

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 :
 VF0523SBS01

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

Target Compounds	R.T.	QIon	Response	Conc	Units	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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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

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

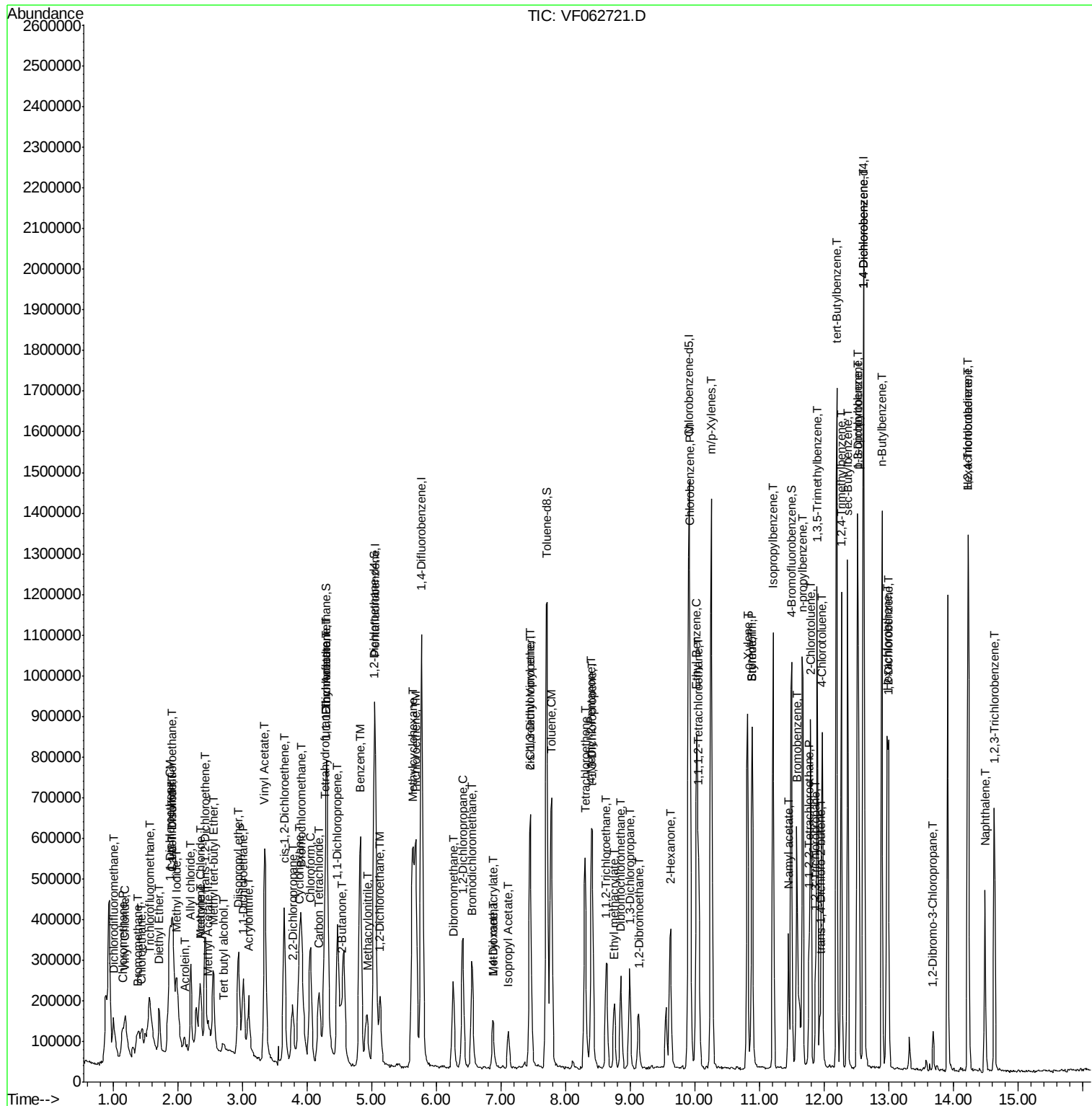
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	205016	21.460	ug/l	100
94) Hexachlorobutadiene	14.23	225	148022	22.202	ug/l	95
95) Naphthalene	14.49	128	319127	18.387	ug/l	98
96) 1,2,3-Trichlorobenzene	14.63	180	193775	21.414	ug/l	94

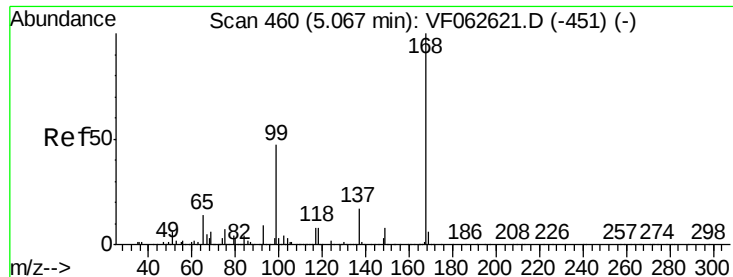
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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





#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 :

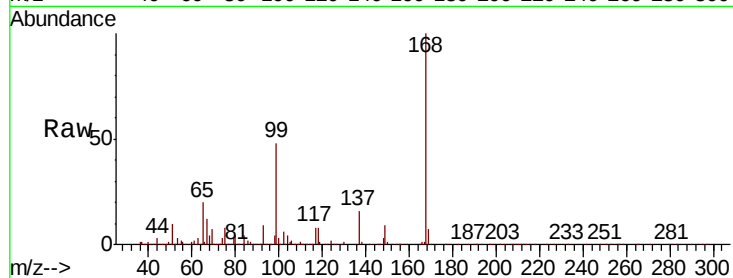
VF0523SBS01

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

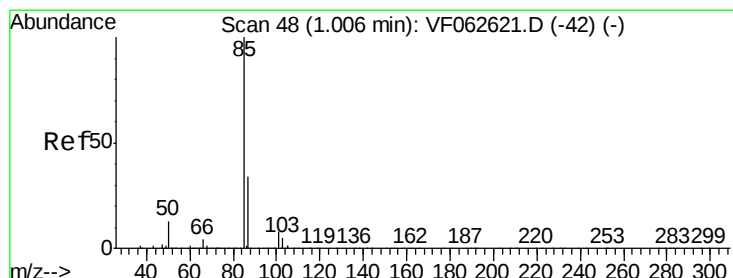
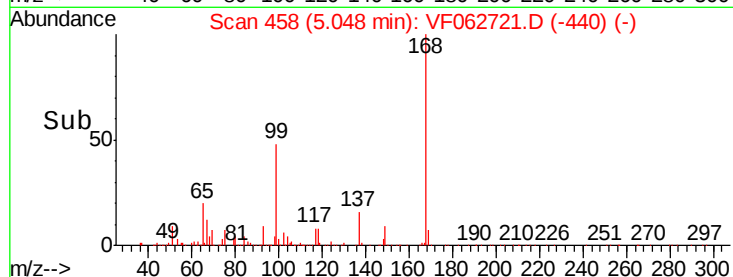
150000

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

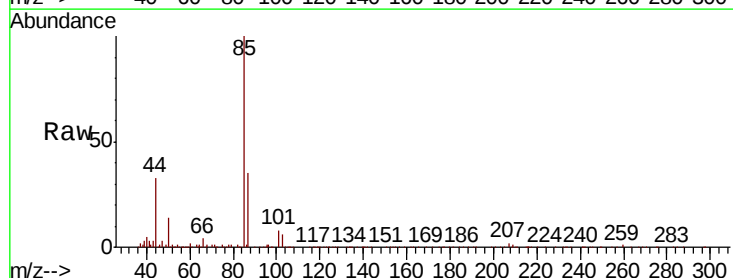
Acq: 23 May 2019 12:38

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

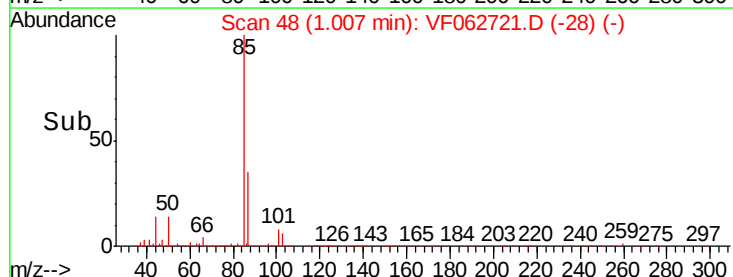
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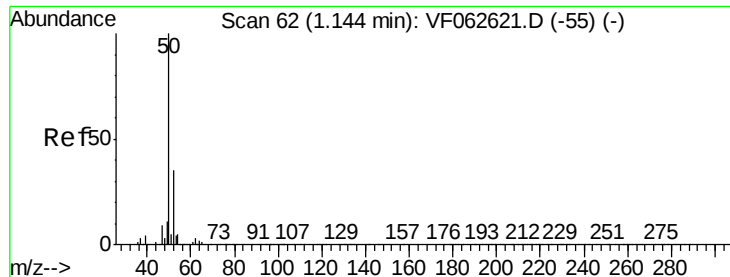
40000

20000

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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 :

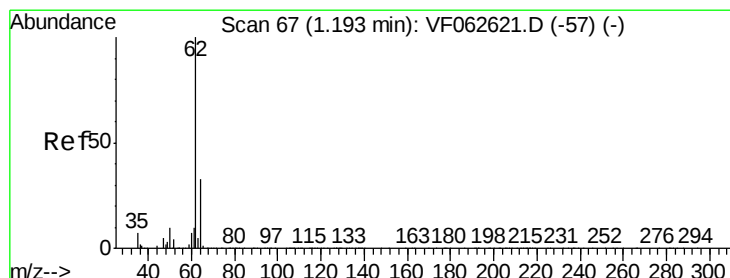
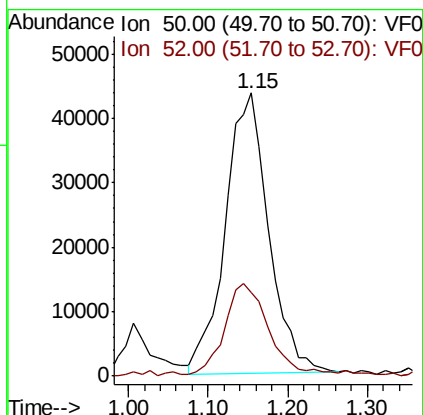
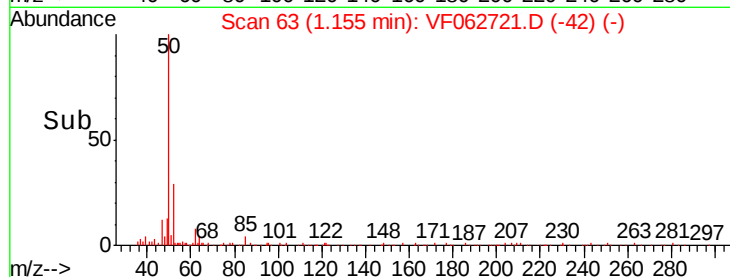
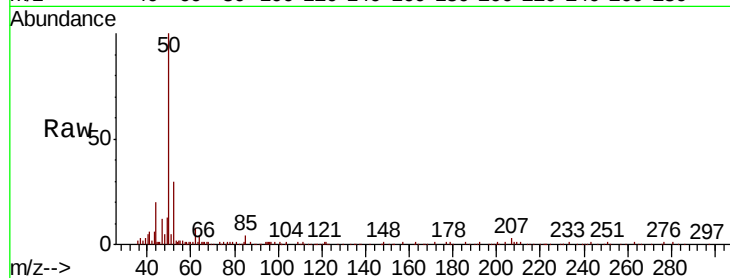
VF0523SBS01

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

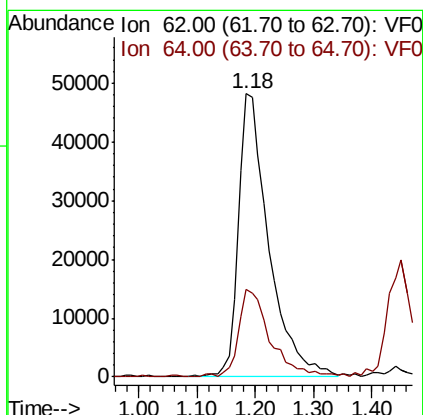
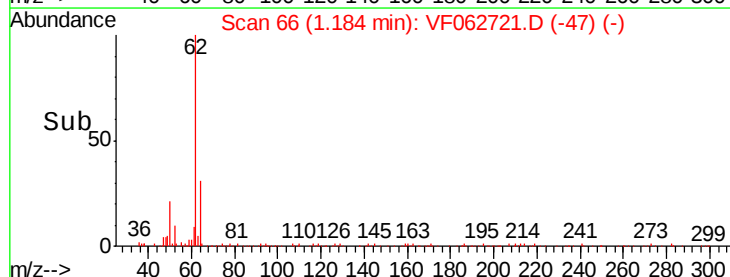
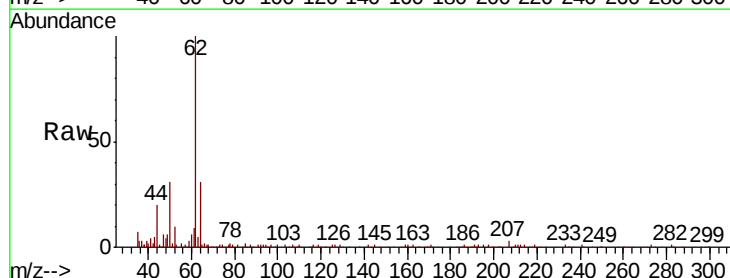
Acq: 23 May 2019 12:38

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 :

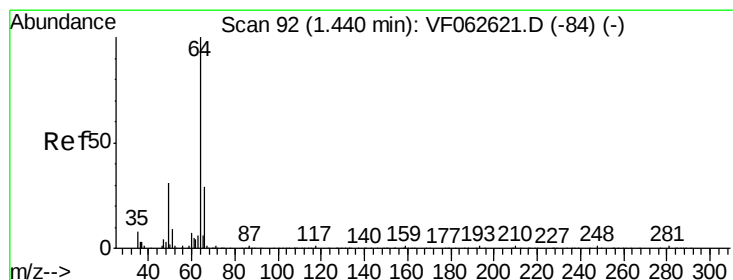
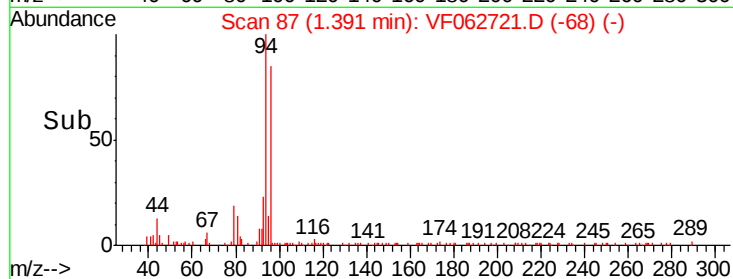
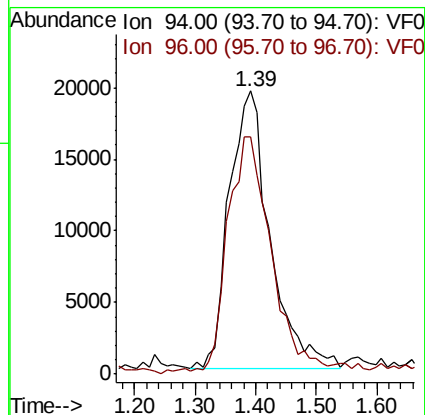
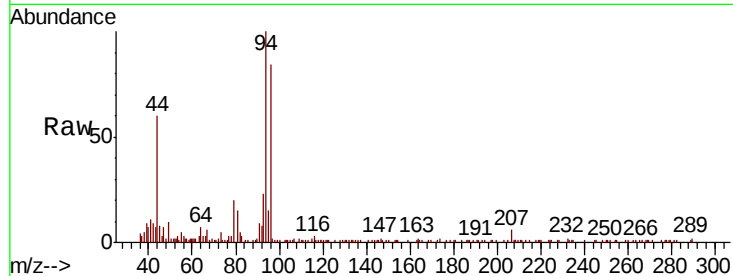
VF0523SBS01

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

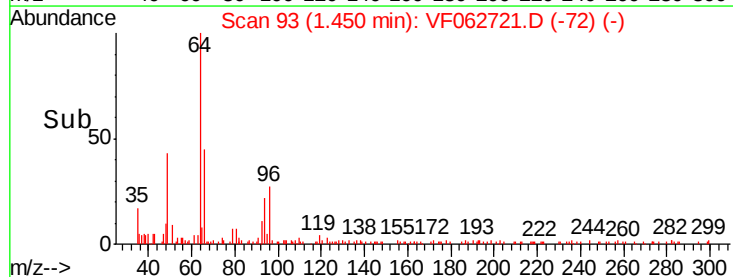
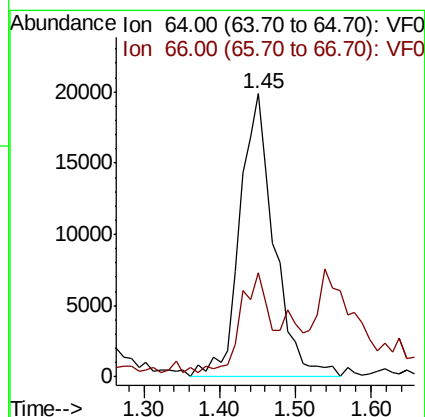
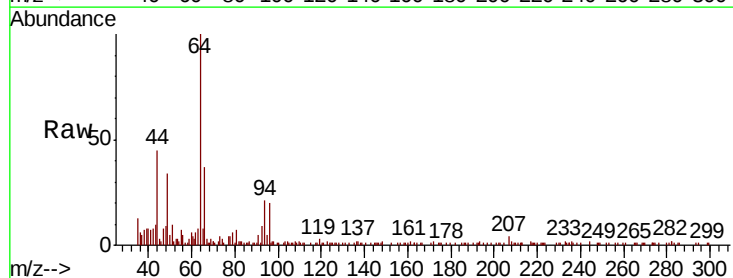
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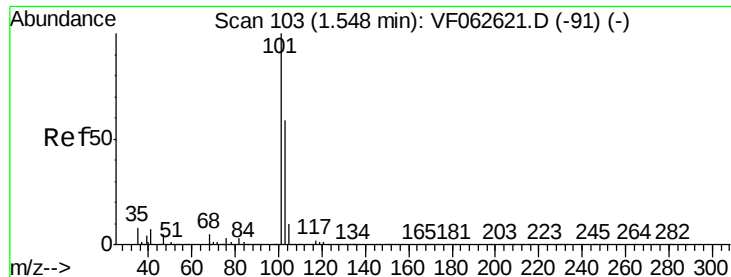
Tgt Ion: 64 Resp: 62189

Ion Ratio Lower Upper

64 100

66 36.7 23.4 35.2#



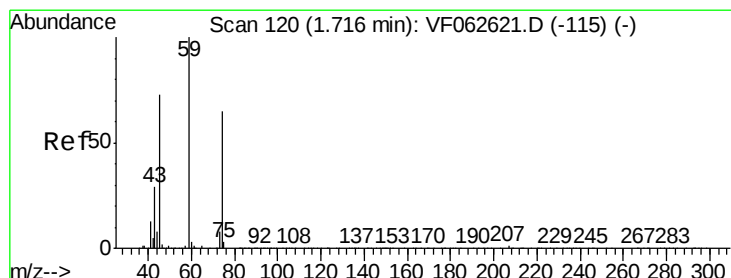
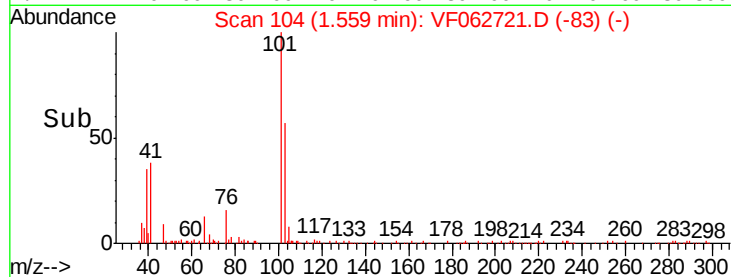
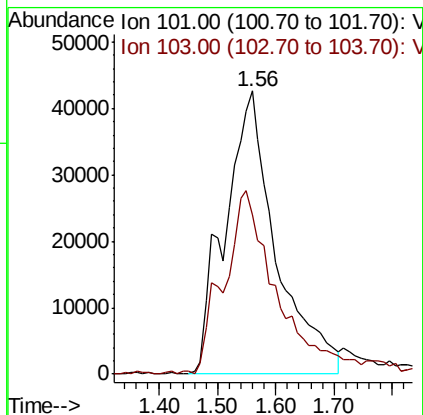
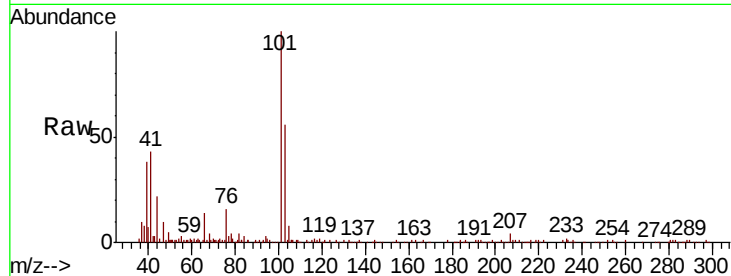


#7

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
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 VF0523SBS01

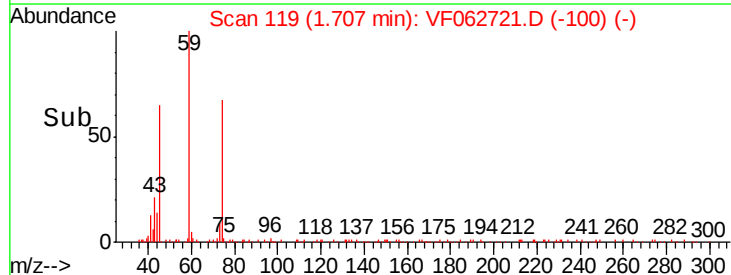
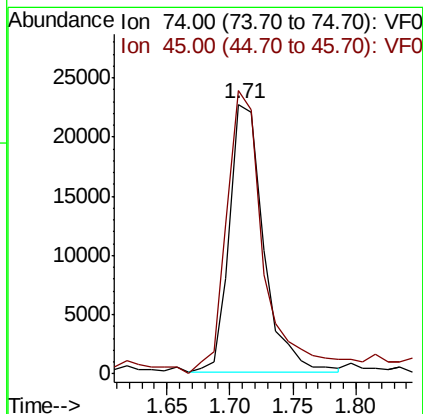
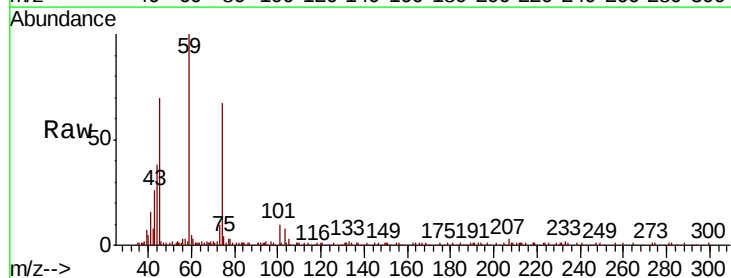
Tot Ion:101 Resp: 260266
 Ion Ratio Lower Upper
 101 100
 103 56.2 47.3 70.9

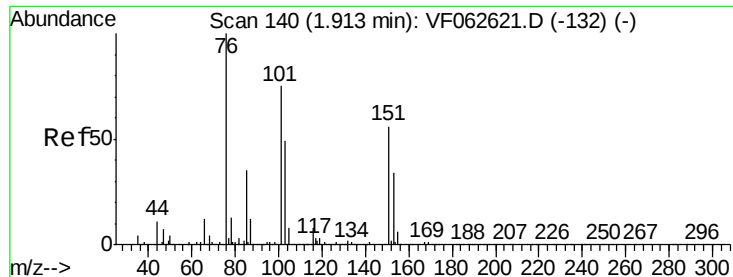


#8

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 :

VF0523SBS01

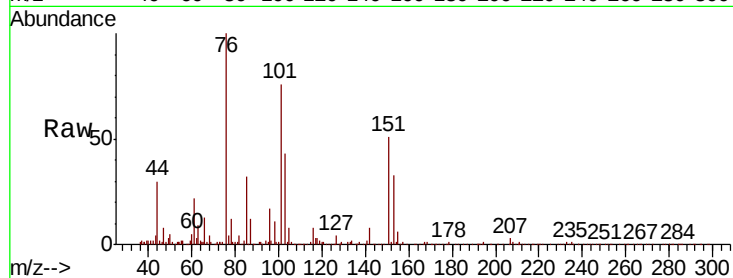
Tot Ion:101 Resp: 170757

Ion Ratio Lower Upper

101 100

85 42.4 37.1 55.7

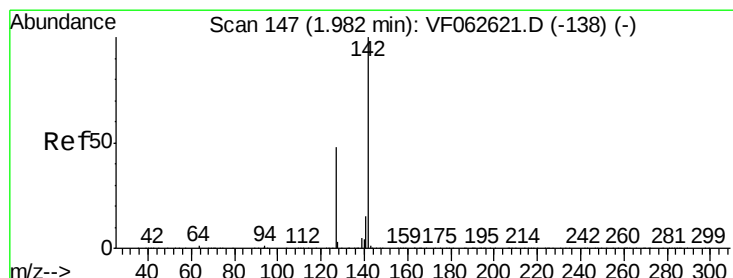
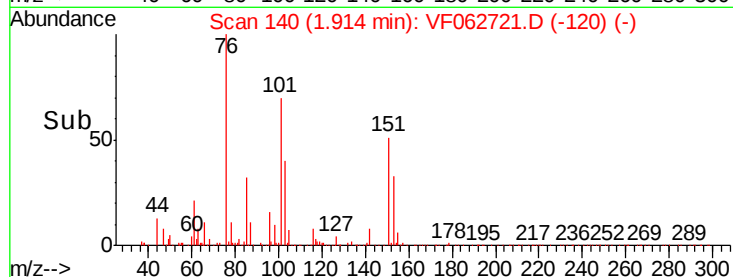
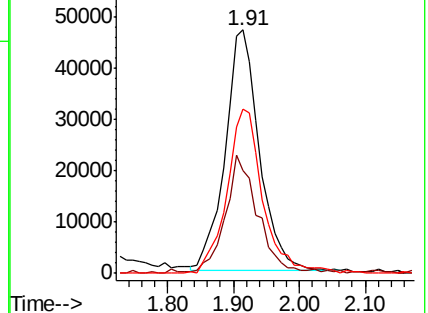
151 67.6 58.8 88.2



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

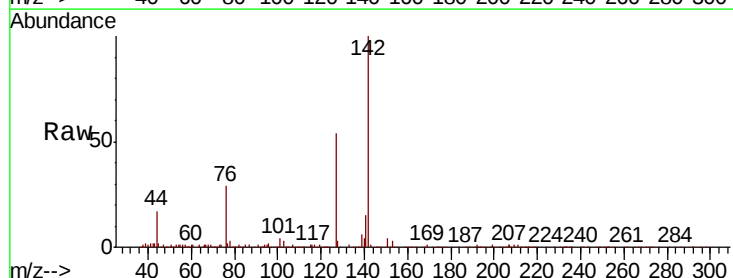
Tgt Ion:142 Resp: 324325

Ion Ratio Lower Upper

142 100

127 53.6 38.1 57.1

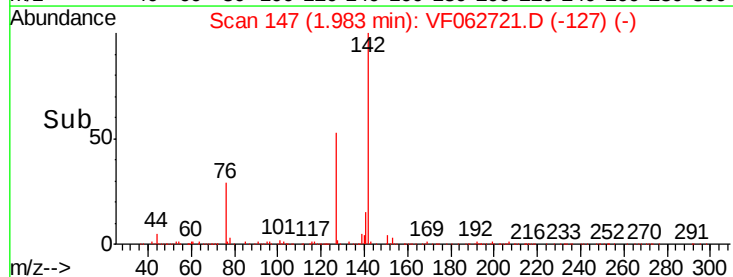
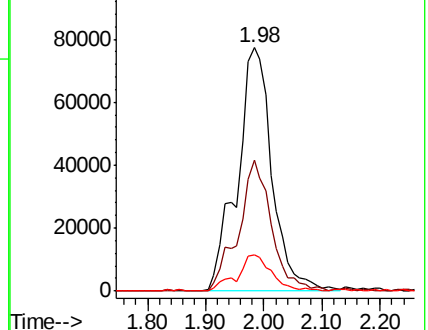
141 14.9 11.7 17.5

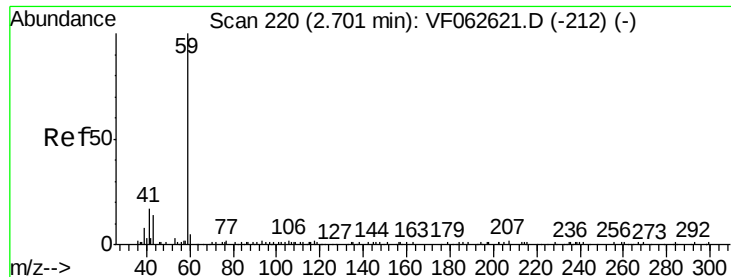


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V

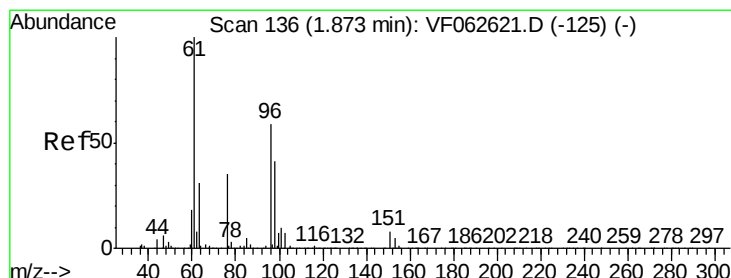
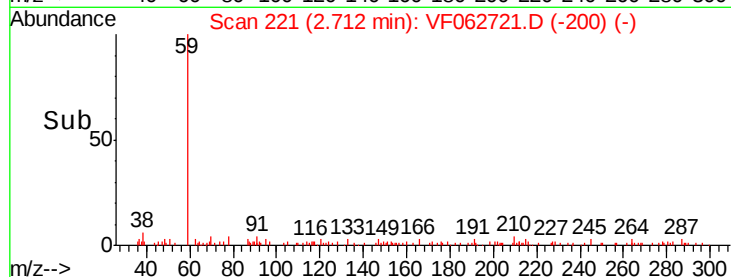
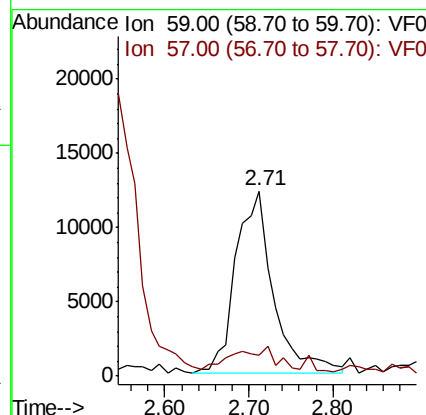
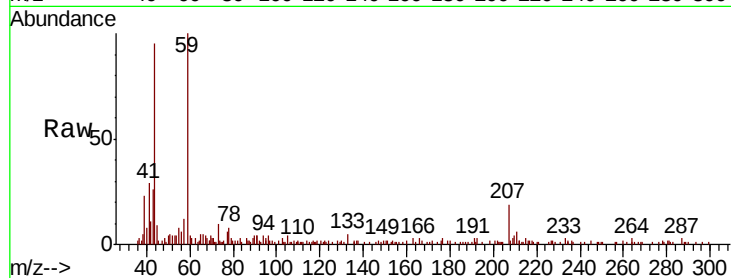




