

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF050819\
 Data File : VF062371.D
 Acq On : 8 May 2019 11:02
 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 08 16:06:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F050619S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 04:34:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	314445	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.76	114	433068	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.89	117	359977	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.61	152	208328	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.02	65	152973	51.48	ug/l	0.00
Spiked Amount			Recovery	=	102.96%	
35) Dibromofluoromethane	4.30	113	179817	52.12	ug/l	0.00
Spiked Amount			Recovery	=	104.24%	
50) Toluene-d8	7.70	98	414633	49.65	ug/l	0.00
Spiked Amount			Recovery	=	99.30%	
62) 4-Bromofluorobenzene	11.48	95	182749	48.50	ug/l	0.00
Spiked Amount			Recovery	=	97.00%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.00	85	154883	42.560	ug/l	100
3) Chloromethane	1.16	50	103924	43.299	ug/l	88
4) Vinyl Chloride	1.19	62	104034	43.456	ug/l	95
5) Bromomethane	1.41	94	87083	48.113	ug/l	97
6) Chloroethane	1.45	64	57715	47.951	ug/l	99
7) Trichlorofluoromethane	1.57	101	235022	47.315	ug/l	96
8) Diethyl Ether	1.70	74	33881	45.079	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	1.91	101	143494	50.600	ug/l	96
10) Methyl Iodide	1.99	142	222676m	47.649	ug/l	
11) Tert butyl alcohol	2.70	59	37945	225.932	ug/l	99
12) 1,1-Dichloroethene	1.87	96	109821	45.553	ug/l	89
13) Acrolein	2.09	56	25152	241.571	ug/l	96
14) Allyl chloride	2.20	41	111175	52.204	ug/l	97
15) Acrylonitrile	3.07	53	84455	265.466	ug/l	97
16) Acetone	2.34	43	189712	315.587	ug/l	99
17) Carbon Disulfide	1.92	76	237784	45.235	ug/l #	93
18) Methyl Acetate	2.45	43	55602	50.767	ug/l #	91
19) Methyl tert-butyl Ether	2.54	73	237700	47.764	ug/l	97
20) Methylene Chloride	2.33	84	100680m	46.291	ug/l	
21) trans-1,2-Dichloroethene	2.41	96	104804	45.628	ug/l	94
22) Diisopropyl ether	2.93	45	326017	48.982	ug/l	98
23) Vinyl Acetate	3.33	43	768646	259.111	ug/l	99
24) 1,1-Dichloroethane	3.00	63	205835	51.168	ug/l	98
25) 2-Butanone	4.51	43	213236	282.346	ug/l	99
26) 2,2-Dichloropropane	3.76	77	113870	50.689	ug/l	97
27) cis-1,2-Dichloroethene	3.64	96	137848	48.011	ug/l	96
28) Bromochloromethane	3.89	49	100583	55.133	ug/l	99
29) Tetrahydrofuran	4.26	42	81199	233.936	ug/l	98
30) Chloroform	4.04	83	266042	48.953	ug/l	99
31) Cyclohexane	3.85	56	154160m	48.012	ug/l	
32) 1,1,1-Trichloroethane	4.28	97	230821m	49.555	ug/l	
36) 1,1-Dichloropropene	4.46	75	176560	47.460	ug/l	99
37) Ethyl Acetate	4.29	43	74909	51.910	ug/l #	99
38) Carbon Tetrachloride	4.17	117	192346	49.838	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF050819\
 Data File : VF062371.D
 Acq On : 8 May 2019 11:02
 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 08 16:06:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F050619S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 04:34:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	182338	48.871	ug/l	96
40) Benzene	4.81	78	396784	48.435	ug/l	99
41) Methacrylonitrile	4.92	41	42291	47.410	ug/l	94
42) 1,2-Dichloroethane	5.11	62	170996	49.908	ug/l	100
43) Isopropyl Acetate	7.10	43	80591	47.627	ug/l #	96
44) Trichloroethene	5.67	130	144768	48.106	ug/l	100
45) 1,2-Dichloropropane	6.40	63	93536	50.409	ug/l	98
46) Dibromomethane	6.25	93	75492	49.069	ug/l	99
47) Bromodichloromethane	6.53	83	192691	50.096	ug/l	95
48) Methyl methacrylate	6.86	41	57916	48.432	ug/l	95
49) 1,4-Dioxane	6.86	88	10416	844.891	ug/l	95
51) 4-Methyl-2-Pentanone	8.39	43	311431	242.887	ug/l	99
52) Toluene	7.77	92	252267	49.916	ug/l	97
53) t-1,3-Dichloropropene	8.41	75	135670	46.635	ug/l	97
54) cis-1,3-Dichloropropene	7.44	75	173982	51.386	ug/l	99
55) 1,1,2-Trichloroethane	8.61	97	78534	48.951	ug/l	94
56) Ethyl methacrylate	8.74	69	76678	45.277	ug/l	97
57) 1,3-Dichloropropane	8.98	76	118780	49.015	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.43	63	112857	221.657	ug/l	95
59) 2-Hexanone	9.61	43	224946	253.667	ug/l	98
60) Dibromochloromethane	8.84	129	131925	50.278	ug/l	99
61) 1,2-Dibromoethane	9.12	107	92590	49.104	ug/l	100
64) Tetrachloroethene	8.29	164	135868	46.492	ug/l	98
65) Chlorobenzene	9.91	112	302648	50.813	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.04	131	150416	50.061	ug/l	96
67) Ethyl Benzene	10.01	91	505183	48.438	ug/l	99
68) m/p-Xylenes	10.24	106	372215	96.726	ug/l	100
69) o-Xylene	10.80	106	207173	49.823	ug/l	91
70) Styrene	10.88	104	297399	47.722	ug/l	97
71) Bromoform	10.86	173	82357	50.031	ug/l	97
73) Isopropylbenzene	11.21	105	636280	51.519	ug/l	100
74) N-amyl acetate	11.43	43	129310	48.769	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.76	83	103833	53.694	ug/l	99
76) 1,2,3-Trichloropropane	11.86	75	76354	51.753	ug/l #	100
77) Bromobenzene	11.57	156	167850	51.784	ug/l	98
78) n-propylbenzene	11.66	91	667653	50.776	ug/l	99
79) 2-Chlorotoluene	11.79	91	416011	50.880	ug/l	99
80) 1,3,5-Trimethylbenzene	11.89	105	549348	50.748	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.93	75	28739m	51.822	ug/l	
82) 4-Chlorotoluene	11.96	91	415089	51.401	ug/l	100
83) tert-Butylbenzene	12.18	119	603983	53.090	ug/l	99
84) 1,2,4-Trimethylbenzene	12.26	105	523575	49.424	ug/l	98
85) sec-Butylbenzene	12.36	105	712826	51.477	ug/l	100
86) p-Isopropyltoluene	12.51	119	635225	49.374	ug/l	100
87) 1,3-Dichlorobenzene	12.53	146	281427	47.540	ug/l	99
88) 1,4-Dichlorobenzene	12.62	146	277922	48.642	ug/l	98
89) n-Butylbenzene	12.88	91	584863	51.097	ug/l	99
90) Hexachloroethane	12.96	117	171990	53.540	ug/l	97
91) 1,2-Dichlorobenzene	12.99	146	289065	50.449	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.68	75	22751	52.515	ug/l	98

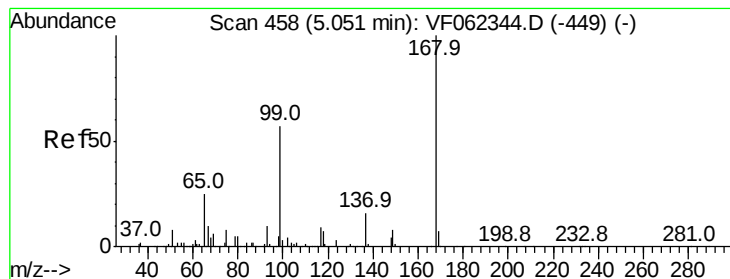
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF050819\
Data File : VF062371.D
Acq On : 8 May 2019 11:02
Operator : FY/SY
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA F/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Quant Time: May 08 16:06:40 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82F050619S.M
Quant Title : SW846 8260
QLast Update : Tue May 07 04:34:57 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.23	180	273557	53.227	ug/l	100
94) Hexachlorobutadiene	14.22	225	209317	54.644	ug/l	98
95) Naphthalene	14.48	128	417756	54.067	ug/l	99
96) 1,2,3-Trichlorobenzene	14.63	180	266215	53.467	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.03 min Scan# 457

Delta R.T. -0.02 min

Lab File: VF062371.D

Acq: 8 May 2019 11:02

Instrument :

MSVOA_F

ClientSampleId :

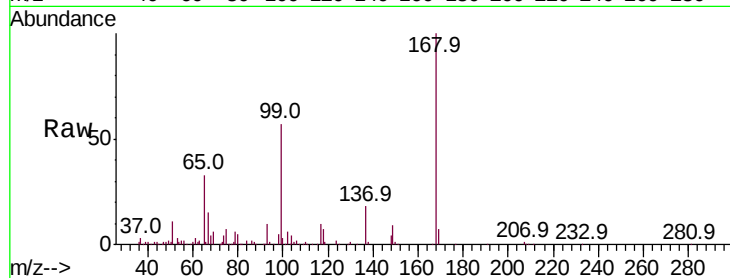
VSTDCCC050

Tot Ion:168 Resp: 314445

Ion Ratio Lower Upper

168 100

99 57.2 45.9 68.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VF0

5.03

120000

100000

80000

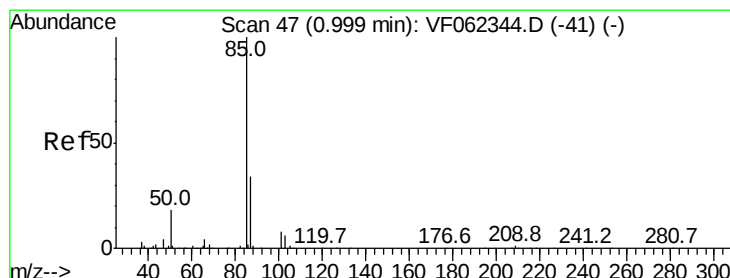
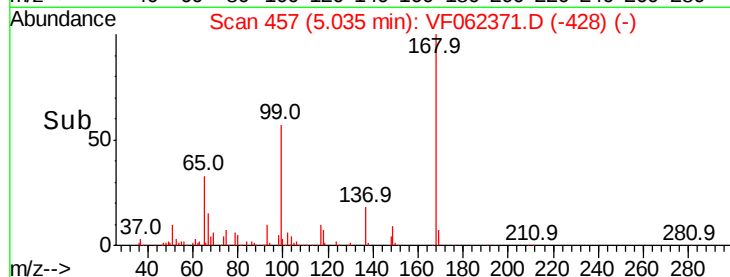
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 42.560 ug/l

RT: 1.00 min Scan# 48

Delta R.T. 0.00 min

Lab File: VF062371.D

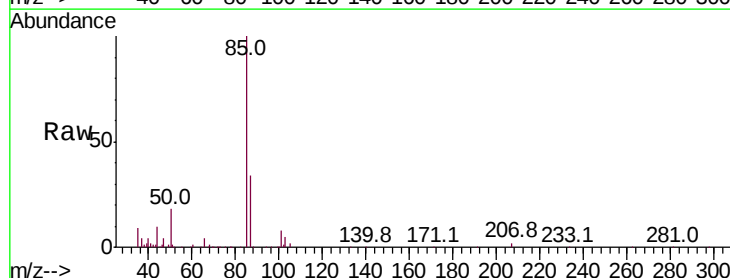
Acq: 8 May 2019 11:02

Tgt Ion: 85 Resp: 154883

Ion Ratio Lower Upper

85 100

87 33.6 16.8 50.4



Abundance Ion 84.90 (84.60 to 85.60): VF0

Ion 86.90 (86.60 to 87.60): VF0

1.00

40000

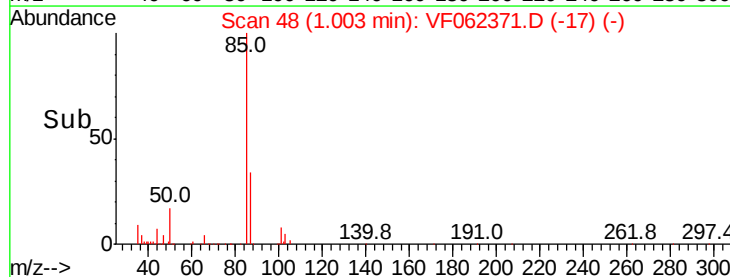
30000

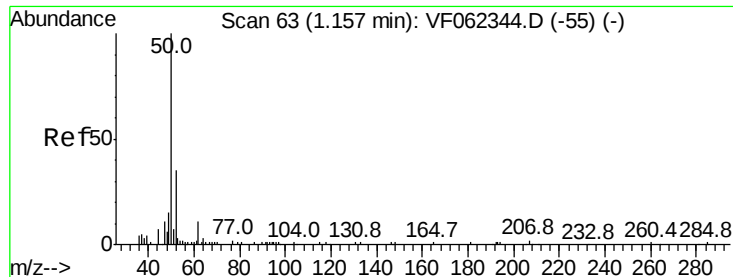
20000

10000

0

Time-->





#3

Chloromethane

Concen: 43.299 ug/l

RT: 1.16 min Scan# 64

Delta R.T. 0.00 min

Lab File: VF062371.D

Acq: 8 May 2019 11:02

Instrument :

MSVOA_F

ClientSampleId :

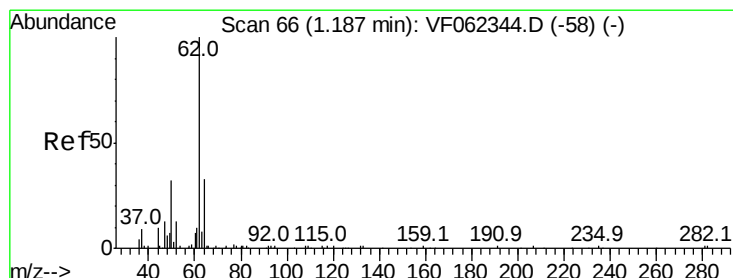
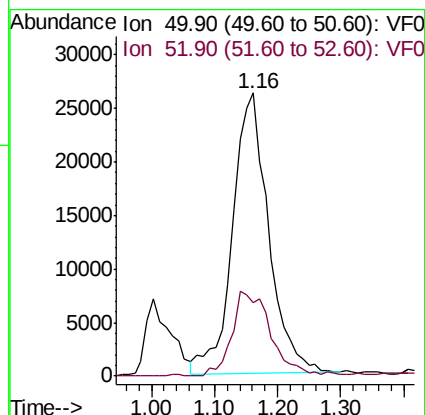
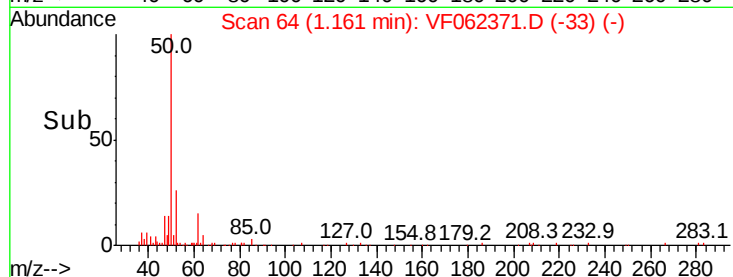
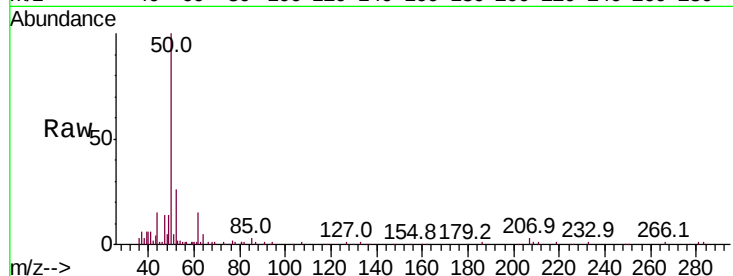
VSTDCCC050

Tot Ion: 50 Resp: 103924

Ion Ratio Lower Upper

50 100

52 26.1 26.1 39.1



#4

Vinyl Chloride

Concen: 43.456 ug/l

RT: 1.19 min Scan# 67

Delta R.T. 0.00 min

Lab File: VF062371.D

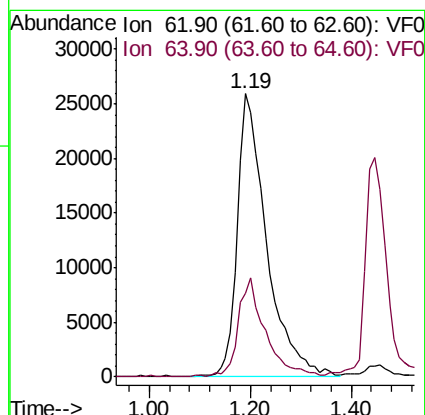
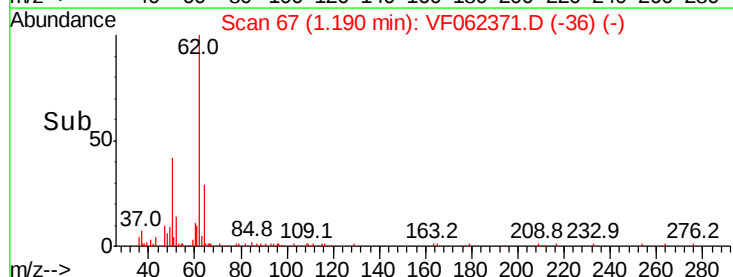
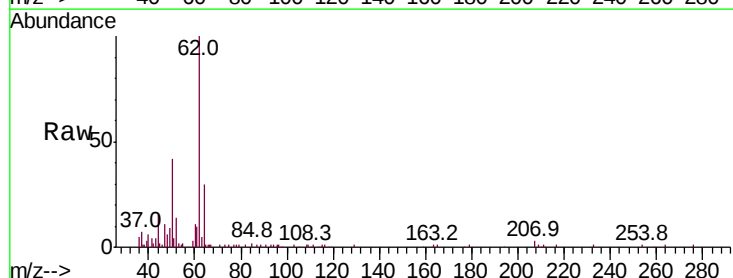
Acq: 8 May 2019 11:02

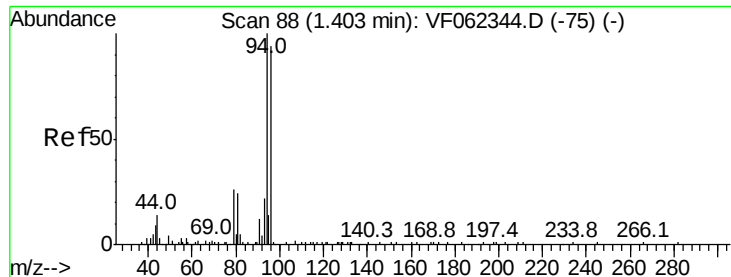
Tgt Ion: 62 Resp: 104034

Ion Ratio Lower Upper

62 100

64 29.6 26.1 39.1





#5

Bromomethane

Concen: 48.113 ug/l

RT: 1.41 min Scan# 89

Delta R.T. 0.00 min

Lab File: VF062371.D

Acq: 8 May 2019 11:02

Instrument :

MSVOA_F

ClientSampleId :

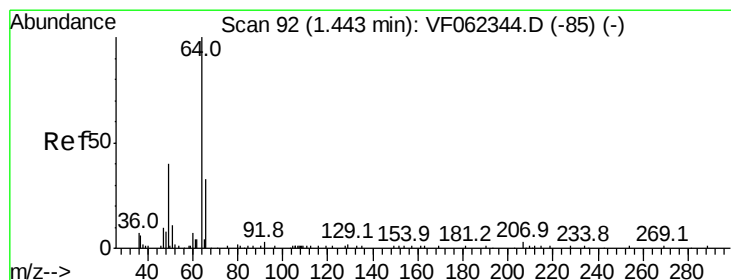
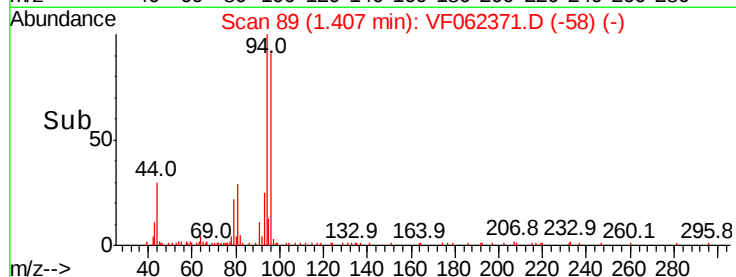
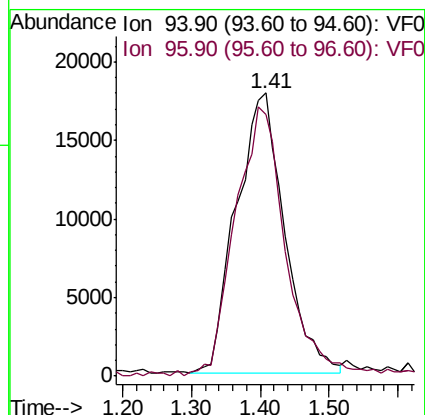
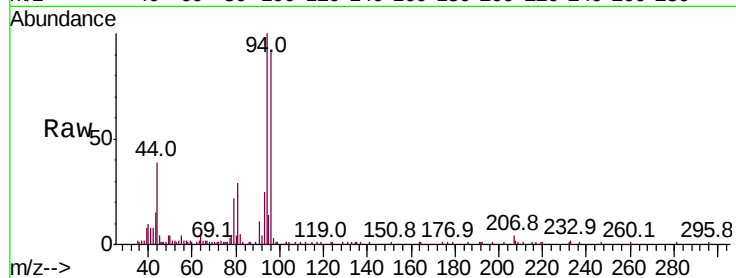
VSTDCCC050

Tot Ion: 94 Resp: 87083

Ion Ratio Lower Upper

94 100

96 91.7 75.4 113.2



#6

Chloroethane

Concen: 47.951 ug/l

RT: 1.45 min Scan# 93

Delta R.T. 0.00 min

Lab File: VF062371.D

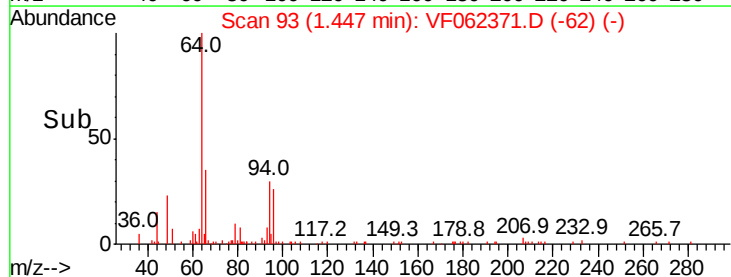
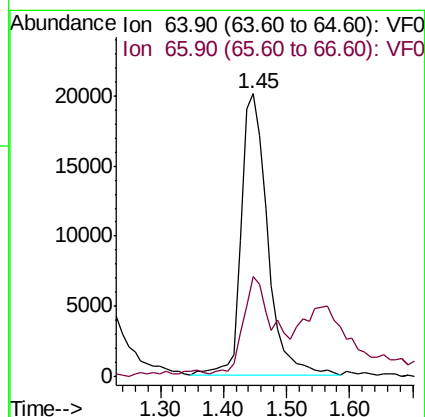
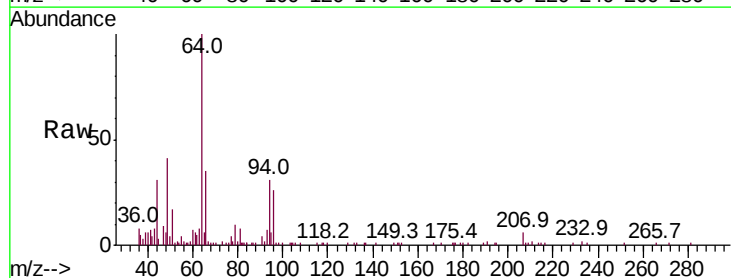
Acq: 8 May 2019 11:02

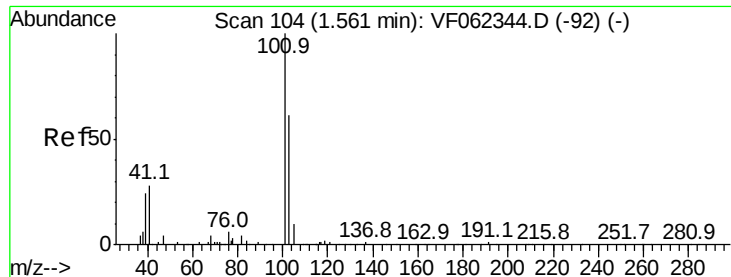
Tgt Ion: 64 Resp: 57715

Ion Ratio Lower Upper

64 100

66 33.8 26.6 39.8



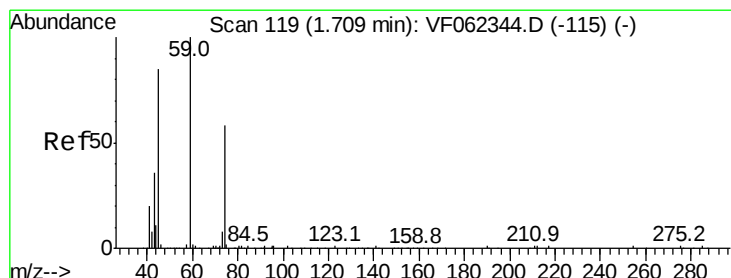
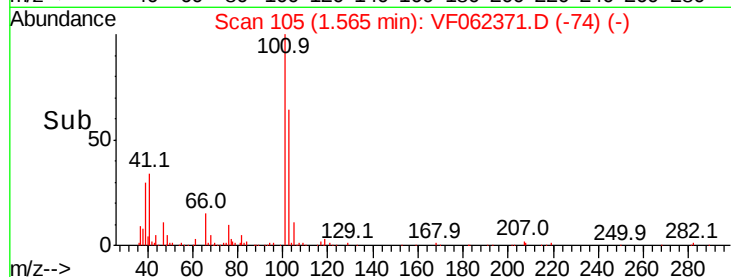
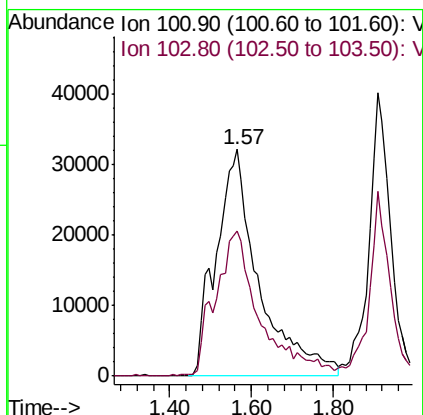
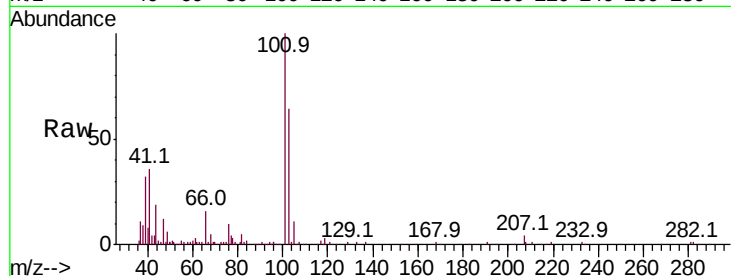


#7

Trichlorofluoromethane
Concen: 47.315 ug/l
RT: 1.57 min Scan# 105
Delta R.T. 0.00 min
Lab File: VF062371.D
Acq: 8 May 2019 11:02

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

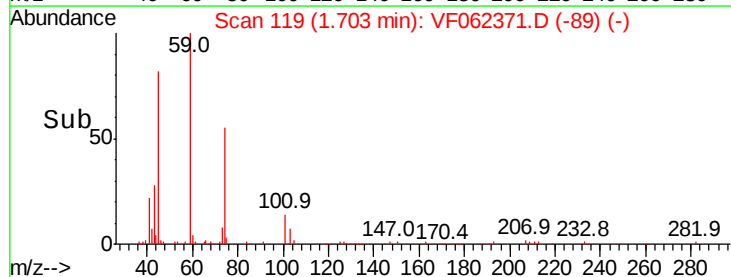
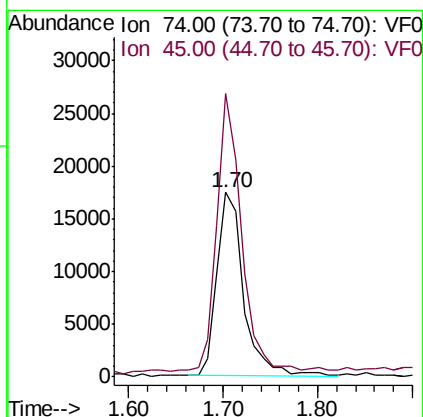
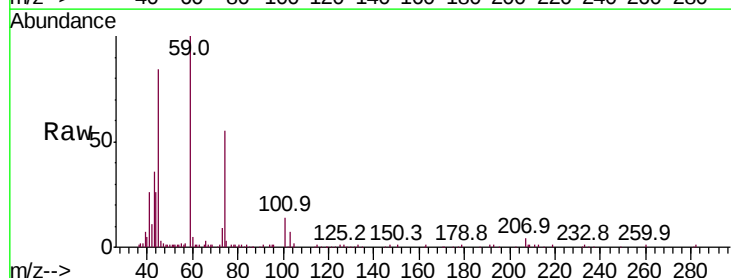
Tot Ion:101 Resp: 235022
Ion Ratio Lower Upper
101 100
103 63.3 48.5 72.7

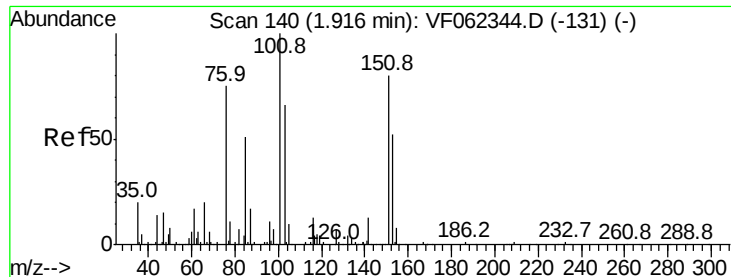


#8

Diethyl Ether
Concen: 45.079 ug/l
RT: 1.70 min Scan# 119
Delta R.T. -0.01 min
Lab File: VF062371.D
Acq: 8 May 2019 11:02

Tgt Ion: 74 Resp: 33881
Ion Ratio Lower Upper
74 100
45 138.7 73.9 221.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.600 ug/l

RT: 1.91 min Scan# 140

Delta R.T. -0.01 min

Lab File: VF062371.D

Acq: 8 May 2019 11:02

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

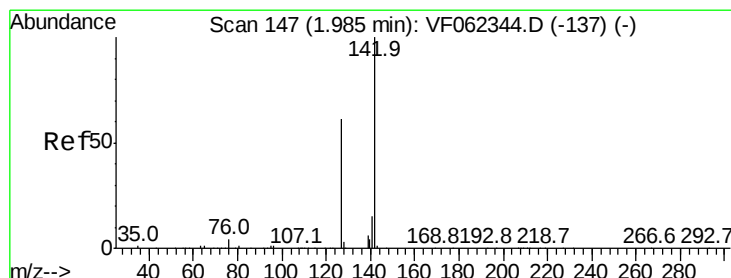
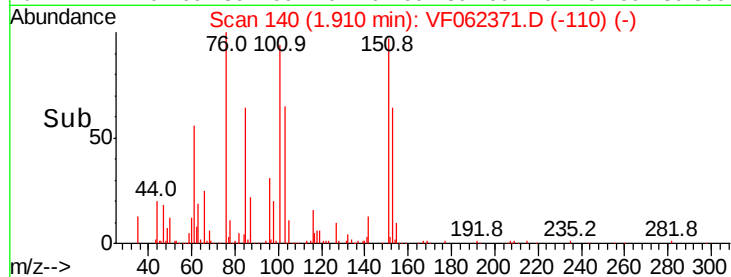
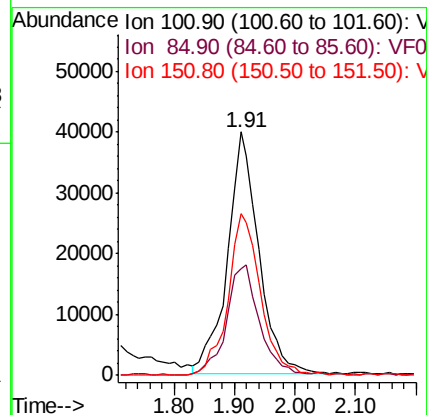
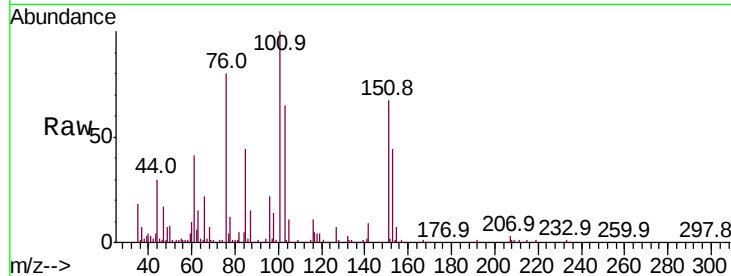
Tot Ion:101 Resp: 143494

Ion Ratio Lower Upper

101 100

85 48.8 39.5 59.3

151 69.3 59.9 89.9



#10

Methyl Iodide

Concen: 47.649 ug/l m

RT: 1.99 min Scan# 148

Delta R.T. 0.00 min

Lab File: VF062371.D

Acq: 8 May 2019 11:02

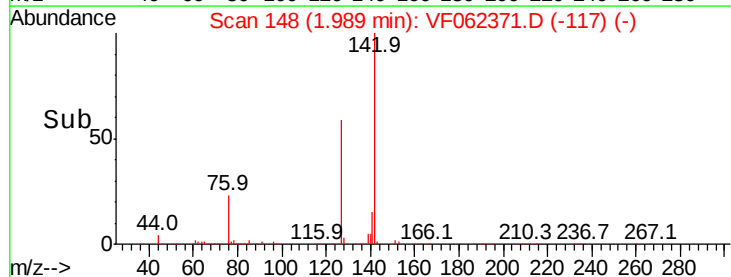
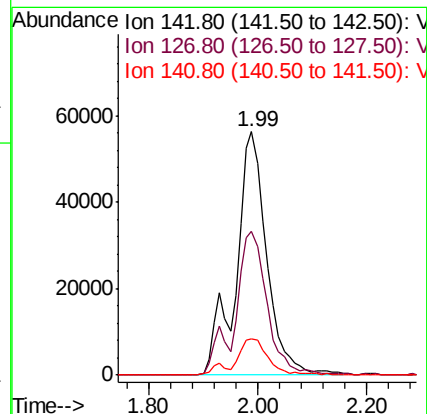
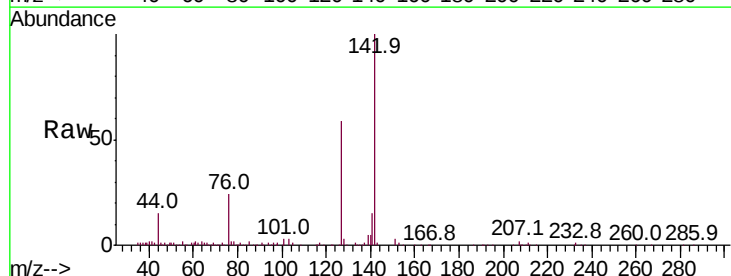
Tgt Ion:142 Resp: 222676

