

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051619\
 Data File : VF062622.D
 Acq On : 16 May 2019 12:28
 Operator : FY/SY
 Sample : VSTDIC075
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Quant Time: May 17 05:03:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F051619S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 04:56:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.07	168	760837	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.79	114	1321532	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	979745	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	483656	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.04	65	345566	64.27	ug/l	0.00
Spiked Amount			Recovery	=	128.54%	
35) Dibromofluoromethane	4.32	113	634838	62.78	ug/l	0.00
Spiked Amount			Recovery	=	125.56%	
50) Toluene-d8	7.72	98	1499445	62.10	ug/l	0.00
Spiked Amount			Recovery	=	124.20%	
62) 4-Bromofluorobenzene	11.50	95	573500	62.63	ug/l	0.00
Spiked Amount			Recovery	=	125.26%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.01	85	659598	63.706	ug/l	97
3) Chloromethane	1.16	50	632941	66.390	ug/l	94
4) Vinyl Chloride	1.19	62	590886	67.333	ug/l	100
5) Bromomethane	1.40	94	308762	64.314	ug/l	98
6) Chloroethane	1.45	64	216205	67.082	ug/l	93
7) Trichlorofluoromethane	1.56	101	813980	73.323	ug/l #	80
8) Diethyl Ether	1.72	74	163702	70.128	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	1.90	101	232198	30.947	ug/l #	84
10) Methyl Iodide	1.99	142	966219	65.556	ug/l	99
11) Tert butyl alcohol	2.70	59	118096	332.704	ug/l	99
12) 1,1-Dichloroethene	1.87	96	459192	67.184	ug/l	82
13) Acrolein	2.10	56	134958	364.234	ug/l	97
14) Allyl chloride	2.20	41	537272	80.005	ug/l	94
15) Acrylonitrile	3.10	53	307587	307.196	ug/l	95
16) Acetone	2.36	43	503412	360.914	ug/l	96
17) Carbon Disulfide	1.93	76	1404612	72.124	ug/l	97
18) Methyl Acetate	2.47	43	145255	60.937	ug/l	93
19) Methyl tert-butyl Ether	2.55	73	851972	69.729	ug/l	98
20) Methylene Chloride	2.35	84	267858	38.536	ug/l	97
21) trans-1,2-Dichloroethene	2.44	96	468886	70.188	ug/l	91
22) Diisopropyl ether	2.95	45	1001301	65.630	ug/l	97
23) Vinyl Acetate	3.35	43	3298695	320.517	ug/l	99
24) 1,1-Dichloroethane	3.02	63	754191	67.385	ug/l	98
25) 2-Butanone	4.54	43	973823	326.782	ug/l	97
26) 2,2-Dichloropropane	3.79	77	424357	66.266	ug/l	91
27) cis-1,2-Dichloroethene	3.66	96	717436	65.288	ug/l	99
28) Bromochloromethane	3.92	49	429280	68.387	ug/l	94
29) Tetrahydrofuran	4.28	42	392756	325.691	ug/l	97
30) Chloroform	4.06	83	1024401	65.922	ug/l	98
31) Cyclohexane	3.90	56	1005564	72.166	ug/l	97
32) 1,1,1-Trichloroethane	4.30	97	713525	69.139	ug/l	95
36) 1,1-Dichloropropene	4.49	75	848215	62.638	ug/l	99
37) Ethyl Acetate	4.31	43	330921	59.851	ug/l	96
38) Carbon Tetrachloride	4.20	117	689824	72.304	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051619\
 Data File : VF062622.D
 Acq On : 16 May 2019 12:28
 Operator : FY/SY
 Sample : VSTDIC075
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Quant Time: May 17 05:03:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F051619S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 04:56:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	996382	61.150	ug/l	93
40) Benzene	4.83	78	2273547	61.629	ug/l	100
41) Methacrylonitrile	4.94	41	176808	60.995	ug/l	89
42) 1,2-Dichloroethane	5.14	62	477722	64.937	ug/l	97
43) Isopropyl Acetate	7.12	43	429186	59.916	ug/l #	96
44) Trichloroethene	5.70	130	626639	60.437	ug/l	93
45) 1,2-Dichloropropane	6.42	63	584318	62.745	ug/l	99
46) Dibromomethane	6.27	93	332779	61.832	ug/l	95
47) Bromodichloromethane	6.57	83	697509	62.428	ug/l	96
48) Methyl methacrylate	6.88	41	227510	60.766	ug/l	94
49) 1,4-Dioxane	6.88	88	59510	1240.998	ug/l	97
51) 4-Methyl-2-Pentanone	8.41	43	1447006	295.533	ug/l	99
52) Toluene	7.79	92	1207878	62.431	ug/l	98
53) t-1,3-Dichloropropene	8.43	75	595432	65.139	ug/l	95
54) cis-1,3-Dichloropropene	7.47	75	817098	63.857	ug/l	98
55) 1,1,2-Trichloroethane	8.65	97	362626	63.302	ug/l	98
56) Ethyl methacrylate	8.76	69	408630	59.874	ug/l	100
57) 1,3-Dichloropropane	9.00	76	600586	61.552	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.45	63	751124	338.120	ug/l	100
59) 2-Hexanone	9.63	43	1038737	290.161	ug/l	96
60) Dibromochloromethane	8.86	129	490279	65.668	ug/l	97
61) 1,2-Dibromoethane	9.14	107	400841	65.879	ug/l	98
64) Tetrachloroethene	8.31	164	504033	64.938	ug/l	97
65) Chlorobenzene	9.94	112	1247971	64.853	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.07	131	502093	64.995	ug/l	97
67) Ethyl Benzene	10.04	91	2092251	62.587	ug/l	99
68) m/p-Xylenes	10.26	106	1577223	125.532	ug/l	98
69) o-Xylene	10.83	106	878172	67.858	ug/l	93
70) Styrene	10.89	104	1305588	66.374	ug/l	99
71) Bromoform	10.88	173	281022	72.634	ug/l #	99
73) Isopropylbenzene	11.22	105	2193637	63.282	ug/l	98
74) N-amyl acetate	11.46	43	591788	55.338	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.77	83	450072	63.532	ug/l	99
76) 1,2,3-Trichloropropane	11.87	75	297162	63.841	ug/l	87
77) Bromobenzene	11.58	156	571659	66.345	ug/l	96
78) n-propylbenzene	11.67	91	2563792	62.495	ug/l	97
79) 2-Chlorotoluene	11.80	91	1499815	64.871	ug/l	97
80) 1,3,5-Trimethylbenzene	11.90	105	1759132	63.288	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.94	75	166342	64.321	ug/l	95
82) 4-Chlorotoluene	11.98	91	1479862	64.909	ug/l	100
83) tert-Butylbenzene	12.21	119	1802115	63.905	ug/l	100
84) 1,2,4-Trimethylbenzene	12.27	105	1674518	62.244	ug/l	97
85) sec-Butylbenzene	12.37	105	2391495	63.192	ug/l	97
86) p-Isopropyltoluene	12.52	119	1990760	62.418	ug/l	96
87) 1,3-Dichlorobenzene	12.54	146	964135	61.847	ug/l	98
88) 1,4-Dichlorobenzene	12.63	146	926003	63.299	ug/l	98
89) n-Butylbenzene	12.90	91	1932371	61.451	ug/l	98
90) Hexachloroethane	12.97	117	527994	69.010	ug/l	93
91) 1,2-Dichlorobenzene	13.00	146	899616	64.739	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.69	75	58813	69.592	ug/l	99

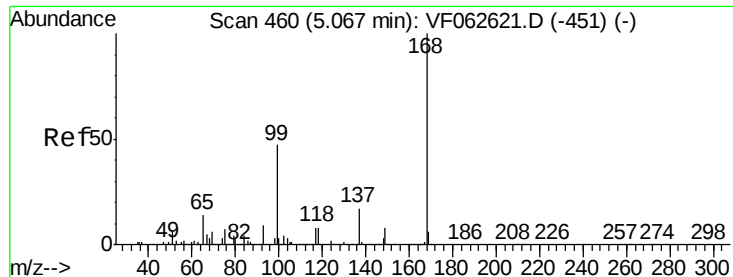
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF051619\
Data File : VF062622.D
Acq On : 16 May 2019 12:28
Operator : FY/SY
Sample : VSTDICC075
Misc : 5.00g/5mL/MSVOA F/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VSTDICC075

Quant Time: May 17 05:03:27 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F051619S.M
Quant Title : SW846 8260
QLast Update : Fri May 17 04:56:17 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	622113	62.545	ug/l	95
94) Hexachlorobutadiene	14.24	225	461944	66.548	ug/l	95
95) Naphthalene	14.49	128	1174530	64.998	ug/l	99
96) 1,2,3-Trichlorobenzene	14.64	180	668382	70.941	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.07 min Scan# 460

Delta R.T. 0.00 min

Lab File: VF062622.D

Acq: 16 May 2019 12:28

Instrument :

MSVOA_F

ClientSampleId :

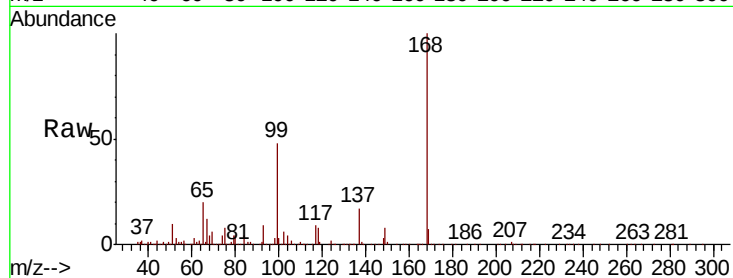
VSTDIC075

Tot Ion:168 Resp: 760837

Ion Ratio Lower Upper

168 100

99 48.1 37.8 56.8



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.07

250000

200000

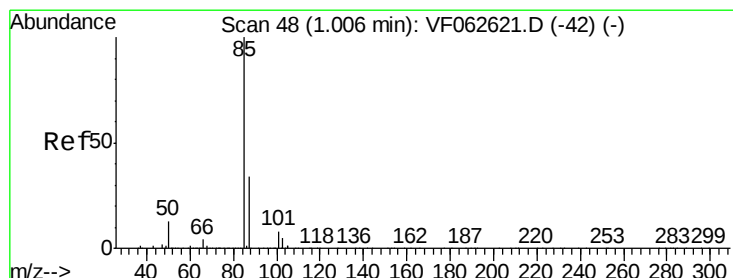
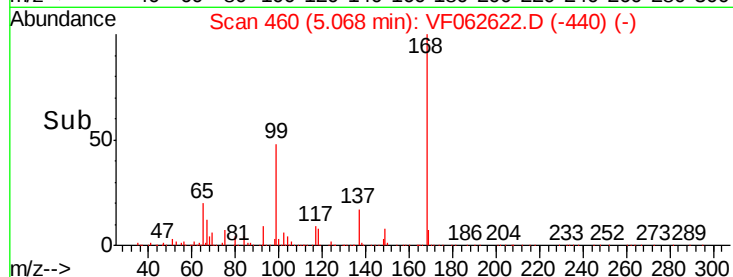
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 63.706 ug/l

RT: 1.01 min Scan# 48

Delta R.T. 0.00 min

Lab File: VF062622.D

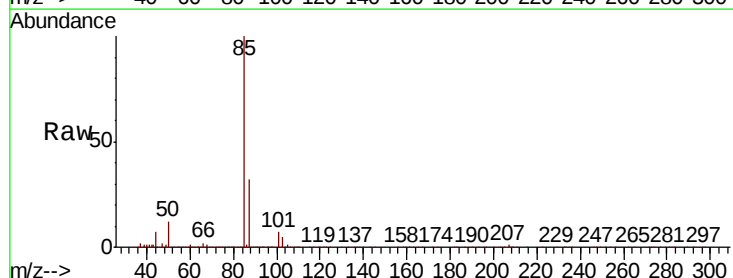
Acq: 16 May 2019 12:28

Tgt Ion: 85 Resp: 659598

Ion Ratio Lower Upper

85 100

87 31.7 16.8 50.3



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

1.01

200000

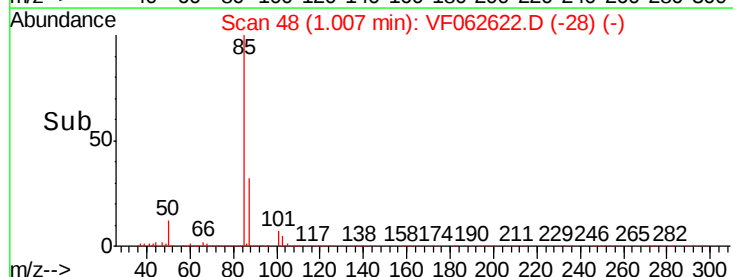
150000

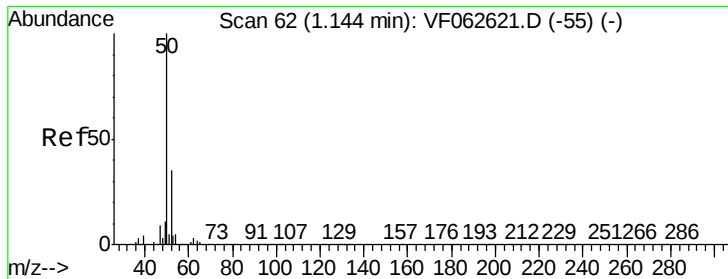
100000

50000

0

Time-->





#3

Chloromethane

Concen: 66.390 ug/l

RT: 1.16 min Scan# 63

Delta R.T. 0.01 min

Lab File: VF062622.D

Acq: 16 May 2019 12:28

Instrument :

MSVOA_F

ClientSampleId :

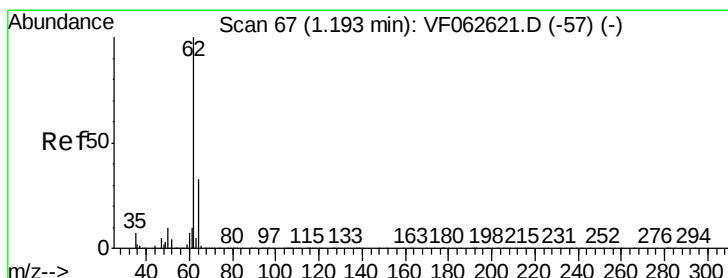
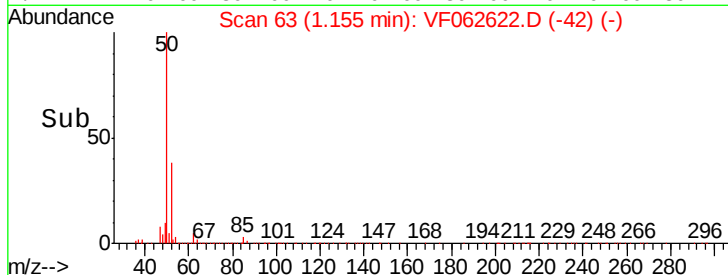
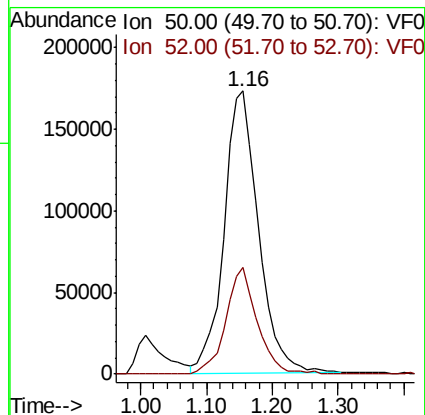
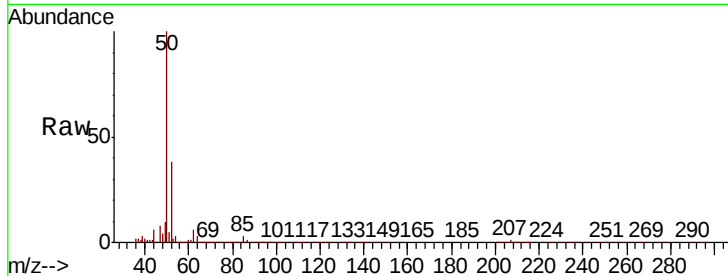
VSTDIC075

Tot Ion: 50 Resp: 632941

Ion Ratio Lower Upper

50 100

52 37.7 27.5 41.3



#4

Vinyl Chloride

Concen: 67.333 ug/l

RT: 1.19 min Scan# 67

Delta R.T. 0.00 min

Lab File: VF062622.D

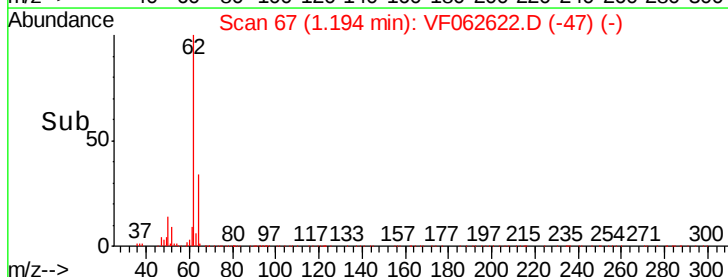
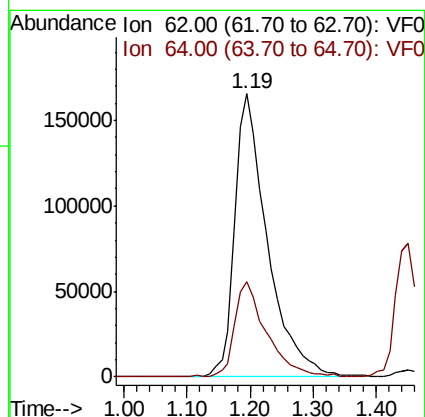
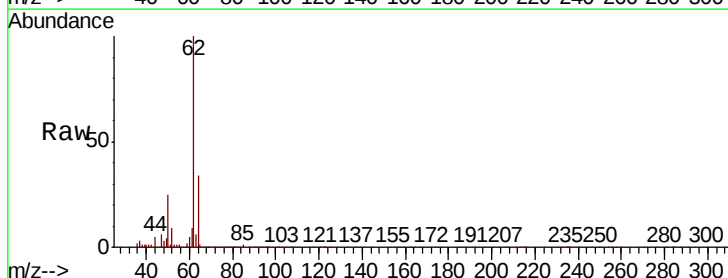
Acq: 16 May 2019 12:28

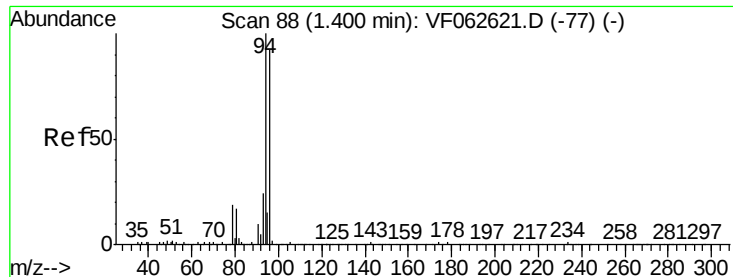
Tgt Ion: 62 Resp: 590886

Ion Ratio Lower Upper

62 100

64 33.6 26.7 40.1





#5

Bromomethane

Concen: 64.314 ug/l

RT: 1.40 min Scan# 88

Delta R.T. 0.00 min

Lab File: VF062622.D

Acq: 16 May 2019 12:28

Instrument :

MSVOA_F

ClientSampleId :

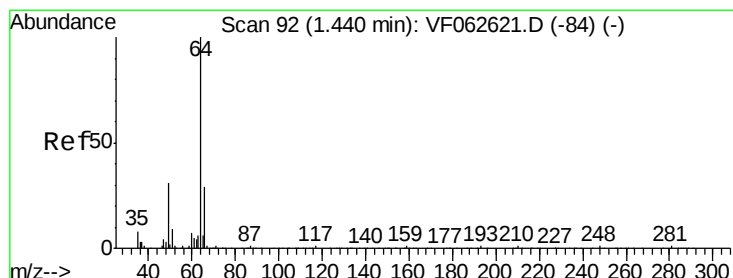
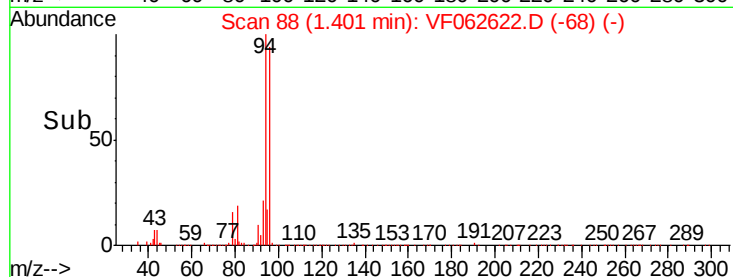
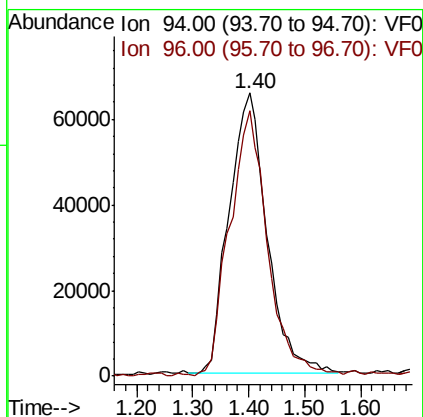
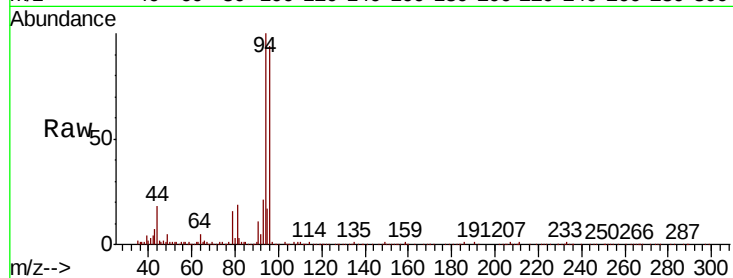
VSTDIC075

Tot Ion: 94 Resp: 308762

Ion Ratio Lower Upper

94 100

96 93.7 73.2 109.8



#6

Chloroethane

Concen: 67.082 ug/l

RT: 1.45 min Scan# 93

Delta R.T. 0.01 min

Lab File: VF062622.D

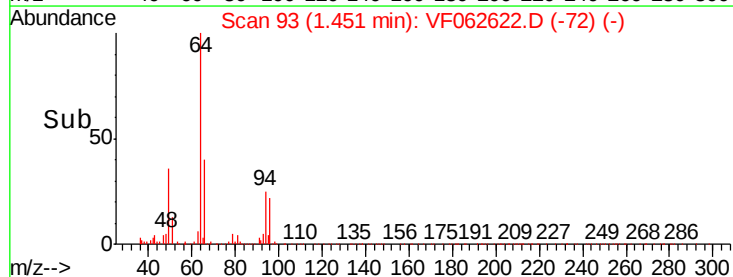
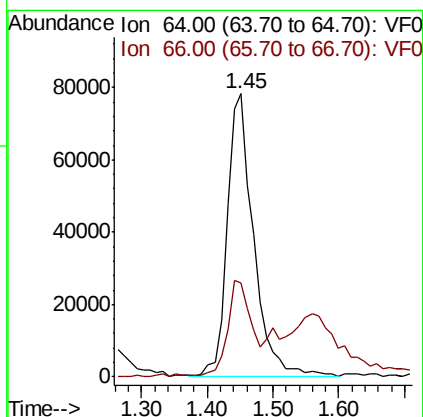
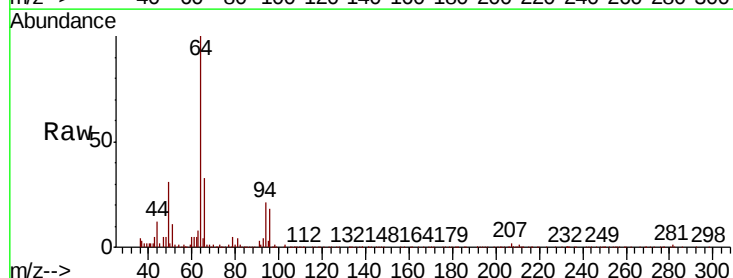
Acq: 16 May 2019 12:28

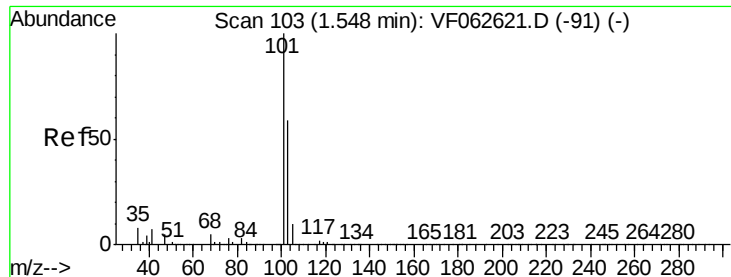
Tgt Ion: 64 Resp: 216205

Ion Ratio Lower Upper

64 100

66 33.2 23.4 35.2



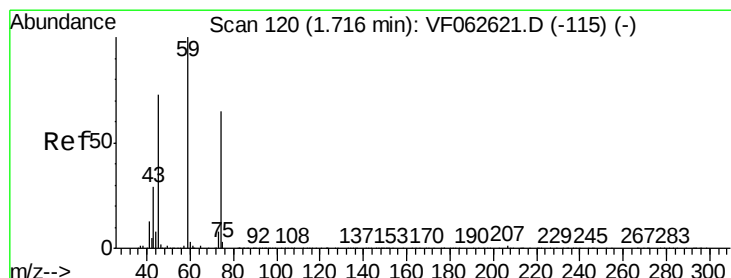
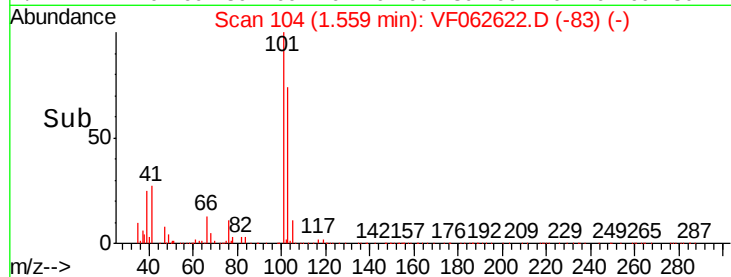
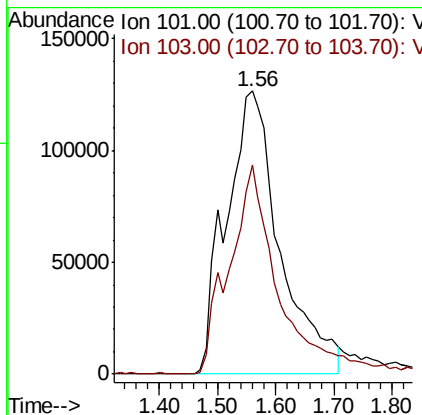
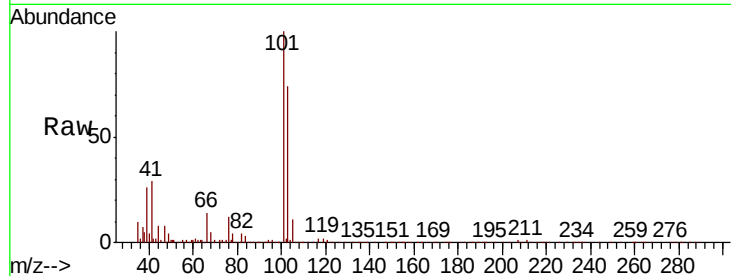


#7

Trichlorofluoromethane
 Concen: 73.323 ug/l
 RT: 1.56 min Scan# 104
 Delta R.T. 0.01 min
 Lab File: VF062622.D
 Acq: 16 May 2019 12:28

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

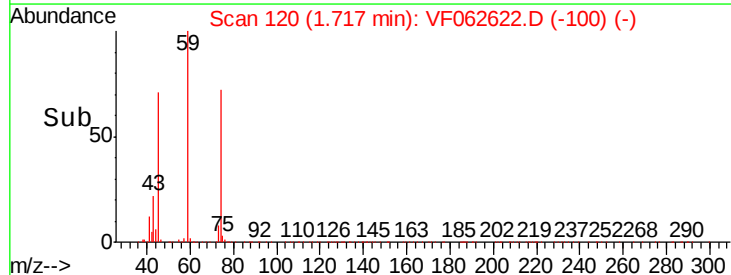
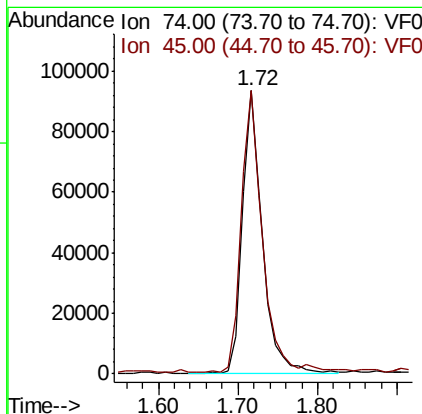
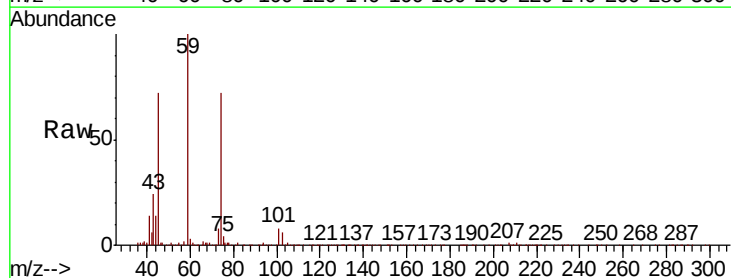
Tot Ion:101 Resp: 813980
 Ion Ratio Lower Upper
 101 100
 103 74.1 47.3 70.9#

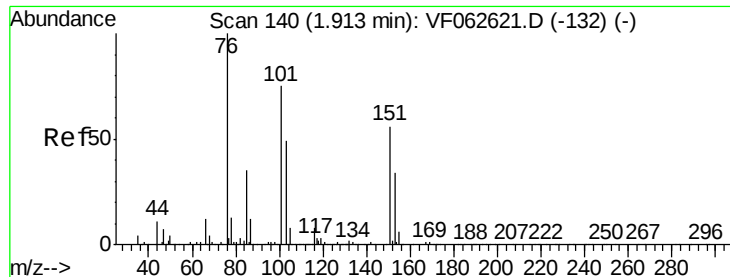


#8

Diethyl Ether
 Concen: 70.128 ug/l
 RT: 1.72 min Scan# 120
 Delta R.T. 0.00 min
 Lab File: VF062622.D
 Acq: 16 May 2019 12:28

Tgt Ion: 74 Resp: 163702
 Ion Ratio Lower Upper
 74 100
 45 99.9 57.0 170.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 30.947 ug/l

RT: 1.90 min Scan# 139

Delta R.T. -0.01 min

Lab File: VF062622.D

Acq: 16 May 2019 12:28

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

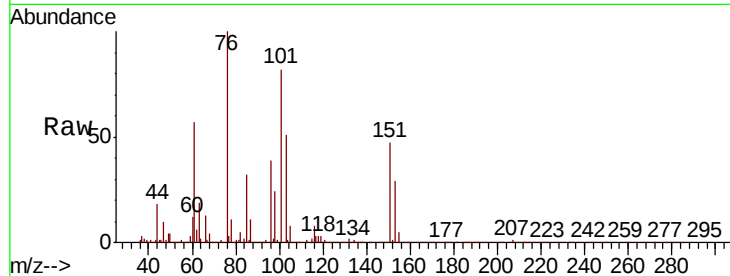
Tot Ion:101 Resp: 232198

Ion Ratio Lower Upper

101 100

85 39.5 37.1 55.7

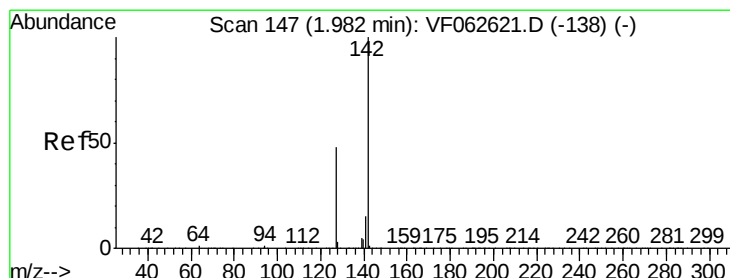
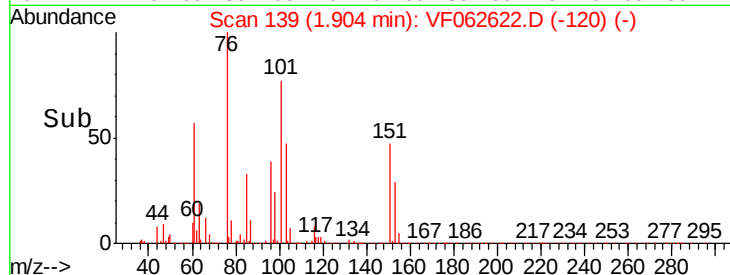
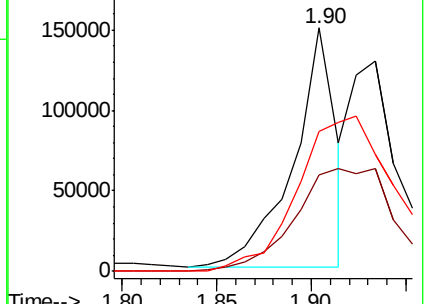
151 57.2 58.8 88.2#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 65.556 ug/l

RT: 1.99 min Scan# 148

Delta R.T. 0.01 min

Lab File: VF062622.D

Acq: 16 May 2019 12:28

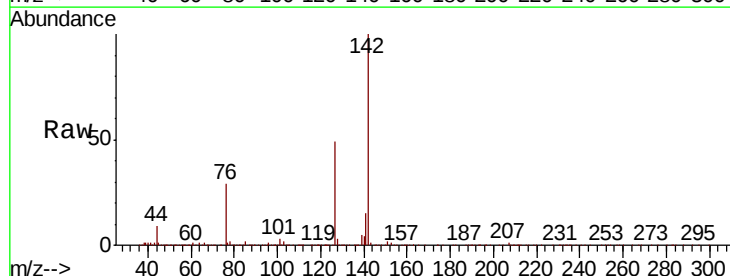
Tgt Ion:142 Resp: 966219

Ion Ratio Lower Upper

142 100

127 48.9 38.1 57.1

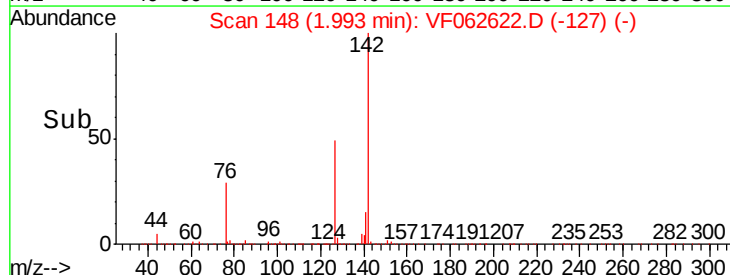
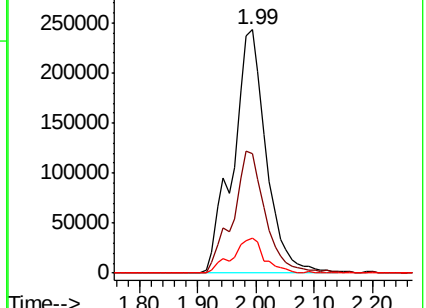
141 14.6 11.7 17.5