#11
Tert butyl alcohol
Concen: 99.293 ug/l
RT: 2.71 min Scan# 221
Delta R.T. 0.01 min
Lab File: VF062721.D
Acq: 23 May 2019 12:38

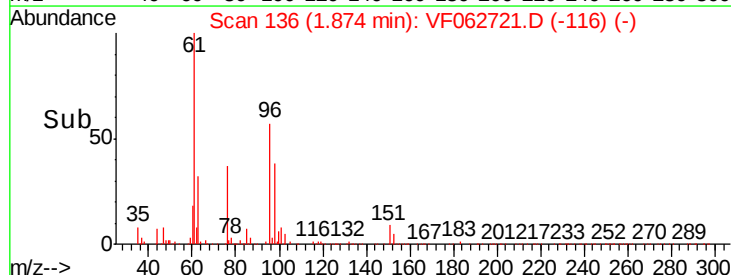
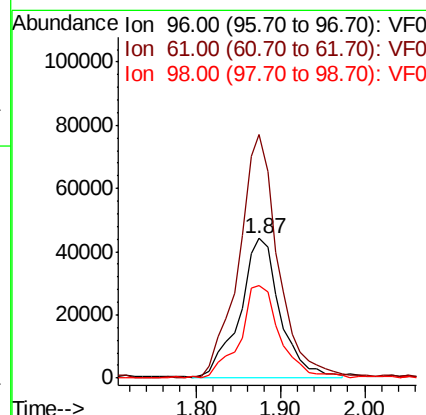
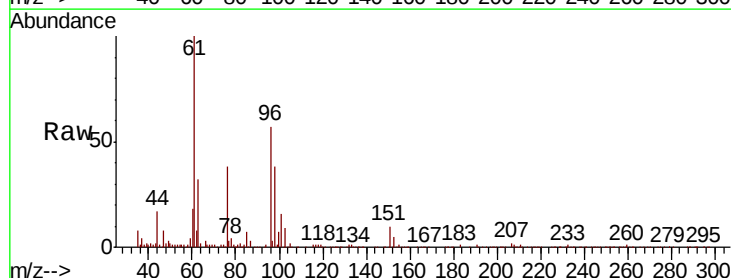
Instrument :
MSVOA_F
ClientSampleId :
VF0523SBS01

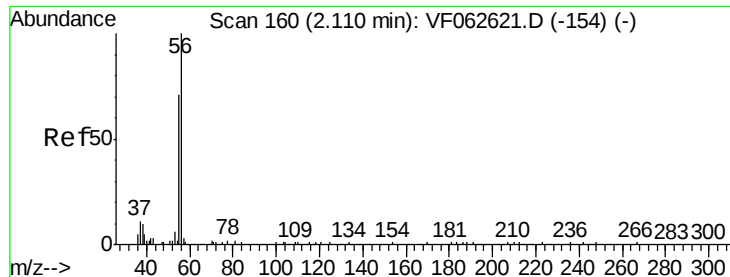
Tot Ion: 59 Resp: 38013
Ion Ratio Lower Upper
59 100
57 11.5 9.3 13.9



#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 :

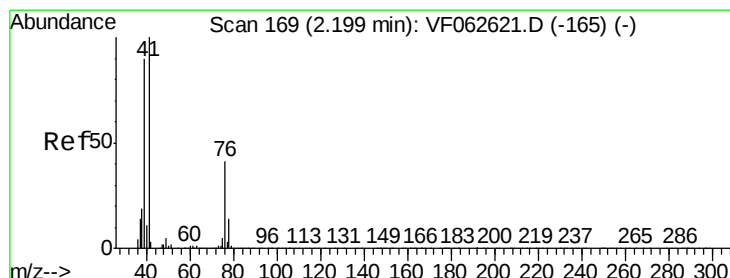
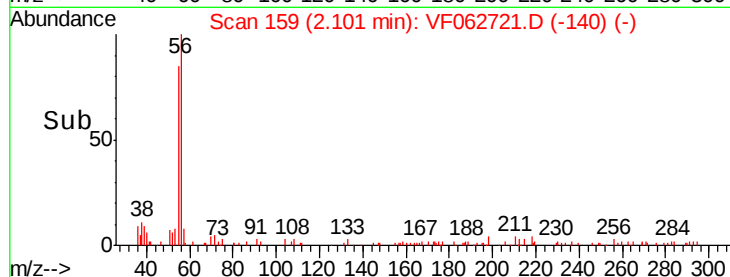
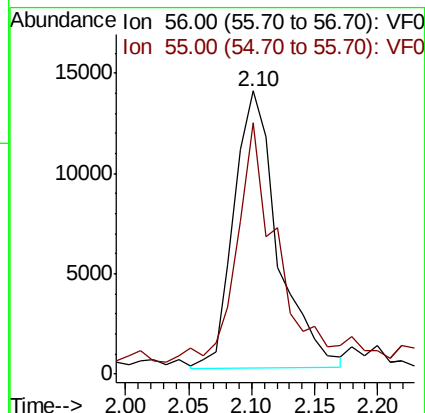
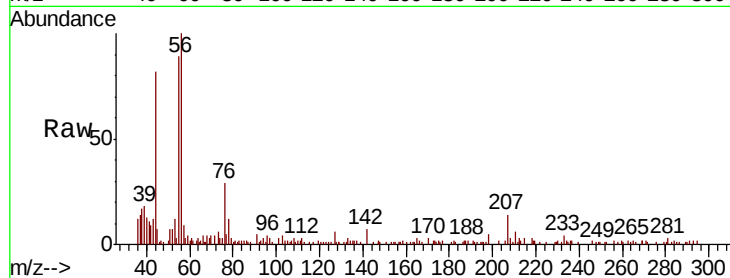
VF0523SBS01

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

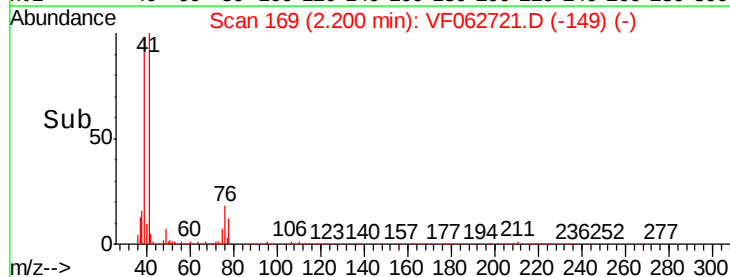
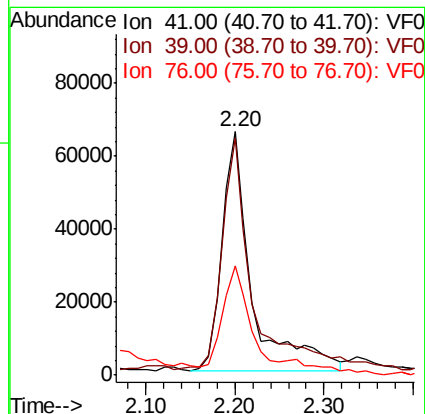
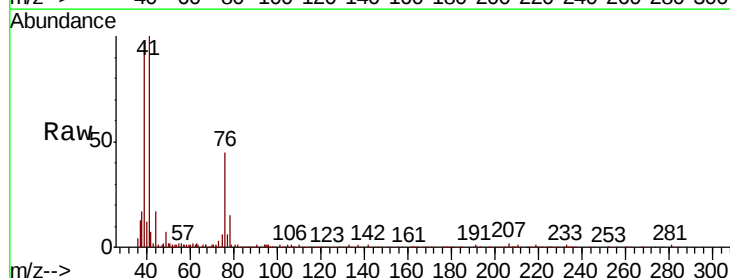
Tgt Ion: 41 Resp: 154319

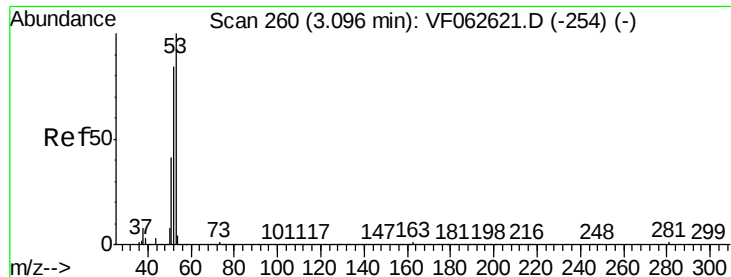
Ion Ratio Lower Upper

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 :

VF0523SBS01

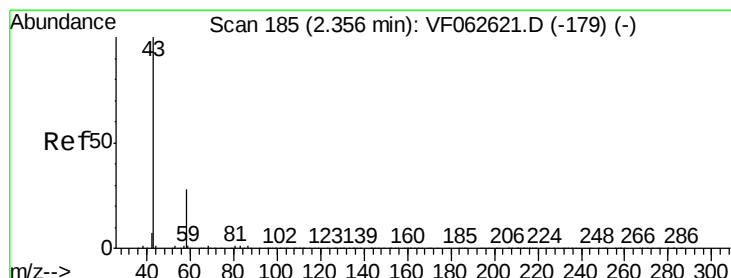
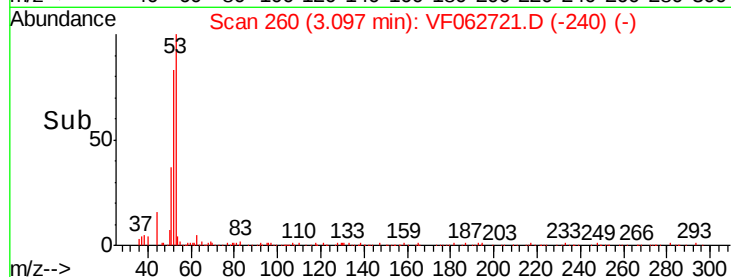
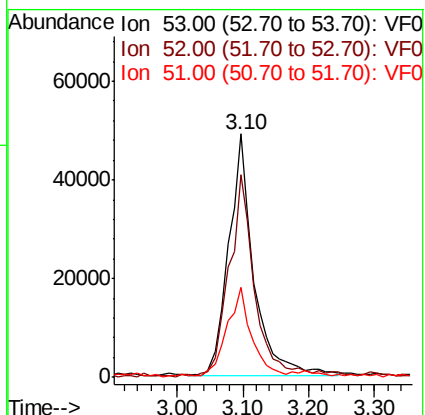
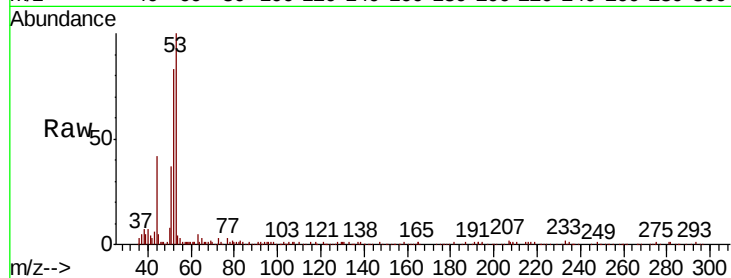
Tot Ion: 53 Resp: 130029

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

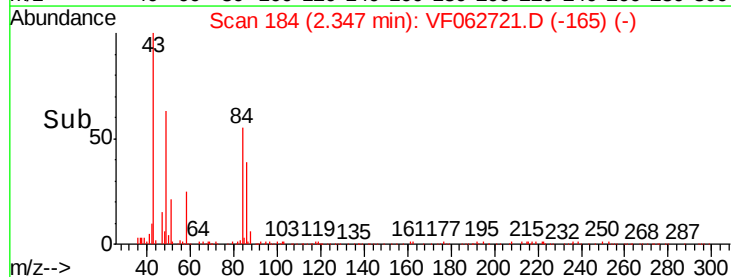
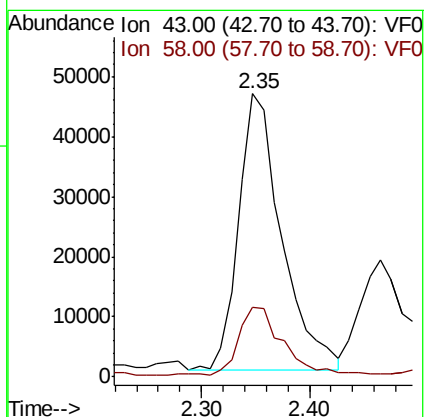
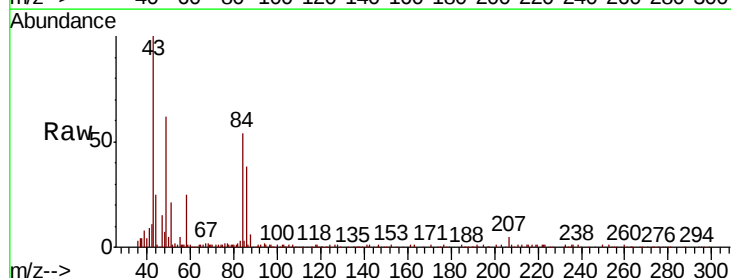
Acq: 23 May 2019 12:38

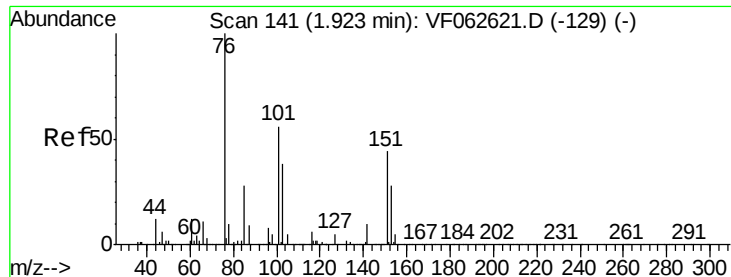
Tgt Ion: 43 Resp: 127513

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 :

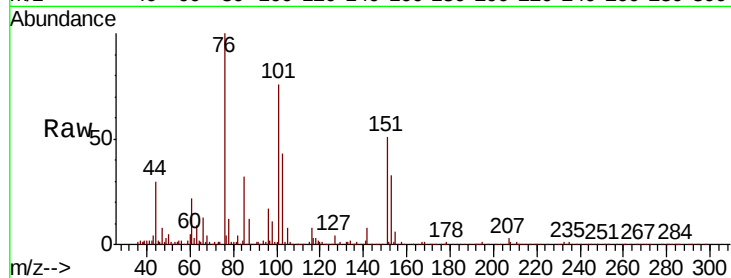
VF0523SBS01

Tot Ion: 76 Resp: 407381

Ion Ratio Lower Upper

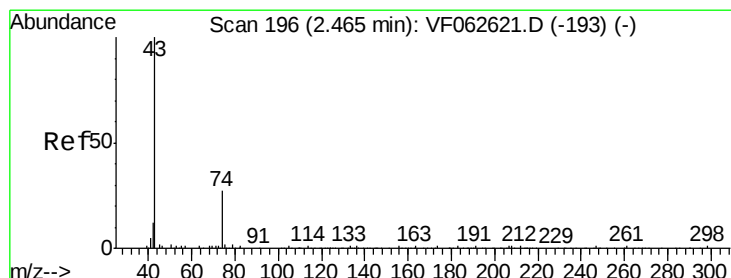
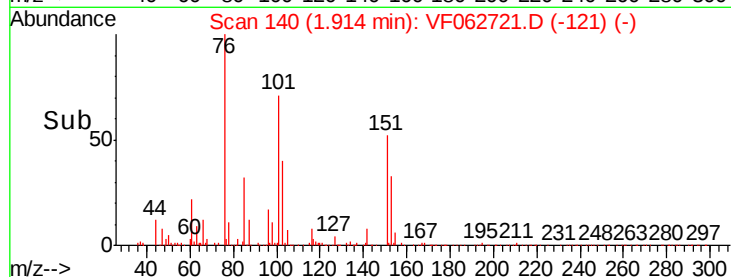
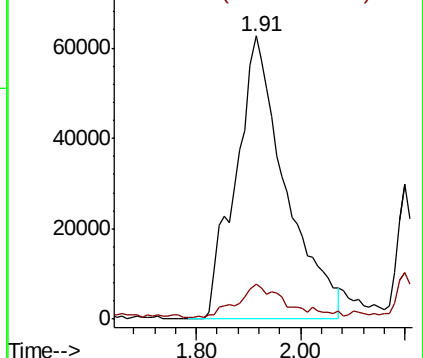
76 100

78 12.3 8.4 12.6



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#18

Methyl Acetate

Concen: 22.102 ug/l

RT: 2.47 min Scan# 196

Delta R.T. 0.00 min

Lab File: VF062721.D

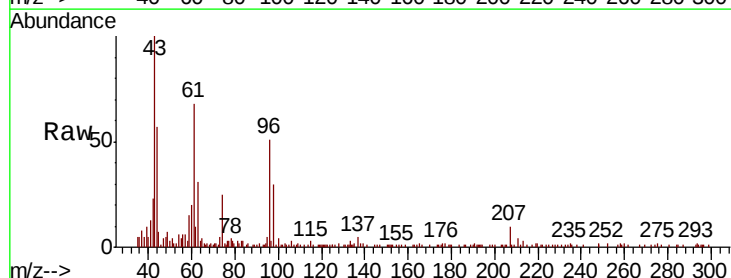
Acq: 23 May 2019 12:38

Tgt Ion: 43 Resp: 52250

Ion Ratio Lower Upper

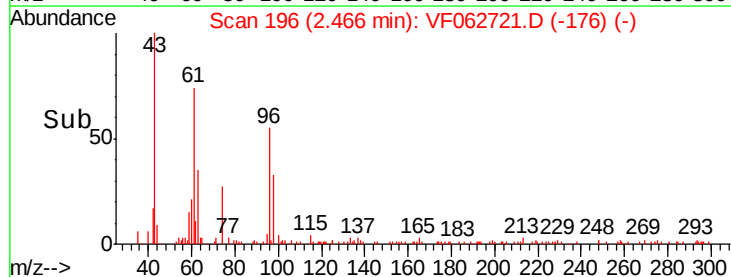
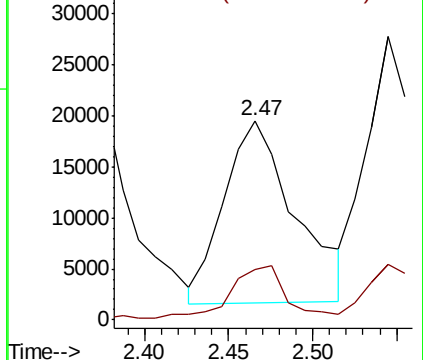
43 100

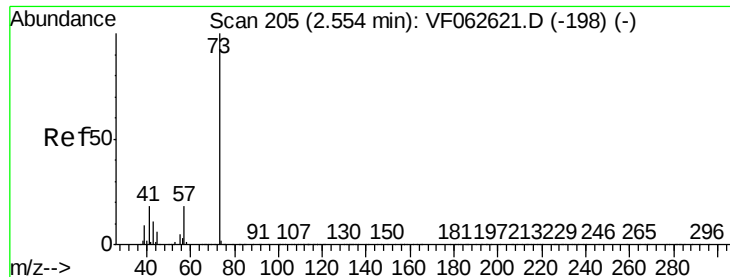
74 25.0 18.9 28.3



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0



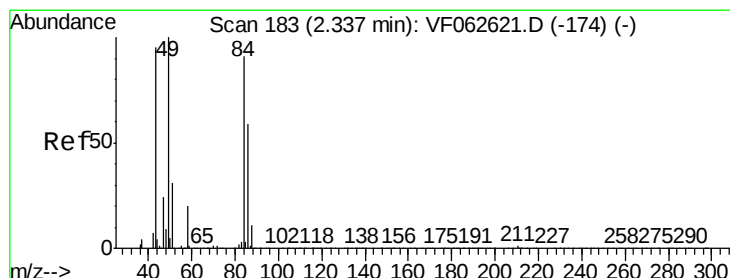
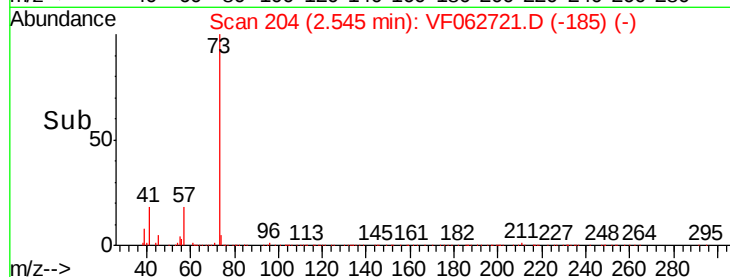
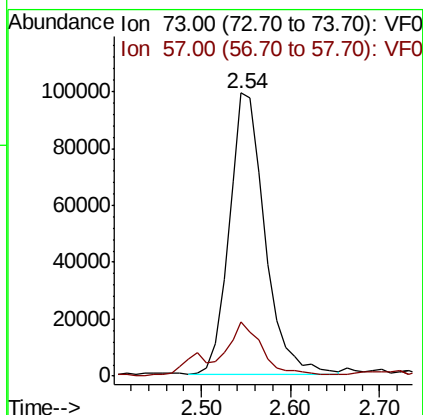
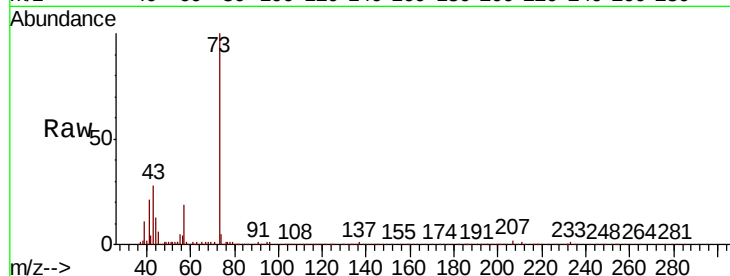


#19

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 :
 VF0523SBS01

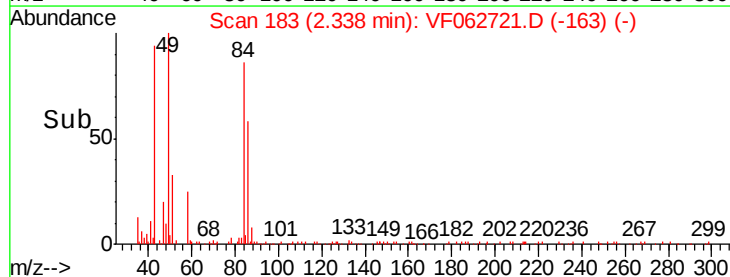
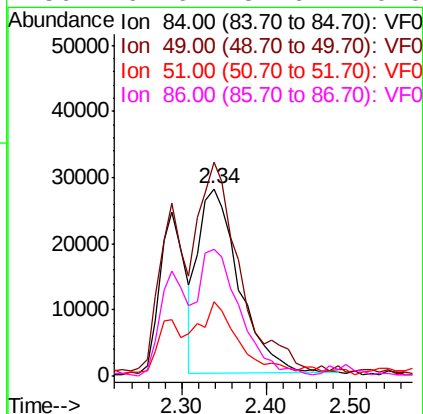
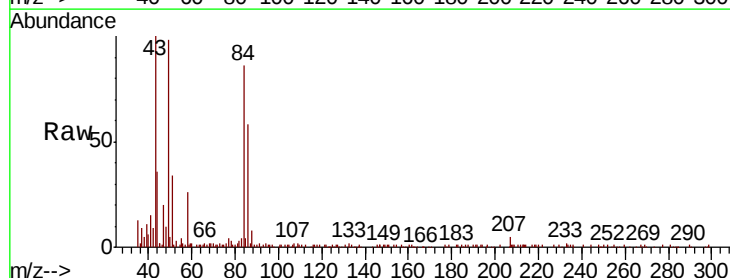
Tot Ion: 73 Resp: 274260
 Ion Ratio Lower Upper
 73 100
 57 19.2 14.2 21.4

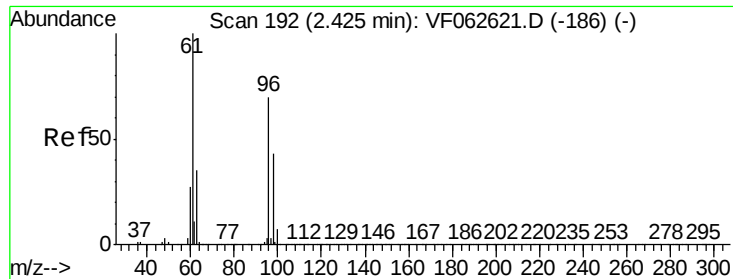


#20

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 :

VF0523SBS01

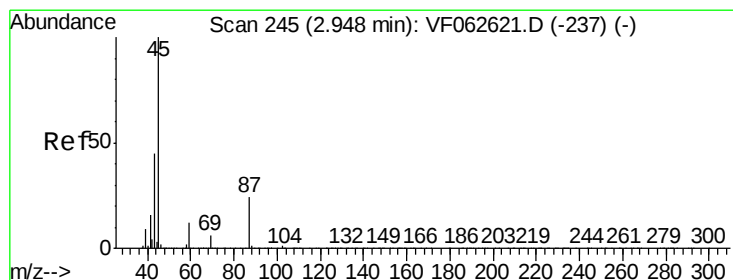
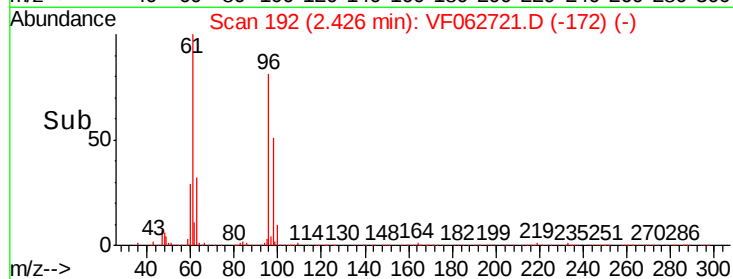
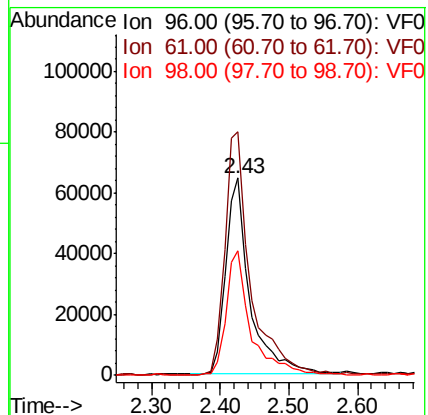
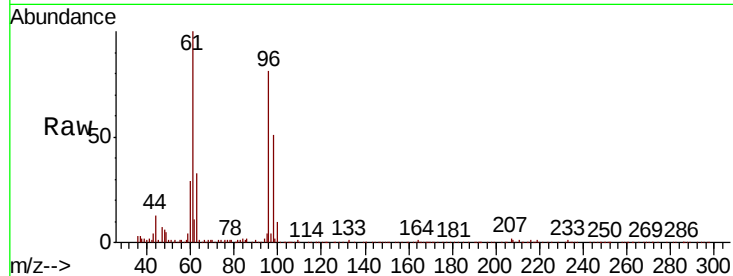
Tot Ion: 96 Resp: 156782

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

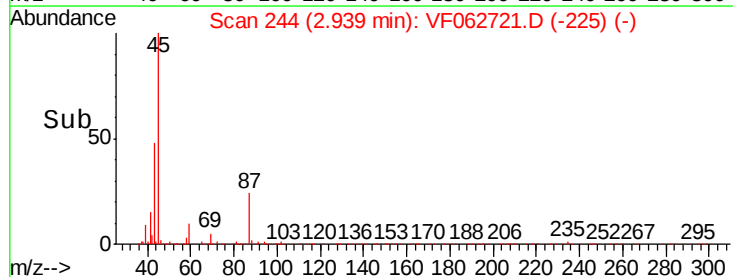
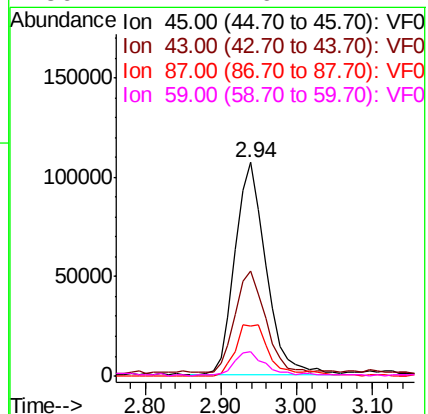
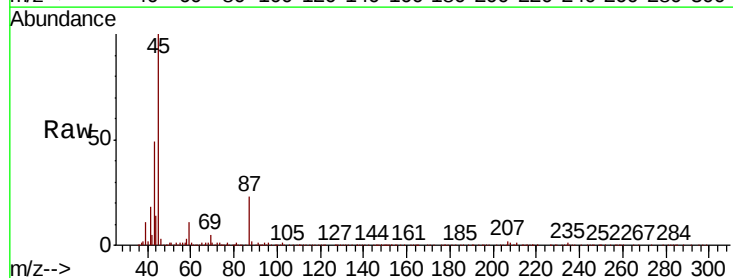
Ion Ratio Lower Upper

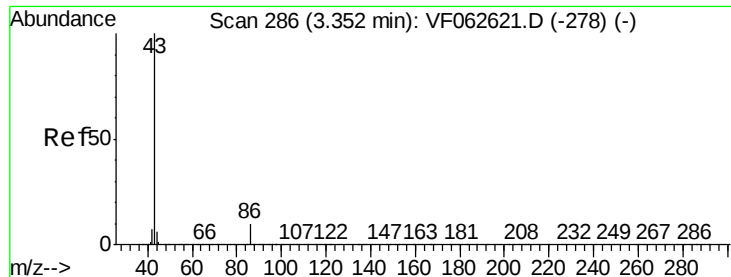
45 100

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 :

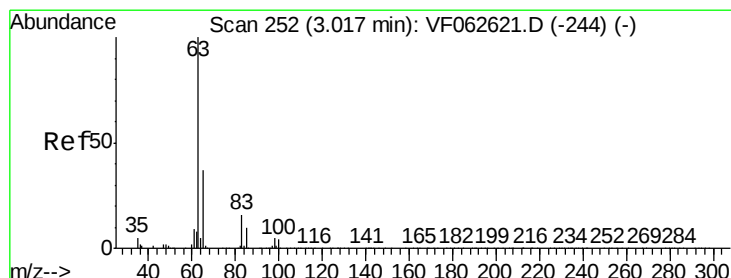
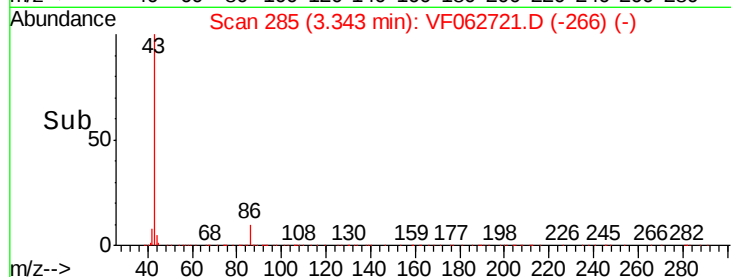
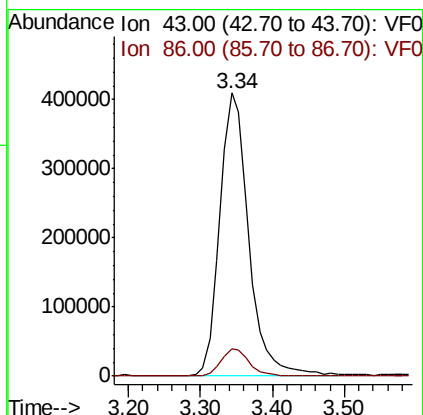
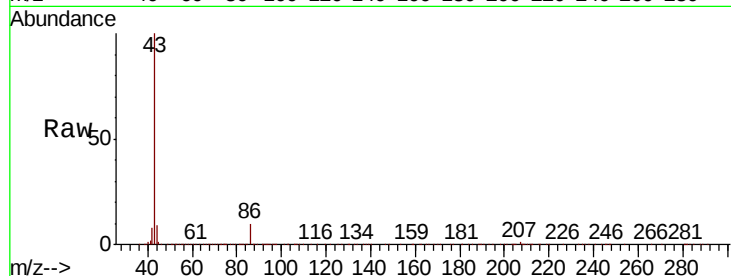
VF0523SBS01

