

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052219\
 Data File : VF062697.D
 Acq On : 22 May 2019 10:23
 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 23 01:20:00 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	5.04	168	797424	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.76	114	1428686	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.90	117	1002423	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.60	152	474738	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.02	65	273938	48.61	ug/l	-0.02
Spiked Amount			Recovery	=	97.22%	
35) Dibromofluoromethane	4.29	113	507221	46.40	ug/l	-0.03
Spiked Amount			Recovery	=	92.80%	
50) Toluene-d8	7.70	98	1144428	43.84	ug/l	-0.02
Spiked Amount			Recovery	=	87.68%	
62) 4-Bromofluorobenzene	11.48	95	409054	41.32	ug/l	-0.02
Spiked Amount			Recovery	=	82.64%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.01	85	505307	46.565	ug/l	98
3) Chloromethane	1.14	50	456115	45.648	ug/l	100
4) Vinyl Chloride	1.19	62	440960	47.943	ug/l	99
5) Bromomethane	1.39	94	276895	55.030	ug/l	99
6) Chloroethane	1.44	64	181414	53.705	ug/l #	88
7) Trichlorofluoromethane	1.55	101	678299	54.924	ug/l	90
8) Diethyl Ether	1.71	74	131601	53.790	ug/l	80
9) 1,1,2-Trichlorotrifluoroet	1.90	101	410190	52.162	ug/l	95
10) Methyl Iodide	1.98	142	838447	54.277	ug/l	97
11) Tert butyl alcohol	2.68	59	91774	246.687	ug/l	100
12) 1,1-Dichloroethene	1.86	96	385819	53.859	ug/l	98
13) Acrolein	2.09	56	79446	204.577	ug/l	91
14) Allyl chloride	2.19	41	439569	67.800	ug/l	98
15) Acrylonitrile	3.08	53	299583	285.474	ug/l	99
16) Acetone	2.34	43	410773	280.986	ug/l	99
17) Carbon Disulfide	1.91	76	1074057	50.586	ug/l	100
18) Methyl Acetate	2.45	43	101620	44.235	ug/l	97
19) Methyl tert-butyl Ether	2.53	73	676072	52.794	ug/l	99
20) Methylene Chloride	2.33	84	228190	31.141	ug/l	94
21) trans-1,2-Dichloroethene	2.41	96	392686	56.084	ug/l	90
22) Diisopropyl ether	2.93	45	795577	49.753	ug/l	98
23) Vinyl Acetate	3.33	43	2699970	250.305	ug/l	99
24) 1,1-Dichloroethane	3.00	63	654242	55.772	ug/l	99
25) 2-Butanone	4.50	43	806108	258.092	ug/l	94
26) 2,2-Dichloropropane	3.76	77	405719	60.449	ug/l	86
27) cis-1,2-Dichloroethene	3.64	96	651398	56.559	ug/l	93
28) Bromochloromethane	3.88	49	305471	46.431	ug/l	95
29) Tetrahydrofuran	4.25	42	309193	244.633	ug/l	98
30) Chloroform	4.04	83	910056	55.877	ug/l	97
31) Cyclohexane	3.86	56	814637	51.721	ug/l	97
32) 1,1,1-Trichloroethane	4.28	97	604140	55.854	ug/l	96
36) 1,1-Dichloropropene	4.46	75	724822	49.511	ug/l	98
37) Ethyl Acetate	4.29	43	249484	41.738	ug/l	97
38) Carbon Tetrachloride	4.17	117	701097	63.678	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)
39) Methylcyclohexane	5.62	83	870569	49.422	ug/l	97
40) Benzene	4.81	78	2052313	51.459	ug/l	97
41) Methacrylonitrile	4.92	41	141846	45.264	ug/l	93
42) 1,2-Dichloroethane	5.12	62	398290	50.079	ug/l	95
43) Isopropyl Acetate	7.10	43	291603	37.656	ug/l	93
44) Trichloroethene	5.67	130	568975	50.760	ug/l	93
45) 1,2-Dichloropropane	6.40	63	488981	48.569	ug/l	99
46) Dibromomethane	6.25	93	299912	51.545	ug/l	96
47) Bromodichloromethane	6.54	83	610973	50.581	ug/l	100
48) Methyl methacrylate	6.86	41	165493	40.887	ug/l	96
49) 1,4-Dioxane	6.85	88	47801	922.059	ug/l #	90
51) 4-Methyl-2-Pentanone	8.39	43	1065285	201.253	ug/l	99
52) Toluene	7.77	92	1001773	47.895	ug/l	100
53) t-1,3-Dichloropropene	8.41	75	470661	47.628	ug/l	97
54) cis-1,3-Dichloropropene	7.44	75	692074	50.030	ug/l	98
55) 1,1,2-Trichloroethane	8.61	97	293521	47.396	ug/l	95
56) Ethyl methacrylate	8.74	69	298914	40.513	ug/l	92
57) 1,3-Dichloropropane	8.98	76	498673	47.274	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.43	63	493832	205.627	ug/l	95
59) 2-Hexanone	9.61	43	776257	223.514	ug/l	94
60) Dibromochloromethane	8.84	129	414249	51.323	ug/l	97
61) 1,2-Dibromoethane	9.12	107	307571	46.758	ug/l	99
64) Tetrachloroethene	8.29	164	428316	53.934	ug/l	98
65) Chlorobenzene	9.92	112	1013819	51.493	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.04	131	433392	54.833	ug/l	97
67) Ethyl Benzene	10.01	91	1754863	51.307	ug/l	100
68) m/p-Xylenes	10.24	106	1318341	102.554	ug/l	96
69) o-Xylene	10.80	106	688402	51.991	ug/l	95
70) Styrene	10.88	104	986868	49.036	ug/l	98
71) Bromoform	10.86	173	215388	54.411	ug/l #	93
73) Isopropylbenzene	11.20	105	1822558	53.565	ug/l	99
74) N-amyl acetate	11.43	43	419176	48.227	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.76	83	360716	51.875	ug/l	99
76) 1,2,3-Trichloropropane	11.86	75	223772	48.977	ug/l	94
77) Bromobenzene	11.57	156	446030	52.737	ug/l	92
78) n-propylbenzene	11.66	91	2062314	51.215	ug/l	100
79) 2-Chlorotoluene	11.79	91	1213028	53.453	ug/l	95
80) 1,3,5-Trimethylbenzene	11.89	105	1468965	53.842	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.93	75	134309	66.133	ug/l	93
82) 4-Chlorotoluene	11.96	91	1160614	51.862	ug/l	98
83) tert-Butylbenzene	12.18	119	1485451	53.665	ug/l	97
84) 1,2,4-Trimethylbenzene	12.26	105	1400583	53.040	ug/l	98
85) sec-Butylbenzene	12.36	105	1967310	52.960	ug/l	98
86) p-Isopropyltoluene	12.51	119	1667042	53.250	ug/l	96
87) 1,3-Dichlorobenzene	12.53	146	794389	51.916	ug/l	98
88) 1,4-Dichlorobenzene	12.62	146	734760	51.169	ug/l	96
89) n-Butylbenzene	12.88	91	1625836	52.674	ug/l	97
90) Hexachloroethane	12.96	117	444035	59.127	ug/l	81
91) 1,2-Dichlorobenzene	12.98	146	742297	54.422	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.68	75	45452	54.793	ug/l	88

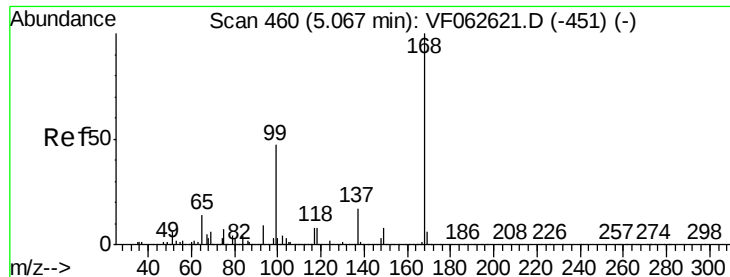
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF052219\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.22	180	519196	53.178	ug/l	94
94) Hexachlorobutadiene	14.21	225	374161	54.915	ug/l	92
95) Naphthalene	14.48	128	846681	47.735	ug/l	99
96) 1,2,3-Trichlorobenzene	14.63	180	494106	53.429	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.04 min Scan# 457

Delta R.T. -0.03 min

Lab File: VF062697.D

Acq: 22 May 2019 10:23

Instrument :

MSVOA_F

ClientSampleId :

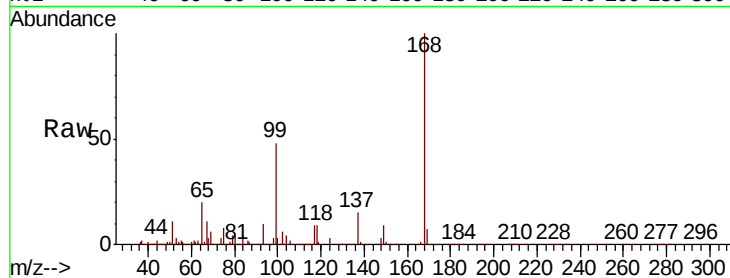
VSTDCCC050

Tot Ion:168 Resp: 797424

Ion Ratio Lower Upper

168 100

99 47.7 37.8 56.8



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.04

300000

250000

200000

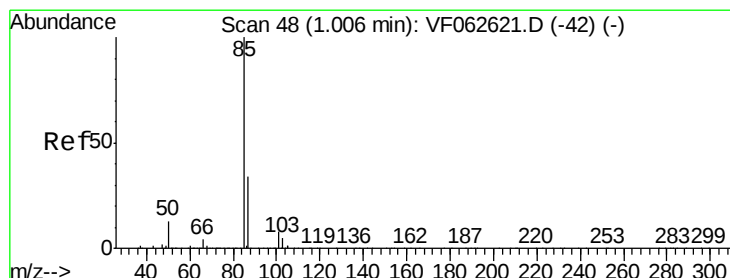
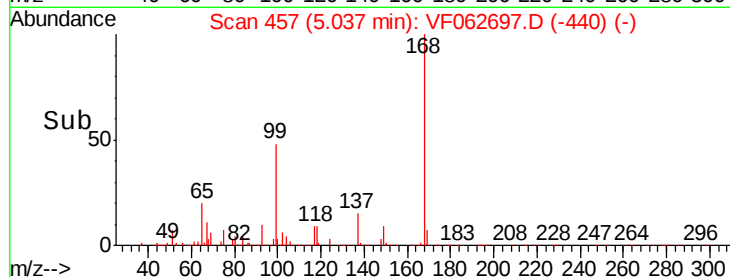
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 46.565 ug/l

RT: 1.01 min Scan# 48

Delta R.T. -0.00 min

Lab File: VF062697.D

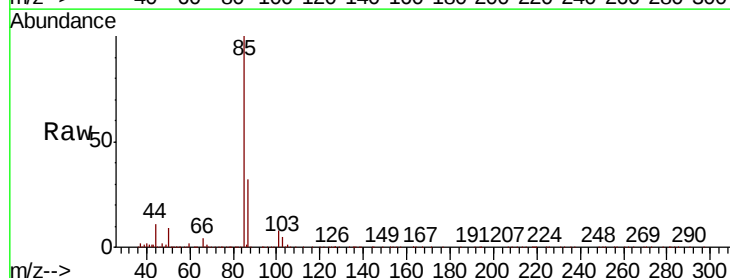
Acq: 22 May 2019 10:23

Tgt Ion: 85 Resp: 505307

Ion Ratio Lower Upper

85 100

87 32.5 16.8 50.3



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

1.01

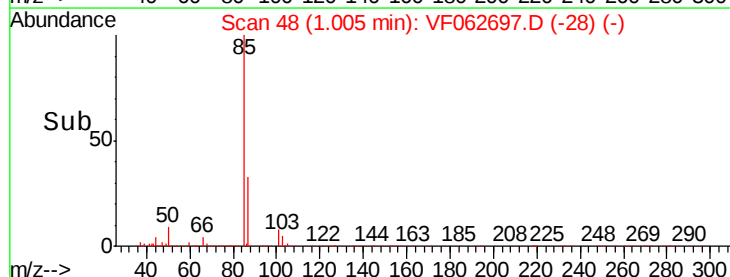
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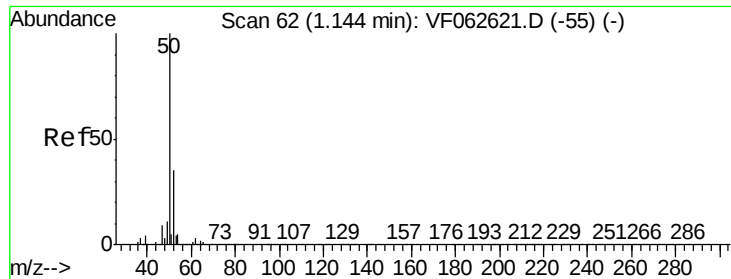
100000

50000

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Time-->





#3

Chloromethane

Concen: 45.648 ug/l

RT: 1.14 min Scan# 62

Delta R.T. -0.00 min

Lab File: VF062697.D

Acq: 22 May 2019 10:23

Instrument :

MSVOA_F

ClientSampleId :

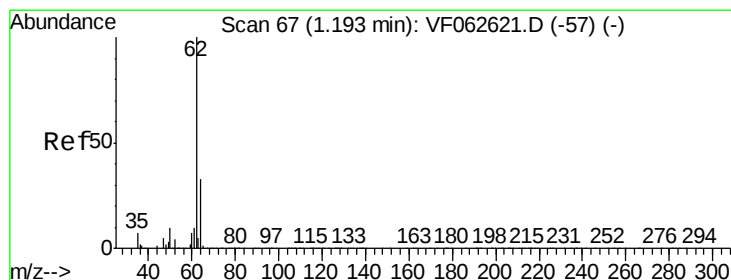
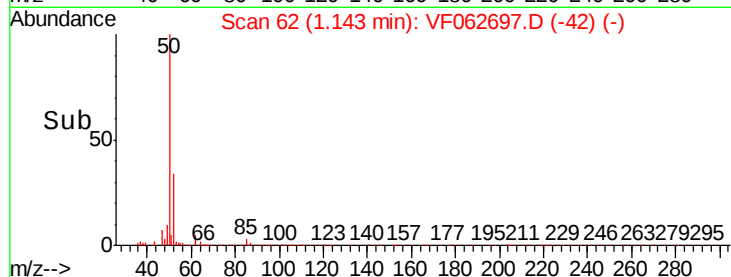
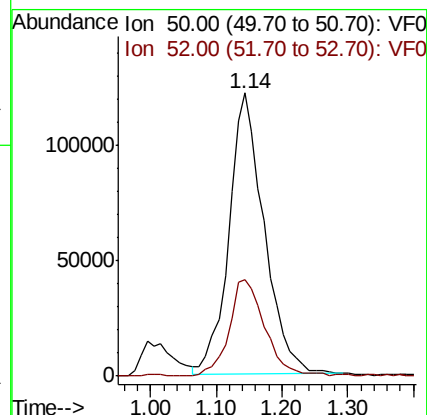
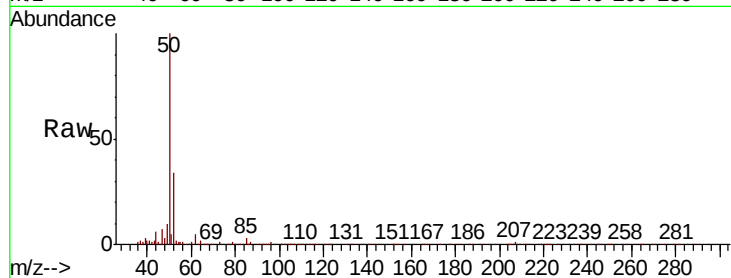
VSTDCCC050

Tot Ion: 50 Resp: 456115

Ion Ratio Lower Upper

50 100

52 34.3 27.5 41.3



#4

Vinyl Chloride

Concen: 47.943 ug/l

RT: 1.19 min Scan# 67

Delta R.T. -0.00 min

Lab File: VF062697.D

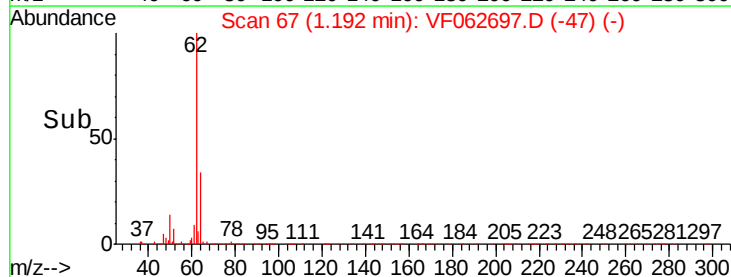
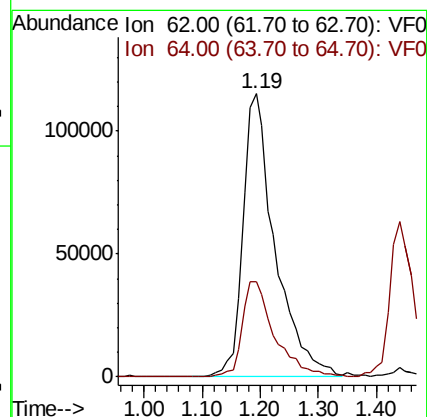
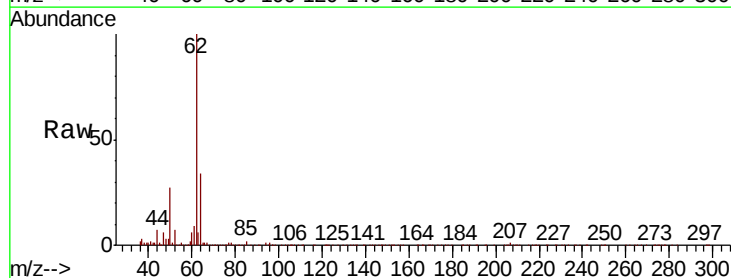
Acq: 22 May 2019 10:23

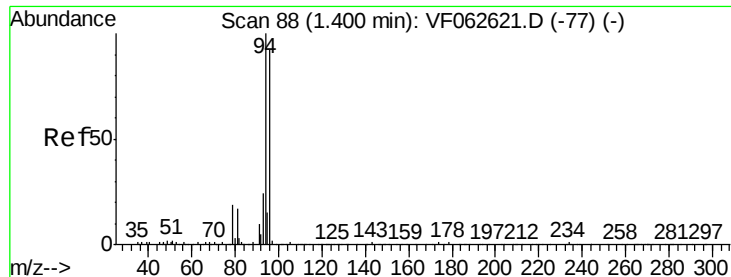
Tgt Ion: 62 Resp: 440960

Ion Ratio Lower Upper

62 100

64 33.7 26.7 40.1





#5

Bromomethane

Concen: 55.030 ug/l

RT: 1.39 min Scan# 87

Delta R.T. -0.01 min

Lab File: VF062697.D

Acq: 22 May 2019 10:23

Instrument :

MSVOA_F

ClientSampleId :

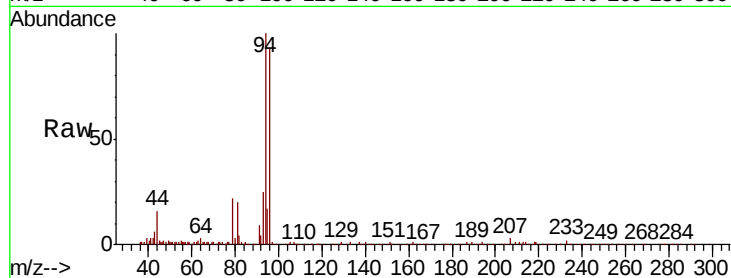
VSTDCCC050

Tot Ion: 94 Resp: 276895

Ion Ratio Lower Upper

94 100

96 92.7 73.2 109.8



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0

60000

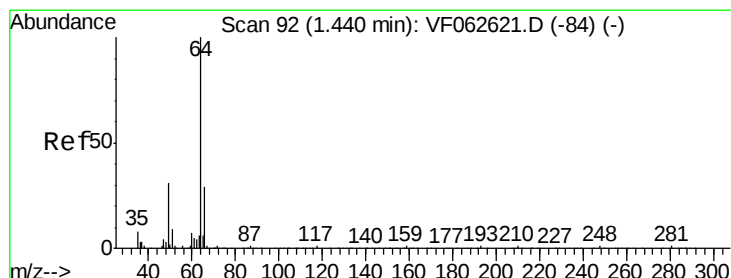
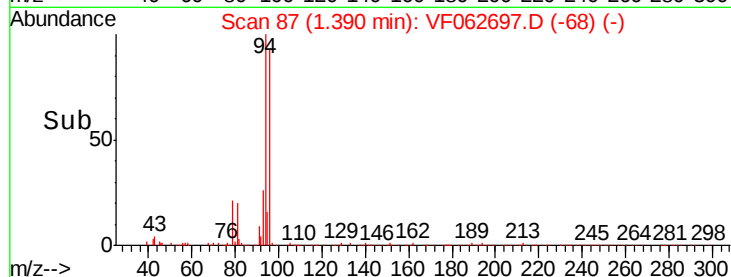
40000

20000

0

1.20 1.40 1.60

Time-->



#6

Chloroethane

Concen: 53.705 ug/l

RT: 1.44 min Scan# 92

Delta R.T. -0.00 min

Lab File: VF062697.D

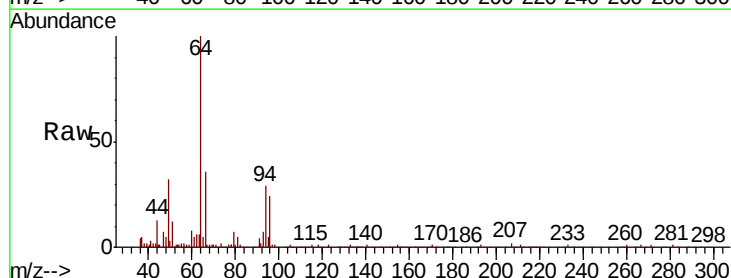
Acq: 22 May 2019 10:23

Tgt Ion: 64 Resp: 181414

Ion Ratio Lower Upper

64 100

66 35.5 23.4 35.2#



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0

60000

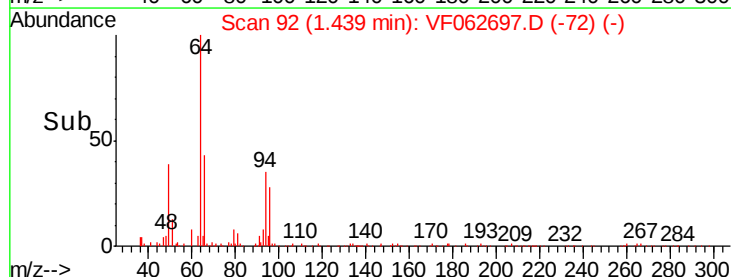
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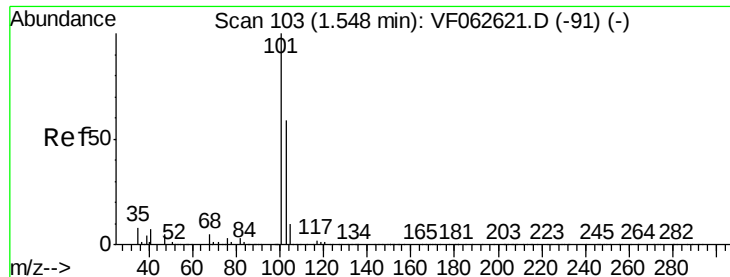
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0

1.30 1.40 1.50 1.60

Time-->



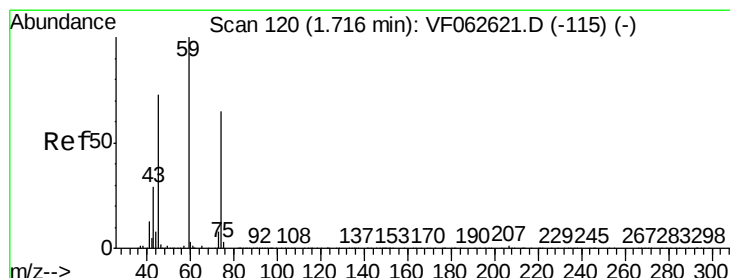
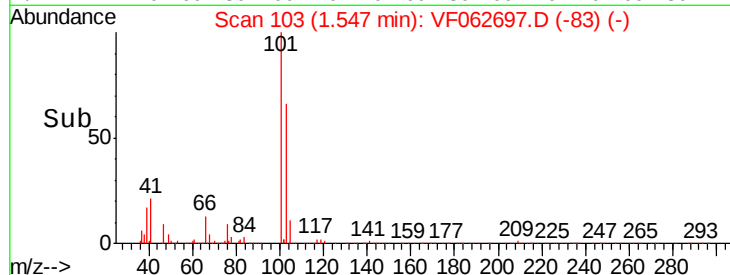
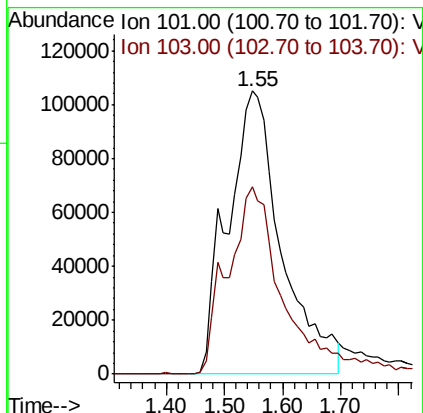
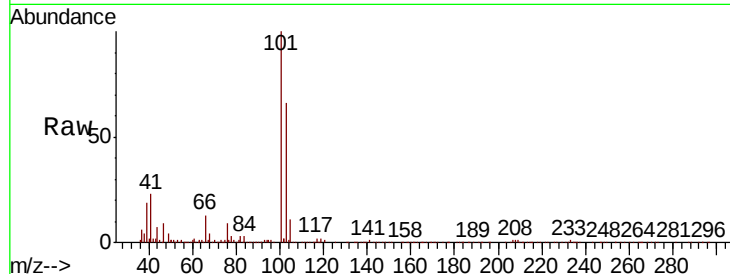


#7

Trichlorofluoromethane
 Concen: 54.924 ug/l
 RT: 1.55 min Scan# 103
 Delta R.T. -0.00 min
 Lab File: VF062697.D
 Acq: 22 May 2019 10:23

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

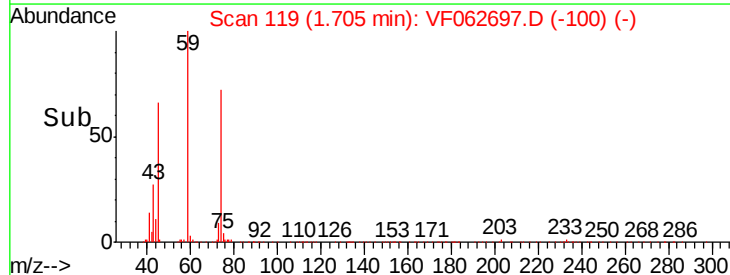
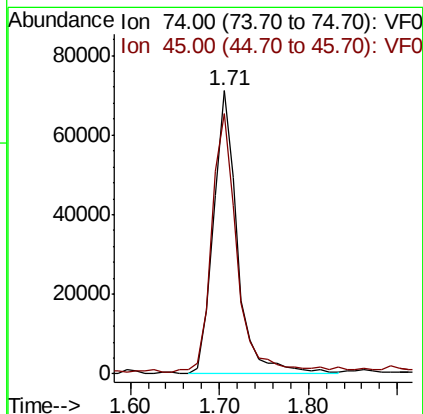
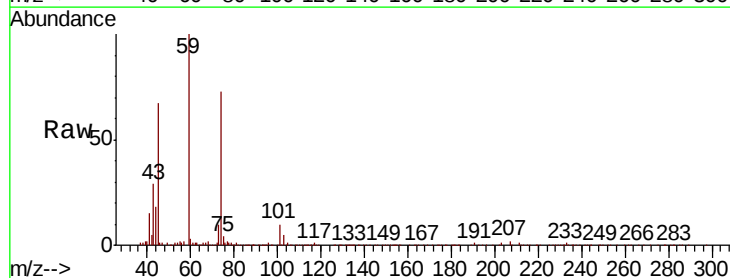
Tot Ion:101 Resp: 678299
 Ion Ratio Lower Upper
 101 100
 103 66.3 47.3 70.9

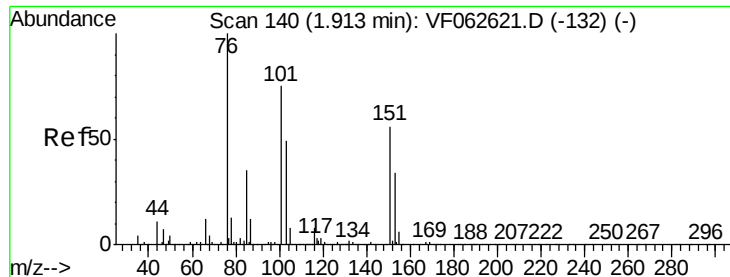


#8

Diethyl Ether
 Concen: 53.790 ug/l
 RT: 1.71 min Scan# 119
 Delta R.T. -0.01 min
 Lab File: VF062697.D
 Acq: 22 May 2019 10:23

Tgt Ion: 74 Resp: 131601
 Ion Ratio Lower Upper
 74 100
 45 92.0 57.0 170.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.162 ug/l

RT: 1.90 min Scan# 139

Delta R.T. -0.01 min

Lab File: VF062697.D

Acq: 22 May 2019 10:23

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

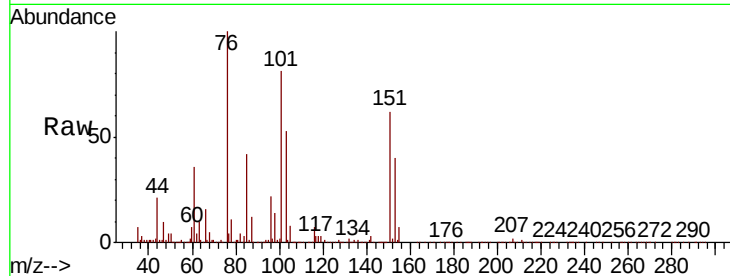
Tot Ion:101 Resp: 410190

Ion Ratio Lower Upper

101 100

85 52.0 37.1 55.7

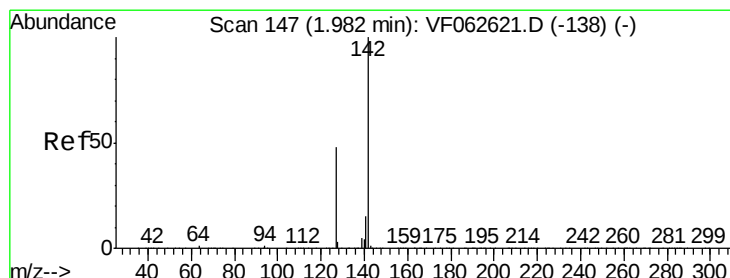
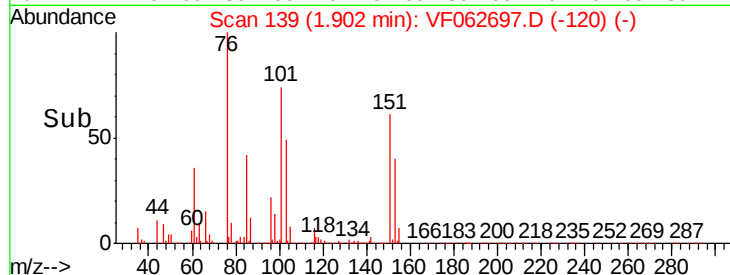
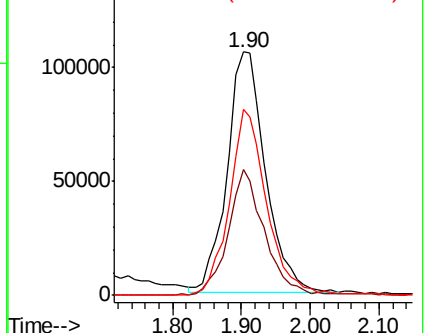
151 76.4 58.8 88.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 54.277 ug/l

RT: 1.98 min Scan# 147

Delta R.T. -0.00 min

Lab File: VF062697.D

Acq: 22 May 2019 10:23

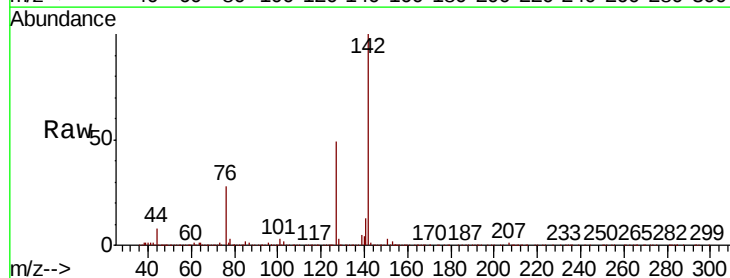
Tgt Ion:142 Resp: 838447

Ion Ratio Lower Upper

142 100

127 49.4 38.1 57.1

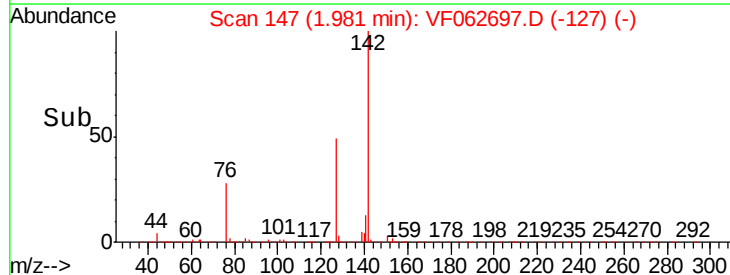
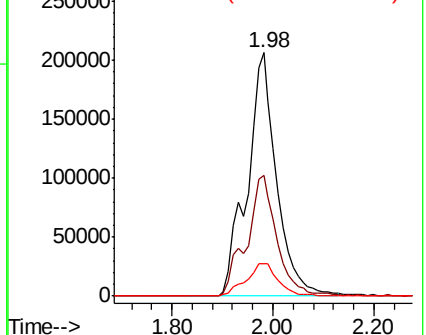
141 13.3 11.7 17.5

