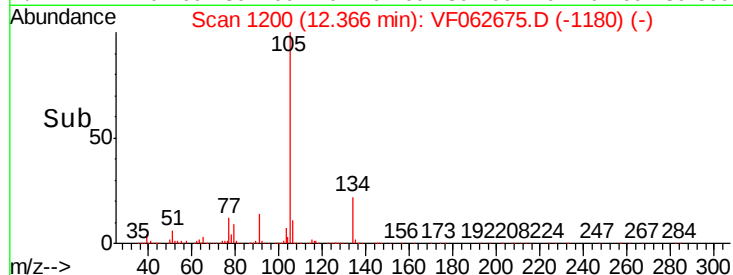
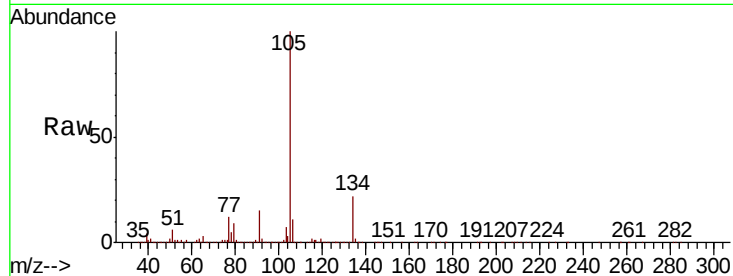
VSTDCCC050

Tot Ion:105 Resp: 2043518

Ion Ratio Lower Upper

105 100

134 22.2 10.8 32.4



#86

p-Isopropyltoluene

Concen: 48.645 ug/l

RT: 12.51 min Scan# 1215

Delta R.T. -0.01 min

Lab File: VF062675.D

Acq: 21 May 2019 10:21

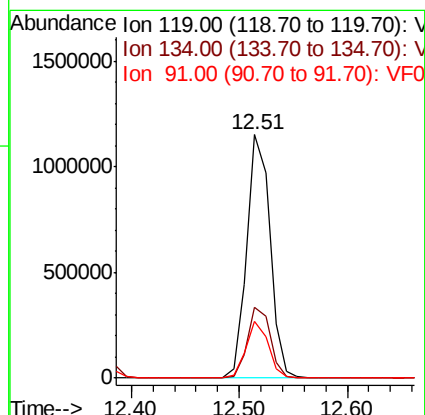
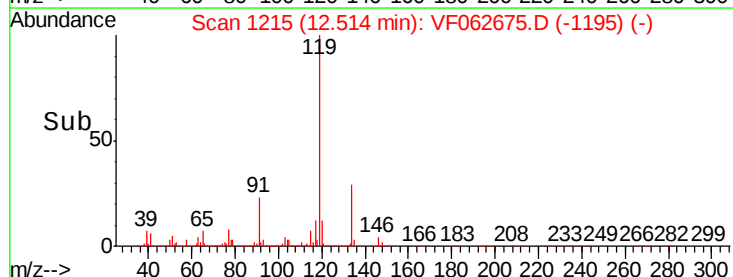
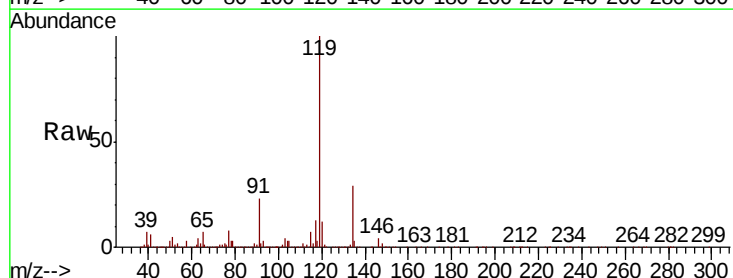
Tgt Ion:119 Resp: 1730608