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

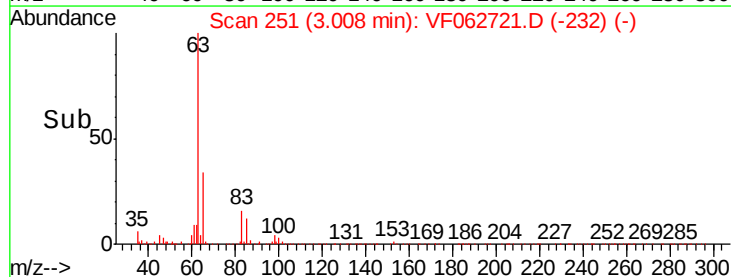
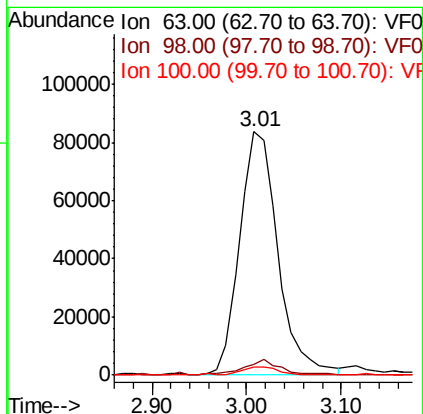
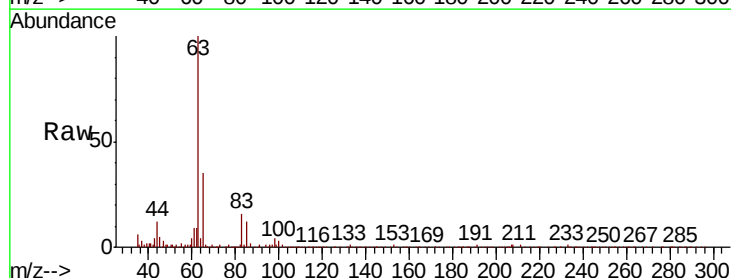
Tgt Ion: 63 Resp: 233225

Ion Ratio Lower Upper

63 100

98 4.4 2.8 8.3

100 3.4 1.9 5.7

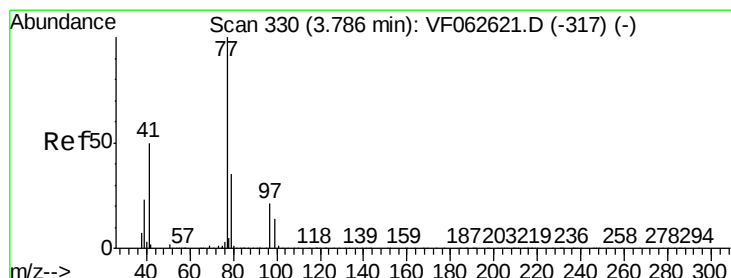
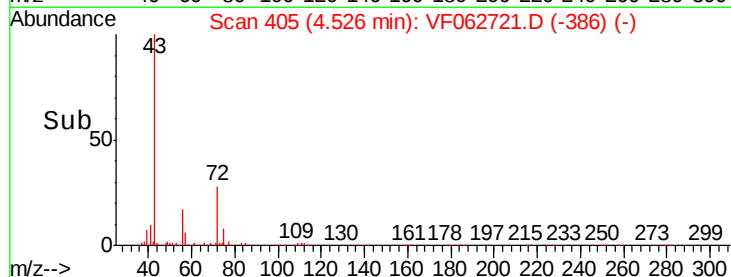
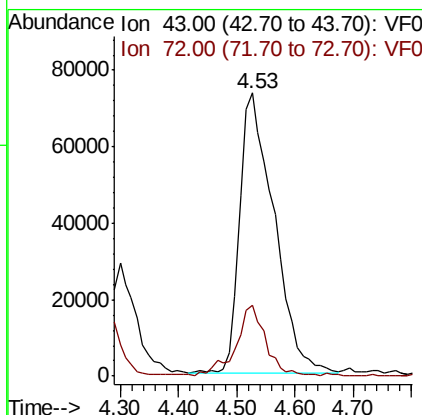
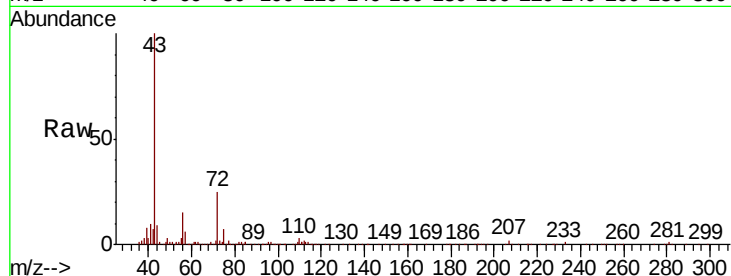




#25
2-Butanone
Concen: 93.458 ug/l
RT: 4.53 min Scan# 405
Delta R.T. -0.01 min
Lab File: VF062721.D
Acq: 23 May 2019 12:38

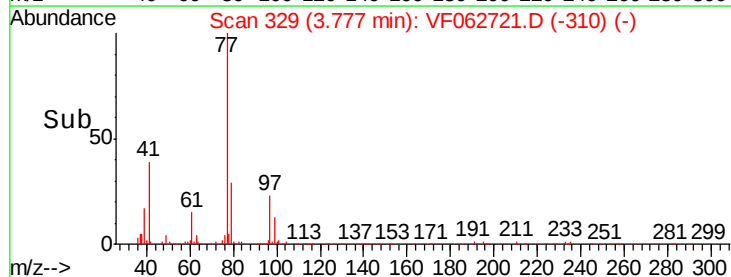
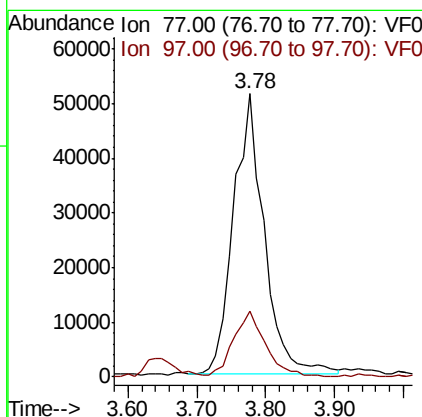
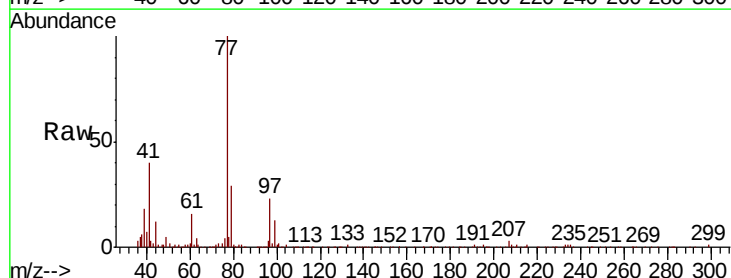
Instrument :
MSVOA_F
ClientSampleId :
VF0523SBS01

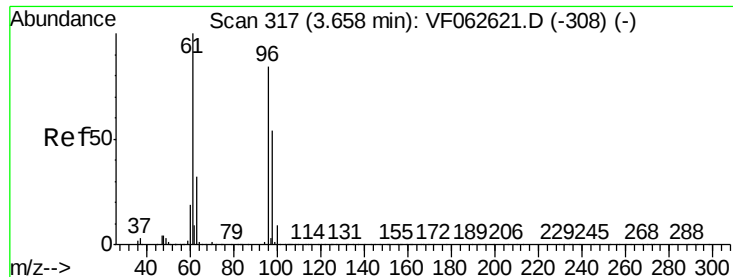
Tot Ion: 43 Resp: 300384
Ion Ratio Lower Upper
43 100
72 25.2 20.1 30.1



#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



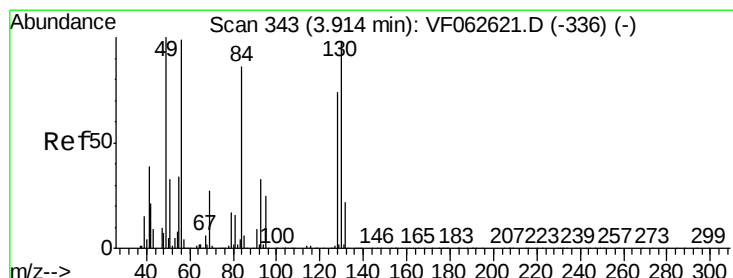
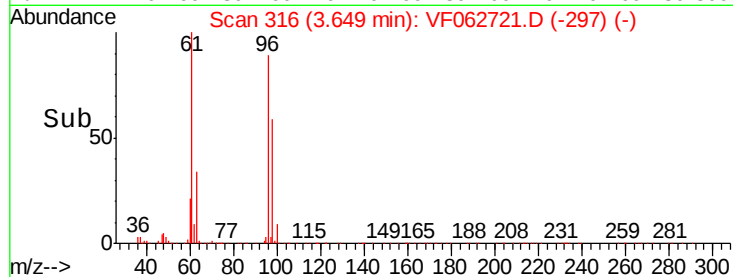
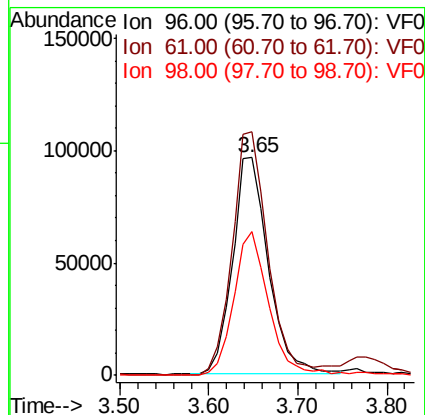
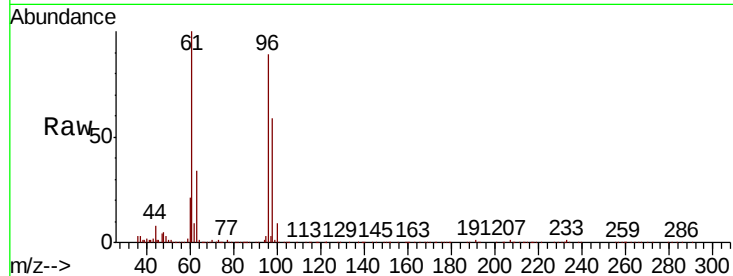


#27

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
ClientSampleId :
VF0523SBS01

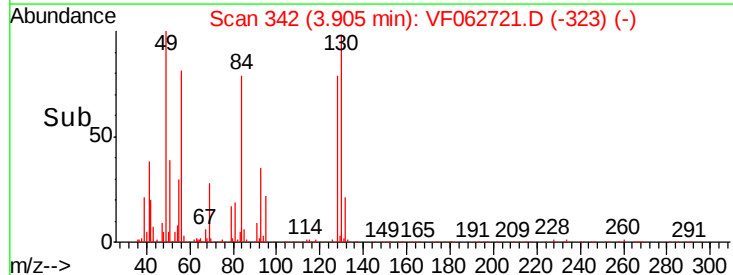
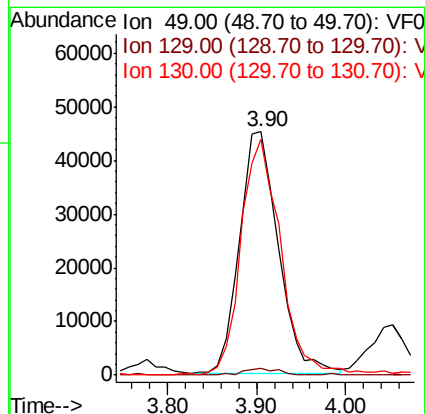
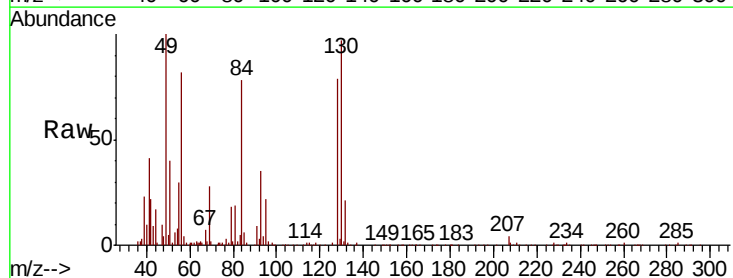
Tot Ion	Ratio	Lower	Upper
96	100		
61	111.9	0.0	237.4
98	65.8	0.0	129.0

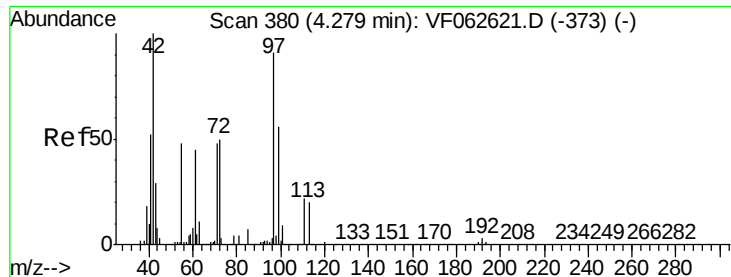


#28

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

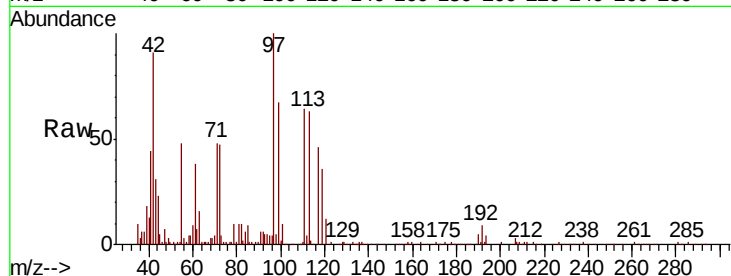




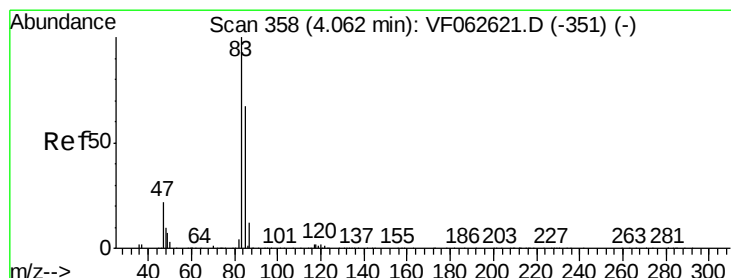
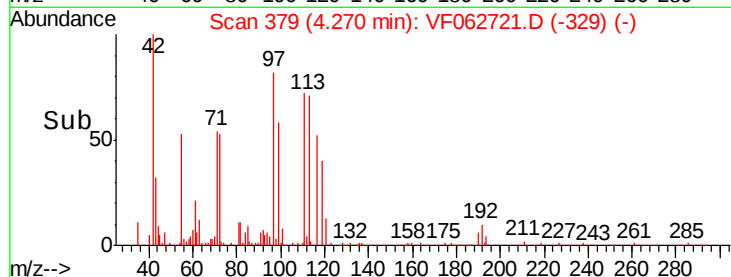
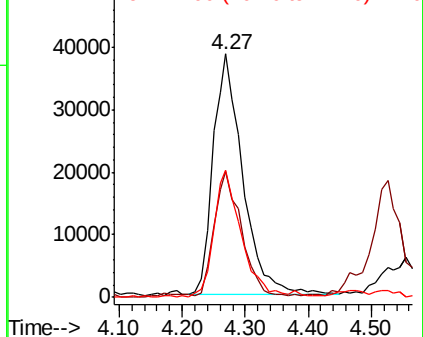
#29
Tetrahydrofuran
Concen: 96.991 ug/l
RT: 4.27 min Scan# 379
Delta R.T. -0.01 min
Lab File: VF062721.D
Acq: 23 May 2019 12:38

Instrument :
MSVOA_F
ClientSampleId :
VF0523SBS01

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

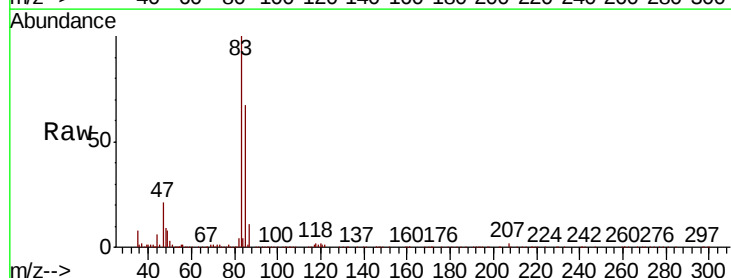


Abundance Ion 42.00 (41.70 to 42.70): VF0
Ion 72.00 (71.70 to 72.70): VF0
Ion 71.00 (70.70 to 71.70): VF0

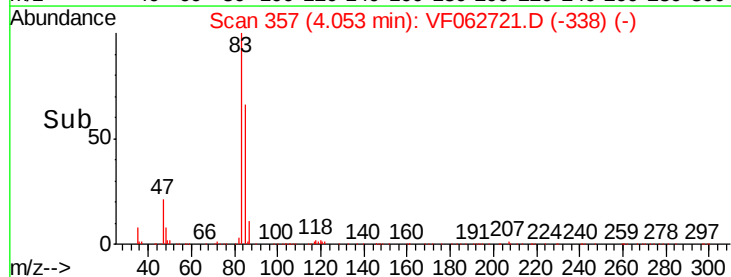
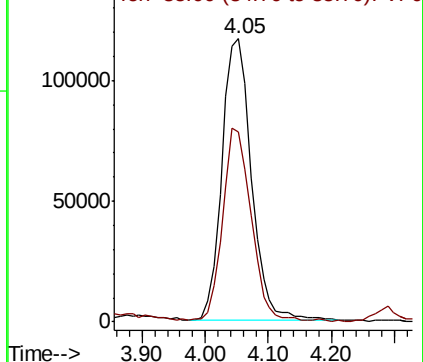


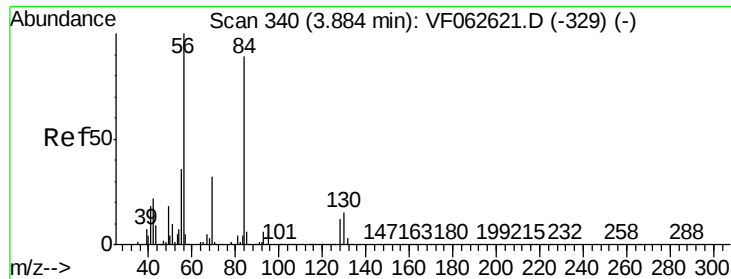
#30
Chloroform
Concen: 22.833 ug/l
RT: 4.05 min Scan# 357
Delta R.T. -0.01 min
Lab File: VF062721.D
Acq: 23 May 2019 12:38

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

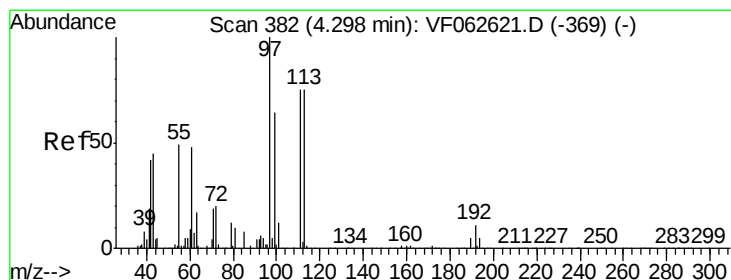
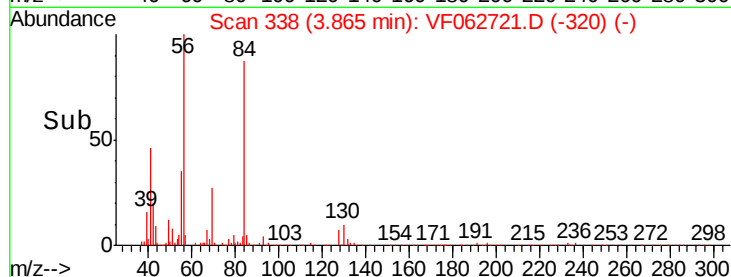
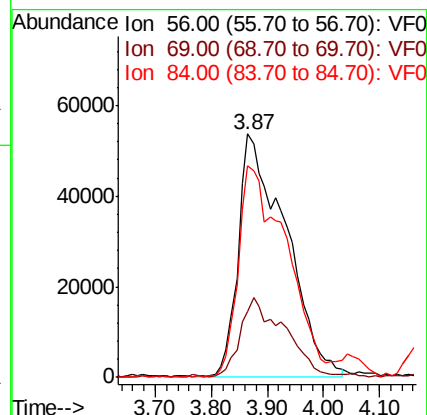
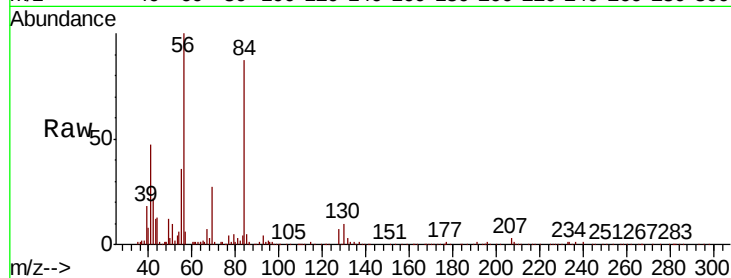




#31
Cyclohexane
Concen: 19.298 ug/l
RT: 3.87 min Scan# 338
Delta R.T. -0.02 min
Lab File: VF062721.D
Acq: 23 May 2019 12:38

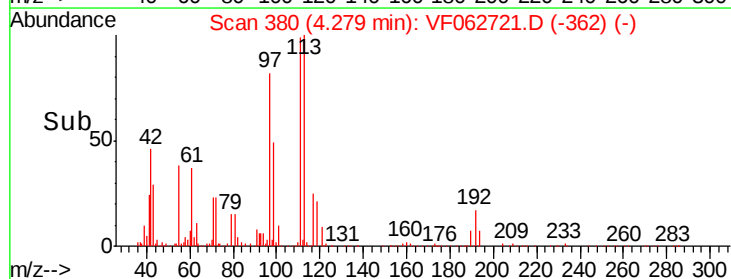
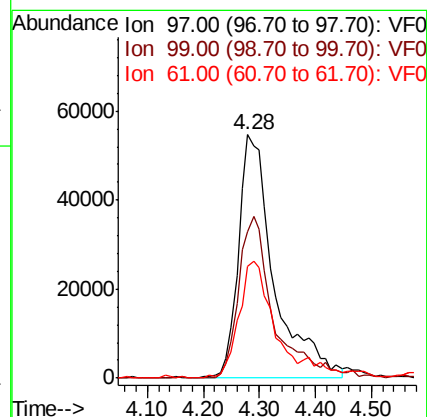
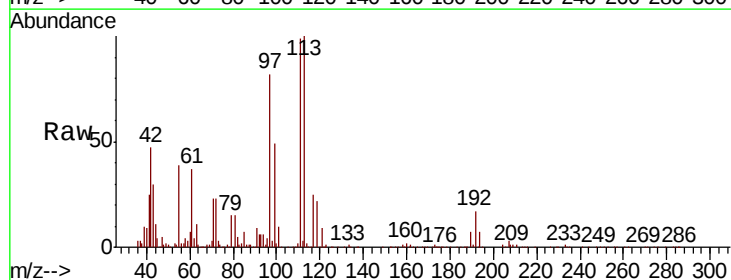
Instrument :
MSVOA_F
ClientSampleId :
VF0523SBS01

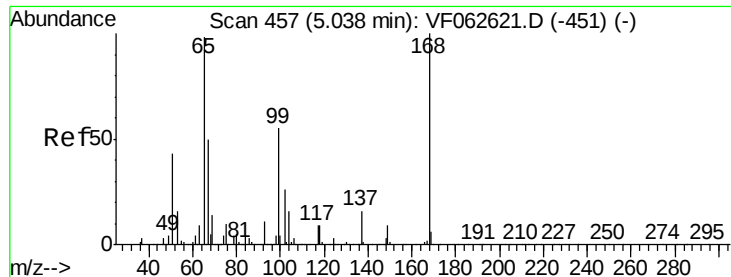
Tot Ion: 56 Resp: 312782
Ion Ratio Lower Upper
56 100
69 26.8 25.3 37.9
84 86.9 71.0 106.4



#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

ClientSampleId :

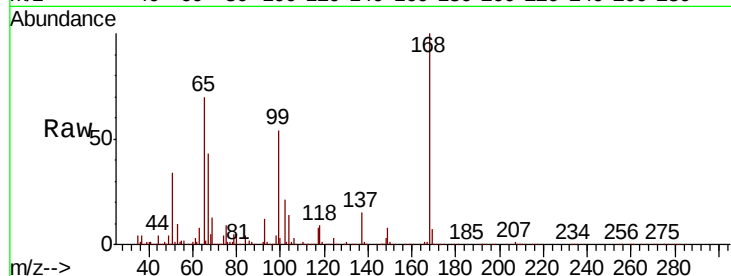
VF0523SBS01

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

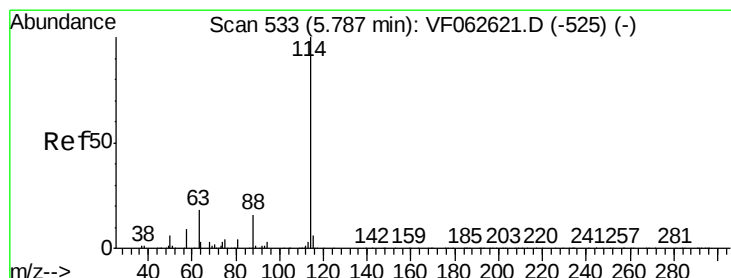
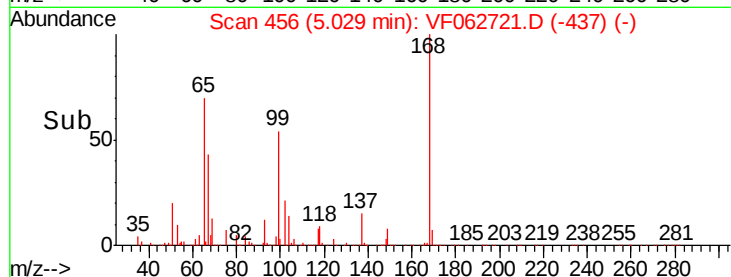
60000

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

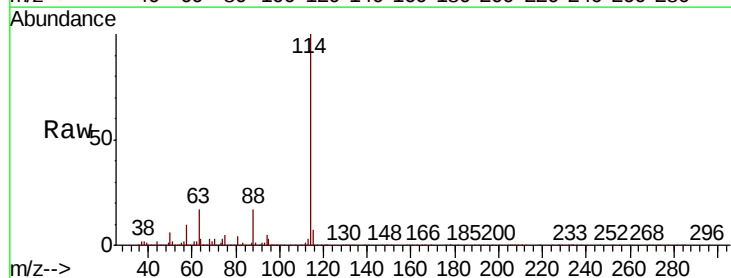
Tgt Ion: 114 Resp: 1340810

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

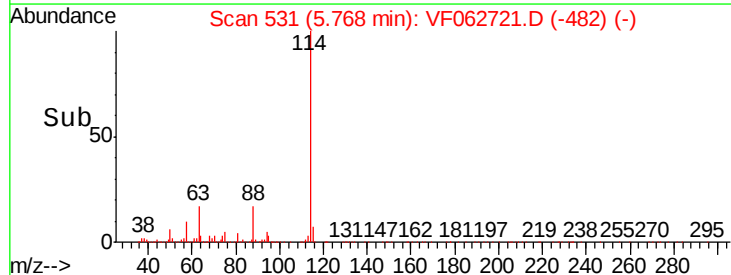
600000

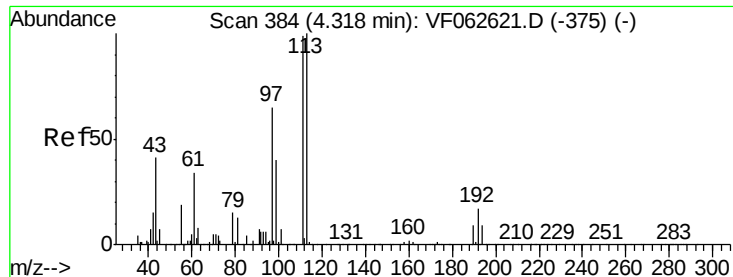
400000

200000

0

Time-->

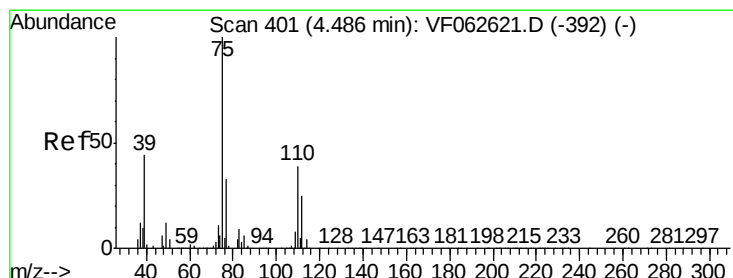
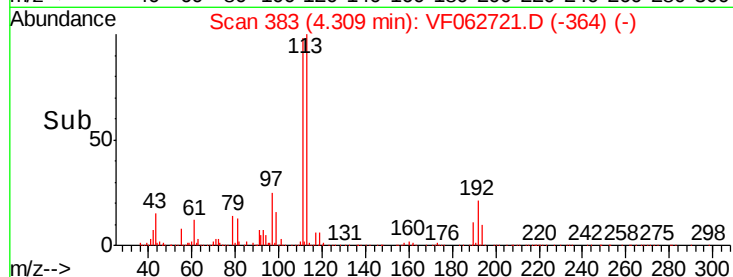
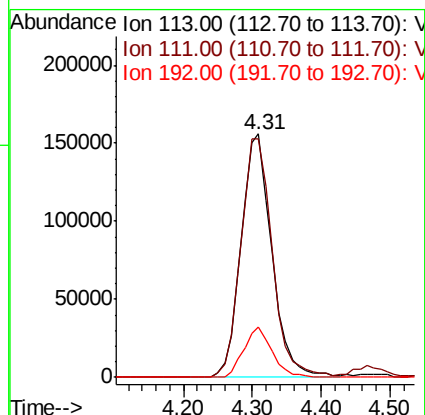
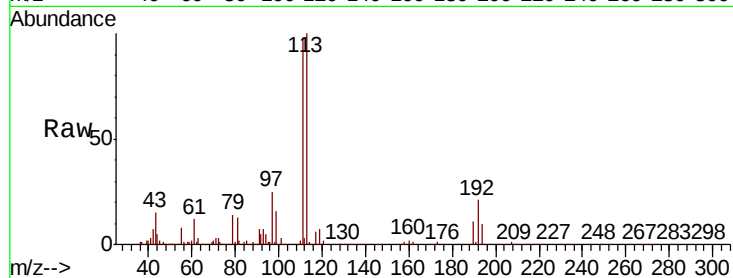




#35
 Dibromofluoromethane
 Concen: 47.129 ug/l
 RT: 4.31 min Scan# 383
 Delta R.T. -0.01 min
 Lab File: VF062721.D
 Acq: 23 May 2019 12:38

