

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052219\
 Data File : VF062699.D
 Acq On : 22 May 2019 12:09
 Operator : FY/SY
 Sample : VF0522SBS01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0522SBS01

Quant Time: May 23 01:20:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F051619S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 05:49:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	839289	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.76	114	1315246	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.90	117	978976	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.60	152	486598	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.02	65	284317	47.94	ug/l	-0.01
Spiked Amount			Recovery	=	95.88%	
35) Dibromofluoromethane	4.30	113	520968	51.76	ug/l	-0.01
Spiked Amount			Recovery	=	103.52%	
50) Toluene-d8	7.70	98	1174433	48.87	ug/l	-0.01
Spiked Amount			Recovery	=	97.74%	
62) 4-Bromofluorobenzene	11.49	95	397309	43.59	ug/l	-0.01
Spiked Amount			Recovery	=	87.18%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.00	85	204262	17.884	ug/l	100
3) Chloromethane	1.14	50	177580	16.886	ug/l	92
4) Vinyl Chloride	1.19	62	167771	17.331	ug/l	94
5) Bromomethane	1.40	94	89008	16.807	ug/l	90
6) Chloroethane	1.44	64	57389	16.142	ug/l #	84
7) Trichlorofluoromethane	1.55	101	257798	19.833	ug/l	89
8) Diethyl Ether	1.71	74	48035	18.654	ug/l	80
9) 1,1,2-Trichlorotrifluoroet	1.90	101	157900	19.078	ug/l	91
10) Methyl Iodide	1.98	142	324667	19.969	ug/l	96
11) Tert butyl alcohol	2.70	59	36106	92.211	ug/l #	91
12) 1,1-Dichloroethene	1.87	96	145082	19.243	ug/l	97
13) Acrolein	2.10	56	35101	85.878	ug/l	88
14) Allyl chloride	2.19	41	154450	22.634	ug/l #	83
15) Acrylonitrile	3.08	53	93044	84.239	ug/l	95
16) Acetone	2.34	43	117689	76.489	ug/l #	88
17) Carbon Disulfide	1.92	76	407883	18.252	ug/l	95
18) Methyl Acetate	2.46	43	47038	19.454	ug/l	98
19) Methyl tert-butyl Ether	2.54	73	250640	18.596	ug/l	94
20) Methylene Chloride	2.32	84	154853	20.078	ug/l	92
21) trans-1,2-Dichloroethene	2.42	96	151429	20.549	ug/l	94
22) Diisopropyl ether	2.93	45	310182	18.430	ug/l	97
23) Vinyl Acetate	3.34	43	1028522	90.595	ug/l	99
24) 1,1-Dichloroethane	3.00	63	249578	20.215	ug/l	98
25) 2-Butanone	4.52	43	260524	79.251	ug/l	95
26) 2,2-Dichloropropane	3.77	77	144676	20.480	ug/l	91
27) cis-1,2-Dichloroethene	3.64	96	240184	19.814	ug/l	92
28) Bromochloromethane	3.89	49	134073	19.362	ug/l	86
29) Tetrahydrofuran	4.26	42	122965	92.437	ug/l	99
30) Chloroform	4.04	83	356435	20.793	ug/l	98
31) Cyclohexane	3.89	56	303713	18.321	ug/l	93
32) 1,1,1-Trichloroethane	4.27	97	230123	20.214	ug/l	97
36) 1,1-Dichloropropene	4.46	75	260322	19.316	ug/l	99
37) Ethyl Acetate	4.29	43	107237	19.488	ug/l	95
38) Carbon Tetrachloride	4.18	117	209917	20.710	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	337595	20.818	ug/l	96
40) Benzene	4.82	78	796671	21.698	ug/l	97
41) Methacrylonitrile	4.92	41	53637	18.592	ug/l	95
42) 1,2-Dichloroethane	5.12	62	153170	20.920	ug/l	93
43) Isopropyl Acetate	7.10	43	113951	15.984	ug/l #	80
44) Trichloroethene	5.67	130	220222	21.341	ug/l	91
45) 1,2-Dichloropropane	6.40	63	187331	20.212	ug/l	95
46) Dibromomethane	6.25	93	116427	21.736	ug/l	99
47) Bromodichloromethane	6.54	83	229654	20.652	ug/l	95
48) Methyl methacrylate	6.87	41	64304	17.257	ug/l	91
49) 1,4-Dioxane	6.86	88	17468	366.012	ug/l #	92
51) 4-Methyl-2-Pentanone	8.39	43	435775	89.427	ug/l	97
52) Toluene	7.77	92	396443	20.589	ug/l	98
53) t-1,3-Dichloropropene	8.41	75	183594	20.181	ug/l	96
54) cis-1,3-Dichloropropene	7.45	75	269867	21.191	ug/l	97
55) 1,1,2-Trichloroethane	8.63	97	117265	20.568	ug/l	96
56) Ethyl methacrylate	8.75	69	114127	16.802	ug/l	97
57) 1,3-Dichloropropane	8.99	76	192901	19.864	ug/l	91
58) 2-Chloroethyl Vinyl ether	7.44	63	217215	98.247	ug/l	95
59) 2-Hexanone	9.61	43	297861	81.969	ug/l	94
60) Dibromochloromethane	8.85	129	152566	20.532	ug/l	98
61) 1,2-Dibromoethane	9.11	107	122517	20.232	ug/l	100
64) Tetrachloroethene	8.30	164	161135	20.776	ug/l	97
65) Chlorobenzene	9.92	112	406940	21.164	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.05	131	166580	21.580	ug/l	95
67) Ethyl Benzene	10.02	91	701832	21.011	ug/l	99
68) m/p-Xylenes	10.25	106	510506	40.663	ug/l	84
69) o-Xylene	10.81	106	254247	19.662	ug/l	97
70) Styrene	10.88	104	383188	19.496	ug/l	100
71) Bromoform	10.87	173	76386	19.759	ug/l #	99
73) Isopropylbenzene	11.20	105	712387	20.427	ug/l	95
74) N-amyl acetate	11.44	43	164885	14.780	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.76	83	136204	19.110	ug/l	100
76) 1,2,3-Trichloropropane	11.86	75	88836	18.970	ug/l	95
77) Bromobenzene	11.57	156	165540	19.096	ug/l	92
78) n-propylbenzene	11.67	91	844713	20.466	ug/l	95
79) 2-Chlorotoluene	11.78	91	464239	19.958	ug/l	97
80) 1,3,5-Trimethylbenzene	11.88	105	559647	20.013	ug/l	92
81) trans-1,4-Dichloro-2-buten	11.93	75	53482	25.692	ug/l	91
82) 4-Chlorotoluene	11.96	91	463287	20.197	ug/l	97
83) tert-Butylbenzene	12.19	119	579664	20.431	ug/l	97
84) 1,2,4-Trimethylbenzene	12.26	105	535886	19.799	ug/l	95
85) sec-Butylbenzene	12.36	105	781533	20.526	ug/l	92
86) p-Isopropyltoluene	12.51	119	667427	20.800	ug/l	97
87) 1,3-Dichlorobenzene	12.52	146	322388	20.555	ug/l	98
88) 1,4-Dichlorobenzene	12.61	146	298565	20.286	ug/l	98
89) n-Butylbenzene	12.89	91	688483	21.762	ug/l	94
90) Hexachloroethane	12.97	117	160737	20.882	ug/l	76
91) 1,2-Dichlorobenzene	12.99	146	287378	20.556	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.68	75	18090	21.276	ug/l	76

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

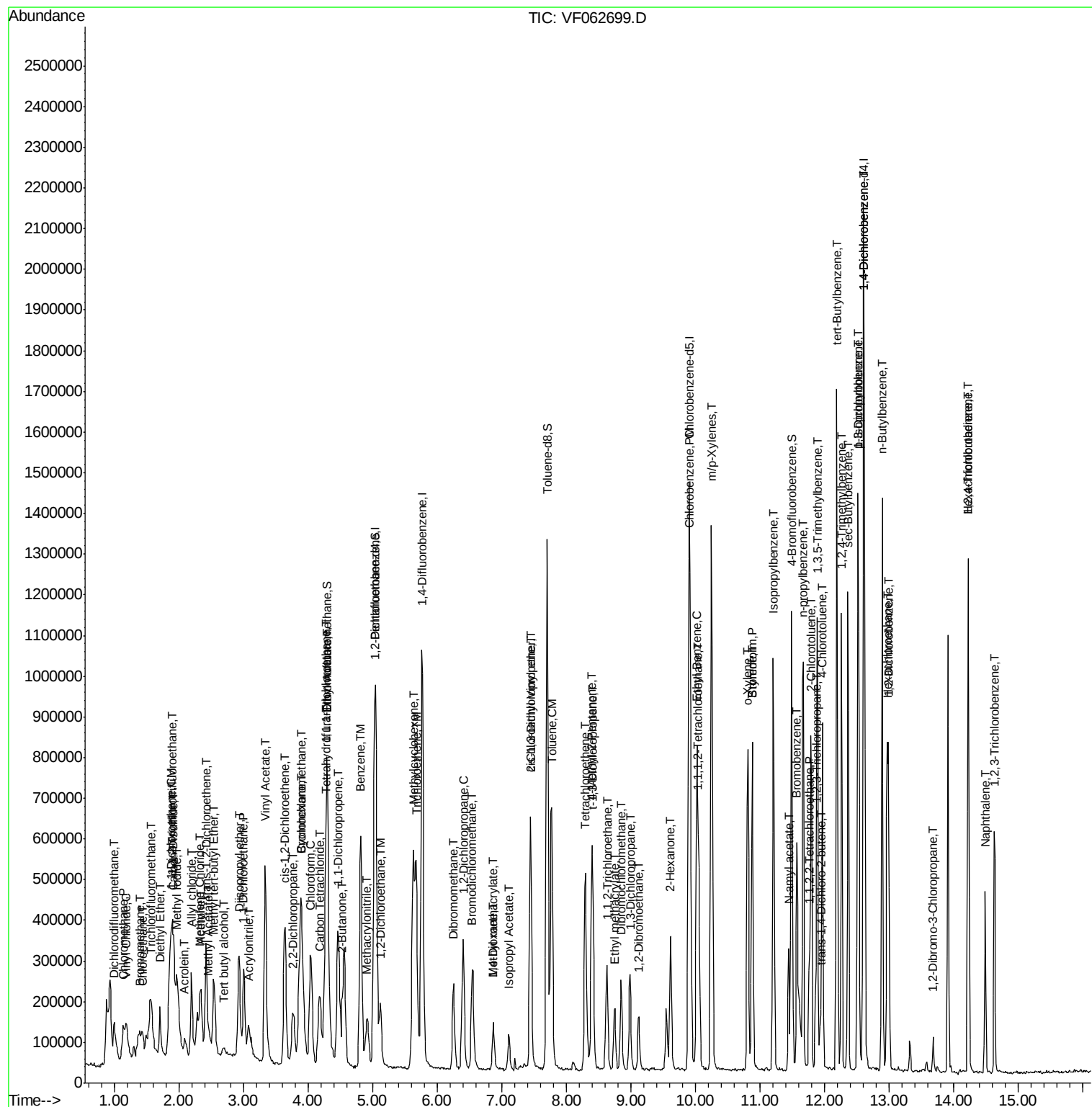
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.23	180	206366	20.622	ug/l	94
94) Hexachlorobutadiene	14.22	225	148191	21.219	ug/l	97
95) Naphthalene	14.49	128	297460	16.362	ug/l	98
96) 1,2,3-Trichlorobenzene	14.63	180	183375	19.346	ug/l	97

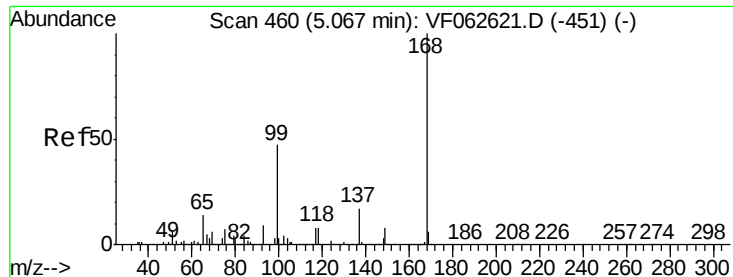
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.04 min Scan# 457

Delta R.T. -0.02 min

Lab File: VF062699.D

Acq: 22 May 2019 12:09

Instrument :

MSVOA_F

ClientSampleId :

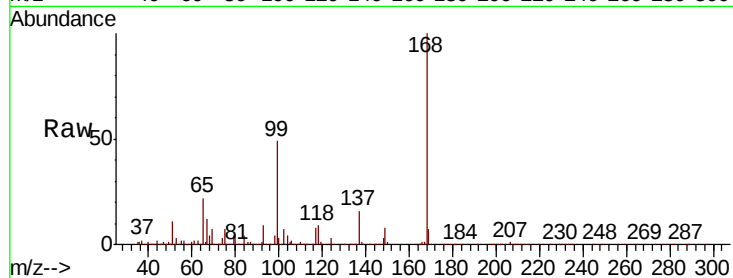
VF0522SBS01

Tot Ion:168 Resp: 839289

Ion Ratio Lower Upper

168 100

99 48.7 37.8 56.8



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.04

300000

250000

200000

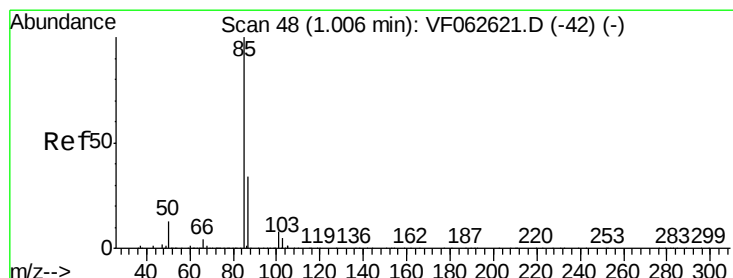
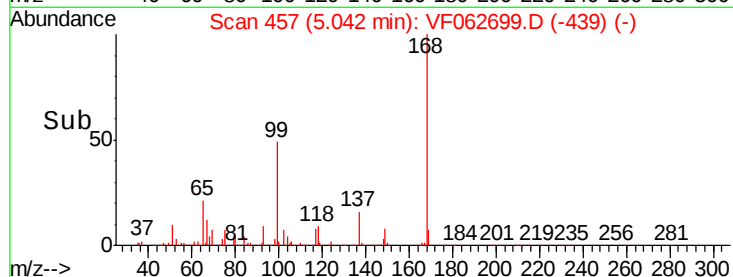
150000

100000

50000

0

Time--> 4.80 5.00 5.20



#2

Dichlorodifluoromethane

Concen: 17.884 ug/l

RT: 1.00 min Scan# 47

Delta R.T. -0.01 min

Lab File: VF062699.D

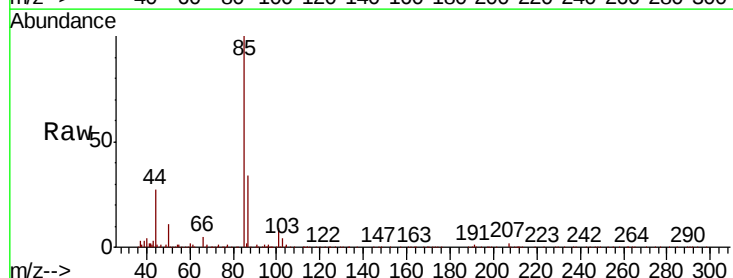
Acq: 22 May 2019 12:09

Tgt Ion: 85 Resp: 204262

Ion Ratio Lower Upper

85 100

87 33.7 16.8 50.3



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

1.00

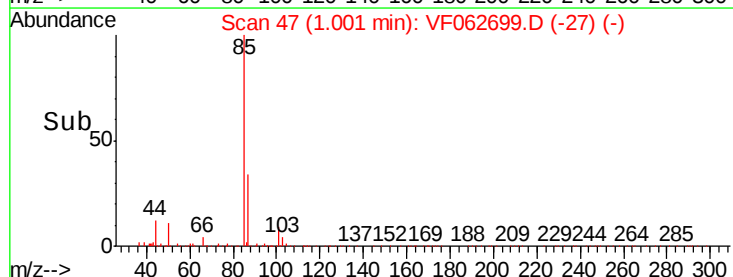
60000

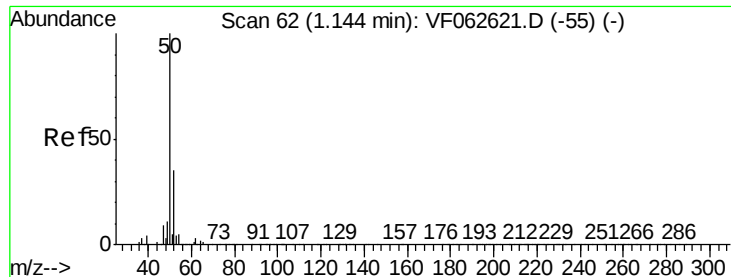
40000

20000

0

Time--> 0.90 1.00 1.10 1.20





#3

Chloromethane

Concen: 16.886 ug/l

RT: 1.14 min Scan# 61

Delta R.T. -0.01 min

Lab File: VF062699.D

Acq: 22 May 2019 12:09

Instrument :

MSVOA_F

ClientSampleId :

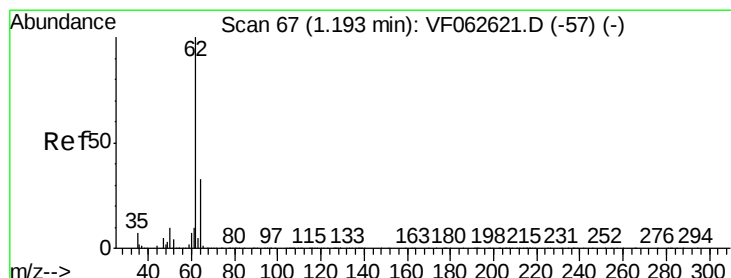
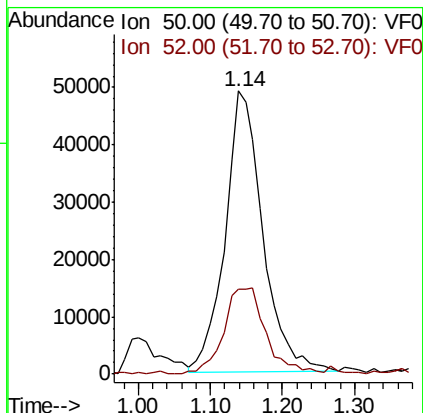
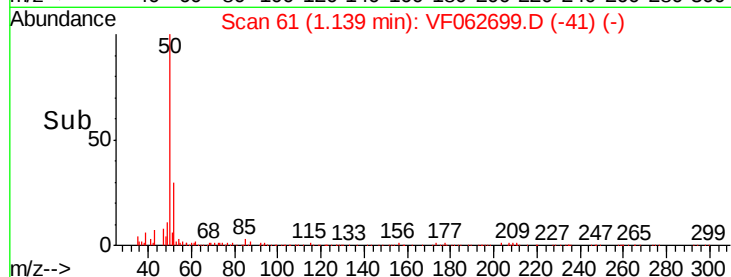
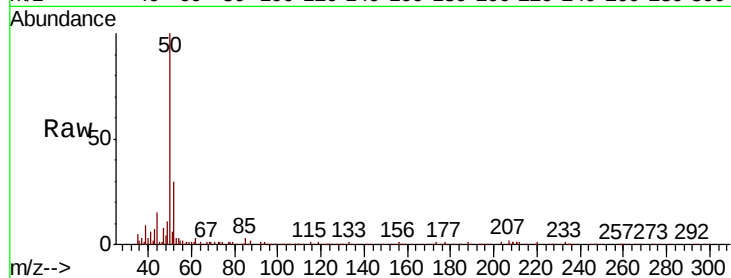
VF0522SBS01

Tot Ion: 50 Resp: 177580

Ion Ratio Lower Upper

50 100

52 30.1 27.5 41.3



#4

Vinyl Chloride

Concen: 17.331 ug/l

RT: 1.19 min Scan# 66

Delta R.T. -0.01 min

Lab File: VF062699.D

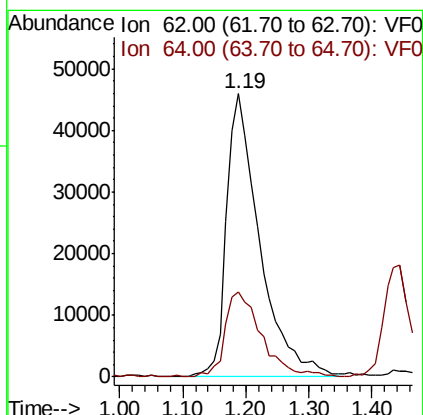
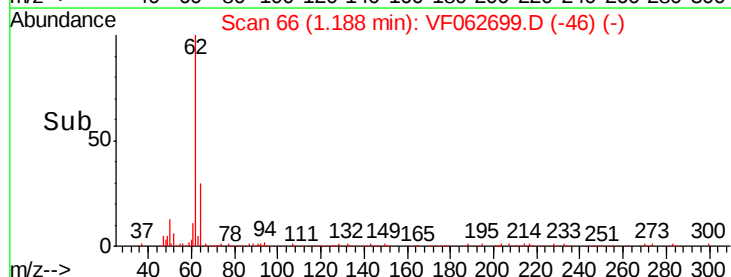
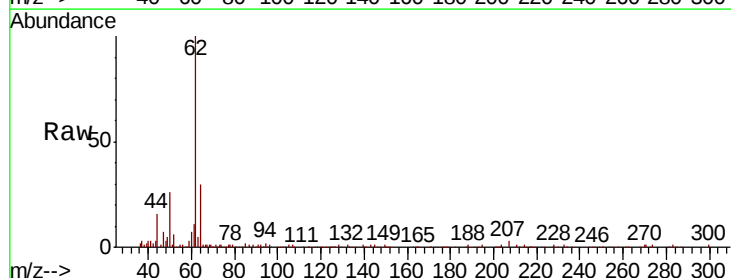
Acq: 22 May 2019 12:09

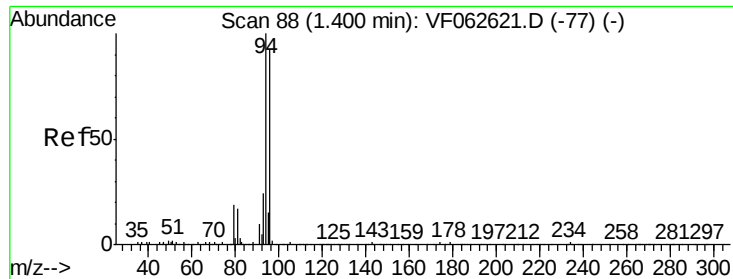
Tgt Ion: 62 Resp: 167771

Ion Ratio Lower Upper

62 100

64 30.1 26.7 40.1





#5

Bromomethane

Concen: 16.807 ug/l

RT: 1.40 min Scan# 87

Delta R.T. -0.01 min

Lab File: VF062699.D

Acq: 22 May 2019 12:09

Instrument :

MSVOA_F

ClientSampleId :

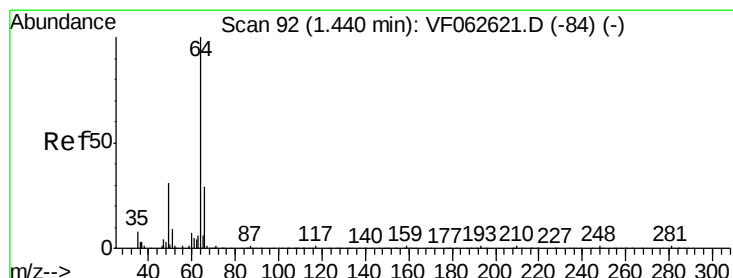
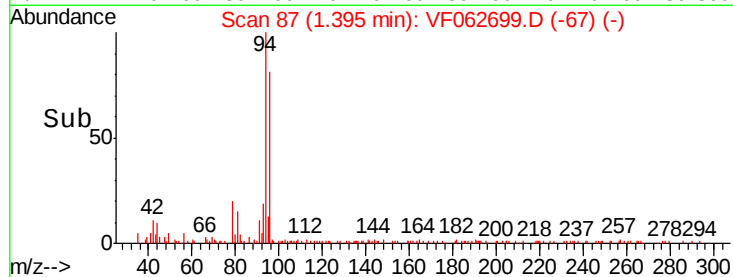
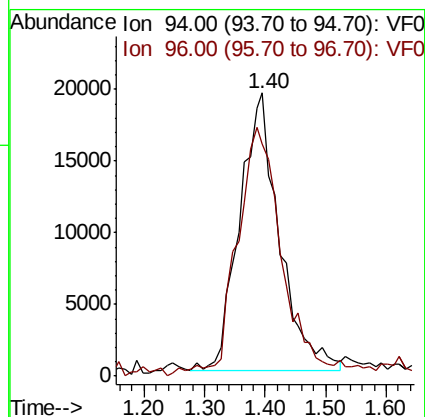
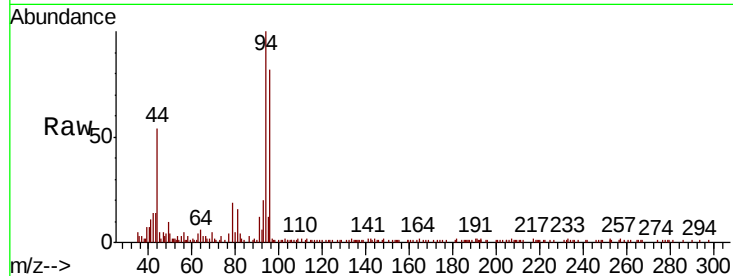
VF0522SBS01

Tot Ion: 94 Resp: 89008

Ion Ratio Lower Upper

94 100

96 81.9 73.2 109.8



#6

Chloroethane

Concen: 16.142 ug/l

RT: 1.44 min Scan# 92

Delta R.T. 0.00 min

Lab File: VF062699.D

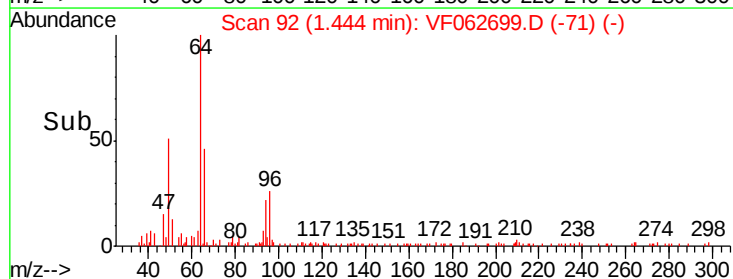
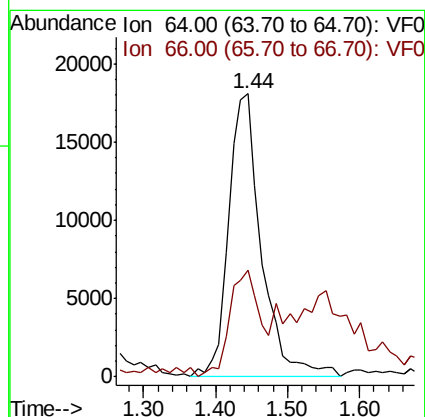
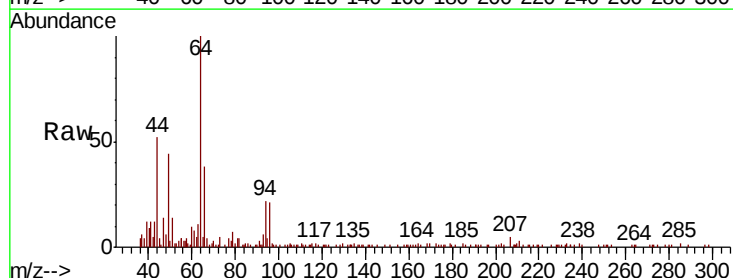
Acq: 22 May 2019 12:09

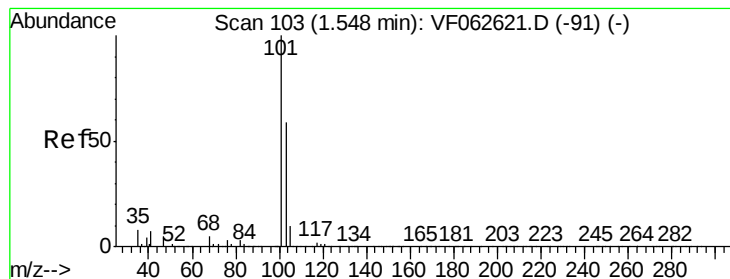
Tgt Ion: 64 Resp: 57389

Ion Ratio Lower Upper

64 100

66 37.7 23.4 35.2#



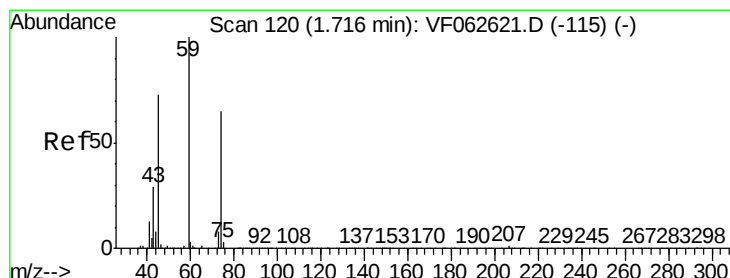
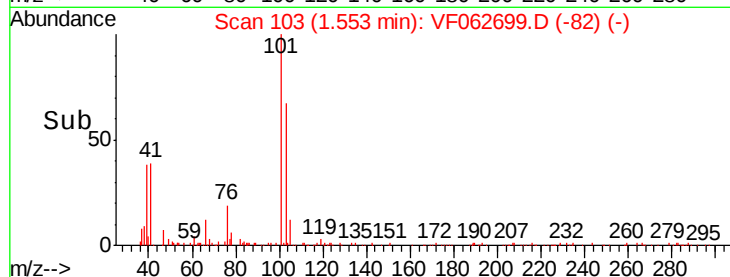
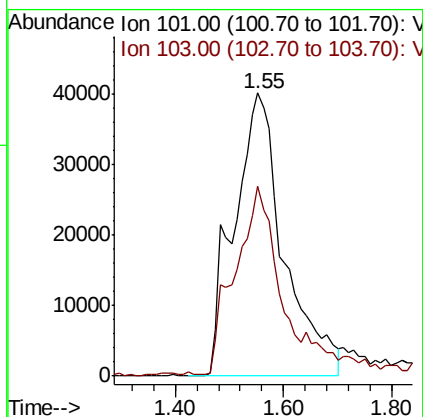
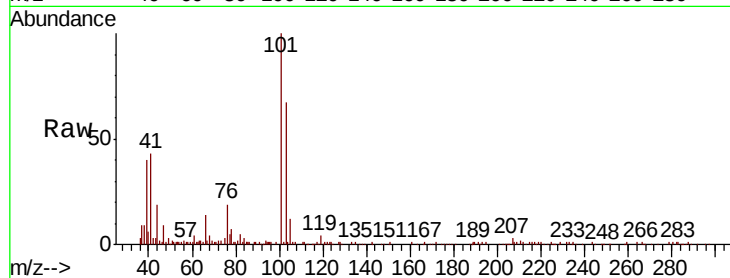


#7

Trichlorofluoromethane
Concen: 19.833 ug/l
RT: 1.55 min Scan# 103
Delta R.T. 0.00 min
Lab File: VF062699.D
Acq: 22 May 2019 12:09

Instrument :
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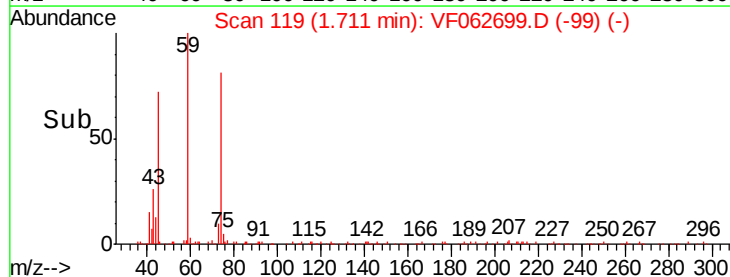
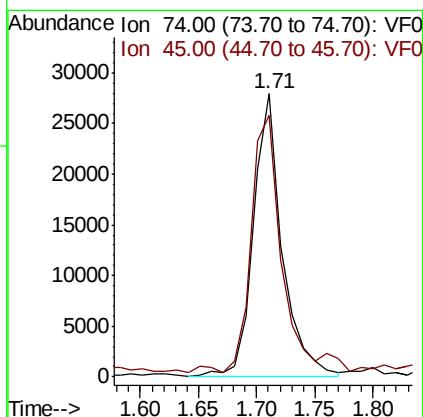
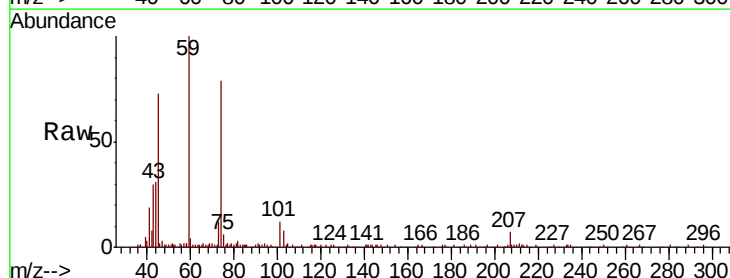
Tot Ion:101 Resp: 257798
Ion Ratio Lower Upper
101 100
103 67.3 47.3 70.9

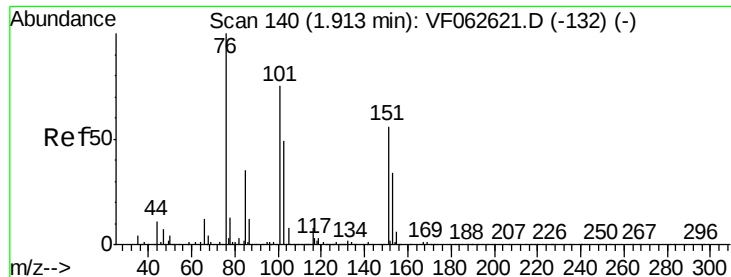


#8

Diethyl Ether
Concen: 18.654 ug/l
RT: 1.71 min Scan# 119
Delta R.T. -0.01 min
Lab File: VF062699.D
Acq: 22 May 2019 12:09

Tgt Ion: 74 Resp: 48035
Ion Ratio Lower Upper
74 100
45 92.6 57.0 170.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.078 ug/l

RT: 1.90 min Scan# 138

Delta R.T. -0.01 min

Lab File: VF062699.D

Acq: 22 May 2019 12:09

Instrument :

MSVOA_F

ClientSampleId :

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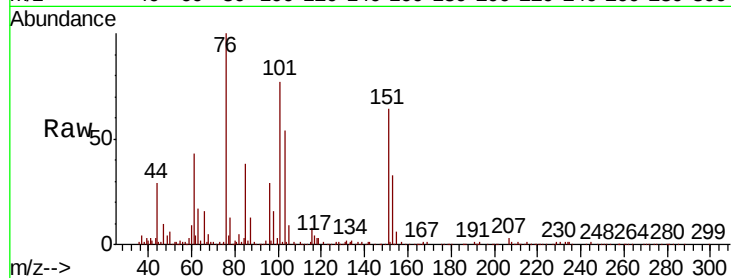
Tot Ion:101 Resp: 157900