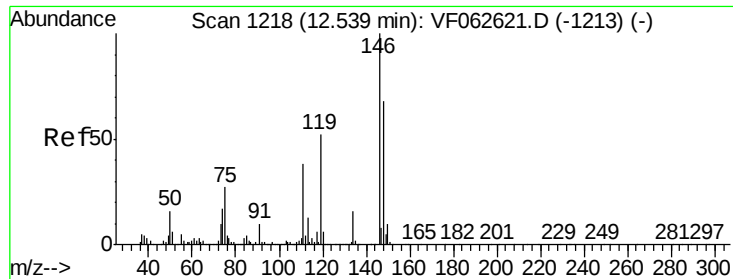
Ion Ratio Lower Upper

119 100

134 29.0 14.1 42.3

91 23.1 11.4 34.2

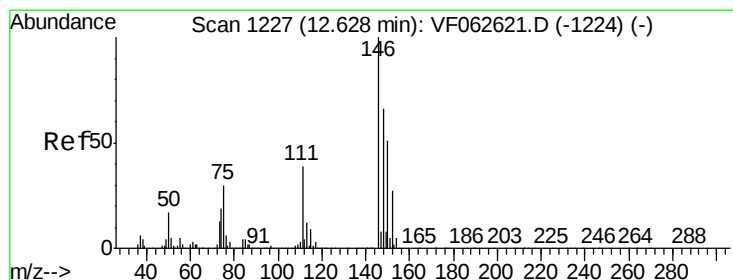
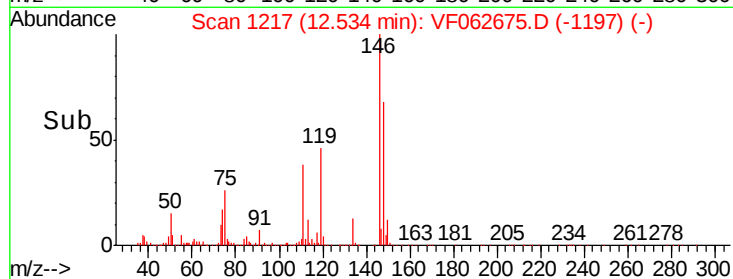
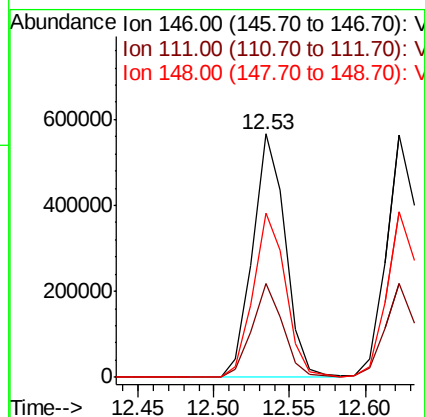
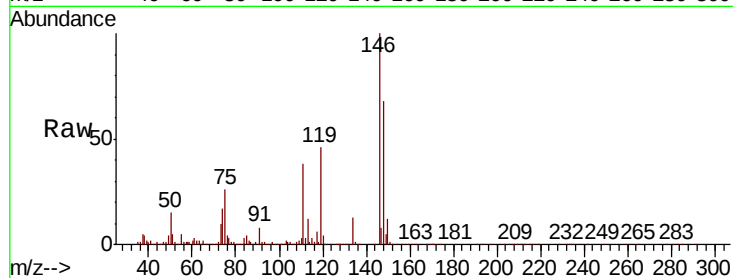




#87
 1,3-Dichlorobenzene
 Concen: 49.311 ug/l
 RT: 12.53 min Scan# 1217
 Delta R.T. -0.00 min
 Lab File: VF062675.D
 Acq: 21 May 2019 10:21