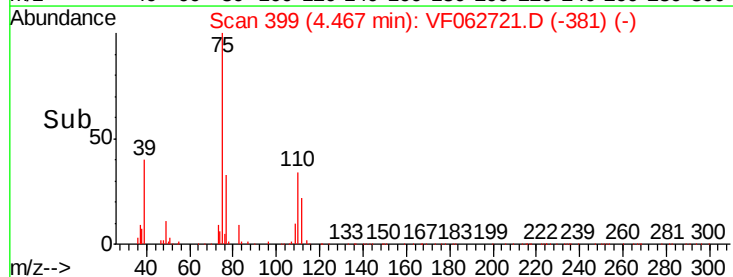
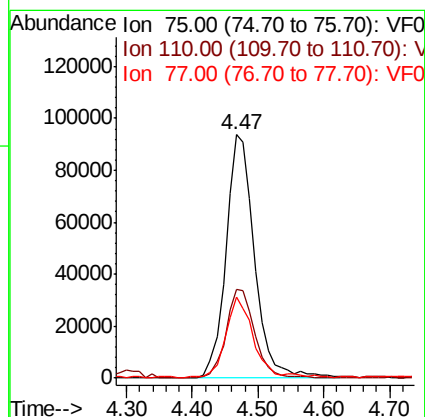
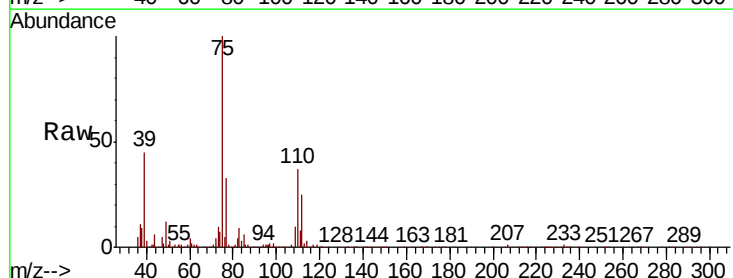
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0523SBS01

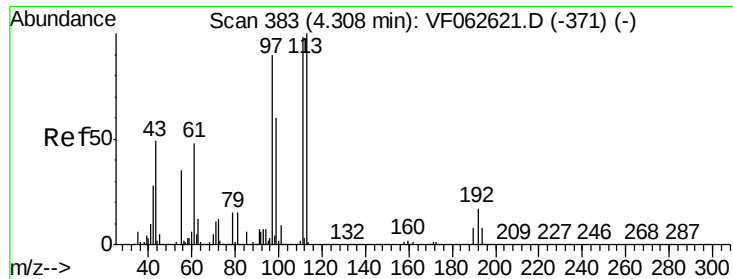
Tot Ion	Ratio	Lower	Upper
113	100		
111	97.9	79.4	119.2
192	20.5	13.4	20.2#



#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

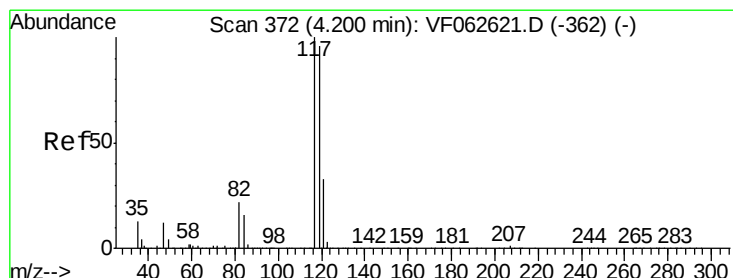
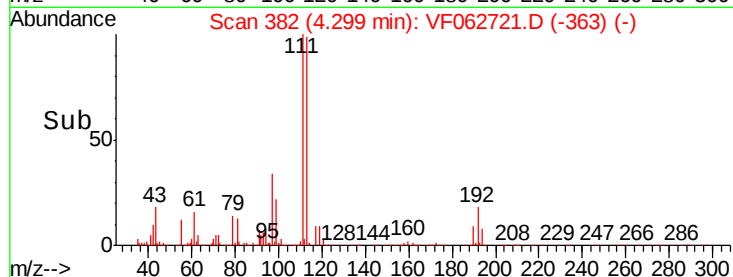
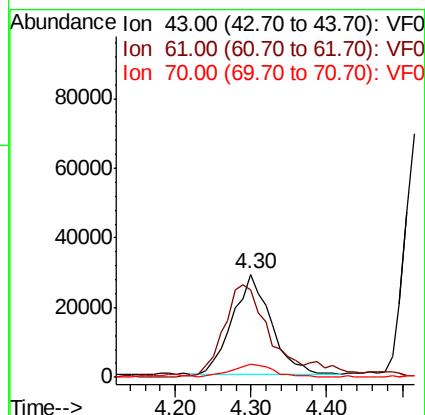
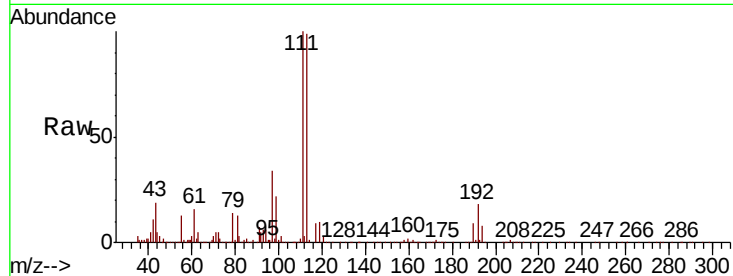




#37
Ethyl Acetate
Concen: 18.244 ug/l
RT: 4.30 min Scan# 382
Delta R.T. -0.01 min
Lab File: VF062721.D
Acq: 23 May 2019 12:38

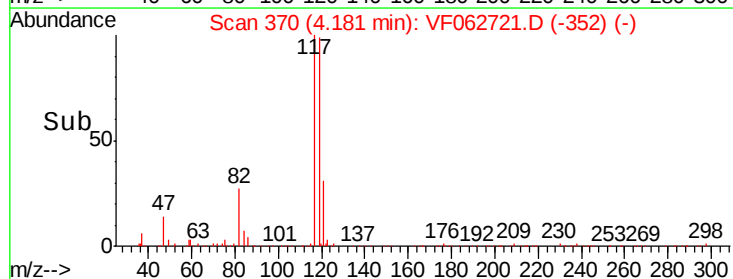
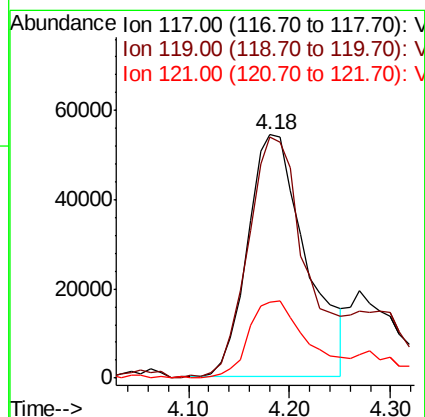
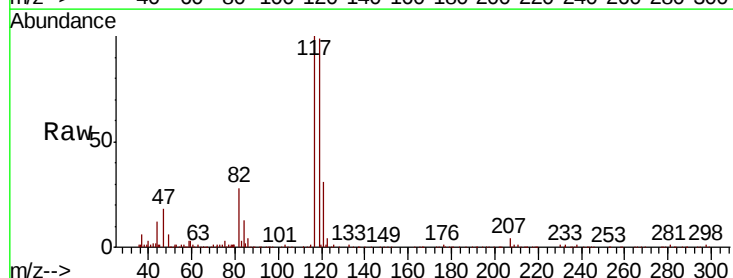
Instrument :
MSVOA_F
ClientSampleId :
VF0523SBS01

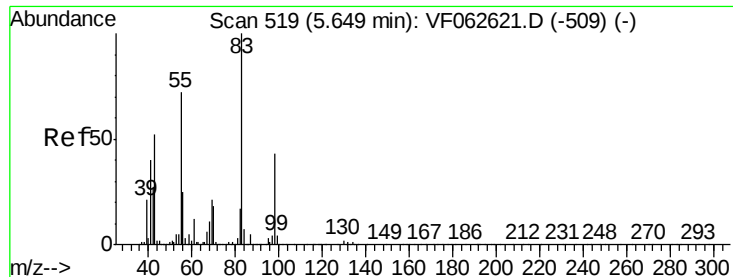
Tot Ion	43	Resp	102343
Ion Ratio	Lower	Upper	
43	100		
61	84.5	76.9	115.3
70	13.4	8.8	13.2#



#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

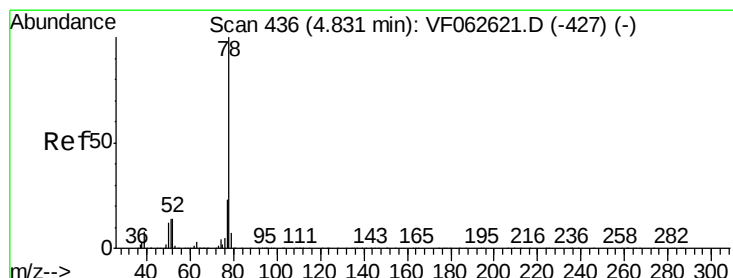
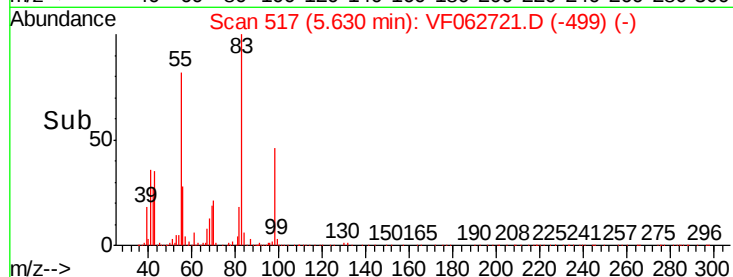
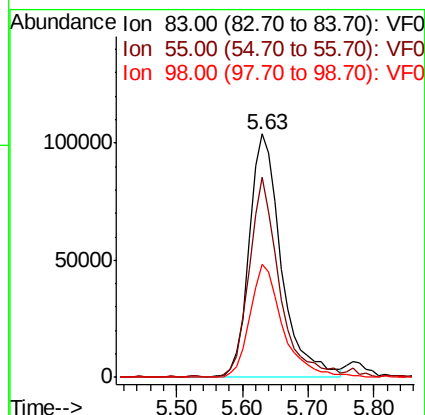
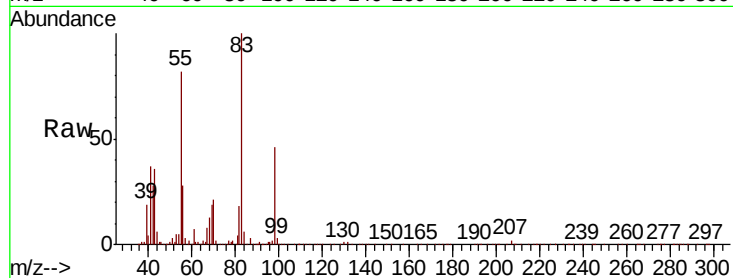




#39
Methvlcvclohexane
Concen: 21.533 ug/l
RT: 5.63 min Scan# 517
Delta R.T. -0.02 min
Lab File: VF062721.D
Acq: 23 May 2019 12:38

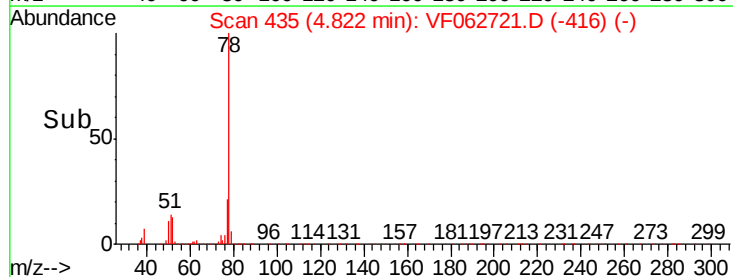
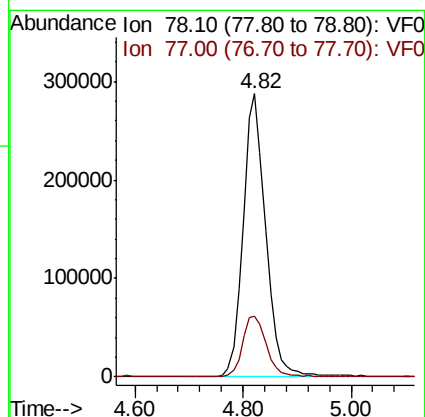
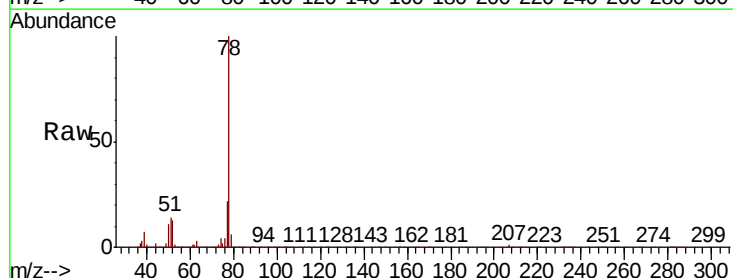
Instrument :
MSVOA_F
ClientSampleId :
VF0523SBS01

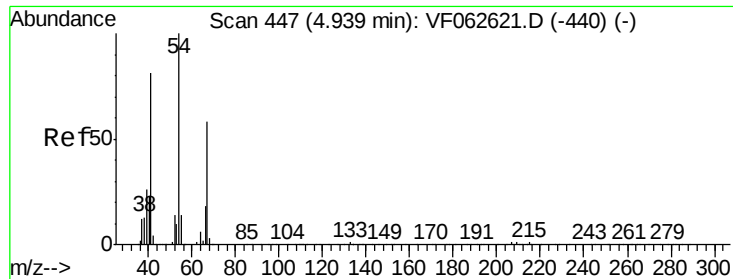
Tot Ion	Ratio	Lower	Upper
83	100		
55	82.2	57.9	86.9
98	46.4	34.6	52.0



#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	Ratio	Lower	Upper
78	100		
77	21.6	18.2	27.2

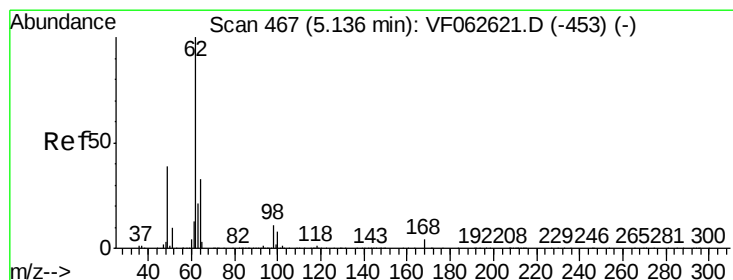
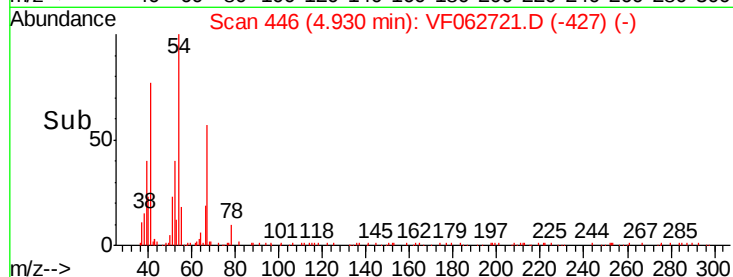
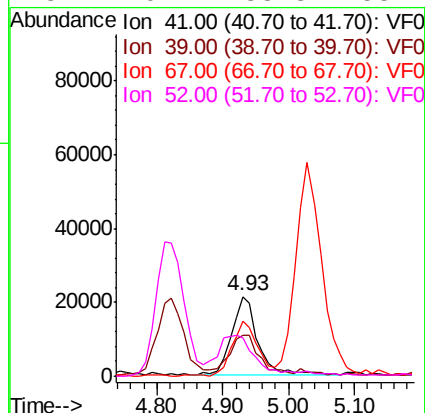
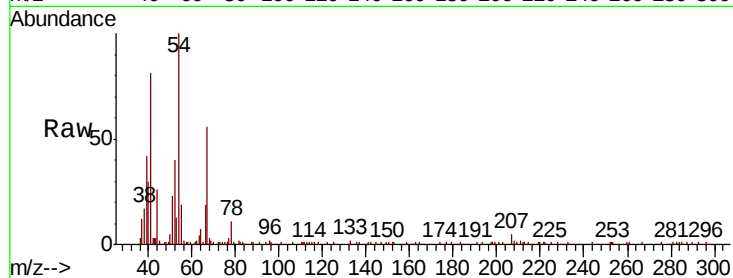




#41
Methacrylonitrile
Concen: 19.745 ug/l
RT: 4.93 min Scan# 446
Delta R.T. -0.01 min
Lab File: VF062721.D
Acq: 23 May 2019 12:38

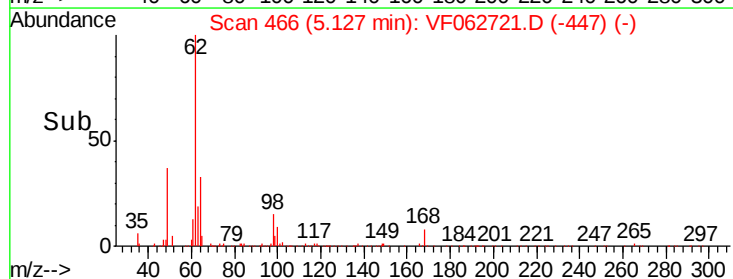
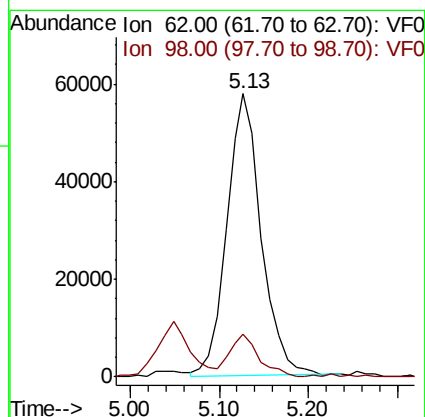
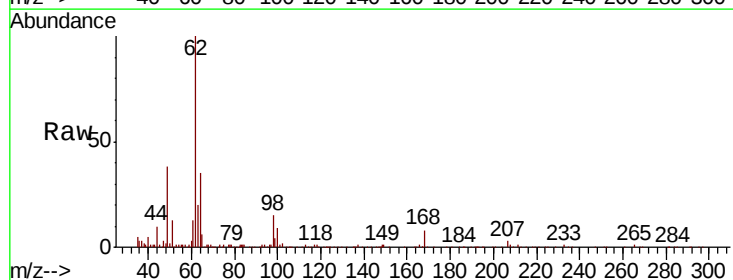
Instrument :
MSVOA_F
ClientSampleId :
VF0523SBS01

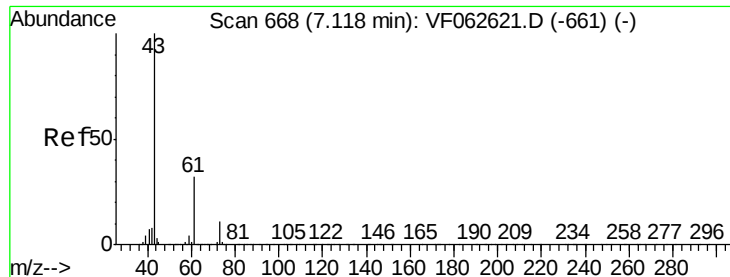
Tot Ion:	41	Resp:	58069
Ion	Ratio	Lower	Upper
41	100		
39	51.1	42.2	63.2
67	68.7	56.4	84.6
52	49.1	38.8	58.2



#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



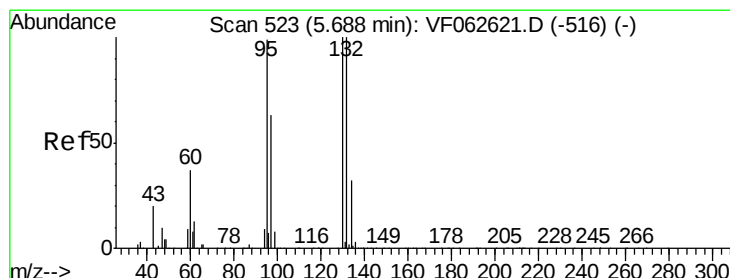
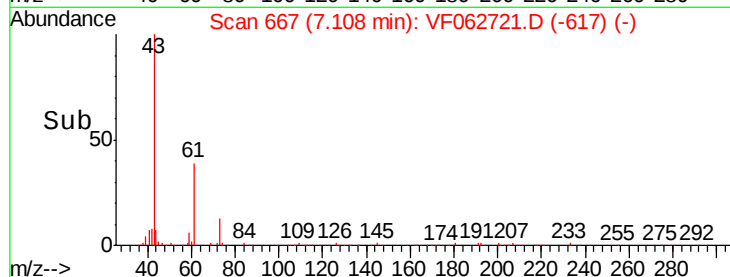
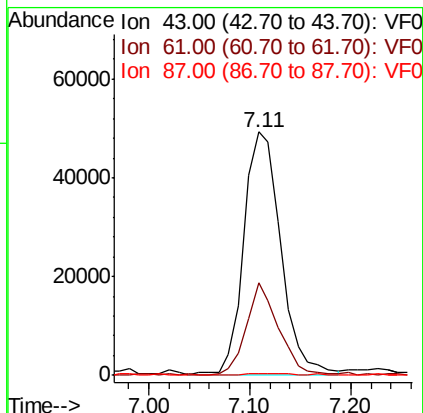
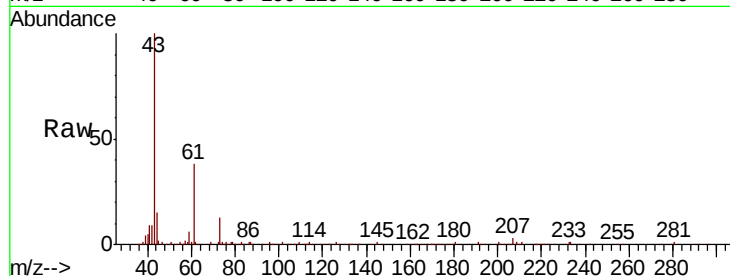


#43

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 :
 VF0523SBS01

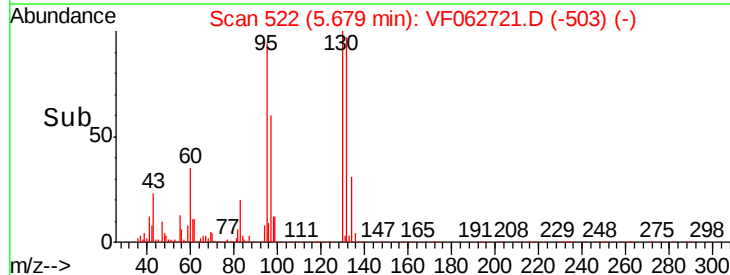
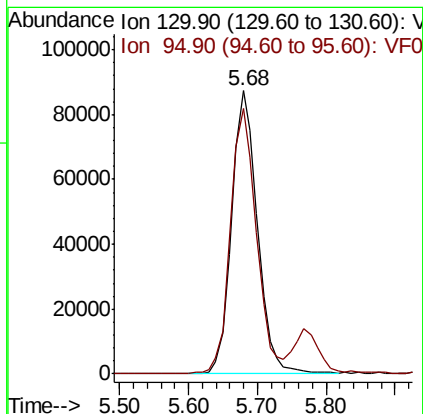
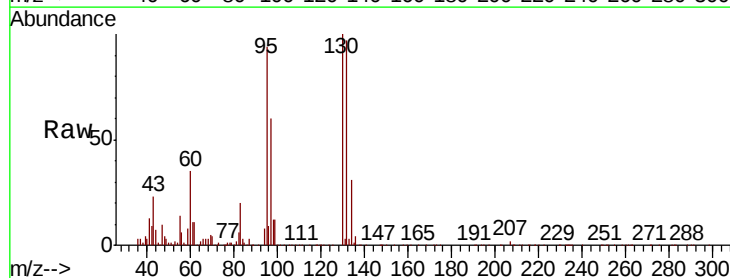
Tot Ion	43	Resp	126787
Ion Ratio	Lower	Upper	
43	100		
61	37.9	25.8	38.8
87	1.1	0.4	0.6

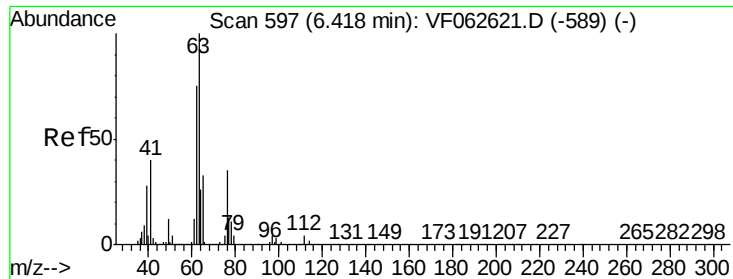


#44

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	130	Resp	227293
Ion Ratio	Lower	Upper	
130	100		
95	93.7	0.0	199.4

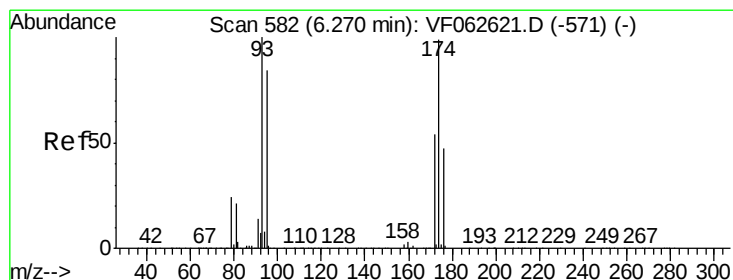
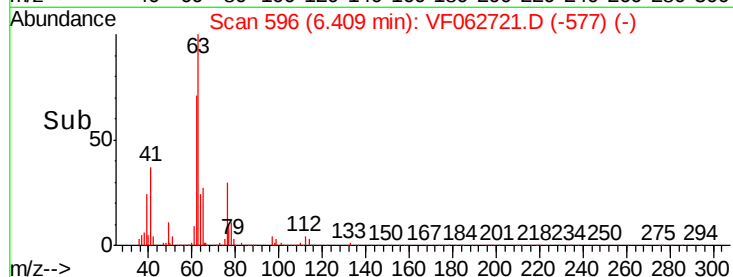
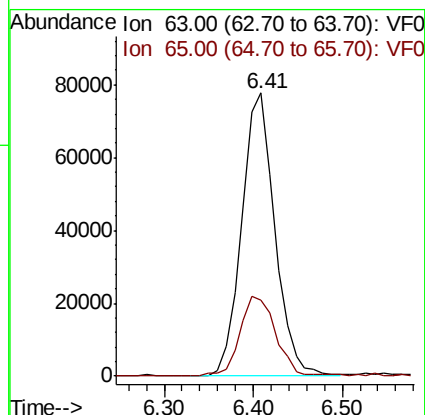
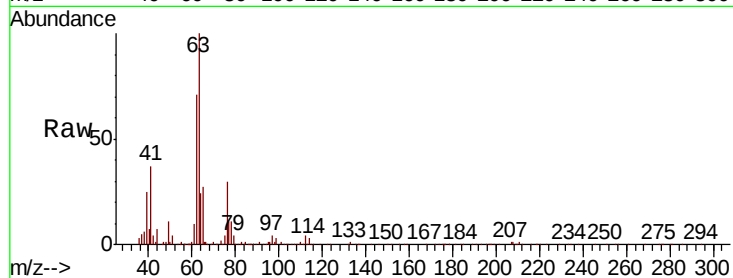




#45
 1,2-Dichloropropane
 Concen: 21.241 ug/l
 RT: 6.41 min Scan# 596
 Delta R.T. -0.01 min
 Lab File: VF062721.D
 Acq: 23 May 2019 12:38

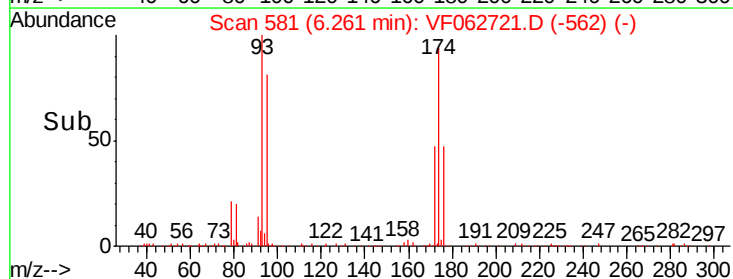
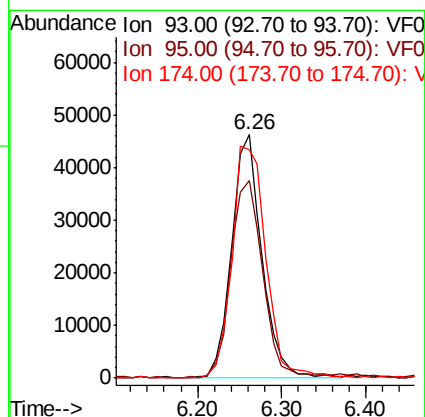
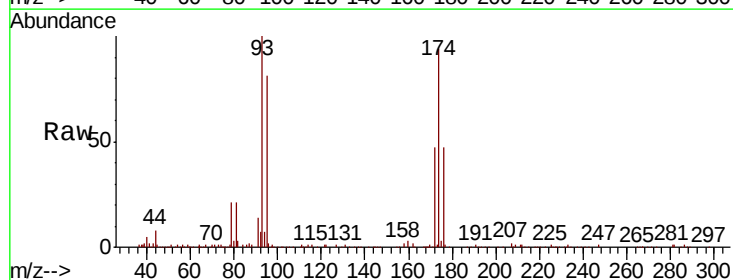
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0523SBS01

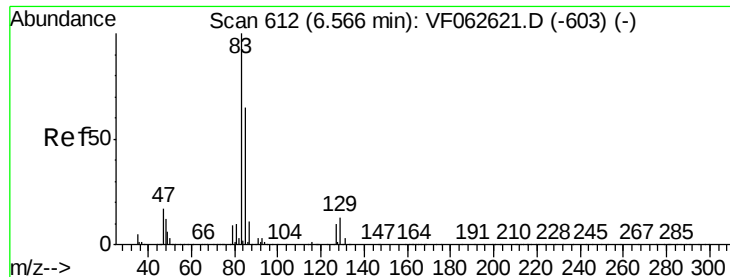
Tot Ion: 63 Resp: 200693
 Ion Ratio Lower Upper
 63 100
 65 27.0 26.3 39.5



#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 :

VF0523SBS01

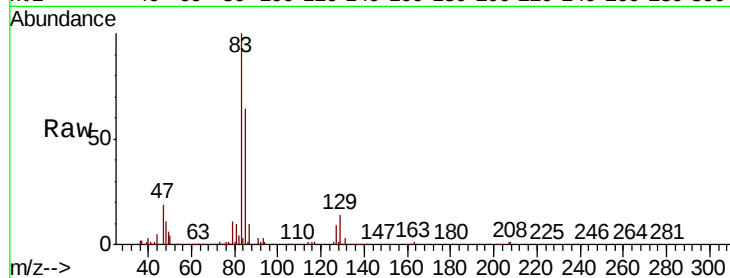
Tot Ion: 83 Resp: 238417

Ion Ratio Lower Upper

83 100

85 63.7 52.0 78.0

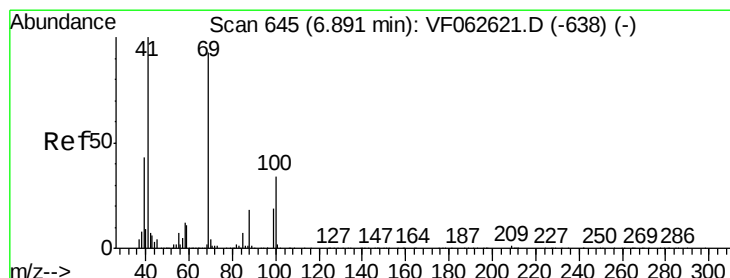
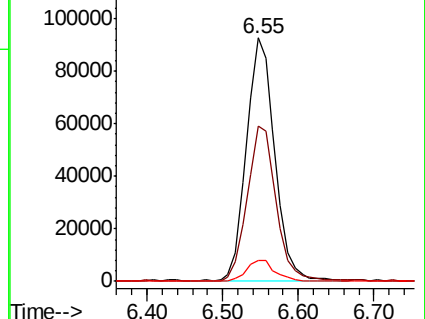
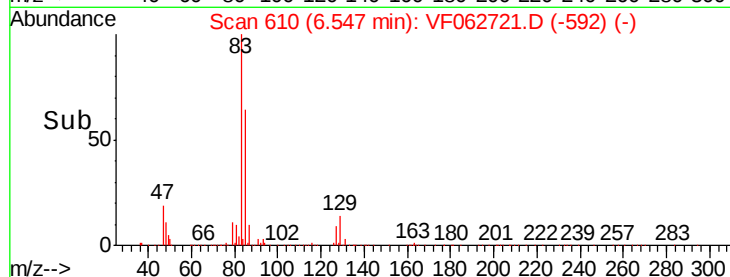
127 8.6 7.7 11.5



