

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052319\
 Data File : VF062721.D
 Acq On : 23 May 2019 12:38
 Operator : FY/SY
 Sample : VF0523SBS01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: May 24 02:12:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F051619S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 05:49:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	820598	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.77	114	1340810	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.91	117	974511	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.61	152	464533	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.03	65	255764	44.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.22%	
35) Dibromofluoromethane	4.31	113	483536	47.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.26%	
50) Toluene-d8	7.71	98	1061208	43.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.64%	
62) 4-Bromofluorobenzene	11.49	95	375422	40.41	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	80.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.01	85	213316	19.102	ug/l	97
3) Chloromethane	1.15	50	164962	16.043	ug/l	92
4) Vinyl Chloride	1.18	62	175433	18.535	ug/l	96
5) Bromomethane	1.39	94	91450	17.662	ug/l	92
6) Chloroethane	1.45	64	62189	17.890	ug/l #	86
7) Trichlorofluoromethane	1.56	101	260266	20.479	ug/l	96
8) Diethyl Ether	1.71	74	42768	16.987	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	1.91	101	170757	21.101	ug/l	93
10) Methyl Iodide	1.98	142	324325	20.402	ug/l	93
11) Tert butyl alcohol	2.71	59	38013	99.293	ug/l	100
12) 1,1-Dichloroethene	1.87	96	147571	20.019	ug/l	96
13) Acrolein	2.10	56	33251	83.205	ug/l	83
14) Allyl chloride	2.20	41	154319	23.130	ug/l	94
15) Acrylonitrile	3.10	53	130029	120.406	ug/l	97
16) Acetone	2.35	43	127513	84.761	ug/l	93
17) Carbon Disulfide	1.91	76	407381	18.645	ug/l	95
18) Methyl Acetate	2.47	43	52250	22.102	ug/l	97
19) Methyl tert-butyl Ether	2.54	73	274260	20.812	ug/l	97
20) Methylene Chloride	2.34	84	93280	12.370	ug/l	97
21) trans-1,2-Dichloroethene	2.43	96	156782	21.760	ug/l	88
22) Diisopropyl ether	2.94	45	303550	18.447	ug/l	96
23) Vinyl Acetate	3.34	43	1131912	101.972	ug/l	99
24) 1,1-Dichloroethane	3.01	63	233225	19.320	ug/l	98
25) 2-Butanone	4.53	43	300384	93.458	ug/l	100
26) 2,2-Dichloropropane	3.78	77	157857	22.855	ug/l	90
27) cis-1,2-Dichloroethene	3.65	96	269777	22.762	ug/l	95
28) Bromochloromethane	3.90	49	135390	19.998	ug/l	100
29) Tetrahydrofuran	4.27	42	126150	96.991	ug/l	96
30) Chloroform	4.05	83	382679	22.833	ug/l	100
31) Cyclohexane	3.87	56	312782	19.298	ug/l	96
32) 1,1,1-Trichloroethane	4.28	97	239992	21.561	ug/l	96
36) 1,1-Dichloropropene	4.47	75	285026	20.746	ug/l	97
37) Ethyl Acetate	4.30	43	102343	18.244	ug/l #	89
38) Carbon Tetrachloride	4.18	117	219221	21.216	ug/l	96

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Quant Time: May 24 02:12:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F051619S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 05:49:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	355976	21.533	ug/l	91
40) Benzene	4.82	78	830988	22.202	ug/l	98
41) Methacrylonitrile	4.93	41	58069	19.745	ug/l	98
42) 1,2-Dichloroethane	5.13	62	155141	20.785	ug/l	89
43) Isopropyl Acetate	7.11	43	126787	17.445	ug/l #	90
44) Trichloroethene	5.68	130	227293	21.607	ug/l	94
45) 1,2-Dichloropropane	6.41	63	200693	21.241	ug/l	90
46) Dibromomethane	6.26	93	115798	21.206	ug/l	97
47) Bromodichloromethane	6.55	83	238417	21.032	ug/l	98
48) Methyl methacrylate	6.87	41	65011	17.114	ug/l	96
49) 1,4-Dioxane	6.87	88	17133	352.148	ug/l	96
51) 4-Methyl-2-Pentanone	8.40	43	461968	92.995	ug/l	100
52) Toluene	7.78	92	405565	20.661	ug/l	90
53) t-1,3-Dichloropropene	8.42	75	187792	20.249	ug/l	89
54) cis-1,3-Dichloropropene	7.45	75	281882	21.713	ug/l	98
55) 1,1,2-Trichloroethane	8.64	97	117879	20.282	ug/l	97
56) Ethyl methacrylate	8.75	69	121110	17.490	ug/l	97
57) 1,3-Dichloropropane	8.99	76	195169	19.715	ug/l	91
58) 2-Chloroethyl Vinyl ether	7.44	63	198298	87.981	ug/l	97
59) 2-Hexanone	9.62	43	301102	81.120	ug/l	97
60) Dibromochloromethane	8.85	129	160227	21.152	ug/l	100
61) 1,2-Dibromoethane	9.13	107	130009	21.060	ug/l	94
64) Tetrachloroethene	8.30	164	169061	21.898	ug/l	97
65) Chlorobenzene	9.93	112	413400	21.598	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.06	131	168811	21.970	ug/l	99
67) Ethyl Benzene	10.03	91	715022	21.504	ug/l	98
68) m/p-Xylenes	10.25	106	525002	42.010	ug/l	89
69) o-Xylene	10.81	106	289484	22.489	ug/l	99
70) Styrene	10.88	104	411590	21.037	ug/l	100
71) Bromoform	10.87	173	79041	20.539	ug/l #	99
73) Isopropylbenzene	11.21	105	761007	22.857	ug/l	94
74) N-amyl acetate	11.45	43	190385	19.144	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.76	83	147938	21.743	ug/l	100
76) 1,2,3-Trichloropropane	11.86	75	87498	19.571	ug/l	100
77) Bromobenzene	11.57	156	176144	21.284	ug/l	97
78) n-propylbenzene	11.66	91	852194	21.628	ug/l	90
79) 2-Chlorotoluene	11.79	91	481013	21.662	ug/l	94
80) 1,3,5-Trimethylbenzene	11.89	105	590182	22.107	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.94	75	54608	27.479	ug/l	95
82) 4-Chlorotoluene	11.97	91	466305	21.295	ug/l	98
83) tert-Butylbenzene	12.19	119	606408	22.389	ug/l	98
84) 1,2,4-Trimethylbenzene	12.26	105	571253	22.108	ug/l	92
85) sec-Butylbenzene	12.36	105	815313	22.430	ug/l	97
86) p-Isopropyltoluene	12.51	119	686528	22.412	ug/l	96
87) 1,3-Dichlorobenzene	12.53	146	320912	21.433	ug/l	98
88) 1,4-Dichlorobenzene	12.62	146	302894	21.557	ug/l	98
89) n-Butylbenzene	12.89	91	703181	23.282	ug/l	91
90) Hexachloroethane	12.96	117	167244	22.759	ug/l	91
91) 1,2-Dichlorobenzene	12.99	146	293400	21.983	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.68	75	17212	21.205	ug/l	81

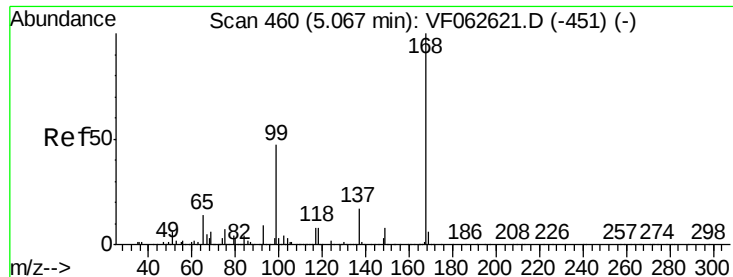
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF052319\
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Quant Time: May 24 02:12:36 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F051619S.M
Quant Title : SW846 8260
QLast Update : Fri May 17 05:49:09 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	205016	21.460	ug/l	100
94) Hexachlorobutadiene	14.23	225	148022	22.202	ug/l	95
95) Naphthalene	14.49	128	319127	18.387	ug/l	98
96) 1,2,3-Trichlorobenzene	14.63	180	193775	21.414	ug/l	94

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.05 min Scan# 458

Delta R.T. -0.02 min

Lab File: VF062721.D

Acq: 23 May 2019 12:38

Instrument :

MSVOA_F

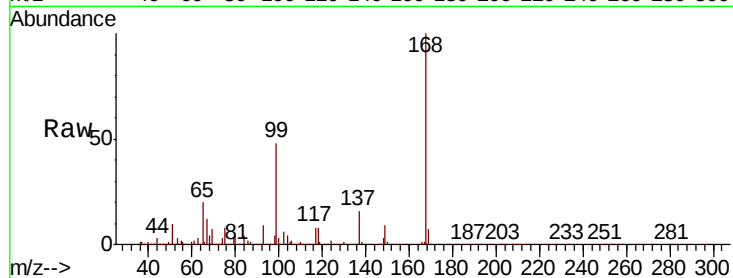
ClientSampleId :

Tot Ion:168 Resp: 820598

Ion Ratio Lower Upper

168 100

99 47.6 37.8 56.8



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.05

300000

250000

200000

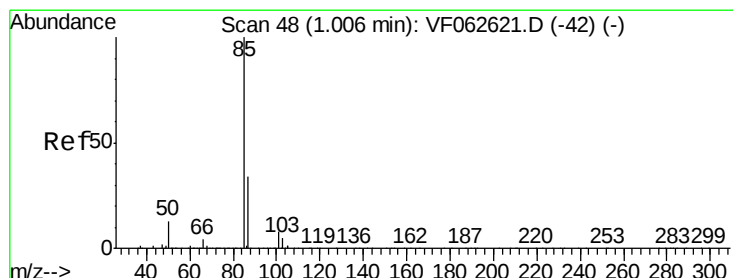
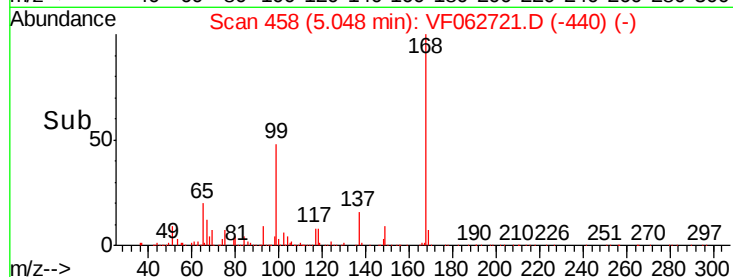
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 19.102 ug/l

RT: 1.01 min Scan# 48

Delta R.T. 0.00 min

Lab File: VF062721.D

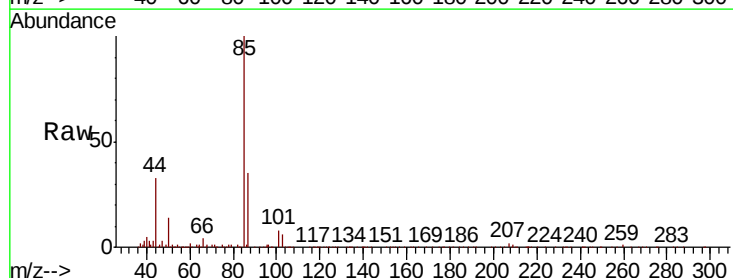
Acq: 23 May 2019 12:38

Tgt Ion: 85 Resp: 213316

Ion Ratio Lower Upper

85 100

87 35.1 16.8 50.3



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

1.01

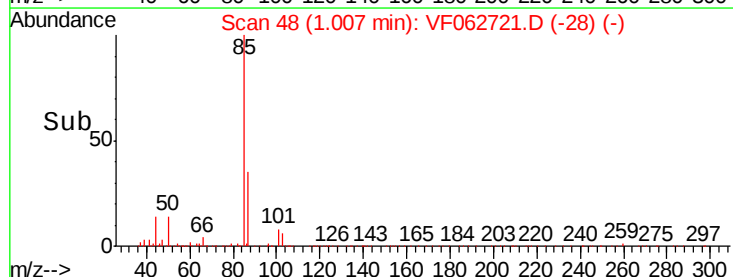
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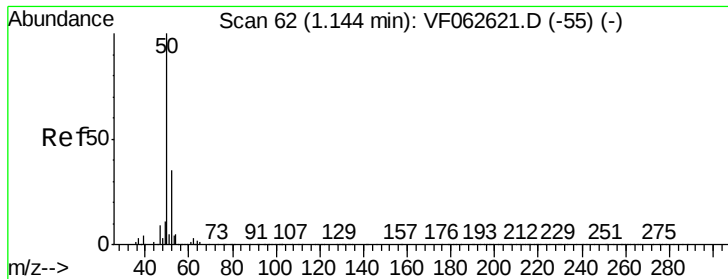
40000

20000

0

Time-->





#3

Chloromethane

Concen: 16.043 ug/l

RT: 1.15 min Scan# 63

Delta R.T. 0.01 min

Lab File: VF062721.D

Acq: 23 May 2019 12:38

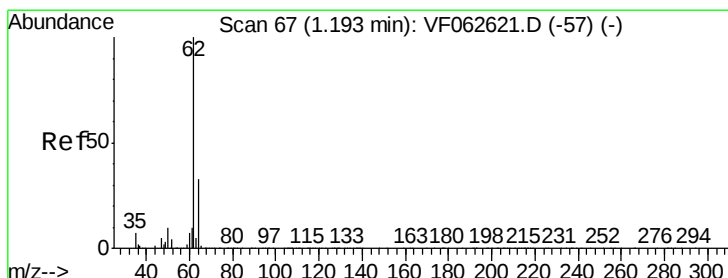
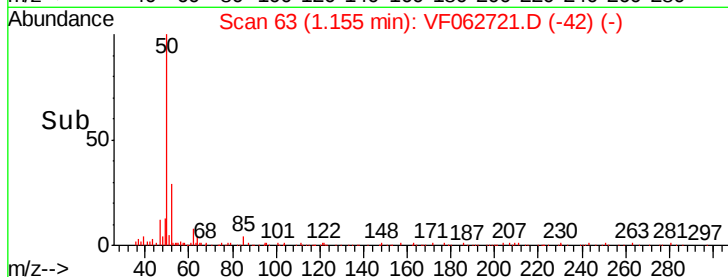
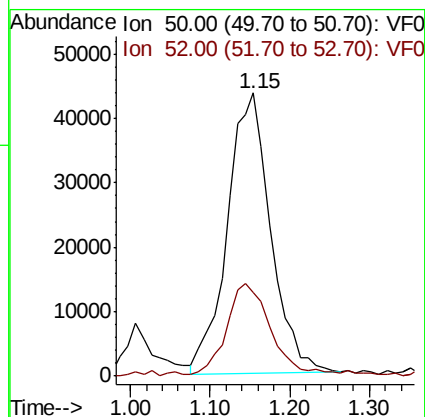
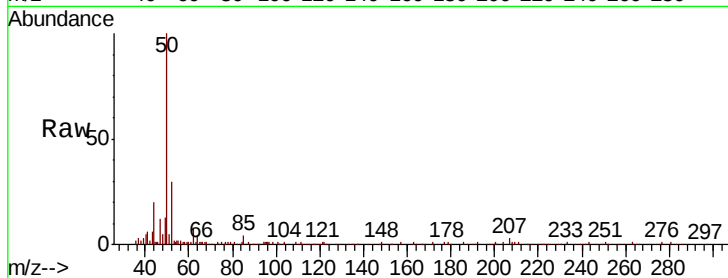
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 50 Resp: 164962

Ion Ratio Lower Upper

50 100

52 29.5 27.5 41.3



#4

Vinyl Chloride

Concen: 18.535 ug/l

RT: 1.18 min Scan# 66

Delta R.T. -0.01 min

Lab File: VF062721.D

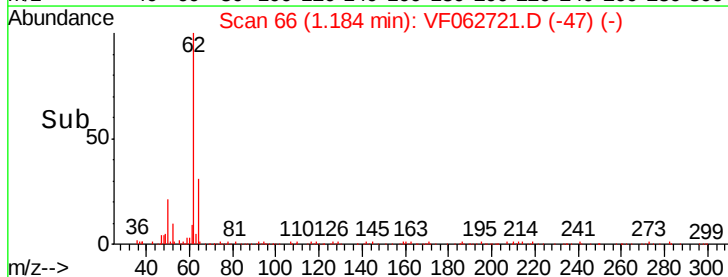
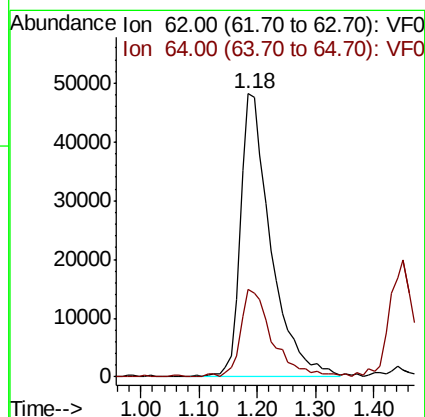
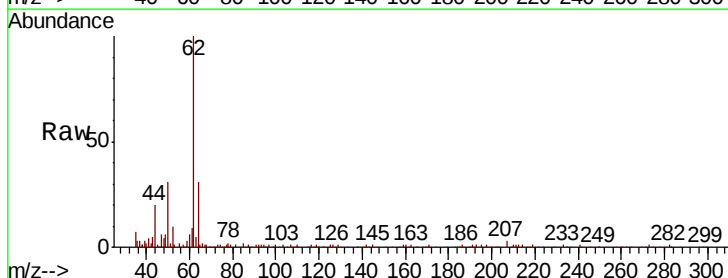
Acq: 23 May 2019 12:38

Tgt Ion: 62 Resp: 175433

Ion Ratio Lower Upper

62 100

64 30.9 26.7 40.1





#5

Bromomethane

Concen: 17.662 ug/l

RT: 1.39 min Scan# 87

Delta R.T. -0.01 min

Lab File: VF062721.D

Acq: 23 May 2019 12:38

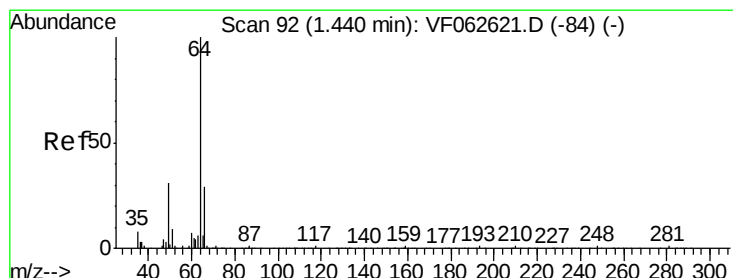
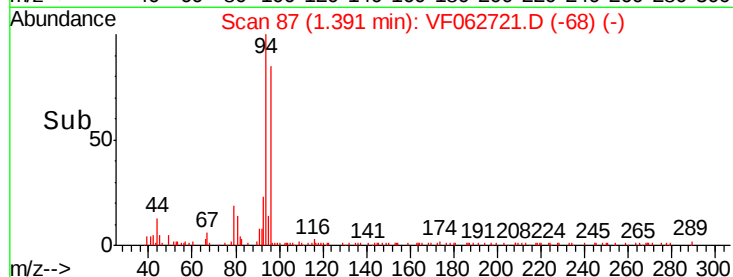
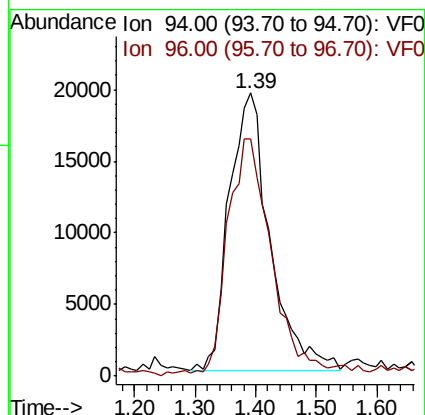
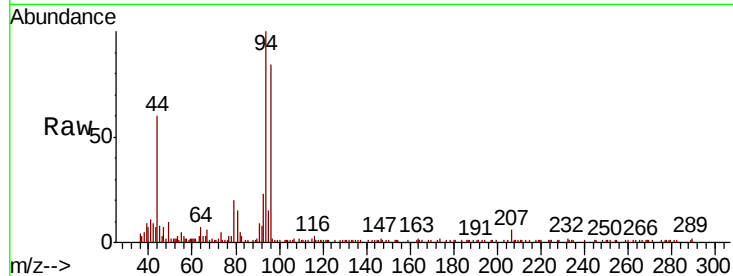
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 94 Resp: 91450

Ion Ratio Lower Upper

94 100

96 84.0 73.2 109.8



#6

Chloroethane

Concen: 17.890 ug/l

RT: 1.45 min Scan# 93

Delta R.T. 0.01 min

Lab File: VF062721.D

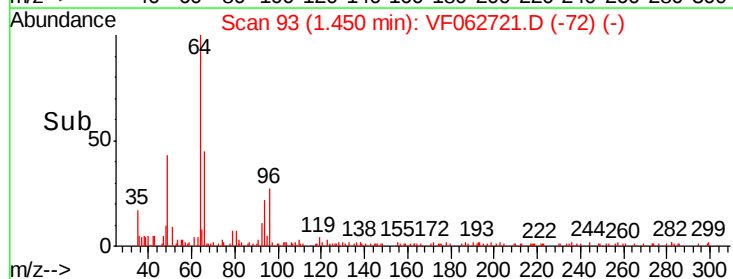
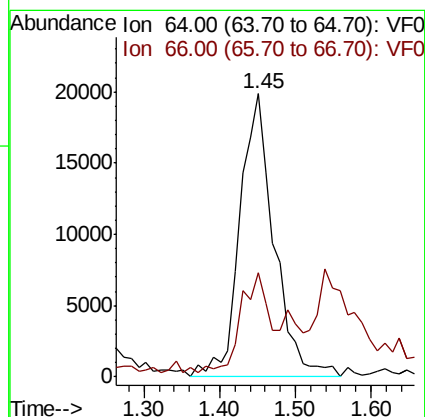
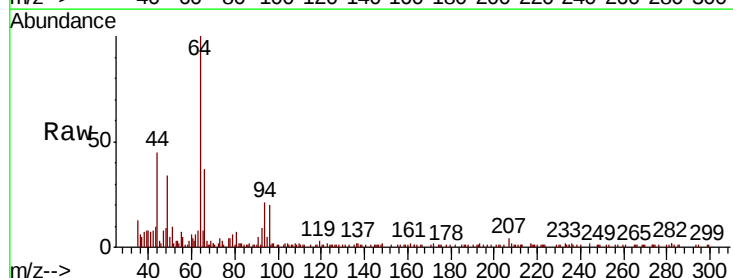
Acq: 23 May 2019 12:38

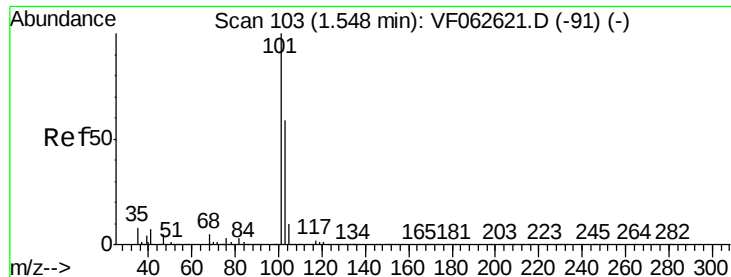
Tgt Ion: 64 Resp: 62189

Ion Ratio Lower Upper

64 100

66 36.7 23.4 35.2#



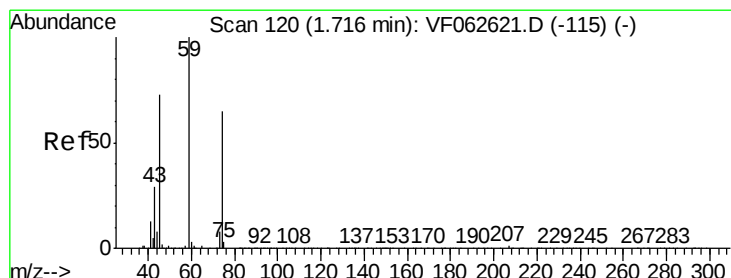
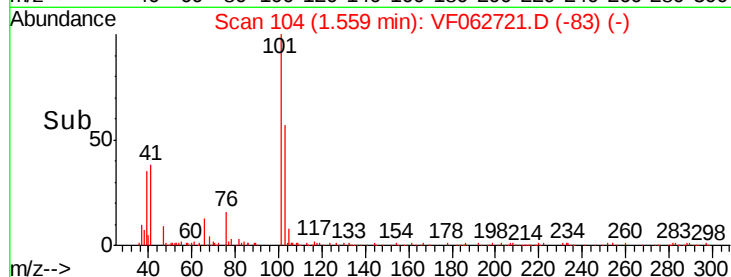
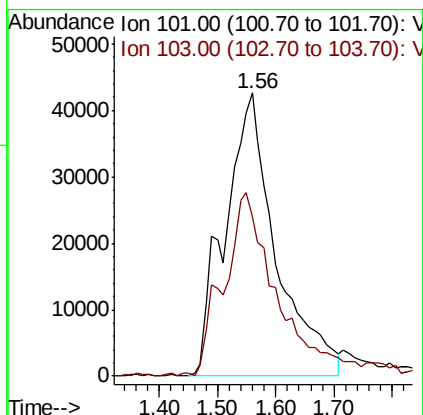
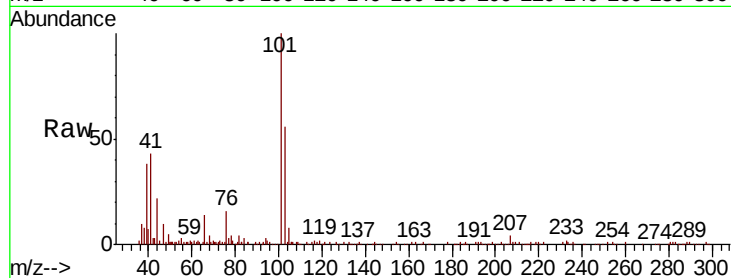


#7

Trichlorofluoromethane
Concen: 20.479 ug/l
RT: 1.56 min Scan# 104
Delta R.T. 0.01 min
Lab File: VF062721.D
Acq: 23 May 2019 12:38

Instrument :
MSVOA_F
ClientSampleId :

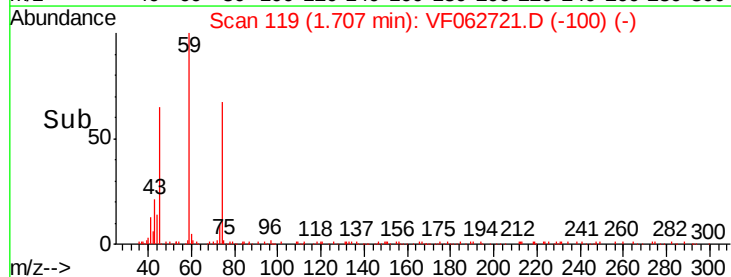
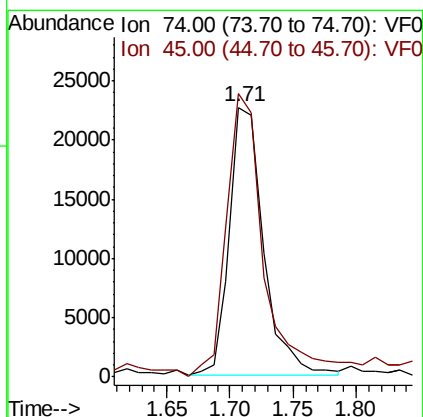
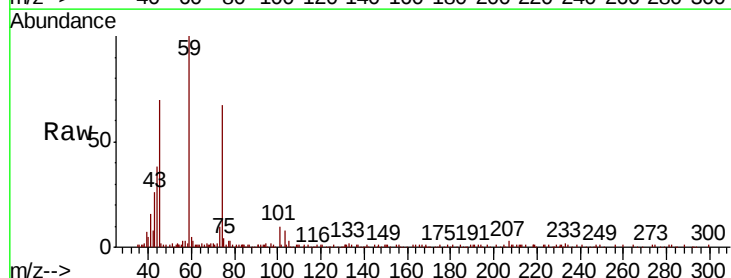
Tot Ion:101 Resp: 260266
Ion Ratio Lower Upper
101 100
103 56.2 47.3 70.9

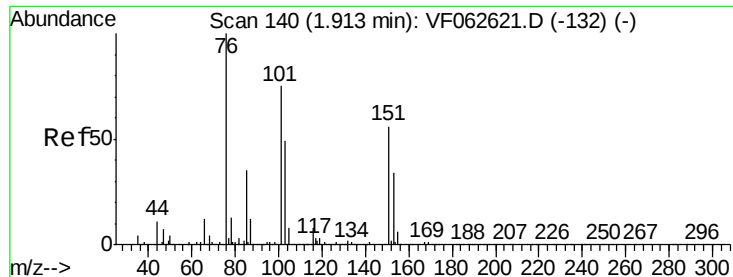


#8

Diethyl Ether
Concen: 16.987 ug/l
RT: 1.71 min Scan# 119
Delta R.T. -0.01 min
Lab File: VF062721.D
Acq: 23 May 2019 12:38

Tgt Ion: 74 Resp: 42768
Ion Ratio Lower Upper
74 100
45 104.9 57.0 170.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.101 ug/l

RT: 1.91 min Scan# 140

Delta R.T. 0.00 min

Lab File: VF062721.D

Acq: 23 May 2019 12:38

Instrument :

MSVOA_F

ClientSampleId :

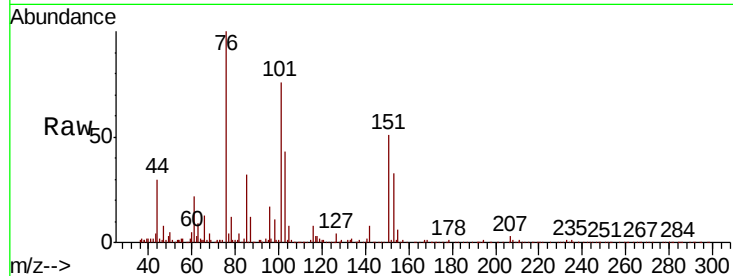
Tot Ion:101 Resp: 170757

Ion Ratio Lower Upper

101 100

85 42.4 37.1 55.7

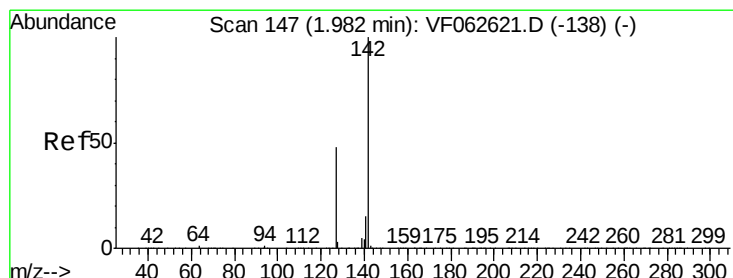
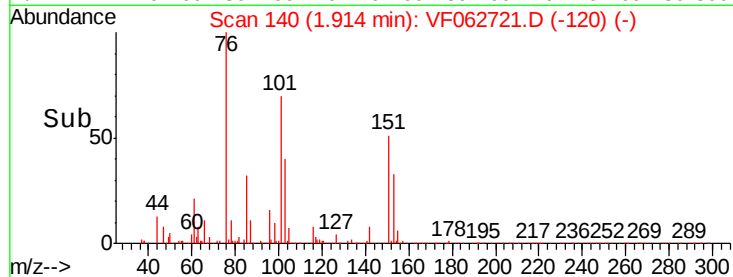
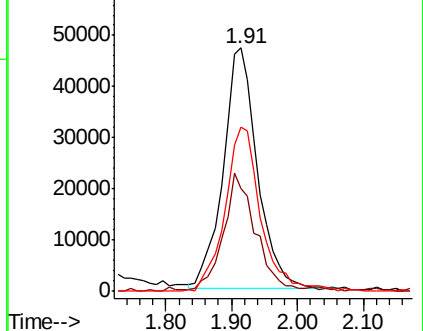
151 67.6 58.8 88.2



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: 20.402 ug/l

RT: 1.98 min Scan# 147

Delta R.T. 0.00 min

Lab File: VF062721.D

Acq: 23 May 2019 12:38

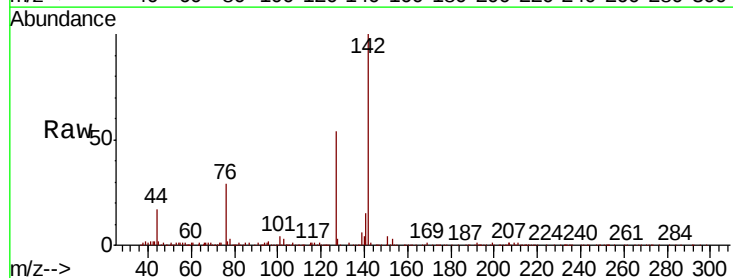
Tgt Ion:142 Resp: 324325

Ion Ratio Lower Upper

142 100

127 53.6 38.1 57.1

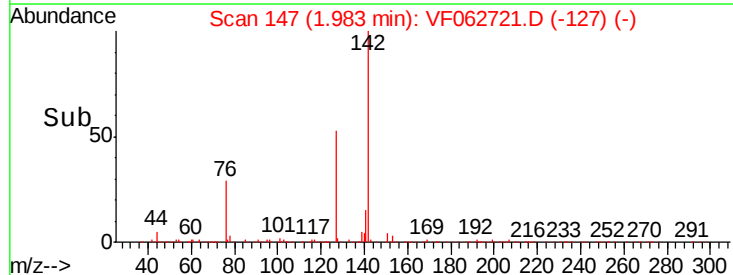
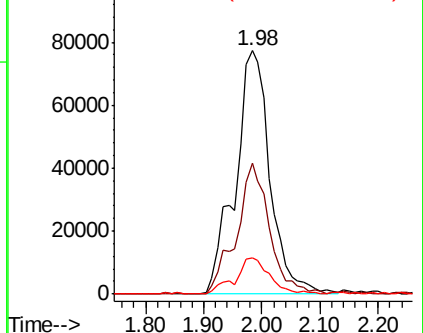
141 14.9 11.7 17.5