Ion Ratio Lower Upper

101 100

85 49.7 37.1 55.7

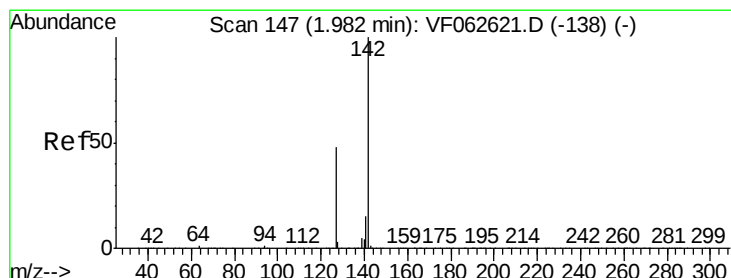
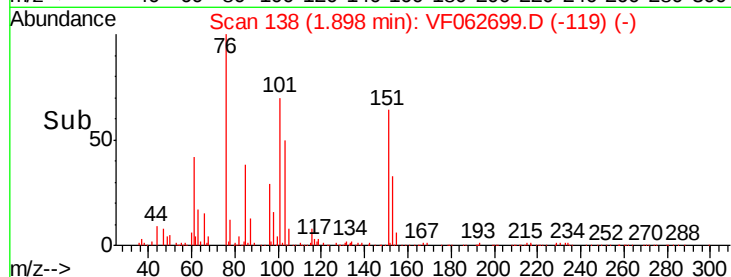
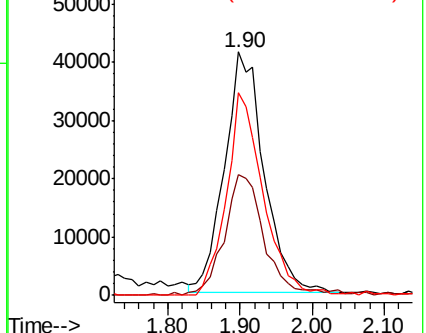
151 83.4 58.8 88.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 19.969 ug/l

RT: 1.98 min Scan# 146

Delta R.T. -0.01 min

Lab File: VF062699.D

Acq: 22 May 2019 12:09

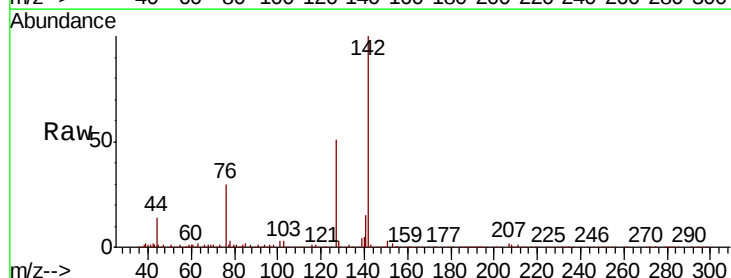
Tgt Ion:142 Resp: 324667

Ion Ratio Lower Upper

142 100

127 51.2 38.1 57.1

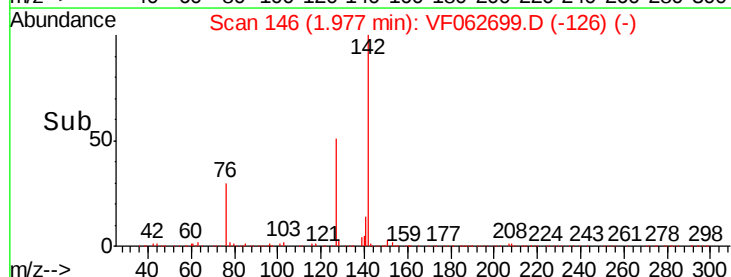
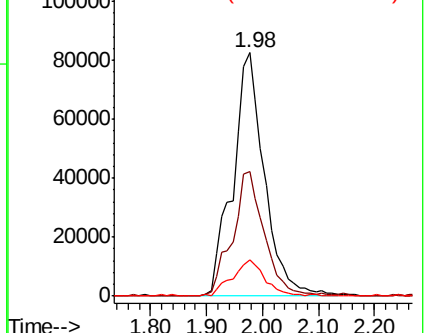
141 14.8 11.7 17.5

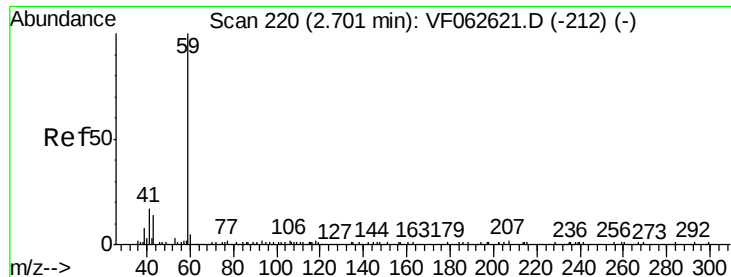


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



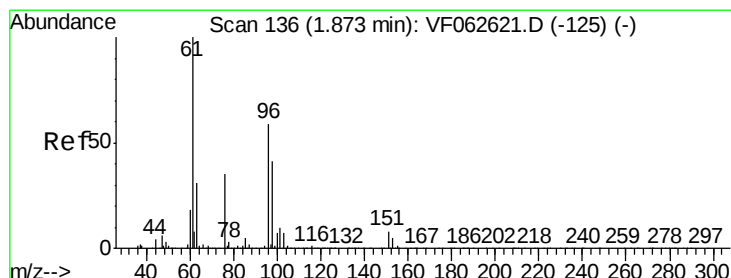
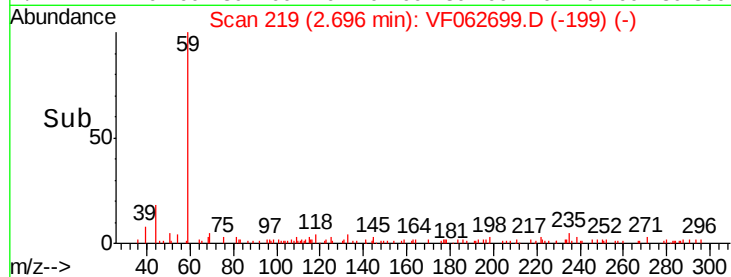
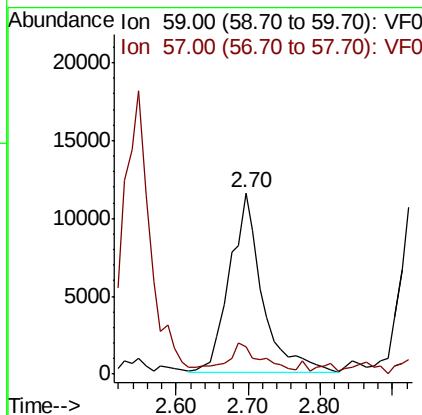
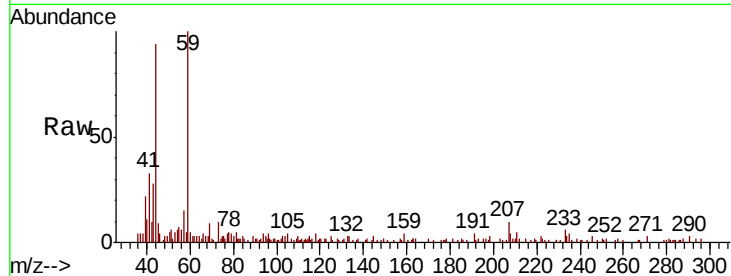


#11

Tert butyl alcohol
 Concen: 92.211 ug/l
 RT: 2.70 min Scan# 219
 Delta R.T. -0.01 min
 Lab File: VF062699.D
 Acq: 22 May 2019 12:09

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0522SBS01

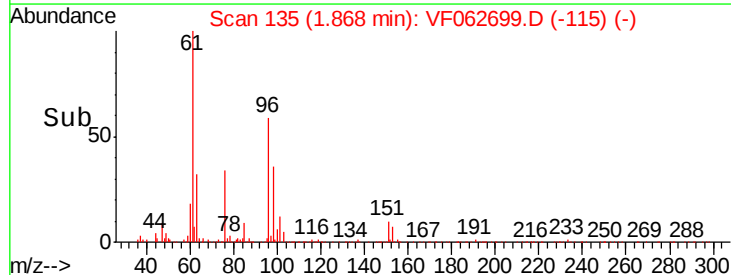
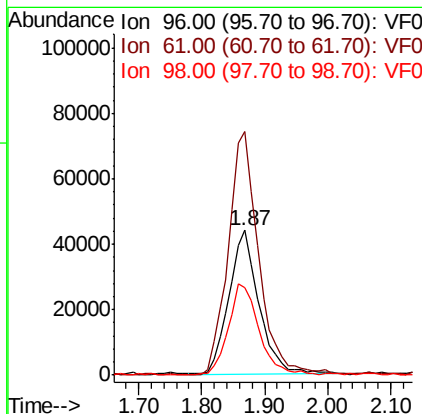
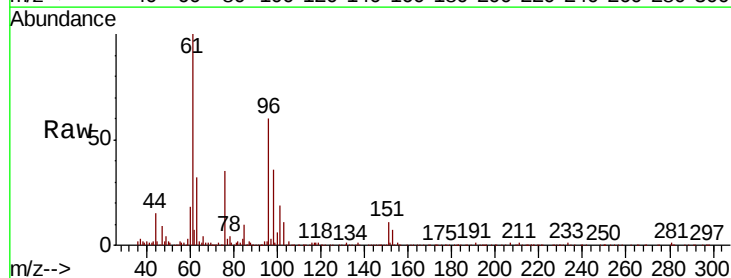
Tot Ion: 59 Resp: 36106
 Ion Ratio Lower Upper
 59 100
 57 15.0 9.3 13.9#

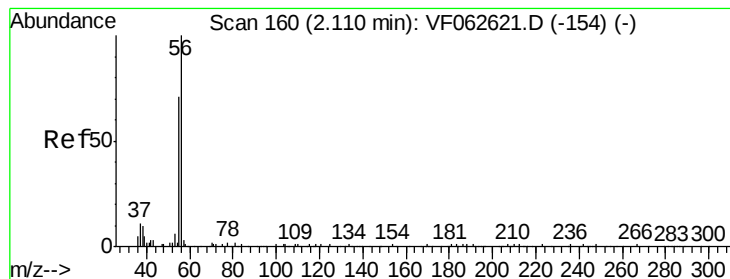


#12

1,1-Dichloroethene
 Concen: 19.243 ug/l
 RT: 1.87 min Scan# 135
 Delta R.T. -0.01 min
 Lab File: VF062699.D
 Acq: 22 May 2019 12:09

Tgt Ion: 96 Resp: 145082
 Ion Ratio Lower Upper
 96 100
 61 168.0 134.3 201.5
 98 60.7 55.0 82.6





#13

Acrolein

Concen: 85.878 ug/l

RT: 2.10 min Scan# 158

Delta R.T. -0.01 min

Lab File: VF062699.D

Acq: 22 May 2019 12:09

Instrument :

MSVOA_F

ClientSampleId :

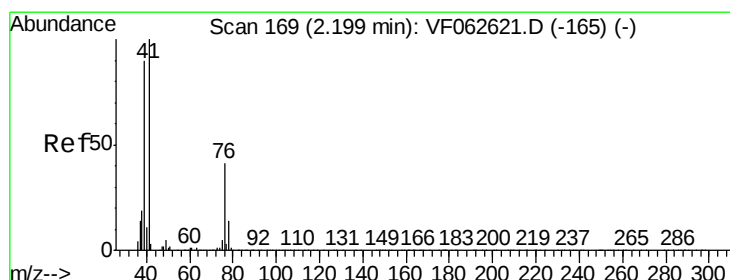
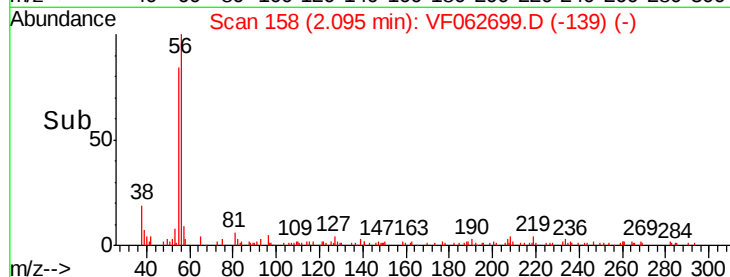
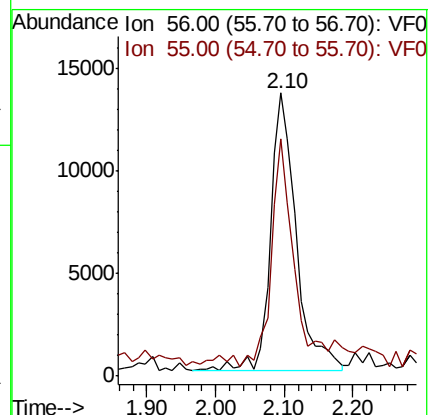
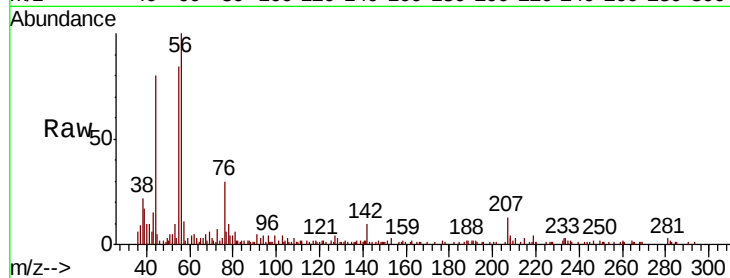
VF0522SBS01

Tot Ion: 56 Resp: 35101

Ion Ratio Lower Upper

56 100

55 84.0 59.4 89.0



#14

Allyl chloride

Concen: 22.634 ug/l

RT: 2.19 min Scan# 168

Delta R.T. -0.01 min

Lab File: VF062699.D

Acq: 22 May 2019 12:09

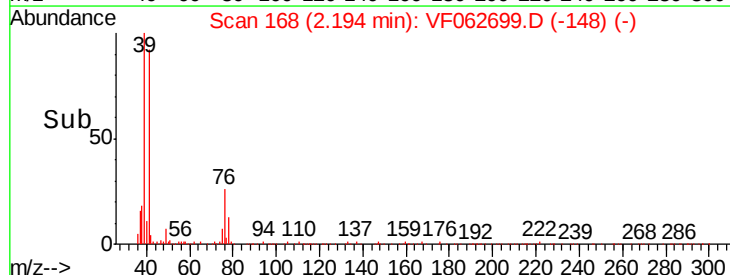
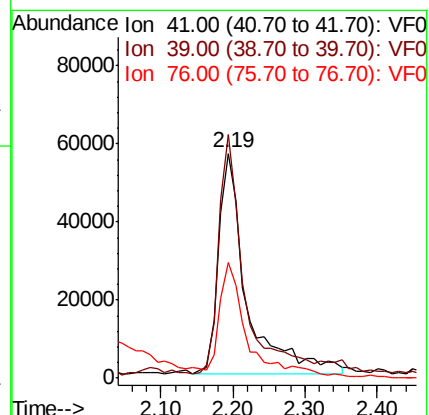
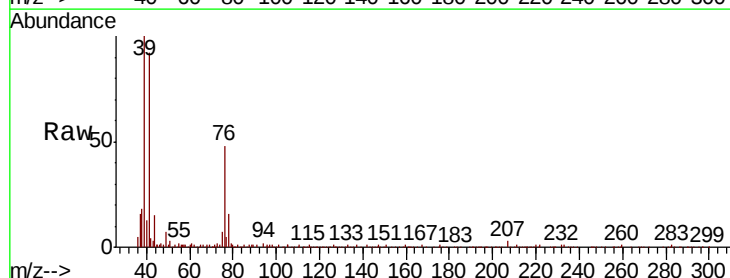
Tgt Ion: 41 Resp: 154450

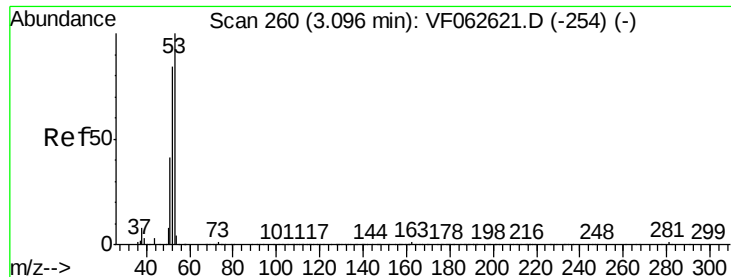
Ion Ratio Lower Upper

41 100

39 108.3 72.0 108.0#

76 51.7 34.8 52.2





#15

Acrylonitrile

Concen: 84.239 ug/l

RT: 3.08 min Scan# 258

Delta R.T. -0.01 min

Lab File: VF062699.D

Acq: 22 May 2019 12:09

Instrument :

MSVOA_F

ClientSampleId :

VF0522SBS01

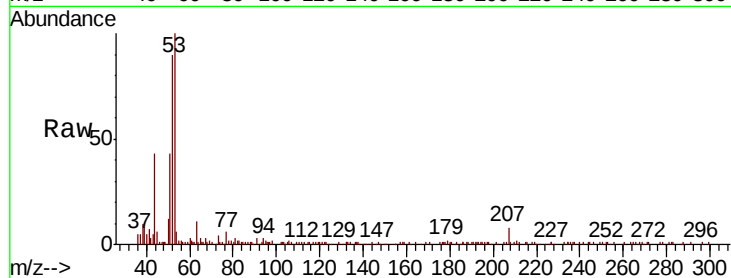
Tot Ion: 53 Resp: 93044

Ion Ratio Lower Upper

53 100

52 89.9 67.3 100.9

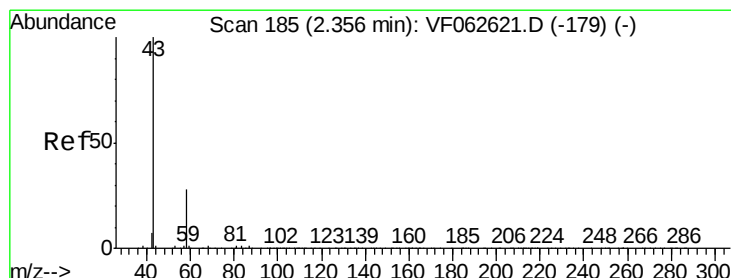
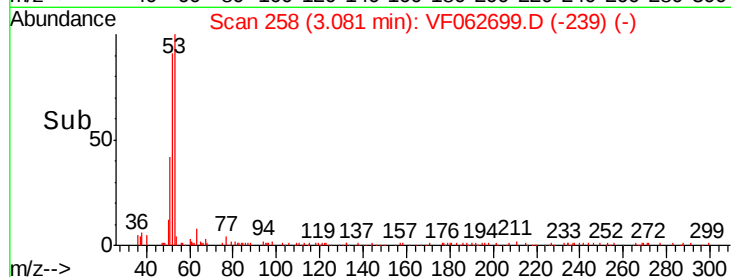
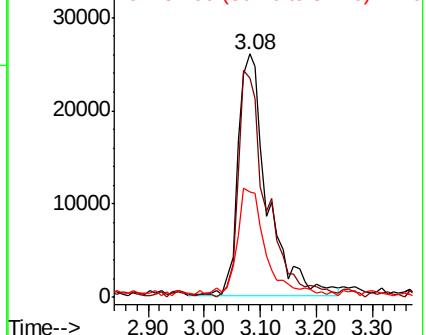
51 43.1 33.0 49.6



Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 76.489 ug/l

RT: 2.34 min Scan# 183

Delta R.T. -0.01 min

Lab File: VF062699.D

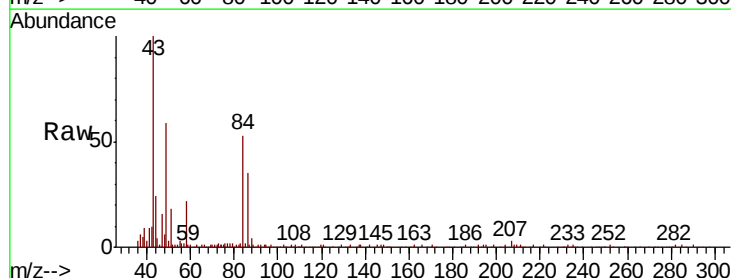
Acq: 22 May 2019 12:09

Tgt Ion: 43 Resp: 117689

Ion Ratio Lower Upper

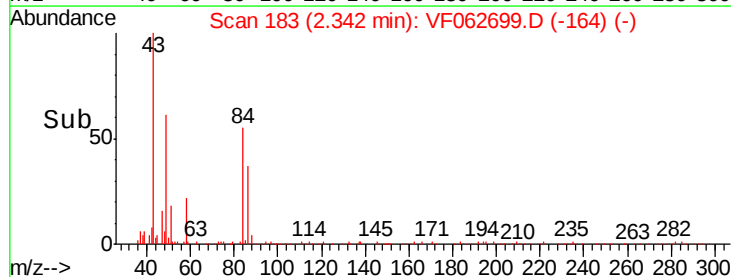
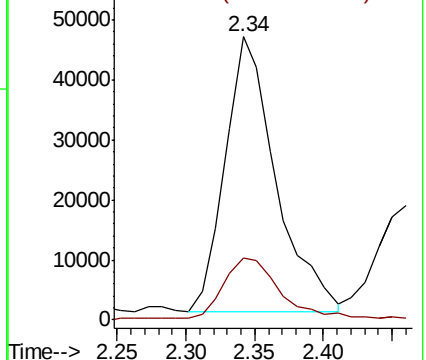
43 100

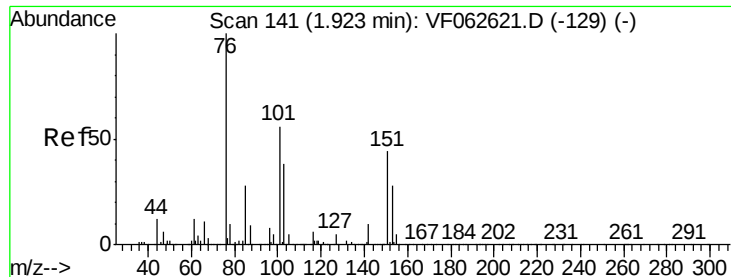
58 22.0 22.6 33.8#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#17

Carbon Disulfide

Concen: 18.252 ug/l

RT: 1.92 min Scan# 140

Delta R.T. -0.01 min

Lab File: VF062699.D

Acq: 22 May 2019 12:09

Instrument :

MSVOA_F

ClientSampleId :

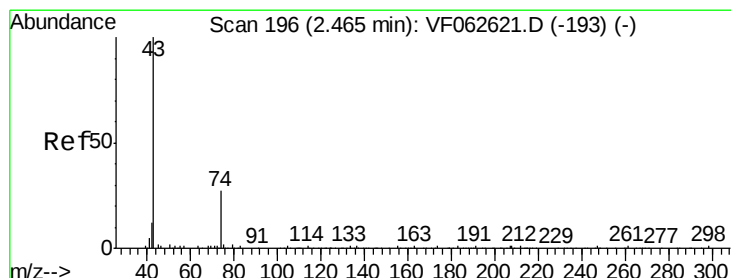
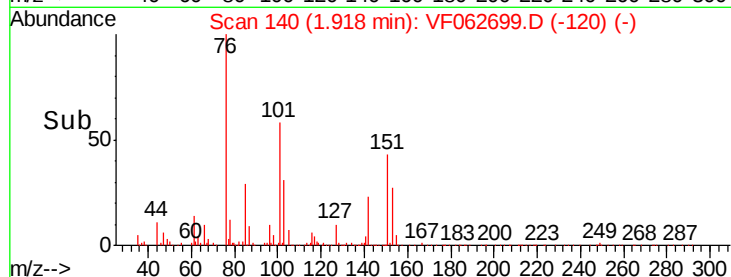
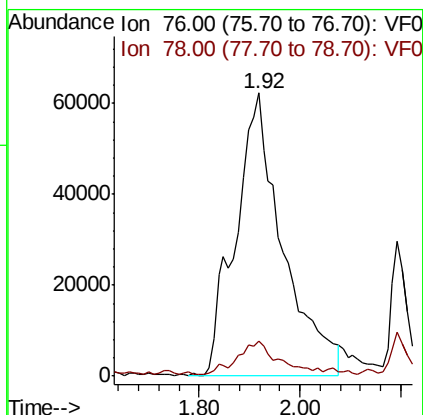
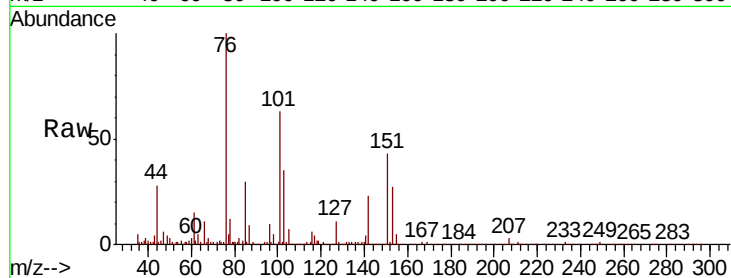
VF0522SBS01

Tot Ion: 76 Resp: 407883

Ion Ratio Lower Upper

76 100

78 12.4 8.4 12.6



#18

Methyl Acetate

Concen: 19.454 ug/l

RT: 2.46 min Scan# 195

Delta R.T. -0.01 min

Lab File: VF062699.D

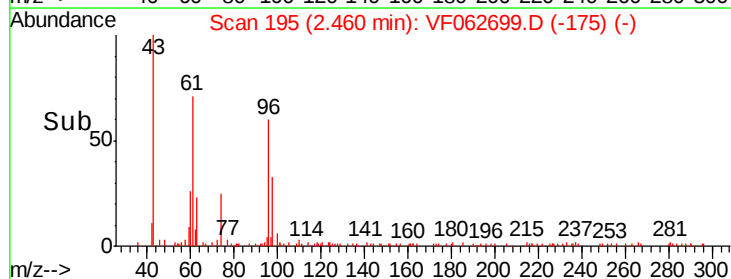
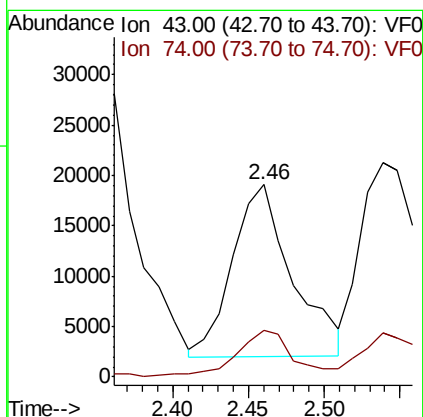
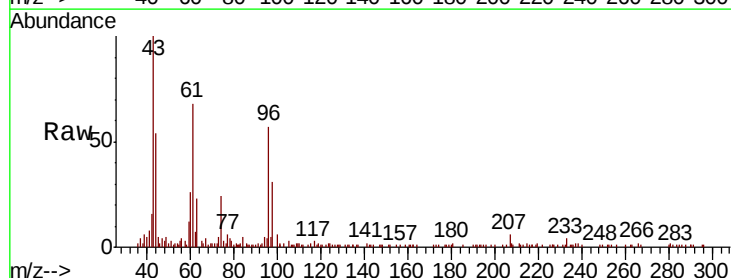
Acq: 22 May 2019 12:09

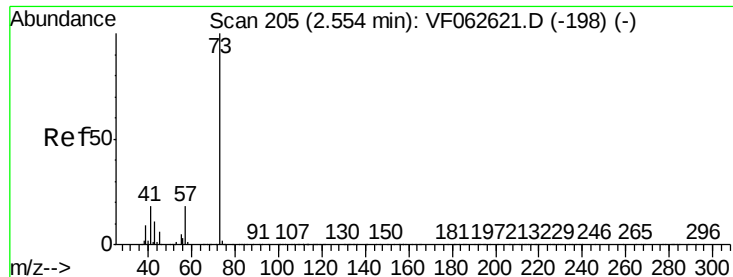
Tgt Ion: 43 Resp: 47038

Ion Ratio Lower Upper

43 100

74 24.5 18.9 28.3

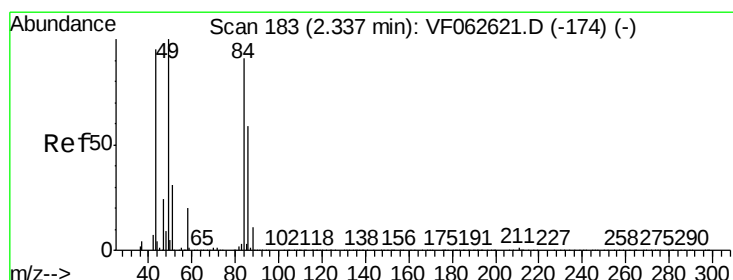
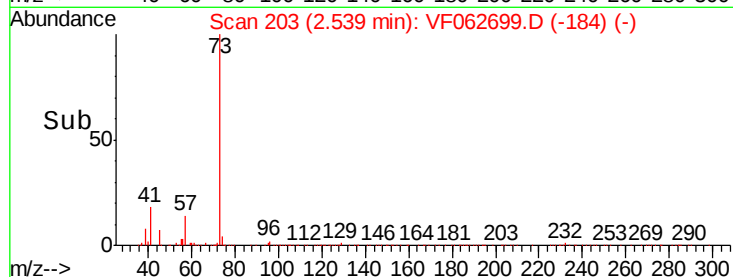
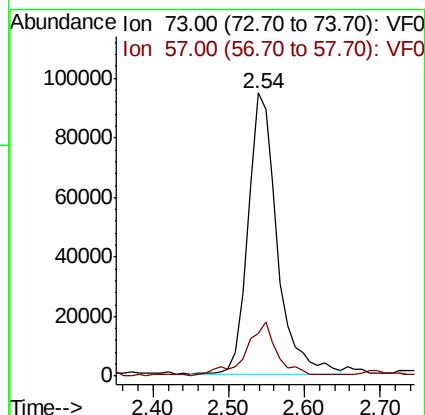
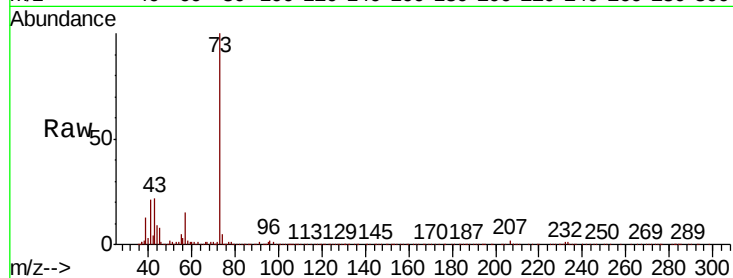




#19
Methyl tert-butyl Ether
Concen: 18.596 ug/l
RT: 2.54 min Scan# 203
Delta R.T. -0.01 min
Lab File: VF062699.D
Acq: 22 May 2019 12:09

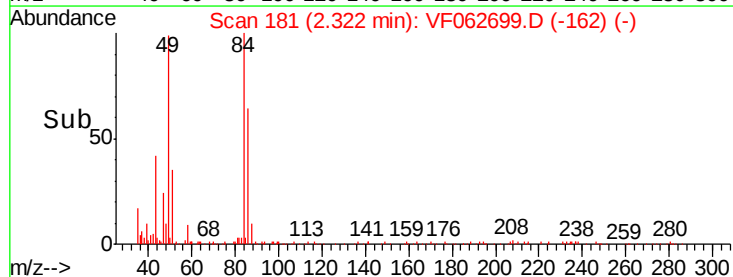
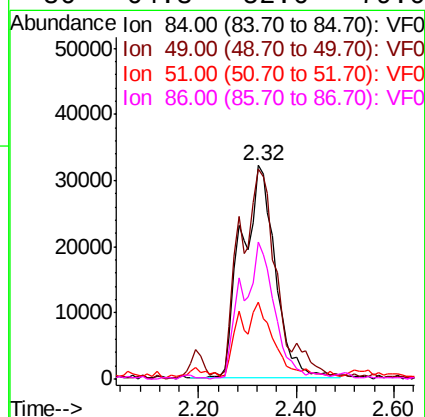
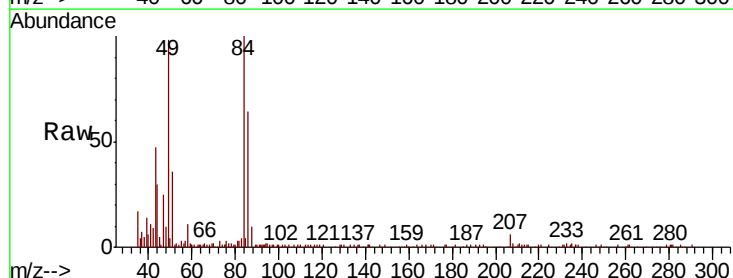
Instrument :
MSVOA_F
ClientSampleId :
VF0522SBS01

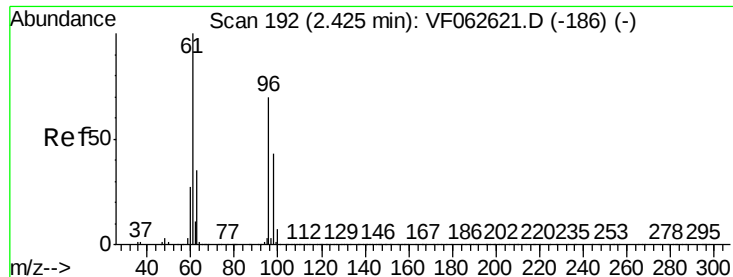
Tot Ion: 73 Resp: 250640
Ion Ratio Lower Upper
73 100
57 15.2 14.2 21.4



#20
Methylene Chloride
Concen: 20.078 ug/l
RT: 2.32 min Scan# 181
Delta R.T. -0.01 min
Lab File: VF062699.D
Acq: 22 May 2019 12:09

Tgt Ion: 84 Resp: 154853
Ion Ratio Lower Upper
84 100
49 98.1 89.8 134.8
51 35.9 28.4 42.6
86 64.3 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 20.549 ug/l

RT: 2.42 min Scan# 191

Delta R.T. -0.01 min

Lab File: VF062699.D

Acq: 22 May 2019 12:09

Instrument :

MSVOA_F

ClientSampleId :

VF0522SBS01

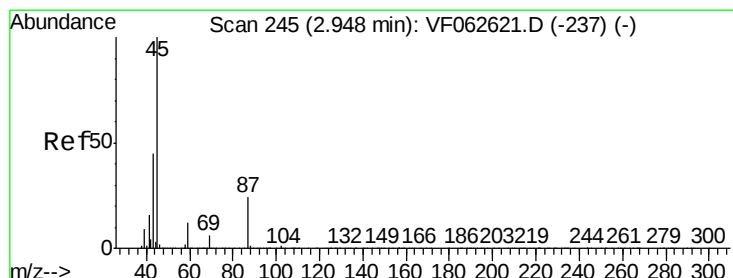
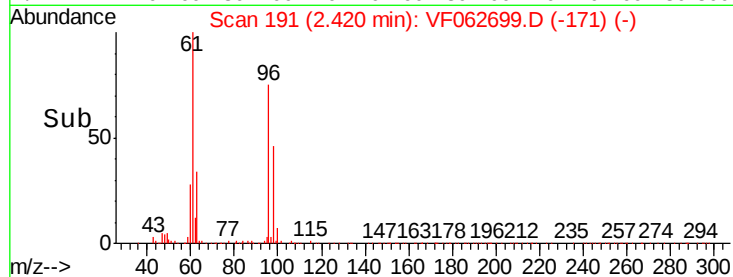
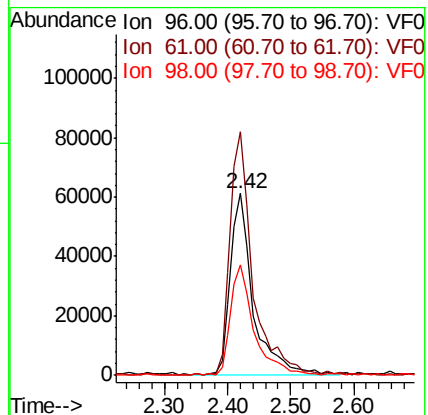
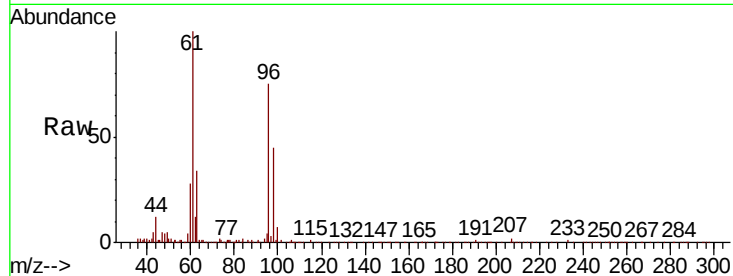
Tot Ion: 96 Resp: 151429