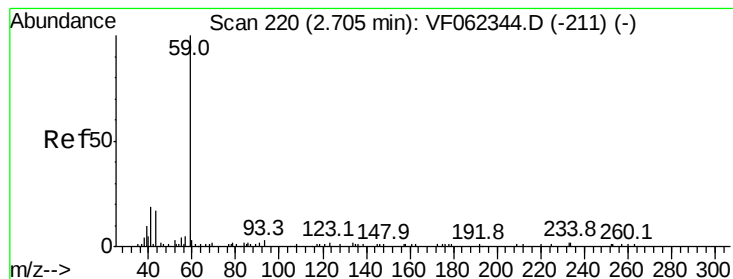
Ion Ratio Lower Upper

142 100

127 51.9 48.4 72.6

141 13.5 12.2 18.4





#11

Tert butyl alcohol

Concen: 225.932 ug/l

RT: 2.70 min Scan# 220

Delta R.T. -0.01 min

Lab File: VF062371.D

Acq: 8 May 2019 11:02

Instrument :

MSVOA_F

ClientSampleId :

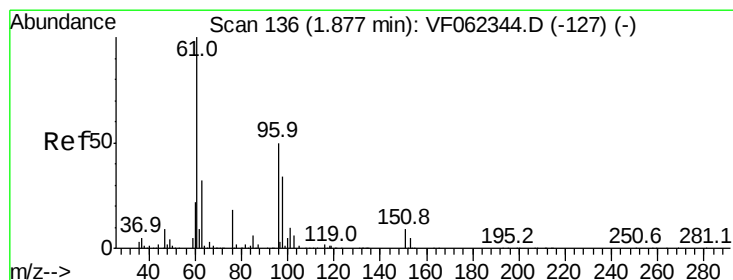
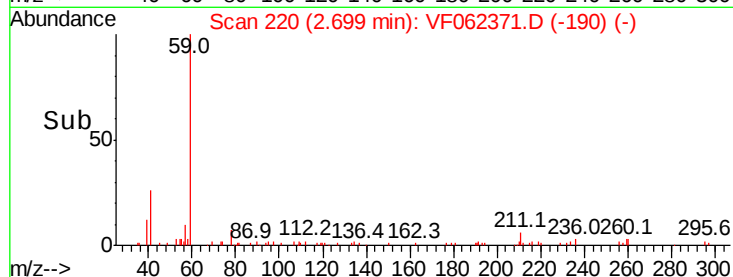
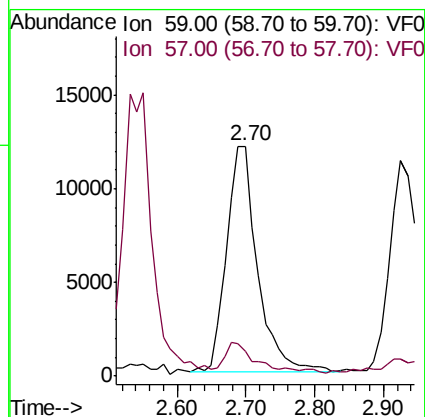
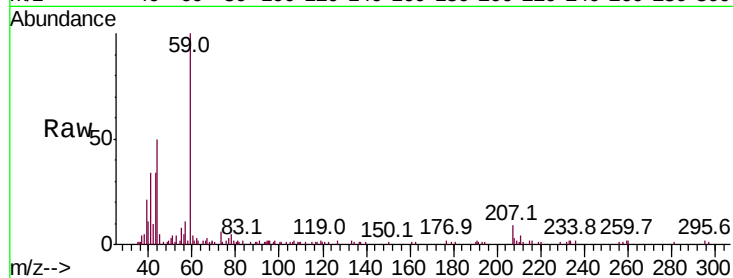
VSTDCCC050

Tot Ion: 59 Resp: 37945

Ion Ratio Lower Upper

59 100

57 11.3 9.3 13.9



#12

1,1-Dichloroethene

Concen: 45.553 ug/l

RT: 1.87 min Scan# 136

Delta R.T. -0.01 min

Lab File: VF062371.D

Acq: 8 May 2019 11:02

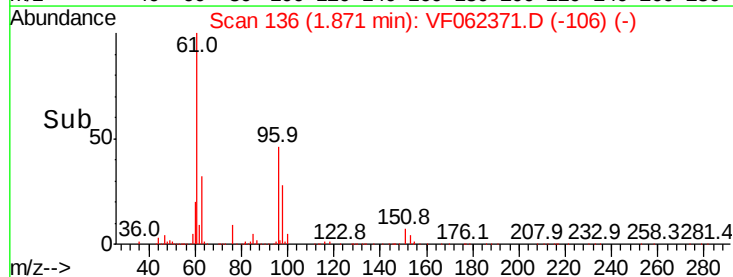
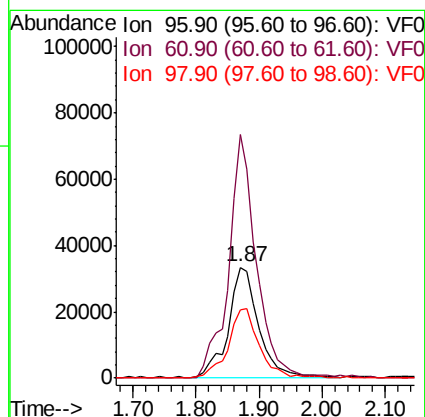
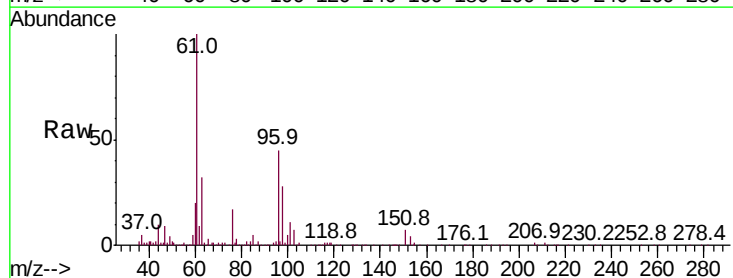
Tgt Ion: 96 Resp: 109821

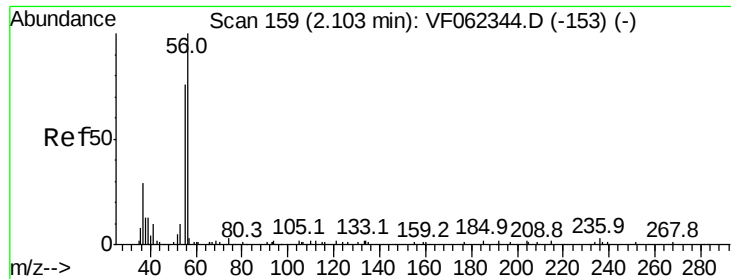
Ion Ratio Lower Upper

96 100

61 221.2 163.2 244.8

98 61.6 55.2 82.8





#13

Acrolein

Concen: 241.571 ug/l

RT: 2.09 min Scan# 158

Delta R.T. -0.02 min

Lab File: VF062371.D

Acq: 8 May 2019 11:02

Instrument :

MSVOA_F

ClientSampleId :

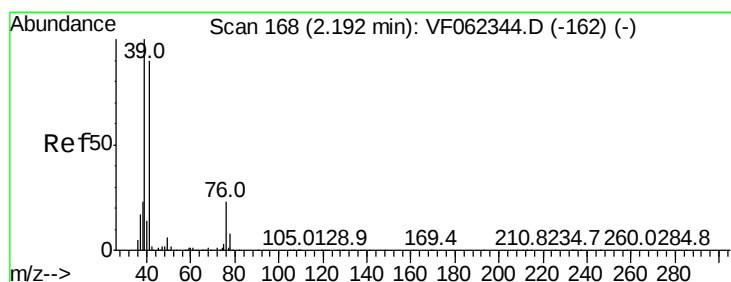
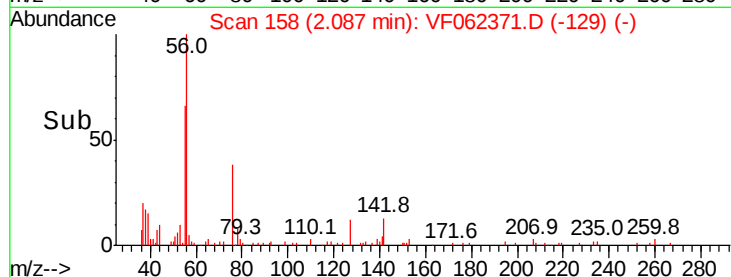
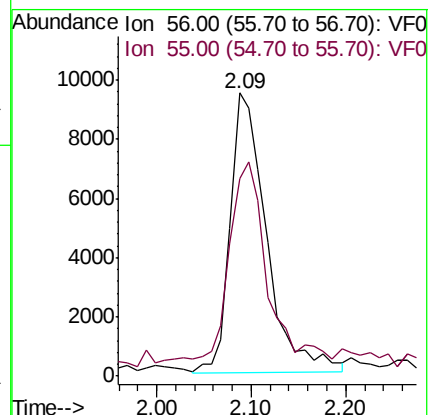
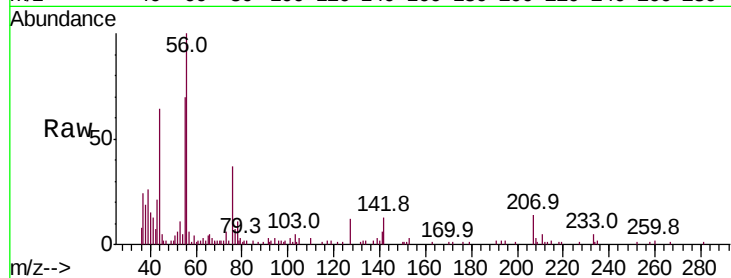
VSTDCCC050

Tot Ion: 56 Resp: 25152

Ion Ratio Lower Upper

56 100

55 76.5 58.4 87.6



#14

Allyl chloride

Concen: 52.204 ug/l

RT: 2.20 min Scan# 169

Delta R.T. 0.00 min

Lab File: VF062371.D

Acq: 8 May 2019 11:02

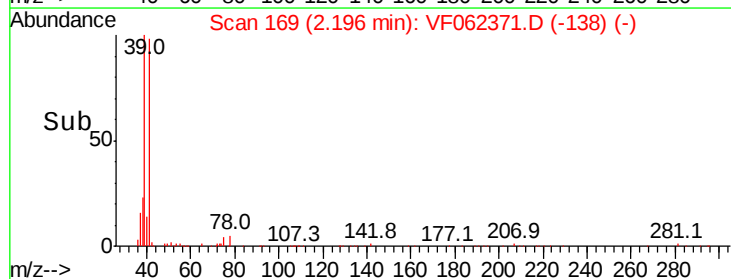
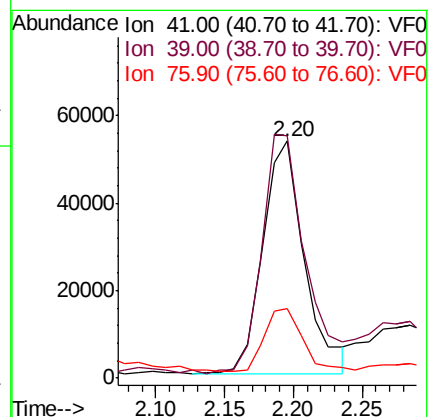
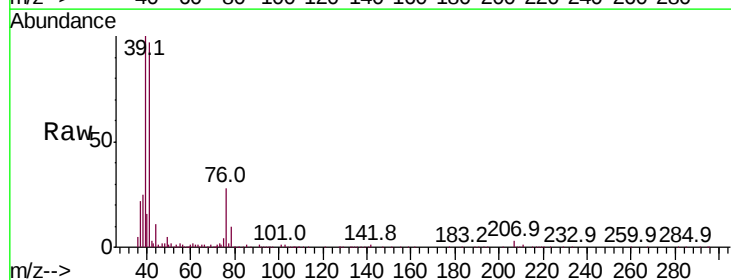
Tgt Ion: 41 Resp: 111175

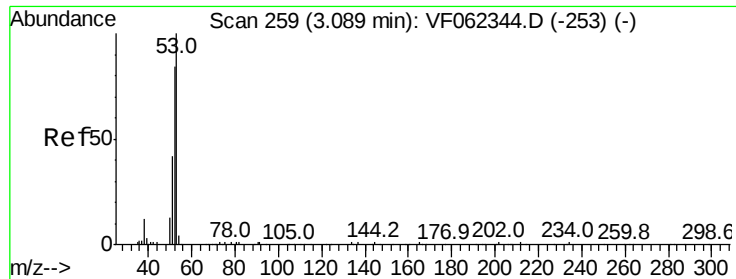
Ion Ratio Lower Upper

41 100

39 109.8 90.8 136.2

76 26.3 22.2 33.4





#15

Acrylonitrile

Concen: 265.466 ug/l

RT: 3.07 min Scan# 258

Delta R.T. -0.02 min

Lab File: VF062371.D

Acq: 8 May 2019 11:02

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

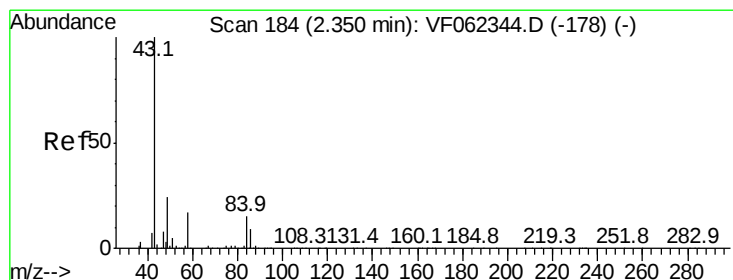
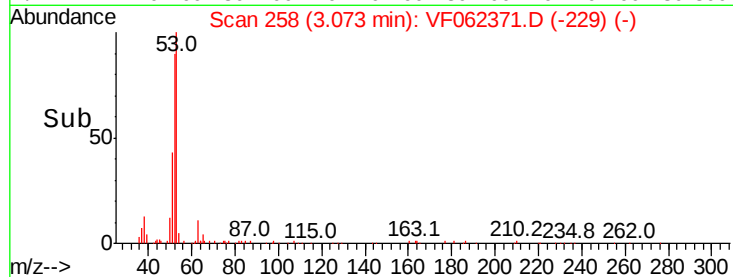
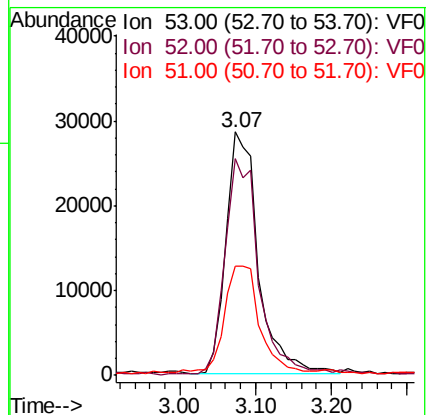
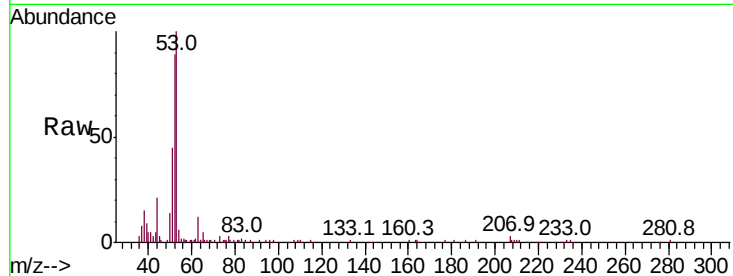
Tot Ion: 53 Resp: 84455

Ion Ratio Lower Upper

53 100

52 92.6 77.2 115.8

51 49.7 40.6 61.0



#16

Acetone

Concen: 315.587 ug/l

RT: 2.34 min Scan# 184

Delta R.T. -0.01 min

Lab File: VF062371.D

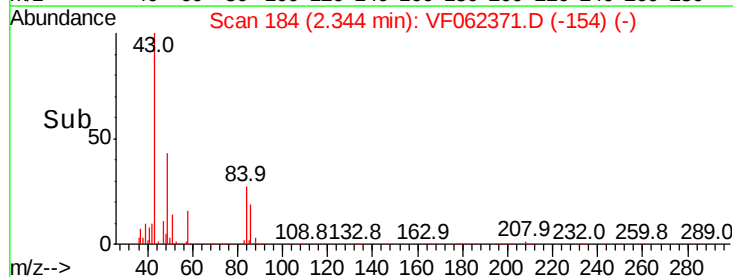
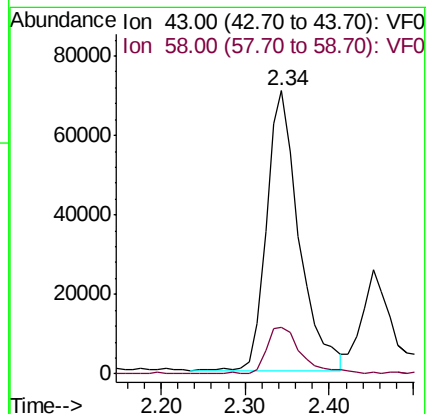
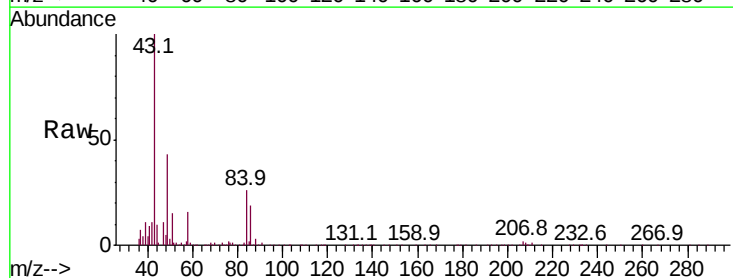
Acq: 8 May 2019 11:02

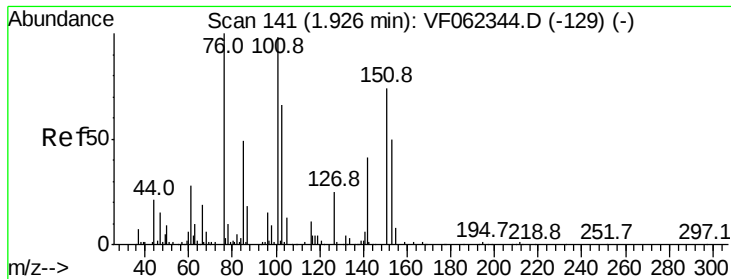
Tgt Ion: 43 Resp: 189712

Ion Ratio Lower Upper

43 100

58 16.2 13.1 19.7

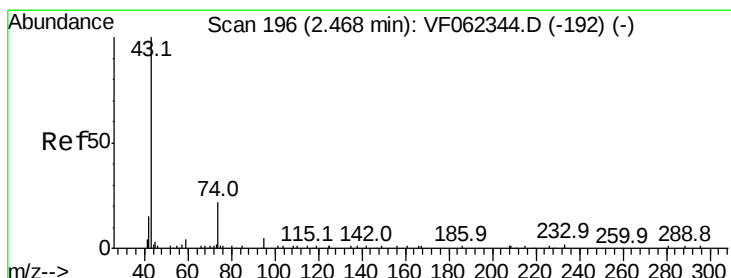
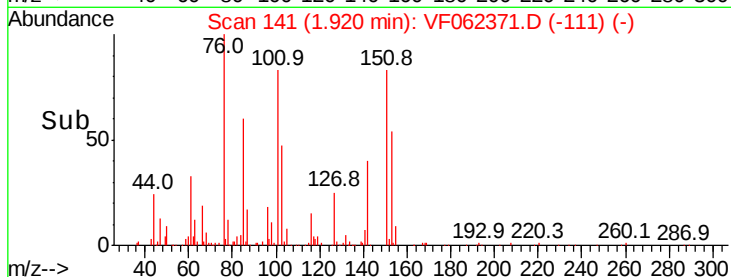
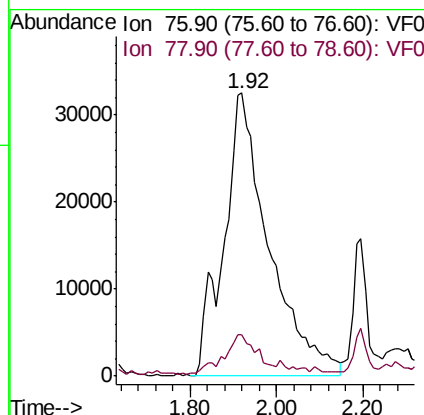
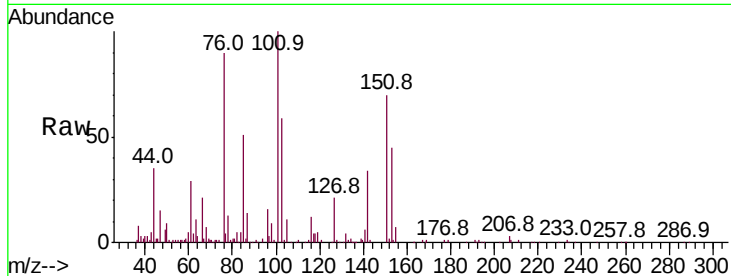




#17
Carbon Disulfide
Concen: 45.235 ug/l
RT: 1.92 min Scan# 141
Delta R.T. -0.01 min
Lab File: VF062371.D
Acq: 8 May 2019 11:02

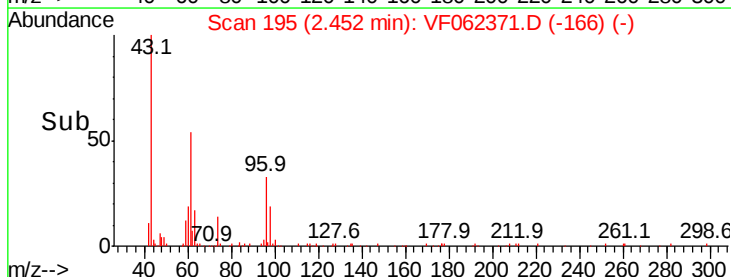
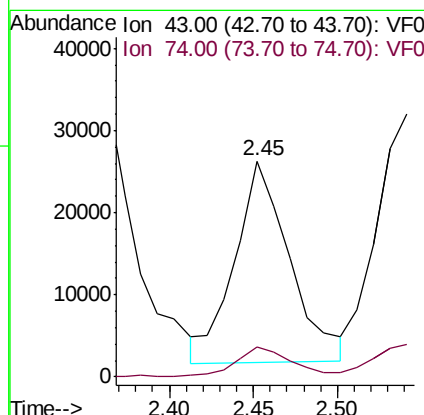
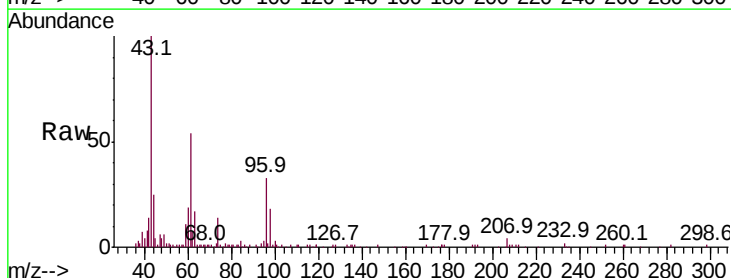
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

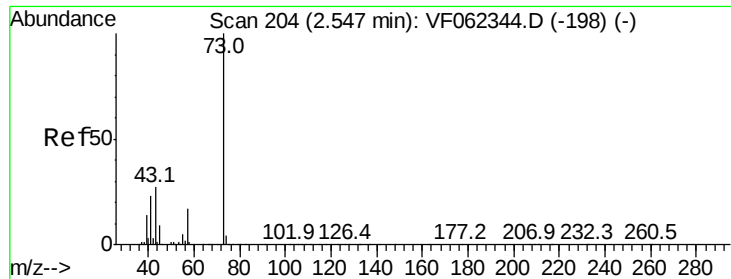
Tot Ion: 76 Resp: 237784
Ion Ratio Lower Upper
76 100
78 13.9 9.0 13.4#



#18
Methyl Acetate
Concen: 50.767 ug/l
RT: 2.45 min Scan# 195
Delta R.T. -0.02 min
Lab File: VF062371.D
Acq: 8 May 2019 11:02

Tgt Ion: 43 Resp: 55602
Ion Ratio Lower Upper
43 100
74 14.9 15.0 22.4#

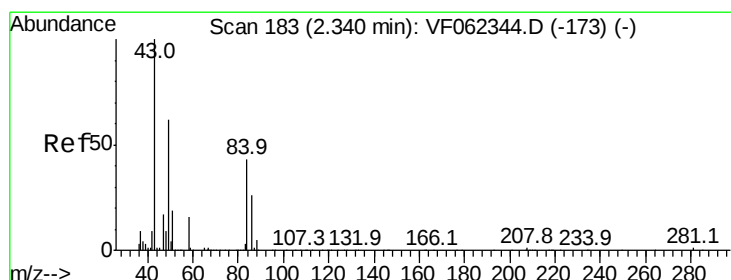
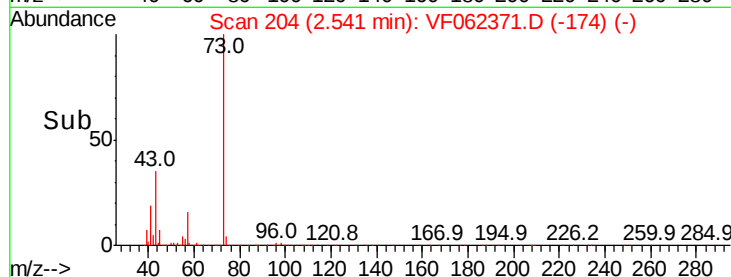
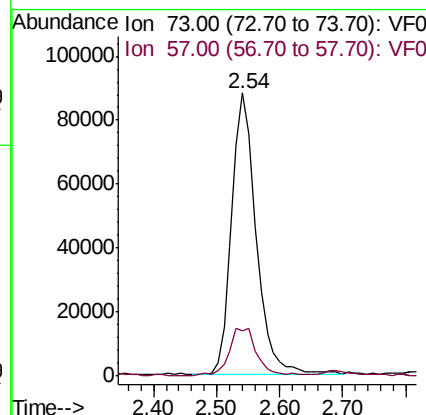
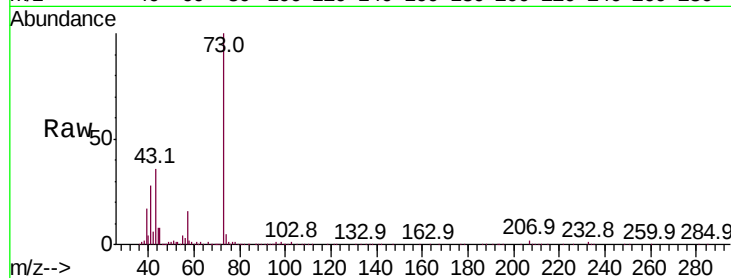




#19
Methyl tert-butyl Ether
Concen: 47.764 ug/l
RT: 2.54 min Scan# 204
Delta R.T. -0.01 min
Lab File: VF062371.D
Acq: 8 May 2019 11:02

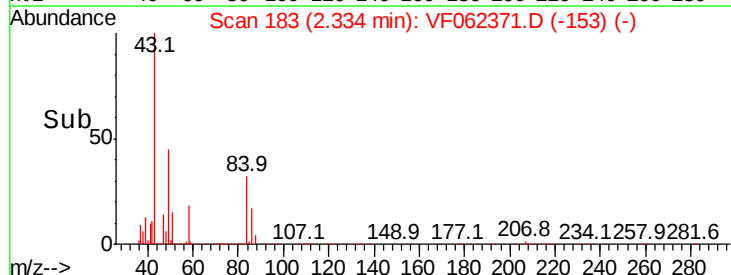
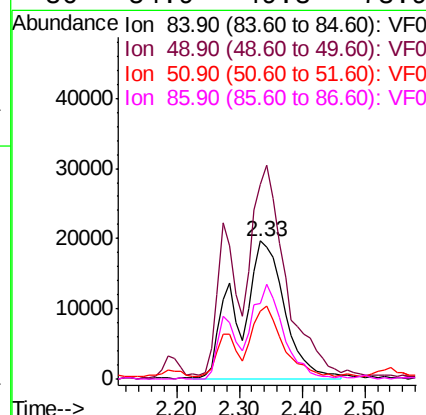
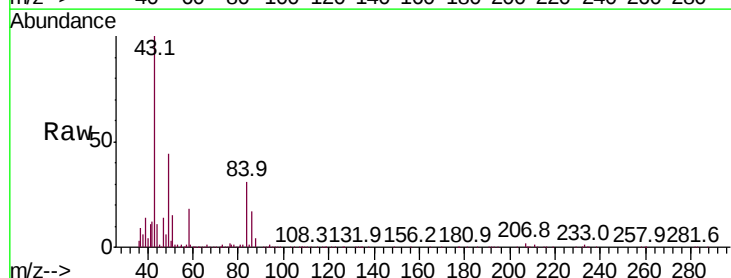
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

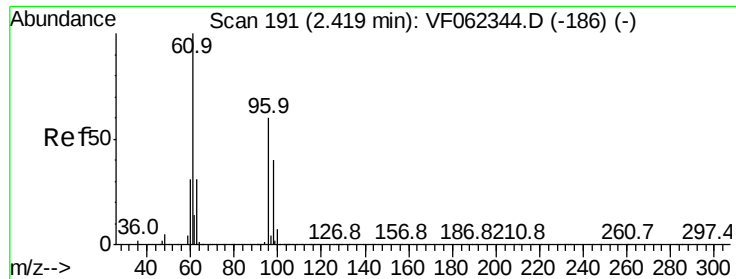
Tot Ion: 73 Resp: 237700
Ion Ratio Lower Upper
73 100
57 15.7 13.7 20.5



#20
Methylene Chloride
Concen: 46.291 ug/l m
RT: 2.33 min Scan# 183
Delta R.T. -0.01 min
Lab File: VF062371.D
Acq: 8 May 2019 11:02

Tgt Ion: 84 Resp: 100680
Ion Ratio Lower Upper
84 100
49 141.3 117.5 176.3
51 49.3 37.0 55.4
86 54.9 49.3 73.9





#21

trans-1,2-Dichloroethene

Concen: 45.628 ug/l

RT: 2.41 min Scan# 191

Delta R.T. -0.01 min

Lab File: VF062371.D

Acq: 8 May 2019 11:02

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

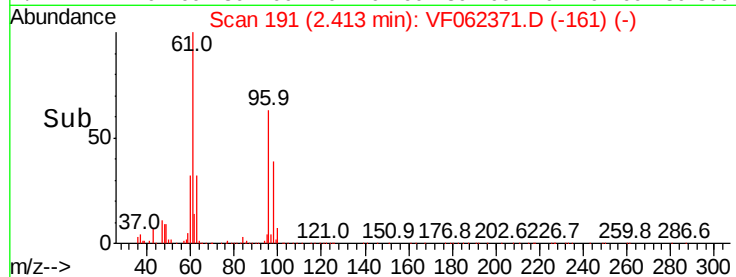
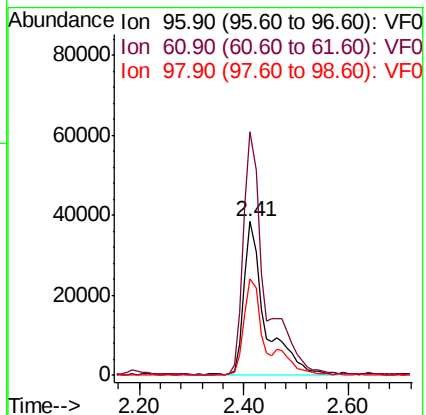
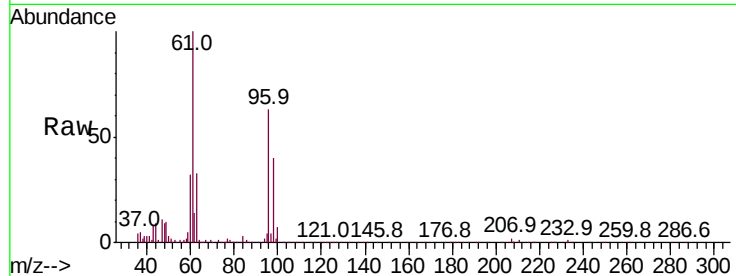
Tot Ion: 96 Resp: 104804

Ion Ratio Lower Upper

96 100

61 157.9 133.2 199.8

98 62.6 53.1 79.7



#22

Diisopropyl ether

Concen: 48.982 ug/l

RT: 2.93 min Scan# 243

Delta R.T. -0.02 min

Lab File: VF062371.D

Acq: 8 May 2019 11:02

Tgt Ion: 45 Resp: 326017

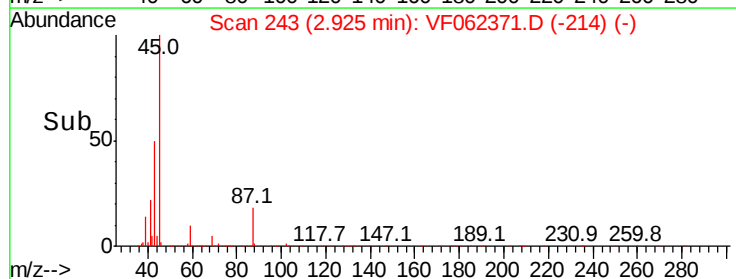
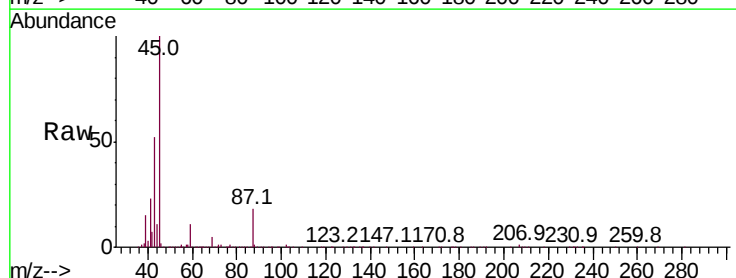
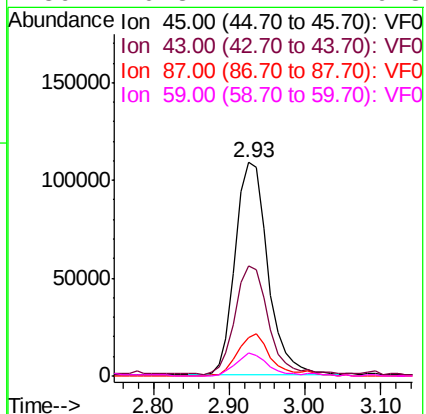
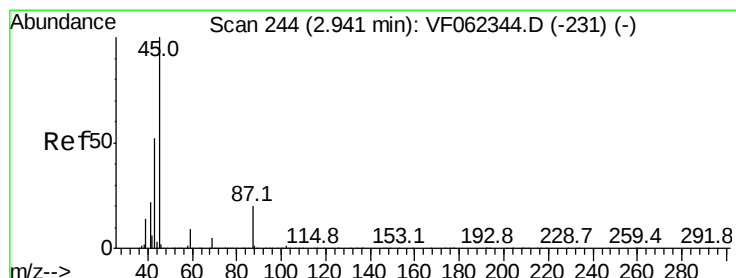
Ion Ratio Lower Upper