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

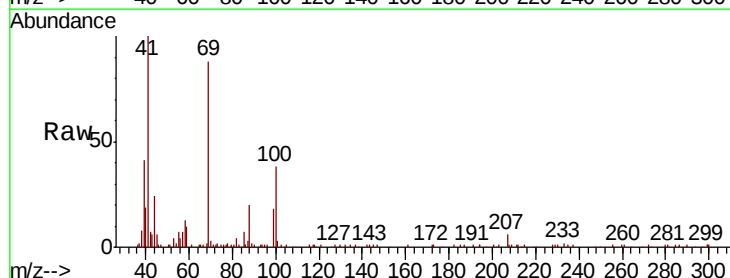
Tgt Ion: 41 Resp: 65011

Ion Ratio Lower Upper

41 100

69 88.2 74.2 111.2

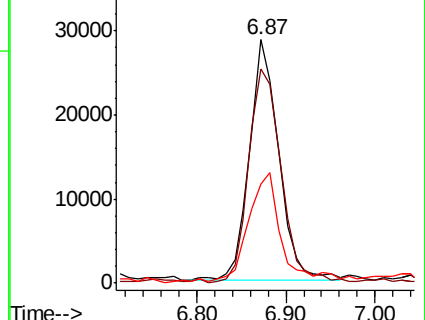
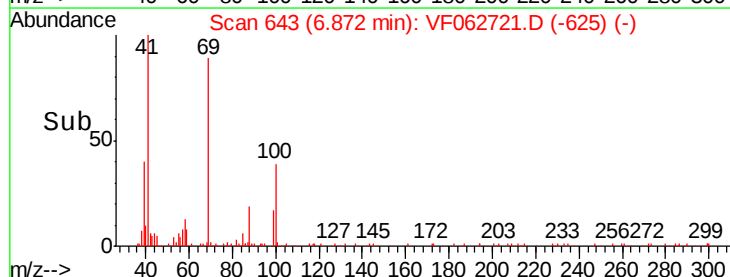
39 40.8 34.2 51.4

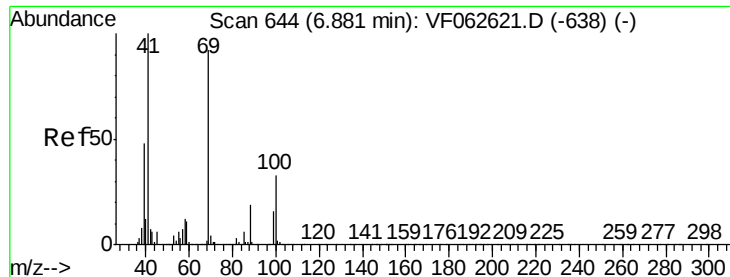


Abundance Ion 41.00 (40.70 to 41.70): VF0

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 :

VF0523SBS01

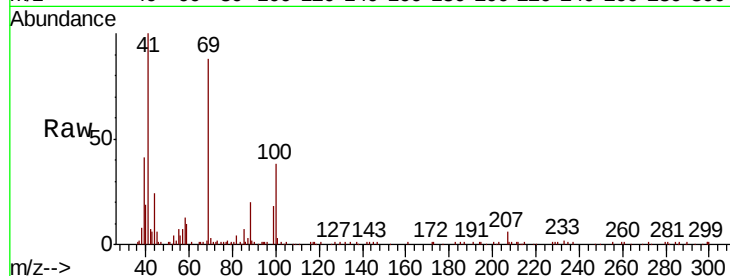
Tot Ion: 88 Resp: 17133

Ion	Ratio	Lower	Upper
88	100		
43	31.1	30.0	45.0
58	63.6	51.1	76.7

88 100

43 31.1 30.0 45.0

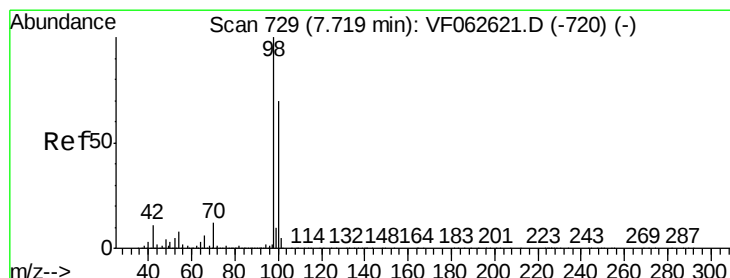
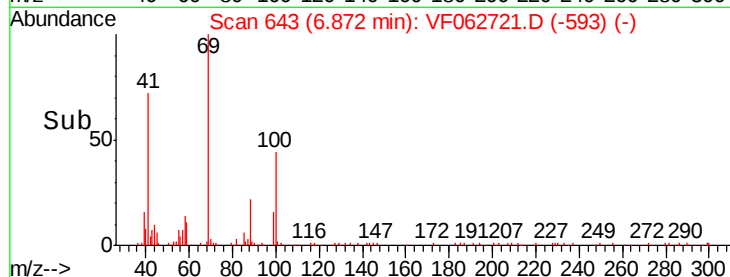
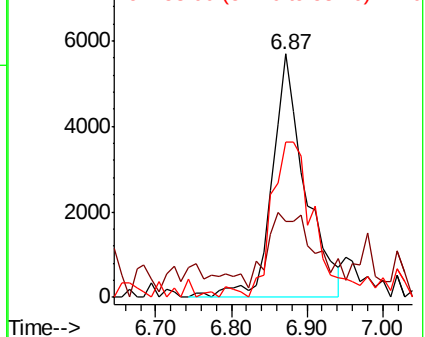
58 63.6 51.1 76.7



Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#50

Toluene-d8

Concen: 43.320 ug/l

RT: 7.71 min Scan# 728

Delta R.T. -0.01 min

Lab File: VF062721.D

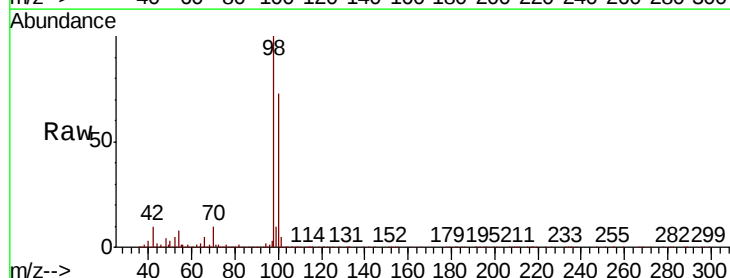
Acq: 23 May 2019 12:38

Tgt Ion: 98 Resp: 1061208

Ion	Ratio	Lower	Upper
98	100		
100	72.7	56.2	84.2

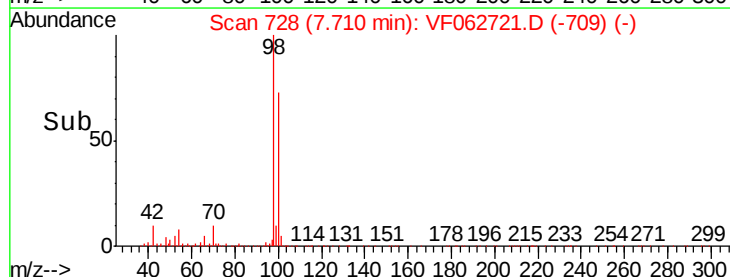
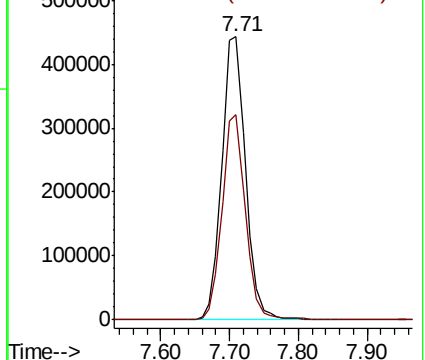
98 100

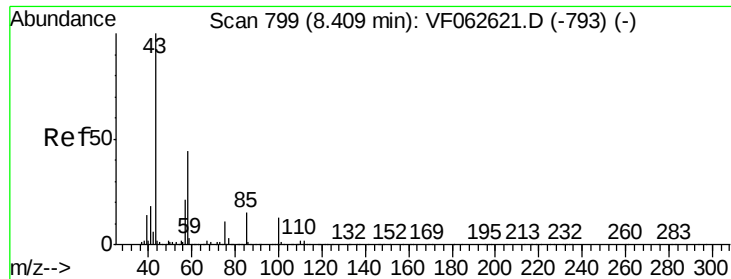
100 72.7 56.2 84.2



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#51

4-Methyl-2-Pentanone

Concen: 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

ClientSampleId :

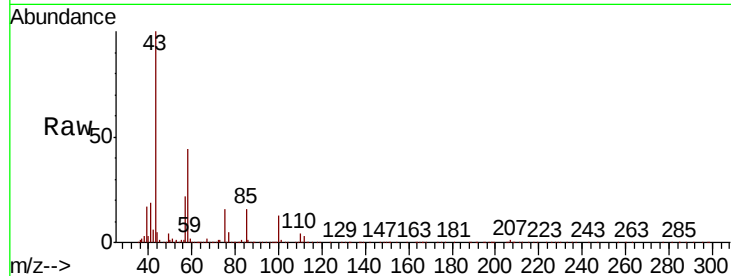
VF0523SBS01

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

8.40

200000

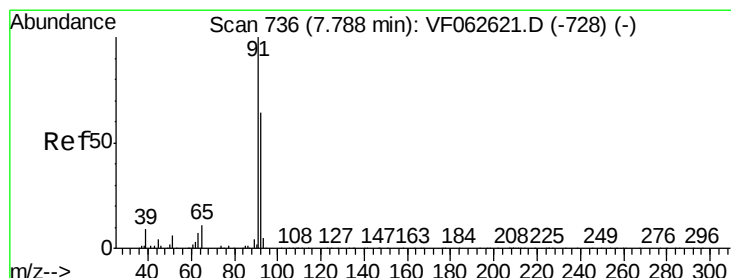
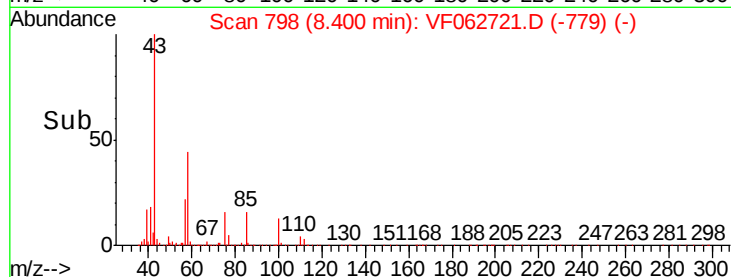
150000

100000

50000

0

Time--> 8.20 8.30 8.40 8.50



#52

Toluene

Concen: 20.661 ug/l

RT: 7.78 min Scan# 735

Delta R.T. -0.01 min

Lab File: VF062721.D

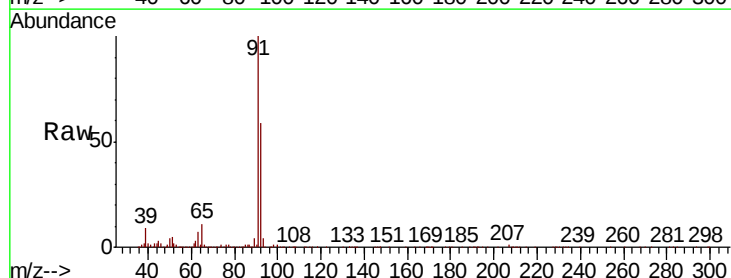
Acq: 23 May 2019 12:38

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

7.78

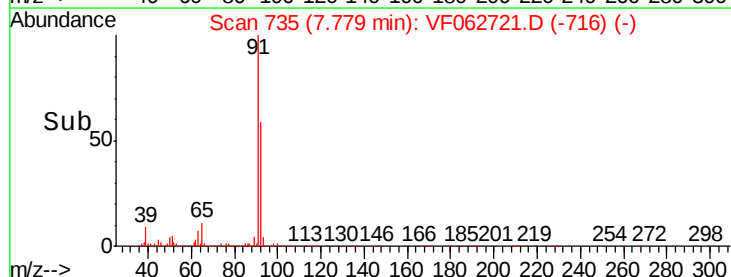
300000

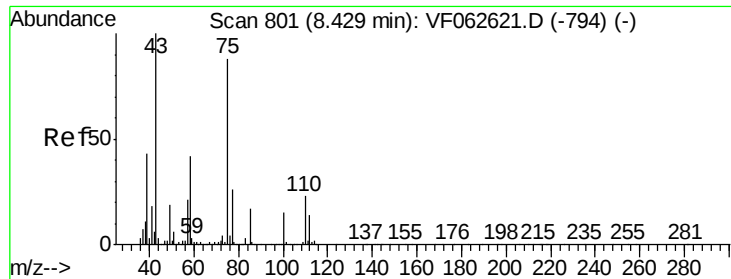
200000

100000

0

Time--> 7.70 7.80 7.90

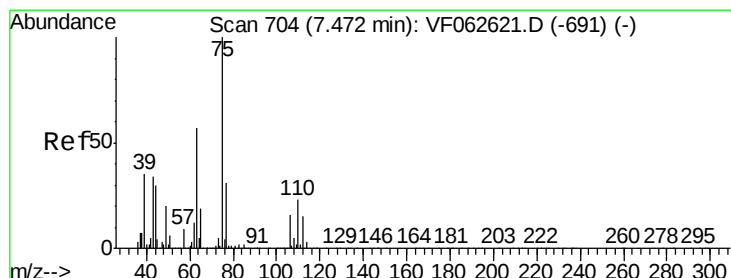
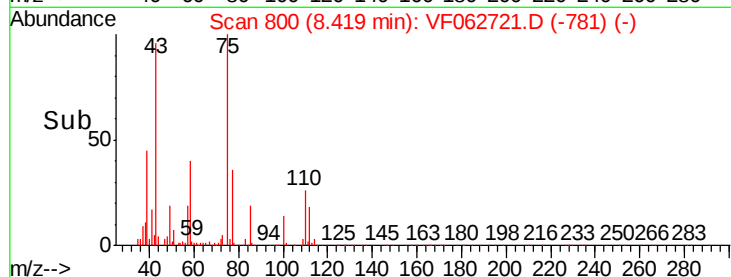
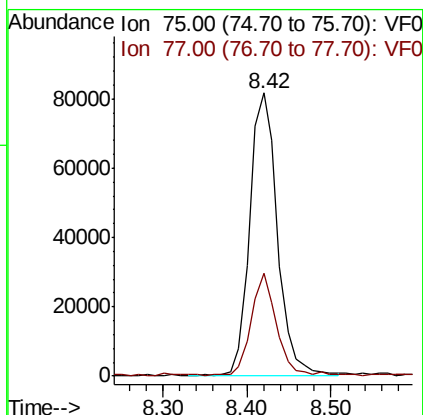
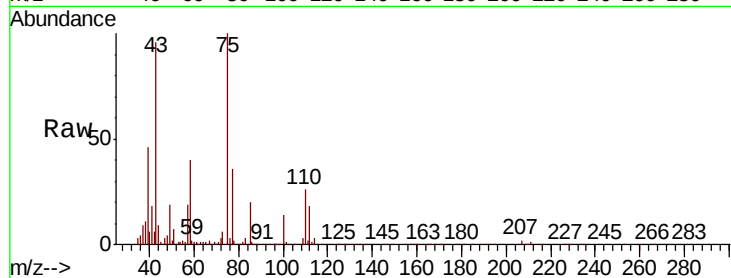




#53
 t-1,3-Dichloropropene
 Concen: 20.249 ug/l
 RT: 8.42 min Scan# 800
 Delta R.T. -0.01 min
 Lab File: VF062721.D
 Acq: 23 May 2019 12:38

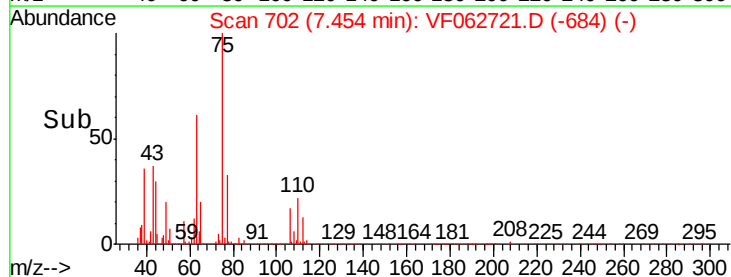
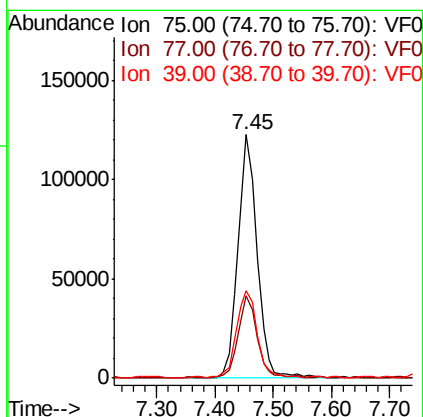
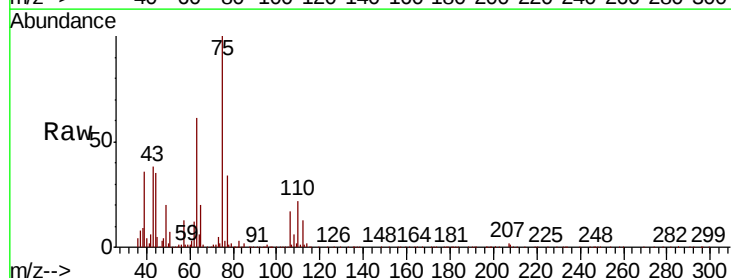
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0523SBS01

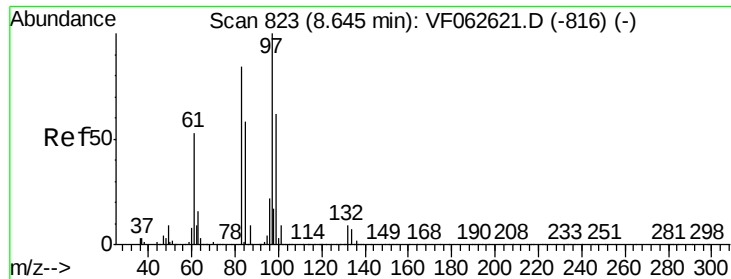
Tot Ion: 75 Resp: 187792
 Ion Ratio Lower Upper
 75 100
 77 36.3 24.2 36.4



#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 :

VF0523SBS01

Tot Ion: 97 Resp: 117879

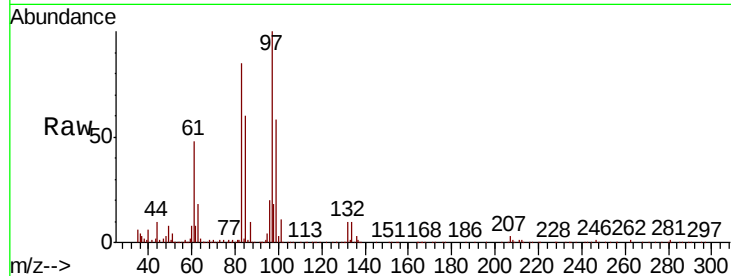
Ion Ratio Lower Upper

97 100

83 85.1 67.3 100.9

85 60.1 46.6 69.8

99 57.9 49.7 74.5

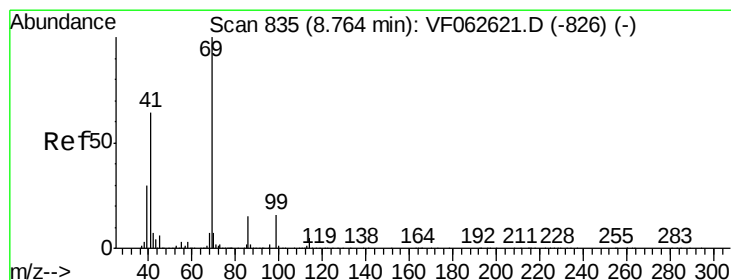
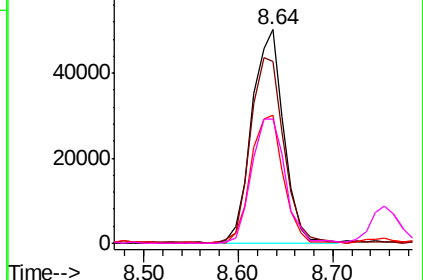
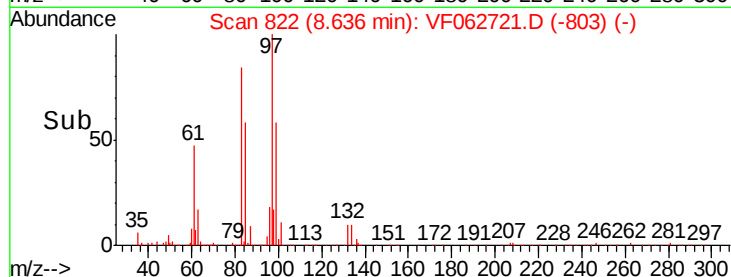


Abundance Ion 97.00 (96.70 to 97.70): VF0

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

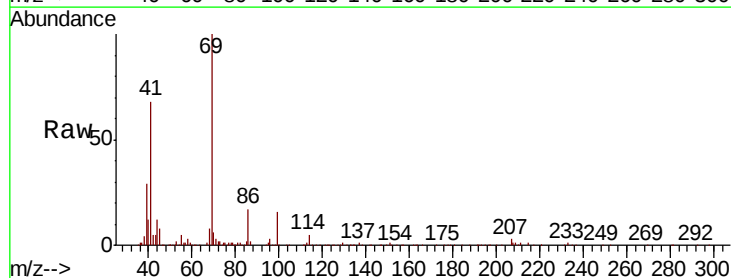
Tgt Ion: 69 Resp: 121110

Ion Ratio Lower Upper

69 100

41 67.9 51.4 77.2

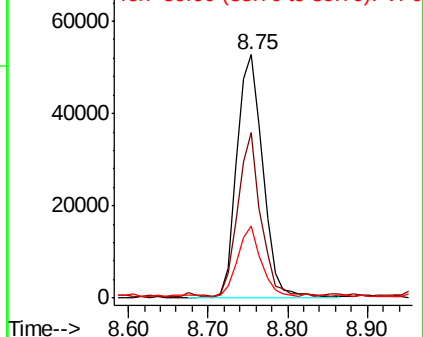
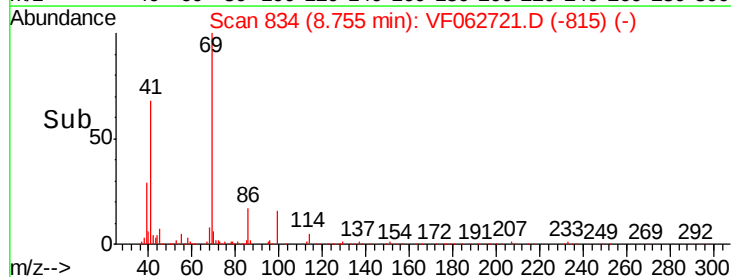
39 29.5 23.6 35.4

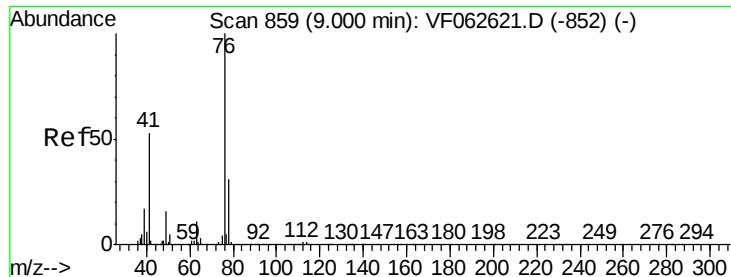


Abundance Ion 69.00 (68.70 to 69.70): VF0

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 :

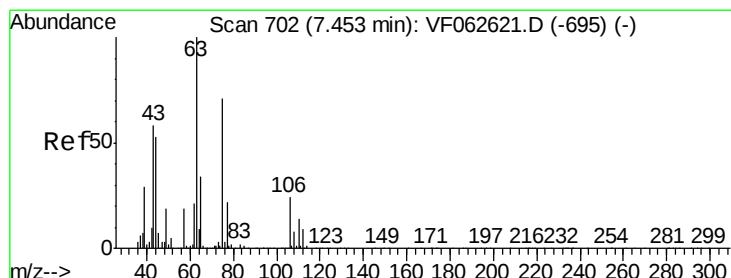
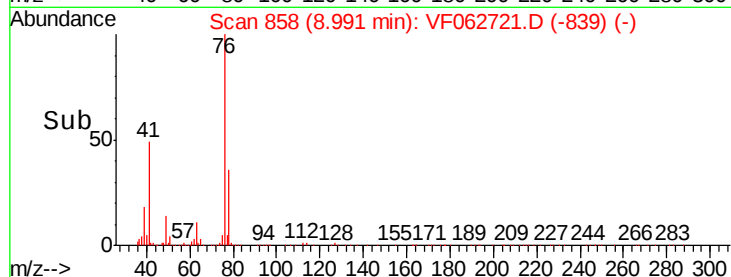
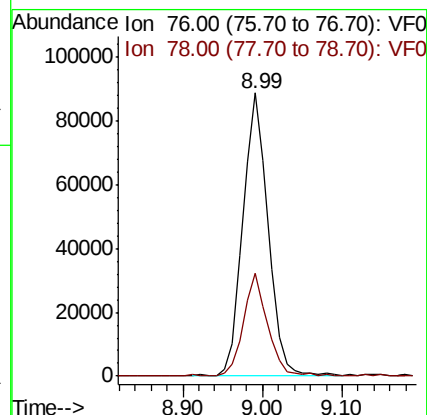
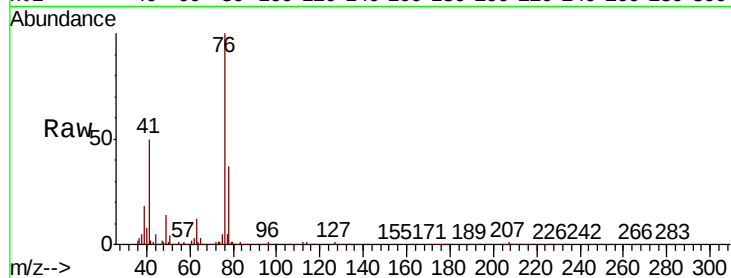
VF0523SBS01

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

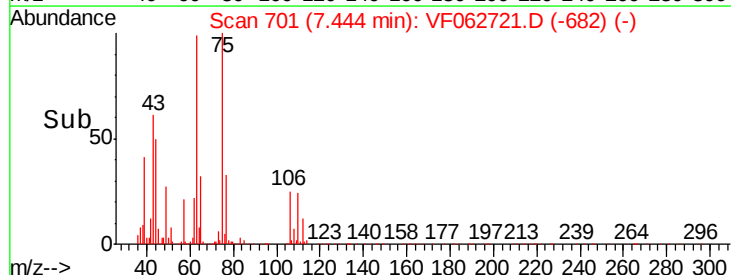
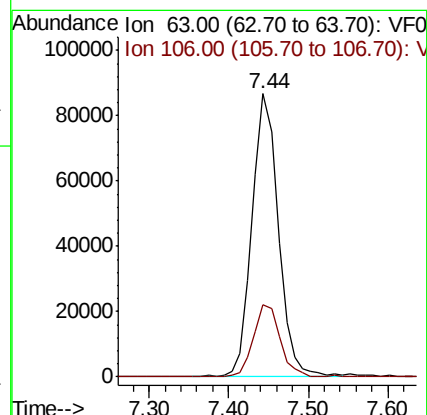
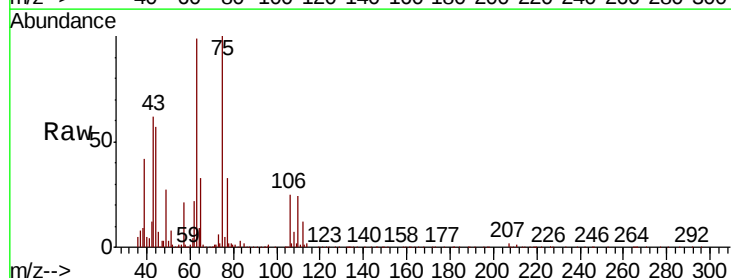
Acq: 23 May 2019 12:38

Tgt Ion: 63 Resp: 198298

Ion Ratio Lower Upper

63 100

106 25.3 19.1 28.7

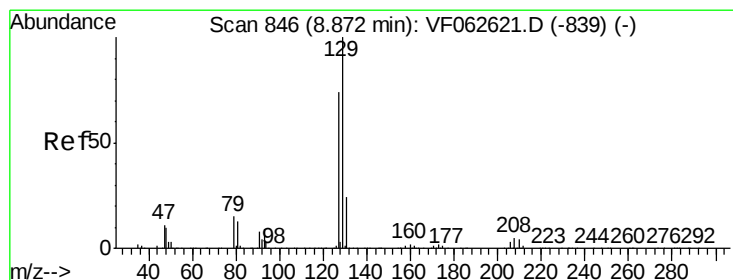
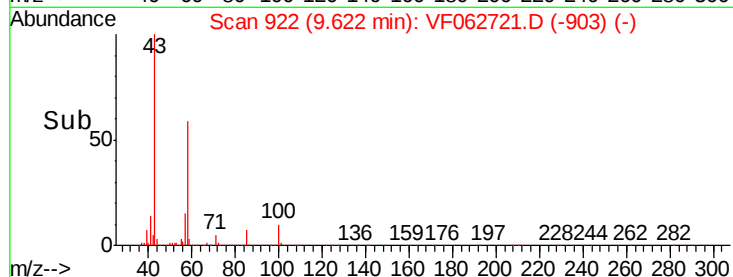
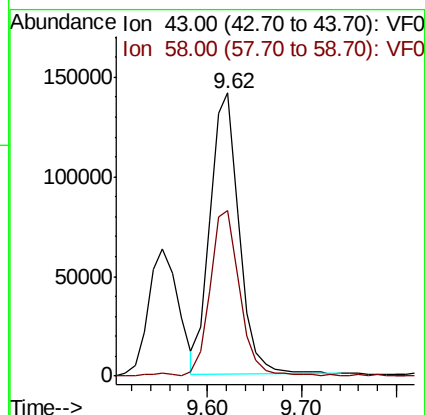
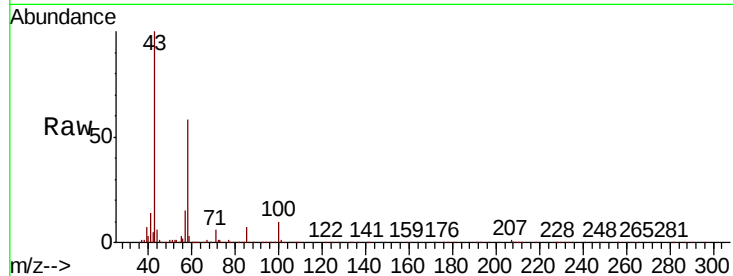




#59
2-Hexanone
Concen: 81.120 ug/l
RT: 9.62 min Scan# 922
Delta R.T. -0.01 min
Lab File: VF062721.D
Acq: 23 May 2019 12:38