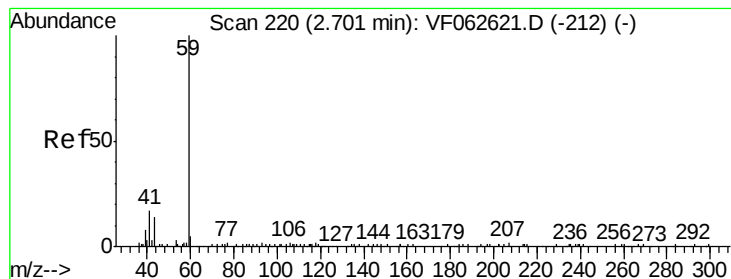


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



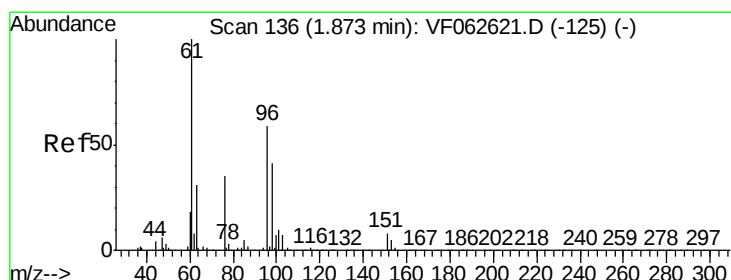
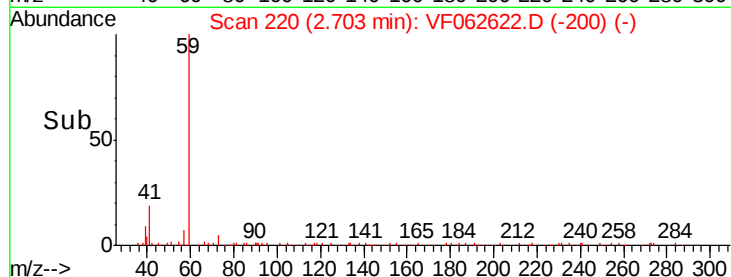
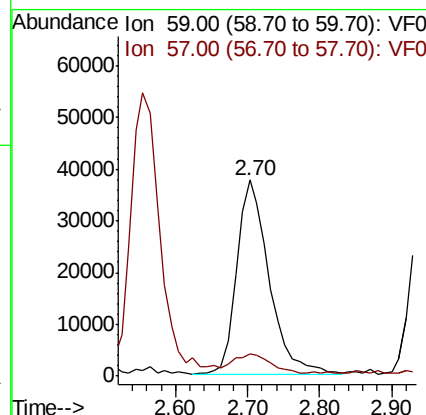
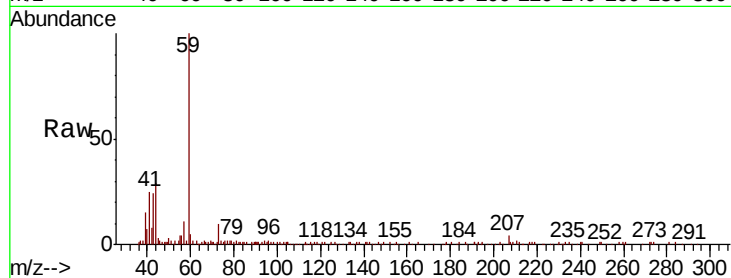


#11

Tert butyl alcohol
 Concen: 332.704 ug/l
 RT: 2.70 min Scan# 220
 Delta R.T. 0.00 min
 Lab File: VF062622.D
 Acq: 16 May 2019 12:28

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

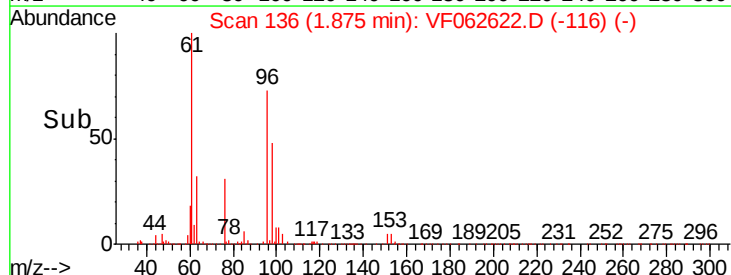
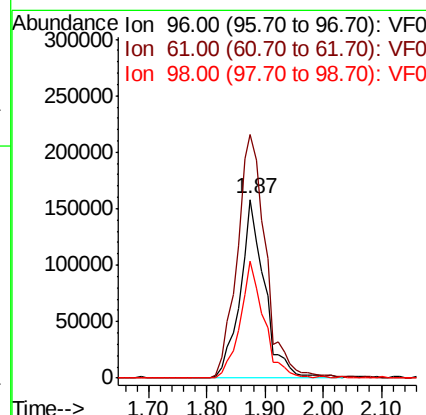
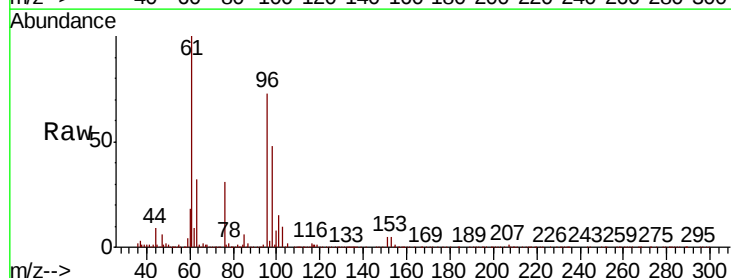
Tot Ion: 59 Resp: 118096
 Ion Ratio Lower Upper
 59 100
 57 11.3 9.3 13.9

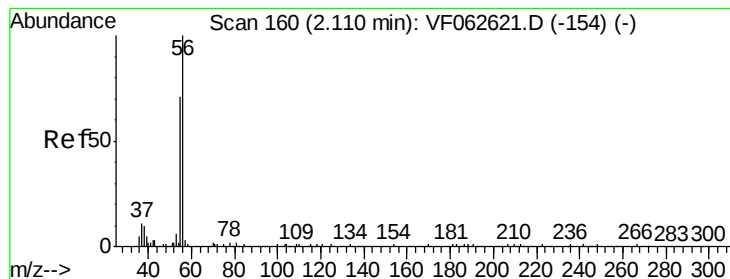


#12

1,1-Dichloroethene
 Concen: 67.184 ug/l
 RT: 1.87 min Scan# 136
 Delta R.T. 0.00 min
 Lab File: VF062622.D
 Acq: 16 May 2019 12:28

Tgt Ion: 96 Resp: 459192
 Ion Ratio Lower Upper
 96 100
 61 136.3 134.3 201.5
 98 65.1 55.0 82.6





#13

Acrolein

Concen: 364.234 ug/l

RT: 2.10 min Scan# 159

Delta R.T. -0.01 min

Lab File: VF062622.D

Acq: 16 May 2019 12:28

Instrument :

MSVOA_F

ClientSampleId :

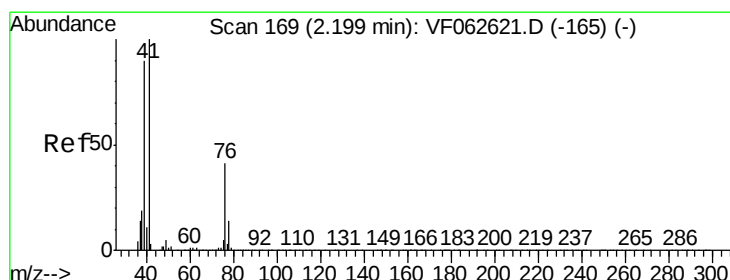
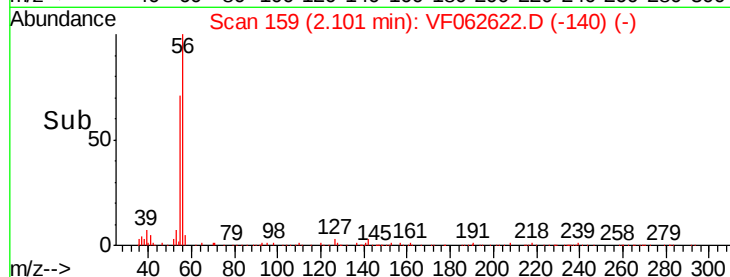
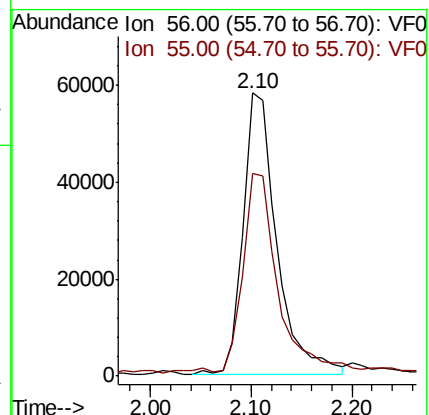
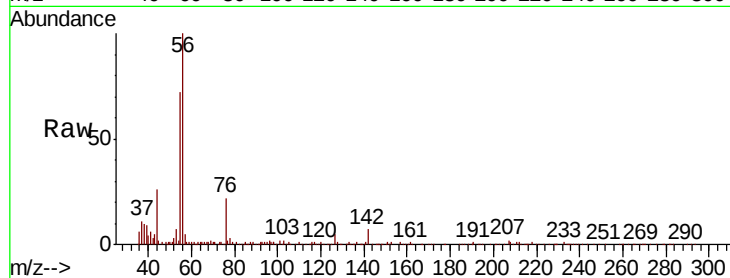
VSTDIC075

Tot Ion: 56 Resp: 134958

Ion Ratio Lower Upper

56 100

55 71.7 59.4 89.0



#14

Allyl chloride

Concen: 80.005 ug/l

RT: 2.20 min Scan# 169

Delta R.T. 0.00 min

Lab File: VF062622.D

Acq: 16 May 2019 12:28

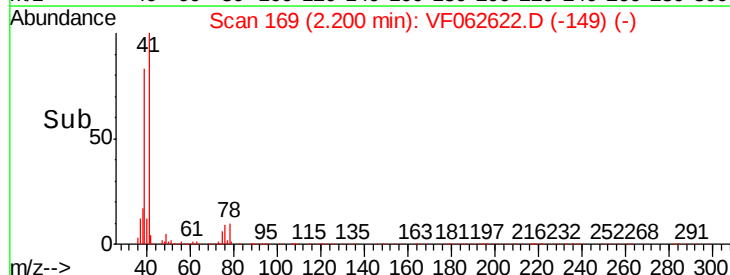
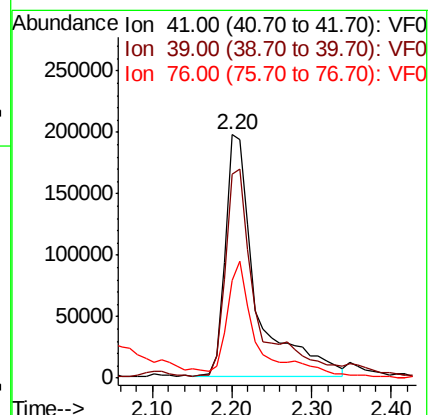
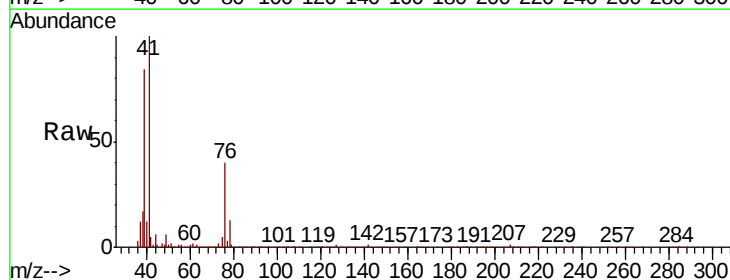
Tgt Ion: 41 Resp: 537272

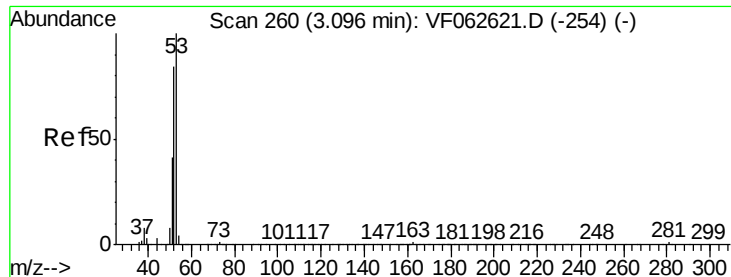
Ion Ratio Lower Upper

41 100

39 83.7 72.0 108.0

76 39.9 34.8 52.2





#15

Acrylonitrile

Concen: 307.196 ug/l

RT: 3.10 min Scan# 260

Delta R.T. 0.00 min

Lab File: VF062622.D

Acq: 16 May 2019 12:28

Instrument :

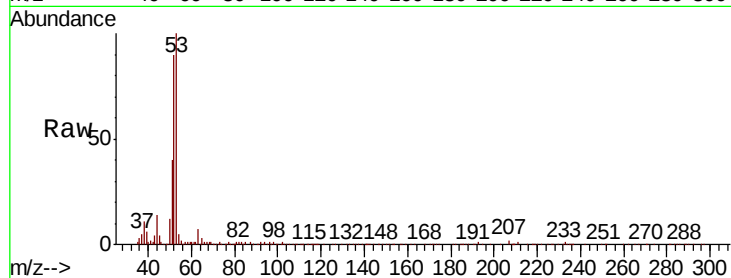
MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 53 Resp: 307587

Ion	Ratio	Lower	Upper
53	100		
52	89.7	67.3	100.9
51	39.8	33.0	49.6

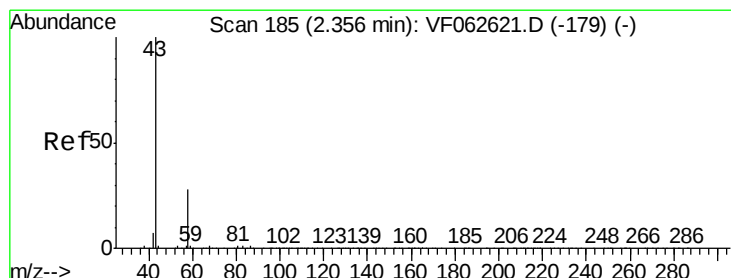
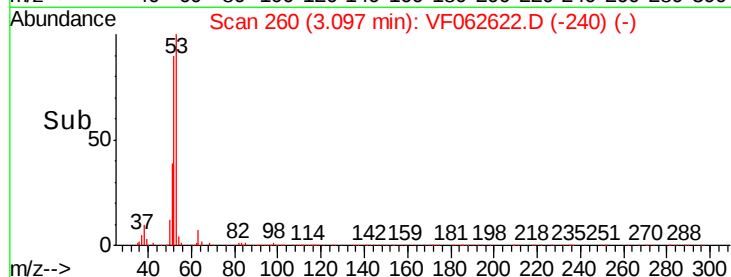
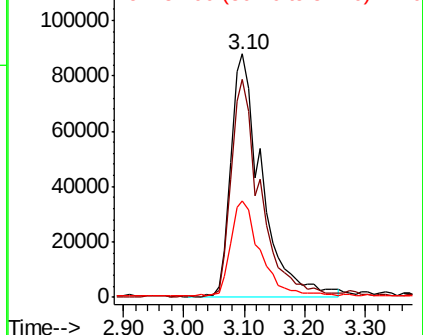


Abundance

Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 360.914 ug/l

RT: 2.36 min Scan# 185

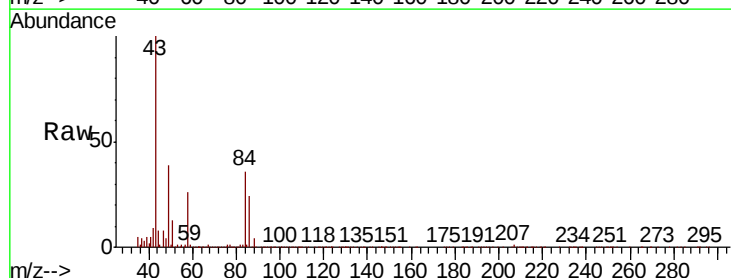
Delta R.T. 0.00 min

Lab File: VF062622.D

Acq: 16 May 2019 12:28

Tgt Ion: 43 Resp: 503412

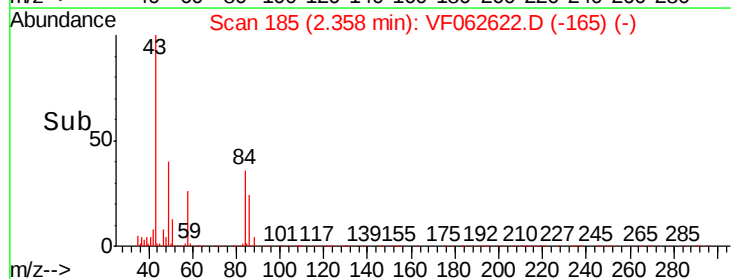
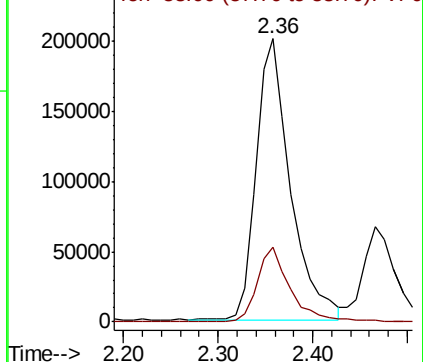
Ion	Ratio	Lower	Upper
43	100		
58	26.3	22.6	33.8

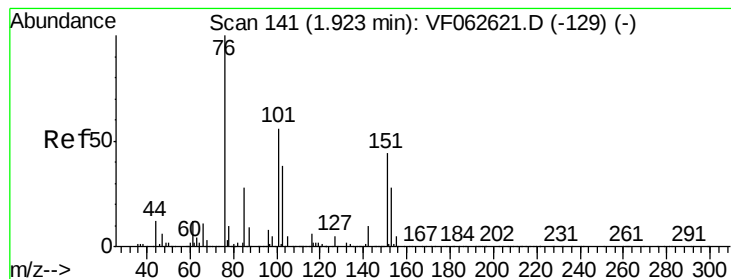


Abundance

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#17

Carbon Disulfide

Concen: 72.124 ug/l

RT: 1.93 min Scan# 142

Delta R.T. 0.01 min

Lab File: VF062622.D

Acq: 16 May 2019 12:28

Instrument :

MSVOA_F

ClientSampleId :

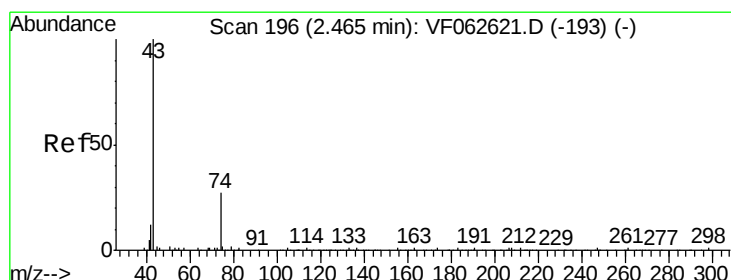
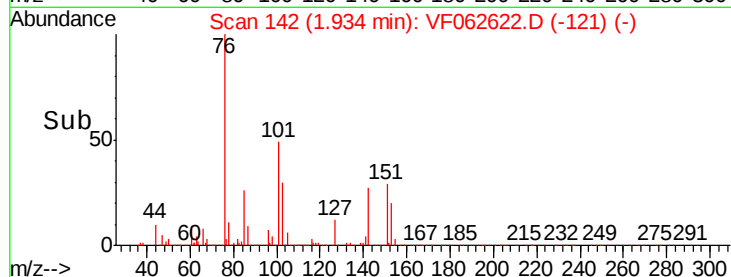
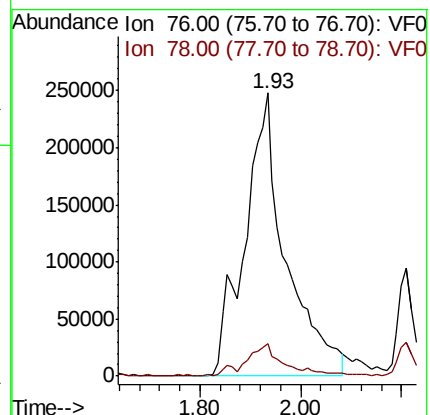
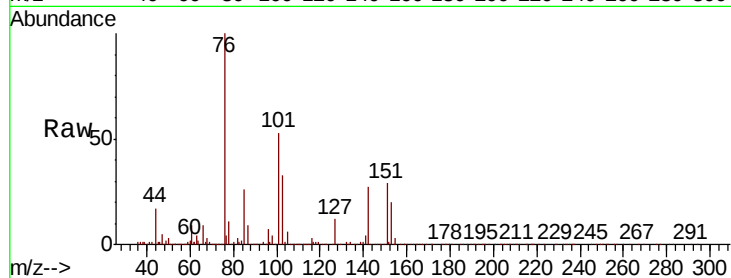
VSTDIC075

Tot Ion: 76 Resp: 1404612

Ion Ratio Lower Upper

76 100

78 11.5 8.4 12.6



#18

Methyl Acetate

Concen: 60.937 ug/l

RT: 2.47 min Scan# 196

Delta R.T. 0.00 min

Lab File: VF062622.D

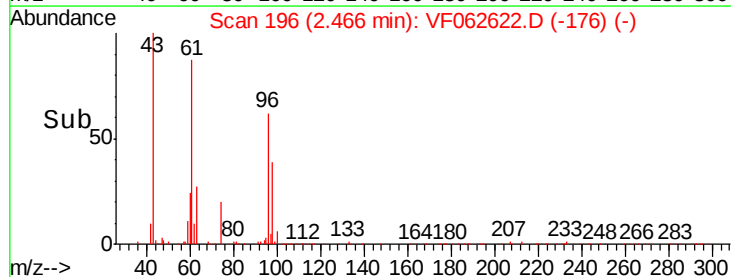
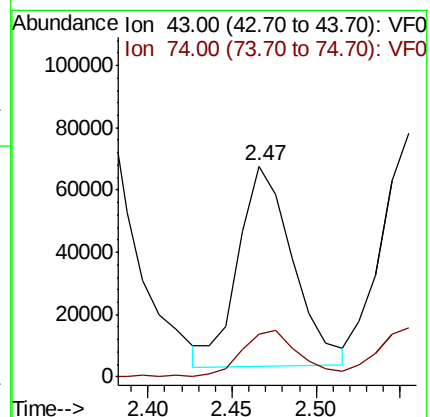
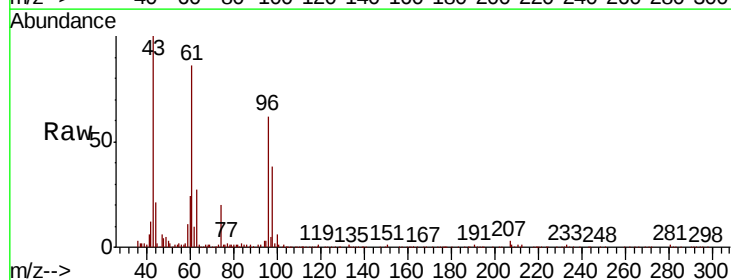
Acq: 16 May 2019 12:28

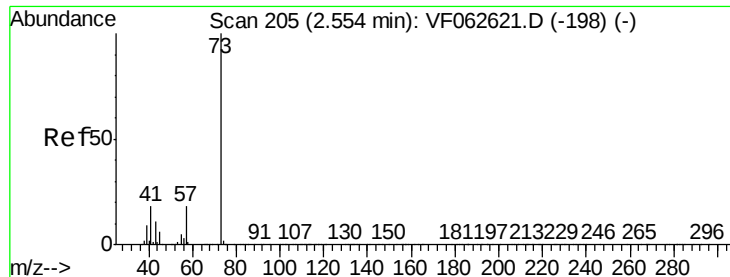
Tgt Ion: 43 Resp: 145255

Ion Ratio Lower Upper

43 100

74 20.2 18.9 28.3



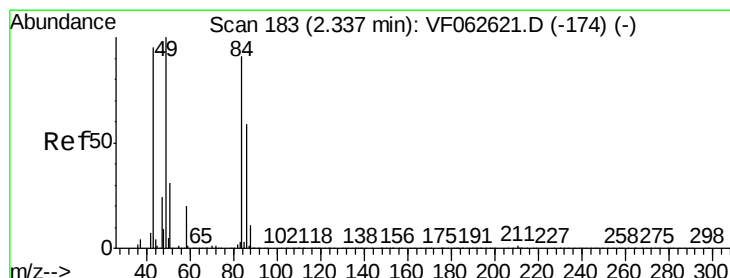
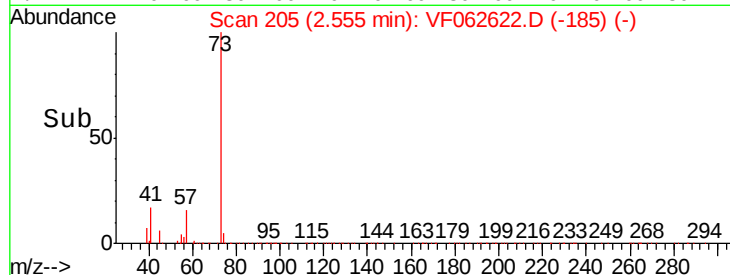
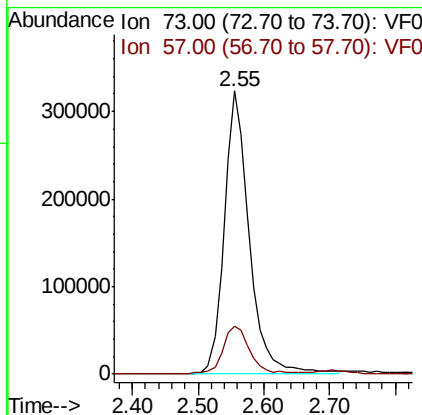
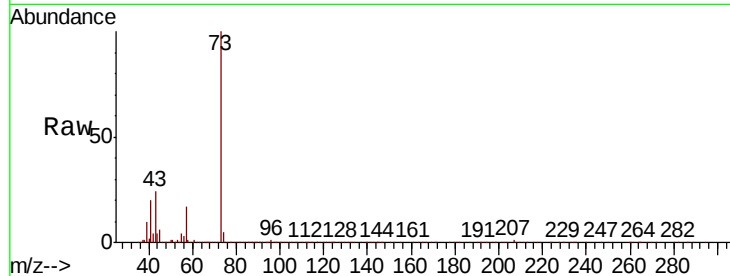


#19

Methyl tert-butyl Ether
 Concen: 69.729 ug/l
 RT: 2.55 min Scan# 205
 Delta R.T. 0.00 min
 Lab File: VF062622.D
 Acq: 16 May 2019 12:28

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

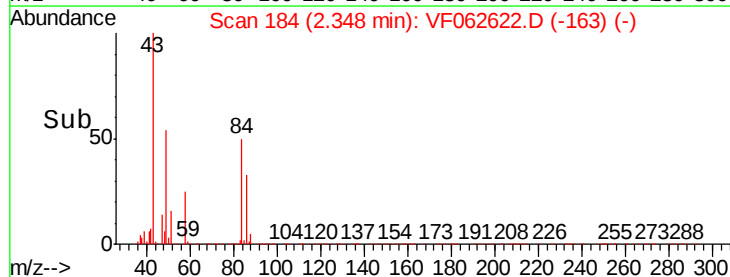
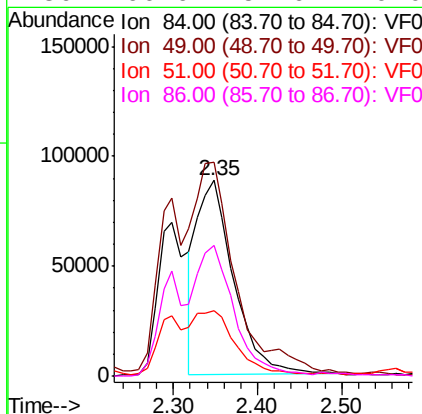
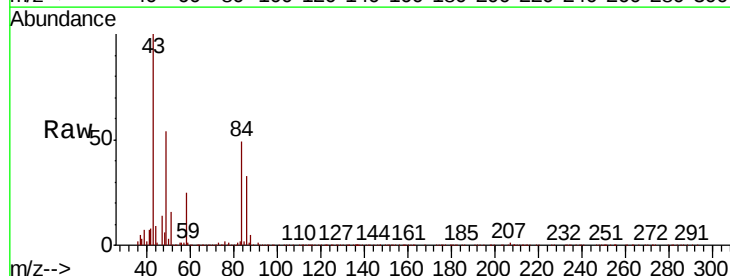
Tot Ion: 73 Resp: 851972
 Ion Ratio Lower Upper
 73 100
 57 16.9 14.2 21.4

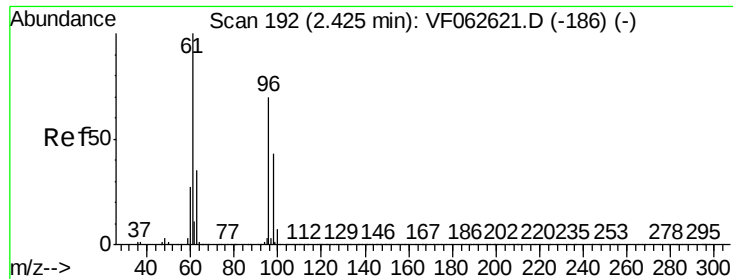


#20

Methylene Chloride
 Concen: 38.536 ug/l
 RT: 2.35 min Scan# 184
 Delta R.T. 0.01 min
 Lab File: VF062622.D
 Acq: 16 May 2019 12:28

Tgt Ion: 84 Resp: 267858
 Ion Ratio Lower Upper
 84 100
 49 109.2 89.8 134.8
 51 33.1 28.4 42.6
 86 66.6 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 70.188 ug/l

RT: 2.44 min Scan# 193

Delta R.T. 0.01 min

Lab File: VF062622.D

Acq: 16 May 2019 12:28

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

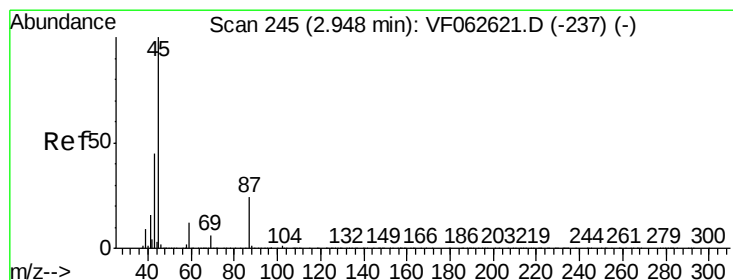
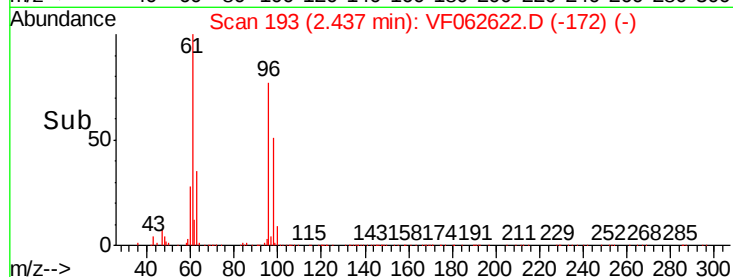
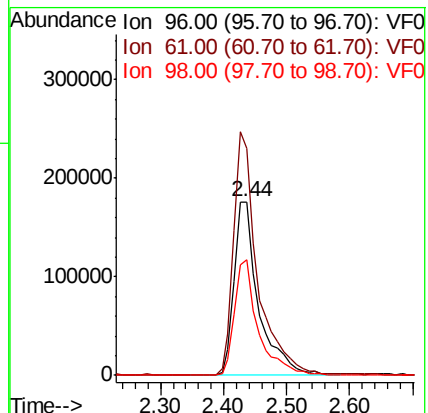
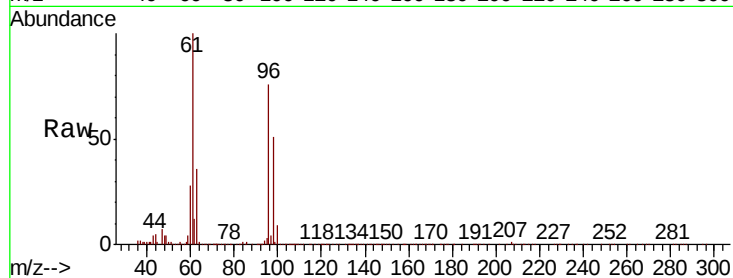
Tot Ion: 96 Resp: 468886

Ion Ratio Lower Upper

96 100

61 131.2 114.6 171.8

98 67.0 49.5 74.3



#22

Diisopropyl ether

Concen: 65.630 ug/l

RT: 2.95 min Scan# 245

Delta R.T. 0.00 min

Lab File: VF062622.D

Acq: 16 May 2019 12:28

Tgt Ion: 45 Resp: 1001301

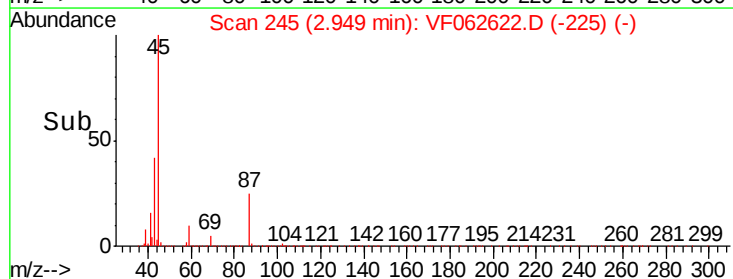
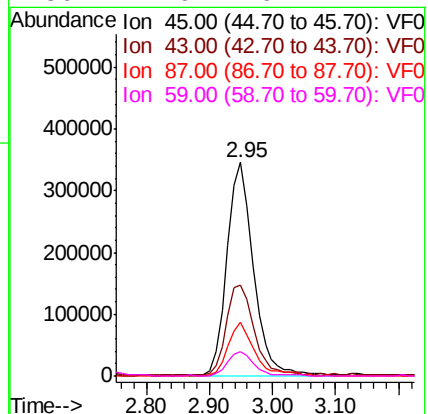
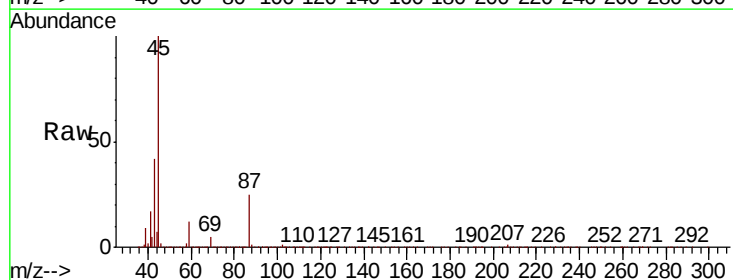
Ion Ratio Lower Upper