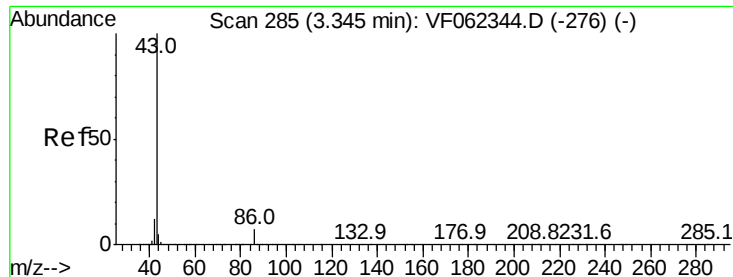
45 100

43 50.8 41.4 62.0

87 18.2 15.8 23.6

59 10.3 7.2 10.8





#23

Vinyl Acetate

Concen: 259.111 ug/l

RT: 3.33 min Scan# 284

Delta R.T. -0.02 min

Lab File: VF062371.D

Acq: 8 May 2019 11:02

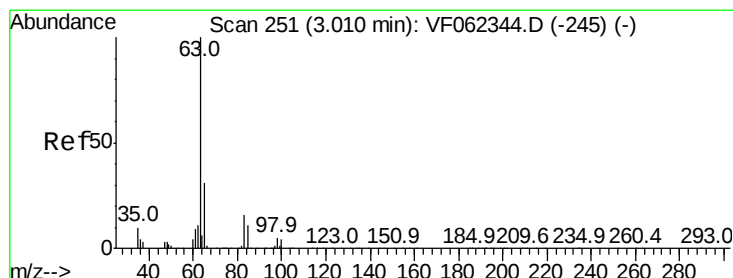
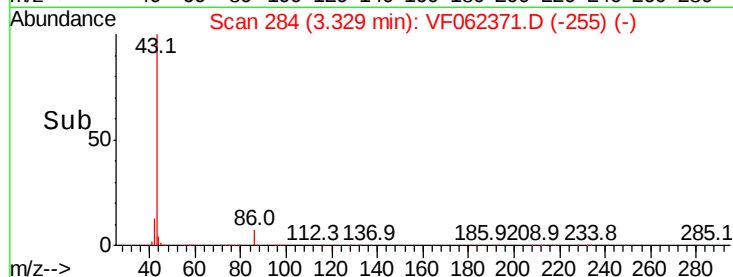
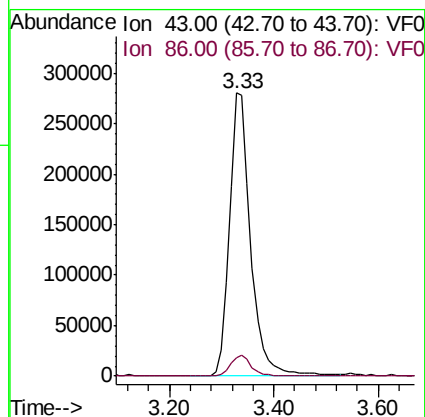
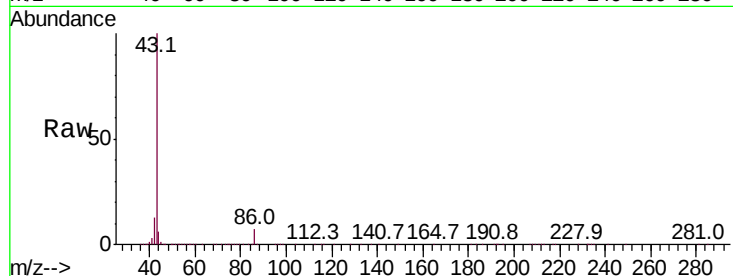
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 768646

Ion Ratio Lower Upper

43 100

86 6.6 5.7 8.5



#24

1,1-Dichloroethane

Concen: 51.168 ug/l

RT: 3.00 min Scan# 251

Delta R.T. -0.01 min

Lab File: VF062371.D

Acq: 8 May 2019 11:02

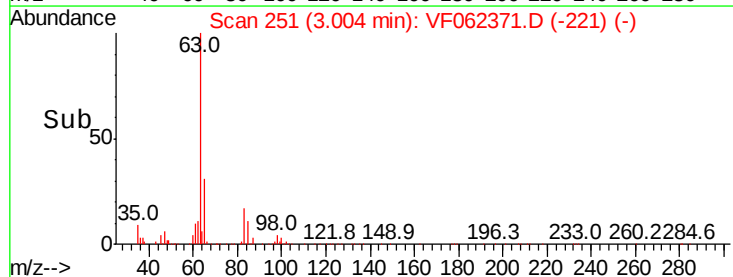
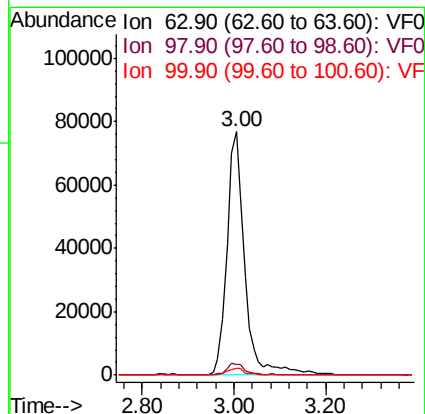
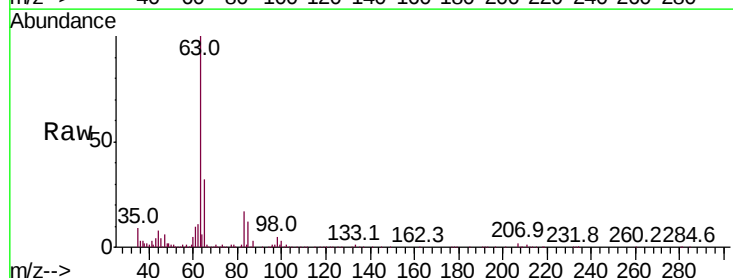
Tgt Ion: 63 Resp: 205835

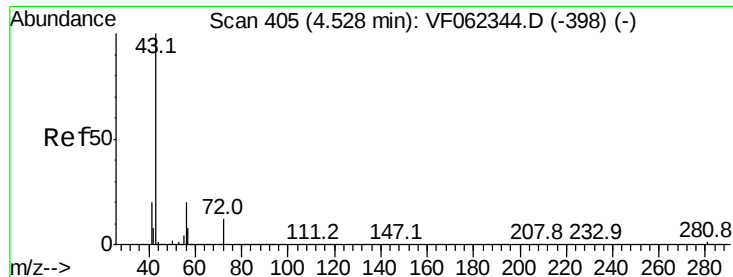
Ion Ratio Lower Upper

63 100

98 4.4 2.6 8.0

100 2.9 1.8 5.4





#25

2-Butanone

Concen: 282.346 ug/l

RT: 4.51 min Scan# 404

Delta R.T. -0.02 min

Lab File: VF062371.D

Acq: 8 May 2019 11:02

Instrument :

MSVOA_F

ClientSampleId :

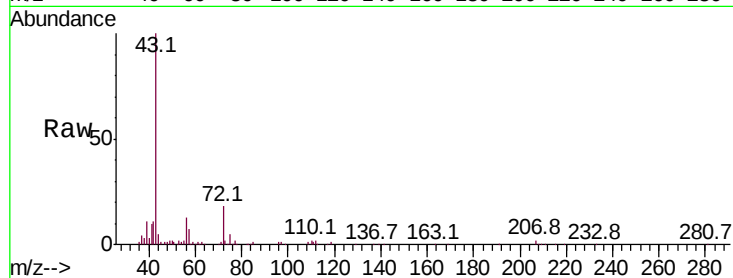
VSTDCCC050

Tot Ion: 43 Resp: 213236

Ion Ratio Lower Upper

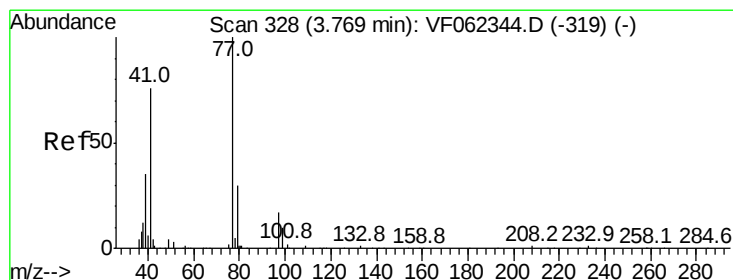
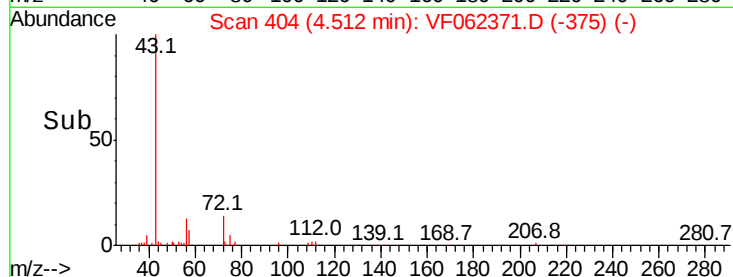
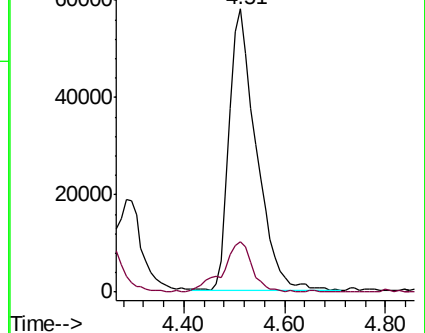
43 100

72 17.4 14.2 21.4



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#26

2,2-Dichloropropane

Concen: 50.689 ug/l

RT: 3.76 min Scan# 328

Delta R.T. -0.01 min

Lab File: VF062371.D

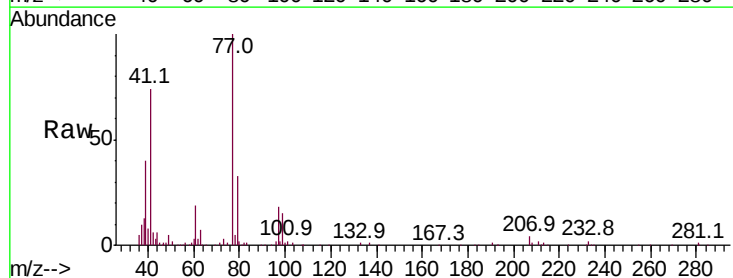
Acq: 8 May 2019 11:02

Tgt Ion: 77 Resp: 113870

Ion Ratio Lower Upper

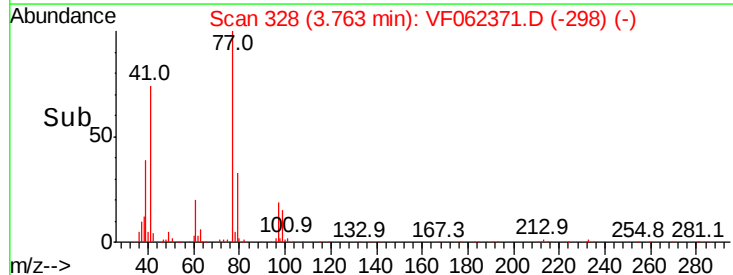
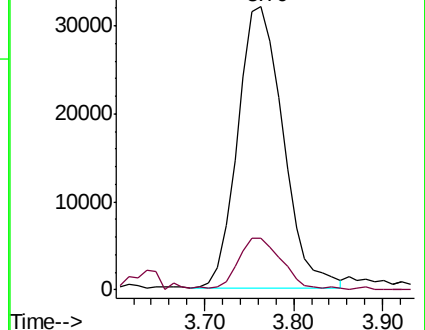
77 100

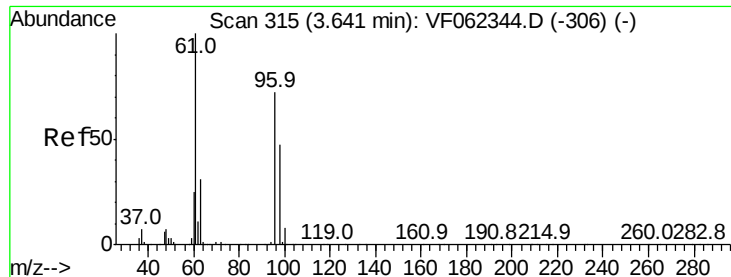
97 17.8 9.5 28.5



Abundance Ion 76.90 (76.60 to 77.60): VF0

Ion 96.90 (96.60 to 97.60): VF0





#27

cis-1,2-Dichloroethene

Concen: 48.011 ug/l

RT: 3.64 min Scan# 315

Delta R.T. -0.01 min

Lab File: VF062371.D

Acq: 8 May 2019 11:02

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

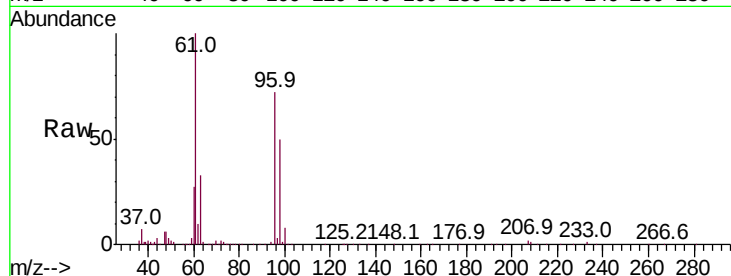
Tot Ion: 96 Resp: 137848

Ion Ratio Lower Upper

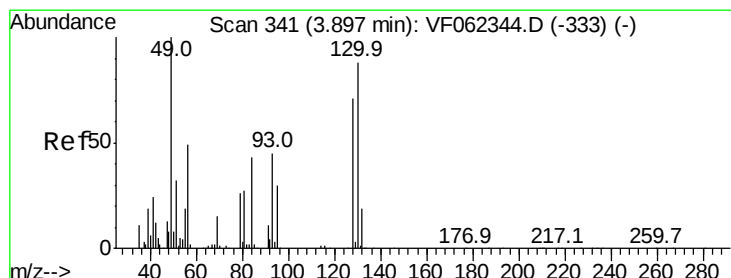
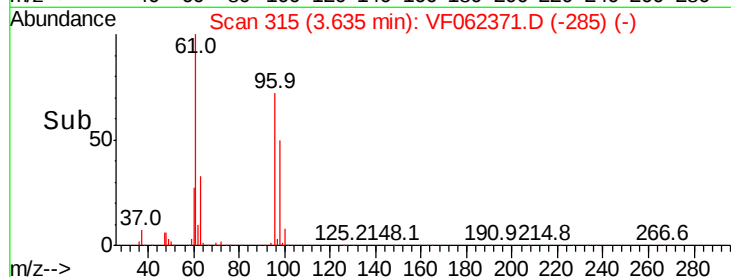
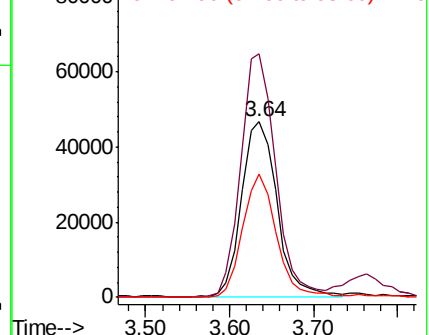
96 100

61 137.0 0.0 263.0

98 66.8 0.0 130.8



Abundance Ion 95.90 (95.60 to 96.60): VF0
Ion 60.90 (60.60 to 61.60): VF0
Ion 97.90 (97.60 to 98.60): VF0



#28

Bromochloromethane

Concen: 55.133 ug/l

RT: 3.89 min Scan# 341

Delta R.T. -0.01 min

Lab File: VF062371.D

Acq: 8 May 2019 11:02

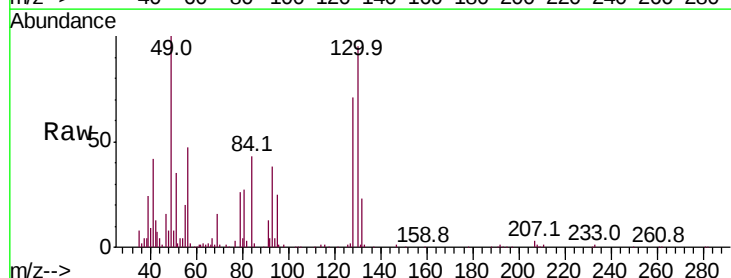
Tgt Ion: 49 Resp: 100583

Ion Ratio Lower Upper

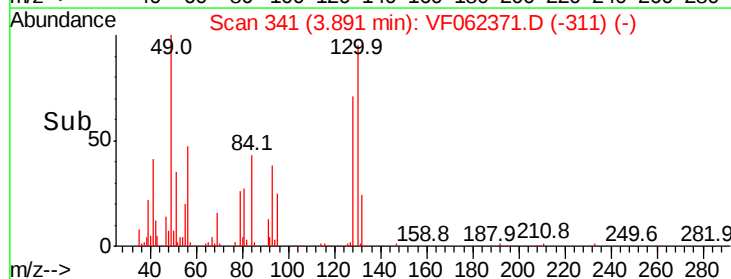
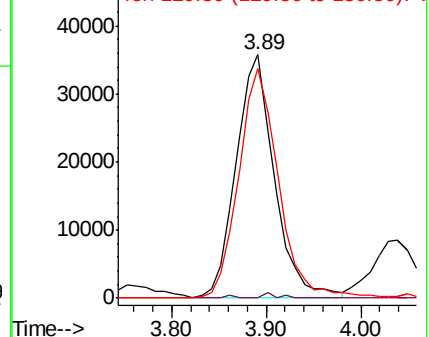
49 100

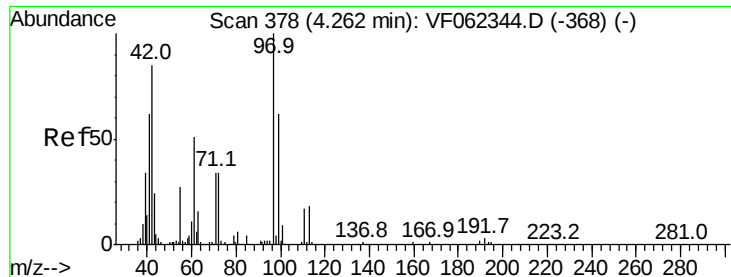
129 0.7 0.0 2.2

130 98.1 79.4 119.0



Abundance Ion 48.90 (48.60 to 49.60): VF0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

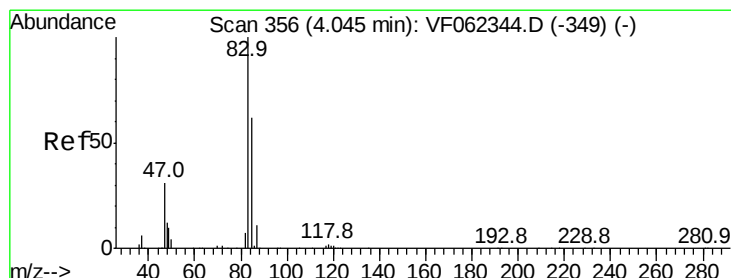
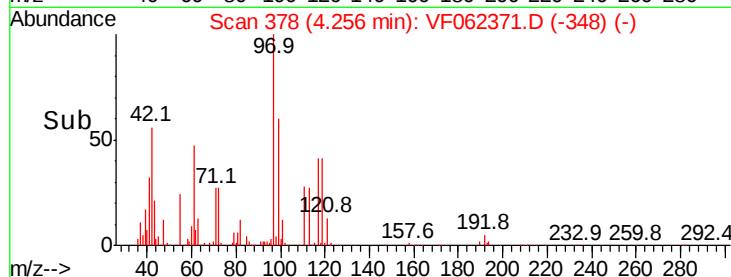
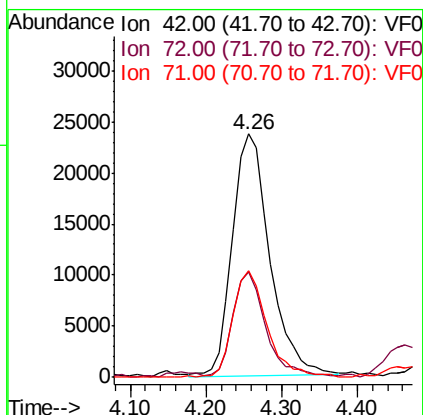
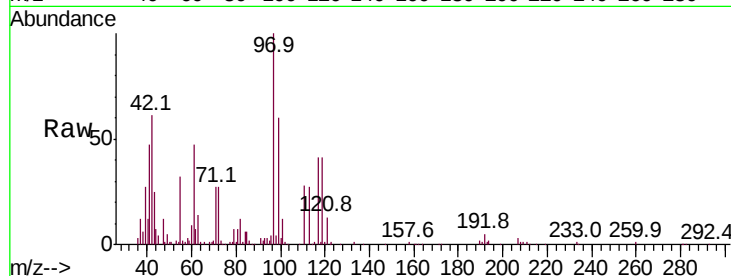




#29
Tetrahydrofuran
Concen: 233.936 ug/l
RT: 4.26 min Scan# 378
Delta R.T. -0.01 min
Lab File: VF062371.D
Acq: 8 May 2019 11:02

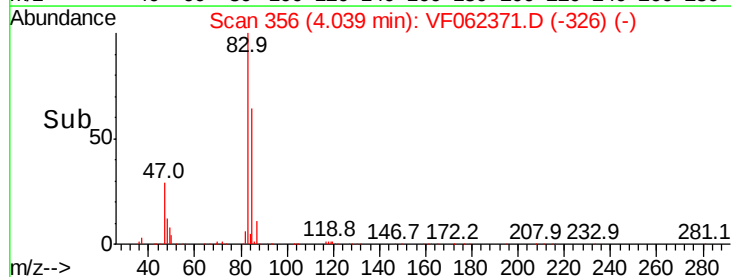
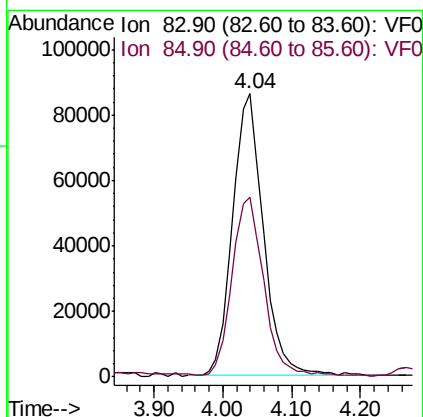
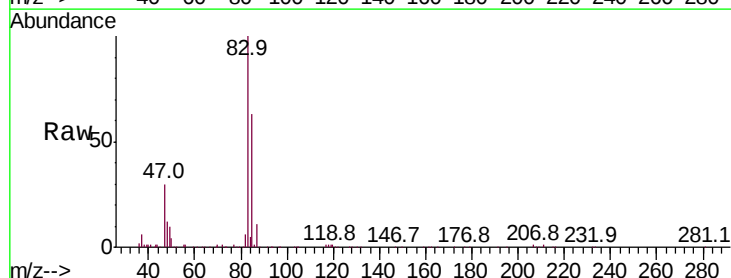
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

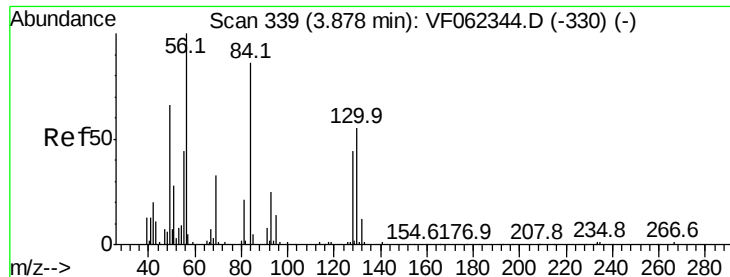
Tot Ion: 42 Resp: 81199
Ion Ratio Lower Upper
42 100
72 37.4 31.4 47.0
71 40.1 31.7 47.5



#30
Chloroform
Concen: 48.953 ug/l
RT: 4.04 min Scan# 356
Delta R.T. -0.01 min
Lab File: VF062371.D
Acq: 8 May 2019 11:02

Tgt Ion: 83 Resp: 266042
Ion Ratio Lower Upper
83 100
85 63.1 49.6 74.4

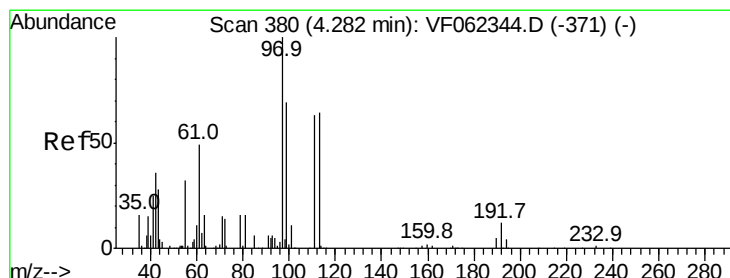
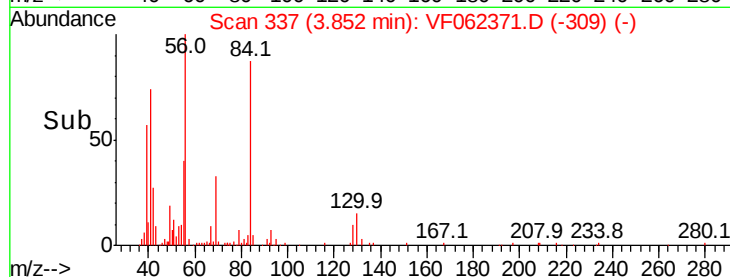
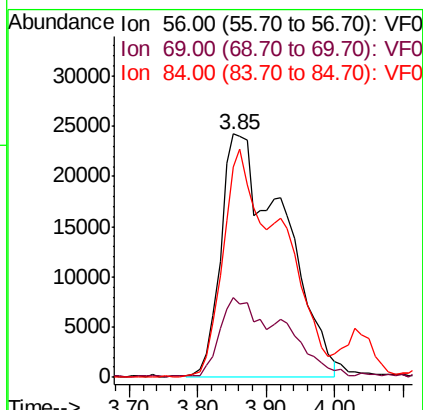
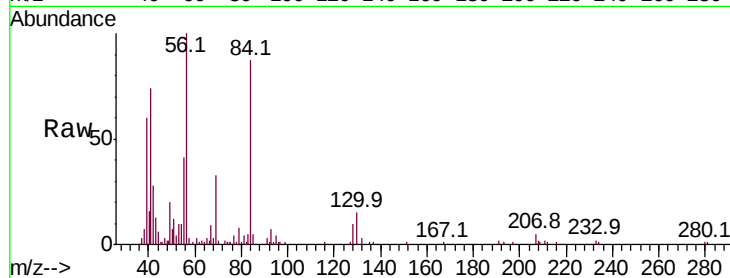




#31
Cyclohexane
Concen: 48.012 ug/l m
RT: 3.85 min Scan# 337
Delta R.T. -0.03 min
Lab File: VF062371.D
Acq: 8 May 2019 11:02

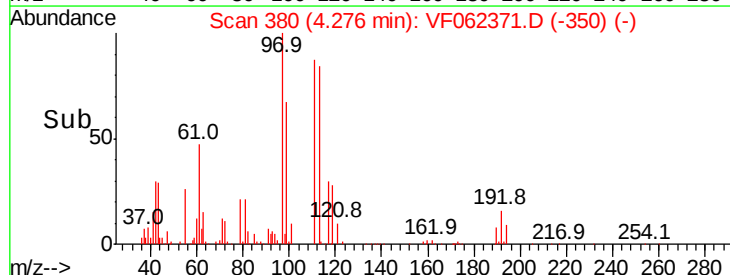
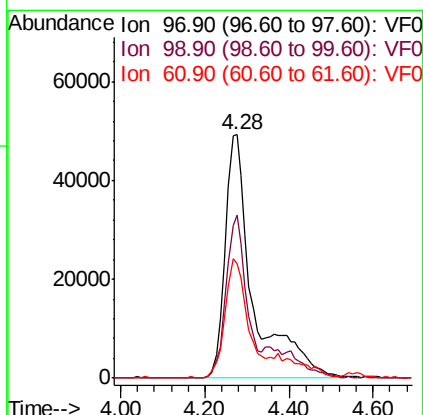
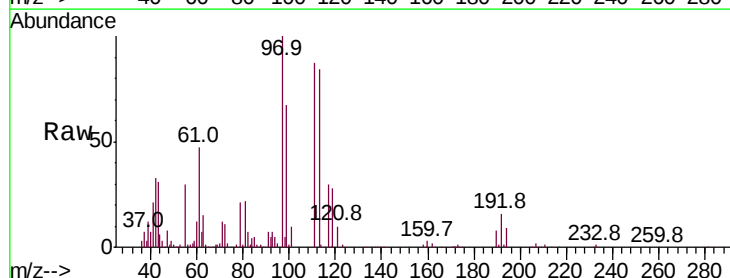
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

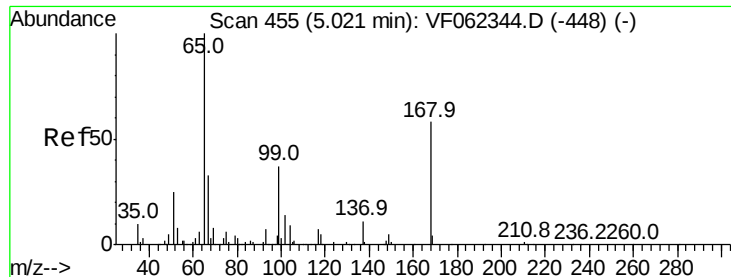
Tot Ion: 56 Resp: 154160
Ion Ratio Lower Upper
56 100
69 32.6 26.4 39.6
84 86.6 69.0 103.6



#32
1,1,1-Trichloroethane
Concen: 49.555 ug/l m
RT: 4.28 min Scan# 380
Delta R.T. -0.01 min
Lab File: VF062371.D
Acq: 8 May 2019 11:02

Tgt Ion: 97 Resp: 230821
Ion Ratio Lower Upper
97 100
99 48.9 52.6 78.8#
61 38.9 39.4 59.0#





#33

1,2-Dichloroethane-d4

Concen: 51.478 ug/l

RT: 5.02 min Scan# 455

Delta R.T. -0.01 min

Lab File: VF062371.D

Acq: 8 May 2019 11:02

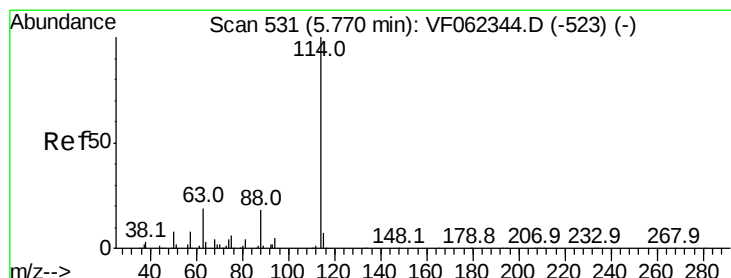
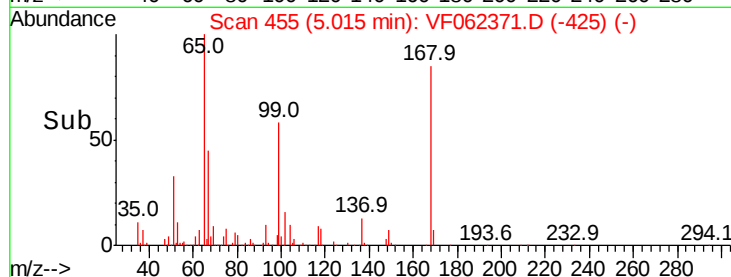
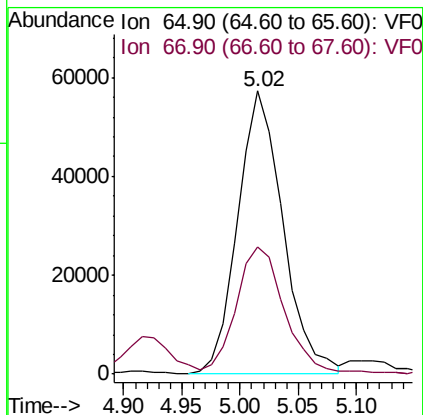
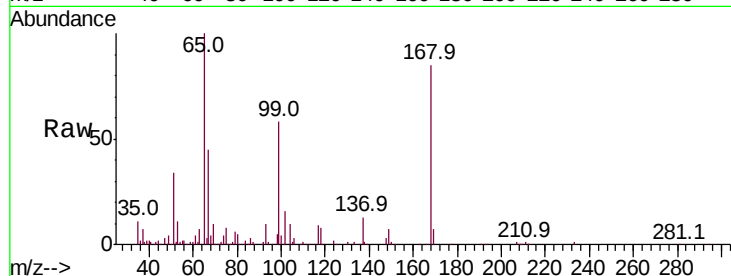
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 65 Resp: 152973

Ion Ratio Lower Upper

65 100

67 47.9 0.0 85.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.76 min Scan# 531

Delta R.T. -0.01 min

Lab File: VF062371.D

Acq: 8 May 2019 11:02

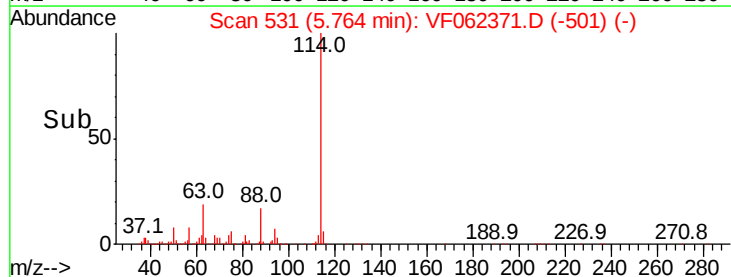
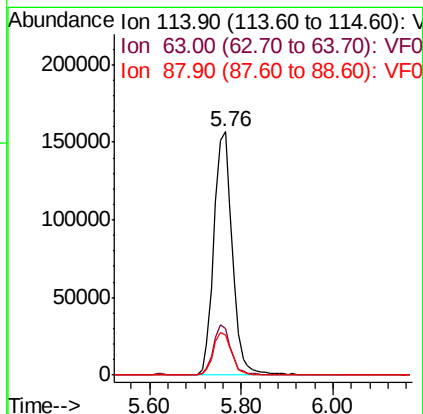
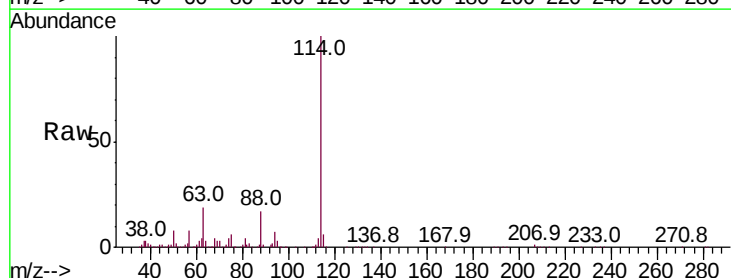
Tgt Ion: 114 Resp: 433068