Ion Ratio Lower Upper

96 100

61 133.7 114.6 171.8

98 60.7 49.5 74.3



#22

Diisopropyl ether

Concen: 18.430 ug/l

RT: 2.93 min Scan# 243

Delta R.T. -0.01 min

Lab File: VF062699.D

Acq: 22 May 2019 12:09

Tgt Ion: 45 Resp: 310182

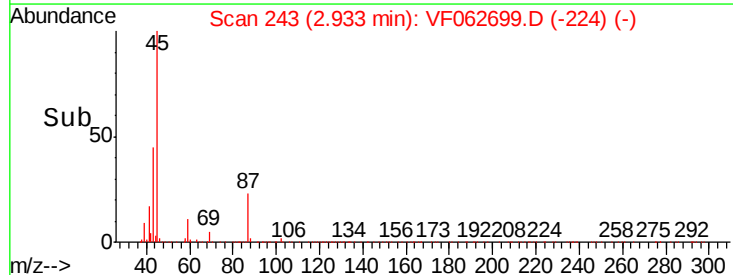
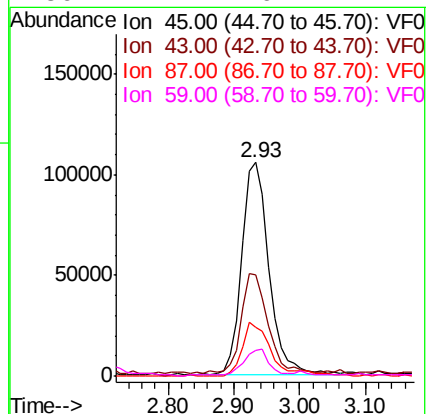
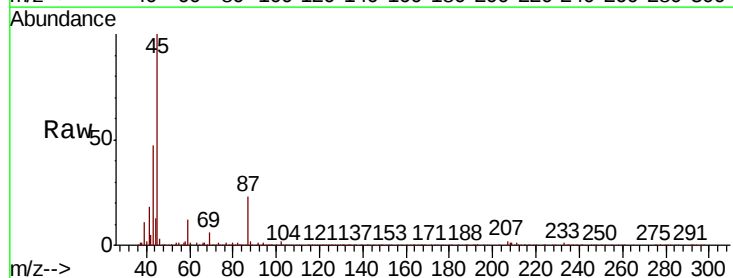
Ion Ratio Lower Upper

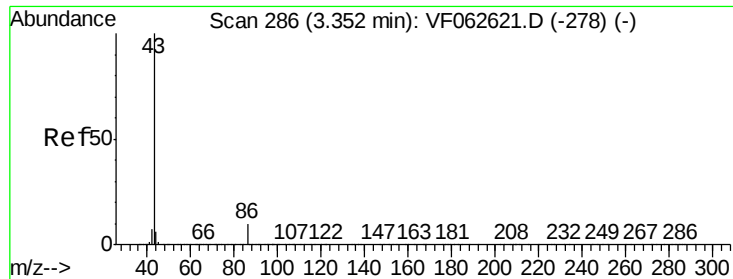
45 100

43 47.4 36.4 54.6

87 22.7 19.3 28.9

59 12.2 9.4 14.2

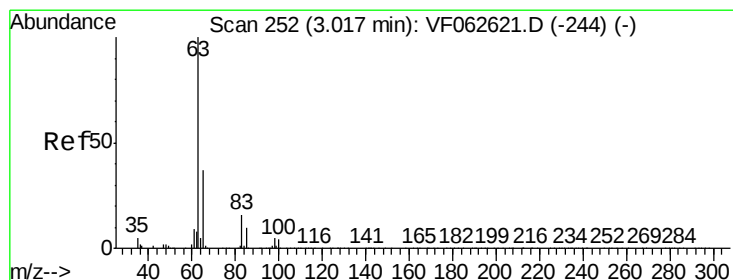
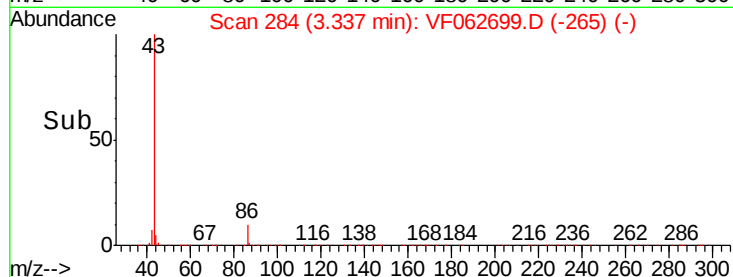
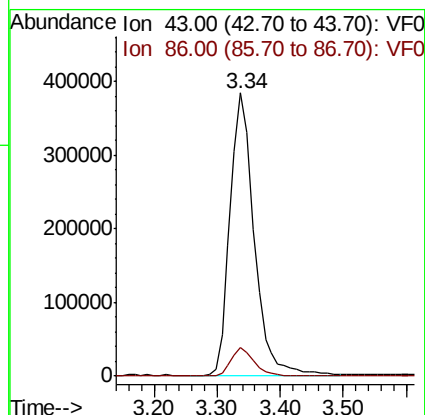
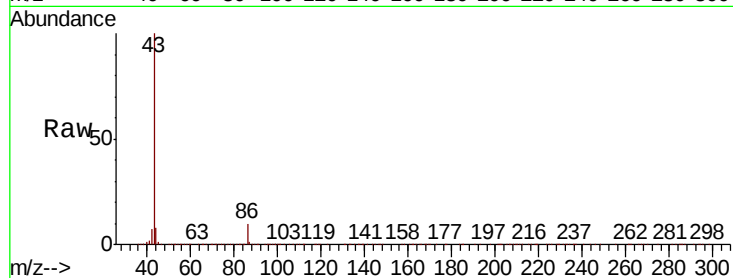




#23
 Vinyl Acetate
 Concen: 90.595 ug/l
 RT: 3.34 min Scan# 284
 Delta R.T. -0.01 min
 Lab File: VF062699.D
 Acq: 22 May 2019 12:09

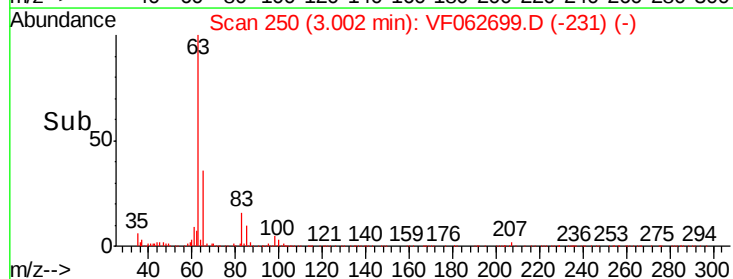
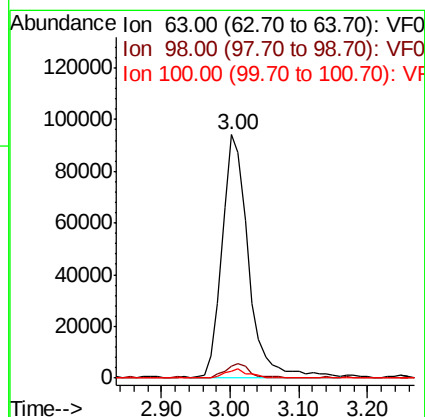
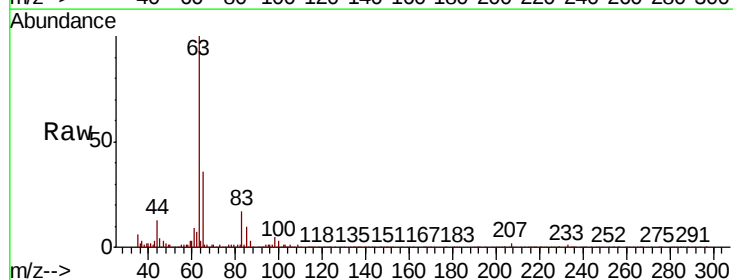
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0522SBS01

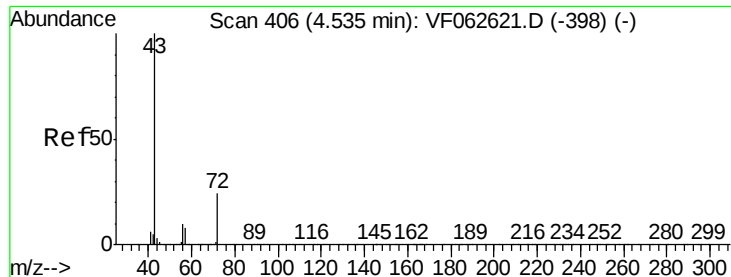
Tot Ion: 43 Resp: 1028522
 Ion Ratio Lower Upper
 43 100
 86 9.9 8.2 12.2



#24
 1,1-Dichloroethane
 Concen: 20.215 ug/l
 RT: 3.00 min Scan# 250
 Delta R.T. -0.01 min
 Lab File: VF062699.D
 Acq: 22 May 2019 12:09

Tgt Ion: 63 Resp: 249578
 Ion Ratio Lower Upper
 63 100
 98 5.1 2.8 8.3
 100 2.9 1.9 5.7





#25

2-Butanone

Concen: 79.251 ug/l

RT: 4.52 min Scan# 404

Delta R.T. -0.01 min

Lab File: VF062699.D

Acq: 22 May 2019 12:09

Instrument :

MSVOA_F

ClientSampleId :

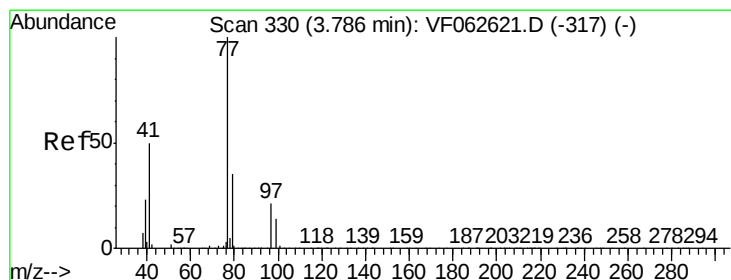
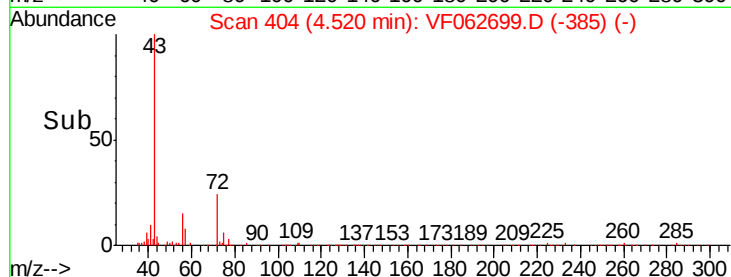
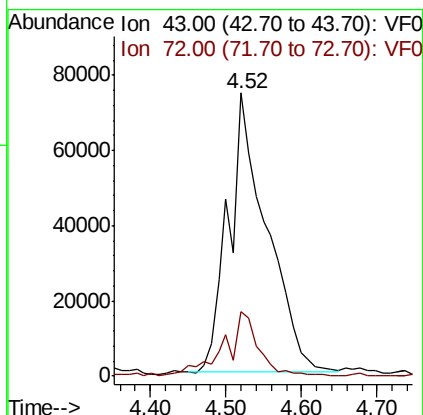
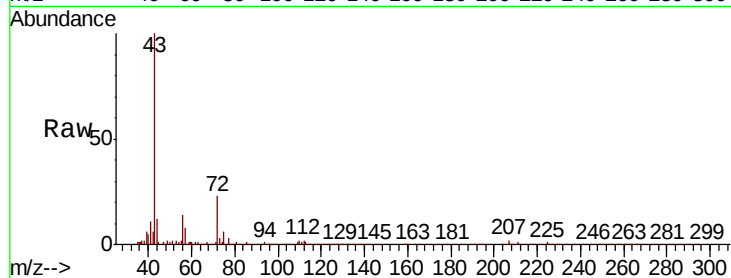
VF0522SBS01

Tot Ion: 43 Resp: 260524

Ion Ratio Lower Upper

43 100

72 22.7 20.1 30.1



#26

2,2-Dichloropropane

Concen: 20.480 ug/l

RT: 3.77 min Scan# 328

Delta R.T. -0.01 min

Lab File: VF062699.D

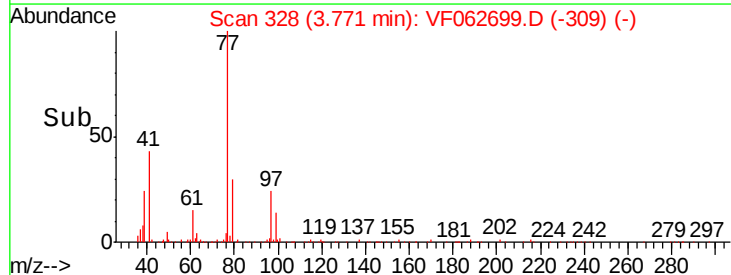
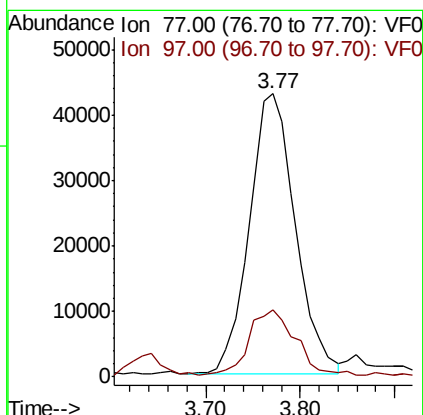
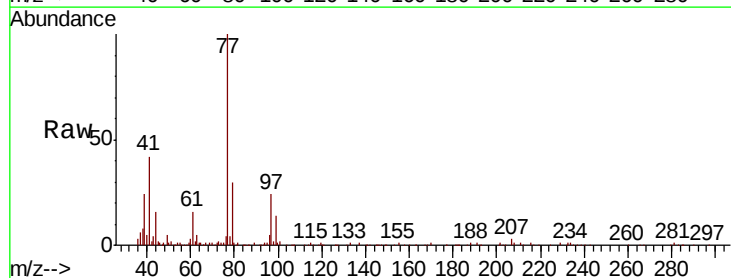
Acq: 22 May 2019 12:09

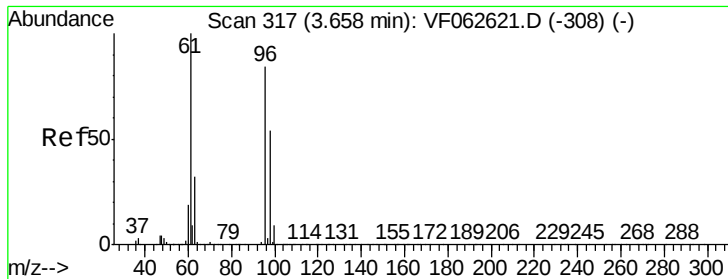
Tgt Ion: 77 Resp: 144676

Ion Ratio Lower Upper

77 100

97 23.8 14.1 42.4



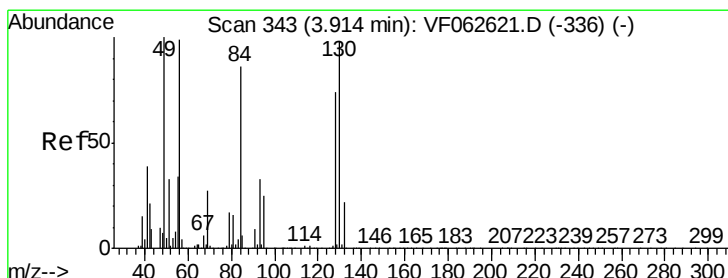
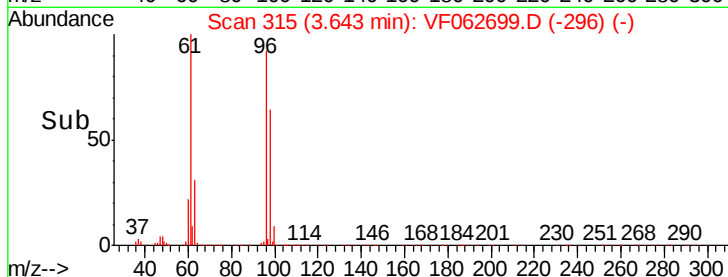
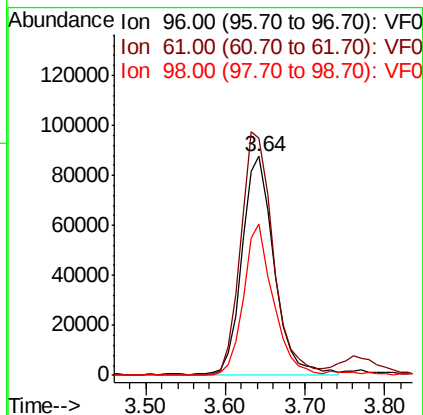
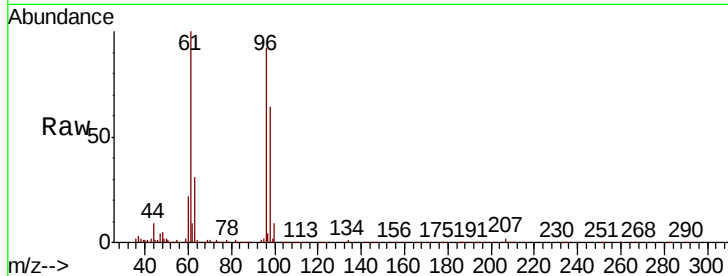


#27

cis-1,2-Dichloroethene
 Concen: 19.814 ug/l
 RT: 3.64 min Scan# 315
 Delta R.T. -0.01 min
 Lab File: VF062699.D
 Acq: 22 May 2019 12:09

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0522SBS01

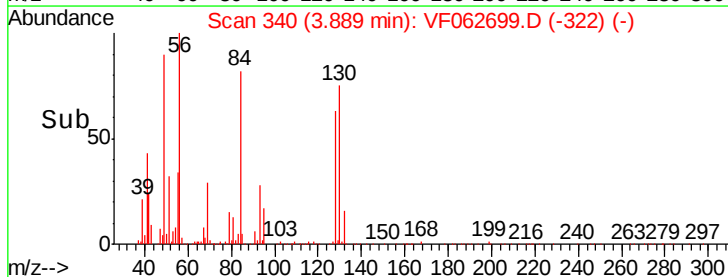
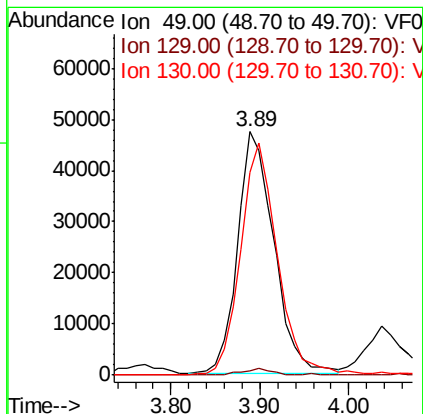
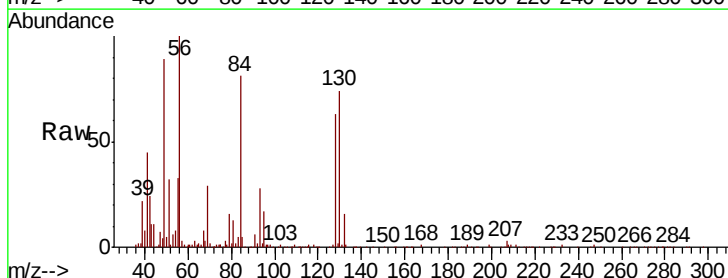
Tot Ion	Ratio	Lower	Upper
96	100		
61	108.2	0.0	237.4
98	69.0	0.0	129.0

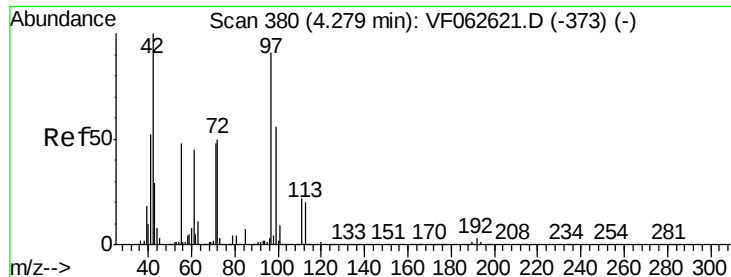


#28

Bromochloromethane
 Concen: 19.362 ug/l
 RT: 3.89 min Scan# 340
 Delta R.T. -0.02 min
 Lab File: VF062699.D
 Acq: 22 May 2019 12:09

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.0
130	83.2	77.8	116.8

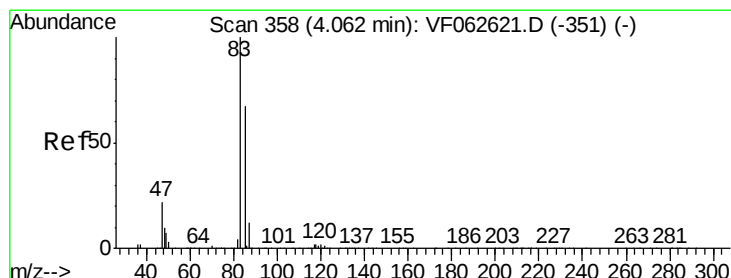
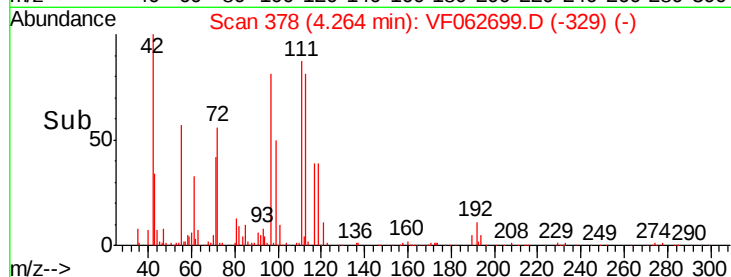
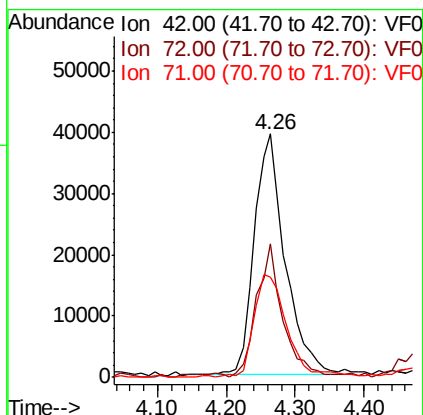
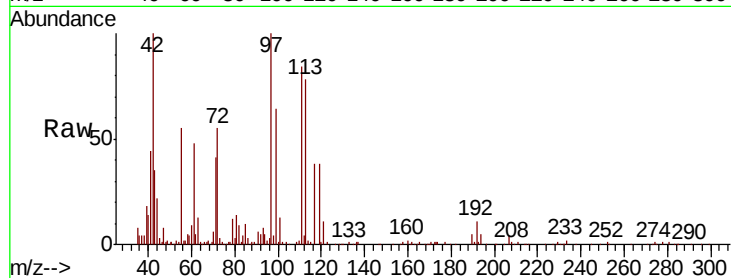




#29
Tetrahydrofuran
Concen: 92.437 ug/l
RT: 4.26 min Scan# 378
Delta R.T. -0.01 min
Lab File: VF062699.D
Acq: 22 May 2019 12:09

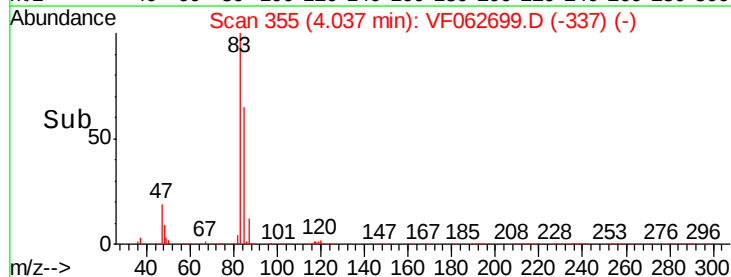
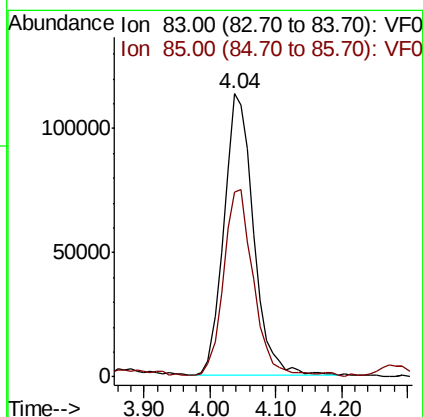
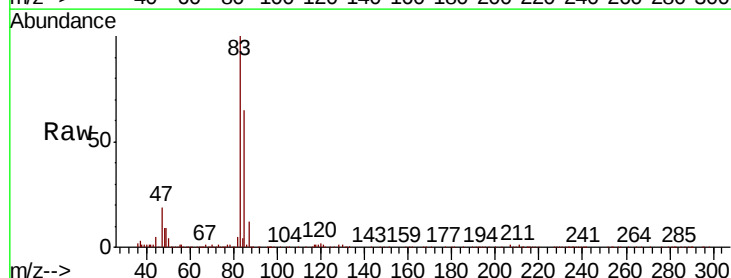
Instrument :
MSVOA_F
ClientSampleId :
VF0522SBS01

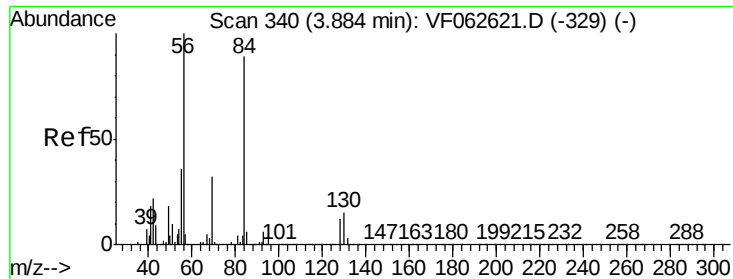
Tot Ion	Ratio	Lower	Upper
42	100		
72	47.1	38.2	57.2
71	44.5	35.8	53.6



#30
Chloroform
Concen: 20.793 ug/l
RT: 4.04 min Scan# 355
Delta R.T. -0.02 min
Lab File: VF062699.D
Acq: 22 May 2019 12:09

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	53.6	80.4

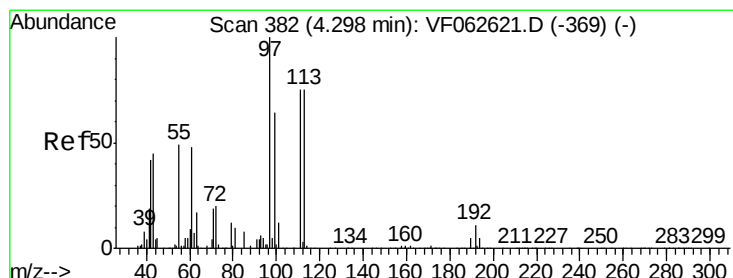
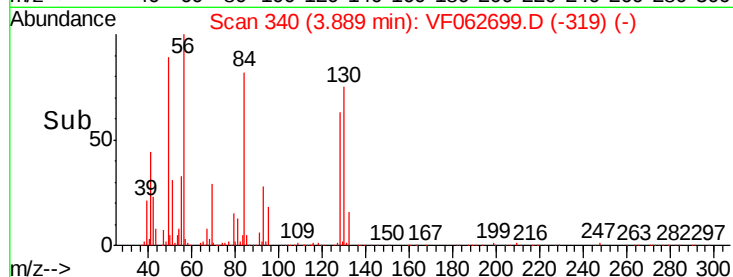
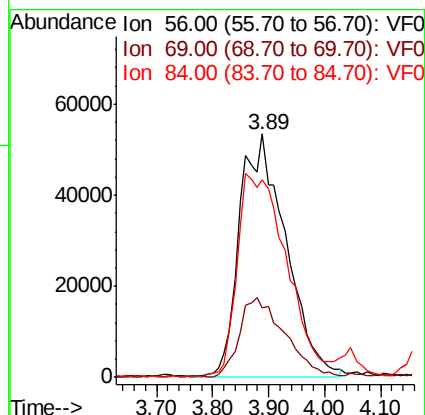
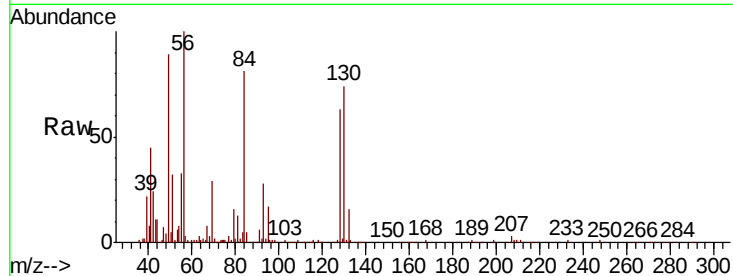




#31
Cyclohexane
Concen: 18.321 ug/l
RT: 3.89 min Scan# 340
Delta R.T. 0.00 min
Lab File: VF062699.D
Acq: 22 May 2019 12:09

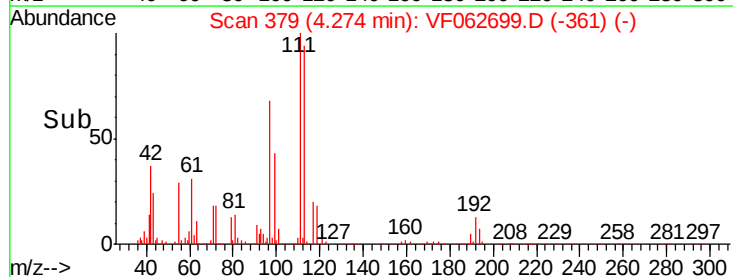
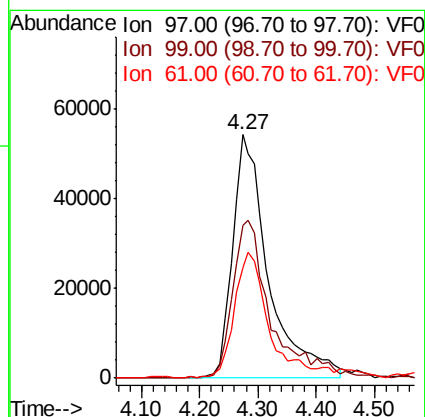
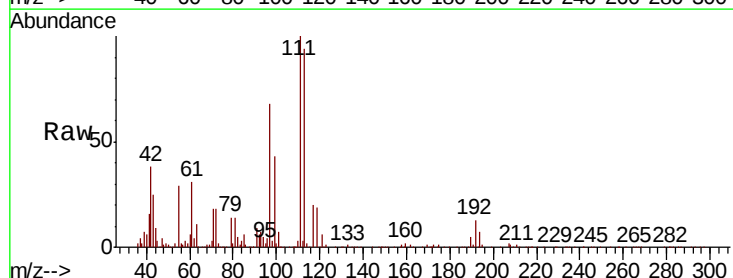
Instrument :
MSVOA_F
ClientSampleId :
VF0522SBS01

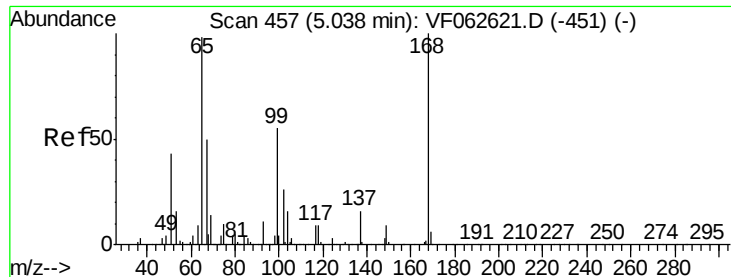
Tot Ion: 56 Resp: 303713
Ion Ratio Lower Upper
56 100
69 28.8 25.3 37.9
84 81.2 71.0 106.4



#32
1,1,1-Trichloroethane
Concen: 20.214 ug/l
RT: 4.27 min Scan# 379
Delta R.T. -0.02 min
Lab File: VF062699.D
Acq: 22 May 2019 12:09

Tgt Ion: 97 Resp: 230123
Ion Ratio Lower Upper
97 100
99 62.5 51.3 76.9
61 45.4 38.2 57.2





#33

1,2-Dichloroethane-d4

Concen: 47.939 ug/l

RT: 5.02 min Scan# 455

Delta R.T. -0.01 min

Lab File: VF062699.D

Acq: 22 May 2019 12:09

Instrument :

MSVOA_F

ClientSampleId :

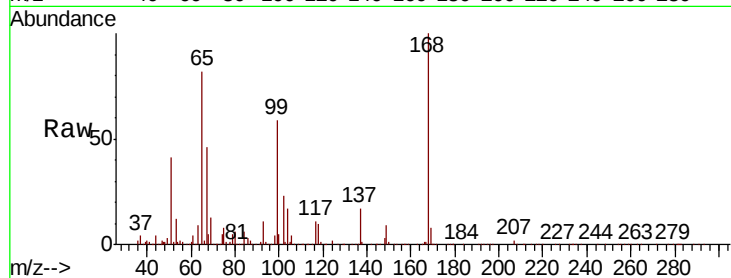
VF0522SBS01

Tot Ion: 65 Resp: 284317

Ion Ratio Lower Upper

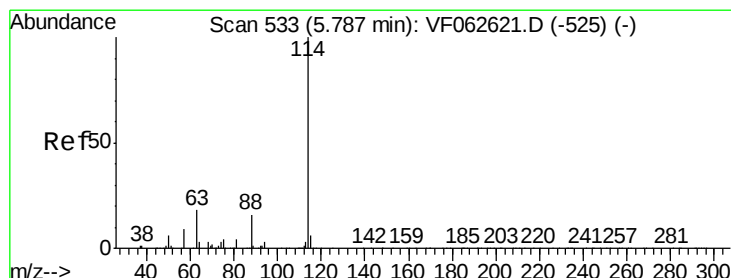
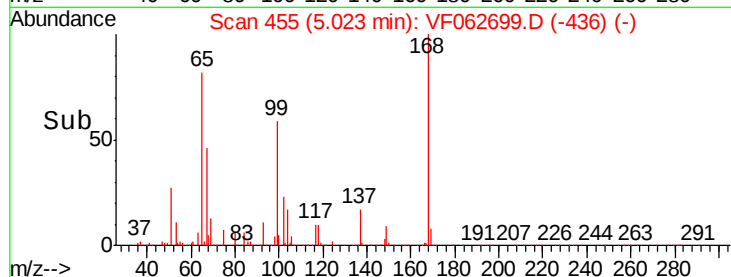
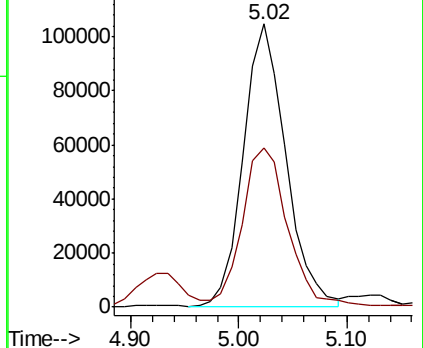
65 100