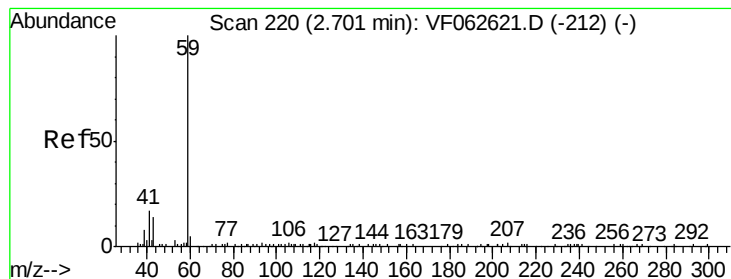


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



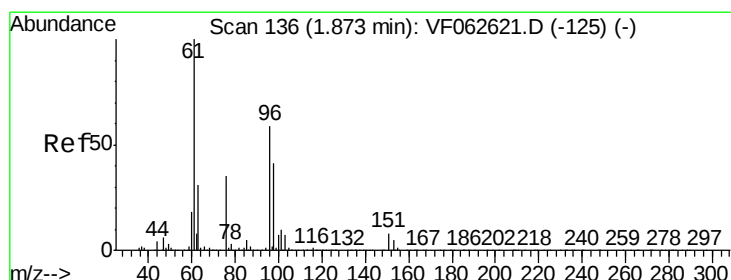
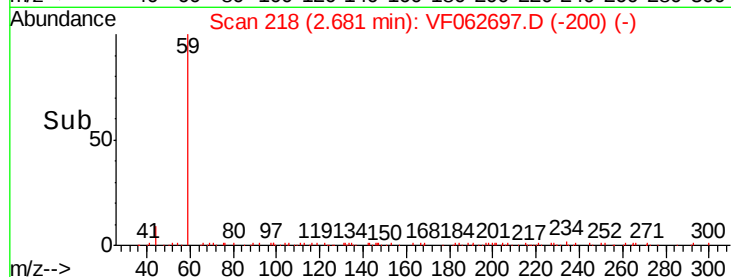
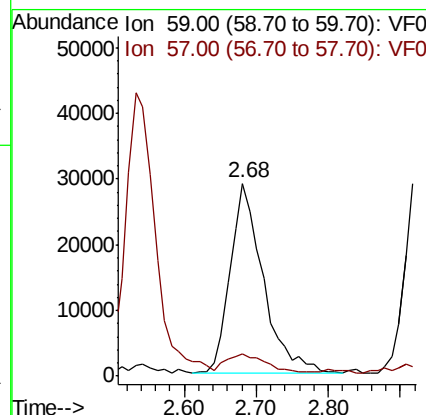
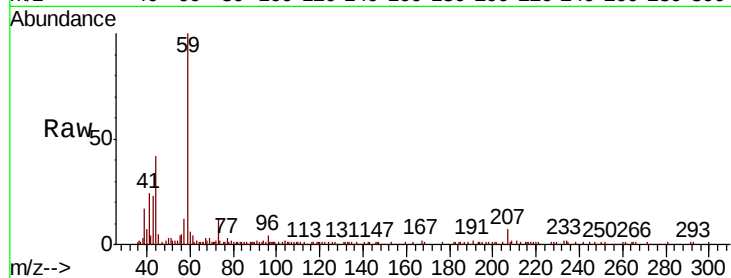


#11

Tert butyl alcohol
 Concen: 246.687 ug/l
 RT: 2.68 min Scan# 218
 Delta R.T. -0.02 min
 Lab File: VF062697.D
 Acq: 22 May 2019 10:23

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

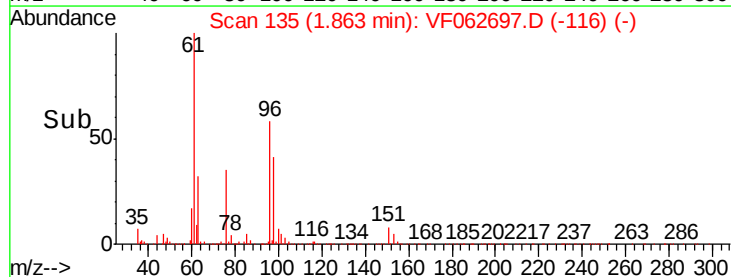
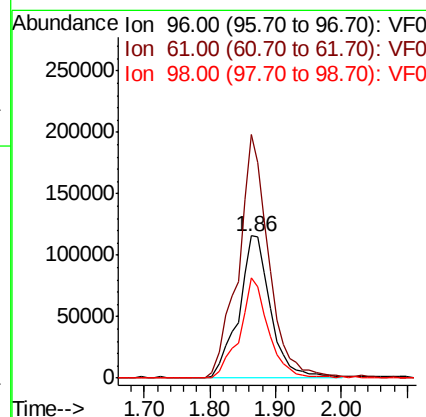
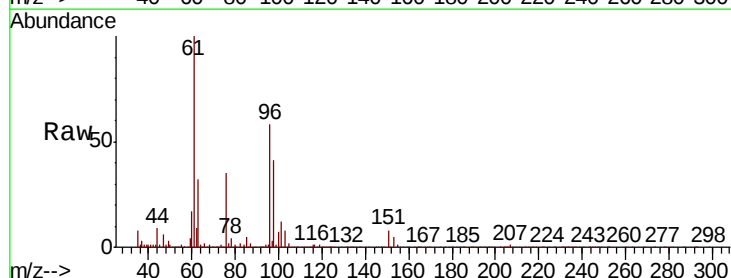
Tot Ion: 59 Resp: 91774
 Ion Ratio Lower Upper
 59 100
 57 11.7 9.3 13.9

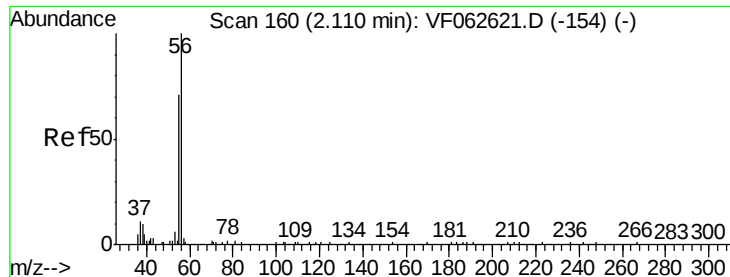


#12

1,1-Dichloroethene
 Concen: 53.859 ug/l
 RT: 1.86 min Scan# 135
 Delta R.T. -0.01 min
 Lab File: VF062697.D
 Acq: 22 May 2019 10:23

Tgt Ion: 96 Resp: 385819
 Ion Ratio Lower Upper
 96 100
 61 171.3 134.3 201.5
 98 70.7 55.0 82.6





#13

Acrolein

Concen: 204.577 ug/l

RT: 2.09 min Scan# 158

Delta R.T. -0.02 min

Lab File: VF062697.D

Acq: 22 May 2019 10:23

Instrument :

MSVOA_F

ClientSampleId :

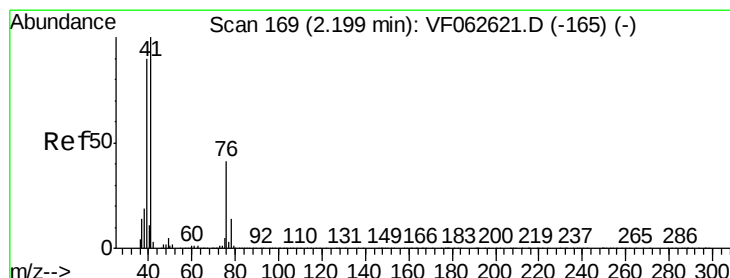
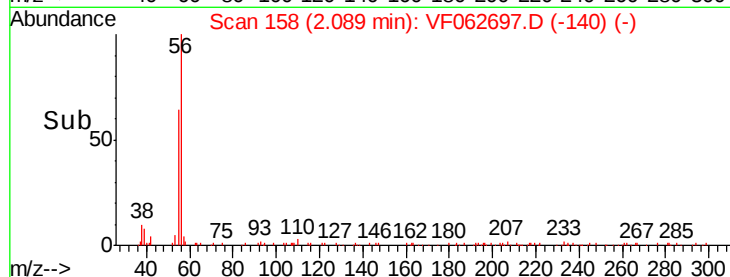
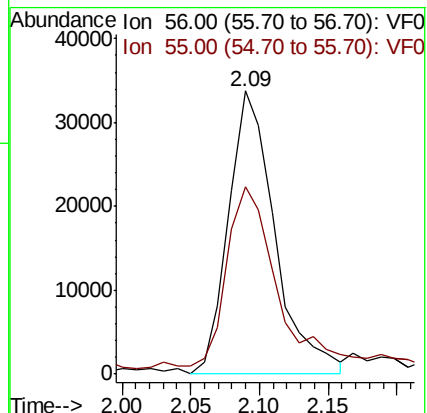
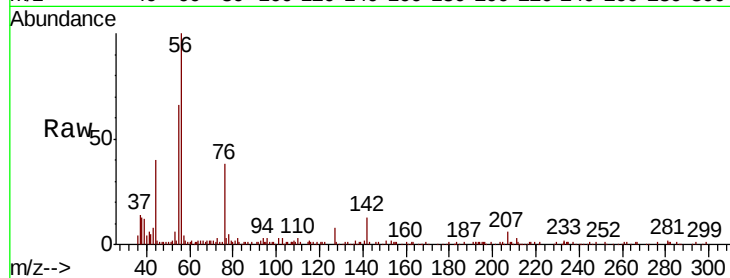
VSTDCCC050

Tot Ion: 56 Resp: 79446

Ion Ratio Lower Upper

56 100

55 66.4 59.4 89.0



#14

Allyl chloride

Concen: 67.800 ug/l

RT: 2.19 min Scan# 168

Delta R.T. -0.01 min

Lab File: VF062697.D

Acq: 22 May 2019 10:23

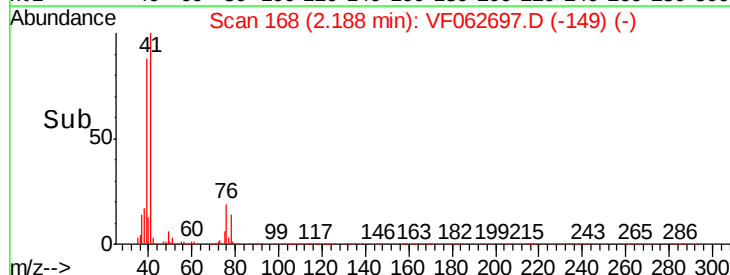
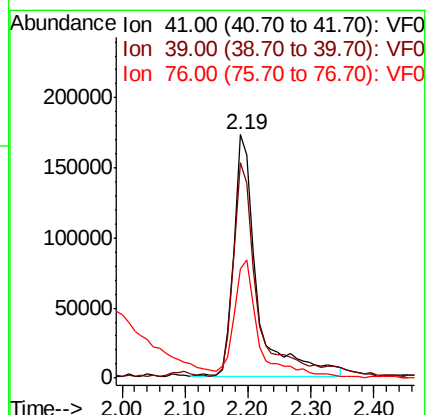
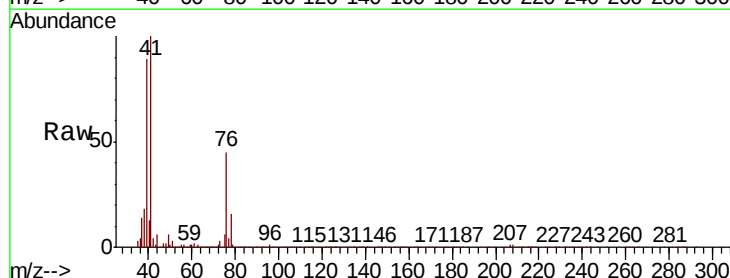
Tgt Ion: 41 Resp: 439569

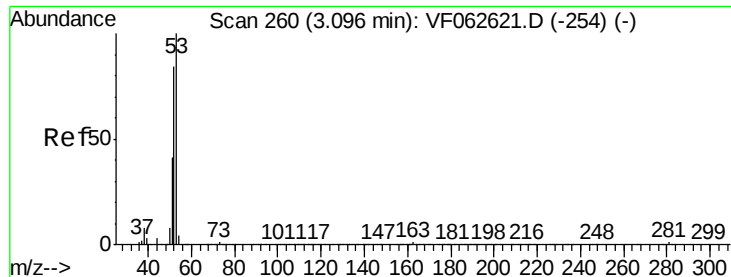
Ion Ratio Lower Upper

41 100

39 88.5 72.0 108.0

76 44.7 34.8 52.2





#15

Acrylonitrile

Concen: 285.474 ug/l

RT: 3.08 min Scan# 258

Delta R.T. -0.02 min

Lab File: VF062697.D

Acq: 22 May 2019 10:23

Instrument :

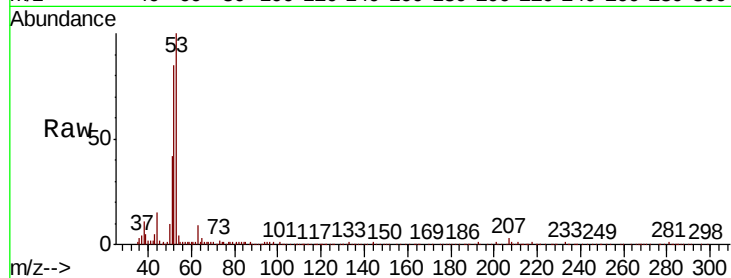
MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 53 Resp: 299583

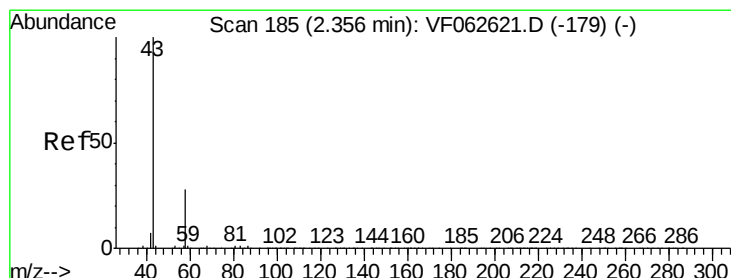
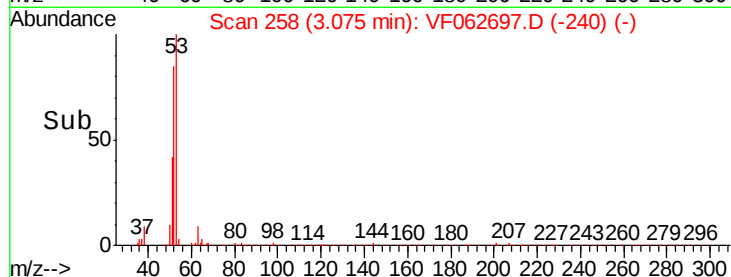
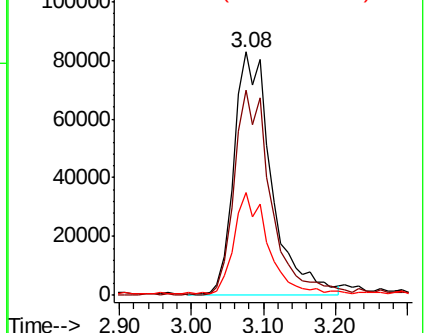
Ion	Ratio	Lower	Upper
53	100		
52	84.5	67.3	100.9
51	42.4	33.0	49.6



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: 280.986 ug/l

RT: 2.34 min Scan# 183

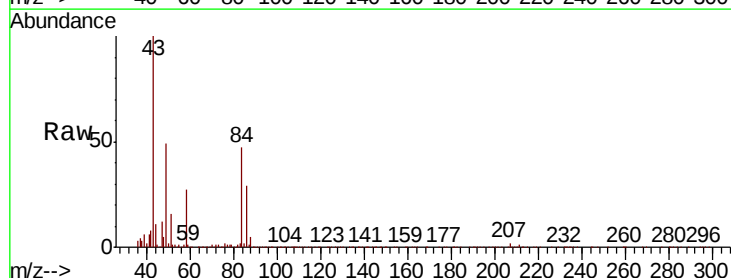
Delta R.T. -0.02 min

Lab File: VF062697.D

Acq: 22 May 2019 10:23

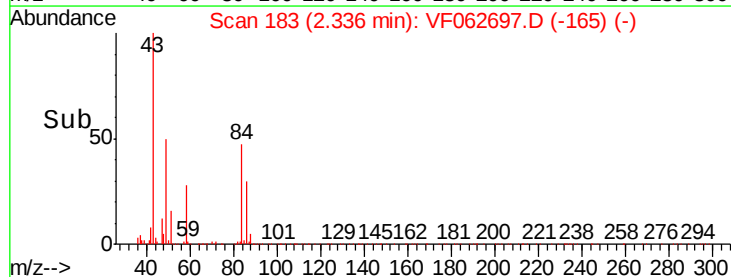
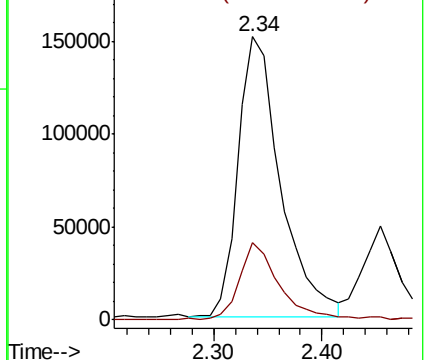
Tgt Ion: 43 Resp: 410773

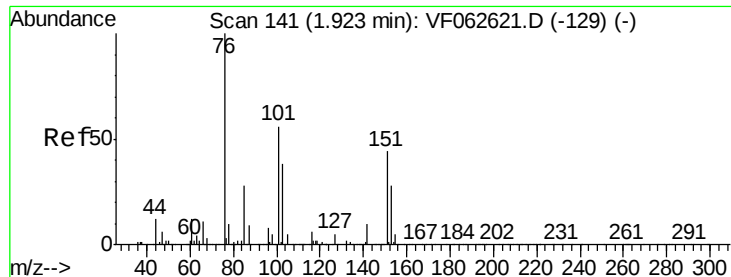
Ion	Ratio	Lower	Upper
43	100		
58	27.5	22.6	33.8



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

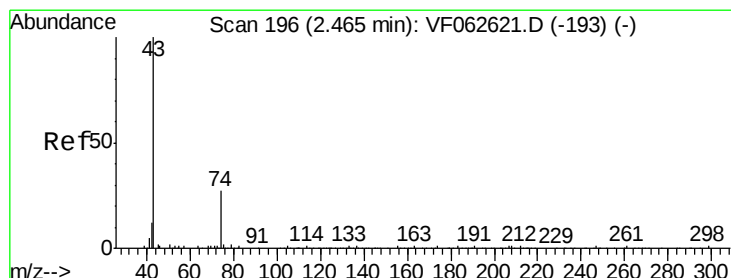
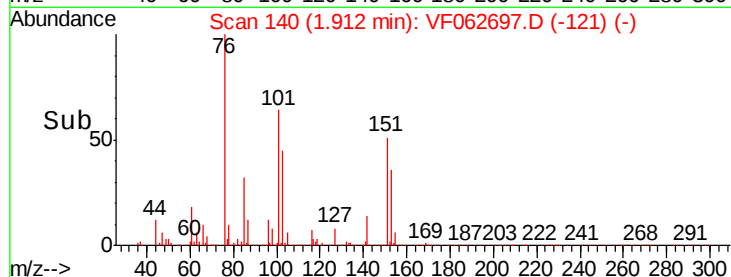
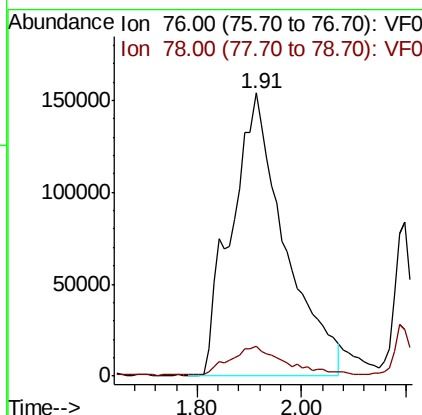
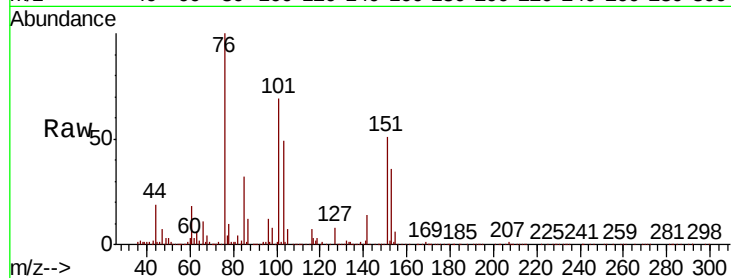




#17
Carbon Disulfide
Concen: 50.586 ug/l
RT: 1.91 min Scan# 140
Delta R.T. -0.01 min
Lab File: VF062697.D
Acq: 22 May 2019 10:23

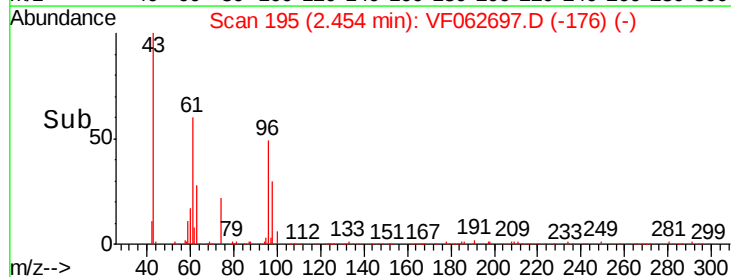
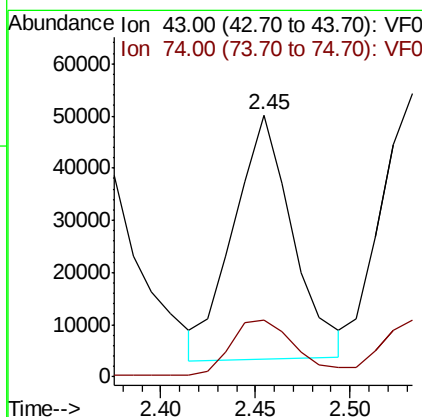
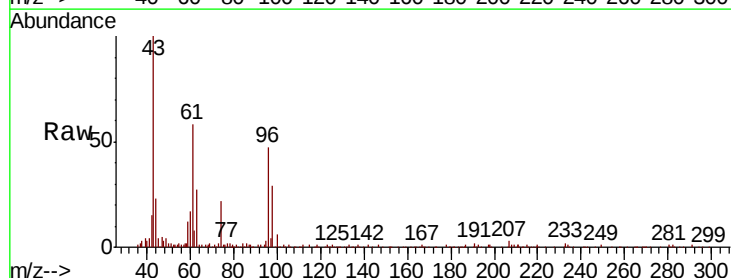
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

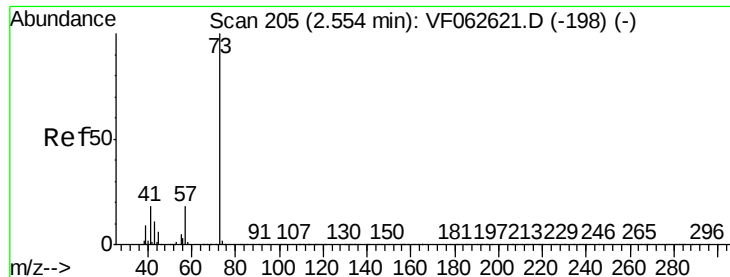
Tot Ion: 76 Resp: 1074057
Ion Ratio Lower Upper
76 100
78 10.5 8.4 12.6



#18
Methyl Acetate
Concen: 44.235 ug/l
RT: 2.45 min Scan# 195
Delta R.T. -0.01 min
Lab File: VF062697.D
Acq: 22 May 2019 10:23

Tgt Ion: 43 Resp: 101620
Ion Ratio Lower Upper
43 100
74 21.9 18.9 28.3

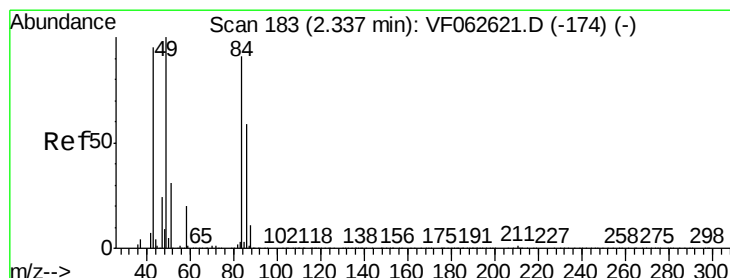
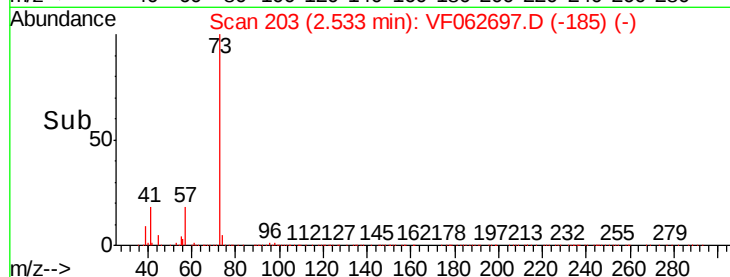
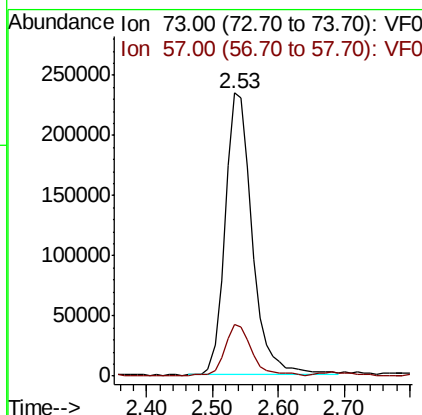
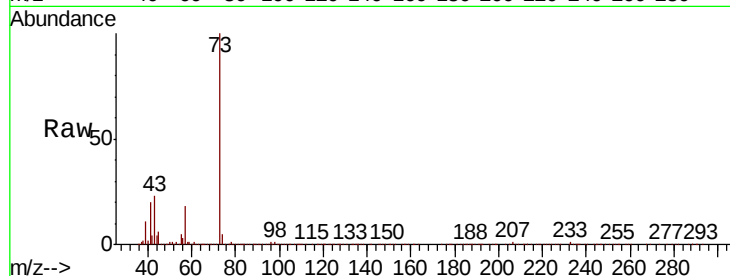




#19
Methvl tert-butvl Ether
Concen: 52.794 ug/l
RT: 2.53 min Scan# 203
Delta R.T. -0.02 min
Lab File: VF062697.D
Acq: 22 May 2019 10:23

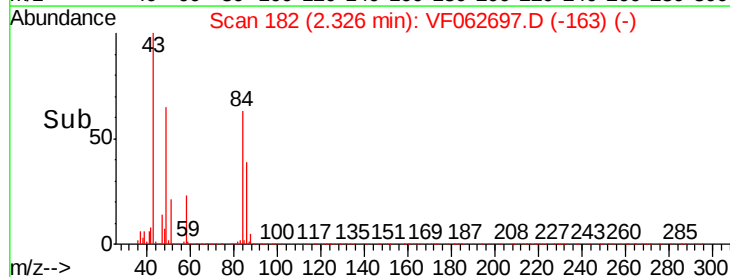
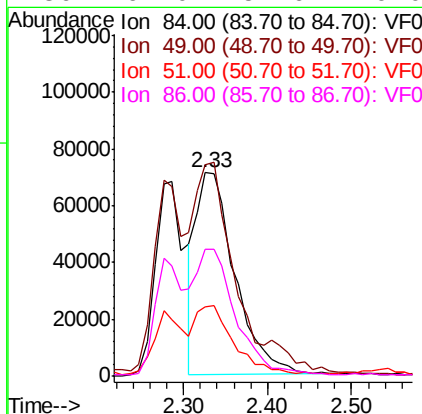
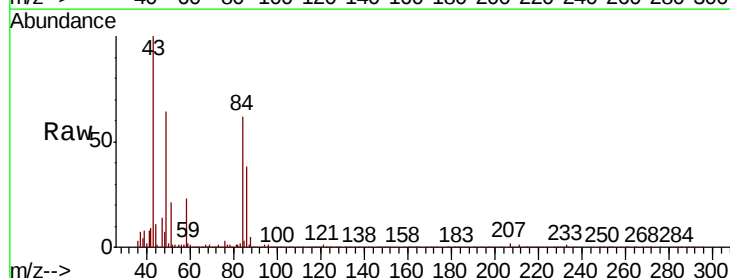
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

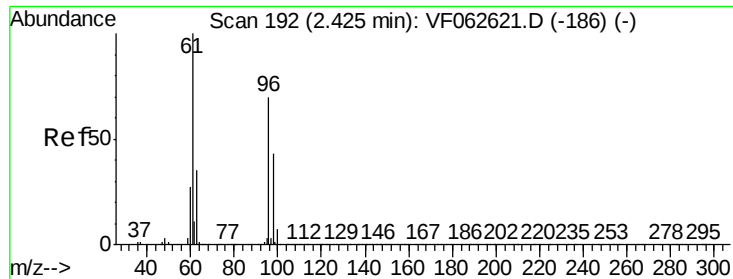
Tot Ion: 73 Resp: 676072
Ion Ratio Lower Upper
73 100
57 18.3 14.2 21.4



#20
Methylene Chloride
Concen: 31.141 ug/l
RT: 2.33 min Scan# 182
Delta R.T. -0.01 min
Lab File: VF062697.D
Acq: 22 May 2019 10:23

Tgt Ion: 84 Resp: 228190
Ion Ratio Lower Upper
84 100
49 104.1 89.8 134.8
51 33.9 28.4 42.6
86 62.0 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 56.084 ug/l

RT: 2.41 min Scan# 191

Delta R.T. -0.01 min

Lab File: VF062697.D

Acq: 22 May 2019 10:23

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

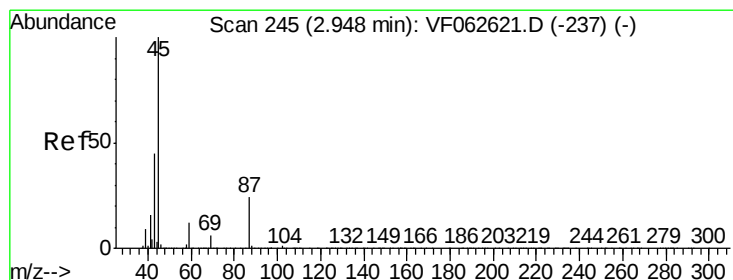
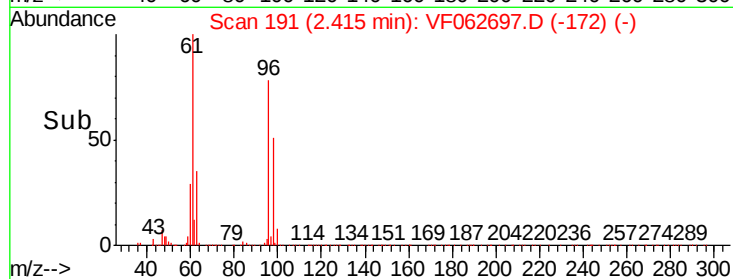
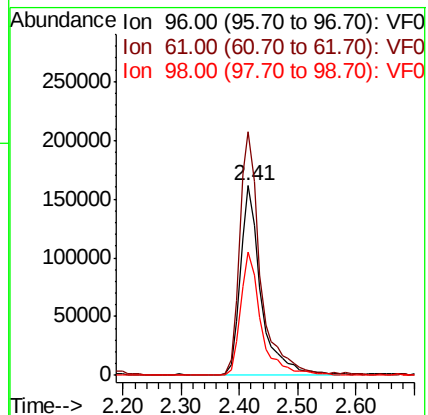
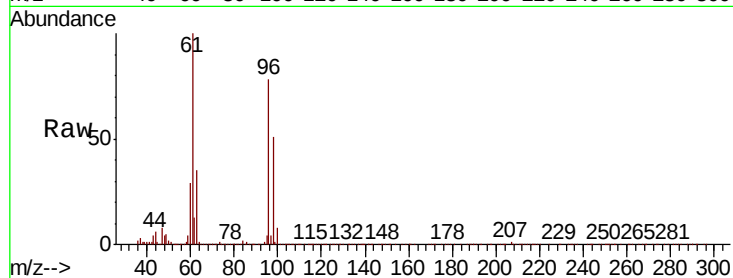
Tot Ion: 96 Resp: 392686

Ion Ratio Lower Upper

96 100

61 128.7 114.6 171.8

98 65.4 49.5 74.3



#22

Diisopropyl ether

Concen: 49.753 ug/l

RT: 2.93 min Scan# 243

Delta R.T. -0.02 min

Lab File: VF062697.D

Acq: 22 May 2019 10:23

Tgt Ion: 45 Resp: 795577

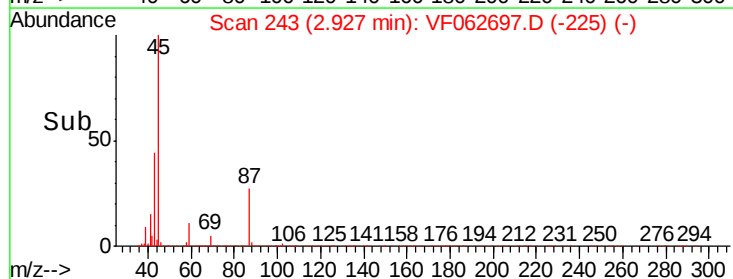
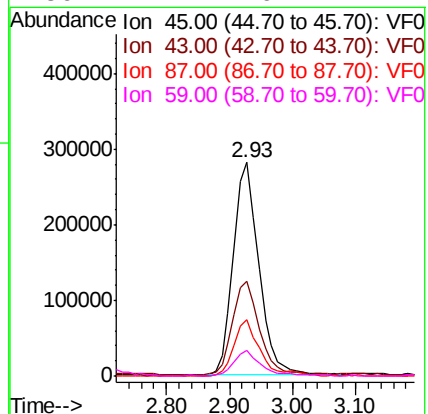
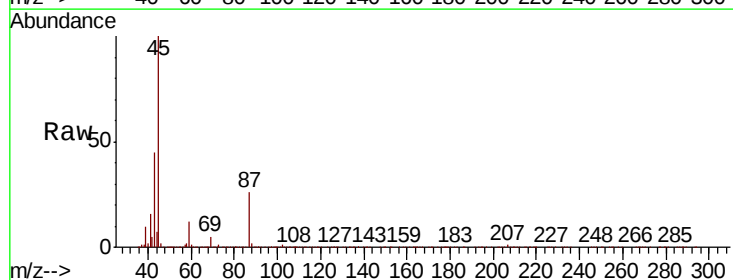
Ion Ratio Lower Upper