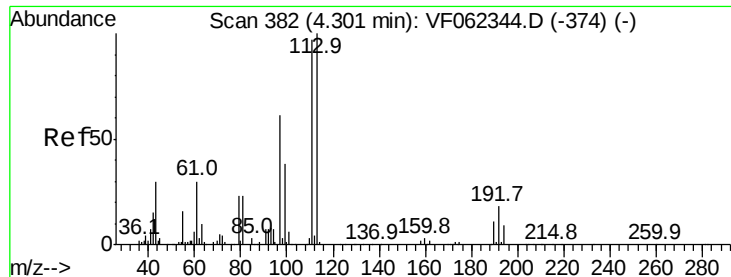
Ion Ratio Lower Upper

114 100

63 19.0 0.0 37.4

88 16.5 0.0 36.4





#35

Dibromofluoromethane

Concen: 52.118 ug/l

RT: 4.30 min Scan# 382

Delta R.T. -0.01 min

Lab File: VF062371.D

Acq: 8 May 2019 11:02

Instrument :

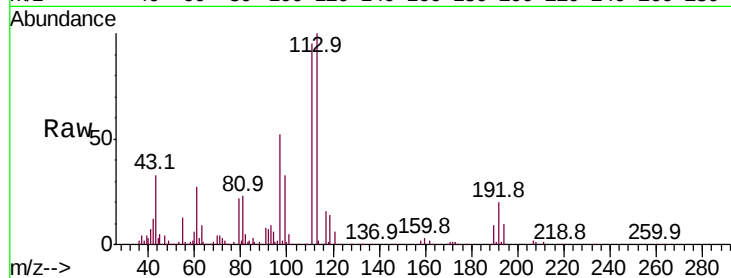
MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:113 Resp: 179817

Ion	Ratio	Lower	Upper
113	100		
111	99.9	79.4	119.0
192	20.4	16.0	24.0

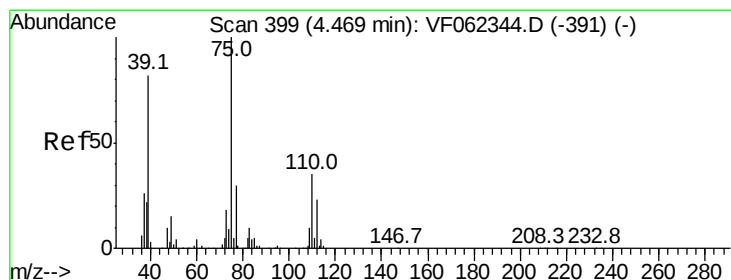
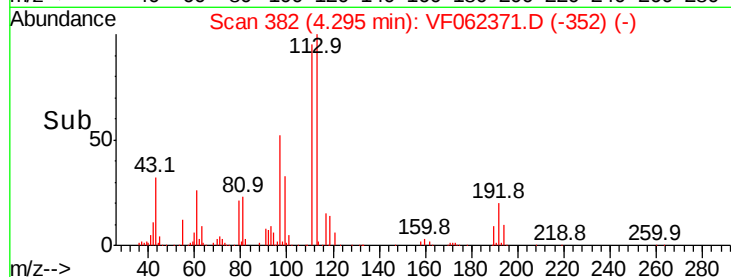
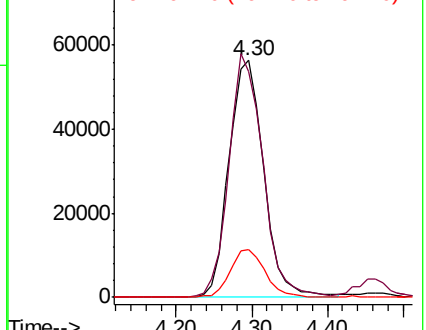


Abundance

Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 47.460 ug/l

RT: 4.46 min Scan# 399

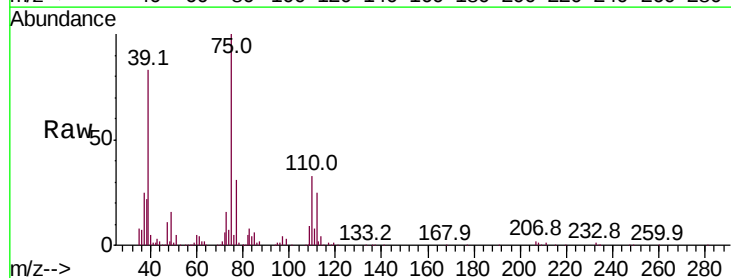
Delta R.T. -0.01 min

Lab File: VF062371.D

Acq: 8 May 2019 11:02

Tgt Ion: 75 Resp: 176560

Ion	Ratio	Lower	Upper
75	100		
110	34.7	17.2	51.5
77	30.6	25.2	37.8

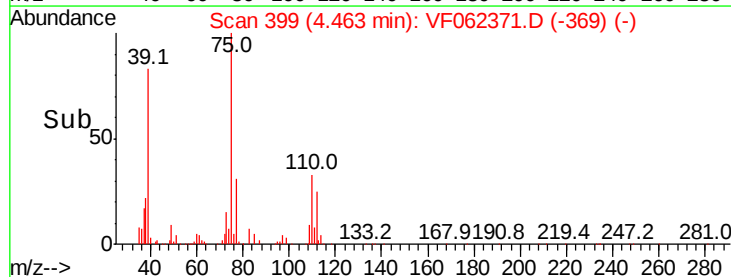
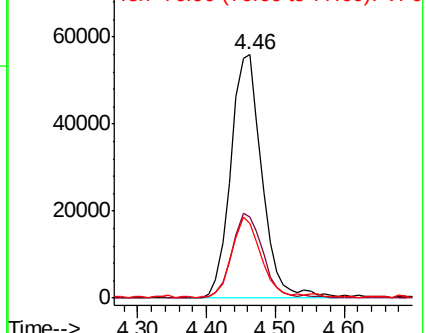


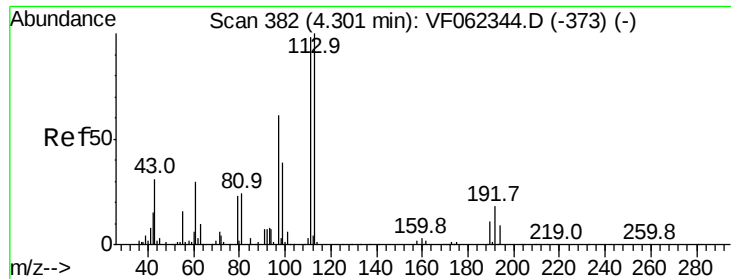
Abundance

Ion 74.90 (74.60 to 75.60): VF0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VF0

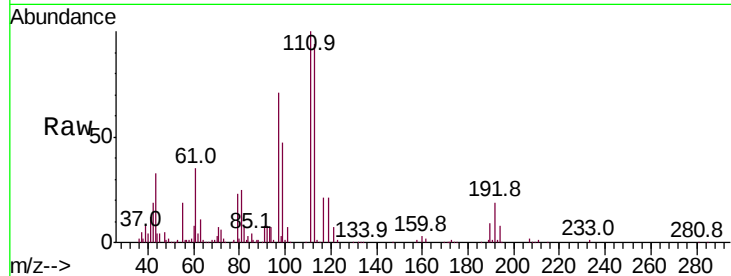




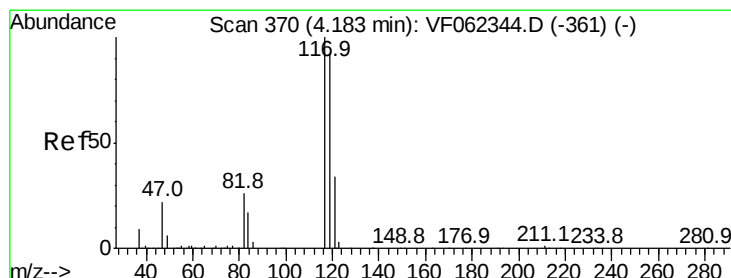
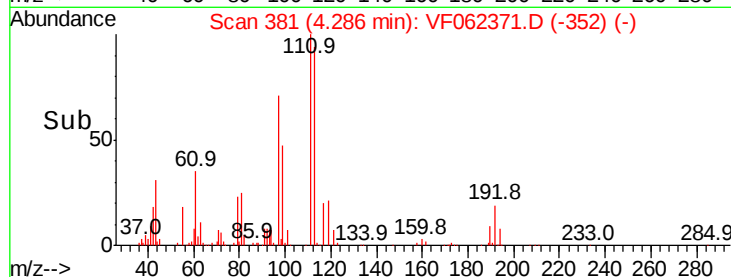
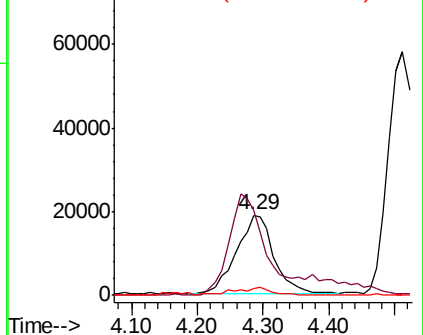
#37
Ethyl Acetate
Concen: 51.910 ug/l
RT: 4.29 min Scan# 381
Delta R.T. -0.02 min
Lab File: VF062371.D
Acq: 8 May 2019 11:02

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 74909
Ion Ratio Lower Upper
43 100
61 0.0 0.0 0.0
70 10.7 8.2 12.2

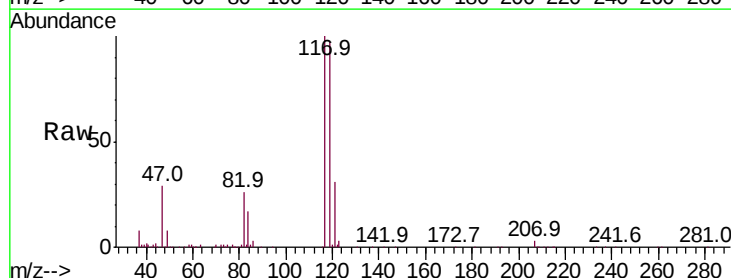


Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 60.90 (60.60 to 61.60): VF0
Ion 70.00 (69.70 to 70.70): VF0

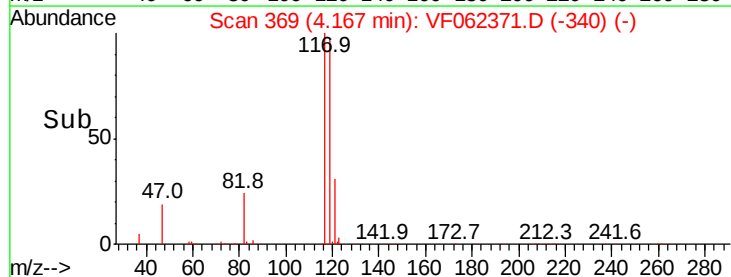
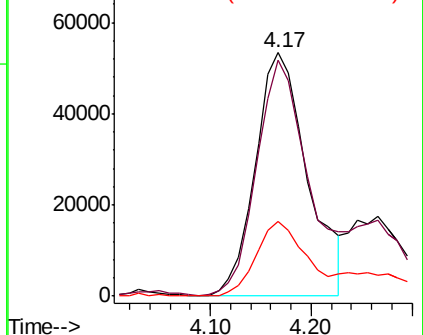


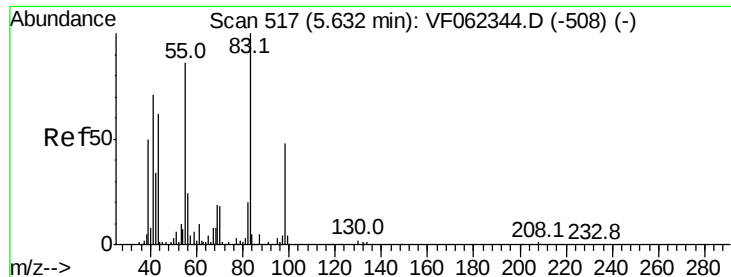
#38
Carbon Tetrachloride
Concen: 49.838 ug/l
RT: 4.17 min Scan# 369
Delta R.T. -0.02 min
Lab File: VF062371.D
Acq: 8 May 2019 11:02

Tgt Ion: 117 Resp: 192346
Ion Ratio Lower Upper
117 100
119 96.3 73.4 110.2
121 30.6 27.4 41.0



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

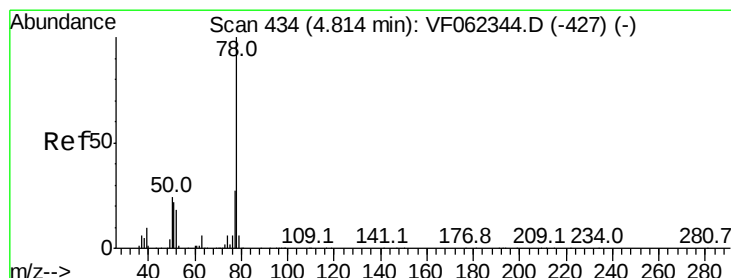
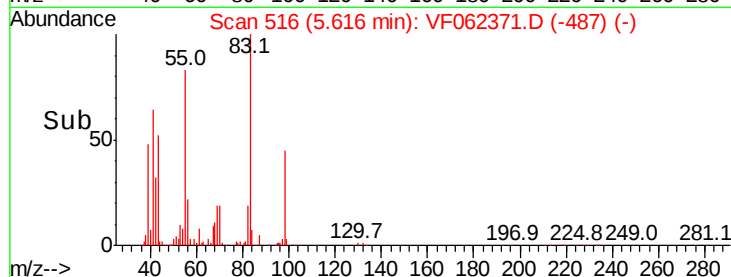
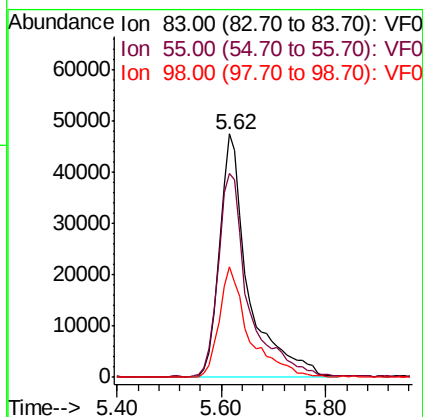
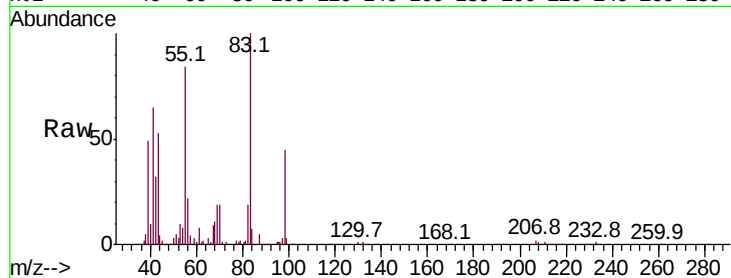




#39
Methvlcvclohexane
Concen: 48.871 ug/l
RT: 5.62 min Scan# 516
Delta R.T. -0.02 min
Lab File: VF062371.D
Acq: 8 May 2019 11:02

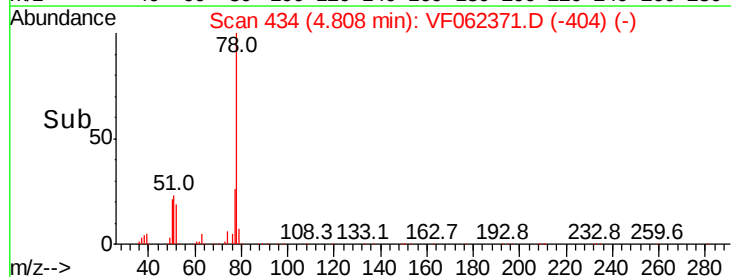
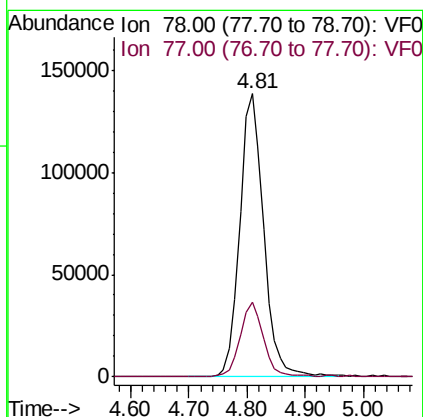
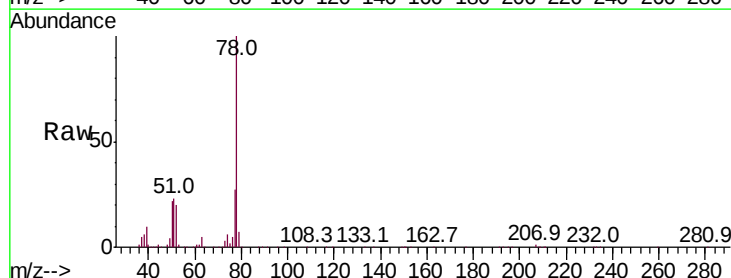
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

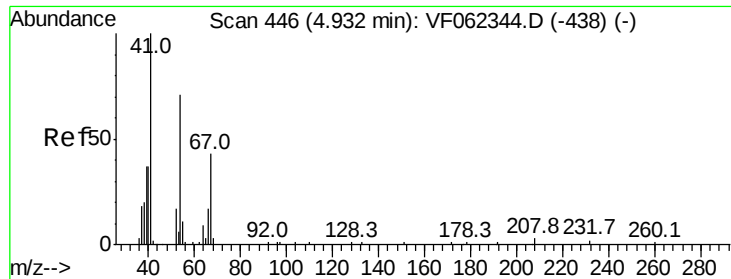
Tot Ion: 83 Resp: 182338
Ion Ratio Lower Upper
83 100
55 83.4 69.0 103.6
98 45.2 38.6 58.0



#40
Benzene
Concen: 48.435 ug/l
RT: 4.81 min Scan# 434
Delta R.T. -0.01 min
Lab File: VF062371.D
Acq: 8 May 2019 11:02

Tgt Ion: 78 Resp: 396784
Ion Ratio Lower Upper
78 100
77 26.5 21.6 32.4

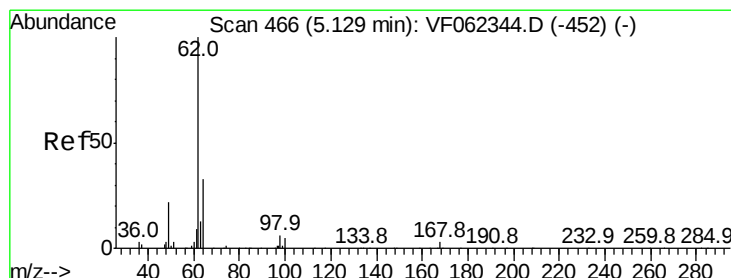
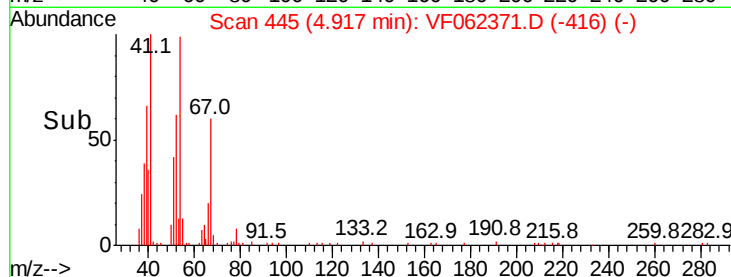
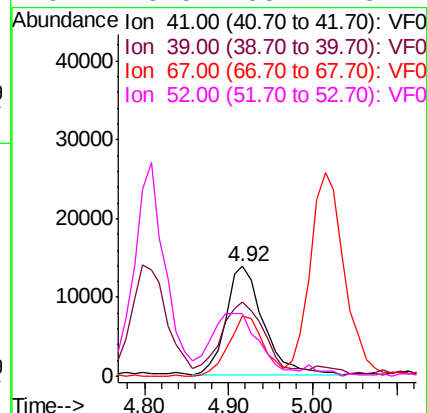
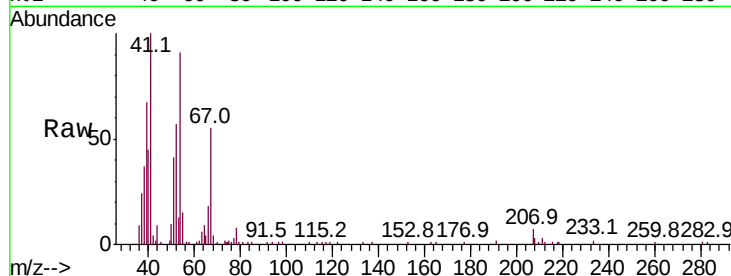




#41
Methacrylonitrile
Concen: 47.410 ug/l
RT: 4.92 min Scan# 445
Delta R.T. -0.02 min
Lab File: VF062371.D
Acq: 8 May 2019 11:02

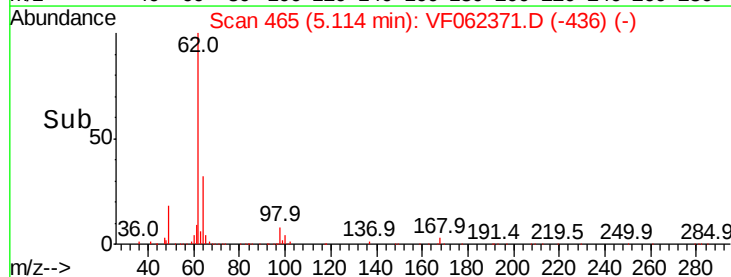
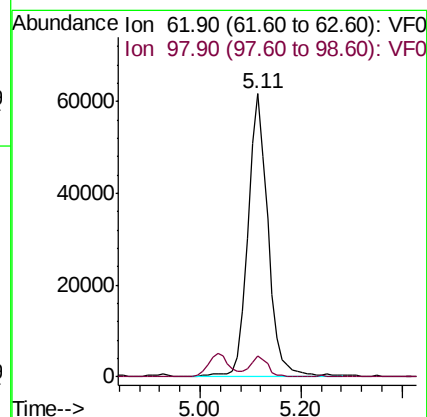
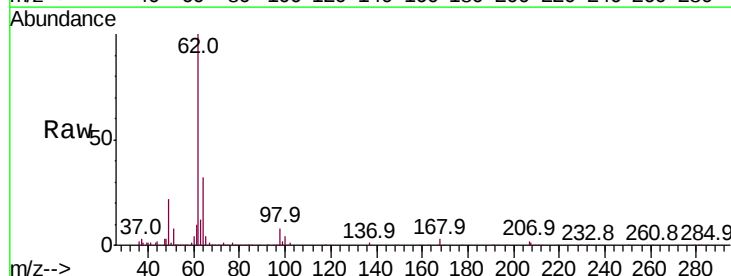
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

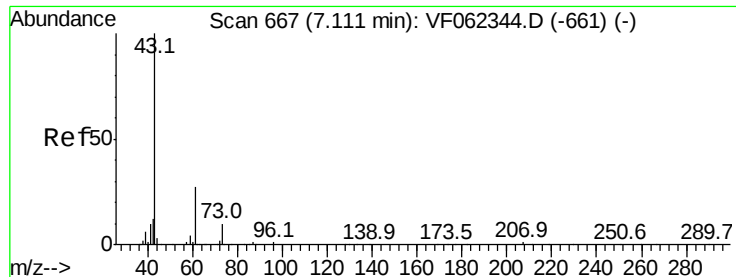
Tot Ion:	41	Resp:	42291
Ion	Ratio	Lower	Upper
41	100		
39	74.4	54.3	81.5
67	52.1	37.8	56.8
52	75.5	58.2	87.4



#42
1,2-Dichloroethane
Concen: 49.908 ug/l
RT: 5.11 min Scan# 465
Delta R.T. -0.02 min
Lab File: VF062371.D
Acq: 8 May 2019 11:02

Tgt Ion:	62	Resp:	170996
Ion	Ratio	Lower	Upper
62	100		
98	6.3	0.0	12.4



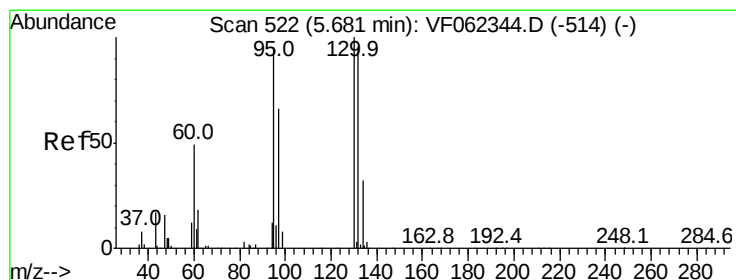
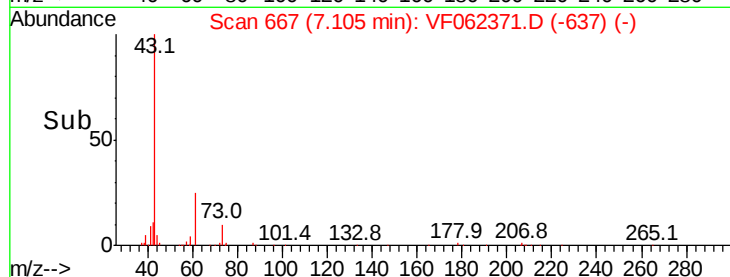
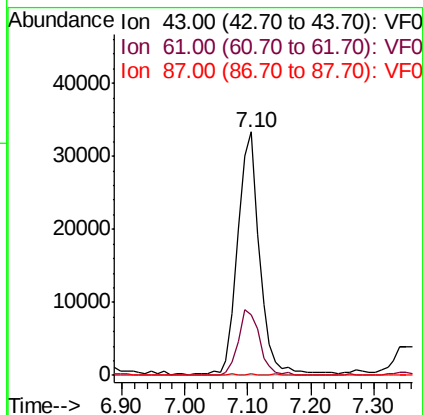
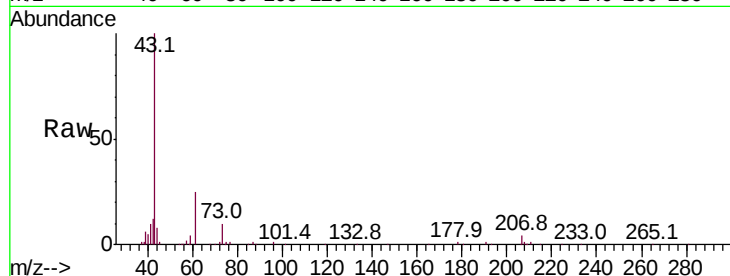


#43

Isopropyl Acetate
 Concen: 47.627 ug/l
 RT: 7.10 min Scan# 667
 Delta R.T. -0.01 min
 Lab File: VF062371.D
 Acq: 8 May 2019 11:02

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

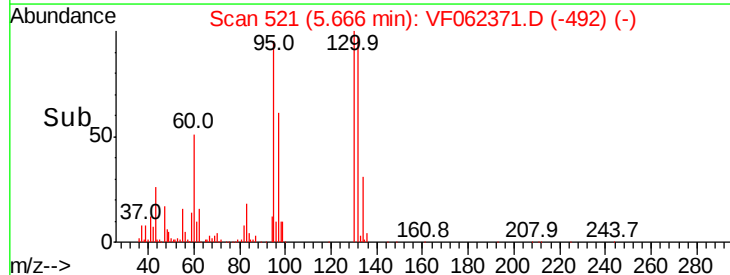
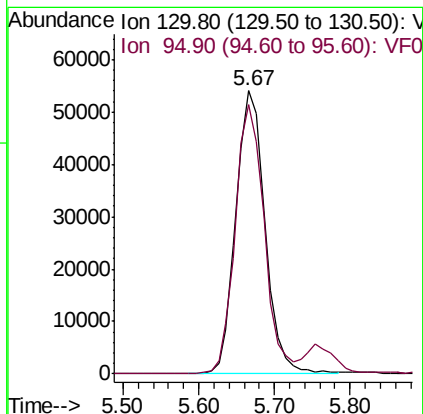
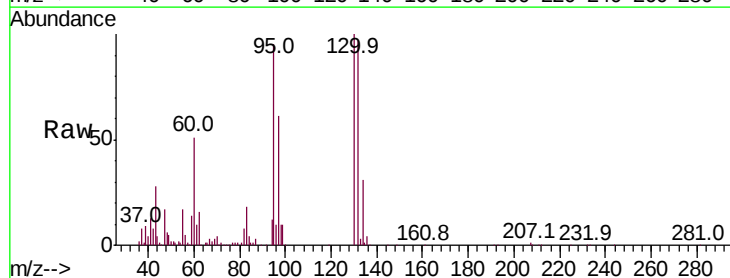
Tot Ion: 43 Resp: 80591
 Ion Ratio Lower Upper
 43 100
 61 26.3 22.8 34.2
 87 0.6 0.6 1.0#

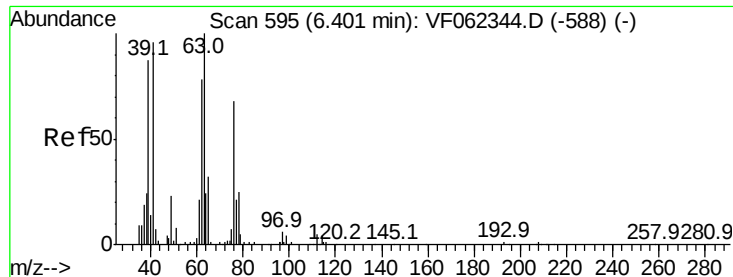


#44

Trichloroethene
 Concen: 48.106 ug/l
 RT: 5.67 min Scan# 521
 Delta R.T. -0.02 min
 Lab File: VF062371.D
 Acq: 8 May 2019 11:02

Tgt Ion: 130 Resp: 144768
 Ion Ratio Lower Upper
 130 100
 95 95.0 0.0 189.0





#45

1,2-Dichloropropane

Concen: 50.409 ug/l

RT: 6.40 min Scan# 595

Delta R.T. -0.01 min

Lab File: VF062371.D

Acq: 8 May 2019 11:02

Instrument :

MSVOA_F

ClientSampleId :

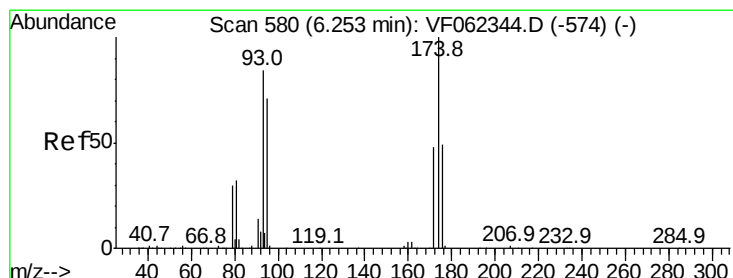
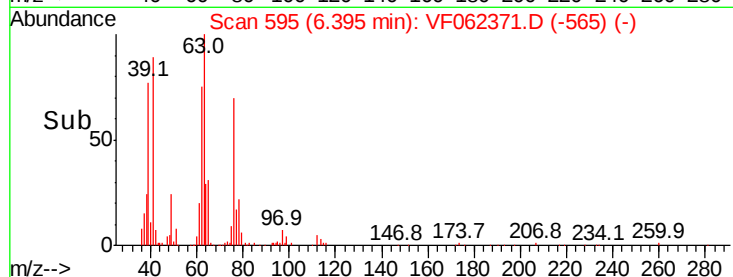
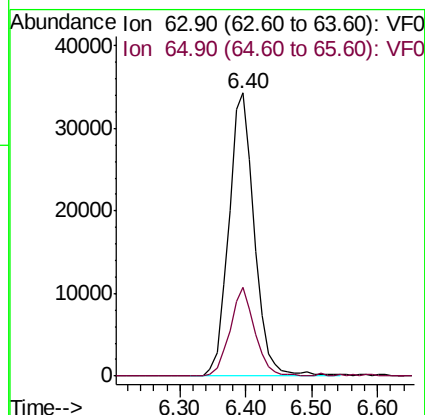
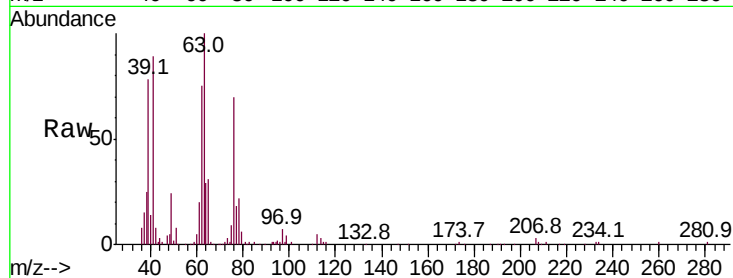
VSTDCCC050

Tot Ion: 63 Resp: 93536

Ion Ratio Lower Upper

63 100

65 31.0 25.6 38.4



#46

Dibromomethane

Concen: 49.069 ug/l

RT: 6.25 min Scan# 580

Delta R.T. -0.01 min

Lab File: VF062371.D

Acq: 8 May 2019 11:02

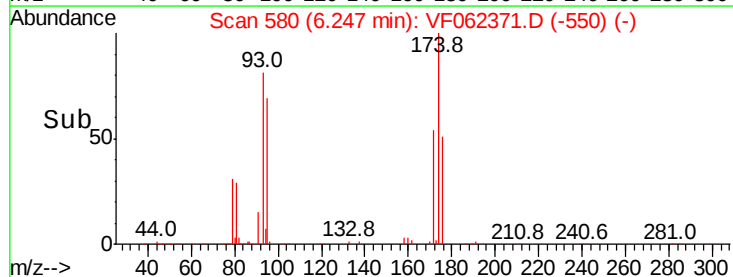
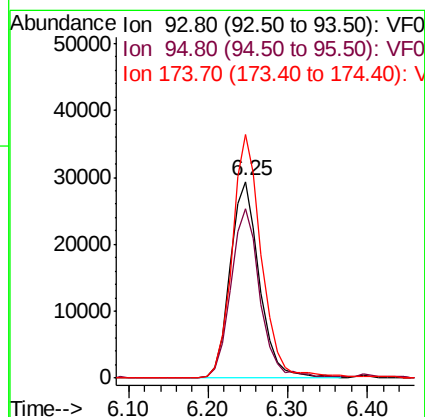
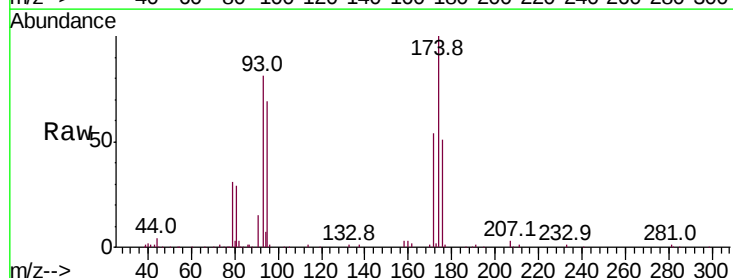
Tgt Ion: 93 Resp: 75492

