

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052219\
 Data File : VF062700.D
 Acq On : 22 May 2019 12:38
 Operator : FY/SY
 Sample : VF0522SBSD01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0522SBSD01

Quant Time: May 23 01:20:58 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	803815	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.76	114	1298676	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.90	117	872466	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.60	152	401031	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	278250	48.99	ug/l	-0.01
Spiked Amount			Recovery	=	97.98%	
35) Dibromofluoromethane	4.30	113	492798	49.59	ug/l	-0.01
Spiked Amount			Recovery	=	99.18%	
50) Toluene-d8	7.70	98	1054442	44.44	ug/l	-0.01
Spiked Amount			Recovery	=	88.88%	
62) 4-Bromofluorobenzene	11.49	95	352485	39.17	ug/l	-0.01
Spiked Amount			Recovery	=	78.34%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.00	85	204121	18.660	ug/l	92
3) Chloromethane	1.14	50	174581	17.333	ug/l	94
4) Vinyl Chloride	1.20	62	175039	18.880	ug/l #	87
5) Bromomethane	1.41	94	102947	20.297	ug/l	99
6) Chloroethane	1.44	64	60961	17.903	ug/l #	80
7) Trichlorofluoromethane	1.56	101	247859	19.910	ug/l	88
8) Diethyl Ether	1.71	74	48645	19.725	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	1.92	101	168932	21.311	ug/l	96
10) Methyl Iodide	1.99	142	332170	21.332	ug/l	97
11) Tert butyl alcohol	2.69	59	37427	99.803	ug/l #	81
12) 1,1-Dichloroethene	1.88	96	145804	20.192	ug/l	96
13) Acrolein	2.09	56	36203	92.483	ug/l	98
14) Allyl chloride	2.19	41	116913	17.889	ug/l	84
15) Acrylonitrile	3.08	53	153895	145.481	ug/l #	90
16) Acetone	2.34	43	112523	76.359	ug/l #	89
17) Carbon Disulfide	1.92	76	300043	14.019	ug/l #	94
18) Methyl Acetate	2.46	43	46759	20.192	ug/l	93
19) Methyl tert-butyl Ether	2.54	73	268604	20.808	ug/l	98
20) Methylene Chloride	2.34	84	107664	14.576	ug/l	90
21) trans-1,2-Dichloroethene	2.42	96	134856	19.107	ug/l	90
22) Diisopropyl ether	2.93	45	303391	18.822	ug/l #	90
23) Vinyl Acetate	3.34	43	1133501	104.248	ug/l	97
24) 1,1-Dichloroethane	3.00	63	255657	21.621	ug/l	99
25) 2-Butanone	4.51	43	287120	91.196	ug/l	96
26) 2,2-Dichloropropane	3.77	77	145556	21.514	ug/l	96
27) cis-1,2-Dichloroethene	3.64	96	257503	22.180	ug/l	91
28) Bromochloromethane	3.89	49	131831	19.879	ug/l	99
29) Tetrahydrofuran	4.26	42	123102	96.624	ug/l	95
30) Chloroform	4.05	83	346451	21.103	ug/l	99
31) Cyclohexane	3.86	56	173535	10.930	ug/l	94
32) 1,1,1-Trichloroethane	4.27	97	227412	20.858	ug/l	93
36) 1,1-Dichloropropene	4.46	75	272308	20.463	ug/l	98
37) Ethyl Acetate	4.28	43	102259	18.820	ug/l #	96
38) Carbon Tetrachloride	4.18	117	195461	19.530	ug/l	91

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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)
39) Methylcyclohexane	5.62	83	321653	20.088	ug/l	97
40) Benzene	4.82	78	811208	22.376	ug/l	99
41) Methacrylonitrile	4.92	41	55671	19.543	ug/l	94
42) 1,2-Dichloroethane	5.12	62	156497	21.647	ug/l	97
43) Isopropyl Acetate	7.10	43	122312	17.376	ug/l	97
44) Trichloroethene	5.67	130	206263	20.244	ug/l	99
45) 1,2-Dichloropropane	6.39	63	194021	21.201	ug/l	94
46) Dibromomethane	6.26	93	116899	22.103	ug/l	96
47) Bromodichloromethane	6.54	83	235056	21.408	ug/l	94
48) Methyl methacrylate	6.87	41	64531	17.539	ug/l	95
49) 1,4-Dioxane	6.87	88	15815	335.604	ug/l	93
51) 4-Methyl-2-Pentanone	8.39	43	467287	97.117	ug/l	98
52) Toluene	7.77	92	398709	20.971	ug/l	96
53) t-1,3-Dichloropropene	8.41	75	185197	20.617	ug/l	98
54) cis-1,3-Dichloropropene	7.45	75	262894	20.907	ug/l	96
55) 1,1,2-Trichloroethane	8.62	97	109466	19.445	ug/l	98
56) Ethyl methacrylate	8.75	69	118318	17.642	ug/l	95
57) 1,3-Dichloropropane	8.99	76	191760	19.999	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.44	63	200913	92.033	ug/l	95
59) 2-Hexanone	9.62	43	303304	85.132	ug/l	93
60) Dibromochloromethane	8.85	129	148833	20.285	ug/l	100
61) 1,2-Dibromoethane	9.12	107	119769	20.031	ug/l	98
64) Tetrachloroethene	8.30	164	161741	23.400	ug/l	99
65) Chlorobenzene	9.92	112	379774	22.162	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.05	131	161488	23.475	ug/l	95
67) Ethyl Benzene	10.02	91	649016	21.802	ug/l	95
68) m/p-Xylenes	10.25	106	485314	43.376	ug/l	80
69) o-Xylene	10.81	106	244362	21.204	ug/l	93
70) Styrene	10.88	104	355086	20.272	ug/l	99
71) Bromoform	10.87	173	76020	22.064	ug/l #	97
73) Isopropylbenzene	11.20	105	688725	23.962	ug/l	96
74) N-amyl acetate	11.44	43	187916	22.755	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.77	83	134945	22.974	ug/l	99
76) 1,2,3-Trichloropropane	11.86	75	87593	22.695	ug/l	95
77) Bromobenzene	11.57	156	158975	22.251	ug/l	92
78) n-propylbenzene	11.67	91	781578	22.977	ug/l	95
79) 2-Chlorotoluene	11.78	91	441112	23.010	ug/l	96
80) 1,3,5-Trimethylbenzene	11.88	105	555099	24.085	ug/l	91
81) trans-1,4-Dichloro-2-buten	11.93	75	50736	29.573	ug/l	96
82) 4-Chlorotoluene	11.96	91	443302	23.450	ug/l	95
83) tert-Butylbenzene	12.19	119	584067	24.979	ug/l	97
84) 1,2,4-Trimethylbenzene	12.26	105	537466	24.095	ug/l	93
85) sec-Butylbenzene	12.36	105	780129	24.861	ug/l	92
86) p-Isopropyltoluene	12.51	119	642461	24.294	ug/l	95
87) 1,3-Dichlorobenzene	12.53	146	308393	23.859	ug/l	93
88) 1,4-Dichlorobenzene	12.61	146	265819	21.914	ug/l	98
89) n-Butylbenzene	12.89	91	644730	24.727	ug/l	92
90) Hexachloroethane	12.97	117	160615	25.318	ug/l	81
91) 1,2-Dichlorobenzene	12.99	146	275199	23.885	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.68	75	18621	26.573	ug/l	55

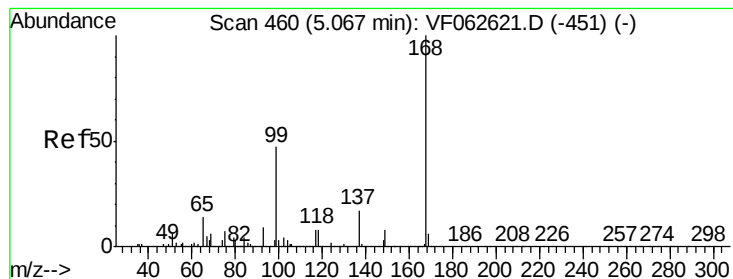
Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052219\
Data File : VF062700.D
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Sample : VF0522SBSD01
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Quant Title : SW846 8260
QLast Update : Fri May 17 05:49:09 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.23	180	202302	24.529	ug/l	93
94) Hexachlorobutadiene	14.22	225	135584	23.557	ug/l	98
95) Naphthalene	14.49	128	315619	21.065	ug/l	99
96) 1,2,3-Trichlorobenzene	14.63	180	180246	23.073	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.04 min Scan# 457

Delta R.T. -0.02 min

Lab File: VF062700.D

Acq: 22 May 2019 12:38

Instrument :

MSVOA_F

ClientSampleId :

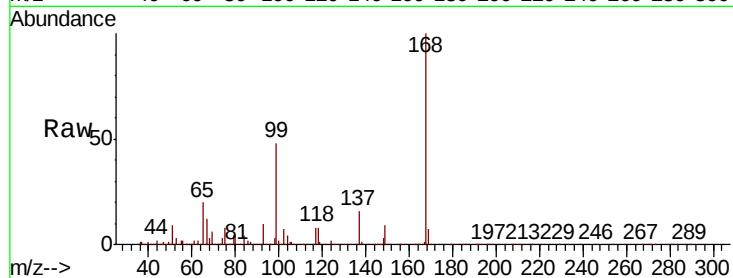
VF0522SBSD01

Tot Ion:168 Resp: 803815

Ion Ratio Lower Upper

168 100

99 48.0 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

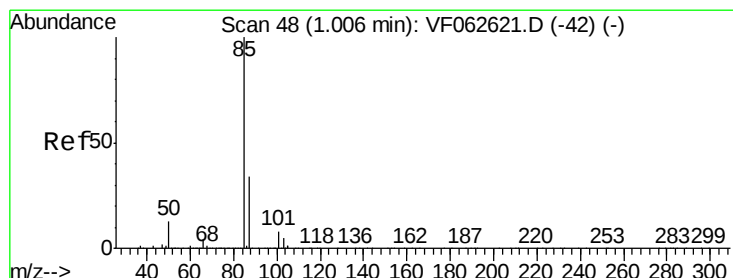
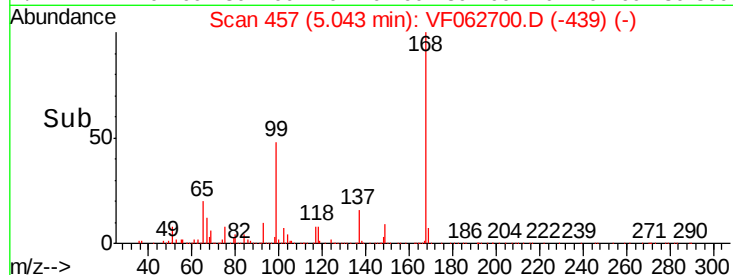
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 18.660 ug/l

RT: 1.00 min Scan# 47

Delta R.T. -0.00 min

Lab File: VF062700.D

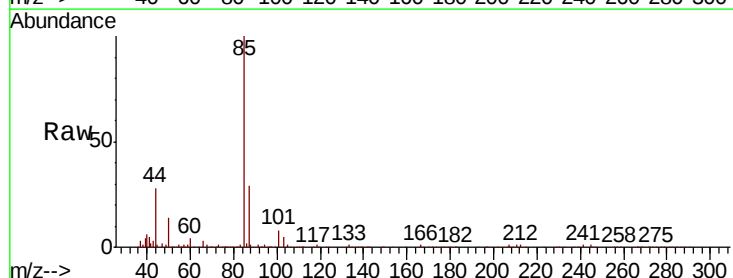
Acq: 22 May 2019 12:38

Tgt Ion: 85 Resp: 204121

Ion Ratio Lower Upper

85 100

87 29.1 16.8 50.3



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

1.00

60000

50000

40000

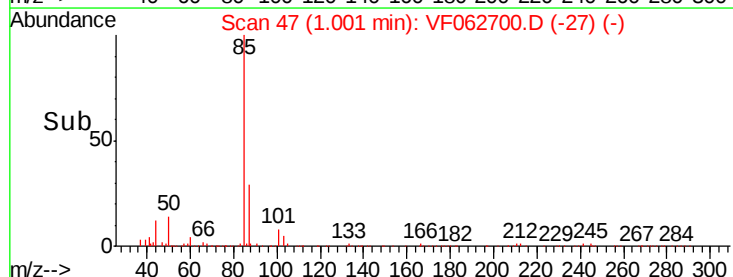
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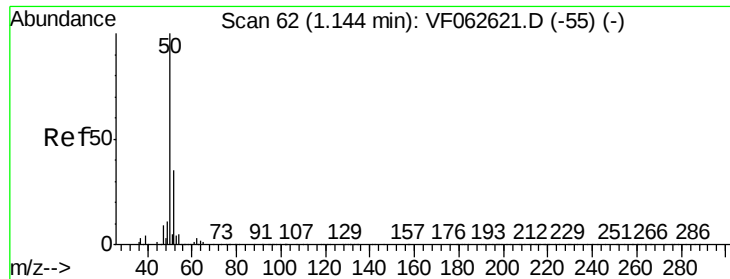
20000

10000

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Time-->





#3

Chloromethane

Concen: 17.333 ug/l

RT: 1.14 min Scan# 61

Delta R.T. -0.00 min

Lab File: VF062700.D

Acq: 22 May 2019 12:38

Instrument :

MSVOA_F

ClientSampleId :

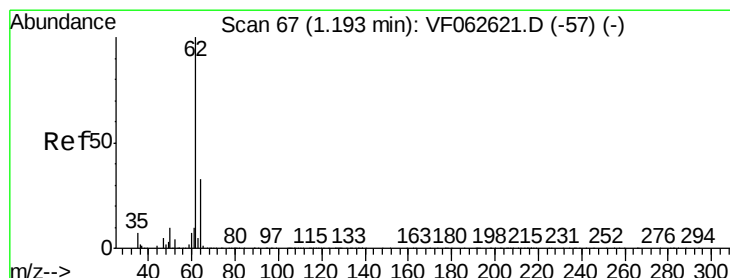
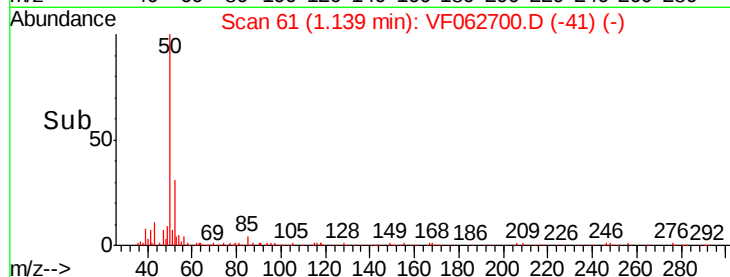
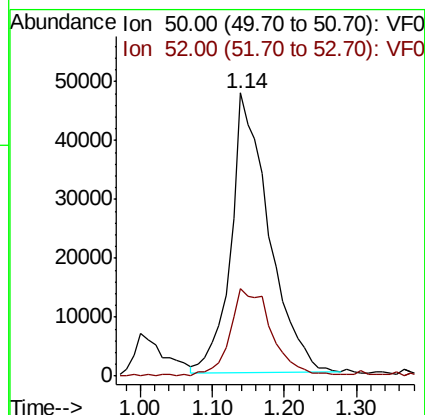
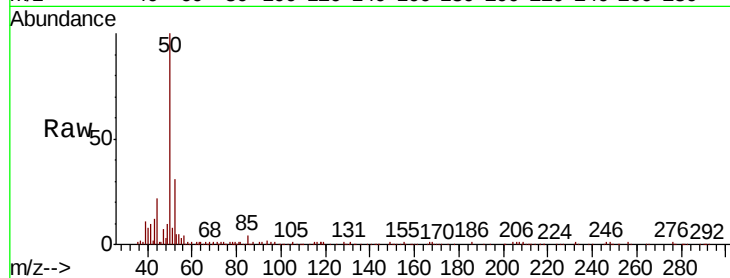
VF0522SBSD01

Tot Ion: 50 Resp: 174581

Ion Ratio Lower Upper

50 100

52 30.7 27.5 41.3



#4

Vinyl Chloride

Concen: 18.880 ug/l

RT: 1.20 min Scan# 67

Delta R.T. 0.00 min

Lab File: VF062700.D

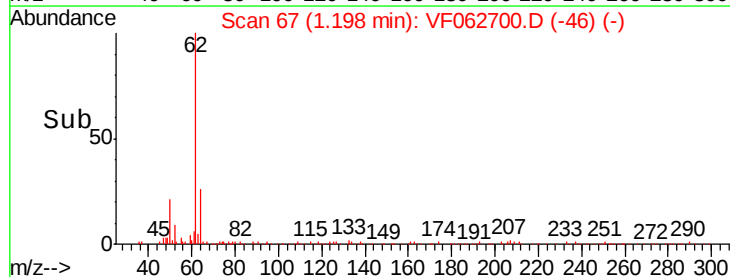
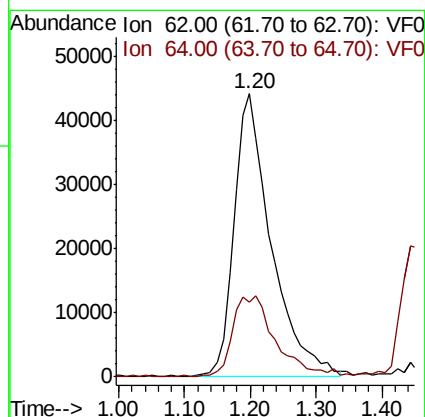
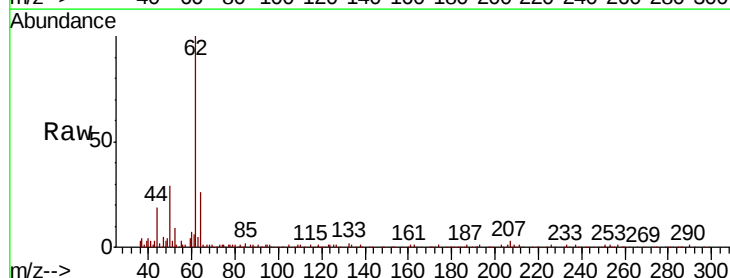
Acq: 22 May 2019 12:38