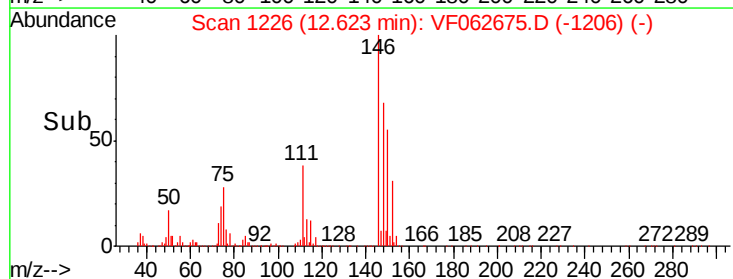
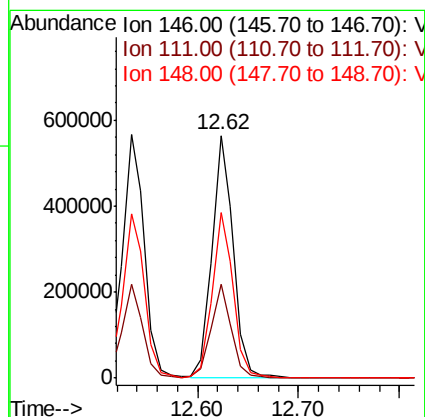
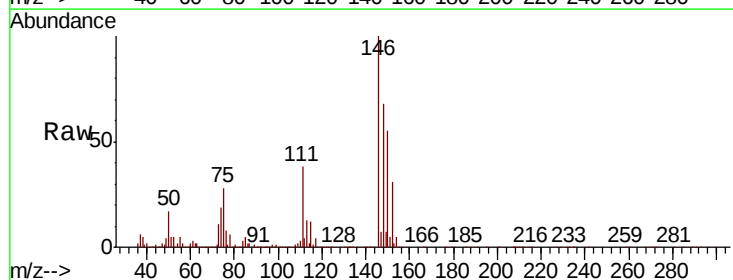
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

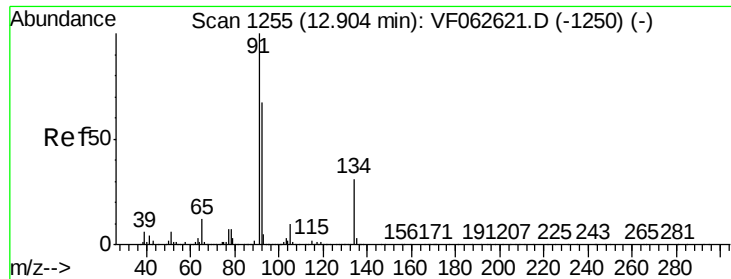
Tot Ion:146 Resp: 857468
 Ion Ratio Lower Upper
 146 100
 111 38.5 18.9 56.9
 148 67.7 34.0 101.8



#88
 1,4-Dichlorobenzene
 Concen: 51.221 ug/l
 RT: 12.62 min Scan# 1226
 Delta R.T. -0.00 min
 Lab File: VF062675.D
 Acq: 21 May 2019 10:21

Tgt Ion:146 Resp: 835833
 Ion Ratio Lower Upper
 146 100
 111 38.5 19.4 58.2
 148 68.3 33.2 99.6

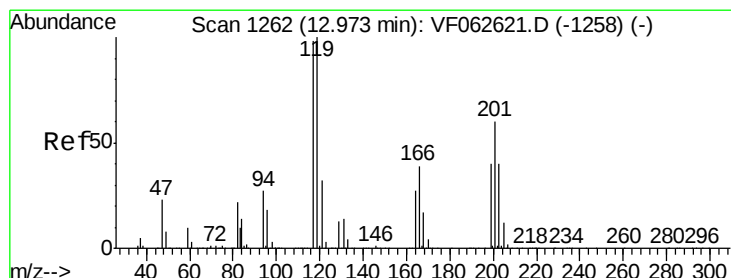
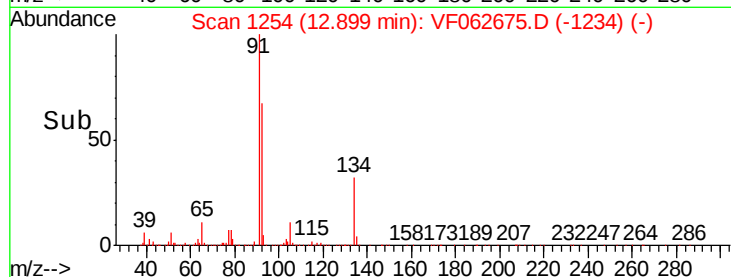
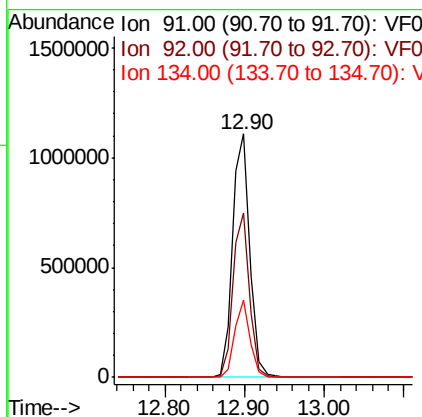
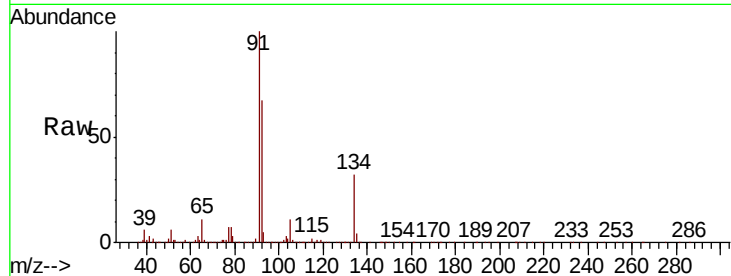