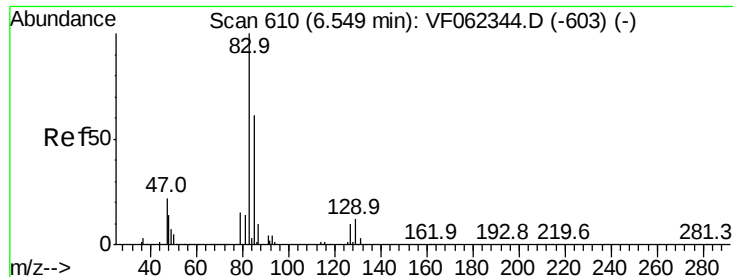
Ion Ratio Lower Upper

93 100

95 86.4 68.4 102.6

174 124.8 99.6 149.4





#47

Bromodichloromethane

Concen: 50.096 ug/l

RT: 6.53 min Scan# 609

Delta R.T. -0.02 min

Lab File: VF062371.D

Acq: 8 May 2019 11:02

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

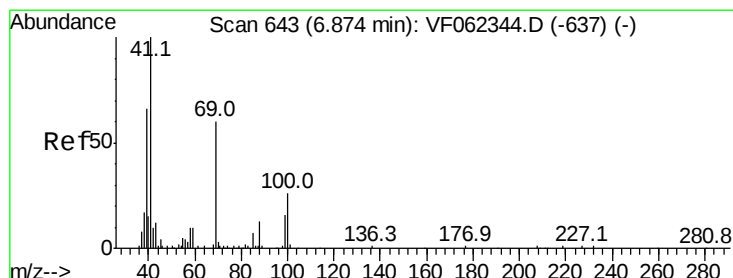
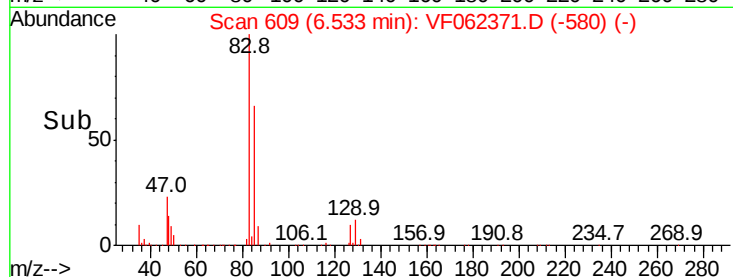
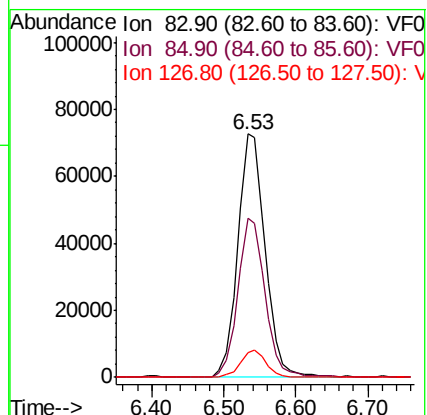
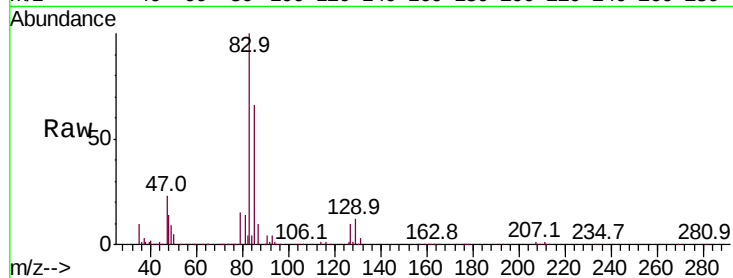
Tot Ion: 83 Resp: 192691

Ion Ratio Lower Upper

83 100

85 65.5 49.1 73.7

127 10.2 7.8 11.8



#48

Methyl methacrylate

Concen: 48.432 ug/l

RT: 6.86 min Scan# 642

Delta R.T. -0.02 min

Lab File: VF062371.D

Acq: 8 May 2019 11:02

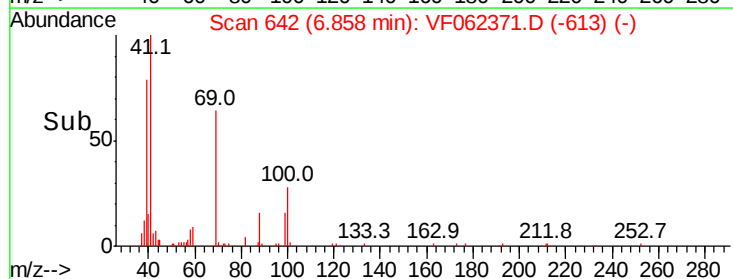
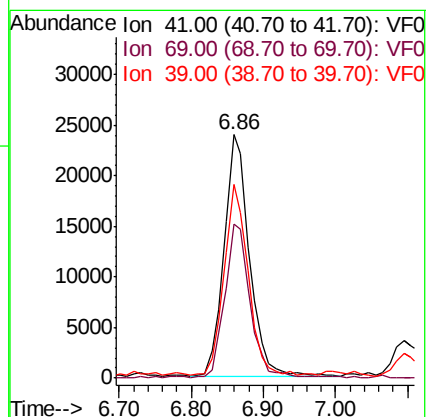
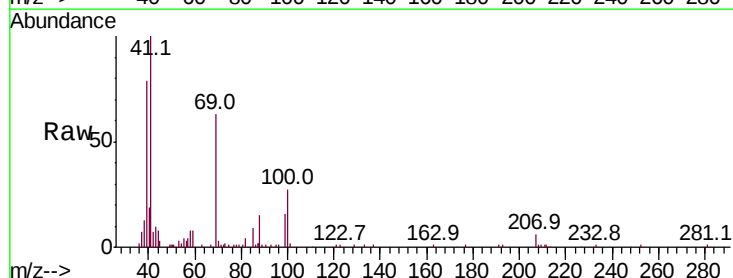
Tgt Ion: 41 Resp: 57916

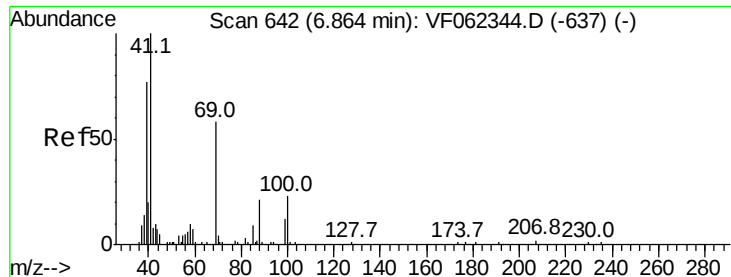
Ion Ratio Lower Upper

41 100

69 64.1 48.6 72.8

39 74.8 56.1 84.1





#49

1,4-Dioxane

Concen: 844.891 ug/l

RT: 6.86 min Scan# 642

Delta R.T. -0.01 min

Lab File: VF062371.D

Acq: 8 May 2019 11:02

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

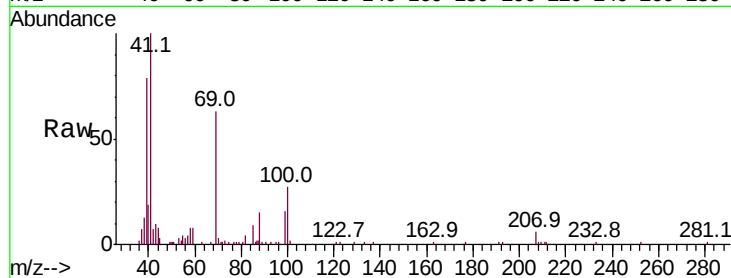
Tot Ion: 88 Resp: 10416

Ion Ratio Lower Upper

88 100

43 77.1 55.6 83.4

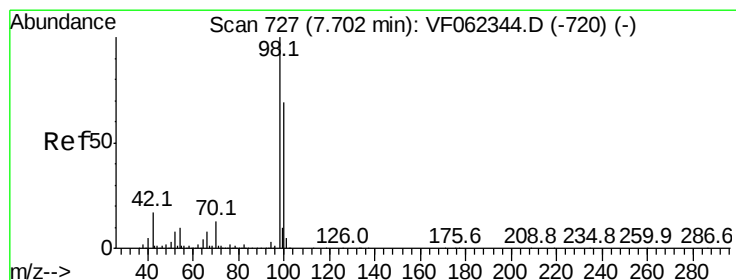
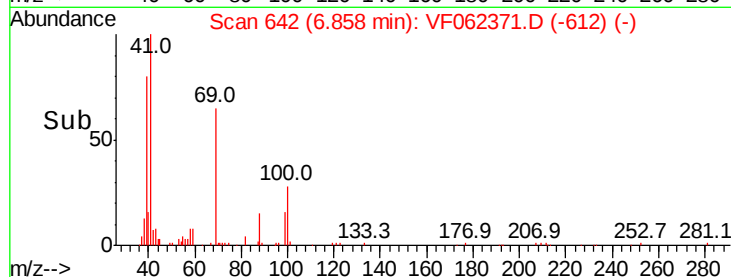
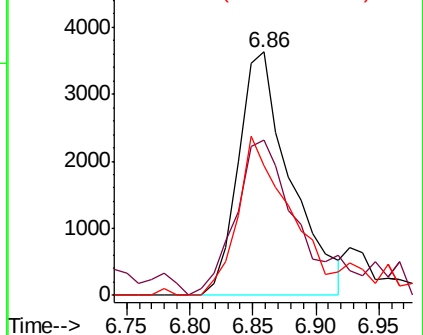
58 66.1 52.8 79.2



Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#50

Toluene-d8

Concen: 49.647 ug/l

RT: 7.70 min Scan# 727

Delta R.T. -0.01 min

Lab File: VF062371.D

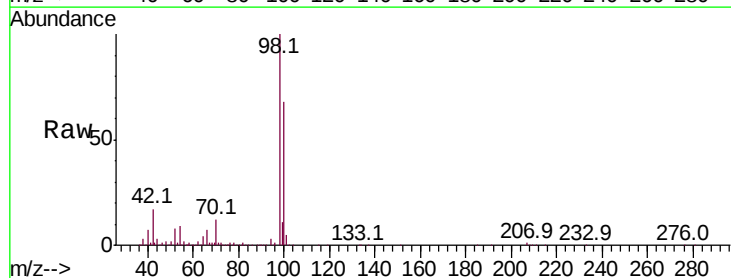
Acq: 8 May 2019 11:02

Tgt Ion: 98 Resp: 414633

Ion Ratio Lower Upper

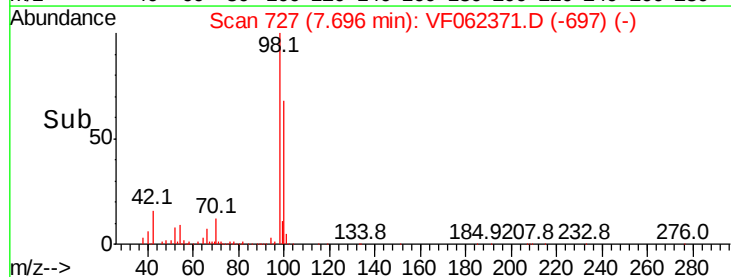
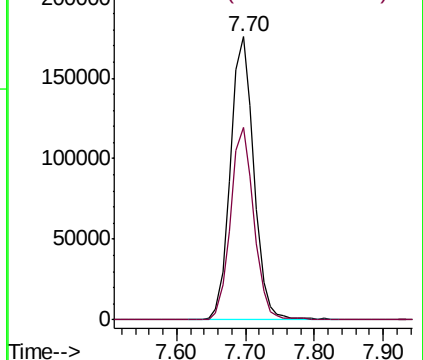
98 100

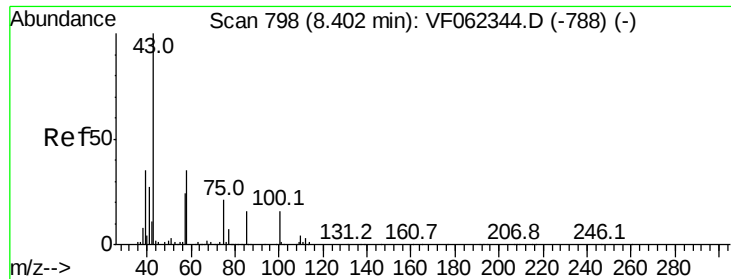
100 67.6 53.3 79.9



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#51

4-Methyl-2-Pentanone

Concen: 242.887 ug/l

RT: 8.39 min Scan# 797

Delta R.T. -0.02 min

Lab File: VF062371.D

Acq: 8 May 2019 11:02

Instrument :

MSVOA_F

ClientSampleId :

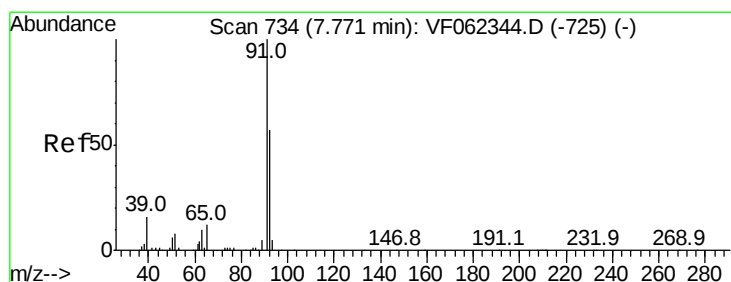
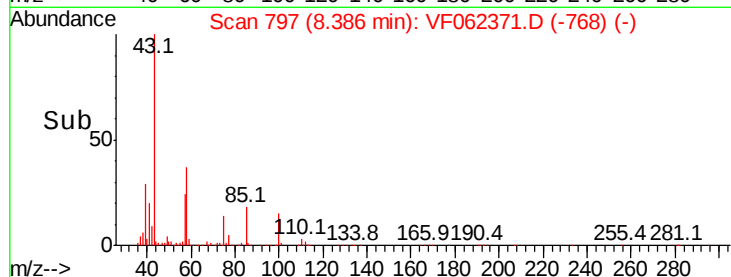
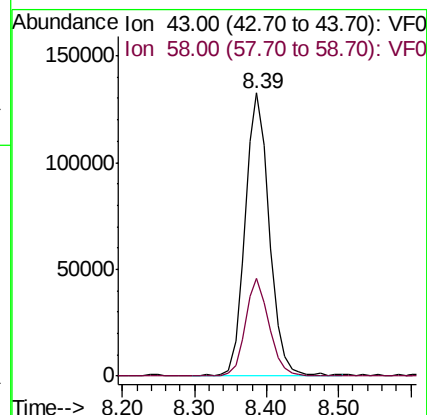
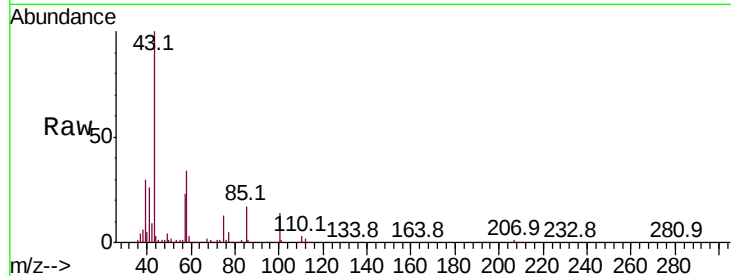
VSTDCCC050

Tot Ion: 43 Resp: 311431

Ion Ratio Lower Upper

43 100

58 33.9 27.8 41.6



#52

Toluene

Concen: 49.916 ug/l

RT: 7.77 min Scan# 734

Delta R.T. -0.01 min

Lab File: VF062371.D

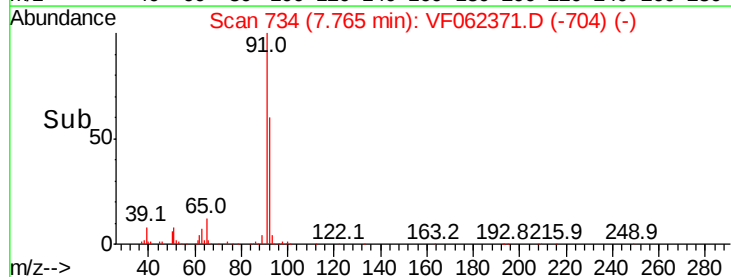
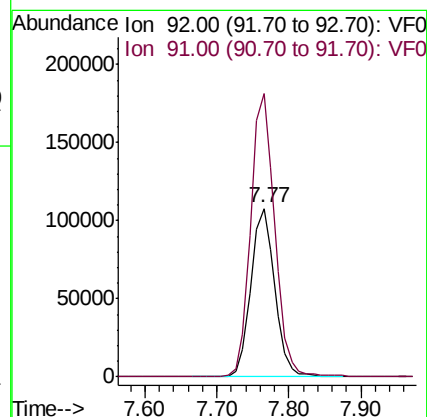
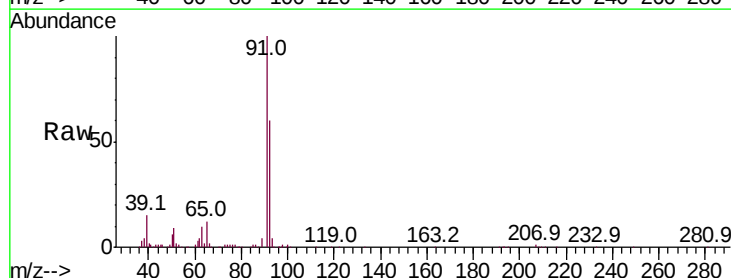
Acq: 8 May 2019 11:02

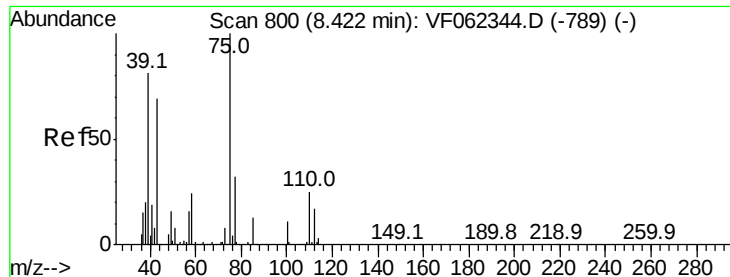
Tgt Ion: 92 Resp: 252267

Ion Ratio Lower Upper

92 100

91 168.8 138.7 208.1





#53

t-1,3-Dichloropropene

Concen: 46.635 ug/l

RT: 8.41 min Scan# 799

Delta R.T. -0.02 min

Lab File: VF062371.D

Acq: 8 May 2019 11:02

Instrument :

MSVOA_F

ClientSampleId :

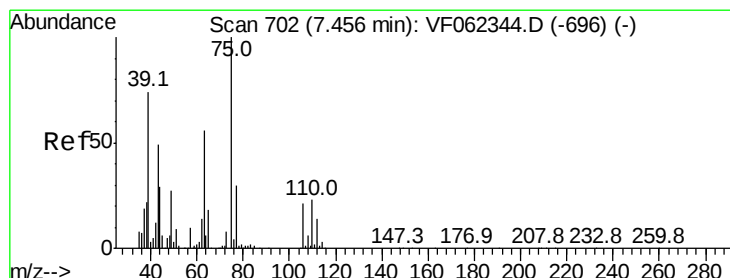
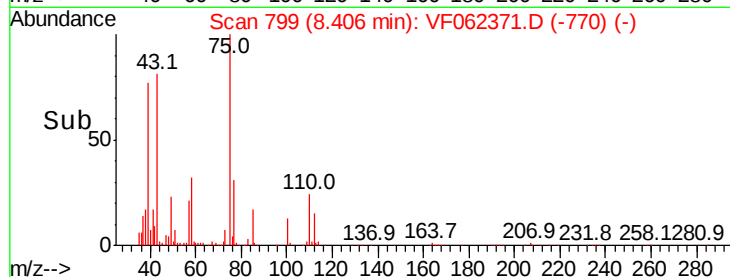
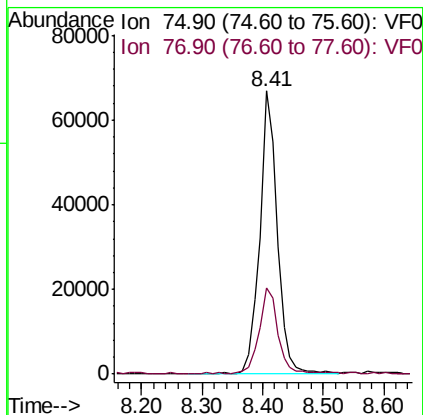
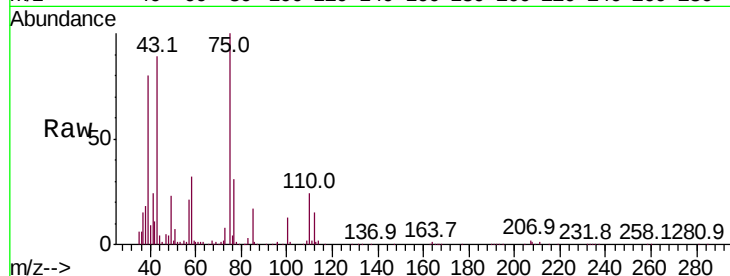
VSTDCCC050

Tot Ion: 75 Resp: 135670

Ion Ratio Lower Upper

75 100

77 30.3 25.4 38.0



#54

cis-1,3-Dichloropropene

Concen: 51.386 ug/l

RT: 7.44 min Scan# 701

Delta R.T. -0.02 min

Lab File: VF062371.D

Acq: 8 May 2019 11:02

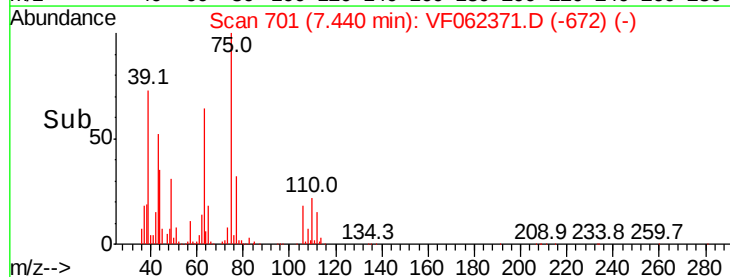
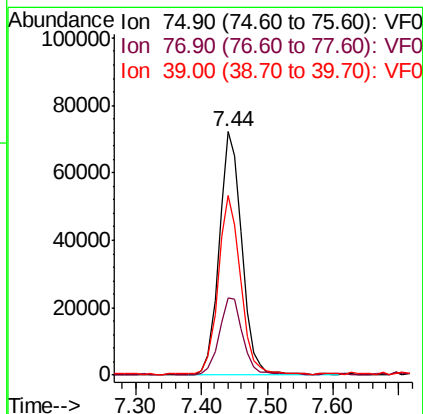
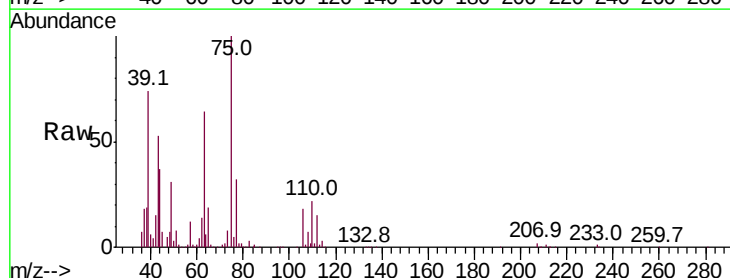
Tgt Ion: 75 Resp: 173982

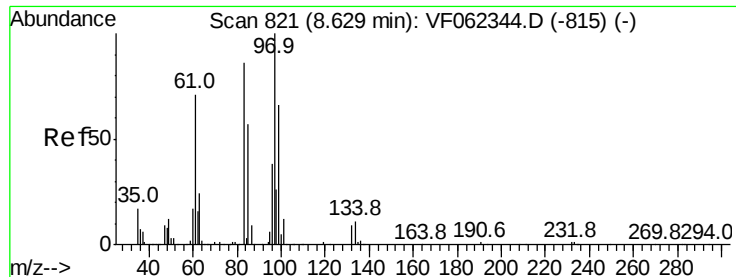
Ion Ratio Lower Upper

75 100

77 31.6 24.0 36.0

39 73.4 58.7 88.1





#55

1,1,2-Trichloroethane

Concen: 48.951 ug/l

RT: 8.61 min Scan# 820

Delta R.T. -0.02 min

Lab File: VF062371.D

Acq: 8 May 2019 11:02

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 78534

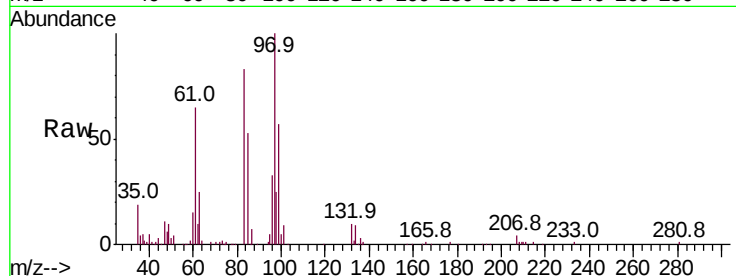
Ion Ratio Lower Upper

97 100

83 82.8 68.5 102.7

85 52.6 45.4 68.2

99 57.0 52.7 79.1

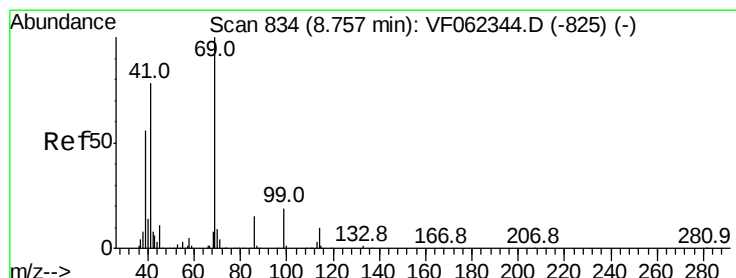
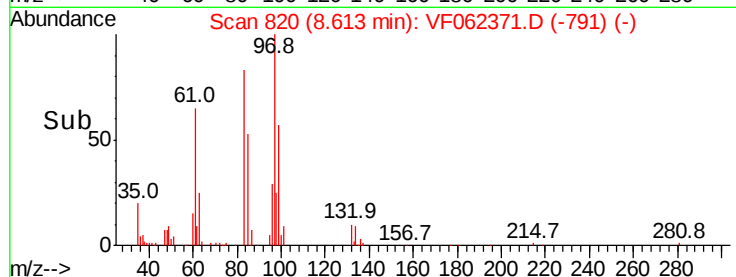
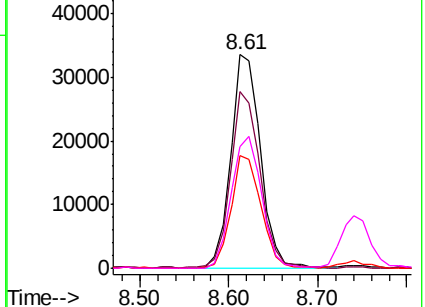


Abundance Ion 96.90 (96.60 to 97.60): VF0

Ion 82.90 (82.60 to 83.60): VF0

Ion 84.90 (84.60 to 85.60): VF0

Ion 98.90 (98.60 to 99.60): VF0



#56

Ethyl methacrylate

Concen: 45.277 ug/l

RT: 8.74 min Scan# 833

Delta R.T. -0.02 min

Lab File: VF062371.D

Acq: 8 May 2019 11:02

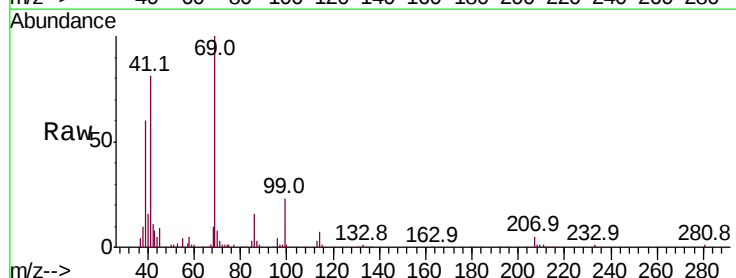
Tgt Ion: 69 Resp: 76678

Ion Ratio Lower Upper

69 100

41 85.1 66.3 99.5

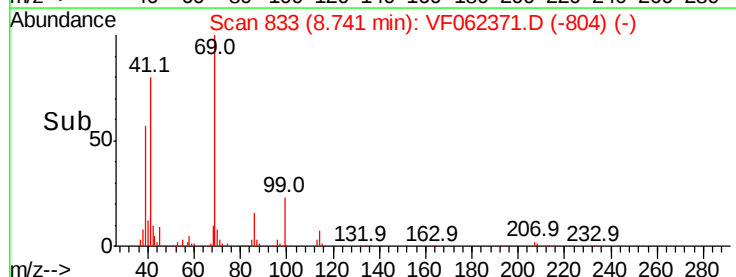
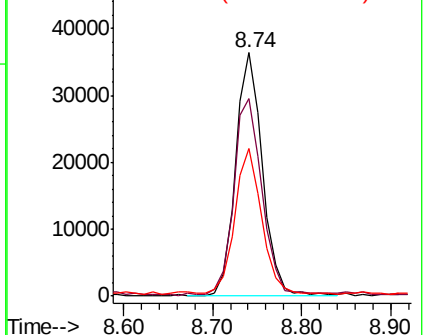
39 59.6 50.1 75.1

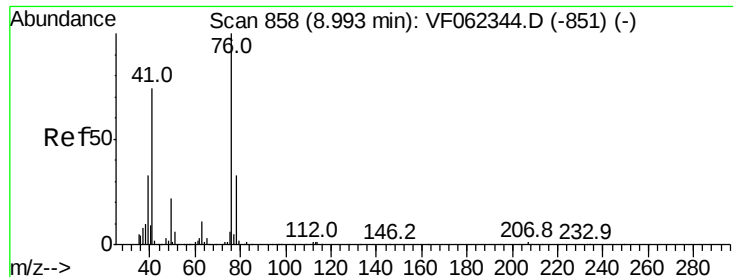


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 49.015 ug/l

RT: 8.98 min Scan# 857

Delta R.T. -0.02 min

Lab File: VF062371.D

Acq: 8 May 2019 11:02

Instrument :

MSVOA_F

ClientSampleId :

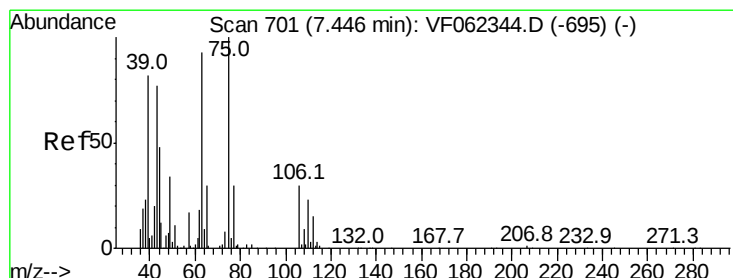
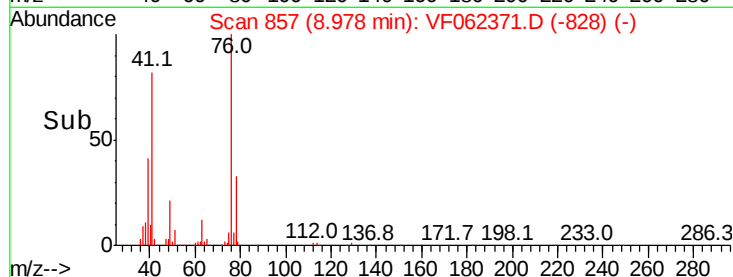
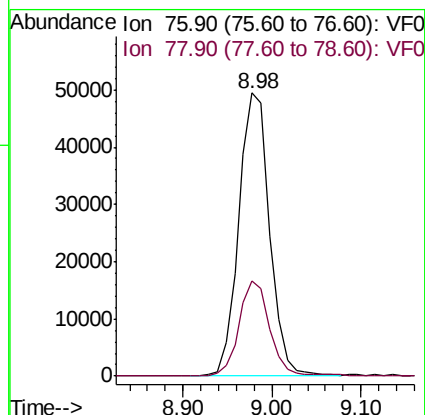
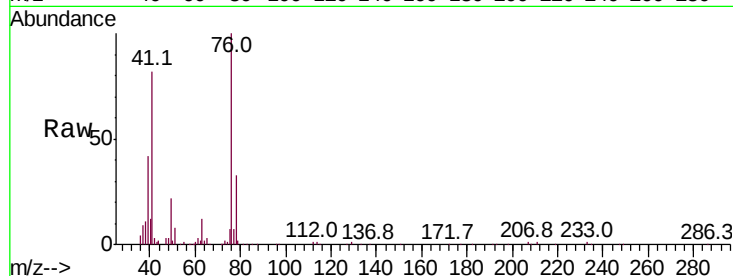
VSTDCCC050

Tot Ion: 76 Resp: 118780

Ion Ratio Lower Upper

76 100

78 33.8 26.4 39.6



#58

2-Chloroethyl Vinyl ether

Concen: 221.657 ug/l

RT: 7.43 min Scan# 700

Delta R.T. -0.02 min

Lab File: VF062371.D

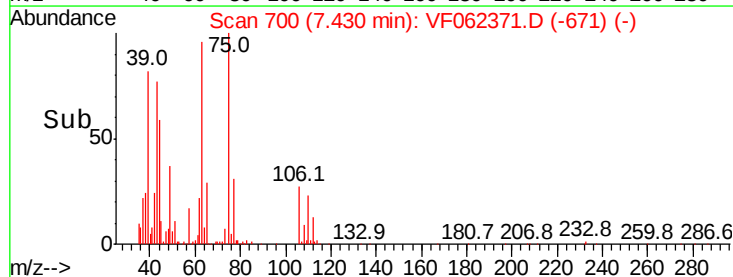
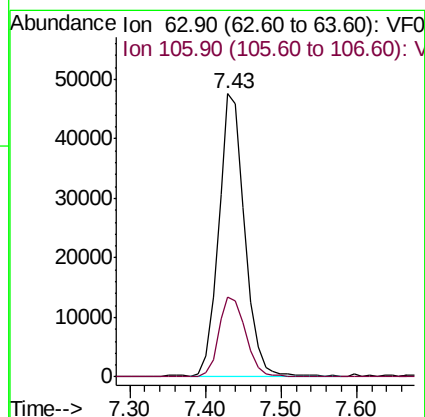
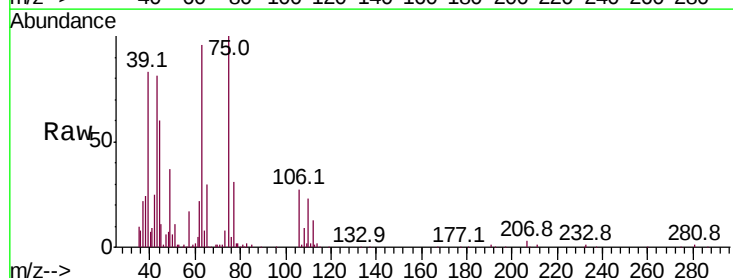
Acq: 8 May 2019 11:02