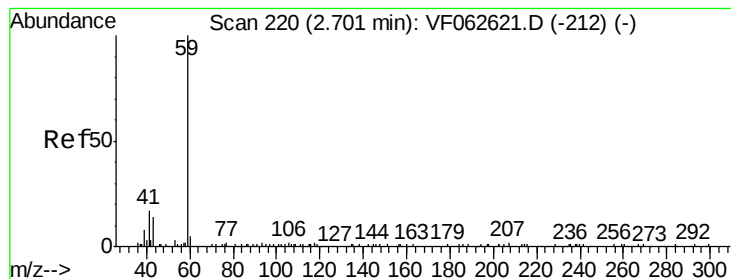


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



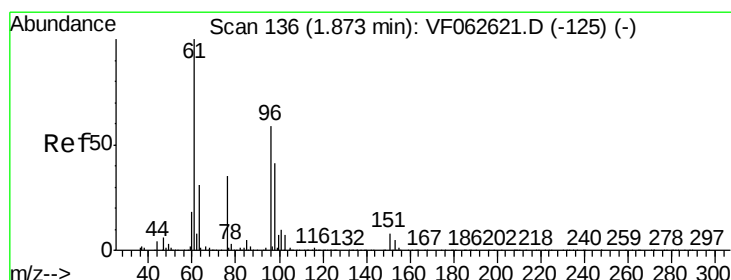
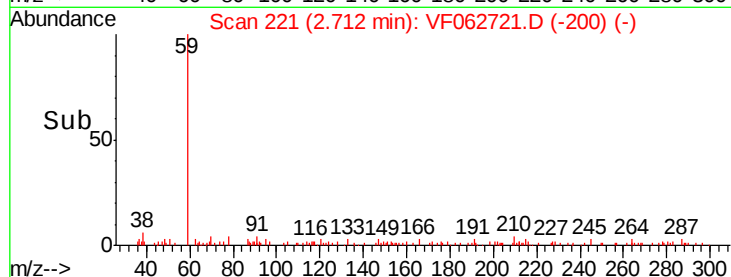
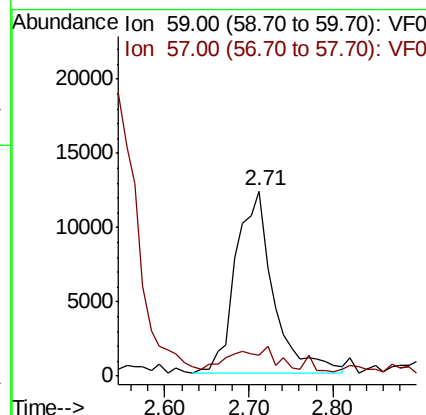
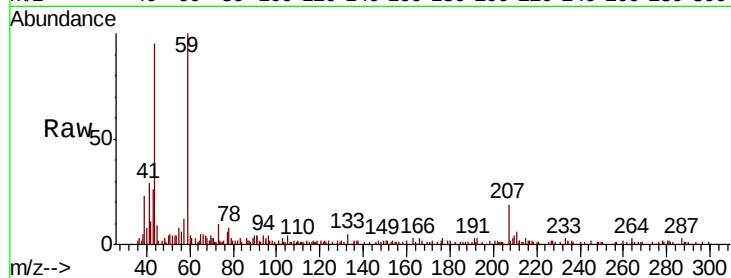


#11

Tert butyl alcohol
Concen: 99.293 ug/l
RT: 2.71 min Scan# 221
Delta R.T. 0.01 min
Lab File: VF062721.D
Acq: 23 May 2019 12:38

Instrument :
MSVOA_F
ClientSampleId :

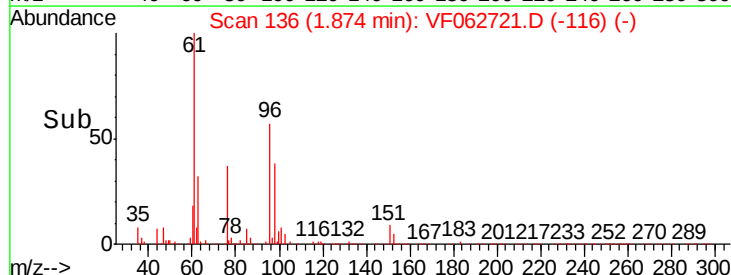
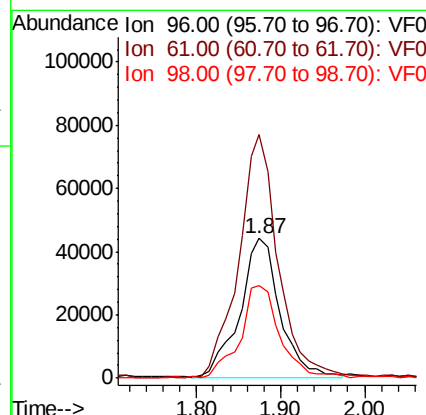
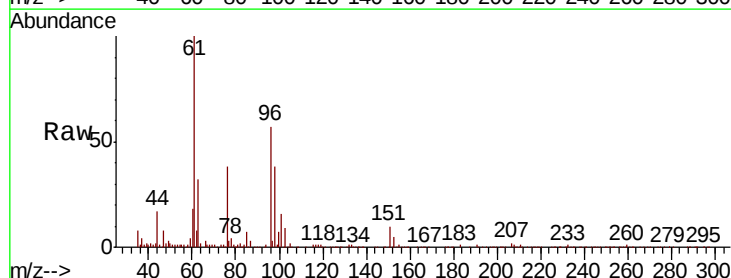
Tot Ion: 59 Resp: 38013
Ion Ratio Lower Upper
59 100
57 11.5 9.3 13.9

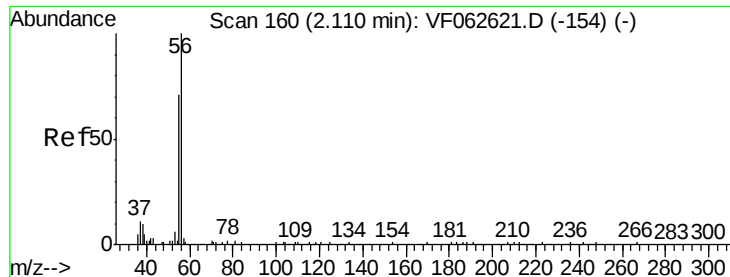


#12

1,1-Dichloroethene
Concen: 20.019 ug/l
RT: 1.87 min Scan# 136
Delta R.T. 0.00 min
Lab File: VF062721.D
Acq: 23 May 2019 12:38

Tgt Ion: 96 Resp: 147571
Ion Ratio Lower Upper
96 100
61 174.2 134.3 201.5
98 66.4 55.0 82.6

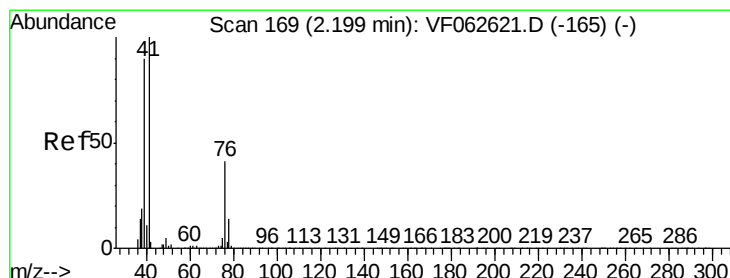
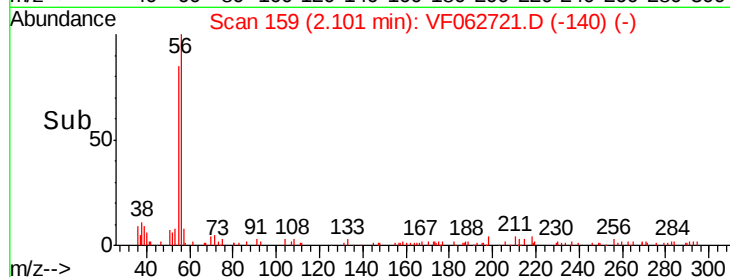
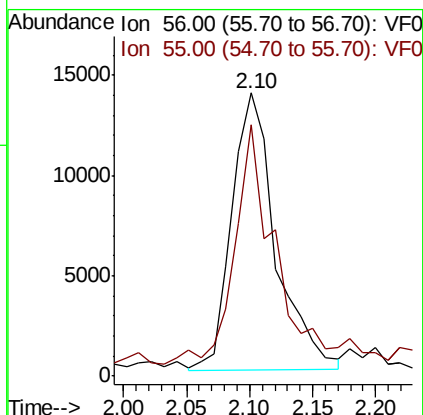
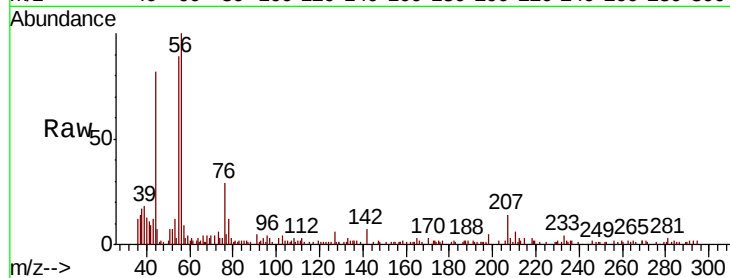




#13
Acrolein
Concen: 83.205 ug/l
RT: 2.10 min Scan# 159
Delta R.T. -0.01 min
Lab File: VF062721.D
Acq: 23 May 2019 12:38

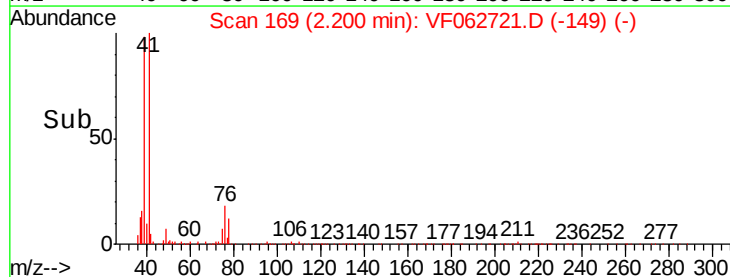
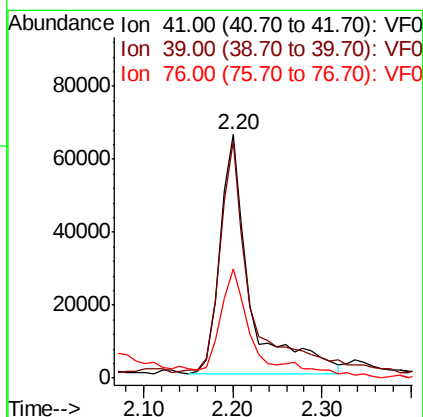
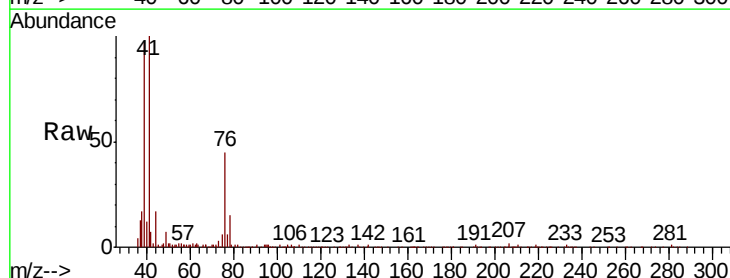
Instrument :
MSVOA_F
ClientSampleId :

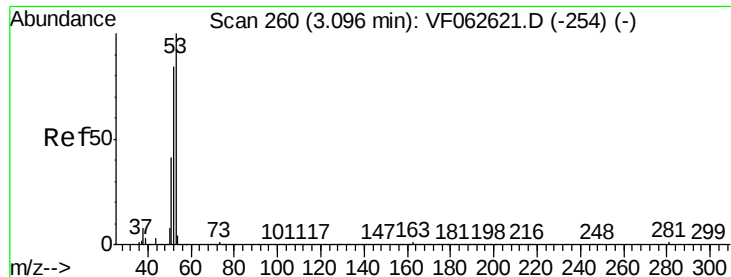
Tot Ion: 56 Resp: 33251
Ion Ratio Lower Upper
56 100
55 88.8 59.4 89.0



#14
Allyl chloride
Concen: 23.130 ug/l
RT: 2.20 min Scan# 169
Delta R.T. 0.00 min
Lab File: VF062721.D
Acq: 23 May 2019 12:38

Tgt Ion: 41 Resp: 154319
Ion Ratio Lower Upper
41 100
39 97.3 72.0 108.0
76 44.8 34.8 52.2





#15

Acrylonitrile

Concen: 120.406 ug/l

RT: 3.10 min Scan# 260

Delta R.T. 0.00 min

Lab File: VF062721.D

Acq: 23 May 2019 12:38

Instrument :
MSVOA_F
ClientSampleId :

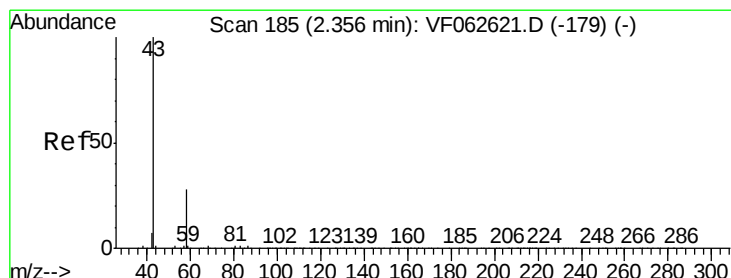
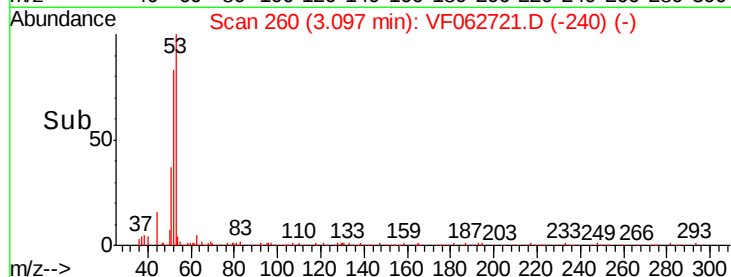
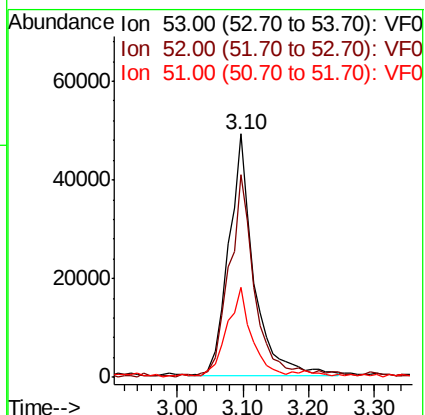
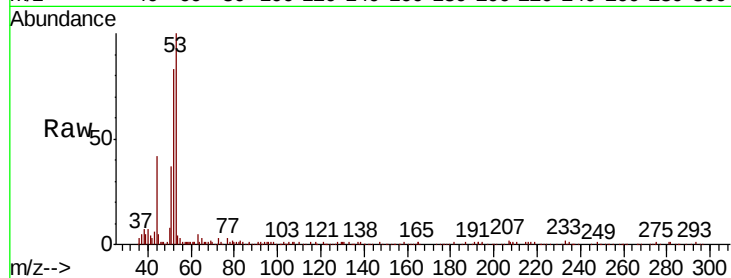
Tot Ion: 53 Resp: 130029

Ion Ratio Lower Upper

53 100

52 83.0 67.3 100.9

51 37.2 33.0 49.6



#16

Acetone

Concen: 84.761 ug/l

RT: 2.35 min Scan# 184

Delta R.T. -0.01 min

Lab File: VF062721.D

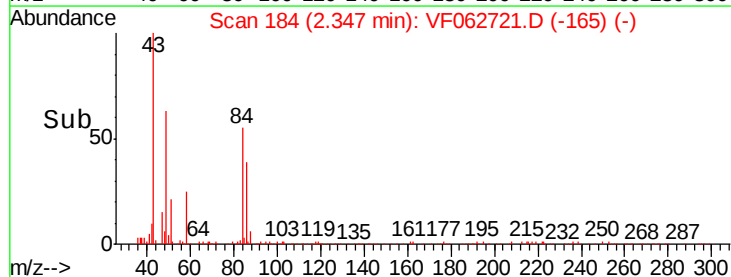
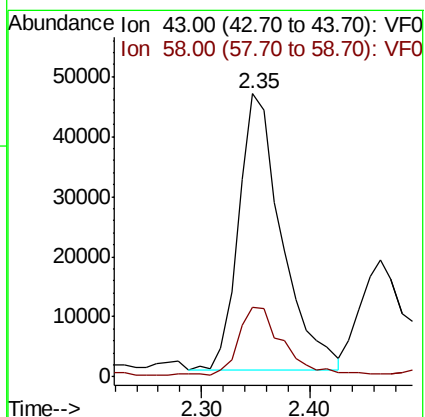
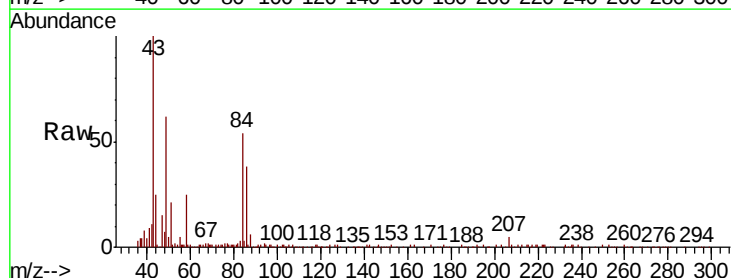
Acq: 23 May 2019 12:38

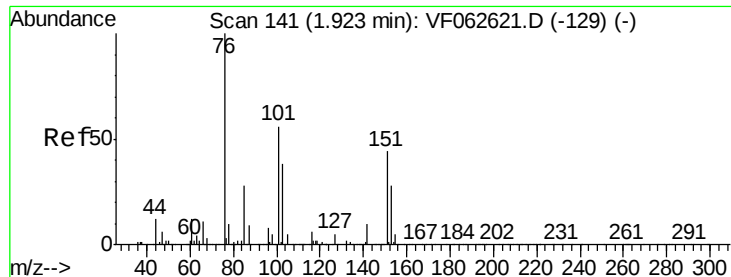
Tgt Ion: 43 Resp: 127513

Ion Ratio Lower Upper

43 100

58 24.5 22.6 33.8





#17

Carbon Disulfide

Concen: 18.645 ug/l

RT: 1.91 min Scan# 140

Delta R.T. -0.01 min

Lab File: VF062721.D

Acq: 23 May 2019 12:38

Instrument :

MSVOA_F

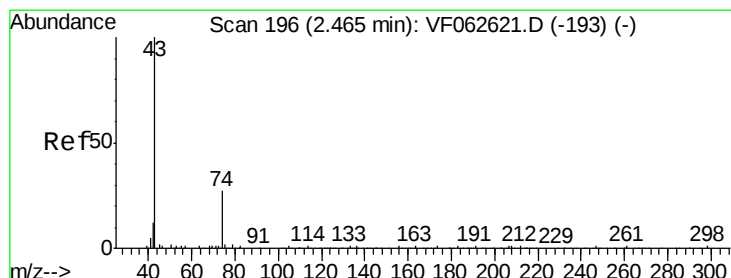
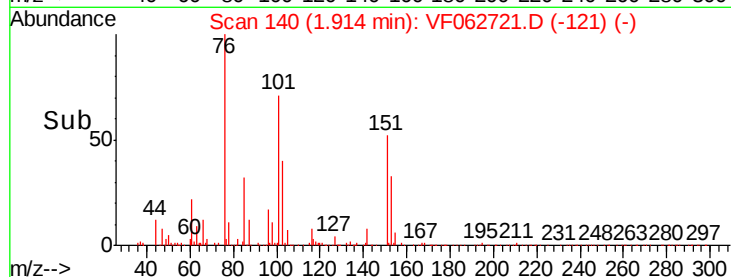
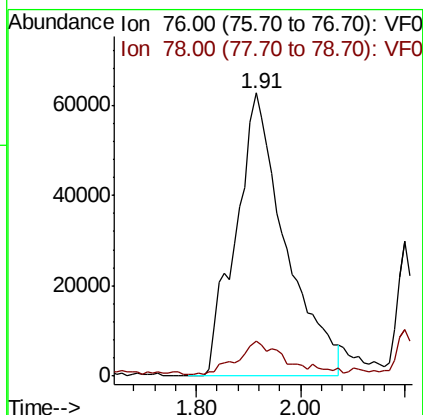
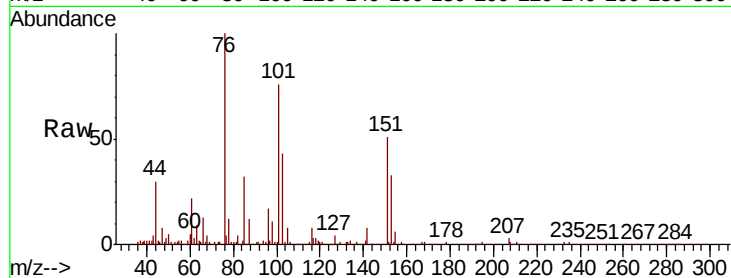
ClientSampleId :

Tot Ion: 76 Resp: 407381

Ion Ratio Lower Upper

76 100

78 12.3 8.4 12.6



#18

Methyl Acetate

Concen: 22.102 ug/l

RT: 2.47 min Scan# 196

Delta R.T. 0.00 min

Lab File: VF062721.D

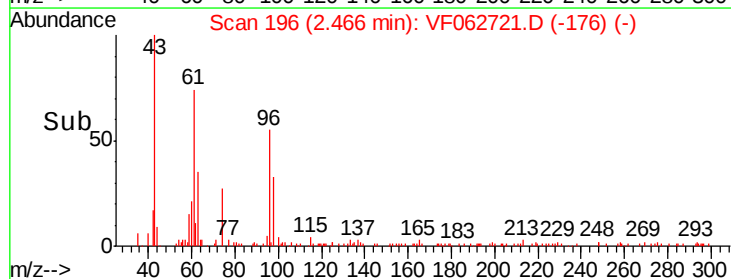
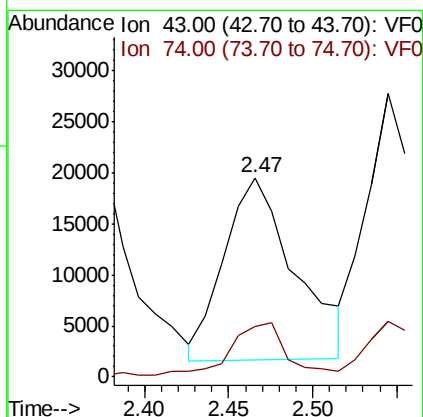
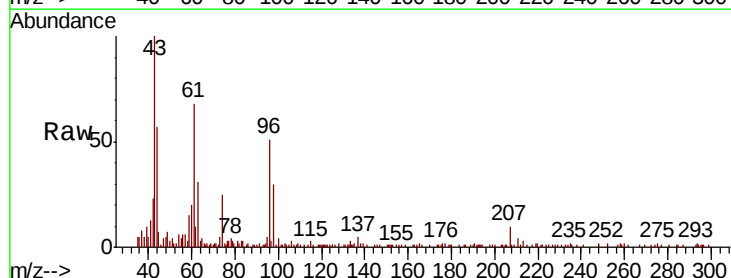
Acq: 23 May 2019 12:38

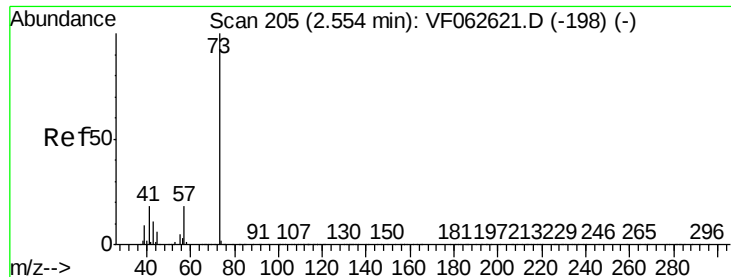
Tgt Ion: 43 Resp: 52250

Ion Ratio Lower Upper

43 100

74 25.0 18.9 28.3



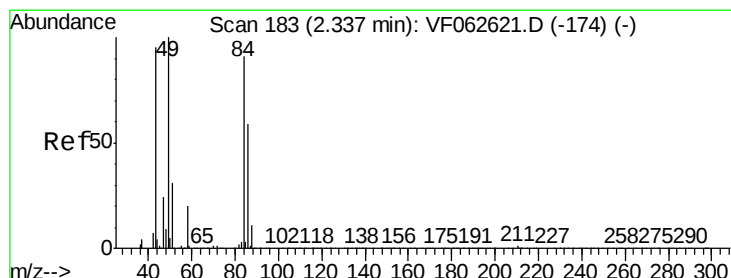
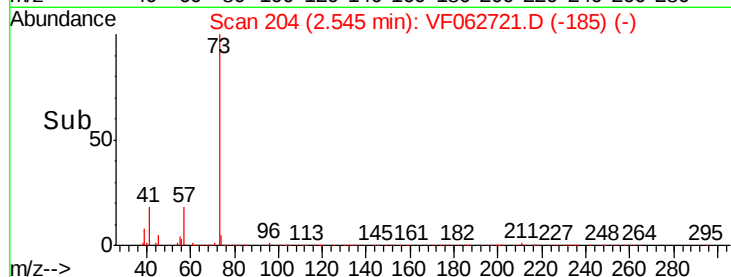
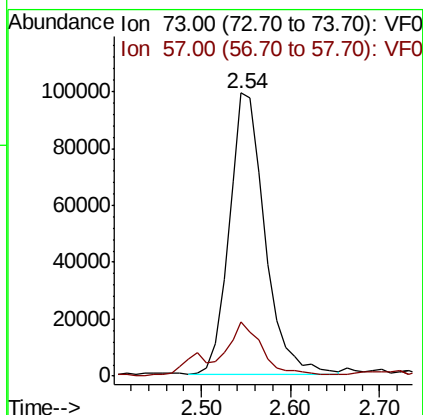
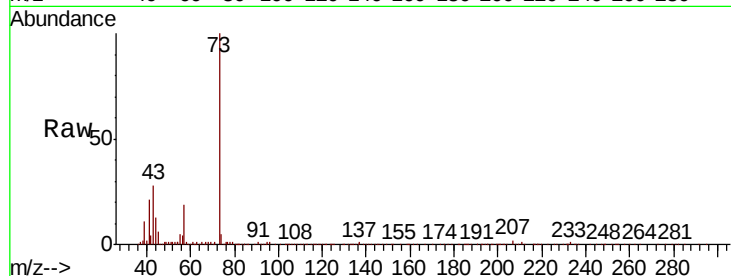


#19

Methyl tert-butyl Ether
 Concen: 20.812 ug/l
 RT: 2.54 min Scan# 204
 Delta R.T. -0.01 min
 Lab File: VF062721.D
 Acq: 23 May 2019 12:38

Instrument :
 MSVOA_F
 ClientSampleId :

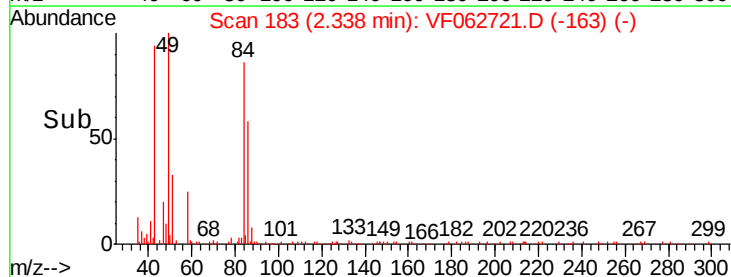
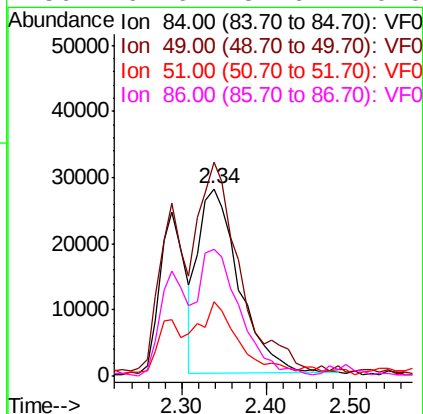
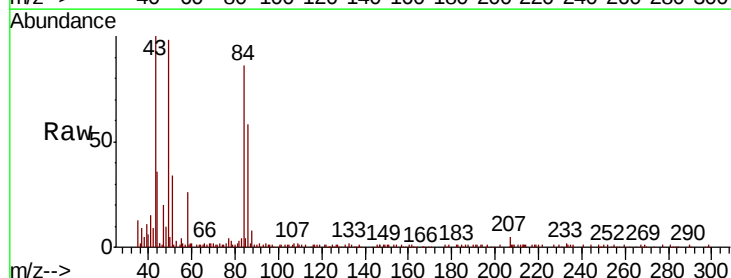
Tot Ion: 73 Resp: 274260
 Ion Ratio Lower Upper
 73 100
 57 19.2 14.2 21.4

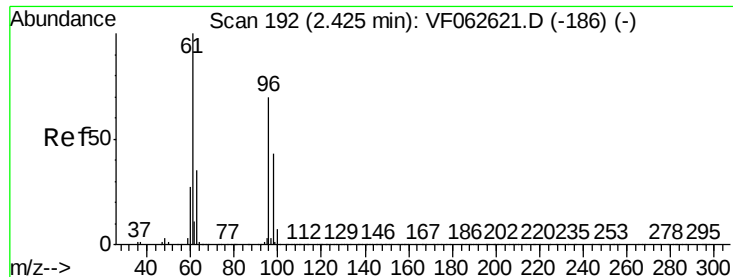


#20

Methylene Chloride
 Concen: 12.370 ug/l
 RT: 2.34 min Scan# 183
 Delta R.T. 0.00 min
 Lab File: VF062721.D
 Acq: 23 May 2019 12:38

Tgt Ion: 84 Resp: 93280
 Ion Ratio Lower Upper
 84 100
 49 114.2 89.8 134.8
 51 40.0 28.4 42.6
 86 67.6 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 21.760 ug/l

RT: 2.43 min Scan# 192

Delta R.T. 0.00 min

Lab File: VF062721.D

Acq: 23 May 2019 12:38

Instrument :
MSVOA_F
ClientSampleId :

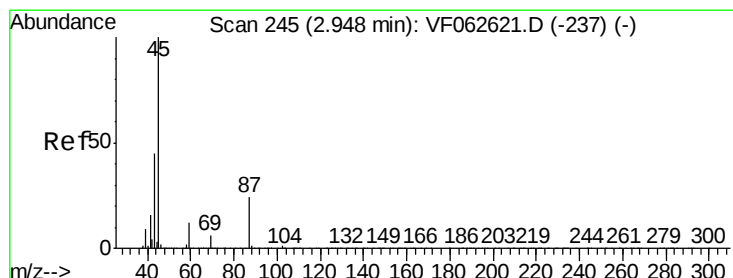
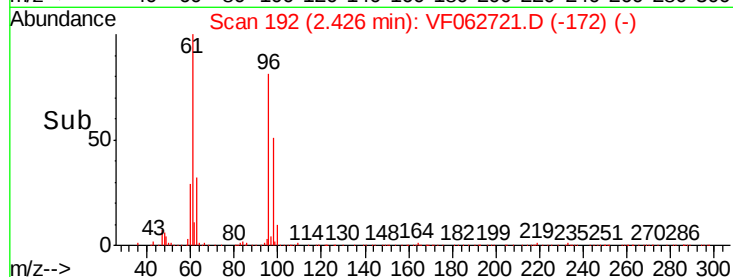
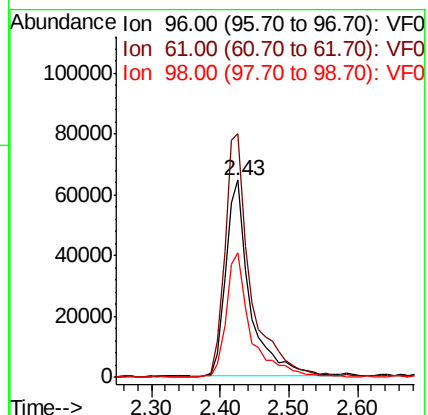
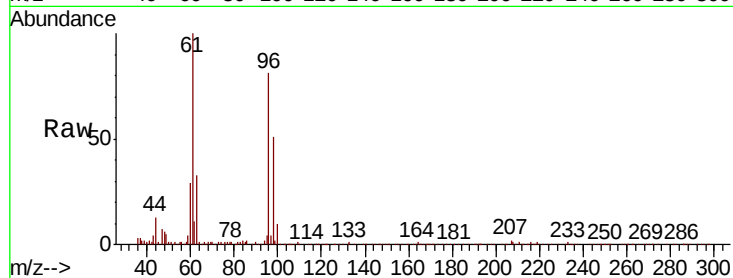
Tot Ion: 96 Resp: 156782

Ion Ratio Lower Upper

96 100

61 123.6 114.6 171.8

98 63.3 49.5 74.3



#22

Diisopropyl ether

Concen: 18.447 ug/l

RT: 2.94 min Scan# 244

Delta R.T. -0.01 min

Lab File: VF062721.D

Acq: 23 May 2019 12:38

Tgt Ion: 45 Resp: 303550

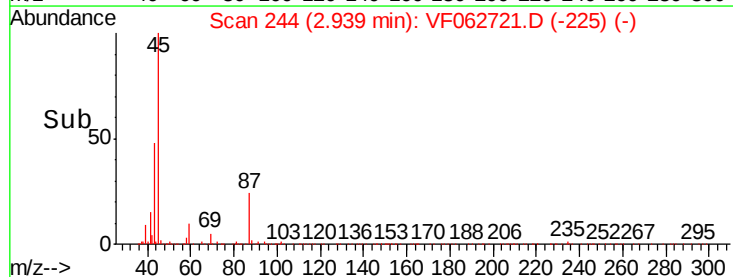
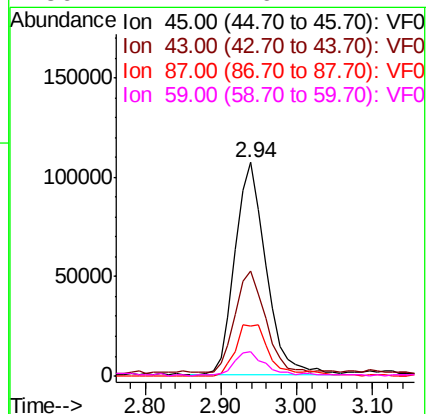
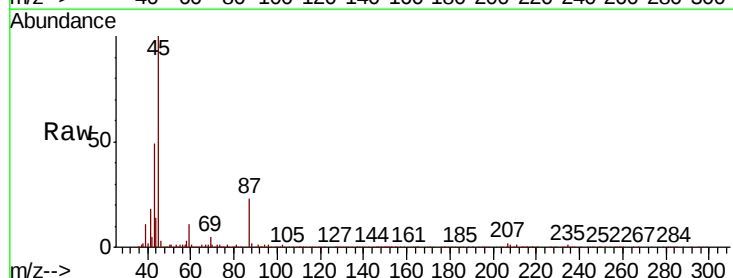
Ion Ratio Lower Upper