Tgt Ion: 62 Resp: 175039

Ion Ratio Lower Upper

62 100

64 26.2 26.7 40.1#





#5

Bromomethane

Concen: 20.297 ug/l

RT: 1.41 min Scan# 88

Delta R.T. 0.00 min

Lab File: VF062700.D

Acq: 22 May 2019 12:38

Instrument :

MSVOA_F

ClientSampleId :

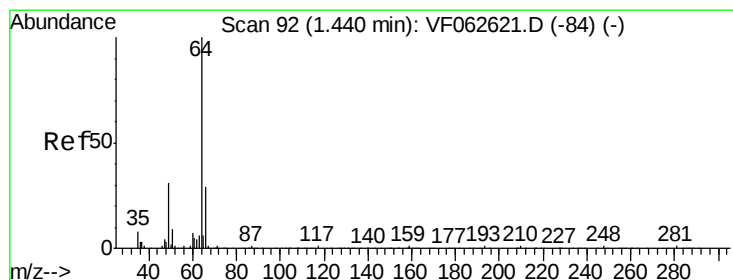
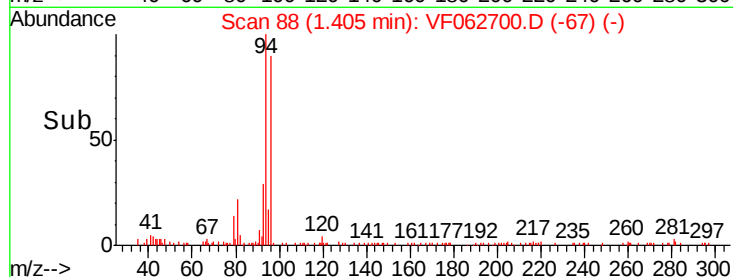
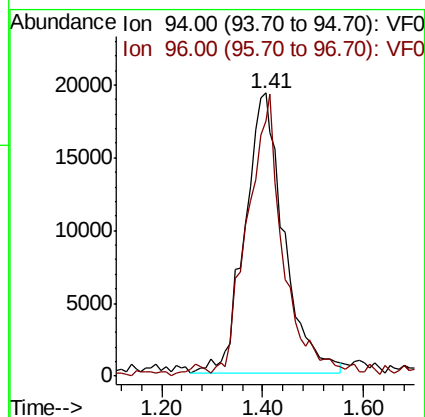
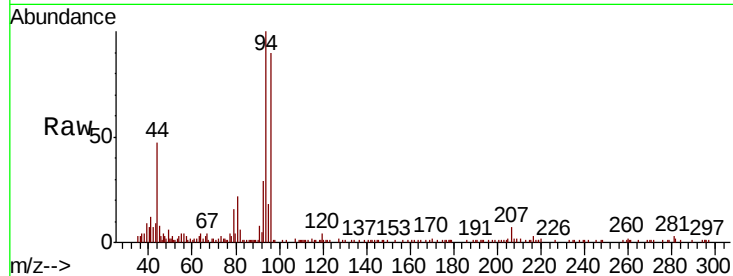
VF0522SBS01

Tot Ion: 94 Resp: 102947

Ion Ratio Lower Upper

94 100

96 90.2 73.2 109.8



#6

Chloroethane

Concen: 17.903 ug/l

RT: 1.44 min Scan# 92

Delta R.T. 0.00 min

Lab File: VF062700.D

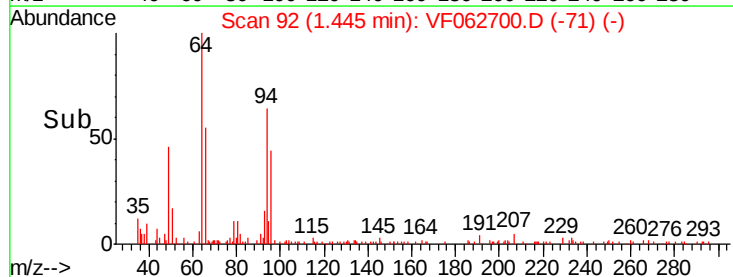
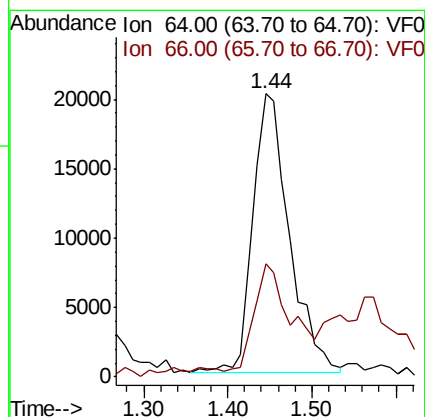
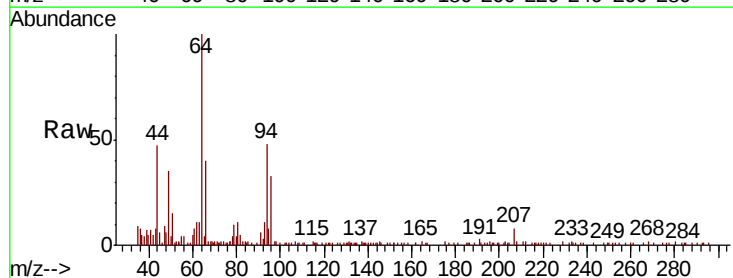
Acq: 22 May 2019 12:38

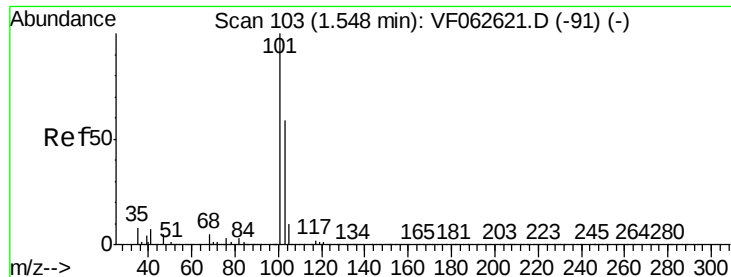
Tgt Ion: 64 Resp: 60961

Ion Ratio Lower Upper

64 100

66 40.1 23.4 35.2#



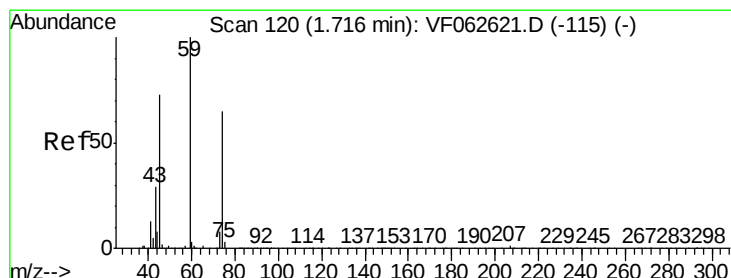
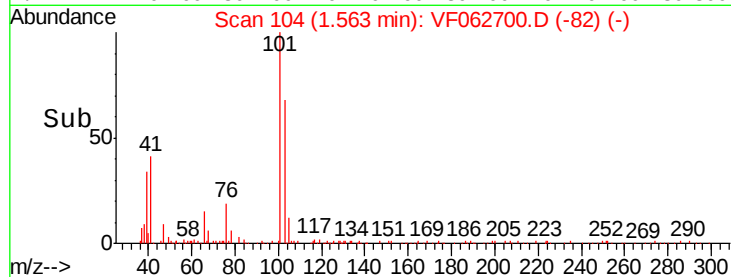
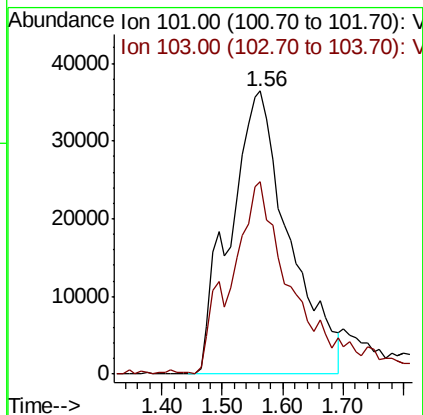
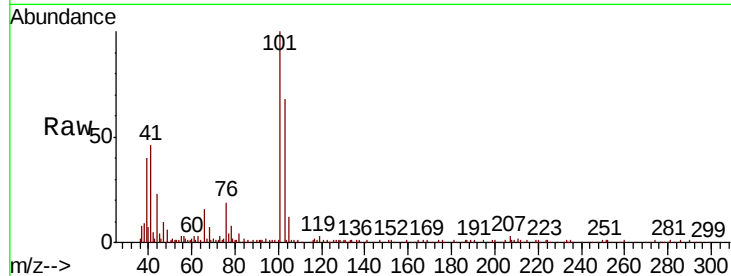


#7

Trichlorofluoromethane
Concen: 19.910 ug/l
RT: 1.56 min Scan# 104
Delta R.T. 0.01 min
Lab File: VF062700.D
Acq: 22 May 2019 12:38

Instrument :
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ClientSampleId :
VF0522SBS01

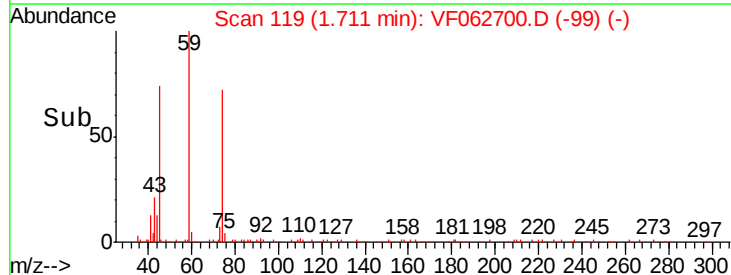
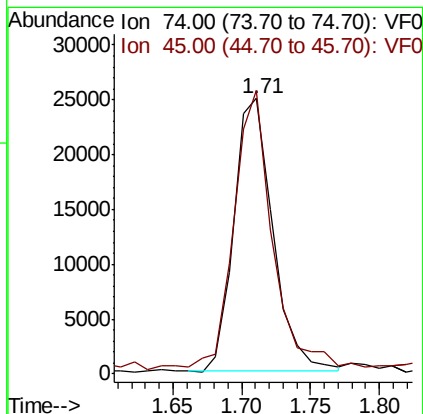
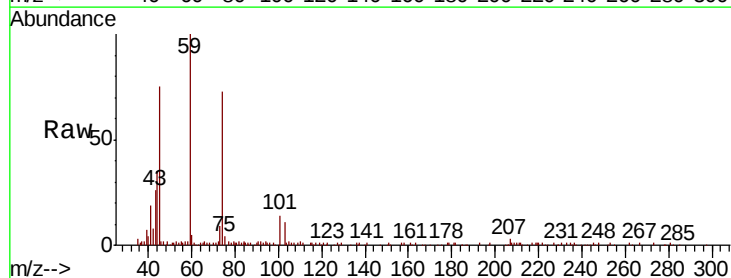
Tot Ion:101 Resp: 247859
Ion Ratio Lower Upper
101 100
103 68.1 47.3 70.9

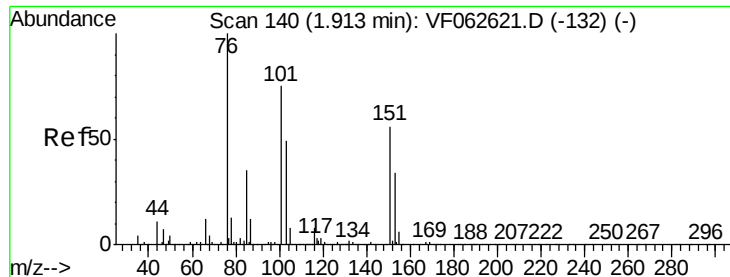


#8

Diethyl Ether
Concen: 19.725 ug/l
RT: 1.71 min Scan# 119
Delta R.T. -0.00 min
Lab File: VF062700.D
Acq: 22 May 2019 12:38

Tgt Ion: 74 Resp: 48645
Ion Ratio Lower Upper
74 100
45 102.8 57.0 170.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.311 ug/l

RT: 1.92 min Scan# 140

Delta R.T. 0.00 min

Lab File: VF062700.D

Acq: 22 May 2019 12:38

Instrument :

MSVOA_F

ClientSampleId :

VF0522SBS01

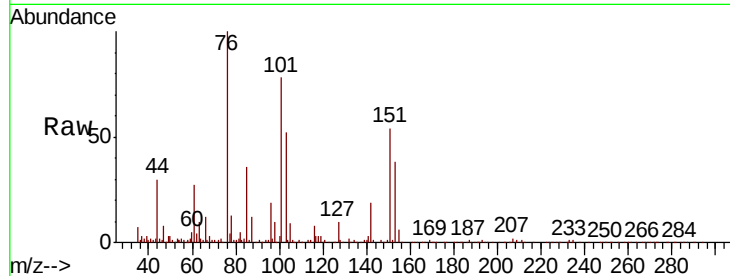
Tot Ion:101 Resp: 168932

Ion Ratio Lower Upper

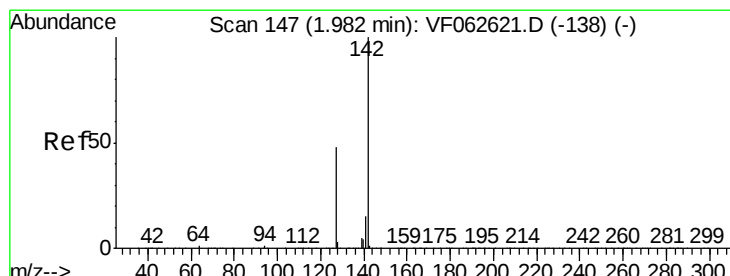
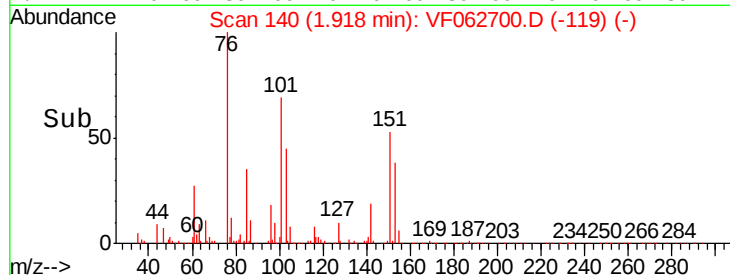
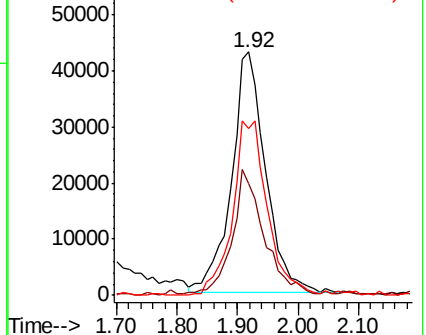
101 100

85 45.9 37.1 55.7

151 68.8 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: 21.332 ug/l

RT: 1.99 min Scan# 147

Delta R.T. 0.00 min

Lab File: VF062700.D

Acq: 22 May 2019 12:38

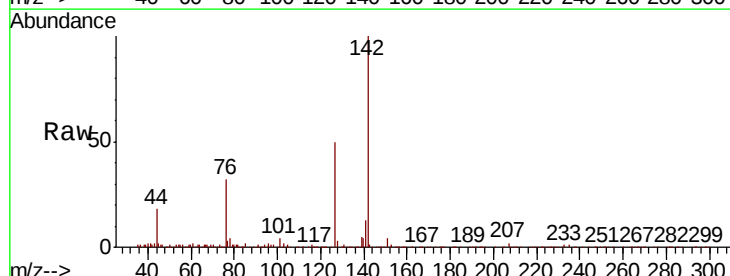
Tgt Ion:142 Resp: 332170

Ion Ratio Lower Upper

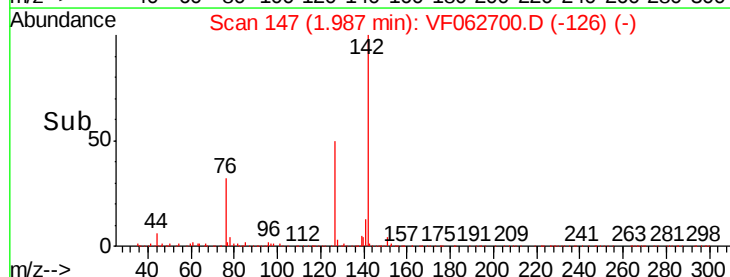
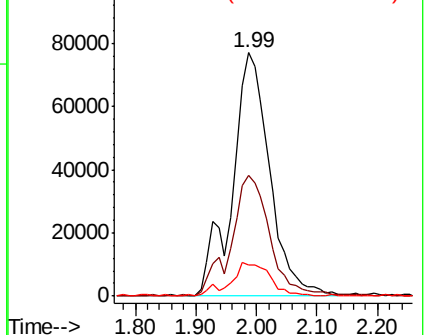
142 100

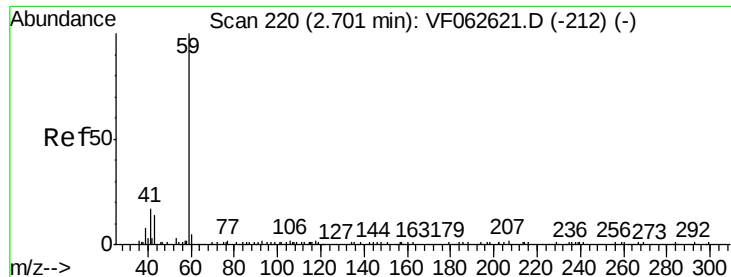
127 49.8 38.1 57.1

141 12.9 11.7 17.5



Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 141.00 (140.70 to 141.70): V