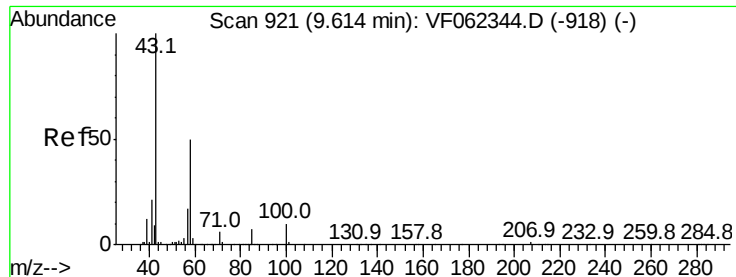
Tgt Ion: 63 Resp: 112857

Ion Ratio Lower Upper

63 100

106 29.5 25.8 38.8

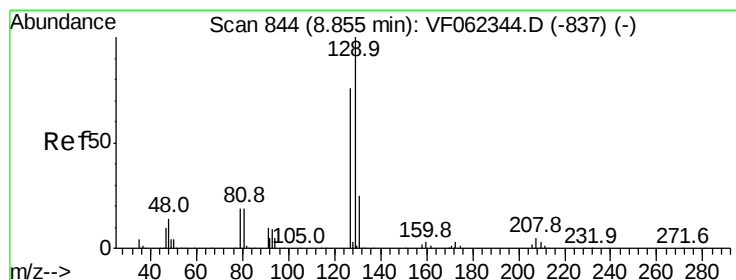
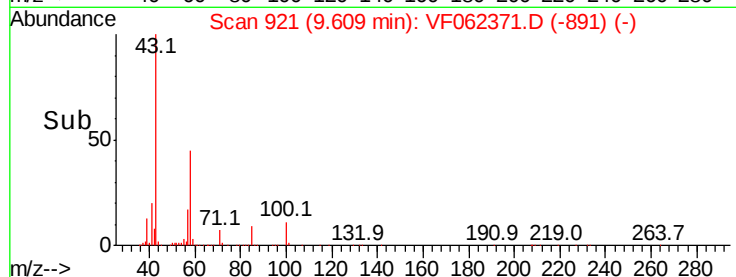
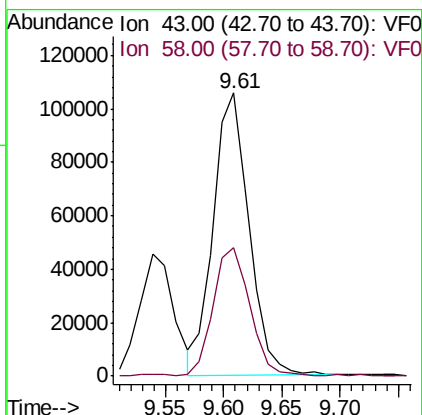
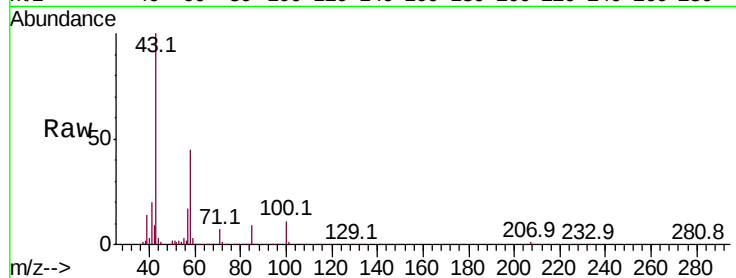




#59
2-Hexanone
Concen: 253.667 ug/l
RT: 9.61 min Scan# 921
Delta R.T. -0.01 min
Lab File: VF062371.D
Acq: 8 May 2019 11:02

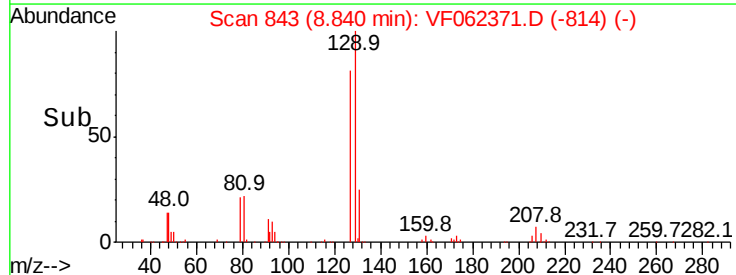
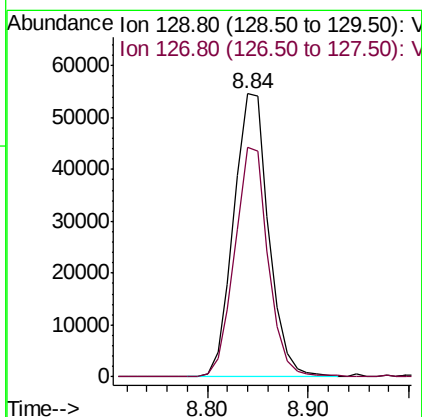
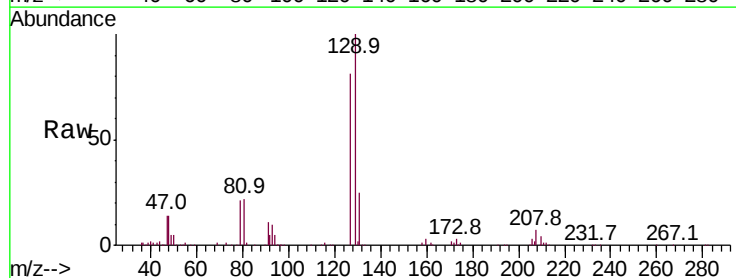
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

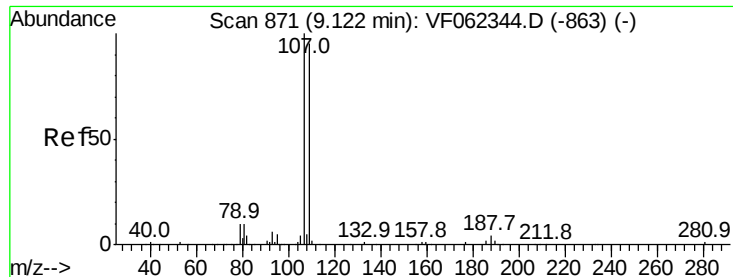
Tot Ion: 43 Resp: 224946
Ion Ratio Lower Upper
43 100
58 47.0 24.3 73.0



#60
Dibromochloromethane
Concen: 50.278 ug/l
RT: 8.84 min Scan# 843
Delta R.T. -0.02 min
Lab File: VF062371.D
Acq: 8 May 2019 11:02

Tgt Ion: 129 Resp: 131925
Ion Ratio Lower Upper
129 100
127 77.7 38.5 115.3





#61

1,2-Dibromoethane

Concen: 49.104 ug/l

RT: 9.12 min Scan# 871

Delta R.T. -0.01 min

Lab File: VF062371.D

Acq: 8 May 2019 11:02

Instrument :

MSVOA_F

ClientSampleId :

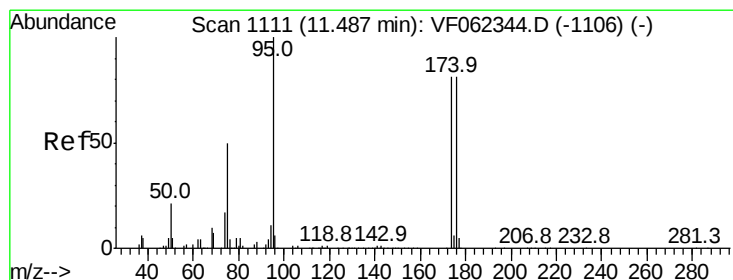
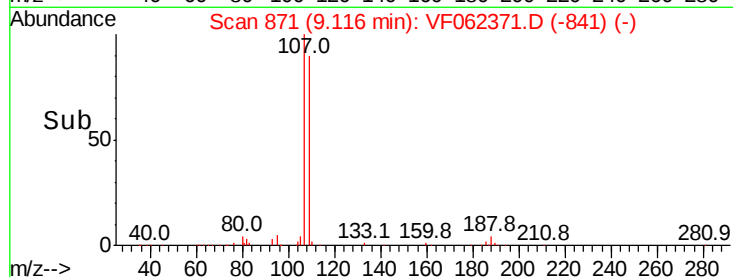
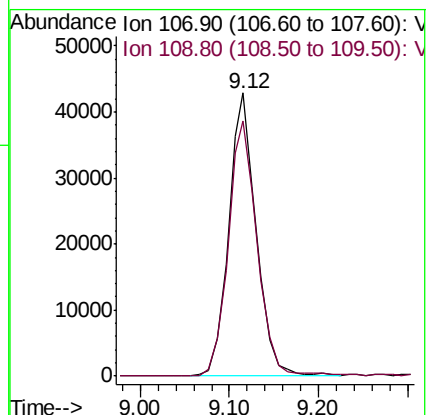
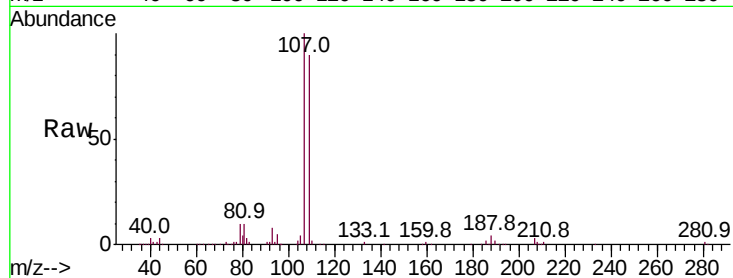
VSTDCCC050

Tot Ion:107 Resp: 92590

Ion Ratio Lower Upper

107 100

109 94.0 75.2 112.8



#62

4-Bromofluorobenzene

Concen: 48.501 ug/l

RT: 11.48 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VF062371.D

Acq: 8 May 2019 11:02

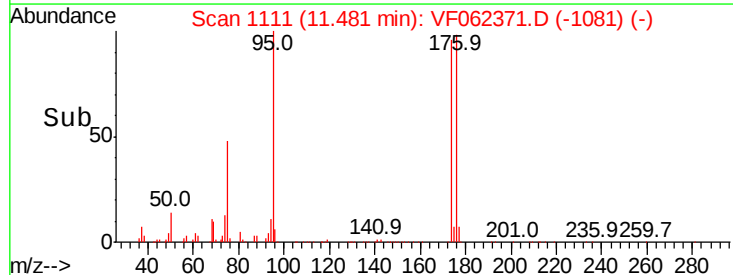
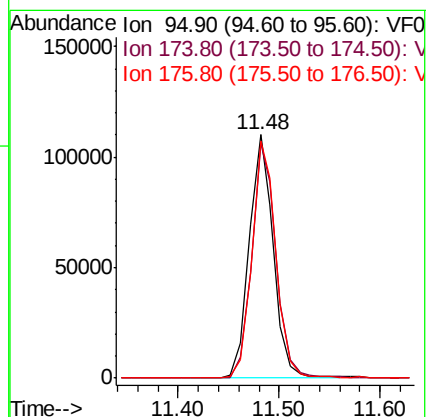
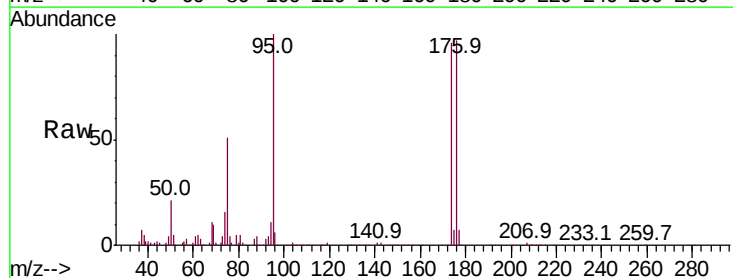
Tgt Ion: 95 Resp: 182749

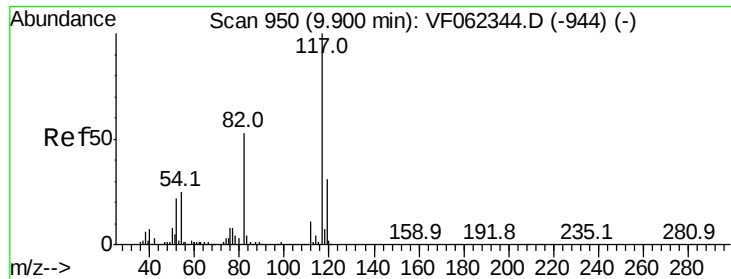
Ion Ratio Lower Upper

95 100

174 97.8 0.0 191.8

176 97.8 0.0 193.2

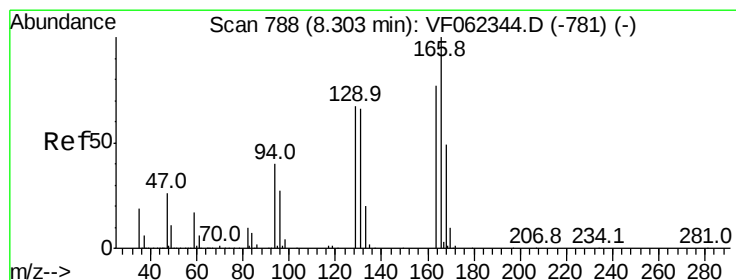
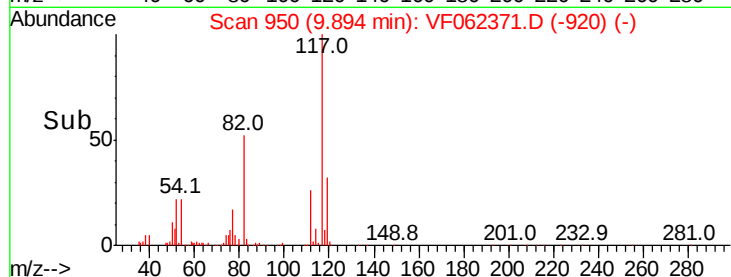
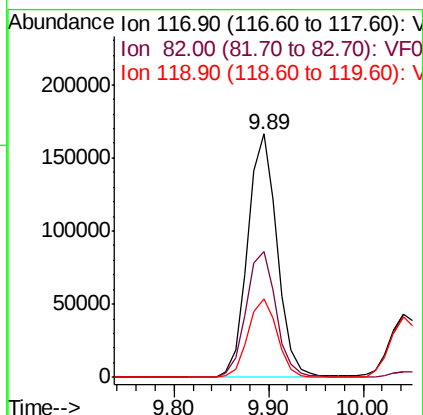
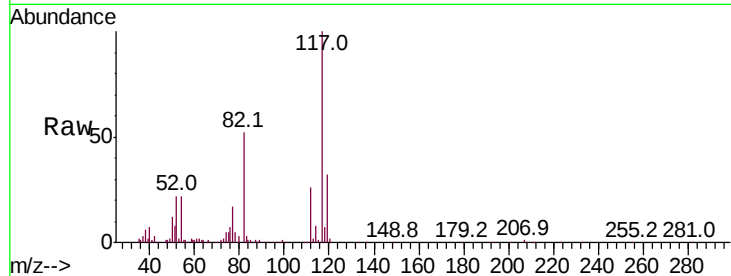




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.89 min Scan# 950
Delta R.T. -0.01 min
Lab File: VF062371.D
Acq: 8 May 2019 11:02

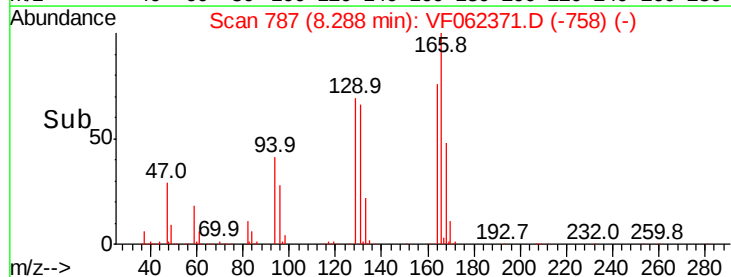
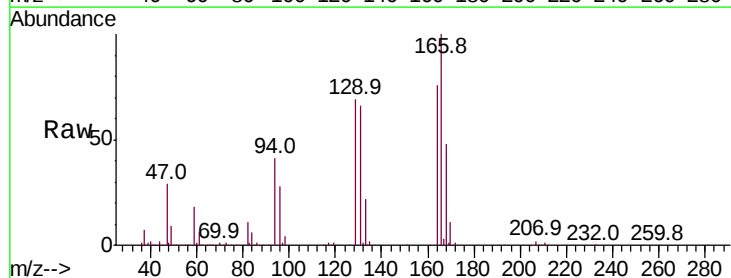
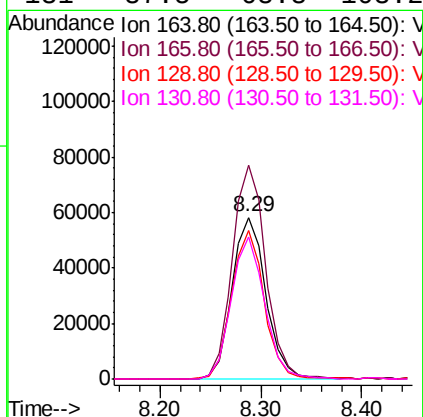
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

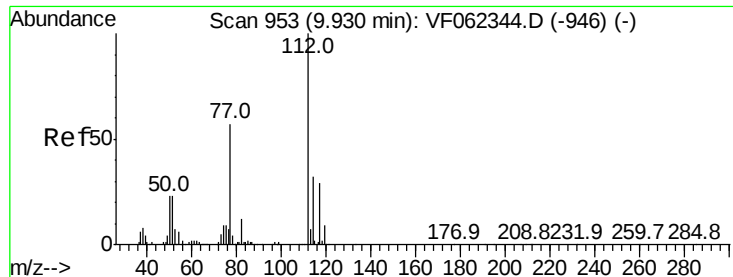
Tot Ion	Ratio	Lower	Upper
117	100		
82	51.9	42.2	63.2
119	32.1	25.0	37.4



#64
Tetrachloroethene
Concen: 46.492 ug/l
RT: 8.29 min Scan# 787
Delta R.T. -0.02 min
Lab File: VF062371.D
Acq: 8 May 2019 11:02

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.9	104.2	156.4
129	91.5	69.6	104.4
131	87.5	68.8	103.2

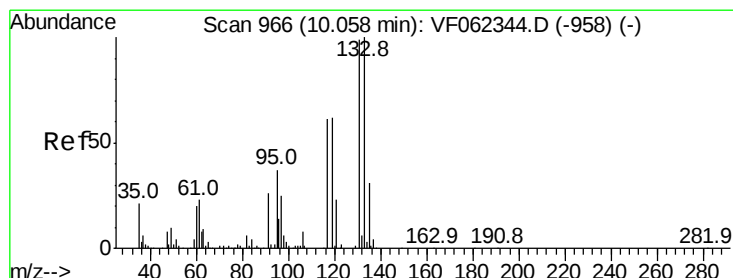
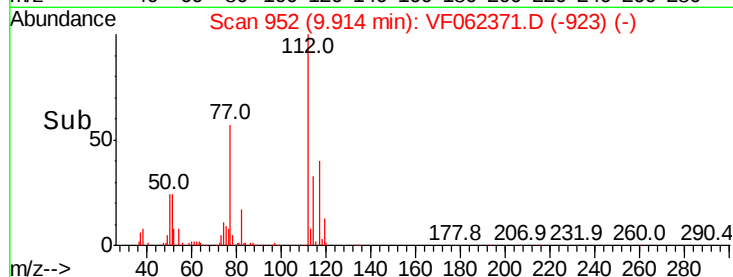
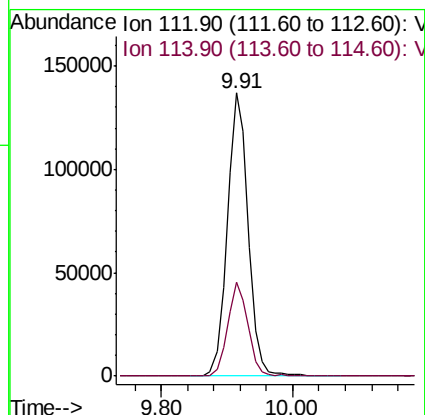
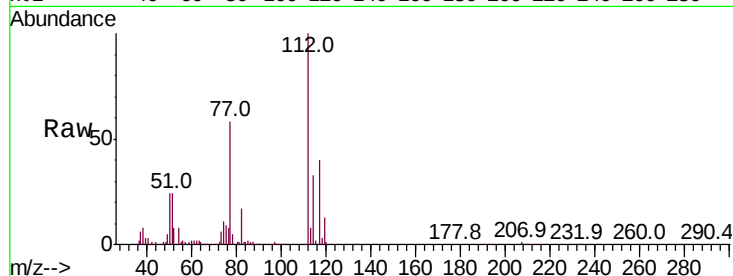




#65
Chlorobenzene
Concen: 50.813 ug/l
RT: 9.91 min Scan# 952
Delta R.T. -0.02 min
Lab File: VF062371.D
Acq: 8 May 2019 11:02

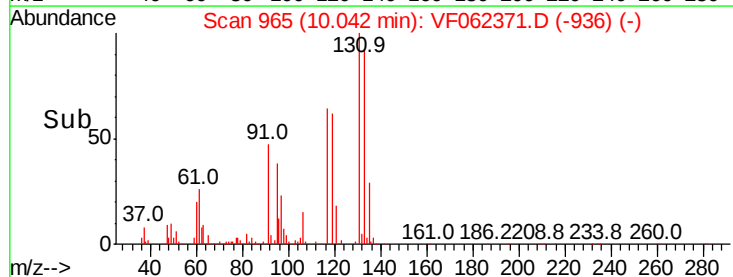
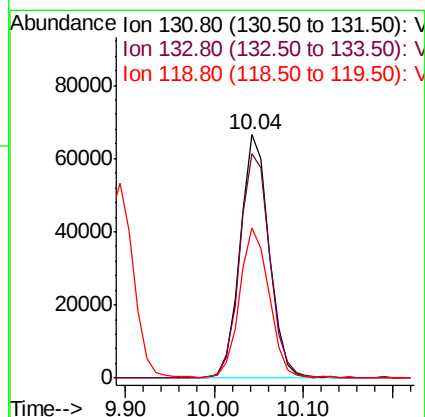
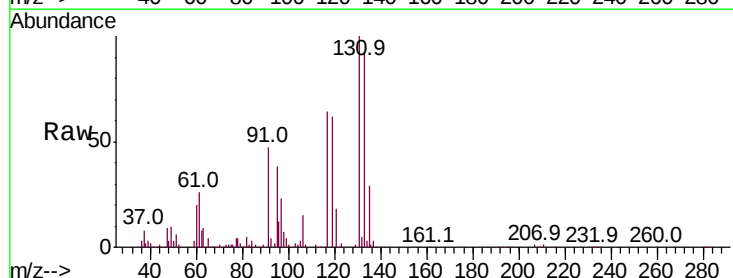
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

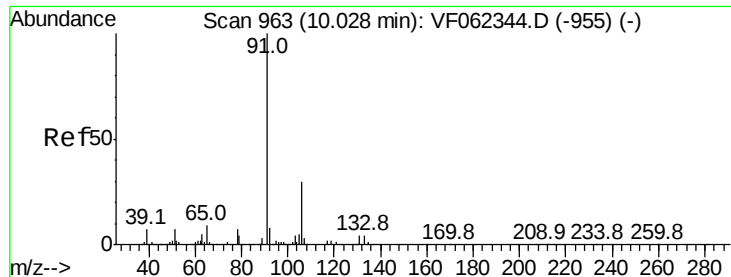
Tot Ion:112 Resp: 302648
Ion Ratio Lower Upper
112 100
114 33.0 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 50.061 ug/l
RT: 10.04 min Scan# 965
Delta R.T. -0.02 min
Lab File: VF062371.D
Acq: 8 May 2019 11:02

Tgt Ion:131 Resp: 150416
Ion Ratio Lower Upper
131 100
133 95.1 50.2 150.7
119 62.1 31.6 95.0





#67

Ethyl Benzene

Concen: 48.438 ug/l

RT: 10.01 min Scan# 962

Delta R.T. -0.02 min

Lab File: VF062371.D

Acq: 8 May 2019 11:02

Instrument :

MSVOA_F

ClientSampleId :

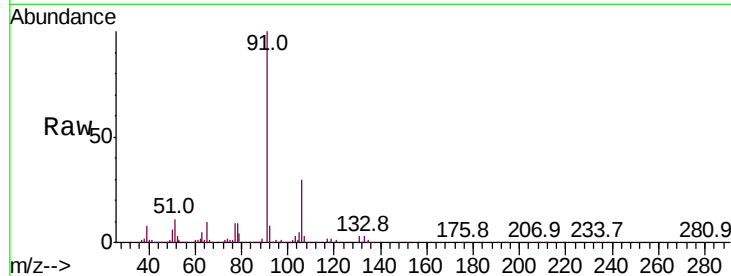
VSTDCCC050

Tot Ion: 91 Resp: 505183

Ion Ratio Lower Upper

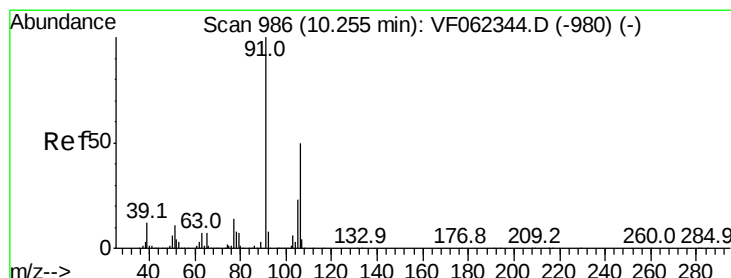
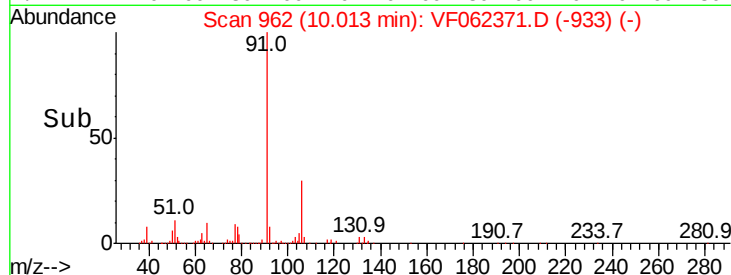
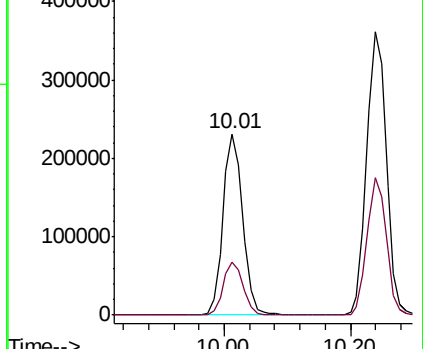
91 100

106 29.5 24.1 36.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 96.726 ug/l

RT: 10.24 min Scan# 985

Delta R.T. -0.02 min

Lab File: VF062371.D

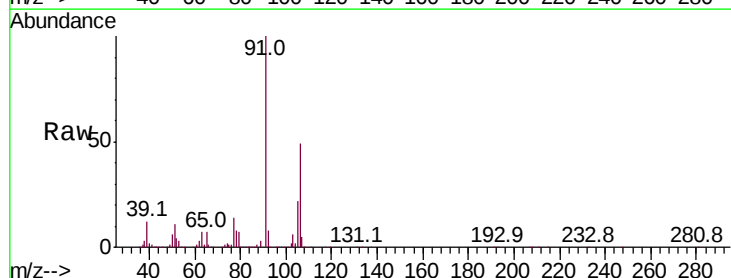
Acq: 8 May 2019 11:02

Tgt Ion: 106 Resp: 372215

Ion Ratio Lower Upper

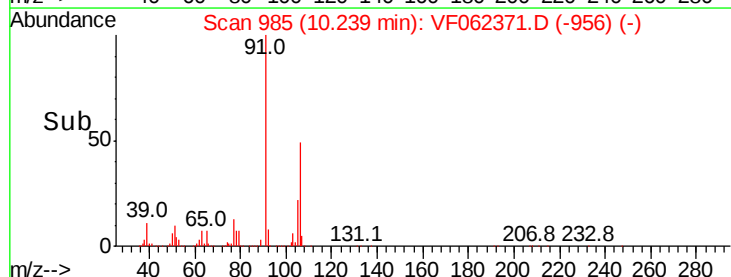
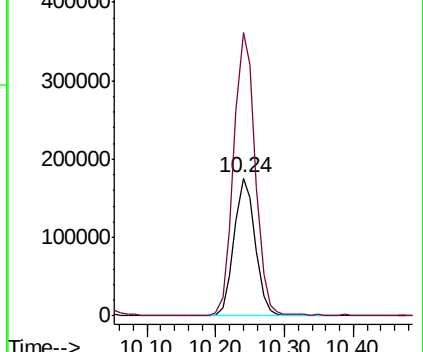
106 100

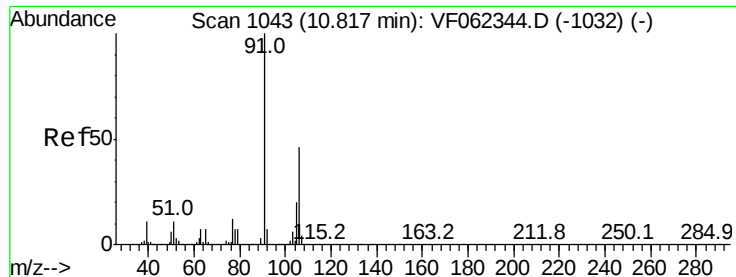
91 210.0 167.4 251.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

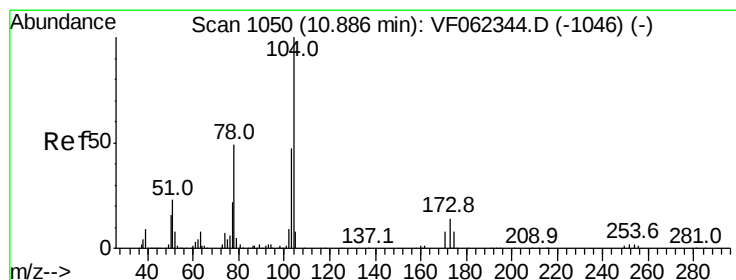
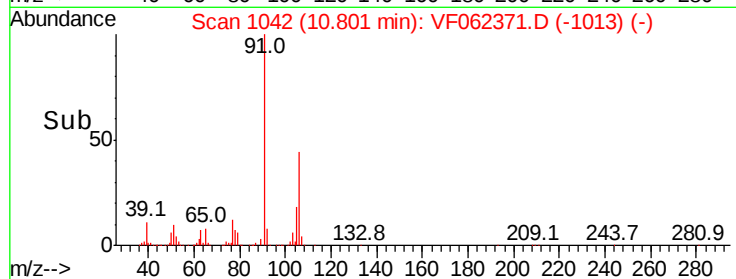
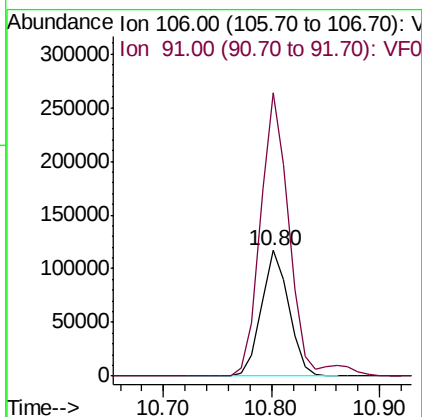
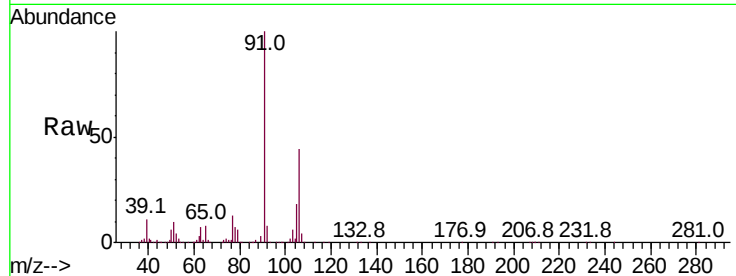




#69
o-Xylene
Concen: 49.823 ug/l
RT: 10.80 min Scan# 1042
Delta R.T. -0.02 min
Lab File: VF062371.D
Acq: 8 May 2019 11:02

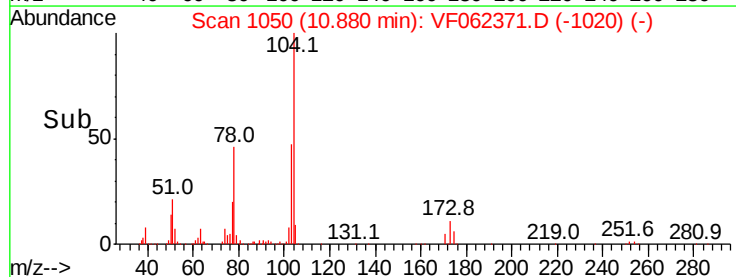
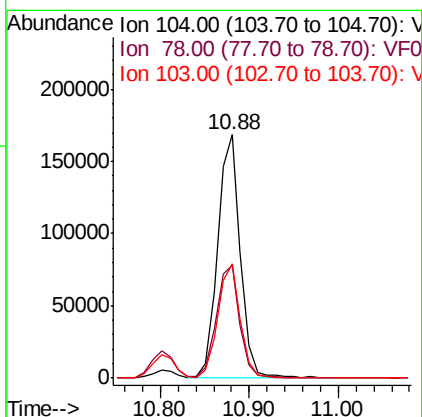
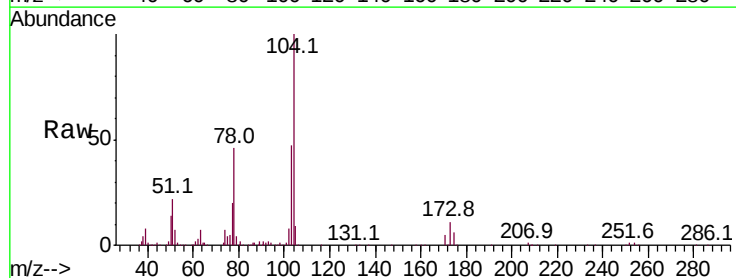
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

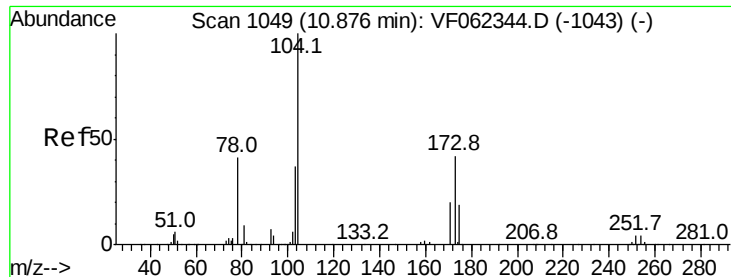
Tot Ion:106 Resp: 207173
Ion Ratio Lower Upper
106 100
91 237.4 111.3 333.8