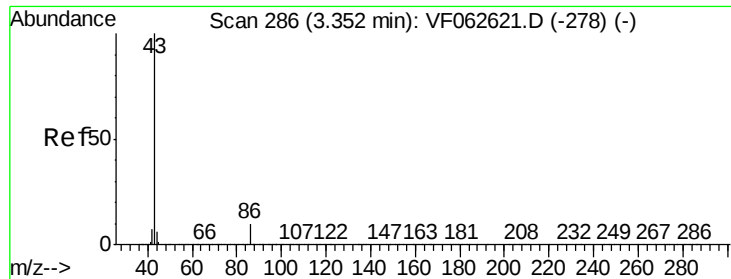
45 100

43 42.3 36.4 54.6

87 25.2 19.3 28.9

59 11.6 9.4 14.2

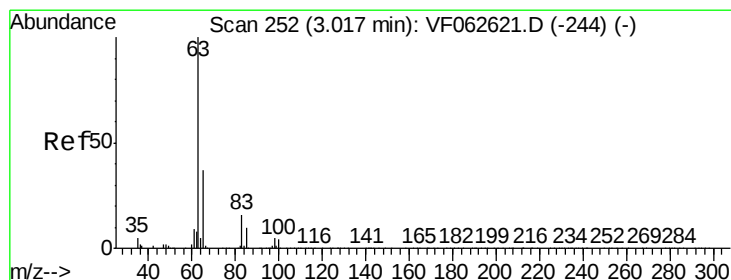
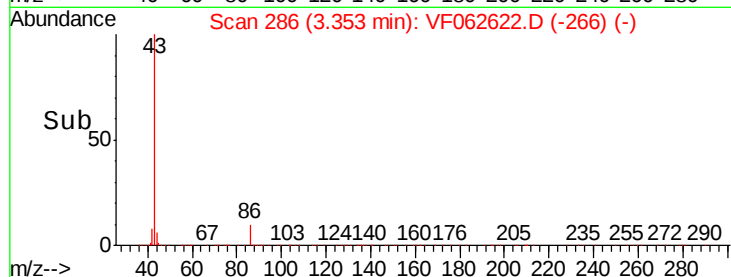
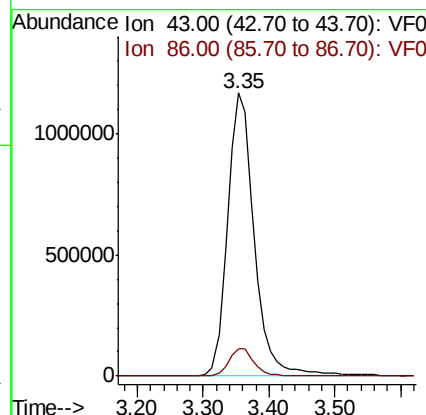
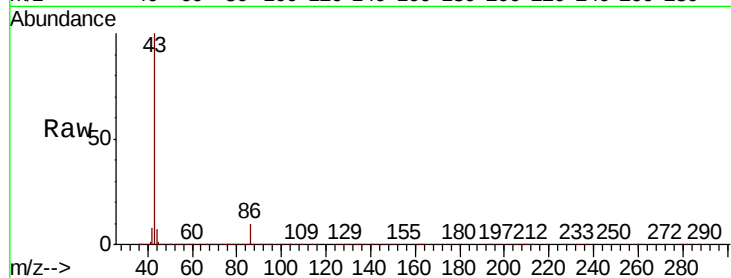




#23
 Vinyl Acetate
 Concen: 320.517 ug/l
 RT: 3.35 min Scan# 286
 Delta R.T. 0.00 min
 Lab File: VF062622.D
 Acq: 16 May 2019 12:28

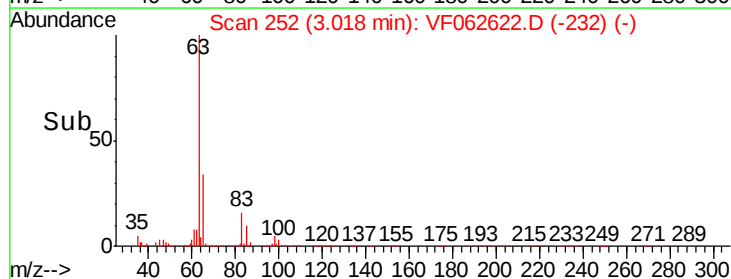
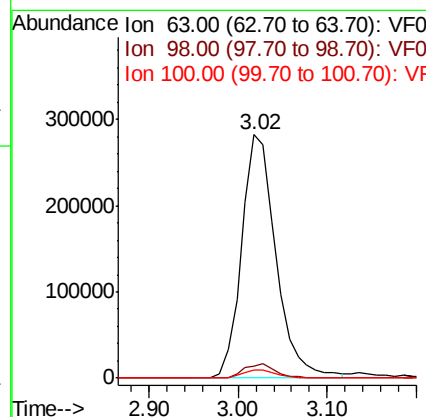
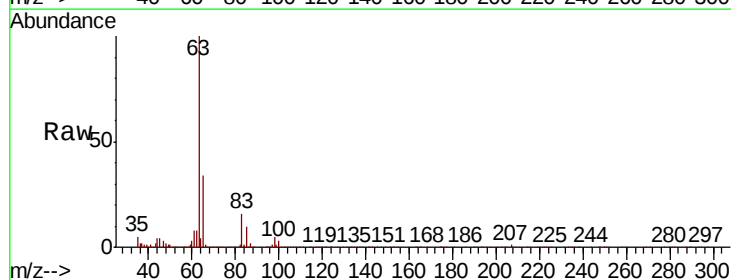
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

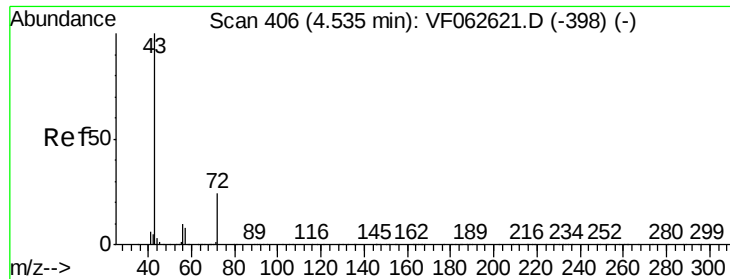
Tot Ion: 43 Resp: 3298695
 Ion Ratio Lower Upper
 43 100
 86 9.7 8.2 12.2



#24
 1,1-Dichloroethane
 Concen: 67.385 ug/l
 RT: 3.02 min Scan# 252
 Delta R.T. 0.00 min
 Lab File: VF062622.D
 Acq: 16 May 2019 12:28

Tgt Ion: 63 Resp: 754191
 Ion Ratio Lower Upper
 63 100
 98 4.9 2.8 8.3
 100 3.4 1.9 5.7

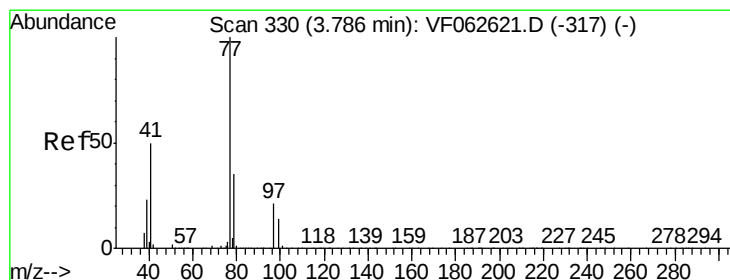
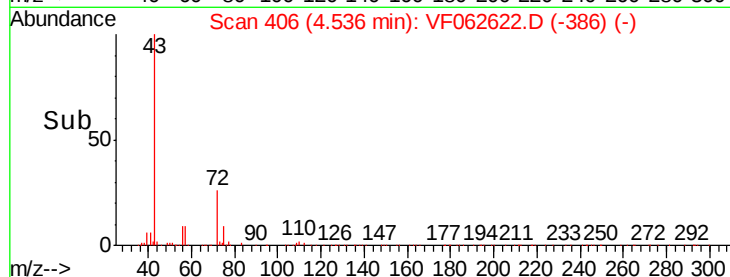
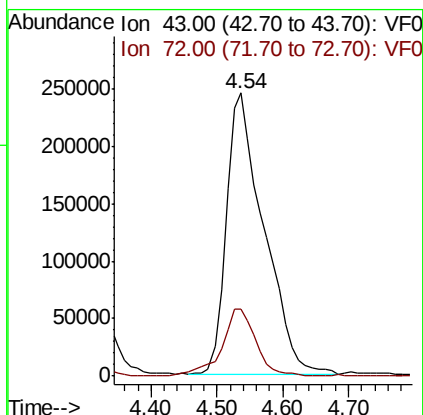
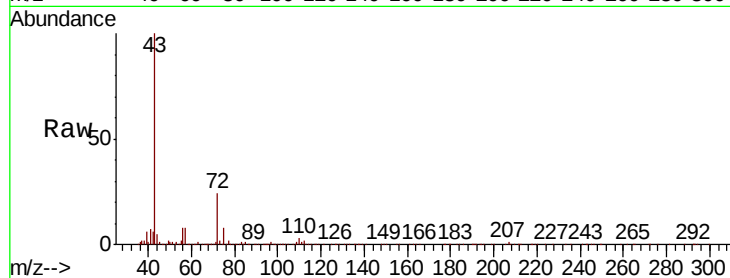




#25
2-Butanone
Concen: 326.782 ug/l
RT: 4.54 min Scan# 406
Delta R.T. 0.00 min
Lab File: VF062622.D
Acq: 16 May 2019 12:28

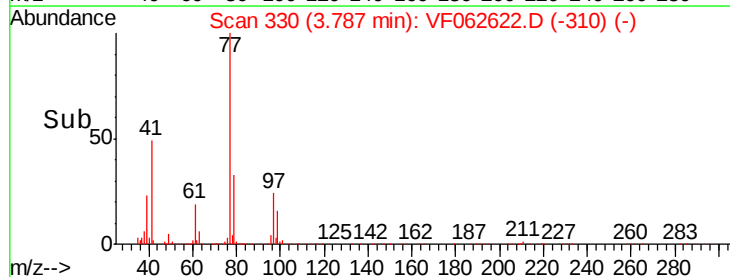
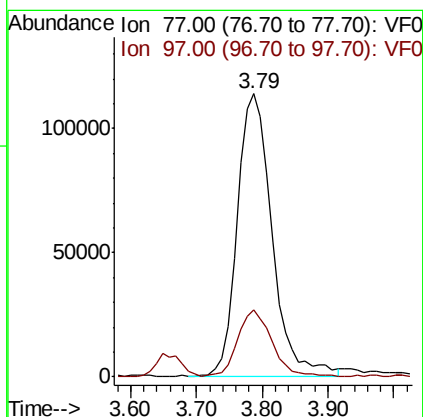
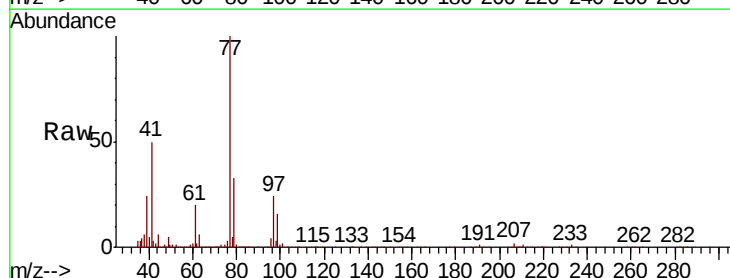
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

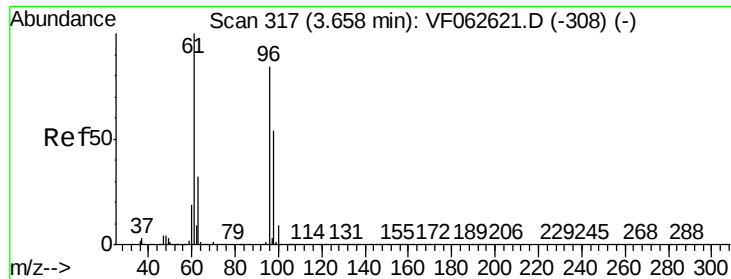
Tot Ion: 43 Resp: 973823
Ion Ratio Lower Upper
43 100
72 23.6 20.1 30.1



#26
2,2-Dichloropropane
Concen: 66.266 ug/l
RT: 3.79 min Scan# 330
Delta R.T. 0.00 min
Lab File: VF062622.D
Acq: 16 May 2019 12:28

Tgt Ion: 77 Resp: 424357
Ion Ratio Lower Upper
77 100
97 23.6 14.1 42.4



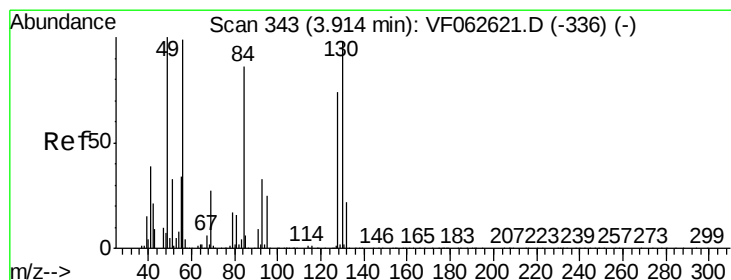
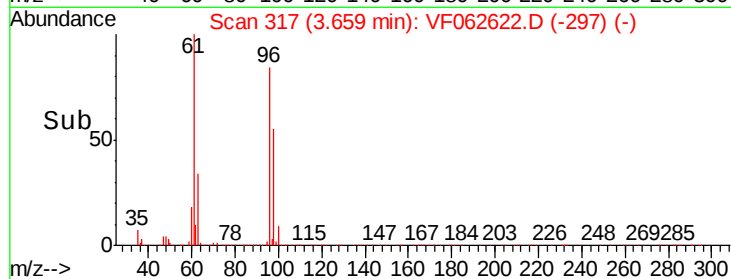
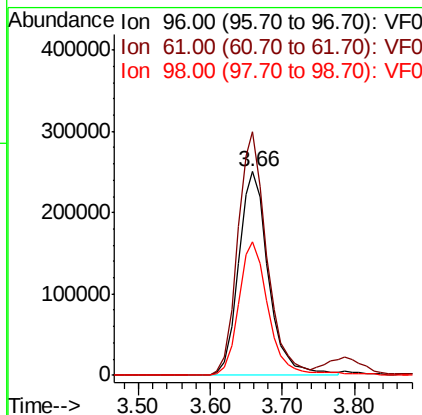
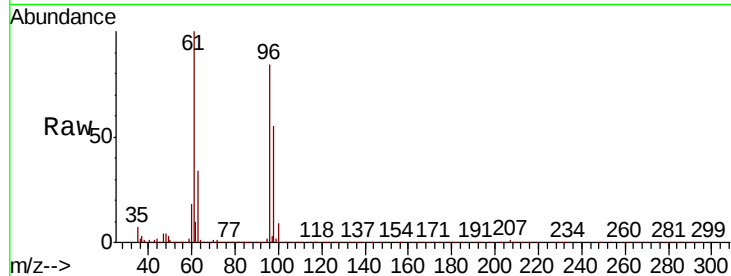


#27

cis-1,2-Dichloroethene
 Concen: 65.288 ug/l
 RT: 3.66 min Scan# 317
 Delta R.T. 0.00 min
 Lab File: VF062622.D
 Acq: 16 May 2019 12:28

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

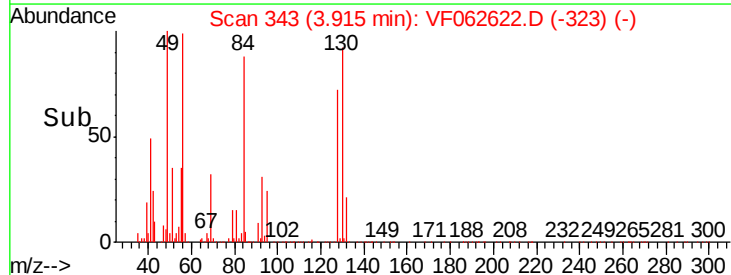
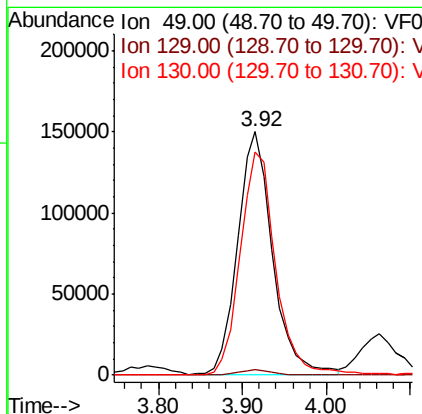
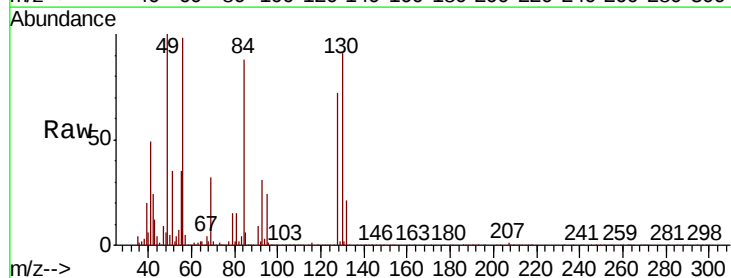
Tot Ion	96	Resp	717436
Ion	Ratio	Lower	Upper
96	100		
61	119.5	0.0	237.4
98	65.4	0.0	129.0

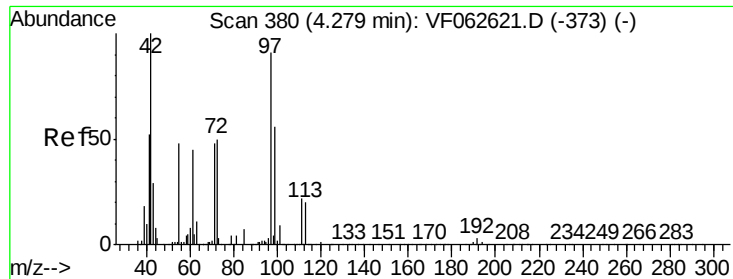


#28

Bromochloromethane
 Concen: 68.387 ug/l
 RT: 3.92 min Scan# 343
 Delta R.T. 0.00 min
 Lab File: VF062622.D
 Acq: 16 May 2019 12:28

Tgt Ion	49	Resp	429280
Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	4.0
130	91.4	77.8	116.8

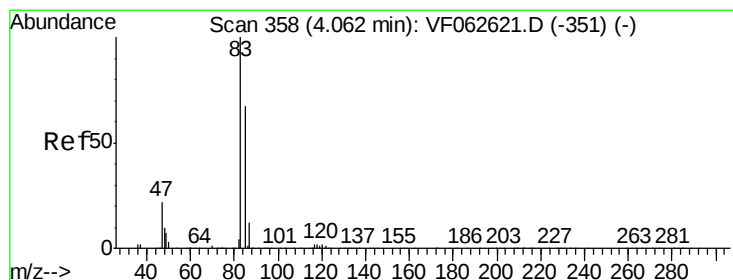
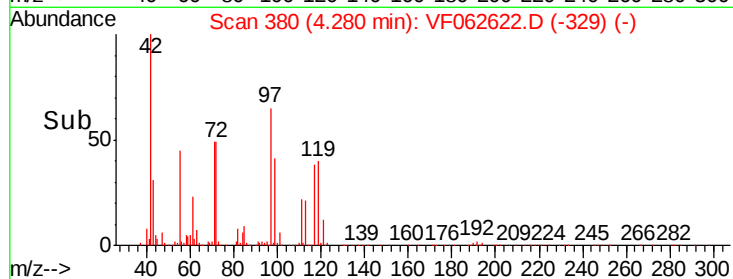
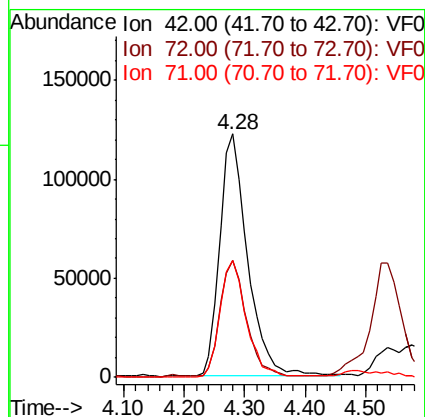
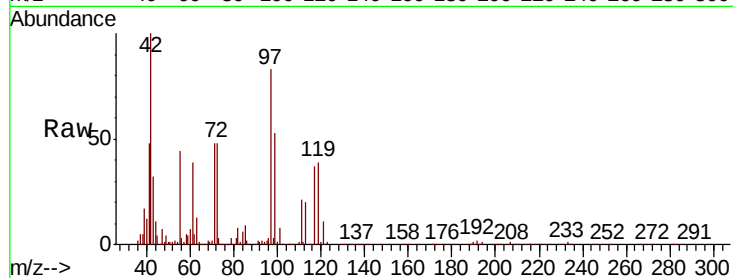




#29
Tetrahydrofuran
Concen: 325.691 ug/l
RT: 4.28 min Scan# 380
Delta R.T. 0.00 min
Lab File: VF062622.D
Acq: 16 May 2019 12:28

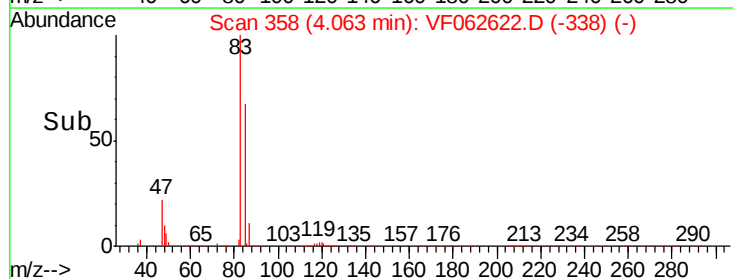
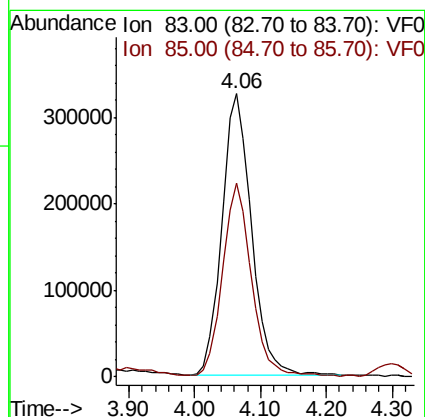
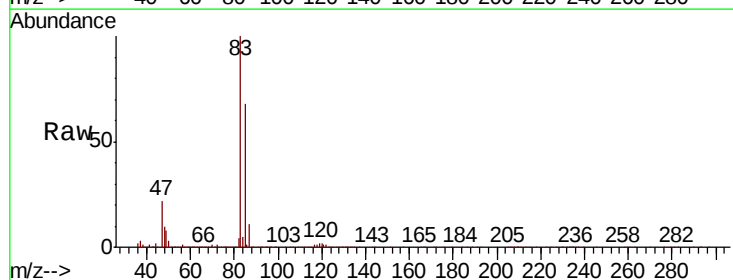
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

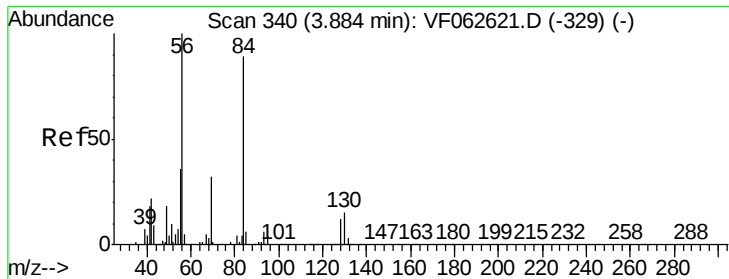
Tot Ion: 42 Resp: 392756
Ion Ratio Lower Upper
42 100
72 44.8 38.2 57.2
71 45.9 35.8 53.6



#30
Chloroform
Concen: 65.922 ug/l
RT: 4.06 min Scan# 358
Delta R.T. 0.00 min
Lab File: VF062622.D
Acq: 16 May 2019 12:28

Tgt Ion: 83 Resp: 1024401
Ion Ratio Lower Upper
83 100
85 68.4 53.6 80.4





#31

Cyclohexane

Concen: 72.166 ug/l

RT: 3.90 min Scan# 341

Delta R.T. 0.01 min

Lab File: VF062622.D

Acq: 16 May 2019 12:28

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

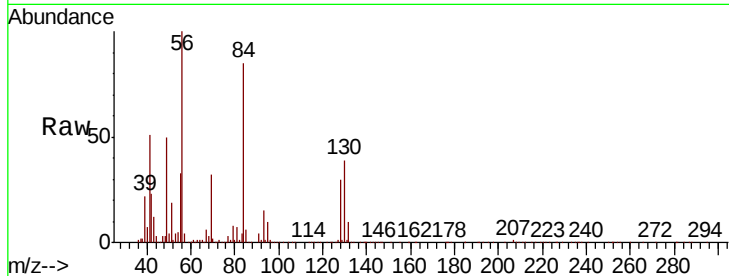
Tot Ion: 56 Resp: 1005564

Ion Ratio Lower Upper

56 100

69 32.0 25.3 37.9

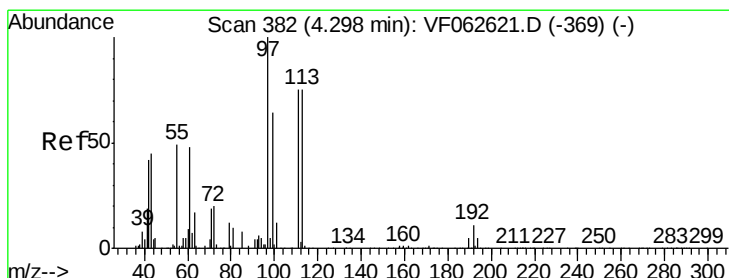
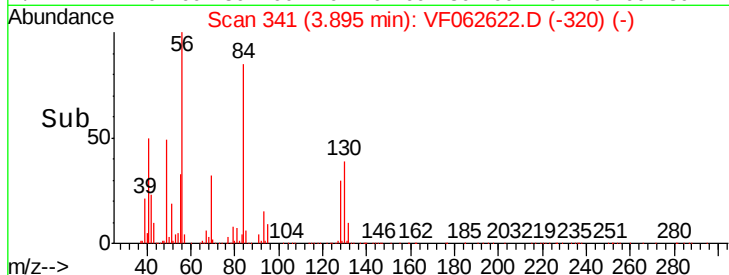
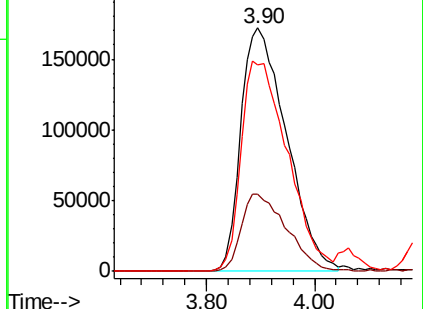
84 84.8 71.0 106.4



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 84.00 (83.70 to 84.70): VF0



#32

1,1,1-Trichloroethane

Concen: 69.139 ug/l

RT: 4.30 min Scan# 382

Delta R.T. 0.00 min

Lab File: VF062622.D

Acq: 16 May 2019 12:28

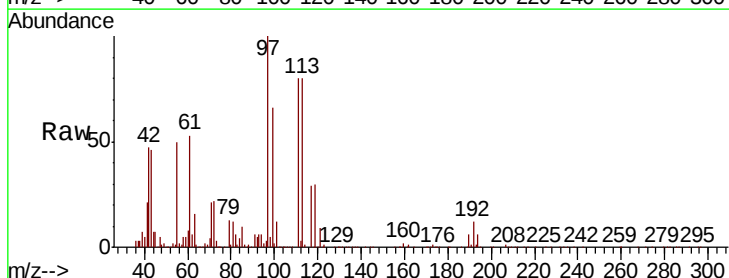
Tgt Ion: 97 Resp: 713525

Ion Ratio Lower Upper

97 100

99 66.3 51.3 76.9

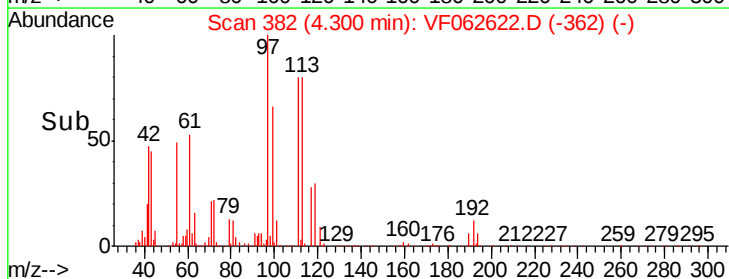
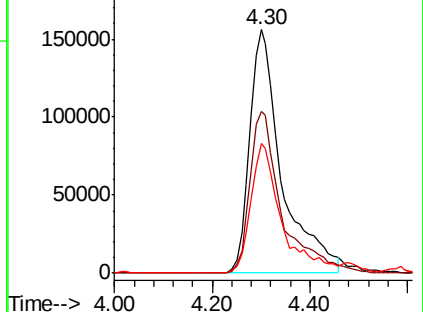
61 53.4 38.2 57.2

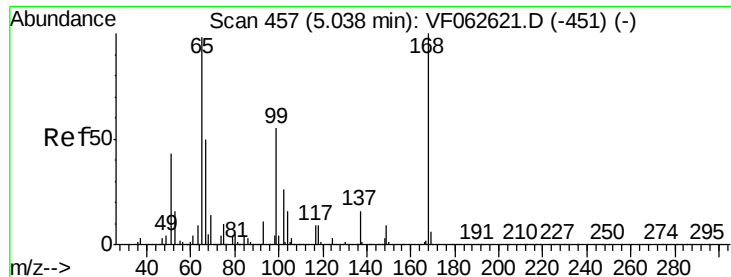


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#33

1,2-Dichloroethane-d4

Concen: 64.274 ug/l

RT: 5.04 min Scan# 457

Delta R.T. 0.00 min

Lab File: VF062622.D

Acq: 16 May 2019 12:28

Instrument :

MSVOA_F

ClientSampleId :

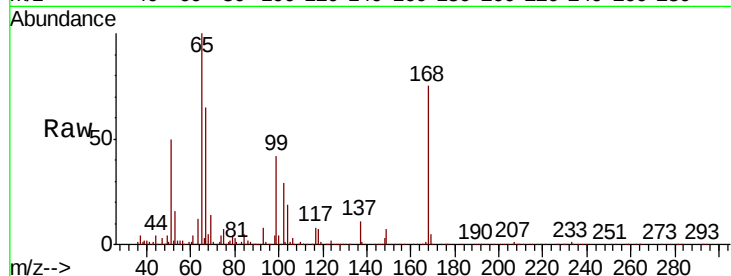
VSTDIC075

Tot Ion: 65 Resp: 345566

Ion Ratio Lower Upper

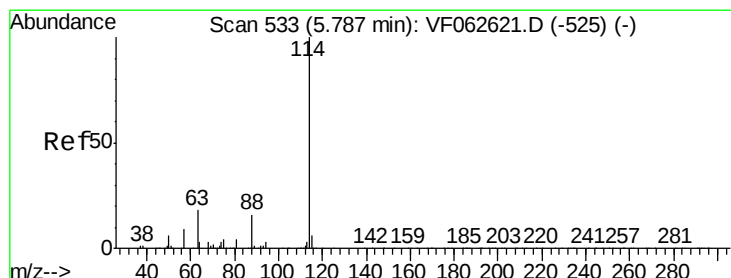
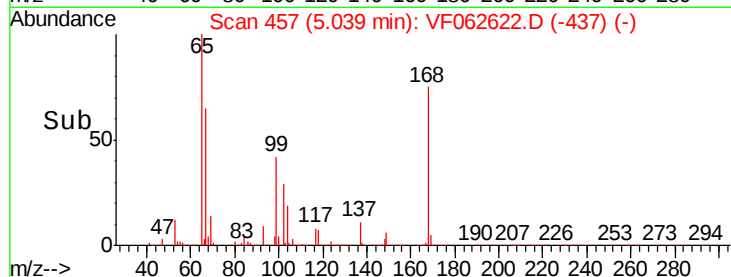
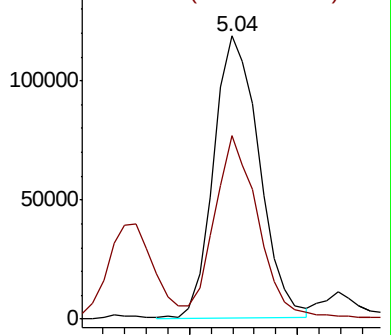
65 100

67 64.9 0.0 117.6



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.79 min Scan# 533

Delta R.T. 0.00 min

Lab File: VF062622.D

Acq: 16 May 2019 12:28

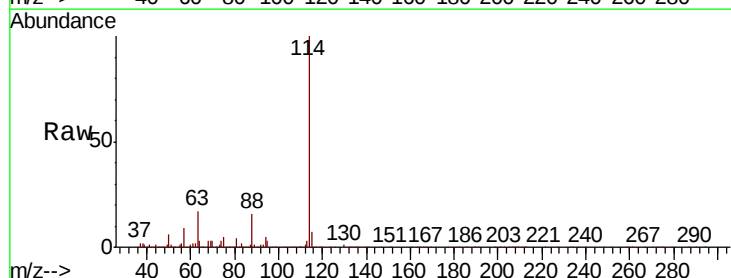
Tgt Ion:114 Resp: 1321532

Ion Ratio Lower Upper

114 100

63 16.7 0.0 35.4

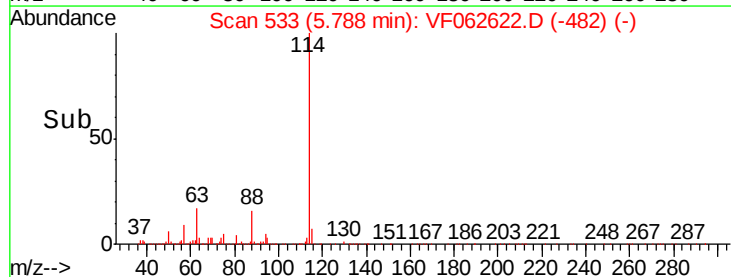
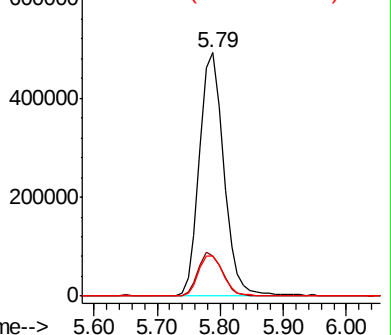
88 16.4 0.0 32.4