67 56.4 0.0 117.6



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.76 min Scan# 530

Delta R.T. -0.02 min

Lab File: VF062699.D

Acq: 22 May 2019 12:09

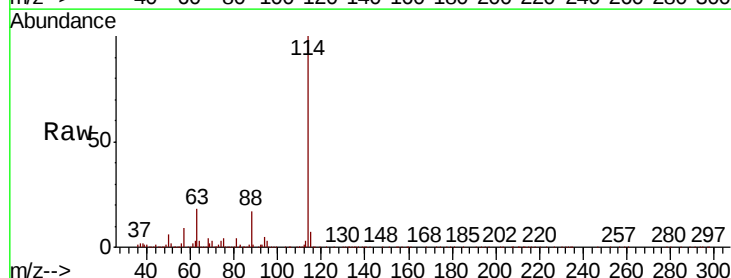
Tgt Ion: 114 Resp: 1315246

Ion Ratio Lower Upper

114 100

63 17.5 0.0 35.4

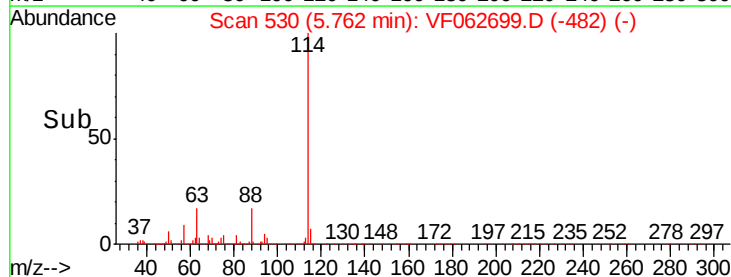
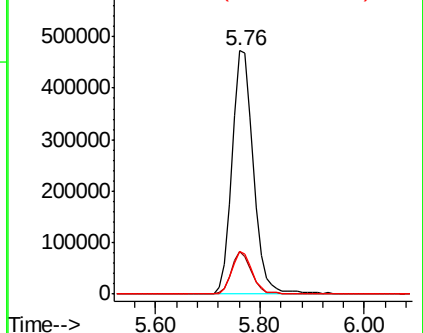
88 17.5 0.0 32.4

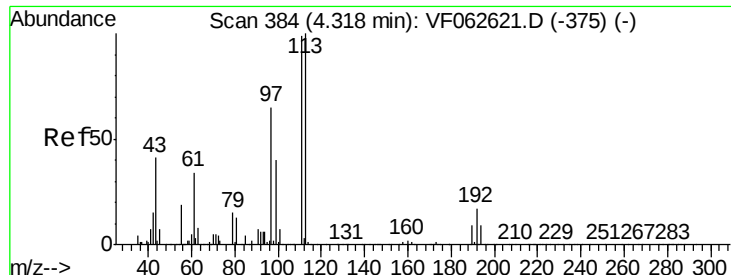


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

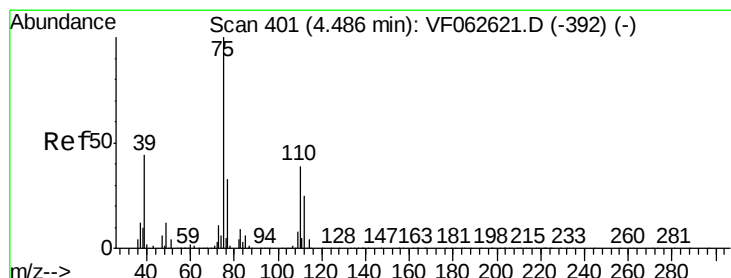
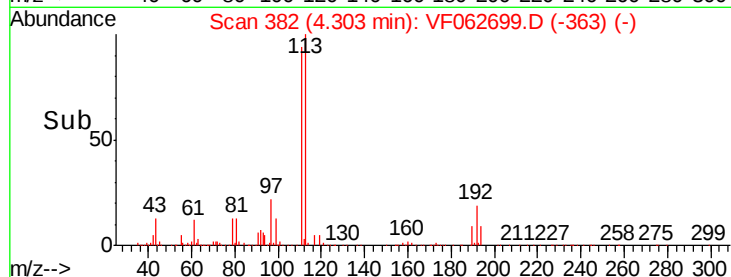
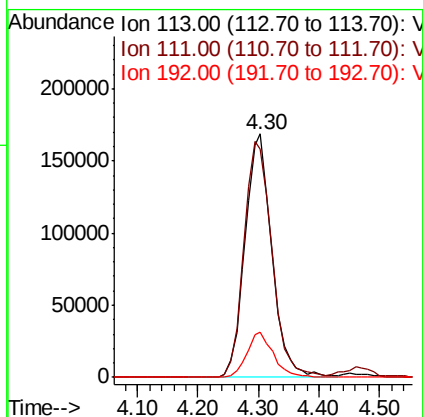
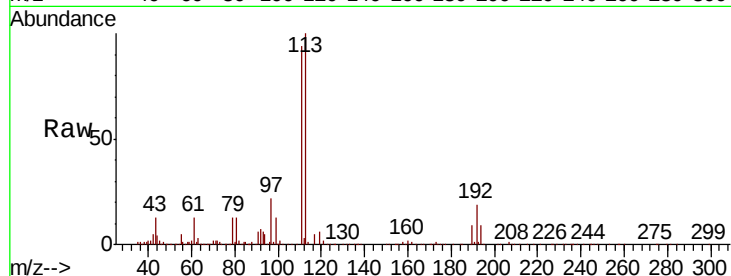




#35
 Dibromofluoromethane
 Concen: 51.764 ug/l
 RT: 4.30 min Scan# 382
 Delta R.T. -0.01 min
 Lab File: VF062699.D
 Acq: 22 May 2019 12:09

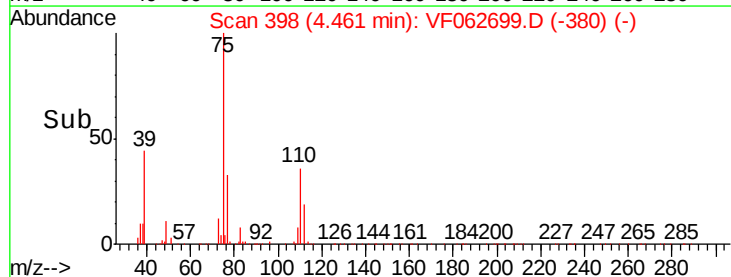
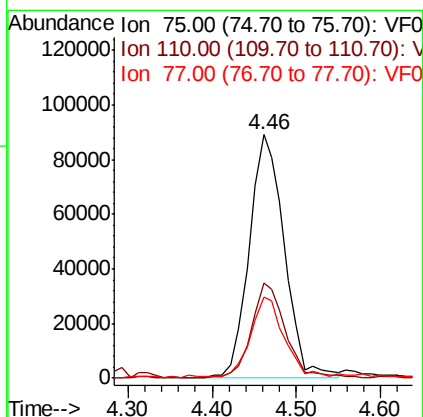
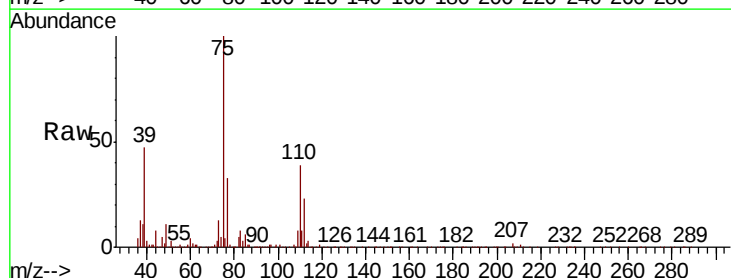
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0522SBS01

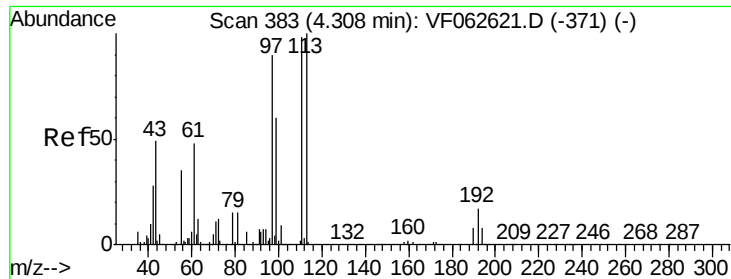
Tot Ion	Ratio	Lower	Upper
113	100		
111	93.9	79.4	119.2
192	18.7	13.4	20.2



#36
 1,1-Dichloropropene
 Concen: 19.316 ug/l
 RT: 4.46 min Scan# 398
 Delta R.T. -0.02 min
 Lab File: VF062699.D
 Acq: 22 May 2019 12:09

Tgt Ion	Ratio	Lower	Upper
75	100		
110	38.9	19.7	59.1
77	33.1	26.3	39.5

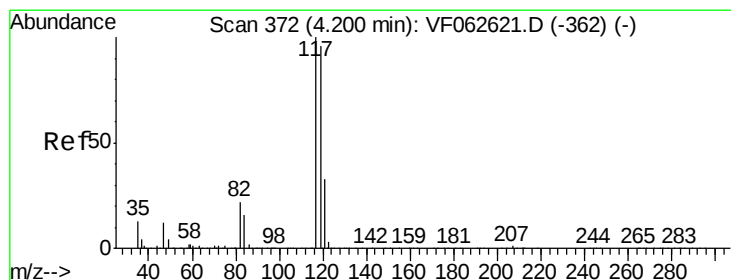
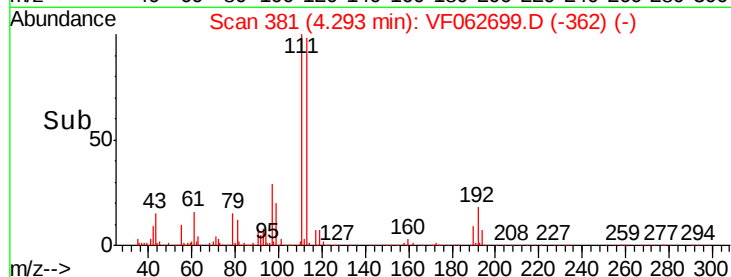
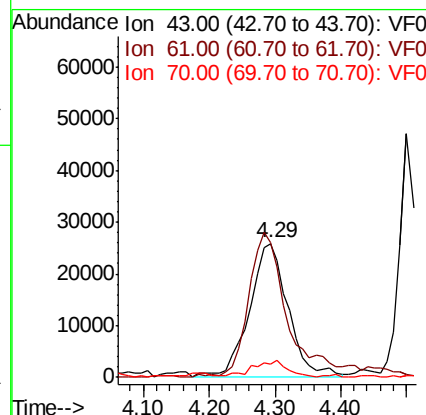
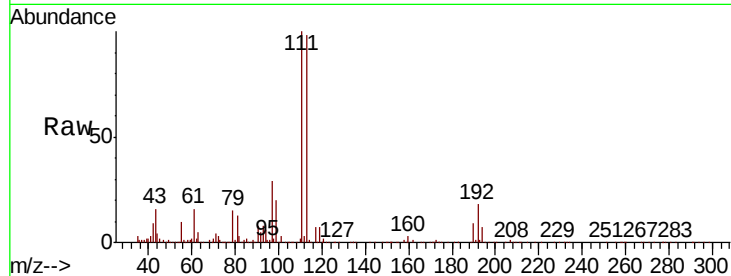




#37
Ethyl Acetate
Concen: 19.488 ug/l
RT: 4.29 min Scan# 381
Delta R.T. -0.01 min
Lab File: VF062699.D
Acq: 22 May 2019 12:09

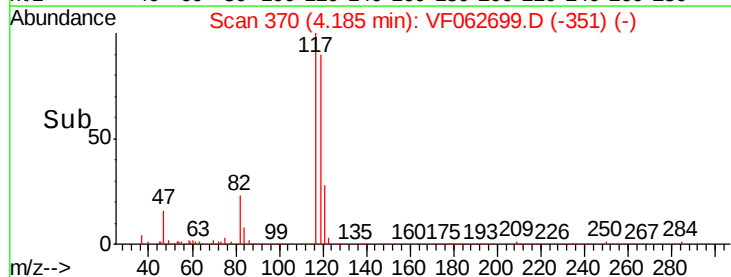
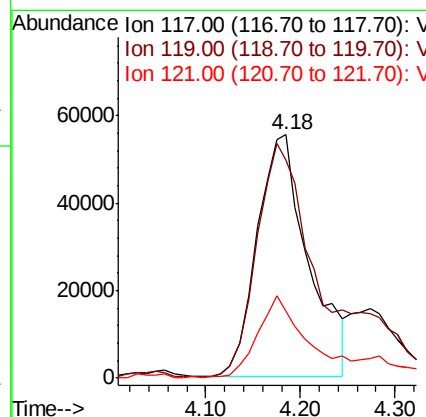
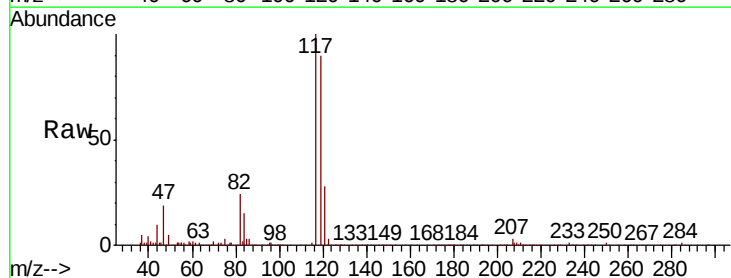
Instrument :
MSVOA_F
ClientSampleId :
VF0522SBS01

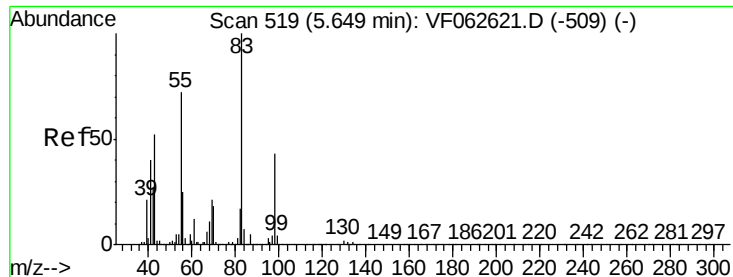
Tot Ion	43	Resp	107237
Ion Ratio	Lower	Upper	
43	100		
61	100.7	76.9	115.3
70	9.8	8.8	13.2



#38
Carbon Tetrachloride
Concen: 20.710 ug/l
RT: 4.18 min Scan# 370
Delta R.T. -0.01 min
Lab File: VF062699.D
Acq: 22 May 2019 12:09

Tgt Ion	117	Resp	209917
Ion Ratio	Lower	Upper	
117	100		
119	89.6	76.7	115.1
121	27.6	26.6	40.0

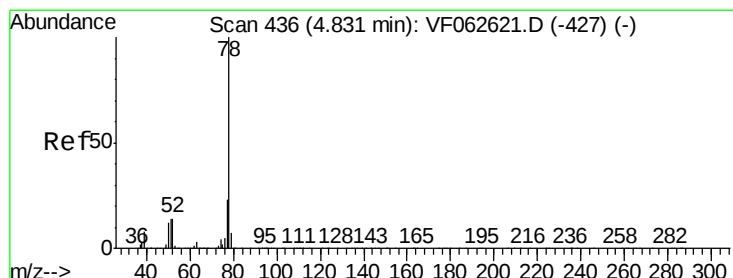
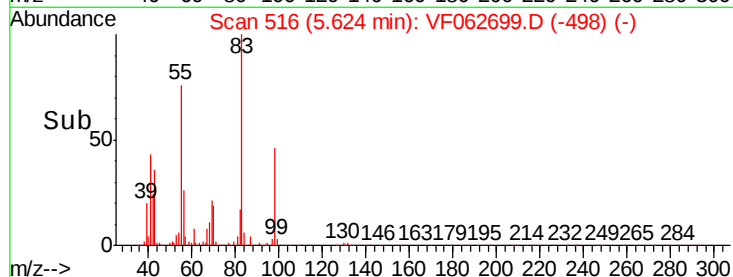
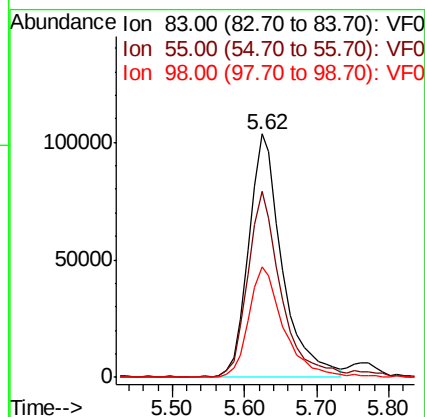
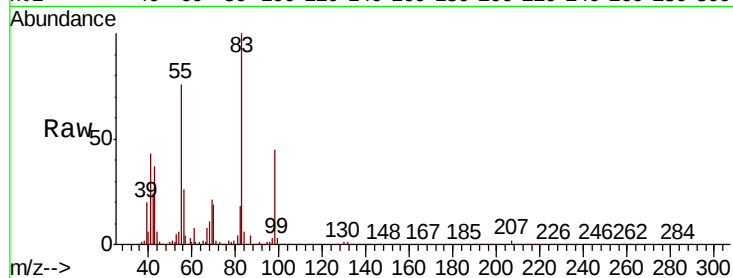




#39
Methvlcvclohexane
Concen: 20.818 ug/l
RT: 5.62 min Scan# 516
Delta R.T. -0.02 min
Lab File: VF062699.D
Acq: 22 May 2019 12:09

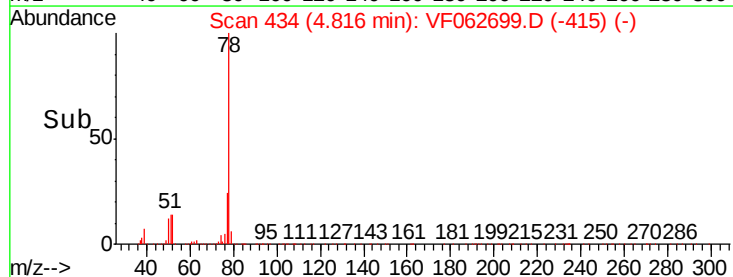
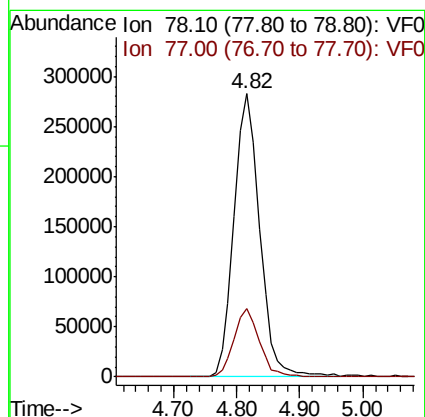
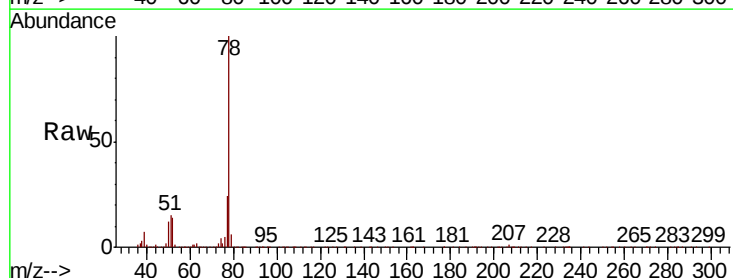
Instrument :
MSVOA_F
ClientSampleId :
VF0522SBS01

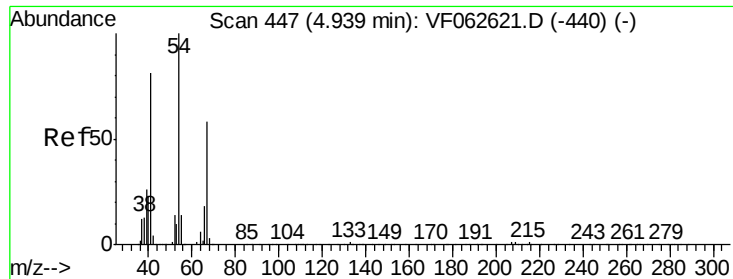
Tot Ion: 83 Resp: 337595
Ion Ratio Lower Upper
83 100
55 76.2 57.9 86.9
98 45.5 34.6 52.0



#40
Benzene
Concen: 21.698 ug/l
RT: 4.82 min Scan# 434
Delta R.T. -0.01 min
Lab File: VF062699.D
Acq: 22 May 2019 12:09

Tgt Ion: 78 Resp: 796671
Ion Ratio Lower Upper
78 100
77 23.9 18.2 27.2

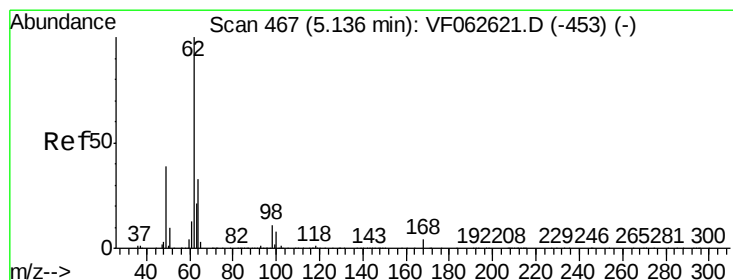
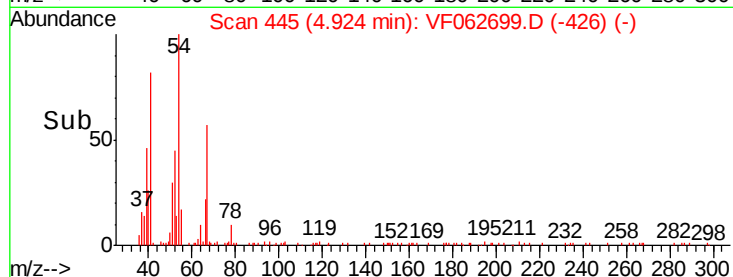
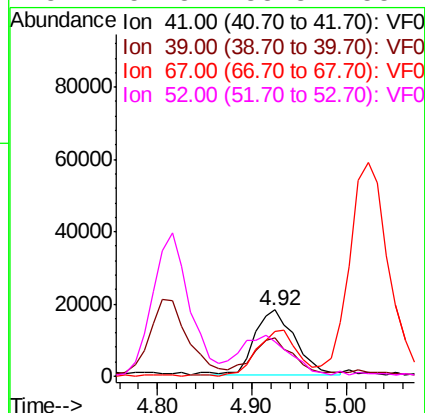
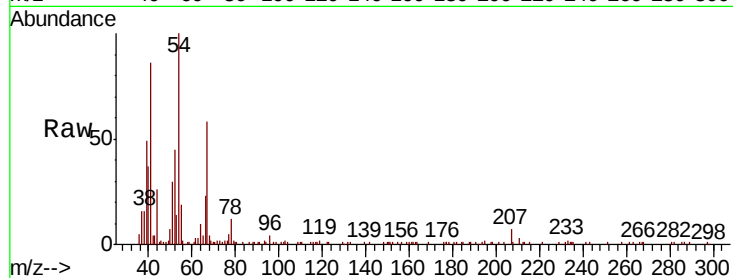




#41
Methacrylonitrile
Concen: 18.592 ug/l
RT: 4.92 min Scan# 445
Delta R.T. -0.01 min
Lab File: VF062699.D
Acq: 22 May 2019 12:09

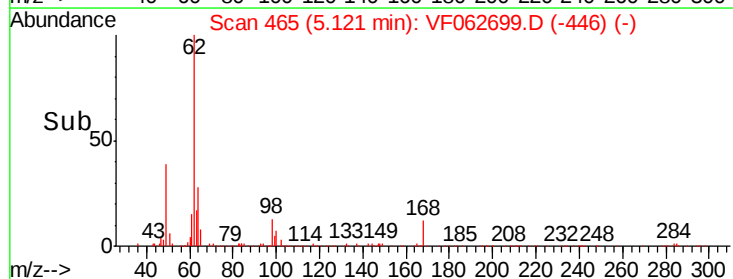
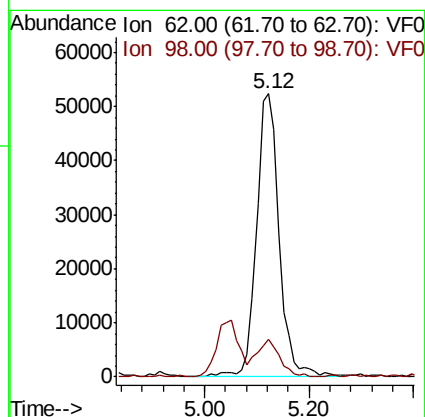
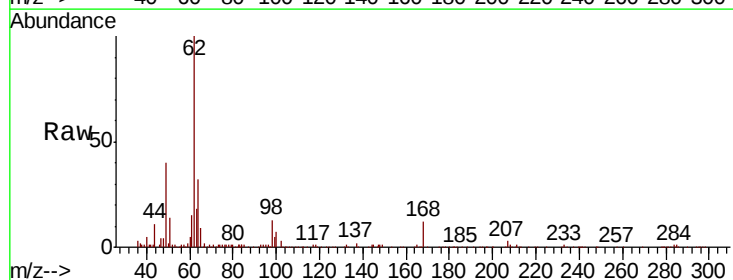
Instrument :
MSVOA_F
ClientSampleId :
VF0522SBS01

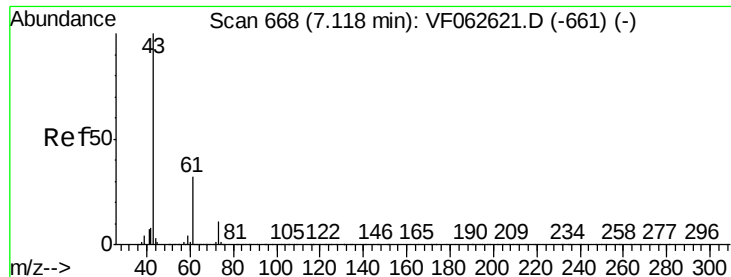
Tot Ion:	41	Resp:	53637
Ion	Ratio	Lower	Upper
41	100		
39	57.1	42.2	63.2
67	67.9	56.4	84.6
52	52.8	38.8	58.2



#42
1,2-Dichloroethane
Concen: 20.920 ug/l
RT: 5.12 min Scan# 465
Delta R.T. -0.01 min
Lab File: VF062699.D
Acq: 22 May 2019 12:09

Tgt Ion:	62	Resp:	153170
Ion	Ratio	Lower	Upper
62	100		
98	13.3	0.0	21.6





#43

Isopropyl Acetate

Concen: 15.984 ug/l

RT: 7.10 min Scan# 666

Delta R.T. -0.01 min

Lab File: VF062699.D

Acq: 22 May 2019 12:09

Instrument :

MSVOA_F

ClientSampleId :

VF0522SBS01

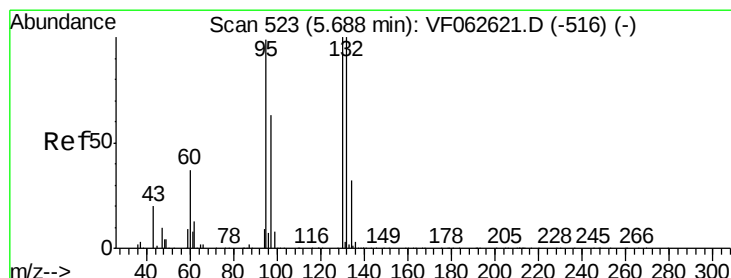
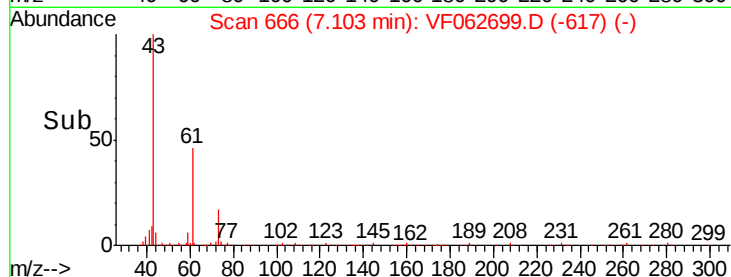
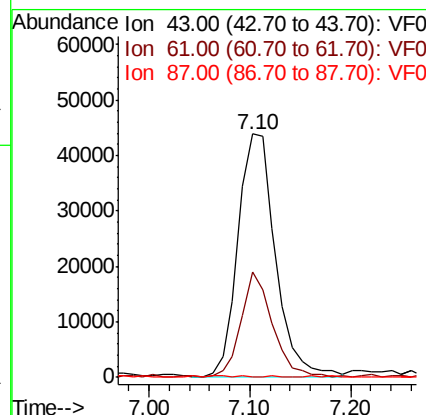
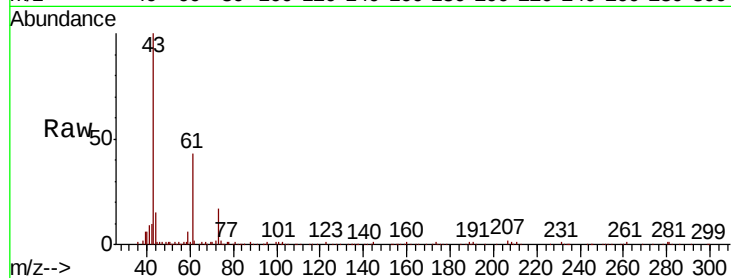
Tot Ion: 43 Resp: 113951

Ion Ratio Lower Upper

43 100

61 43.4 25.8 38.8#

87 0.0 0.4 0.6#



#44

Trichloroethene

Concen: 21.341 ug/l

RT: 5.67 min Scan# 521

Delta R.T. -0.01 min

Lab File: VF062699.D

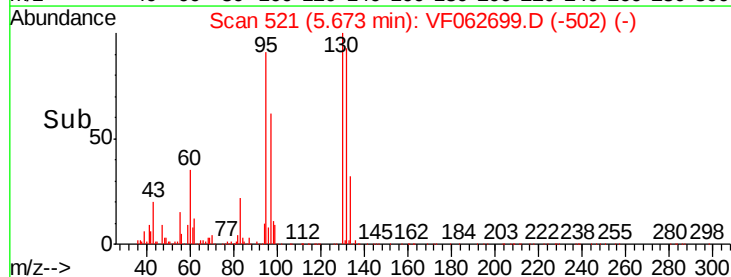
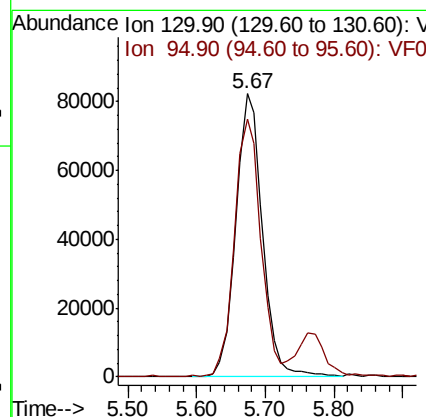
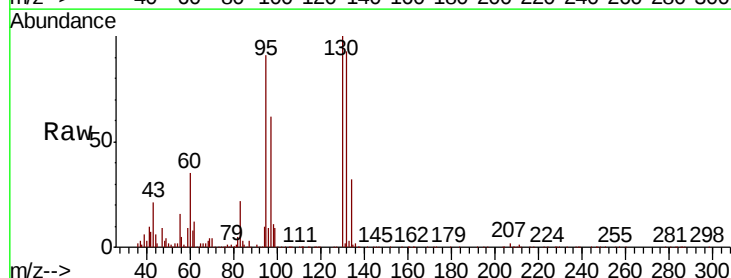
Acq: 22 May 2019 12:09

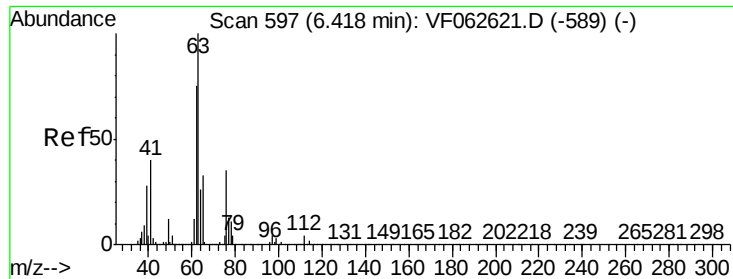
Tgt Ion: 130 Resp: 220222

Ion Ratio Lower Upper

130 100

95 91.1 0.0 199.4

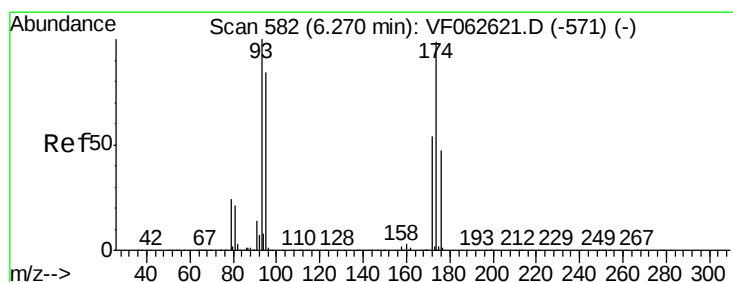
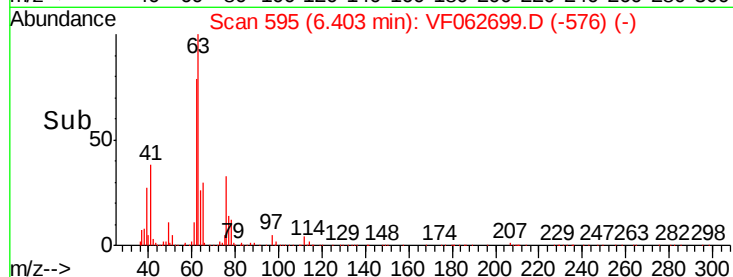
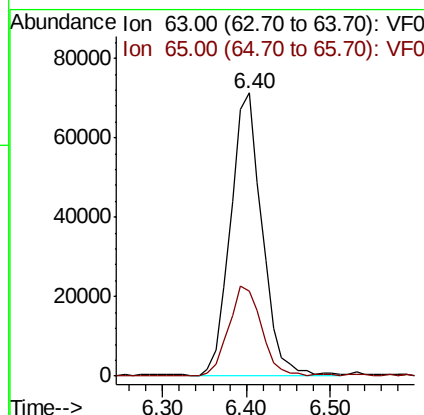
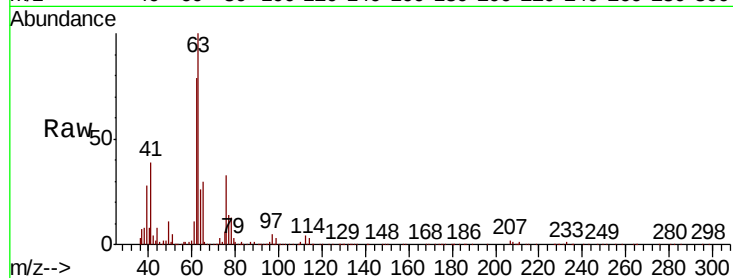




#45
 1,2-Dichloropropane
 Concen: 20.212 ug/l
 RT: 6.40 min Scan# 595
 Delta R.T. -0.01 min
 Lab File: VF062699.D
 Acq: 22 May 2019 12:09