#89
n-Butylbenzene
Concen: 47.936 ug/l
RT: 12.90 min Scan# 1254
Delta R.T. -0.00 min
Lab File: VF062675.D
Acq: 21 May 2019 10:21

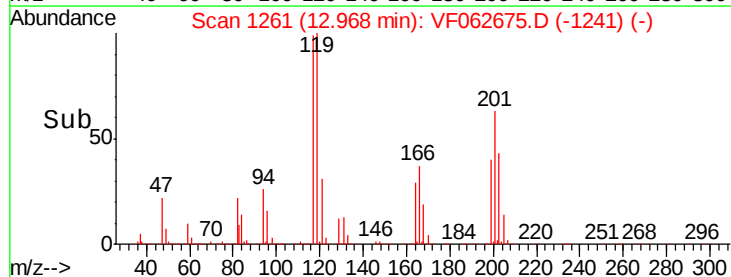
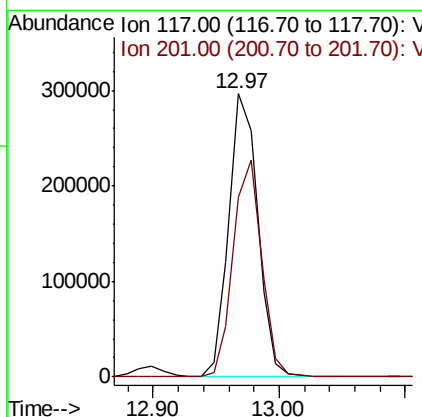
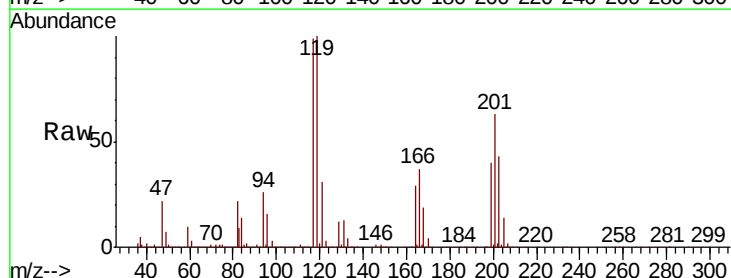
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

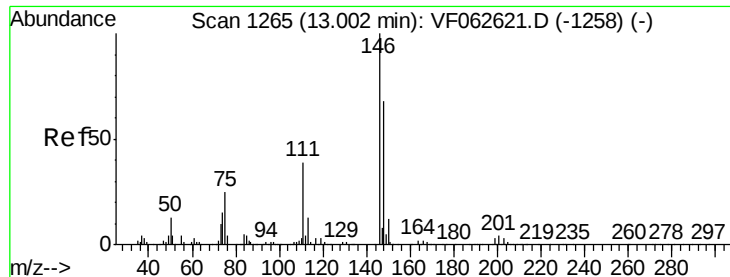
Tot Ion: 91 Resp: 1681438
Ion Ratio Lower Upper
91 100
92 67.3 33.3 99.8
134 31.9 15.4 46.4