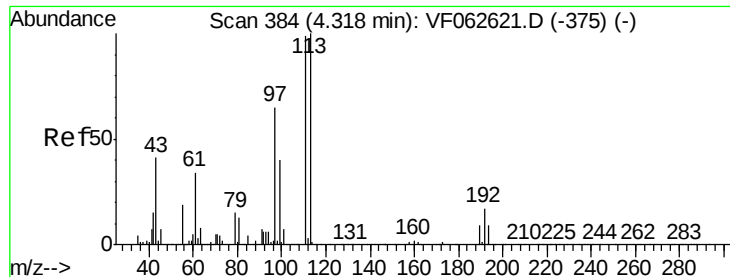


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

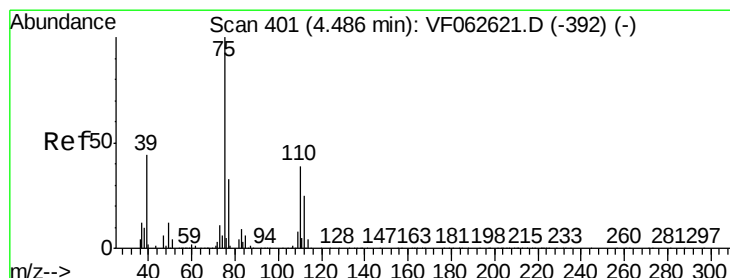
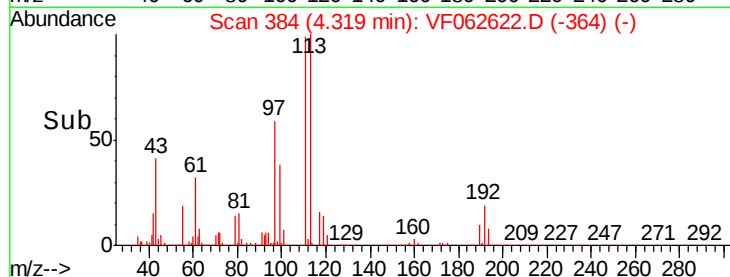
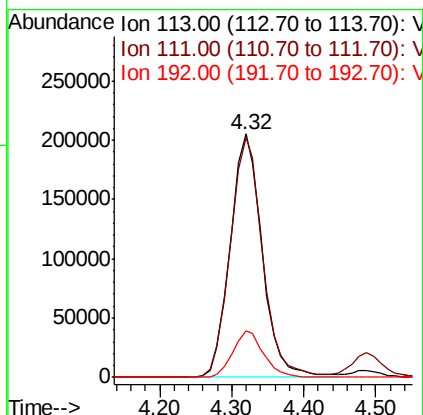
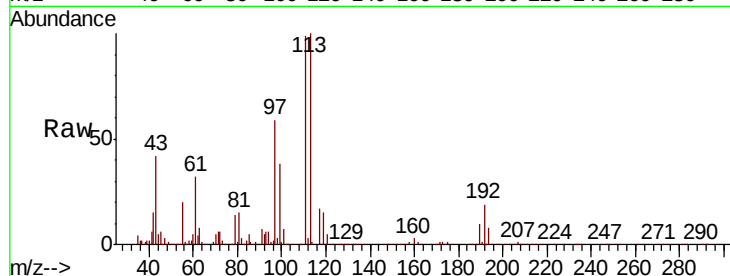




#35
 Dibromofluoromethane
 Concen: 62.778 ug/l
 RT: 4.32 min Scan# 384
 Delta R.T. 0.00 min
 Lab File: VF062622.D
 Acq: 16 May 2019 12:28

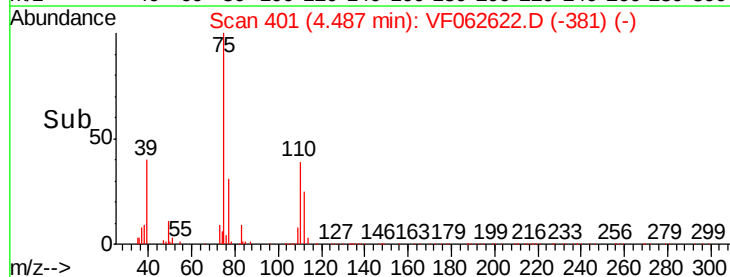
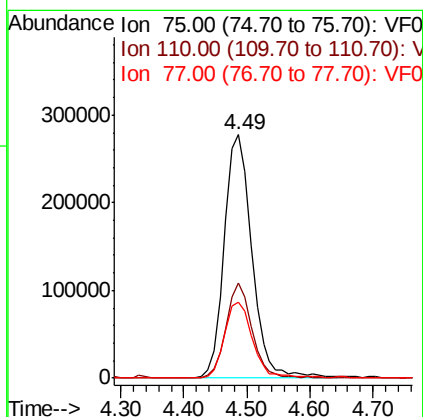
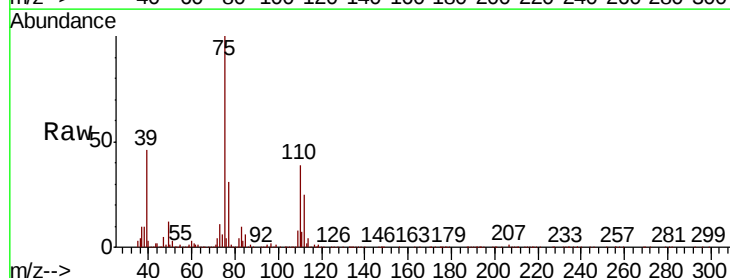
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

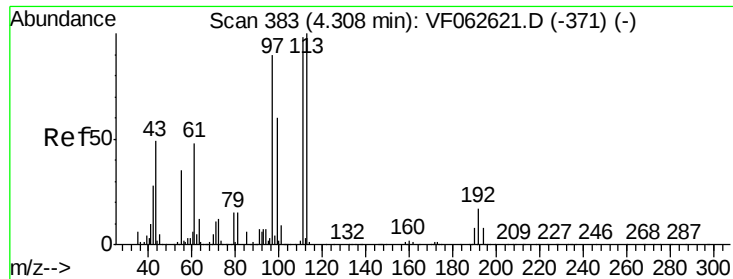
Tot Ion	Ratio	Lower	Upper
113	100		
111	98.5	79.4	119.2
192	19.3	13.4	20.2



#36
 1,1-Dichloropropene
 Concen: 62.638 ug/l
 RT: 4.49 min Scan# 401
 Delta R.T. 0.00 min
 Lab File: VF062622.D
 Acq: 16 May 2019 12:28

Tgt Ion	Ratio	Lower	Upper
75	100		
110	39.3	19.7	59.1
77	31.3	26.3	39.5

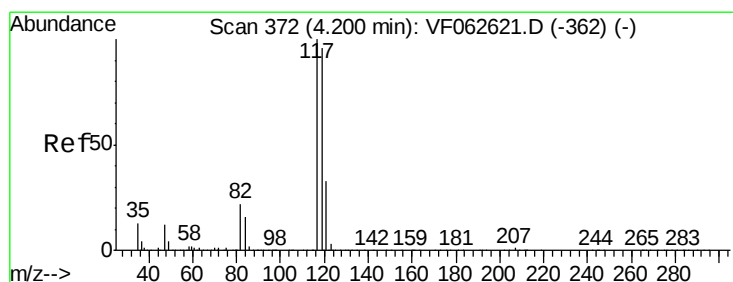
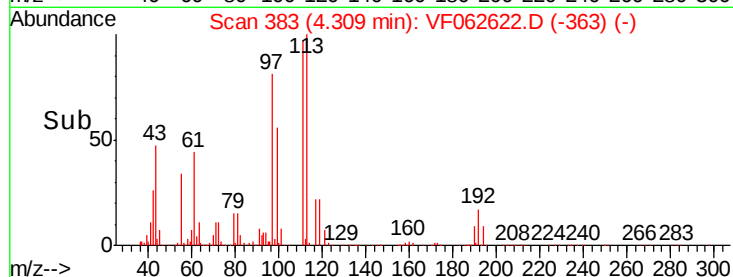
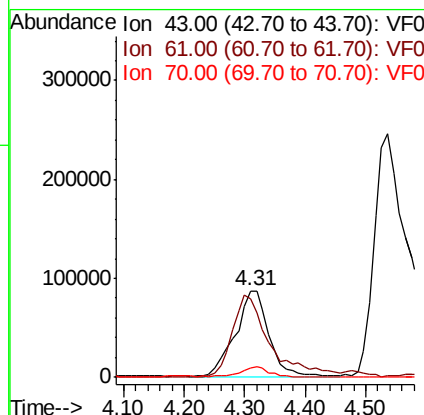
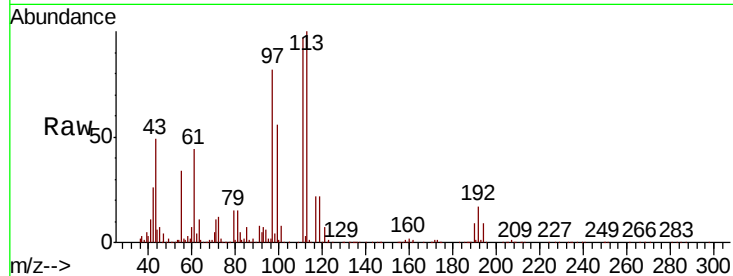




#37
Ethyl Acetate
Concen: 59.851 ug/l
RT: 4.31 min Scan# 383
Delta R.T. 0.00 min
Lab File: VF062622.D
Acq: 16 May 2019 12:28

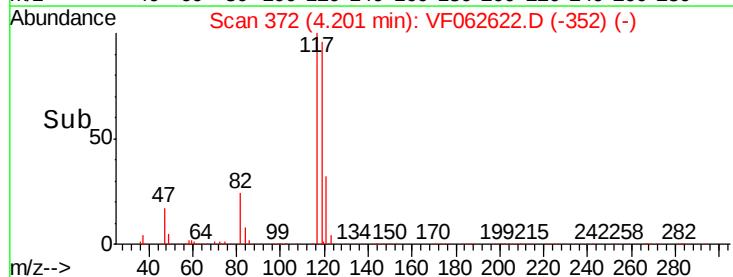
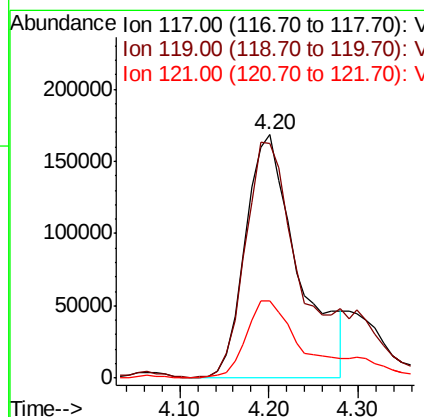
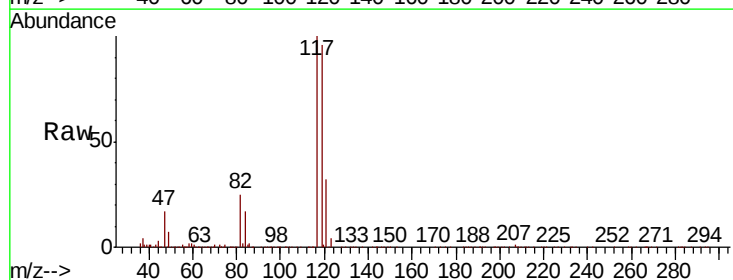
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

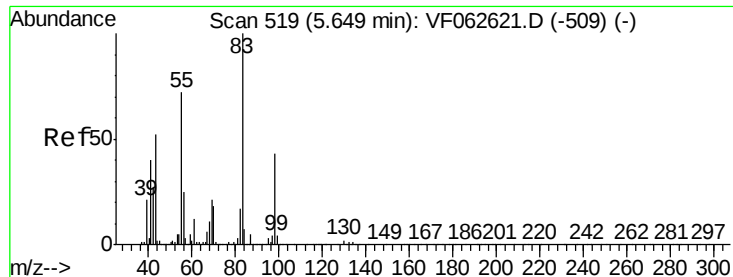
Tot Ion	43	Resp	330921
Ion Ratio	Lower	Upper	
43	100		
61	91.4	76.9	115.3
70	10.6	8.8	13.2



#38
Carbon Tetrachloride
Concen: 72.304 ug/l
RT: 4.20 min Scan# 372
Delta R.T. 0.00 min
Lab File: VF062622.D
Acq: 16 May 2019 12:28

Tgt Ion	117	Resp	689824
Ion Ratio	Lower	Upper	
117	100		
119	96.4	76.7	115.1
121	31.9	26.6	40.0

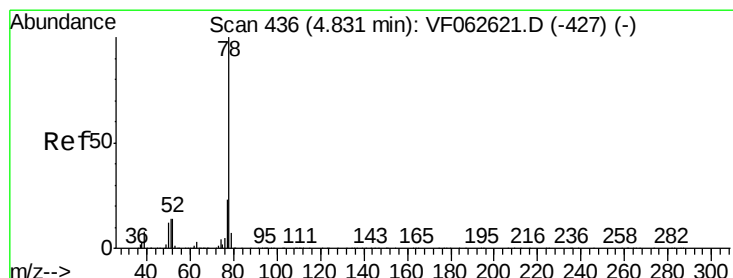
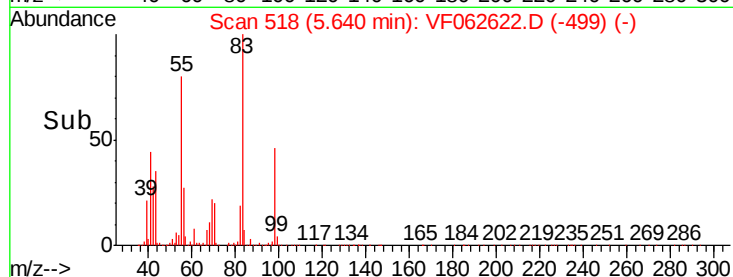
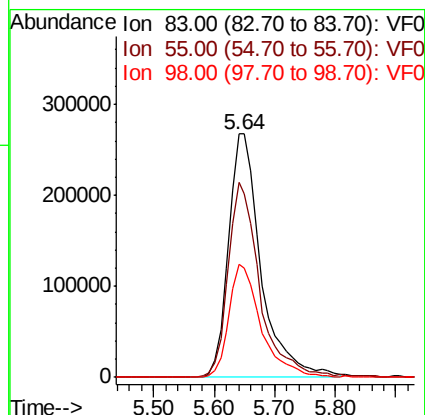
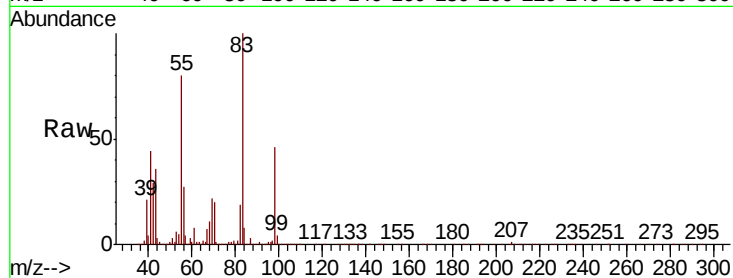




#39
Methvlcvclohexane
Concen: 61.150 ug/l
RT: 5.64 min Scan# 518
Delta R.T. -0.01 min
Lab File: VF062622.D
Acq: 16 May 2019 12:28

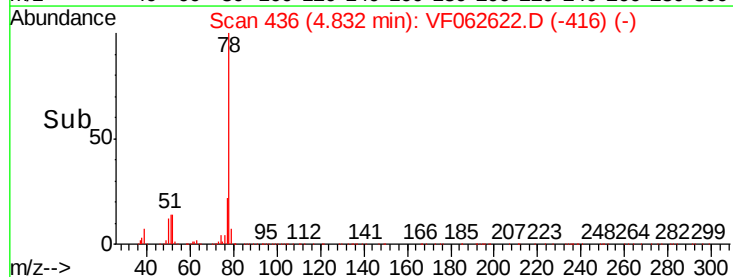
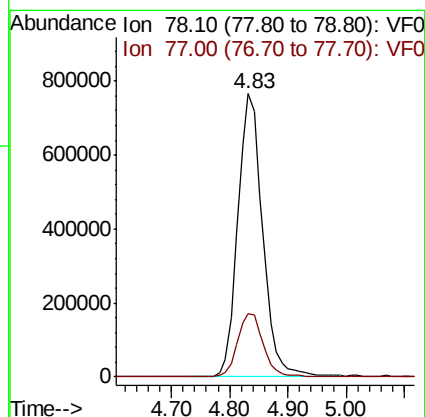
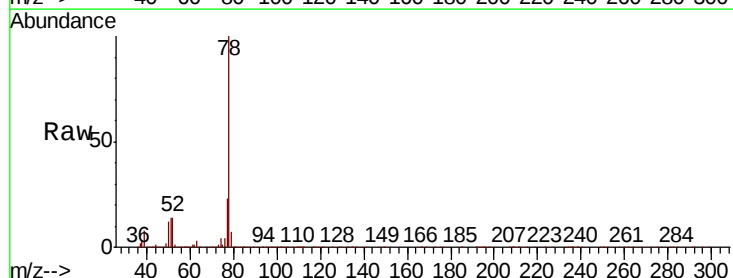
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

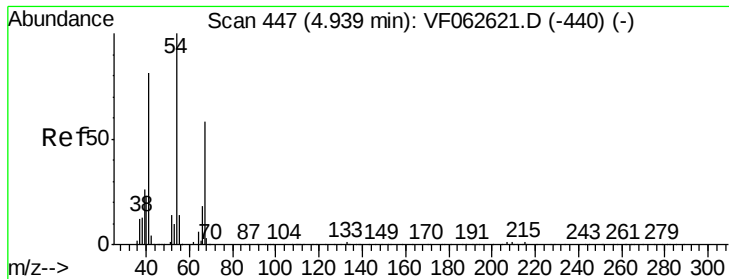
Tot Ion: 83 Resp: 996382
Ion Ratio Lower Upper
83 100
55 79.9 57.9 86.9
98 46.2 34.6 52.0



#40
Benzene
Concen: 61.629 ug/l
RT: 4.83 min Scan# 436
Delta R.T. 0.00 min
Lab File: VF062622.D
Acq: 16 May 2019 12:28

Tgt Ion: 78 Resp: 2273547
Ion Ratio Lower Upper
78 100
77 22.6 18.2 27.2





#41

Methacrylonitrile

Concen: 60.995 ug/l

RT: 4.94 min Scan# 447

Delta R.T. 0.00 min

Lab File: VF062622.D

Acq: 16 May 2019 12:28

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 41 Resp: 176808

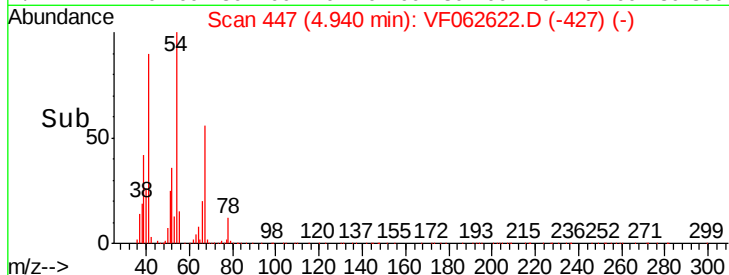
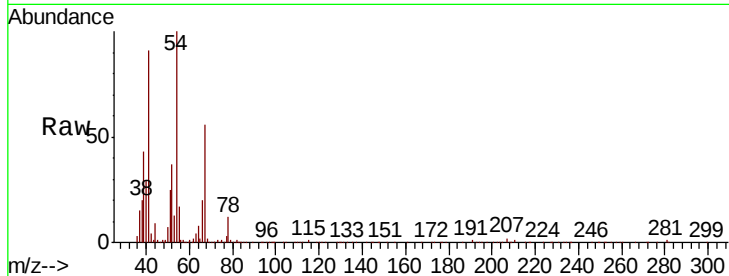
Ion Ratio Lower Upper

41 100

39 47.5 42.2 63.2

67 60.9 56.4 84.6

52 40.0 38.8 58.2

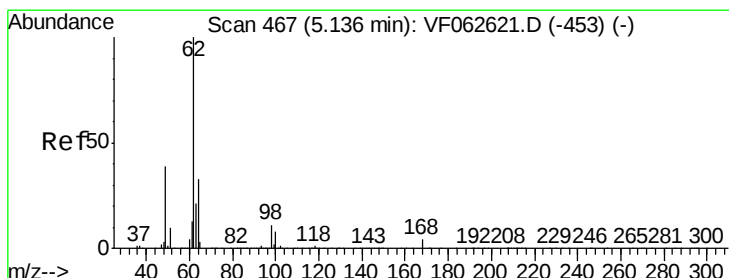
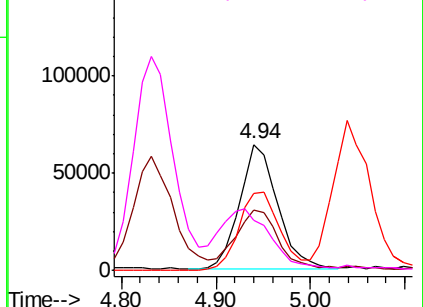


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#42

1,2-Dichloroethane

Concen: 64.937 ug/l

RT: 5.14 min Scan# 467

Delta R.T. 0.00 min

Lab File: VF062622.D

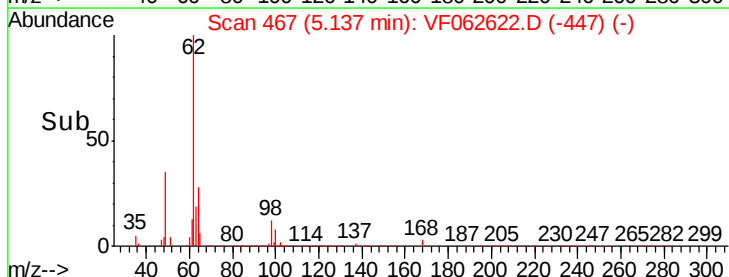
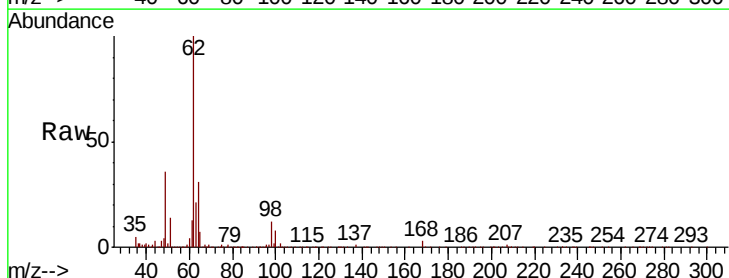
Acq: 16 May 2019 12:28

Tgt Ion: 62 Resp: 477722

Ion Ratio Lower Upper

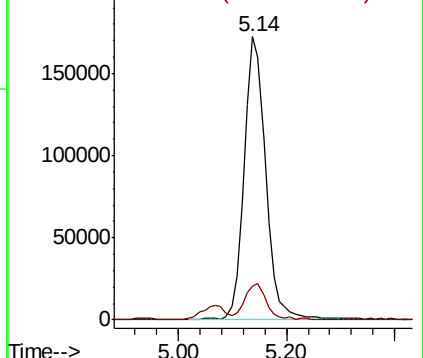
62 100

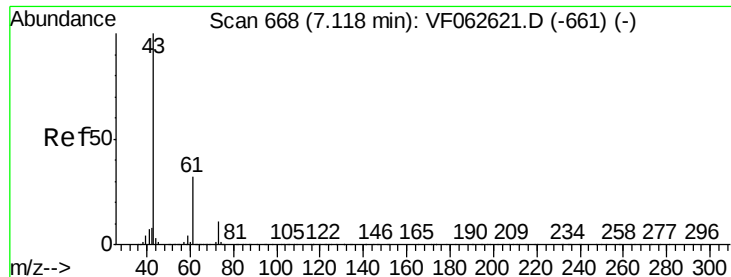
98 12.1 0.0 21.6



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



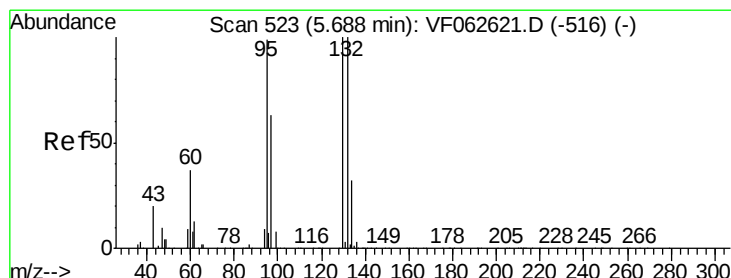
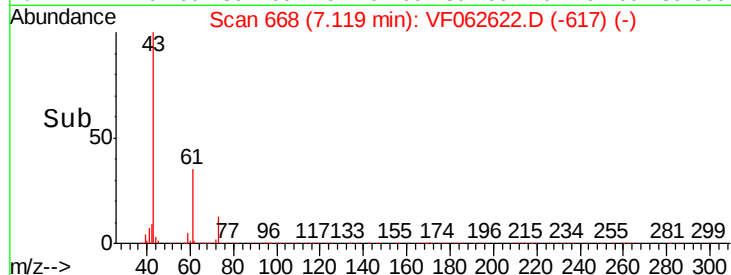
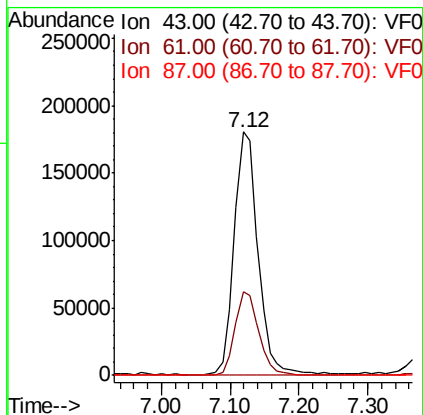
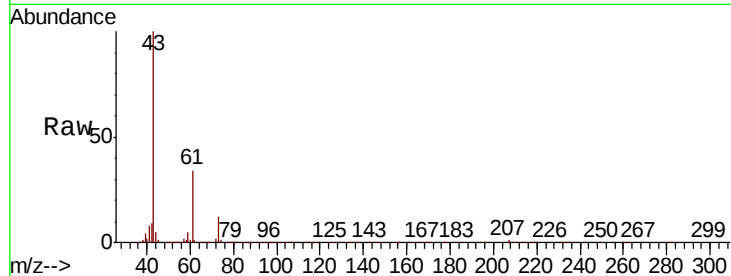


#43

Isopropyl Acetate
 Concen: 59.916 ug/l
 RT: 7.12 min Scan# 668
 Delta R.T. 0.00 min
 Lab File: VF062622.D
 Acq: 16 May 2019 12:28

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

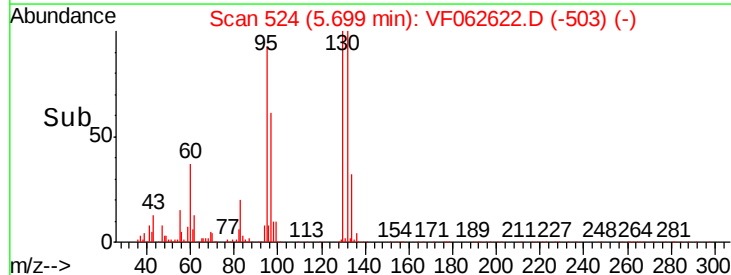
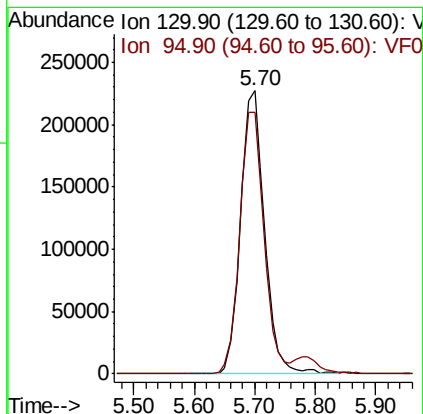
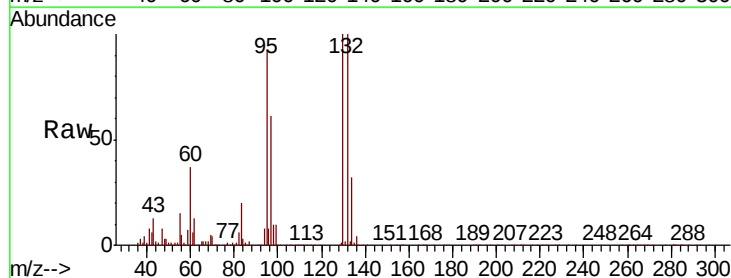
Tot Ion: 43 Resp: 429186
 Ion Ratio Lower Upper
 43 100
 61 34.4 25.8 38.8
 87 0.3 0.4 0.6#

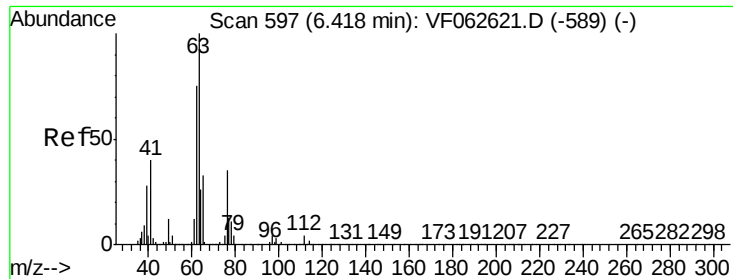


#44

Trichloroethene
 Concen: 60.437 ug/l
 RT: 5.70 min Scan# 524
 Delta R.T. 0.01 min
 Lab File: VF062622.D
 Acq: 16 May 2019 12:28

Tgt Ion:130 Resp: 626639
 Ion Ratio Lower Upper
 130 100
 95 92.6 0.0 199.4





#45

1,2-Dichloropropane

Concen: 62.745 ug/l

RT: 6.42 min Scan# 597

Delta R.T. 0.00 min

Lab File: VF062622.D

Acq: 16 May 2019 12:28

Instrument :

MSVOA_F

ClientSampleId :

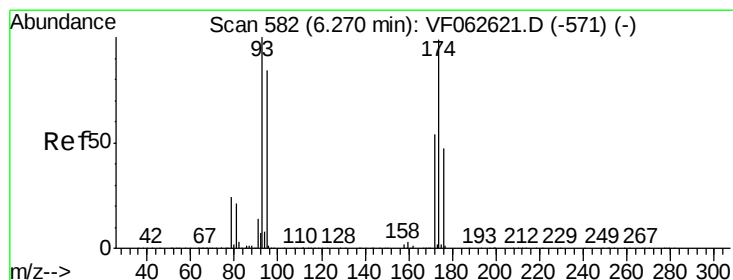
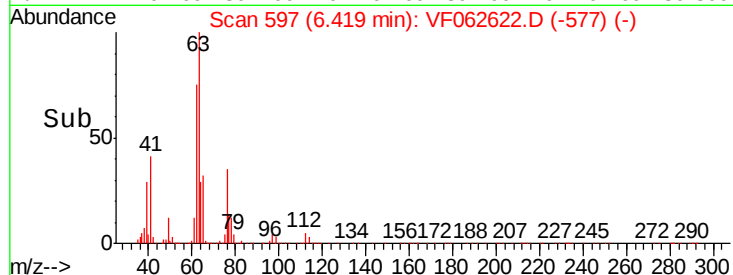
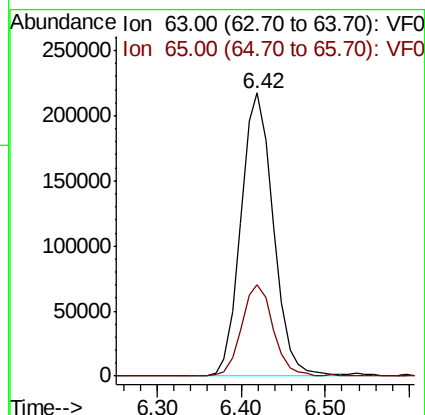
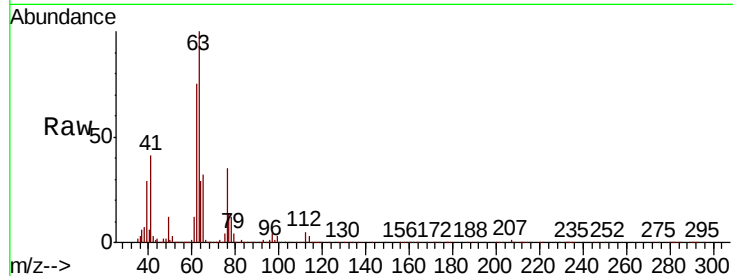
VSTDIC075

Tot Ion: 63 Resp: 584318

Ion Ratio Lower Upper

63 100

65 32.1 26.3 39.5



#46

Dibromomethane

Concen: 61.832 ug/l

RT: 6.27 min Scan# 582

Delta R.T. 0.00 min

Lab File: VF062622.D

Acq: 16 May 2019 12:28

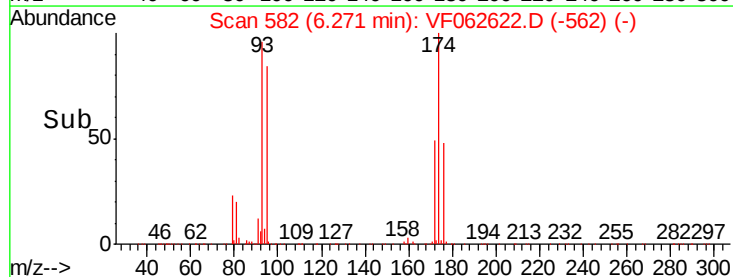
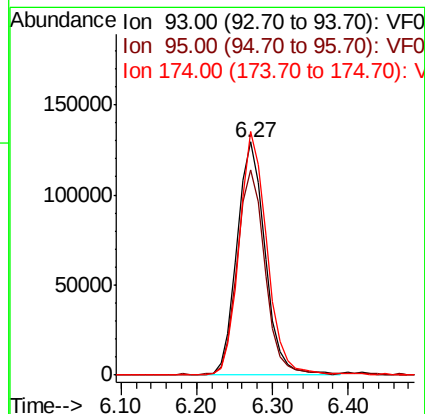
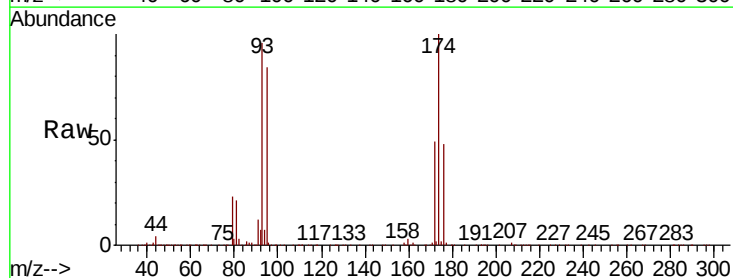
Tgt Ion: 93 Resp: 332779