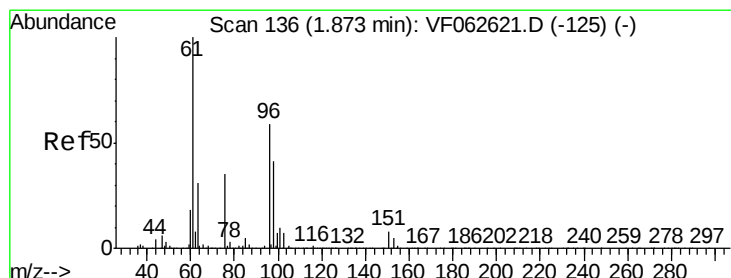
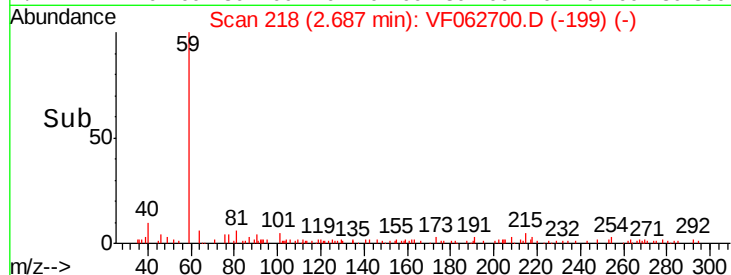
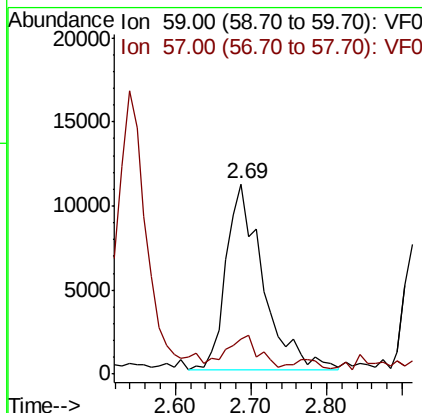
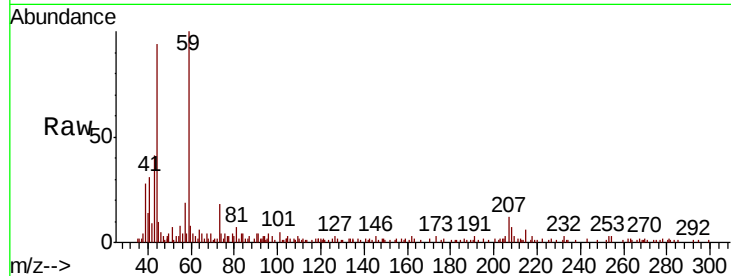


#11

Tert butyl alcohol
 Concen: 99.803 ug/l
 RT: 2.69 min Scan# 218
 Delta R.T. -0.01 min
 Lab File: VF062700.D
 Acq: 22 May 2019 12:38

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0522SBS01

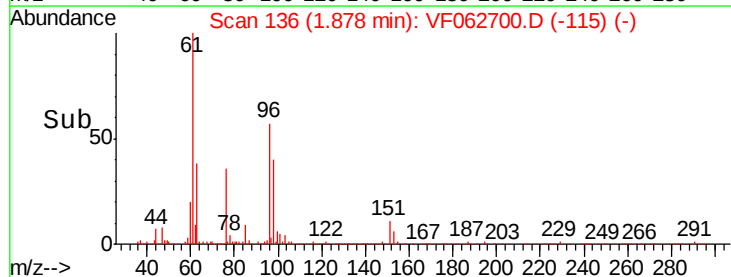
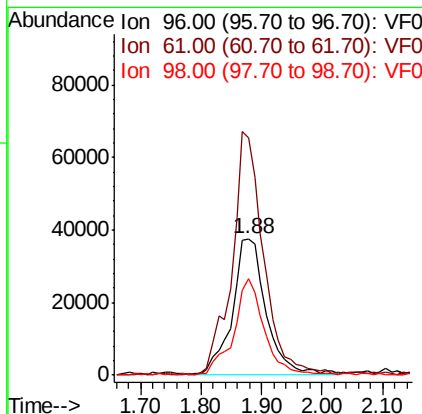
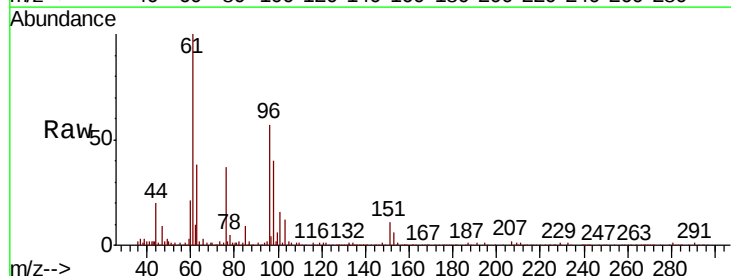
Tot Ion: 59 Resp: 37427
 Ion Ratio Lower Upper
 59 100
 57 18.7 9.3 13.9#

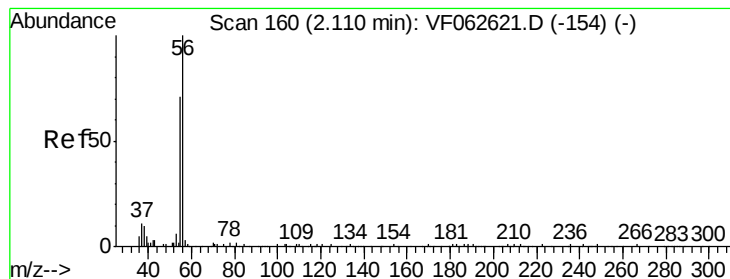


#12

1,1-Dichloroethene
 Concen: 20.192 ug/l
 RT: 1.88 min Scan# 136
 Delta R.T. 0.00 min
 Lab File: VF062700.D
 Acq: 22 May 2019 12:38

Tgt Ion: 96 Resp: 145804
 Ion Ratio Lower Upper
 96 100
 61 174.4 134.3 201.5
 98 70.4 55.0 82.6





#13

Acrolein

Concen: 92.483 ug/l

RT: 2.09 min Scan# 157

Delta R.T. -0.02 min

Lab File: VF062700.D

Acq: 22 May 2019 12:38

Instrument :

MSVOA_F

ClientSampleId :

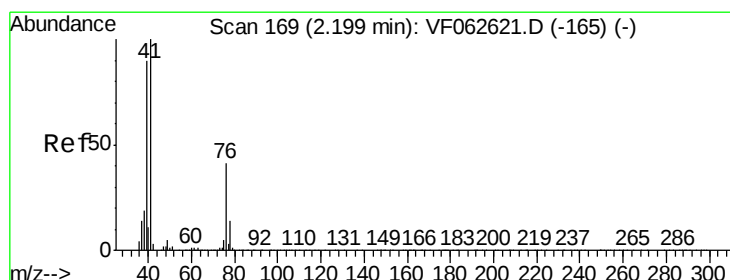
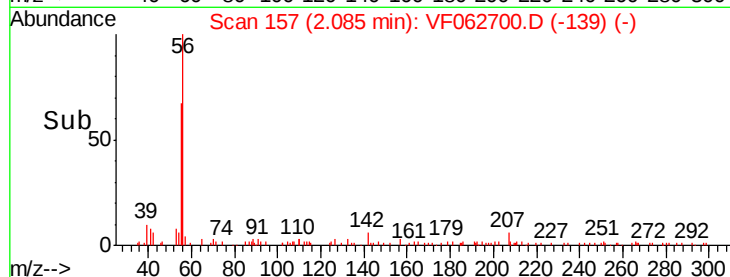
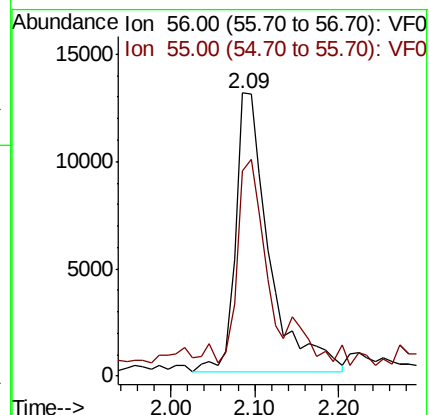
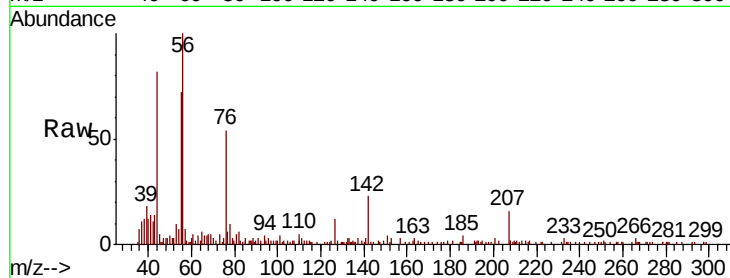
VF0522SBSD01

Tot Ion: 56 Resp: 36203

Ion Ratio Lower Upper

56 100

55 72.4 59.4 89.0



#14

Allyl chloride

Concen: 17.889 ug/l

RT: 2.19 min Scan# 168

Delta R.T. -0.00 min

Lab File: VF062700.D

Acq: 22 May 2019 12:38

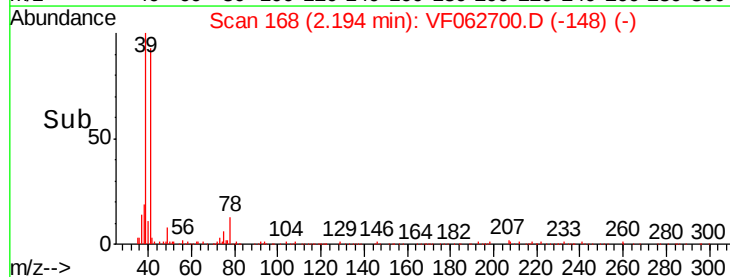
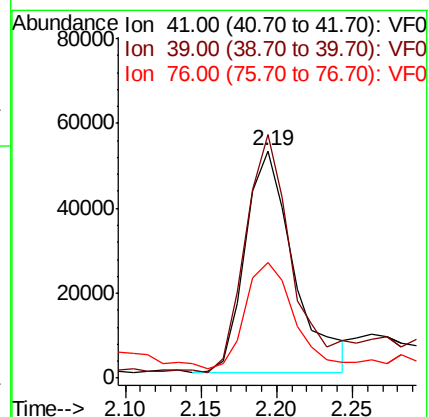
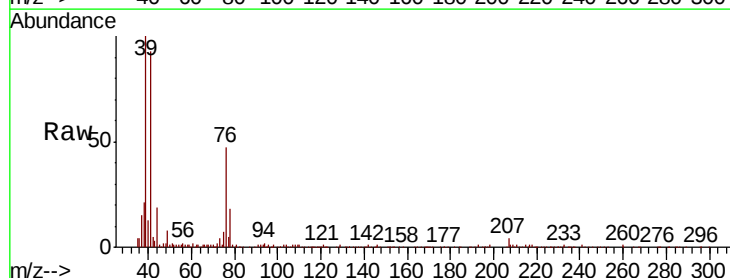
Tgt Ion: 41 Resp: 116913

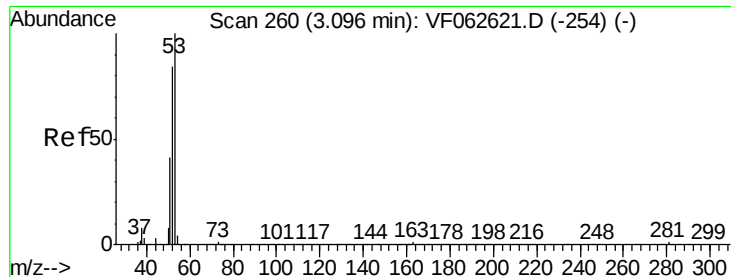
Ion Ratio Lower Upper

41 100

39 107.2 72.0 108.0

76 50.8 34.8 52.2





#15

Acrylonitrile

Concen: 145.481 ug/l

RT: 3.08 min Scan# 258

Delta R.T. -0.01 min

Lab File: VF062700.D

Acq: 22 May 2019 12:38

Instrument :

MSVOA_F

ClientSampleId :

VF0522SBS01

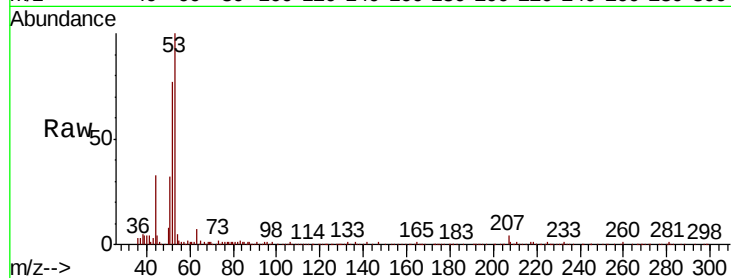
Tot Ion: 53 Resp: 153895

Ion Ratio Lower Upper

53 100

52 76.6 67.3 100.9

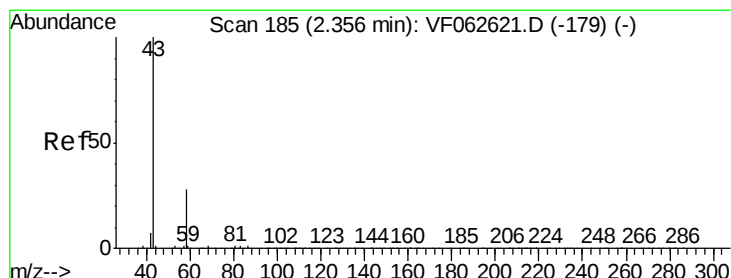
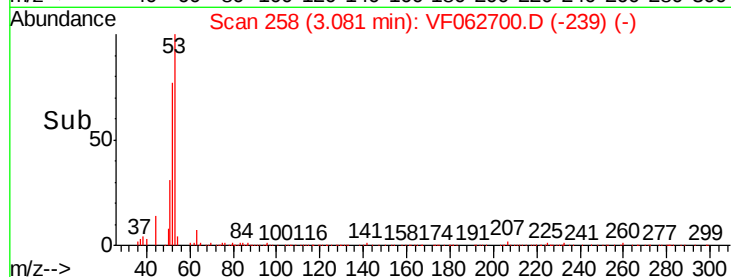
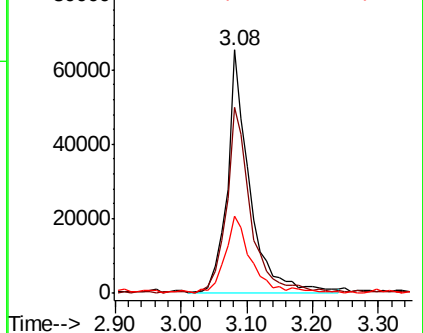
51 31.9 33.0 49.6#



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: 76.359 ug/l

RT: 2.34 min Scan# 183

Delta R.T. -0.01 min

Lab File: VF062700.D

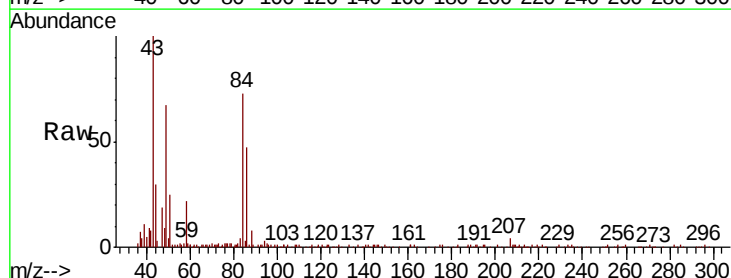
Acq: 22 May 2019 12:38

Tgt Ion: 43 Resp: 112523

Ion Ratio Lower Upper

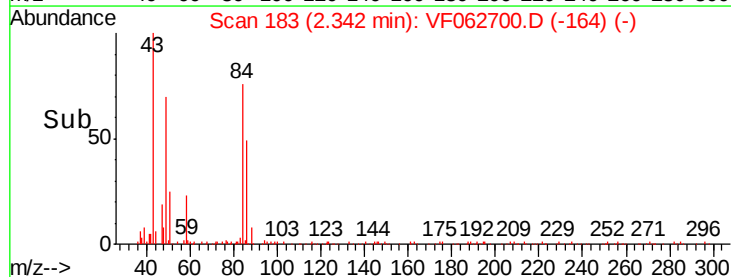
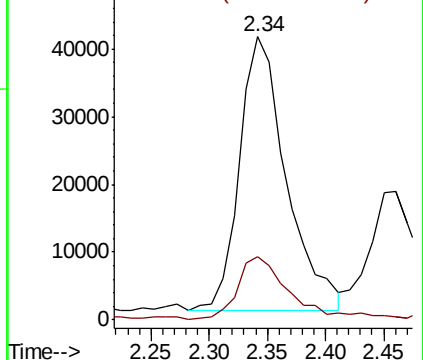
43 100

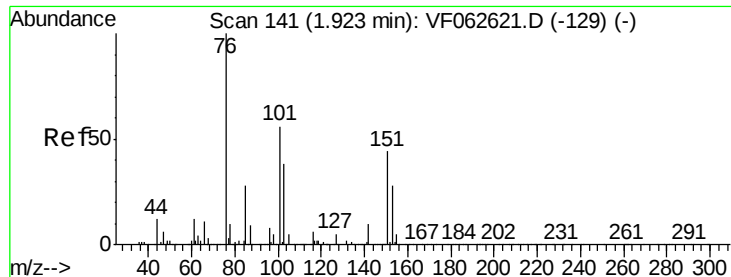
58 22.4 22.6 33.8#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#17

Carbon Disulfide

Concen: 14.019 ug/l

RT: 1.92 min Scan# 140

Delta R.T. -0.00 min

Lab File: VF062700.D

Acq: 22 May 2019 12:38

Instrument :