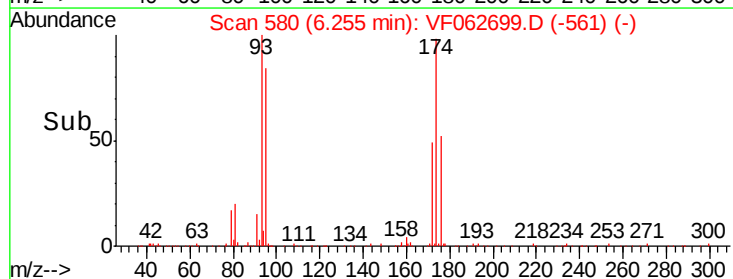
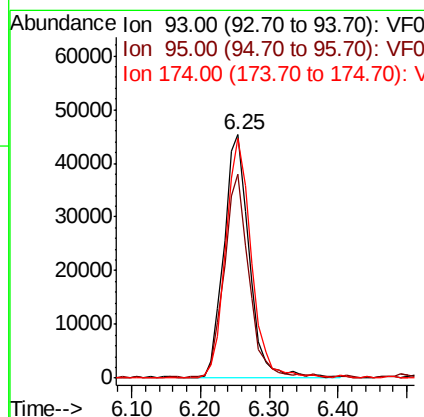
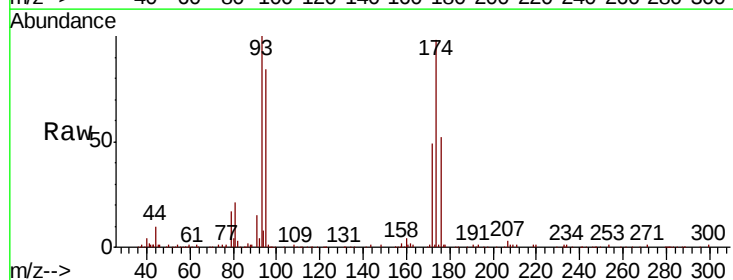
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0522SBS01

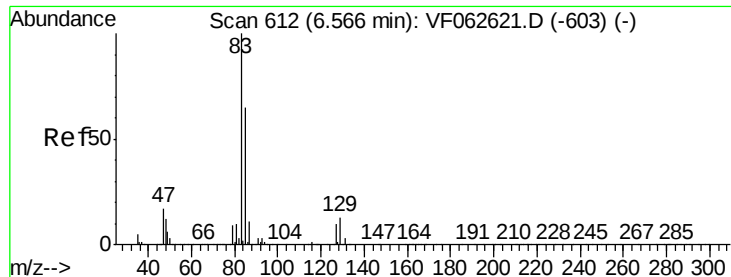
Tot Ion: 63 Resp: 187331
 Ion Ratio Lower Upper
 63 100
 65 30.2 26.3 39.5



#46
 Dibromomethane
 Concen: 21.736 ug/l
 RT: 6.25 min Scan# 580
 Delta R.T. -0.01 min
 Lab File: VF062699.D
 Acq: 22 May 2019 12:09

Tgt Ion: 93 Resp: 116427
 Ion Ratio Lower Upper
 93 100
 95 83.6 67.4 101.2
 174 98.5 79.4 119.2





#47

Bromodichloromethane

Concen: 20.652 ug/l

RT: 6.54 min Scan# 609

Delta R.T. -0.02 min

Lab File: VF062699.D

Acq: 22 May 2019 12:09

Instrument :

MSVOA_F

ClientSampleId :

VF0522SBS01

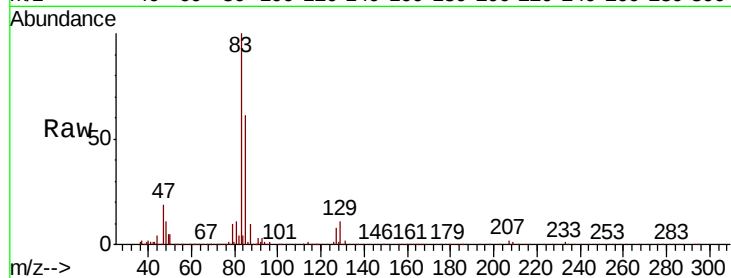
Tot Ion: 83 Resp: 229654

Ion Ratio Lower Upper

83 100

85 60.6 52.0 78.0

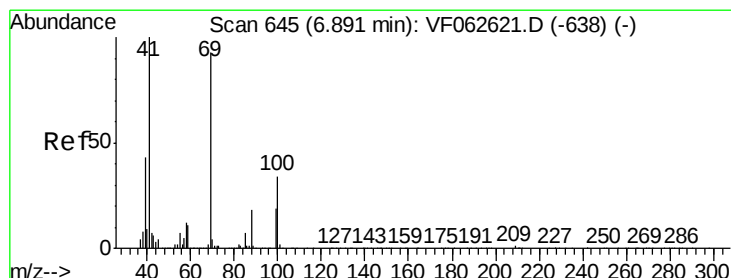
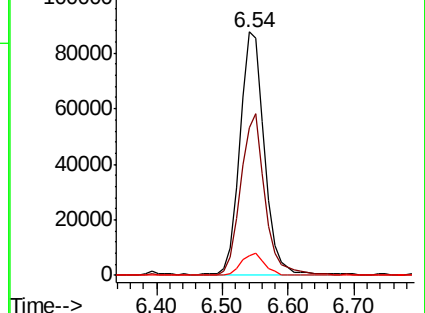
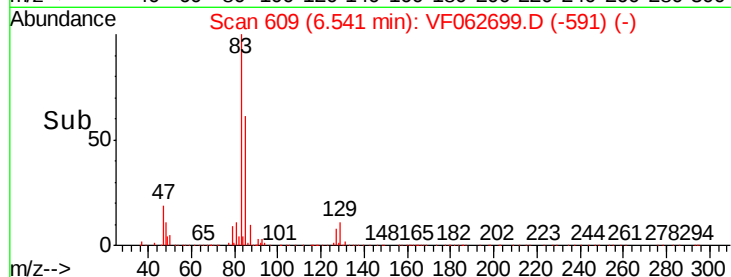
127 8.1 7.7 11.5



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: 17.257 ug/l

RT: 6.87 min Scan# 642

Delta R.T. -0.02 min

Lab File: VF062699.D

Acq: 22 May 2019 12:09

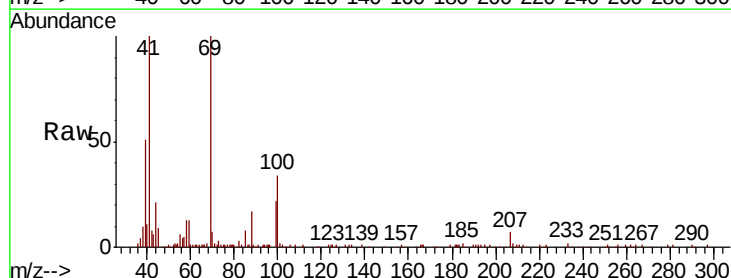
Tgt Ion: 41 Resp: 64304

Ion Ratio Lower Upper

41 100

69 99.7 74.2 111.2

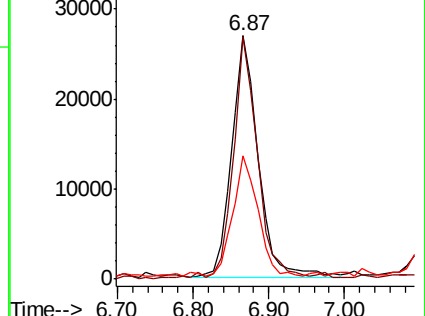
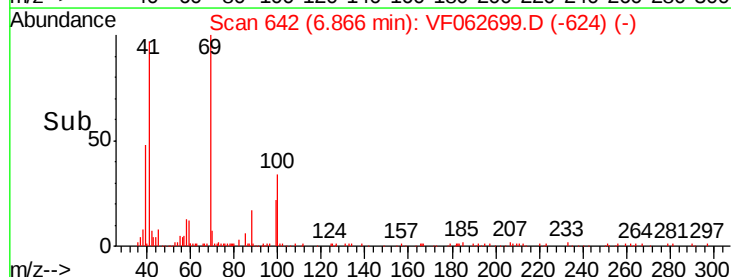
39 50.6 34.2 51.4

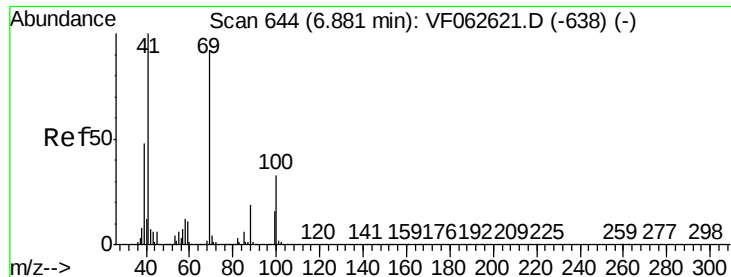


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 366.012 ug/l

RT: 6.86 min Scan# 641

Delta R.T. -0.02 min

Lab File: VF062699.D

Acq: 22 May 2019 12:09

Instrument :

MSVOA_F

ClientSampleId :

VF0522SBS01

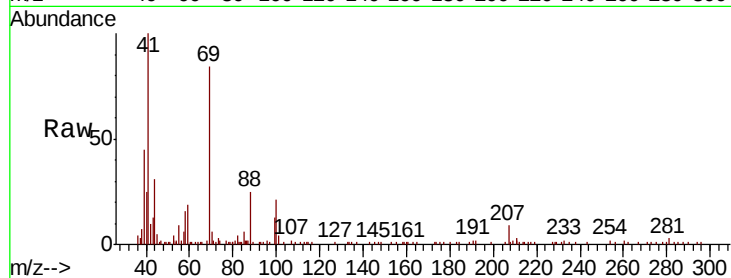
Tot Ion: 88 Resp: 17468

Ion Ratio Lower Upper

88 100

43 50.2 30.0 45.0#

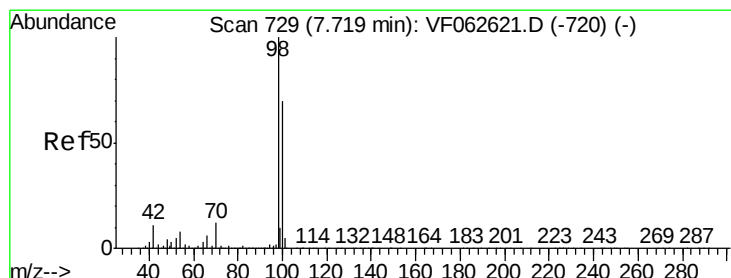
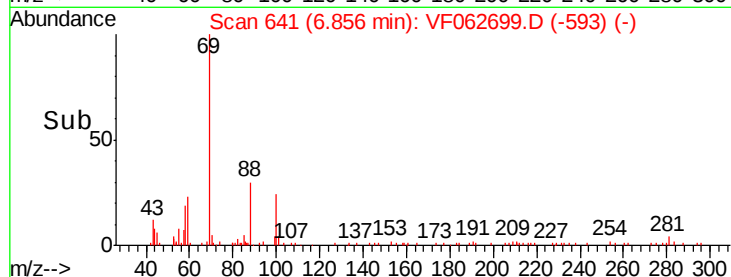
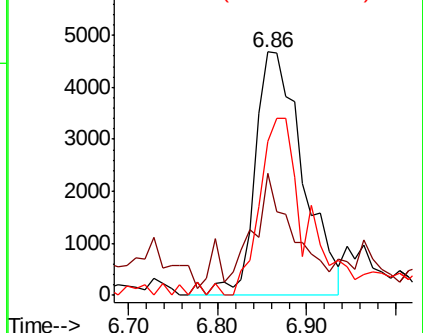
58 63.3 51.1 76.7



Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#50

Toluene-d8

Concen: 48.874 ug/l

RT: 7.70 min Scan# 727

Delta R.T. -0.01 min

Lab File: VF062699.D

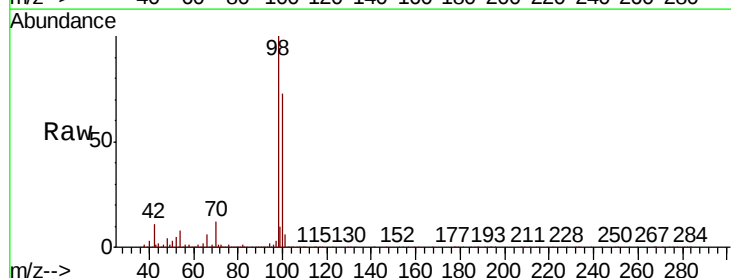
Acq: 22 May 2019 12:09

Tgt Ion: 98 Resp: 1174433

Ion Ratio Lower Upper

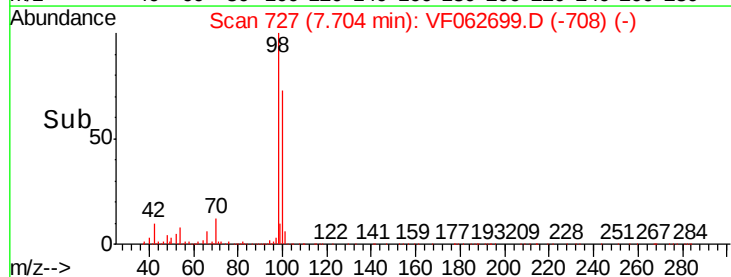
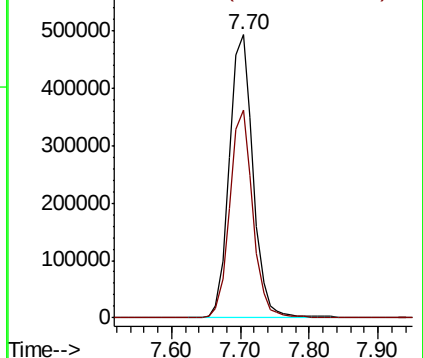
98 100

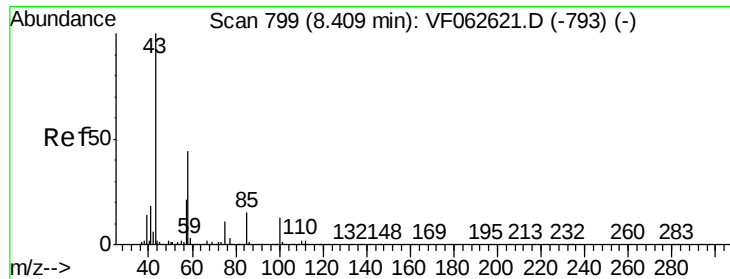
100 73.3 56.2 84.2



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: 89.427 ug/l

RT: 8.39 min Scan# 797

Delta R.T. -0.01 min

Lab File: VF062699.D

Acq: 22 May 2019 12:09

Instrument :

MSVOA_F

ClientSampleId :

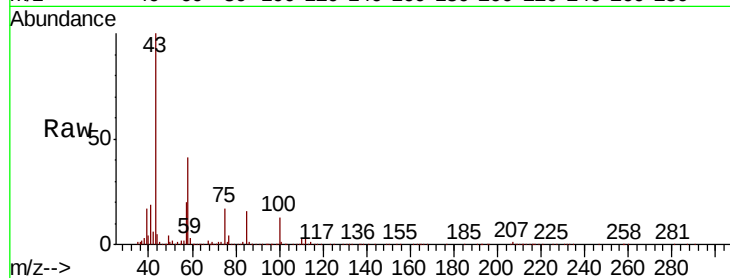
VF0522SBS01

Tot Ion: 43 Resp: 435775

Ion Ratio Lower Upper

43 100

58 41.4 34.9 52.3



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.39

200000

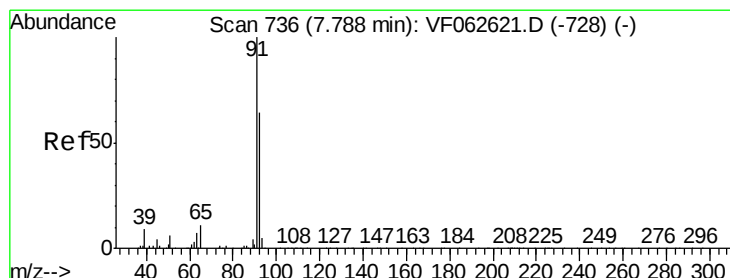
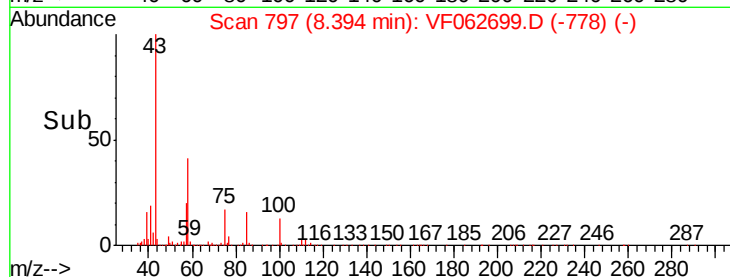
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 20.589 ug/l

RT: 7.77 min Scan# 734

Delta R.T. -0.01 min

Lab File: VF062699.D

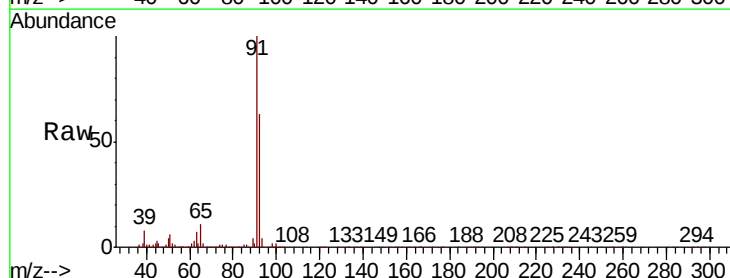
Acq: 22 May 2019 12:09

Tgt Ion: 92 Resp: 396443

Ion Ratio Lower Upper

92 100

91 158.8 125.4 188.0



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.77

300000

250000

200000

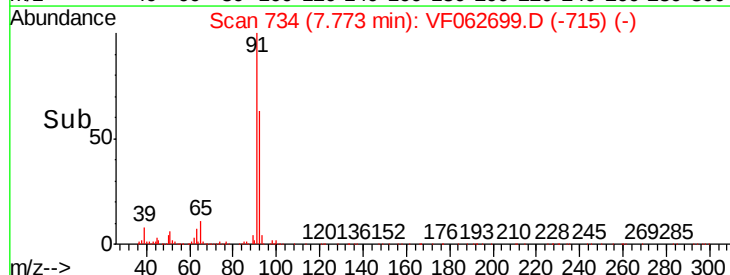
150000

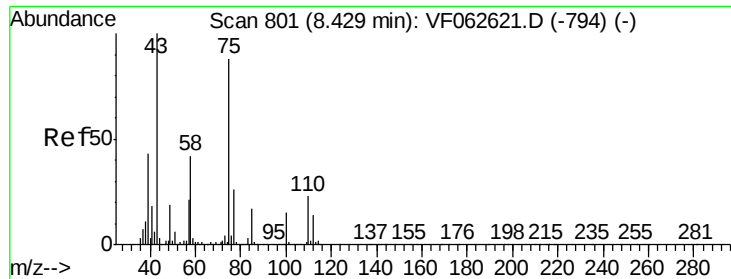
100000

50000

0

Time-->

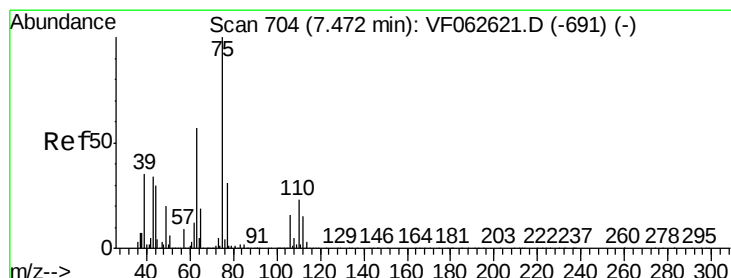
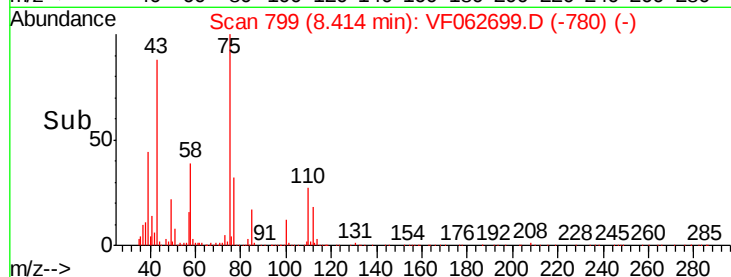
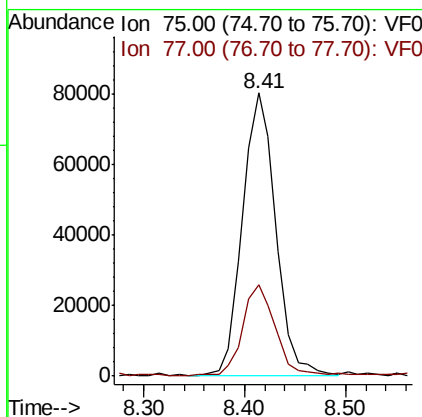
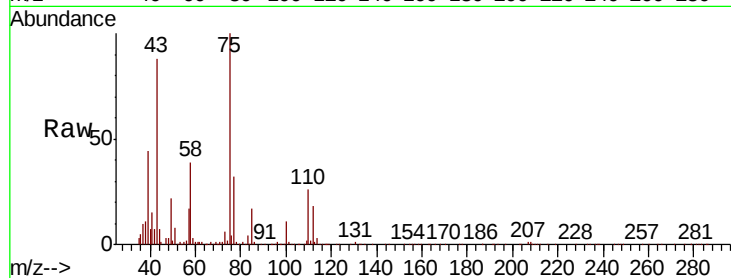




#53
 t-1,3-Dichloropropene
 Concen: 20.181 ug/l
 RT: 8.41 min Scan# 799
 Delta R.T. -0.01 min
 Lab File: VF062699.D
 Acq: 22 May 2019 12:09

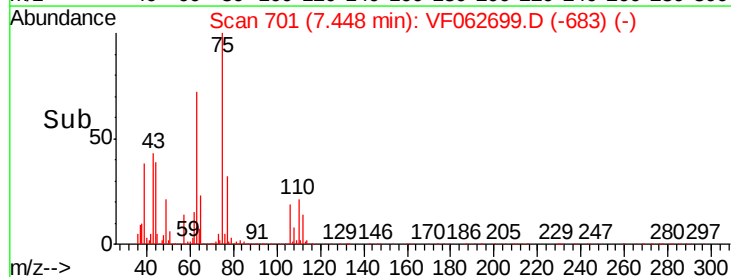
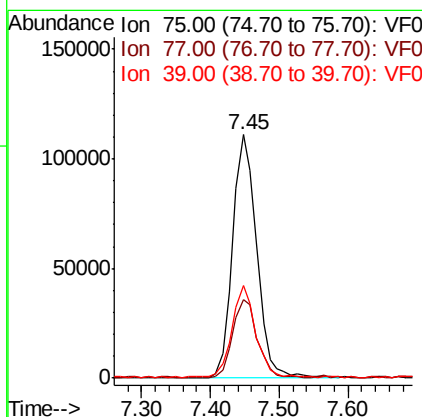
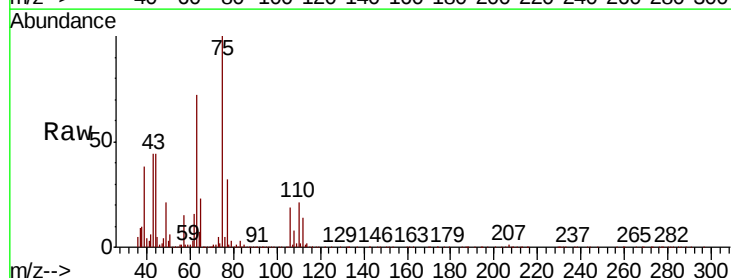
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0522SBS01

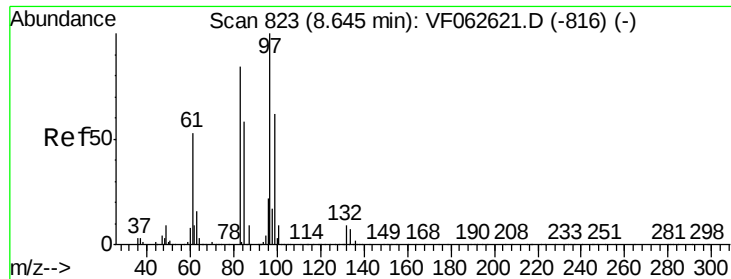
Tot Ion: 75 Resp: 183594
 Ion Ratio Lower Upper
 75 100
 77 32.4 24.2 36.4



#54
 cis-1,3-Dichloropropene
 Concen: 21.191 ug/l
 RT: 7.45 min Scan# 701
 Delta R.T. -0.02 min
 Lab File: VF062699.D
 Acq: 22 May 2019 12:09

Tgt Ion: 75 Resp: 269867
 Ion Ratio Lower Upper
 75 100
 77 32.1 25.3 37.9
 39 38.1 28.2 42.2





#55

1,1,2-Trichloroethane

Concen: 20.568 ug/l

RT: 8.63 min Scan# 821

Delta R.T. -0.01 min

Lab File: VF062699.D

Acq: 22 May 2019 12:09

Instrument :

MSVOA_F

ClientSampleId :

VF0522SBS01

Tot Ion: 97 Resp: 117265

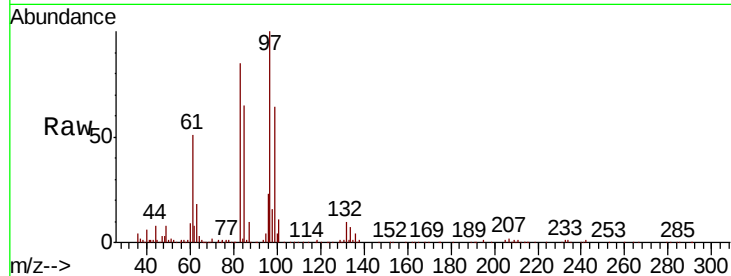
Ion	Ratio	Lower	Upper
97	100		
83	85.3	67.3	100.9
85	65.1	46.6	69.8
99	63.9	49.7	74.5

97 100

83 85.3 67.3 100.9

85 65.1 46.6 69.8

99 63.9 49.7 74.5

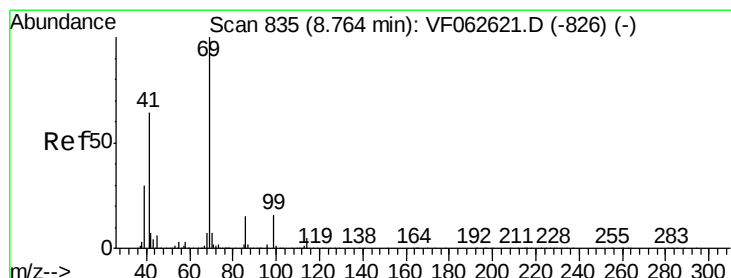
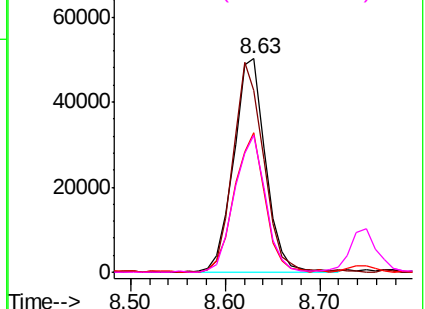
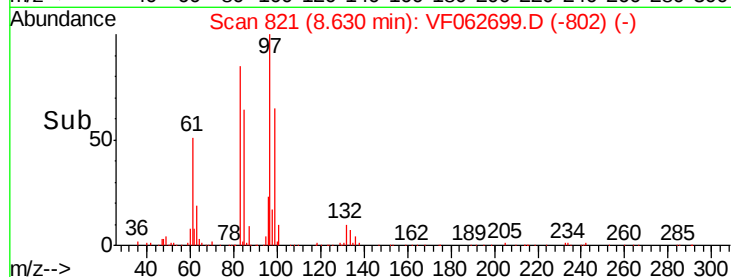


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 16.802 ug/l

RT: 8.75 min Scan# 833

Delta R.T. -0.01 min

Lab File: VF062699.D

Acq: 22 May 2019 12:09

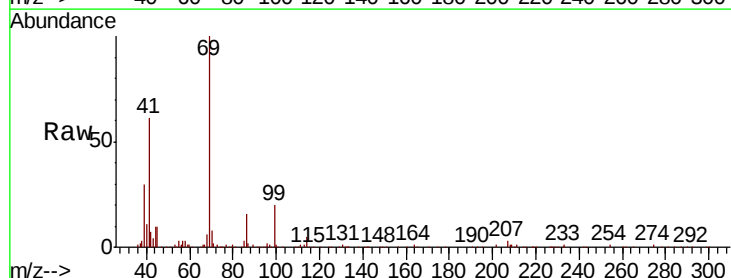
Tgt Ion: 69 Resp: 114127

Ion	Ratio	Lower	Upper
69	100		
41	61.4	51.4	77.2
39	30.0	23.6	35.4

69 100

41 61.4 51.4 77.2

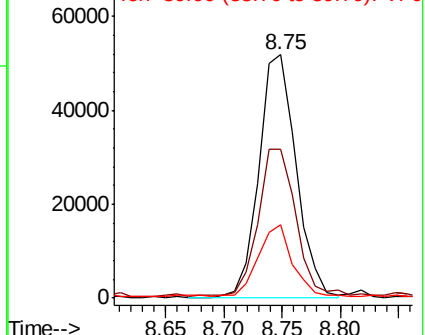
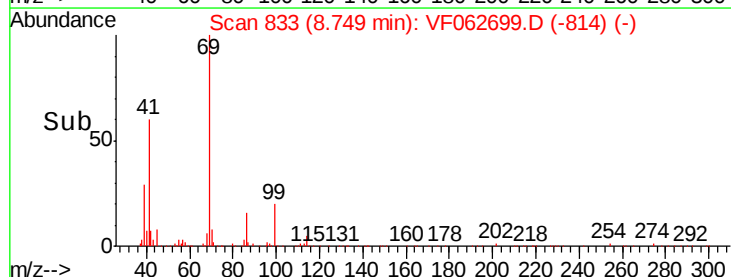
39 30.0 23.6 35.4

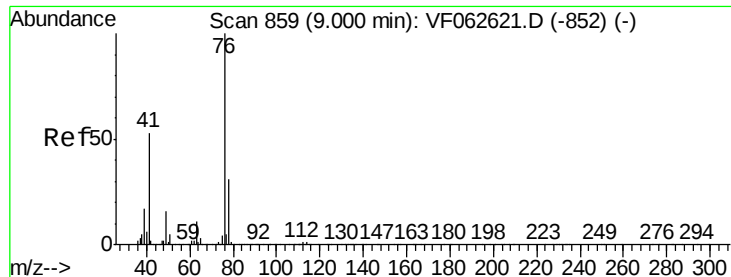


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 19.864 ug/l

RT: 8.99 min Scan# 857

Delta R.T. -0.01 min

Lab File: VF062699.D

Acq: 22 May 2019 12:09

Instrument :

MSVOA_F

ClientSampleId :

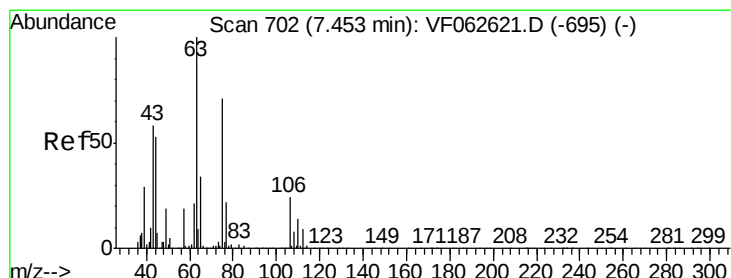
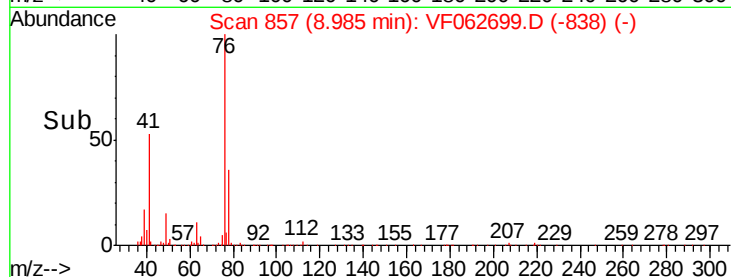
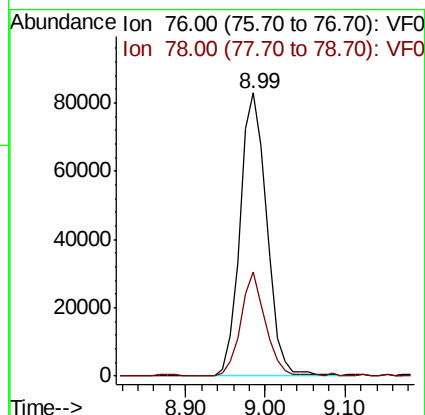
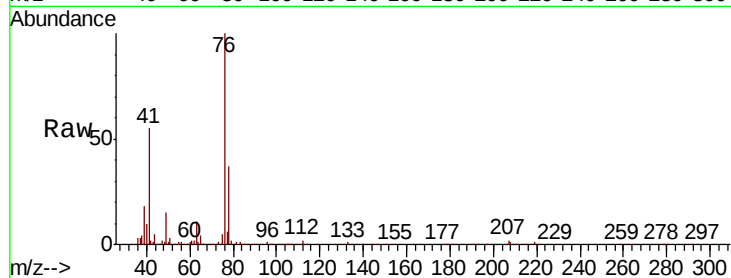
VF0522SBS01

Tot Ion: 76 Resp: 192901

Ion Ratio Lower Upper

76 100

78 36.7 25.4 38.0



#58

2-Chloroethyl Vinyl ether

Concen: 98.247 ug/l

RT: 7.44 min Scan# 700

Delta R.T. -0.01 min

Lab File: VF062699.D

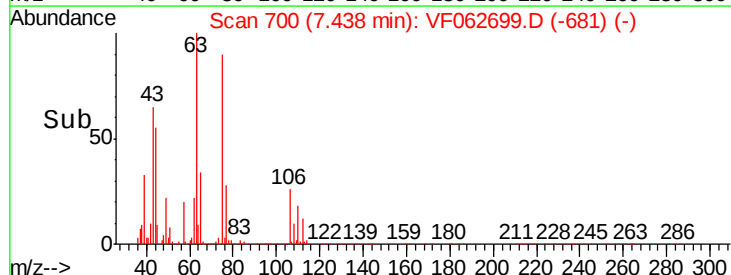
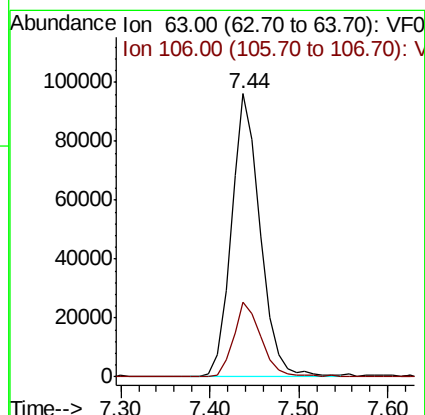
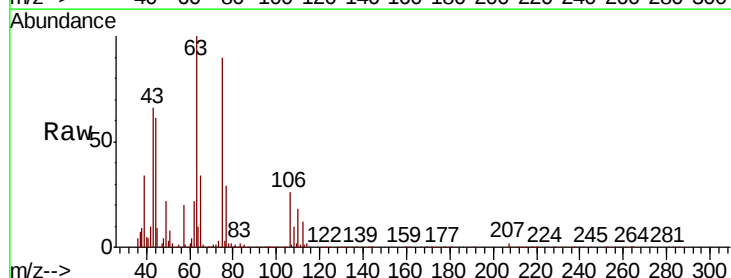
Acq: 22 May 2019 12:09