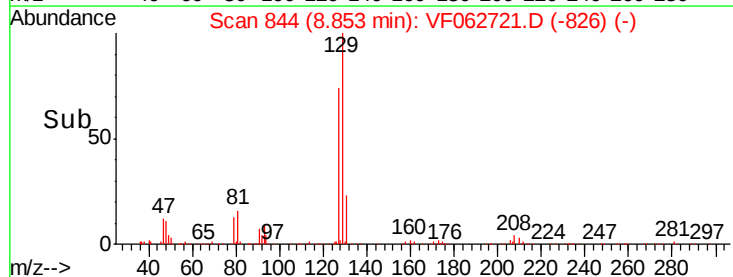
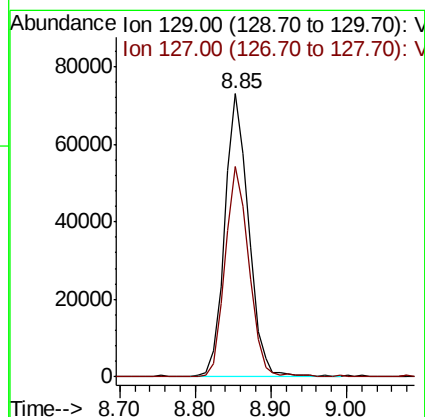
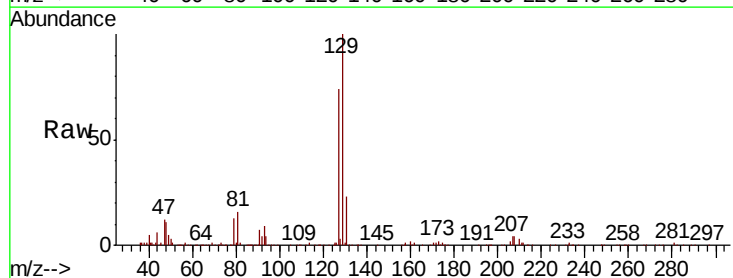
Instrument :
MSVOA_F
ClientSampleId :
VF0523SBS01

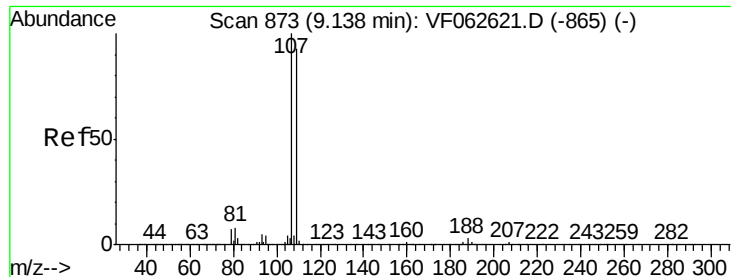
Tot Ion: 43 Resp: 301102
Ion Ratio Lower Upper
43 100
58 58.5 28.1 84.4



#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 :

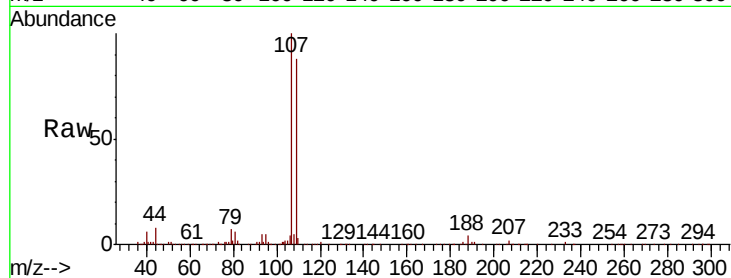
VF0523SBS01

Tot Ion:107 Resp: 130009

Ion Ratio Lower Upper

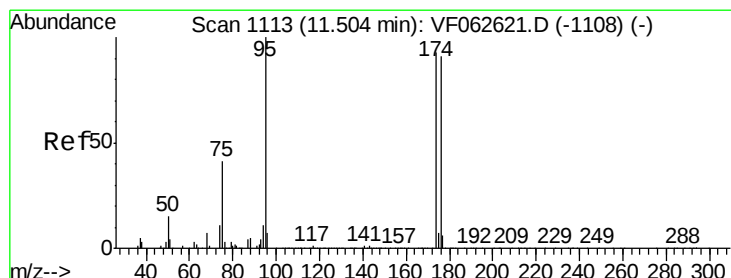
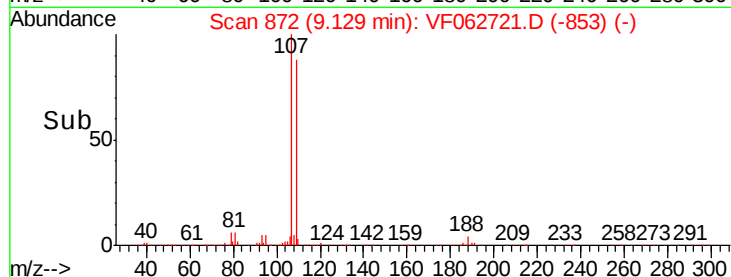
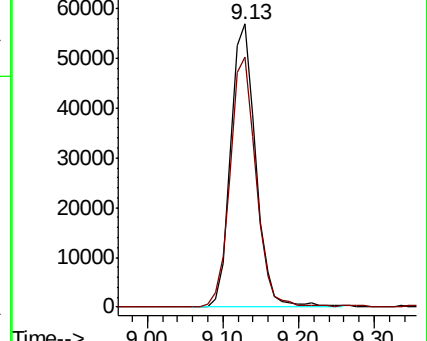
107 100

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



#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

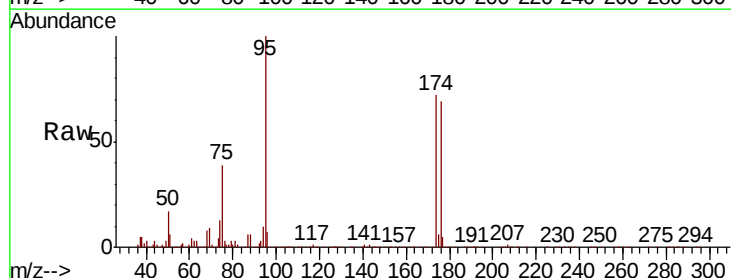
Tgt Ion: 95 Resp: 375422

Ion Ratio Lower Upper

95 100

174 72.3 0.0 185.6

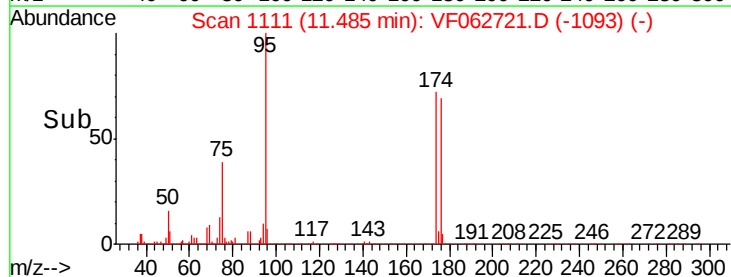
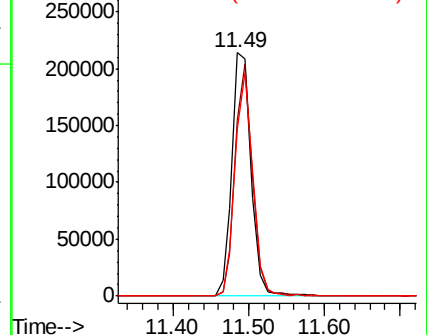
176 68.6 0.0 182.4



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

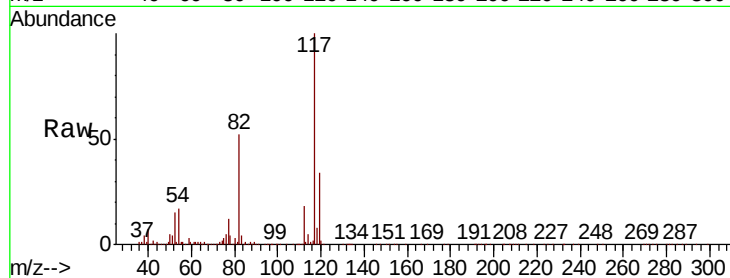




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 951
Delta R.T. -0.01 min
Lab File: VF062721.D
Acq: 23 May 2019 12:38

Instrument :
MSVOA_F
ClientSampleId :
VF0523SBS01

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

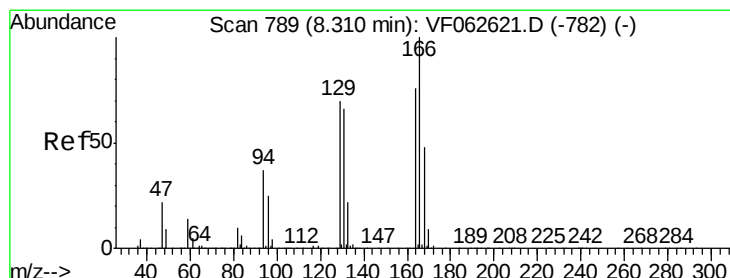
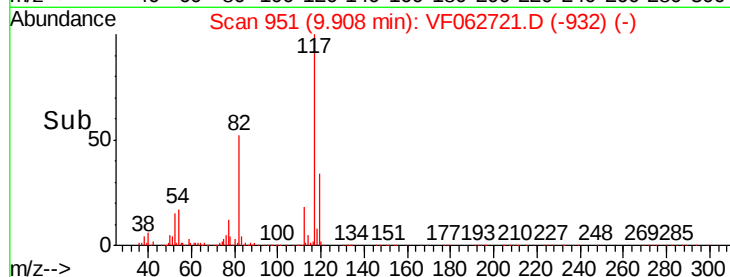
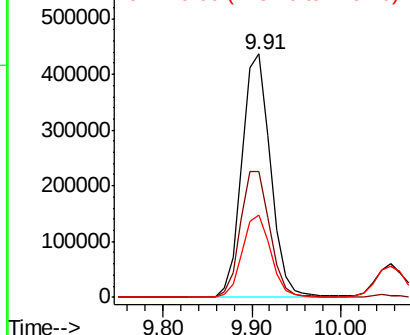


Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V



#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

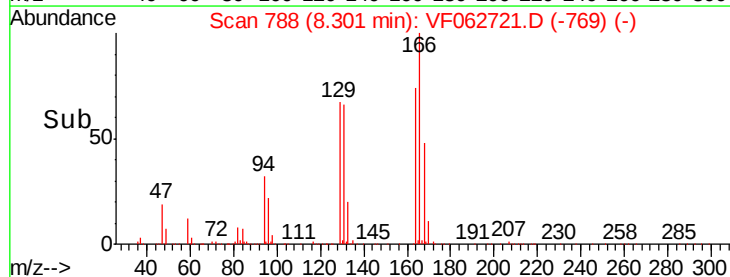
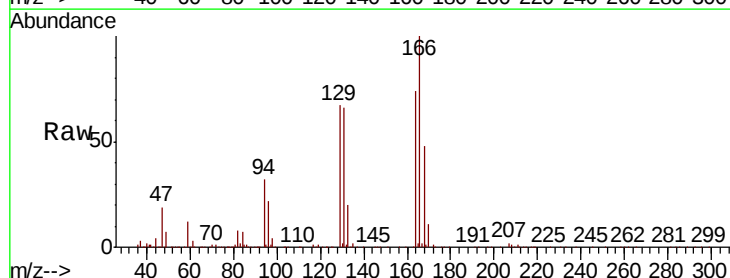
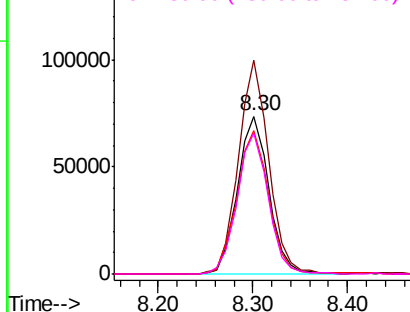
Abundance

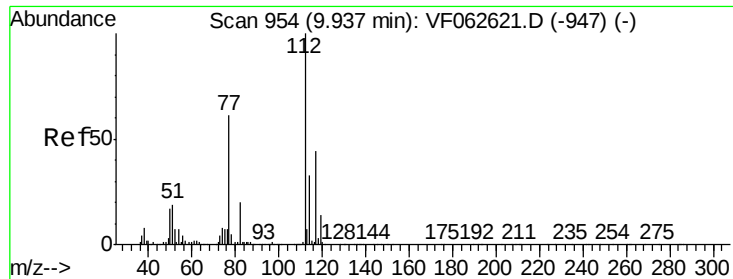
Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V

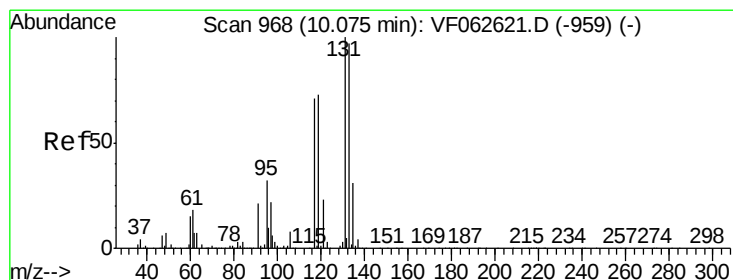
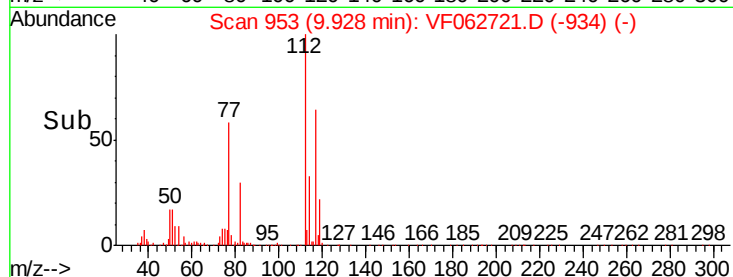
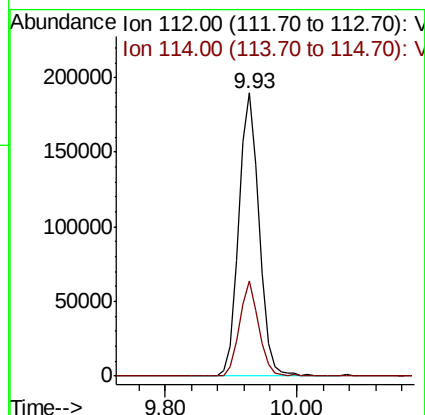
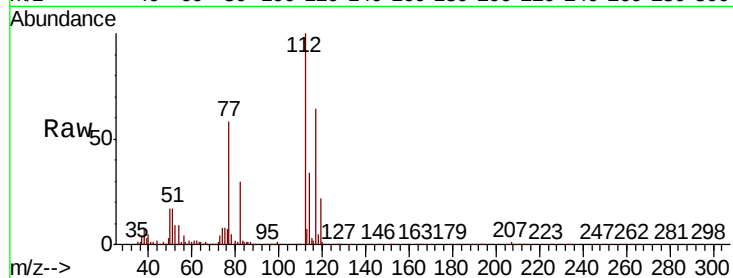




#65
Chlorobenzene
Concen: 21.598 ug/l
RT: 9.93 min Scan# 953
Delta R.T. -0.01 min
Lab File: VF062721.D
Acq: 23 May 2019 12:38

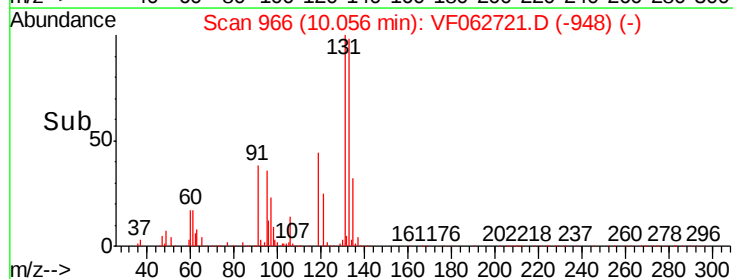
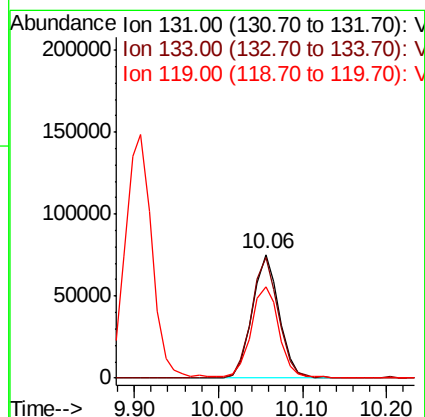
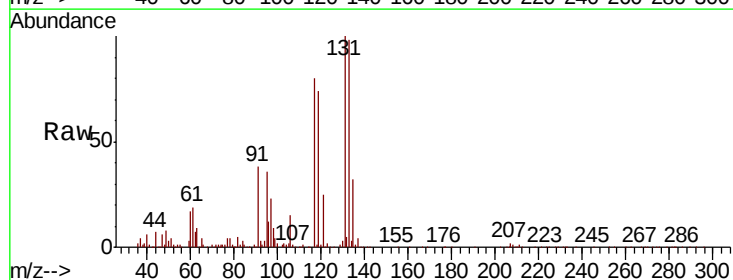
Instrument :
MSVOA_F
ClientSampleId :
VF0523SBS01

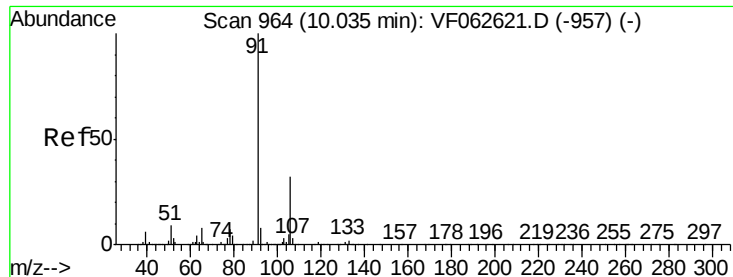
Tot Ion:112 Resp: 413400
Ion Ratio Lower Upper
112 100
114 33.5 26.8 40.2



#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 :

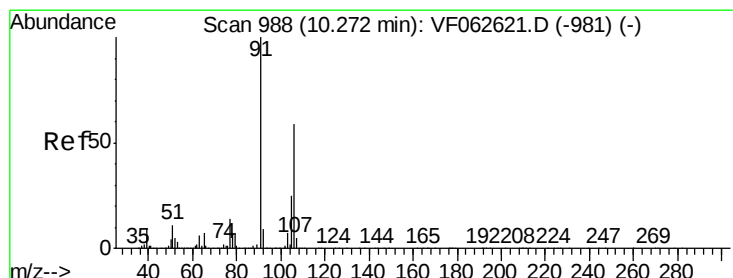
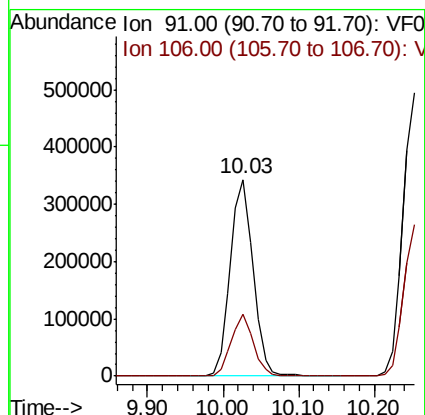
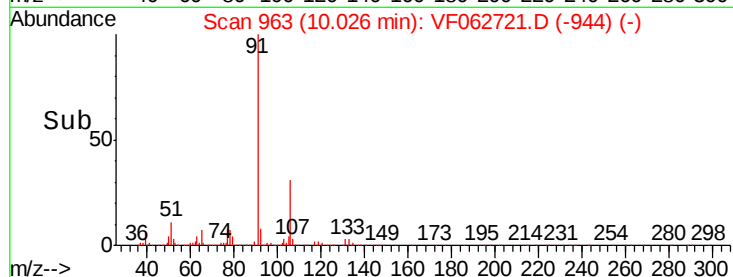
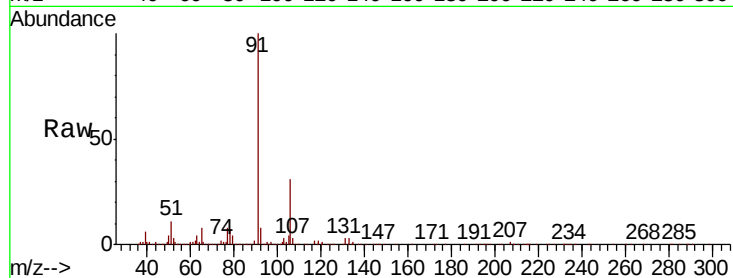
VF0523SBS01

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

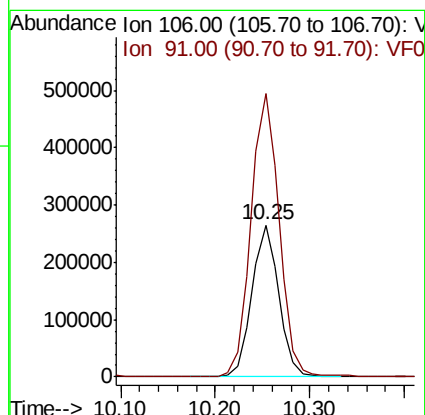
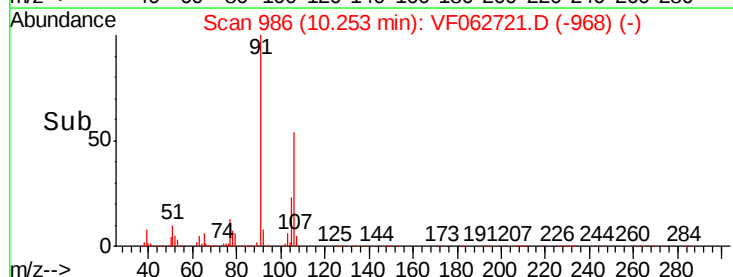
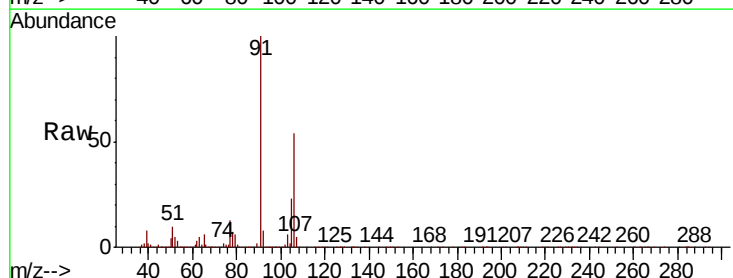
Acq: 23 May 2019 12:38

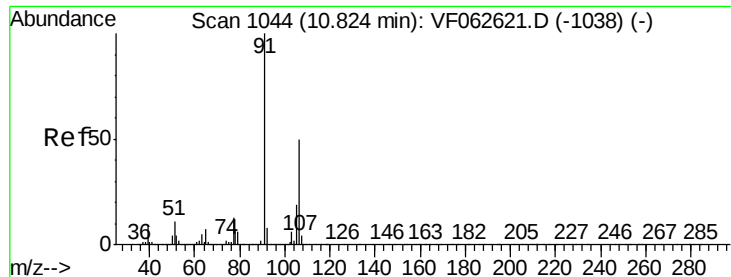
Tgt Ion: 106 Resp: 525002

Ion Ratio Lower Upper

106 100

91 186.3 136.9 205.3

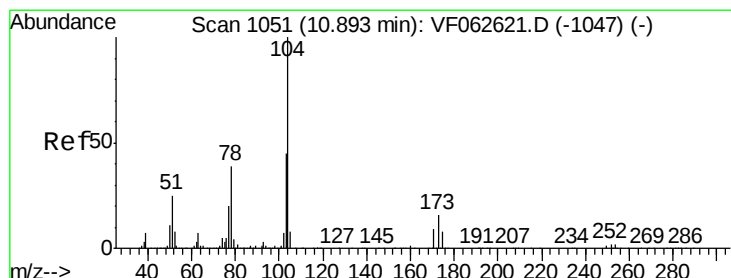
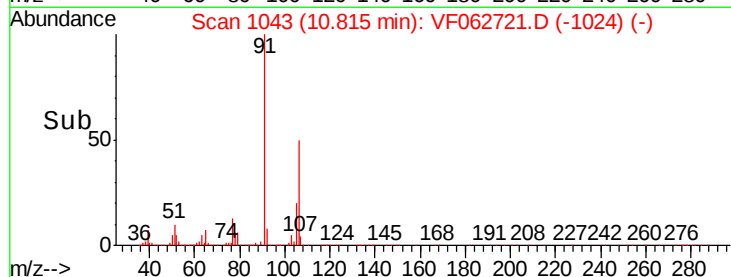
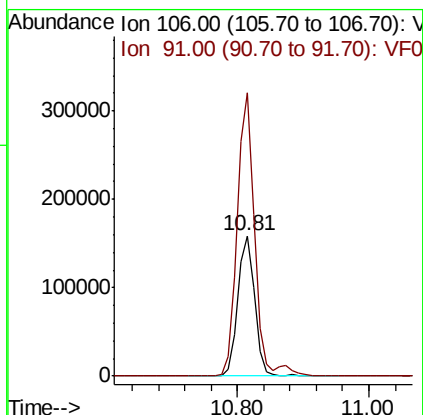
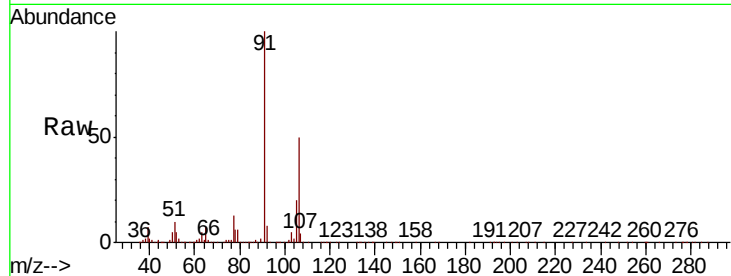




#69
o-Xylene
Concen: 22.489 ug/l
RT: 10.81 min Scan# 1043
Delta R.T. -0.01 min
Lab File: VF062721.D
Acq: 23 May 2019 12:38

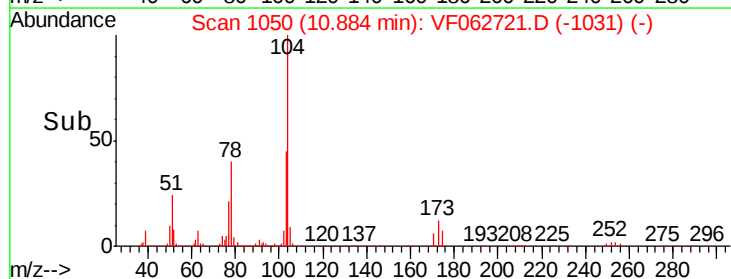
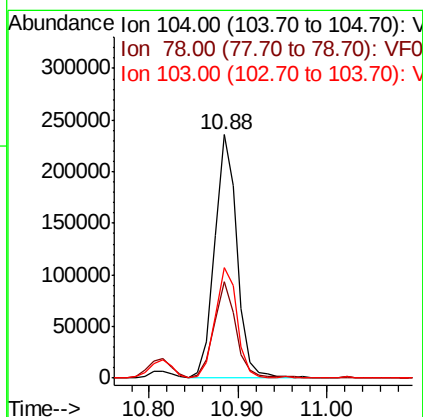
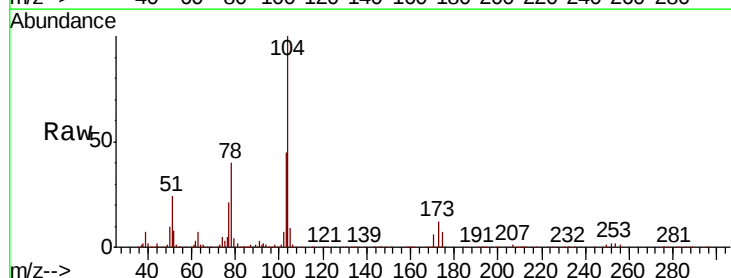
Instrument :
MSVOA_F
ClientSampleId :
VF0523SBS01

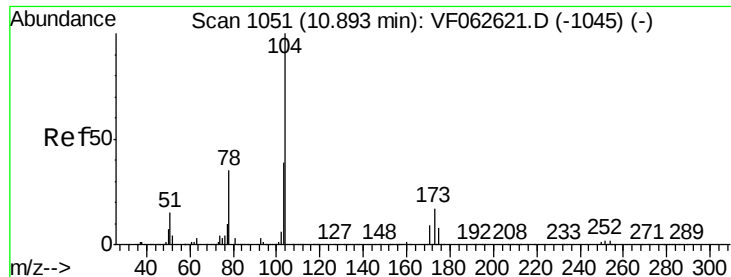
Tot Ion:106 Resp: 289484
Ion Ratio Lower Upper
106 100
91 201.3 100.2 300.5



#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 :

VF0523SBS01

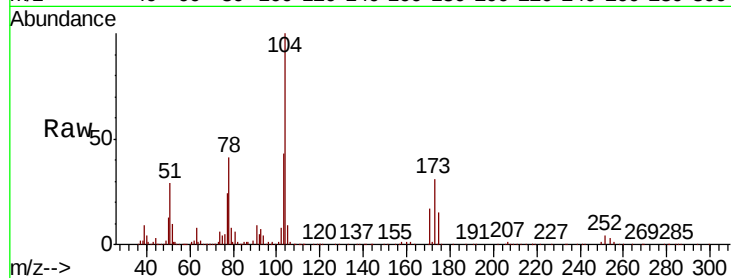
Tot Ion:173 Resp: 79041

Ion Ratio Lower Upper

173 100

175 49.8 25.3 75.9

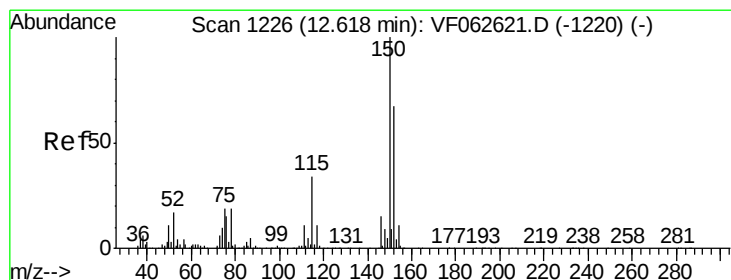
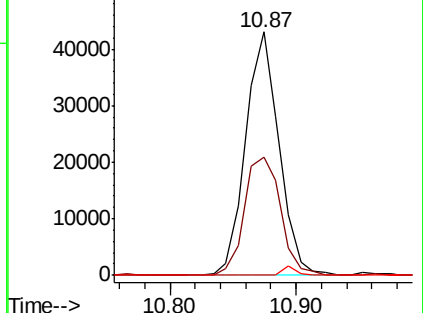
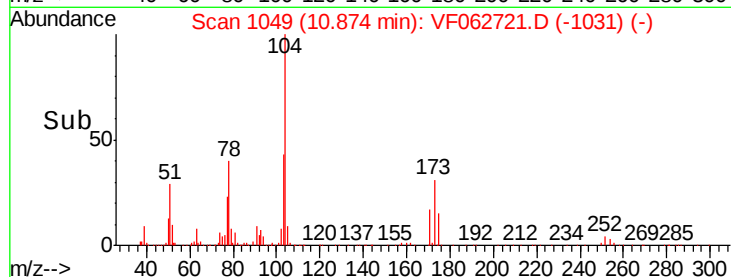
254 0.0 0.2 0.2#