#90
Hexachloroethane
Concen: 55.179 ug/l
RT: 12.97 min Scan# 1261
Delta R.T. -0.01 min
Lab File: VF062675.D
Acq: 21 May 2019 10:21

Tgt Ion: 117 Resp: 470915
Ion Ratio Lower Upper
117 100
201 63.7 30.7 92.1





#91

1,2-Dichlorobenzene

Concen: 52.378 ug/l

RT: 13.00 min Scan# 1264

Delta R.T. -0.00 min

Lab File: VF062675.D

Acq: 21 May 2019 10:21

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

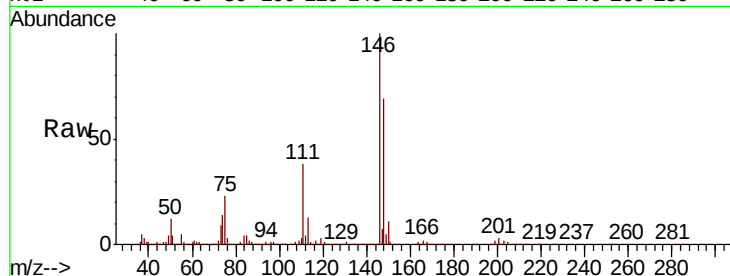
Tot Ion:146 Resp: 811878

Ion Ratio Lower Upper

146 100

111 37.9 19.8 59.3

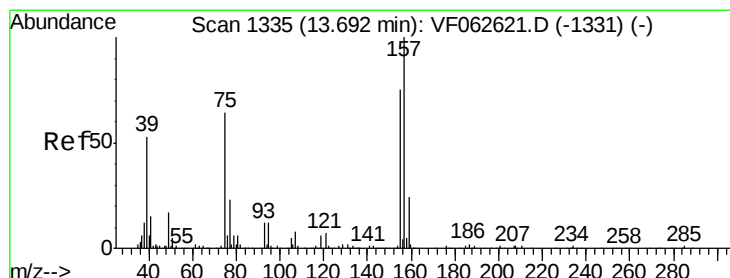
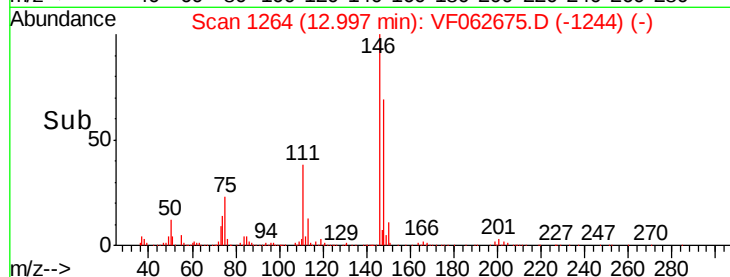
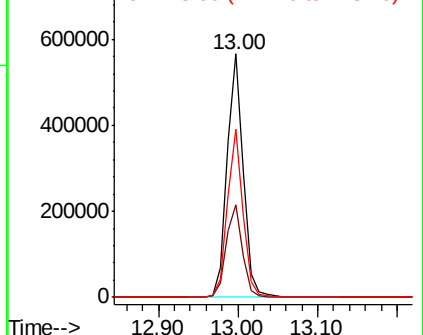
148 69.0 34.1 102.2