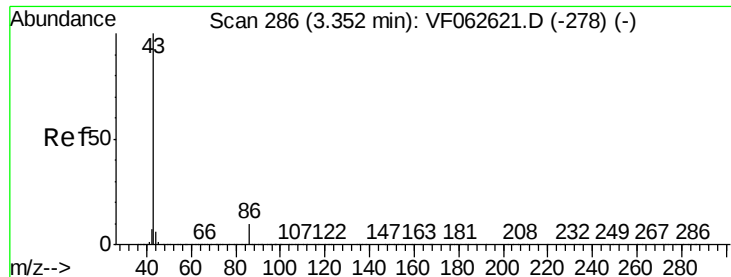
45 100

43 44.6 36.4 54.6

87 26.4 19.3 28.9

59 12.2 9.4 14.2

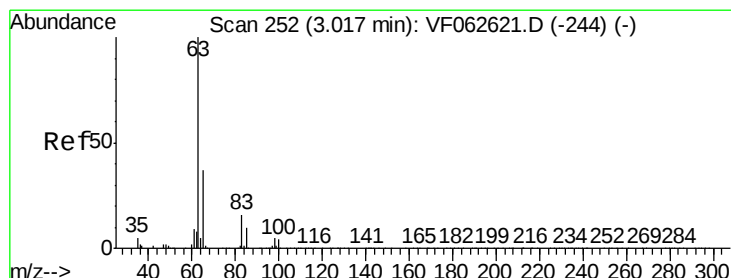
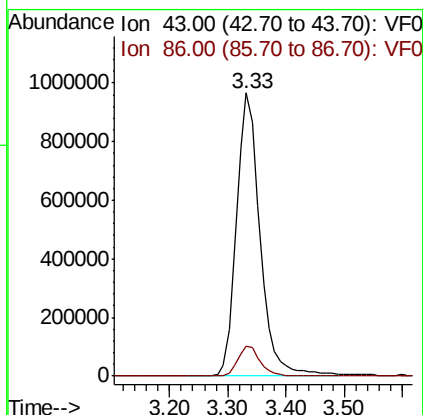
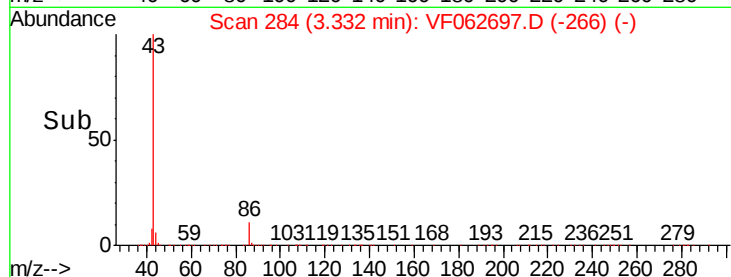
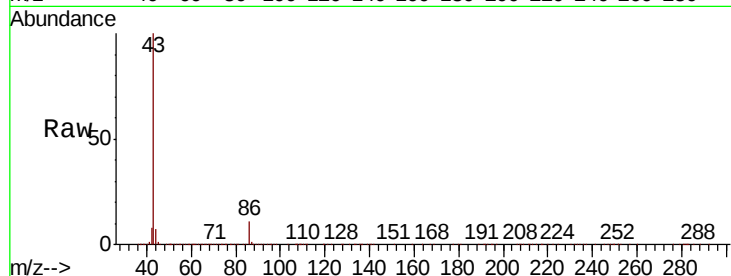




#23
 Vinyl Acetate
 Concen: 250.305 ug/l
 RT: 3.33 min Scan# 284
 Delta R.T. -0.02 min
 Lab File: VF062697.D
 Acq: 22 May 2019 10:23

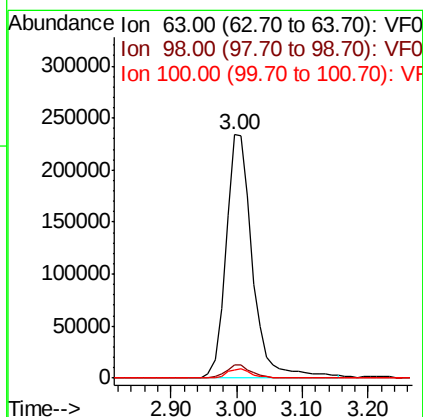
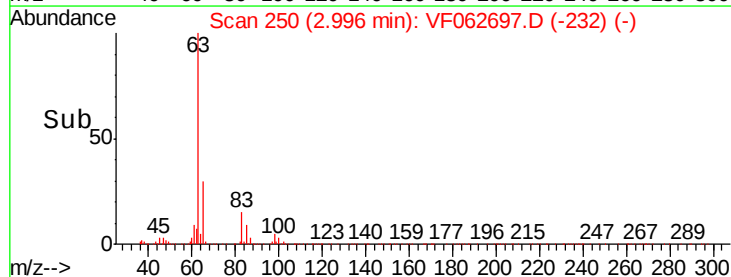
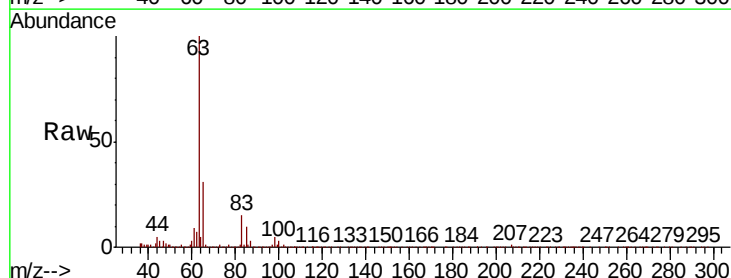
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 2699970
 Ion Ratio Lower Upper
 43 100
 86 10.6 8.2 12.2



#24
 1,1-Dichloroethane
 Concen: 55.772 ug/l
 RT: 3.00 min Scan# 250
 Delta R.T. -0.02 min
 Lab File: VF062697.D
 Acq: 22 May 2019 10:23

Tgt Ion: 63 Resp: 654242
 Ion Ratio Lower Upper
 63 100
 98 5.5 2.8 8.3
 100 3.2 1.9 5.7





#25

2-Butanone

Concen: 258.092 ug/l

RT: 4.50 min Scan# 403

Delta R.T. -0.03 min

Lab File: VF062697.D

Acq: 22 May 2019 10:23

Instrument :

MSVOA_F

ClientSampleId :

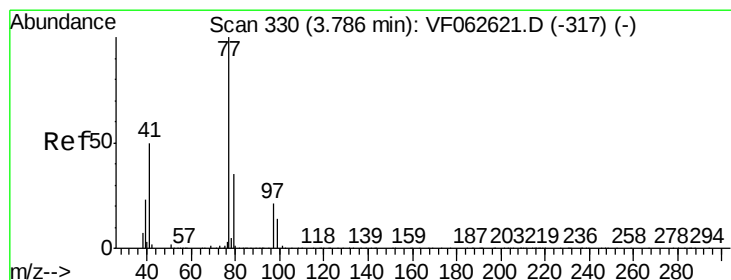
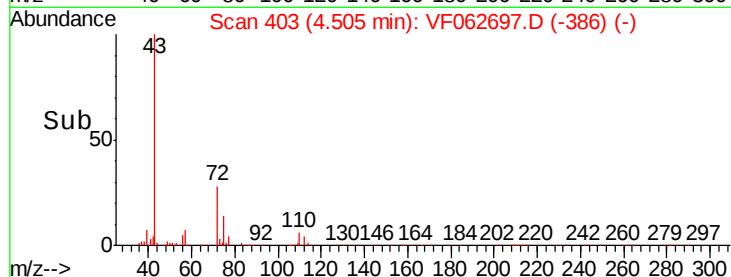
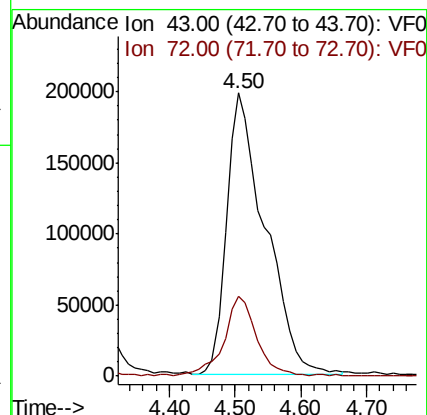
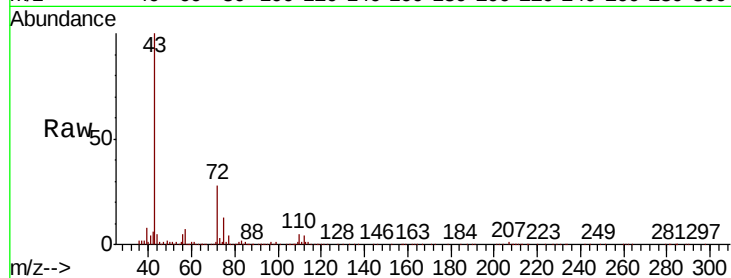
VSTDCCC050

Tot Ion: 43 Resp: 806108

Ion Ratio Lower Upper

43 100

72 28.0 20.1 30.1



#26

2,2-Dichloropropane

Concen: 60.449 ug/l

RT: 3.76 min Scan# 327

Delta R.T. -0.03 min

Lab File: VF062697.D

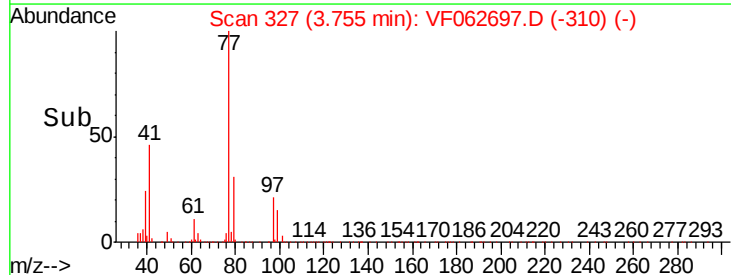
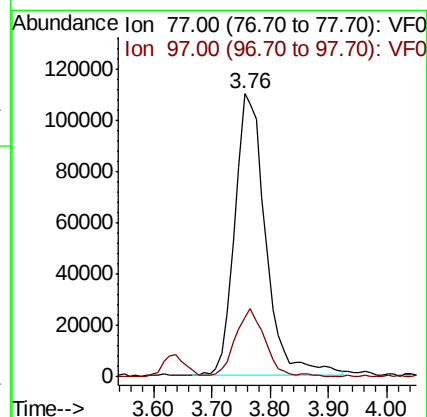
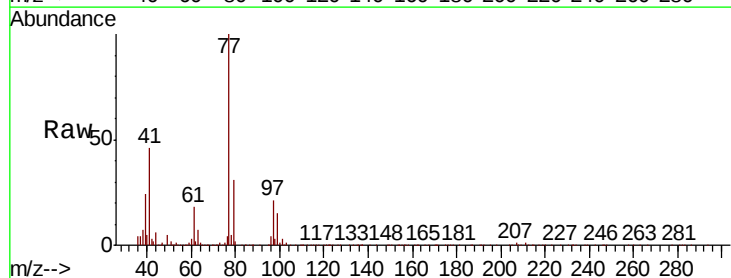
Acq: 22 May 2019 10:23

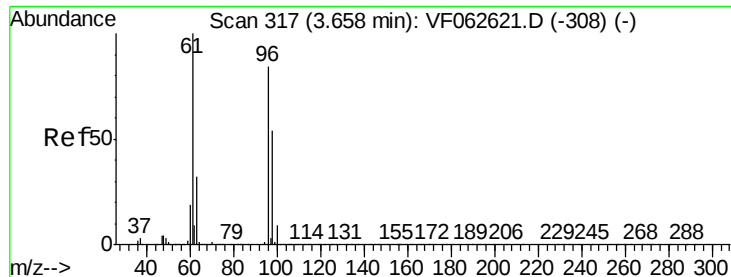
Tgt Ion: 77 Resp: 405719

Ion Ratio Lower Upper

77 100

97 20.9 14.1 42.4



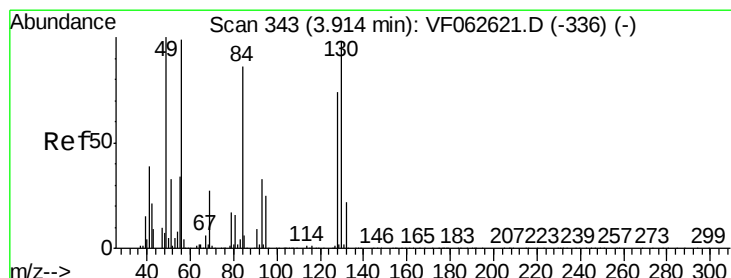
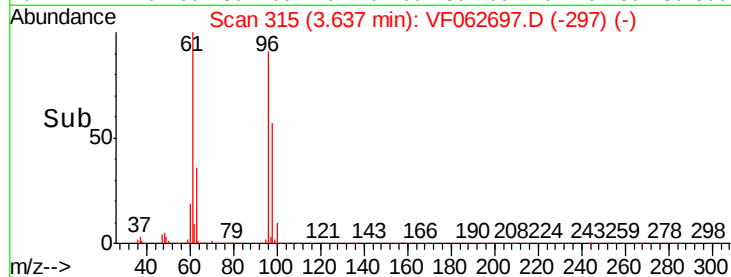
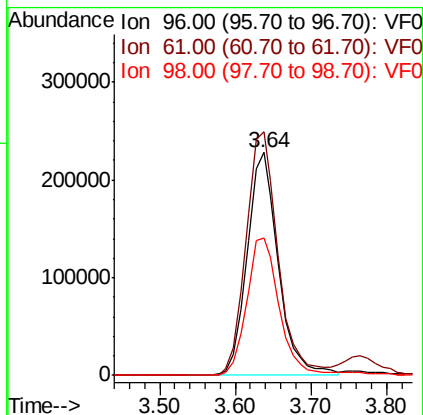
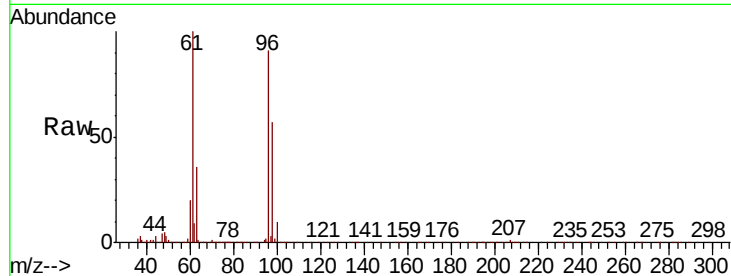


#27

cis-1,2-Dichloroethene
 Concen: 56.559 ug/l
 RT: 3.64 min Scan# 315
 Delta R.T. -0.02 min
 Lab File: VF062697.D
 Acq: 22 May 2019 10:23

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

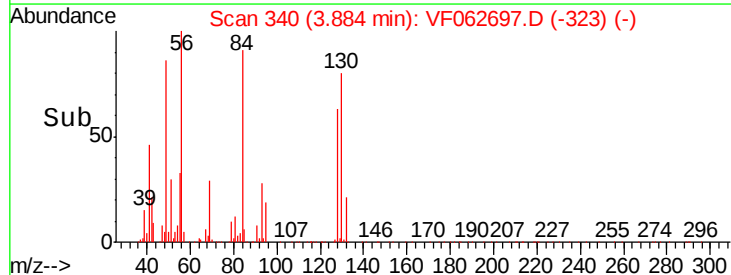
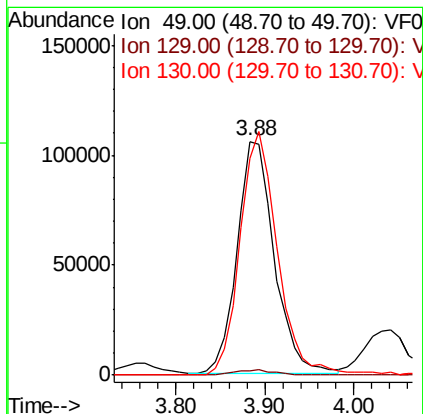
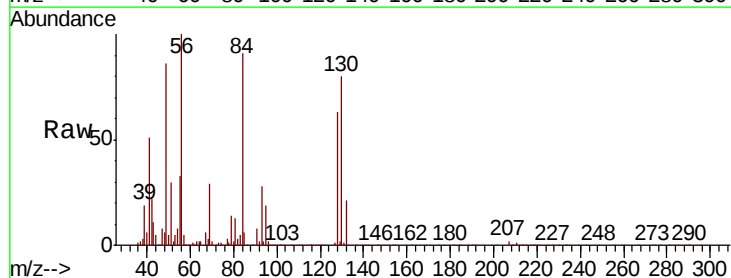
Tot Ion	Ratio	Lower	Upper
96	100		
61	109.4	0.0	237.4
98	61.9	0.0	129.0

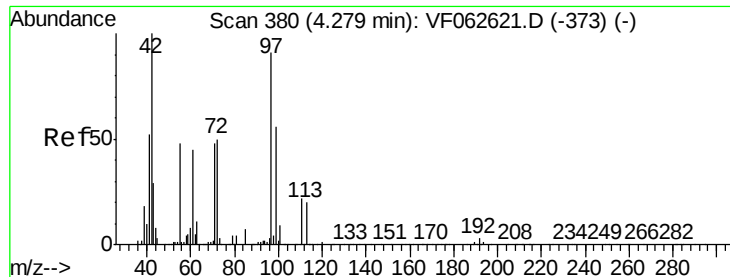


#28

Bromochloromethane
 Concen: 46.431 ug/l
 RT: 3.88 min Scan# 340
 Delta R.T. -0.03 min
 Lab File: VF062697.D
 Acq: 22 May 2019 10:23

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.0
130	92.8	77.8	116.8

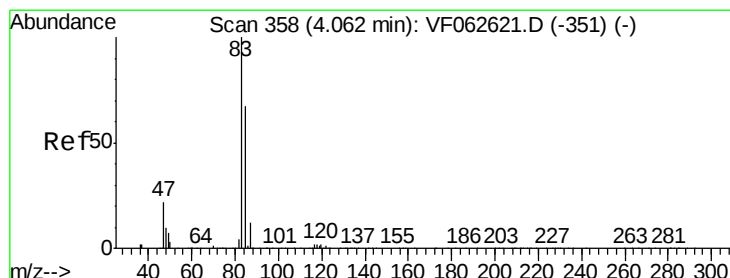
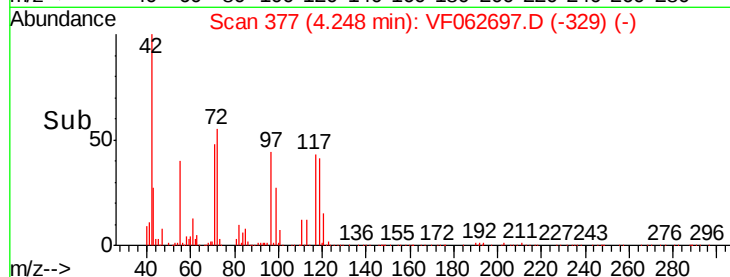
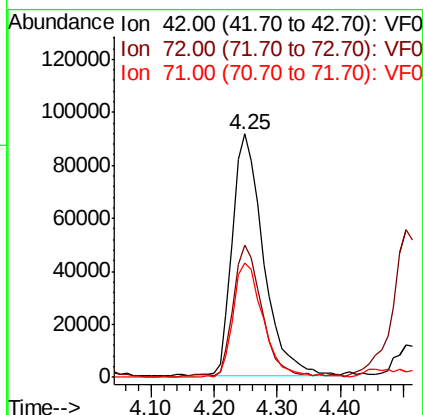
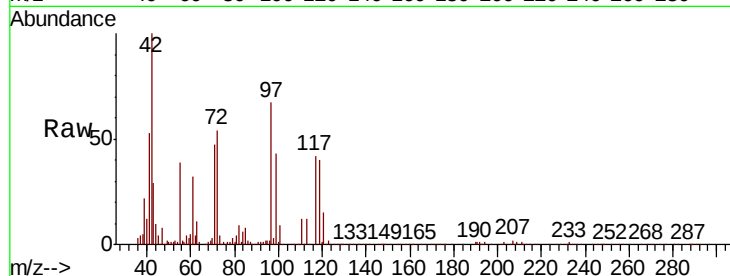




#29
Tetrahydrofuran
Concen: 244.633 ug/l
RT: 4.25 min Scan# 377
Delta R.T. -0.03 min
Lab File: VF062697.D
Acq: 22 May 2019 10:23

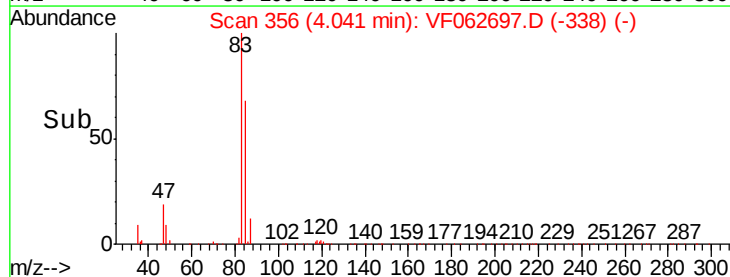
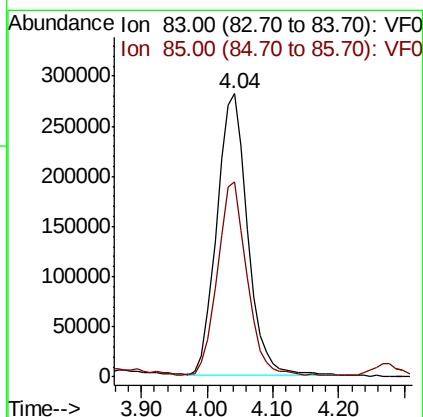
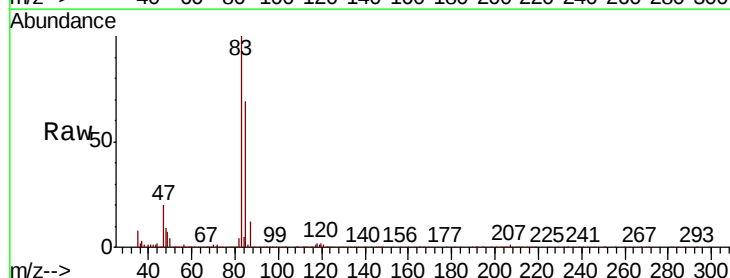
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

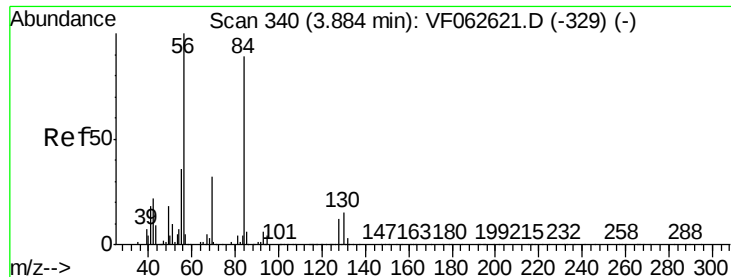
Tot Ion	Ratio	Lower	Upper
42	100		
72	49.5	38.2	57.2
71	45.8	35.8	53.6



#30
Chloroform
Concen: 55.877 ug/l
RT: 4.04 min Scan# 356
Delta R.T. -0.02 min
Lab File: VF062697.D
Acq: 22 May 2019 10:23

Tgt Ion	Ratio	Lower	Upper
83	100		
85	69.1	53.6	80.4

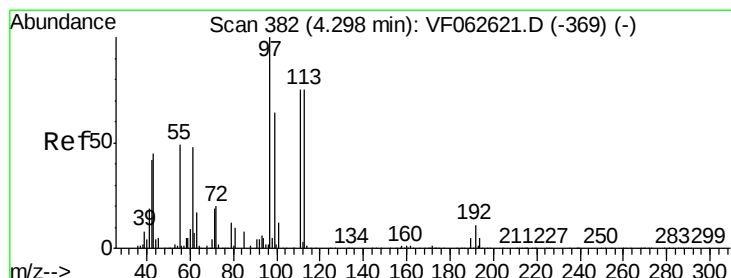
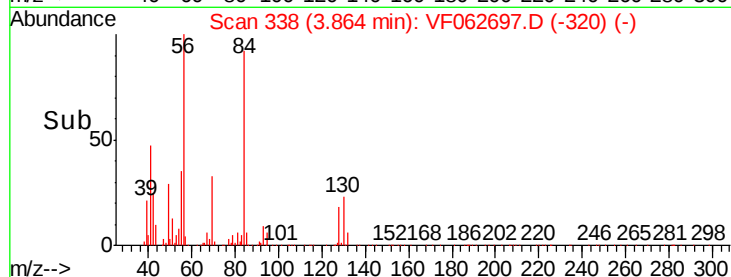
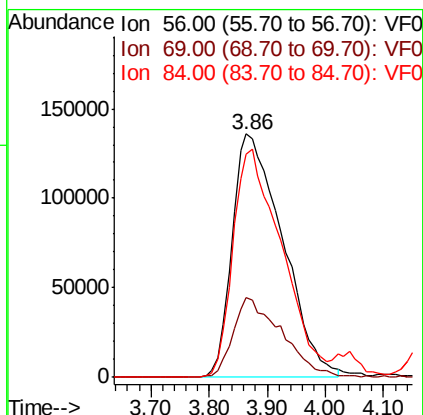
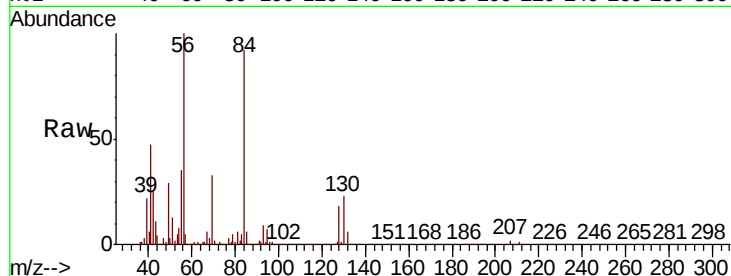




#31
Cyclohexane
Concen: 51.721 ug/l
RT: 3.86 min Scan# 338
Delta R.T. -0.02 min
Lab File: VF062697.D
Acq: 22 May 2019 10:23

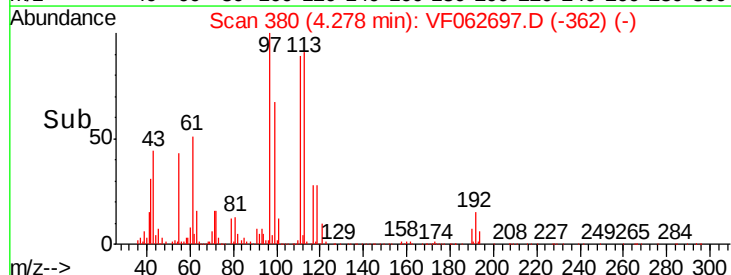
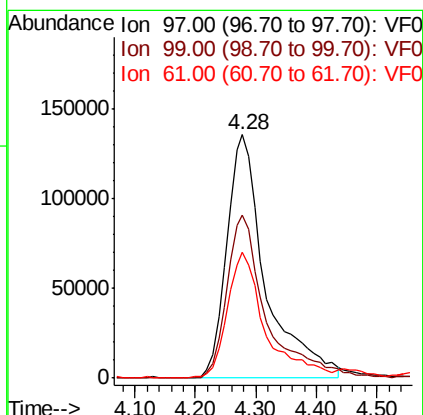
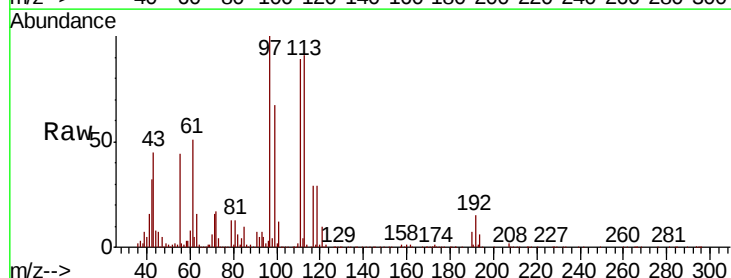
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

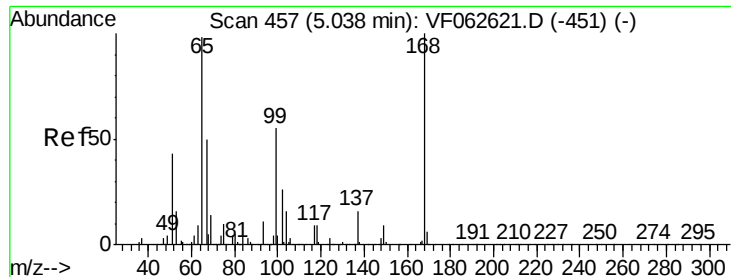
Tot Ion	Ratio	Lower	Upper
56	100		
69	32.6	25.3	37.9
84	91.8	71.0	106.4



#32
1,1,1-Trichloroethane
Concen: 55.854 ug/l
RT: 4.28 min Scan# 380
Delta R.T. -0.02 min
Lab File: VF062697.D
Acq: 22 May 2019 10:23

Tgt Ion	Ratio	Lower	Upper
97	100		
99	66.8	51.3	76.9
61	51.4	38.2	57.2





#33

1,2-Dichloroethane-d4

Concen: 48.614 ug/l

RT: 5.02 min Scan# 455

Delta R.T. -0.02 min

Lab File: VF062697.D

Acq: 22 May 2019 10:23

Instrument :

MSVOA_F

ClientSampleId :

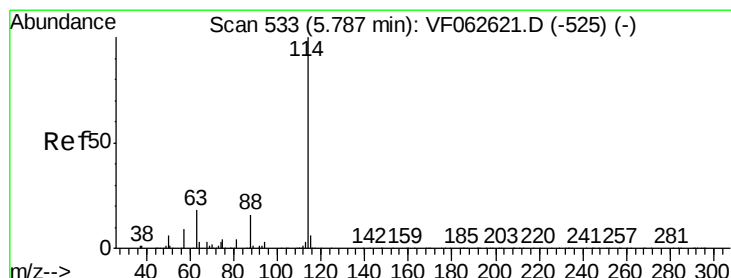
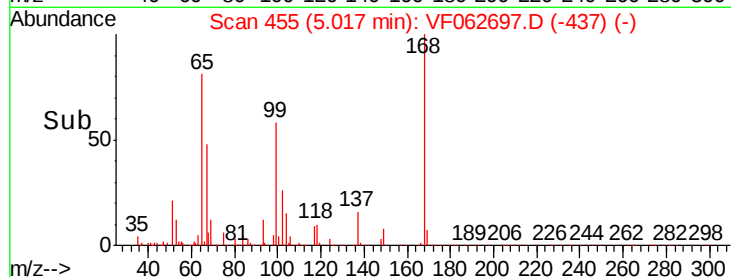
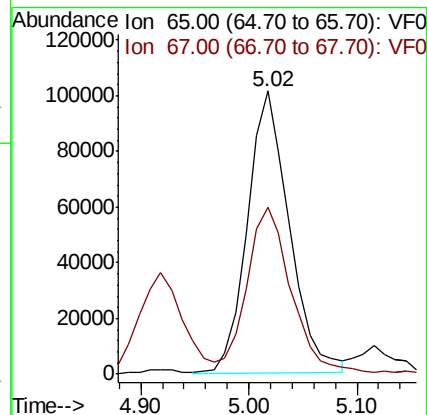
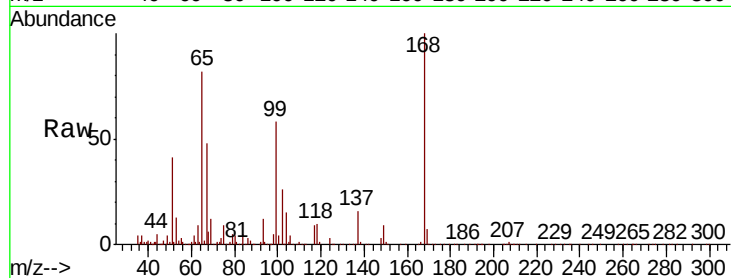
VSTDCCC050

Tot Ion: 65 Resp: 273938

Ion Ratio Lower Upper

65 100

67 59.1 0.0 117.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.76 min Scan# 530

Delta R.T. -0.03 min

Lab File: VF062697.D

Acq: 22 May 2019 10:23

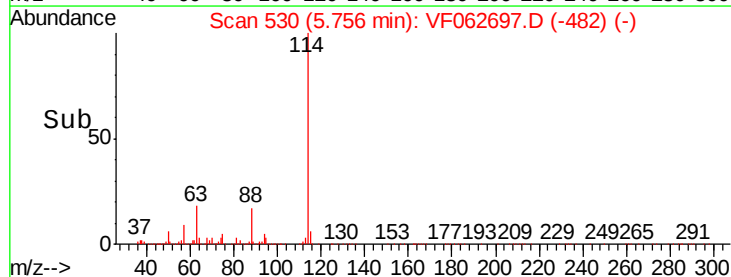
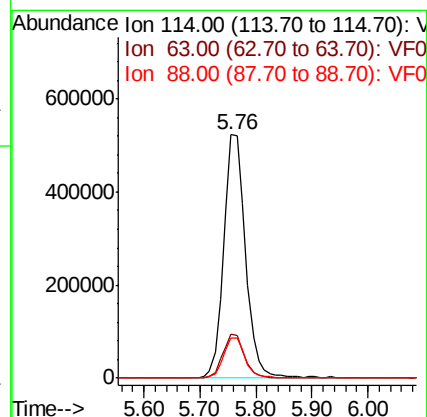
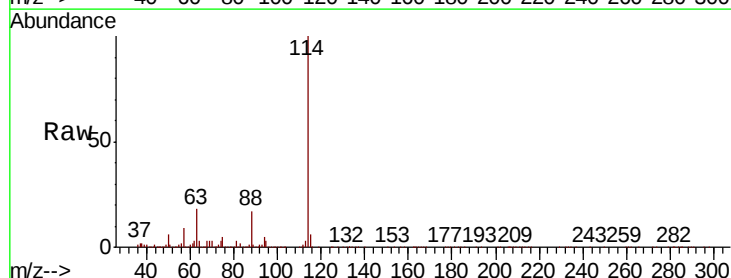
Tgt Ion: 114 Resp: 1428686