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

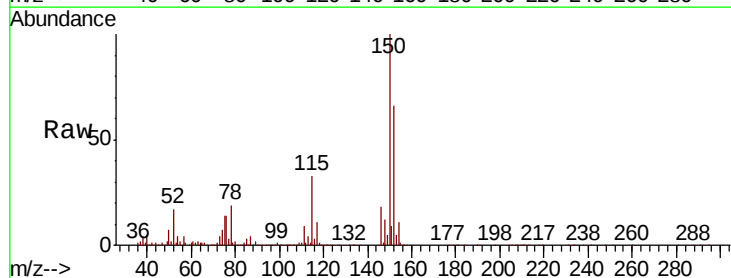
Tgt Ion:152 Resp: 464533

Ion Ratio Lower Upper

152 100

115 50.1 25.2 75.6

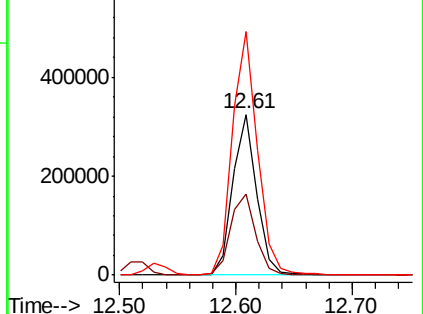
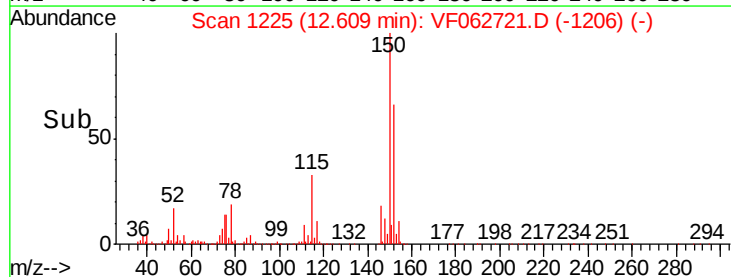
150 151.4 0.0 306.2

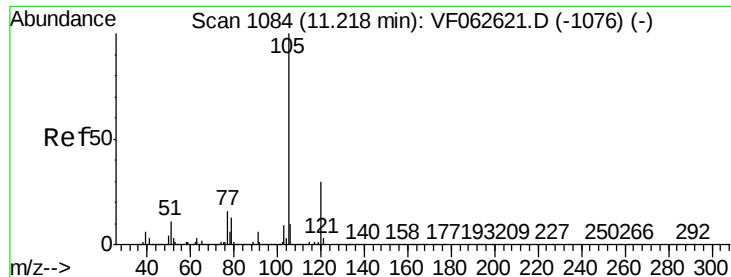


Abundance Ion 152.00 (151.70 to 152.70): V

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 :

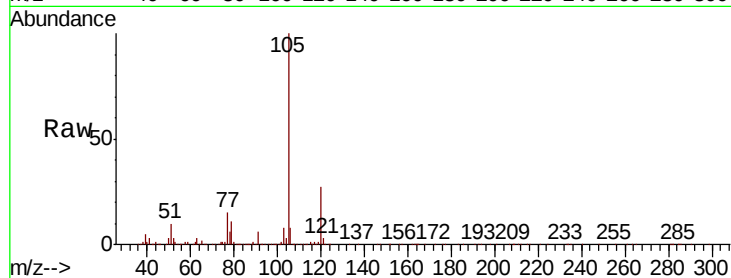
VF0523SBS01

Tot Ion:105 Resp: 761007

Ion Ratio Lower Upper

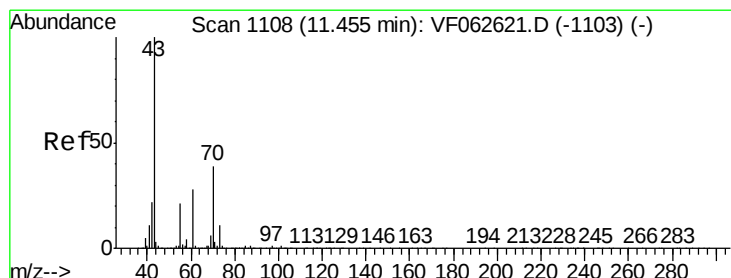
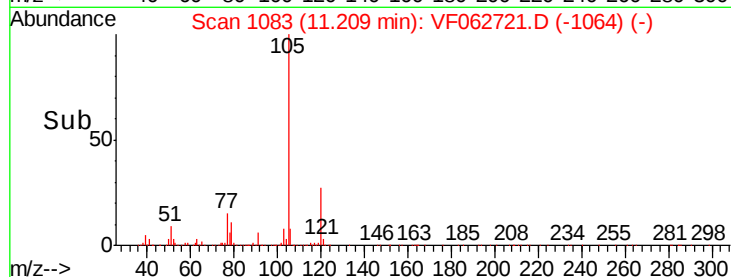
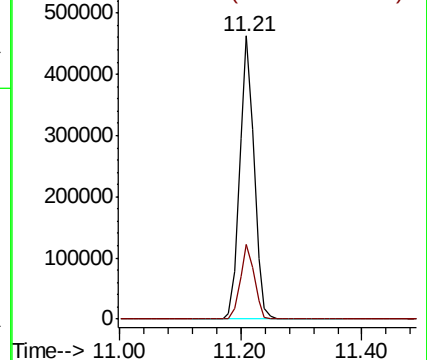
105 100

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

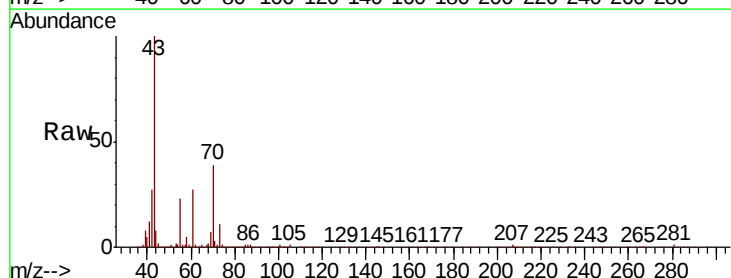
Ion Ratio Lower Upper

43 100

70 39.1 30.9 46.3

55 23.1 17.0 25.4

61 27.4 22.6 34.0

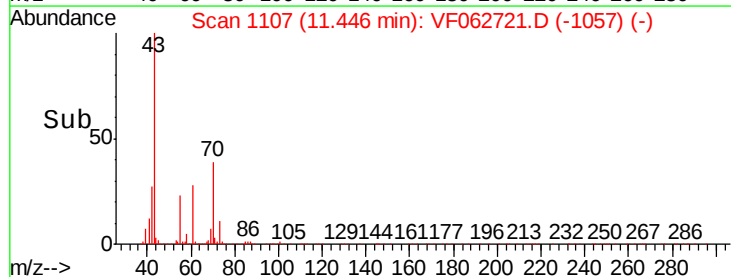
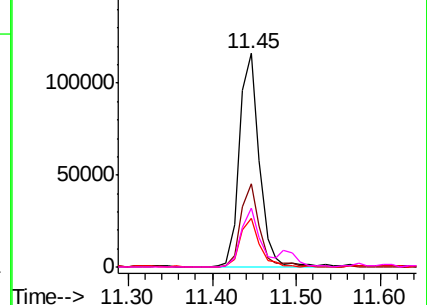


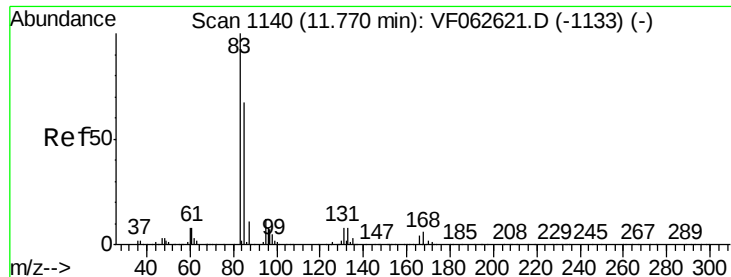
Abundance Ion 43.00 (42.70 to 43.70): VF0

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 :

VF0523SBS01

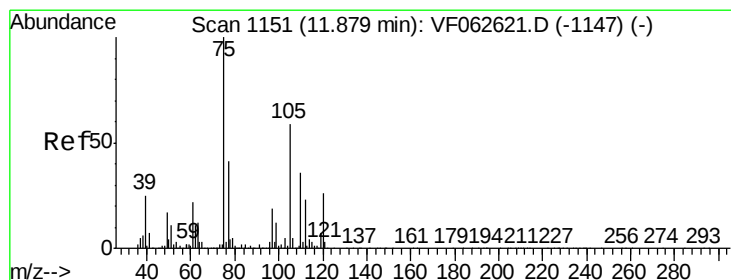
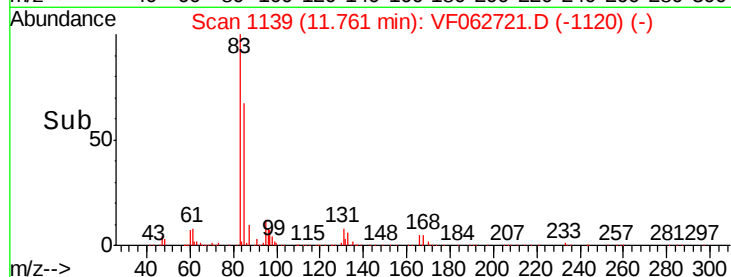
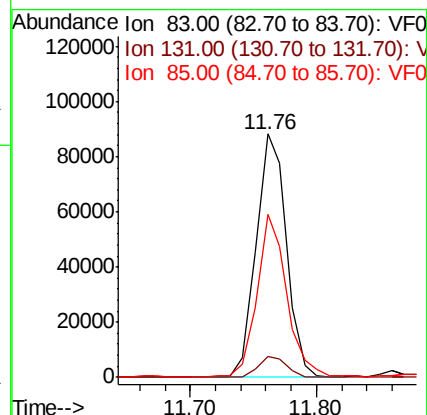
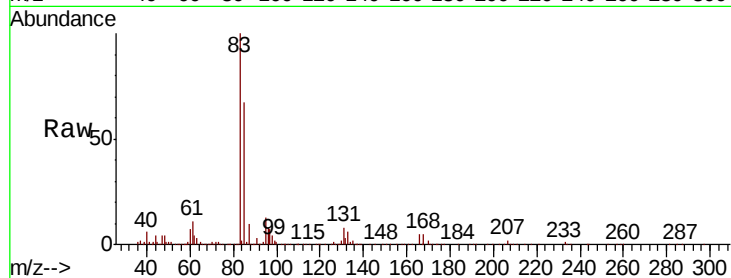
Tot Ion: 83 Resp: 147938

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

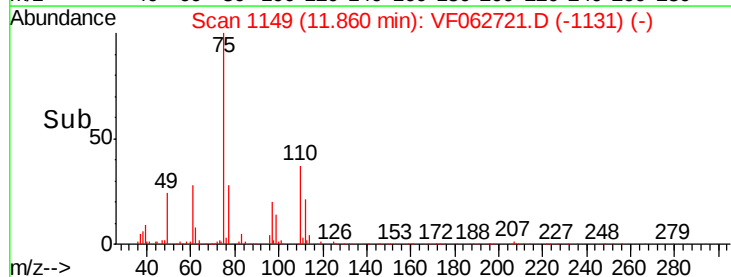
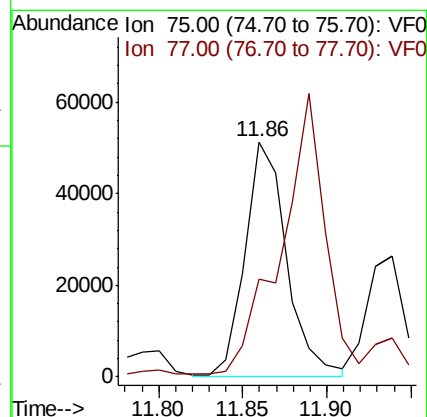
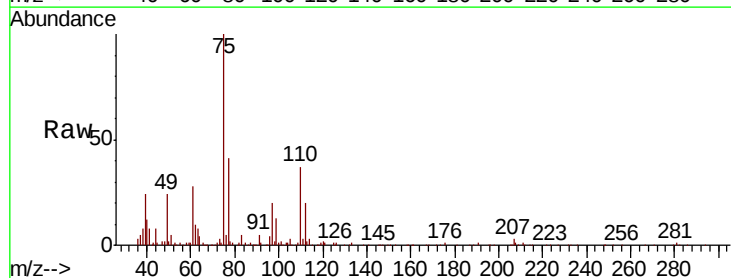
Acq: 23 May 2019 12:38

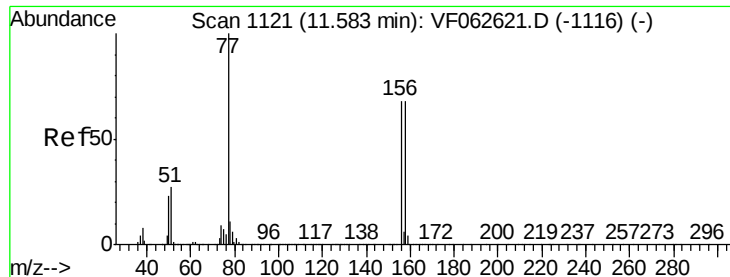
Tgt Ion: 75 Resp: 87498

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 :

VF0523SBS01

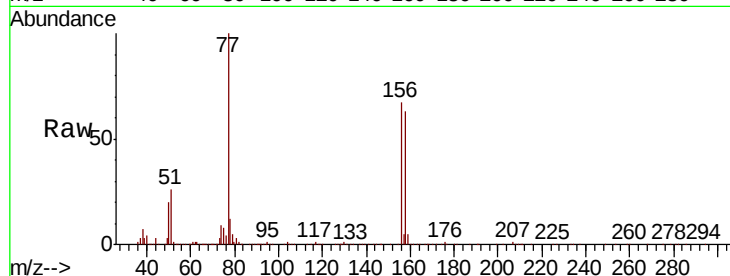
Tot Ion:156 Resp: 176144

Ion Ratio Lower Upper

156 100

77 148.7 73.6 220.8

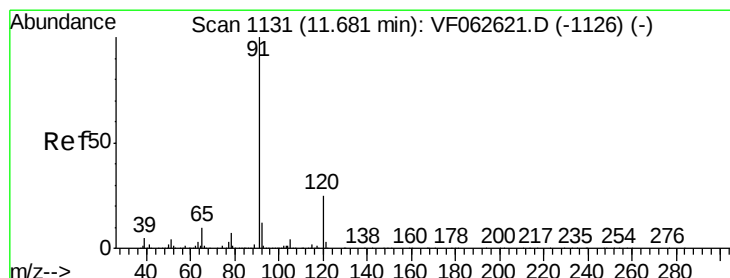
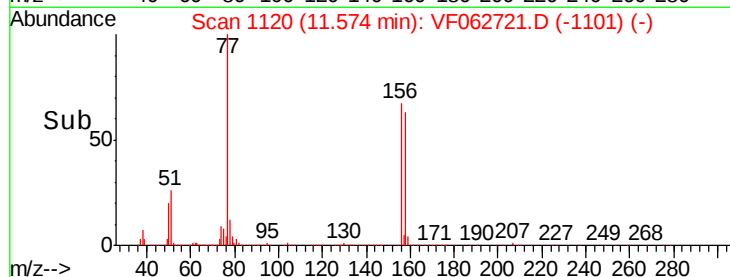
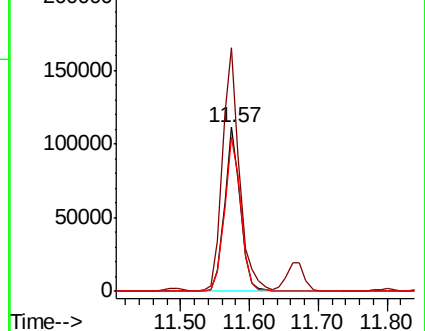
158 94.2 49.6 148.8



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



#78

n-propylbenzene

Concen: 21.628 ug/l

RT: 11.66 min Scan# 1129

Delta R.T. -0.02 min

Lab File: VF062721.D

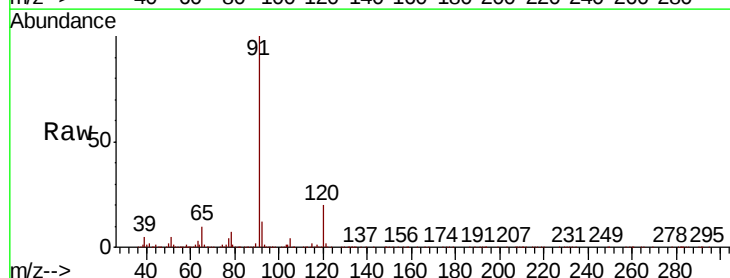
Acq: 23 May 2019 12:38

Tgt Ion: 91 Resp: 852194

Ion Ratio Lower Upper

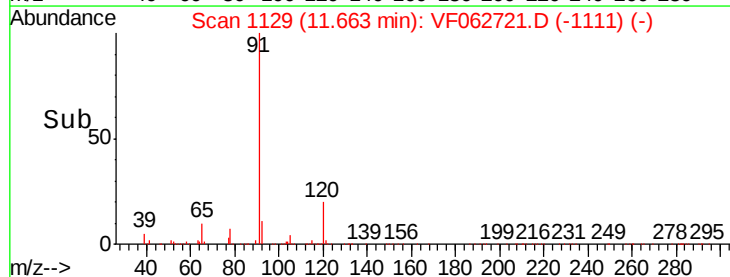
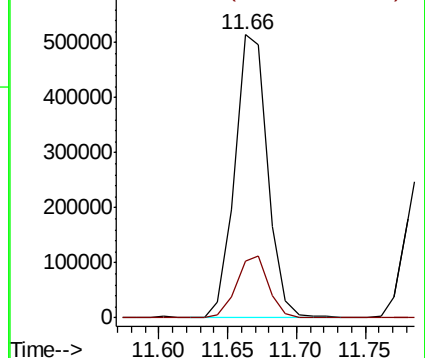
91 100

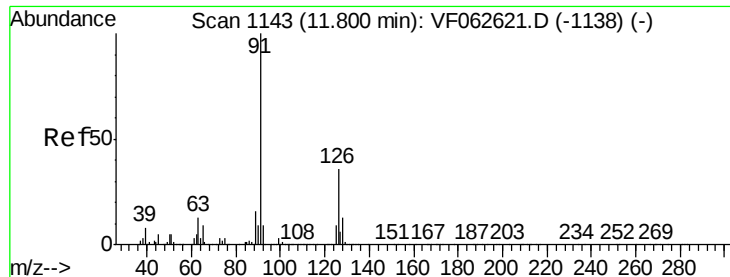
120 20.3 12.7 38.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#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 :

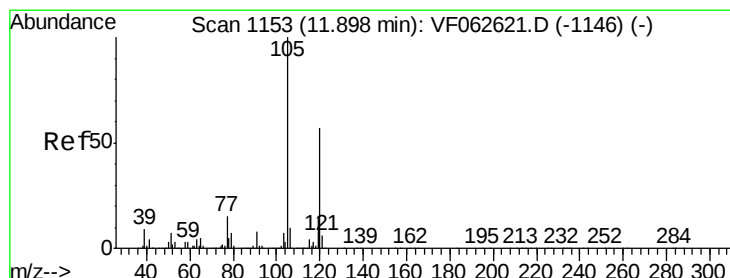
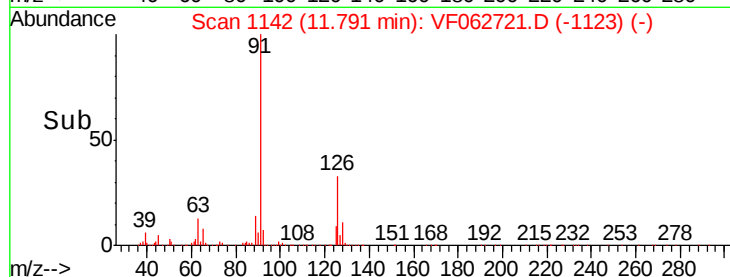
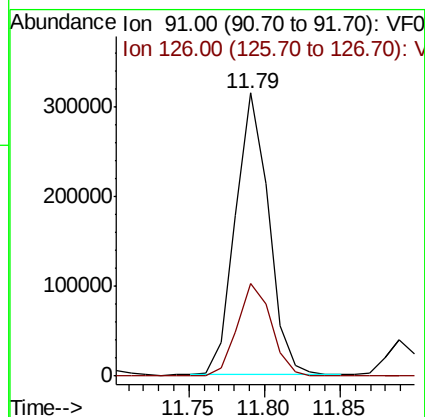
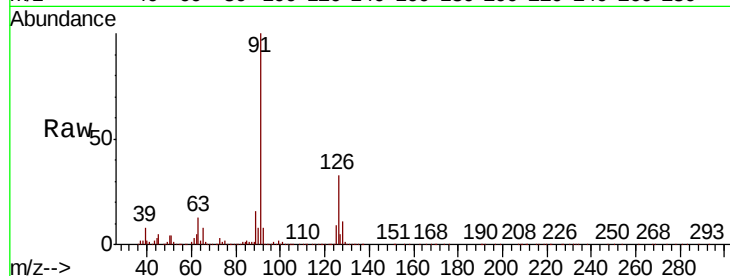
VF0523SBS01

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

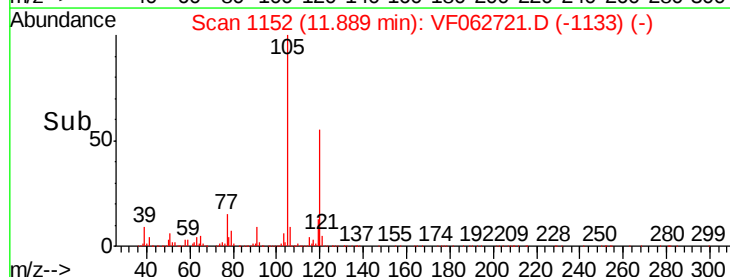
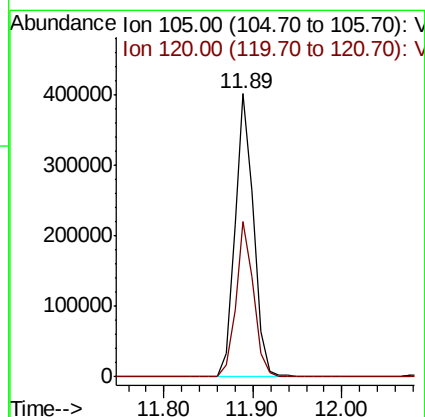
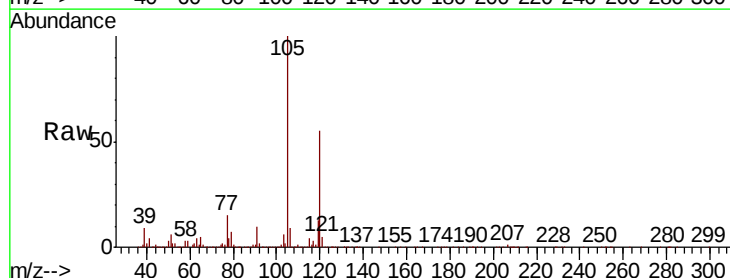
Acq: 23 May 2019 12:38

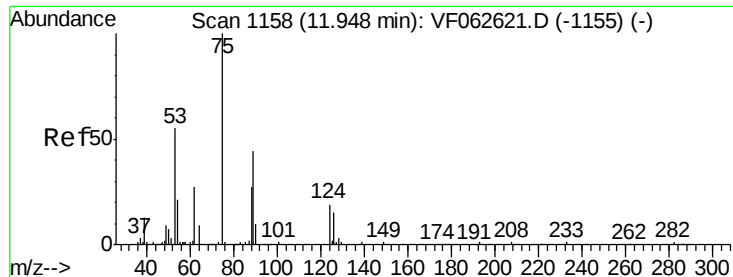
Tgt Ion:105 Resp: 590182

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 :

VF0523SBS01

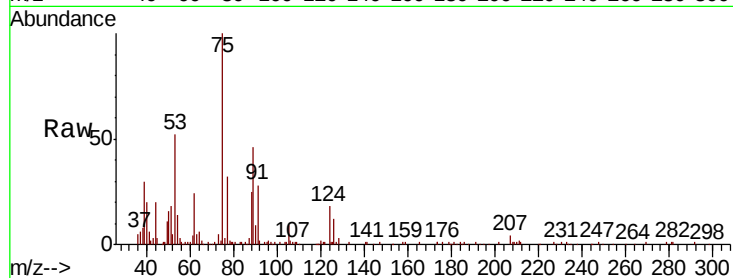
Tot Ion: 75 Resp: 54608

Ion Ratio Lower Upper

75 100

53 52.3 46.9 70.3

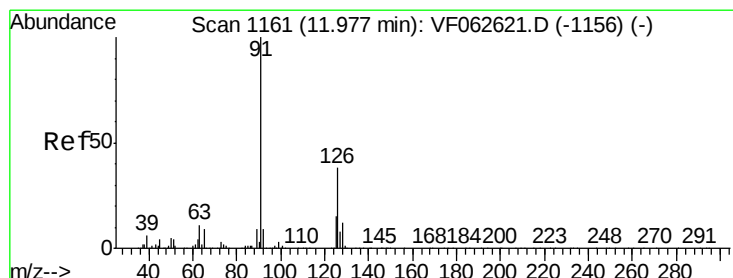
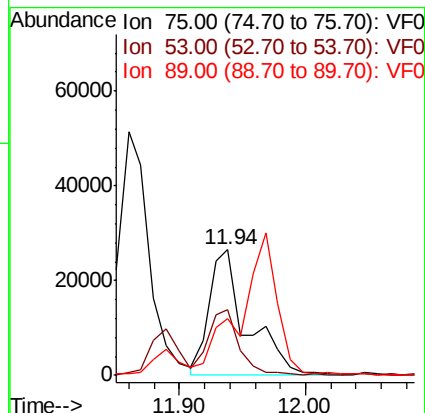
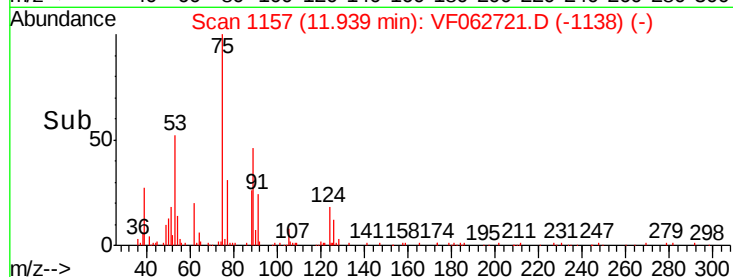
89 45.5 36.4 54.6



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

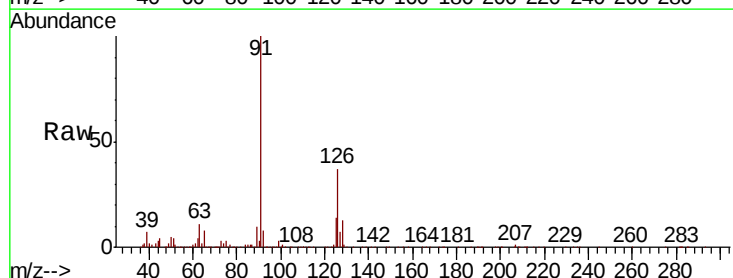
Acq: 23 May 2019 12:38

Tgt Ion: 91 Resp: 466305

Ion Ratio Lower Upper

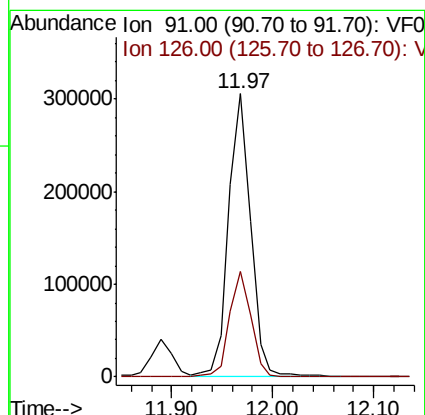
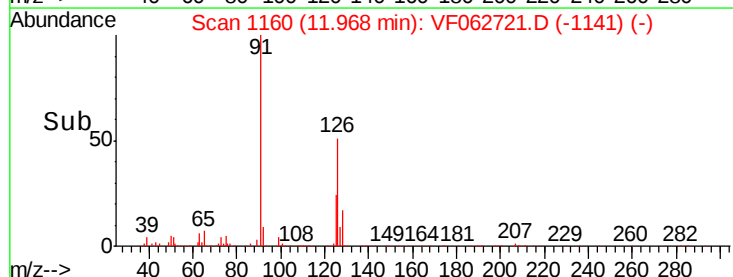
91 100

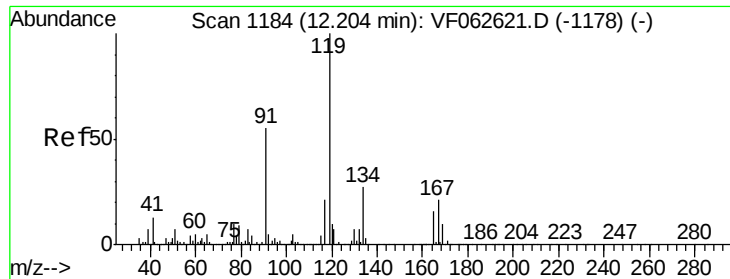
126 37.0 19.1 57.1



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

ClientSampled :

VF0523SBS01

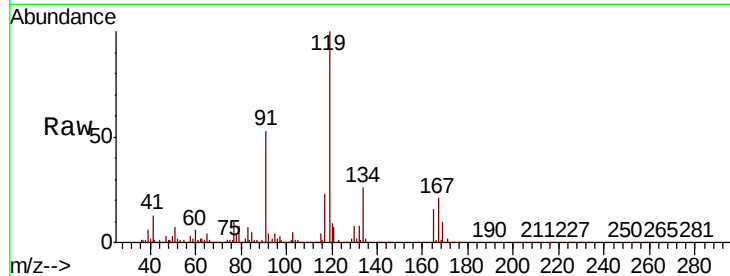
Tot Ion:119 Resp: 606408

Ion Ratio Lower Upper

119 100

91 53.1 27.3 81.9

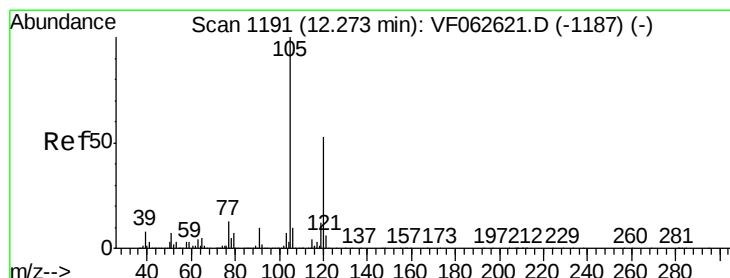
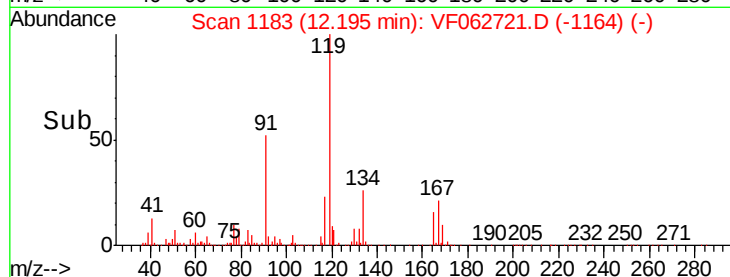
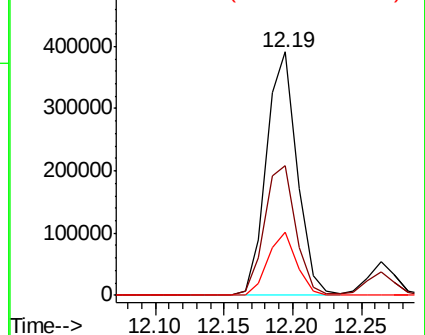
134 26.0 13.6 40.7