MSVOA_F

ClientSampleId :

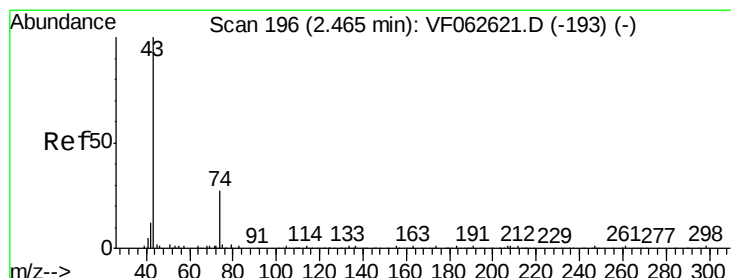
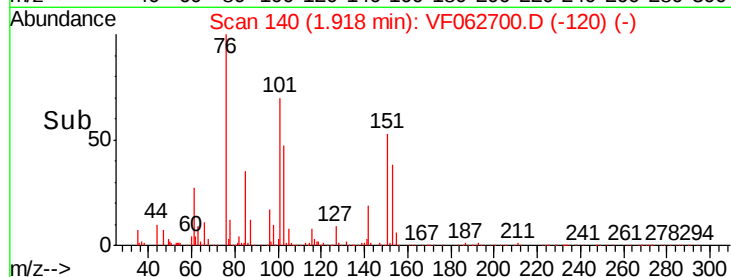
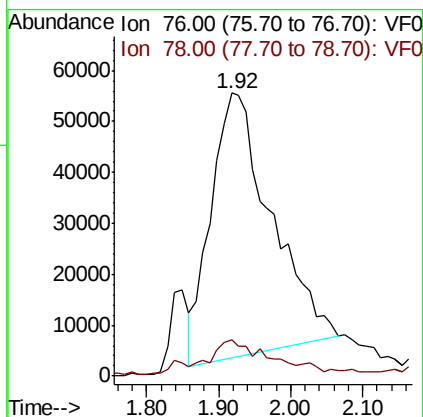
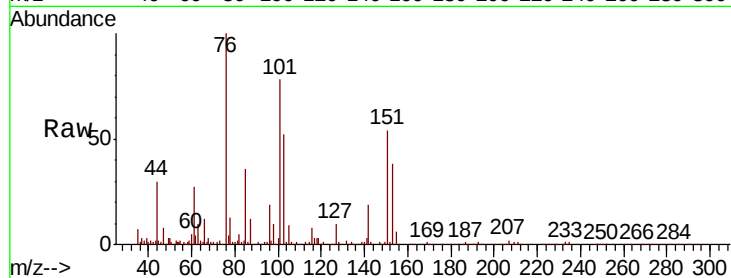
VF0522SBSD01

Tot Ion: 76 Resp: 300043

Ion Ratio Lower Upper

76 100

78 12.8 8.4 12.6#



#18

Methyl Acetate

Concen: 20.192 ug/l

RT: 2.46 min Scan# 195

Delta R.T. -0.00 min

Lab File: VF062700.D

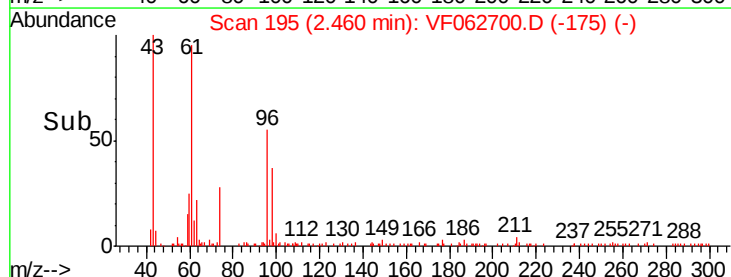
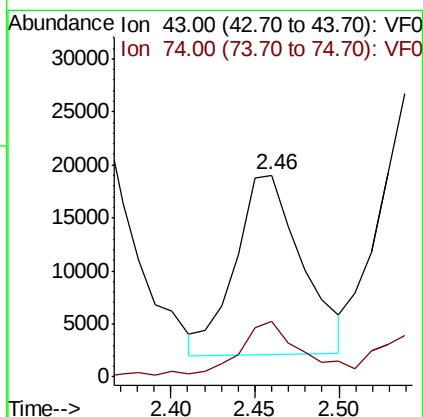
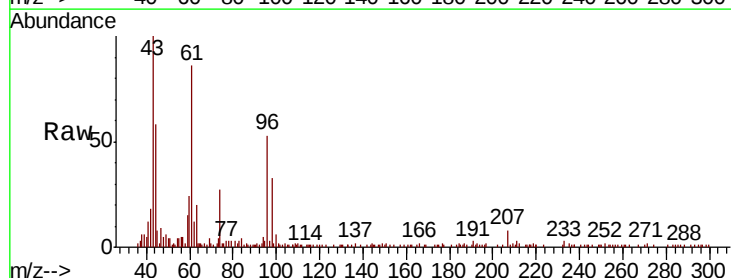
Acq: 22 May 2019 12:38

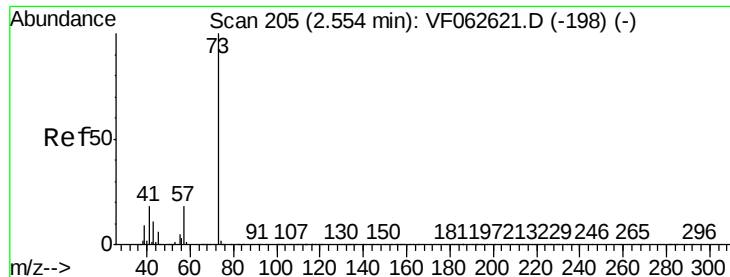
Tgt Ion: 43 Resp: 46759

Ion Ratio Lower Upper

43 100

74 27.2 18.9 28.3



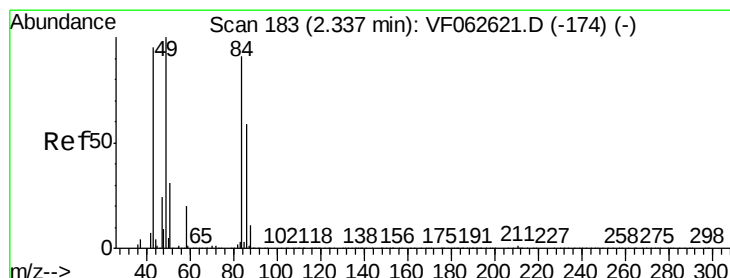
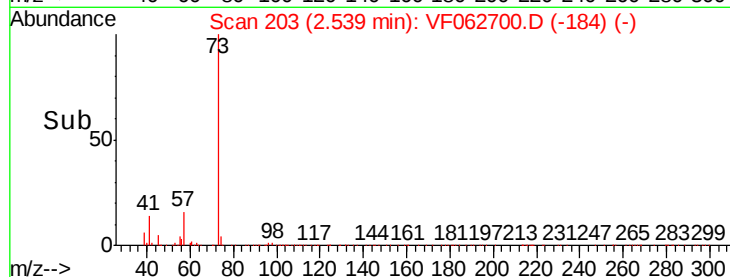
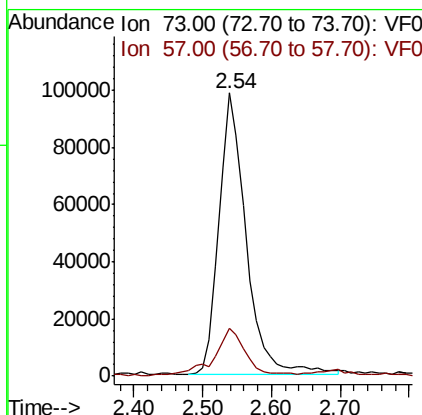
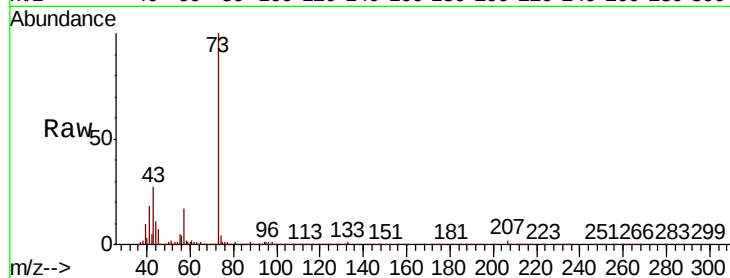


#19

Methyl tert-butyl Ether
 Concen: 20.808 ug/l
 RT: 2.54 min Scan# 203
 Delta R.T. -0.01 min
 Lab File: VF062700.D
 Acq: 22 May 2019 12:38

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0522SBS01

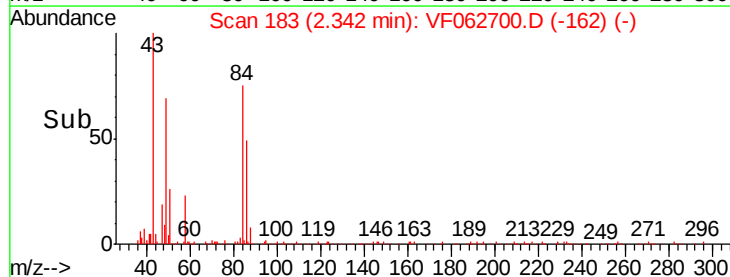
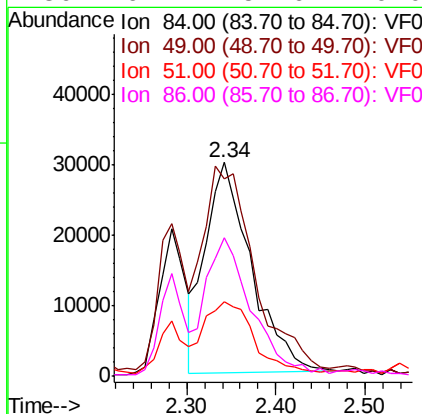
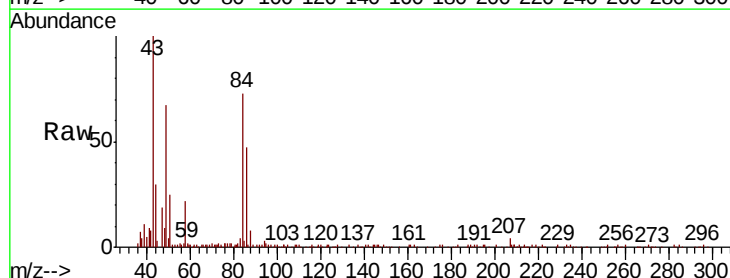
Tot Ion: 73 Resp: 268604
 Ion Ratio Lower Upper
 73 100
 57 17.0 14.2 21.4

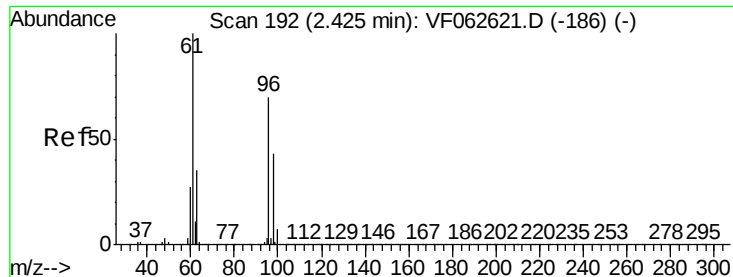


#20

Methylene Chloride
 Concen: 14.576 ug/l
 RT: 2.34 min Scan# 183
 Delta R.T. 0.00 min
 Lab File: VF062700.D
 Acq: 22 May 2019 12:38

Tgt Ion: 84 Resp: 107664
 Ion Ratio Lower Upper
 84 100
 49 92.5 89.8 134.8
 51 34.9 28.4 42.6
 86 64.7 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 19.107 ug/l

RT: 2.42 min Scan# 191

Delta R.T. -0.00 min

Lab File: VF062700.D

Acq: 22 May 2019 12:38

Instrument :

MSVOA_F

ClientSampleId :

VF0522SBS01

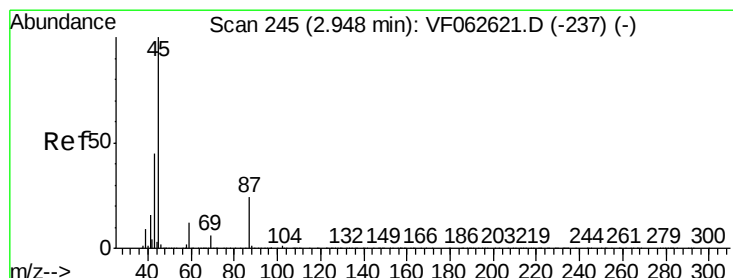
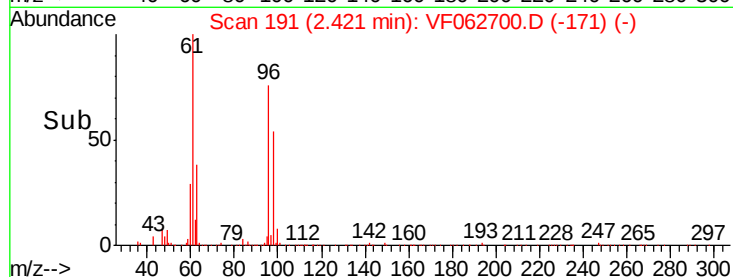
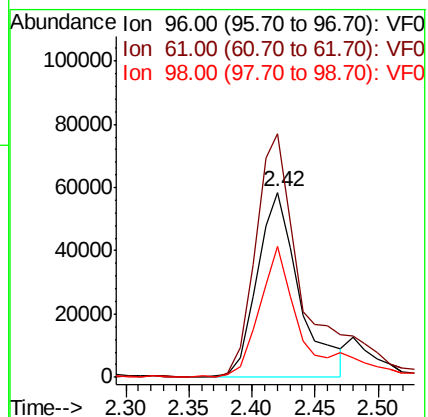
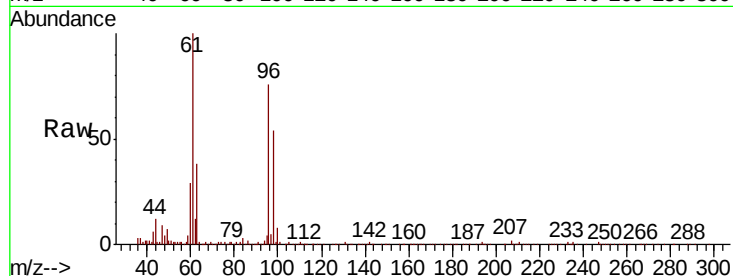
Tot Ion: 96 Resp: 134856

Ion Ratio Lower Upper

96 100

61 131.4 114.6 171.8

98 70.5 49.5 74.3



#22

Diisopropyl ether

Concen: 18.822 ug/l

RT: 2.93 min Scan# 243

Delta R.T. -0.01 min

Lab File: VF062700.D

Acq: 22 May 2019 12:38

Tgt Ion: 45 Resp: 303391

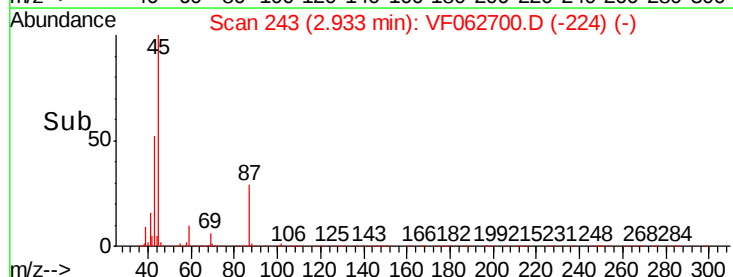
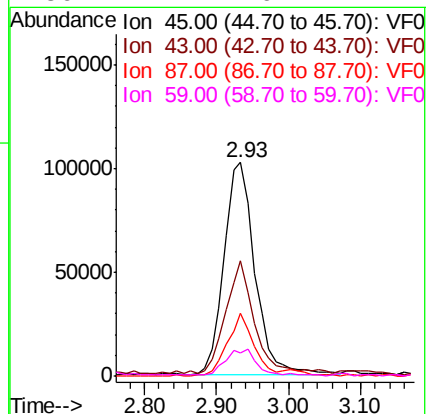
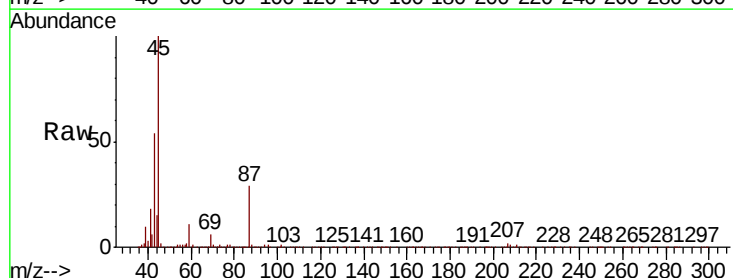
Ion Ratio Lower Upper

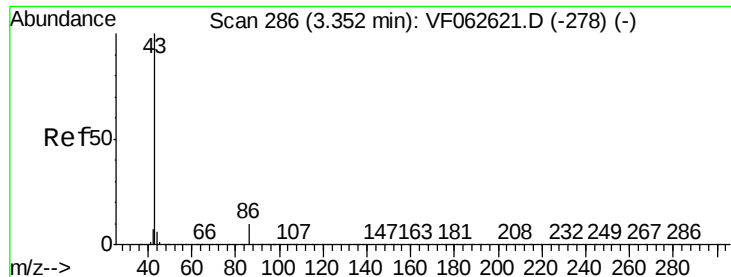
45 100

43 53.7 36.4 54.6

87 29.3 19.3 28.9#

59 11.1 9.4 14.2





#23

Vinyl Acetate

Concen: 104.248 ug/l

RT: 3.34 min Scan# 284

Delta R.T. -0.01 min

Lab File: VF062700.D

Acq: 22 May 2019 12:38

Instrument :