#70
Styrene
Concen: 47.722 ug/l
RT: 10.88 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VF062371.D
Acq: 8 May 2019 11:02

Tgt Ion:104 Resp: 297399
Ion Ratio Lower Upper
104 100
78 47.4 39.5 59.3
103 46.4 38.4 57.6





#71

Bromoform

Concen: 50.031 ug/l

RT: 10.86 min Scan# 1048

Delta R.T. -0.02 min

Lab File: VF062371.D

Acq: 8 May 2019 11:02

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

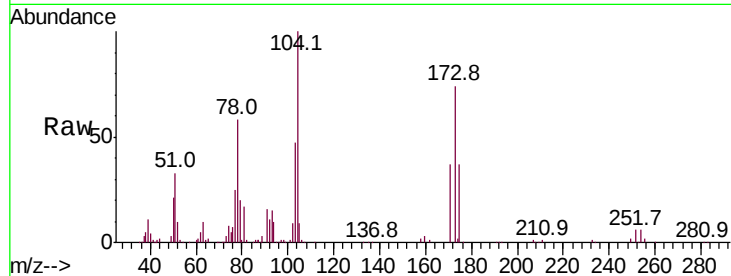
Tot Ion:173 Resp: 82357

Ion Ratio Lower Upper

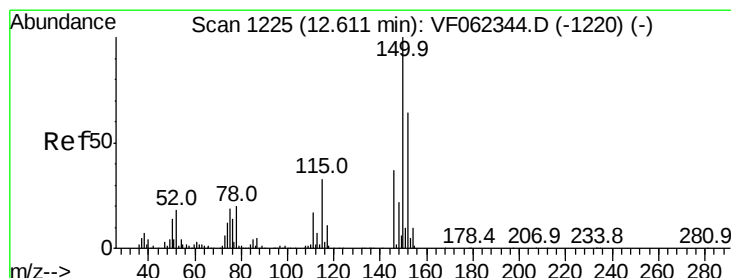
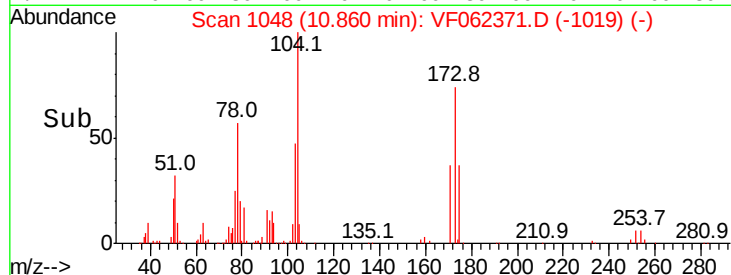
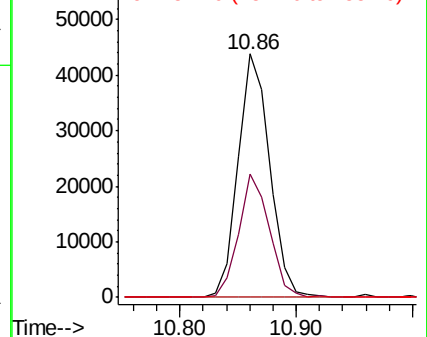
173 100

175 49.2 23.8 71.2

254 0.1 0.1 0.1



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.61 min Scan# 1225

Delta R.T. -0.01 min

Lab File: VF062371.D

Acq: 8 May 2019 11:02

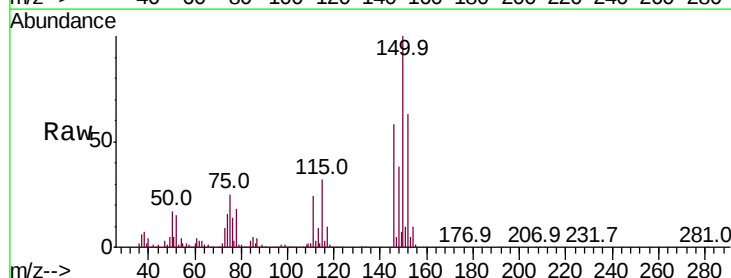
Tgt Ion:152 Resp: 208328

Ion Ratio Lower Upper

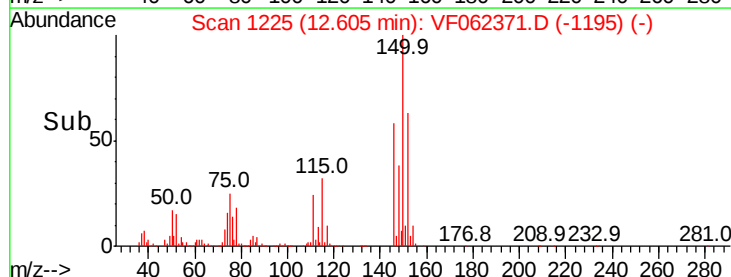
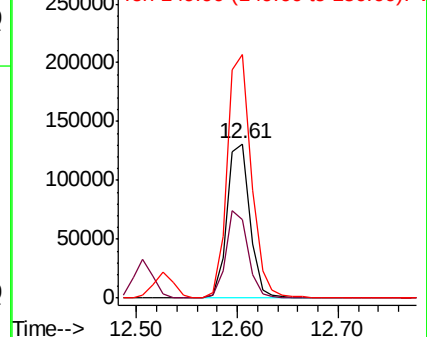
152 100

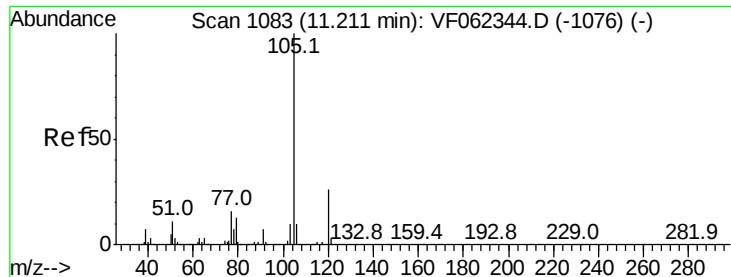
115 55.2 26.4 79.2

150 166.5 0.0 335.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 51.519 ug/l

RT: 11.21 min Scan# 1083

Delta R.T. -0.01 min

Lab File: VF062371.D

Acq: 8 May 2019 11:02

Instrument :

MSVOA_F

ClientSampleId :

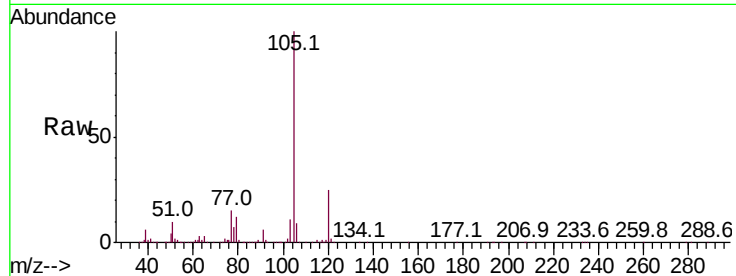
VSTDCCC050

Tot Ion:105 Resp: 636280

Ion Ratio Lower Upper

105 100

120 25.4 12.7 38.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.21

400000

300000

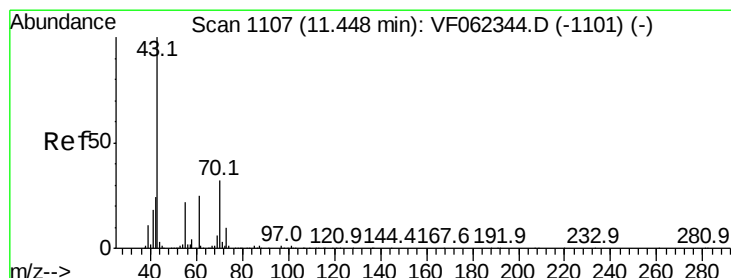
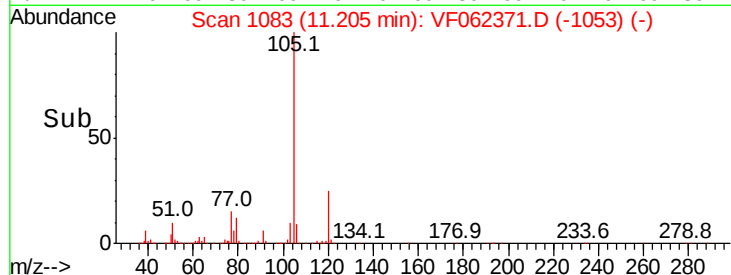
200000

100000

0

Time-->

11.10 11.20 11.30



#74

N-ethyl acetate

Concen: 48.769 ug/l

RT: 11.43 min Scan# 1106

Delta R.T. -0.02 min

Lab File: VF062371.D

Acq: 8 May 2019 11:02

Tgt Ion: 43 Resp: 129310

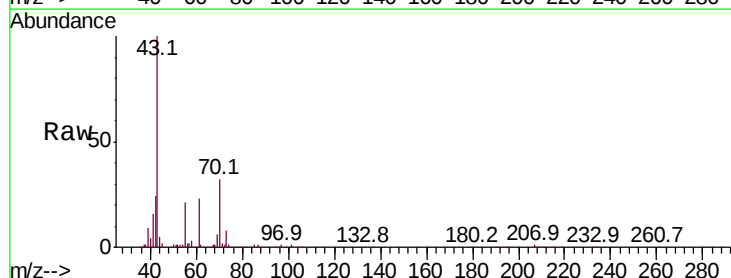
Ion Ratio Lower Upper

43 100

70 34.2 26.5 39.7

55 21.7 17.8 26.6

61 23.3 20.2 30.2



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

120000

100000

80000

60000

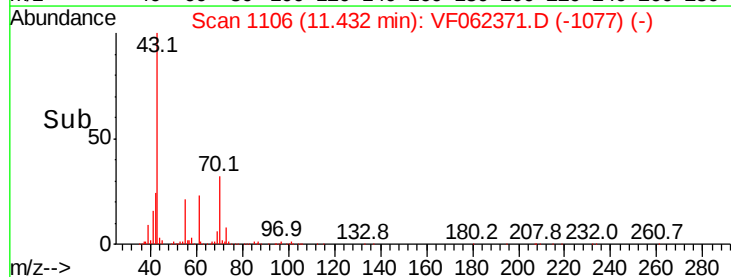
40000

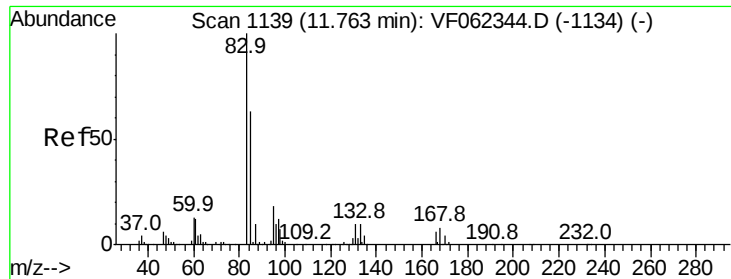
20000

0

Time-->

11.30 11.40 11.50 11.60





#75

1,1,2,2-Tetrachloroethane

Concen: 53.694 ug/l

RT: 11.76 min Scan# 1139

Delta R.T. -0.01 min

Lab File: VF062371.D

Acq: 8 May 2019 11:02

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

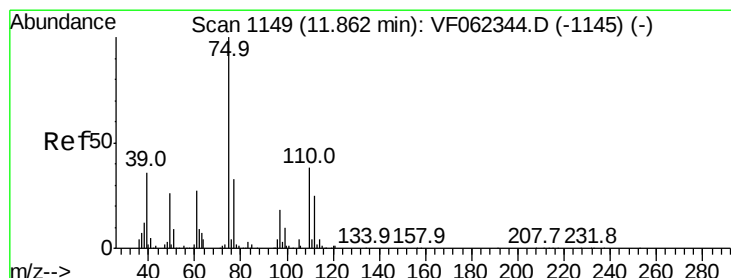
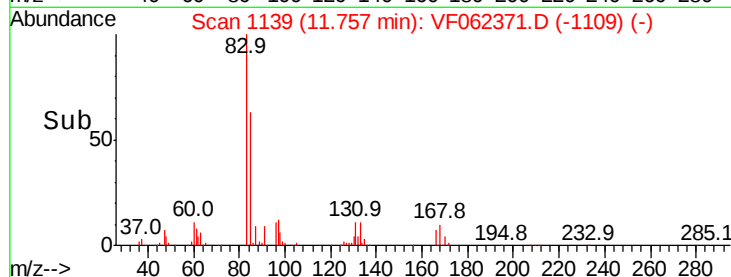
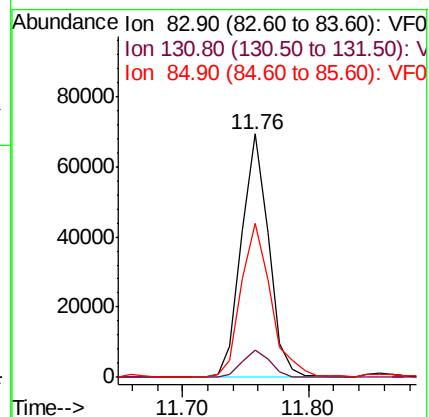
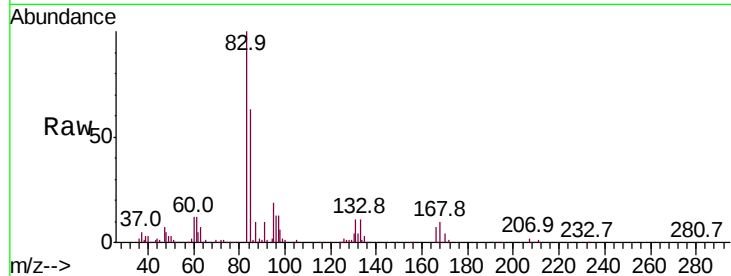
Tot Ion: 83 Resp: 103833

Ion Ratio Lower Upper

83 100

131 11.7 5.8 17.4

85 69.8 35.3 105.7



#76

1,2,3-Trichloropropane

Concen: 51.753 ug/l

RT: 11.86 min Scan# 1149

Delta R.T. -0.01 min

Lab File: VF062371.D

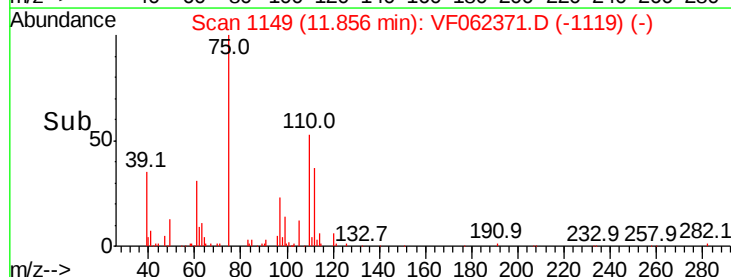
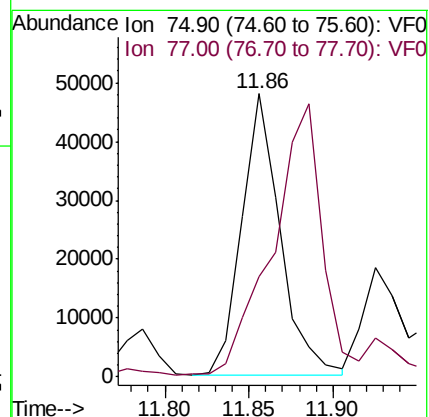
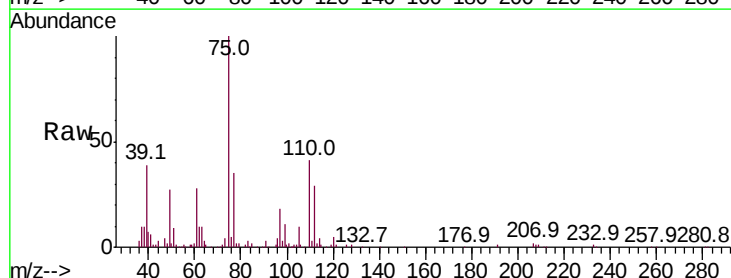
Acq: 8 May 2019 11:02

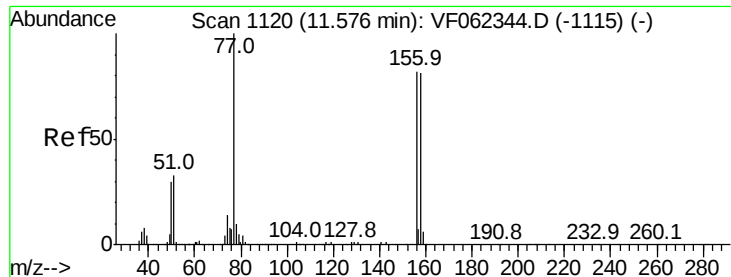
Tgt Ion: 75 Resp: 76354

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 51.784 ug/l

RT: 11.57 min Scan# 1120

Delta R.T. -0.01 min

Lab File: VF062371.D

Acq: 8 May 2019 11:02

Instrument :

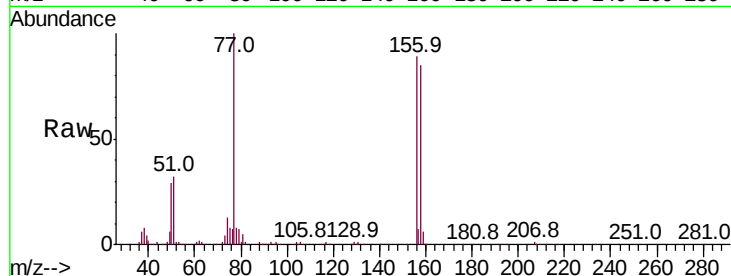
MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 167850

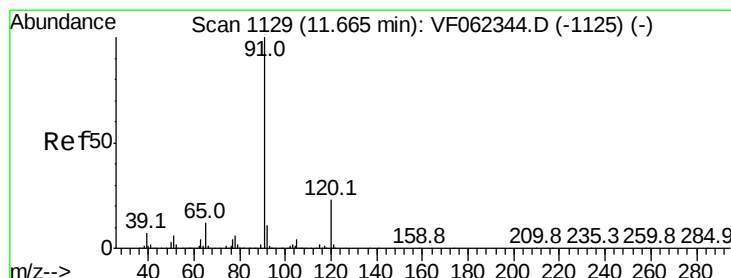
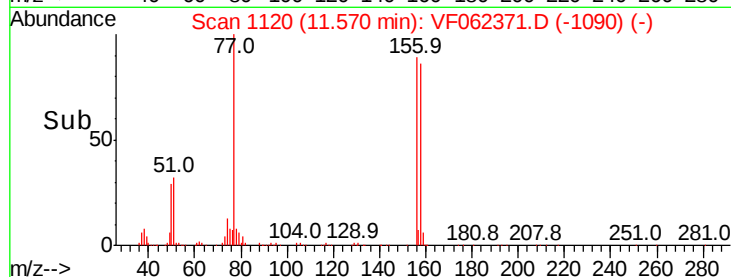
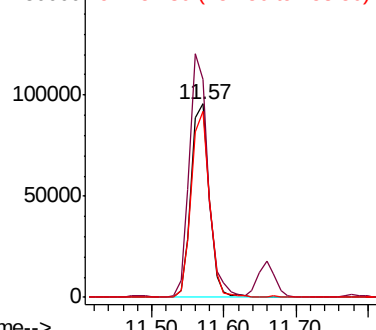
Ion	Ratio	Lower	Upper
156	100		
77	127.6	64.8	194.3
158	96.2	49.1	147.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.776 ug/l

RT: 11.66 min Scan# 1129

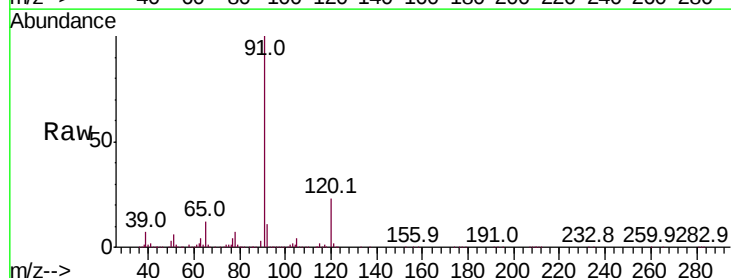
Delta R.T. -0.01 min

Lab File: VF062371.D

Acq: 8 May 2019 11:02

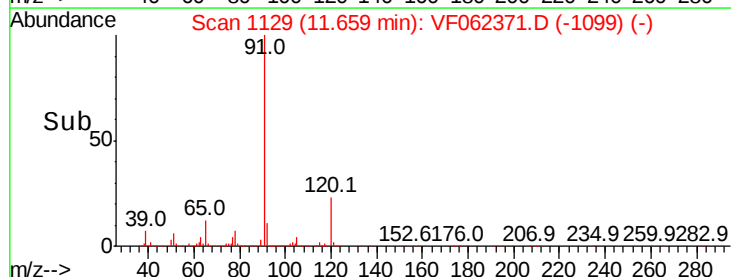
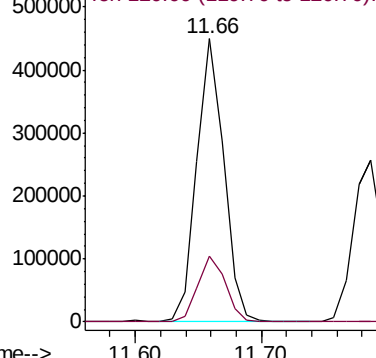
Tgt Ion: 91 Resp: 667653

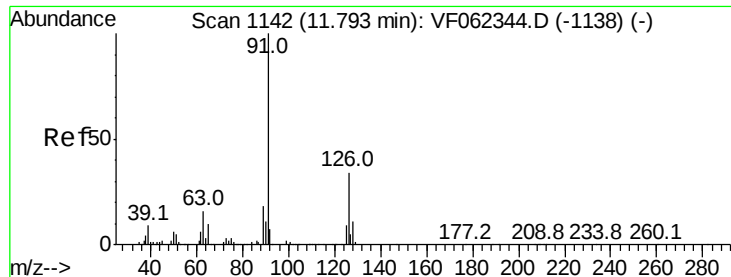
Ion	Ratio	Lower	Upper
91	100		
120	24.0	11.9	35.5



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.880 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. -0.01 min

Lab File: VF062371.D

Acq: 8 May 2019 11:02

Instrument :

MSVOA_F

ClientSampleId :

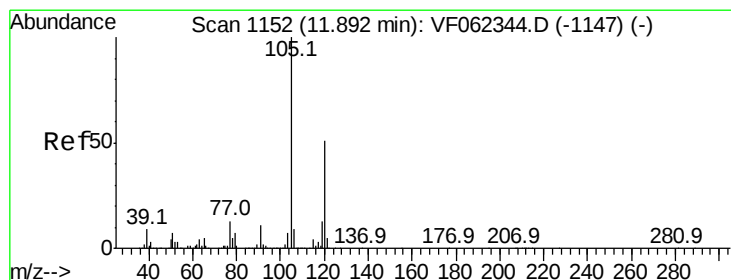
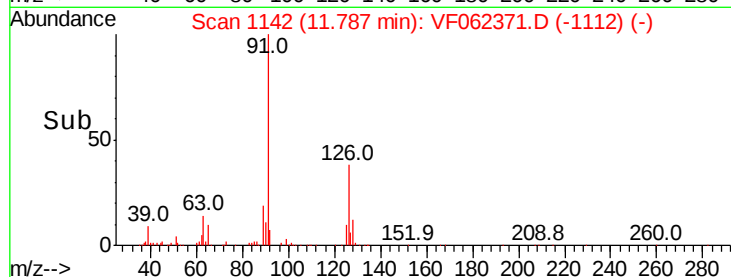
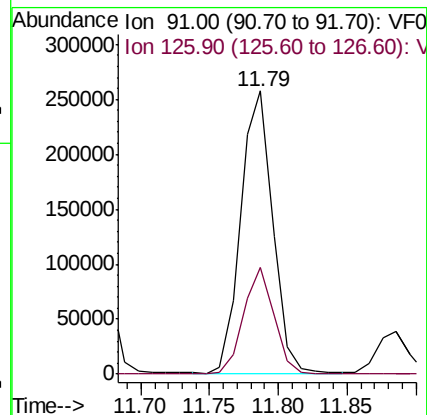
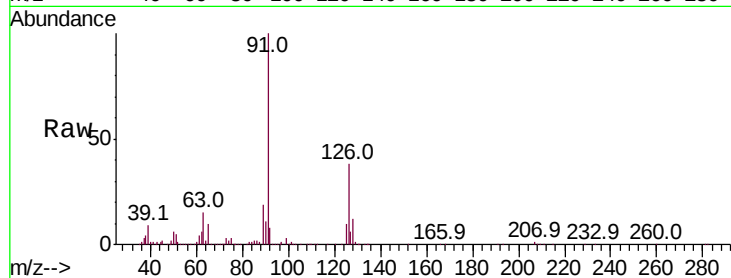
VSTDCCC050

Tot Ion: 91 Resp: 416011

Ion Ratio Lower Upper

91 100

126 36.2 17.8 53.4



#80

1,3,5-Trimethylbenzene

Concen: 50.748 ug/l

RT: 11.89 min Scan# 1152

Delta R.T. -0.01 min

Lab File: VF062371.D

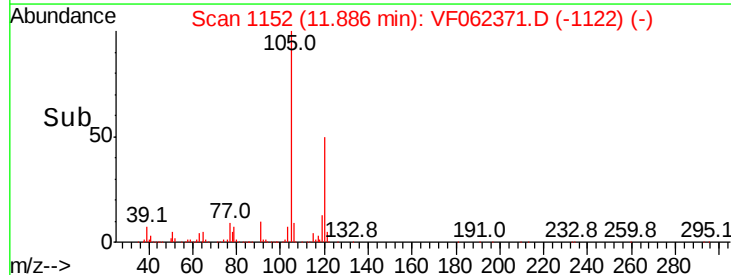
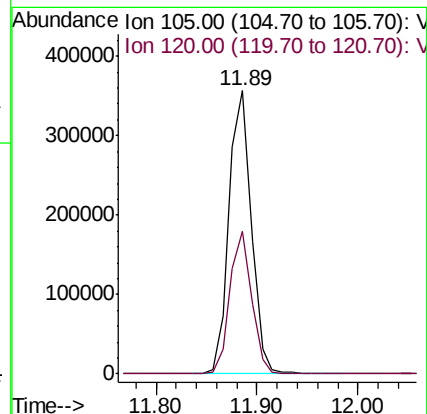
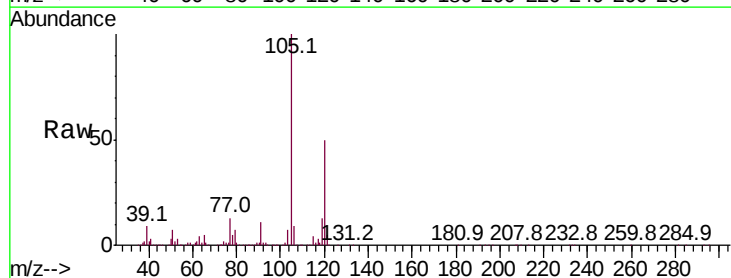
Acq: 8 May 2019 11:02

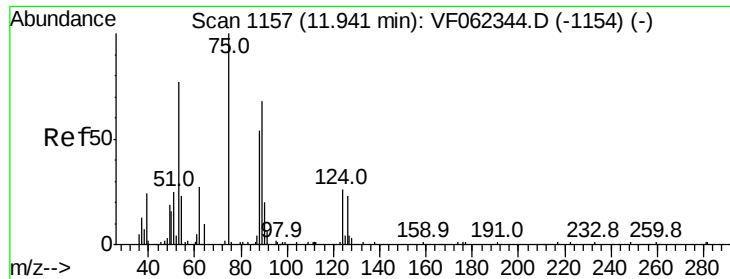
Tgt Ion:105 Resp: 549348

Ion Ratio Lower Upper

105 100

120 48.9 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 51.822 ug/l m

RT: 11.93 min Scan# 1156

Delta R.T. -0.02 min

Lab File: VF062371.D

Acq: 8 May 2019 11:02

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

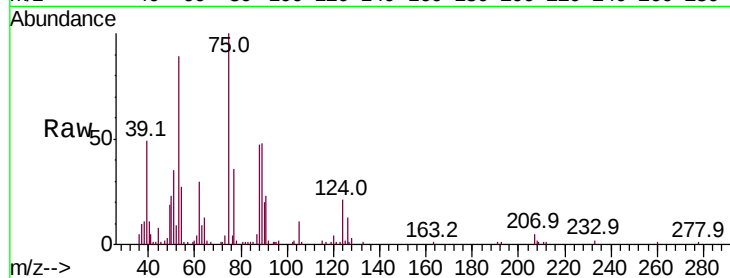
Tot Ion: 75 Resp: 28739

Ion Ratio Lower Upper

75 100

53 86.4 71.9 107.9

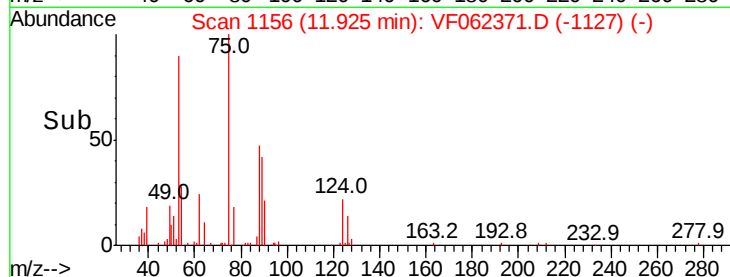
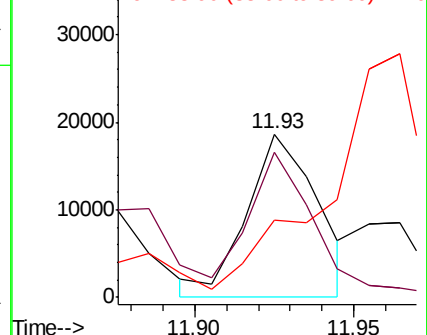
89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 88.90 (88.60 to 89.60): VF0



#82

4-Chlorotoluene

Concen: 51.401 ug/l

RT: 11.96 min Scan# 1160

Delta R.T. -0.01 min

Lab File: VF062371.D

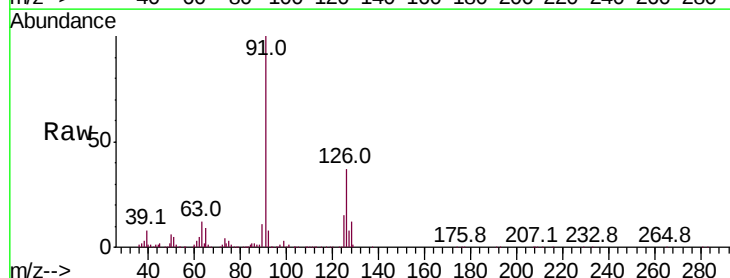
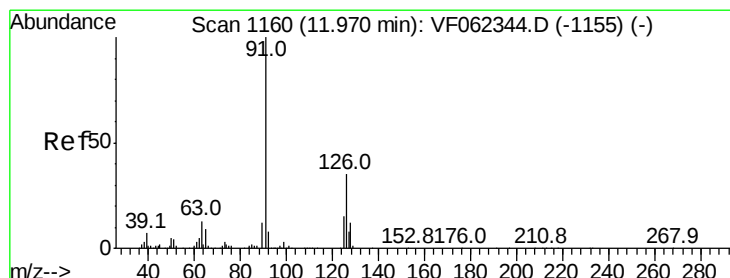
Acq: 8 May 2019 11:02

Tgt Ion: 91 Resp: 415089

Ion Ratio Lower Upper

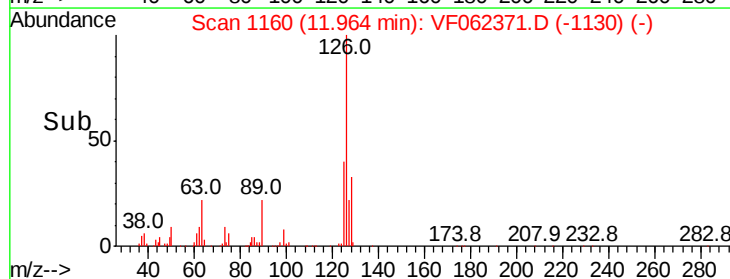
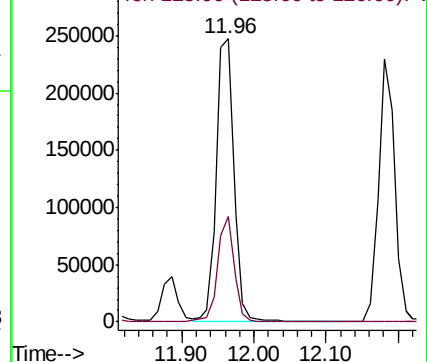
91 100

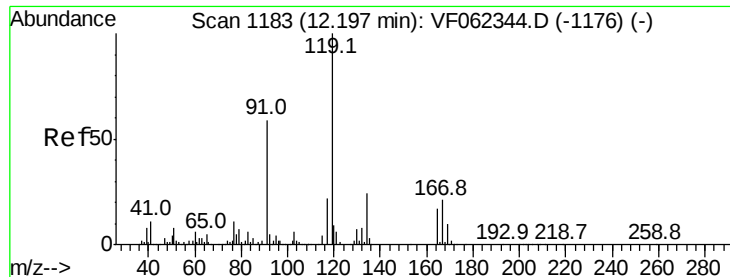
126 35.2 17.7 53.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 53.090 ug/l

RT: 12.18 min Scan# 1182

Delta R.T. -0.02 min

Lab File: VF062371.D

Acq: 8 May 2019 11:02

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

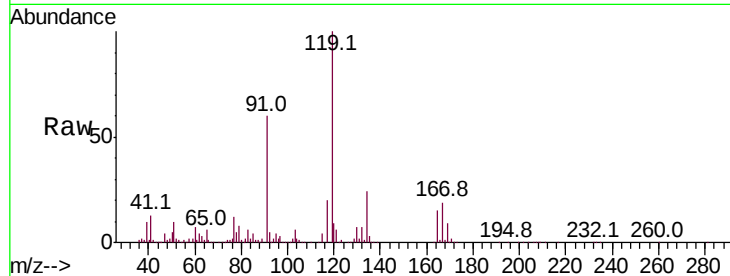
Tot Ion:119 Resp: 603983

Ion Ratio Lower Upper

119 100

91 59.4 30.4 91.3

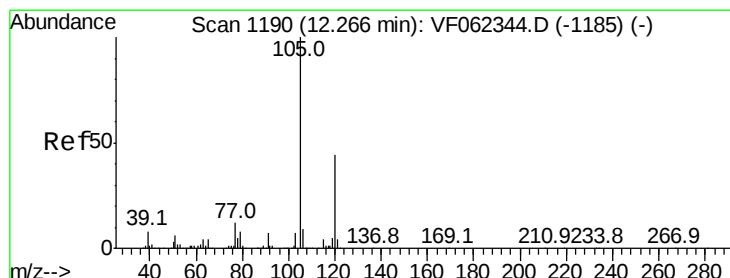
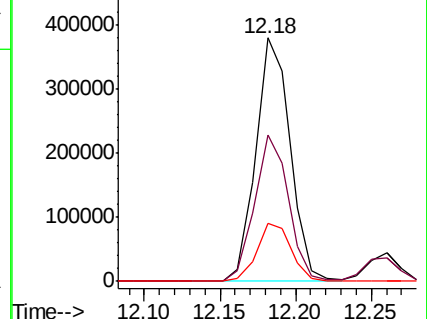
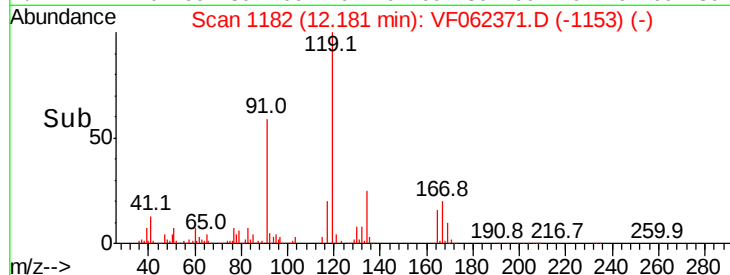
134 23.8 11.9 35.7