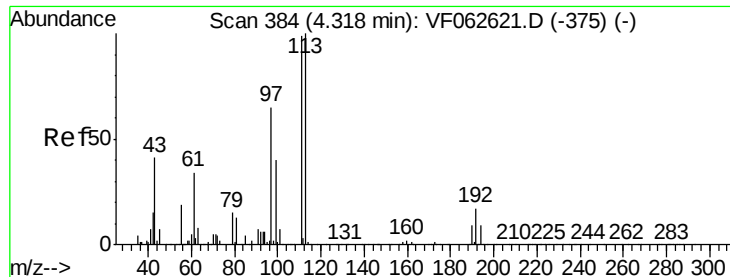
Ion Ratio Lower Upper

114 100

63 18.0 0.0 35.4

88 16.7 0.0 32.4

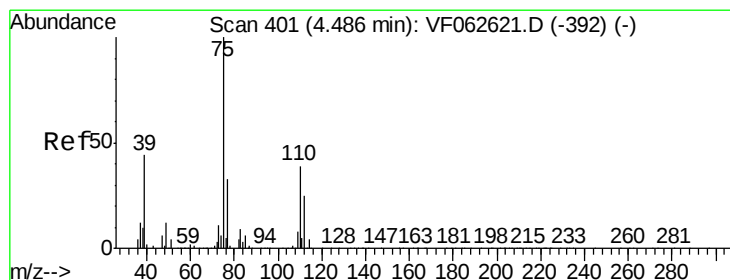
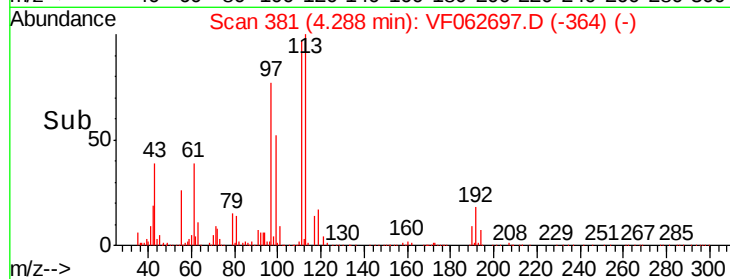
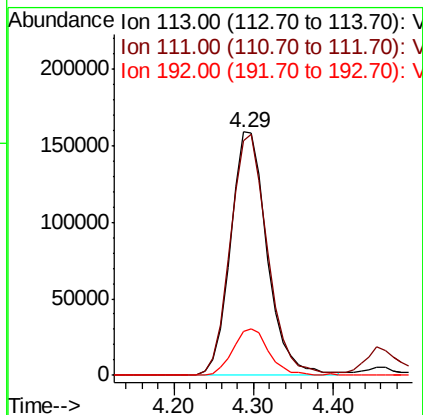
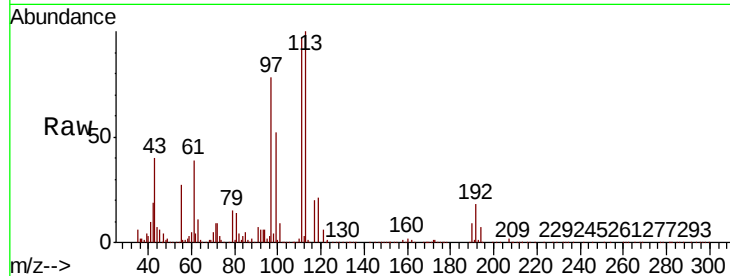




#35
 Dibromofluoromethane
 Concen: 46.396 ug/l
 RT: 4.29 min Scan# 381
 Delta R.T. -0.03 min
 Lab File: VF062697.D
 Acq: 22 May 2019 10:23

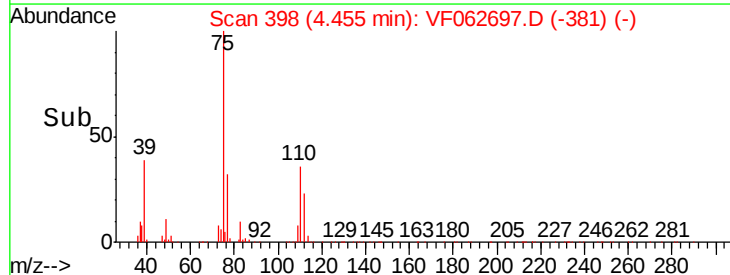
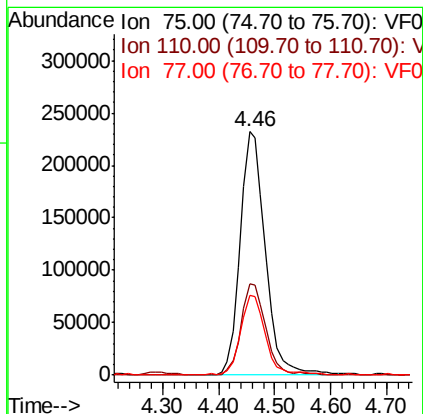
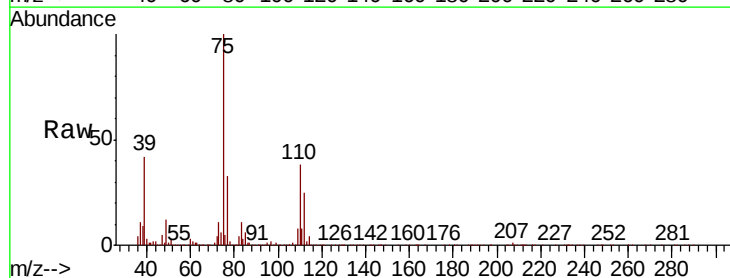
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

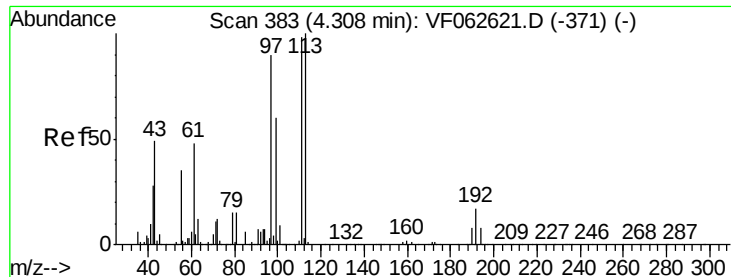
Tot Ion	Ratio	Lower	Upper
113	100		
111	96.5	79.4	119.2
192	18.2	13.4	20.2



#36
 1,1-Dichloropropene
 Concen: 49.511 ug/l
 RT: 4.46 min Scan# 398
 Delta R.T. -0.03 min
 Lab File: VF062697.D
 Acq: 22 May 2019 10:23

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.7	19.7	59.1
77	32.7	26.3	39.5

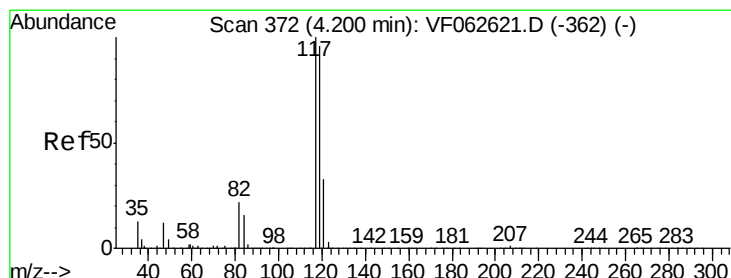
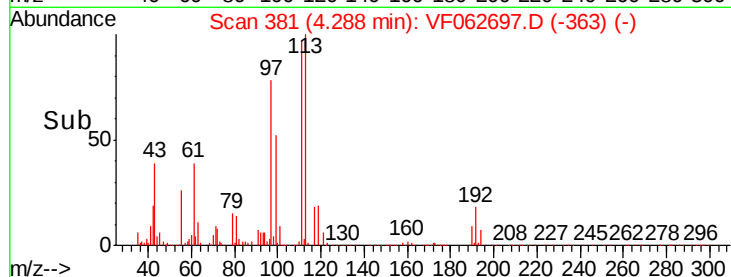
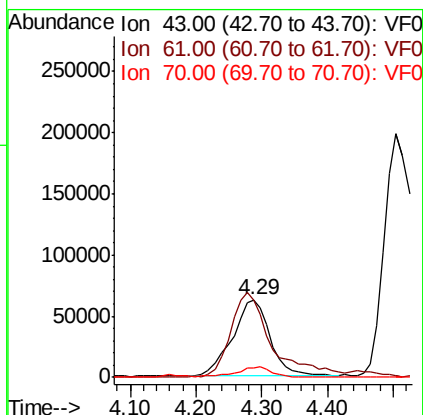
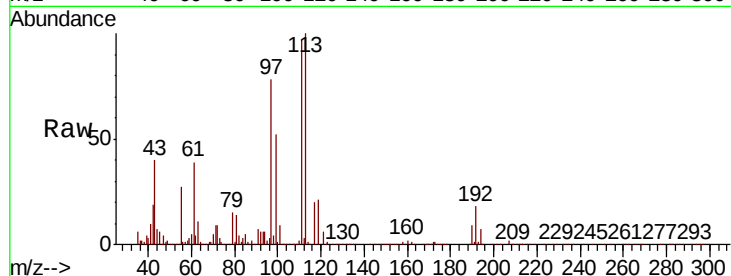




#37
Ethyl Acetate
Concen: 41.738 ug/l
RT: 4.29 min Scan# 381
Delta R.T. -0.02 min
Lab File: VF062697.D
Acq: 22 May 2019 10:23

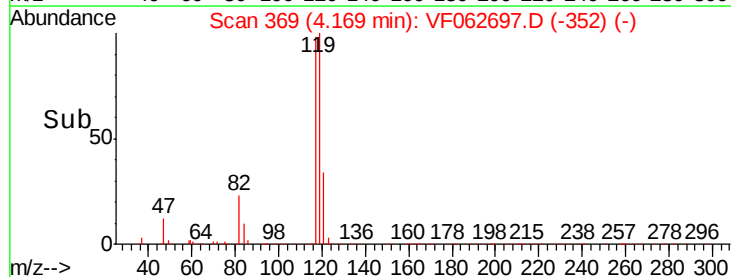
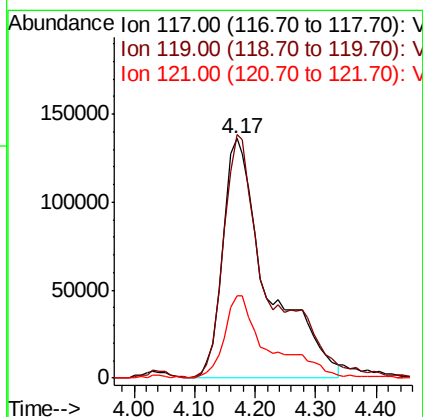
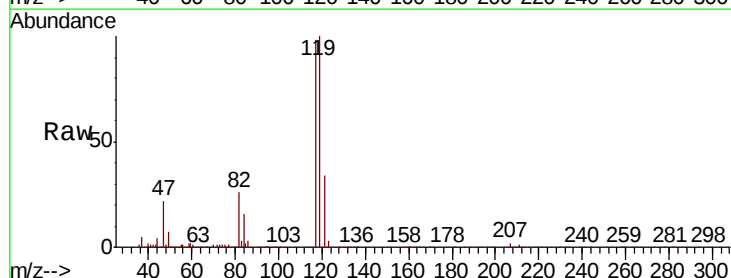
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

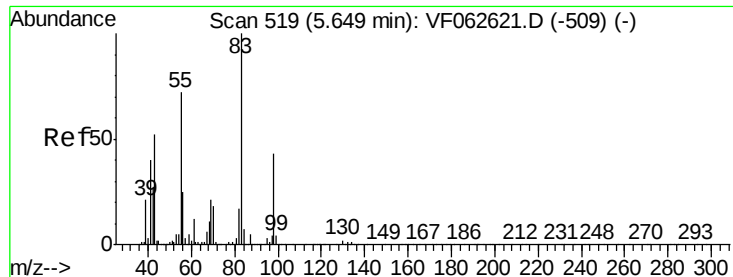
Tot Ion	Ratio	Lower	Upper
43	100		
61	98.8	76.9	115.3
70	12.3	8.8	13.2



#38
Carbon Tetrachloride
Concen: 63.678 ug/l
RT: 4.17 min Scan# 369
Delta R.T. -0.03 min
Lab File: VF062697.D
Acq: 22 May 2019 10:23

Tgt Ion	Ratio	Lower	Upper
117	100		
119	101.7	76.7	115.1
121	34.2	26.6	40.0

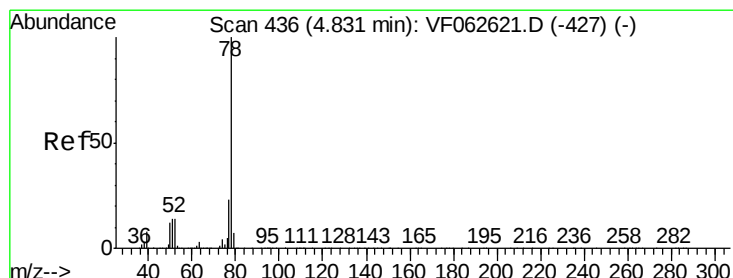
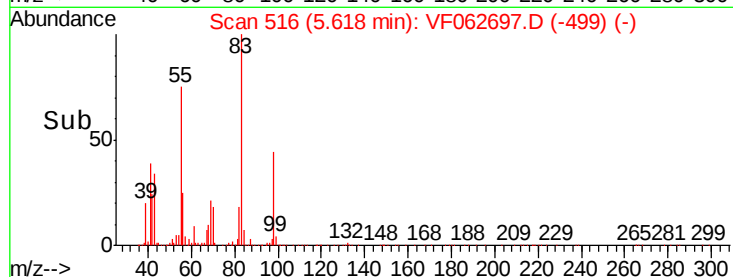
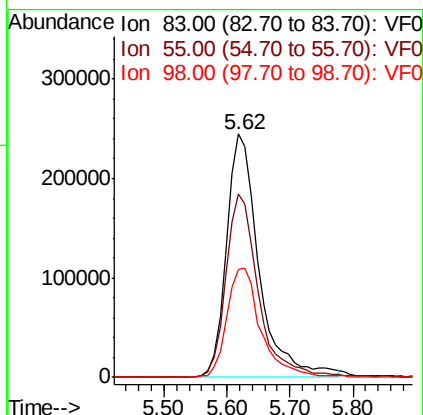
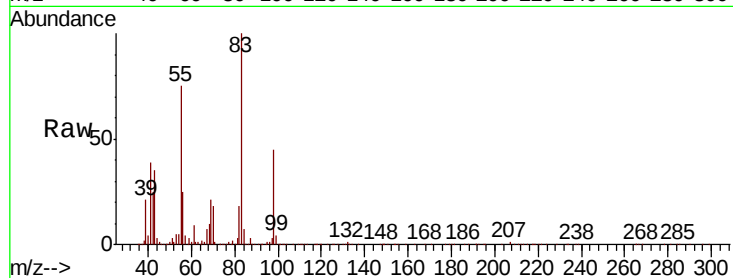




#39
Methvlcvclohexane
Concen: 49.422 ug/l
RT: 5.62 min Scan# 516
Delta R.T. -0.03 min
Lab File: VF062697.D
Acq: 22 May 2019 10:23

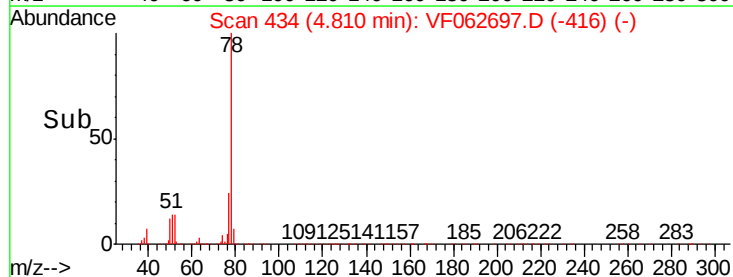
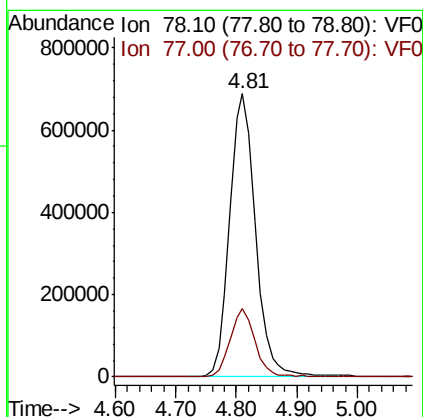
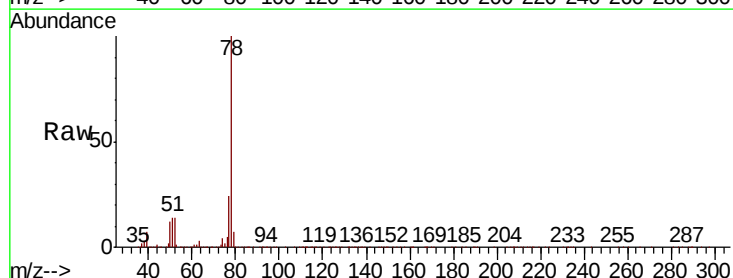
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

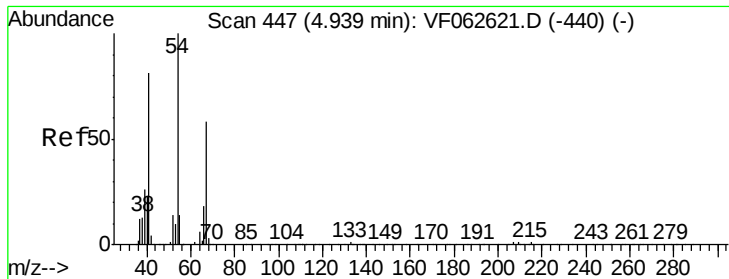
Tot Ion: 83 Resp: 870569
Ion Ratio Lower Upper
83 100
55 75.5 57.9 86.9
98 44.6 34.6 52.0



#40
Benzene
Concen: 51.459 ug/l
RT: 4.81 min Scan# 434
Delta R.T. -0.02 min
Lab File: VF062697.D
Acq: 22 May 2019 10:23

Tgt Ion: 78 Resp: 2052313
Ion Ratio Lower Upper
78 100
77 24.3 18.2 27.2





#41

Methacrylonitrile

Concen: 45.264 ug/l

RT: 4.92 min Scan# 445

Delta R.T. -0.02 min

Lab File: VF062697.D

Acq: 22 May 2019 10:23

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 141846

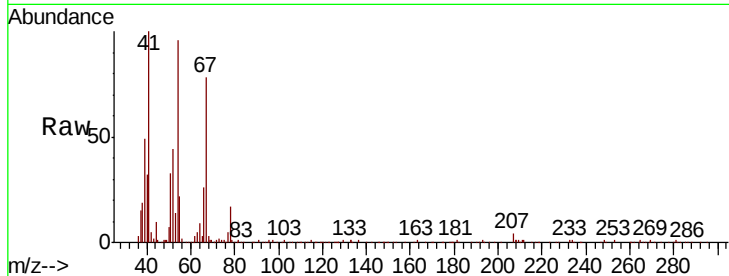
Ion Ratio Lower Upper

41 100

39 48.6 42.2 63.2

67 77.8 56.4 84.6

52 44.1 38.8 58.2

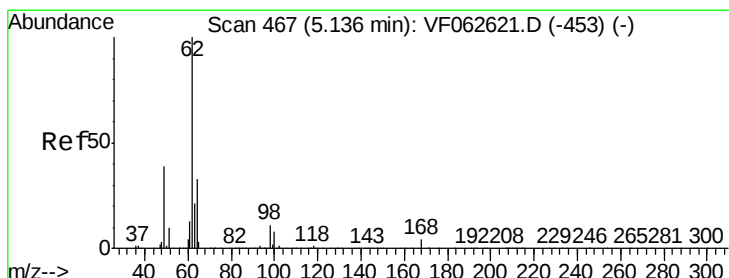
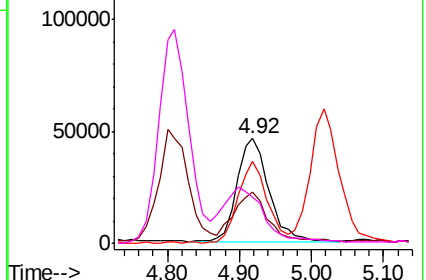
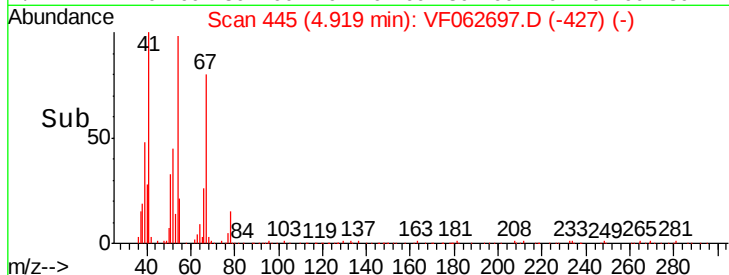


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#42

1,2-Dichloroethane

Concen: 50.079 ug/l

RT: 5.12 min Scan# 465

Delta R.T. -0.02 min

Lab File: VF062697.D

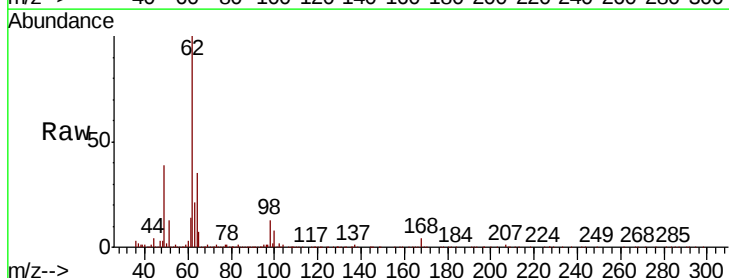
Acq: 22 May 2019 10:23

Tgt Ion: 62 Resp: 398290

Ion Ratio Lower Upper

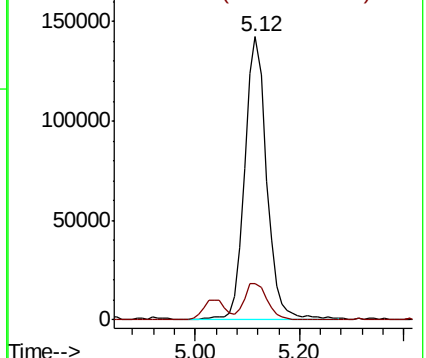
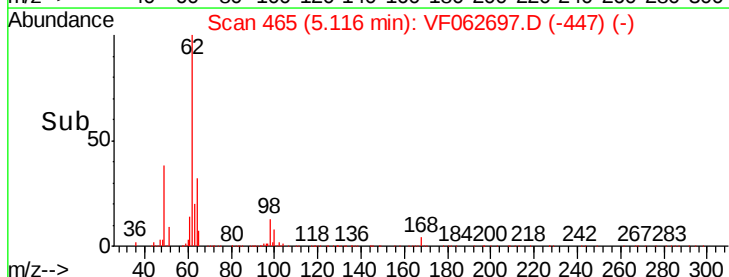
62 100

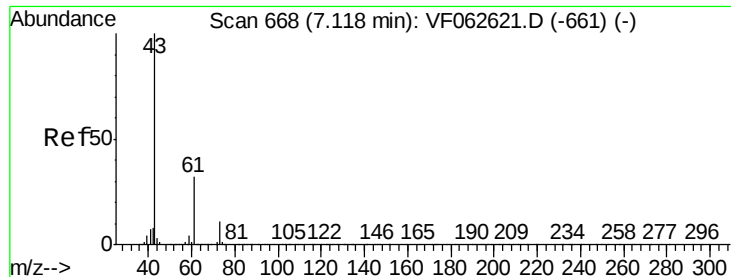
98 12.7 0.0 21.6



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#43

Isopropyl Acetate

Concen: 37.656 ug/l

RT: 7.10 min Scan# 666

Delta R.T. -0.02 min

Lab File: VF062697.D

Acq: 22 May 2019 10:23

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

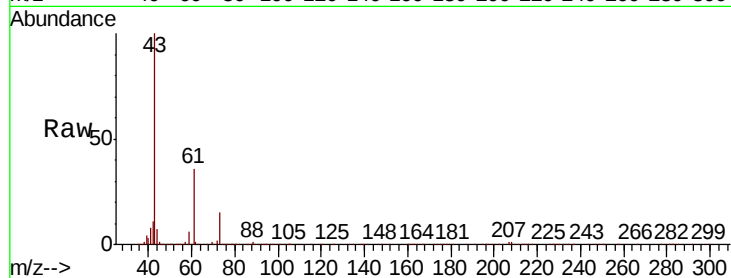
Tot Ion: 43 Resp: 291603

Ion Ratio Lower Upper

43 100

61 36.3 25.8 38.8

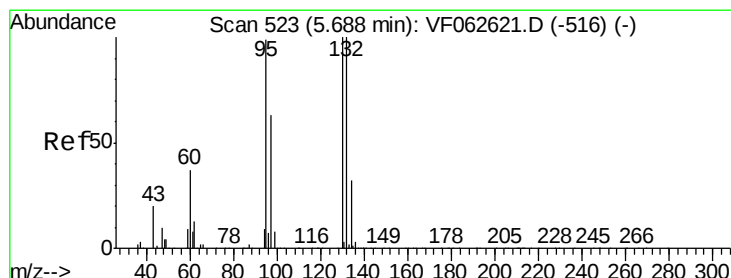
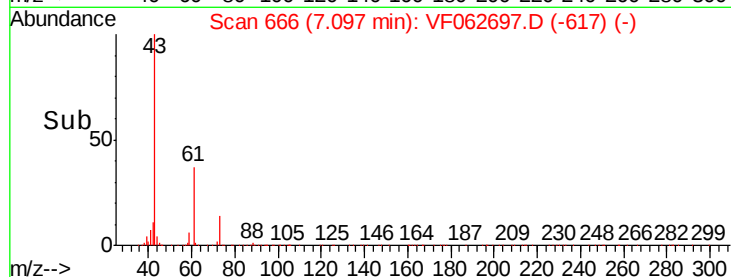
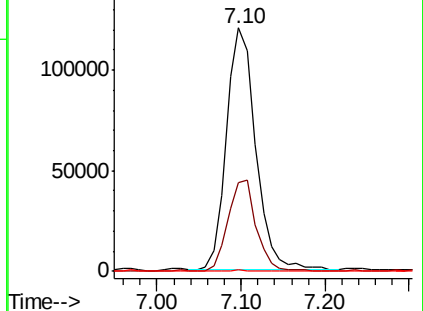
87 0.5 0.4 0.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0



#44

Trichloroethene

Concen: 50.760 ug/l

RT: 5.67 min Scan# 521

Delta R.T. -0.02 min

Lab File: VF062697.D

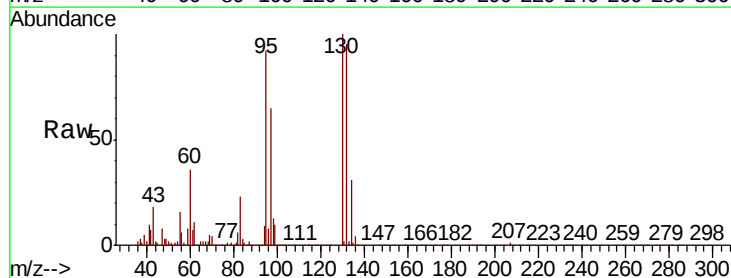
Acq: 22 May 2019 10:23

Tgt Ion: 130 Resp: 568975

Ion Ratio Lower Upper

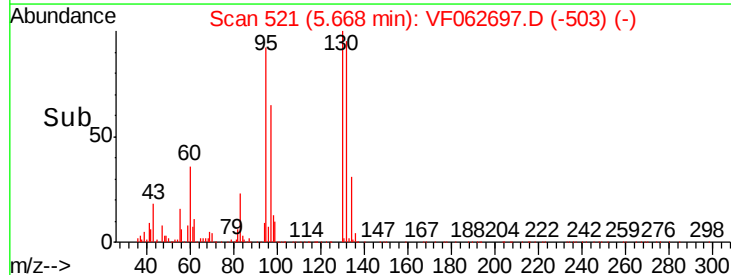
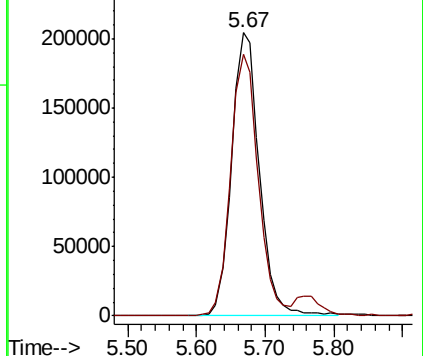
130 100

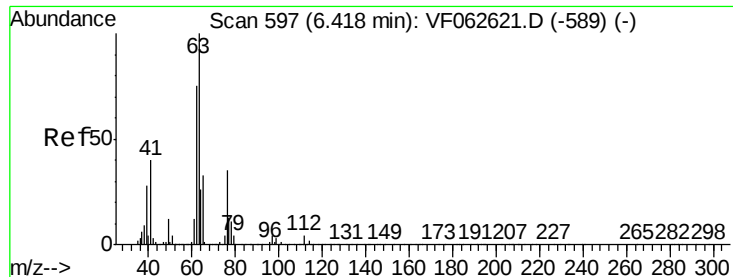
95 92.4 0.0 199.4



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0

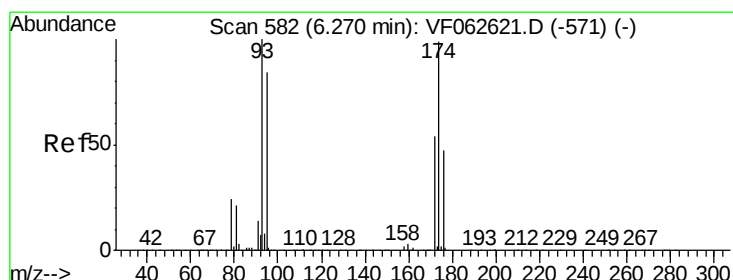
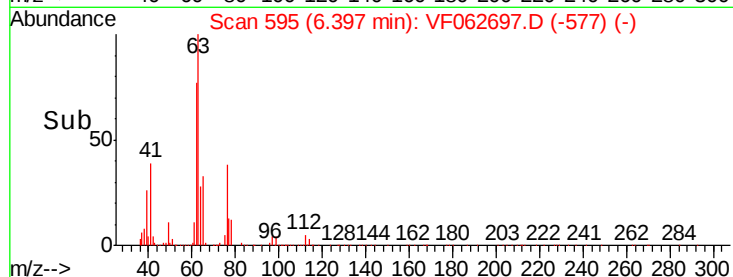
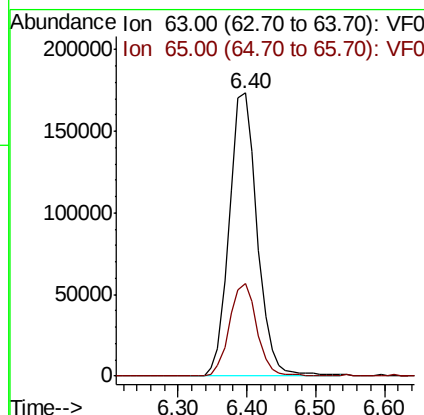
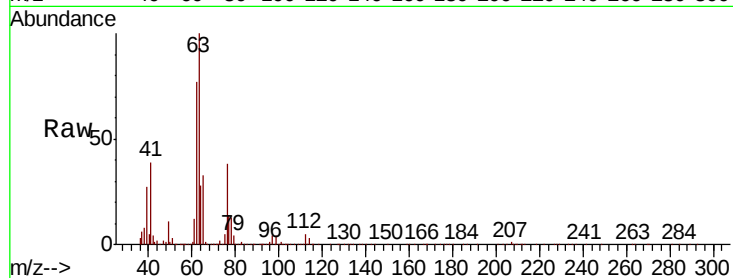




#45
 1,2-Dichloropropane
 Concen: 48.569 ug/l
 RT: 6.40 min Scan# 595
 Delta R.T. -0.02 min
 Lab File: VF062697.D
 Acq: 22 May 2019 10:23

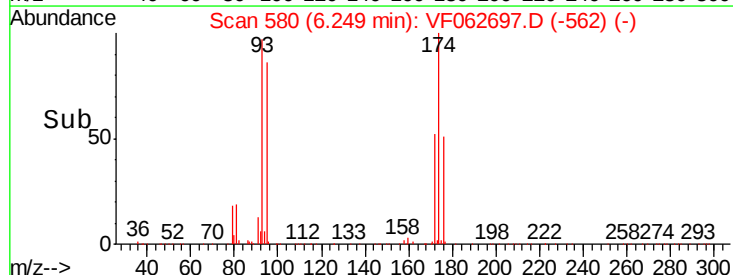
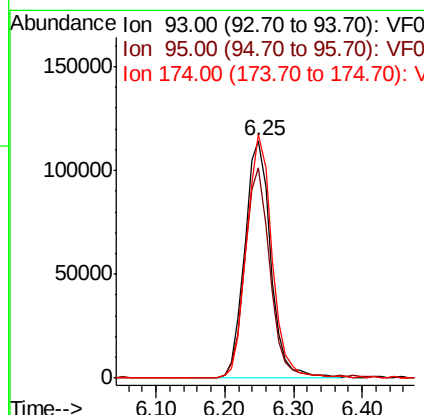
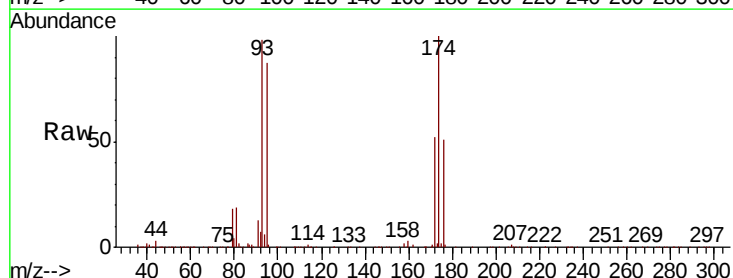
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 488981
 Ion Ratio Lower Upper
 63 100
 65 32.6 26.3 39.5



#46
 Dibromomethane
 Concen: 51.545 ug/l
 RT: 6.25 min Scan# 580
 Delta R.T. -0.02 min
 Lab File: VF062697.D
 Acq: 22 May 2019 10:23

Tgt Ion: 93 Resp: 299912
 Ion Ratio Lower Upper
 93 100
 95 88.7 67.4 101.2
 174 102.5 79.4 119.2





#47

Bromodichloromethane

Concen: 50.581 ug/l

RT: 6.54 min Scan# 609

Delta R.T. -0.03 min

Lab File: VF062697.D

Acq: 22 May 2019 10:23

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

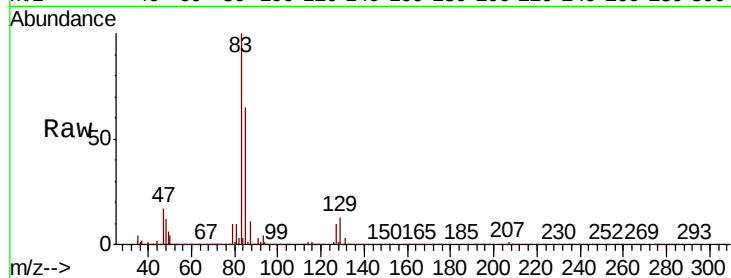
Tot Ion: 83 Resp: 610973

Ion Ratio Lower Upper

83 100

85 65.0 52.0 78.0

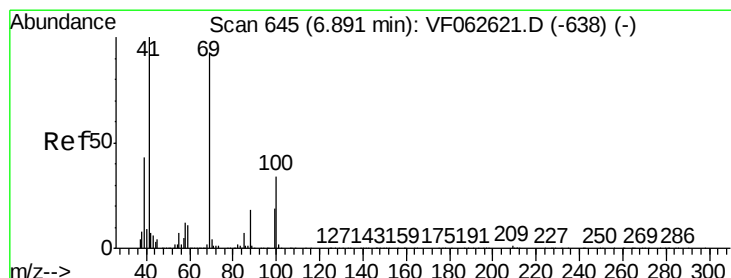
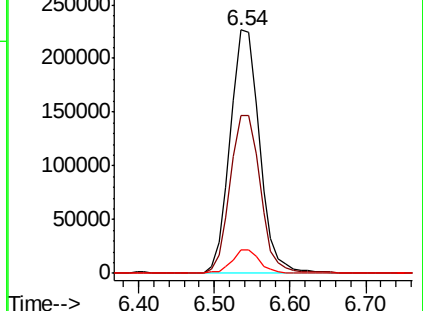
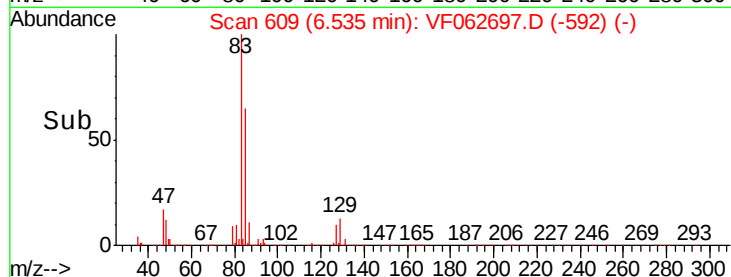
127 9.6 7.7 11.5