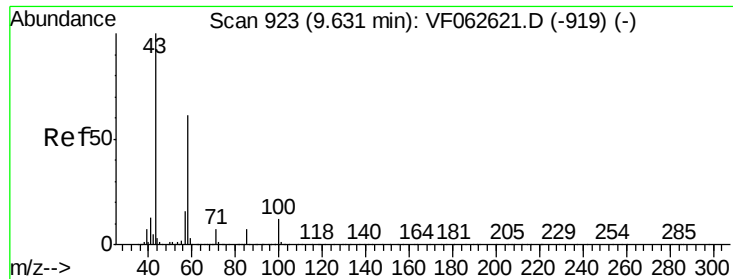
Tgt Ion: 63 Resp: 217215

Ion Ratio Lower Upper

63 100

106 26.4 19.1 28.7

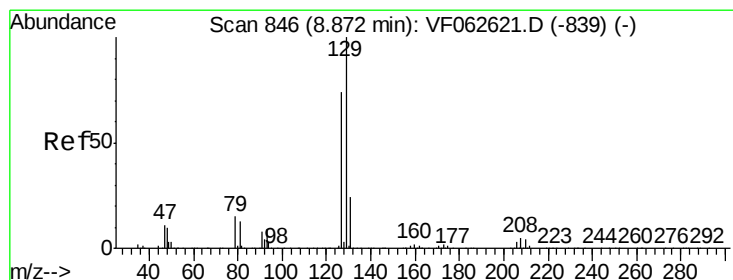
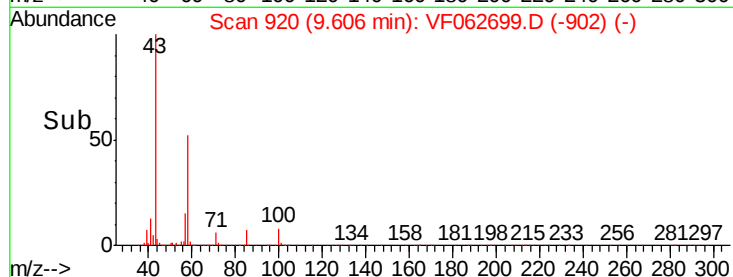
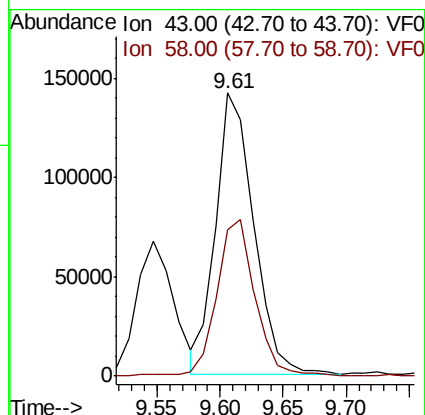
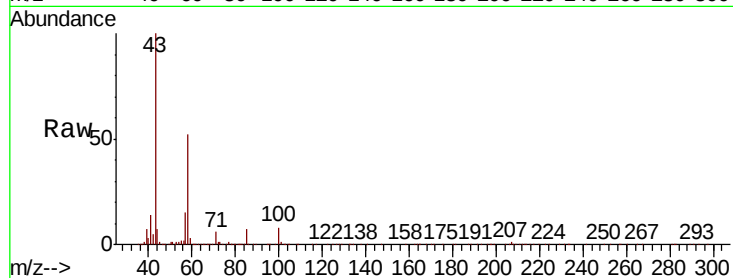




#59
2-Hexanone
Concen: 81.969 ug/l
RT: 9.61 min Scan# 920
Delta R.T. -0.02 min
Lab File: VF062699.D
Acq: 22 May 2019 12:09

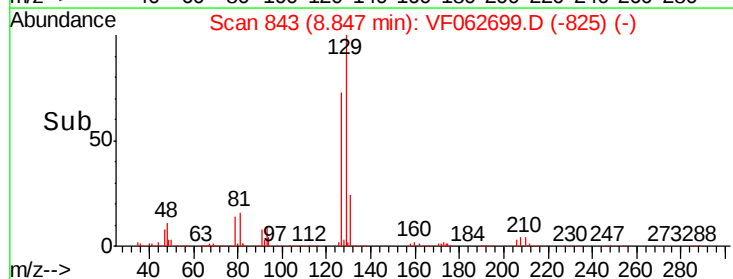
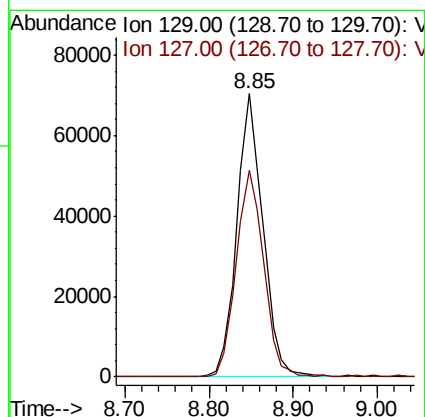
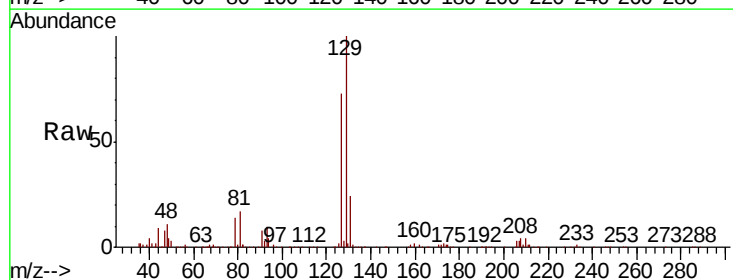
Instrument :
MSVOA_F
ClientSampleId :
VF0522SBS01

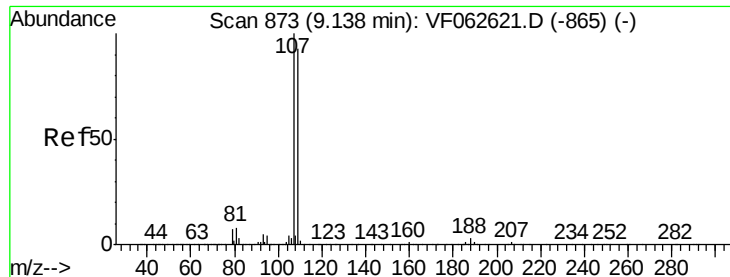
Tot Ion: 43 Resp: 297861
Ion Ratio Lower Upper
43 100
58 51.6 28.1 84.4



#60
Dibromochloromethane
Concen: 20.532 ug/l
RT: 8.85 min Scan# 843
Delta R.T. -0.02 min
Lab File: VF062699.D
Acq: 22 May 2019 12:09

Tgt Ion: 129 Resp: 152566
Ion Ratio Lower Upper
129 100
127 73.0 37.2 111.6





#61

1,2-Dibromoethane

Concen: 20.232 ug/l

RT: 9.11 min Scan# 870

Delta R.T. -0.02 min

Lab File: VF062699.D

Acq: 22 May 2019 12:09

Instrument :

MSVOA_F

ClientSampleId :

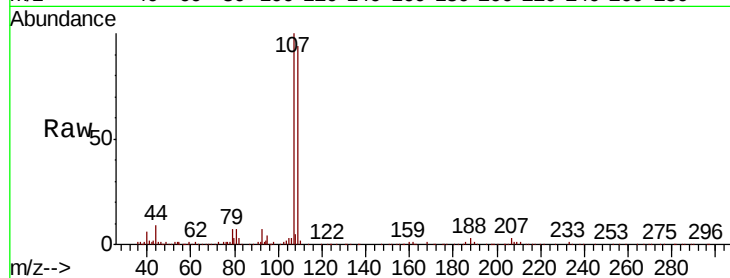
VF0522SBS01

Tot Ion:107 Resp: 122517

Ion Ratio Lower Upper

107 100

109 93.5 74.8 112.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

60000

50000

40000

30000

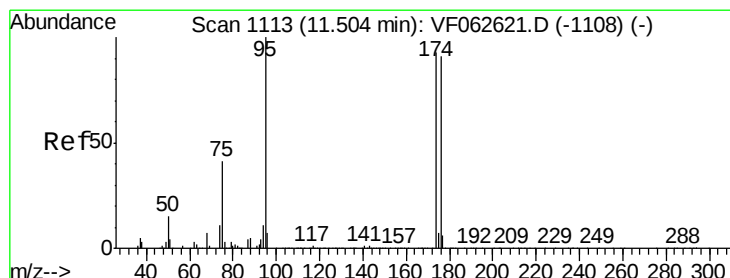
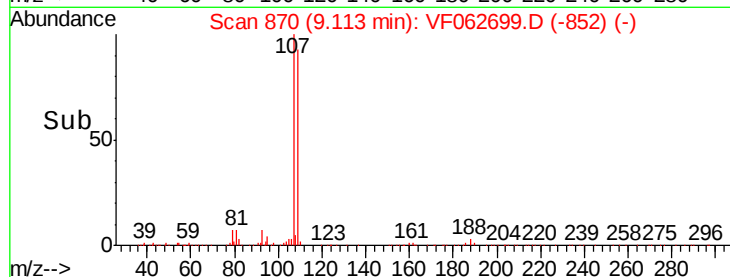
20000

10000

0

9.00 9.10 9.20

Time-->



#62

4-Bromofluorobenzene

Concen: 43.595 ug/l

RT: 11.49 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VF062699.D

Acq: 22 May 2019 12:09

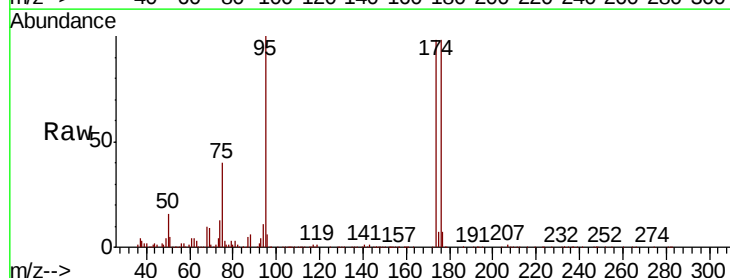
Tgt Ion: 95 Resp: 397309

Ion Ratio Lower Upper

95 100

174 97.9 0.0 185.6

176 97.8 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

300000

250000

200000

150000

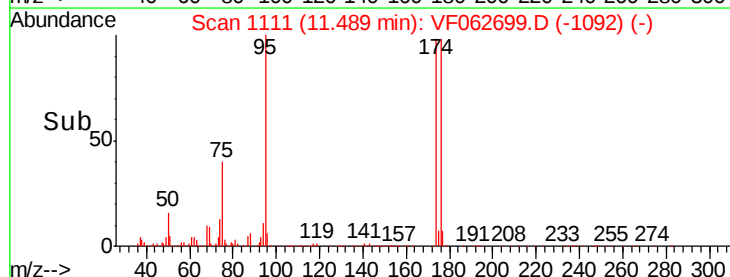
100000

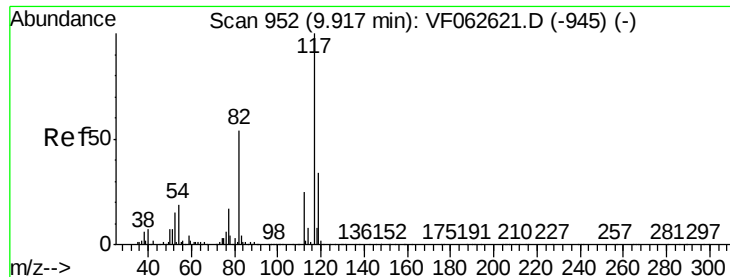
50000

0

11.40 11.50 11.60

Time-->

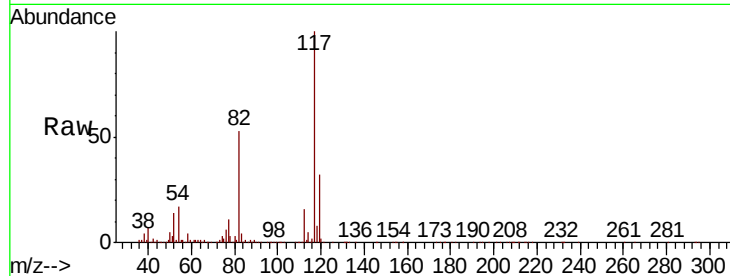




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.90 min Scan# 950
Delta R.T. -0.01 min
Lab File: VF062699.D
Acq: 22 May 2019 12:09

Instrument :
MSVOA_F
ClientSampleId :
VF0522SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.9	43.3	64.9
119	32.4	27.4	41.0

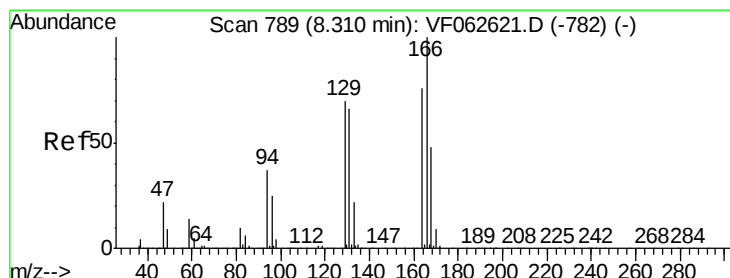
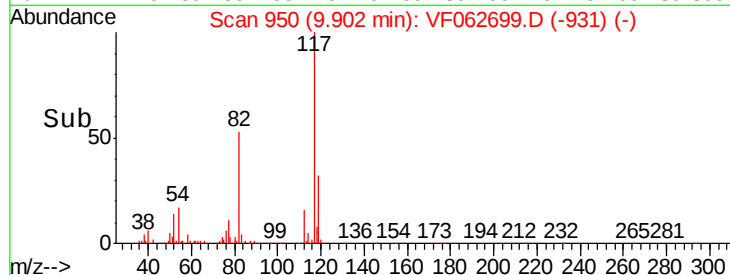
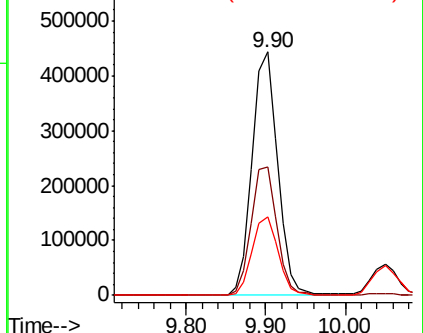


Abundance

Ion 117.00 (116.70 to 117.70): V

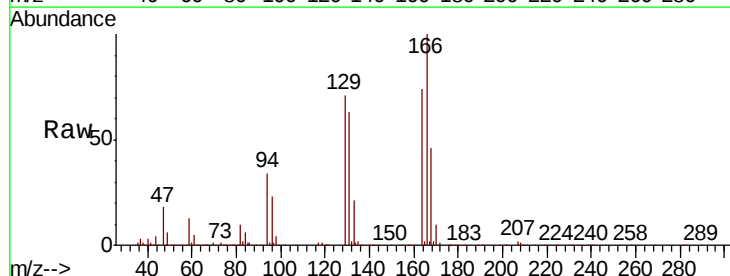
Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V



#64
Tetrachloroethene
Concen: 20.776 ug/l
RT: 8.30 min Scan# 787
Delta R.T. -0.01 min
Lab File: VF062699.D
Acq: 22 May 2019 12:09

Tgt Ion	Ratio	Lower	Upper
164	100		
166	135.1	105.5	158.3
129	95.6	73.8	110.6
131	85.5	69.5	104.3



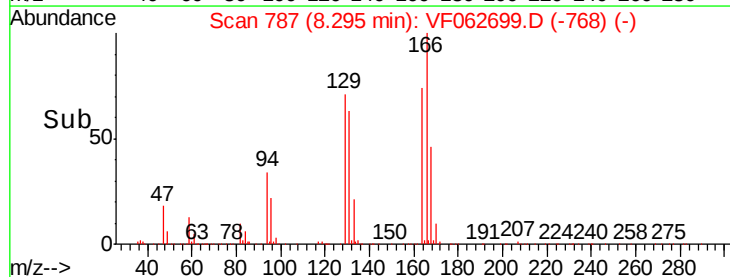
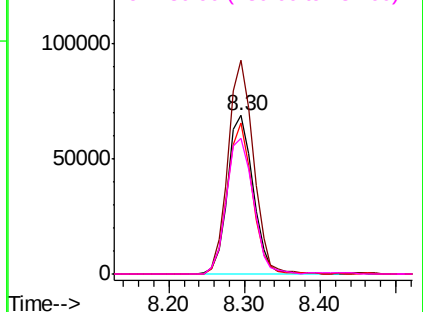
Abundance

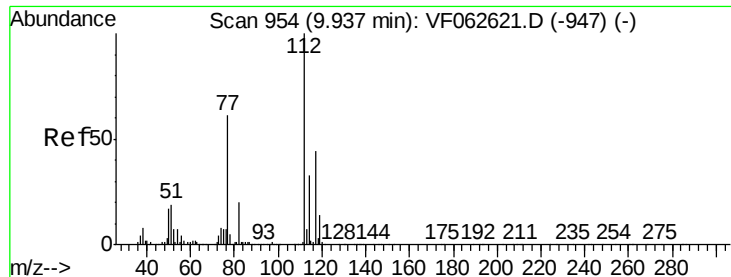
Ion 163.85 (163.55 to 164.55): V

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

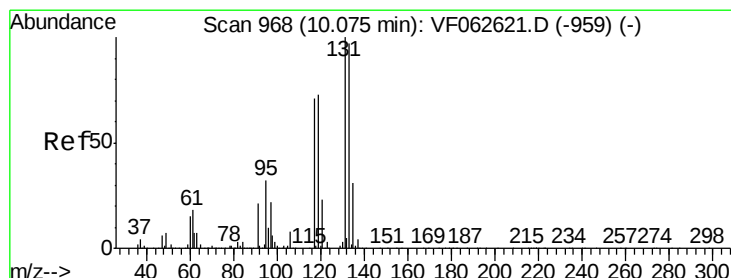
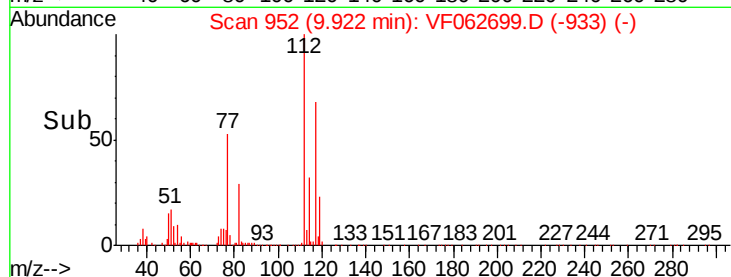
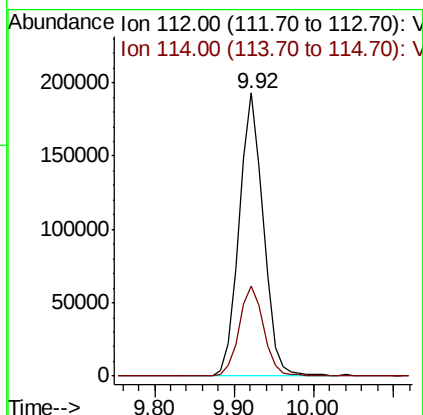
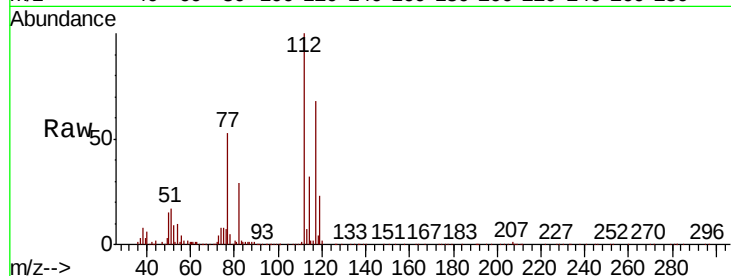




#65
Chlorobenzene
Concen: 21.164 ug/l
RT: 9.92 min Scan# 952
Delta R.T. -0.01 min
Lab File: VF062699.D
Acq: 22 May 2019 12:09

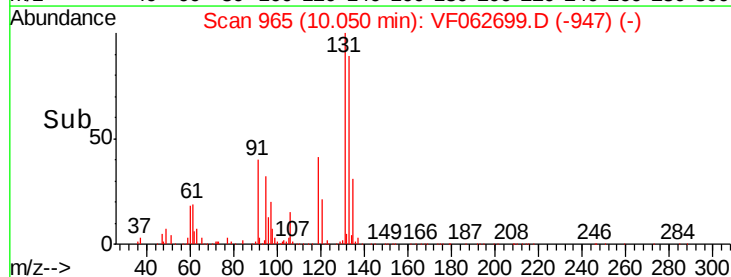
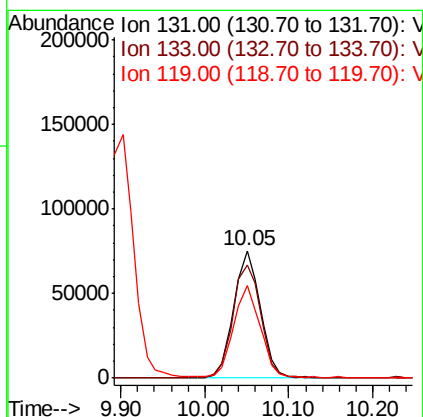
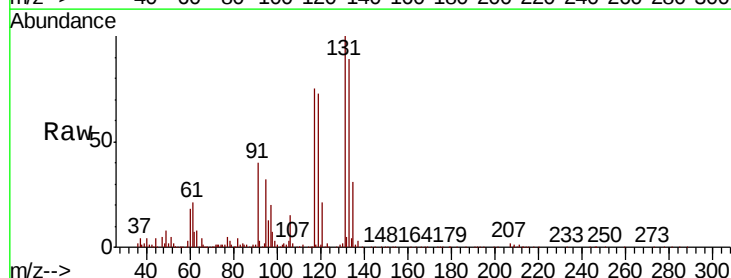
Instrument :
MSVOA_F
ClientSampleId :
VF0522SBS01

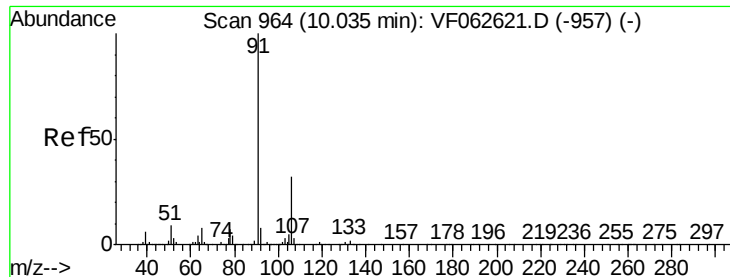
Tot Ion:112 Resp: 406940
Ion Ratio Lower Upper
112 100
114 31.8 26.8 40.2



#66
1,1,1,2-Tetrachloroethane
Concen: 21.580 ug/l
RT: 10.05 min Scan# 965
Delta R.T. -0.02 min
Lab File: VF062699.D
Acq: 22 May 2019 12:09

Tgt Ion:131 Resp: 166580
Ion Ratio Lower Upper
131 100
133 89.0 48.5 145.5
119 73.0 36.8 110.4

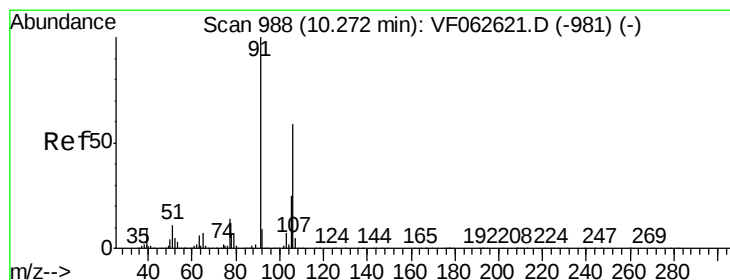
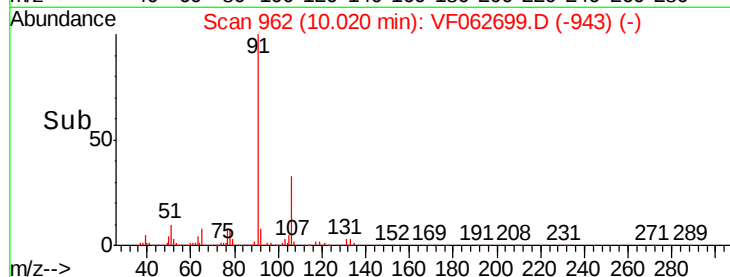
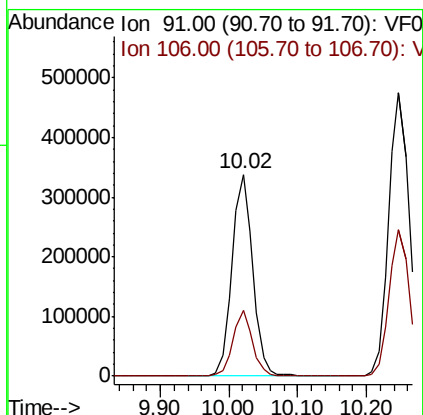
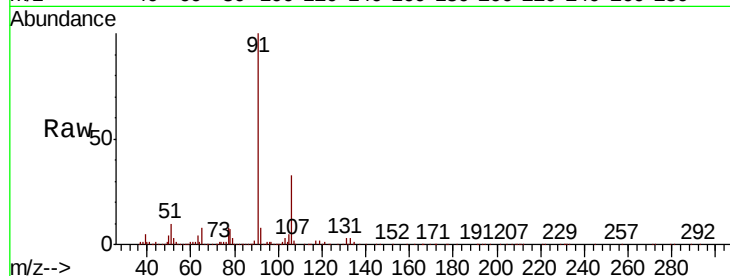




#67
Ethyl Benzene
Concen: 21.011 ug/l
RT: 10.02 min Scan# 962
Delta R.T. -0.01 min
Lab File: VF062699.D
Acq: 22 May 2019 12:09

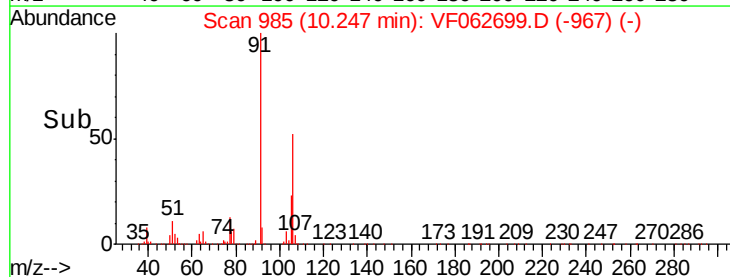
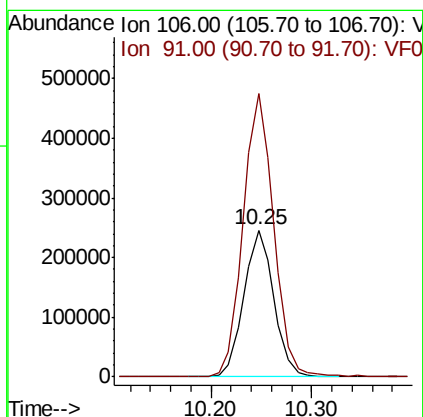
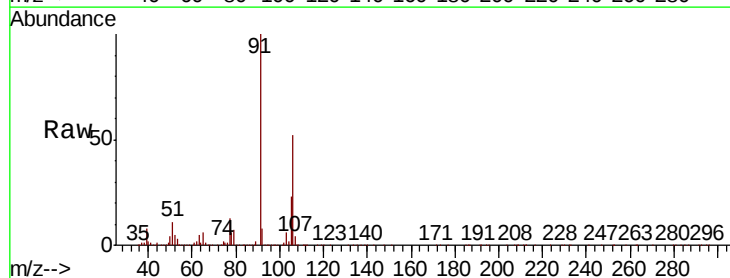
Instrument :
MSVOA_F
ClientSampleId :
VF0522SBS01

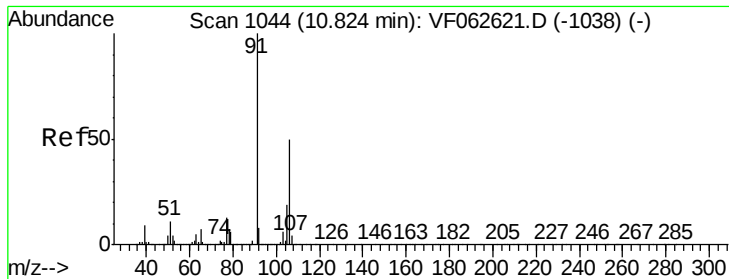
Tot Ion: 91 Resp: 701832
Ion Ratio Lower Upper
91 100
106 32.6 25.8 38.8



#68
m/p-Xylenes
Concen: 40.663 ug/l
RT: 10.25 min Scan# 985
Delta R.T. -0.02 min
Lab File: VF062699.D
Acq: 22 May 2019 12:09

Tgt Ion: 106 Resp: 510506
Ion Ratio Lower Upper
106 100
91 192.7 136.9 205.3

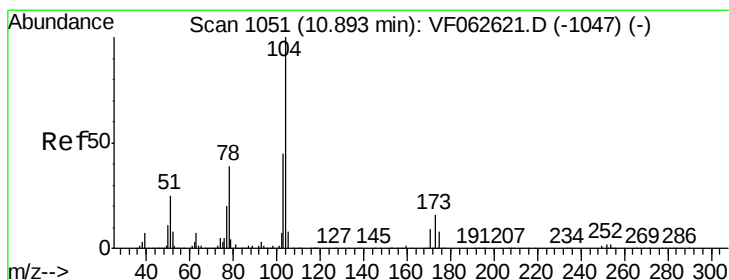
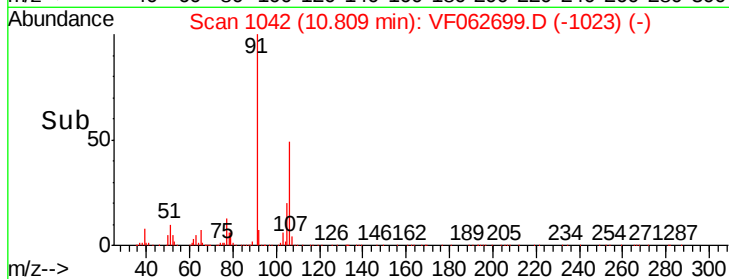
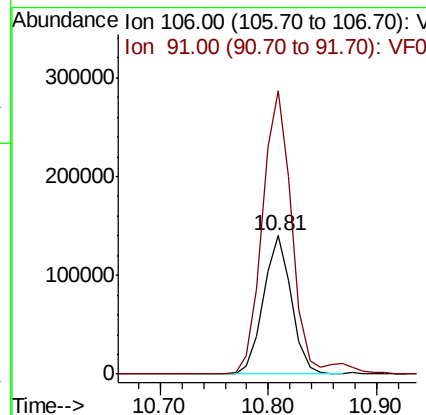
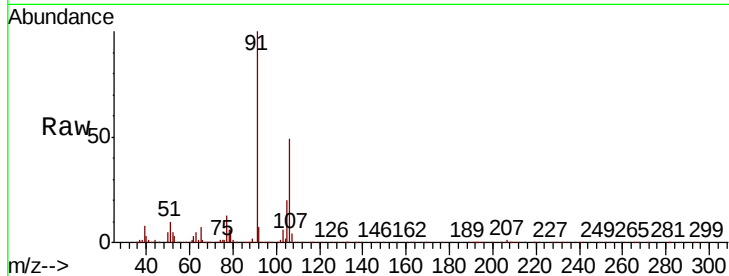




#69
o-Xylene
Concen: 19.662 ug/l
RT: 10.81 min Scan# 1042
Delta R.T. -0.01 min
Lab File: VF062699.D
Acq: 22 May 2019 12:09

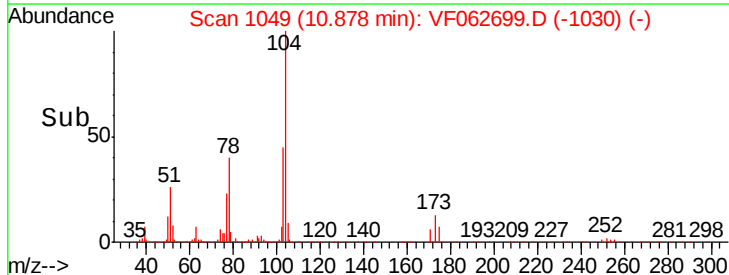
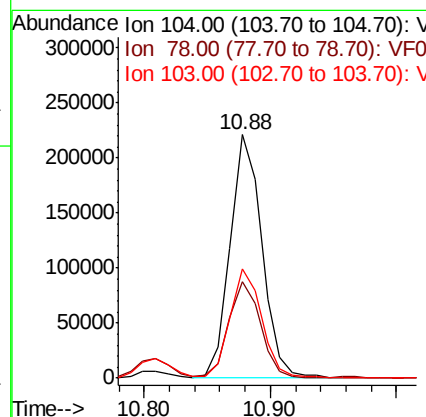
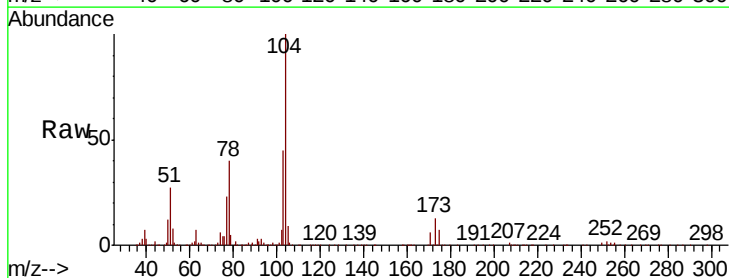
Instrument :
MSVOA_F
ClientSampleId :
VF0522SBS01

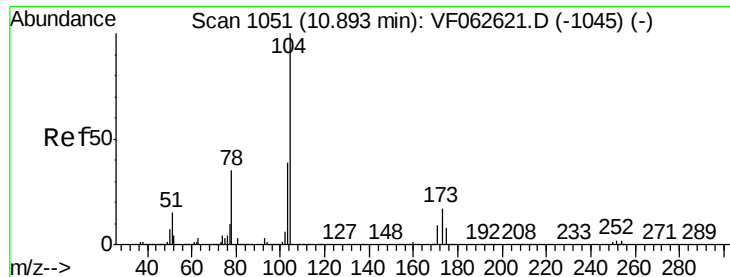
Tot Ion:106 Resp: 254247
Ion Ratio Lower Upper
106 100
91 204.7 100.2 300.5



#70
Styrene
Concen: 19.496 ug/l
RT: 10.88 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VF062699.D
Acq: 22 May 2019 12:09

Tgt Ion:104 Resp: 383188
Ion Ratio Lower Upper
104 100
78 39.7 31.9 47.9
103 44.7 36.1 54.1





#71

Bromoform

Concen: 19.759 ug/l

RT: 10.87 min Scan# 1048

Delta R.T. -0.02 min

Lab File: VF062699.D

Acq: 22 May 2019 12:09

Instrument :

MSVOA_F

ClientSampleId :