MSVOA_F

ClientSampleId :

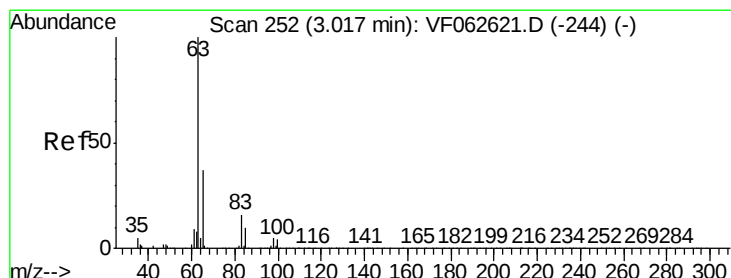
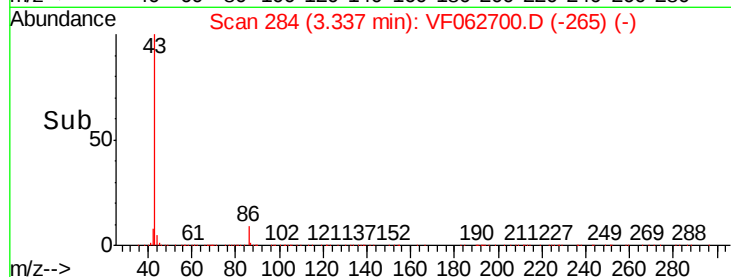
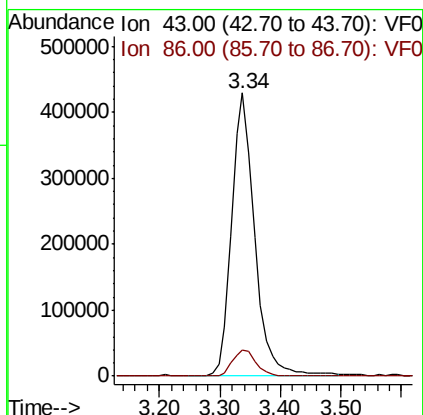
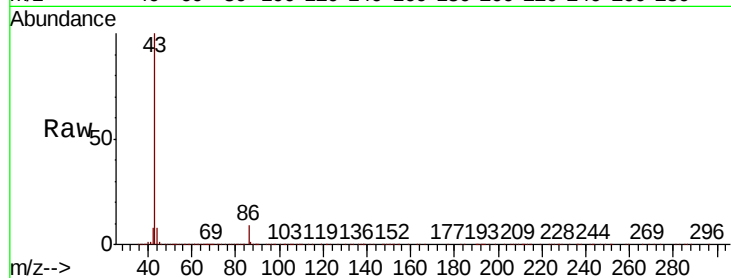
VF0522SBS01

Tot Ion: 43 Resp: 1133501

Ion Ratio Lower Upper

43 100

86 9.2 8.2 12.2



#24

1,1-Dichloroethane

Concen: 21.621 ug/l

RT: 3.00 min Scan# 250

Delta R.T. -0.01 min

Lab File: VF062700.D

Acq: 22 May 2019 12:38

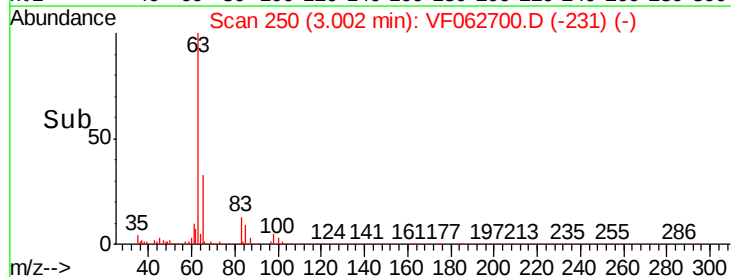
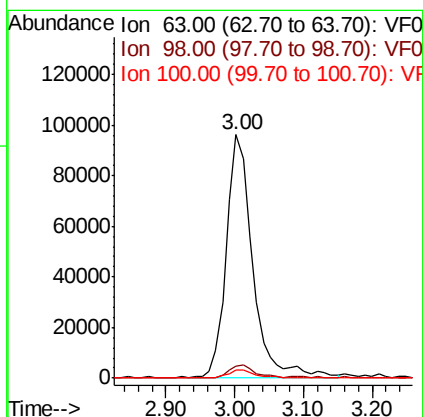
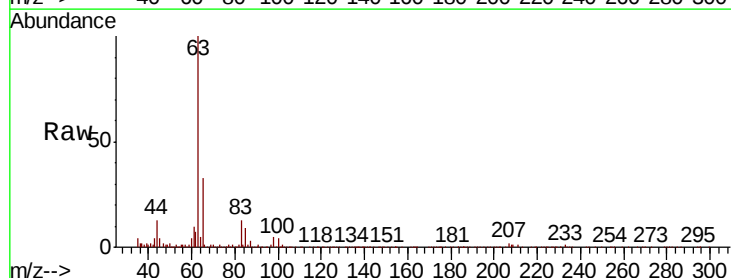
Tgt Ion: 63 Resp: 255657

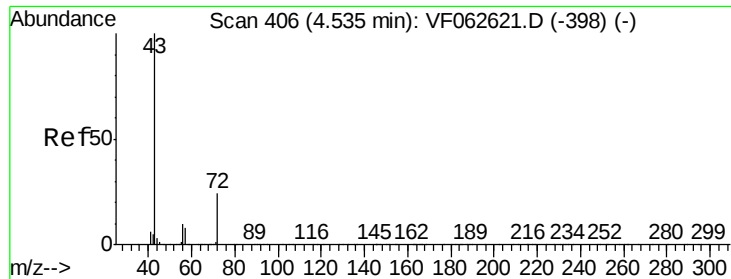
Ion Ratio Lower Upper

63 100

98 4.8 2.8 8.3

100 3.6 1.9 5.7





#25

2-Butanone

Concen: 91.196 ug/l

RT: 4.51 min Scan# 403

Delta R.T. -0.02 min

Lab File: VF062700.D

Acq: 22 May 2019 12:38

Instrument :

MSVOA_F

ClientSampleId :

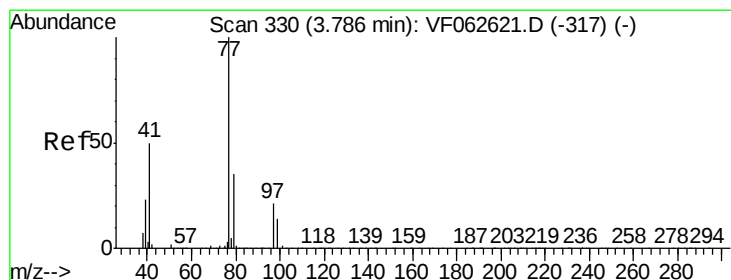
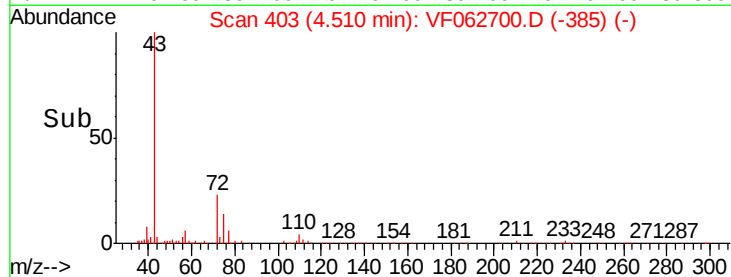
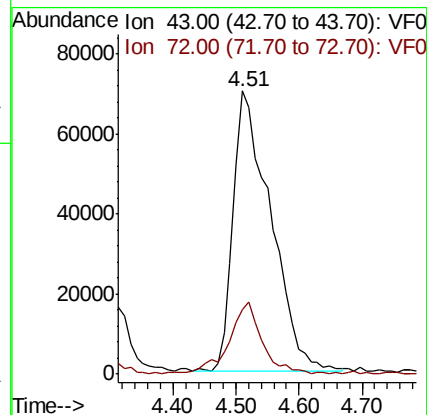
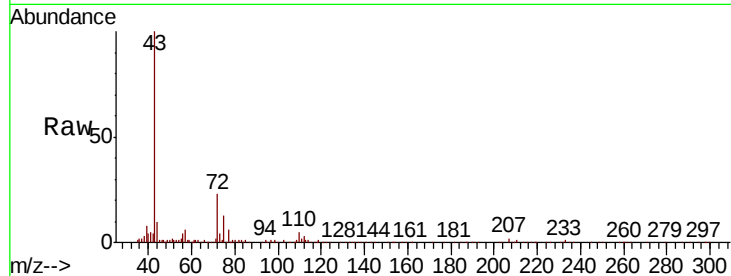
VF0522SBSD01

Tot Ion: 43 Resp: 287120

Ion Ratio Lower Upper

43 100

72 22.9 20.1 30.1



#26

2,2-Dichloropropane

Concen: 21.514 ug/l

RT: 3.77 min Scan# 328

Delta R.T. -0.01 min

Lab File: VF062700.D

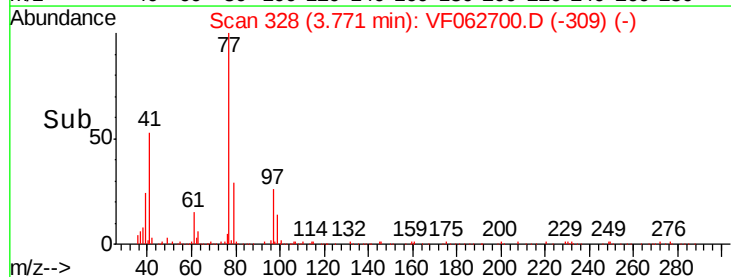
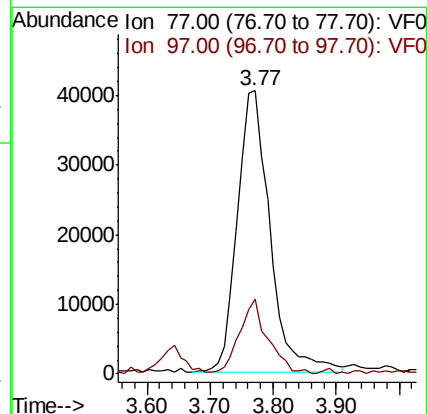
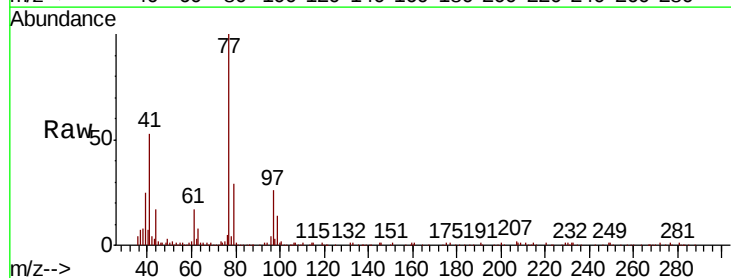
Acq: 22 May 2019 12:38

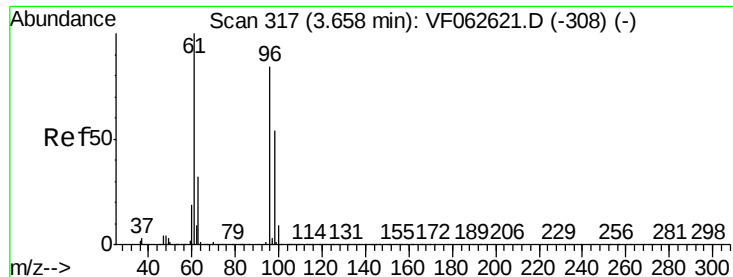
Tgt Ion: 77 Resp: 145556

Ion Ratio Lower Upper

77 100

97 26.4 14.1 42.4



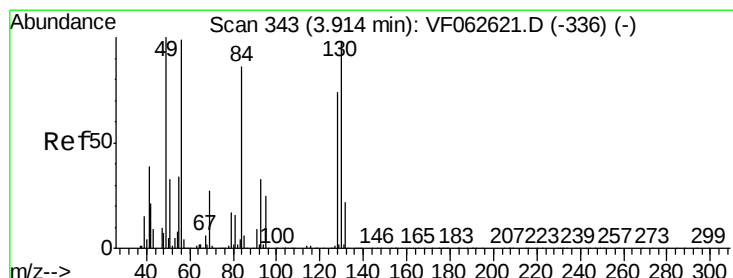
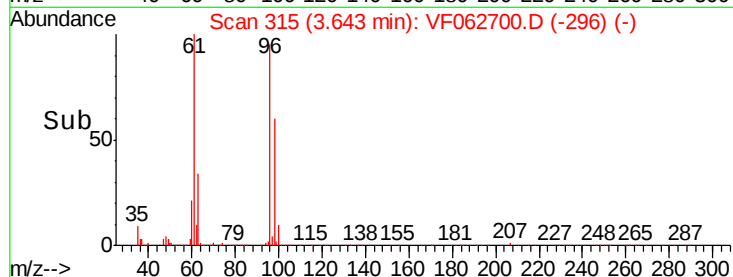
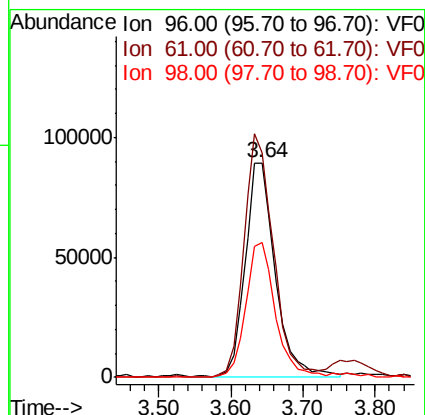
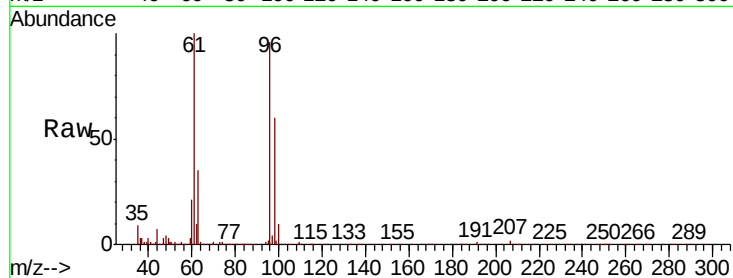


#27

cis-1,2-Dichloroethene
Concen: 22.180 ug/l
RT: 3.64 min Scan# 315
Delta R.T. -0.01 min
Lab File: VF062700.D
Acq: 22 May 2019 12:38

Instrument :
MSVOA_F
ClientSampleId :
VF0522SBS01

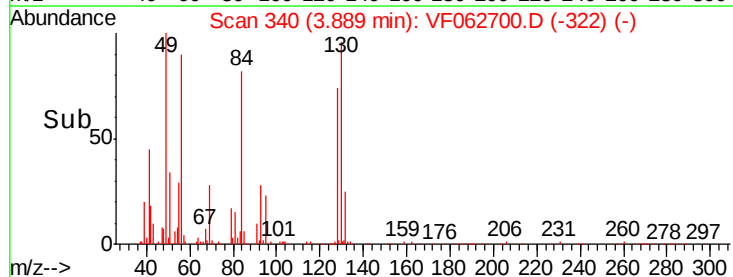
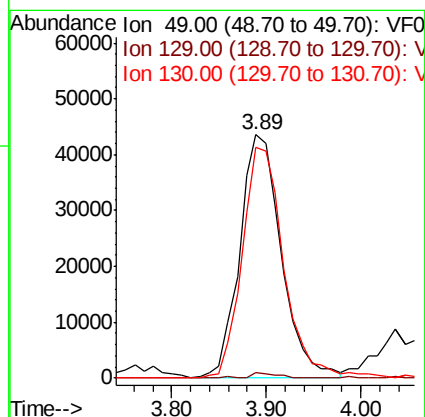
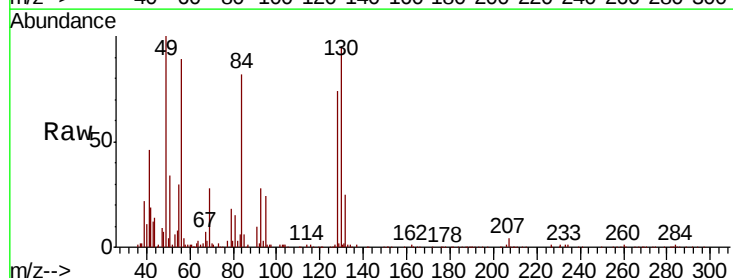
Tot Ion	Ratio	Lower	Upper
96	100		
61	104.6	0.0	237.4
98	63.1	0.0	129.0

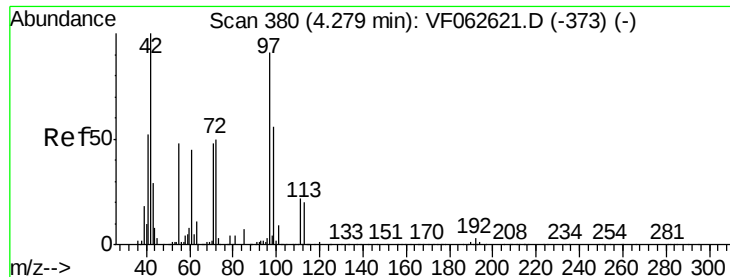


#28

Bromochloromethane
Concen: 19.879 ug/l
RT: 3.89 min Scan# 340
Delta R.T. -0.02 min
Lab File: VF062700.D
Acq: 22 May 2019 12:38

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.0
130	96.3	77.8	116.8





#29

Tetrahydrofuran

Concen: 96.624 ug/l

RT: 4.26 min Scan# 378

Delta R.T. -0.01 min

Lab File: VF062700.D

Acq: 22 May 2019 12:38

Instrument :

MSVOA_F

ClientSampleId :