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: 40.887 ug/l

RT: 6.86 min Scan# 642

Delta R.T. -0.03 min

Lab File: VF062697.D

Acq: 22 May 2019 10:23

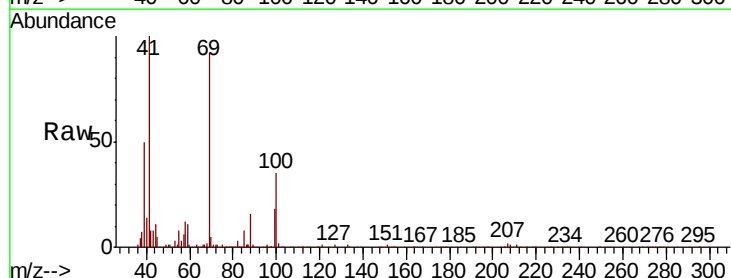
Tgt Ion: 41 Resp: 165493

Ion Ratio Lower Upper

41 100

69 92.4 74.2 111.2

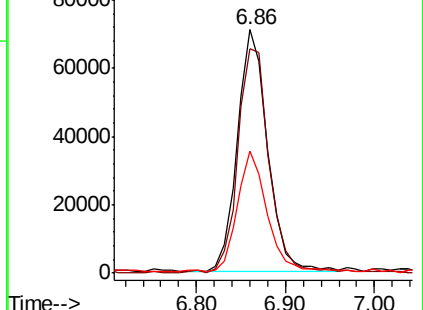
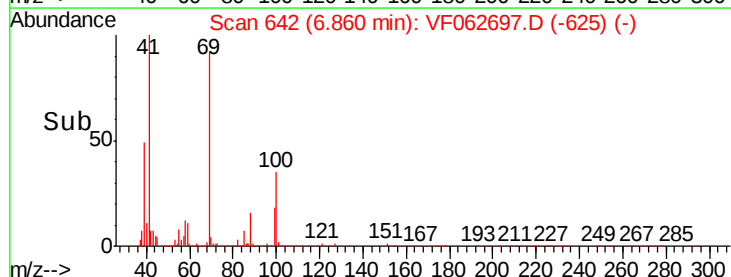
39 50.0 34.2 51.4

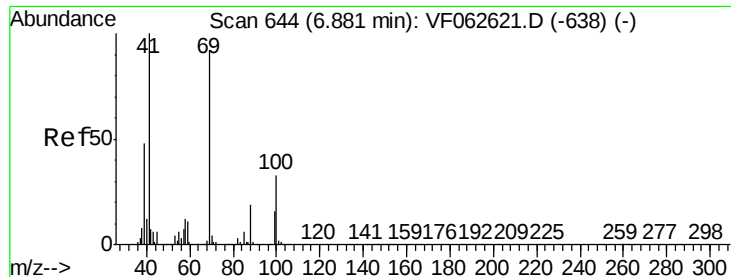


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

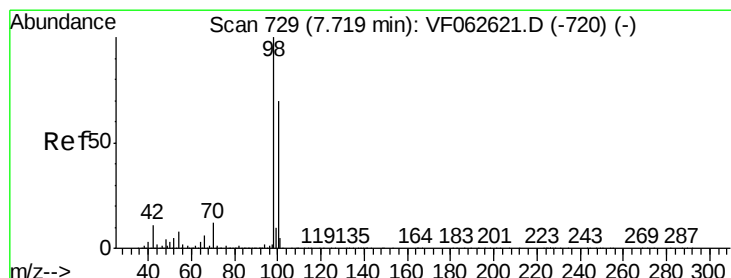
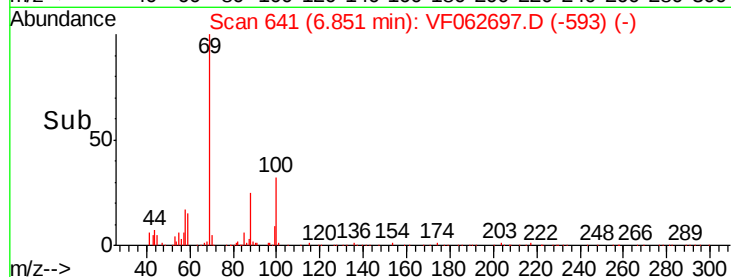
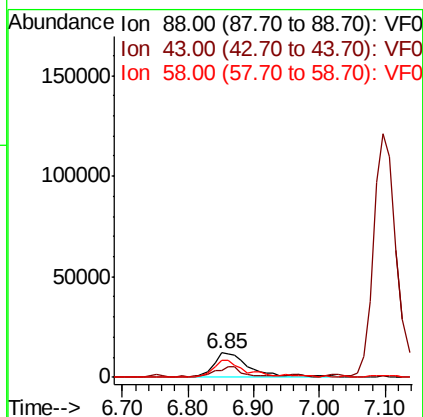
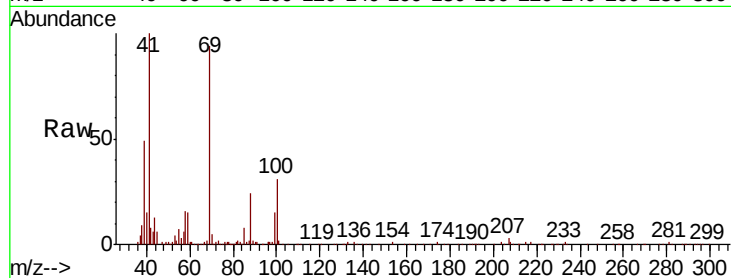




#49
1,4-Dioxane
Concen: 922.059 ug/l
RT: 6.85 min Scan# 641
Delta R.T. -0.03 min
Lab File: VF062697.D
Acq: 22 May 2019 10:23

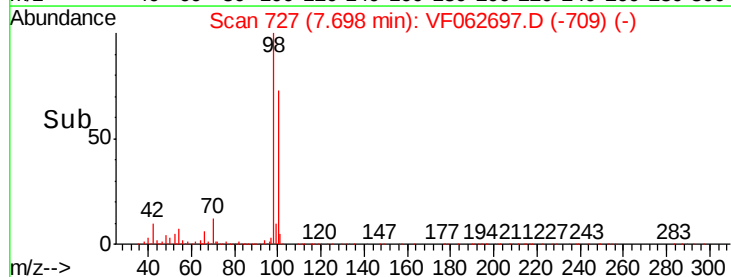
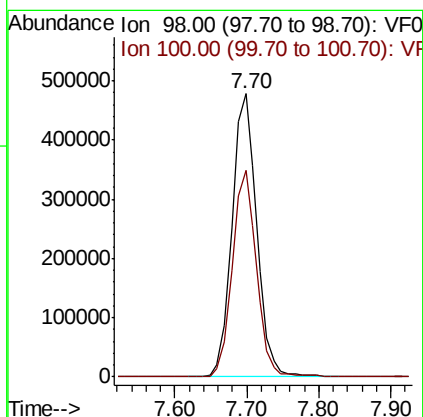
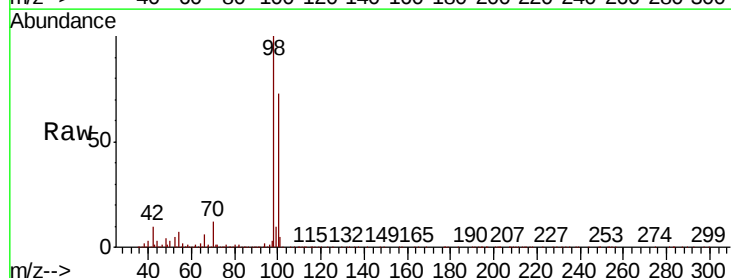
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

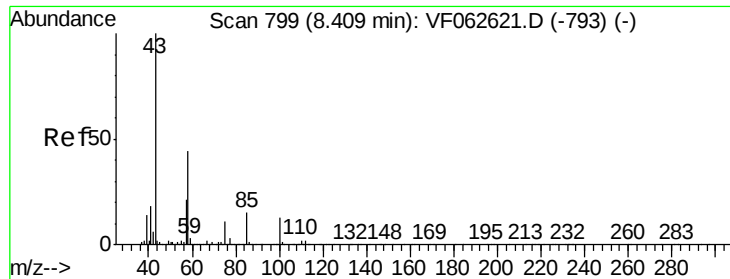
Tot Ion: 88 Resp: 47801
Ion Ratio Lower Upper
88 100
43 27.1 30.0 45.0#
58 68.6 51.1 76.7



#50
Toluene-d8
Concen: 43.844 ug/l
RT: 7.70 min Scan# 727
Delta R.T. -0.02 min
Lab File: VF062697.D
Acq: 22 May 2019 10:23

Tgt Ion: 98 Resp: 1144428
Ion Ratio Lower Upper
98 100
100 73.0 56.2 84.2





#51

4-Methyl-2-Pentanone

Concen: 201.253 ug/l

RT: 8.39 min Scan# 797

Delta R.T. -0.02 min

Lab File: VF062697.D

Acq: 22 May 2019 10:23

Instrument :

MSVOA_F

ClientSampleId :

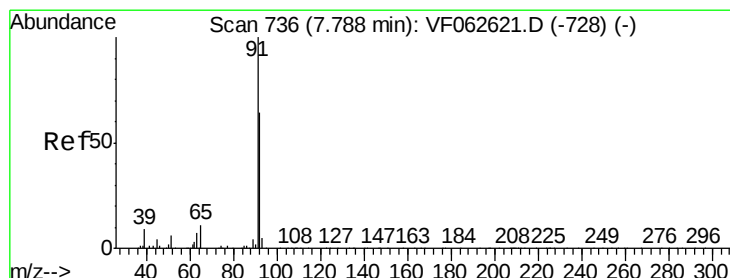
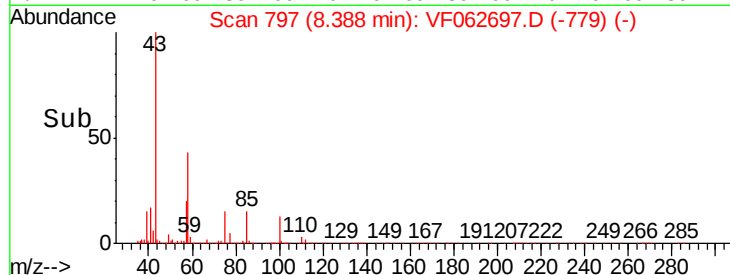
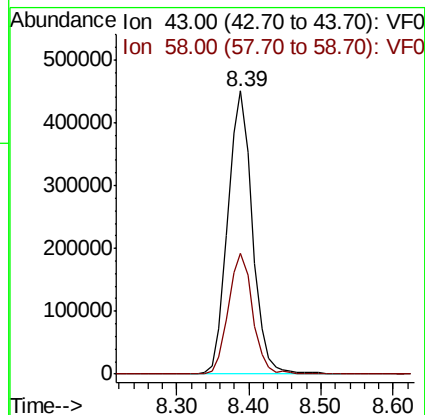
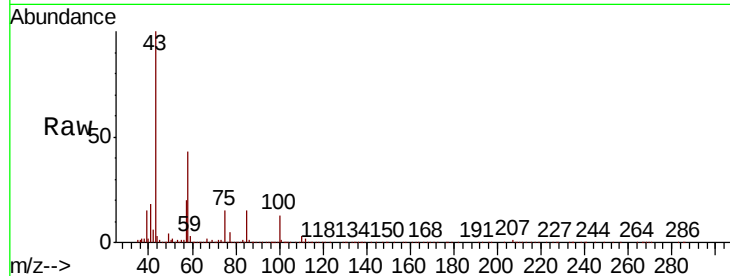
VSTDCCC050

Tot Ion: 43 Resp: 1065285

Ion Ratio Lower Upper

43 100

58 42.8 34.9 52.3



#52

Toluene

Concen: 47.895 ug/l

RT: 7.77 min Scan# 734

Delta R.T. -0.02 min

Lab File: VF062697.D

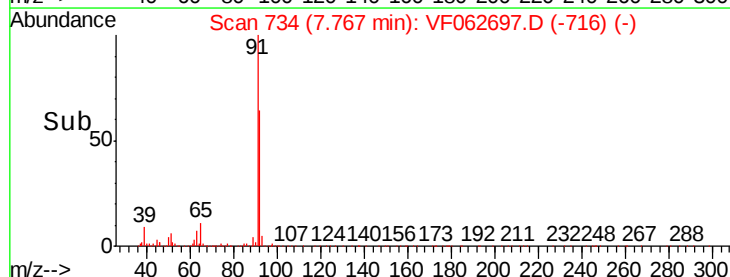
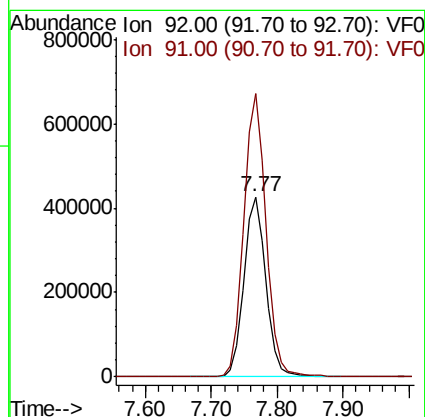
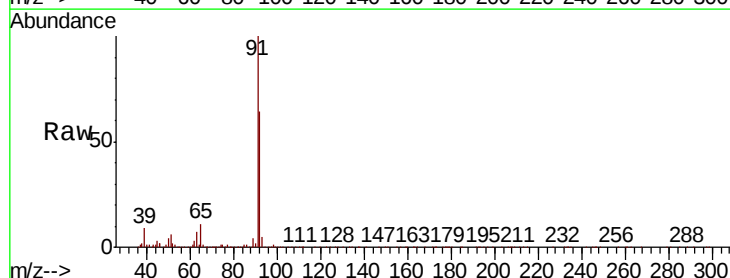
Acq: 22 May 2019 10:23

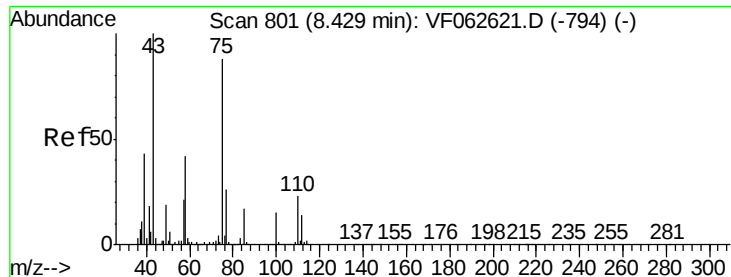
Tgt Ion: 92 Resp: 1001773

Ion Ratio Lower Upper

92 100

91 157.1 125.4 188.0

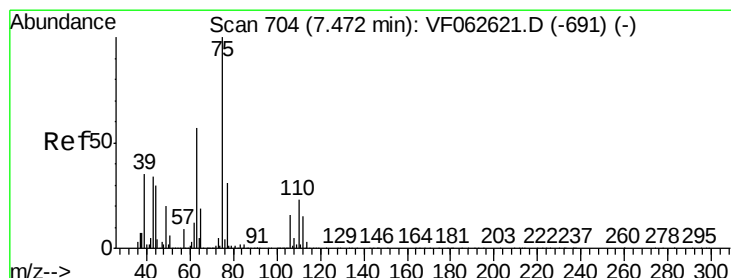
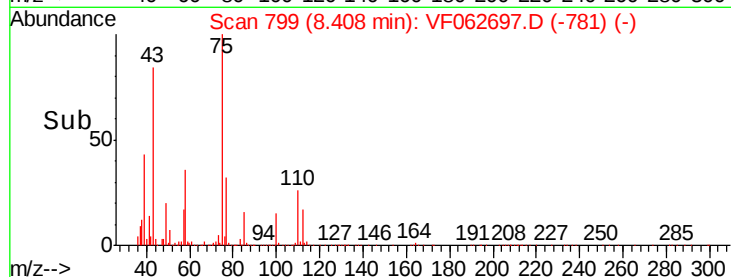
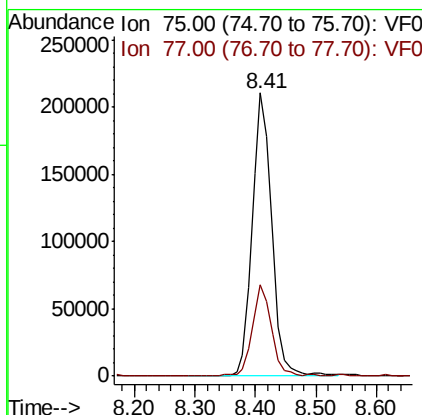
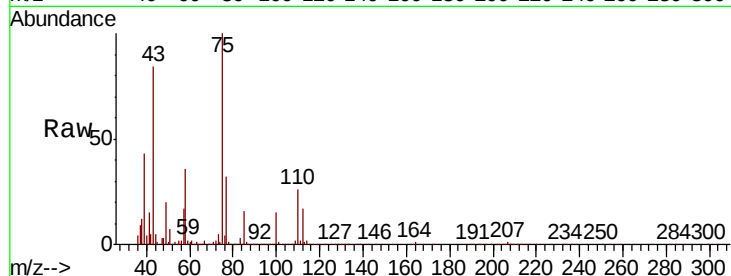




#53
 t-1,3-Dichloropropene
 Concen: 47.628 ug/l
 RT: 8.41 min Scan# 799
 Delta R.T. -0.02 min
 Lab File: VF062697.D
 Acq: 22 May 2019 10:23

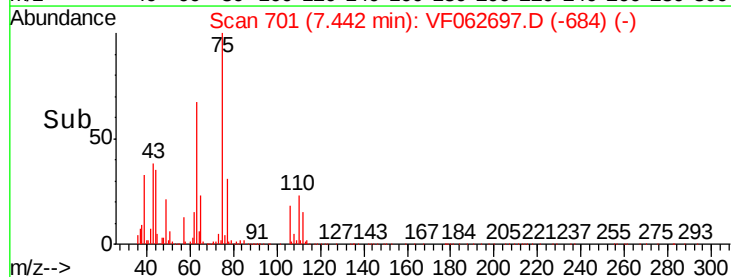
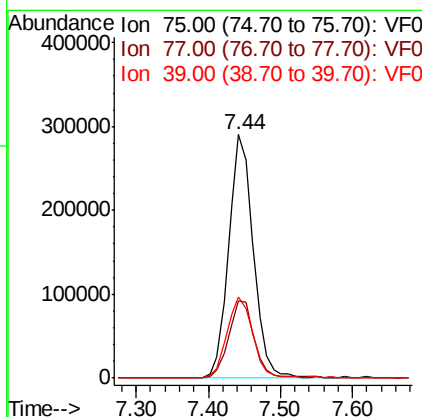
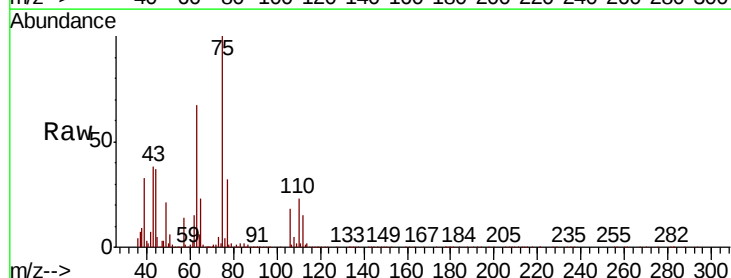
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

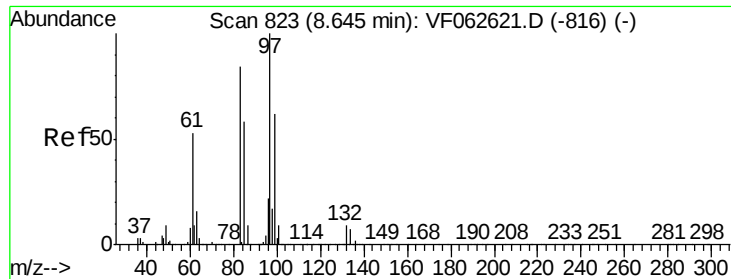
Tot Ion: 75 Resp: 470661
 Ion Ratio Lower Upper
 75 100
 77 32.1 24.2 36.4



#54
 cis-1,3-Dichloropropene
 Concen: 50.030 ug/l
 RT: 7.44 min Scan# 701
 Delta R.T. -0.03 min
 Lab File: VF062697.D
 Acq: 22 May 2019 10:23

Tgt Ion: 75 Resp: 692074
 Ion Ratio Lower Upper
 75 100
 77 31.6 25.3 37.9
 39 33.3 28.2 42.2





#55

1,1,2-Trichloroethane

Concen: 47.396 ug/l

RT: 8.61 min Scan# 820

Delta R.T. -0.03 min

Lab File: VF062697.D

Acq: 22 May 2019 10:23

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 293521

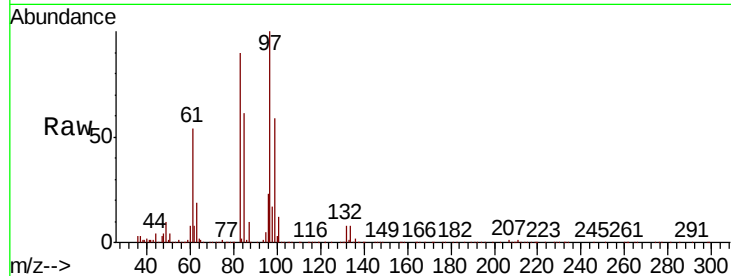
Ion Ratio Lower Upper

97 100

83 90.2 67.3 100.9

85 61.4 46.6 69.8

99 59.1 49.7 74.5

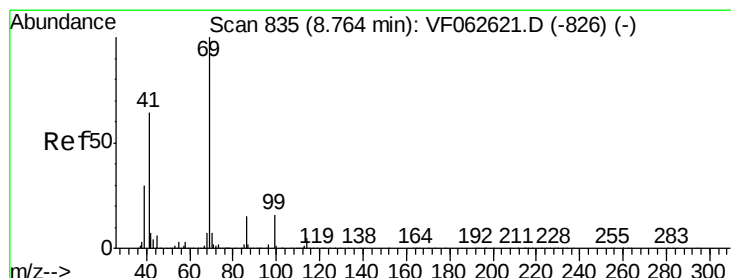
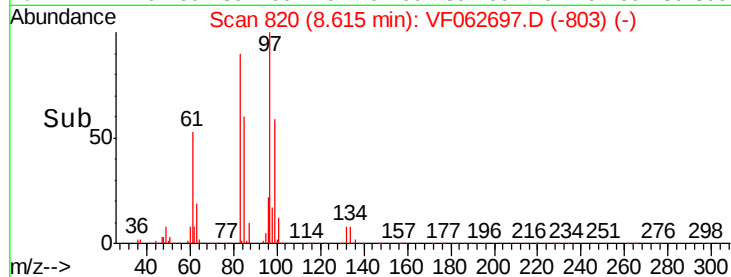
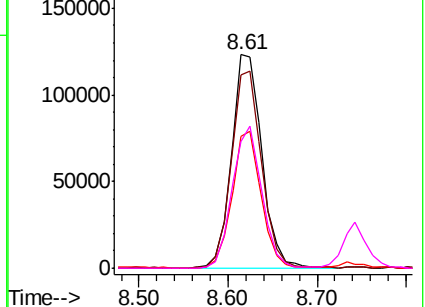


Abundance Ion 97.00 (96.70 to 97.70): VF0

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



#56

Ethyl methacrylate

Concen: 40.513 ug/l

RT: 8.74 min Scan# 833

Delta R.T. -0.02 min

Lab File: VF062697.D

Acq: 22 May 2019 10:23

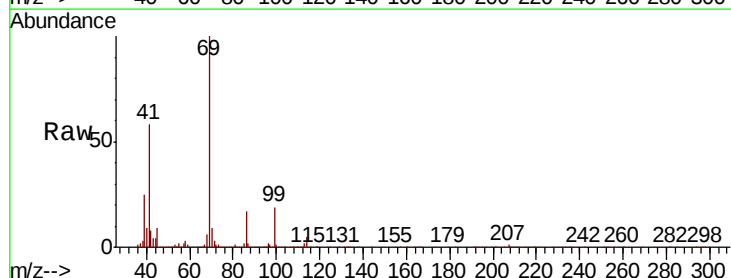
Tgt Ion: 69 Resp: 298914

Ion Ratio Lower Upper

69 100

41 58.2 51.4 77.2

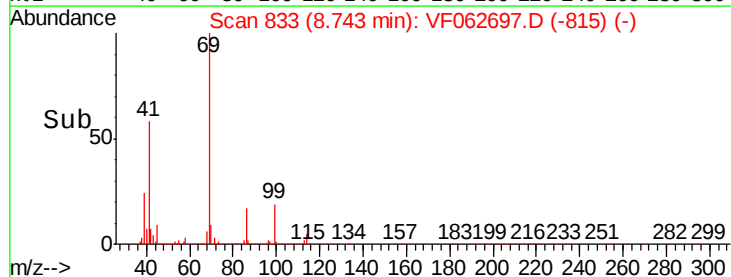
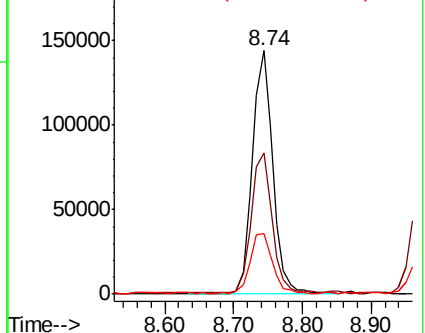
39 24.8 23.6 35.4

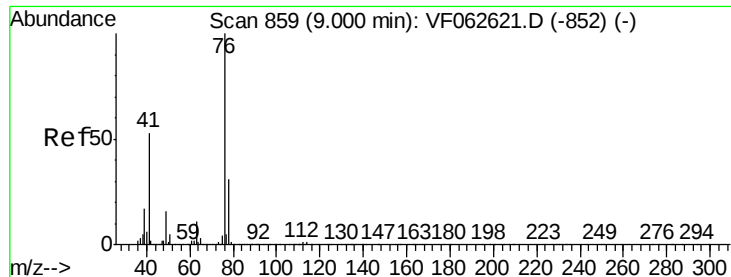


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 47.274 ug/l

RT: 8.98 min Scan# 857

Delta R.T. -0.02 min

Lab File: VF062697.D

Acq: 22 May 2019 10:23

Instrument :

MSVOA_F

ClientSampleId :

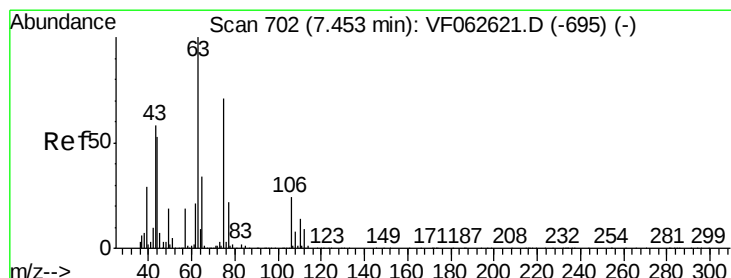
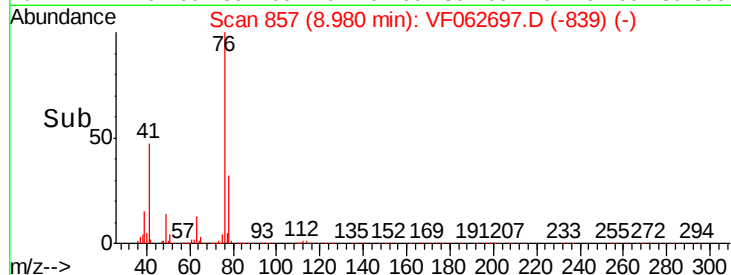
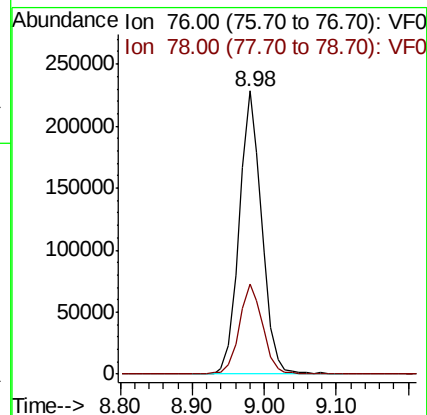
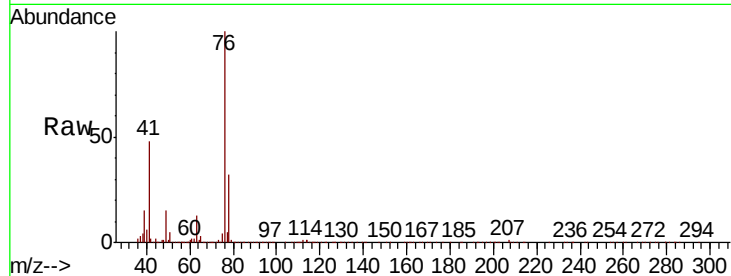
VSTDCCC050

Tot Ion: 76 Resp: 498673

Ion Ratio Lower Upper

76 100

78 31.7 25.4 38.0



#58

2-Chloroethyl Vinyl ether

Concen: 205.627 ug/l

RT: 7.43 min Scan# 700

Delta R.T. -0.02 min

Lab File: VF062697.D

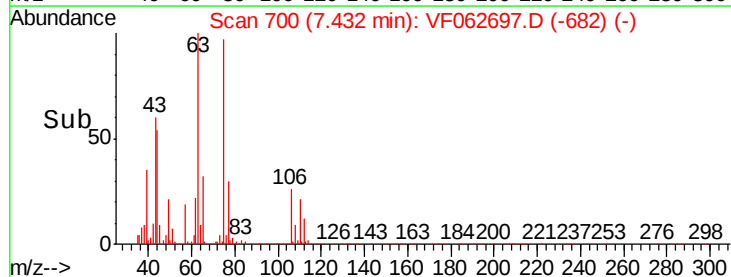
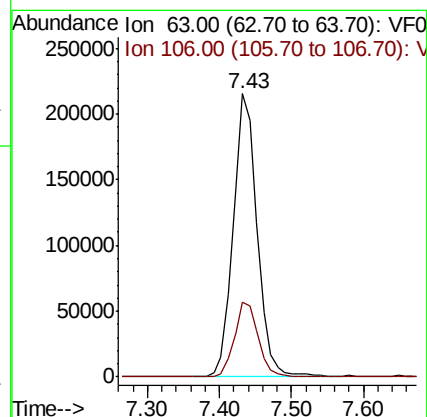
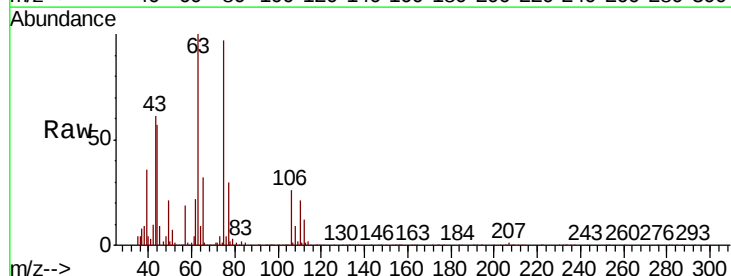
Acq: 22 May 2019 10:23

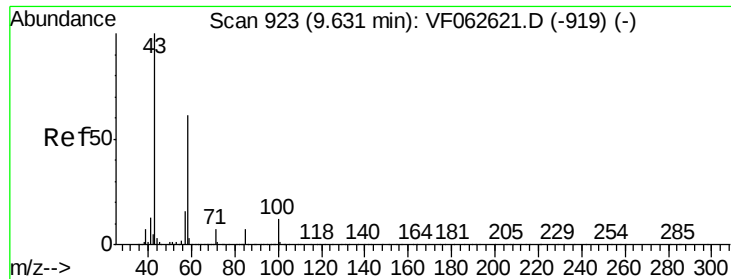
Tgt Ion: 63 Resp: 493832

Ion Ratio Lower Upper

63 100

106 26.3 19.1 28.7

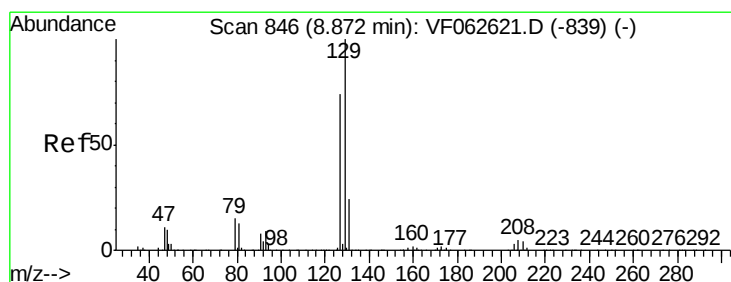
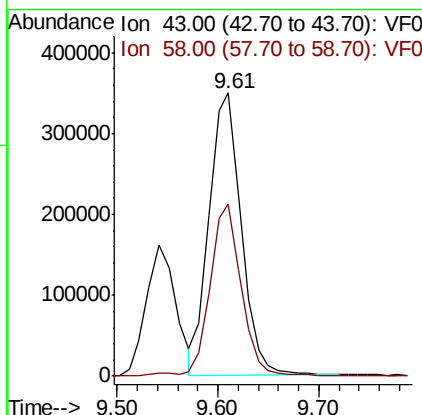
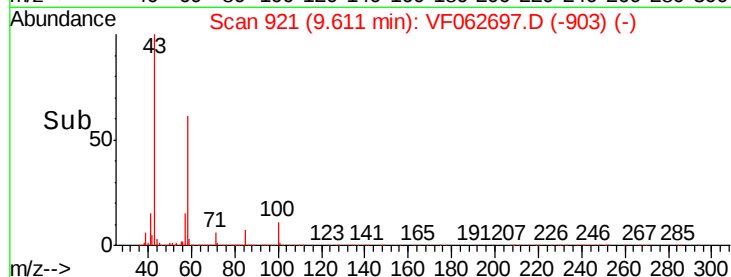
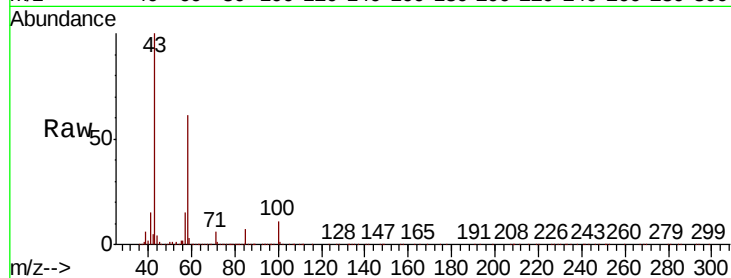