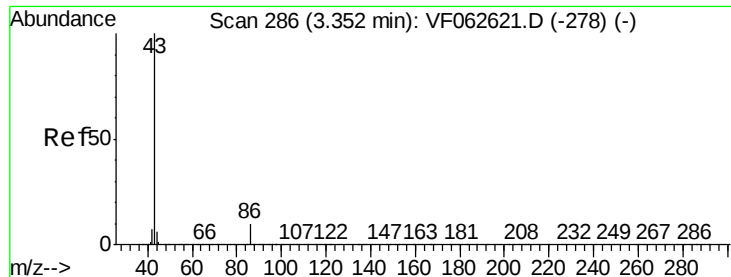
45 100

43 49.1 36.4 54.6

87 23.3 19.3 28.9

59 11.2 9.4 14.2





#23

Vinyl Acetate

Concen: 101.972 ug/l

RT: 3.34 min Scan# 285

Delta R.T. -0.01 min

Lab File: VF062721.D

Acq: 23 May 2019 12:38

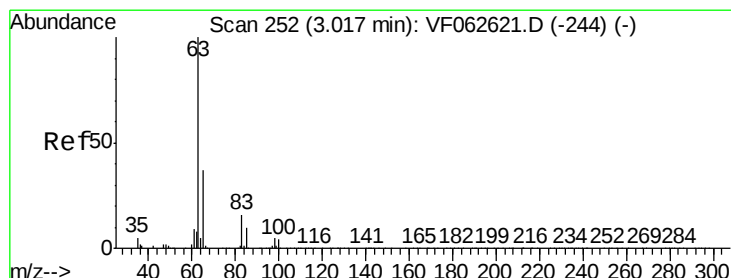
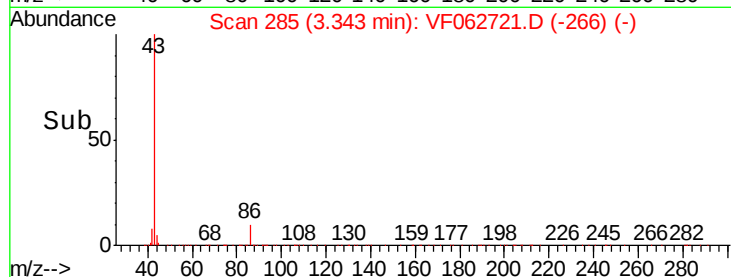
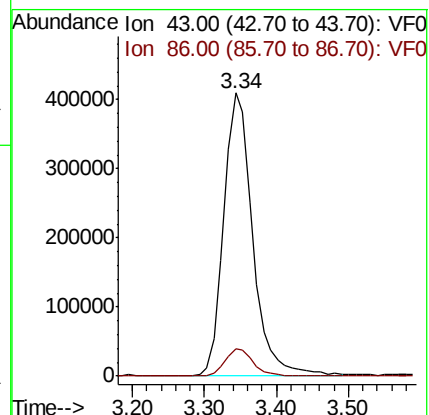
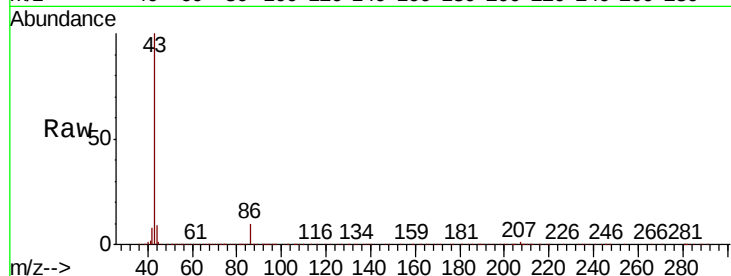
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 1131912

Ion Ratio Lower Upper

43 100

86 9.7 8.2 12.2



#24

1,1-Dichloroethane

Concen: 19.320 ug/l

RT: 3.01 min Scan# 251

Delta R.T. -0.01 min

Lab File: VF062721.D

Acq: 23 May 2019 12:38

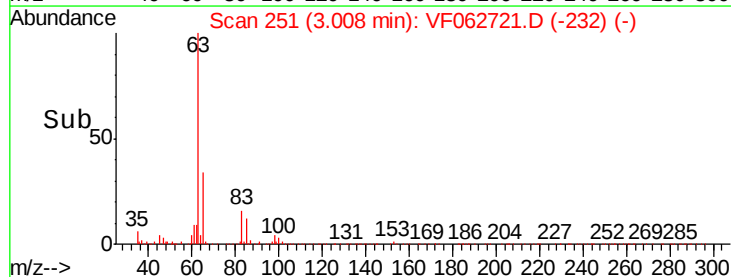
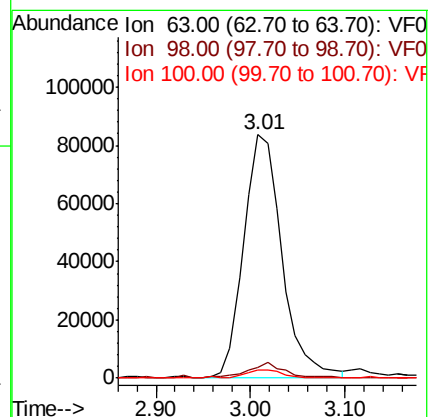
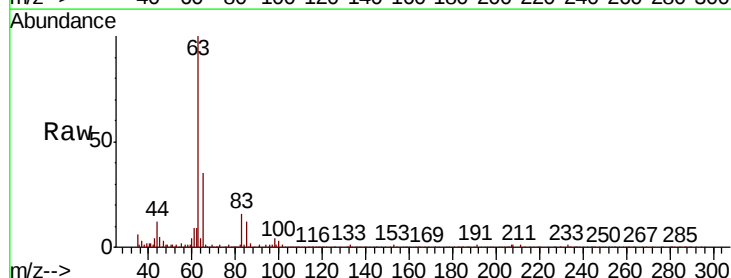
Tgt Ion: 63 Resp: 233225

Ion Ratio Lower Upper

63 100

98 4.4 2.8 8.3

100 3.4 1.9 5.7

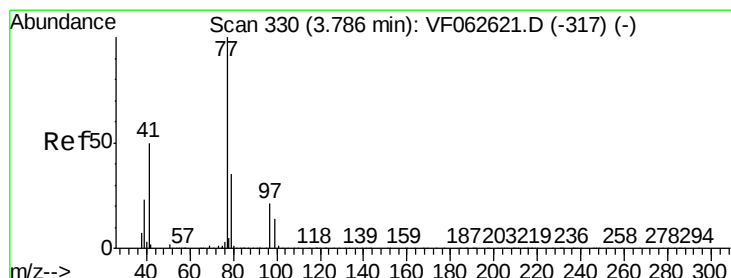
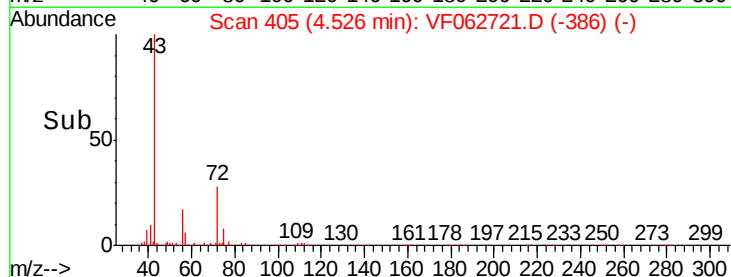
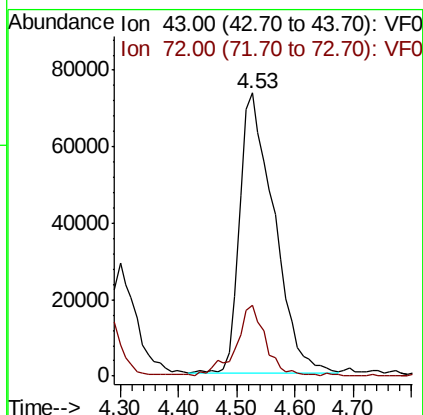
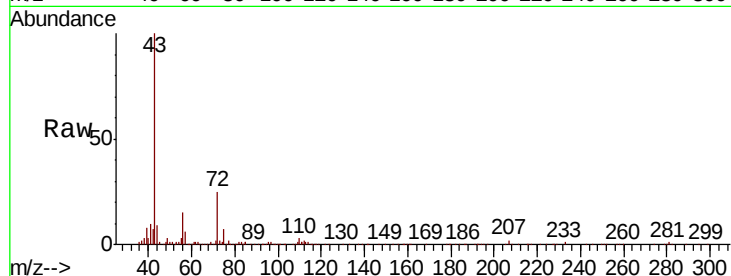




#25
2-Butanone
Concen: 93.458 ug/l
RT: 4.53 min Scan# 405
Delta R.T. -0.01 min
Lab File: VF062721.D
Acq: 23 May 2019 12:38

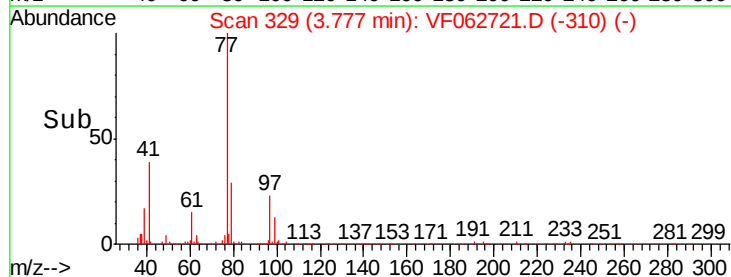
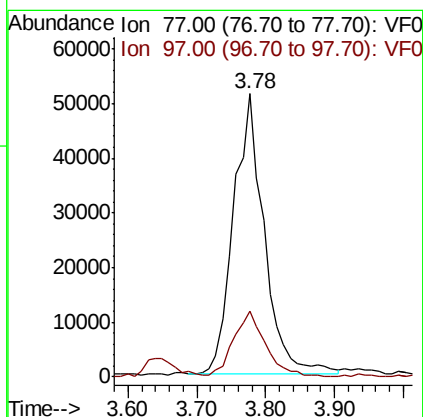
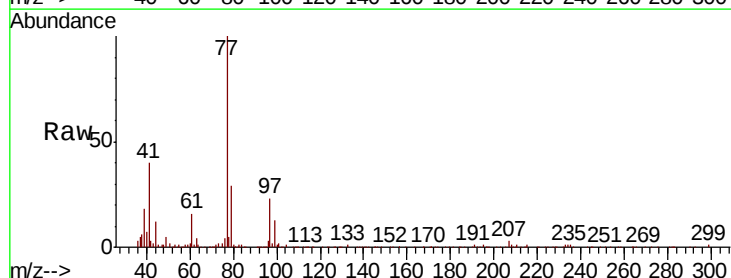
Instrument :
MSVOA_F
ClientSampleId :

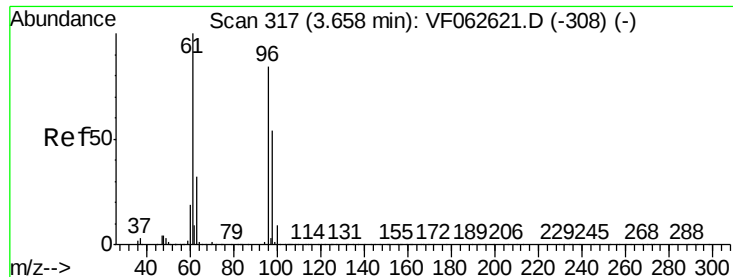
Tot Ion: 43 Resp: 300384
Ion Ratio Lower Upper
43 100
72 25.2 20.1 30.1



#26
2,2-Dichloropropane
Concen: 22.855 ug/l
RT: 3.78 min Scan# 329
Delta R.T. -0.01 min
Lab File: VF062721.D
Acq: 23 May 2019 12:38

Tgt Ion: 77 Resp: 157857
Ion Ratio Lower Upper
77 100
97 23.0 14.1 42.4



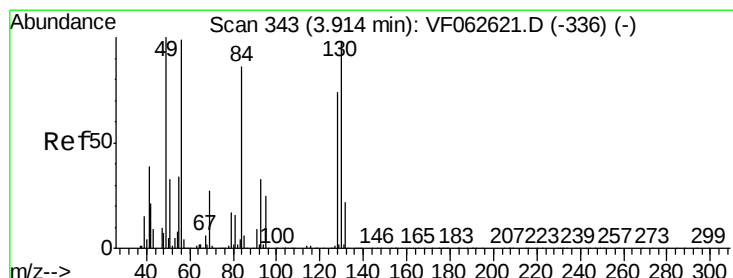
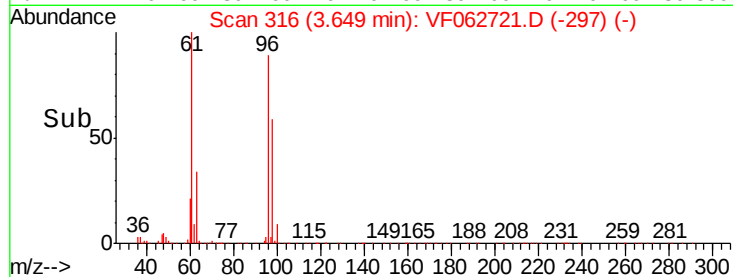
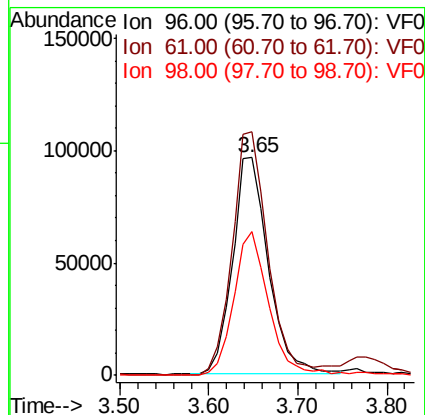
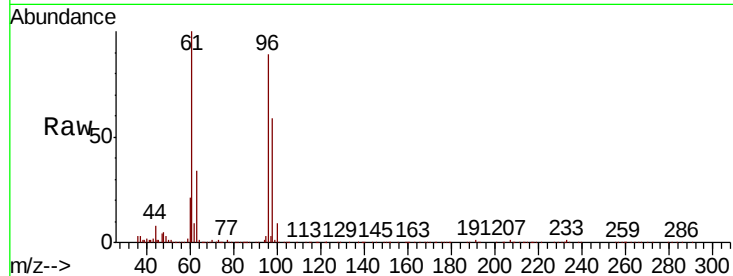


#27

cis-1,2-Dichloroethene
Concen: 22.762 ug/l
RT: 3.65 min Scan# 316
Delta R.T. -0.01 min
Lab File: VF062721.D
Acq: 23 May 2019 12:38

Instrument :
MSVOA_F
ClientSampled :

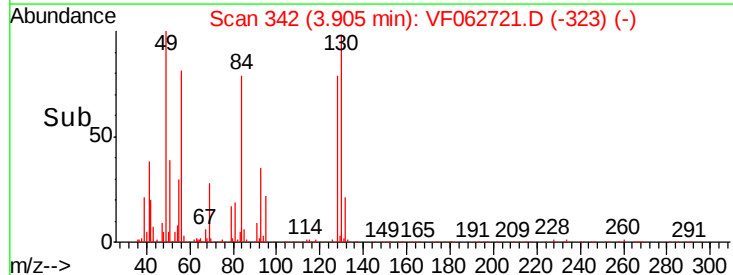
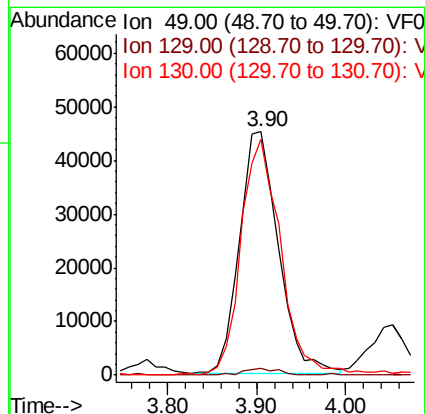
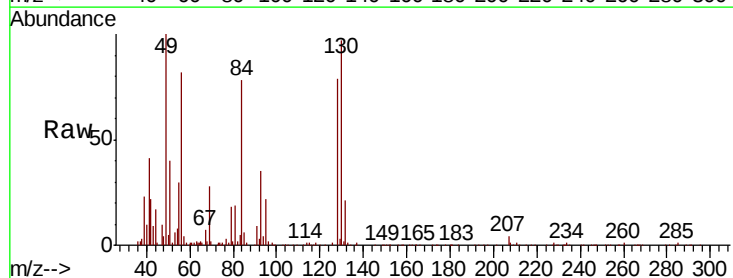
Tot Ion	Ratio	Lower	Upper
96	100		
61	111.9	0.0	237.4
98	65.8	0.0	129.0

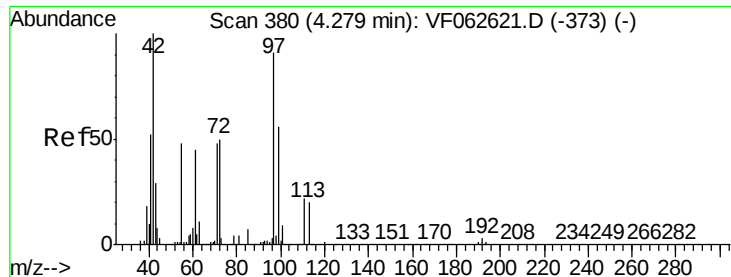


#28

Bromochloromethane
Concen: 19.998 ug/l
RT: 3.90 min Scan# 342
Delta R.T. -0.01 min
Lab File: VF062721.D
Acq: 23 May 2019 12:38

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.9	0.0	4.0
130	97.1	77.8	116.8

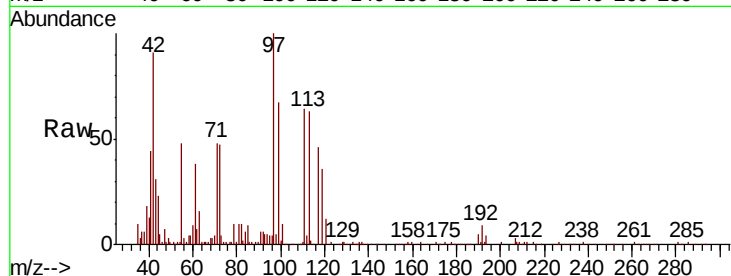




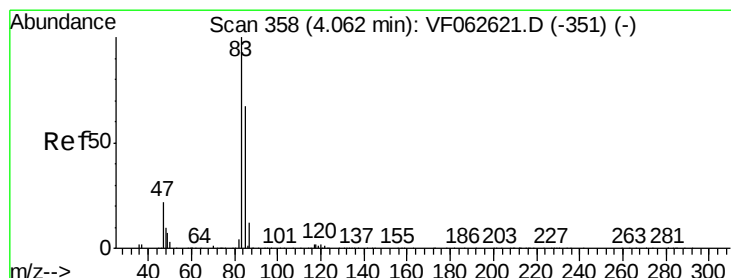
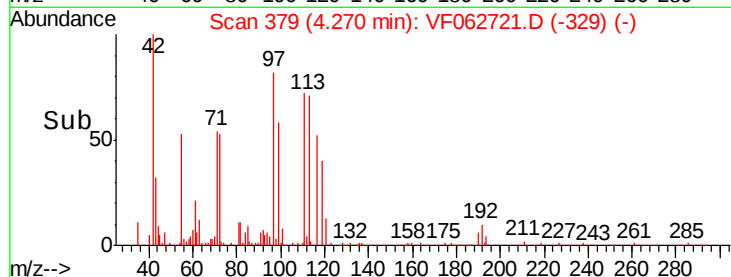
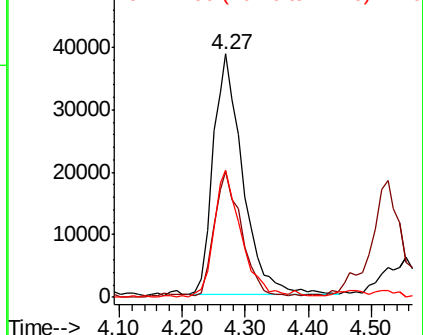
#29
Tetrahydrofuran
Concen: 96.991 ug/l
RT: 4.27 min Scan# 379
Delta R.T. -0.01 min
Lab File: VF062721.D
Acq: 23 May 2019 12:38

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
42	100		
72	48.8	38.2	57.2
71	49.0	35.8	53.6

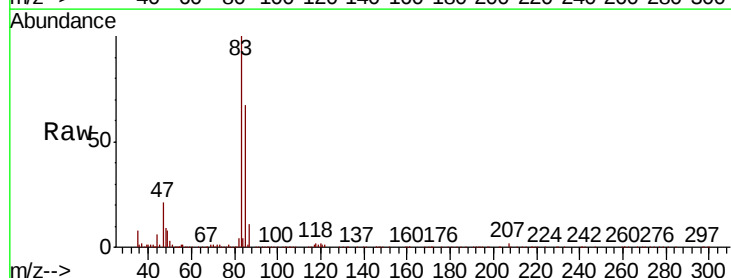


Abundance Ion 42.00 (41.70 to 42.70): VF0
Ion 72.00 (71.70 to 72.70): VF0
Ion 71.00 (70.70 to 71.70): VF0

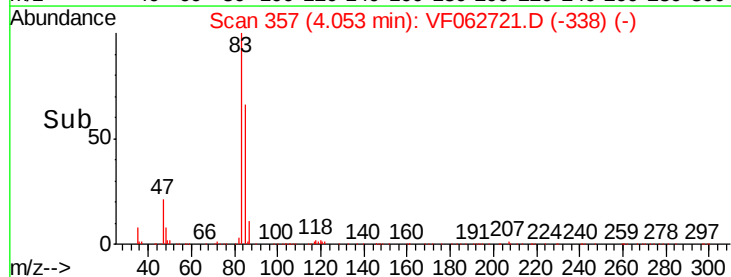
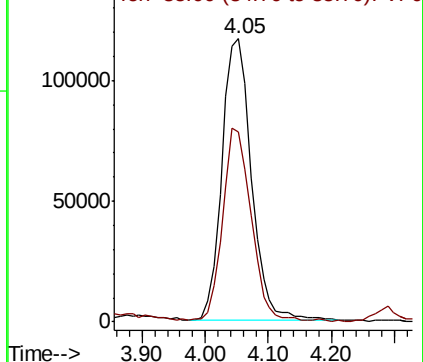


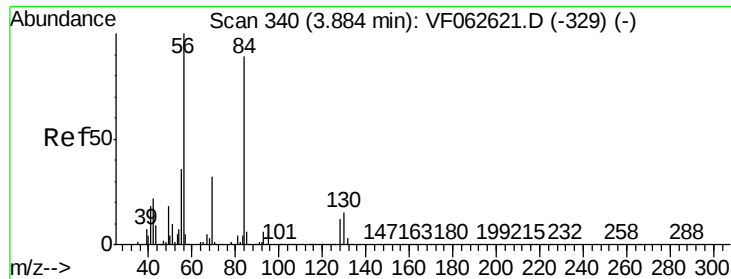
#30
Chloroform
Concen: 22.833 ug/l
RT: 4.05 min Scan# 357
Delta R.T. -0.01 min
Lab File: VF062721.D
Acq: 23 May 2019 12:38

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.2	53.6	80.4



Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 85.00 (84.70 to 85.70): VF0

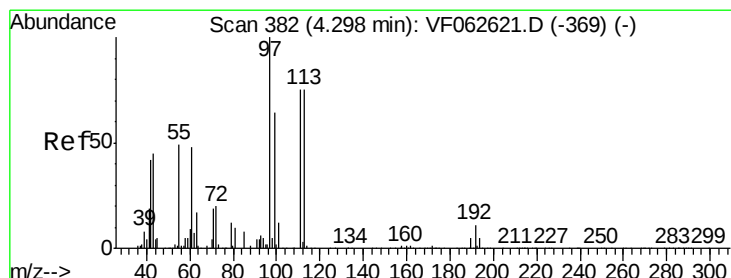
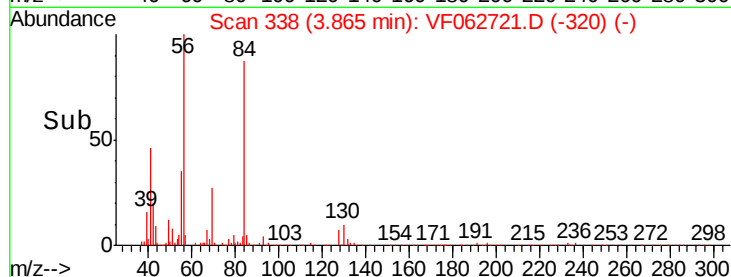
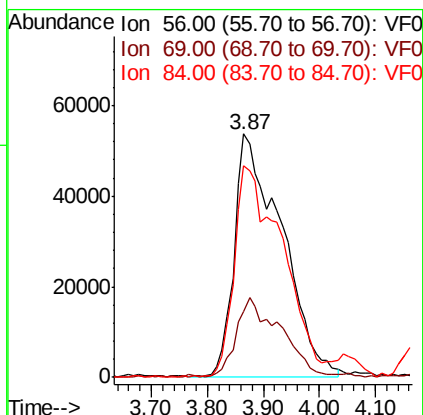
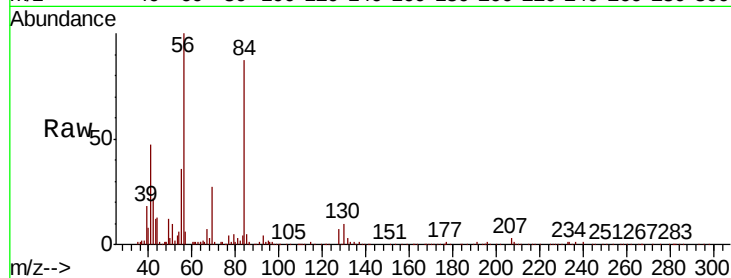




#31
Cyclohexane
Concen: 19.298 ug/l
RT: 3.87 min Scan# 338
Delta R.T. -0.02 min
Lab File: VF062721.D
Acq: 23 May 2019 12:38

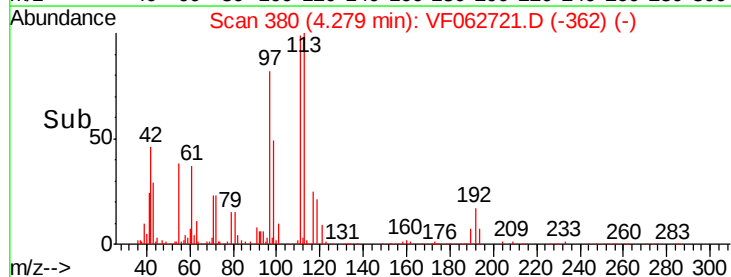
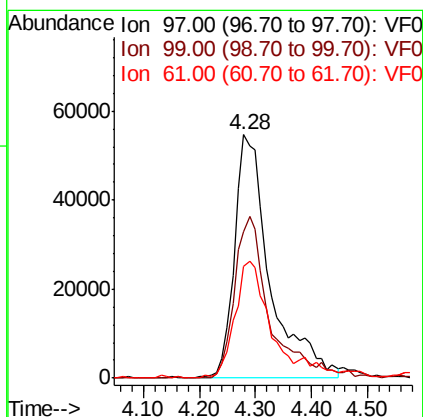
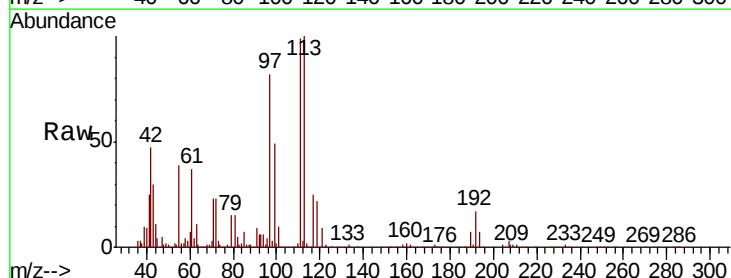
Instrument :
MSVOA_F
ClientSampleId :

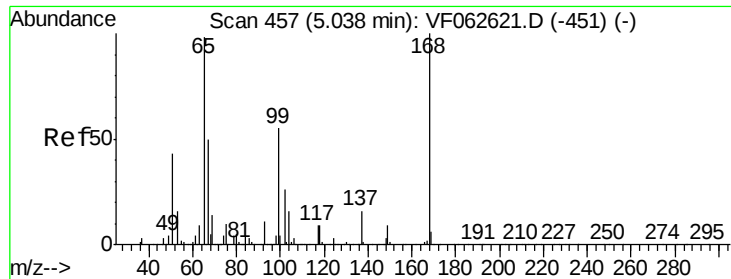
Tot Ion: 56 Resp: 312782
Ion Ratio Lower Upper
56 100
69 26.8 25.3 37.9
84 86.9 71.0 106.4



#32
1,1,1-Trichloroethane
Concen: 21.561 ug/l
RT: 4.28 min Scan# 380
Delta R.T. -0.02 min
Lab File: VF062721.D
Acq: 23 May 2019 12:38

Tgt Ion: 97 Resp: 239992
Ion Ratio Lower Upper
97 100
99 60.1 51.3 76.9
61 45.8 38.2 57.2





#33

1,2-Dichloroethane-d4

Concen: 44.107 ug/l

RT: 5.03 min Scan# 456

Delta R.T. -0.01 min

Lab File: VF062721.D

Acq: 23 May 2019 12:38

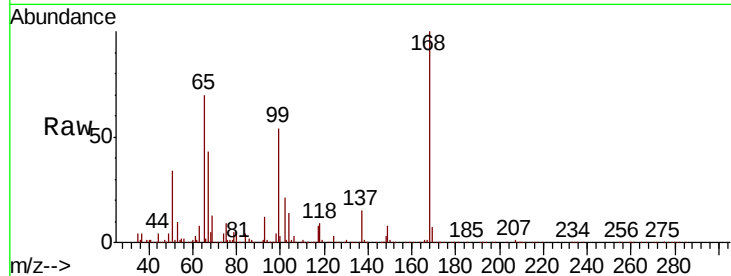
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 65 Resp: 255764

Ion Ratio Lower Upper

65 100

67 61.4 0.0 117.6



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

5.03

100000

80000

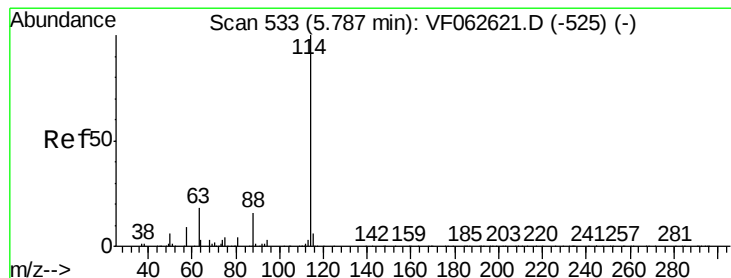
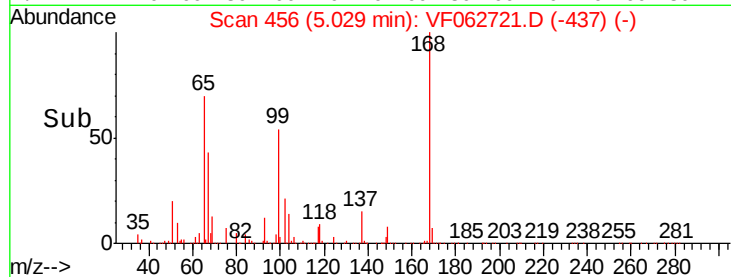
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.77 min Scan# 531

Delta R.T. -0.02 min

Lab File: VF062721.D

Acq: 23 May 2019 12:38

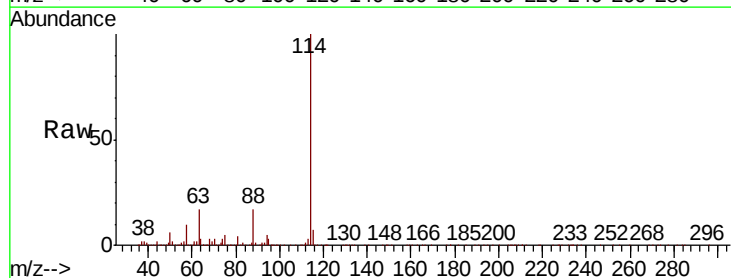
Tgt Ion: 114 Resp: 1340810

Ion Ratio Lower Upper

114 100

63 17.3 0.0 35.4

88 17.3 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

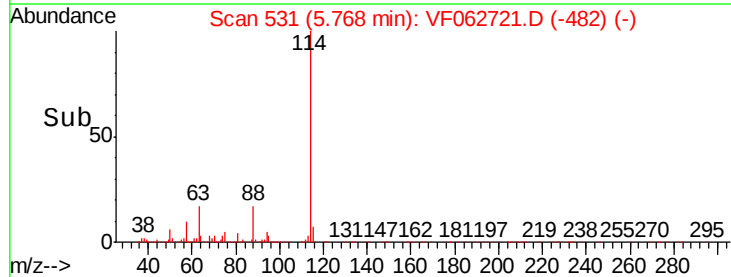
600000

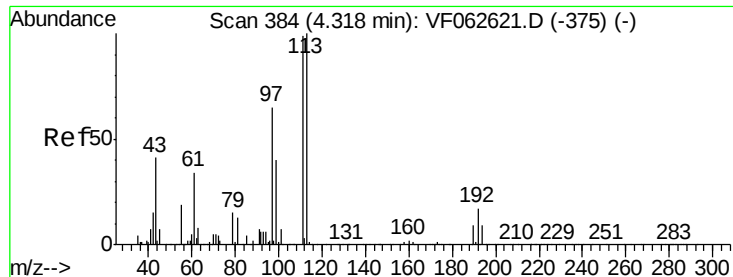
400000

200000

0

Time-->

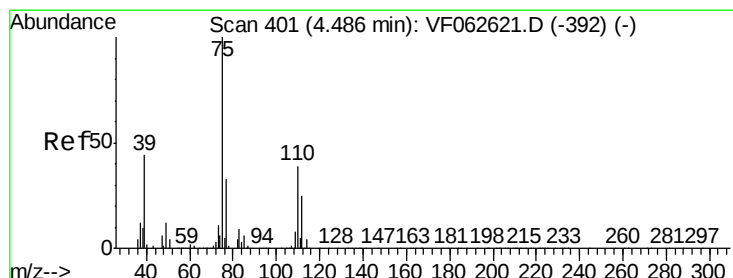
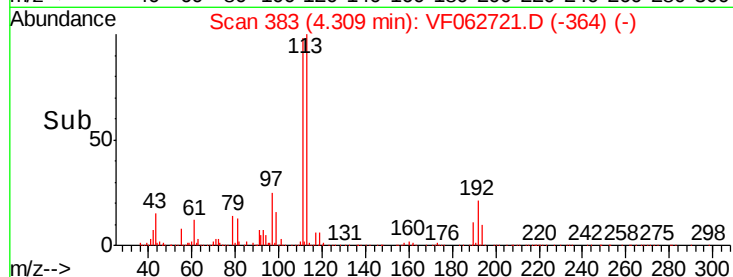
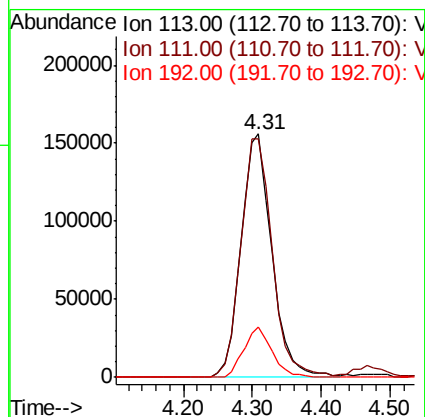
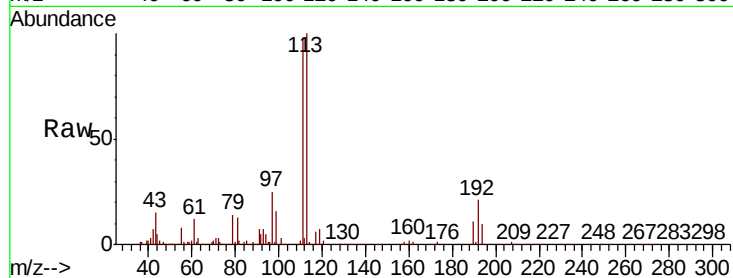