VF0522SBSD01

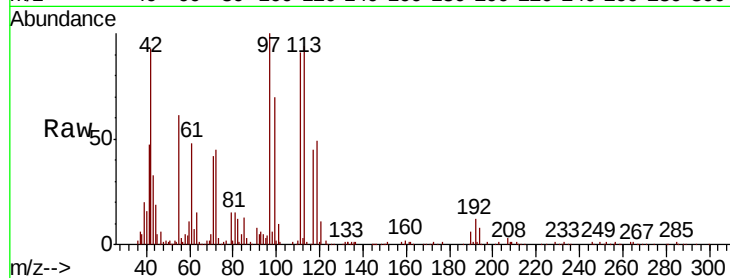
Tot Ion: 42 Resp: 123102

Ion Ratio Lower Upper

42 100

72 51.1 38.2 57.2

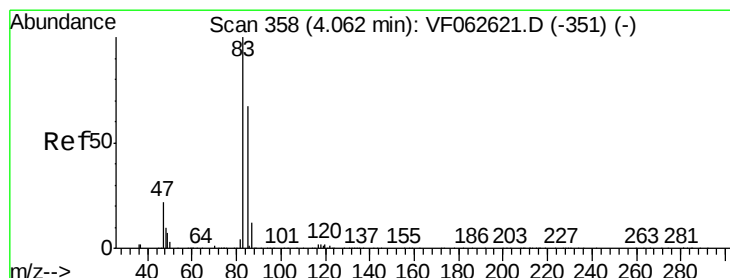
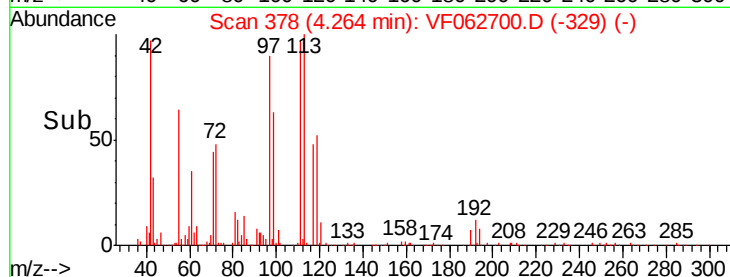
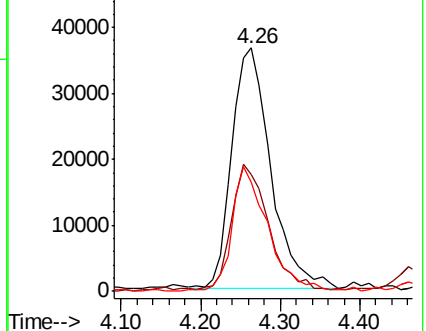
71 48.1 35.8 53.6



Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0



#30

Chloroform

Concen: 21.103 ug/l

RT: 4.05 min Scan# 356

Delta R.T. -0.01 min

Lab File: VF062700.D

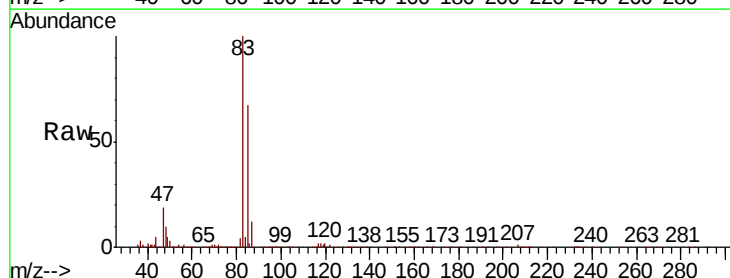
Acq: 22 May 2019 12:38

Tgt Ion: 83 Resp: 346451

Ion Ratio Lower Upper

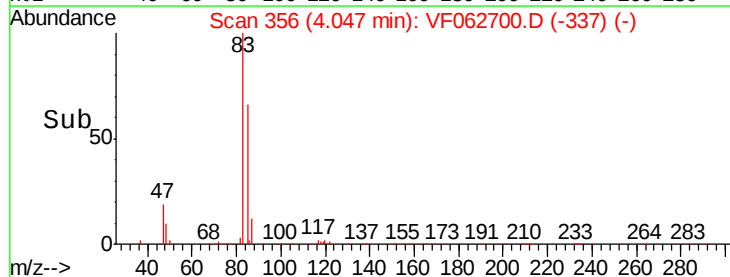
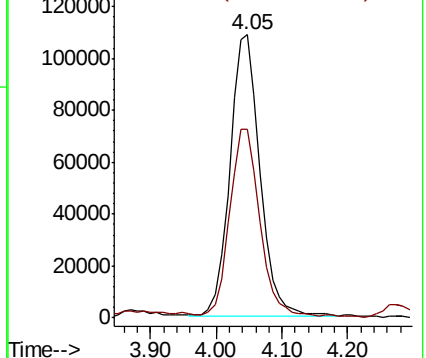
83 100

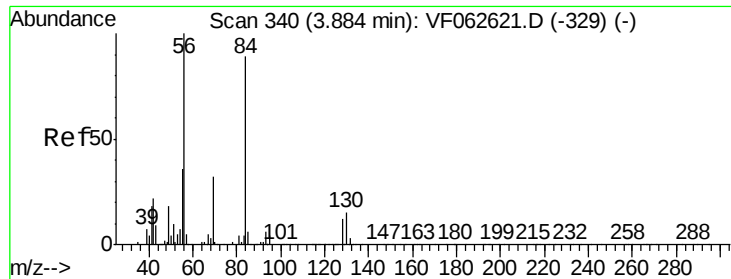
85 66.5 53.6 80.4



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

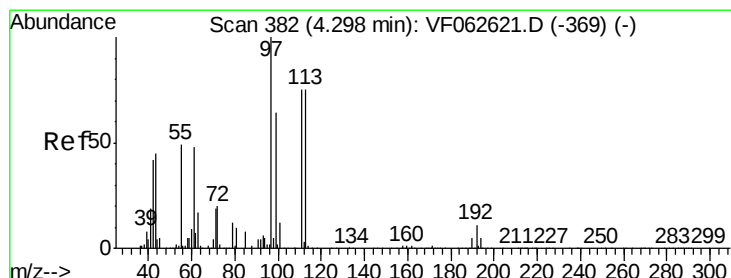
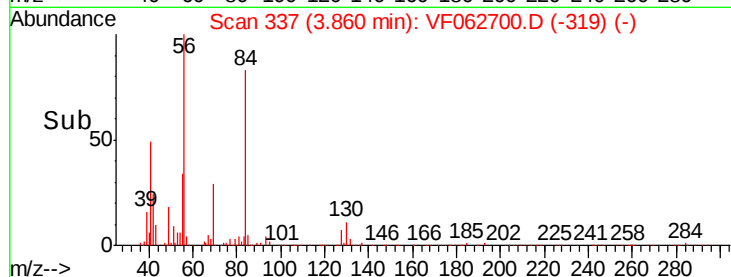
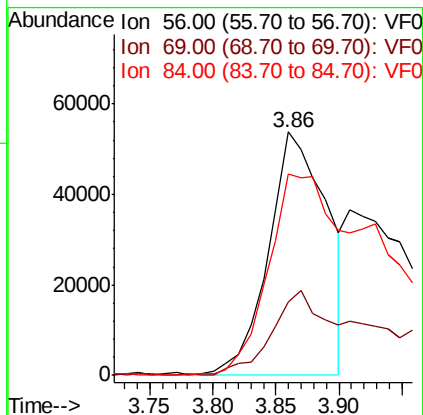
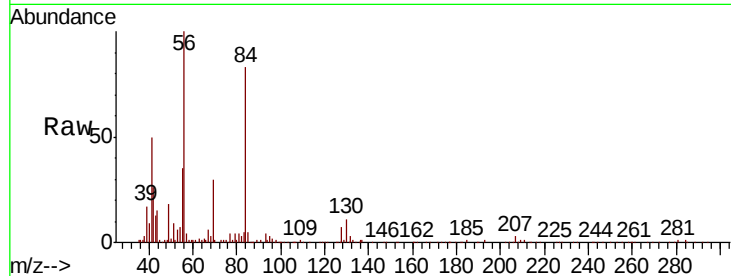




#31
Cyclohexane
Concen: 10.930 ug/l
RT: 3.86 min Scan# 337
Delta R.T. -0.02 min
Lab File: VF062700.D
Acq: 22 May 2019 12:38

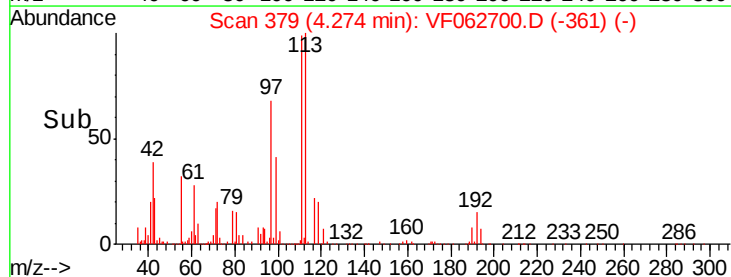
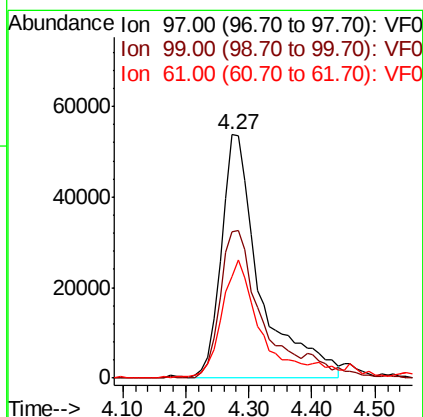
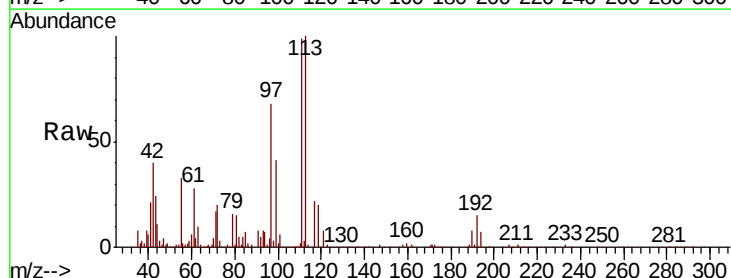
Instrument :
MSVOA_F
ClientSampleId :
VF0522SBS01

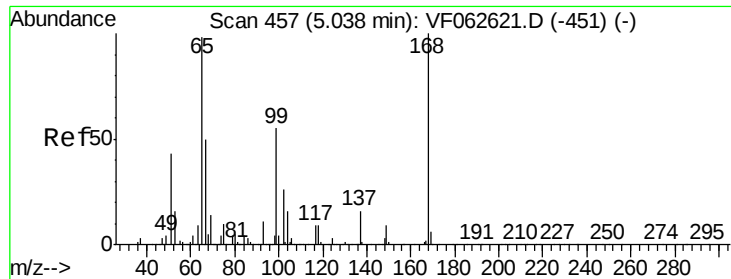
Tot Ion: 56 Resp: 173535
Ion Ratio Lower Upper
56 100
69 30.0 25.3 37.9
84 82.7 71.0 106.4



#32
1,1,1-Trichloroethane
Concen: 20.858 ug/l
RT: 4.27 min Scan# 379
Delta R.T. -0.02 min
Lab File: VF062700.D
Acq: 22 May 2019 12:38

Tgt Ion: 97 Resp: 227412
Ion Ratio Lower Upper
97 100
99 59.9 51.3 76.9
61 41.7 38.2 57.2

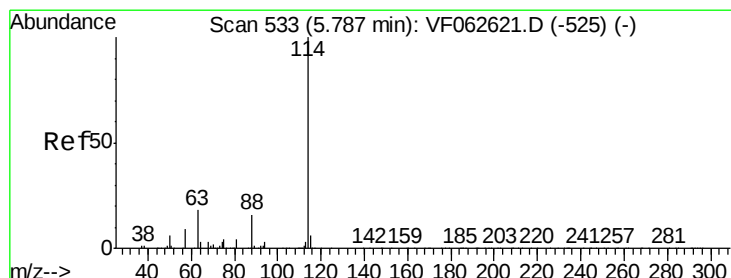
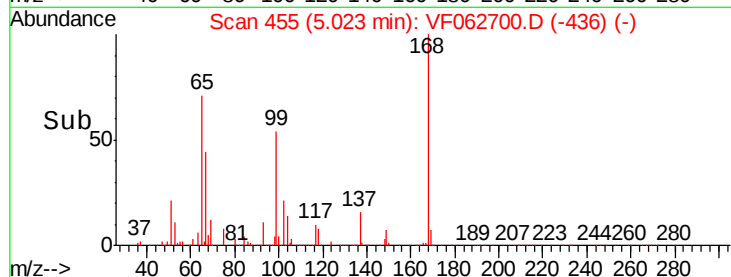
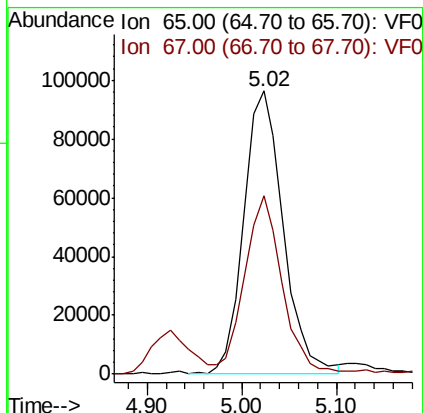
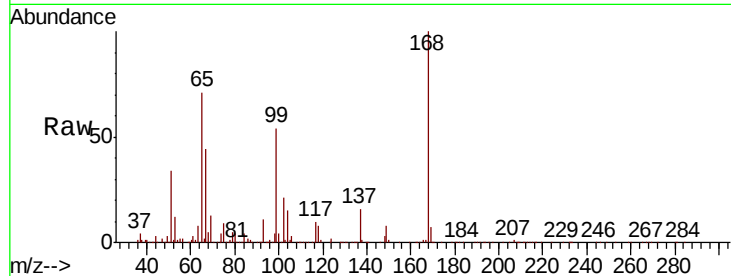




#33
 1,2-Dichloroethane-d4
 Concen: 48.986 ug/l
 RT: 5.02 min Scan# 455
 Delta R.T. -0.01 min
 Lab File: VF062700.D
 Acq: 22 May 2019 12:38

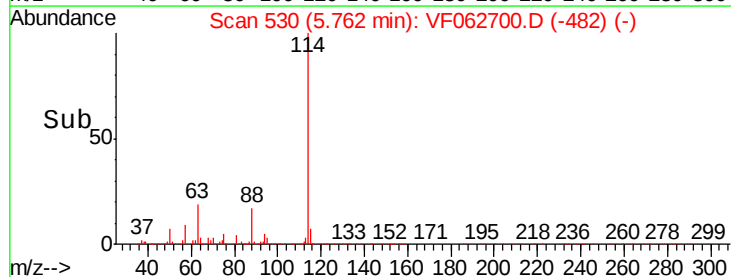
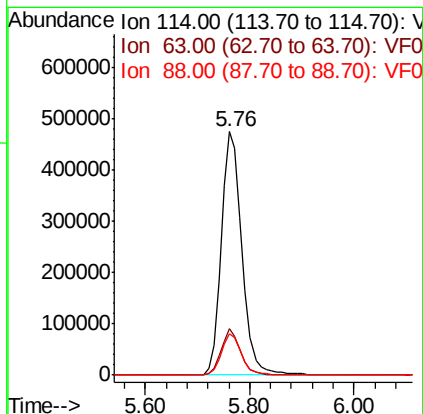
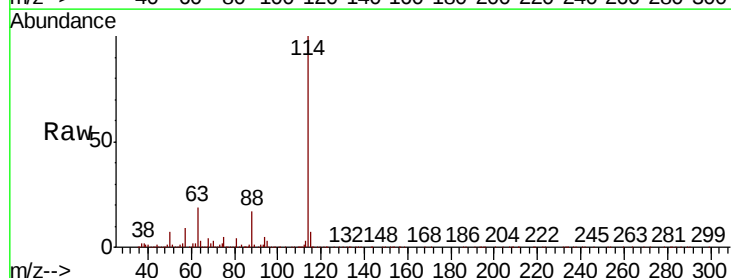
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0522SBS01

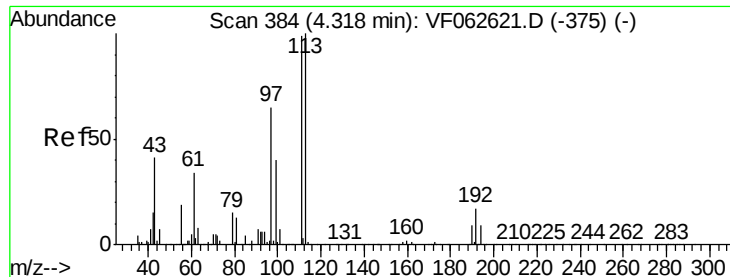
Tot Ion: 65 Resp: 278250
 Ion Ratio Lower Upper
 65 100
 67 62.8 0.0 117.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.76 min Scan# 530
 Delta R.T. -0.02 min
 Lab File: VF062700.D
 Acq: 22 May 2019 12:38

Tgt Ion: 114 Resp: 1298676
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 35.4
 88 17.0 0.0 32.4