#59
2-Hexanone
Concen: 223.514 ug/l
RT: 9.61 min Scan# 921
Delta R.T. -0.02 min
Lab File: VF062697.D
Acq: 22 May 2019 10:23

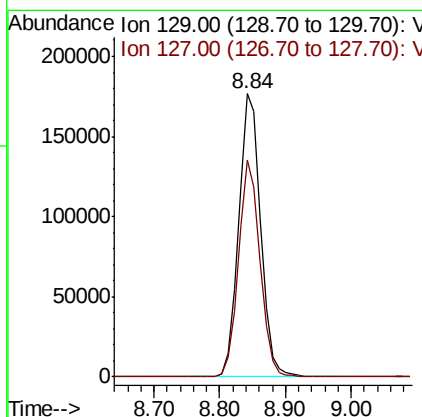
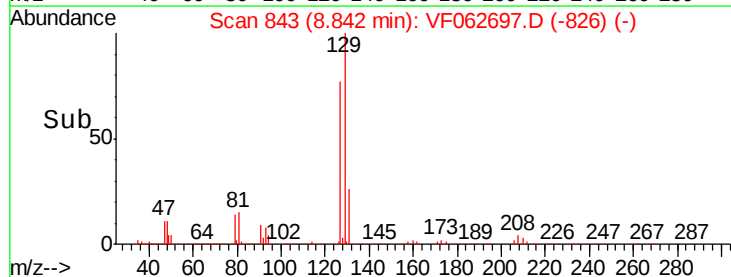
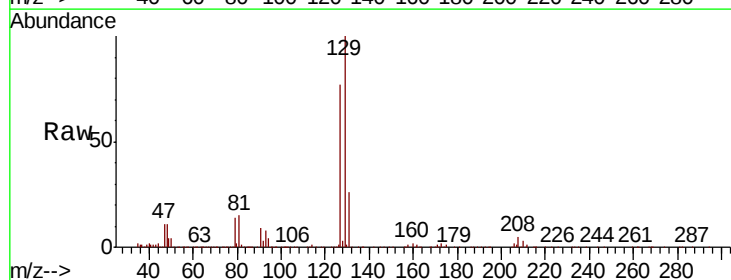
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

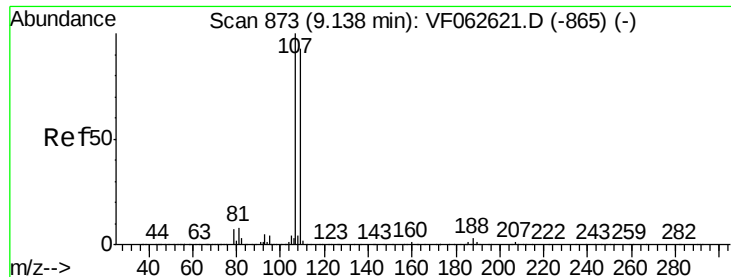
Tot Ion: 43 Resp: 776257
Ion Ratio Lower Upper
43 100
58 60.9 28.1 84.4



#60
Dibromochloromethane
Concen: 51.323 ug/l
RT: 8.84 min Scan# 843
Delta R.T. -0.03 min
Lab File: VF062697.D
Acq: 22 May 2019 10:23

Tgt Ion: 129 Resp: 414249
Ion Ratio Lower Upper
129 100
127 76.5 37.2 111.6





#61

1,2-Dibromoethane

Concen: 46.758 ug/l

RT: 9.12 min Scan# 871

Delta R.T. -0.02 min

Lab File: VF062697.D

Acq: 22 May 2019 10:23

Instrument :

MSVOA_F

ClientSampleId :

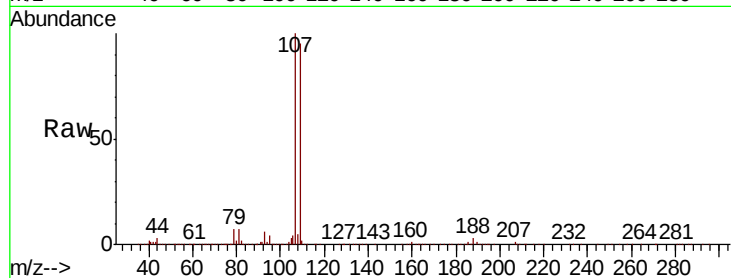
VSTDCCC050

Tot Ion:107 Resp: 307571

Ion Ratio Lower Upper

107 100

109 94.8 74.8 112.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

9.12

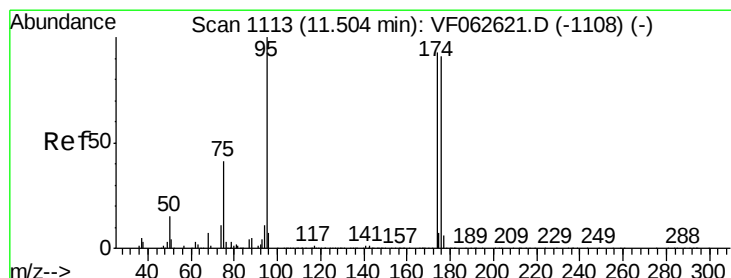
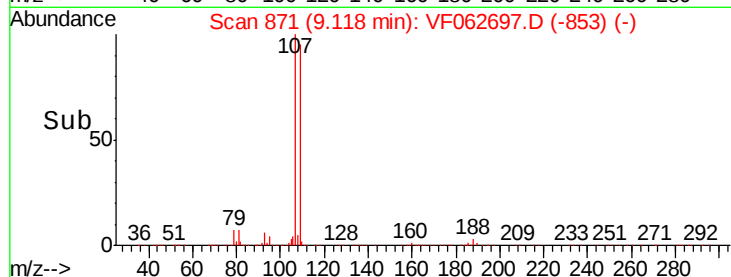
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 41.320 ug/l

RT: 11.48 min Scan# 1111

Delta R.T. -0.02 min

Lab File: VF062697.D

Acq: 22 May 2019 10:23

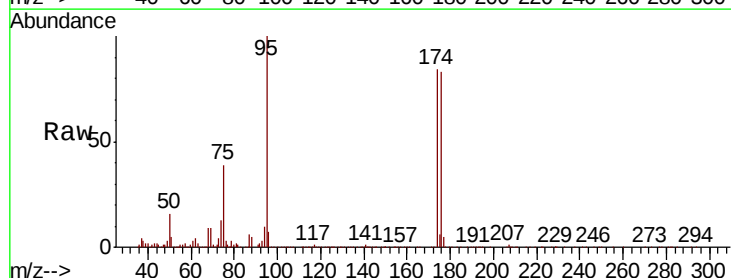
Tgt Ion: 95 Resp: 409054

Ion Ratio Lower Upper

95 100

174 83.8 0.0 185.6

176 83.1 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

11.48

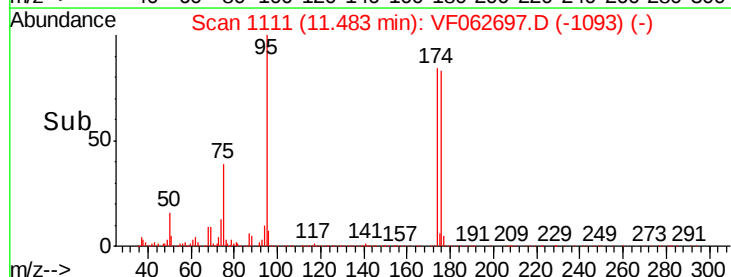
300000

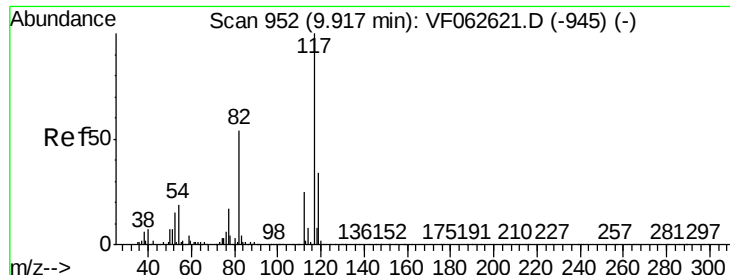
200000

100000

0

Time-->

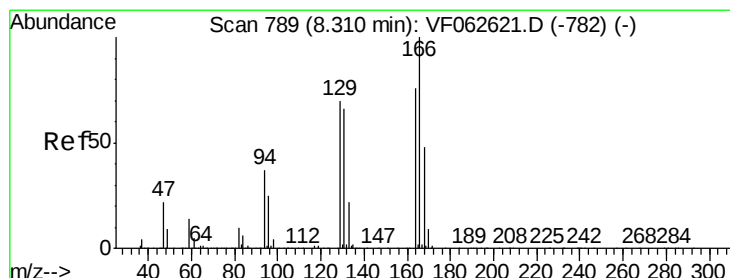
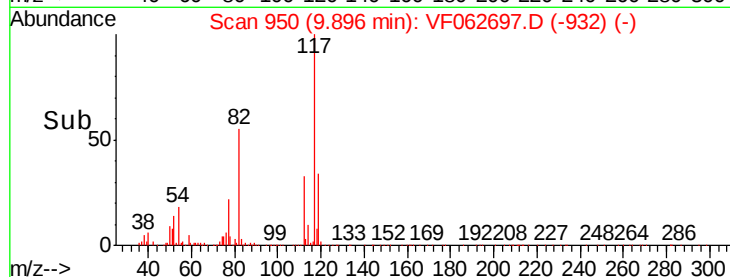
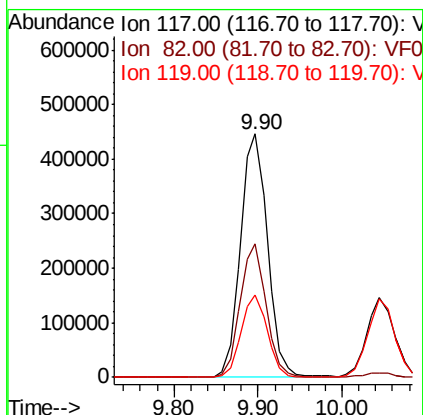
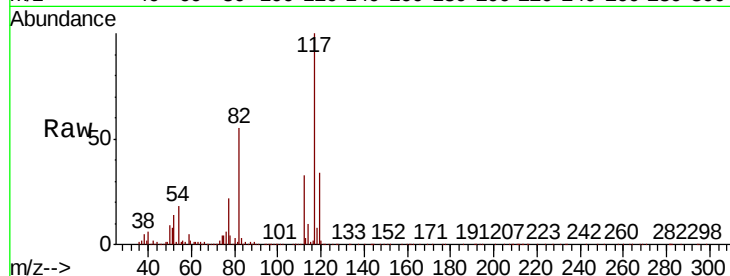




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.90 min Scan# 950
Delta R.T. -0.02 min
Lab File: VF062697.D
Acq: 22 May 2019 10:23

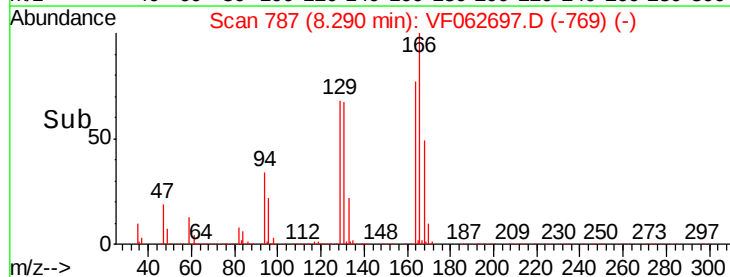
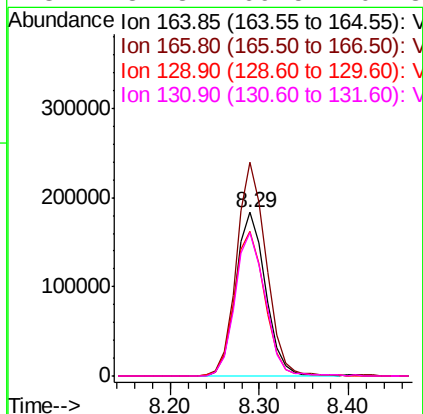
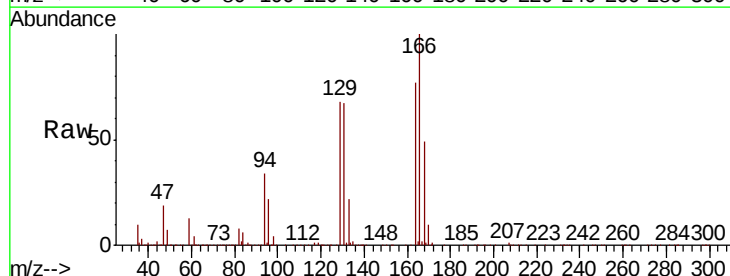
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

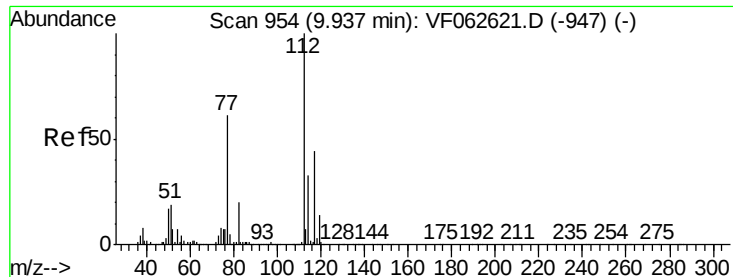
Tot Ion:117 Resp: 1002423
Ion Ratio Lower Upper
117 100
82 55.1 43.3 64.9
119 33.7 27.4 41.0



#64
Tetrachloroethene
Concen: 53.934 ug/l
RT: 8.29 min Scan# 787
Delta R.T. -0.02 min
Lab File: VF062697.D
Acq: 22 May 2019 10:23

Tgt Ion:164 Resp: 428316
Ion Ratio Lower Upper
164 100
166 130.5 105.5 158.3
129 88.3 73.8 110.6
131 87.3 69.5 104.3

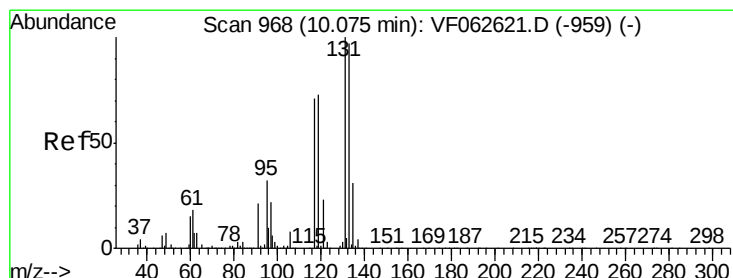
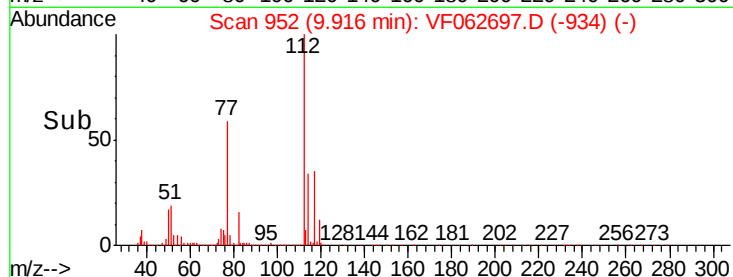
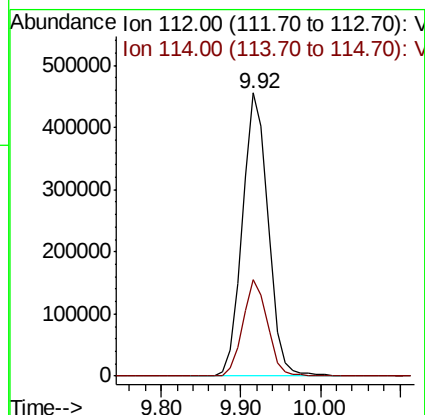
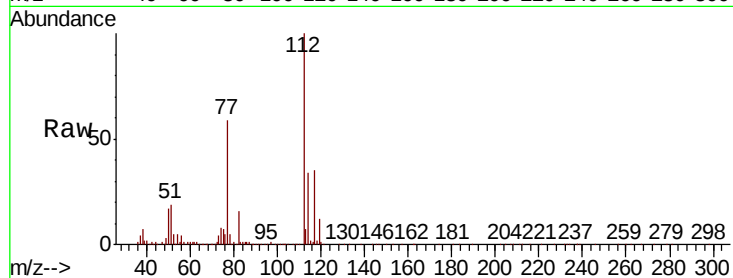




#65
Chlorobenzene
Concen: 51.493 ug/l
RT: 9.92 min Scan# 952
Delta R.T. -0.02 min
Lab File: VF062697.D
Acq: 22 May 2019 10:23

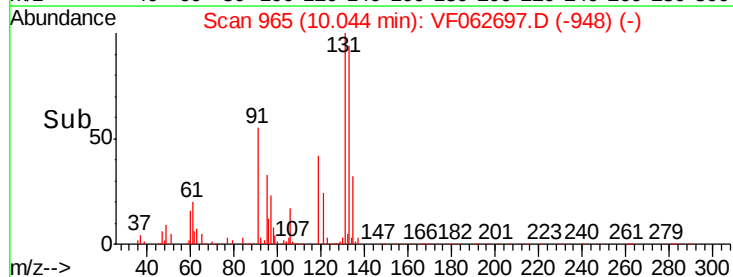
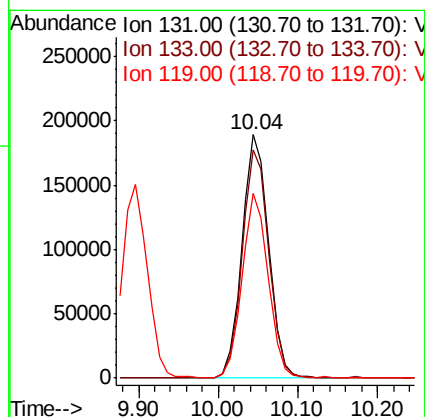
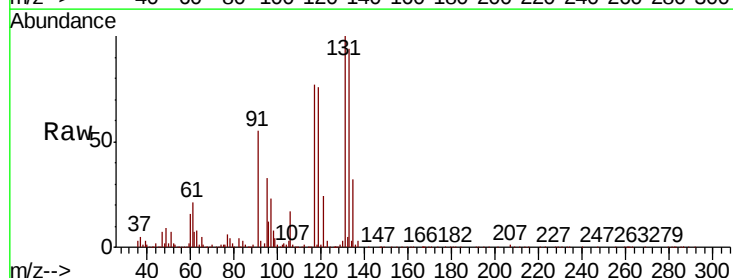
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

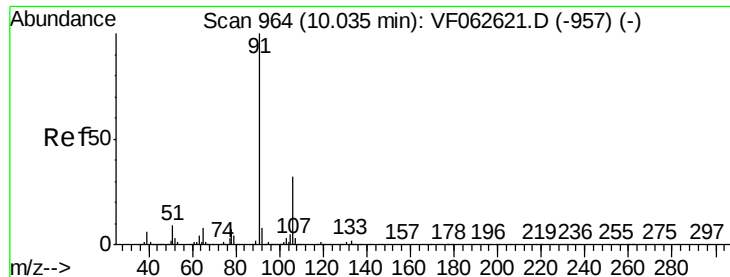
Tot Ion:112 Resp: 1013819
Ion Ratio Lower Upper
112 100
114 34.0 26.8 40.2



#66
1,1,1,2-Tetrachloroethane
Concen: 54.833 ug/l
RT: 10.04 min Scan# 965
Delta R.T. -0.03 min
Lab File: VF062697.D
Acq: 22 May 2019 10:23

Tgt Ion:131 Resp: 433392
Ion Ratio Lower Upper
131 100
133 93.7 48.5 145.5
119 75.8 36.8 110.4





#67

Ethyl Benzene

Concen: 51.307 ug/l

RT: 10.01 min Scan# 962

Delta R.T. -0.02 min

Lab File: VF062697.D

Acq: 22 May 2019 10:23

Instrument :

MSVOA_F

ClientSampleId :

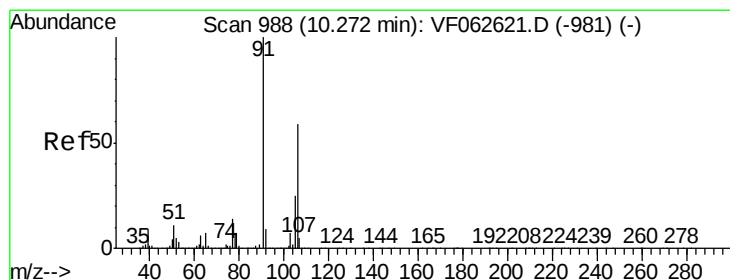
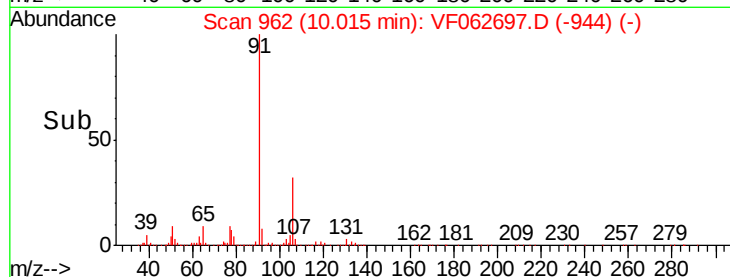
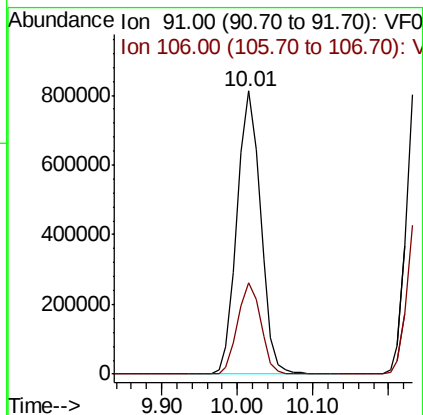
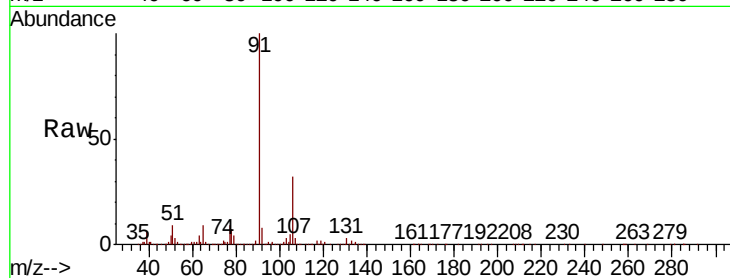
VSTDCCC050

Tot Ion: 91 Resp: 1754863

Ion Ratio Lower Upper

91 100

106 32.5 25.8 38.8



#68

m/p-Xylenes

Concen: 102.554 ug/l

RT: 10.24 min Scan# 985

Delta R.T. -0.03 min

Lab File: VF062697.D

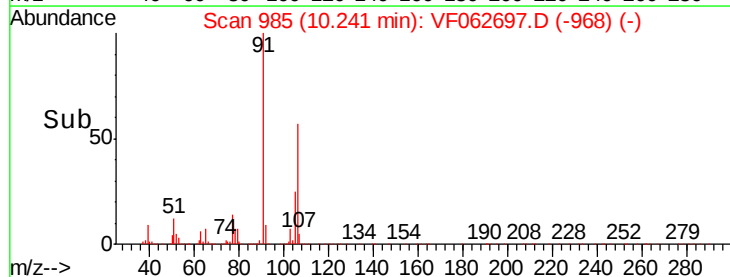
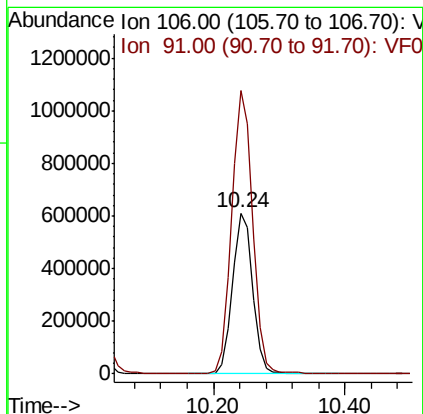
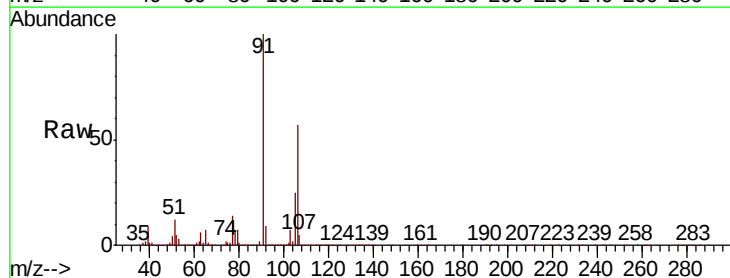
Acq: 22 May 2019 10:23

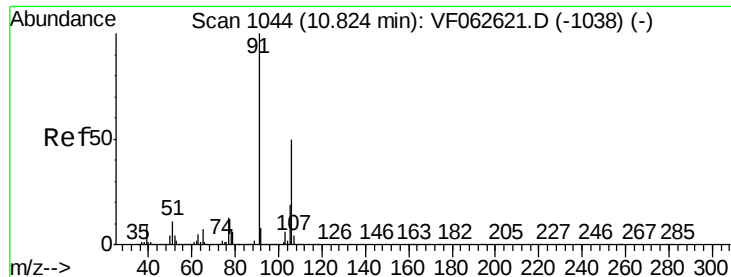
Tgt Ion:106 Resp: 1318341

Ion Ratio Lower Upper

106 100

91 176.0 136.9 205.3

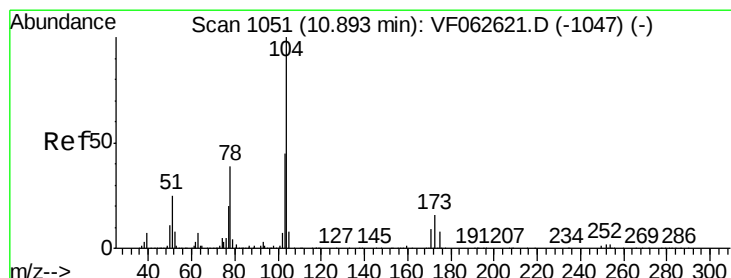
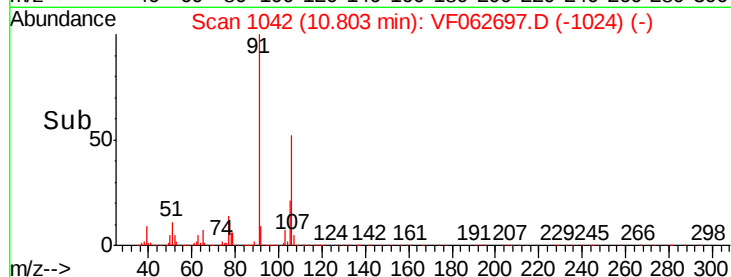
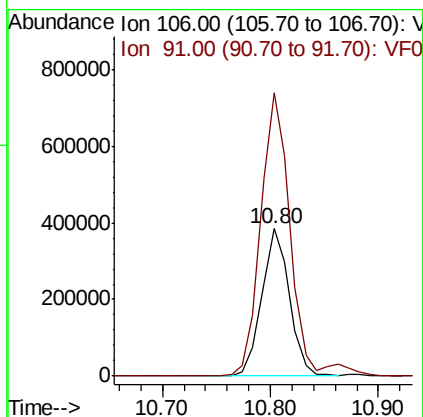
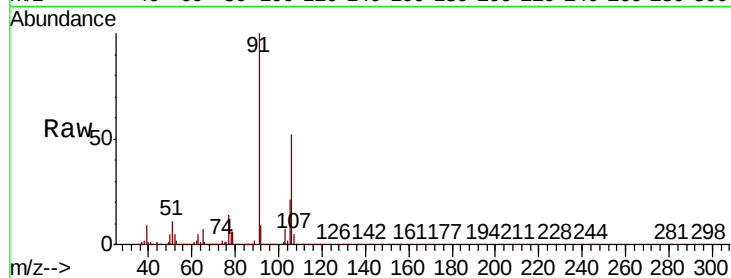




#69
o-Xylene
Concen: 51.991 ug/l
RT: 10.80 min Scan# 1042
Delta R.T. -0.02 min
Lab File: VF062697.D
Acq: 22 May 2019 10:23

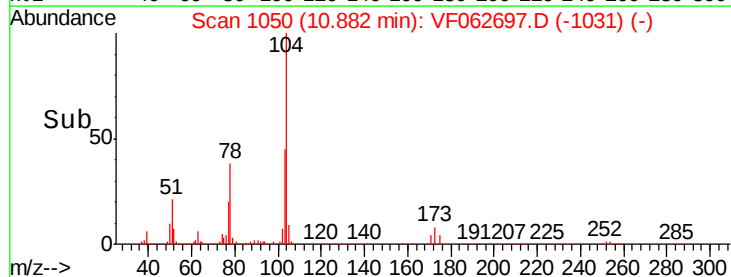
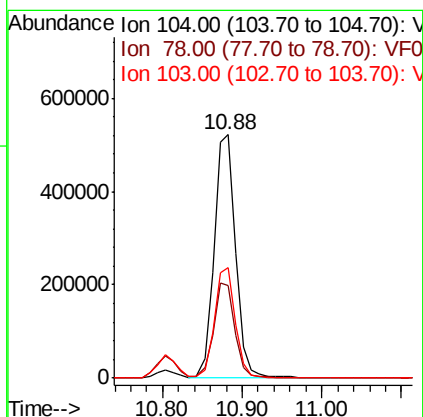
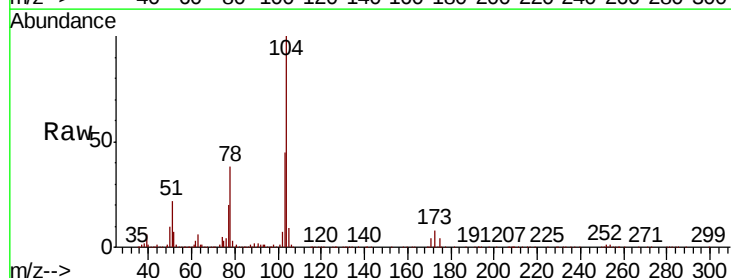
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

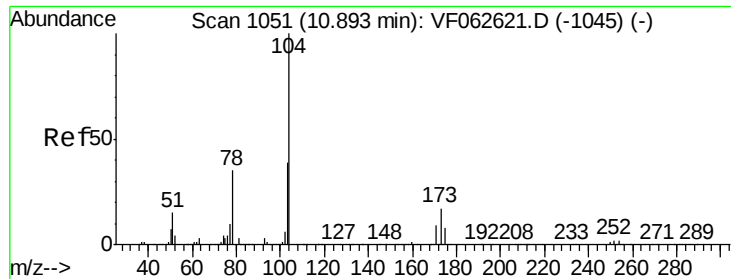
Tot Ion:106 Resp: 688402
Ion Ratio Lower Upper
106 100
91 192.4 100.2 300.5



#70
Styrene
Concen: 49.036 ug/l
RT: 10.88 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VF062697.D
Acq: 22 May 2019 10:23

Tgt Ion:104 Resp: 986868
Ion Ratio Lower Upper
104 100
78 38.0 31.9 47.9
103 45.4 36.1 54.1

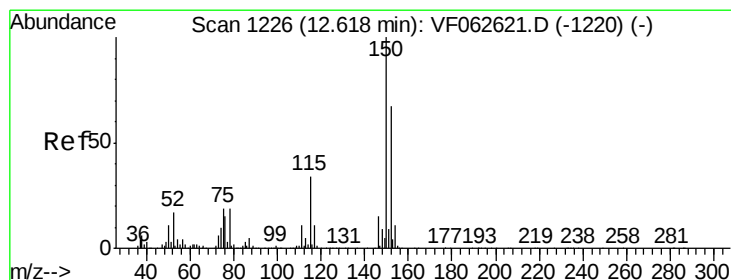
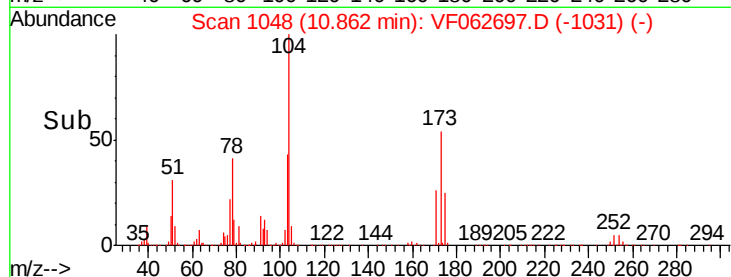
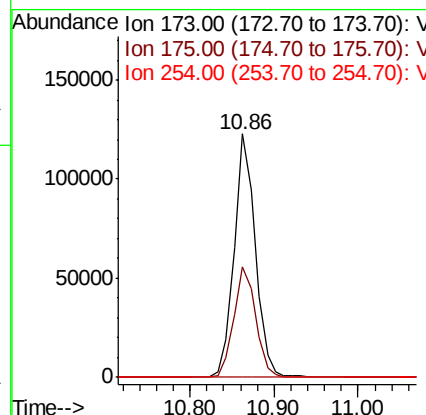
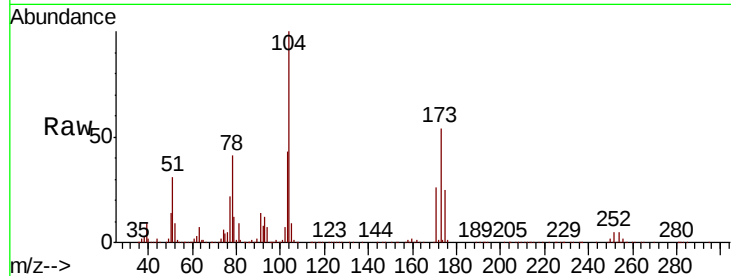




#71
Bromoform
Concen: 54.411 ug/l
RT: 10.86 min Scan# 1048
Delta R.T. -0.03 min
Lab File: VF062697.D
Acq: 22 May 2019 10:23