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: 49.424 ug/l

RT: 12.26 min Scan# 1190

Delta R.T. -0.01 min

Lab File: VF062371.D

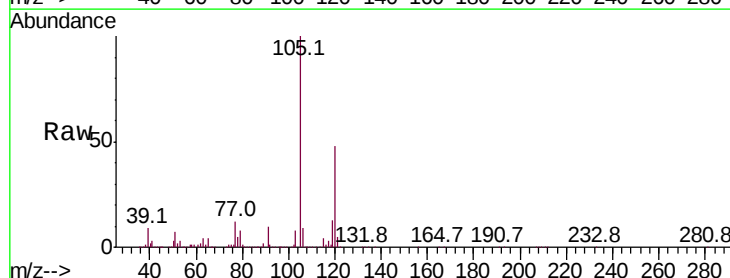
Acq: 8 May 2019 11:02

Tgt Ion:105 Resp: 523575

Ion Ratio Lower Upper

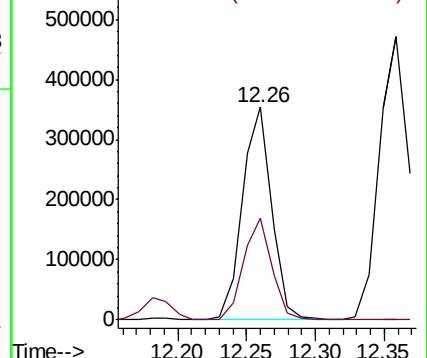
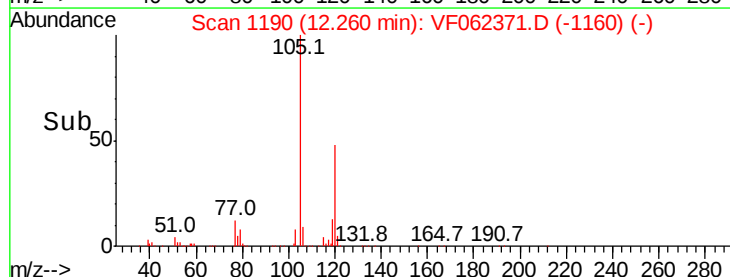
105 100

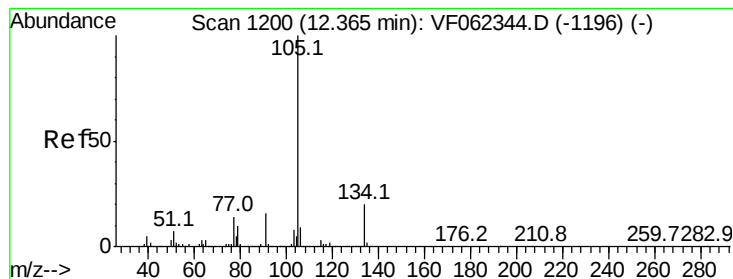
120 46.5 22.6 67.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 51.477 ug/l

RT: 12.36 min Scan# 1200

Delta R.T. -0.01 min

Lab File: VF062371.D

Acq: 8 May 2019 11:02

Instrument :

MSVOA_F

ClientSampled :

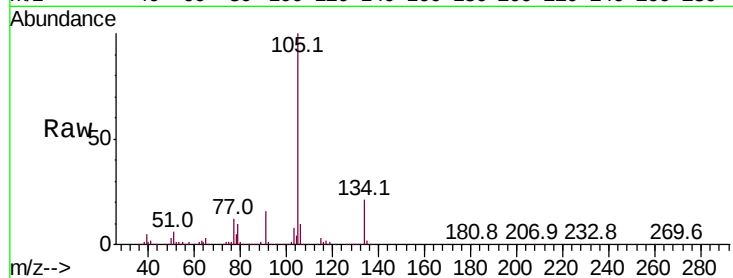
VSTDCCC050

Tot Ion:105 Resp: 712826

Ion Ratio Lower Upper

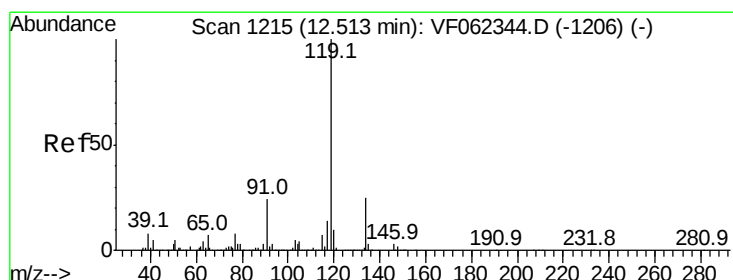
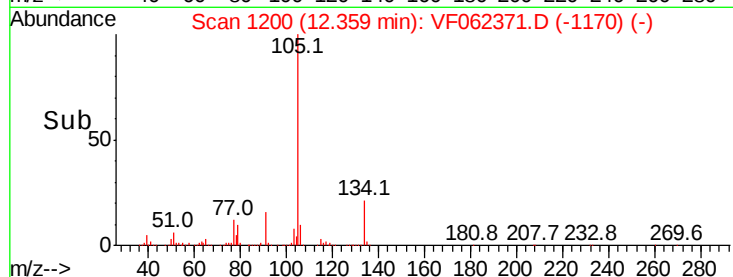
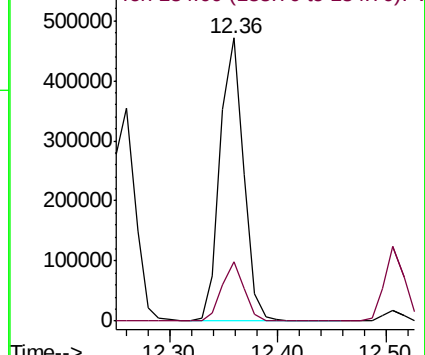
105 100

134 19.8 9.8 29.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 49.374 ug/l

RT: 12.51 min Scan# 1215

Delta R.T. -0.01 min

Lab File: VF062371.D

Acq: 8 May 2019 11:02

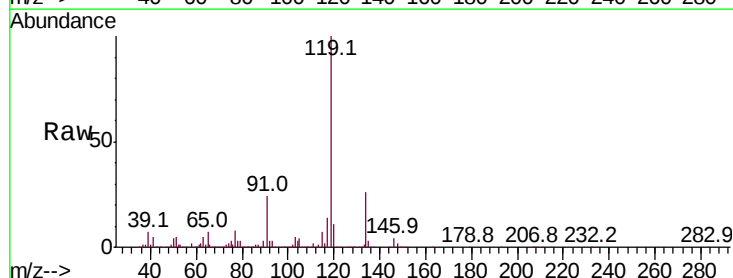
Tgt Ion:119 Resp: 635225

Ion Ratio Lower Upper

119 100

134 25.7 12.9 38.7

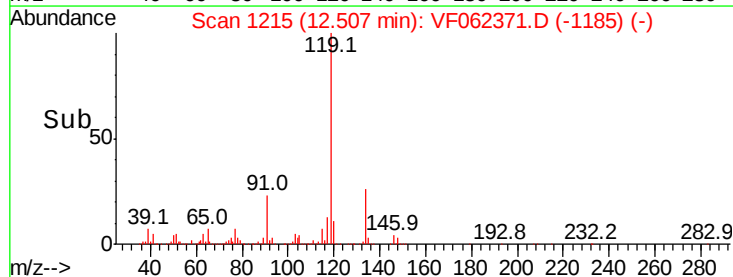
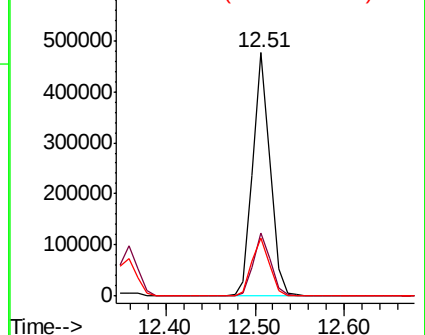
91 24.7 12.3 36.8

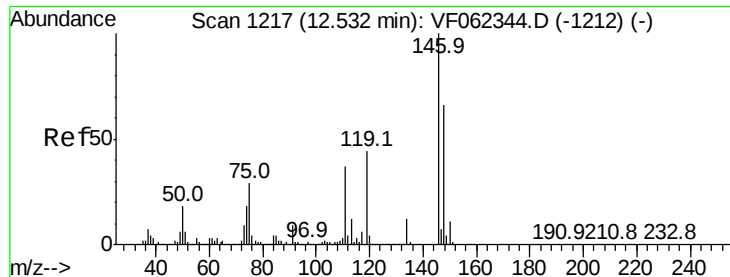


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 47.540 ug/l

RT: 12.53 min Scan# 1217

Delta R.T. -0.01 min

Lab File: VF062371.D

Acq: 8 May 2019 11:02

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

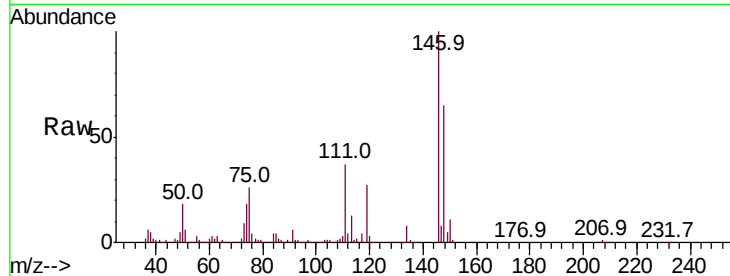
Tot Ion:146 Resp: 281427

Ion Ratio Lower Upper

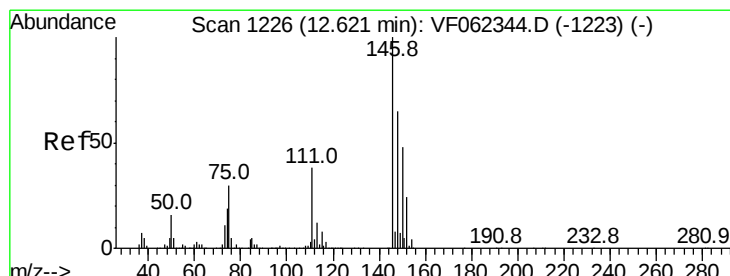
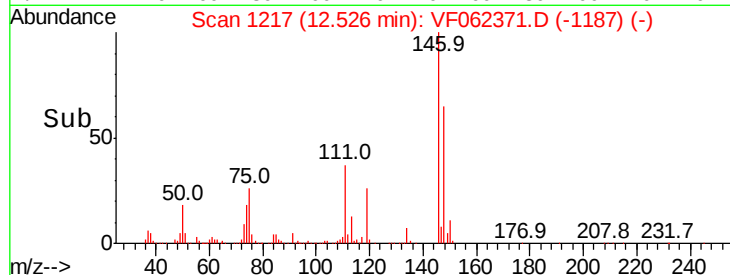
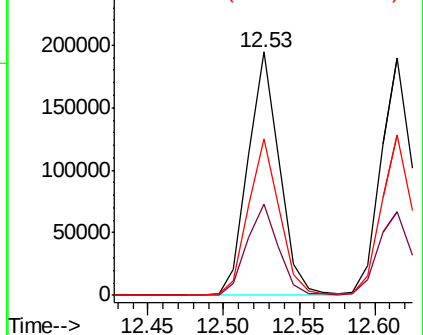
146 100

111 37.8 18.3 54.8

148 64.3 32.3 96.9



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 48.642 ug/l

RT: 12.62 min Scan# 1226

Delta R.T. -0.01 min

Lab File: VF062371.D

Acq: 8 May 2019 11:02

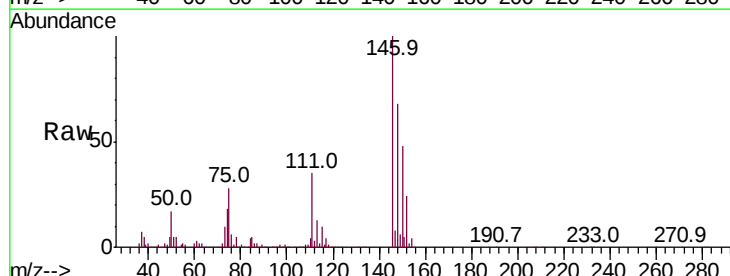
Tgt Ion:146 Resp: 277922

Ion Ratio Lower Upper

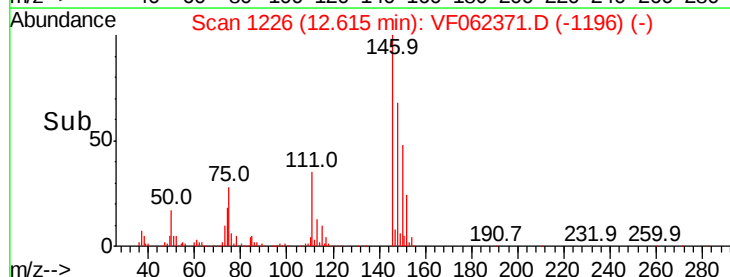
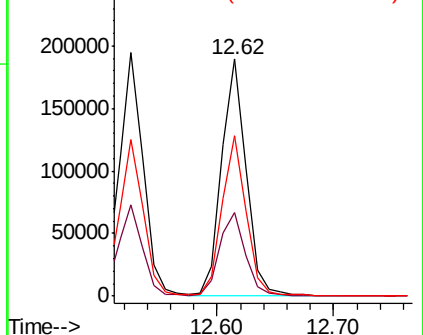
146 100

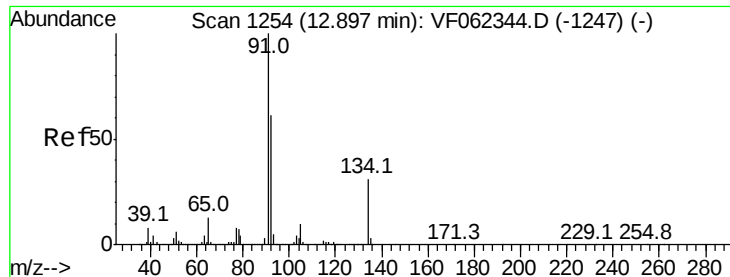
111 37.2 18.8 56.3

148 66.5 32.2 96.6



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 51.097 ug/l

RT: 12.88 min Scan# 1253

Delta R.T. -0.02 min

Lab File: VF062371.D

Acq: 8 May 2019 11:02

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

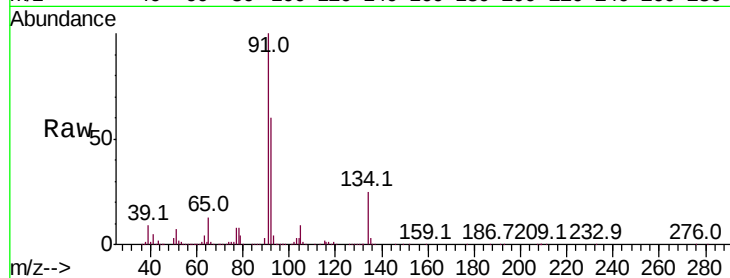
Tot Ion: 91 Resp: 584863

Ion Ratio Lower Upper

91 100

92 58.8 30.0 90.0

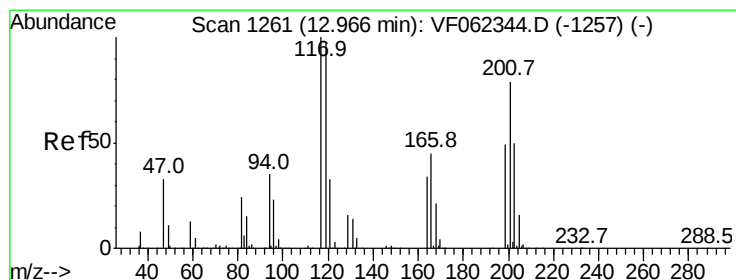
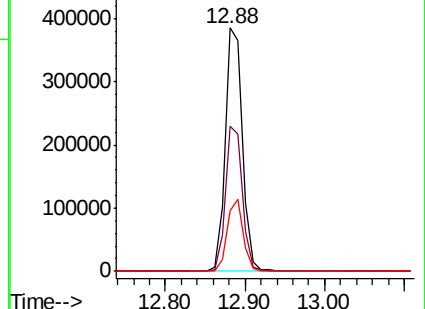
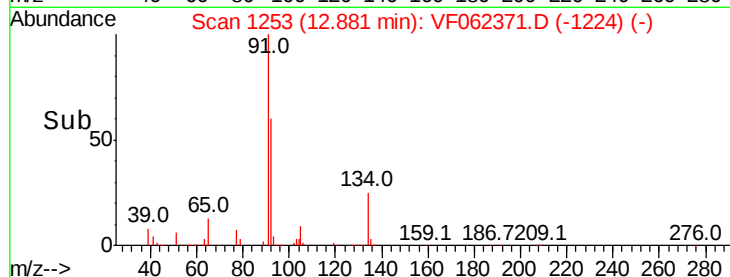
134 27.8 14.1 42.4



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 53.540 ug/l

RT: 12.96 min Scan# 1261

Delta R.T. -0.01 min

Lab File: VF062371.D

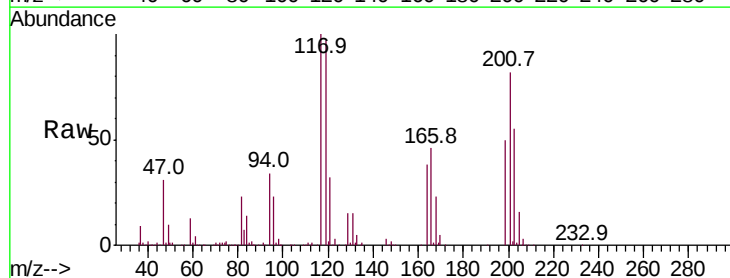
Acq: 8 May 2019 11:02

Tgt Ion: 117 Resp: 171990

Ion Ratio Lower Upper

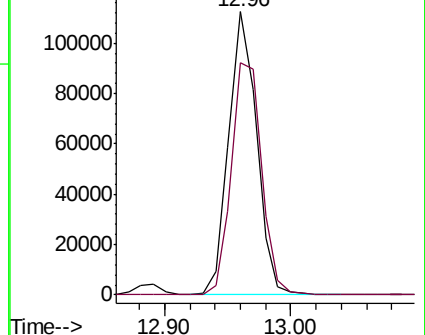
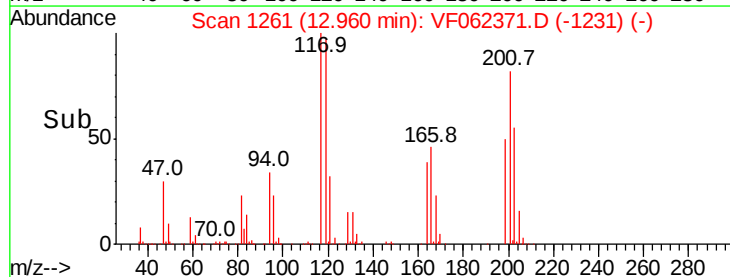
117 100

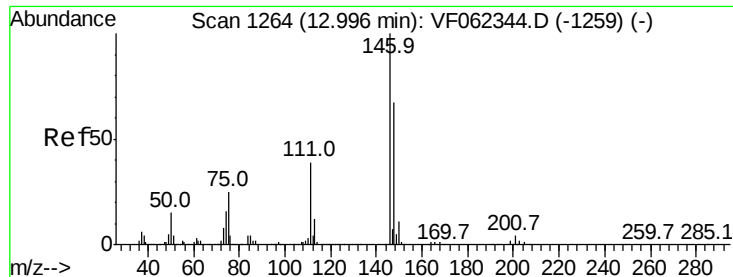
201 89.0 46.2 138.5



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 50.449 ug/l

RT: 12.99 min Scan# 1264

Delta R.T. -0.01 min

Lab File: VF062371.D

Acq: 8 May 2019 11:02

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

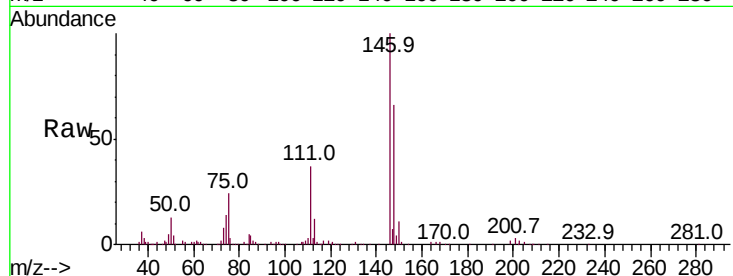
Tot Ion:146 Resp: 289065

Ion Ratio Lower Upper

146 100

111 39.8 20.0 60.0

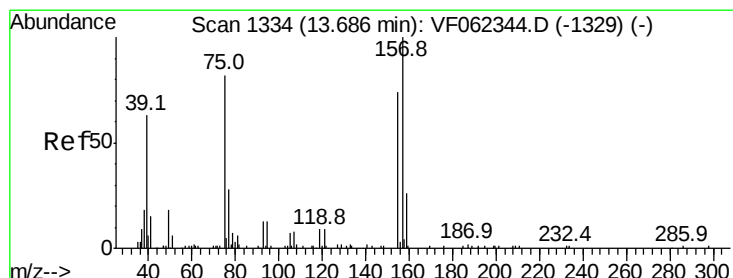
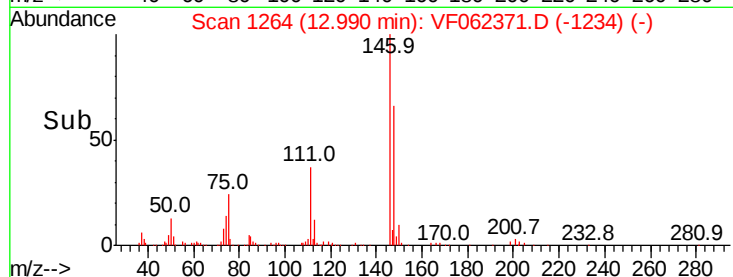
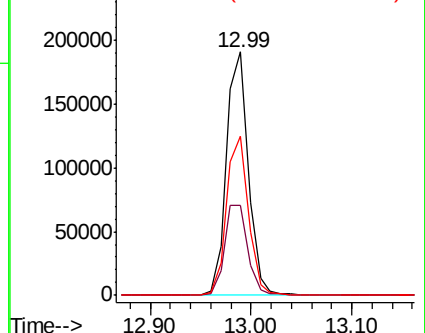
148 65.7 33.1 99.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 52.515 ug/l

RT: 13.68 min Scan# 1334

Delta R.T. -0.01 min

Lab File: VF062371.D

Acq: 8 May 2019 11:02

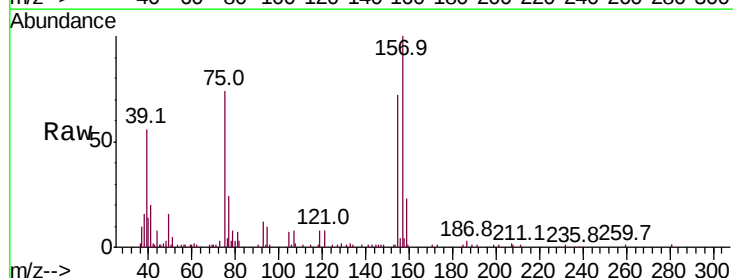
Tgt Ion: 75 Resp: 22751

Ion Ratio Lower Upper

75 100

155 101.6 51.8 155.4

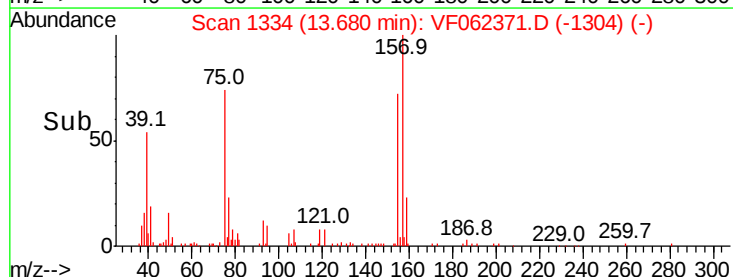
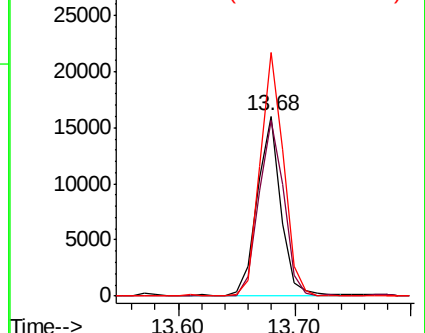
157 132.6 67.3 201.8

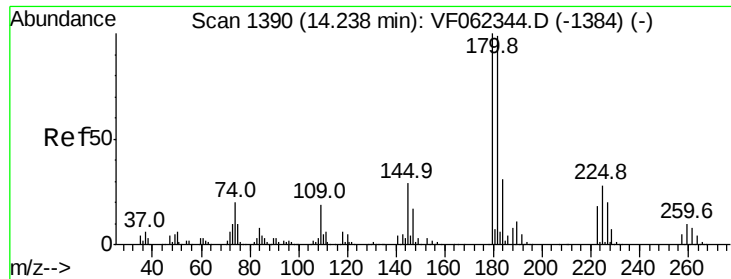


Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

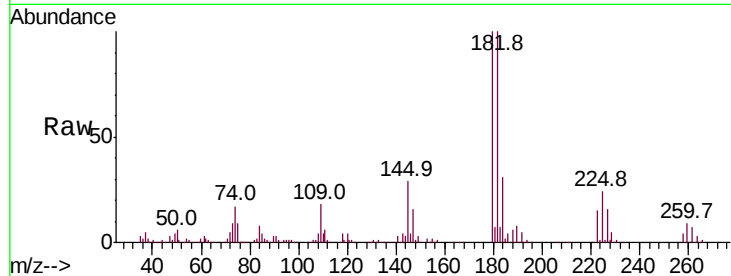




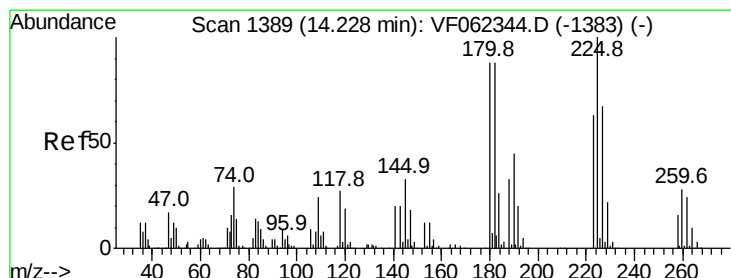
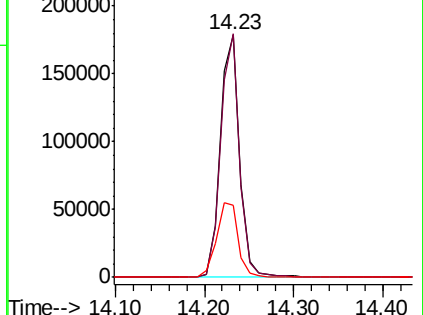
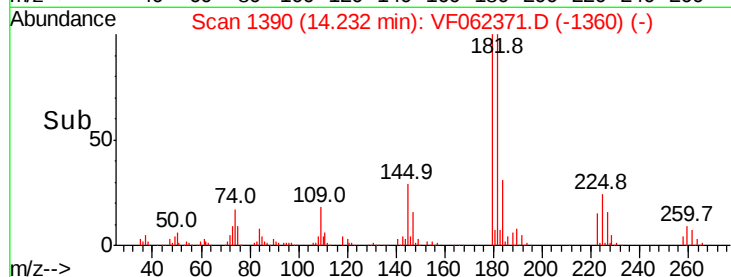
#93
 1,2,4-Trichlorobenzene
 Concen: 53.227 ug/l
 RT: 14.23 min Scan# 1390
 Delta R.T. -0.01 min
 Lab File: VF062371.D
 Acq: 8 May 2019 11:02

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	98.0	49.0	147.0
145	34.3	16.7	50.1

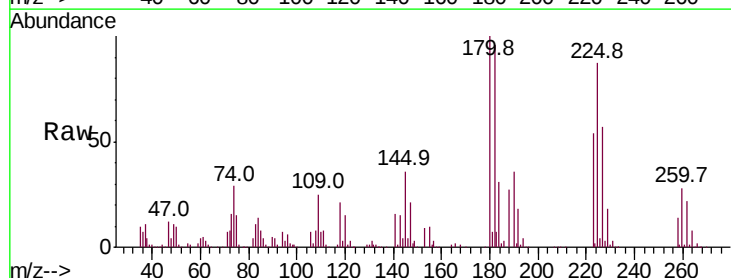


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

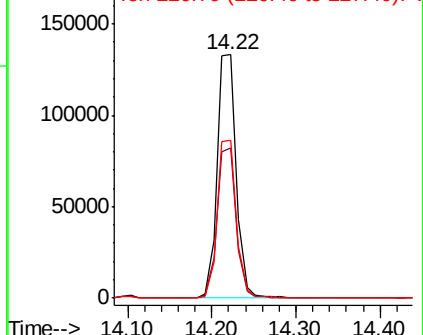
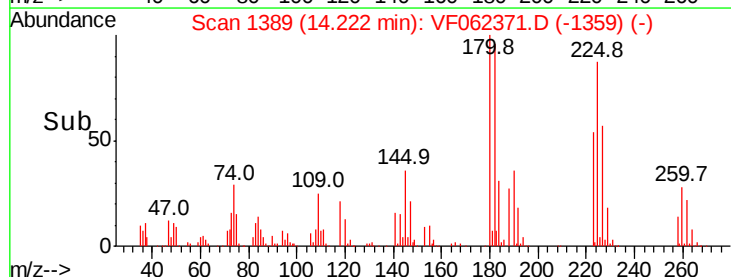


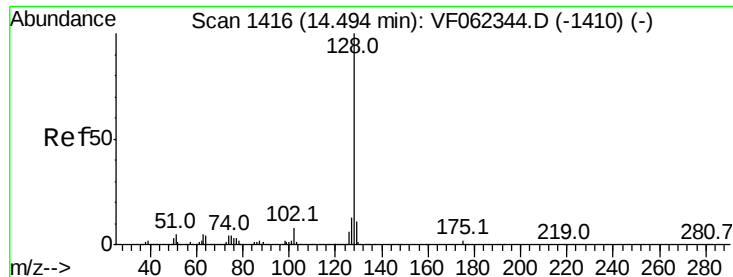
#94
 Hexachlorobutadiene
 Concen: 54.644 ug/l
 RT: 14.22 min Scan# 1389
 Delta R.T. -0.01 min
 Lab File: VF062371.D
 Acq: 8 May 2019 11:02

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.9	31.9	95.5
227	64.7	33.1	99.5



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

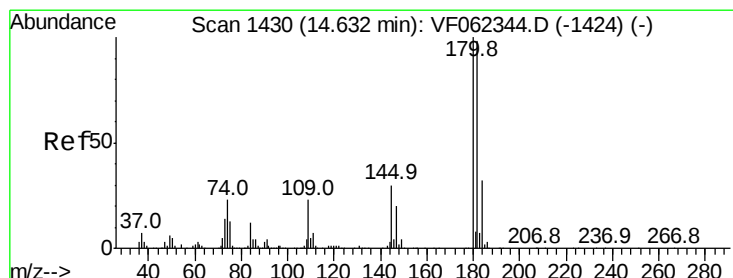
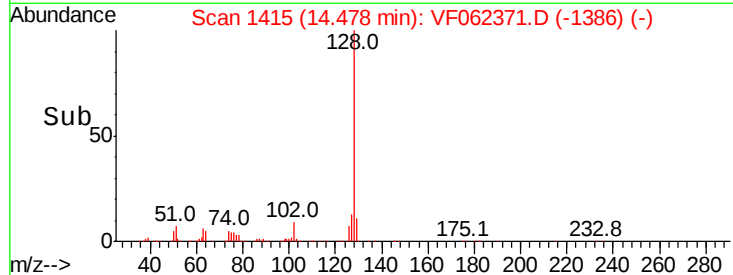
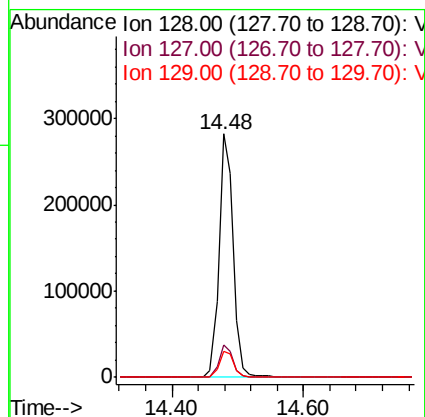
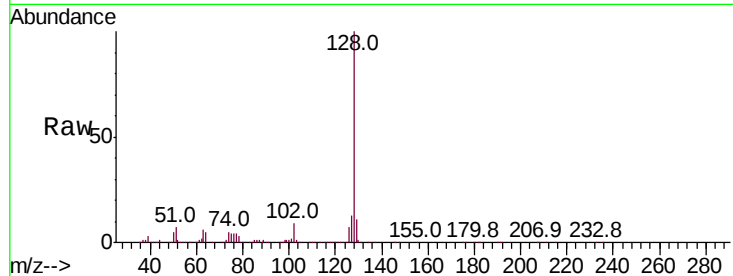




#95
Naphthalene
Concen: 54.067 ug/l
RT: 14.48 min Scan# 1415
Delta R.T. -0.02 min
Lab File: VF062371.D
Acq: 8 May 2019 11:02

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 417756
Ion Ratio Lower Upper
128 100
127 12.9 10.5 15.7
129 11.0 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 53.467 ug/l
RT: 14.63 min Scan# 1430
Delta R.T. -0.01 min
Lab File: VF062371.D
Acq: 8 May 2019 11:02

Tgt Ion:180 Resp: 266215
Ion Ratio Lower Upper
180 100
182 96.7 49.4 148.0
145 29.1 14.8 44.3