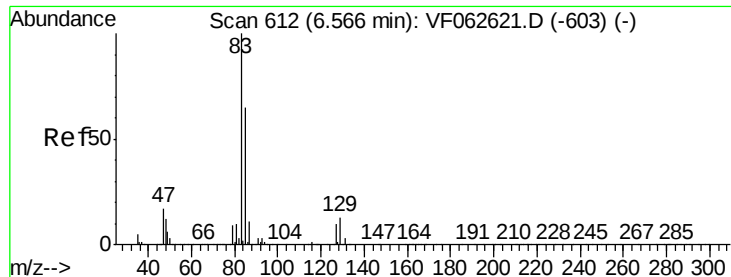
Ion Ratio Lower Upper

93 100

95 87.8 67.4 101.2

174 104.5 79.4 119.2





#47

Bromodichloromethane

Concen: 62.428 ug/l

RT: 6.57 min Scan# 612

Delta R.T. 0.00 min

Lab File: VF062622.D

Acq: 16 May 2019 12:28

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

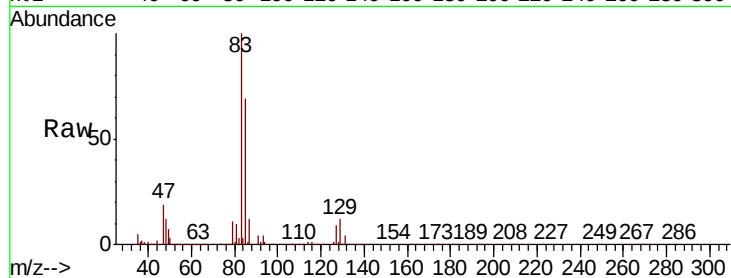
Tot Ion: 83 Resp: 697509

Ion Ratio Lower Upper

83 100

85 68.7 52.0 78.0

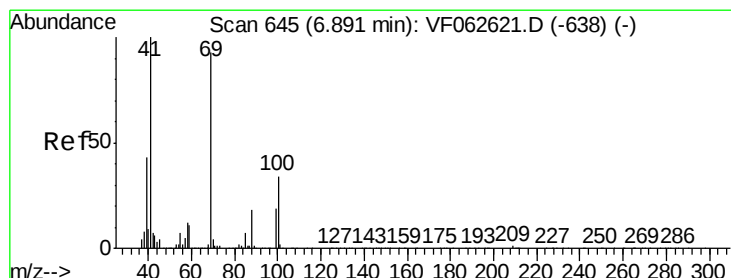
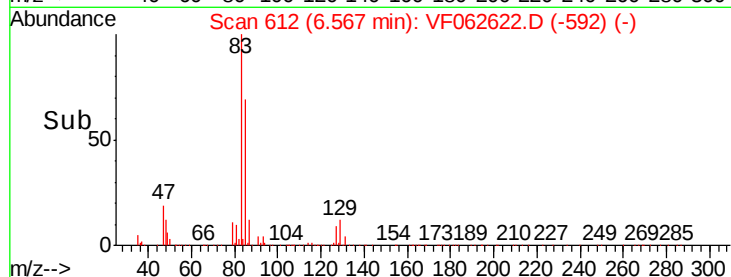
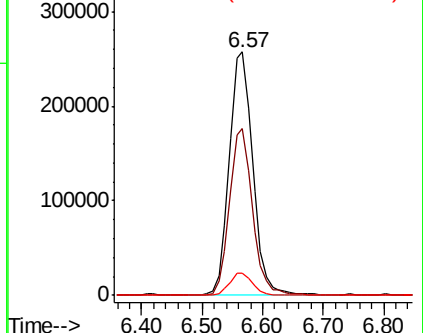
127 9.2 7.7 11.5



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 60.766 ug/l

RT: 6.88 min Scan# 644

Delta R.T. -0.01 min

Lab File: VF062622.D

Acq: 16 May 2019 12:28

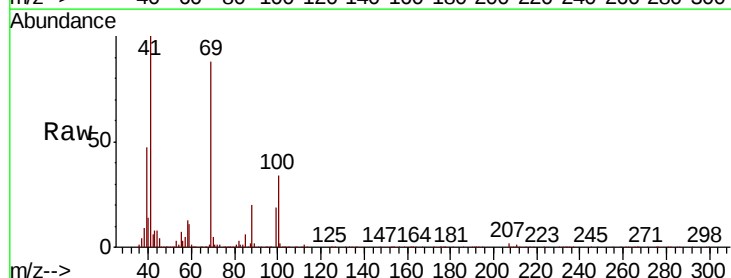
Tgt Ion: 41 Resp: 227510

Ion Ratio Lower Upper

41 100

69 87.9 74.2 111.2

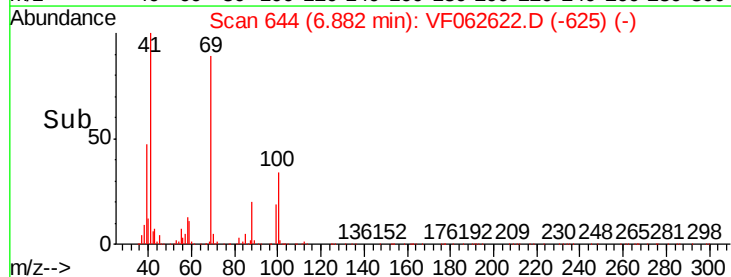
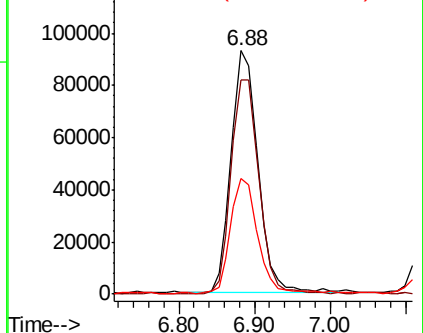
39 47.5 34.2 51.4

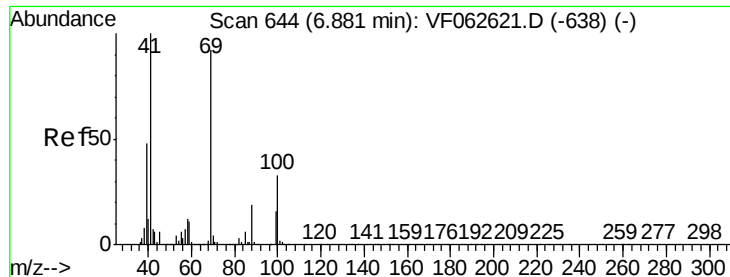


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 1240.998 ug/l

RT: 6.88 min Scan# 644

Delta R.T. 0.00 min

Lab File: VF062622.D

Acq: 16 May 2019 12:28

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

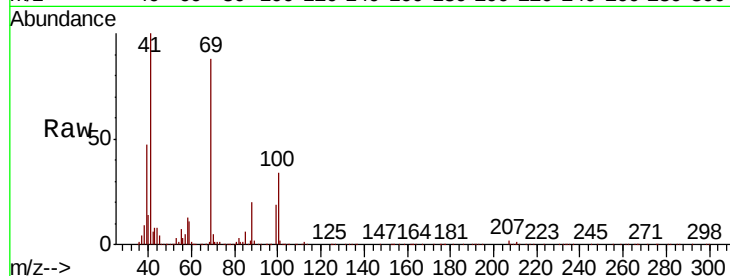
Tot Ion: 88 Resp: 59510

Ion Ratio Lower Upper

88 100

43 40.1 30.0 45.0

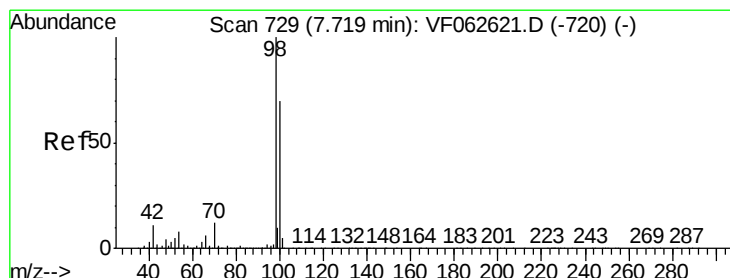
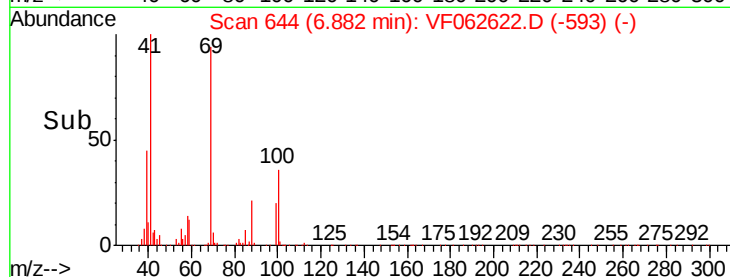
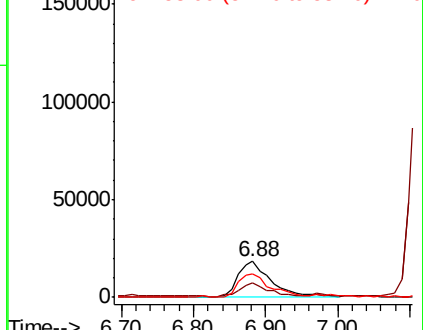
58 65.3 51.1 76.7



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: 62.103 ug/l

RT: 7.72 min Scan# 729

Delta R.T. 0.00 min

Lab File: VF062622.D

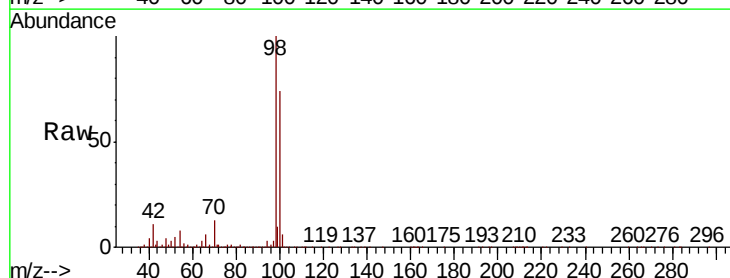
Acq: 16 May 2019 12:28

Tgt Ion: 98 Resp: 1499445

Ion Ratio Lower Upper

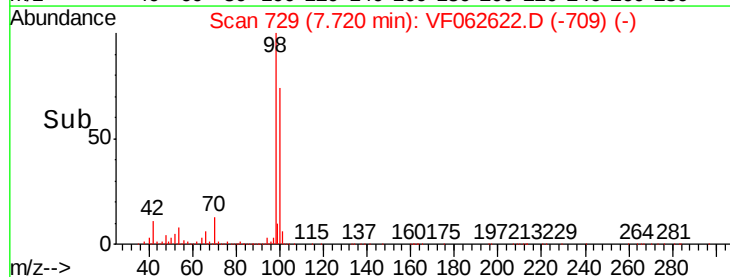
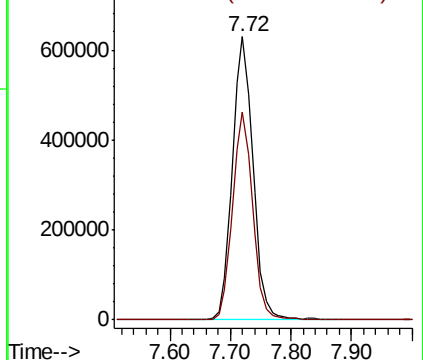
98 100

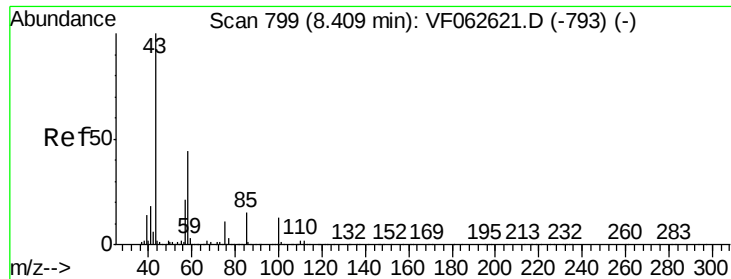
100 73.6 56.2 84.2



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: 295.533 ug/l

RT: 8.41 min Scan# 799

Delta R.T. 0.00 min

Lab File: VF062622.D

Acq: 16 May 2019 12:28

Instrument :

MSVOA_F

ClientSampleId :

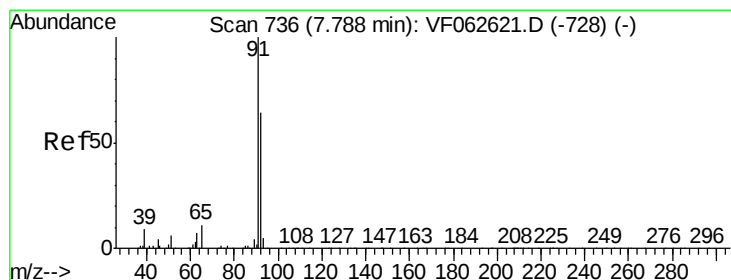
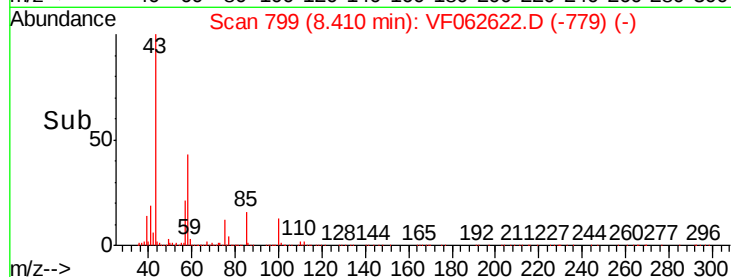
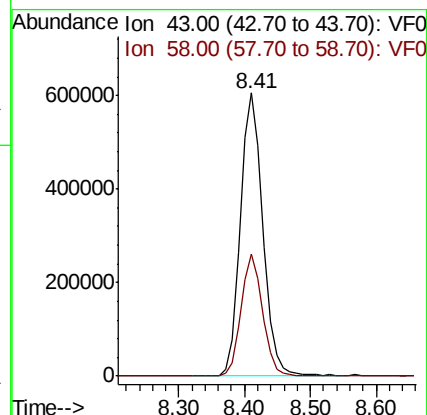
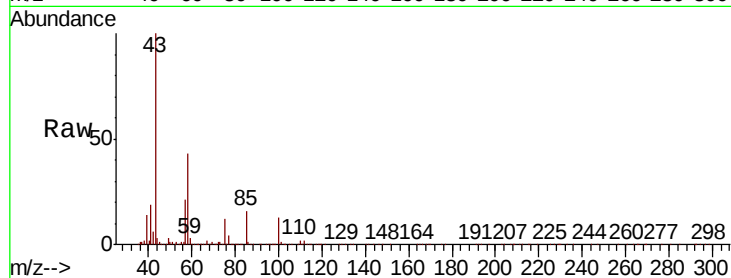
VSTDIC075

Tot Ion: 43 Resp: 1447006

Ion Ratio Lower Upper

43 100

58 43.0 34.9 52.3



#52

Toluene

Concen: 62.431 ug/l

RT: 7.79 min Scan# 736

Delta R.T. 0.00 min

Lab File: VF062622.D

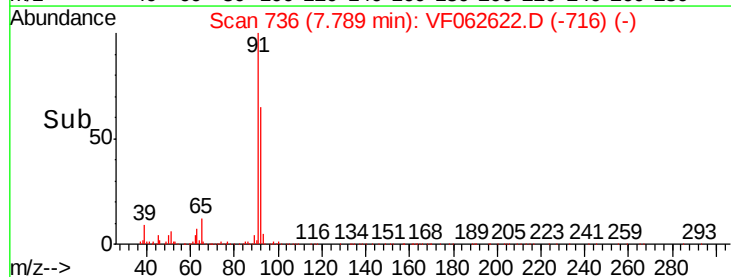
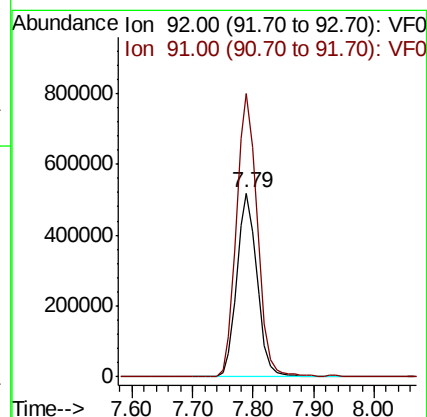
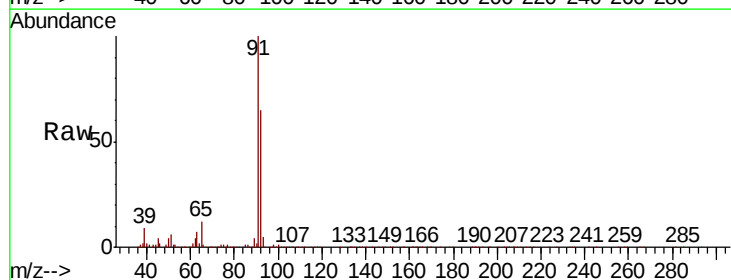
Acq: 16 May 2019 12:28

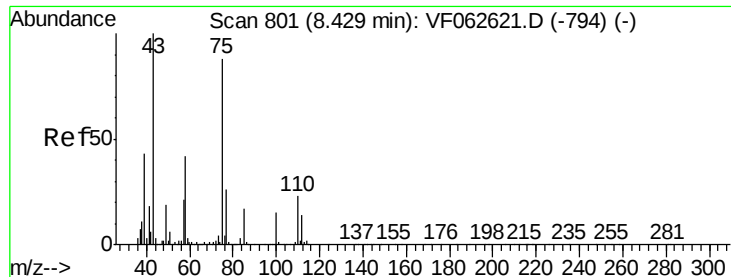
Tgt Ion: 92 Resp: 1207878

Ion Ratio Lower Upper

92 100

91 154.1 125.4 188.0

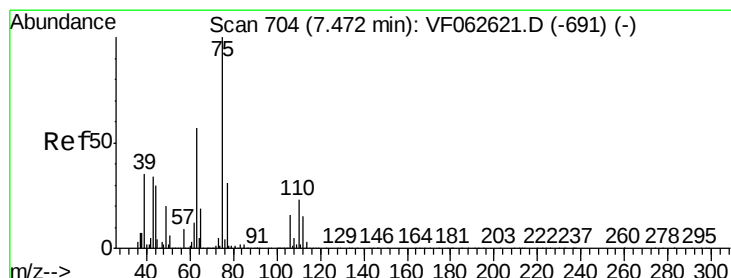
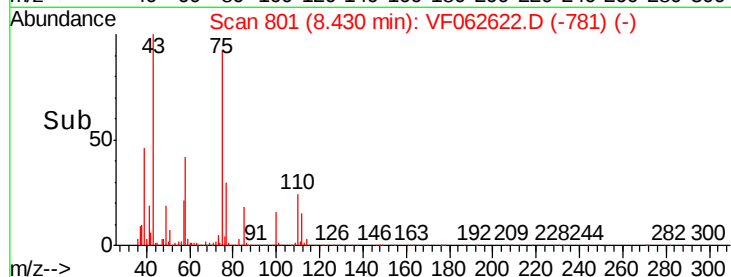
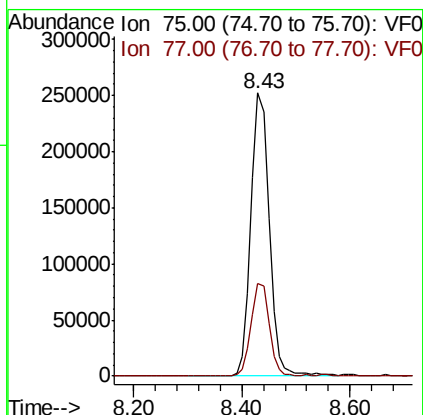
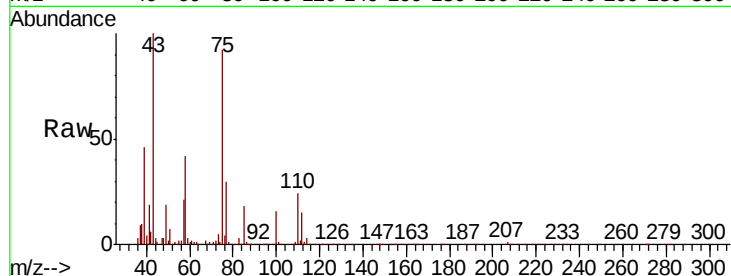




#53
 t-1,3-Dichloropropene
 Concen: 65.139 ug/l
 RT: 8.43 min Scan# 801
 Delta R.T. 0.00 min
 Lab File: VF062622.D
 Acq: 16 May 2019 12:28

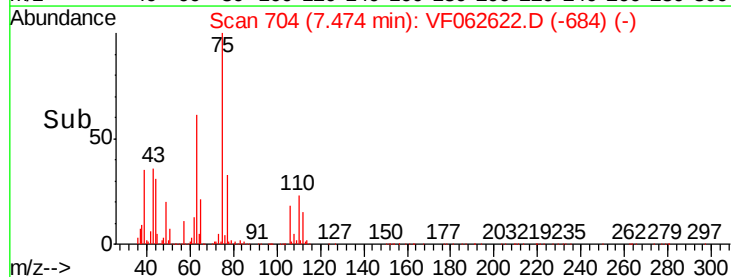
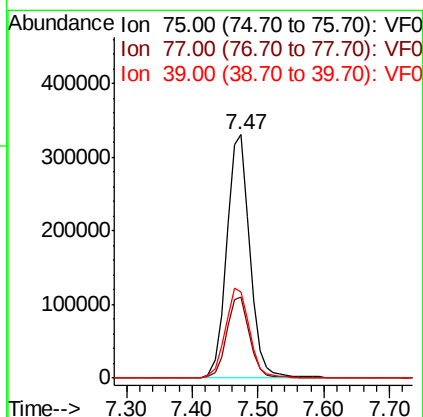
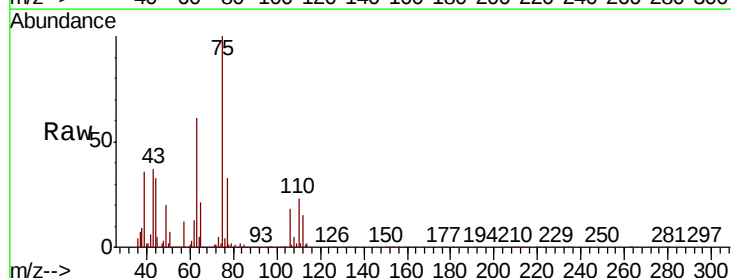
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

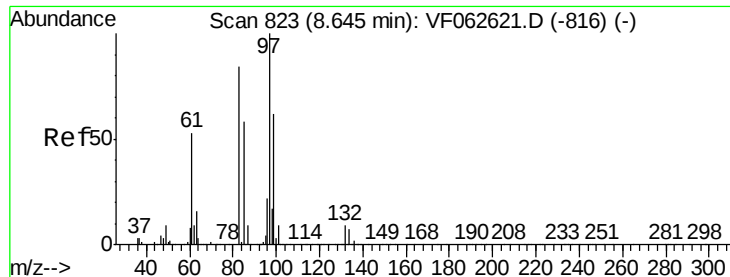
Tot Ion: 75 Resp: 595432
 Ion Ratio Lower Upper
 75 100
 77 32.8 24.2 36.4



#54
 cis-1,3-Dichloropropene
 Concen: 63.857 ug/l
 RT: 7.47 min Scan# 704
 Delta R.T. 0.00 min
 Lab File: VF062622.D
 Acq: 16 May 2019 12:28

Tgt Ion: 75 Resp: 817098
 Ion Ratio Lower Upper
 75 100
 77 33.5 25.3 37.9
 39 35.6 28.2 42.2





#55

1,1,2-Trichloroethane

Concen: 63.302 ug/l

RT: 8.65 min Scan# 823

Delta R.T. 0.00 min

Lab File: VF062622.D

Acq: 16 May 2019 12:28

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 97 Resp: 362626

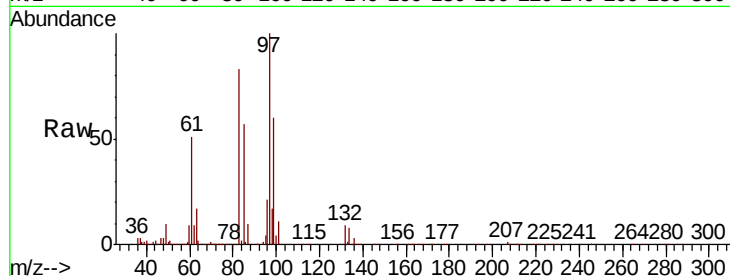
Ion Ratio Lower Upper

97 100

83 82.5 67.3 100.9

85 56.7 46.6 69.8

99 59.9 49.7 74.5

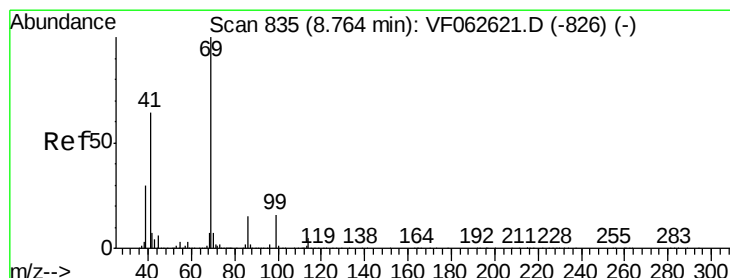
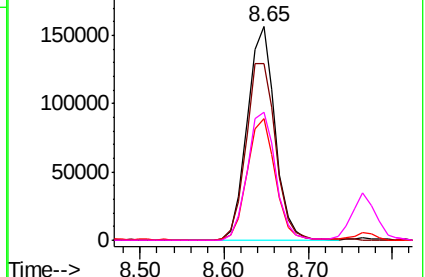
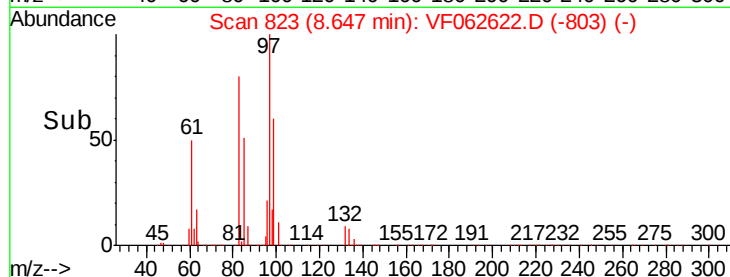


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 59.874 ug/l

RT: 8.76 min Scan# 835

Delta R.T. 0.00 min

Lab File: VF062622.D

Acq: 16 May 2019 12:28

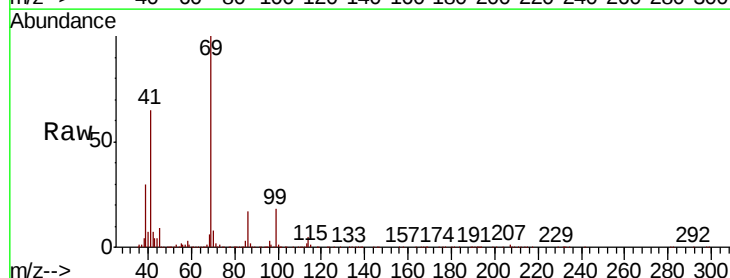
Tgt Ion: 69 Resp: 408630

Ion Ratio Lower Upper

69 100

41 64.7 51.4 77.2

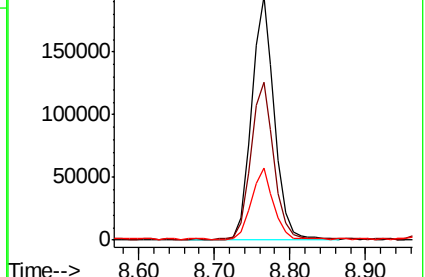
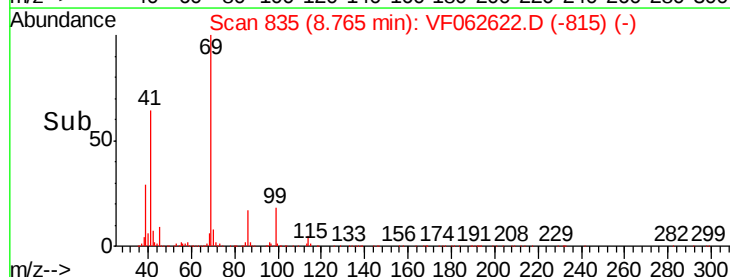
39 29.6 23.6 35.4

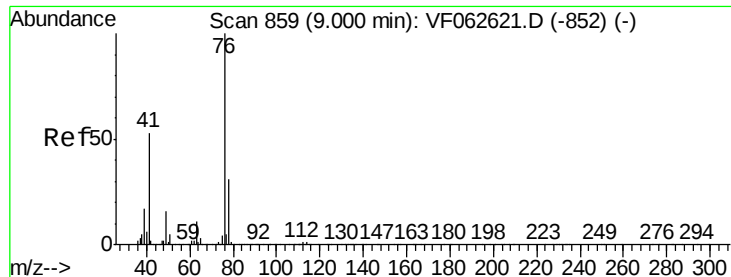


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 61.552 ug/l

RT: 9.00 min Scan# 859

Delta R.T. 0.00 min

Lab File: VF062622.D

Acq: 16 May 2019 12:28

Instrument :

MSVOA_F

ClientSampleId :

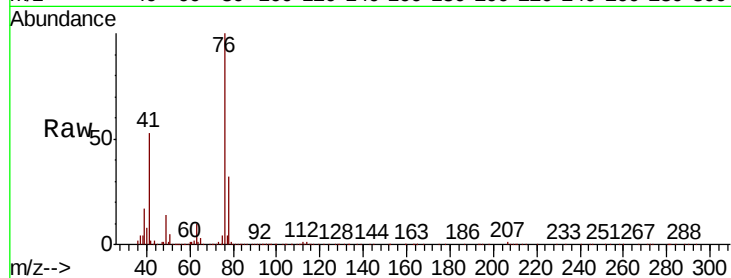
VSTDIC075

Tot Ion: 76 Resp: 600586

Ion Ratio Lower Upper

76 100

78 32.4 25.4 38.0



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0

9.00

300000

250000

200000

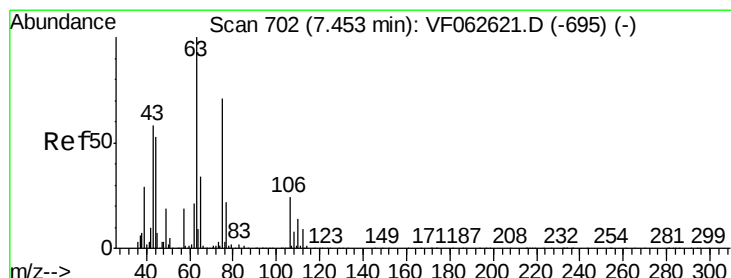
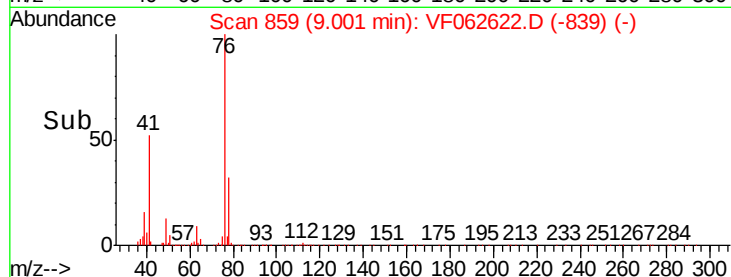
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 338.120 ug/l

RT: 7.45 min Scan# 702

Delta R.T. 0.00 min

Lab File: VF062622.D

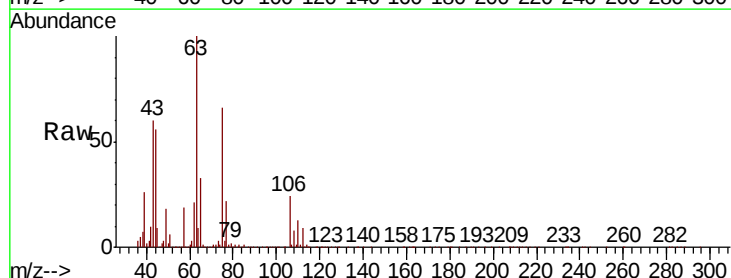
Acq: 16 May 2019 12:28

Tgt Ion: 63 Resp: 751124

Ion Ratio Lower Upper

63 100

106 24.1 19.1 28.7



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

7.45

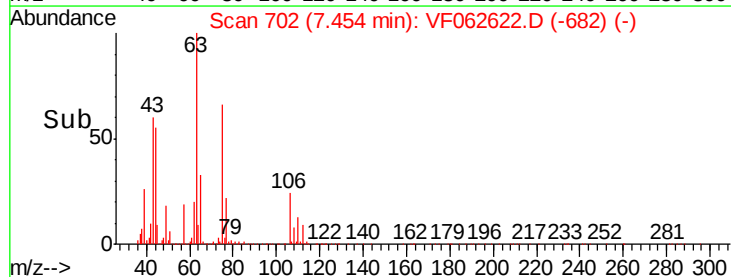
300000

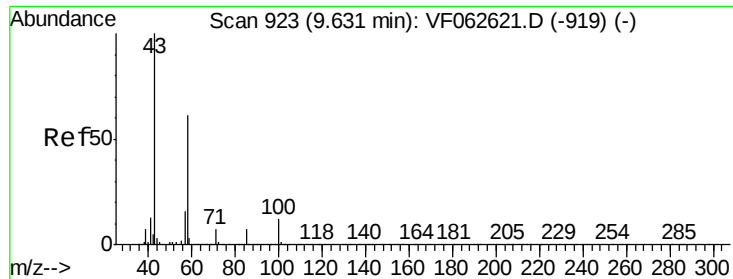
200000

100000

0

Time-->

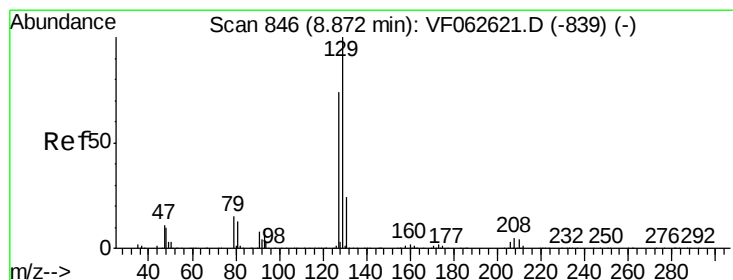
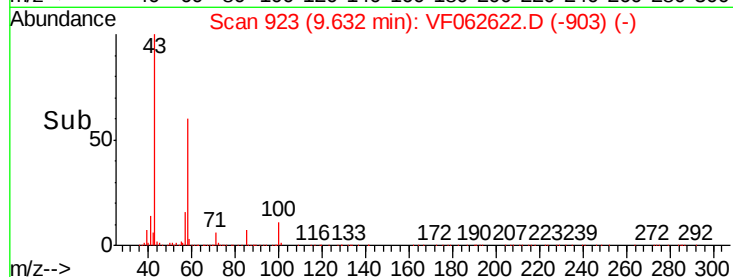
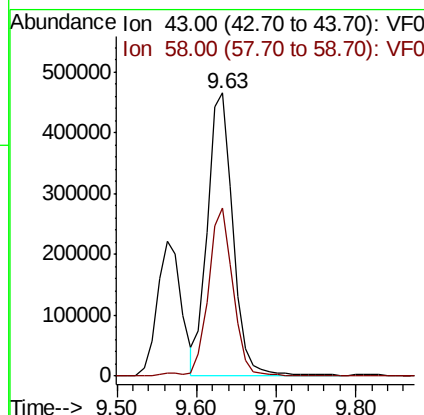
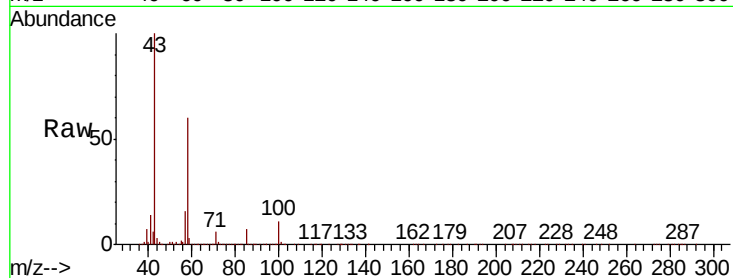