VF0522SBS01

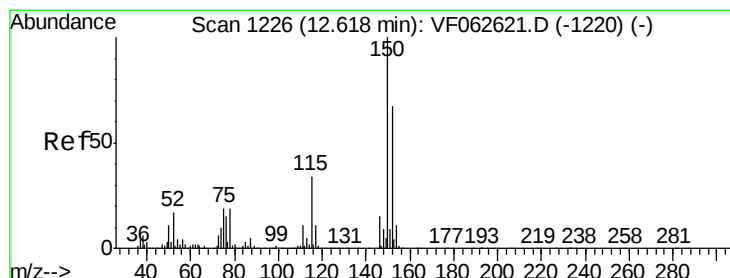
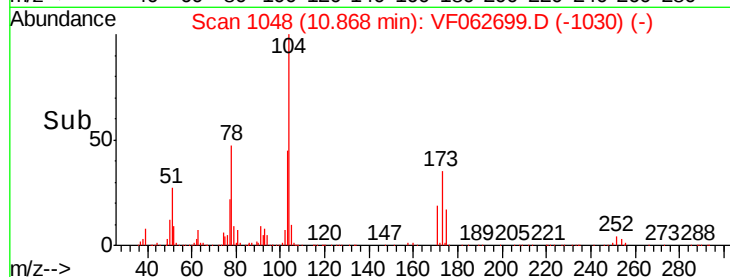
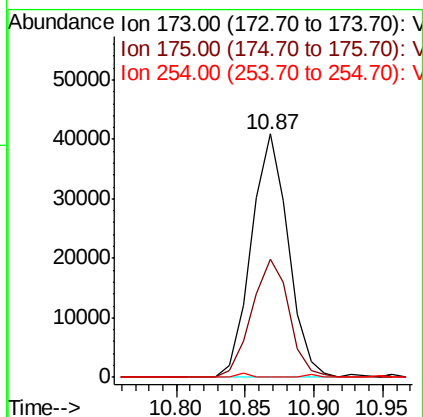
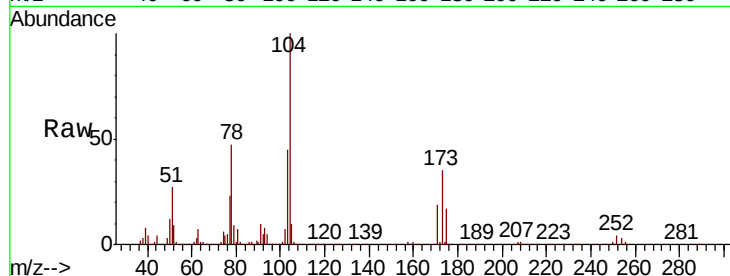
Tot Ion:173 Resp: 76386

Ion Ratio Lower Upper

173 100

175 49.6 25.3 75.9

254 0.0 0.2 0.2#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.60 min Scan# 1224

Delta R.T. -0.01 min

Lab File: VF062699.D

Acq: 22 May 2019 12:09

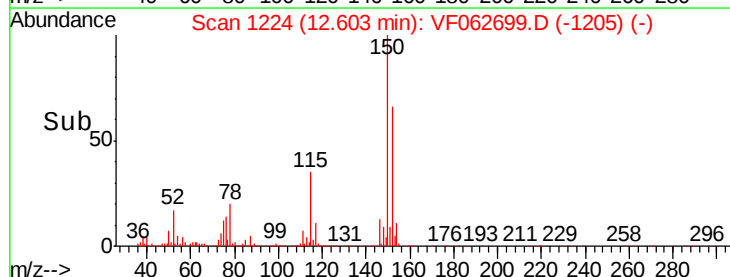
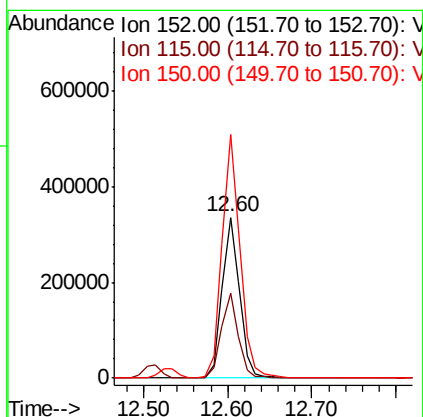
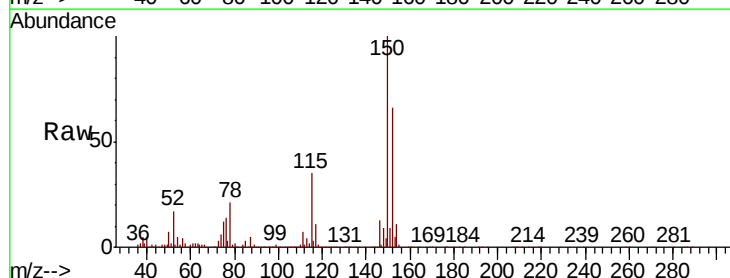
Tgt Ion:152 Resp: 486598

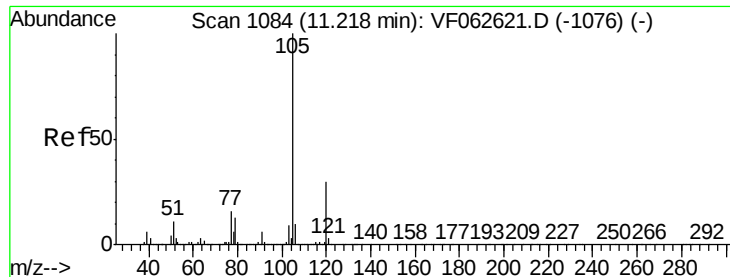
Ion Ratio Lower Upper

152 100

115 52.5 25.2 75.6

150 151.5 0.0 306.2





#73

Isopropylbenzene

Concen: 20.427 ug/l

RT: 11.20 min Scan# 1082

Delta R.T. -0.01 min

Lab File: VF062699.D

Acq: 22 May 2019 12:09

Instrument :

MSVOA_F

ClientSampleId :

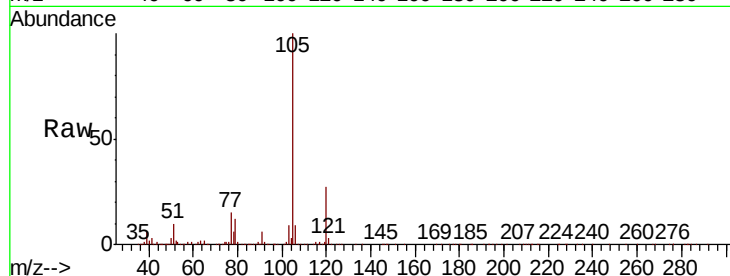
VF0522SBS01

Tot Ion:105 Resp: 712387

Ion Ratio Lower Upper

105 100

120 26.8 14.8 44.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.20

400000

300000

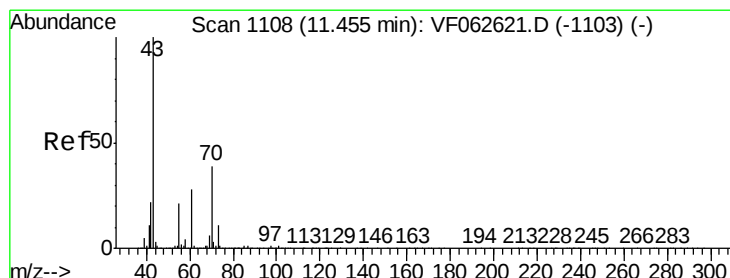
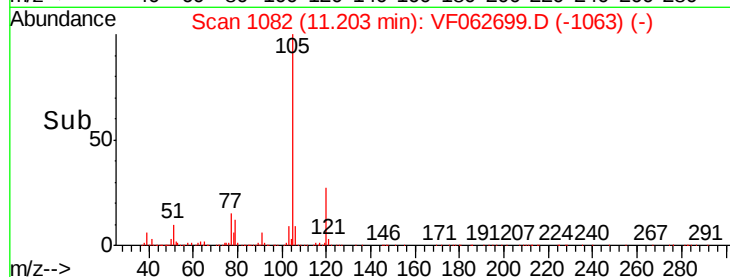
200000

100000

0

Time-->

11.10 11.20 11.30



#74

N-ethyl acetate

Concen: 14.780 ug/l

RT: 11.44 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VF062699.D

Acq: 22 May 2019 12:09

Tgt Ion: 43 Resp: 164885

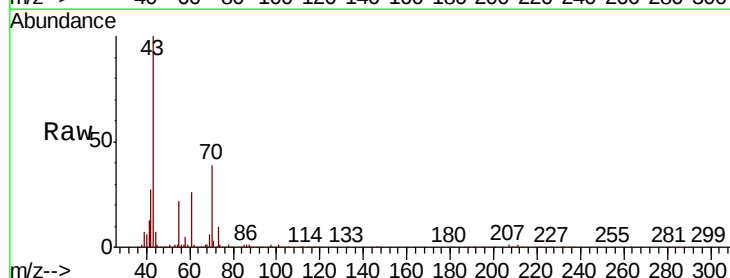
Ion Ratio Lower Upper

43 100

70 38.9 30.9 46.3

55 22.0 17.0 25.4

61 26.2 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

11.44

150000

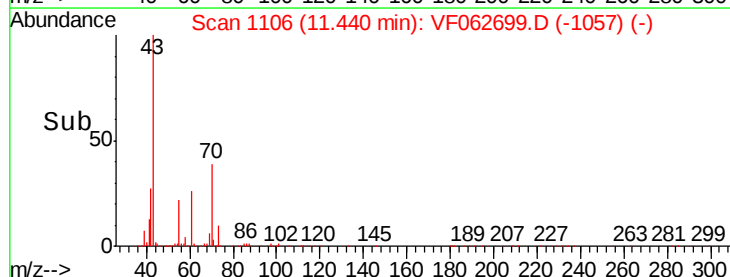
100000

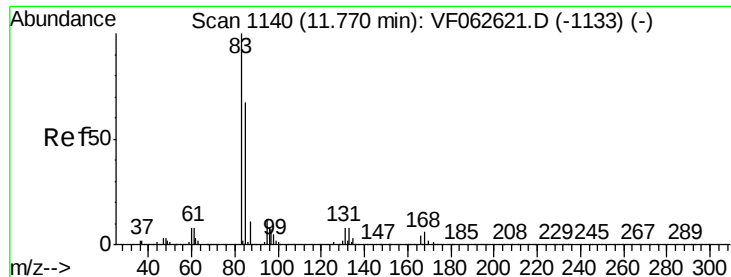
50000

0

Time-->

11.40 11.50





#75

1,1,2,2-Tetrachloroethane

Concen: 19.110 ug/l

RT: 11.76 min Scan# 1138

Delta R.T. -0.01 min

Lab File: VF062699.D

Acq: 22 May 2019 12:09

Instrument :

MSVOA_F

ClientSampleId :

VF0522SBS01

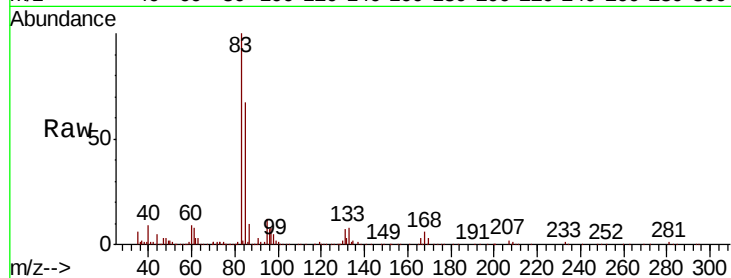
Tot Ion: 83 Resp: 136204

Ion Ratio Lower Upper

83 100

131 7.4 4.0 12.0

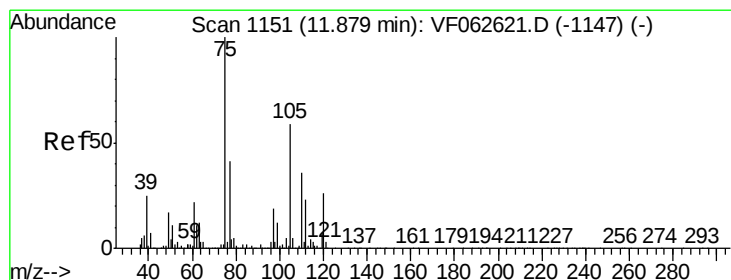
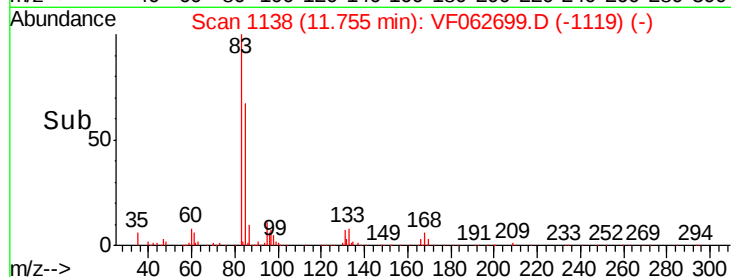
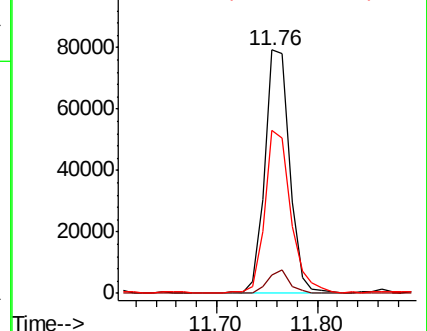
85 66.9 33.5 100.5



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): VF0

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 18.970 ug/l

RT: 11.86 min Scan# 1149

Delta R.T. -0.01 min

Lab File: VF062699.D

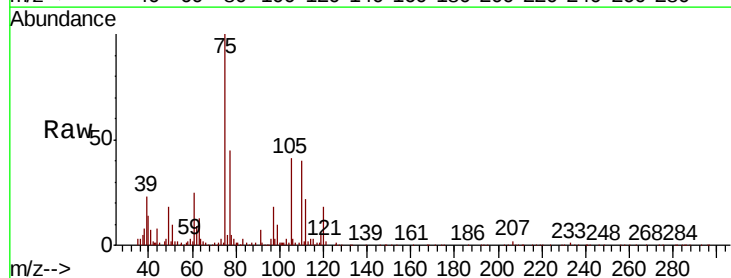
Acq: 22 May 2019 12:09

Tgt Ion: 75 Resp: 88836

Ion Ratio Lower Upper

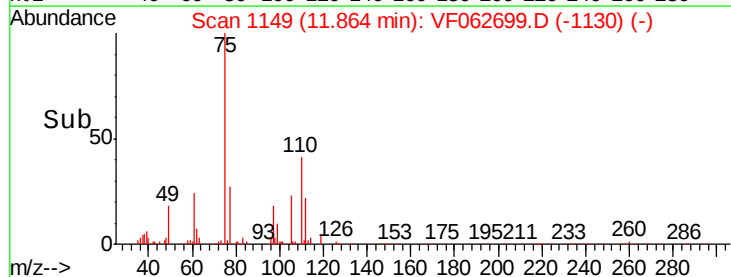
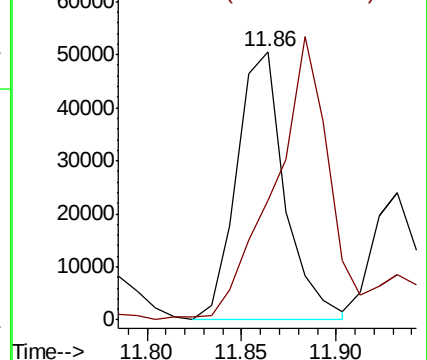
75 100

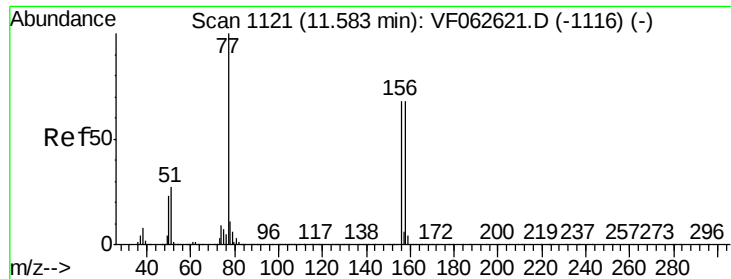
77 44.5 20.6 61.8



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 19.096 ug/l

RT: 11.57 min Scan# 1119

Delta R.T. -0.01 min

Lab File: VF062699.D

Acq: 22 May 2019 12:09

Instrument :

MSVOA_F

ClientSampleId :

VF0522SBS01

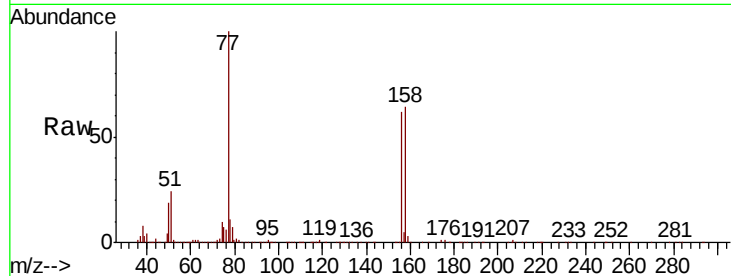
Tot Ion:156 Resp: 165540

Ion Ratio Lower Upper

156 100

77 160.6 73.6 220.8

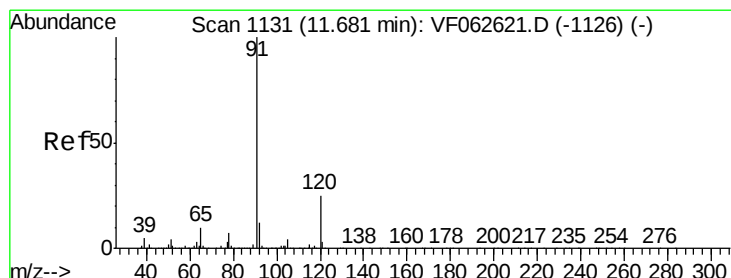
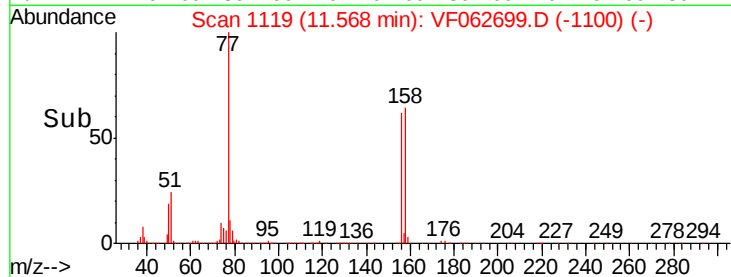
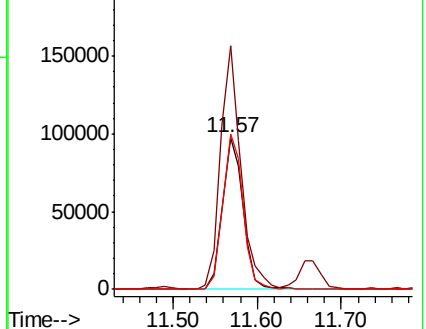
158 102.7 49.6 148.8



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 20.466 ug/l

RT: 11.67 min Scan# 1129

Delta R.T. -0.01 min

Lab File: VF062699.D

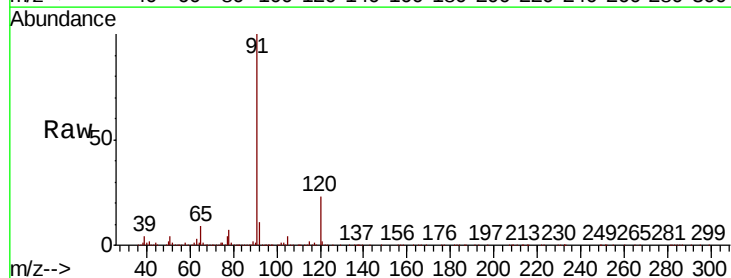
Acq: 22 May 2019 12:09

Tgt Ion: 91 Resp: 844713

Ion Ratio Lower Upper

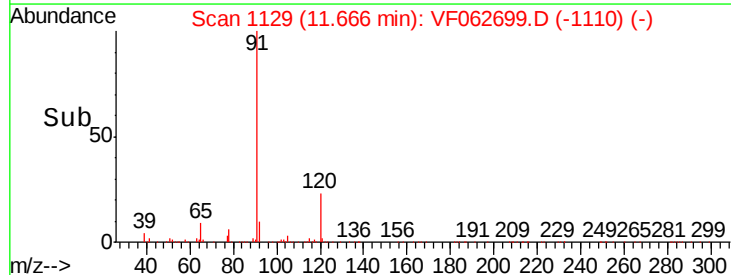
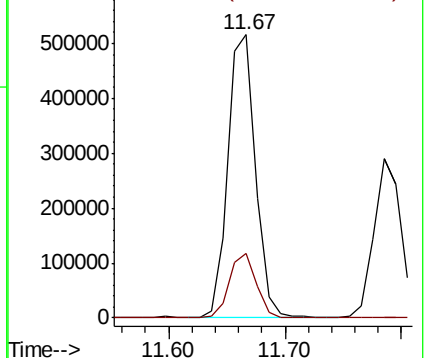
91 100

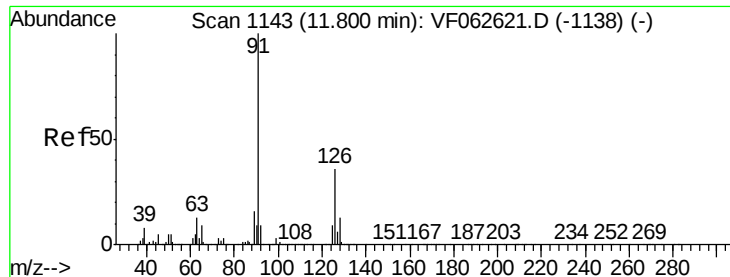
120 22.9 12.7 38.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.958 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VF062699.D

Acq: 22 May 2019 12:09

Instrument :

MSVOA_F

ClientSampleId :

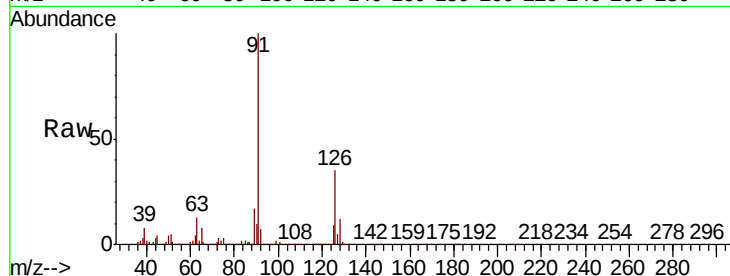
VF0522SBS01

Tot Ion: 91 Resp: 464239

Ion Ratio Lower Upper

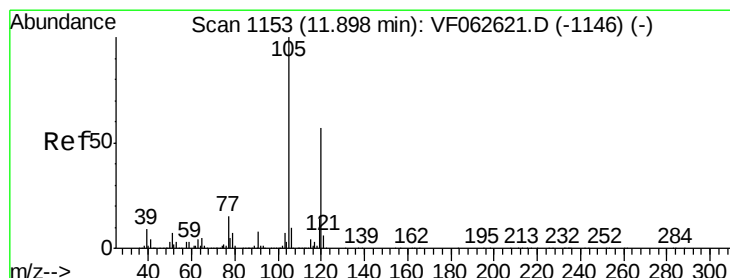
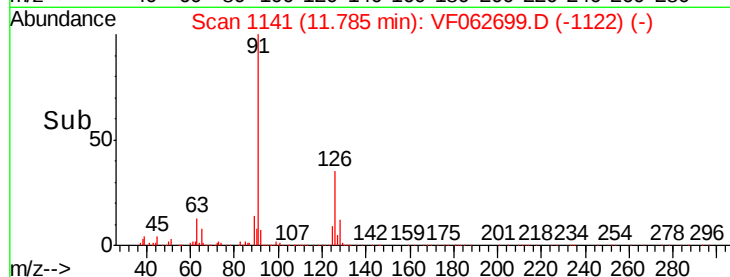
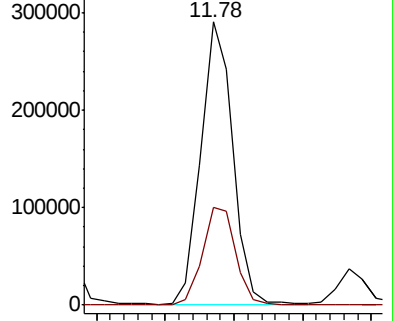
91 100

126 34.6 18.1 54.4



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V



#80

1,3,5-Trimethylbenzene

Concen: 20.013 ug/l

RT: 11.88 min Scan# 1151

Delta R.T. -0.01 min

Lab File: VF062699.D

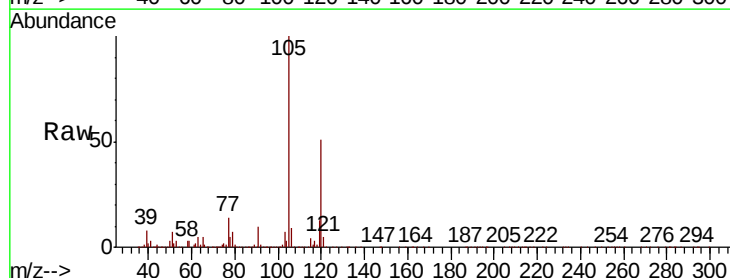
Acq: 22 May 2019 12:09

Tgt Ion:105 Resp: 559647

Ion Ratio Lower Upper

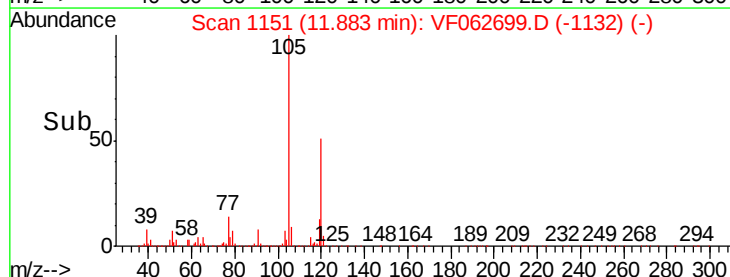
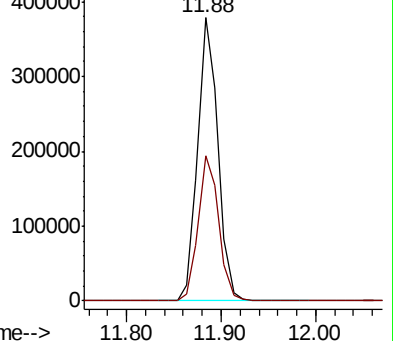
105 100

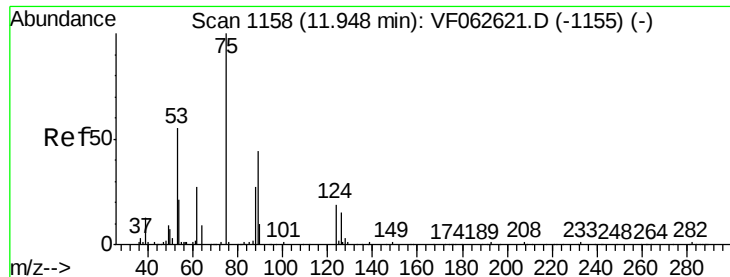
120 51.4 28.7 86.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 25.692 ug/l

RT: 11.93 min Scan# 1156

Delta R.T. -0.01 min

Lab File: VF062699.D

Acq: 22 May 2019 12:09

Instrument :

MSVOA_F

ClientSampleId :

VF0522SBS01

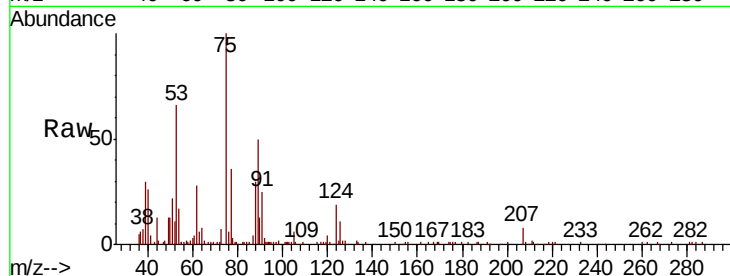
Tot Ion: 75 Resp: 53482

Ion Ratio Lower Upper

75 100

53 66.3 46.9 70.3

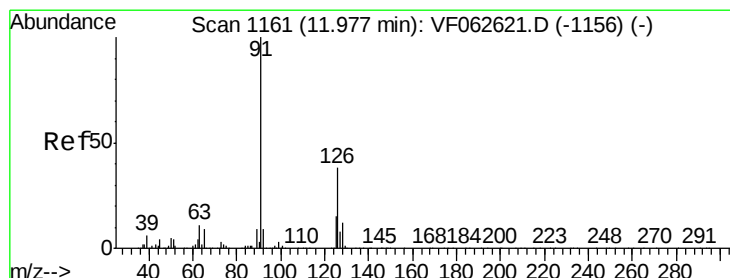
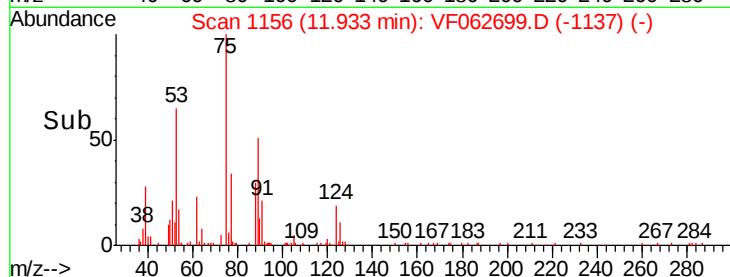
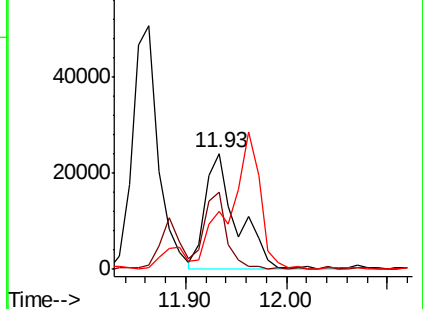
89 50.4 36.4 54.6



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: 20.197 ug/l

RT: 11.96 min Scan# 1159

Delta R.T. -0.01 min

Lab File: VF062699.D

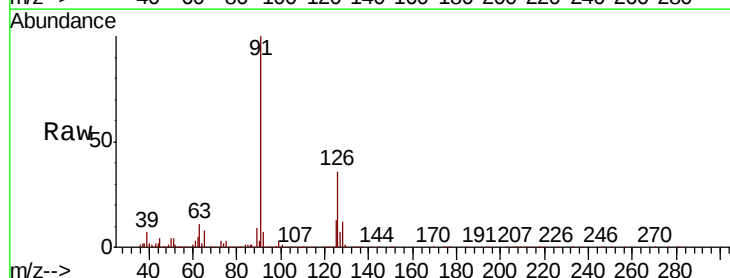
Acq: 22 May 2019 12:09

Tgt Ion: 91 Resp: 463287

Ion Ratio Lower Upper

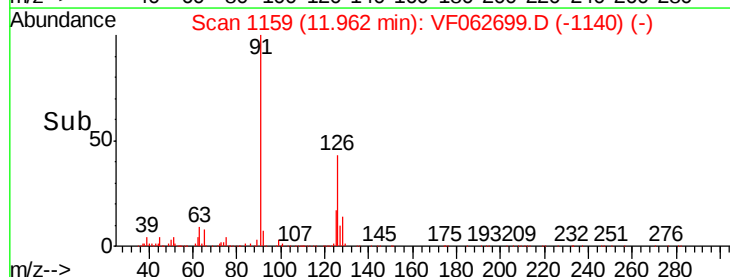
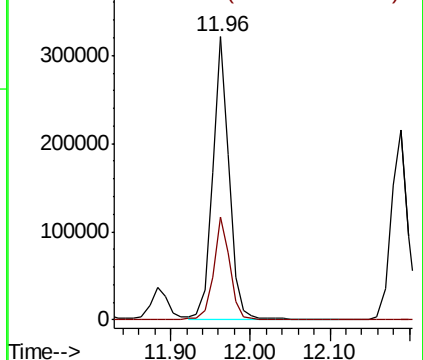
91 100

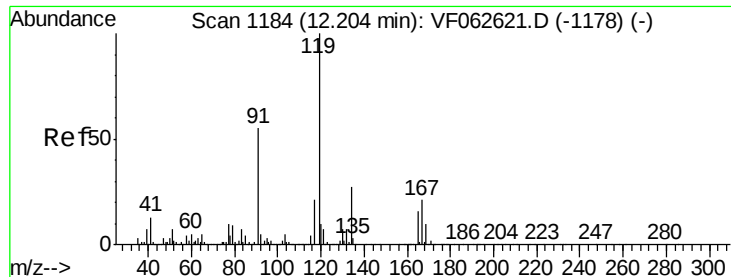
126 36.3 19.1 57.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V





#83

tert-Butylbenzene

Concen: 20.431 ug/l

RT: 12.19 min Scan# 1182

Delta R.T. -0.01 min

Lab File: VF062699.D

Acq: 22 May 2019 12:09

Instrument :

MSVOA_F

ClientSampleId :

VF0522SBS01

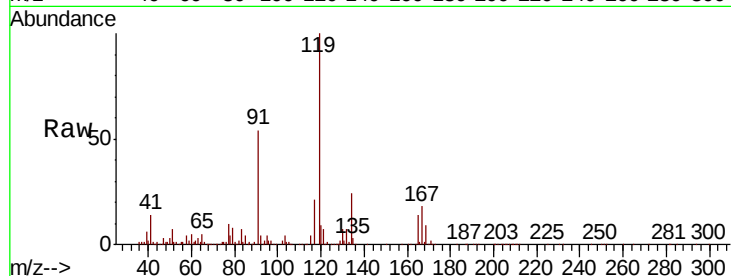
Tot Ion:119 Resp: 579664

Ion Ratio Lower Upper

119 100

91 53.8 27.3 81.9

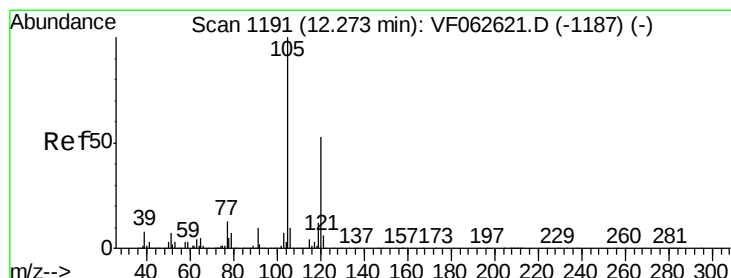
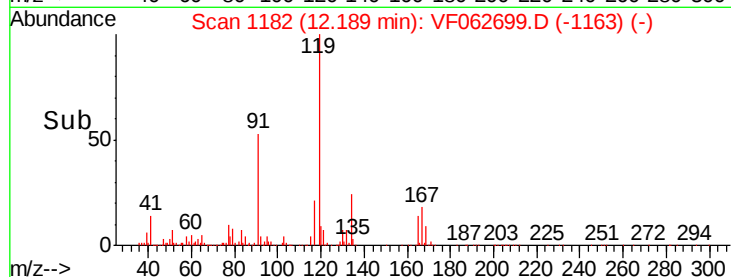
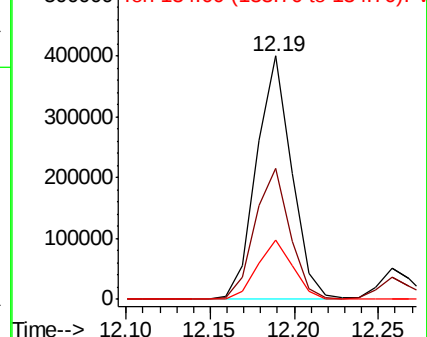
134 24.3 13.6 40.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VF0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 19.799 ug/l