#35
 Dibromofluoromethane
 Concen: 47.129 ug/l
 RT: 4.31 min Scan# 383
 Delta R.T. -0.01 min
 Lab File: VF062721.D
 Acq: 23 May 2019 12:38

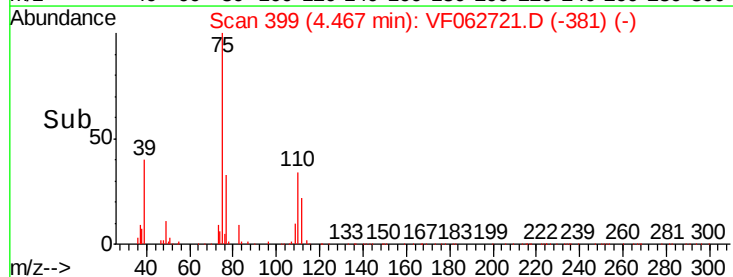
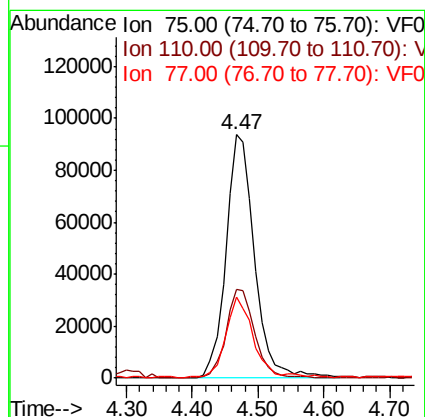
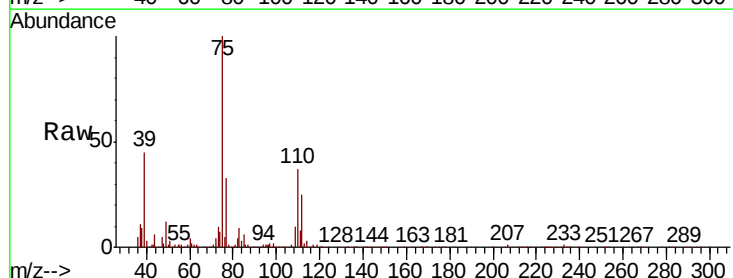
Instrument :
 MSVOA_F
 ClientSampleId :

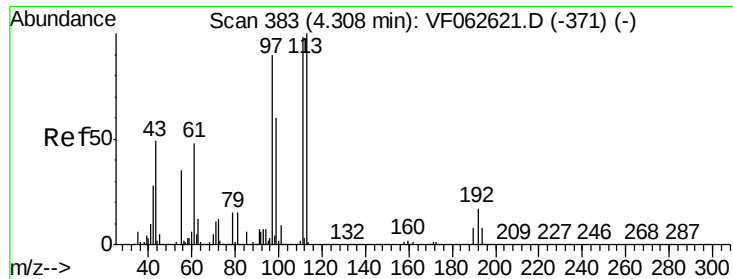
Tot Ion	Ratio	Lower	Upper
113	100		
111	97.9	79.4	119.2
192	20.5	13.4	20.2#



#36
 1,1-Dichloropropene
 Concen: 20.746 ug/l
 RT: 4.47 min Scan# 399
 Delta R.T. -0.02 min
 Lab File: VF062721.D
 Acq: 23 May 2019 12:38

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.5	19.7	59.1
77	33.1	26.3	39.5

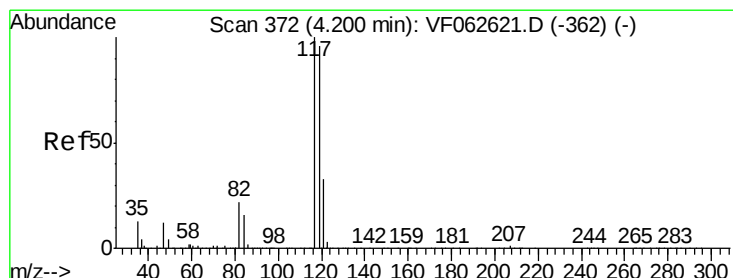
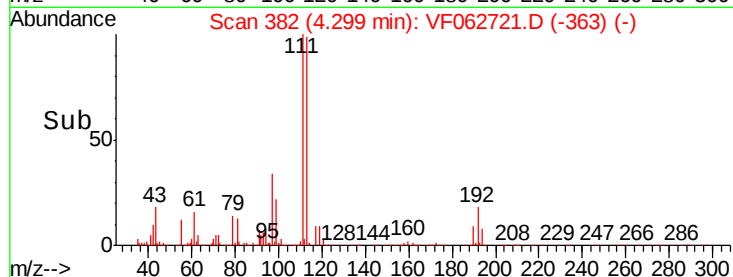
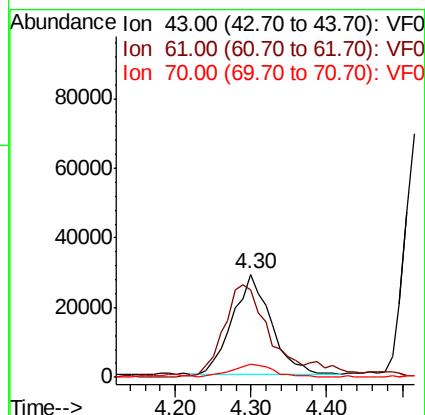
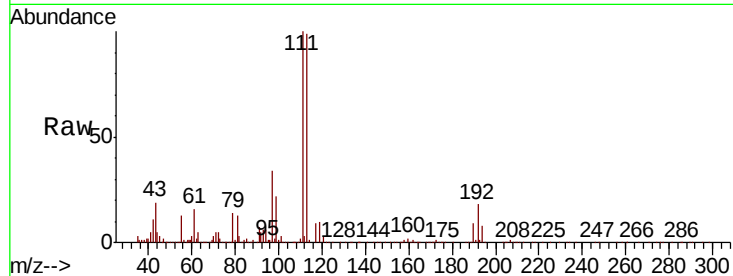




#37
Ethyl Acetate
Concen: 18.244 ug/l
RT: 4.30 min Scan# 382
Delta R.T. -0.01 min
Lab File: VF062721.D
Acq: 23 May 2019 12:38

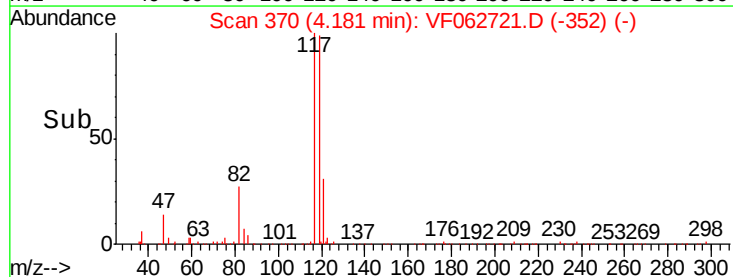
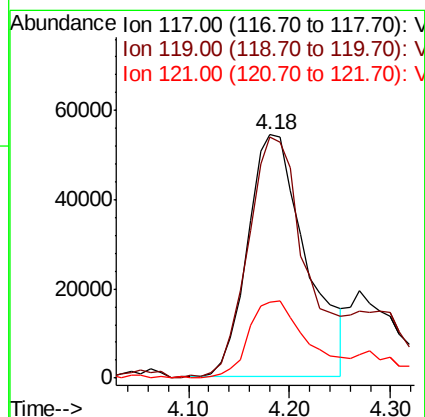
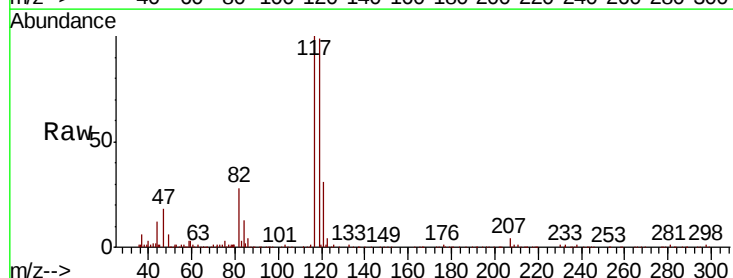
Instrument :
MSVOA_F
ClientSampled :

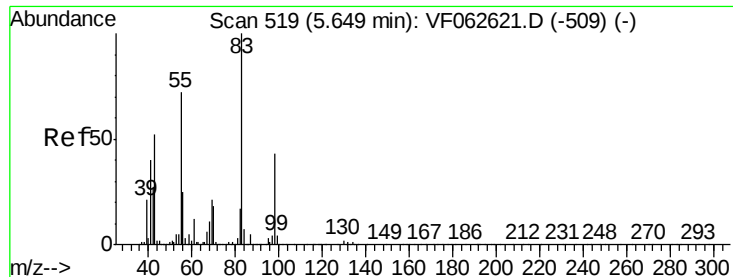
Tot Ion: 43 Resp: 102343
Ion Ratio Lower Upper
43 100
61 84.5 76.9 115.3
70 13.4 8.8 13.2#



#38
Carbon Tetrachloride
Concen: 21.216 ug/l
RT: 4.18 min Scan# 370
Delta R.T. -0.02 min
Lab File: VF062721.D
Acq: 23 May 2019 12:38

Tgt Ion:117 Resp: 219221
Ion Ratio Lower Upper
117 100
119 99.3 76.7 115.1
121 31.1 26.6 40.0

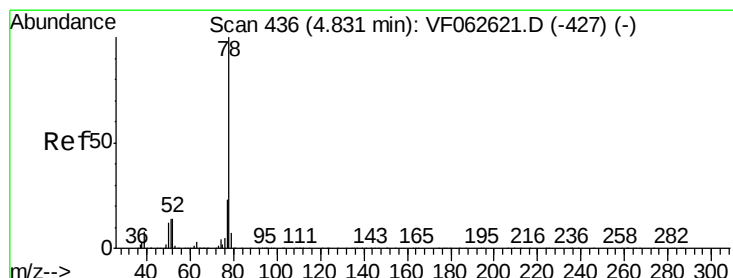
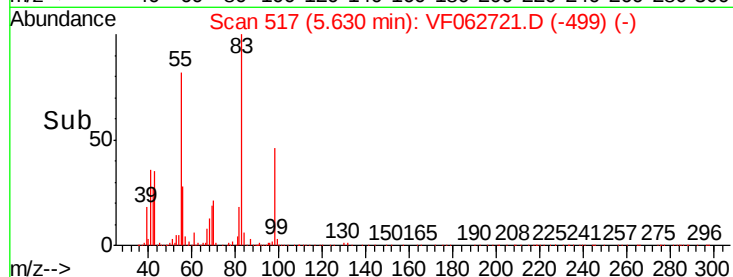
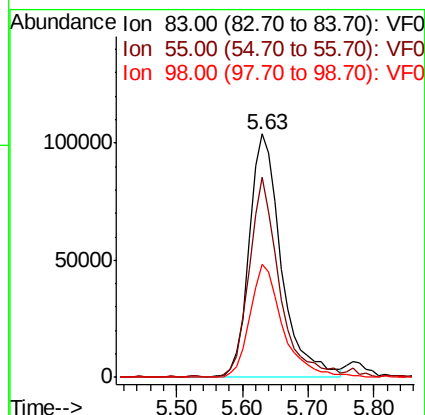
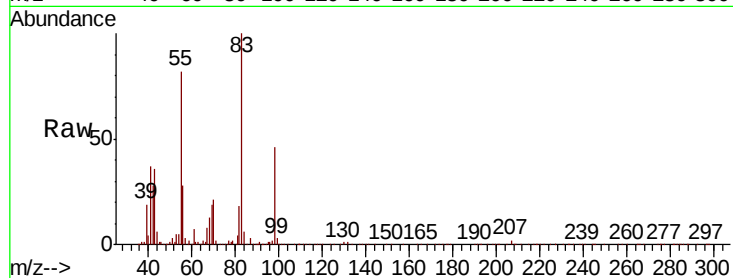




#39
Methvlcvclohexane
Concen: 21.533 ug/l
RT: 5.63 min Scan# 517
Delta R.T. -0.02 min
Lab File: VF062721.D
Acq: 23 May 2019 12:38

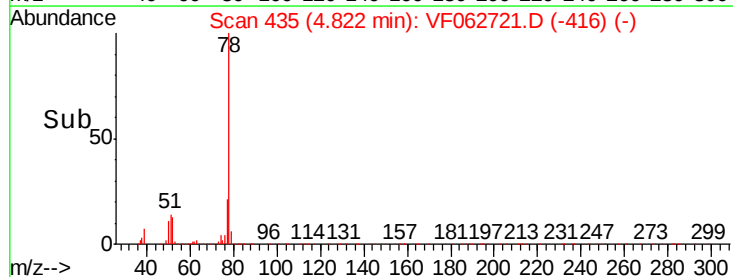
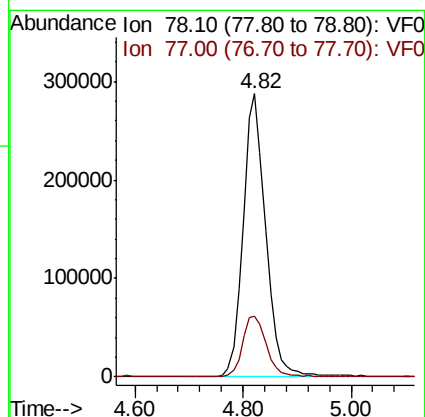
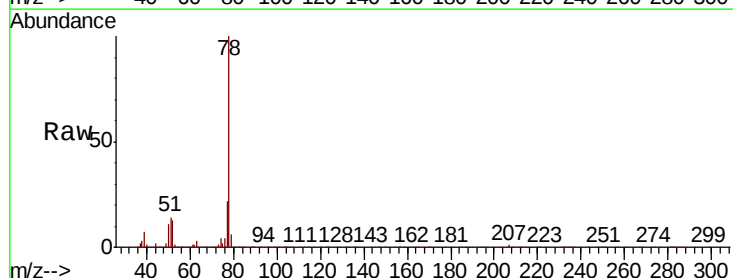
Instrument :
MSVOA_F
ClientSampleId :

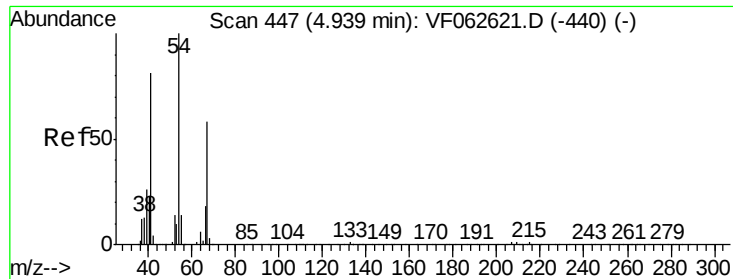
Tot Ion	83.00	Resp	355976
Ion	Ratio	Lower	Upper
83	100		
55	82.2	57.9	86.9
98	46.4	34.6	52.0



#40
Benzene
Concen: 22.202 ug/l
RT: 4.82 min Scan# 435
Delta R.T. -0.01 min
Lab File: VF062721.D
Acq: 23 May 2019 12:38

Tgt Ion	78	Resp	830988
Ion	Ratio	Lower	Upper
78	100		
77	21.6	18.2	27.2





#41

Methacrylonitrile

Concen: 19.745 ug/l

RT: 4.93 min Scan# 446

Delta R.T. -0.01 min

Lab File: VF062721.D

Acq: 23 May 2019 12:38

Instrument :

MSVOA_F

ClientSampleId :

Tot Ion: 41 Resp: 58069

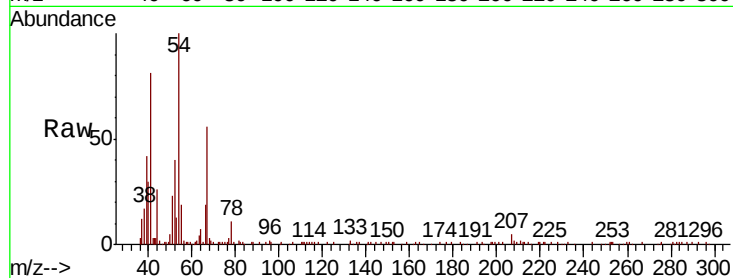
Ion Ratio Lower Upper

41 100

39 51.1 42.2 63.2

67 68.7 56.4 84.6

52 49.1 38.8 58.2

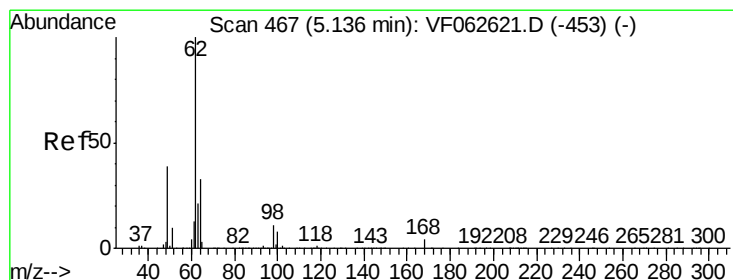
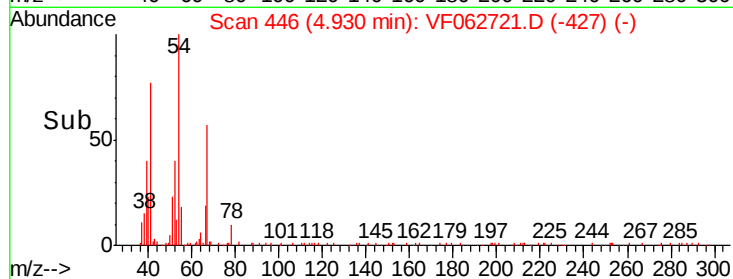
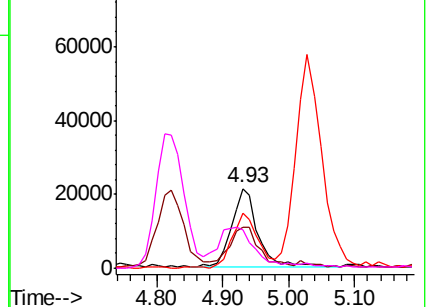


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#42

1,2-Dichloroethane

Concen: 20.785 ug/l

RT: 5.13 min Scan# 466

Delta R.T. -0.01 min

Lab File: VF062721.D

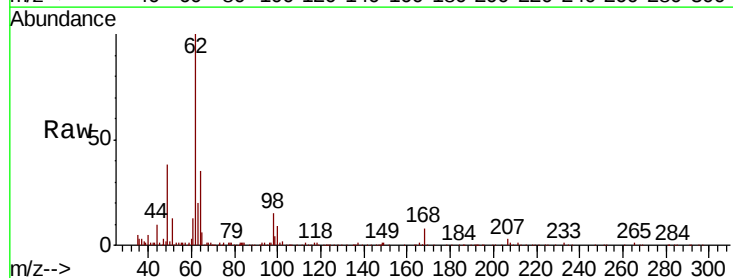
Acq: 23 May 2019 12:38

Tgt Ion: 62 Resp: 155141

Ion Ratio Lower Upper

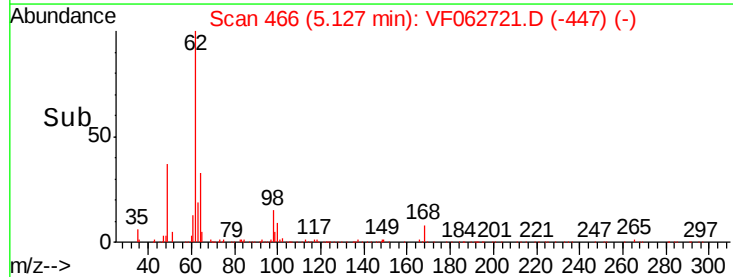
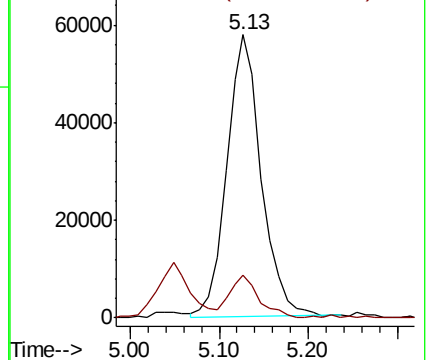
62 100

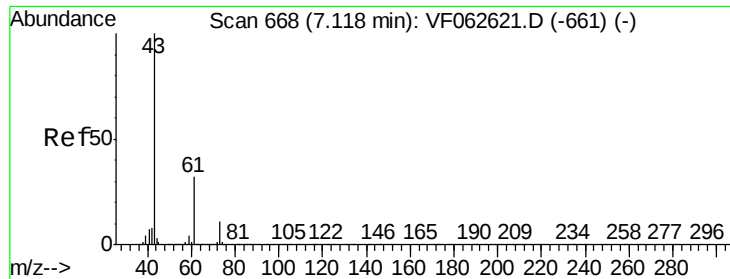
98 15.0 0.0 21.6



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



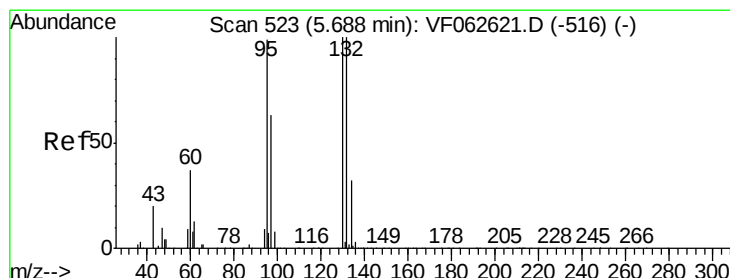
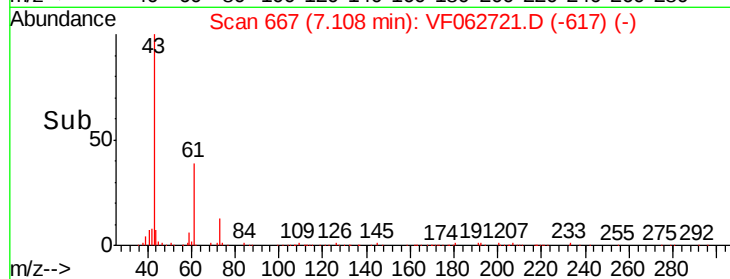
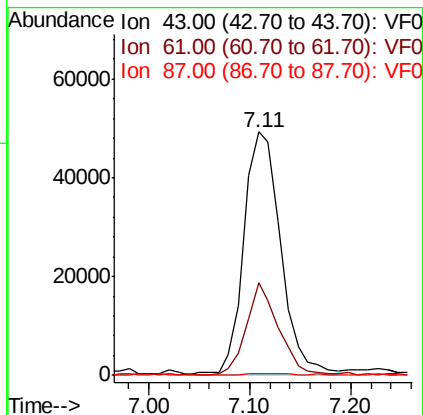
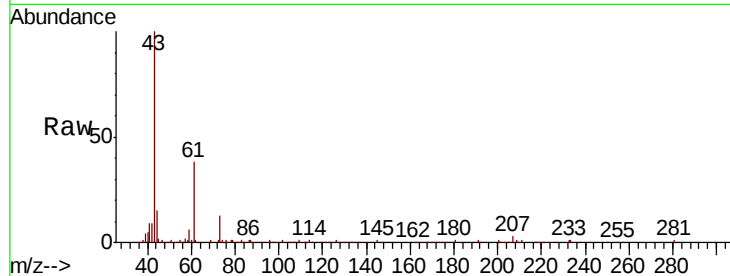


#43

Isopropyl Acetate
 Concen: 17.445 ug/l
 RT: 7.11 min Scan# 667
 Delta R.T. -0.01 min
 Lab File: VF062721.D
 Acq: 23 May 2019 12:38

Instrument :
 MSVOA_F
 ClientSampleId :

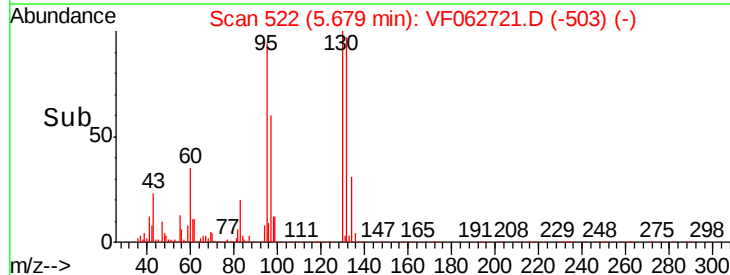
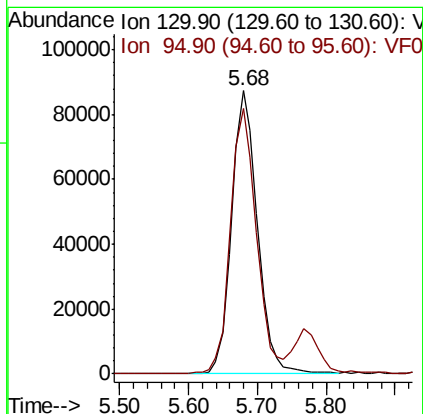
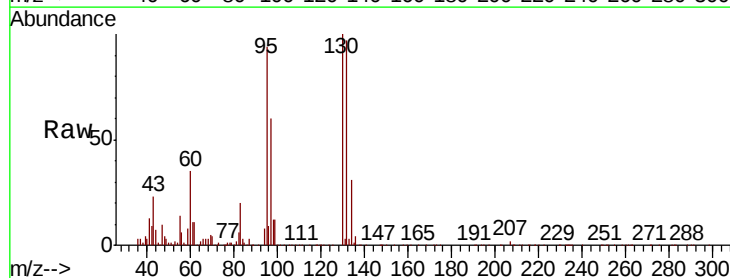
Tot Ion	Ratio	Lower	Upper
43	100		
61	37.9	25.8	38.8
87	1.1	0.4	0.6

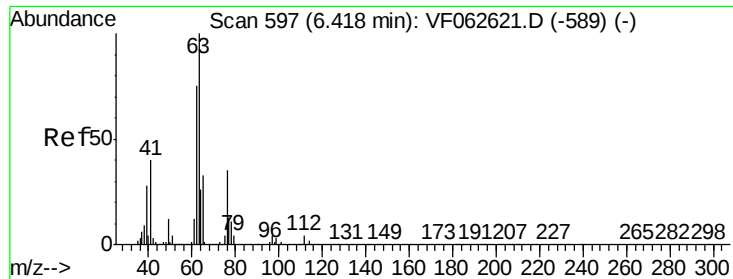


#44

Trichloroethene
 Concen: 21.607 ug/l
 RT: 5.68 min Scan# 522
 Delta R.T. -0.01 min
 Lab File: VF062721.D
 Acq: 23 May 2019 12:38

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.7	0.0	199.4

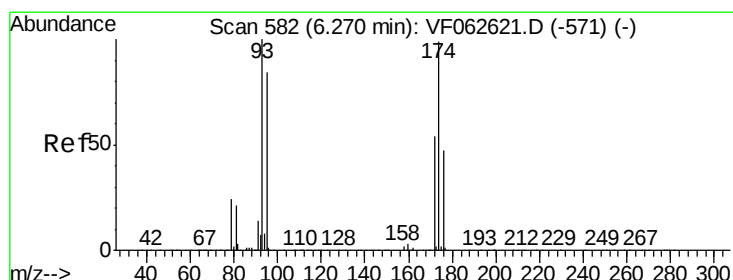
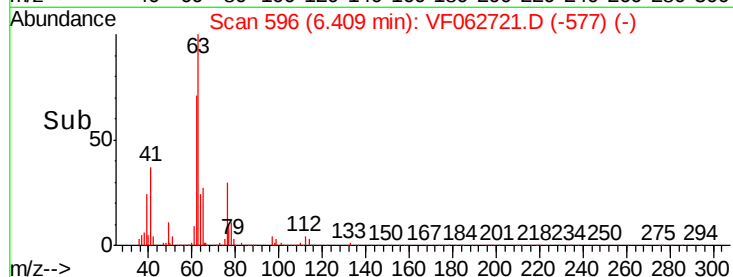
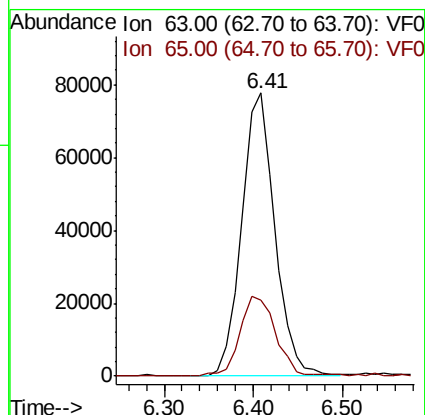
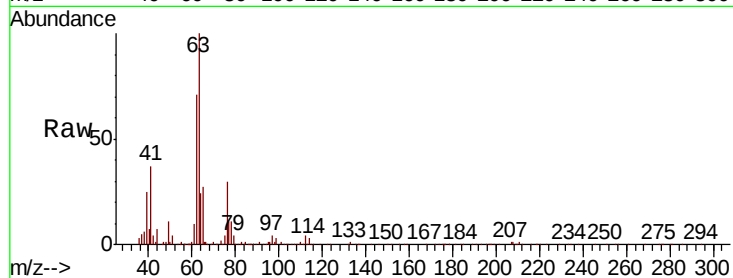




#45
 1,2-Dichloropropane
 Concen: 21.241 ug/l
 RT: 6.41 min Scan# 596
 Delta R.T. -0.01 min
 Lab File: VF062721.D
 Acq: 23 May 2019 12:38

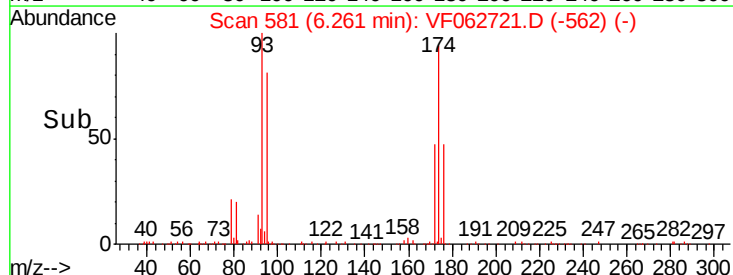
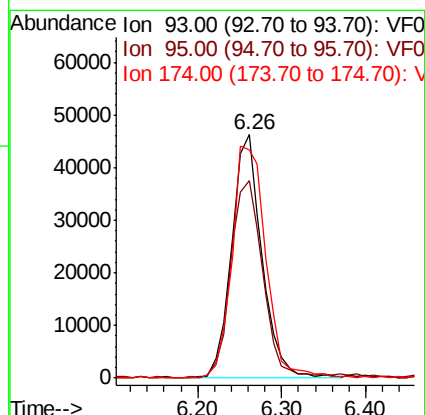
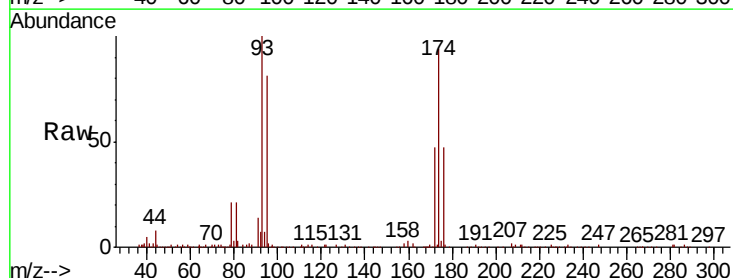
Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion: 63 Resp: 200693
 Ion Ratio Lower Upper
 63 100
 65 27.0 26.3 39.5



#46
 Dibromomethane
 Concen: 21.206 ug/l
 RT: 6.26 min Scan# 581
 Delta R.T. -0.01 min
 Lab File: VF062721.D
 Acq: 23 May 2019 12:38

Tgt Ion: 93 Resp: 115798
 Ion Ratio Lower Upper
 93 100
 95 81.1 67.4 101.2
 174 96.6 79.4 119.2





#47

Bromodichloromethane

Concen: 21.032 ug/l

RT: 6.55 min Scan# 610

Delta R.T. -0.02 min

Lab File: VF062721.D

Acq: 23 May 2019 12:38

Instrument :

MSVOA_F

ClientSampleId :