#59
2-Hexanone
Concen: 290.161 ug/l
RT: 9.63 min Scan# 923
Delta R.T. 0.00 min
Lab File: VF062622.D
Acq: 16 May 2019 12:28

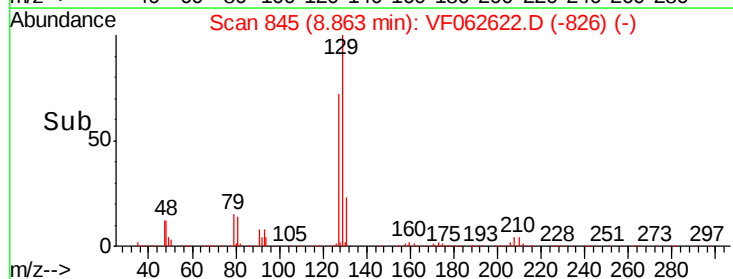
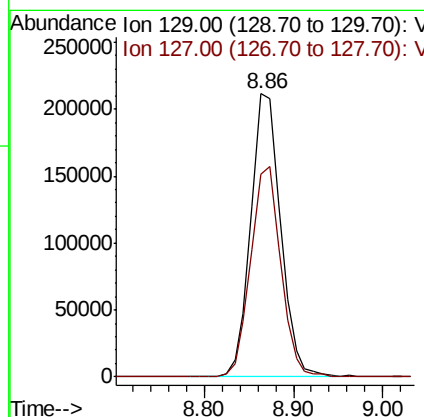
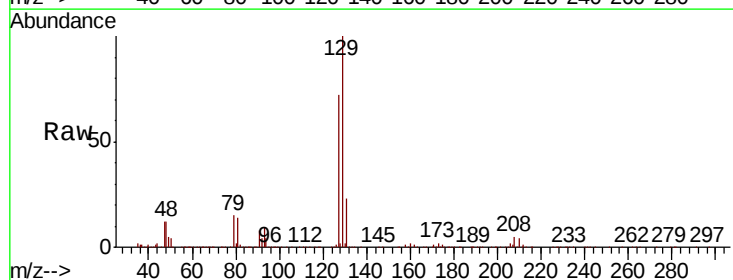
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

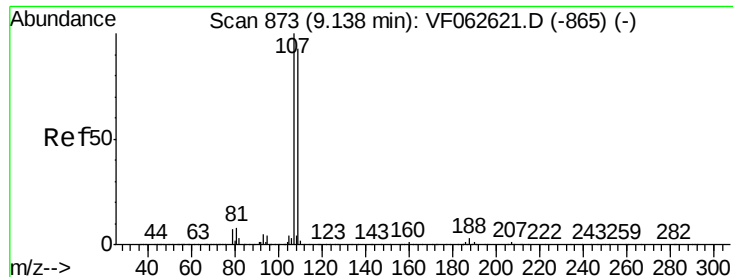
Tot Ion: 43 Resp: 1038737
Ion Ratio Lower Upper
43 100
58 59.6 28.1 84.4



#60
Dibromochloromethane
Concen: 65.668 ug/l
RT: 8.86 min Scan# 845
Delta R.T. -0.01 min
Lab File: VF062622.D
Acq: 16 May 2019 12:28

Tgt Ion: 129 Resp: 490279
Ion Ratio Lower Upper
129 100
127 71.8 37.2 111.6





#61

1,2-Dibromoethane

Concen: 65.879 ug/l

RT: 9.14 min Scan# 873

Delta R.T. 0.00 min

Lab File: VF062622.D

Acq: 16 May 2019 12:28

Instrument :

MSVOA_F

ClientSampleId :

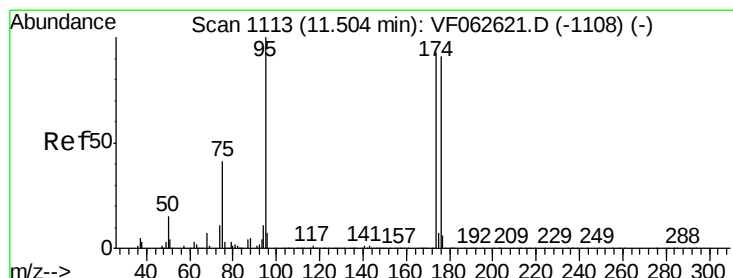
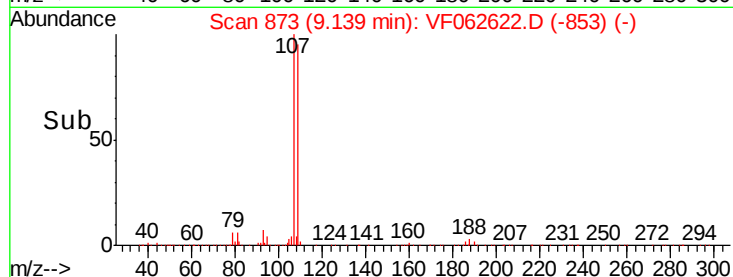
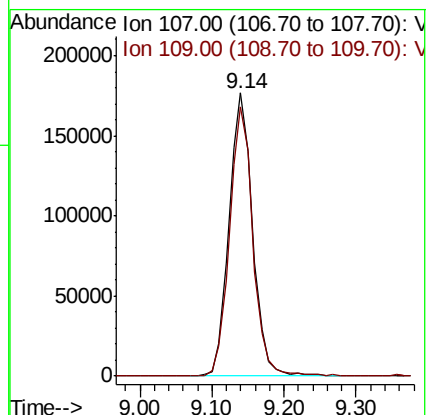
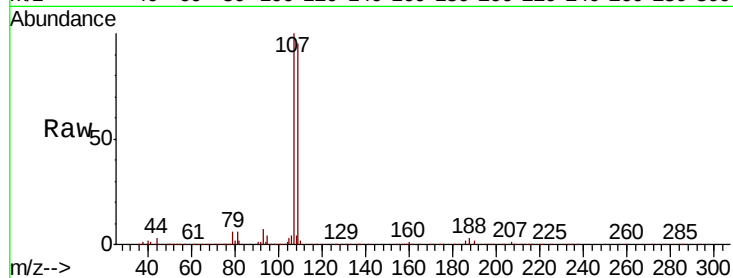
VSTDIC075

Tot Ion:107 Resp: 400841

Ion Ratio Lower Upper

107 100

109 95.2 74.8 112.2



#62

4-Bromofluorobenzene

Concen: 62.628 ug/l

RT: 11.50 min Scan# 1112

Delta R.T. -0.01 min

Lab File: VF062622.D

Acq: 16 May 2019 12:28

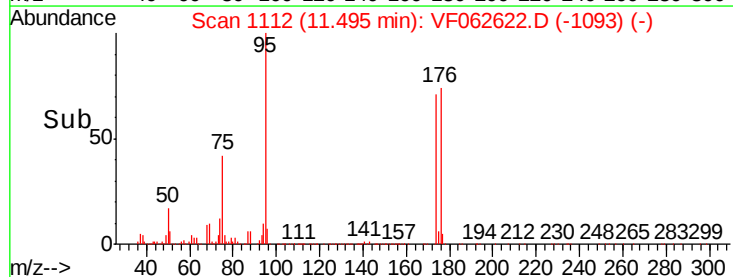
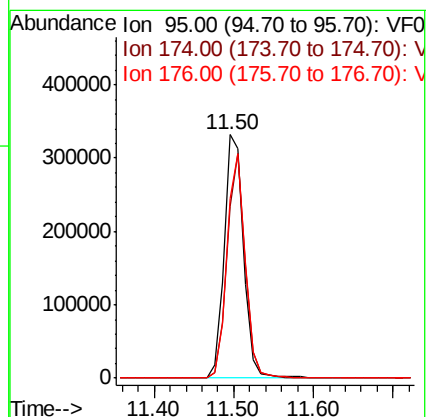
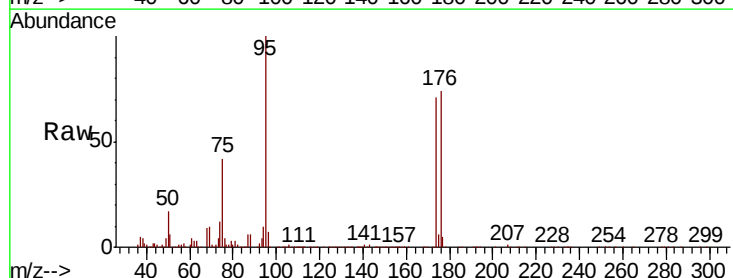
Tgt Ion: 95 Resp: 573500

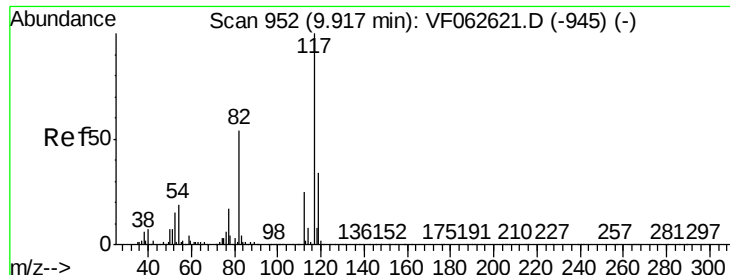
Ion Ratio Lower Upper

95 100

174 70.8 0.0 185.6

176 73.9 0.0 182.4

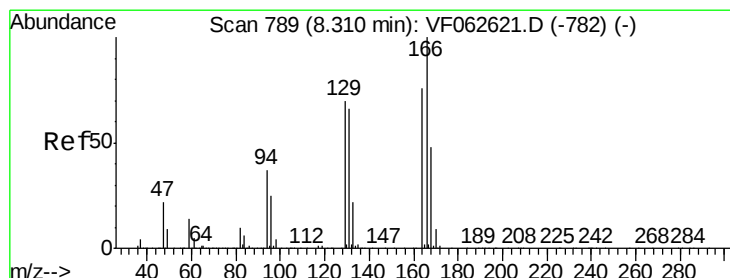
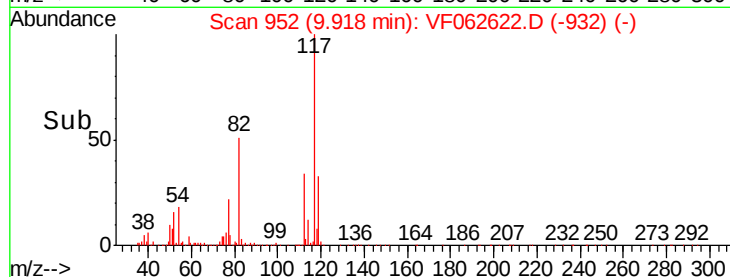
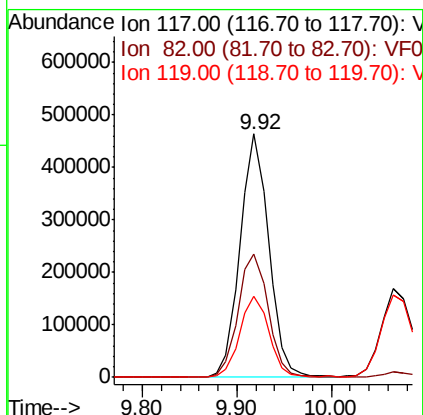
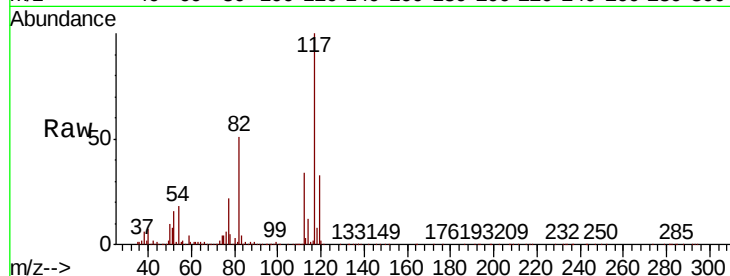




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 952
Delta R.T. 0.00 min
Lab File: VF062622.D
Acq: 16 May 2019 12:28

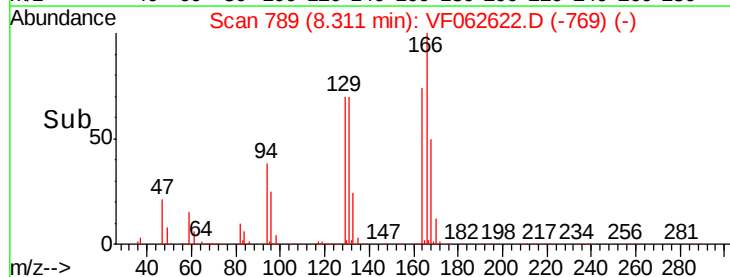
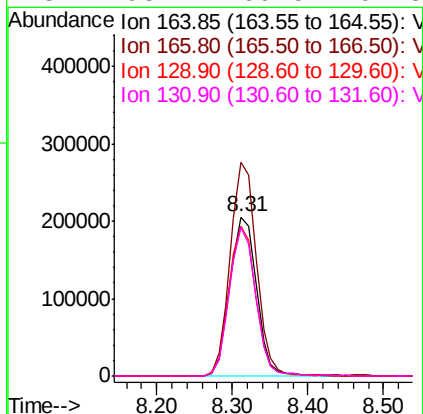
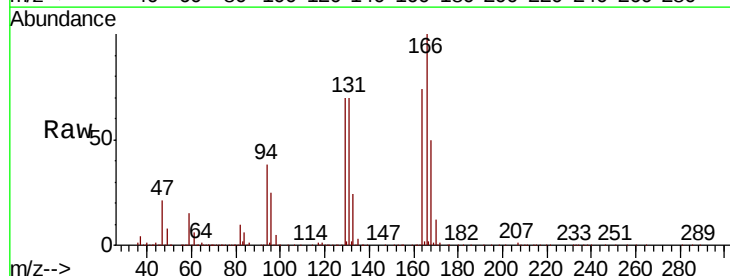
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

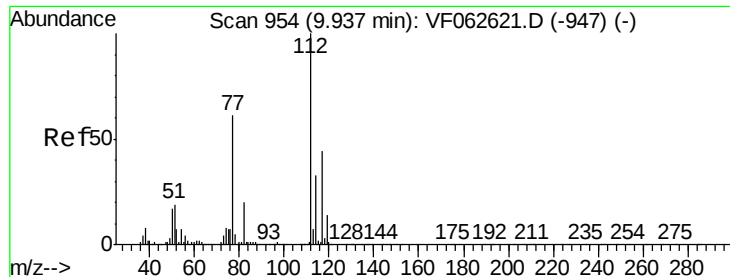
Tot Ion	Ratio	Lower	Upper
117	100		
82	50.6	43.3	64.9
119	33.4	27.4	41.0



#64
Tetrachloroethene
Concen: 64.938 ug/l
RT: 8.31 min Scan# 789
Delta R.T. 0.00 min
Lab File: VF062622.D
Acq: 16 May 2019 12:28

Tgt Ion	Ratio	Lower	Upper
164	100		
166	134.3	105.5	158.3
129	93.8	73.8	110.6
131	93.4	69.5	104.3





#65

Chlorobenzene

Concen: 64.853 ug/l

RT: 9.94 min Scan# 954

Delta R.T. 0.00 min

Lab File: VF062622.D

Acq: 16 May 2019 12:28

Instrument :

MSVOA_F

ClientSampleId :

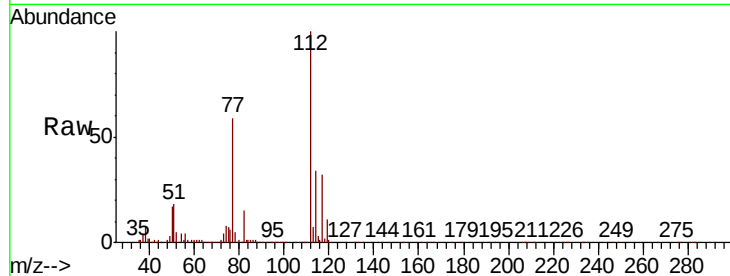
VSTDIC075

Tot Ion:112 Resp: 1247971

Ion Ratio Lower Upper

112 100

114 33.6 26.8 40.2



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

9.94

600000

500000

400000

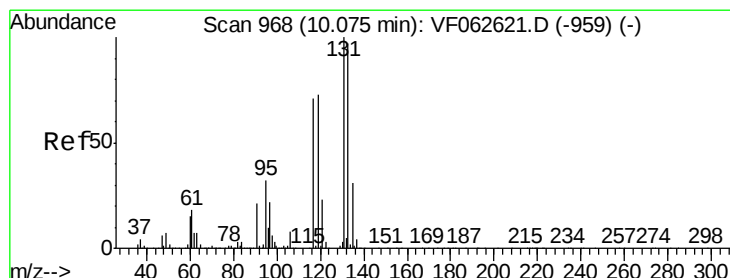
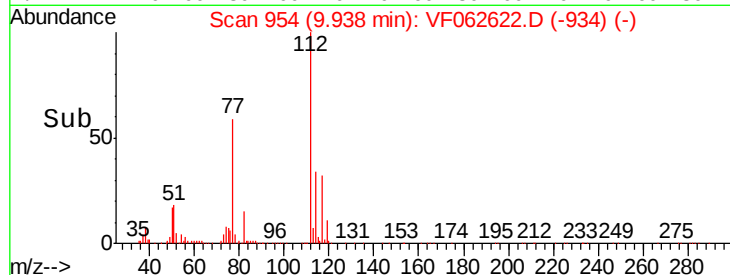
300000

200000

100000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 64.995 ug/l

RT: 10.07 min Scan# 967

Delta R.T. -0.01 min

Lab File: VF062622.D

Acq: 16 May 2019 12:28

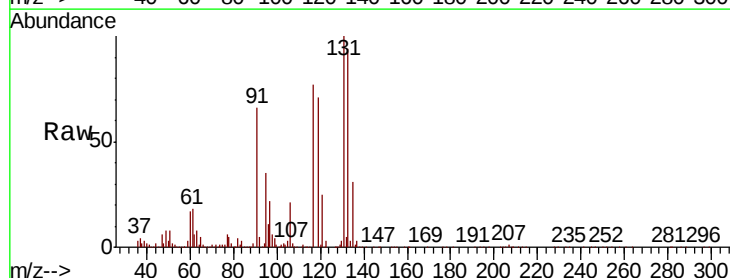
Tgt Ion:131 Resp: 502093

Ion Ratio Lower Upper

131 100

133 94.3 48.5 145.5

119 70.9 36.8 110.4



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

300000

250000

200000

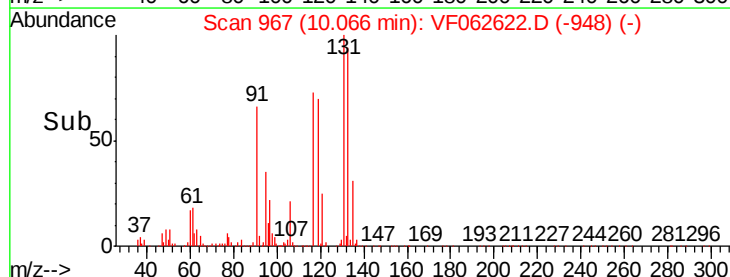
150000

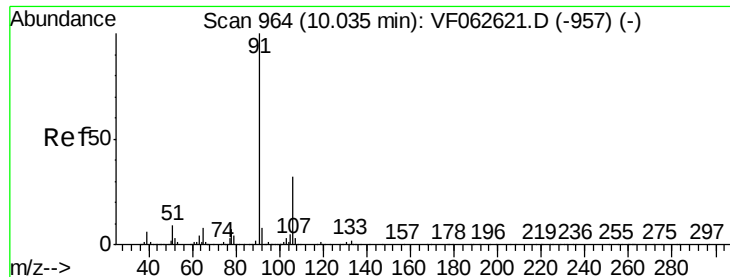
100000

50000

0

Time-->

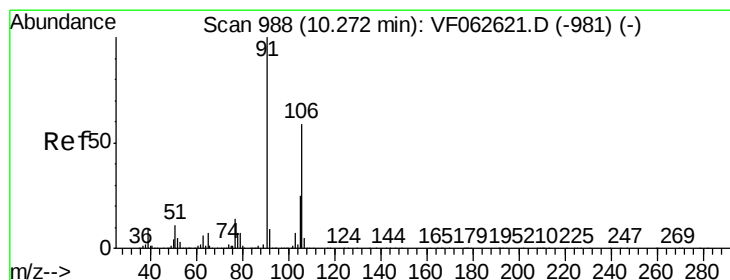
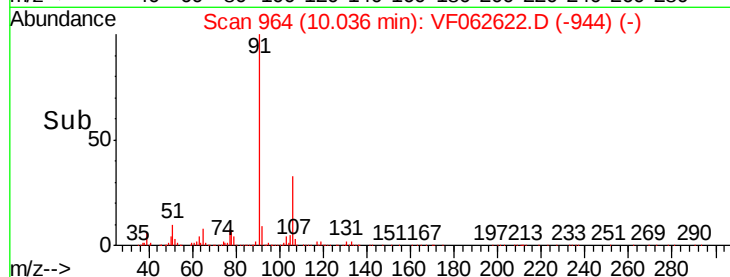
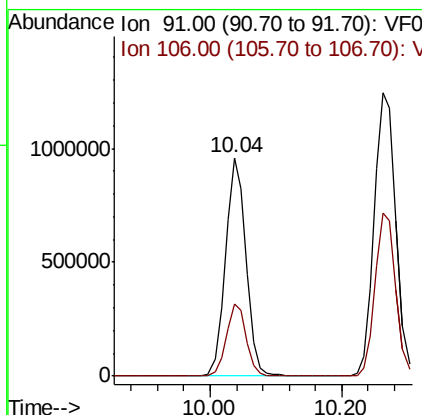
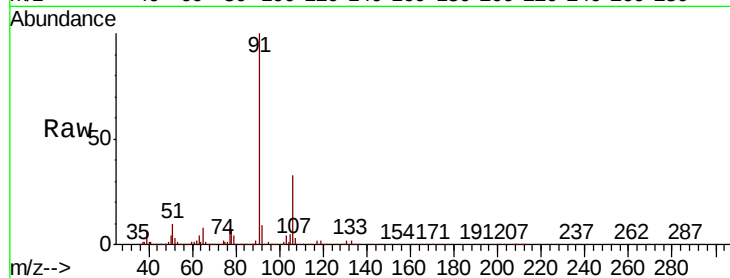




#67
Ethyl Benzene
Concen: 62.587 ug/l
RT: 10.04 min Scan# 964
Delta R.T. 0.00 min
Lab File: VF062622.D
Acq: 16 May 2019 12:28

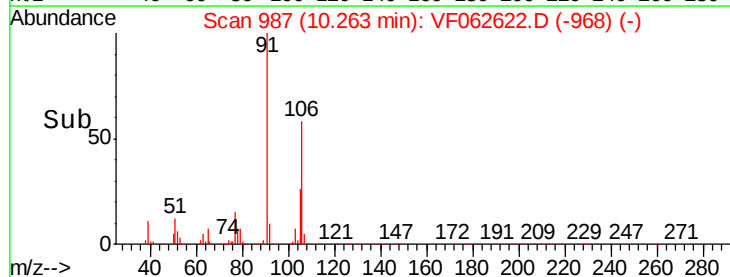
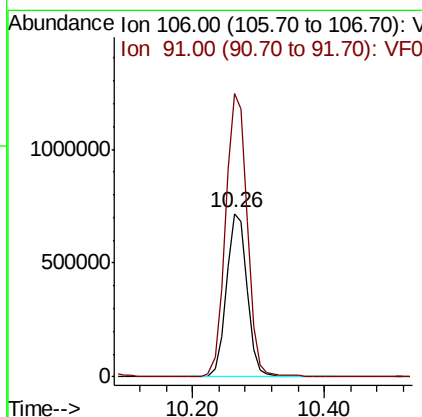
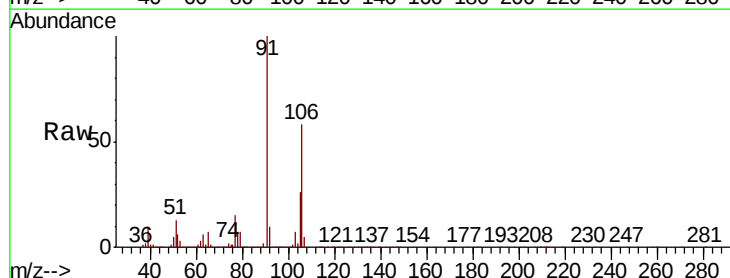
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

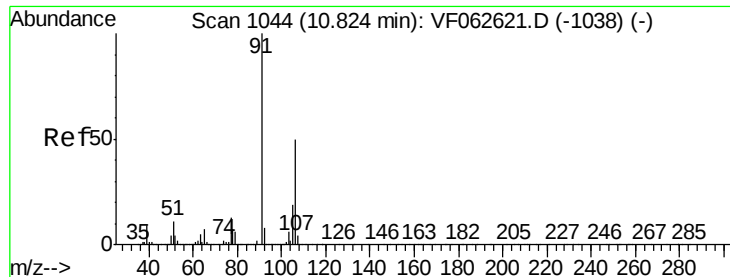
Tot Ion: 91 Resp: 2092251
Ion Ratio Lower Upper
91 100
106 33.0 25.8 38.8



#68
m/p-Xylenes
Concen: 125.532 ug/l
RT: 10.26 min Scan# 987
Delta R.T. -0.01 min
Lab File: VF062622.D
Acq: 16 May 2019 12:28

Tgt Ion: 106 Resp: 1577223
Ion Ratio Lower Upper
106 100
91 173.4 136.9 205.3

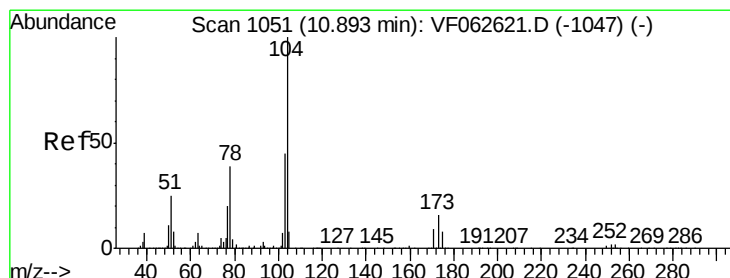
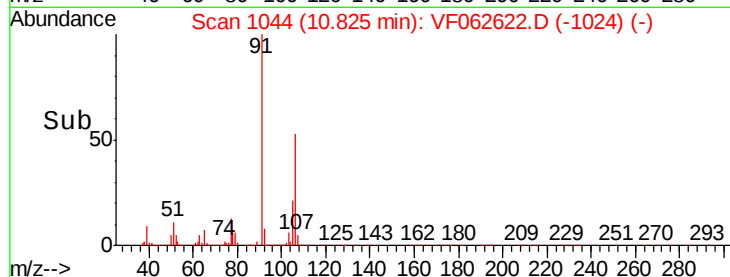
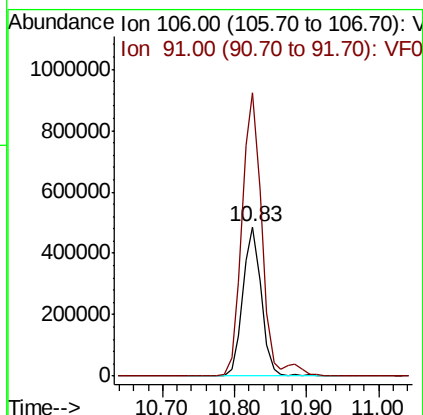
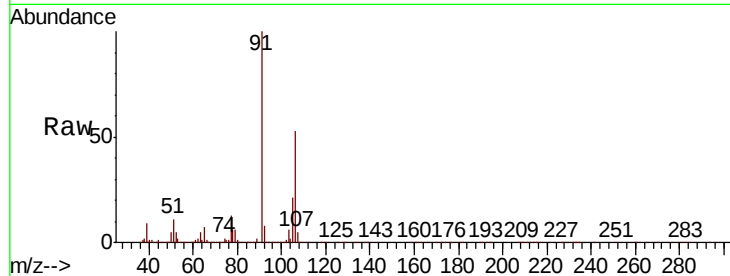




#69
o-Xylene
Concen: 67.858 ug/l
RT: 10.83 min Scan# 1044
Delta R.T. 0.00 min
Lab File: VF062622.D
Acq: 16 May 2019 12:28

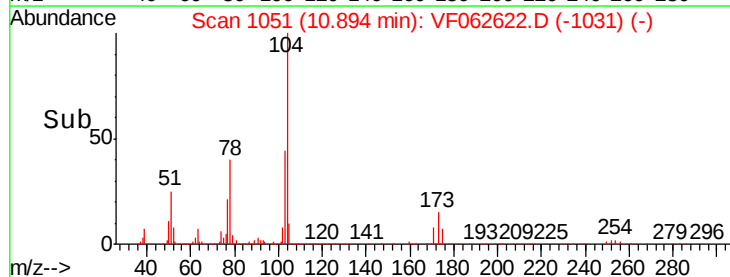
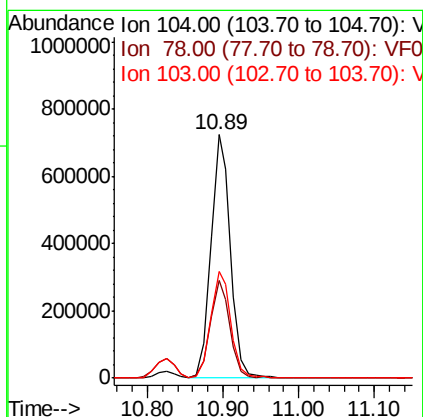
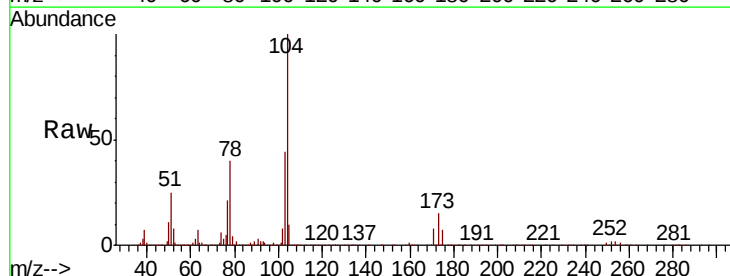
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

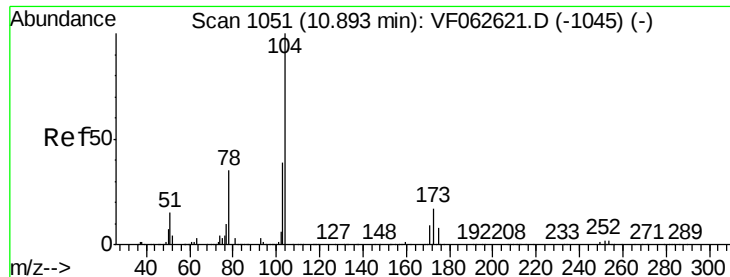
Tot Ion:106 Resp: 878172
Ion Ratio Lower Upper
106 100
91 189.4 100.2 300.5



#70
Styrene
Concen: 66.374 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VF062622.D
Acq: 16 May 2019 12:28

Tgt Ion:104 Resp: 1305588
Ion Ratio Lower Upper
104 100
78 40.1 31.9 47.9
103 43.8 36.1 54.1

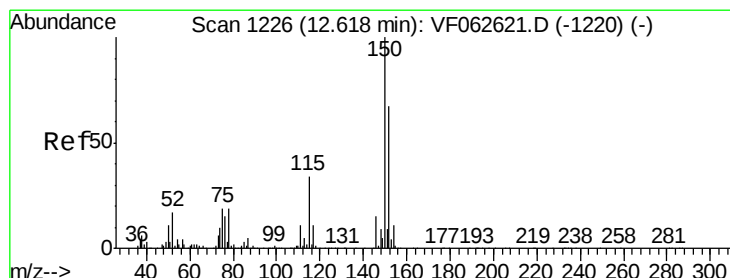
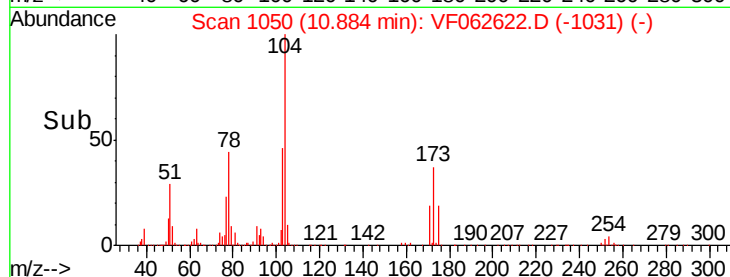
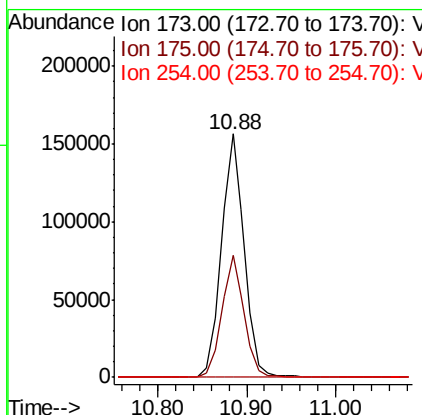
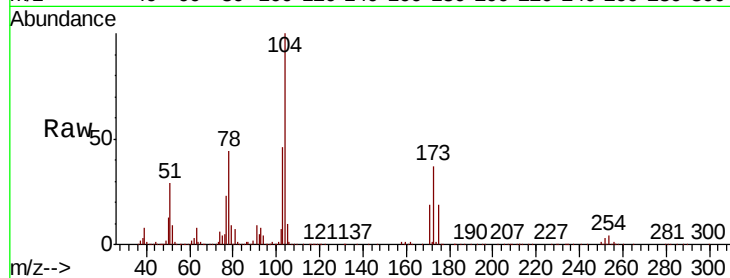