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: 57.657 ug/l

RT: 13.69 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VF062675.D

Acq: 21 May 2019 10:21

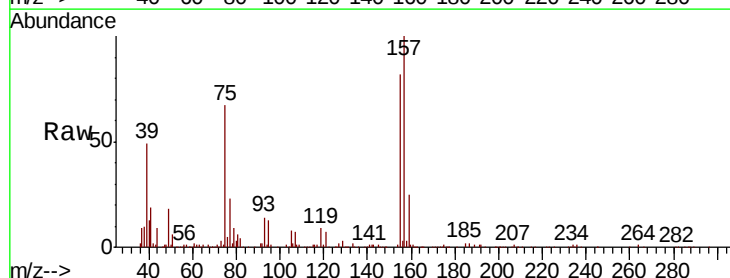
Tgt Ion: 75 Resp: 54353

Ion Ratio Lower Upper

75 100

155 122.0 58.1 174.3

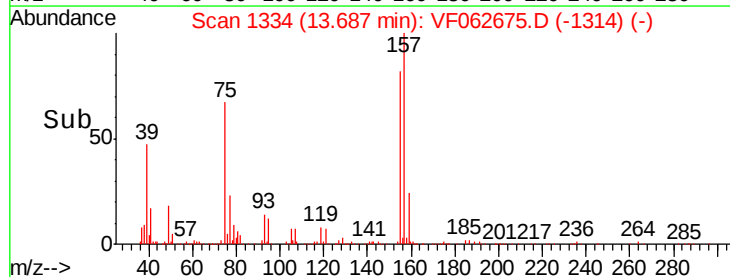
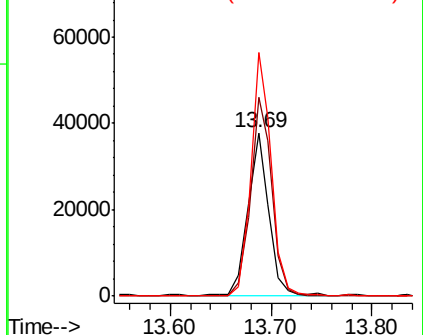
157 148.9 77.8 233.4

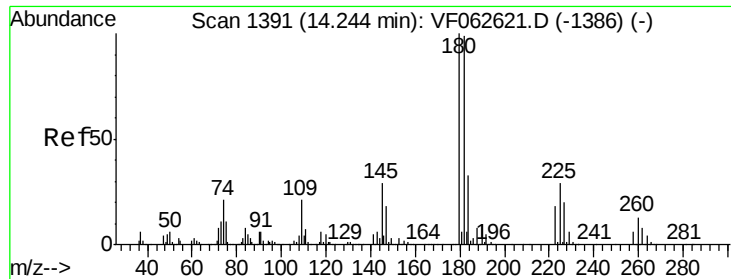


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

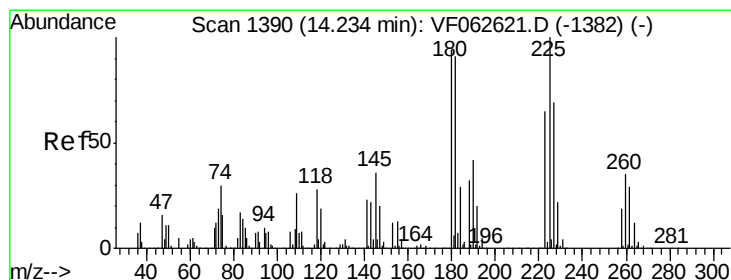
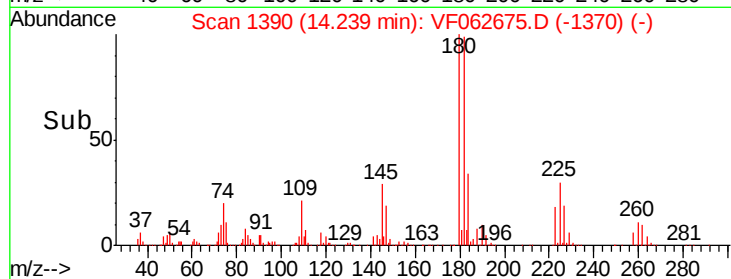
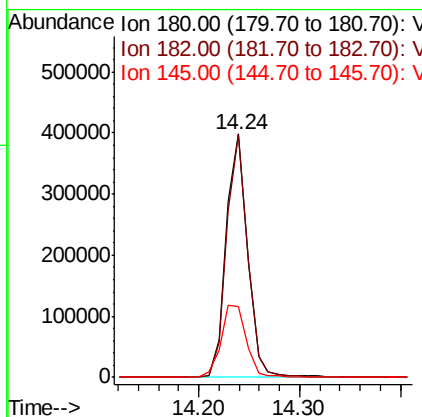
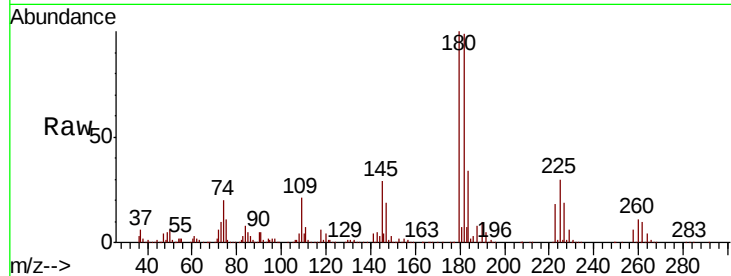