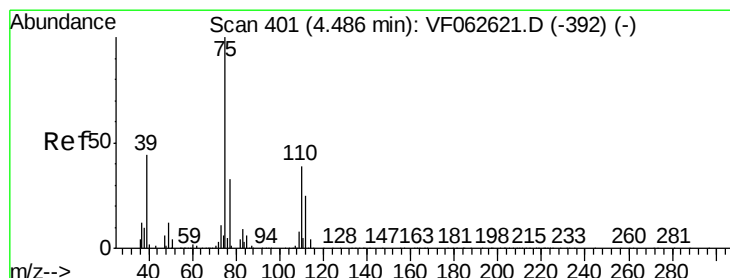
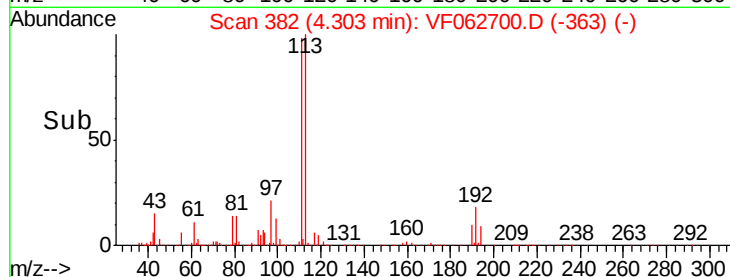
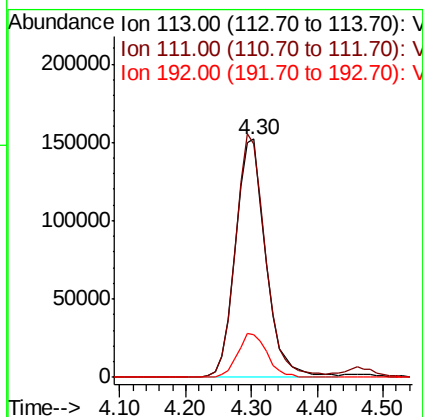
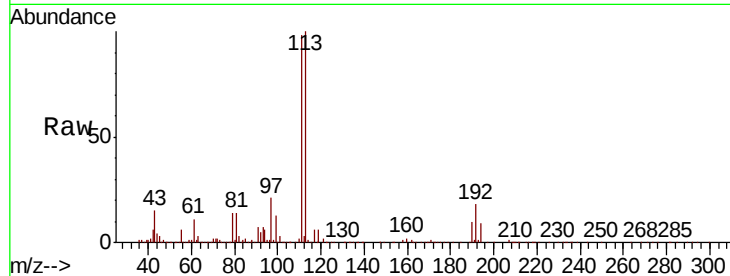




#35
 Dibromofluoromethane
 Concen: 49.590 ug/l
 RT: 4.30 min Scan# 382
 Delta R.T. -0.01 min
 Lab File: VF062700.D
 Acq: 22 May 2019 12:38

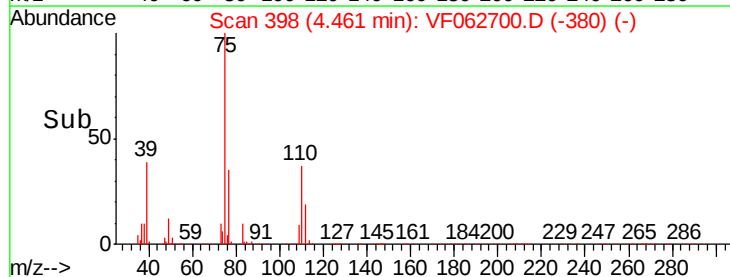
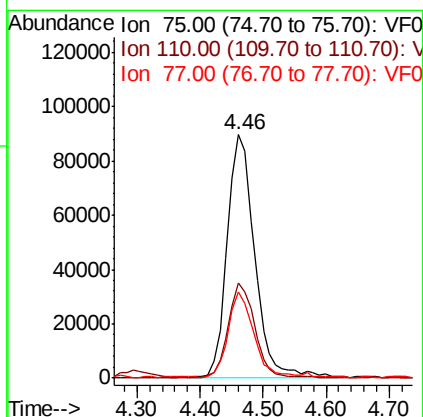
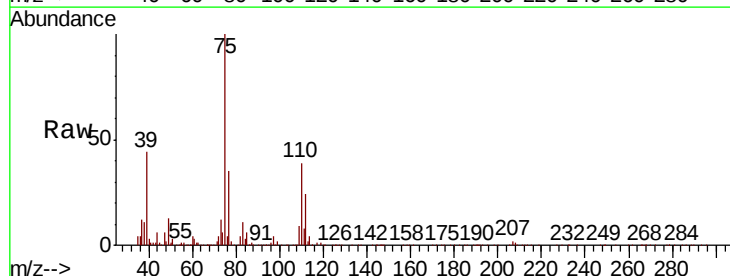
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0522SBS01

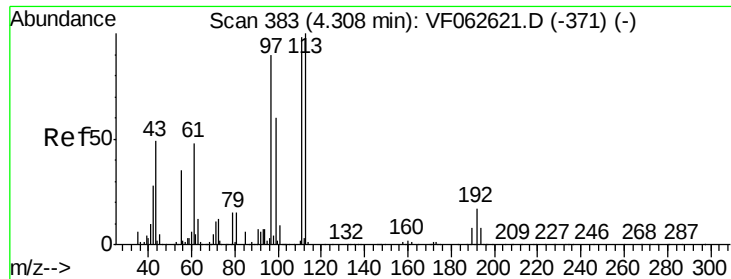
Tot Ion	Ratio	Lower	Upper
113	100		
111	98.2	79.4	119.2
192	17.9	13.4	20.2



#36
 1,1-Dichloropropene
 Concen: 20.463 ug/l
 RT: 4.46 min Scan# 398
 Delta R.T. -0.02 min
 Lab File: VF062700.D
 Acq: 22 May 2019 12:38

Tgt Ion	Ratio	Lower	Upper
75	100		
110	39.2	19.7	59.1
77	35.2	26.3	39.5





#37

Ethyl Acetate

Concen: 18.820 ug/l

RT: 4.28 min Scan# 380

Delta R.T. -0.02 min

Lab File: VF062700.D

Acq: 22 May 2019 12:38

Instrument :

MSVOA_F

ClientSampleId :

VF0522SBS01

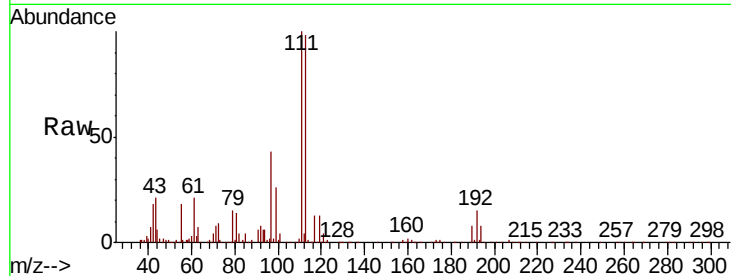
Tot Ion: 43 Resp: 102259

Ion Ratio Lower Upper

43 100

61 98.4 76.9 115.3

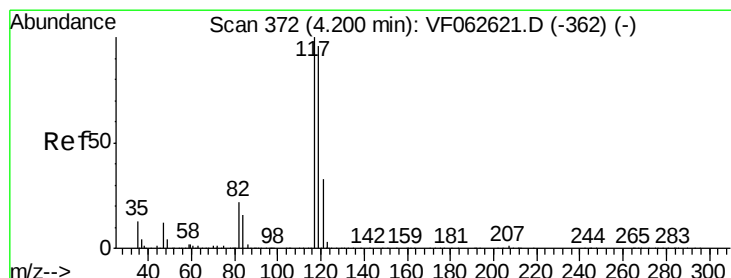
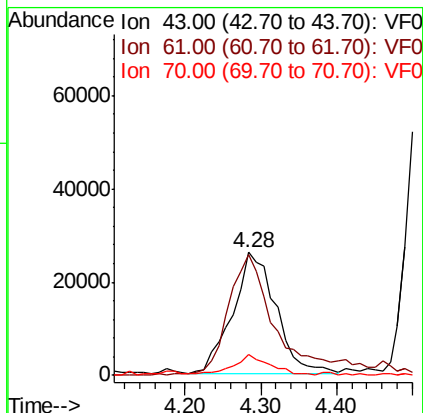
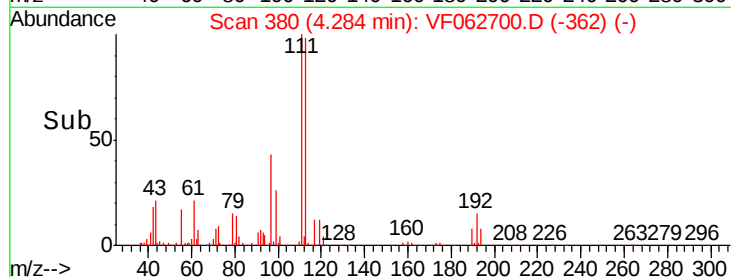
70 17.0 8.8 13.2#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0



#38

Carbon Tetrachloride

Concen: 19.530 ug/l

RT: 4.18 min Scan# 369

Delta R.T. -0.02 min

Lab File: VF062700.D

Acq: 22 May 2019 12:38

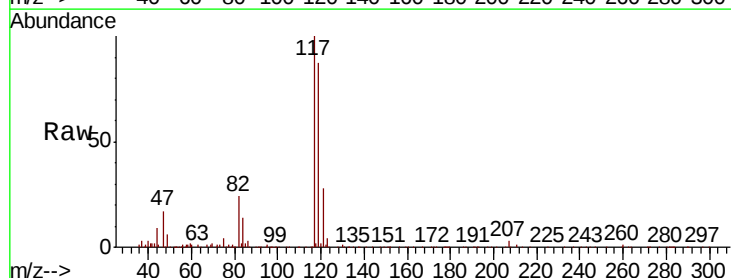
Tgt Ion: 117 Resp: 195461

Ion Ratio Lower Upper

117 100

119 87.5 76.7 115.1

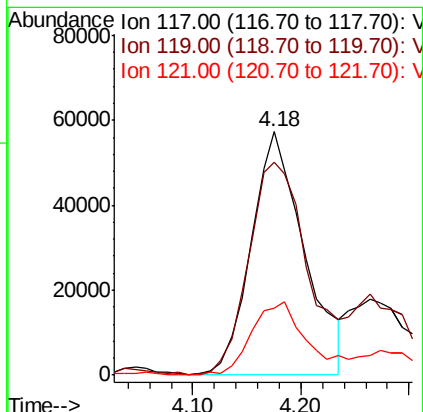
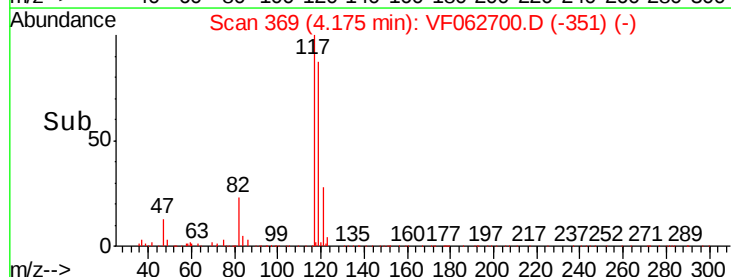
121 27.6 26.6 40.0

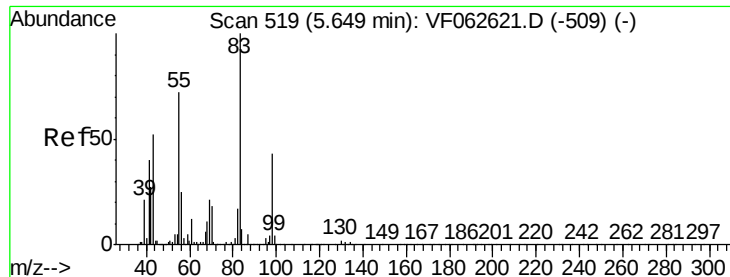


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V

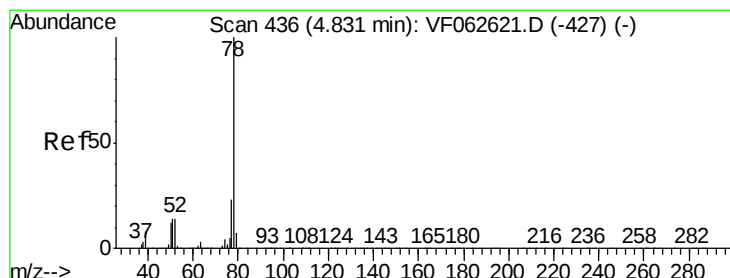
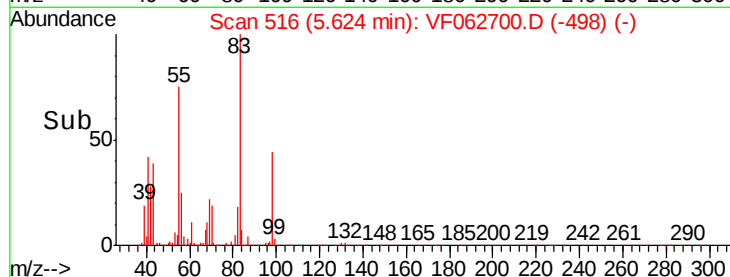
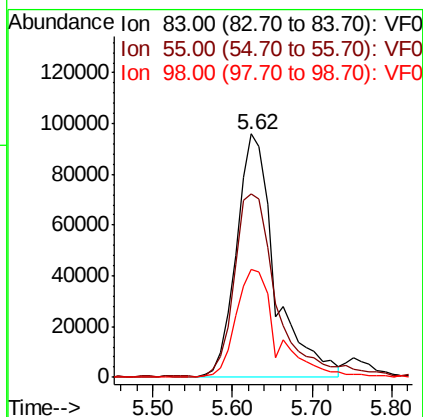
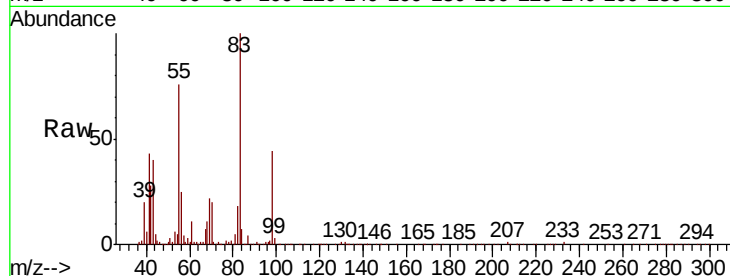




#39
Methylcyclohexane
Concen: 20.088 ug/l
RT: 5.62 min Scan# 516
Delta R.T. -0.02 min
Lab File: VF062700.D
Acq: 22 May 2019 12:38

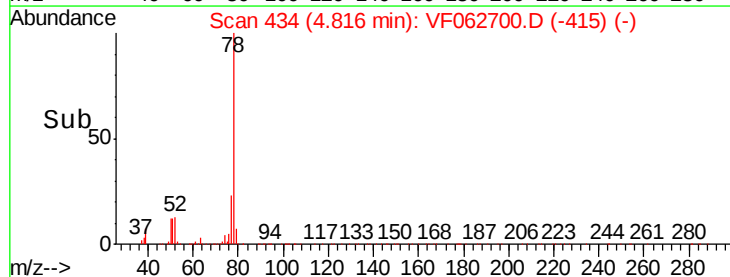
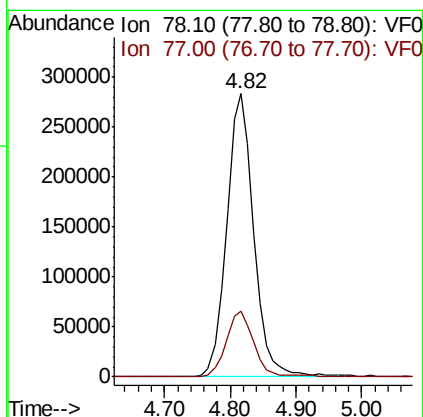
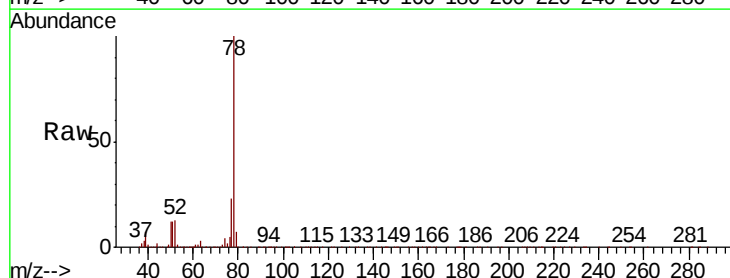
Instrument :
MSVOA_F
ClientSampleId :
VF0522SBS01

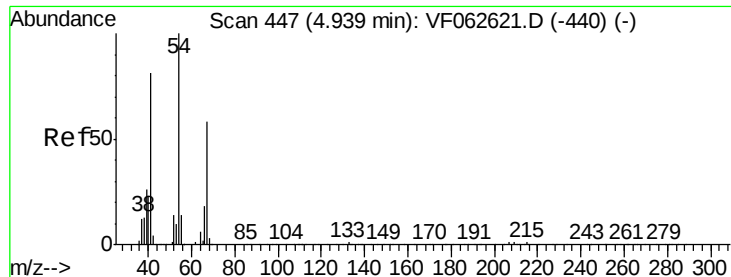
Tot Ion: 83 Resp: 321653
Ion Ratio Lower Upper
83 100
55 75.5 57.9 86.9
98 44.4 34.6 52.0



#40
Benzene
Concen: 22.376 ug/l
RT: 4.82 min Scan# 434
Delta R.T. -0.01 min
Lab File: VF062700.D
Acq: 22 May 2019 12:38

Tgt Ion: 78 Resp: 811208
Ion Ratio Lower Upper
78 100
77 23.0 18.2 27.2





#41

Methacrylonitrile

Concen: 19.543 ug/l

RT: 4.92 min Scan# 445

Delta R.T. -0.01 min

Lab File: VF062700.D

Acq: 22 May 2019 12:38

Instrument :

MSVOA_F

ClientSampleId :