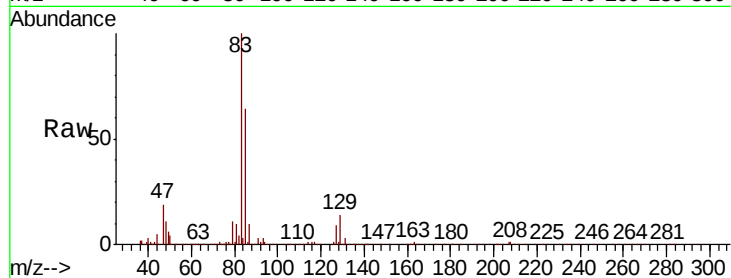
Tot Ion: 83 Resp: 238417

Ion Ratio Lower Upper

83 100

85 63.7 52.0 78.0

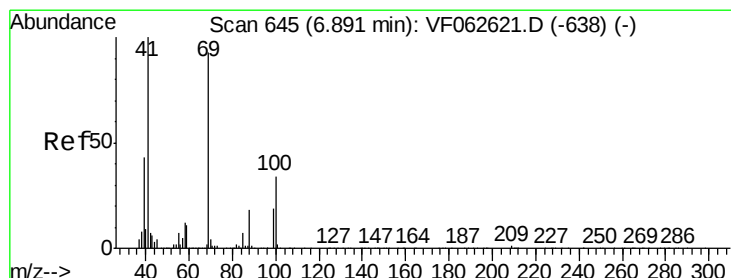
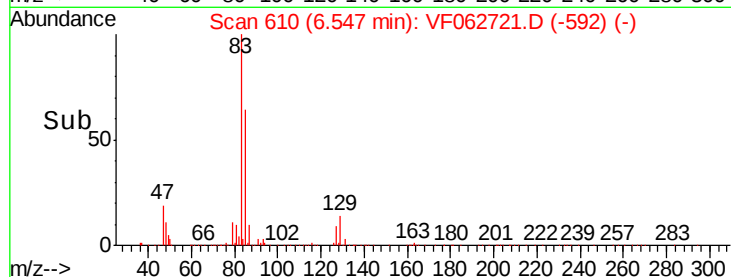
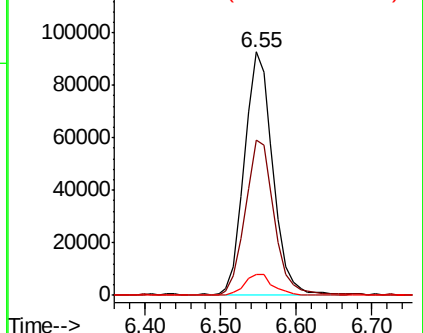
127 8.6 7.7 11.5



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 17.114 ug/l

RT: 6.87 min Scan# 643

Delta R.T. -0.02 min

Lab File: VF062721.D

Acq: 23 May 2019 12:38

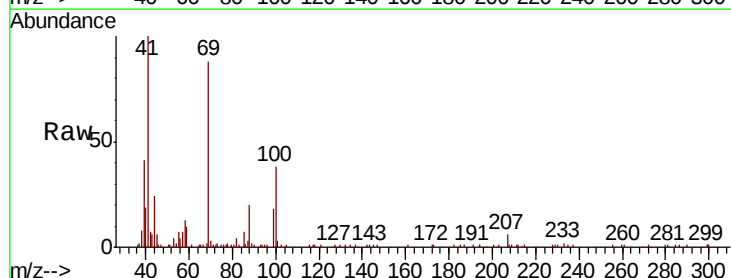
Tgt Ion: 41 Resp: 65011

Ion Ratio Lower Upper

41 100

69 88.2 74.2 111.2

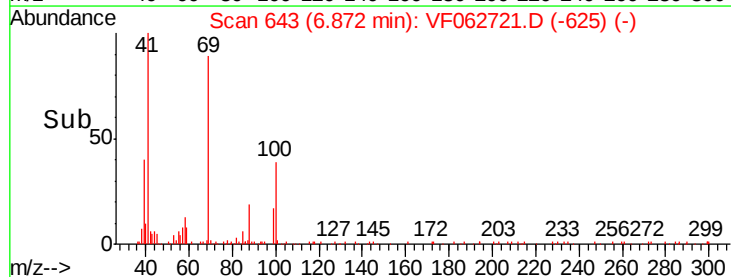
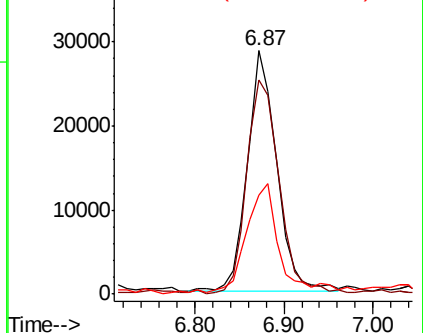
39 40.8 34.2 51.4

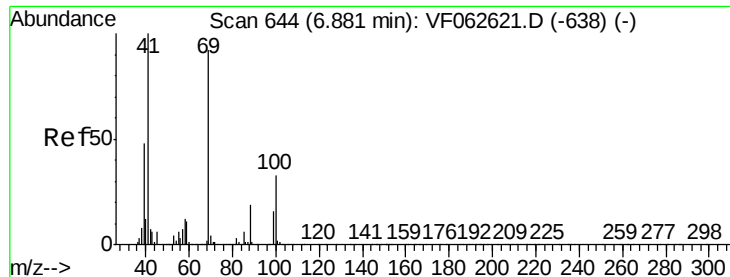


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

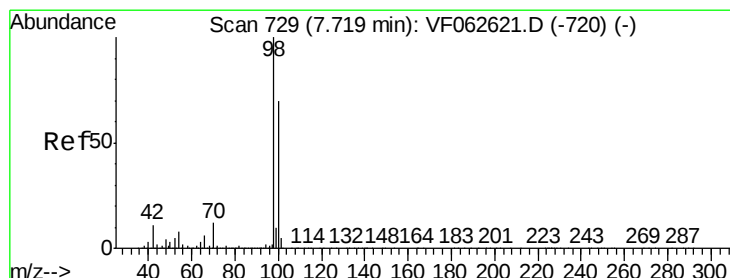
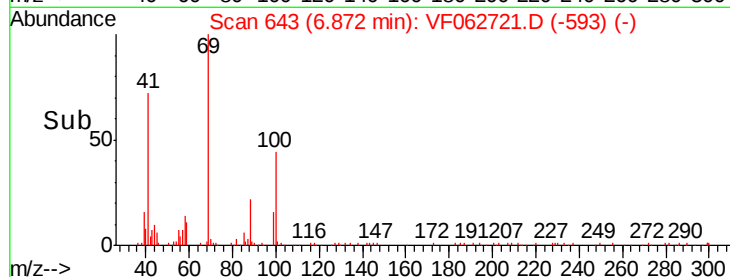
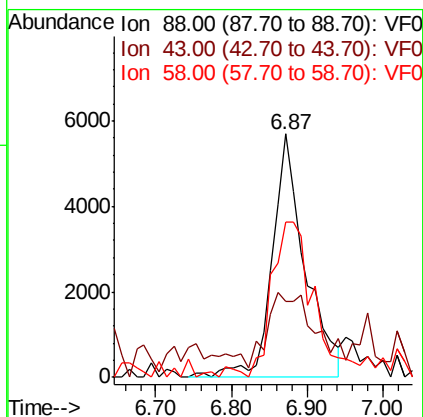
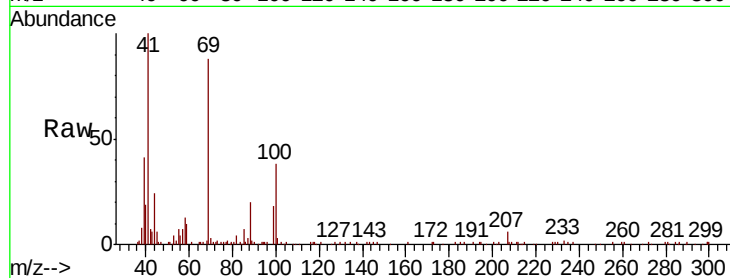




#49
1,4-Dioxane
Concen: 352.148 ug/l
RT: 6.87 min Scan# 643
Delta R.T. -0.01 min
Lab File: VF062721.D
Acq: 23 May 2019 12:38

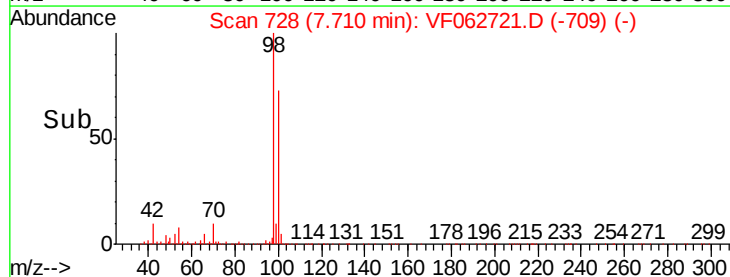
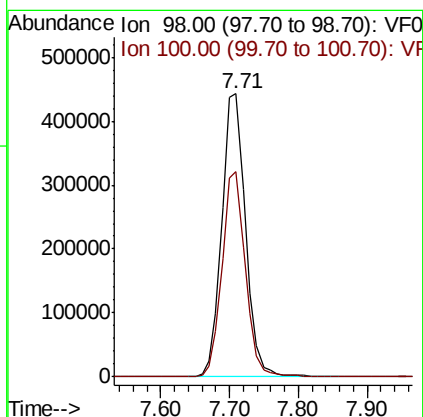
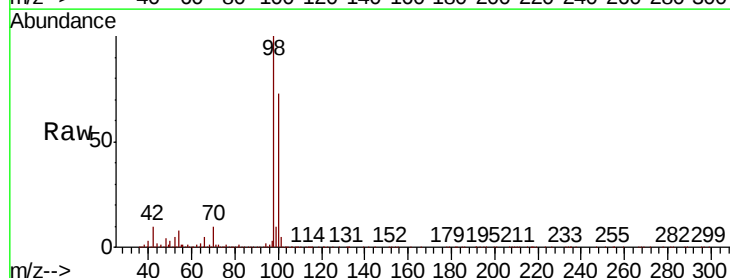
Instrument :
MSVOA_F
ClientSampleId :

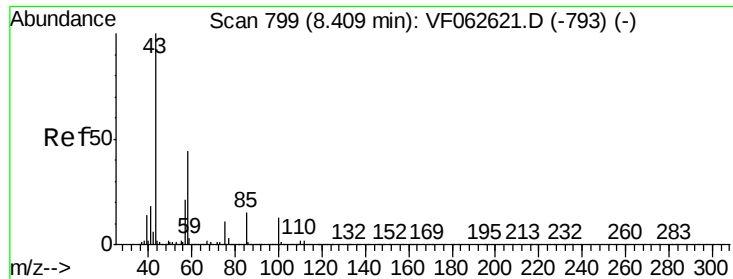
Tot Ion: 88 Resp: 17133
Ion Ratio Lower Upper
88 100
43 31.1 30.0 45.0
58 63.6 51.1 76.7



#50
Toluene-d8
Concen: 43.320 ug/l
RT: 7.71 min Scan# 728
Delta R.T. -0.01 min
Lab File: VF062721.D
Acq: 23 May 2019 12:38

Tgt Ion: 98 Resp: 1061208
Ion Ratio Lower Upper
98 100
100 72.7 56.2 84.2





#51

4-Methyl-2-Pentanone

Concen: 92.995 ug/l

RT: 8.40 min Scan# 798

Delta R.T. -0.01 min

Lab File: VF062721.D

Acq: 23 May 2019 12:38

Instrument :

MSVOA_F

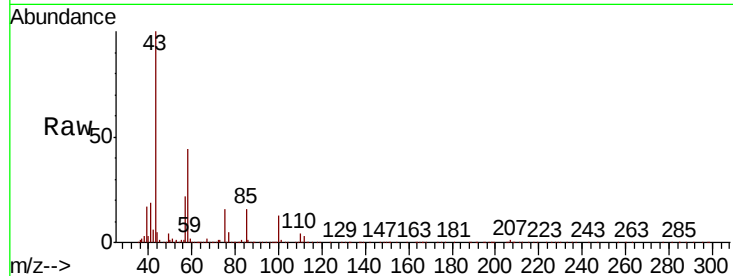
ClientSampled :

Tot Ion: 43 Resp: 461968

Ion Ratio Lower Upper

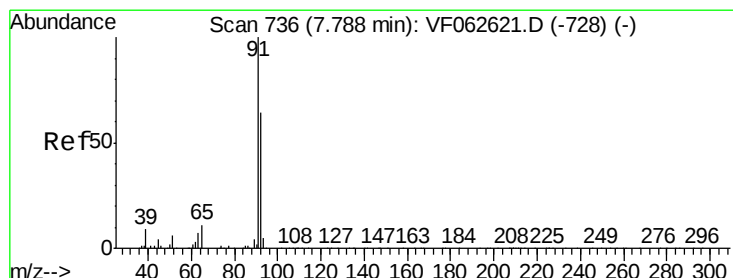
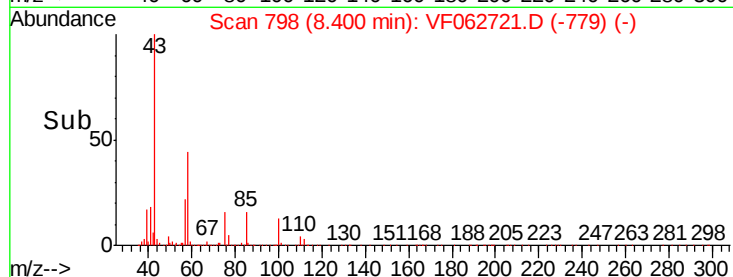
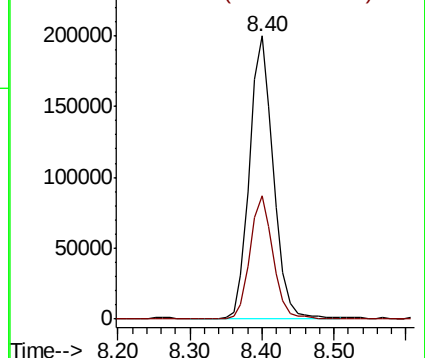
43 100

58 43.7 34.9 52.3



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 20.661 ug/l

RT: 7.78 min Scan# 735

Delta R.T. -0.01 min

Lab File: VF062721.D

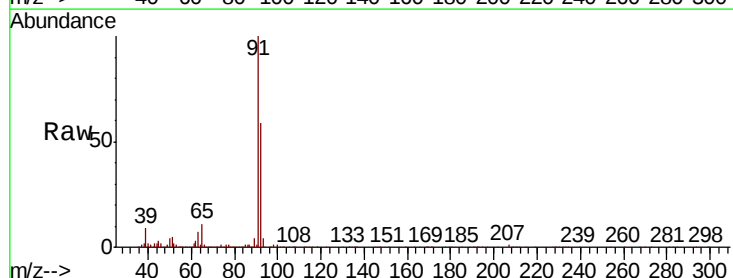
Acq: 23 May 2019 12:38

Tgt Ion: 92 Resp: 405565

Ion Ratio Lower Upper

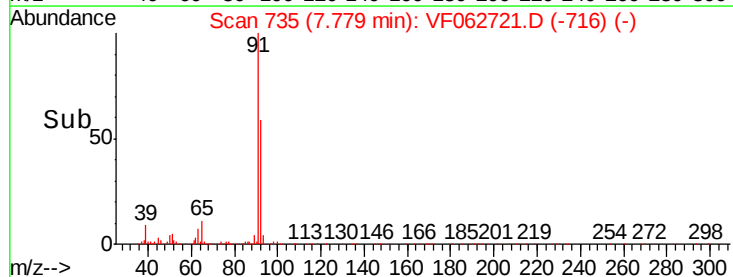
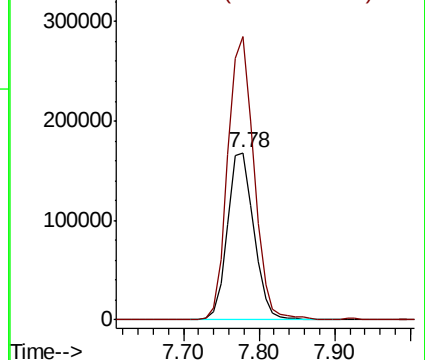
92 100

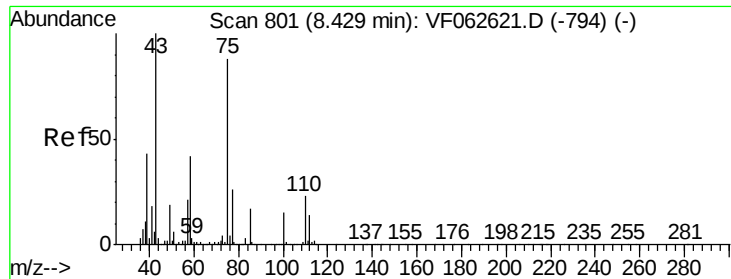
91 169.6 125.4 188.0



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

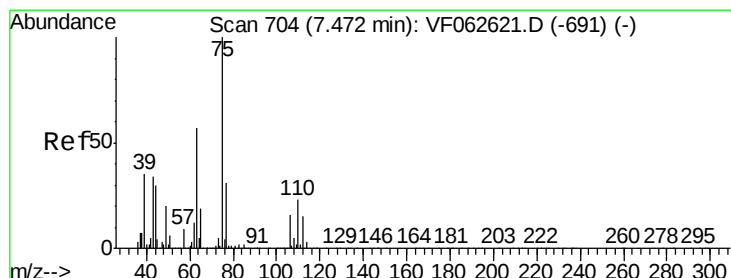
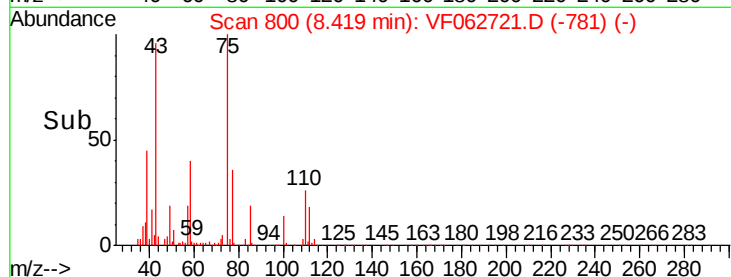
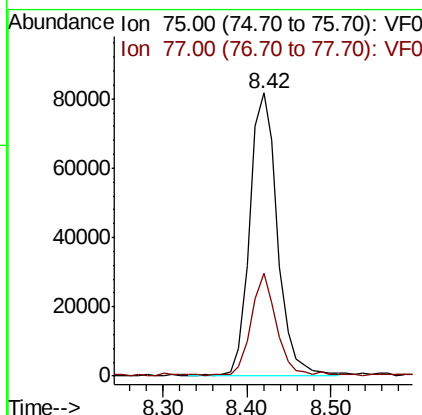
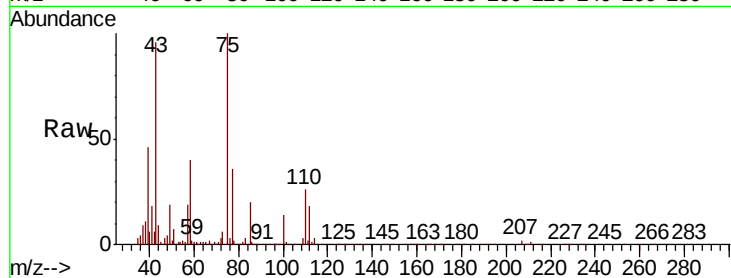




#53
 t-1,3-Dichloropropene
 Concen: 20.249 ug/l
 RT: 8.42 min Scan# 800
 Delta R.T. -0.01 min
 Lab File: VF062721.D
 Acq: 23 May 2019 12:38

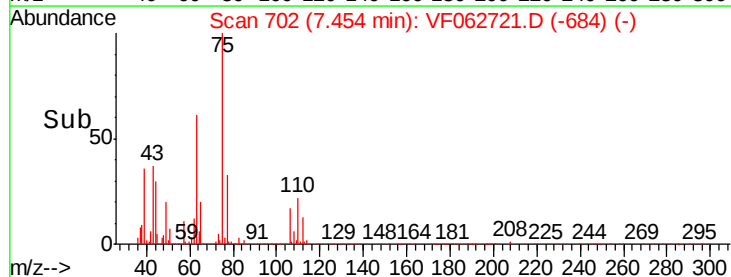
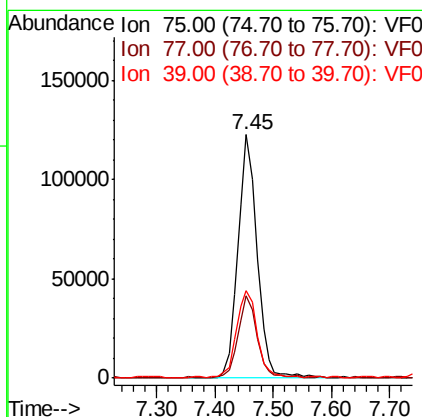
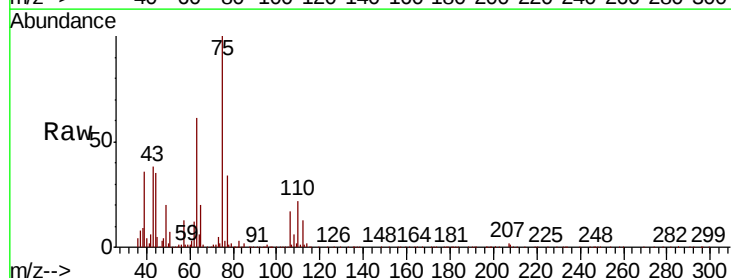
Instrument :
 MSVOA_F
 ClientSampleId :

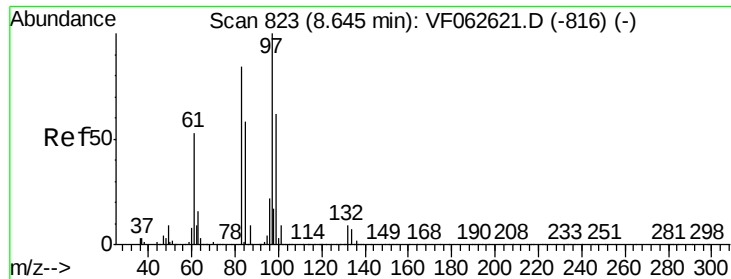
Tot Ion: 75 Resp: 187792
 Ion Ratio Lower Upper
 75 100
 77 36.3 24.2 36.4



#54
 cis-1,3-Dichloropropene
 Concen: 21.713 ug/l
 RT: 7.45 min Scan# 702
 Delta R.T. -0.02 min
 Lab File: VF062721.D
 Acq: 23 May 2019 12:38

Tgt Ion: 75 Resp: 281882
 Ion Ratio Lower Upper
 75 100
 77 33.6 25.3 37.9
 39 36.1 28.2 42.2





#55

1,1,2-Trichloroethane

Concen: 20.282 ug/l

RT: 8.64 min Scan# 822

Delta R.T. -0.01 min

Lab File: VF062721.D

Acq: 23 May 2019 12:38

Instrument :

MSVOA_F

ClientSampleId :

Tot Ion: 97 Resp: 117879

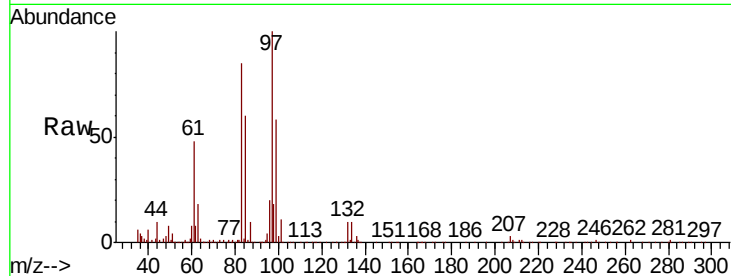
Ion Ratio Lower Upper

97 100

83 85.1 67.3 100.9

85 60.1 46.6 69.8

99 57.9 49.7 74.5

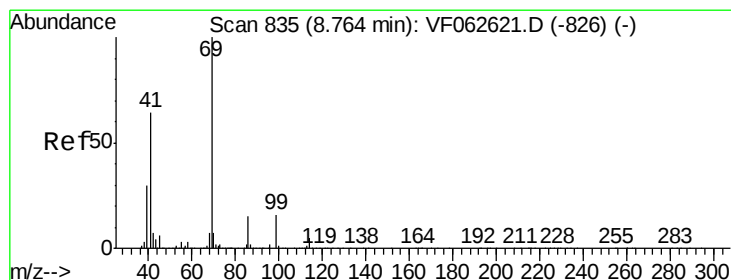
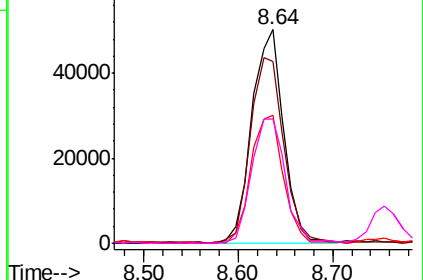
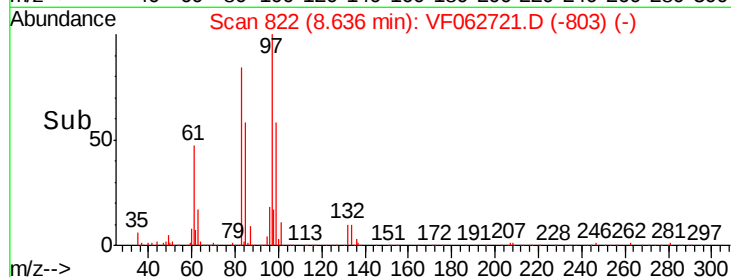


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 17.490 ug/l

RT: 8.75 min Scan# 834

Delta R.T. -0.01 min

Lab File: VF062721.D

Acq: 23 May 2019 12:38

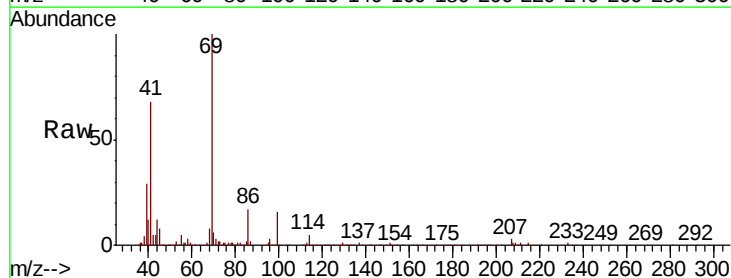
Tgt Ion: 69 Resp: 121110

Ion Ratio Lower Upper

69 100

41 67.9 51.4 77.2

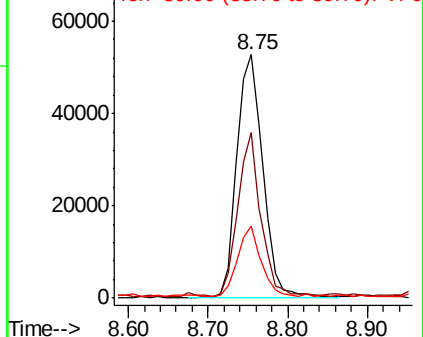
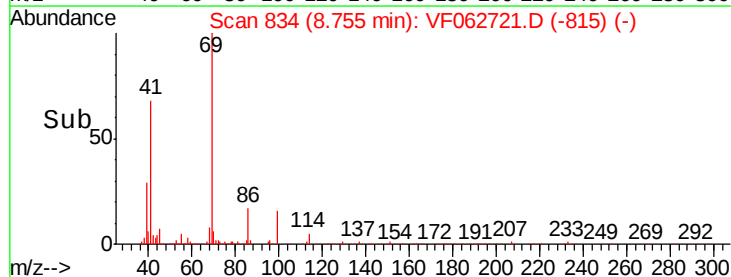
39 29.5 23.6 35.4

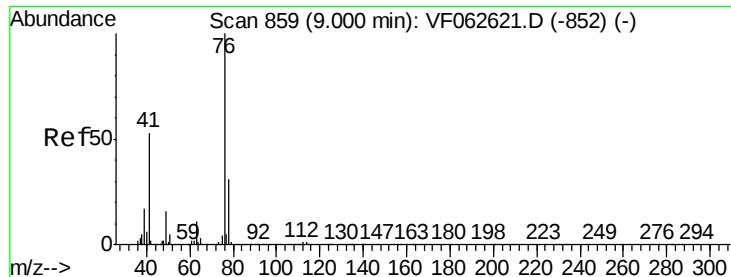


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 19.715 ug/l

RT: 8.99 min Scan# 858

Delta R.T. -0.01 min

Lab File: VF062721.D

Acq: 23 May 2019 12:38

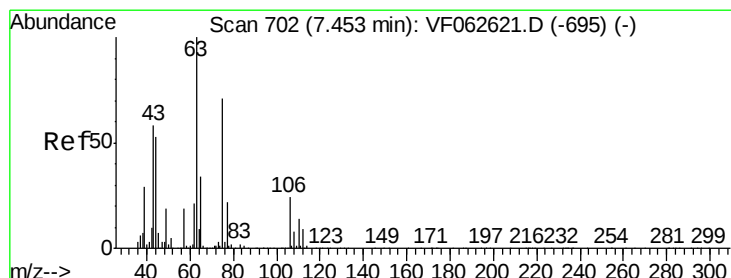
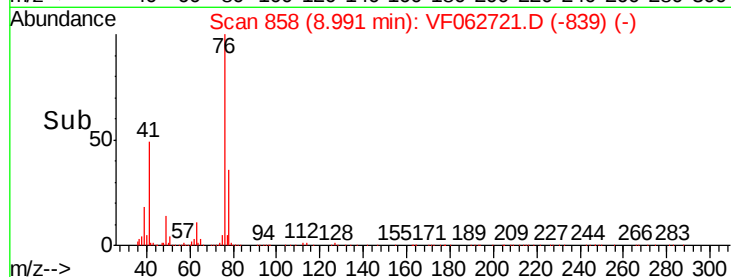
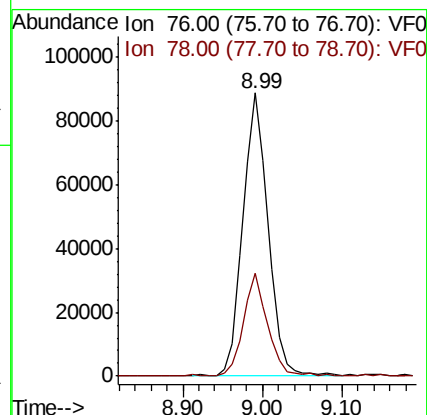
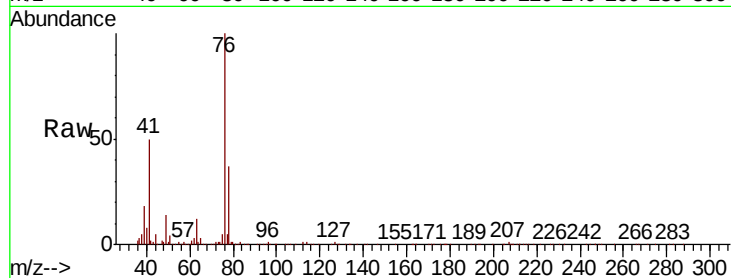
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 76 Resp: 195169

Ion Ratio Lower Upper

76 100

78 36.6 25.4 38.0



#58

2-Chloroethyl Vinyl ether

Concen: 87.981 ug/l

RT: 7.44 min Scan# 701

Delta R.T. -0.01 min

Lab File: VF062721.D

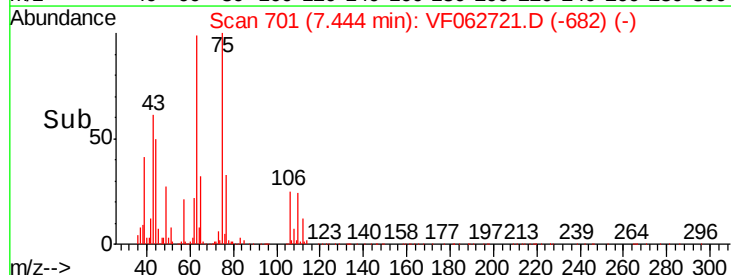
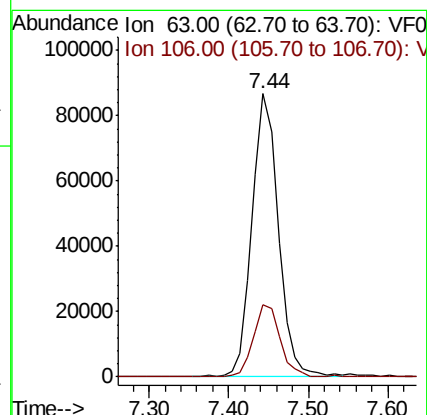
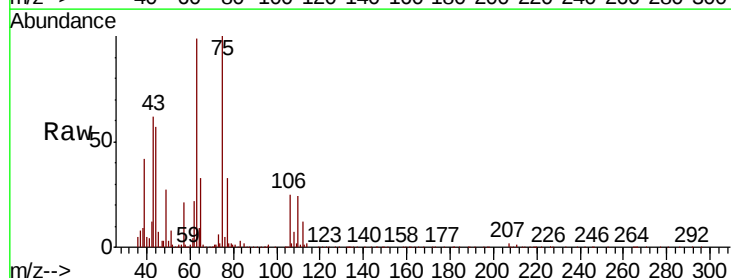
Acq: 23 May 2019 12:38

Tgt Ion: 63 Resp: 198298

Ion Ratio Lower Upper

63 100

106 25.3 19.1 28.7

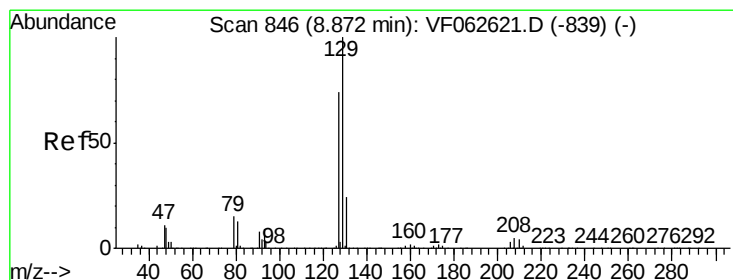
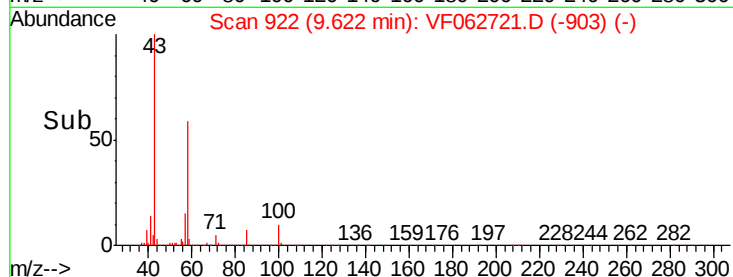
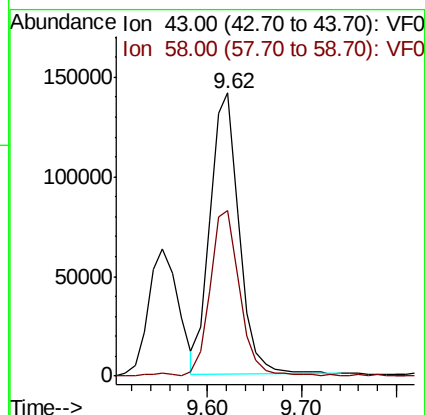
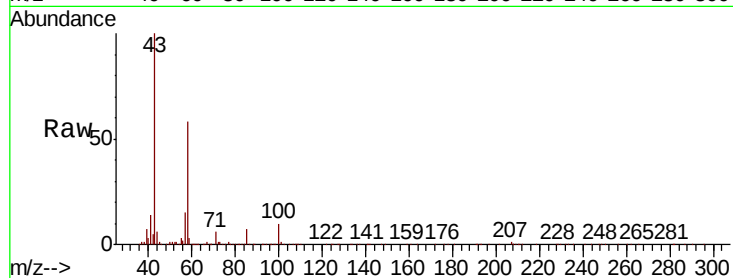