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

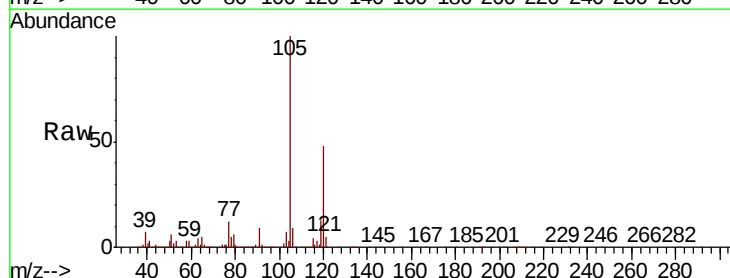
Acq: 23 May 2019 12:38

Tgt Ion:105 Resp: 571253

Ion Ratio Lower Upper

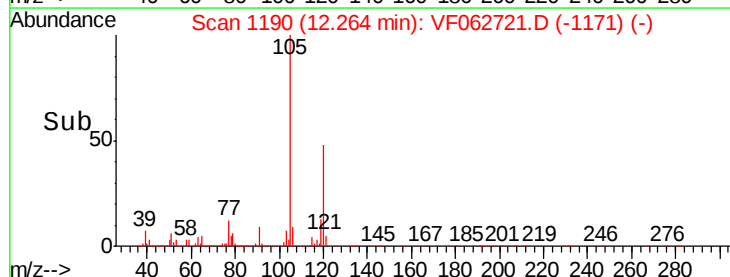
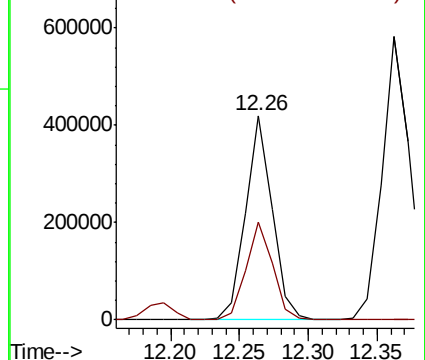
105 100

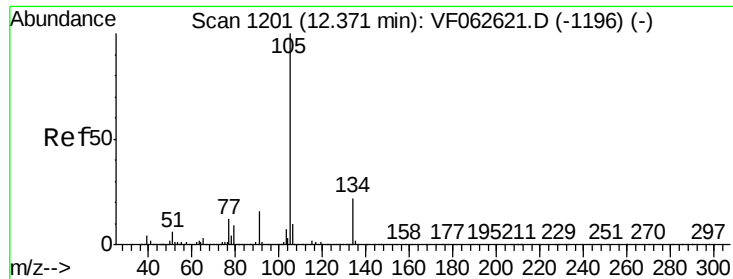
120 47.9 26.7 80.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

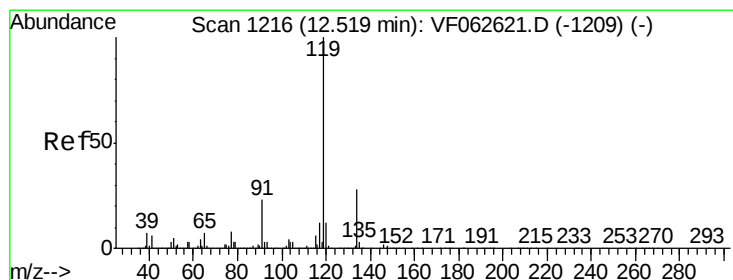
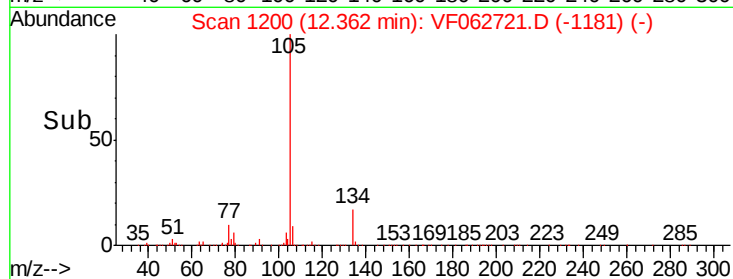
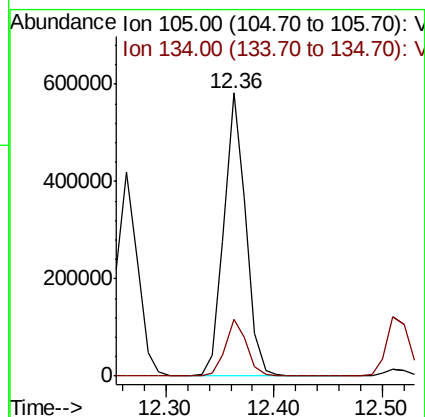
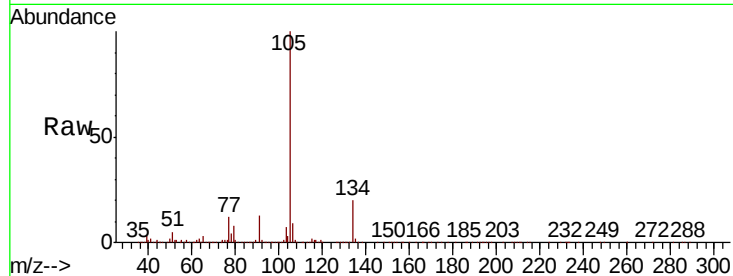




#85
 sec-Butylbenzene
 Concen: 22.430 ug/l
 RT: 12.36 min Scan# 1200
 Delta R.T. -0.01 min
 Lab File: VF062721.D
 Acq: 23 May 2019 12:38

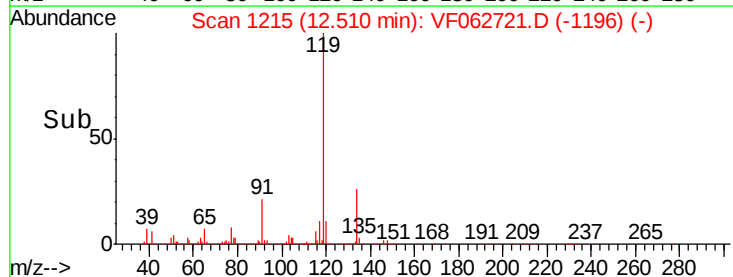
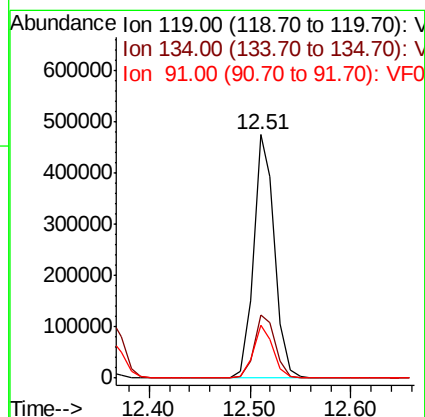
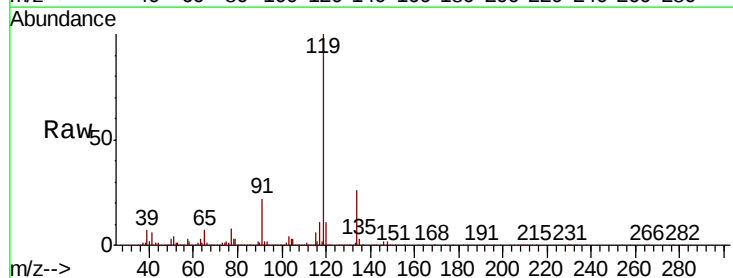
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0523SBS01

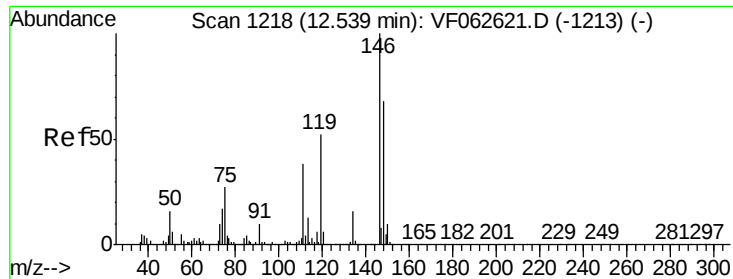
Tot Ion:105 Resp: 815313
 Ion Ratio Lower Upper
 105 100
 134 20.0 10.8 32.4



#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

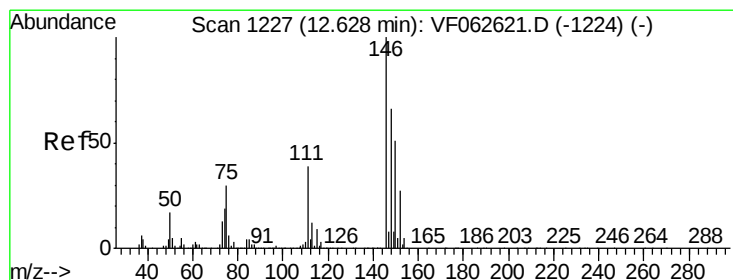
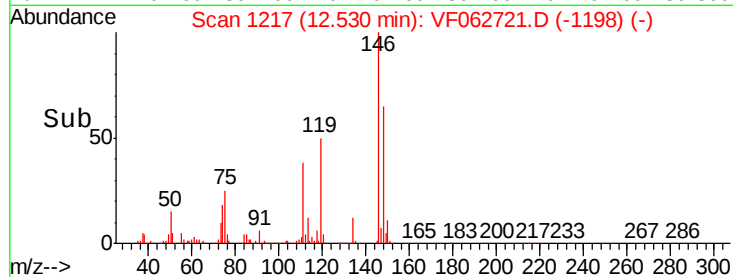
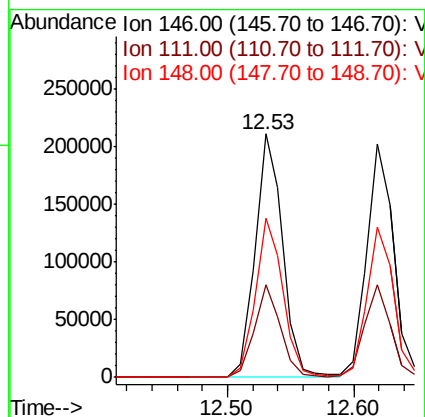
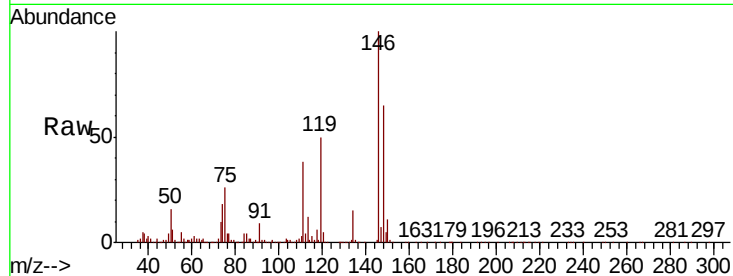




#87
 1,3-Dichlorobenzene
 Concen: 21.433 ug/l
 RT: 12.53 min Scan# 1217
 Delta R.T. -0.01 min
 Lab File: VF062721.D
 Acq: 23 May 2019 12:38

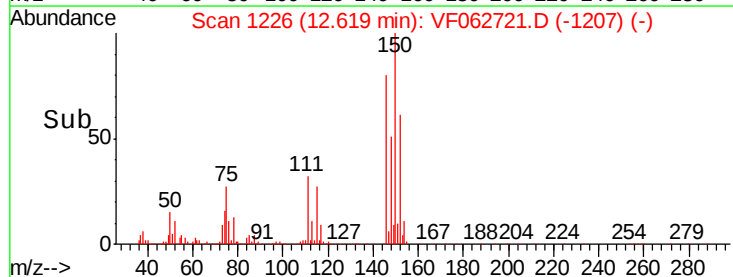
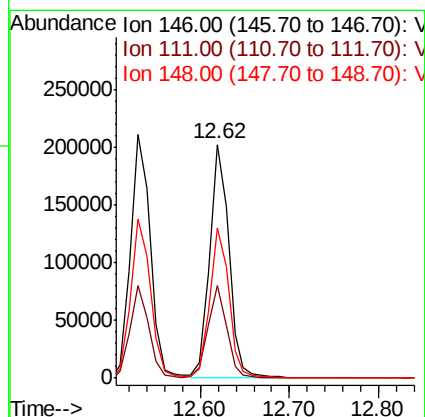
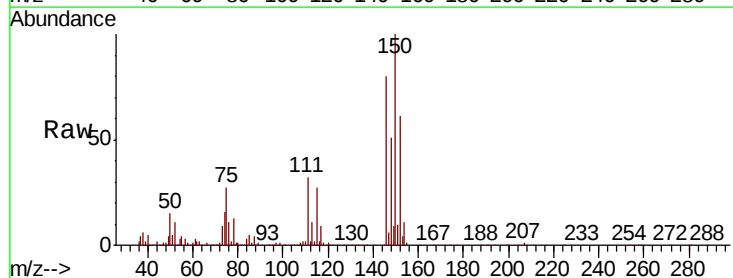
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0523SBS01

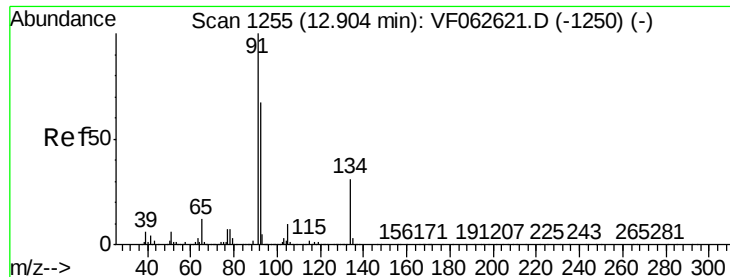
Tot Ion:146 Resp: 320912
 Ion Ratio Lower Upper
 146 100
 111 38.0 18.9 56.9
 148 65.3 34.0 101.8



#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 :

VF0523SBS01

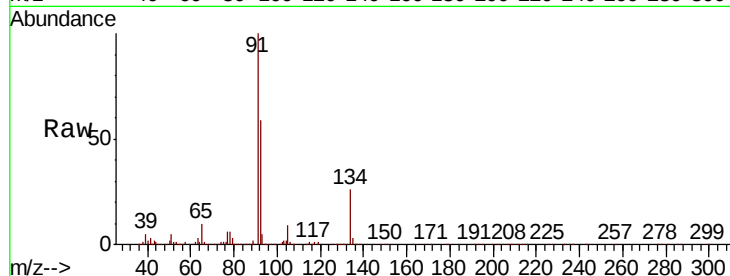
Tot Ion: 91 Resp: 703181

Ion Ratio Lower Upper

91 100

92 59.1 33.3 99.8

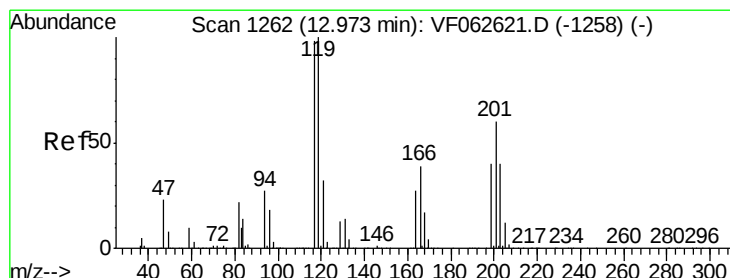
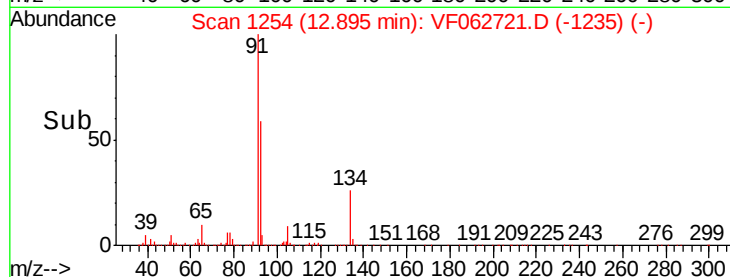
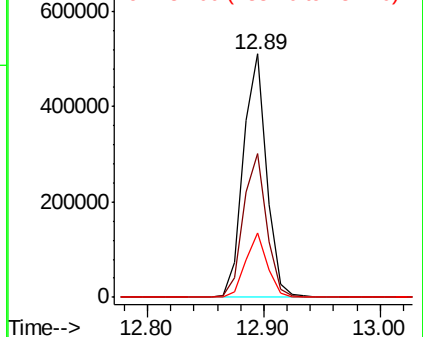
134 26.3 15.4 46.4



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 22.759 ug/l

RT: 12.96 min Scan# 1261

Delta R.T. -0.01 min

Lab File: VF062721.D

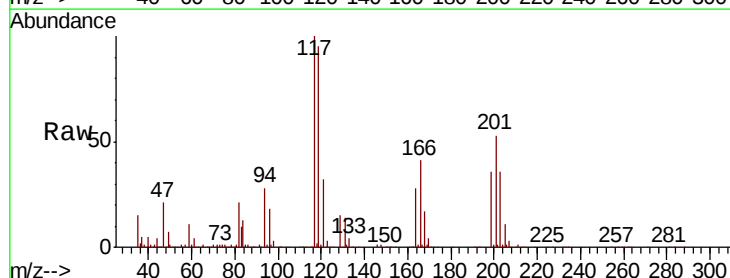
Acq: 23 May 2019 12:38

Tgt Ion: 117 Resp: 167244

Ion Ratio Lower Upper

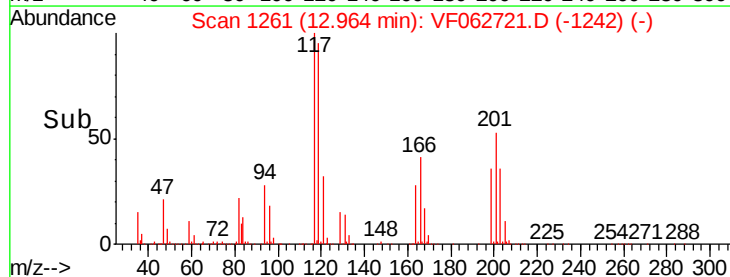
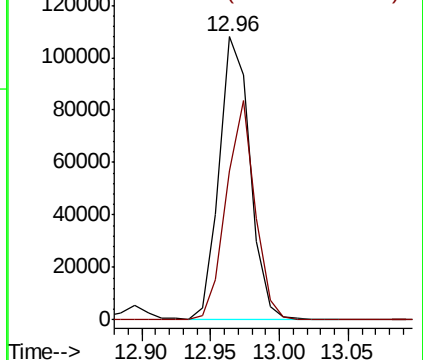
117 100

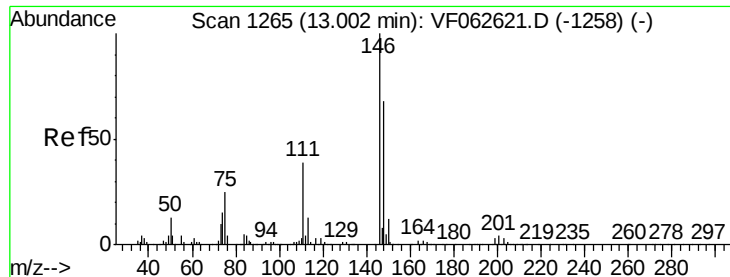
201 54.3 30.7 92.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V





#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 :

VF0523SBS01

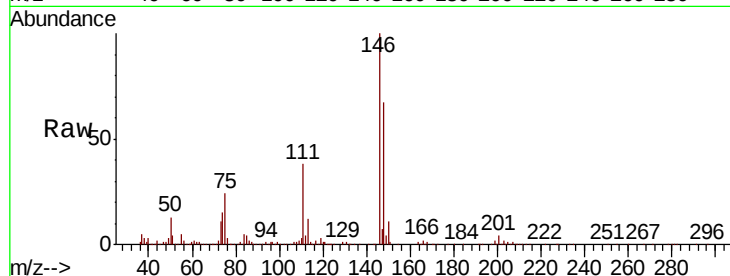
Tot Ion:146 Resp: 293400

Ion Ratio Lower Upper

146 100

111 38.1 19.8 59.3

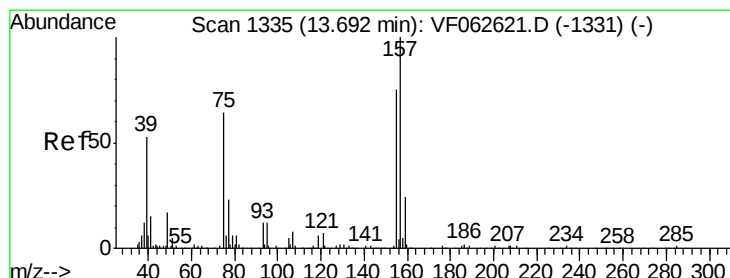
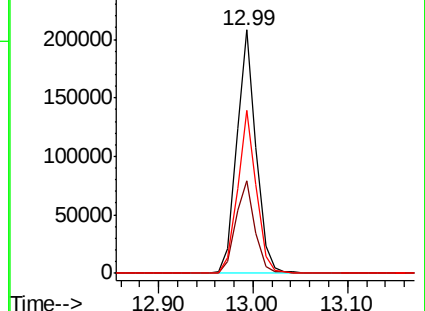
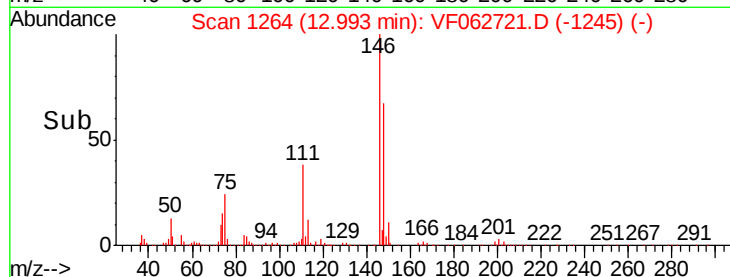
148 66.9 34.1 102.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 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

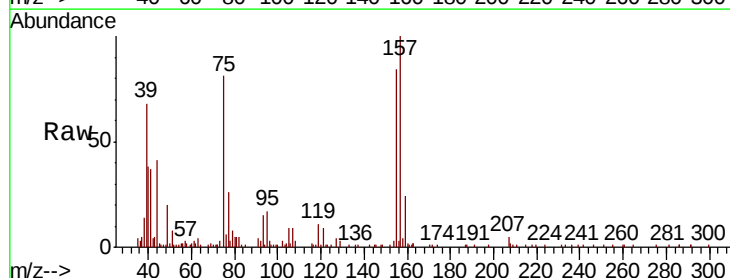
Tgt Ion: 75 Resp: 17212

Ion Ratio Lower Upper

75 100

155 103.7 58.1 174.3

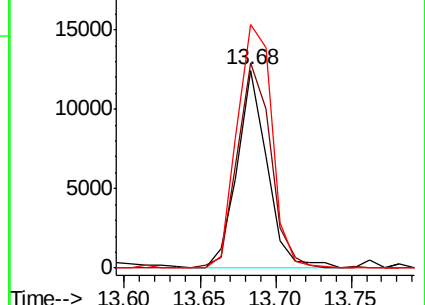
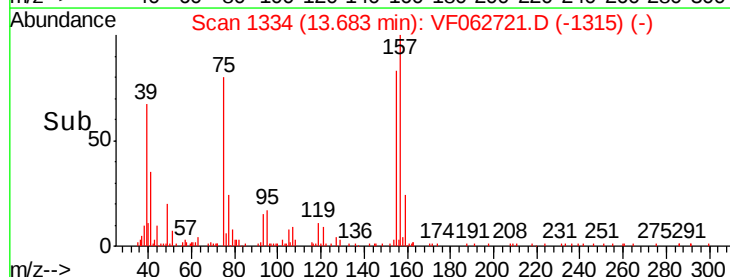
157 123.1 77.8 233.4

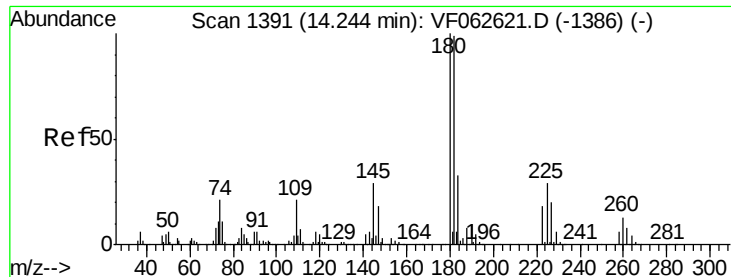


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

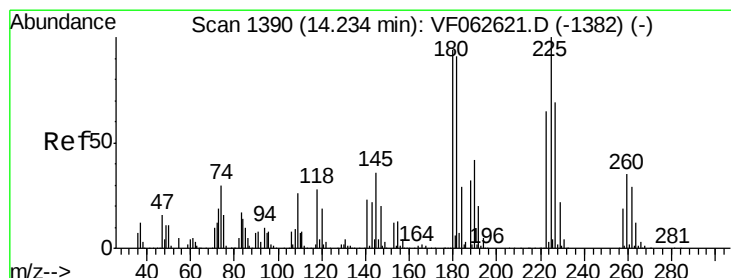
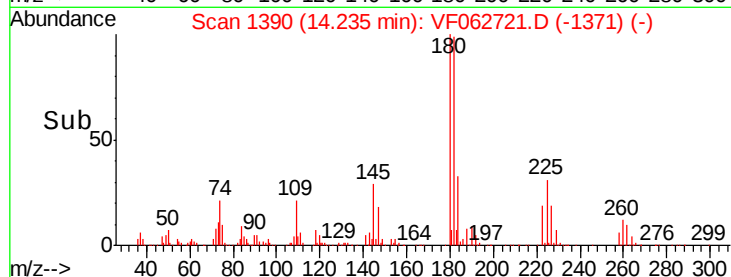
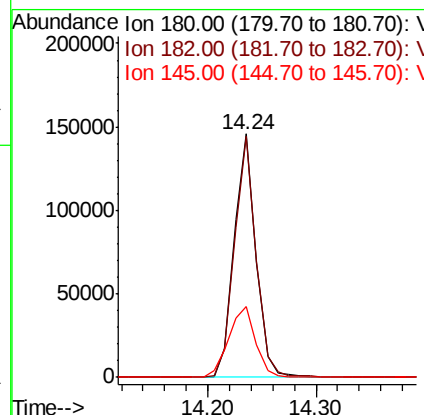
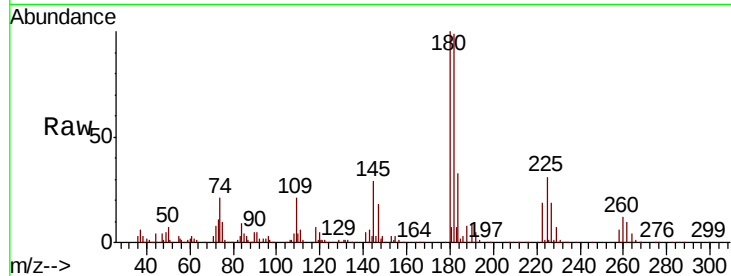




#93
 1,2,4-Trichlorobenzene
 Concen: 21.460 ug/l
 RT: 14.24 min Scan# 1390
 Delta R.T. -0.01 min
 Lab File: VF062721.D
 Acq: 23 May 2019 12:38

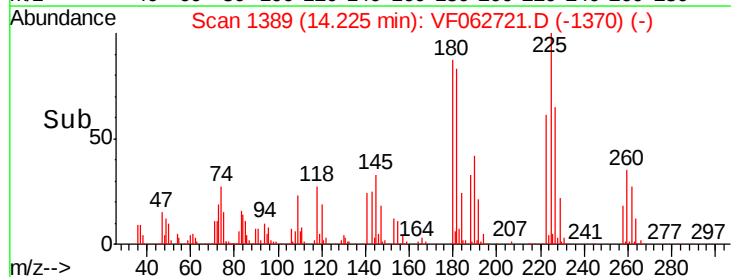
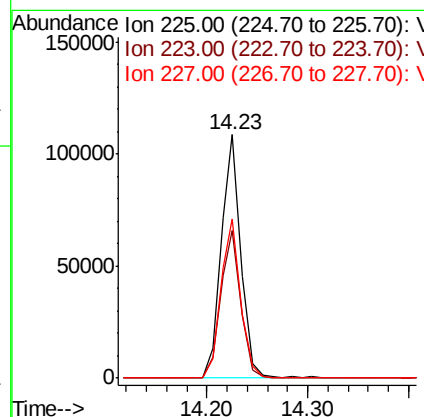
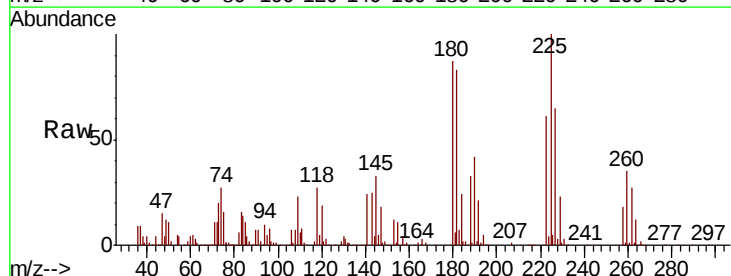
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0523SBS01

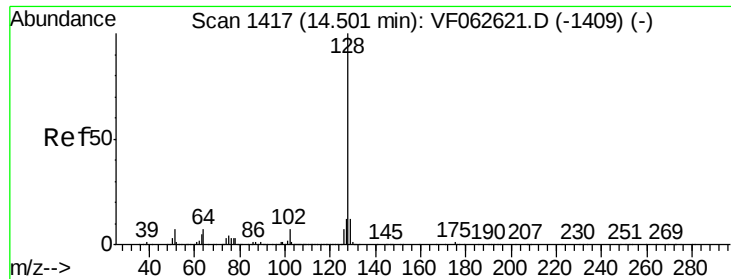
Tot Ion	Ratio	Lower	Upper
180	100		
182	99.0	49.7	149.1
145	28.9	14.6	44.0



#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

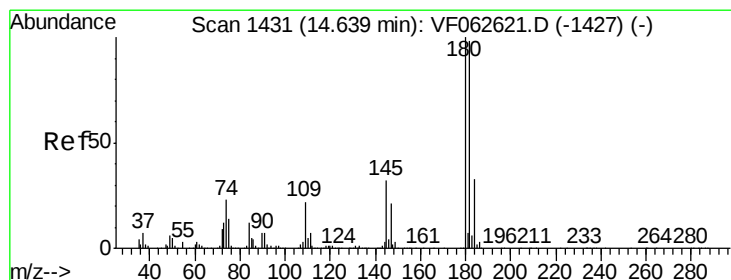
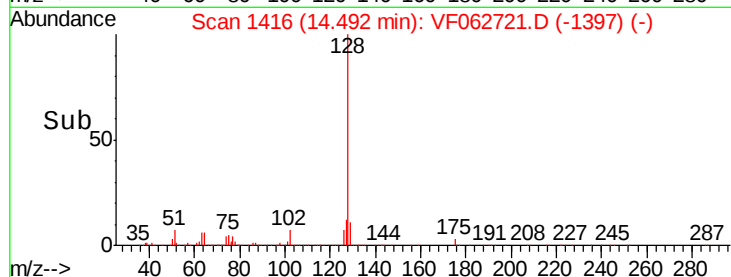
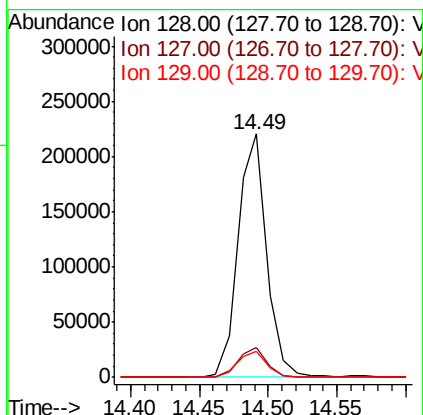
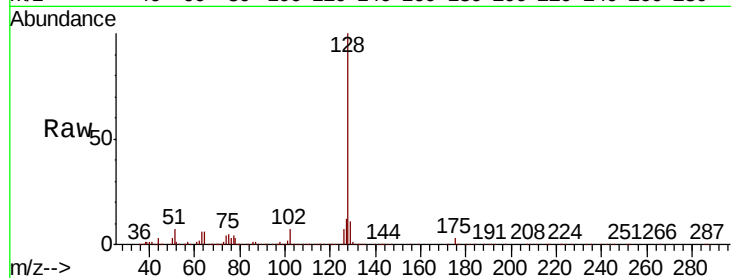




#95
Naphthalene
Concen: 18.387 ug/l
RT: 14.49 min Scan# 1416
Delta R.T. -0.01 min
Lab File: VF062721.D
Acq: 23 May 2019 12:38

Instrument :
MSVOA_F
ClientSampleId :
VF0523SBS01

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