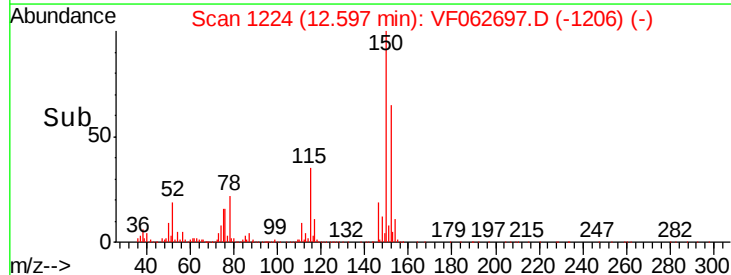
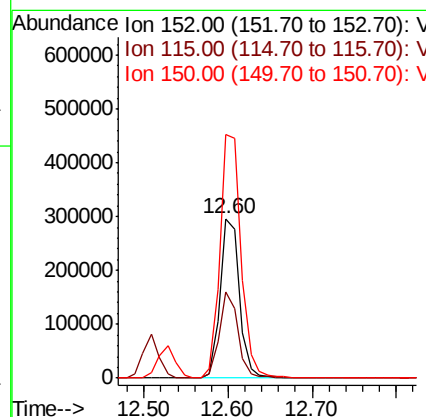
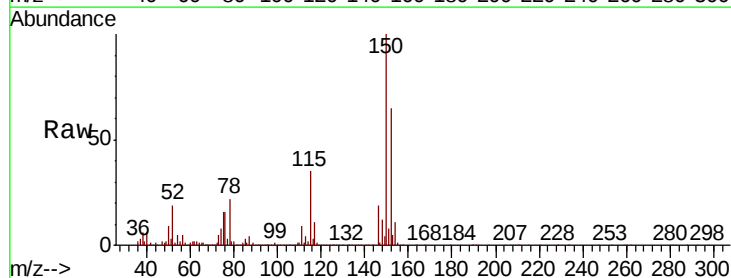
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

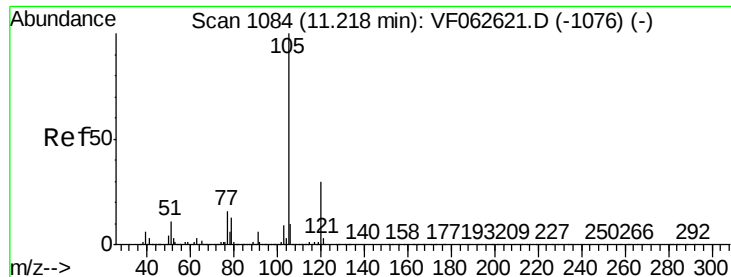
Tot Ion:173 Resp: 215388
Ion Ratio Lower Upper
173 100
175 45.5 25.3 75.9
254 0.1 0.2 0.2#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.60 min Scan# 1224
Delta R.T. -0.02 min
Lab File: VF062697.D
Acq: 22 May 2019 10:23

Tgt Ion:152 Resp: 474738
Ion Ratio Lower Upper
152 100
115 54.0 25.2 75.6
150 152.7 0.0 306.2





#73

Isopropylbenzene

Concen: 53.565 ug/l

RT: 11.20 min Scan# 1082

Delta R.T. -0.02 min

Lab File: VF062697.D

Acq: 22 May 2019 10:23

Instrument :

MSVOA_F

ClientSampleId :

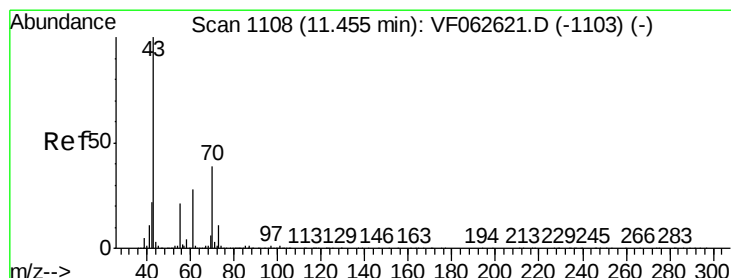
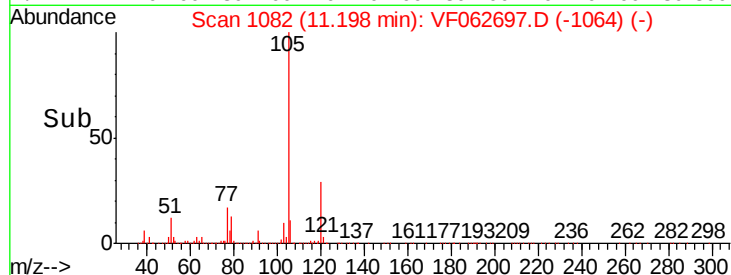
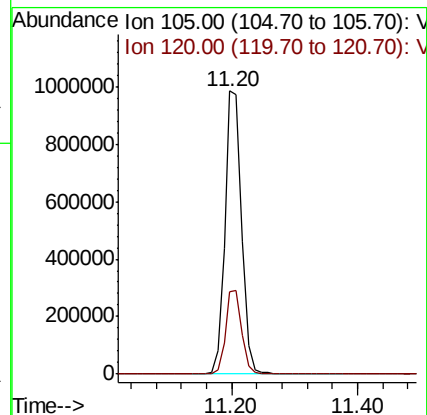
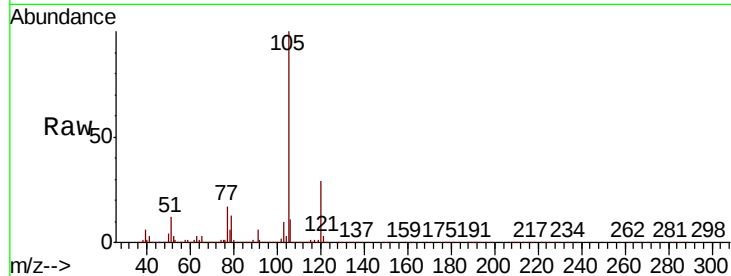
VSTDCCC050

Tot Ion:105 Resp: 1822558

Ion Ratio Lower Upper

105 100

120 29.1 14.8 44.4



#74

N-ethyl acetate

Concen: 48.227 ug/l

RT: 11.43 min Scan# 1106

Delta R.T. -0.02 min

Lab File: VF062697.D

Acq: 22 May 2019 10:23

Tgt Ion: 43 Resp: 419176

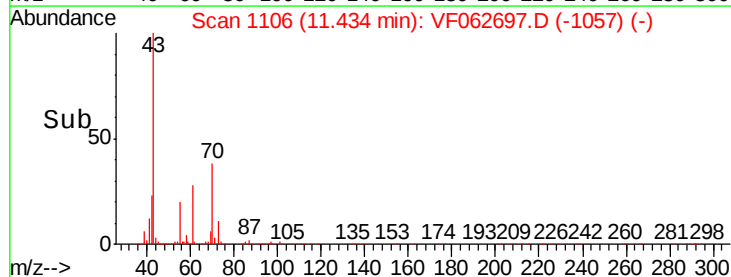
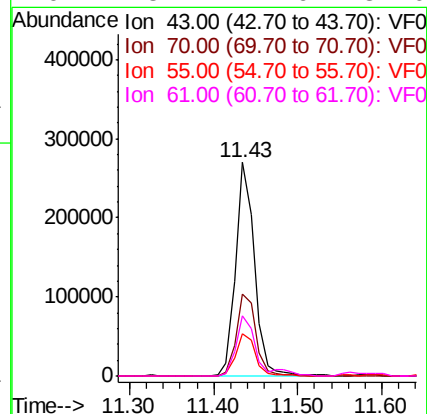
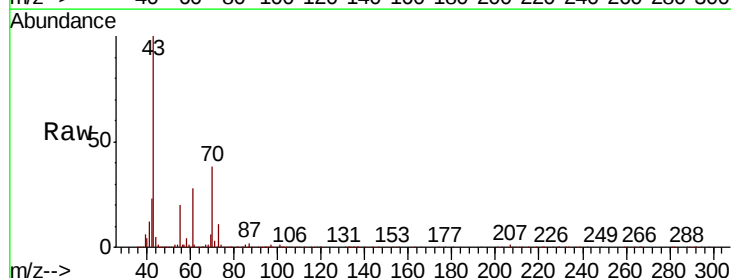
Ion Ratio Lower Upper

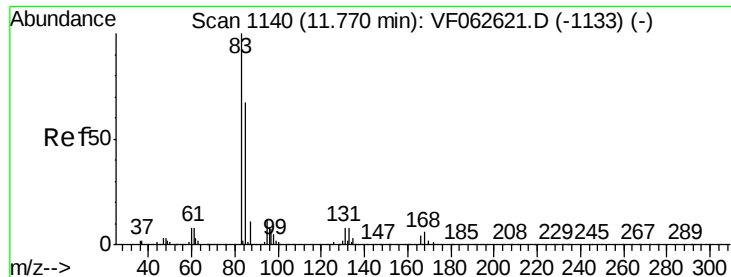
43 100

70 38.1 30.9 46.3

55 19.7 17.0 25.4

61 28.4 22.6 34.0





#75

1,1,2,2-Tetrachloroethane

Concen: 51.875 ug/l

RT: 11.76 min Scan# 1139

Delta R.T. -0.01 min

Lab File: VF062697.D

Acq: 22 May 2019 10:23

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

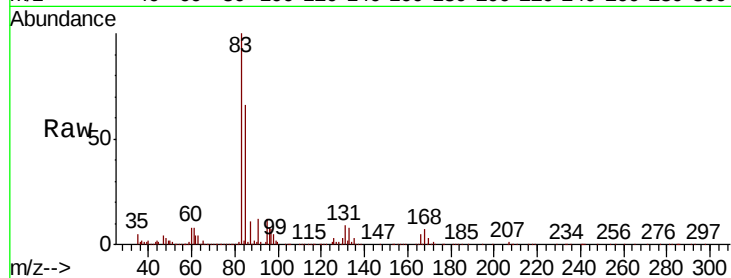
Tot Ion: 83 Resp: 360716

Ion Ratio Lower Upper

83 100

131 8.6 4.0 12.0

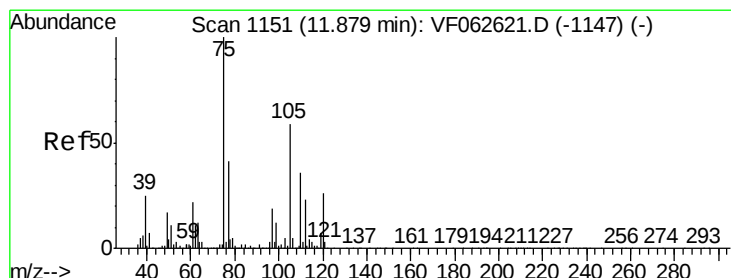
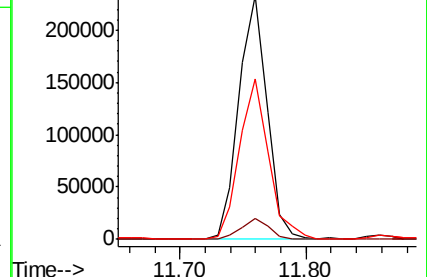
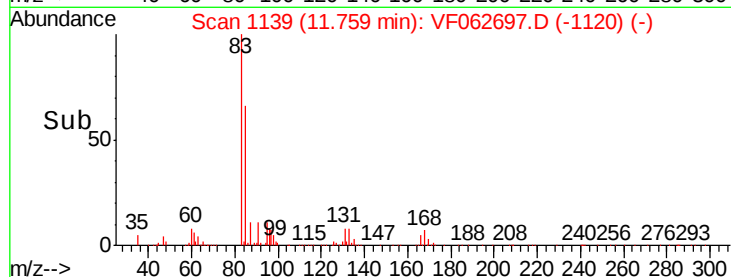
85 66.1 33.5 100.5



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): VF0

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 48.977 ug/l

RT: 11.86 min Scan# 1149

Delta R.T. -0.02 min

Lab File: VF062697.D

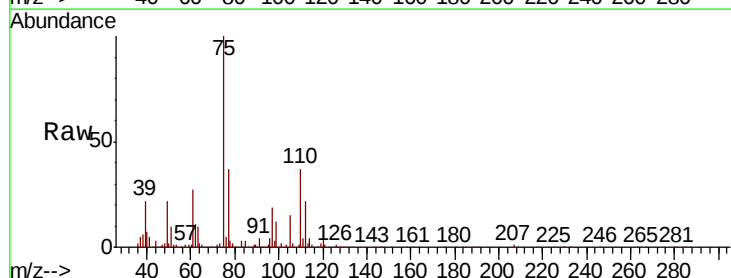
Acq: 22 May 2019 10:23

Tgt Ion: 75 Resp: 223772

Ion Ratio Lower Upper

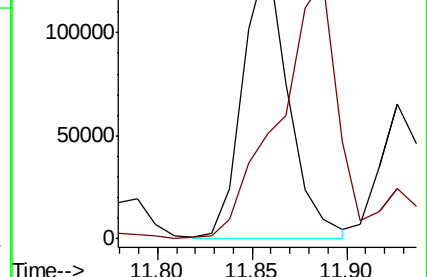
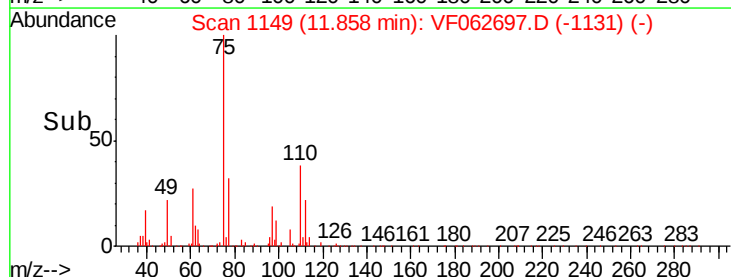
75 100

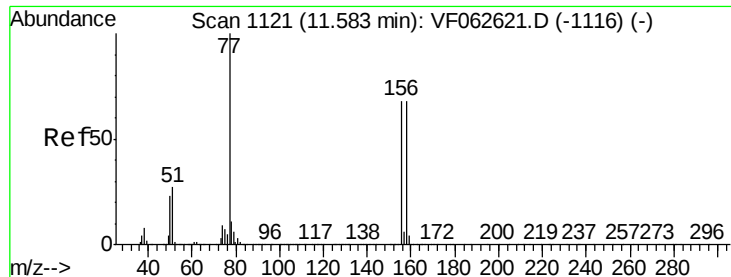
77 37.4 20.6 61.8



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 52.737 ug/l

RT: 11.57 min Scan# 1120

Delta R.T. -0.01 min

Lab File: VF062697.D

Acq: 22 May 2019 10:23

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

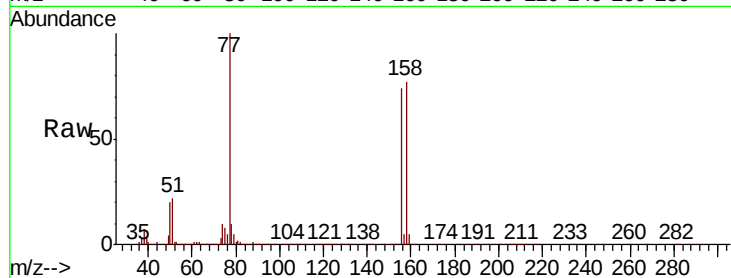
Tot Ion:156 Resp: 446030

Ion Ratio Lower Upper

156 100

77 135.2 73.6 220.8

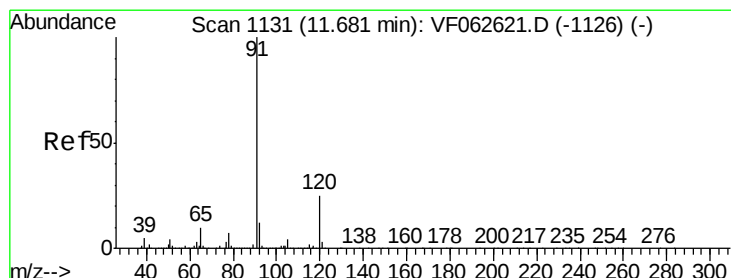
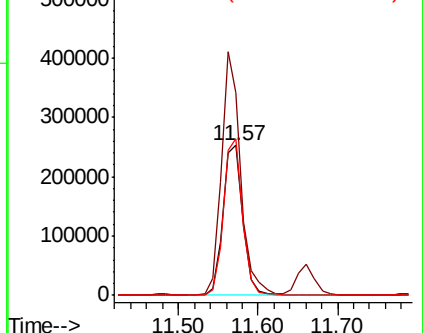
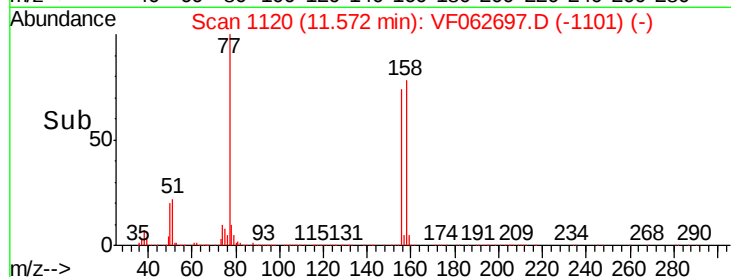
158 104.7 49.6 148.8



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: 51.215 ug/l

RT: 11.66 min Scan# 1129

Delta R.T. -0.02 min

Lab File: VF062697.D

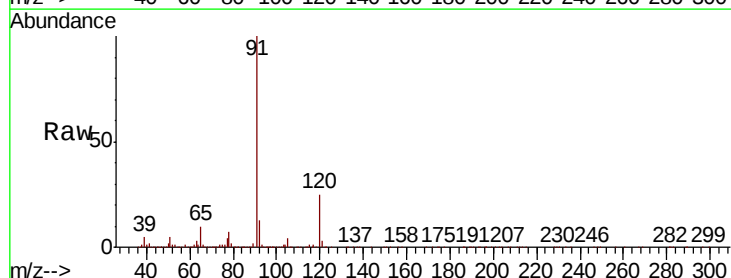
Acq: 22 May 2019 10:23

Tgt Ion: 91 Resp: 2062314

Ion Ratio Lower Upper

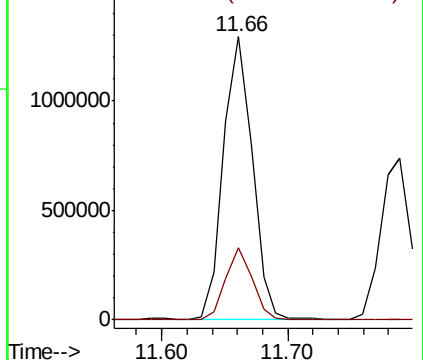
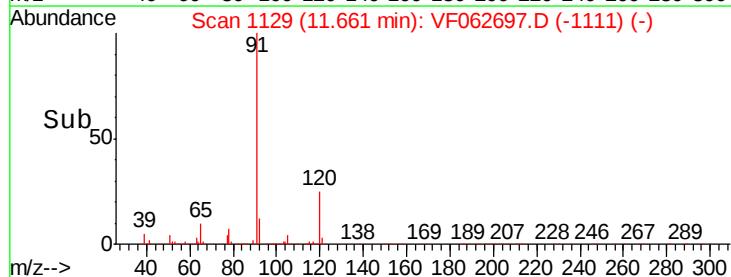
91 100

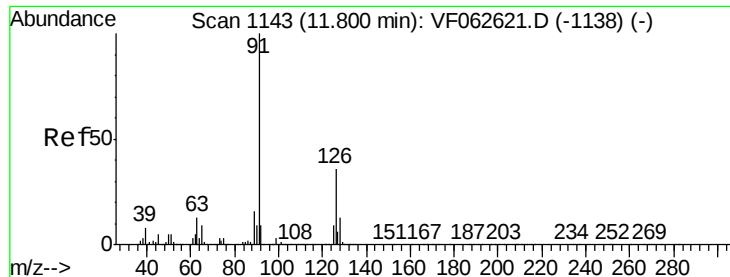
120 25.4 12.7 38.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 53.453 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. -0.01 min

Lab File: VF062697.D

Acq: 22 May 2019 10:23

Instrument :

MSVOA_F

ClientSampleId :

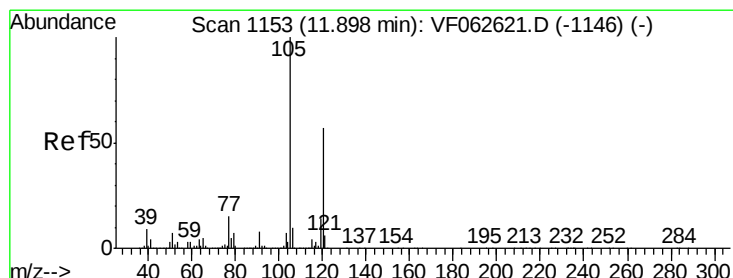
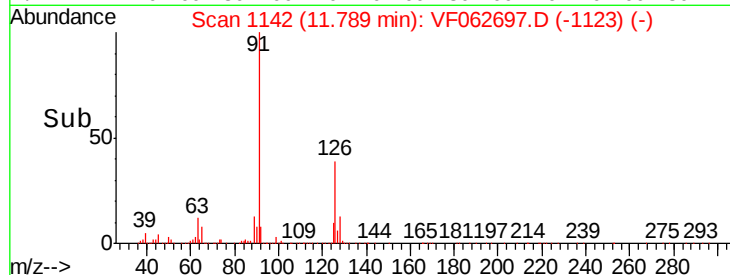
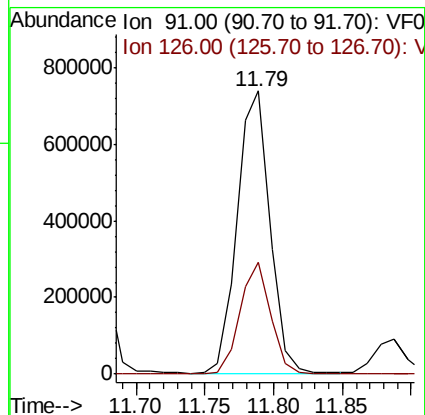
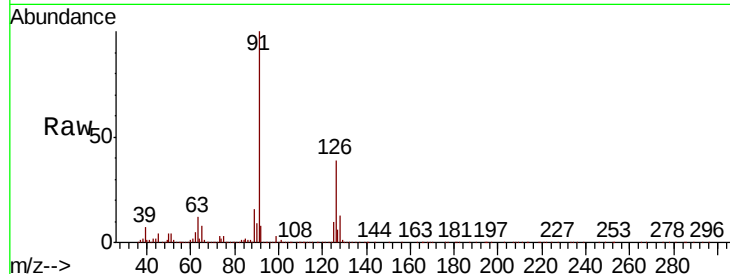
VSTDCCC050

Tot Ion: 91 Resp: 1213028

Ion Ratio Lower Upper

91 100

126 39.4 18.1 54.4



#80

1,3,5-Trimethylbenzene

Concen: 53.842 ug/l

RT: 11.89 min Scan# 1152

Delta R.T. -0.01 min

Lab File: VF062697.D

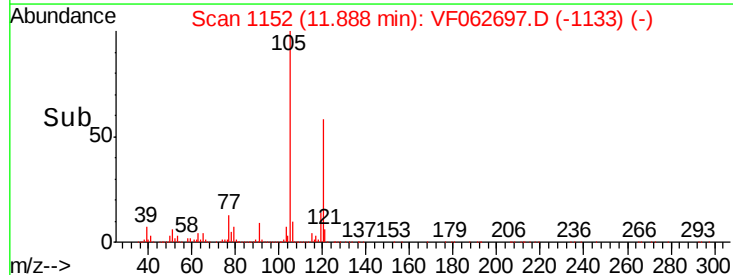
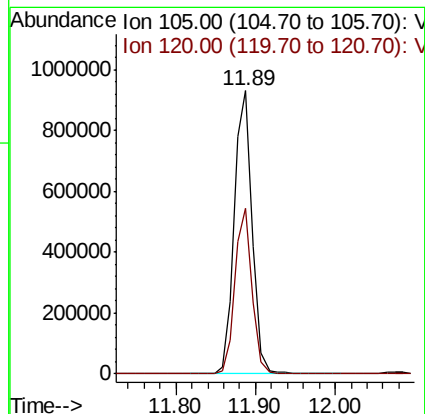
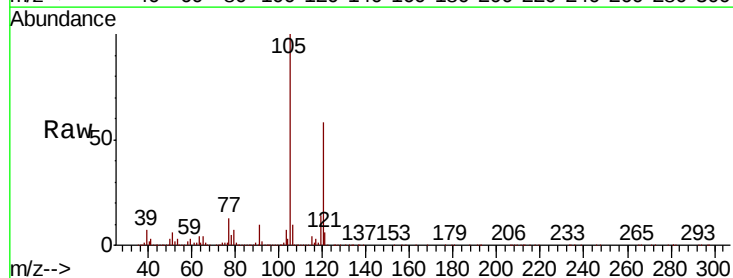
Acq: 22 May 2019 10:23

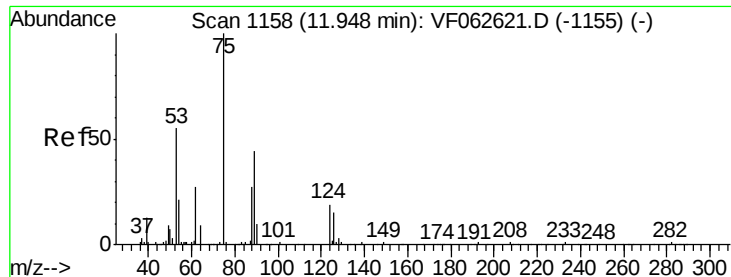
Tgt Ion:105 Resp: 1468965

Ion Ratio Lower Upper

105 100

120 58.4 28.7 86.3





#81

trans-1,4-Dichloro-2-butene

Concen: 66.133 ug/l

RT: 11.93 min Scan# 1156

Delta R.T. -0.02 min

Lab File: VF062697.D

Acq: 22 May 2019 10:23

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

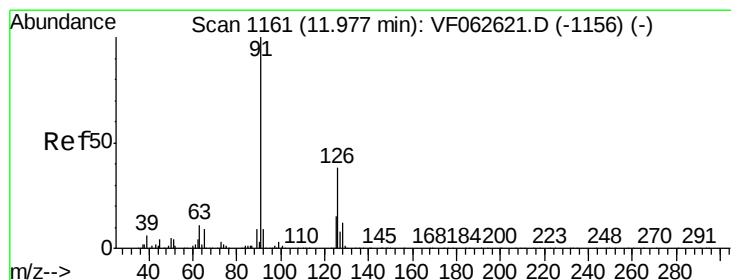
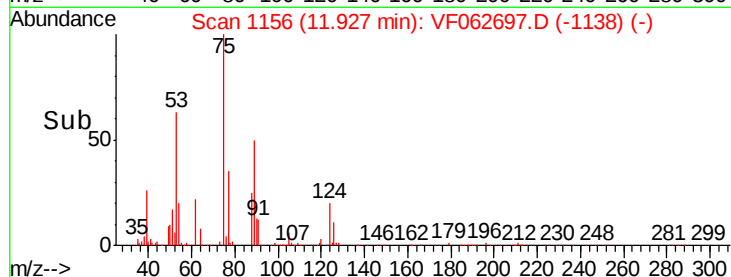
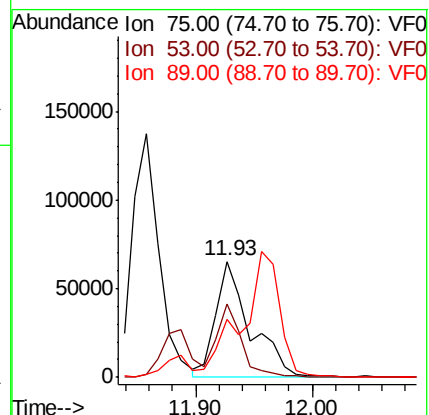
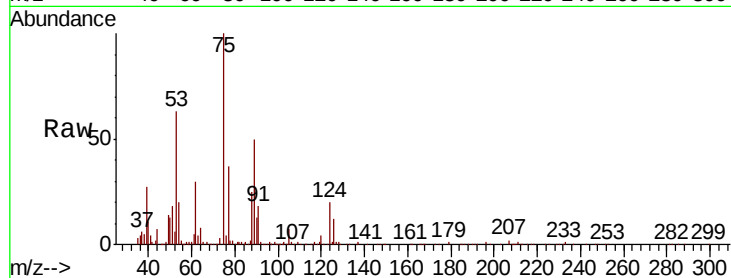
Tot Ion: 75 Resp: 134309

Ion Ratio Lower Upper

75 100

53 63.4 46.9 70.3

89 50.5 36.4 54.6



#82

4-Chlorotoluene

Concen: 51.862 ug/l

RT: 11.96 min Scan# 1159

Delta R.T. -0.02 min

Lab File: VF062697.D

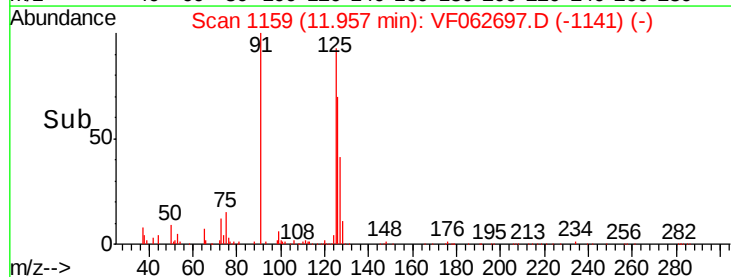
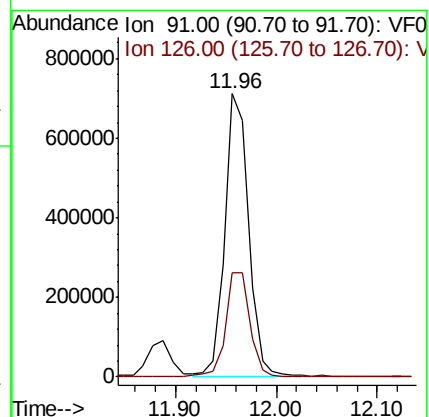
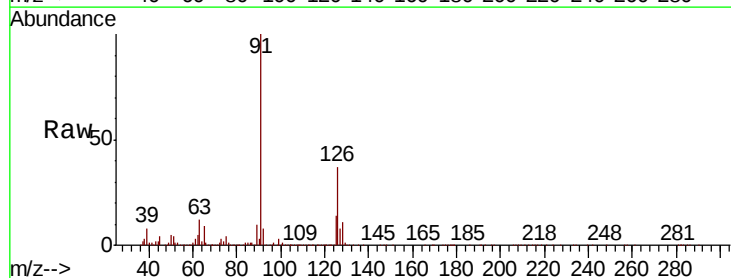
Acq: 22 May 2019 10:23

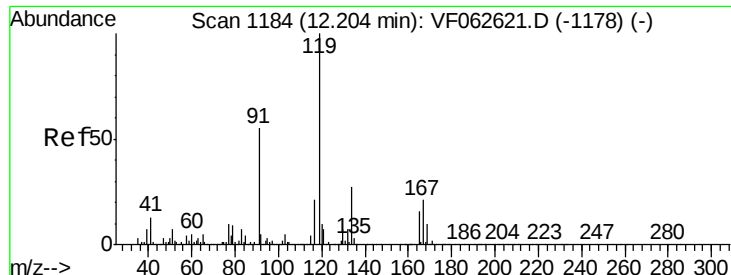
Tgt Ion: 91 Resp: 1160614

Ion Ratio Lower Upper

91 100

126 36.7 19.1 57.1





#83

tert-Butylbenzene

Concen: 53.665 ug/l

RT: 12.18 min Scan# 1182

Delta R.T. -0.02 min

Lab File: VF062697.D

Acq: 22 May 2019 10:23

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

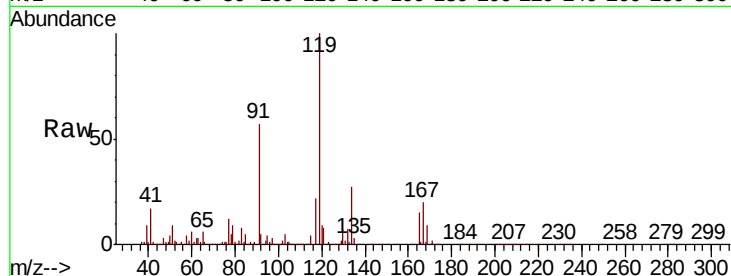
Tot Ion:119 Resp: 1485451

Ion Ratio Lower Upper

119 100

91 57.5 27.3 81.9

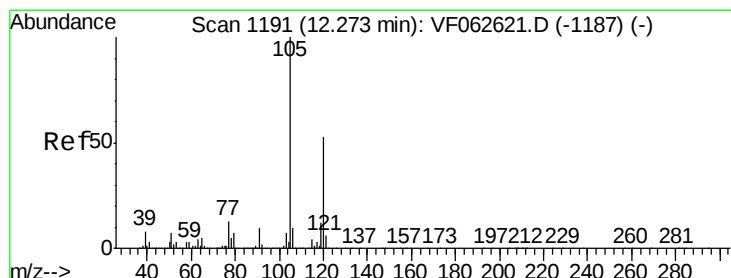
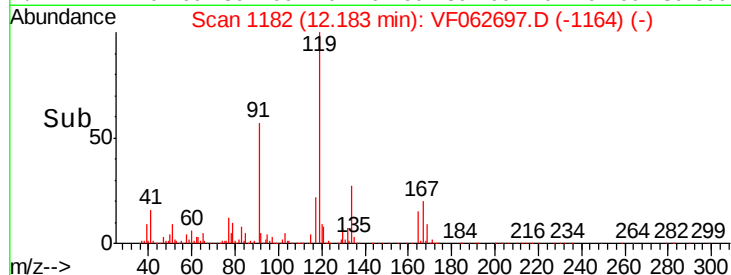
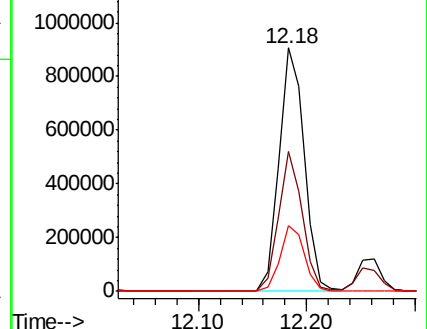
134 26.9 13.6 40.7