RT: 12.26 min Scan# 1189

Delta R.T. -0.01 min

Lab File: VF062699.D

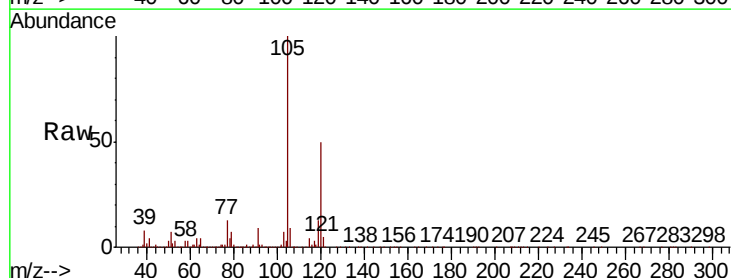
Acq: 22 May 2019 12:09

Tgt Ion:105 Resp: 535886

Ion Ratio Lower Upper

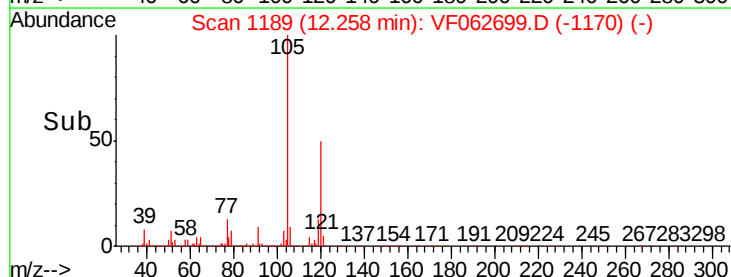
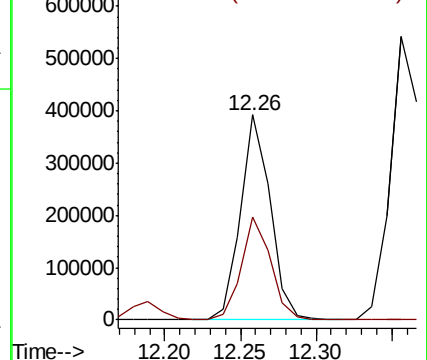
105 100

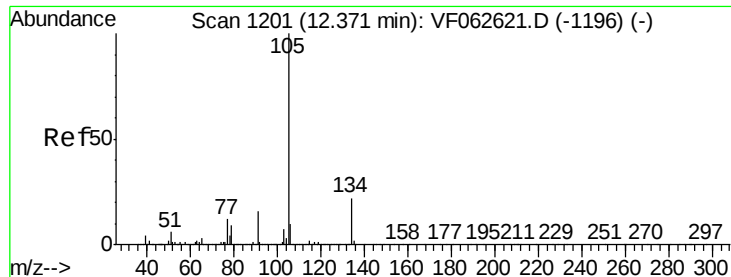
120 50.1 26.7 80.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 20.526 ug/l

RT: 12.36 min Scan# 1199

Delta R.T. -0.01 min

Lab File: VF062699.D

Acq: 22 May 2019 12:09

Instrument :

MSVOA_F

ClientSampleId :

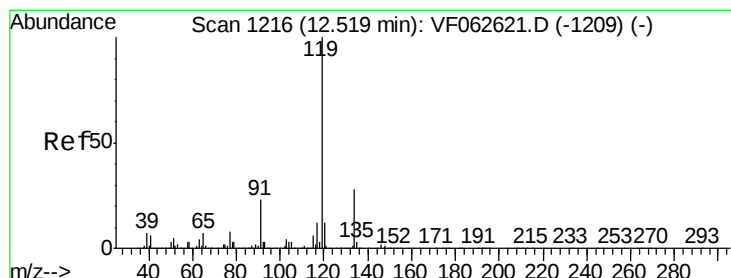
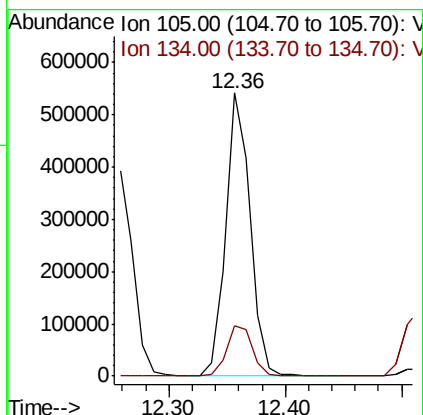
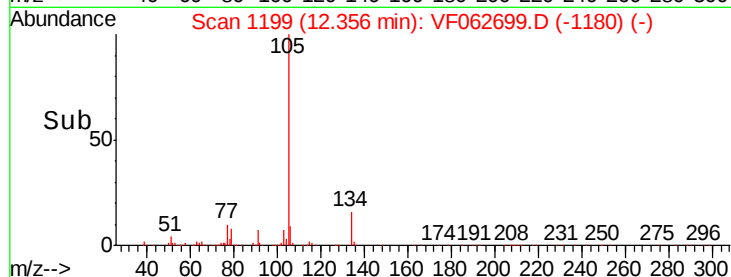
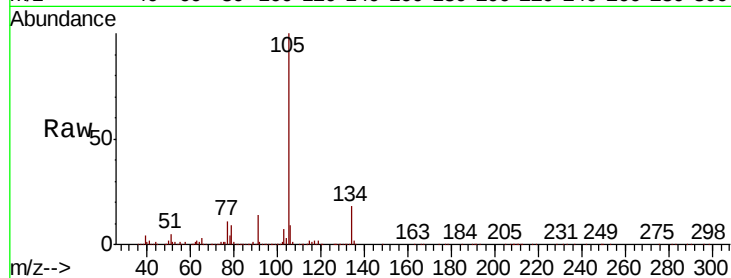
VF0522SBS01

Tot Ion:105 Resp: 781533

Ion Ratio Lower Upper

105 100

134 17.9 10.8 32.4



#86

p-Isopropyltoluene

Concen: 20.800 ug/l

RT: 12.51 min Scan# 1215

Delta R.T. -0.01 min

Lab File: VF062699.D

Acq: 22 May 2019 12:09

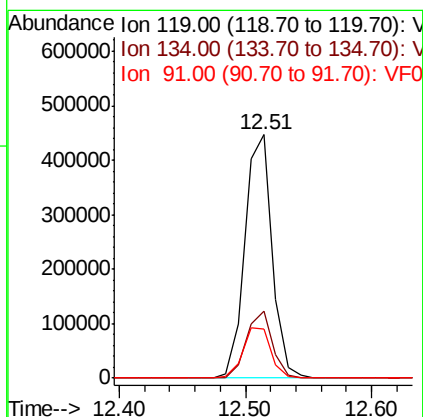
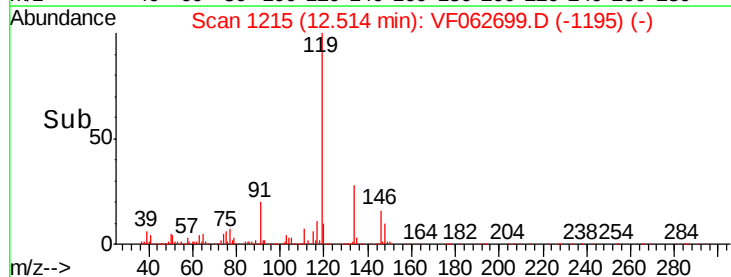
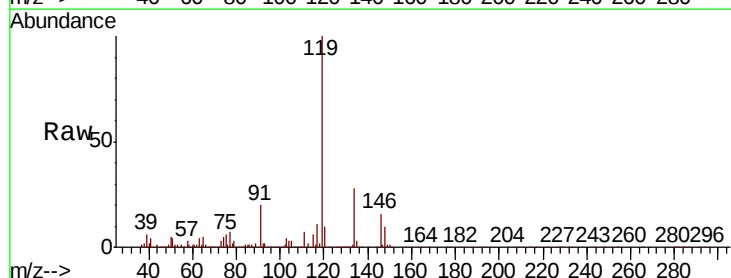
Tgt Ion:119 Resp: 667427

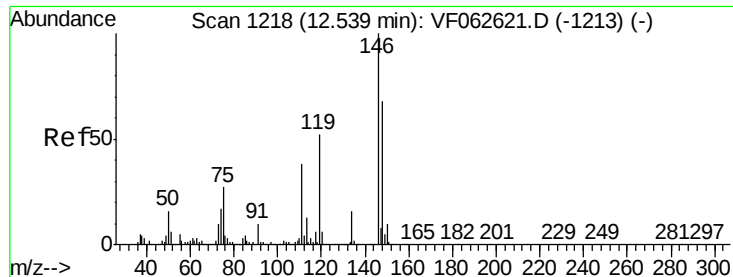
Ion Ratio Lower Upper

119 100

134 27.7 14.1 42.3

91 20.1 11.4 34.2





#87

1,3-Dichlorobenzene

Concen: 20.555 ug/l

RT: 12.52 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VF062699.D

Acq: 22 May 2019 12:09

Instrument :

MSVOA_F

ClientSampleId :

VF0522SBS01

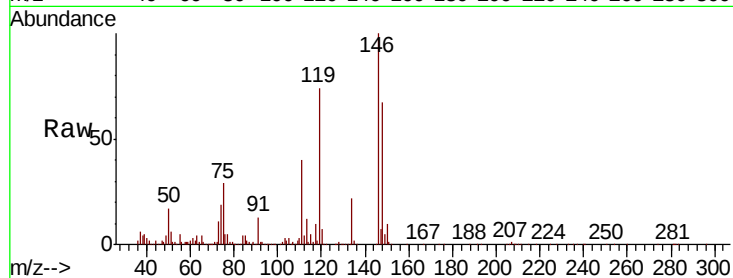
Tot Ion:146 Resp: 322388

Ion Ratio Lower Upper

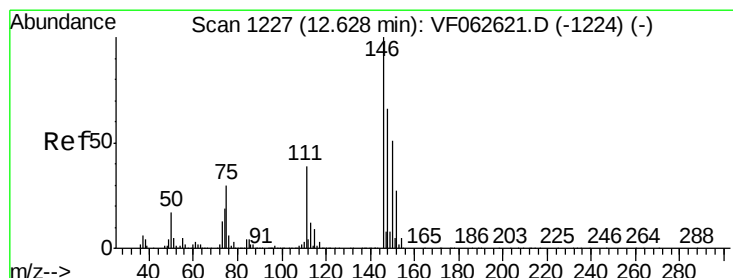
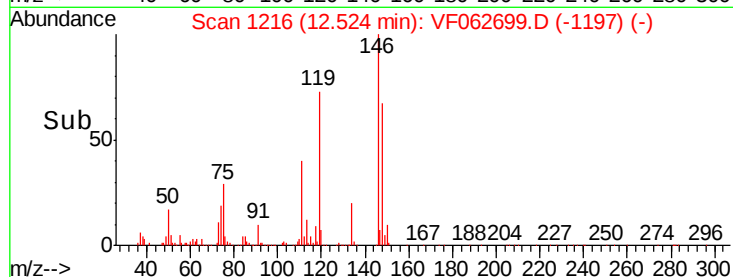
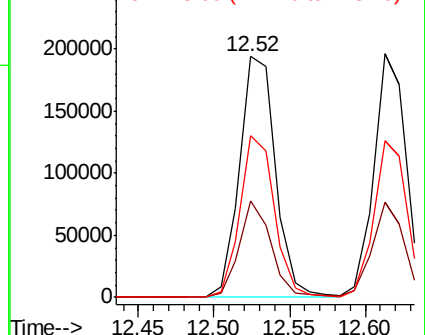
146 100

111 40.2 18.9 56.9

148 67.4 34.0 101.8



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V



#88

1,4-Dichlorobenzene

Concen: 20.286 ug/l

RT: 12.61 min Scan# 1225

Delta R.T. -0.01 min

Lab File: VF062699.D

Acq: 22 May 2019 12:09

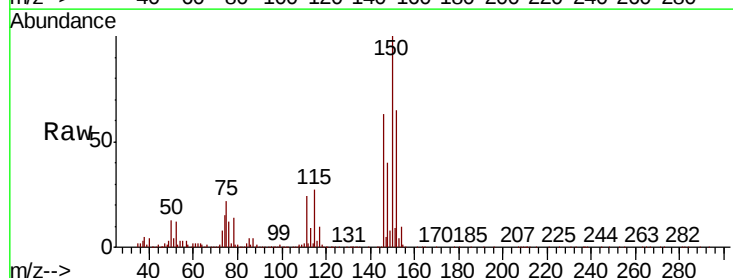
Tgt Ion:146 Resp: 298565

Ion Ratio Lower Upper

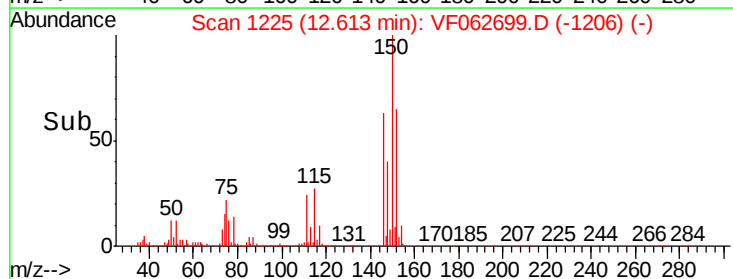
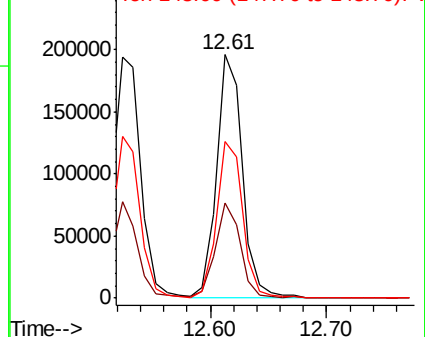
146 100

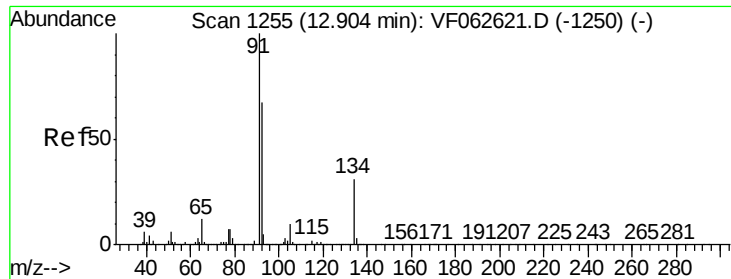
111 38.9 19.4 58.2

148 64.1 33.2 99.6



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V





#89

n-Butylbenzene

Concen: 21.762 ug/l

RT: 12.89 min Scan# 1253

Delta R.T. -0.01 min

Lab File: VF062699.D

Acq: 22 May 2019 12:09

Instrument :

MSVOA_F

ClientSampleId :

VF0522SBS01

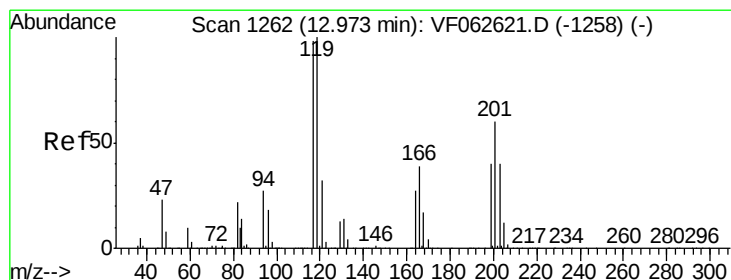
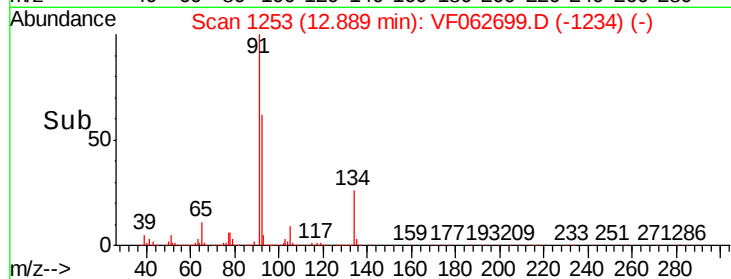
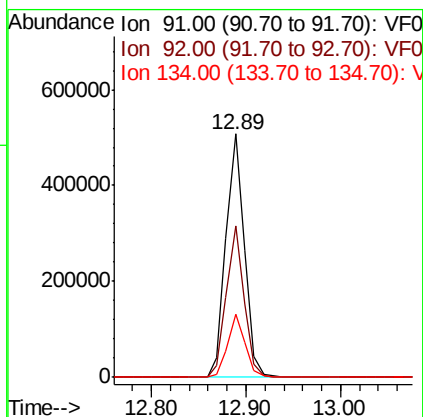
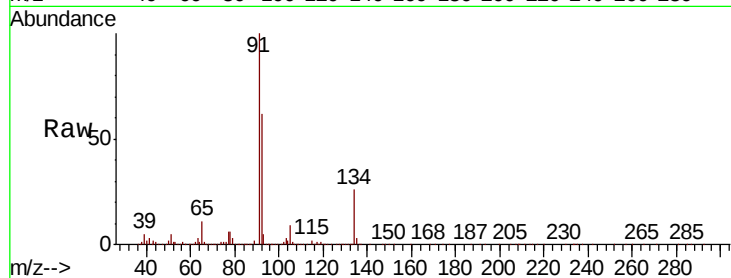
Tot Ion: 91 Resp: 688483

Ion Ratio Lower Upper

91 100

92 62.3 33.3 99.8

134 26.1 15.4 46.4



#90

Hexachloroethane

Concen: 20.882 ug/l

RT: 12.97 min Scan# 1261

Delta R.T. -0.01 min

Lab File: VF062699.D

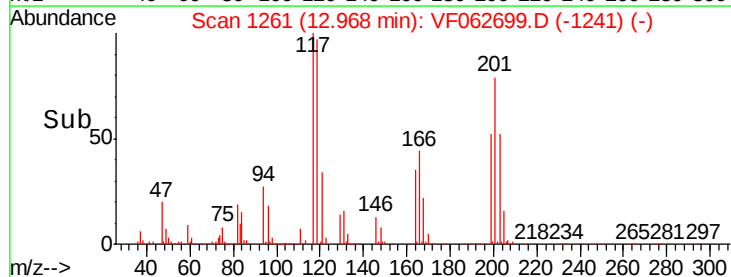
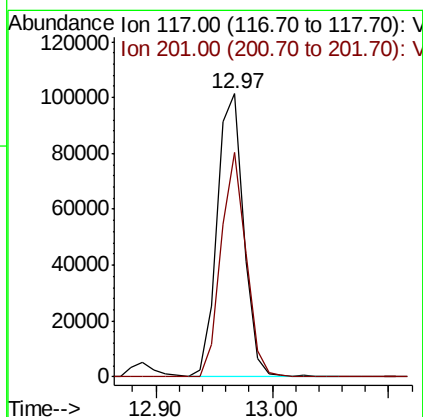
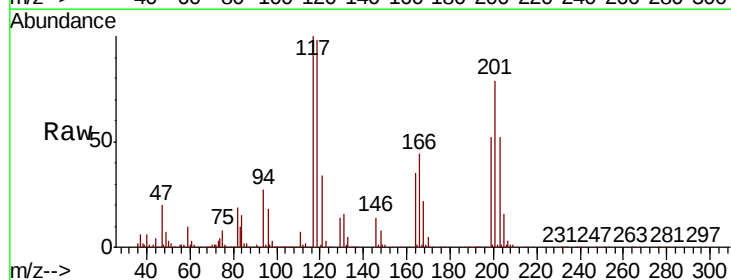
Acq: 22 May 2019 12:09

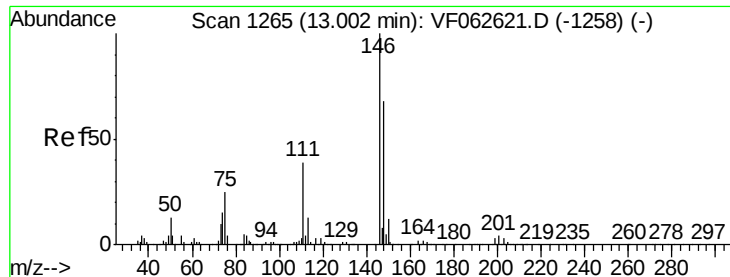
Tgt Ion: 117 Resp: 160737

Ion Ratio Lower Upper

117 100

201 79.4 30.7 92.1





#91

1,2-Dichlorobenzene

Concen: 20.556 ug/l

RT: 12.99 min Scan# 1263

Delta R.T. -0.01 min

Lab File: VF062699.D

Acq: 22 May 2019 12:09

Instrument :

MSVOA_F

ClientSampleId :

VF0522SBS01

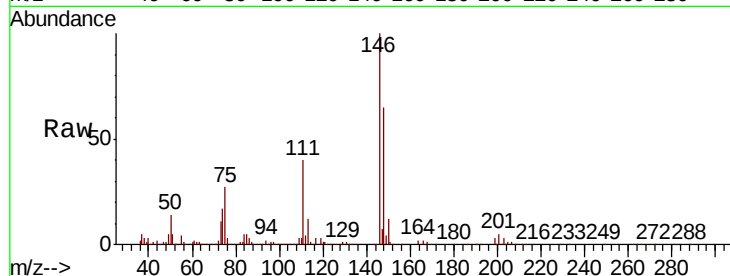
Tot Ion:146 Resp: 287378

Ion Ratio Lower Upper

146 100

111 40.0 19.8 59.3

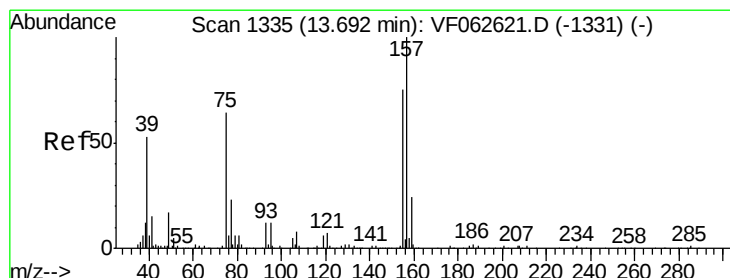
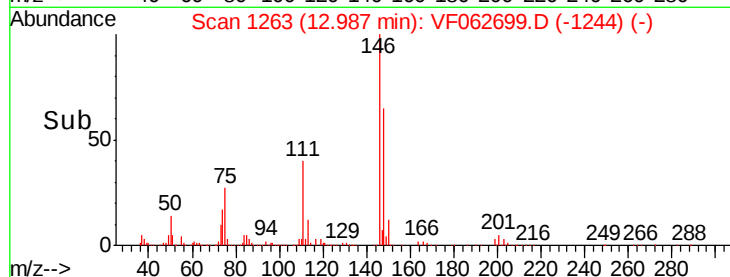
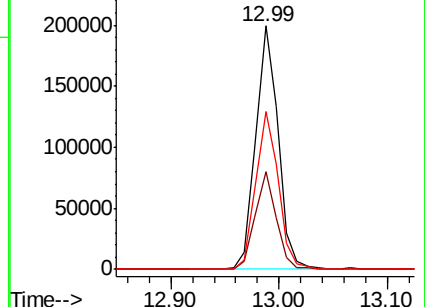
148 65.1 34.1 102.2



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: 21.276 ug/l

RT: 13.68 min Scan# 1333

Delta R.T. -0.01 min

Lab File: VF062699.D

Acq: 22 May 2019 12:09

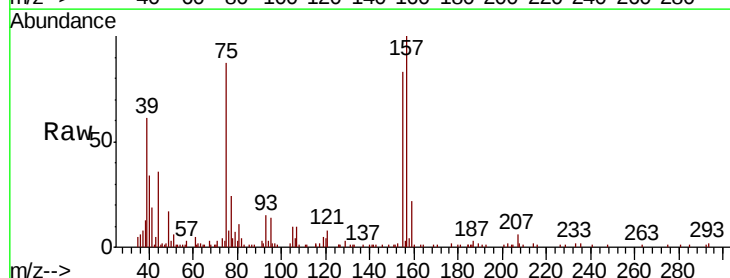
Tgt Ion: 75 Resp: 18090

Ion Ratio Lower Upper

75 100

155 94.9 58.1 174.3

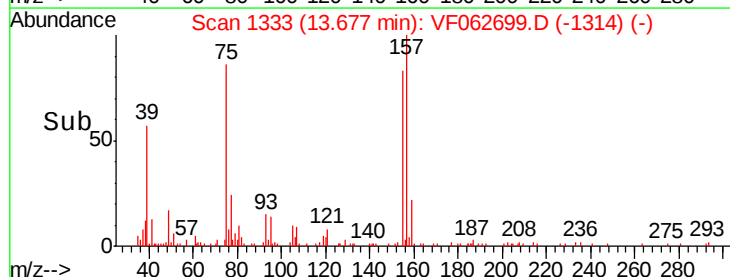
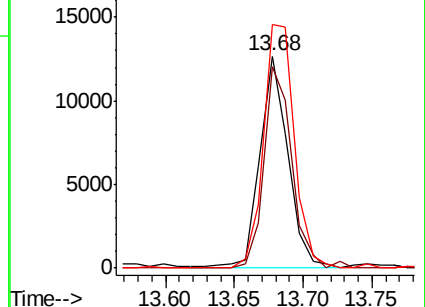
157 119.4 77.8 233.4

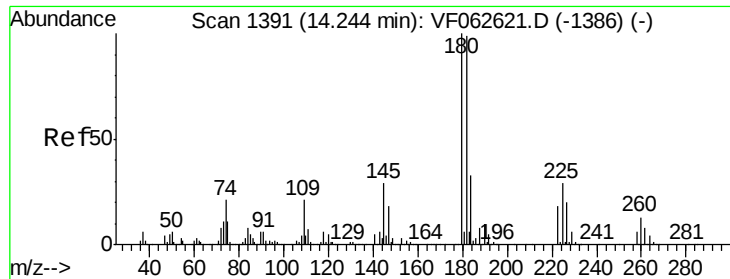


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

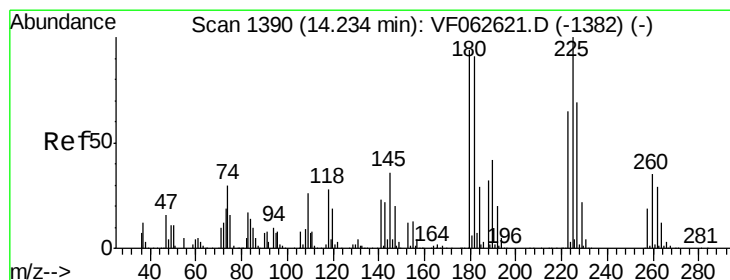
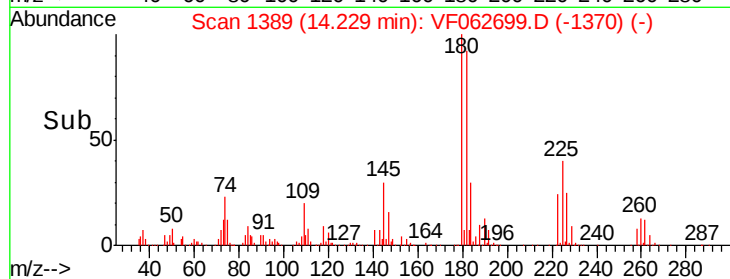
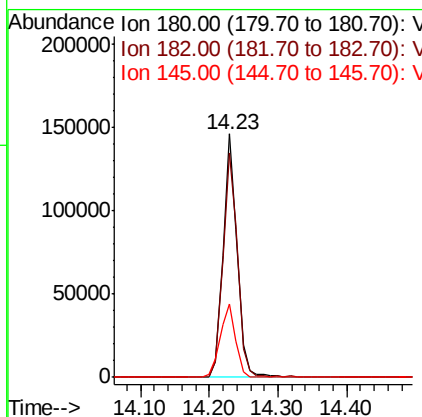
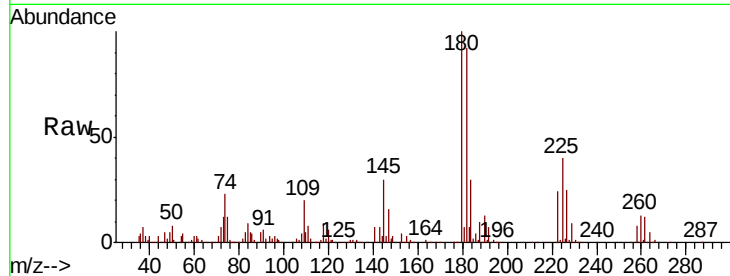




#93
 1,2,4-Trichlorobenzene
 Concen: 20.622 ug/l
 RT: 14.23 min Scan# 1389
 Delta R.T. -0.01 min
 Lab File: VF062699.D
 Acq: 22 May 2019 12:09

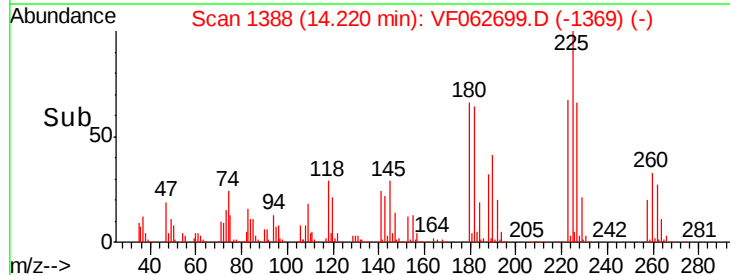
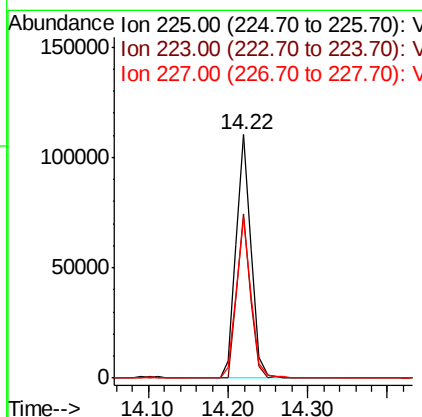
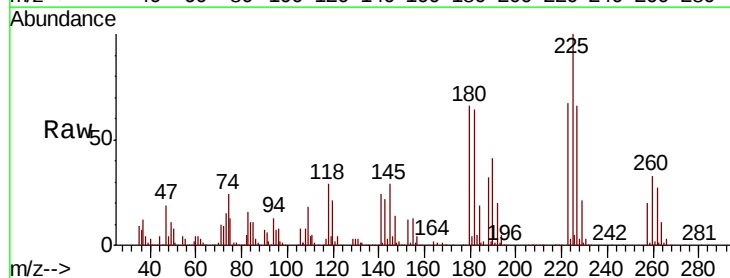
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0522SBS01

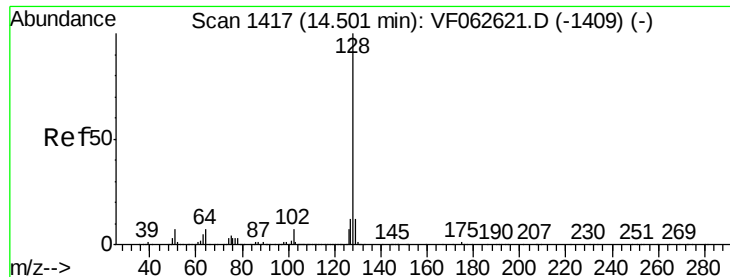
Tot Ion	Ratio	Lower	Upper
180	100		
182	92.0	49.7	149.1
145	30.3	14.6	44.0



#94
 Hexachlorobutadiene
 Concen: 21.219 ug/l
 RT: 14.22 min Scan# 1388
 Delta R.T. -0.01 min
 Lab File: VF062699.D
 Acq: 22 May 2019 12:09

Tgt Ion	Ratio	Lower	Upper
225	100		
223	67.3	32.5	97.4
227	65.9	34.5	103.5





#95

Naphthalene

Concen: 16.362 ug/l

RT: 14.49 min Scan# 1415

Delta R.T. -0.01 min

Lab File: VF062699.D

Acq: 22 May 2019 12:09

Instrument :

MSVOA_F

ClientSampleId :

VF0522SBS01

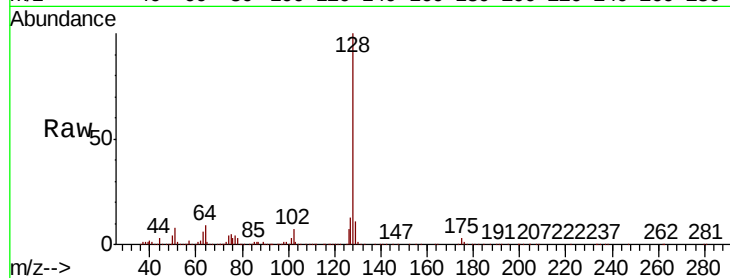
Tot Ion:128 Resp: 297460

Ion Ratio Lower Upper

128 100

127 12.9 9.7 14.5

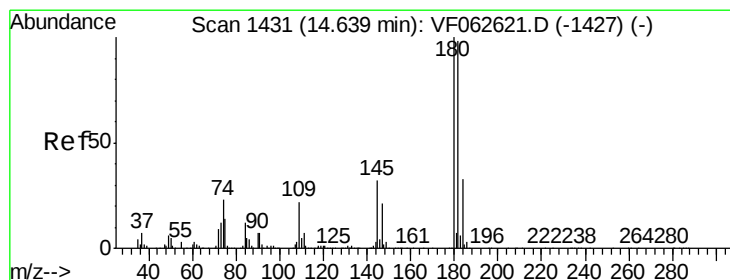
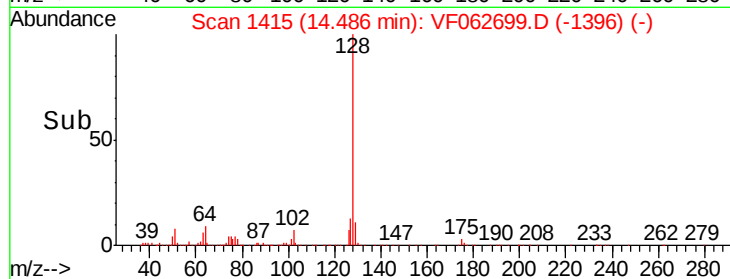
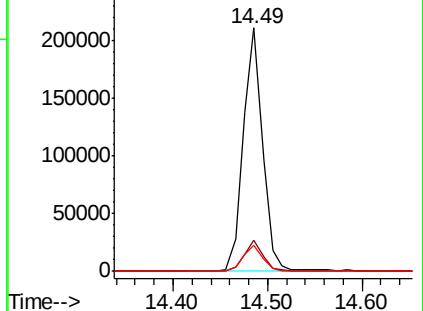
129 10.6 9.3 13.9



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 19.346 ug/l

RT: 14.63 min Scan# 1430

Delta R.T. -0.01 min

Lab File: VF062699.D

Acq: 22 May 2019 12:09

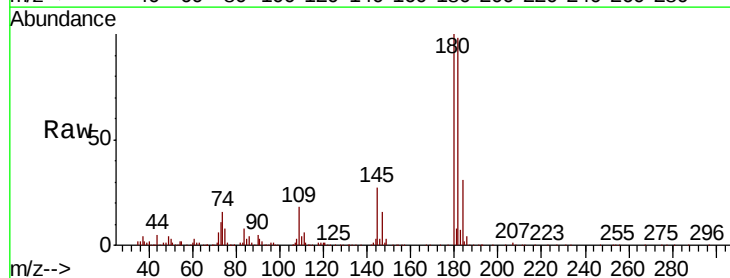
Tgt Ion:180 Resp: 183375

Ion Ratio Lower Upper

180 100

182 98.1 48.9 146.7

145 26.7 16.1 48.2



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