#59
2-Hexanone
Concen: 81.120 ug/l
RT: 9.62 min Scan# 922
Delta R.T. -0.01 min
Lab File: VF062721.D
Acq: 23 May 2019 12:38

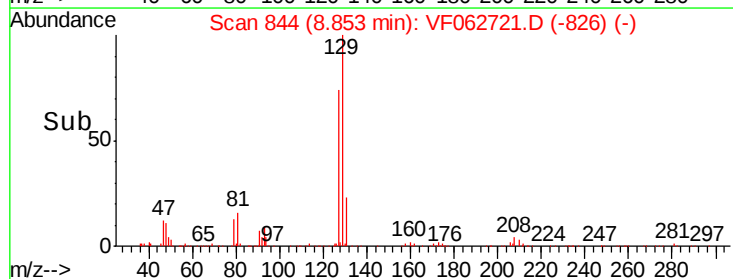
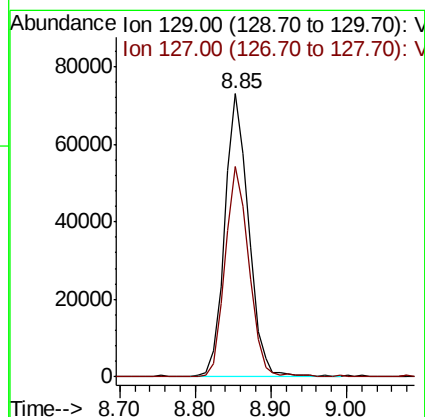
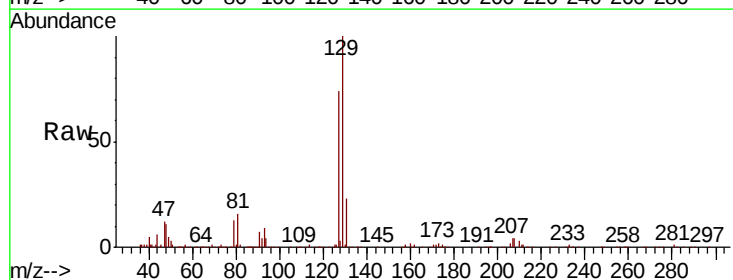
Instrument :
MSVOA_F
ClientSampleId :

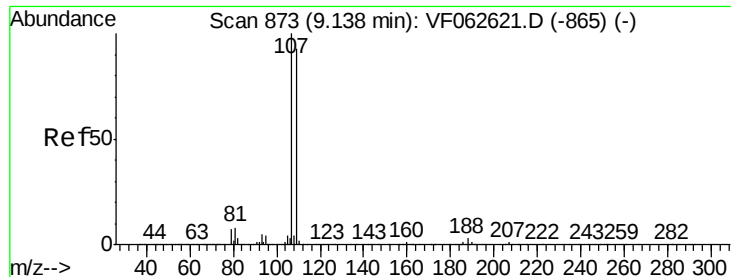
Tot Ion: 43 Resp: 301102
Ion Ratio Lower Upper
43 100
58 58.5 28.1 84.4



#60
Dibromochloromethane
Concen: 21.152 ug/l
RT: 8.85 min Scan# 844
Delta R.T. -0.02 min
Lab File: VF062721.D
Acq: 23 May 2019 12:38

Tgt Ion: 129 Resp: 160227
Ion Ratio Lower Upper
129 100
127 74.3 37.2 111.6





#61

1,2-Dibromoethane

Concen: 21.060 ug/l

RT: 9.13 min Scan# 872

Delta R.T. -0.01 min

Lab File: VF062721.D

Acq: 23 May 2019 12:38

Instrument :

MSVOA_F

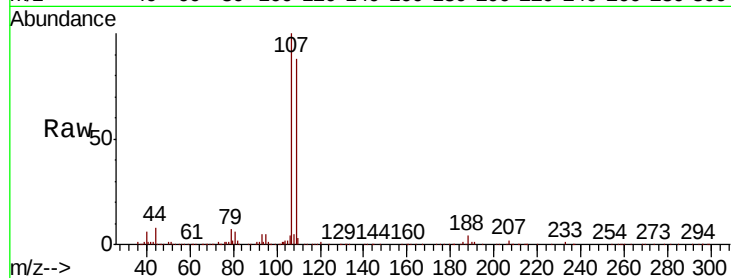
ClientSampleId :

Tot Ion:107 Resp: 130009

Ion Ratio Lower Upper

107 100

109 88.1 74.8 112.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

60000

50000

40000

30000

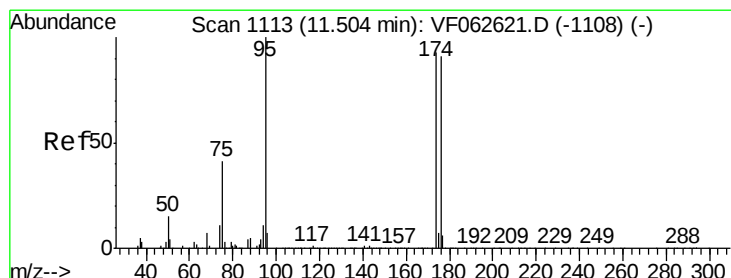
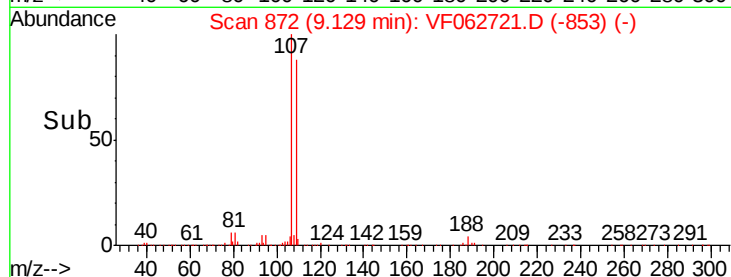
20000

10000

0

9.00 9.10 9.20 9.30

Time-->



#62

4-Bromofluorobenzene

Concen: 40.408 ug/l

RT: 11.49 min Scan# 1111

Delta R.T. -0.02 min

Lab File: VF062721.D

Acq: 23 May 2019 12:38

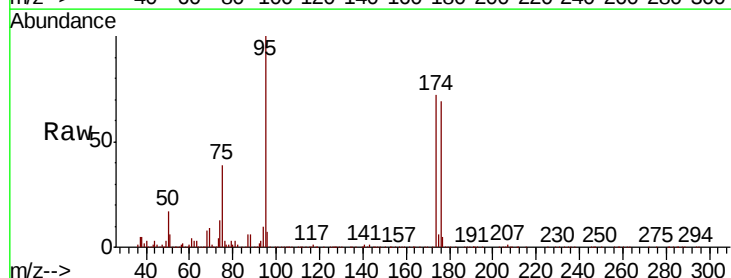
Tgt Ion: 95 Resp: 375422

Ion Ratio Lower Upper

95 100

174 72.3 0.0 185.6

176 68.6 0.0 182.4



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

250000

200000

150000

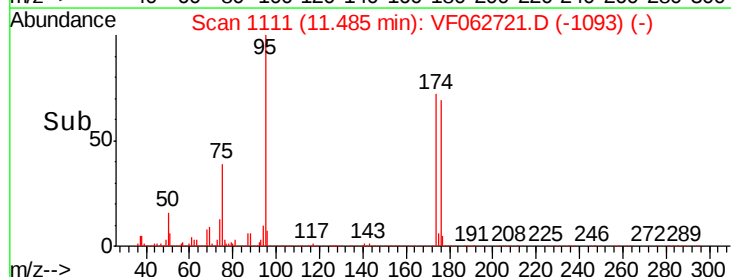
100000

50000

0

11.40 11.50 11.60

Time-->

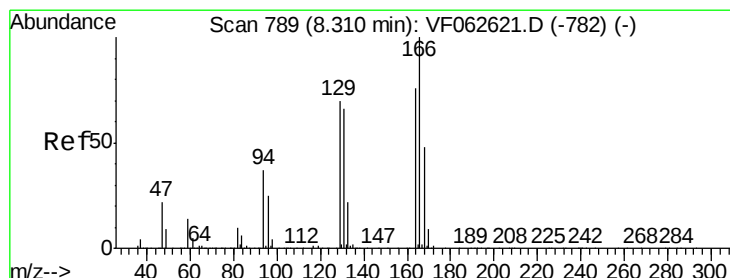
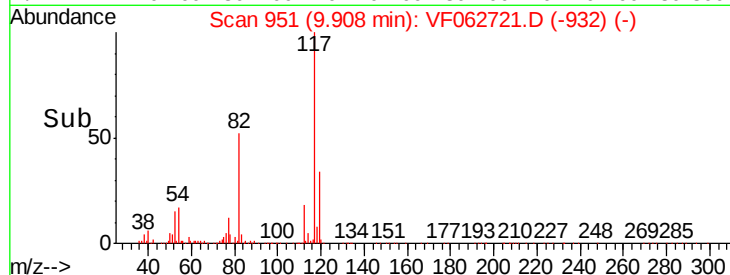
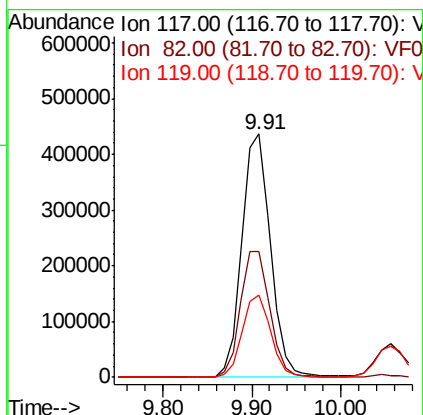
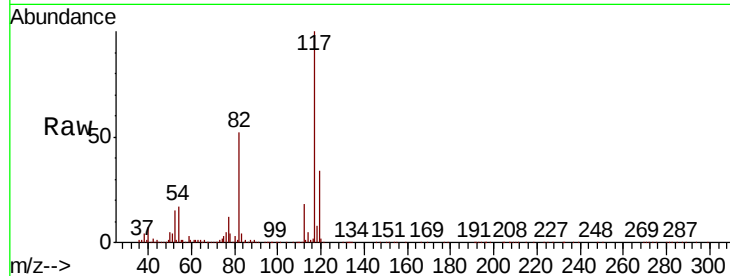




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 951
Delta R.T. -0.01 min
Lab File: VF062721.D
Acq: 23 May 2019 12:38

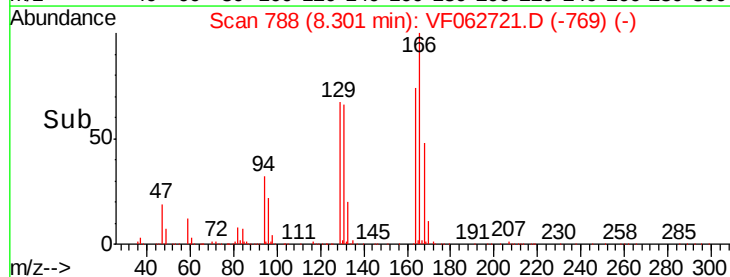
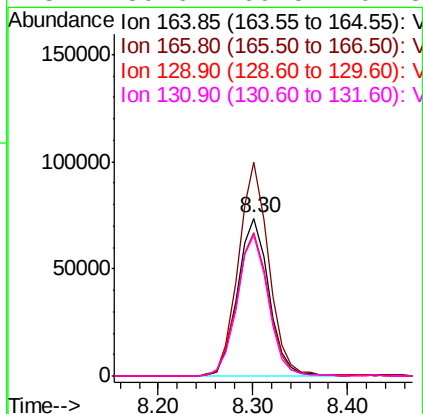
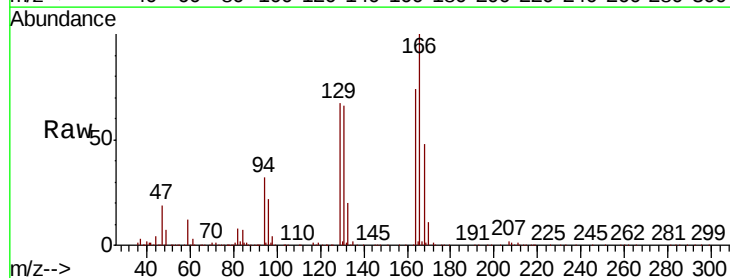
Instrument :
MSVOA_F
ClientSampled :

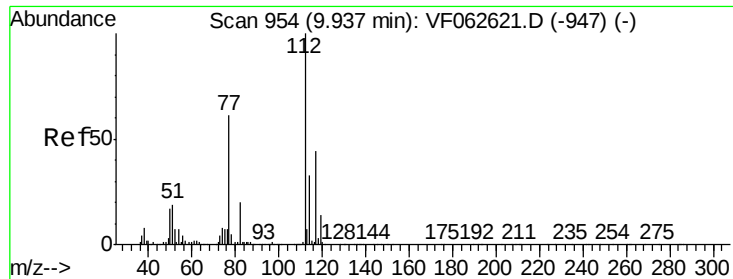
Tot Ion	Ratio	Lower	Upper
117	100		
82	51.5	43.3	64.9
119	34.0	27.4	41.0



#64
Tetrachloroethene
Concen: 21.898 ug/l
RT: 8.30 min Scan# 788
Delta R.T. -0.01 min
Lab File: VF062721.D
Acq: 23 May 2019 12:38

Tgt Ion	Ratio	Lower	Upper
164	100		
166	135.4	105.5	158.3
129	90.8	73.8	110.6
131	89.6	69.5	104.3

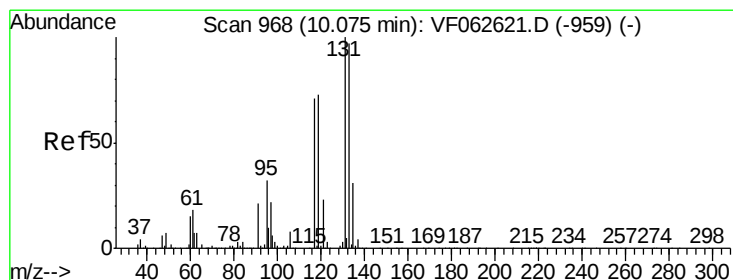
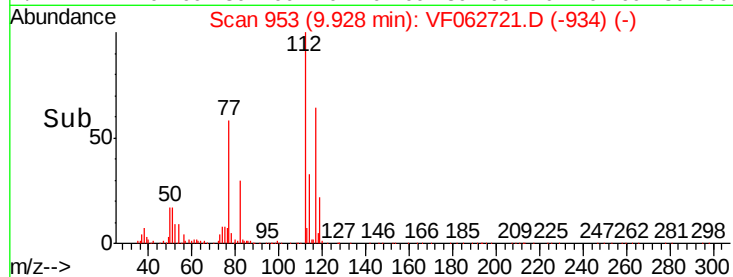
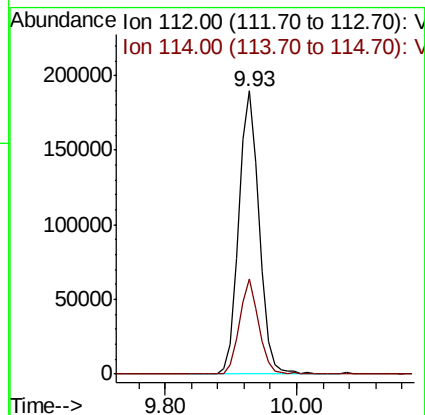
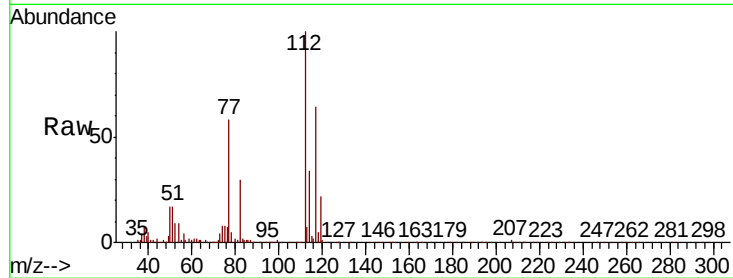




#65
Chlorobenzene
Concen: 21.598 ug/l
RT: 9.93 min Scan# 953
Delta R.T. -0.01 min
Lab File: VF062721.D
Acq: 23 May 2019 12:38

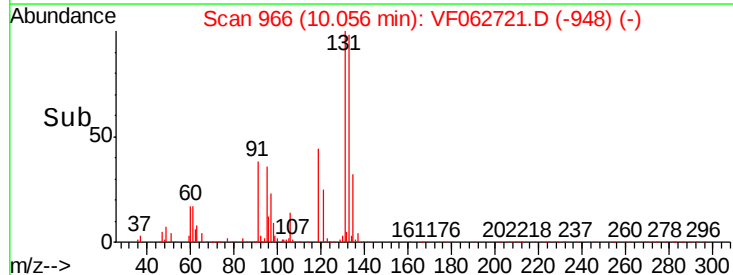
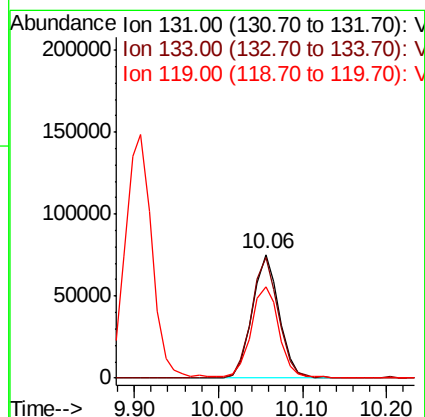
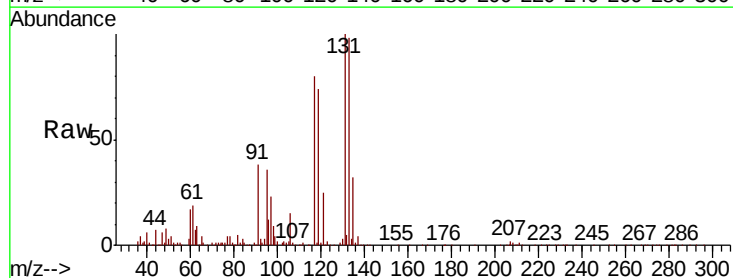
Instrument :
MSVOA_F
ClientSampleId :

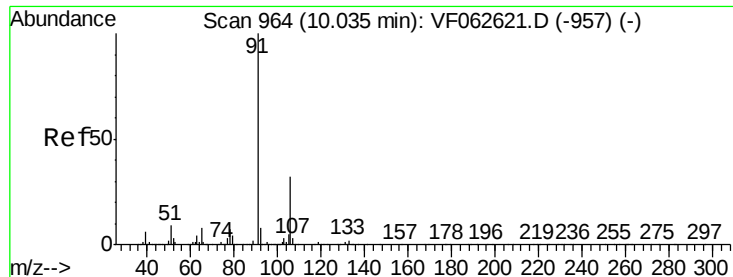
Tot Ion:112 Resp: 413400
Ion Ratio Lower Upper
112 100
114 33.5 26.8 40.2



#66
1,1,1,2-Tetrachloroethane
Concen: 21.970 ug/l
RT: 10.06 min Scan# 966
Delta R.T. -0.02 min
Lab File: VF062721.D
Acq: 23 May 2019 12:38

Tgt Ion:131 Resp: 168811
Ion Ratio Lower Upper
131 100
133 98.1 48.5 145.5
119 74.0 36.8 110.4

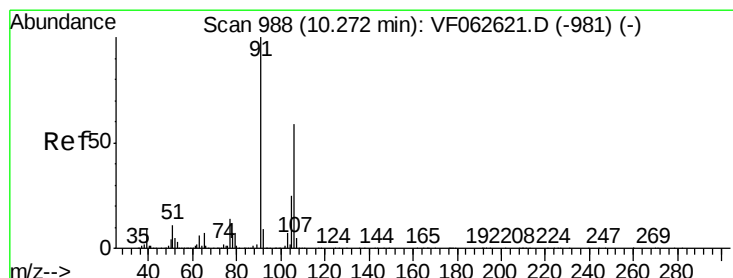
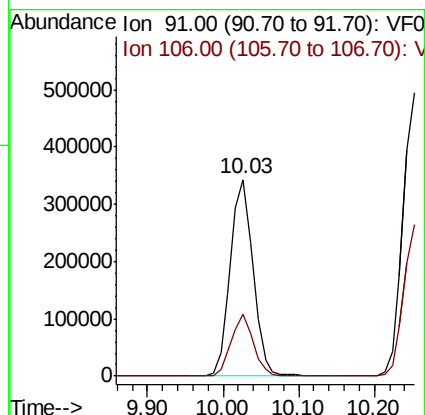
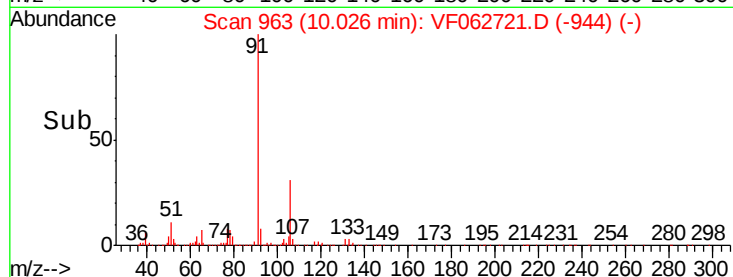
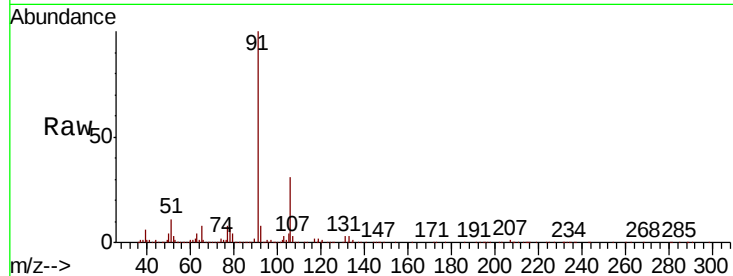




#67
Ethyl Benzene
Concen: 21.504 ug/l
RT: 10.03 min Scan# 963
Delta R.T. -0.01 min
Lab File: VF062721.D
Acq: 23 May 2019 12:38

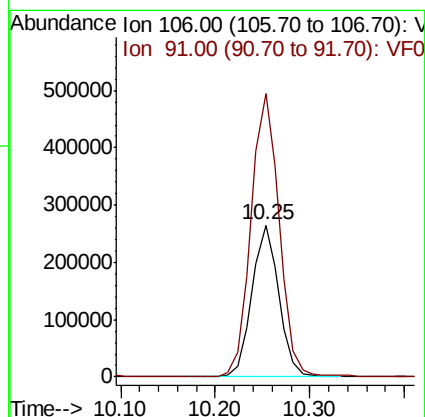
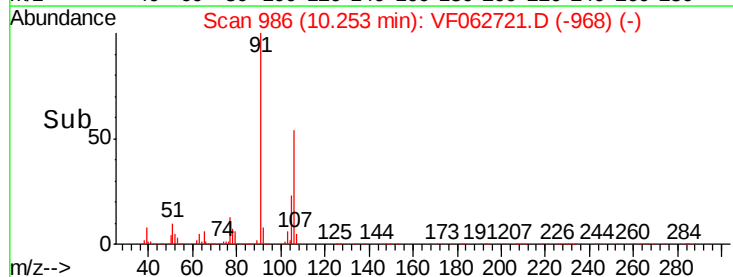
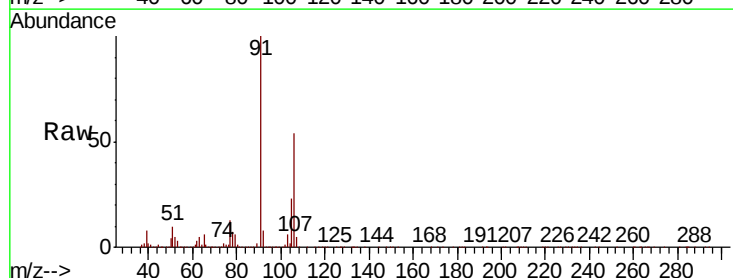
Instrument :
MSVOA_F
ClientSampleId :

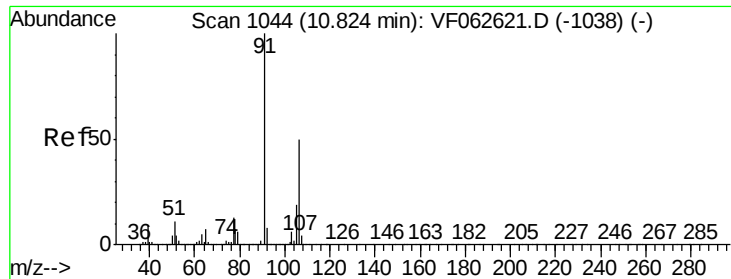
Tot Ion: 91 Resp: 715022
Ion Ratio Lower Upper
91 100
106 31.1 25.8 38.8



#68
m/p-Xylenes
Concen: 42.010 ug/l
RT: 10.25 min Scan# 986
Delta R.T. -0.02 min
Lab File: VF062721.D
Acq: 23 May 2019 12:38

Tgt Ion: 106 Resp: 525002
Ion Ratio Lower Upper
106 100
91 186.3 136.9 205.3

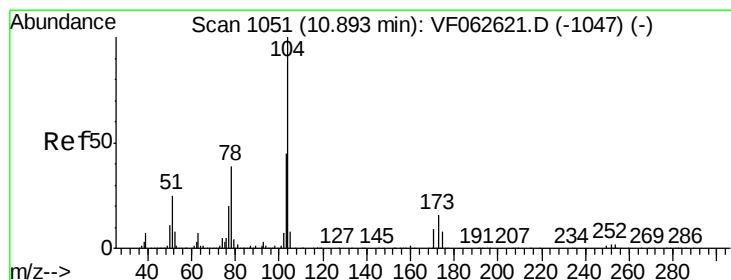
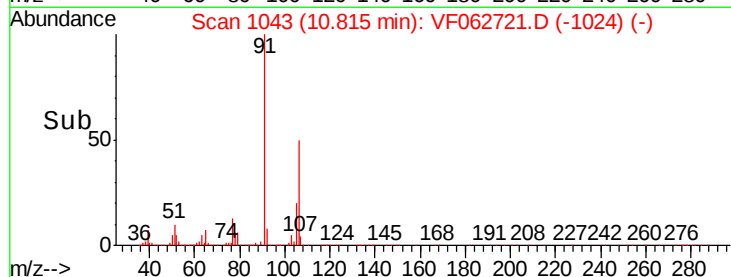
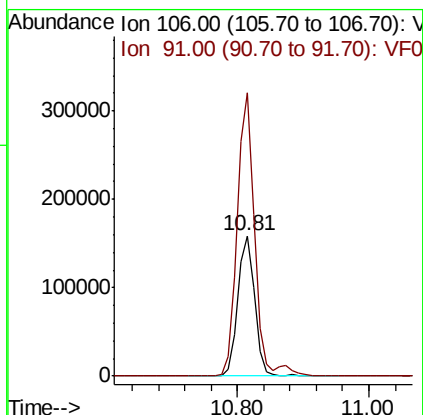
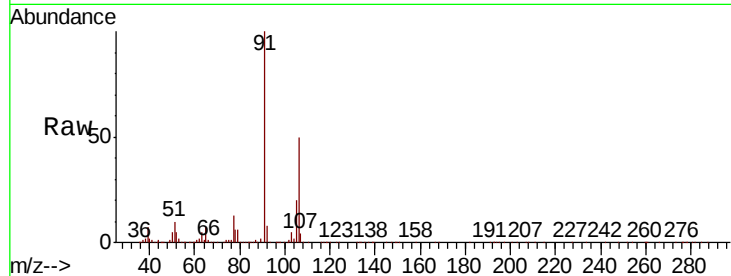




#69
o-Xylene
Concen: 22.489 ug/l
RT: 10.81 min Scan# 1043
Delta R.T. -0.01 min
Lab File: VF062721.D
Acq: 23 May 2019 12:38

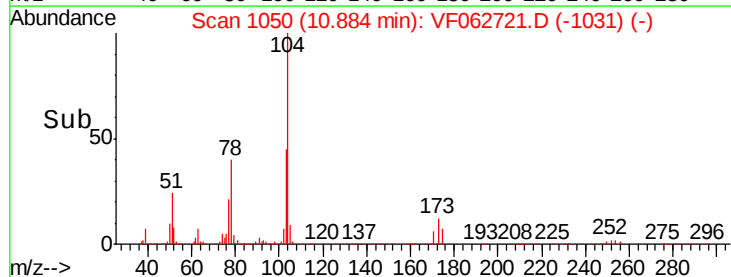
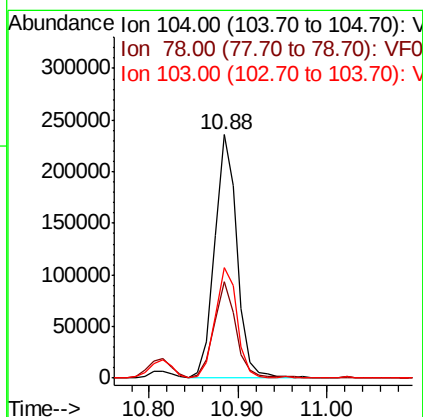
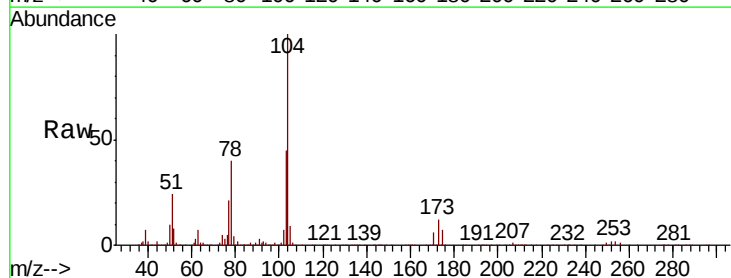
Instrument :
MSVOA_F
ClientSampleId :

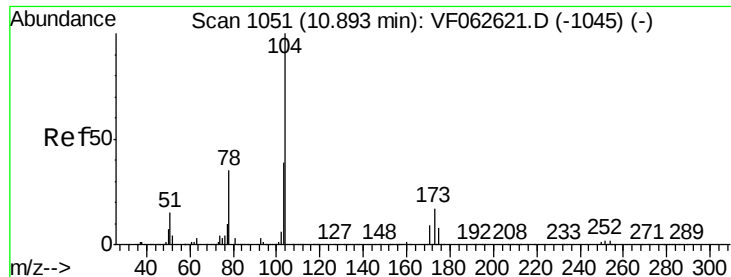
Tot Ion:106 Resp: 289484
Ion Ratio Lower Upper
106 100
91 201.3 100.2 300.5



#70
Styrene
Concen: 21.037 ug/l
RT: 10.88 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VF062721.D
Acq: 23 May 2019 12:38

Tgt Ion:104 Resp: 411590
Ion Ratio Lower Upper
104 100
78 39.6 31.9 47.9
103 45.2 36.1 54.1





#71

Bromoform

Concen: 20.539 ug/l

RT: 10.87 min Scan# 1049

Delta R.T. -0.02 min

Lab File: VF062721.D

Acq: 23 May 2019 12:38

Instrument :

MSVOA_F

ClientSampleId :

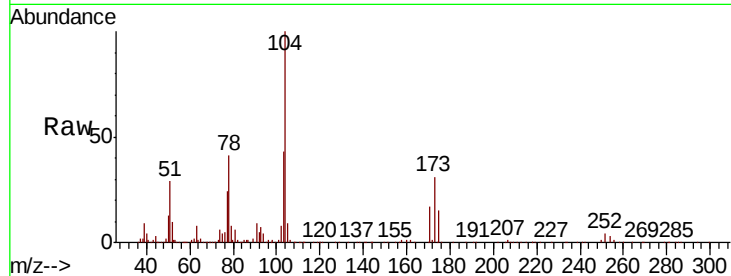
Tot Ion:173 Resp: 79041

Ion Ratio Lower Upper

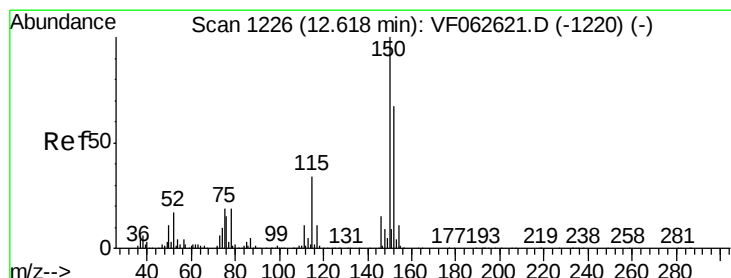
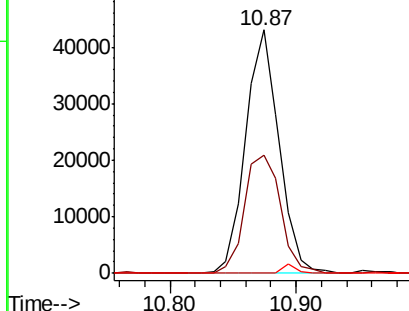
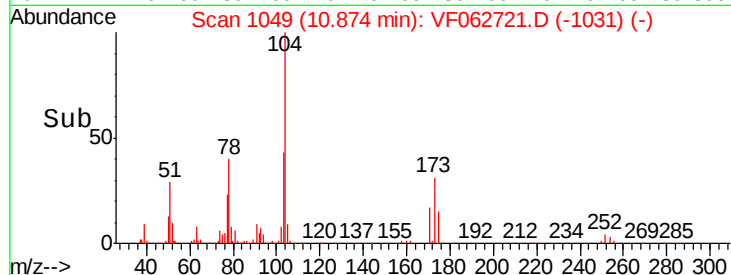
173 100