#71
Bromoform
Concen: 72.634 ug/l
RT: 10.88 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VF062622.D
Acq: 16 May 2019 12:28

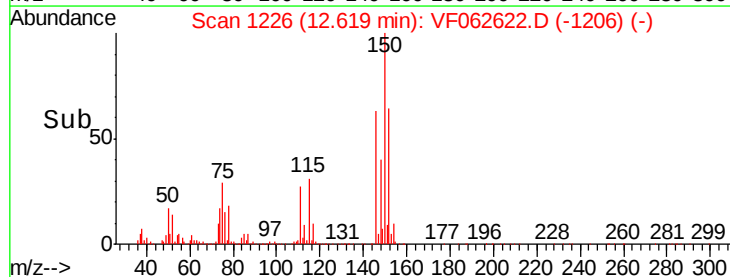
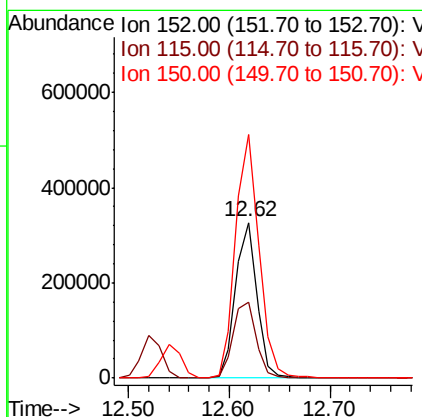
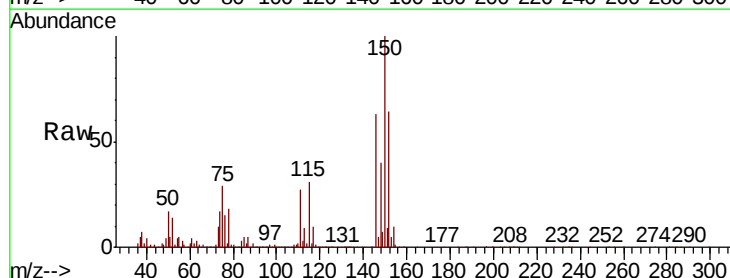
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

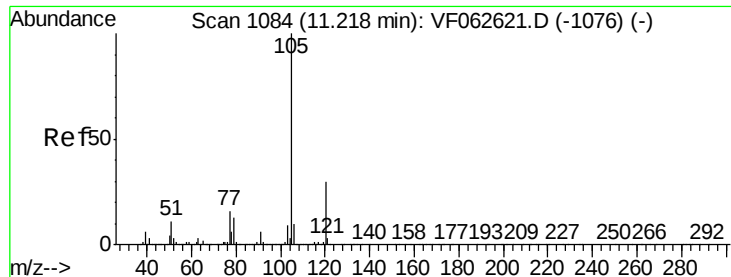
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.9	25.3	75.9
254	0.3	0.2	0.2#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.62 min Scan# 1226
Delta R.T. 0.00 min
Lab File: VF062622.D
Acq: 16 May 2019 12:28

Tgt Ion	Ratio	Lower	Upper
152	100		
115	48.6	25.2	75.6
150	156.8	0.0	306.2





#73

Isopropylbenzene

Concen: 63.282 ug/l

RT: 11.22 min Scan# 1084

Delta R.T. 0.00 min

Lab File: VF062622.D

Acq: 16 May 2019 12:28

Instrument :

MSVOA_F

ClientSampleId :

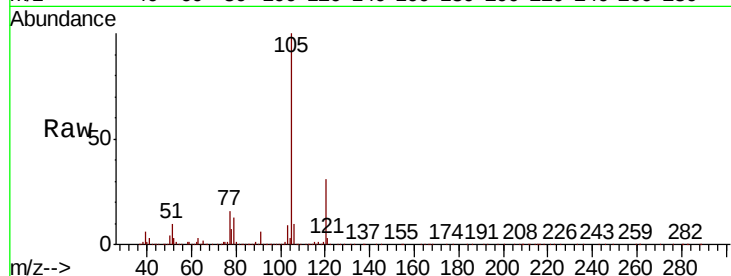
VSTDIC075

Tot Ion:105 Resp: 2193637

Ion Ratio Lower Upper

105 100

120 30.9 14.8 44.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.22

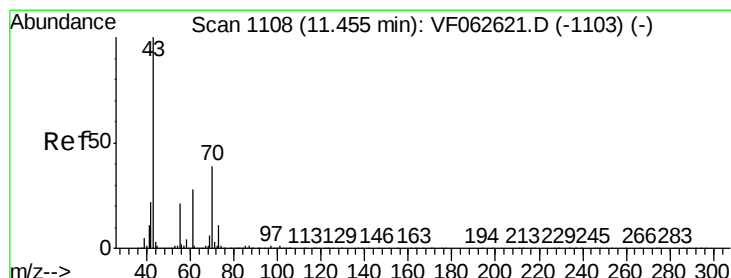
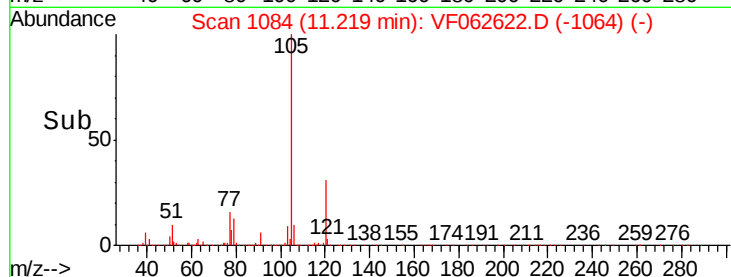
1000000

500000

0

Time-->

11.20 11.40



#74

N-ethyl acetate

Concen: 55.338 ug/l

RT: 11.46 min Scan# 1108

Delta R.T. 0.00 min

Lab File: VF062622.D

Acq: 16 May 2019 12:28

Tgt Ion: 43 Resp: 591788

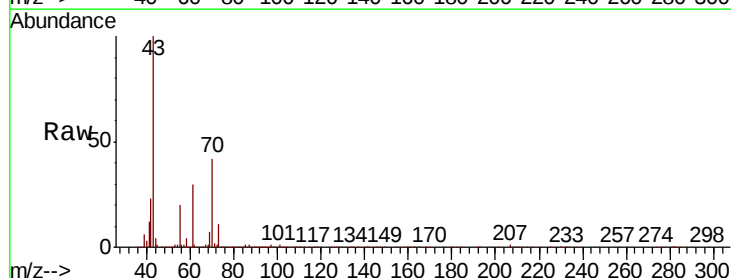
Ion Ratio Lower Upper

43 100

70 41.6 30.9 46.3

55 20.5 17.0 25.4

61 29.9 22.6 34.0



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

500000

400000

300000

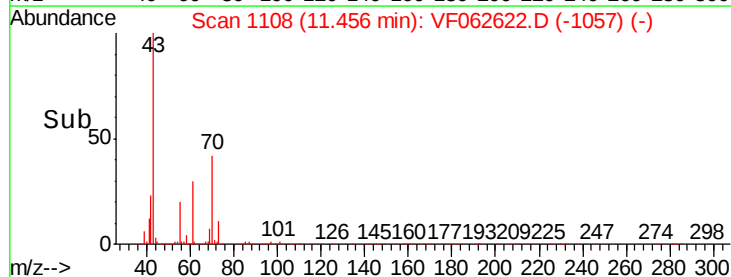
200000

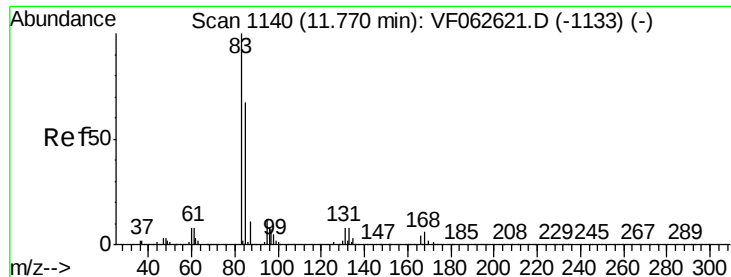
100000

0

Time-->

11.40 11.50 11.60





#75

1,1,2,2-Tetrachloroethane

Concen: 63.532 ug/l

RT: 11.77 min Scan# 1140

Delta R.T. 0.00 min

Lab File: VF062622.D

Acq: 16 May 2019 12:28

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

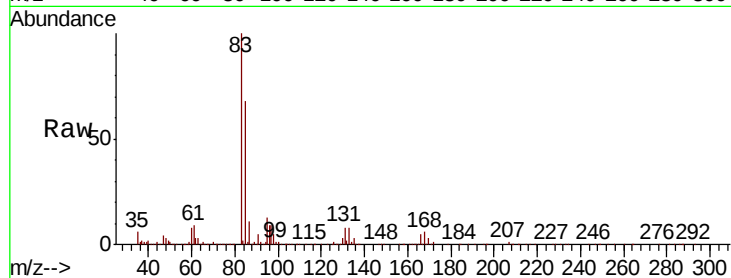
Tot Ion: 83 Resp: 450072

Ion Ratio Lower Upper

83 100

131 8.4 4.0 12.0

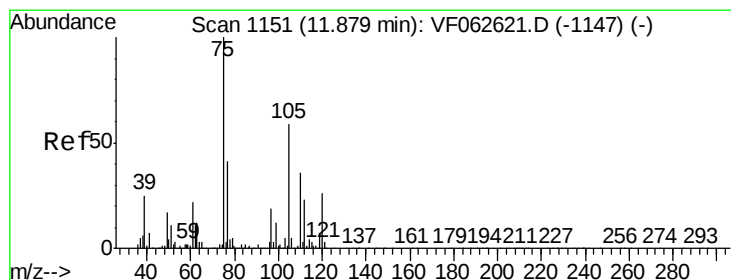
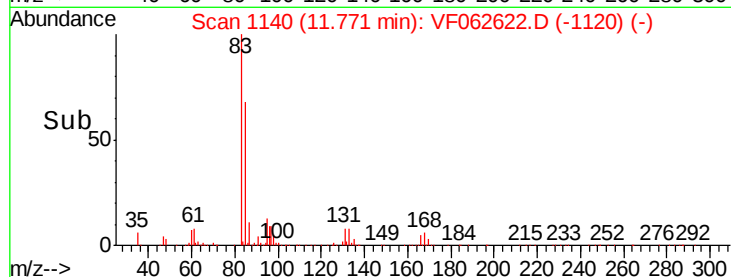
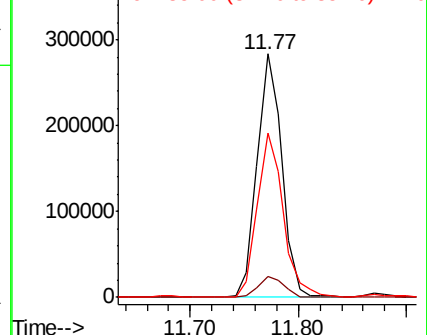
85 67.5 33.5 100.5



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): VF0

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 63.841 ug/l

RT: 11.87 min Scan# 1150

Delta R.T. -0.01 min

Lab File: VF062622.D

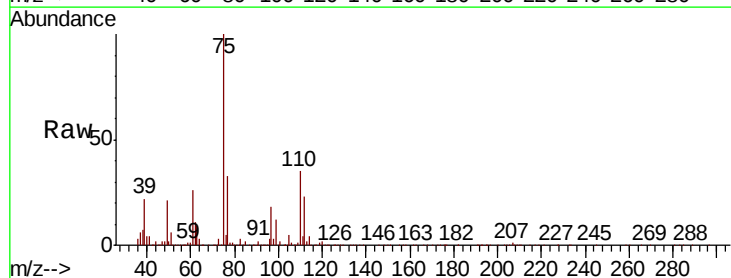
Acq: 16 May 2019 12:28

Tgt Ion: 75 Resp: 297162

Ion Ratio Lower Upper

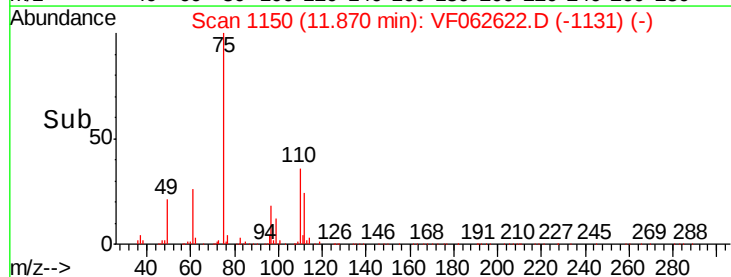
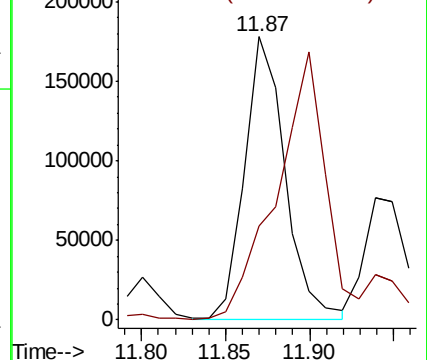
75 100

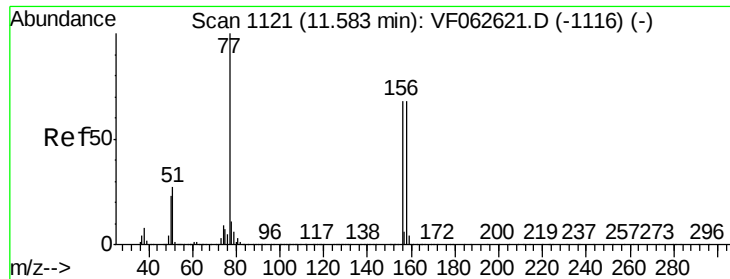
77 33.3 20.6 61.8



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 66.345 ug/l

RT: 11.58 min Scan# 1121

Delta R.T. 0.00 min

Lab File: VF062622.D

Acq: 16 May 2019 12:28

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

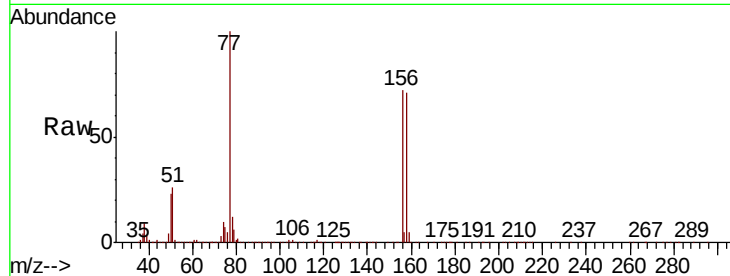
Tot Ion:156 Resp: 571659

Ion Ratio Lower Upper

156 100

77 139.3 73.6 220.8

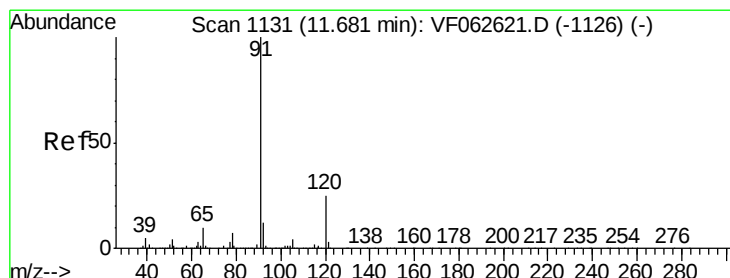
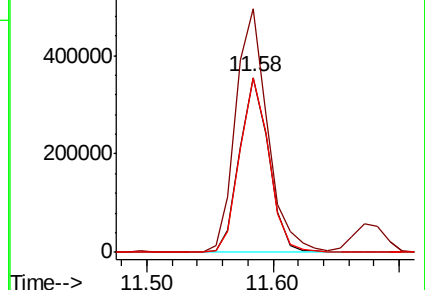
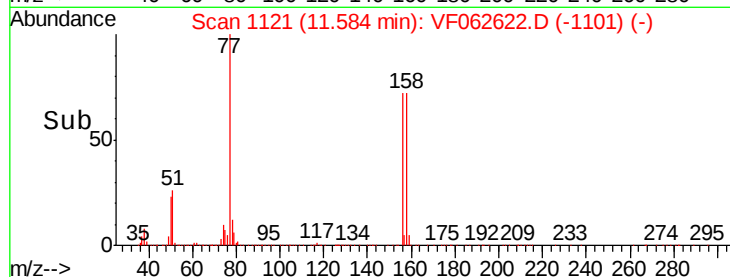
158 99.5 49.6 148.8



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 62.495 ug/l

RT: 11.67 min Scan# 1130

Delta R.T. -0.01 min

Lab File: VF062622.D

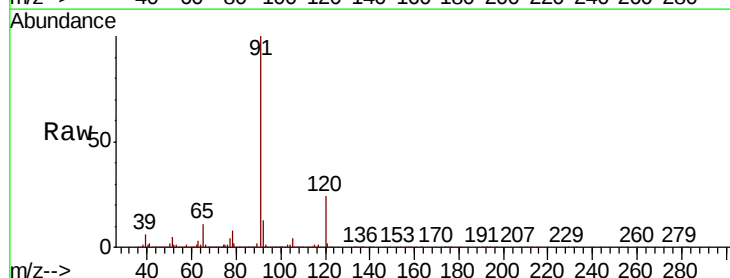
Acq: 16 May 2019 12:28

Tgt Ion: 91 Resp: 2563792

Ion Ratio Lower Upper

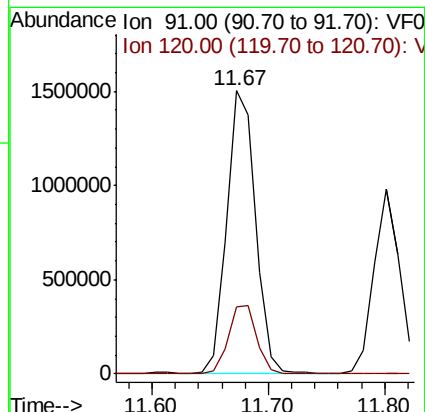
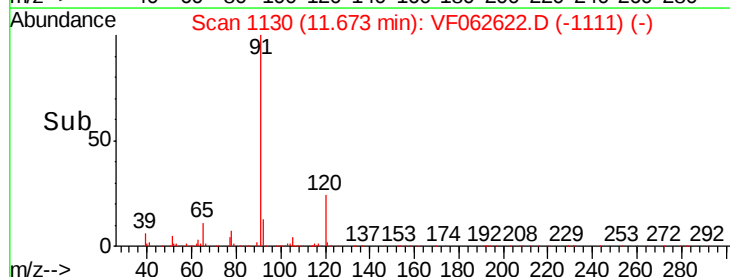
91 100

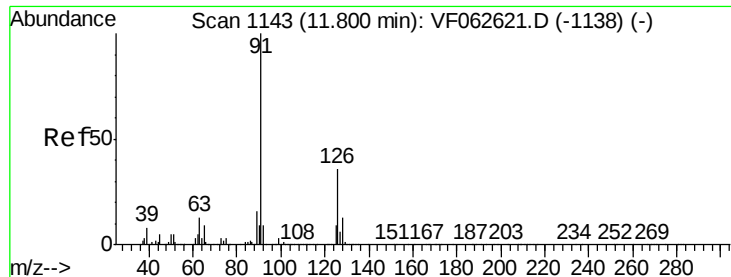
120 23.8 12.7 38.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

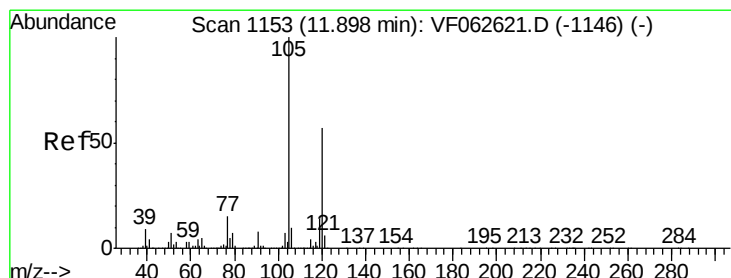
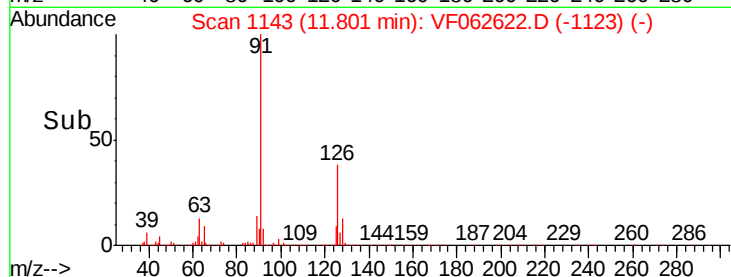
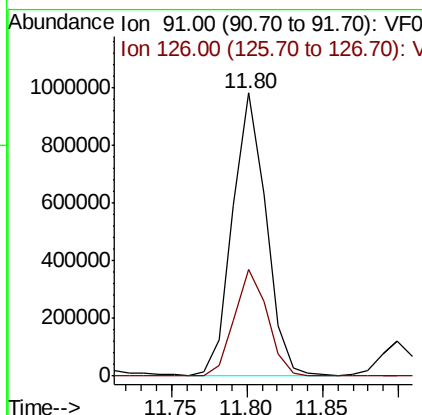
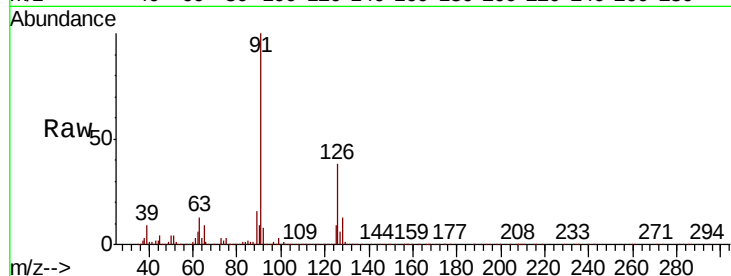




#79
 2-Chlorotoluene
 Concen: 64.871 ug/l
 RT: 11.80 min Scan# 1143
 Delta R.T. 0.00 min
 Lab File: VF062622.D
 Acq: 16 May 2019 12:28

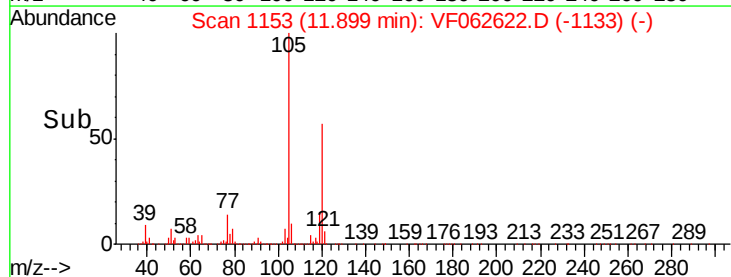
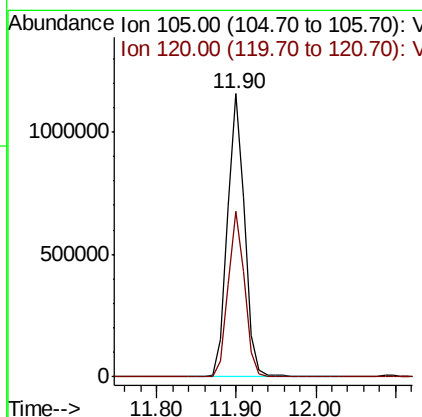
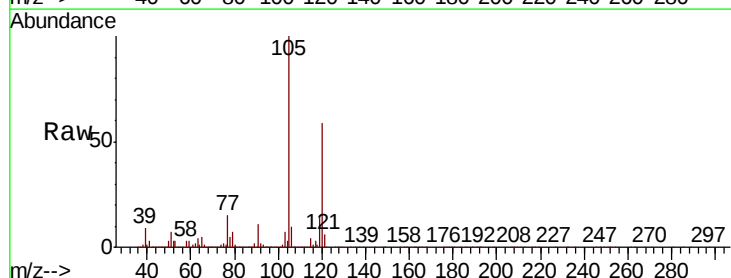
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

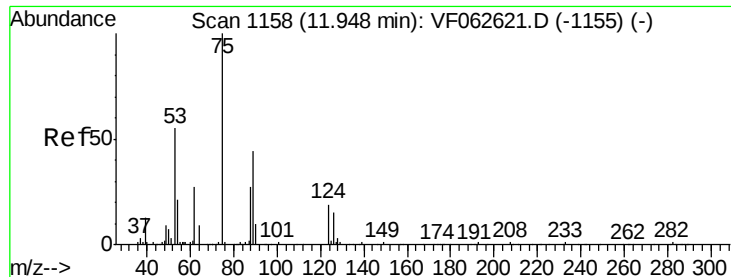
Tot Ion: 91 Resp: 1499815
 Ion Ratio Lower Upper
 91 100
 126 37.8 18.1 54.4



#80
 1,3,5-Trimethylbenzene
 Concen: 63.288 ug/l
 RT: 11.90 min Scan# 1153
 Delta R.T. 0.00 min
 Lab File: VF062622.D
 Acq: 16 May 2019 12:28

Tgt Ion: 105 Resp: 1759132
 Ion Ratio Lower Upper
 105 100
 120 58.6 28.7 86.3

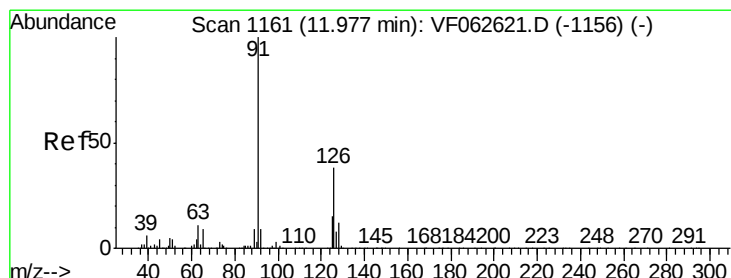
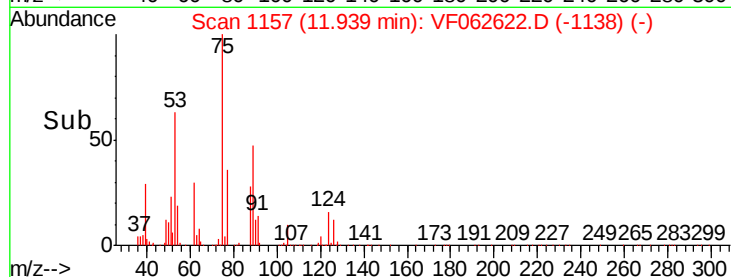
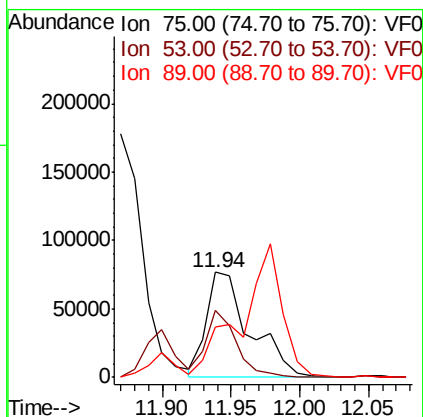
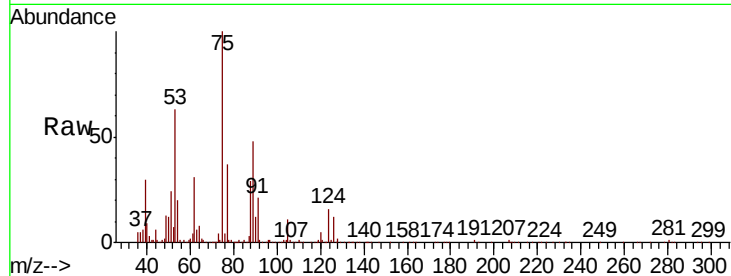




#81
trans-1,4-Dichloro-2-butene
Concen: 64.321 ug/l
RT: 11.94 min Scan# 1157
Delta R.T. -0.01 min
Lab File: VF062622.D
Acq: 16 May 2019 12:28

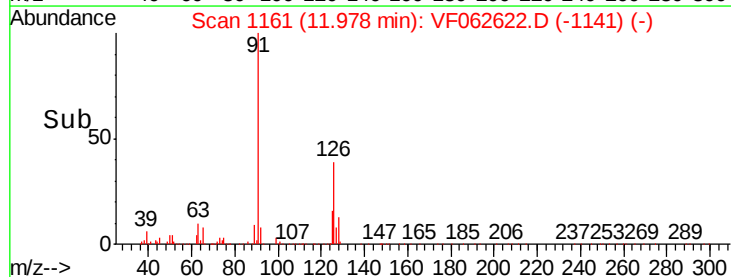
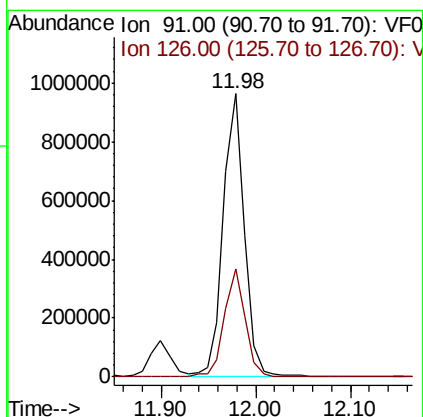
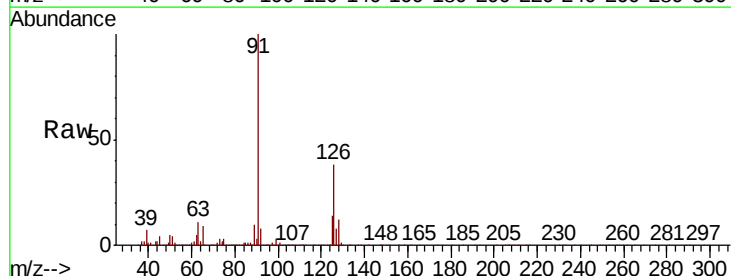
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

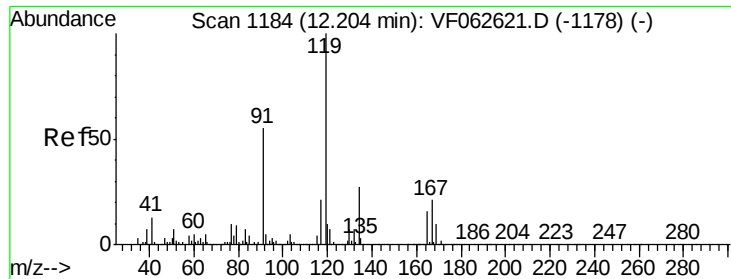
Tot Ion: 75 Resp: 166342
Ion Ratio Lower Upper
75 100
53 63.3 46.9 70.3
89 47.7 36.4 54.6



#82
4-Chlorotoluene
Concen: 64.909 ug/l
RT: 11.98 min Scan# 1161
Delta R.T. 0.00 min
Lab File: VF062622.D
Acq: 16 May 2019 12:28

Tgt Ion: 91 Resp: 1479862
Ion Ratio Lower Upper
91 100
126 38.1 19.1 57.1





#83

tert-Butylbenzene

Concen: 63.905 ug/l

RT: 12.21 min Scan# 1184

Delta R.T. 0.00 min

Lab File: VF062622.D

Acq: 16 May 2019 12:28

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

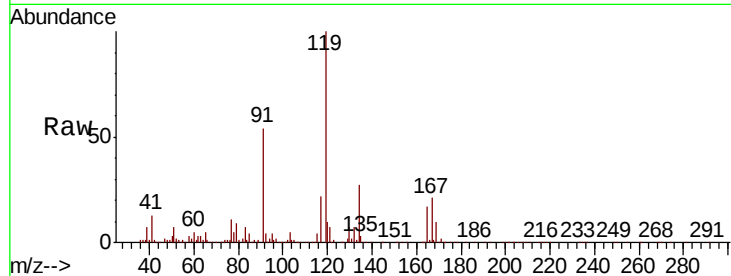
Tot Ion:119 Resp: 1802115

Ion Ratio Lower Upper

119 100

91 54.5 27.3 81.9

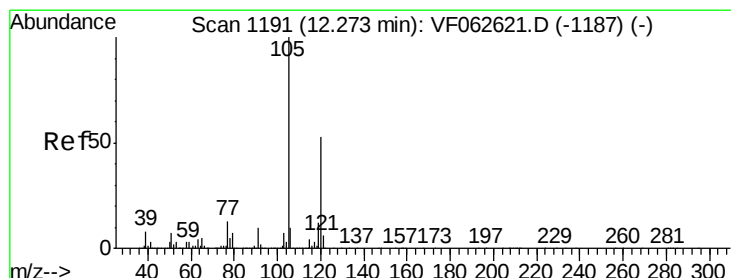
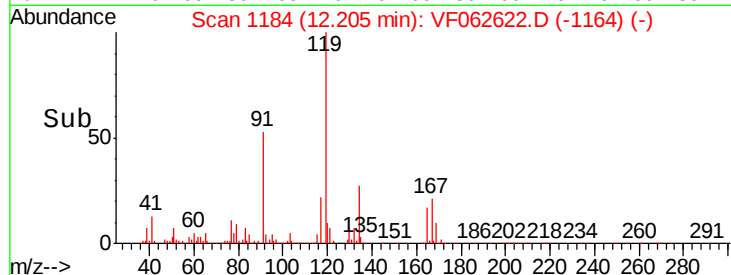
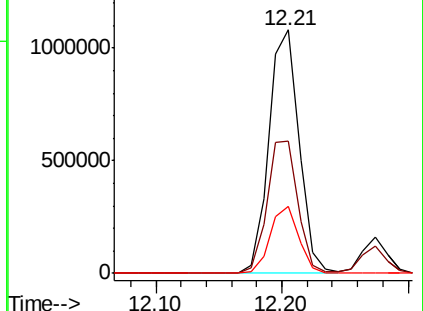
134 27.3 13.6 40.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VF0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 62.244 ug/l