#93
 1,2,4-Trichlorobenzene
 Concen: 53.058 ug/l
 RT: 14.24 min Scan# 1390
 Delta R.T. -0.00 min
 Lab File: VF062675.D
 Acq: 21 May 2019 10:21

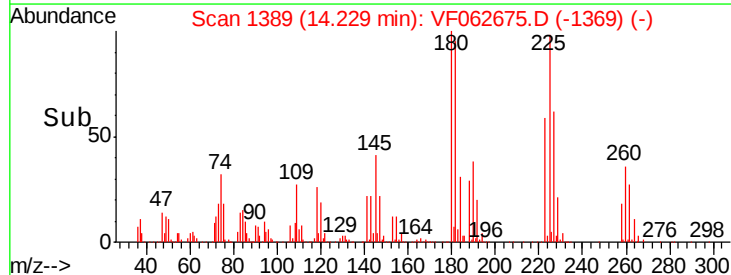
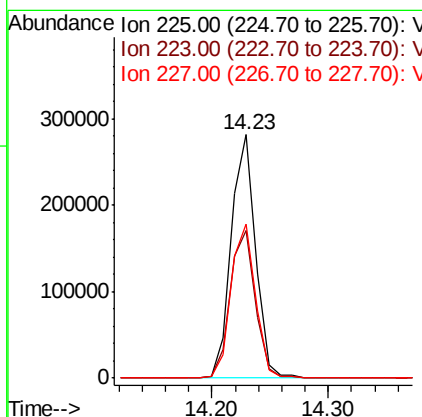
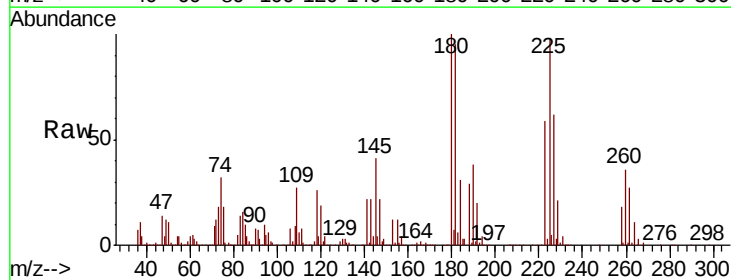
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

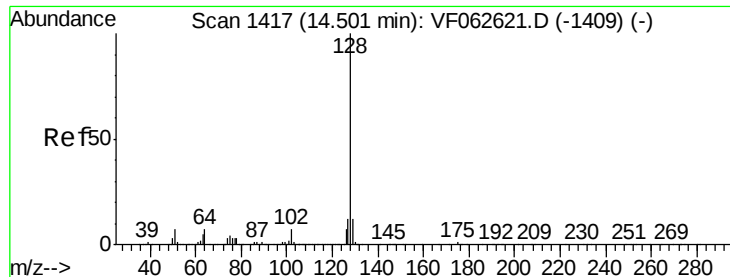
Tot Ion	Ratio	Lower	Upper
180	100		
182	99.3	49.7	149.1
145	29.3	14.6	44.0



#94
 Hexachlorobutadiene
 Concen: 52.764 ug/l
 RT: 14.23 min Scan# 1389
 Delta R.T. -0.01 min
 Lab File: VF062675.D
 Acq: 21 May 2019 10:21