175 49.8 25.3 75.9

254 0.0 0.2 0.2#



Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.61 min Scan# 1225

Delta R.T. -0.01 min

Lab File: VF062721.D

Acq: 23 May 2019 12:38

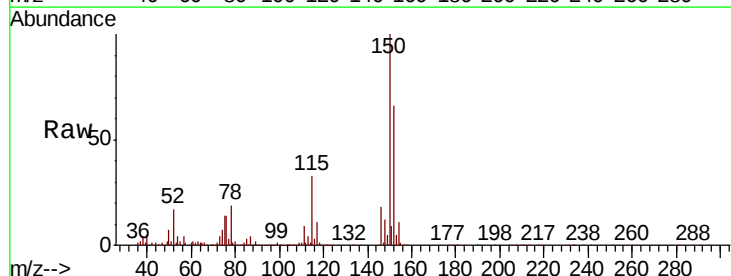
Tgt Ion:152 Resp: 464533

Ion Ratio Lower Upper

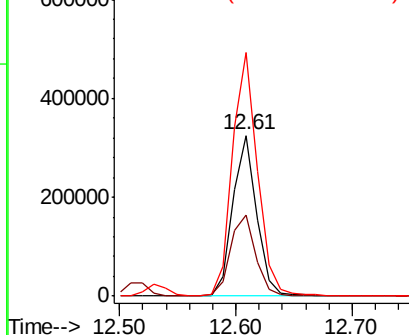
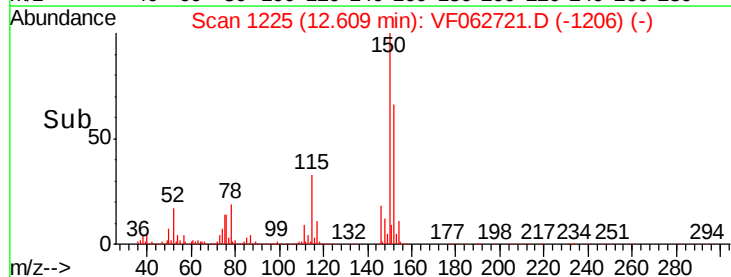
152 100

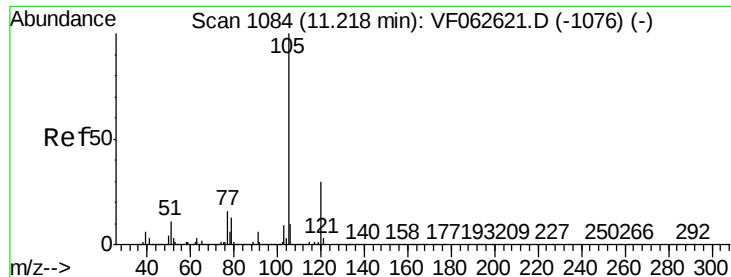
115 50.1 25.2 75.6

150 151.4 0.0 306.2



Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 22.857 ug/l

RT: 11.21 min Scan# 1083

Delta R.T. -0.01 min

Lab File: VF062721.D

Acq: 23 May 2019 12:38

Instrument :

MSVOA_F

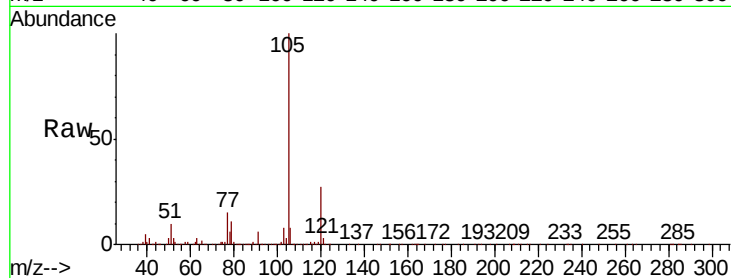
ClientSampleId :

Tot Ion:105 Resp: 761007

Ion Ratio Lower Upper

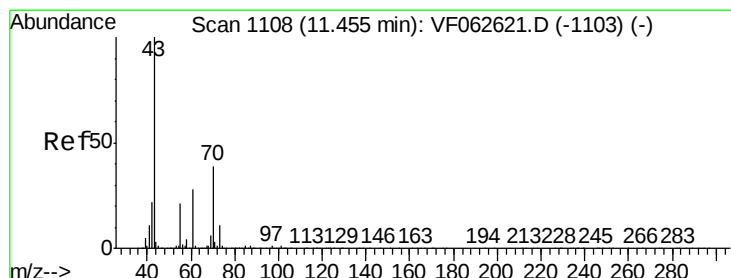
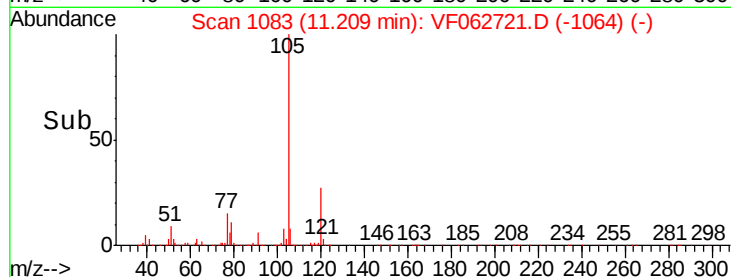
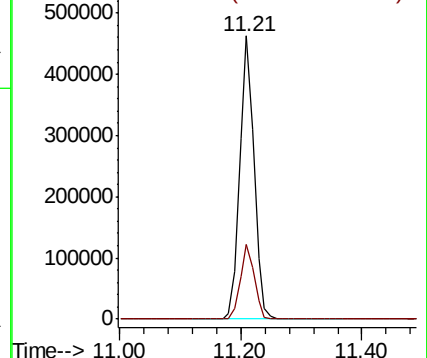
105 100

120 26.6 14.8 44.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.144 ug/l

RT: 11.45 min Scan# 1107

Delta R.T. -0.01 min

Lab File: VF062721.D

Acq: 23 May 2019 12:38

Tgt Ion: 43 Resp: 190385

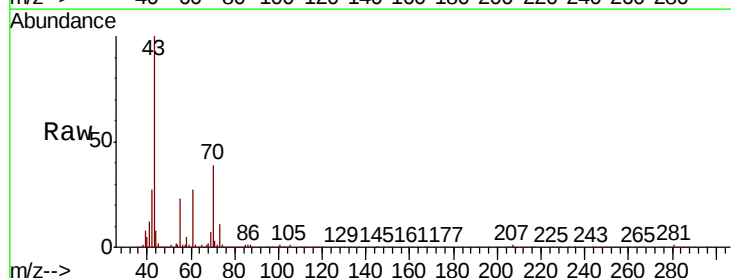
Ion Ratio Lower Upper

43 100

70 39.1 30.9 46.3

55 23.1 17.0 25.4

61 27.4 22.6 34.0

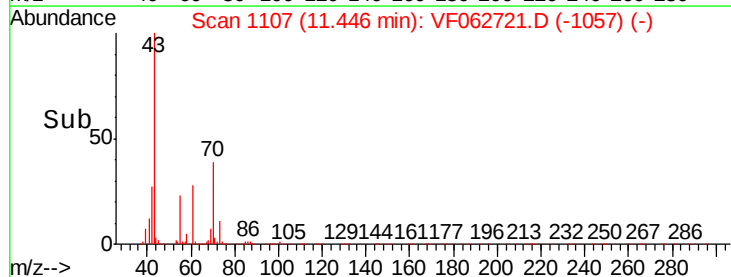
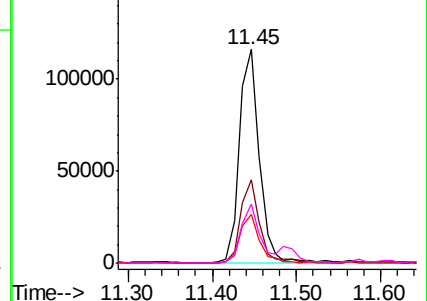


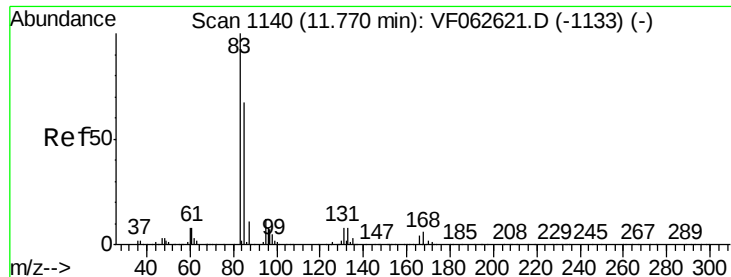
Abundance Ion 43.00 (42.70 to 43.70): VF0

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





#75

1,1,2,2-Tetrachloroethane

Concen: 21.743 ug/l

RT: 11.76 min Scan# 1139

Delta R.T. -0.01 min

Lab File: VF062721.D

Acq: 23 May 2019 12:38

Instrument :

MSVOA_F

ClientSampleId :

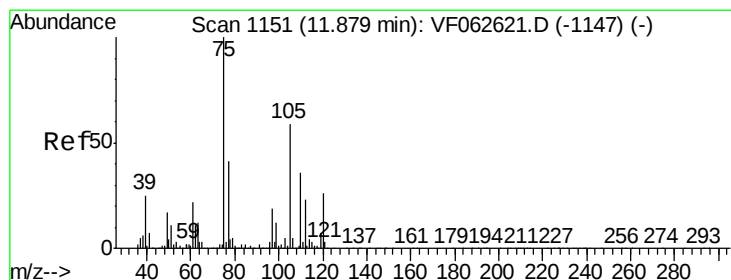
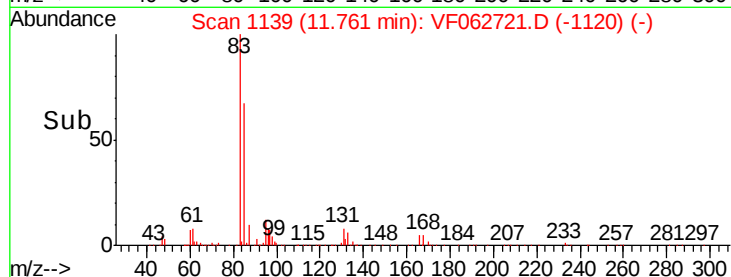
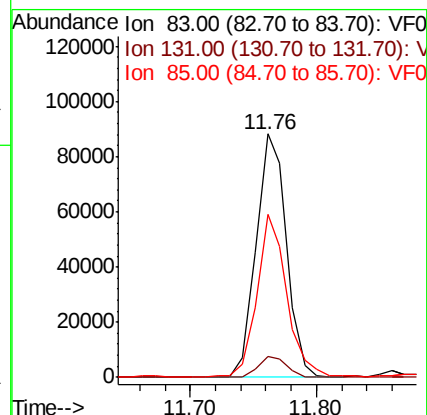
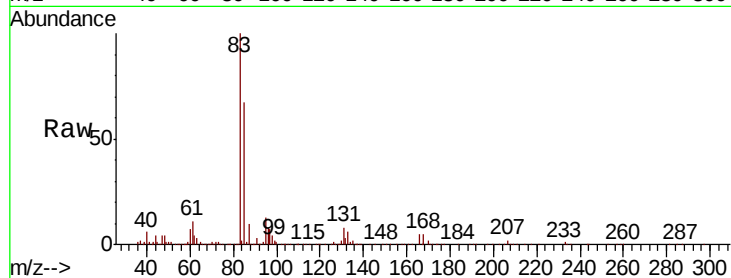
Tot Ion: 83 Resp: 147938

Ion Ratio Lower Upper

83 100

131 8.3 4.0 12.0

85 67.1 33.5 100.5



#76

1,2,3-Trichloropropane

Concen: 19.571 ug/l

RT: 11.86 min Scan# 1149

Delta R.T. -0.02 min

Lab File: VF062721.D

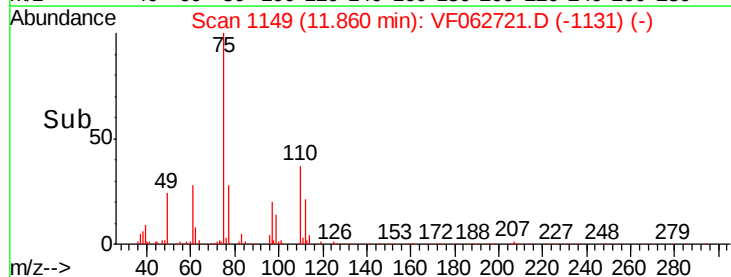
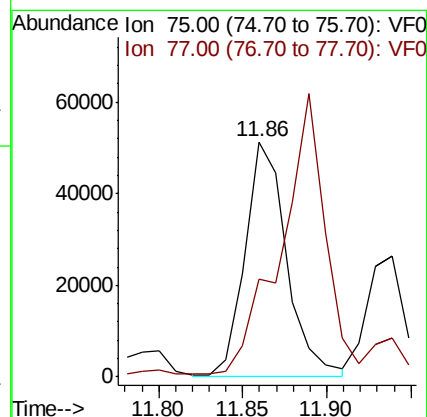
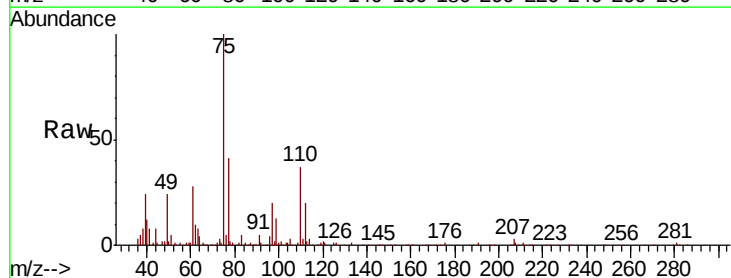
Acq: 23 May 2019 12:38

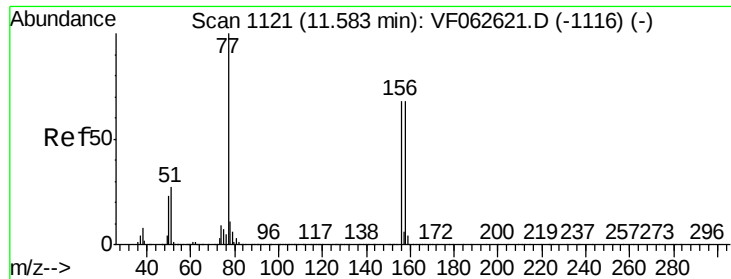
Tgt Ion: 75 Resp: 87498

Ion Ratio Lower Upper

75 100

77 41.3 20.6 61.8





#77

Bromobenzene

Concen: 21.284 ug/l

RT: 11.57 min Scan# 1120

Delta R.T. -0.01 min

Lab File: VF062721.D

Acq: 23 May 2019 12:38

Instrument :

MSVOA_F

ClientSampleId :

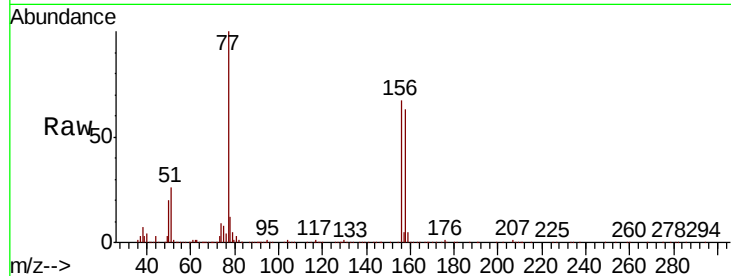
Tot Ion:156 Resp: 176144

Ion Ratio Lower Upper

156 100

77 148.7 73.6 220.8

158 94.2 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

200000

150000

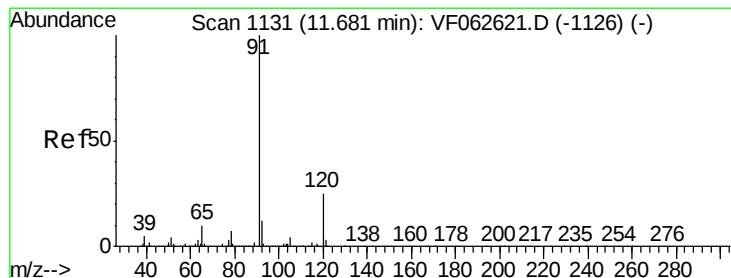
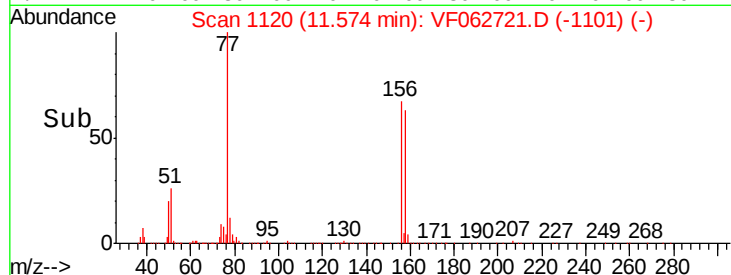
100000

50000

0

11.50 11.57 11.60 11.70 11.80

Time-->



#78

n-propylbenzene

Concen: 21.628 ug/l

RT: 11.66 min Scan# 1129

Delta R.T. -0.02 min

Lab File: VF062721.D

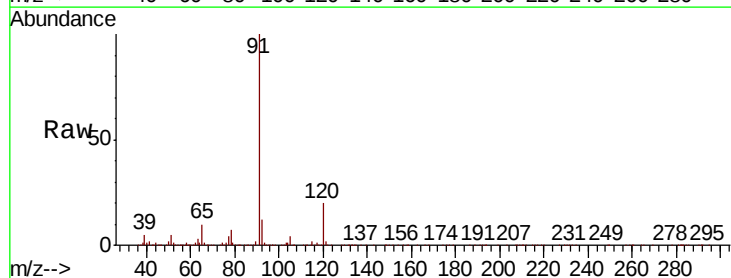
Acq: 23 May 2019 12:38

Tgt Ion: 91 Resp: 852194

Ion Ratio Lower Upper

91 100

120 20.3 12.7 38.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

600000

500000

400000

300000

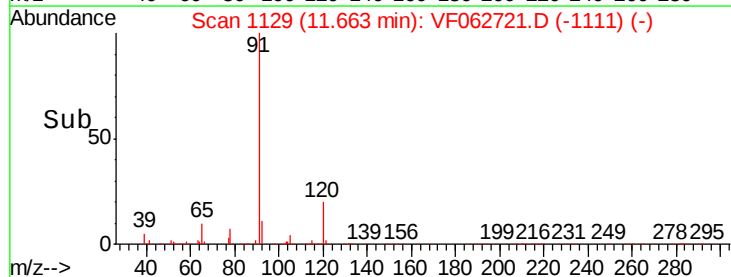
200000

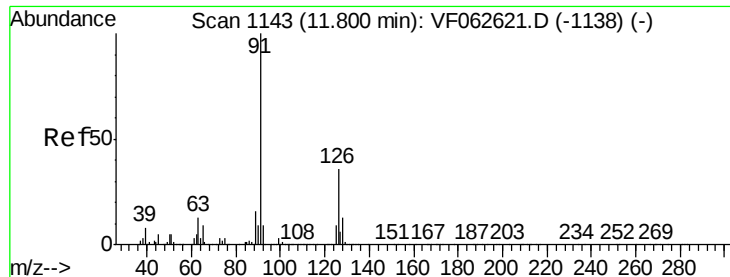
100000

0

11.60 11.65 11.70 11.75

Time-->





#79

2-Chlorotoluene

Concen: 21.662 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. -0.01 min

Lab File: VF062721.D

Acq: 23 May 2019 12:38

Instrument :

MSVOA_F

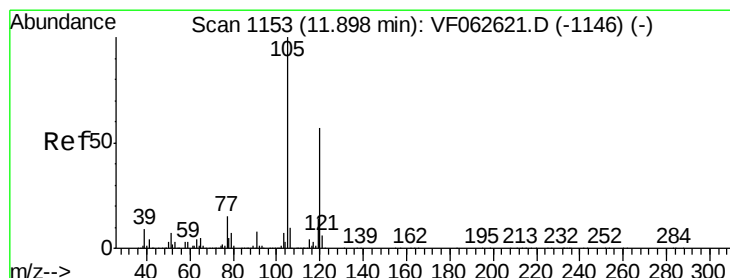
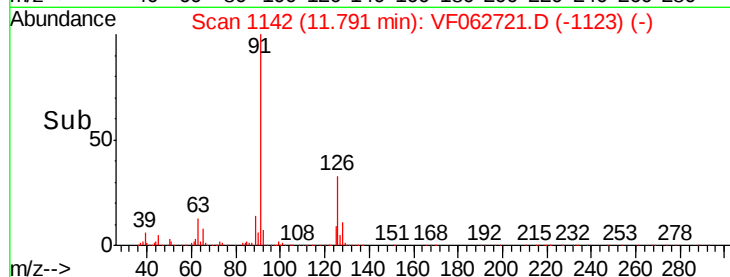
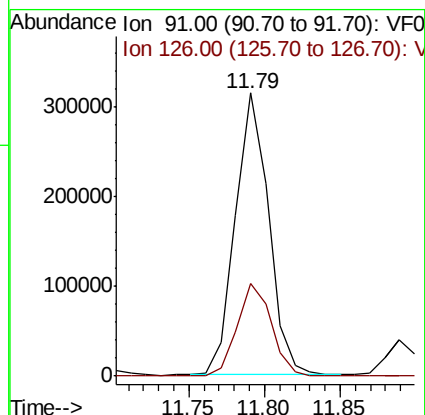
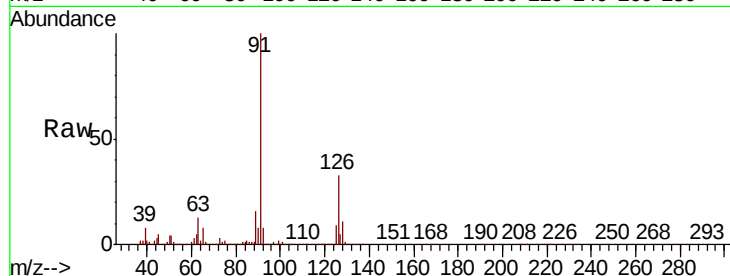
ClientSampleId :

Tot Ion: 91 Resp: 481013

Ion Ratio Lower Upper

91 100

126 32.7 18.1 54.4



#80

1,3,5-Trimethylbenzene

Concen: 22.107 ug/l

RT: 11.89 min Scan# 1152

Delta R.T. -0.01 min

Lab File: VF062721.D

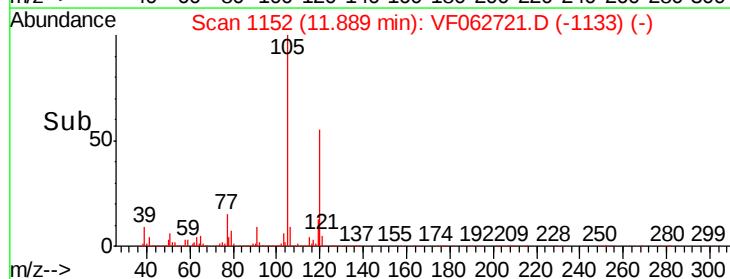
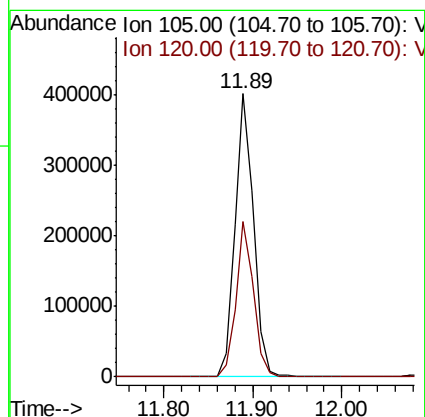
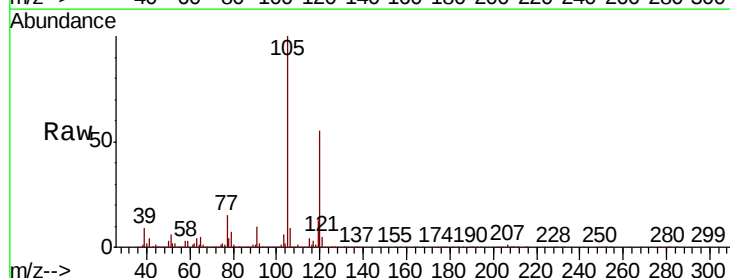
Acq: 23 May 2019 12:38

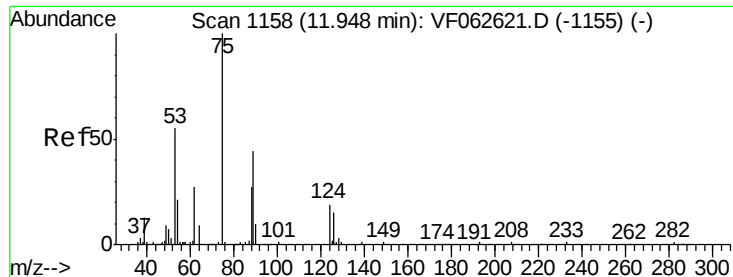
Tgt Ion:105 Resp: 590182

Ion Ratio Lower Upper

105 100

120 55.1 28.7 86.3





#81

trans-1,4-Dichloro-2-butene

Concen: 27.479 ug/l

RT: 11.94 min Scan# 1157

Delta R.T. -0.01 min

Lab File: VF062721.D

Acq: 23 May 2019 12:38

Instrument :

MSVOA_F

ClientSampleId :

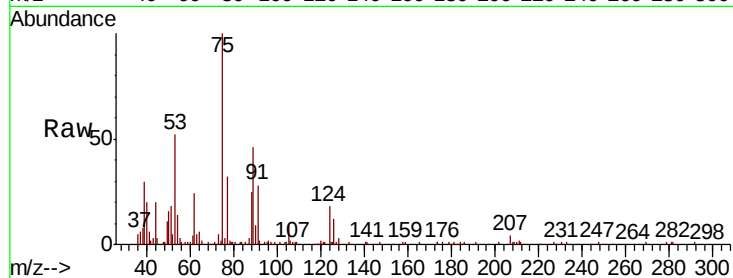
Tot Ion: 75 Resp: 54608

Ion Ratio Lower Upper

75 100

53 52.3 46.9 70.3

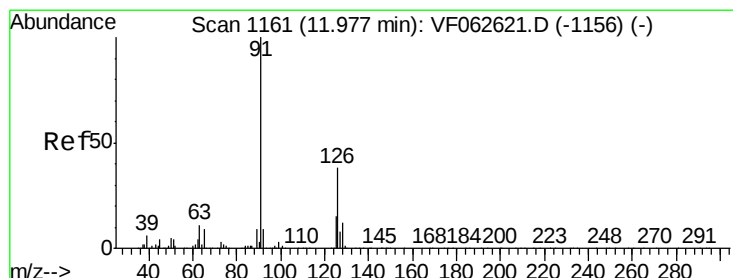
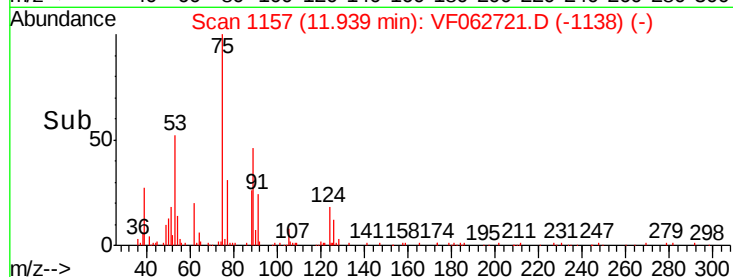
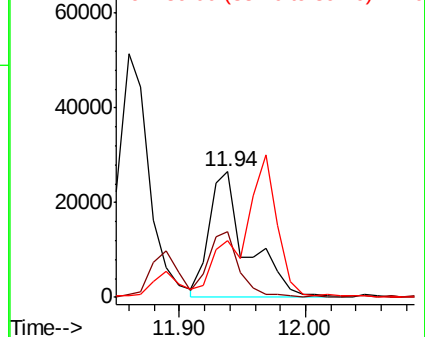
89 45.5 36.4 54.6



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0



#82

4-Chlorotoluene

Concen: 21.295 ug/l

RT: 11.97 min Scan# 1160

Delta R.T. -0.01 min

Lab File: VF062721.D

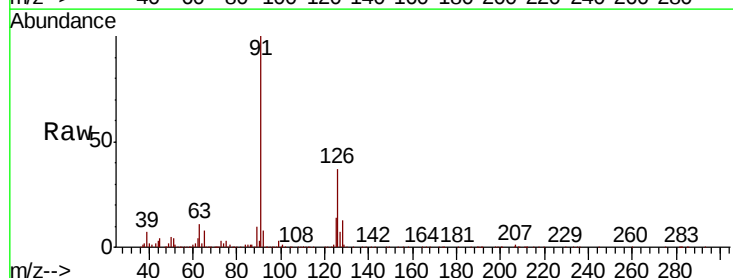
Acq: 23 May 2019 12:38

Tgt Ion: 91 Resp: 466305

Ion Ratio Lower Upper

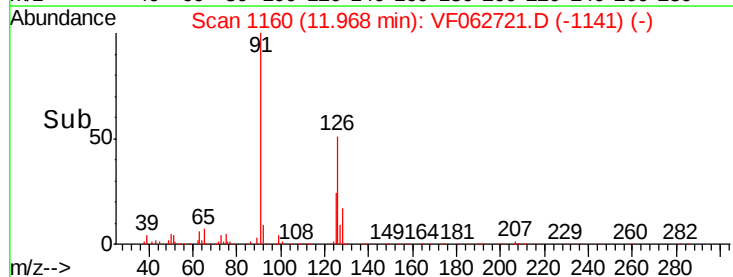
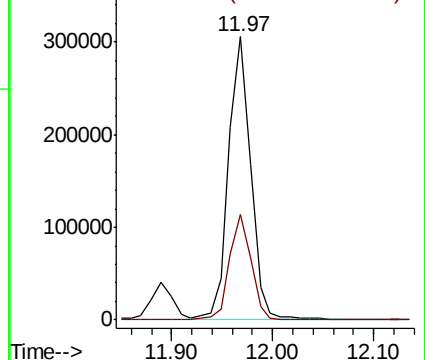
91 100

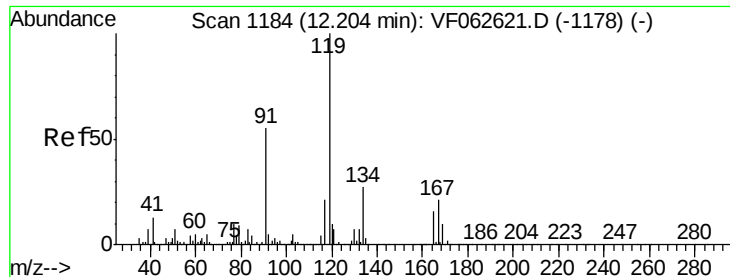
126 37.0 19.1 57.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V





#83

tert-Butylbenzene

Concen: 22.389 ug/l

RT: 12.19 min Scan# 1183

Delta R.T. -0.01 min

Lab File: VF062721.D

Acq: 23 May 2019 12:38

Instrument :

MSVOA_F

ClientSampleId :

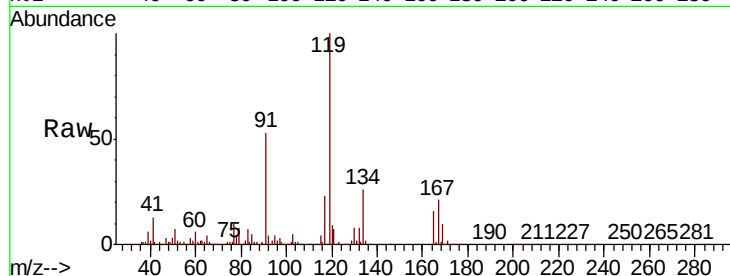
Tot Ion:119 Resp: 606408

Ion Ratio Lower Upper

119 100

91 53.1 27.3 81.9

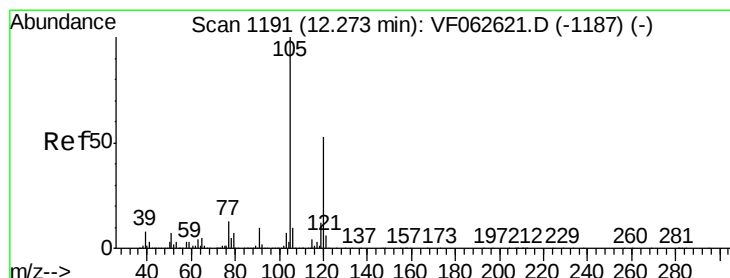
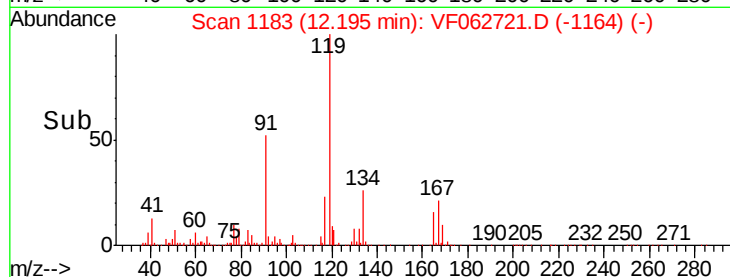
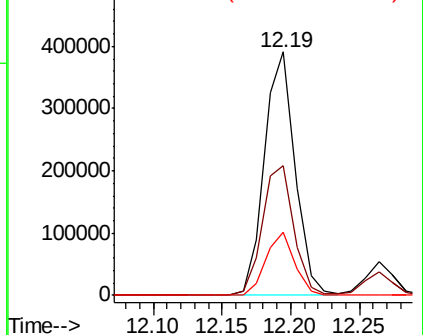
134 26.0 13.6 40.7