RT: 12.27 min Scan# 1191

Delta R.T. 0.00 min

Lab File: VF062622.D

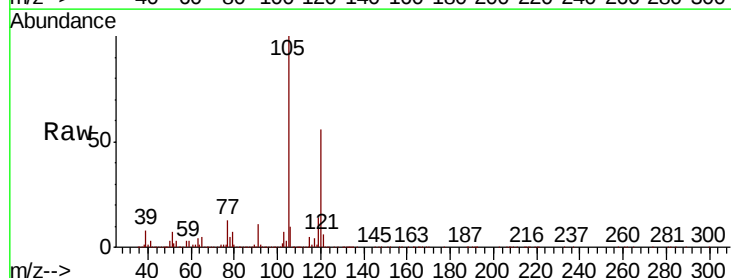
Acq: 16 May 2019 12:28

Tgt Ion:105 Resp: 1674518

Ion Ratio Lower Upper

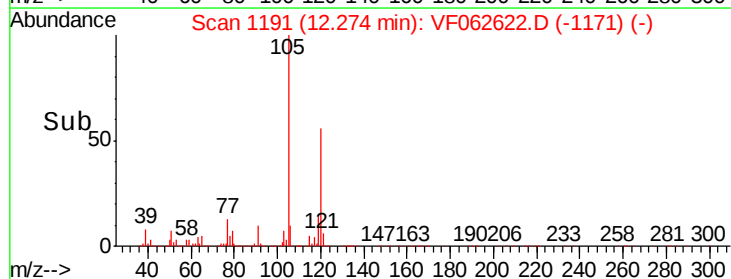
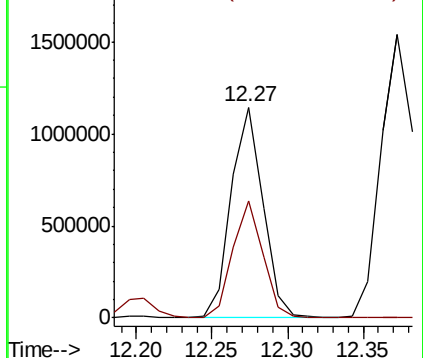
105 100

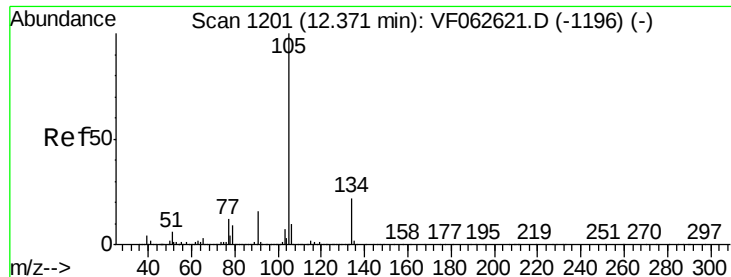
120 55.6 26.7 80.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 63.192 ug/l

RT: 12.37 min Scan# 1201

Delta R.T. 0.00 min

Lab File: VF062622.D

Acq: 16 May 2019 12:28

Instrument :

MSVOA_F

ClientSampleId :

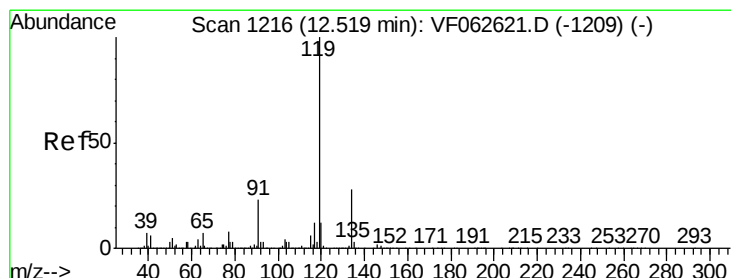
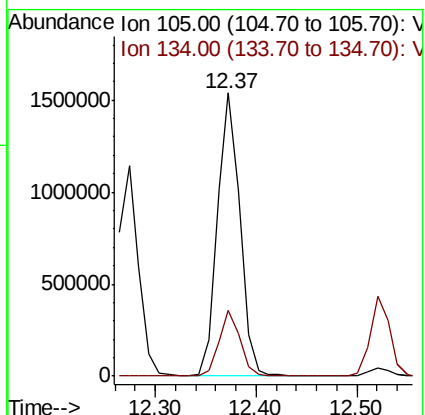
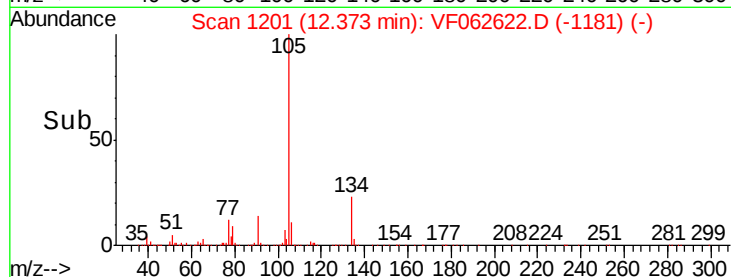
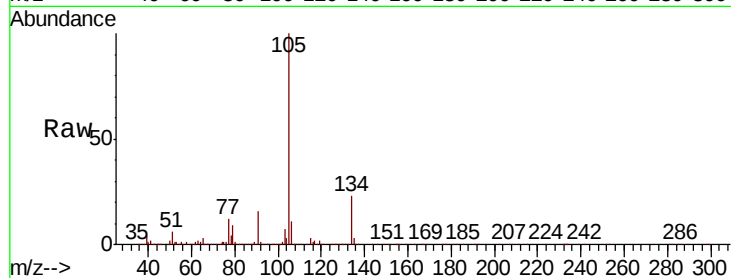
VSTDIC075

Tot Ion:105 Resp: 2391495

Ion Ratio Lower Upper

105 100

134 23.1 10.8 32.4



#86

p-Isopropyltoluene

Concen: 62.418 ug/l

RT: 12.52 min Scan# 1216

Delta R.T. 0.00 min

Lab File: VF062622.D

Acq: 16 May 2019 12:28

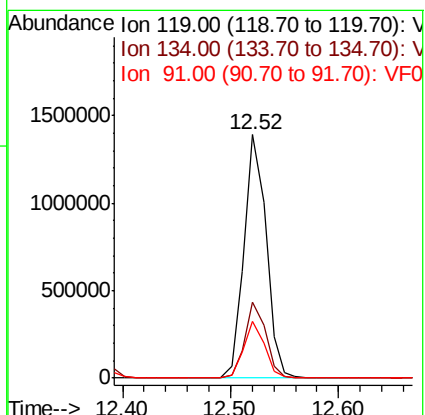
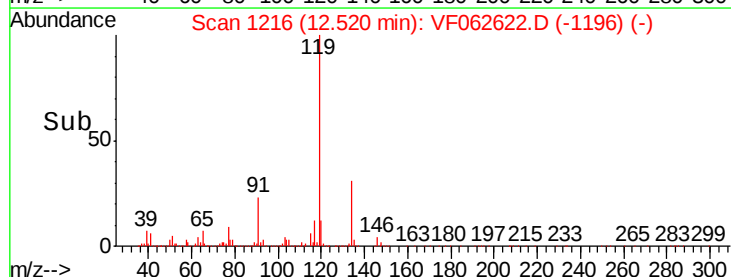
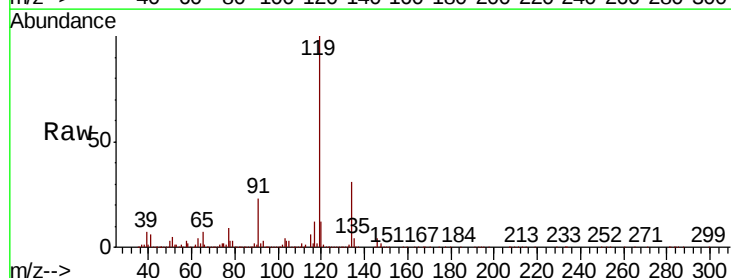
Tgt Ion:119 Resp: 1990760

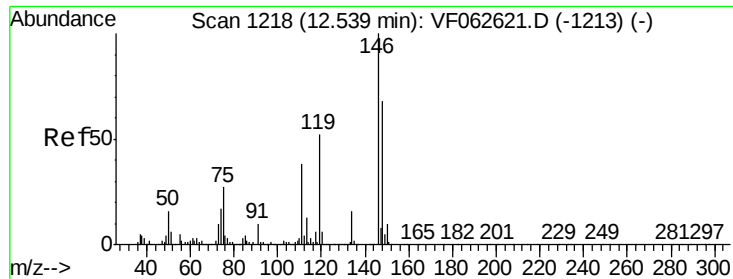
Ion Ratio Lower Upper

119 100

134 31.3 14.1 42.3

91 23.3 11.4 34.2





#87

1,3-Dichlorobenzene

Concen: 61.847 ug/l

RT: 12.54 min Scan# 1218

Delta R.T. 0.00 min

Lab File: VF062622.D

Acq: 16 May 2019 12:28

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

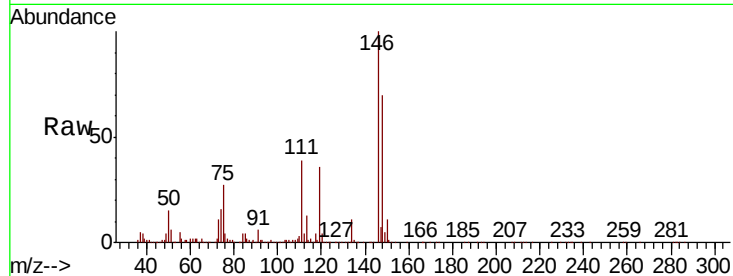
Tot Ion:146 Resp: 964135

Ion Ratio Lower Upper

146 100

111 38.6 18.9 56.9

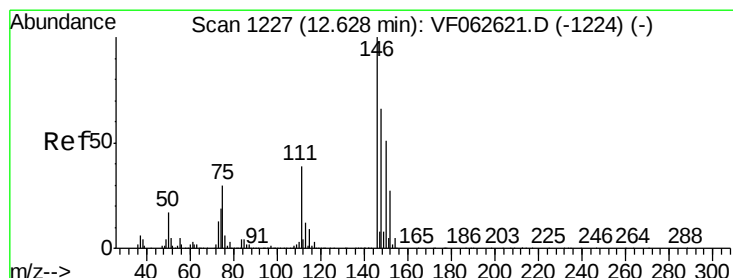
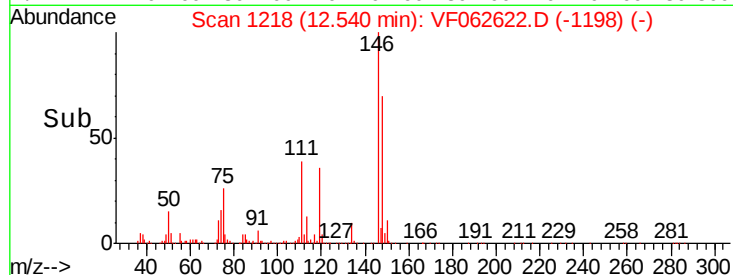
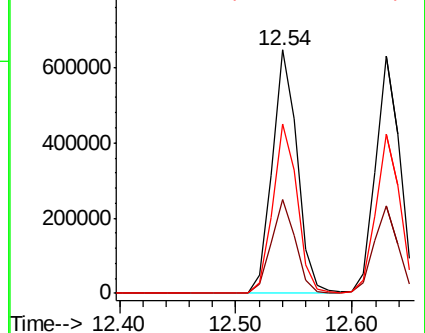
148 69.6 34.0 101.8



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,4-Dichlorobenzene

Concen: 63.299 ug/l

RT: 12.63 min Scan# 1227

Delta R.T. 0.00 min

Lab File: VF062622.D

Acq: 16 May 2019 12:28

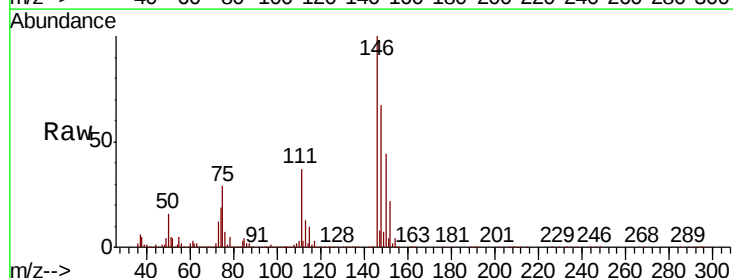
Tgt Ion:146 Resp: 926003

Ion Ratio Lower Upper

146 100

111 37.1 19.4 58.2

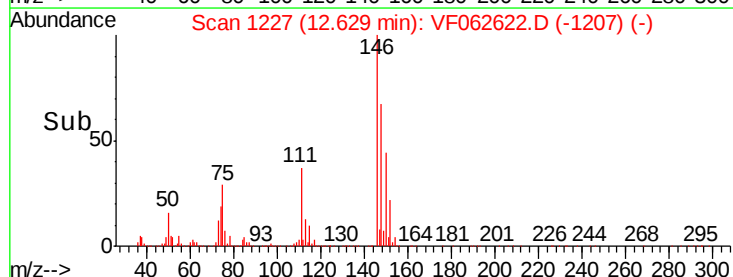
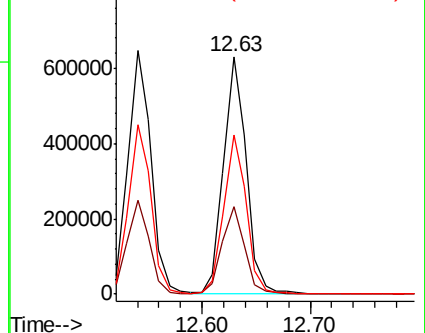
148 67.0 33.2 99.6

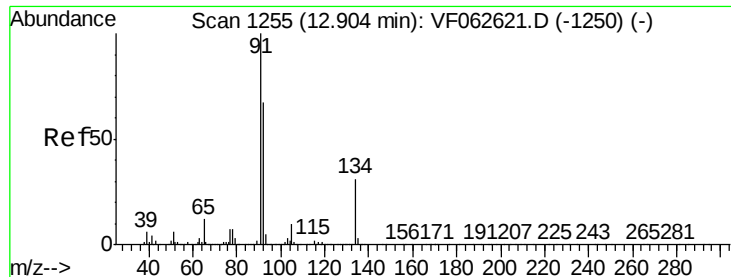


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

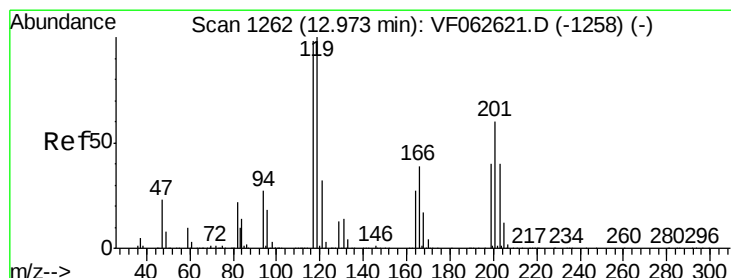
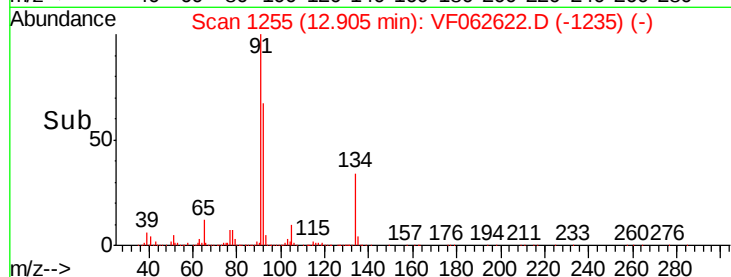
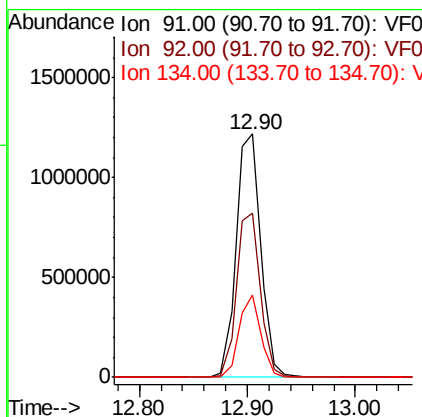
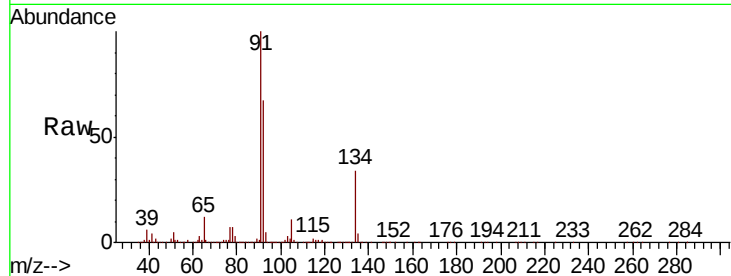




#89
n-Butylbenzene
Concen: 61.451 ug/l
RT: 12.90 min Scan# 1255
Delta R.T. 0.00 min
Lab File: VF062622.D
Acq: 16 May 2019 12:28

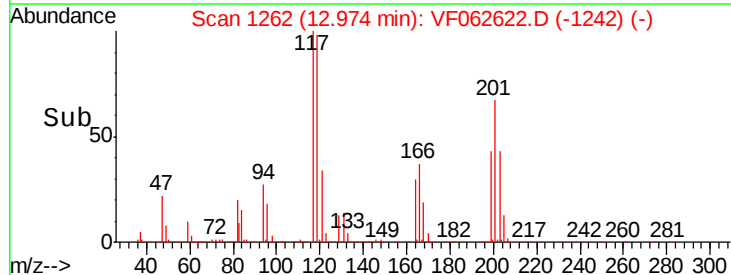
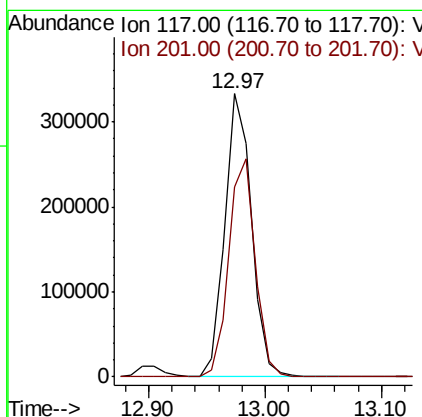
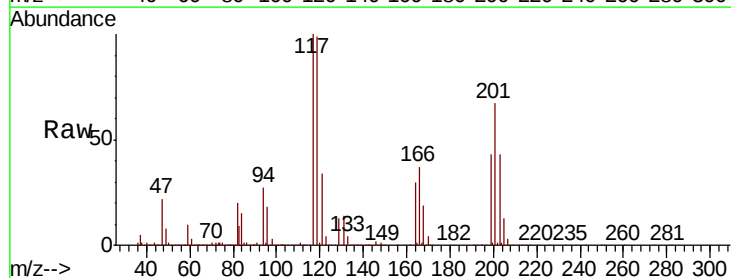
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

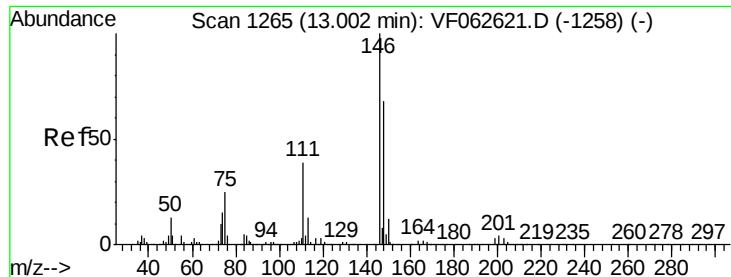
Tot Ion: 91 Resp: 1932371
Ion Ratio Lower Upper
91 100
92 67.3 33.3 99.8
134 33.9 15.4 46.4



#90
Hexachloroethane
Concen: 69.010 ug/l
RT: 12.97 min Scan# 1262
Delta R.T. 0.00 min
Lab File: VF062622.D
Acq: 16 May 2019 12:28

Tgt Ion: 117 Resp: 527994
Ion Ratio Lower Upper
117 100
201 66.9 30.7 92.1





#91

1,2-Dichlorobenzene

Concen: 64.739 ug/l

RT: 13.00 min Scan# 1265

Delta R.T. 0.00 min

Lab File: VF062622.D

Acq: 16 May 2019 12:28

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

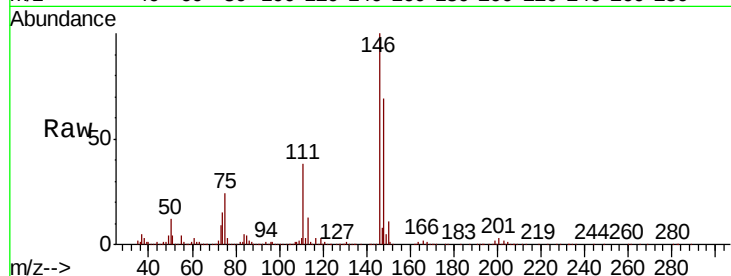
Tot Ion:146 Resp: 899616

Ion Ratio Lower Upper

146 100

111 38.3 19.8 59.3

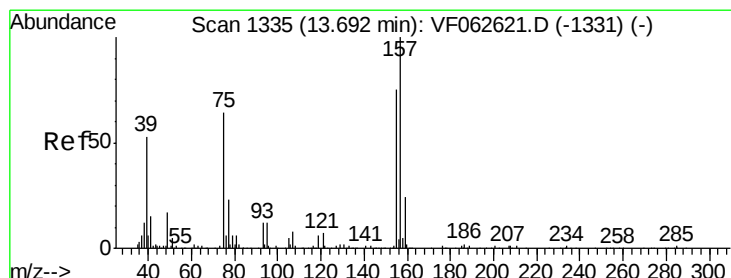
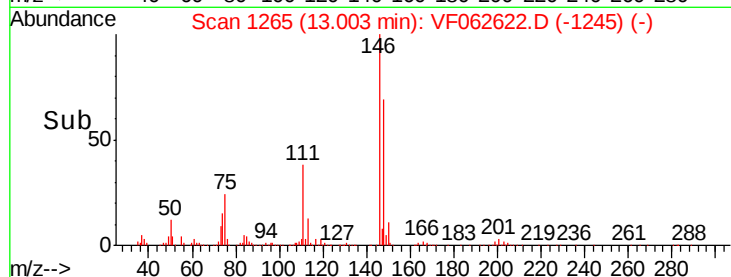
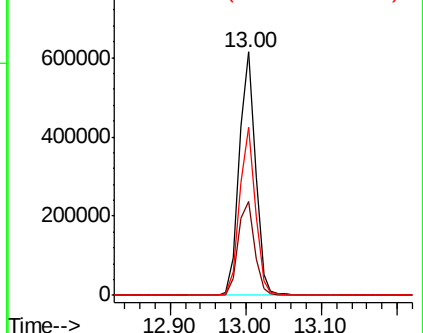
148 68.8 34.1 102.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 69.592 ug/l

RT: 13.69 min Scan# 1335

Delta R.T. 0.00 min

Lab File: VF062622.D

Acq: 16 May 2019 12:28

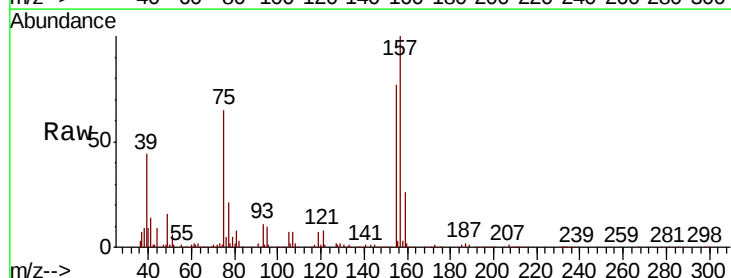
Tgt Ion: 75 Resp: 58813

Ion Ratio Lower Upper

75 100

155 117.0 58.1 174.3

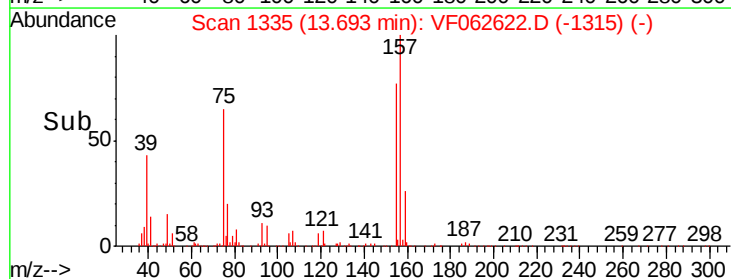
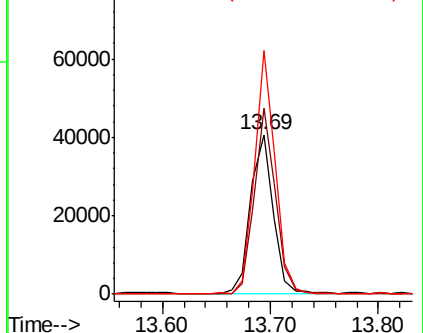
157 153.0 77.8 233.4

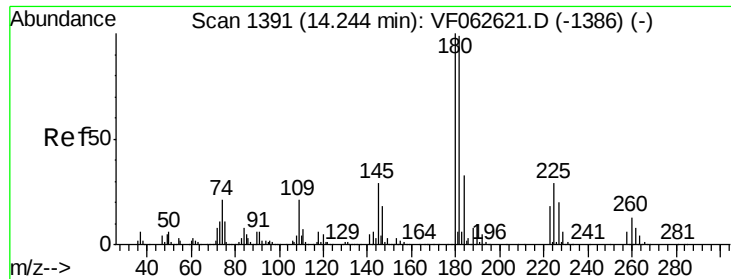


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

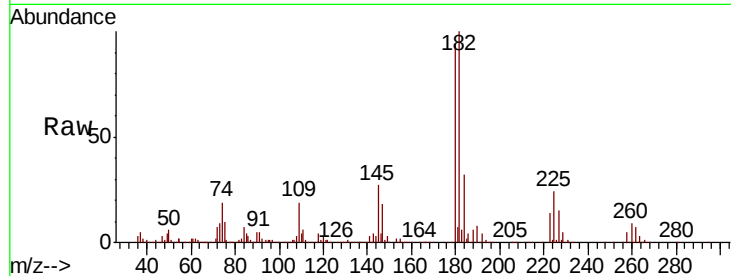




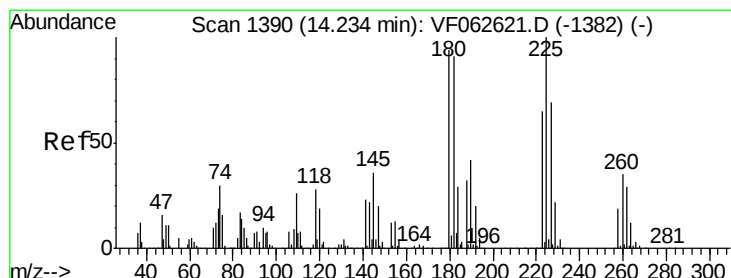
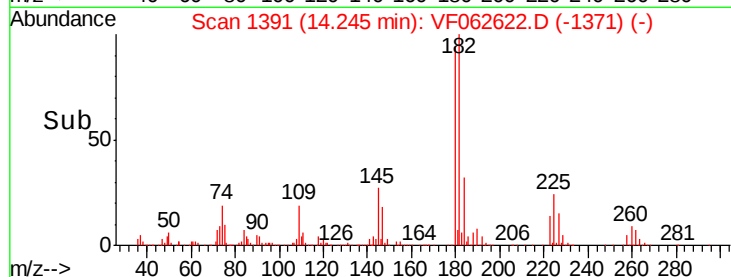
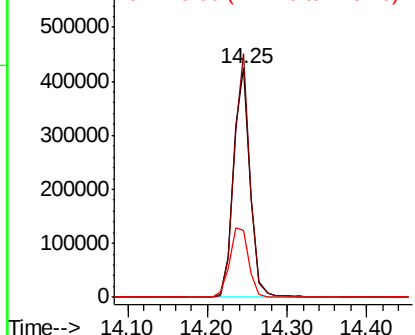
#93
 1,2,4-Trichlorobenzene
 Concen: 62.545 ug/l
 RT: 14.25 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VF062622.D
 Acq: 16 May 2019 12:28

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tot Ion:180 Resp: 622113
 Ion Ratio Lower Upper
 180 100
 182 106.1 49.7 149.1
 145 29.0 14.6 44.0

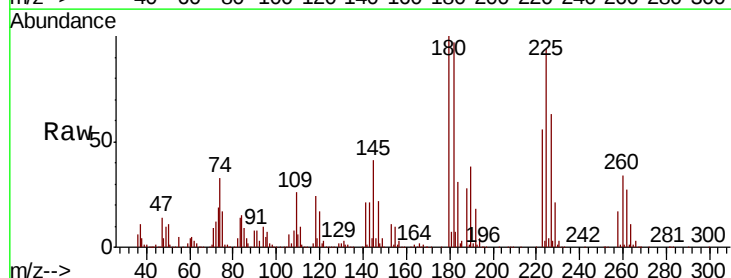


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

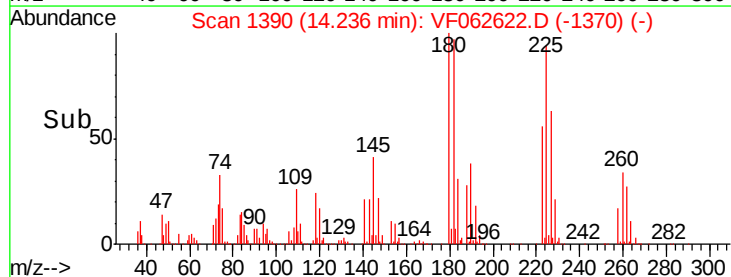
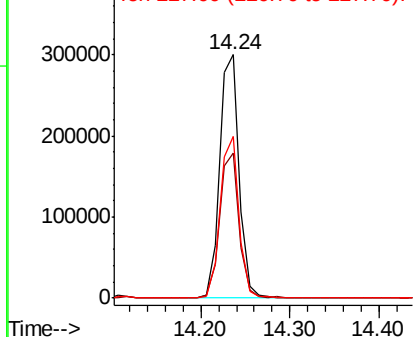


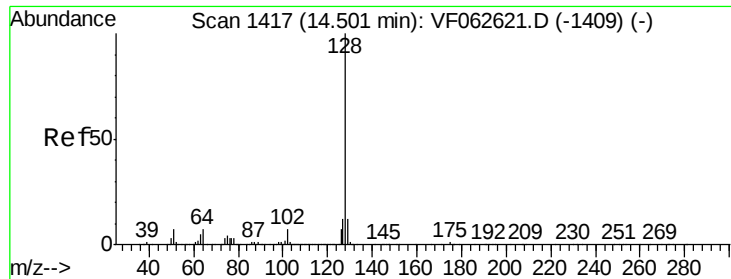
#94
 Hexachlorobutadiene
 Concen: 66.548 ug/l
 RT: 14.24 min Scan# 1390
 Delta R.T. 0.00 min
 Lab File: VF062622.D
 Acq: 16 May 2019 12:28

Tgt Ion:225 Resp: 461944
 Ion Ratio Lower Upper
 225 100
 223 59.6 32.5 97.4
 227 66.3 34.5 103.5



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

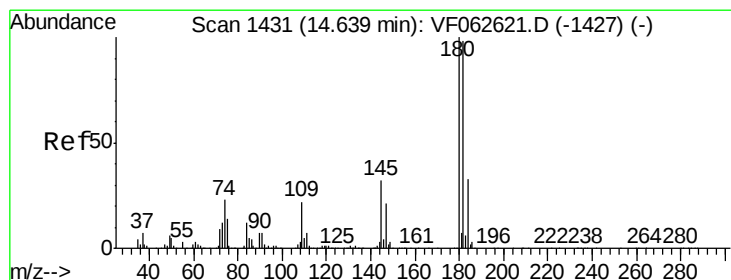
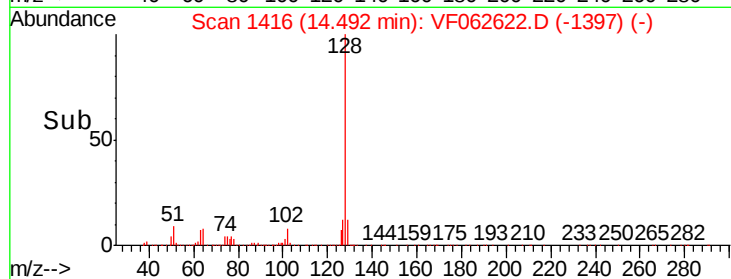
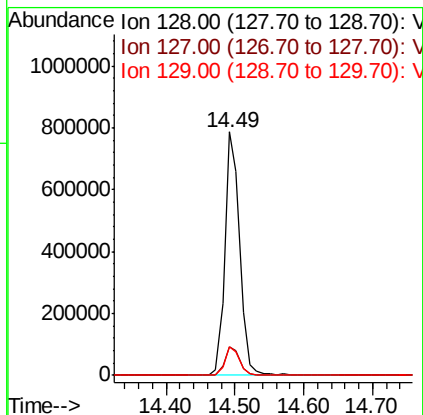
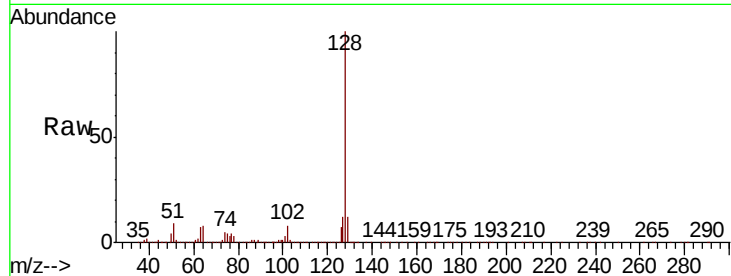




#95
Naphthalene
Concen: 64.998 ug/l
RT: 14.49 min Scan# 1416
Delta R.T. -0.01 min
Lab File: VF062622.D
Acq: 16 May 2019 12:28

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion:128 Resp: 1174530
Ion Ratio Lower Upper
128 100
127 11.8 9.7 14.5
129 11.5 9.3 13.9



#96
1,2,3-Trichlorobenzene
Concen: 70.941 ug/l
RT: 14.64 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VF062622.D
Acq: 16 May 2019 12:28

Tgt Ion:180 Resp: 668382
Ion Ratio Lower Upper
180 100
182 100.8 48.9 146.7
145 29.9 16.1 48.2