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.7	32.5	97.4
227	63.4	34.5	103.5





#95

Naphthalene

Concen: 53.061 ug/l

RT: 14.50 min Scan# 1416

Delta R.T. -0.00 min

Lab File: VF062675.D

Acq: 21 May 2019 10:21

Instrument :

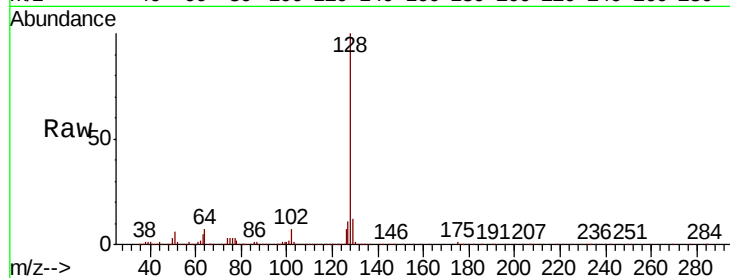
MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:128 Resp: 1069544

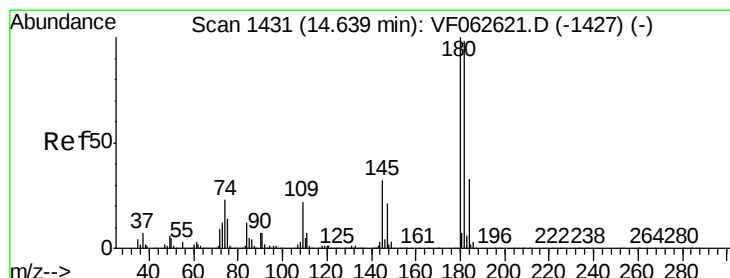
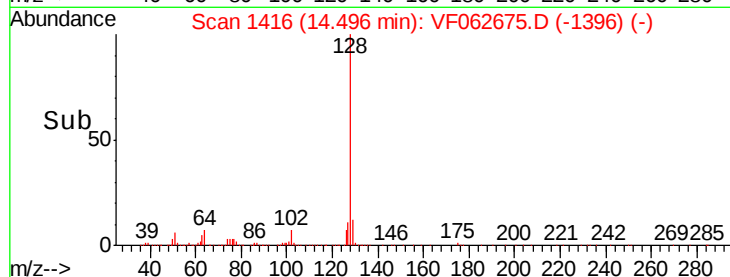
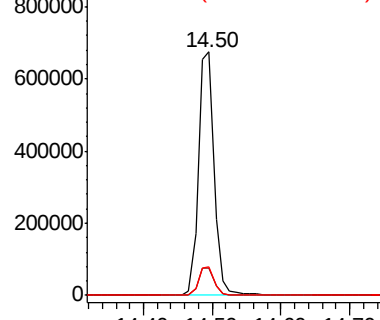
Ion	Ratio	Lower	Upper
128	100		
127	11.4	9.7	14.5
129	11.6	9.3	13.9



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 53.865 ug/l

RT: 14.63 min Scan# 1430

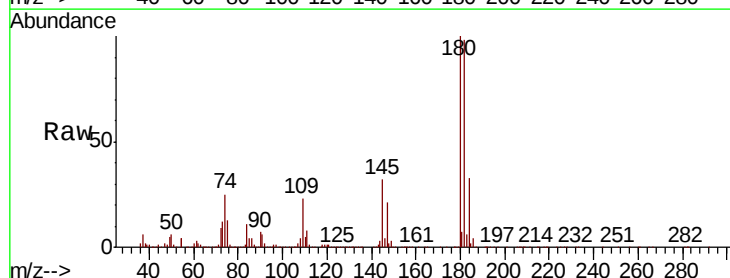
Delta R.T. -0.01 min

Lab File: VF062675.D

Acq: 21 May 2019 10:21

Tgt Ion:180 Resp: 566096

Ion	Ratio	Lower	Upper
180	100		
182	97.5	48.9	146.7
145	32.0	16.1	48.2



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