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: 22.108 ug/l

RT: 12.26 min Scan# 1190

Delta R.T. -0.01 min

Lab File: VF062721.D

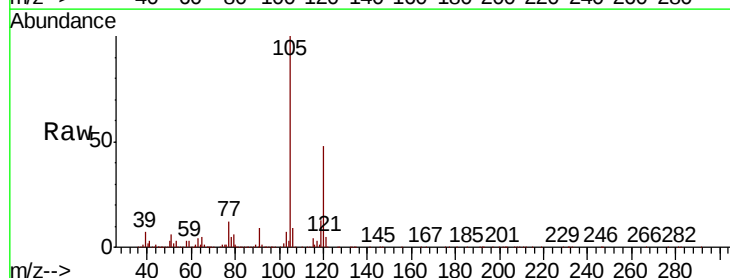
Acq: 23 May 2019 12:38

Tgt Ion:105 Resp: 571253

Ion Ratio Lower Upper

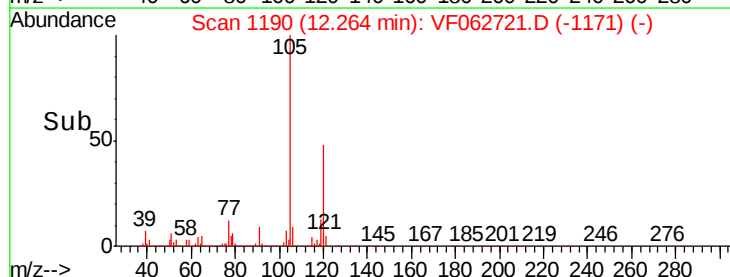
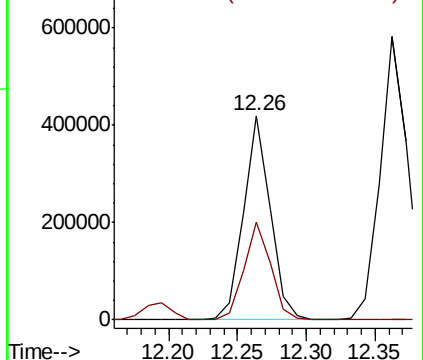
105 100

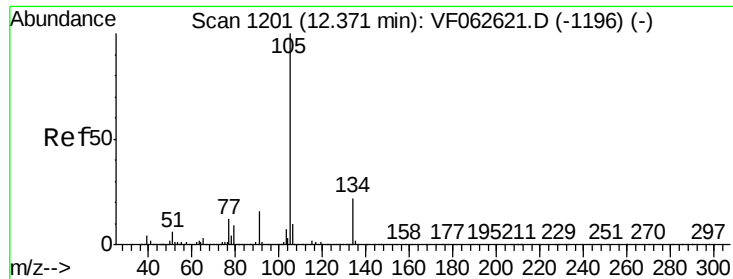
120 47.9 26.7 80.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 22.430 ug/l

RT: 12.36 min Scan# 1200

Delta R.T. -0.01 min

Lab File: VF062721.D

Acq: 23 May 2019 12:38

Instrument :

MSVOA_F

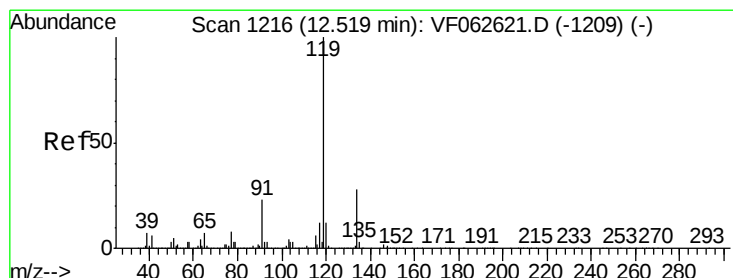
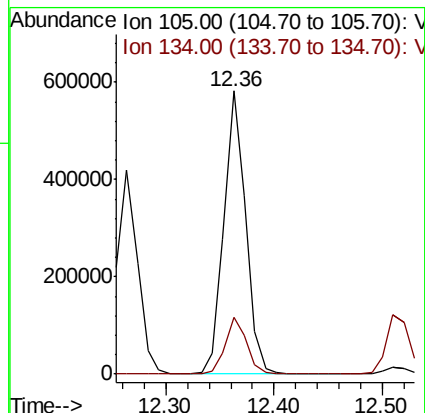
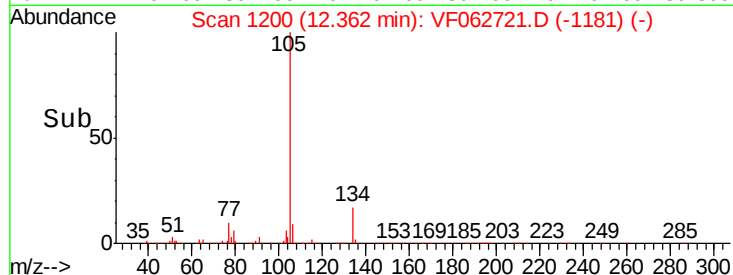
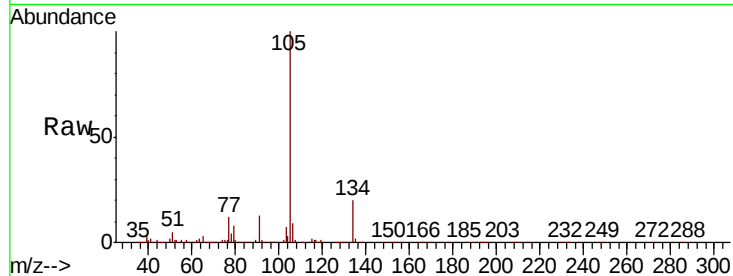
ClientSampleId :

Tot Ion:105 Resp: 815313

Ion Ratio Lower Upper

105 100

134 20.0 10.8 32.4



#86

p-Isopropyltoluene

Concen: 22.412 ug/l

RT: 12.51 min Scan# 1215

Delta R.T. -0.01 min

Lab File: VF062721.D

Acq: 23 May 2019 12:38

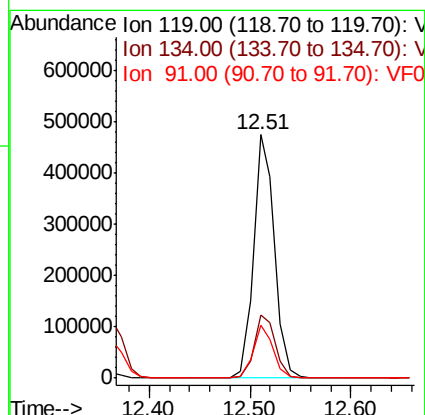
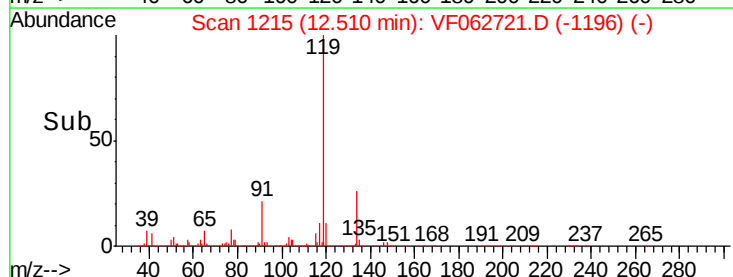
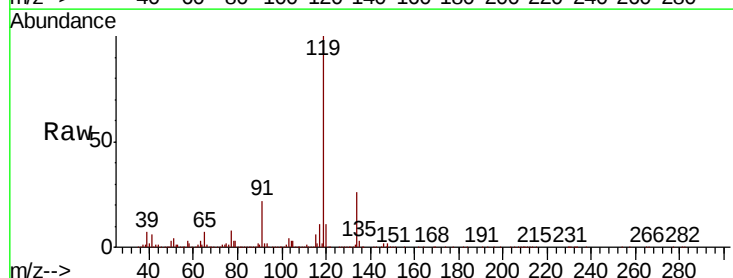
Tgt Ion:119 Resp: 686528

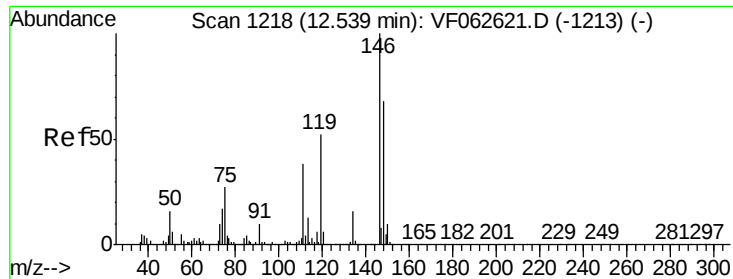
Ion Ratio Lower Upper

119 100

134 25.8 14.1 42.3

91 21.5 11.4 34.2

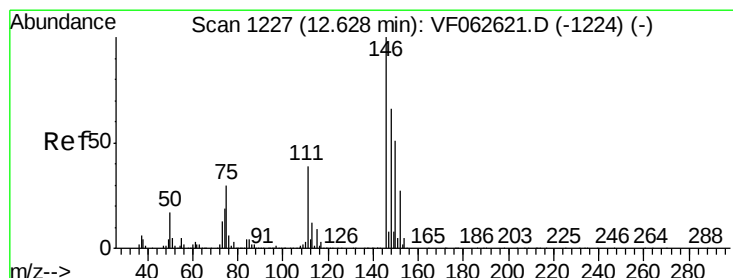
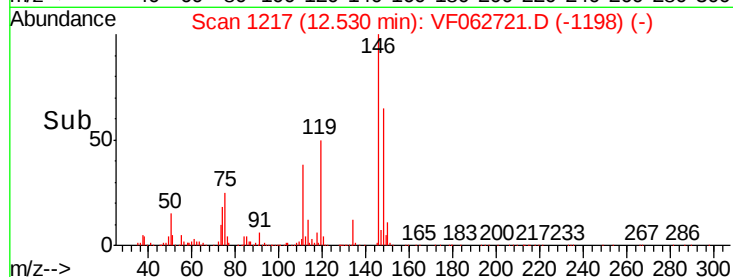
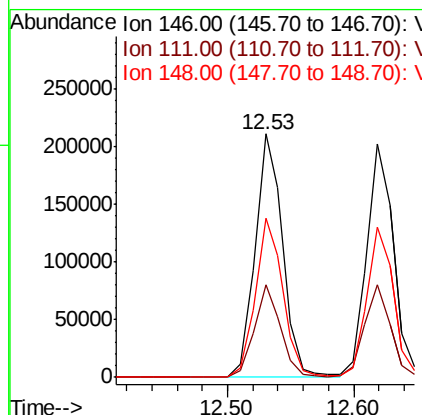
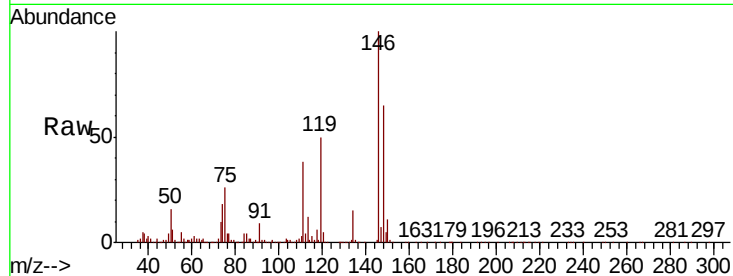




#87
 1,3-Dichlorobenzene
 Concen: 21.433 ug/l
 RT: 12.53 min Scan# 1217
 Delta R.T. -0.01 min
 Lab File: VF062721.D
 Acq: 23 May 2019 12:38

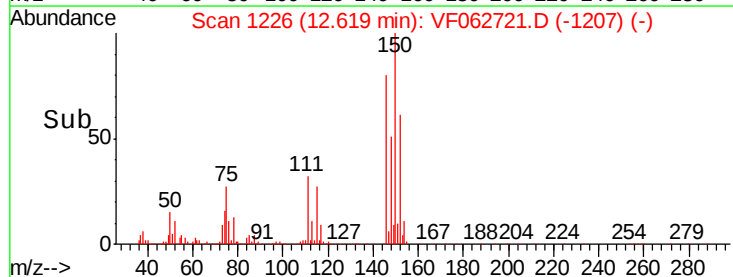
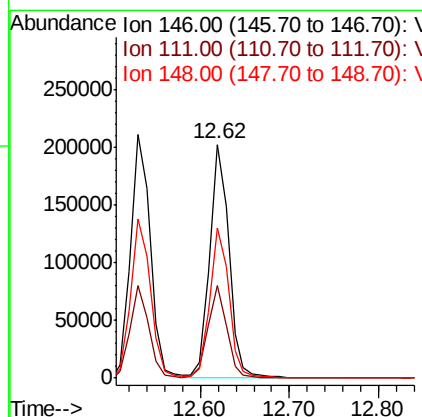
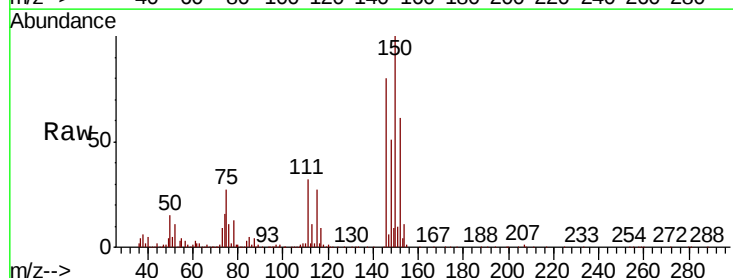
Instrument :
 MSVOA_F
 ClientSampleId :

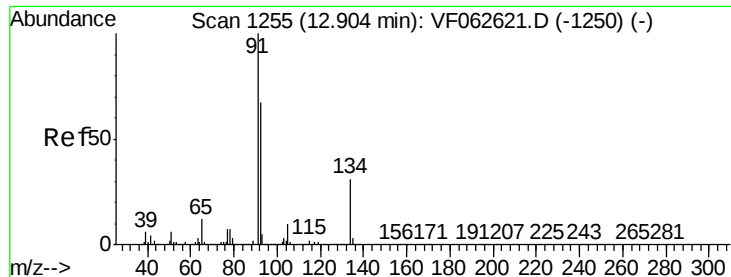
Tot Ion:146 Resp: 320912
 Ion Ratio Lower Upper
 146 100
 111 38.0 18.9 56.9
 148 65.3 34.0 101.8



#88
 1,4-Dichlorobenzene
 Concen: 21.557 ug/l
 RT: 12.62 min Scan# 1226
 Delta R.T. -0.01 min
 Lab File: VF062721.D
 Acq: 23 May 2019 12:38

Tgt Ion:146 Resp: 302894
 Ion Ratio Lower Upper
 146 100
 111 39.7 19.4 58.2
 148 64.1 33.2 99.6

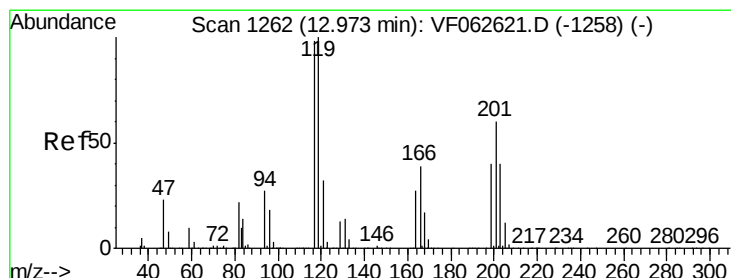
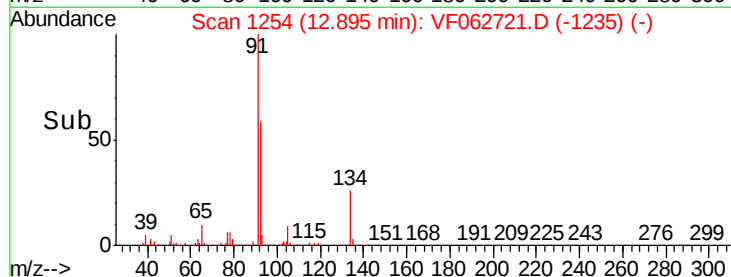
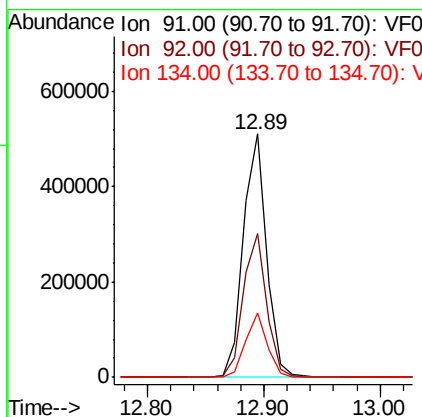
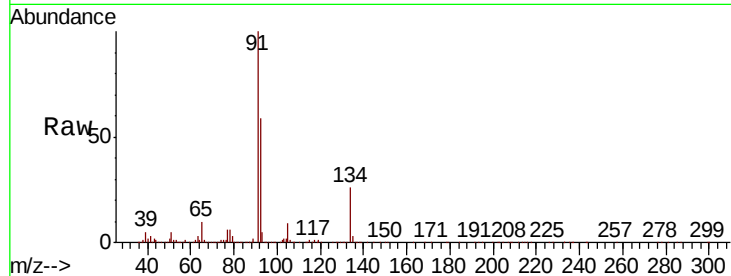




#89
n-Butylbenzene
Concen: 23.282 ug/l
RT: 12.89 min Scan# 1254
Delta R.T. -0.01 min
Lab File: VF062721.D
Acq: 23 May 2019 12:38

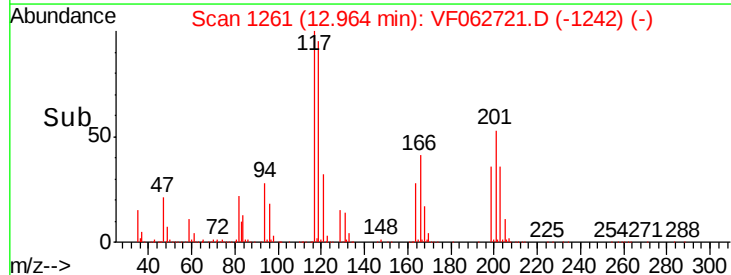
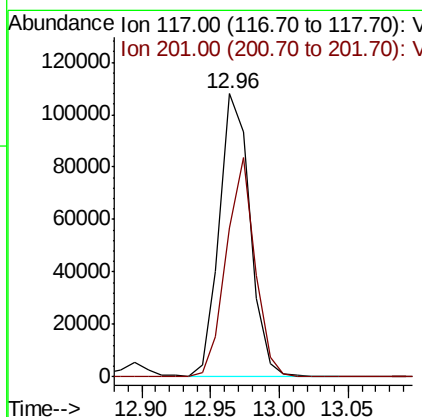
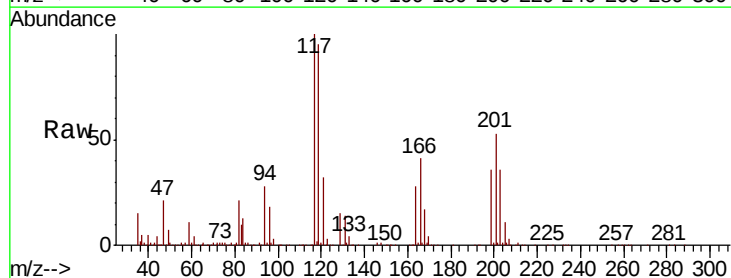
Instrument :
MSVOA_F
ClientSampleId :

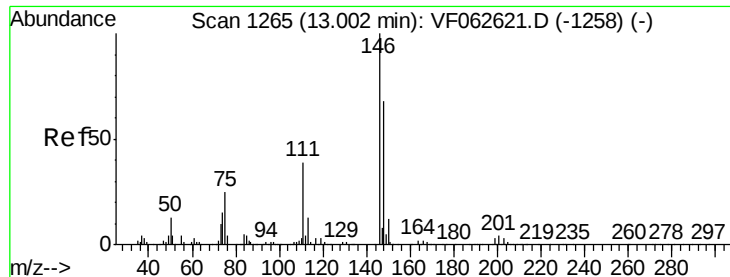
Tot Ion	Ratio	Lower	Upper
91	100		
92	59.1	33.3	99.8
134	26.3	15.4	46.4



#90
Hexachloroethane
Concen: 22.759 ug/l
RT: 12.96 min Scan# 1261
Delta R.T. -0.01 min
Lab File: VF062721.D
Acq: 23 May 2019 12:38

Tgt Ion	Ratio	Lower	Upper
117	100		
201	54.3	30.7	92.1





#91

1,2-Dichlorobenzene

Concen: 21.983 ug/l

RT: 12.99 min Scan# 1264

Delta R.T. -0.01 min

Lab File: VF062721.D

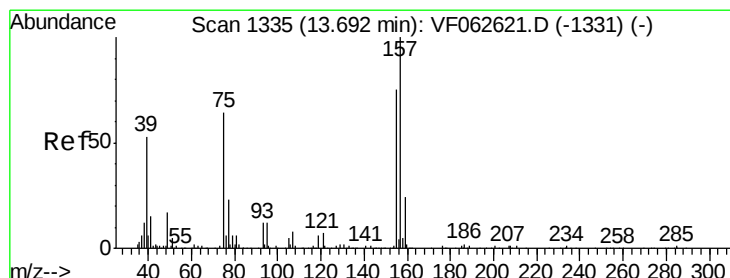
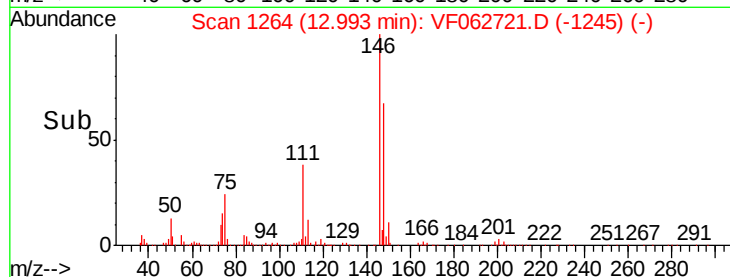
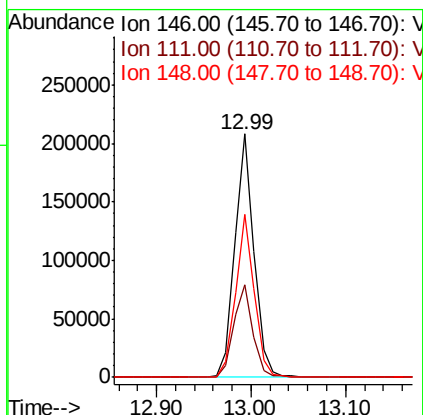
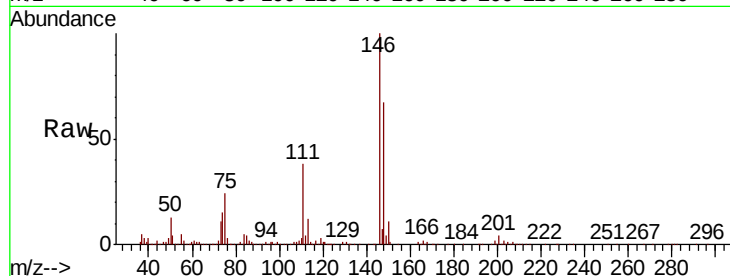
Acq: 23 May 2019 12:38

Instrument :

MSVOA_F

ClientSampleId :

Tot Ion:	146	Resp:	293400
Ion	Ratio	Lower	Upper
146	100		
111	38.1	19.8	59.3
148	66.9	34.1	102.2



#92

1,2-Dibromo-3-Chloropropane

Concen: 21.205 ug/l

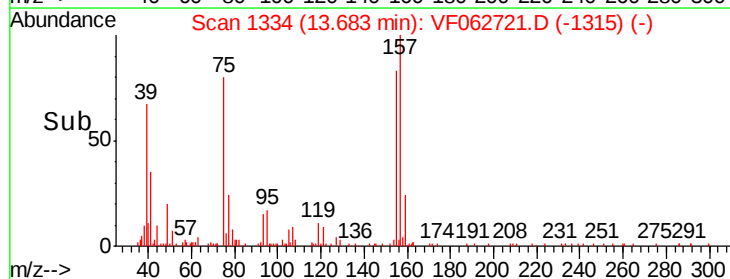
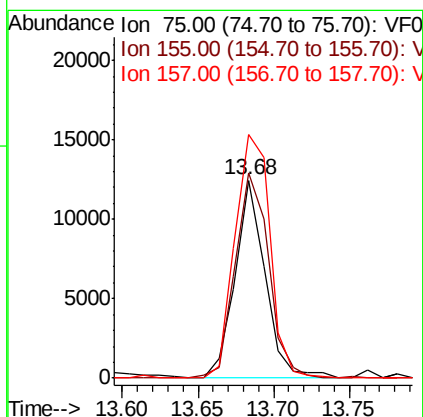
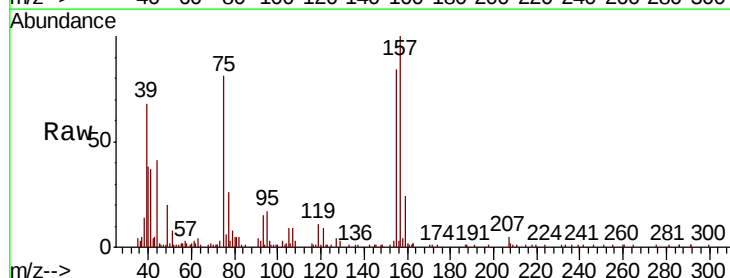
RT: 13.68 min Scan# 1334

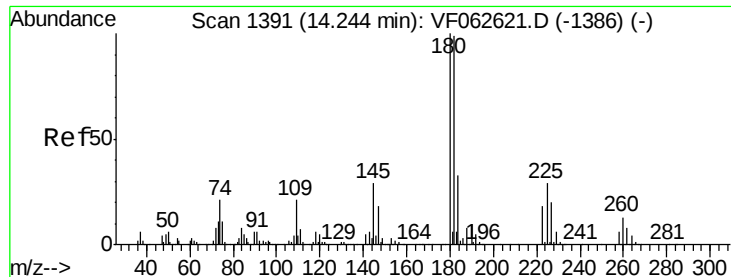
Delta R.T. -0.01 min

Lab File: VF062721.D

Acq: 23 May 2019 12:38

Tgt Ion:	75	Resp:	17212
Ion	Ratio	Lower	Upper
75	100		
155	103.7	58.1	174.3
157	123.1	77.8	233.4

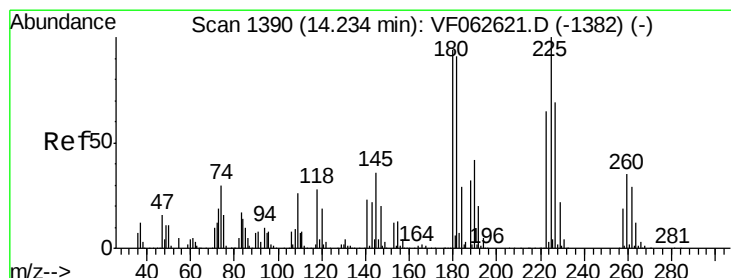
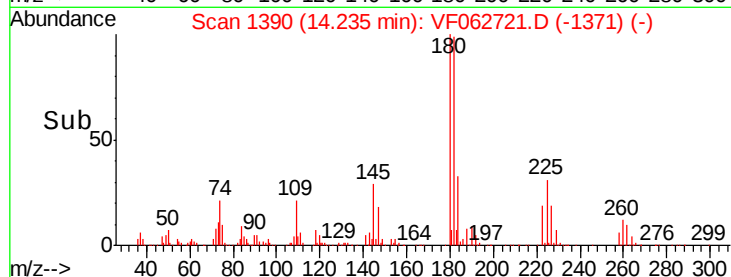
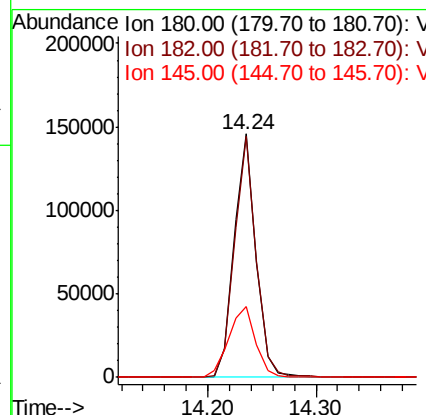
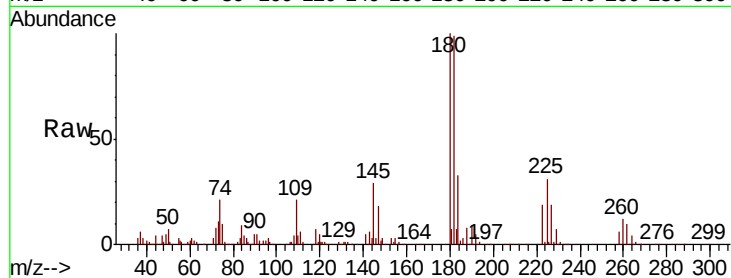




#93
 1,2,4-Trichlorobenzene
 Concen: 21.460 ug/l
 RT: 14.24 min Scan# 1390
 Delta R.T. -0.01 min
 Lab File: VF062721.D
 Acq: 23 May 2019 12:38

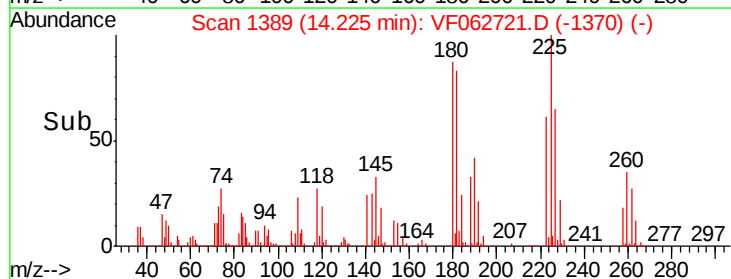
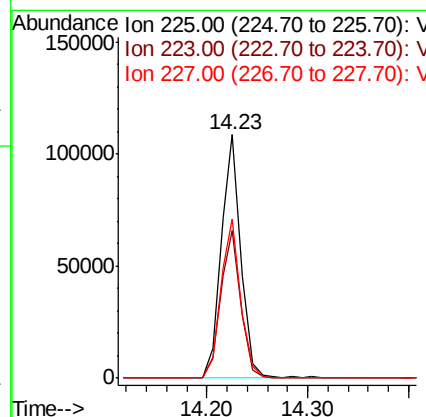
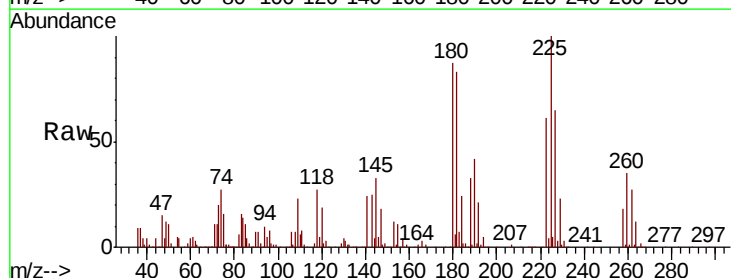
Instrument :
 MSVOA_F
 ClientSampled :

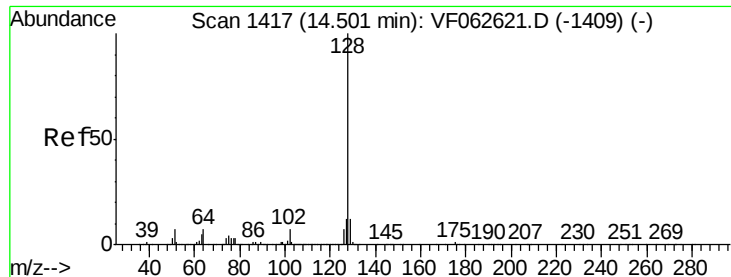
Tot Ion	Ratio	Lower	Upper
180	100		
182	99.0	49.7	149.1
145	28.9	14.6	44.0



#94
 Hexachlorobutadiene
 Concen: 22.202 ug/l
 RT: 14.23 min Scan# 1389
 Delta R.T. -0.01 min
 Lab File: VF062721.D
 Acq: 23 May 2019 12:38

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.6	32.5	97.4
227	65.4	34.5	103.5

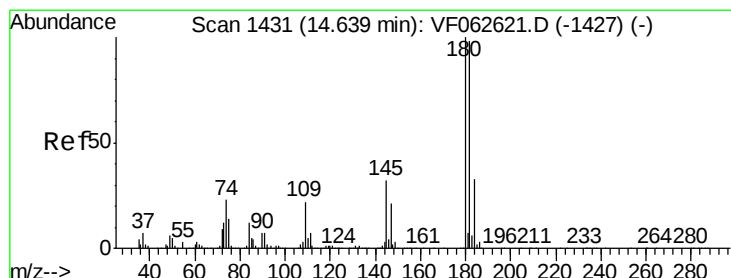
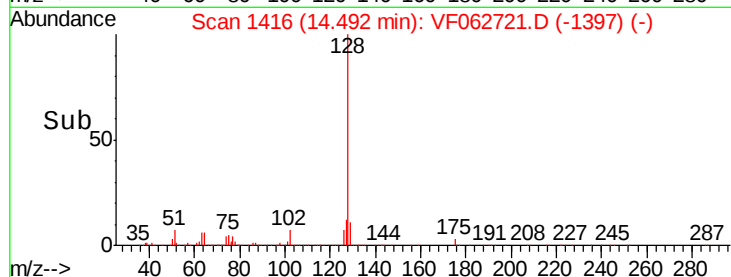
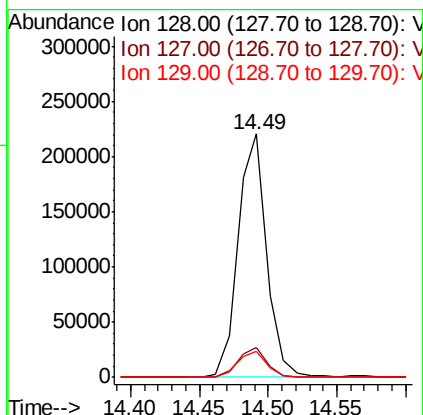
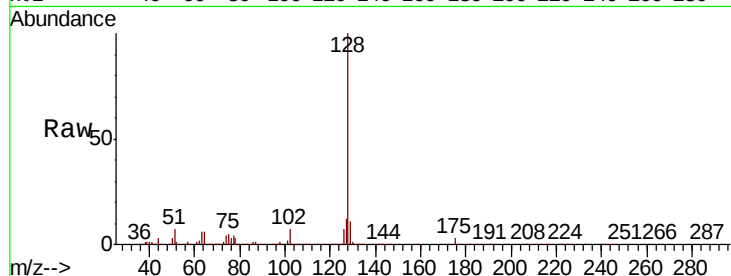




#95
Naphthalene
Concen: 18.387 ug/l
RT: 14.49 min Scan# 1416
Delta R.T. -0.01 min
Lab File: VF062721.D
Acq: 23 May 2019 12:38

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.4	9.7	14.5
129	10.7	9.3	13.9



#96
1,2,3-Trichlorobenzene
Concen: 21.414 ug/l
RT: 14.63 min Scan# 1430
Delta R.T. -0.01 min
Lab File: VF062721.D
Acq: 23 May 2019 12:38

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.0	48.9	146.7
145	29.6	16.1	48.2