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: 53.040 ug/l

RT: 12.26 min Scan# 1190

Delta R.T. -0.01 min

Lab File: VF062697.D

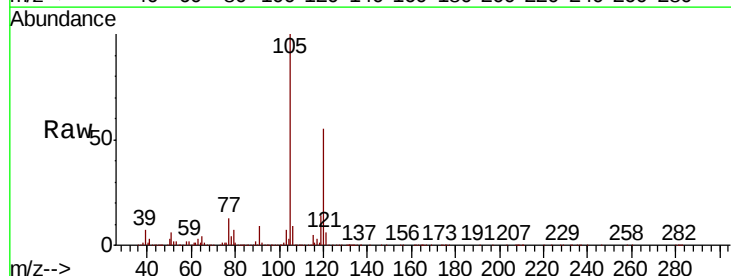
Acq: 22 May 2019 10:23

Tgt Ion:105 Resp: 1400583

Ion Ratio Lower Upper

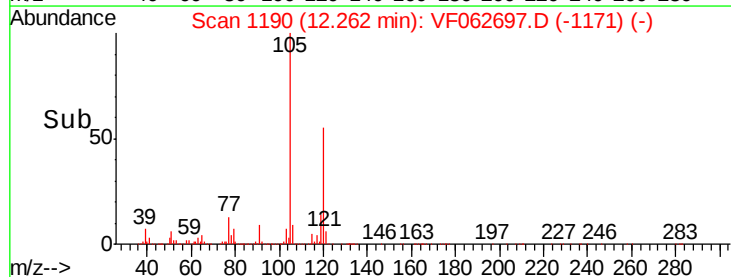
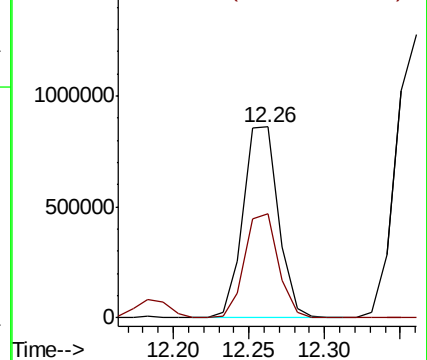
105 100

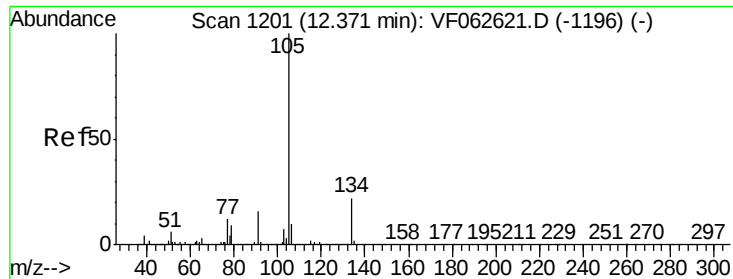
120 54.8 26.7 80.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 52.960 ug/l

RT: 12.36 min Scan# 1200

Delta R.T. -0.01 min

Lab File: VF062697.D

Acq: 22 May 2019 10:23

Instrument :

MSVOA_F

ClientSampleId :

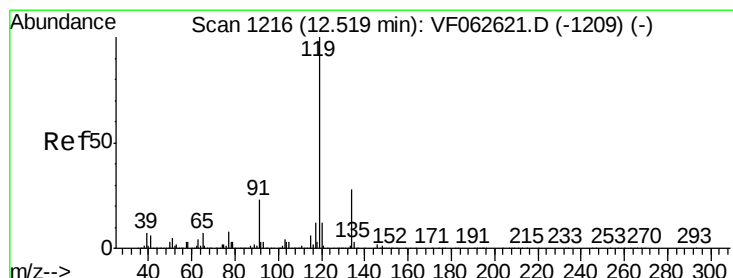
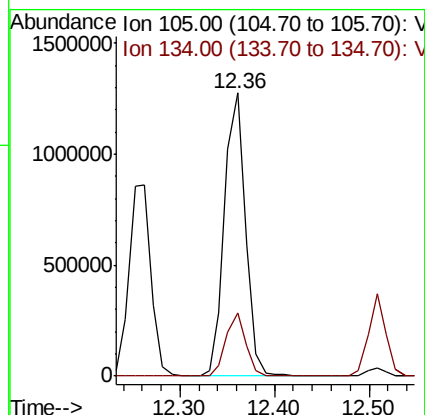
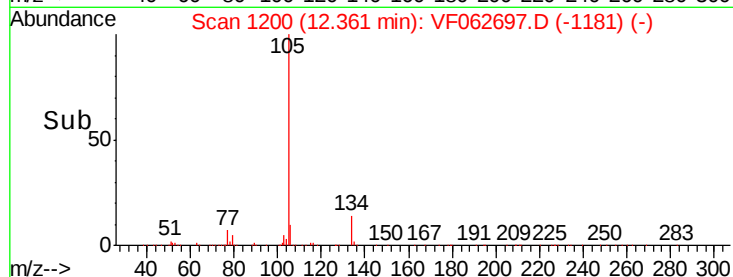
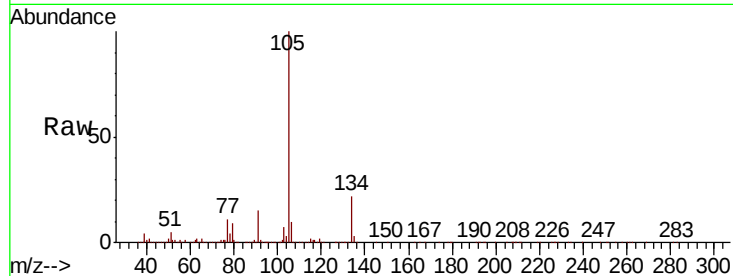
VSTDCCC050

Tot Ion:105 Resp: 1967310

Ion Ratio Lower Upper

105 100

134 22.4 10.8 32.4



#86

p-Isopropyltoluene

Concen: 53.250 ug/l

RT: 12.51 min Scan# 1215

Delta R.T. -0.01 min

Lab File: VF062697.D

Acq: 22 May 2019 10:23

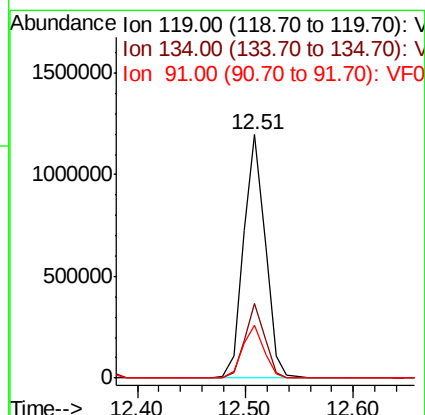
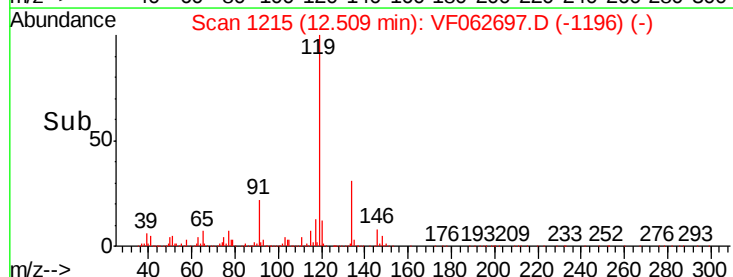
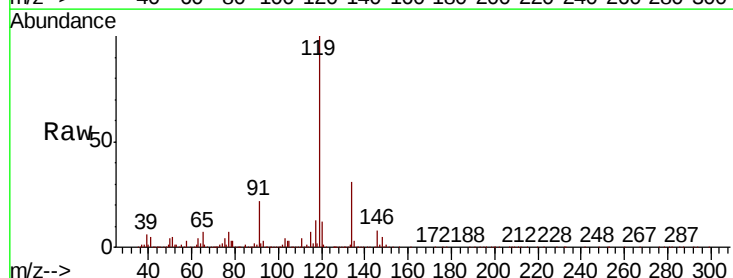
Tgt Ion:119 Resp: 1667042

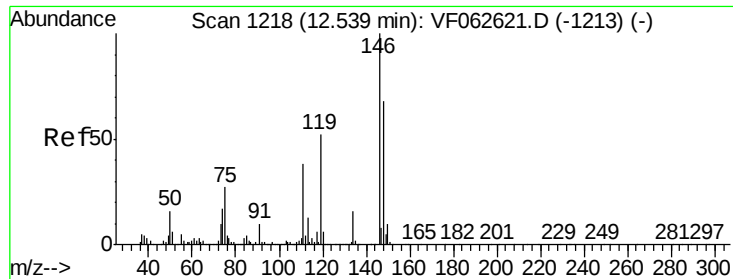
Ion Ratio Lower Upper

119 100

134 30.8 14.1 42.3

91 21.9 11.4 34.2





#87

1,3-Dichlorobenzene

Concen: 51.916 ug/l

RT: 12.53 min Scan# 1217

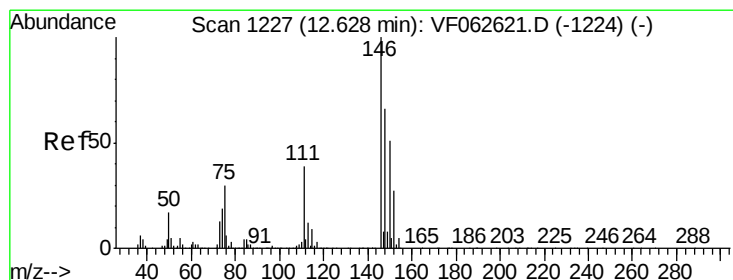
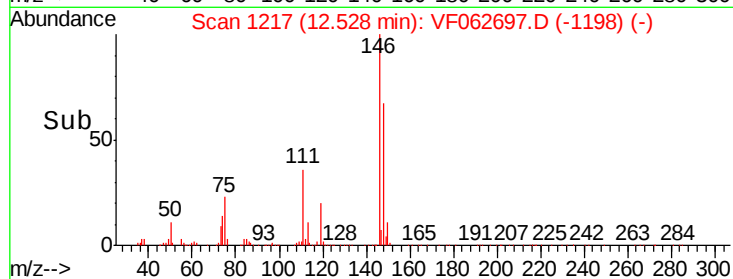
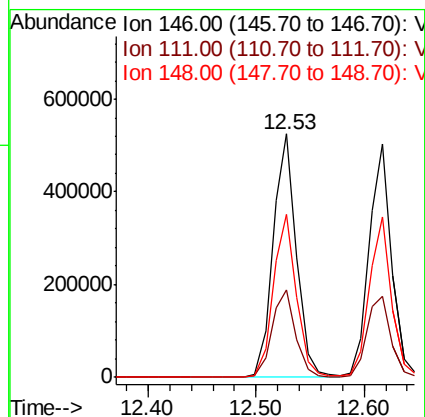
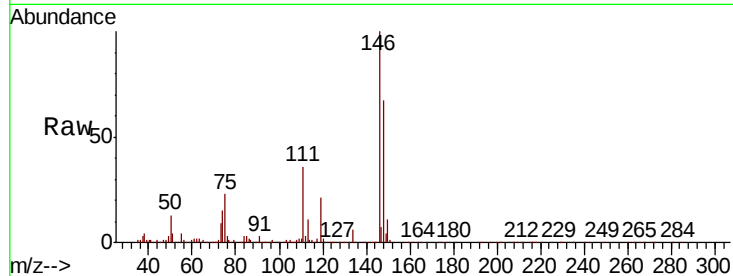
Delta R.T. -0.01 min

Lab File: VF062697.D

Acq: 22 May 2019 10:23

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.0	18.9	56.9
148	67.2	34.0	101.8



#88

1,4-Dichlorobenzene

Concen: 51.169 ug/l

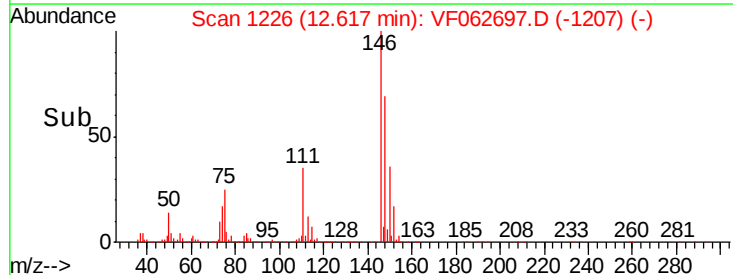
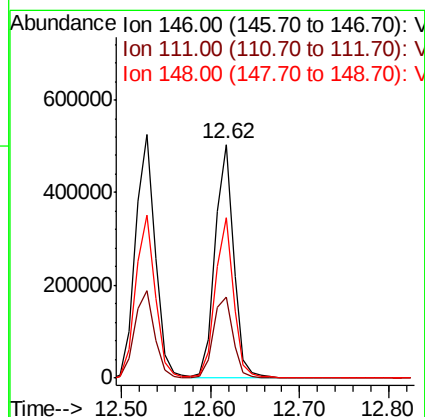
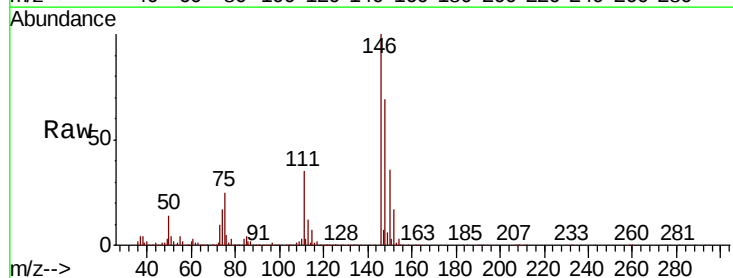
RT: 12.62 min Scan# 1226

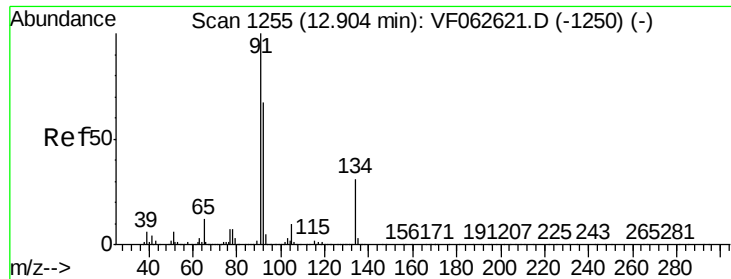
Delta R.T. -0.01 min

Lab File: VF062697.D

Acq: 22 May 2019 10:23

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.0	19.4	58.2
148	68.8	33.2	99.6





#89

n-Butylbenzene

Concen: 52.674 ug/l

RT: 12.88 min Scan# 1253

Delta R.T. -0.02 min

Lab File: VF062697.D

Acq: 22 May 2019 10:23

Instrument :

MSVOA_F

ClientSampled :

VSTDCCC050

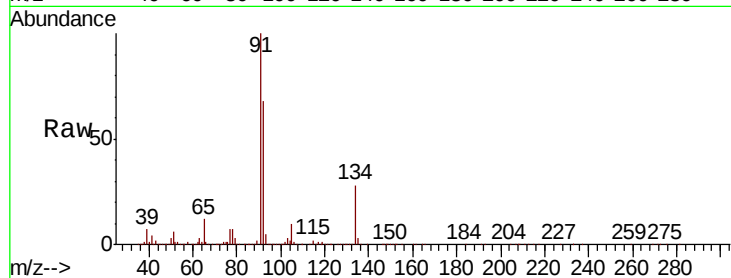
Tot Ion: 91 Resp: 1625836

Ion Ratio Lower Upper

91 100

92 68.0 33.3 99.8

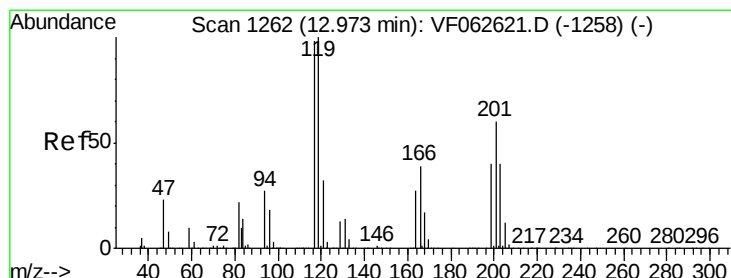
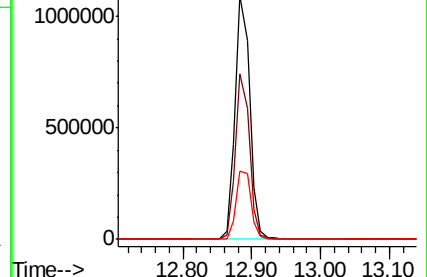
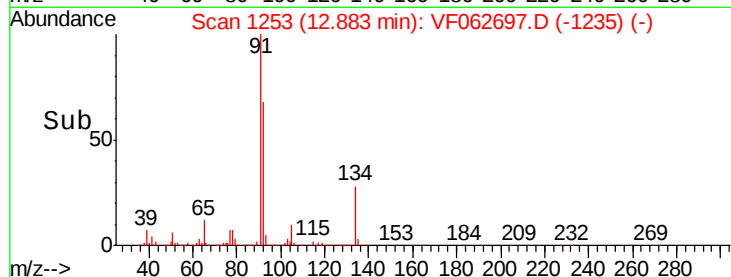
134 27.9 15.4 46.4



Abundance Ion 91.00 (90.70 to 91.70): VF062697.D (-1235) (-)

Ion 92.00 (91.70 to 92.70): VF062697.D (-1235) (-)

Ion 134.00 (133.70 to 134.70): VF062697.D (-1235) (-)



#90

Hexachloroethane

Concen: 59.127 ug/l

RT: 12.96 min Scan# 1261

Delta R.T. -0.01 min

Lab File: VF062697.D

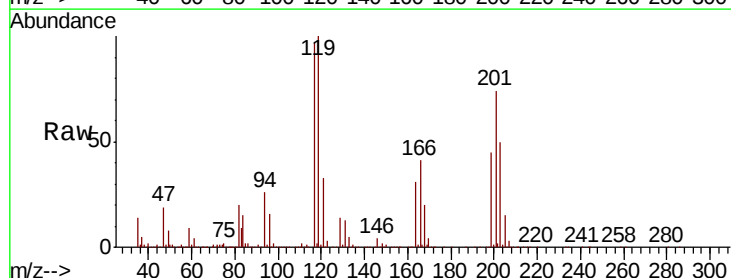
Acq: 22 May 2019 10:23

Tgt Ion: 117 Resp: 444035

Ion Ratio Lower Upper

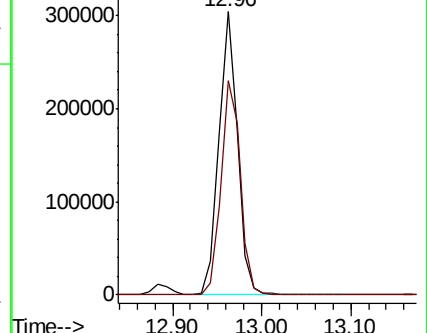
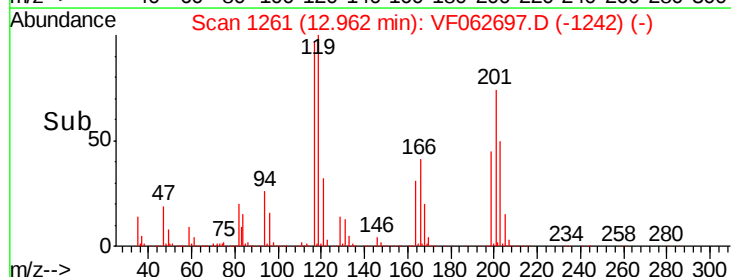
117 100

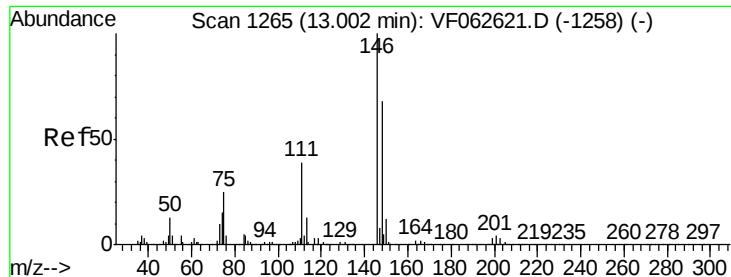
201 75.9 30.7 92.1



Abundance Ion 117.00 (116.70 to 117.70): VF062697.D (-1242) (-)

Ion 201.00 (200.70 to 201.70): VF062697.D (-1242) (-)

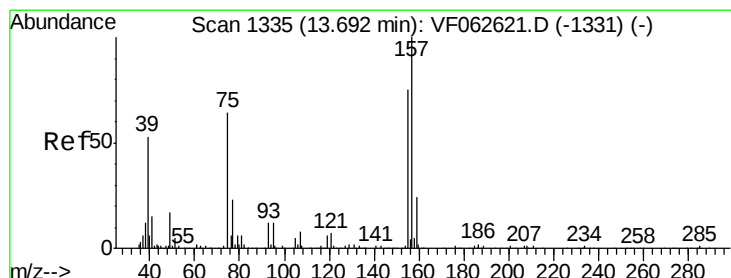
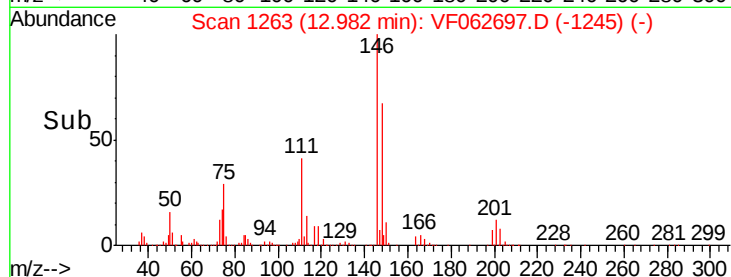
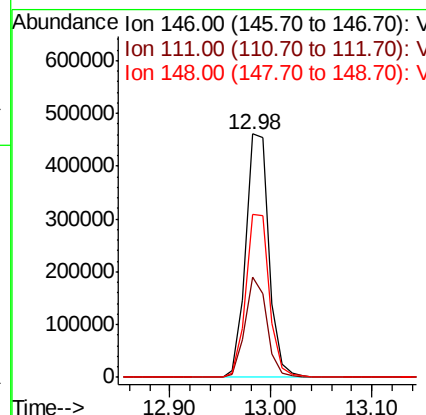
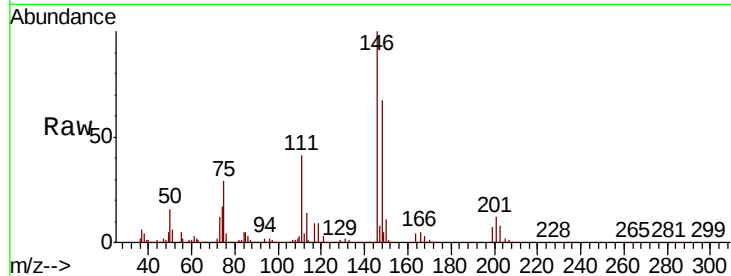




#91
 1,2-Dichlorobenzene
 Concen: 54.422 ug/l
 RT: 12.98 min Scan# 1263
 Delta R.T. -0.02 min
 Lab File: VF062697.D
 Acq: 22 May 2019 10:23

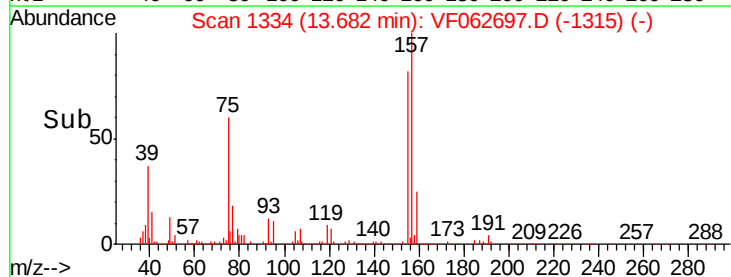
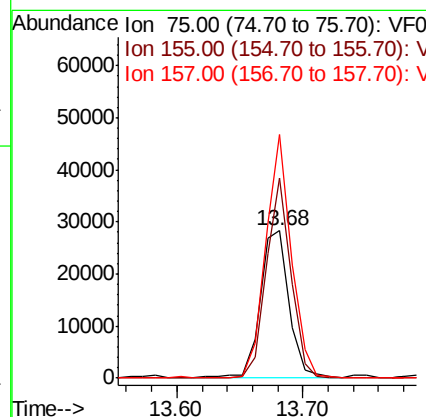
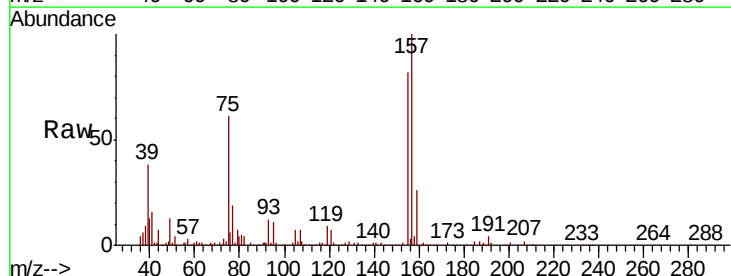
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

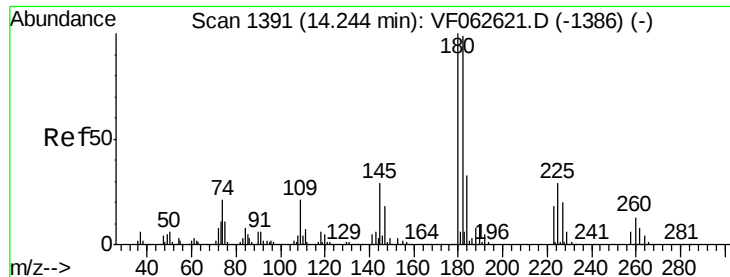
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.2	19.8	59.3
148	67.2	34.1	102.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.793 ug/l
 RT: 13.68 min Scan# 1334
 Delta R.T. -0.01 min
 Lab File: VF062697.D
 Acq: 22 May 2019 10:23

Tgt Ion	Ratio	Lower	Upper
75	100		
155	135.7	58.1	174.3
157	165.3	77.8	233.4

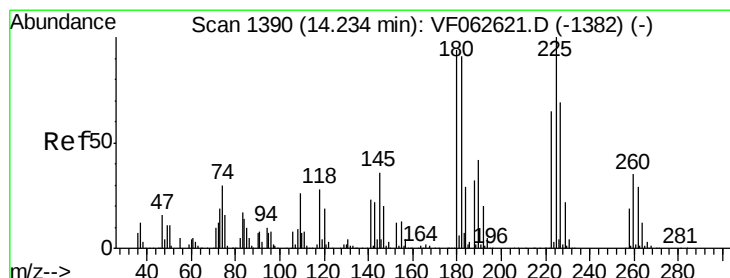
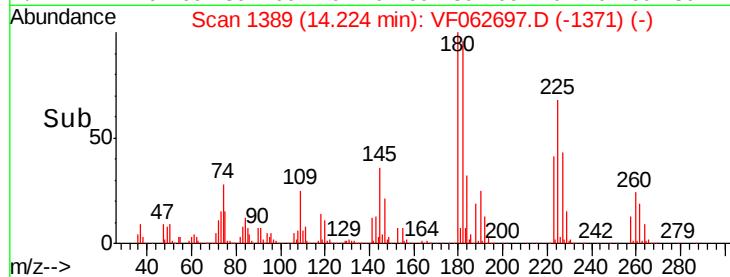
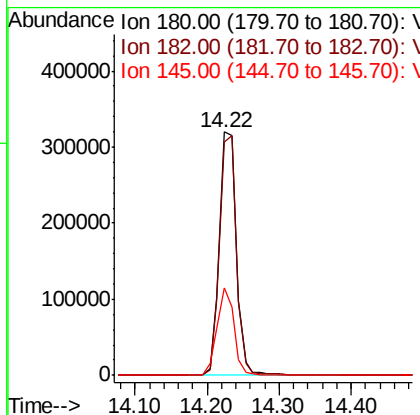
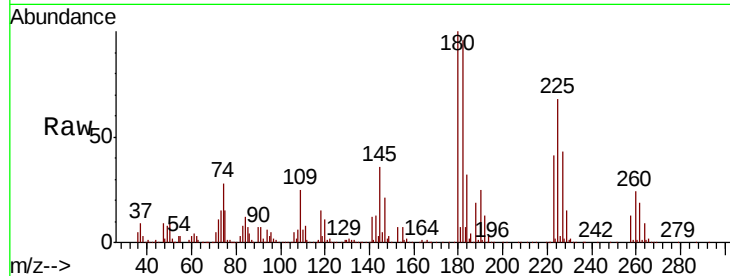




#93
 1,2,4-Trichlorobenzene
 Concen: 53.178 ug/l
 RT: 14.22 min Scan# 1389
 Delta R.T. -0.02 min
 Lab File: VF062697.D
 Acq: 22 May 2019 10:23

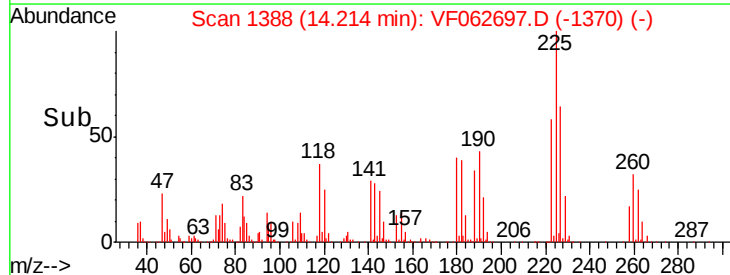
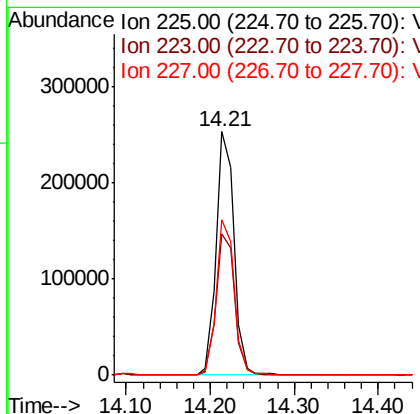
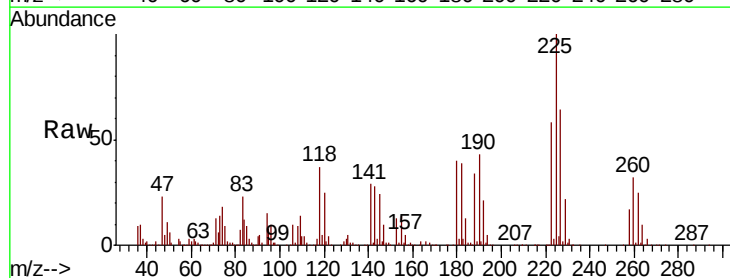
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

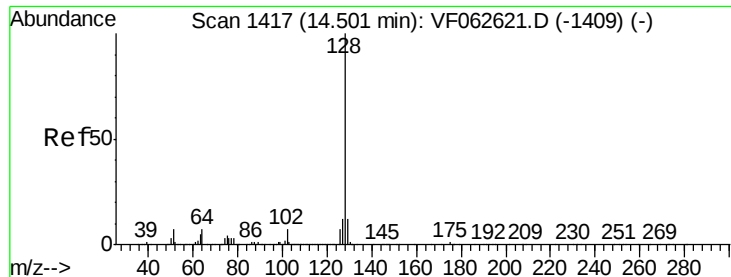
Tot Ion:180 Resp: 519196
 Ion Ratio Lower Upper
 180 100
 182 95.7 49.7 149.1
 145 35.9 14.6 44.0



#94
 Hexachlorobutadiene
 Concen: 54.915 ug/l
 RT: 14.21 min Scan# 1388
 Delta R.T. -0.02 min
 Lab File: VF062697.D
 Acq: 22 May 2019 10:23

Tgt Ion:225 Resp: 374161
 Ion Ratio Lower Upper
 225 100
 223 58.2 32.5 97.4
 227 63.7 34.5 103.5





#95

Naphthalene

Concen: 47.735 ug/l

RT: 14.48 min Scan# 1415

Delta R.T. -0.02 min

Lab File: VF062697.D

Acq: 22 May 2019 10:23

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

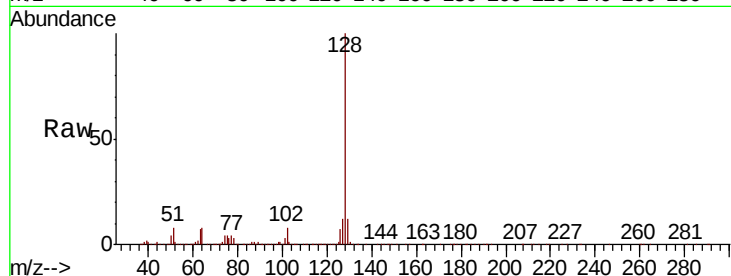
Tot Ion:128 Resp: 846681

Ion Ratio Lower Upper

128 100

127 11.9 9.7 14.5

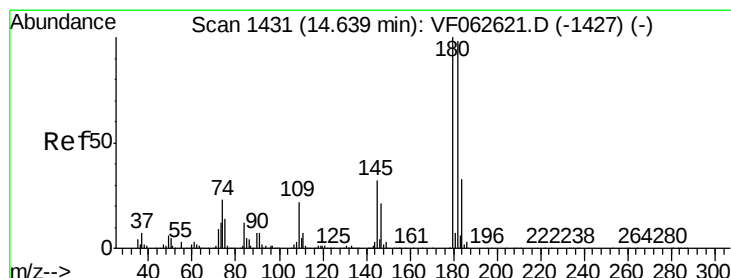
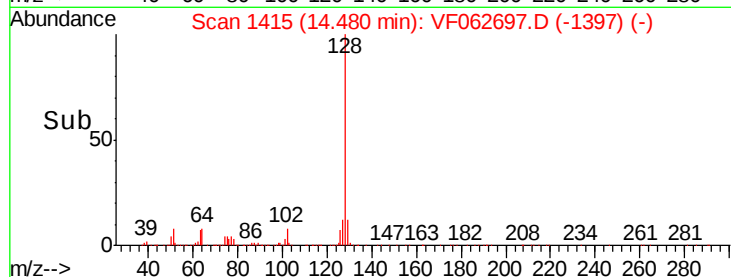
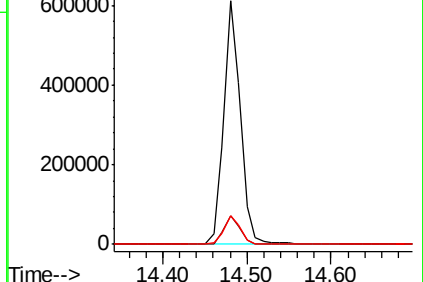
129 11.9 9.3 13.9



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: 53.429 ug/l

RT: 14.63 min Scan# 1430

Delta R.T. -0.01 min

Lab File: VF062697.D

Acq: 22 May 2019 10:23

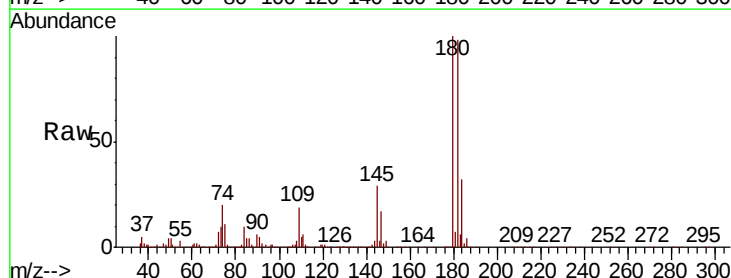
Tgt Ion:180 Resp: 494106

Ion Ratio Lower Upper

180 100

182 97.9 48.9 146.7

145 28.9 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