VF0522SBS01

Tot Ion: 41 Resp: 55671

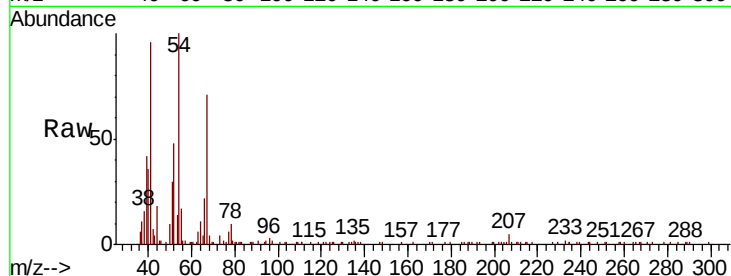
Ion Ratio Lower Upper

41 100

39 44.3 42.2 63.2

67 73.7 56.4 84.6

52 50.5 38.8 58.2

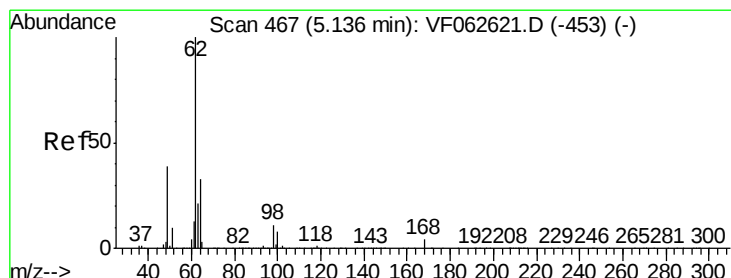
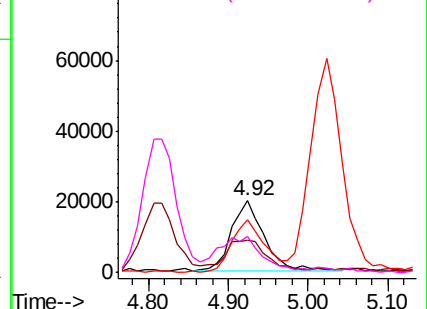
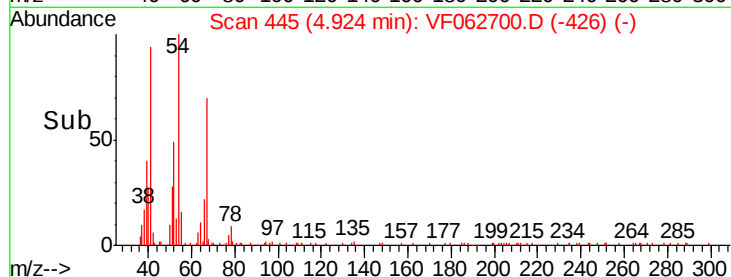


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#42

1,2-Dichloroethane

Concen: 21.647 ug/l

RT: 5.12 min Scan# 465

Delta R.T. -0.01 min

Lab File: VF062700.D

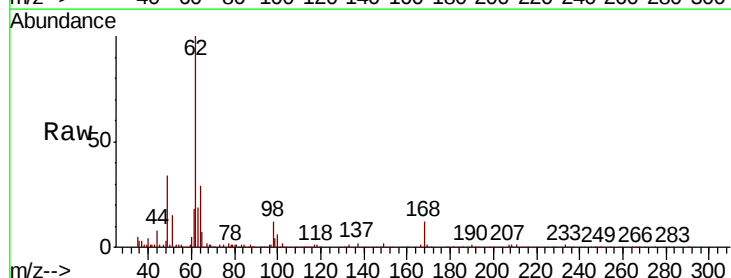
Acq: 22 May 2019 12:38

Tgt Ion: 62 Resp: 156497

Ion Ratio Lower Upper

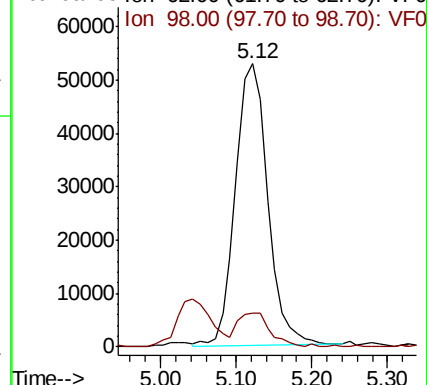
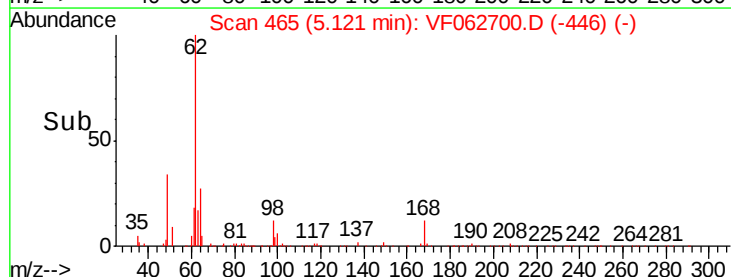
62 100

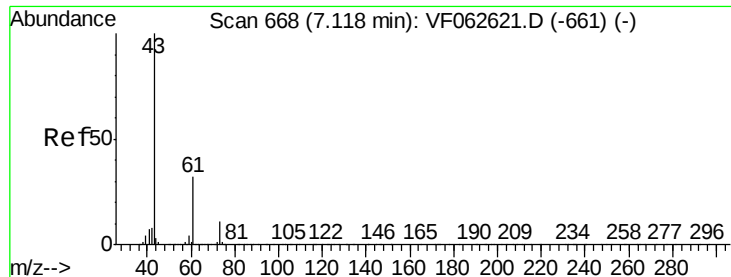
98 11.8 0.0 21.6



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#43

Isopropyl Acetate

Concen: 17.376 ug/l

RT: 7.10 min Scan# 666

Delta R.T. -0.01 min

Lab File: VF062700.D

Acq: 22 May 2019 12:38

Instrument :

MSVOA_F

ClientSampleId :

VF0522SBS01

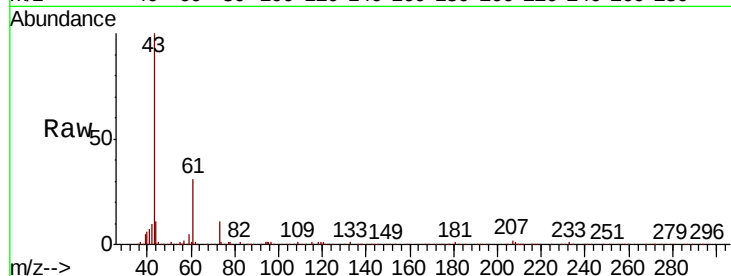
Tot Ion: 43 Resp: 122312

Ion Ratio Lower Upper

43 100

61 30.5 25.8 38.8

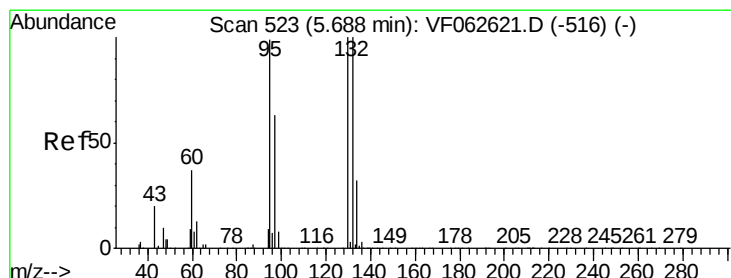
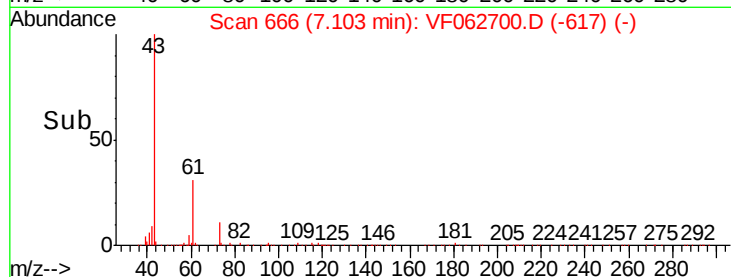
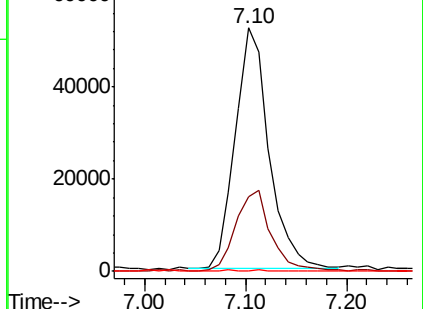
87 0.4 0.4 0.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0



#44

Trichloroethene

Concen: 20.244 ug/l

RT: 5.67 min Scan# 521

Delta R.T. -0.01 min

Lab File: VF062700.D

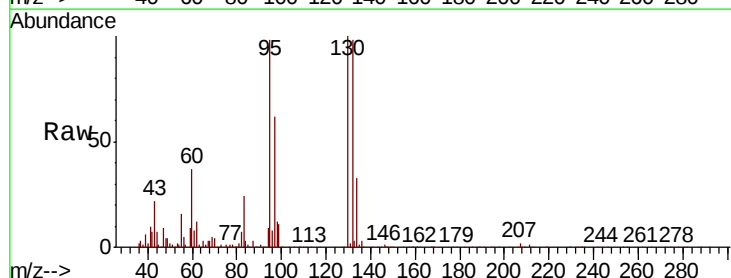
Acq: 22 May 2019 12:38

Tgt Ion:130 Resp: 206263

Ion Ratio Lower Upper

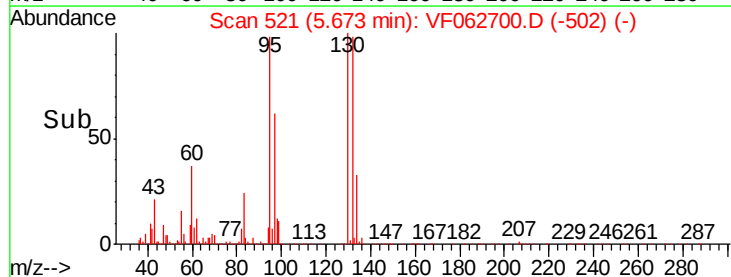
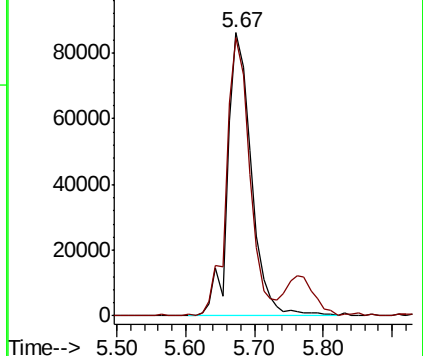
130 100

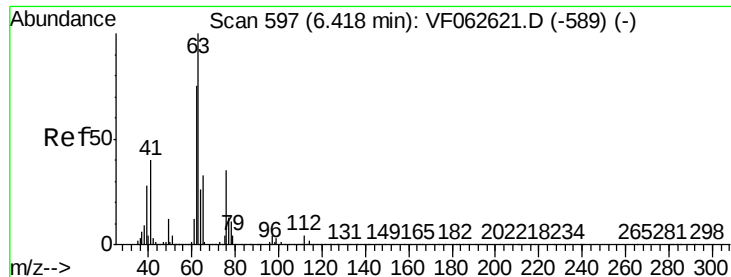
95 98.3 0.0 199.4



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 21.201 ug/l

RT: 6.39 min Scan# 594

Delta R.T. -0.02 min

Lab File: VF062700.D

Acq: 22 May 2019 12:38

Instrument :

MSVOA_F

ClientSampleId :

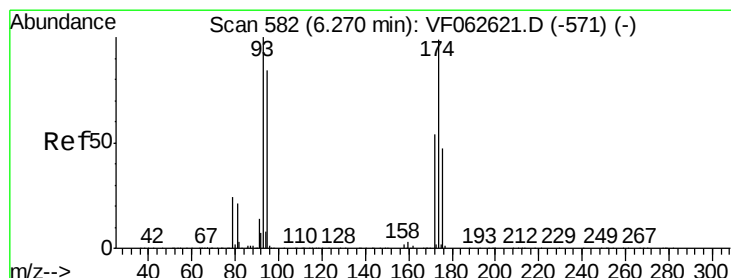
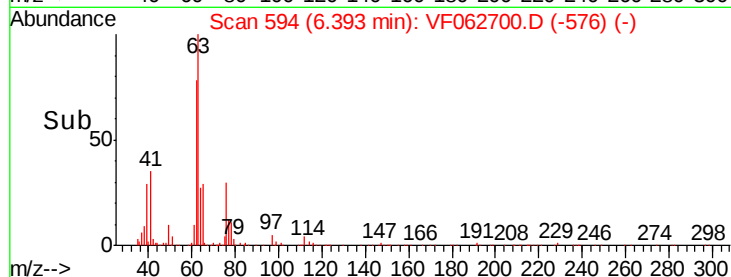
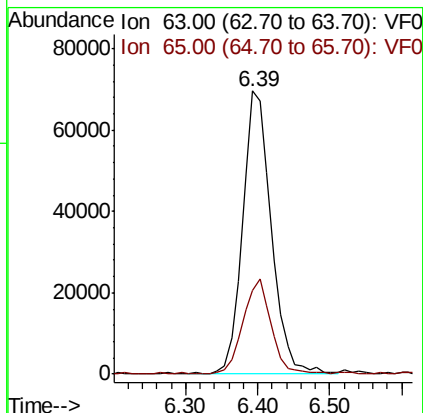
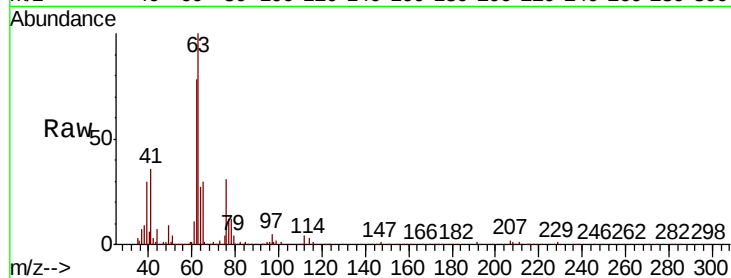
VF0522SBSD01

Tot Ion: 63 Resp: 194021

Ion Ratio Lower Upper

63 100

65 29.7 26.3 39.5



#46

Dibromomethane

Concen: 22.103 ug/l

RT: 6.26 min Scan# 580

Delta R.T. -0.01 min

Lab File: VF062700.D

Acq: 22 May 2019 12:38

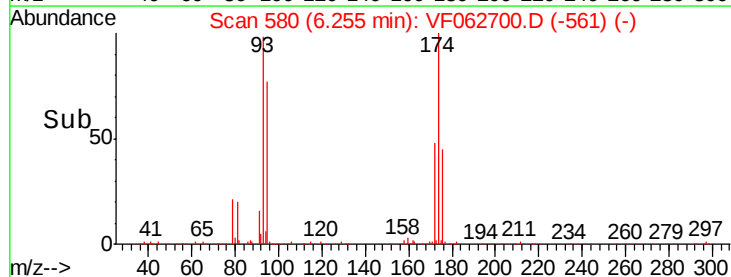
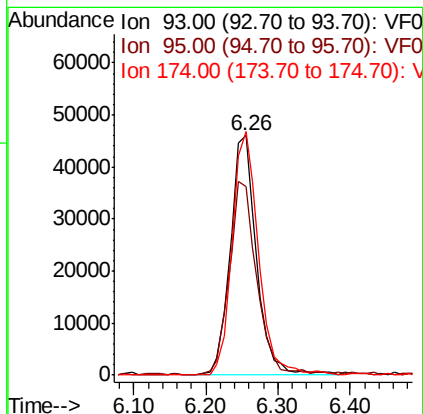
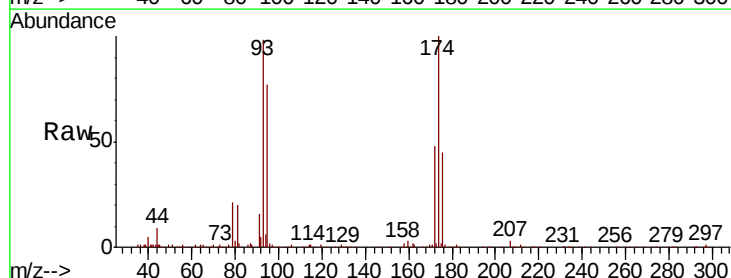
Tgt Ion: 93 Resp: 116899

Ion Ratio Lower Upper

93 100

95 78.8 67.4 101.2

174 101.8 79.4 119.2





#47

Bromodichloromethane

Concen: 21.408 ug/l

RT: 6.54 min Scan# 609

Delta R.T. -0.02 min

Lab File: VF062700.D

Acq: 22 May 2019 12:38

Instrument :

MSVOA_F

ClientSampleId :

VF0522SBS01

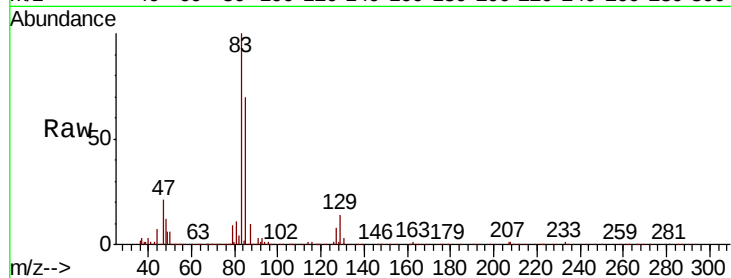
Tot Ion: 83 Resp: 235056

Ion Ratio Lower Upper

83 100

85 70.2 52.0 78.0

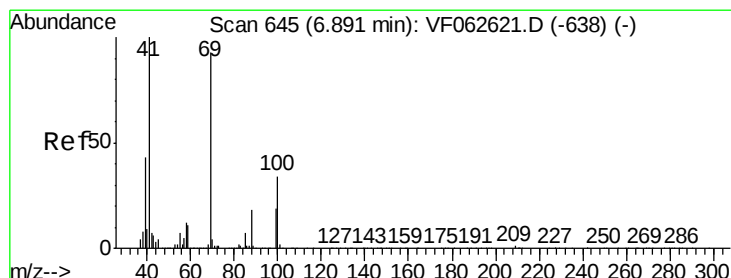
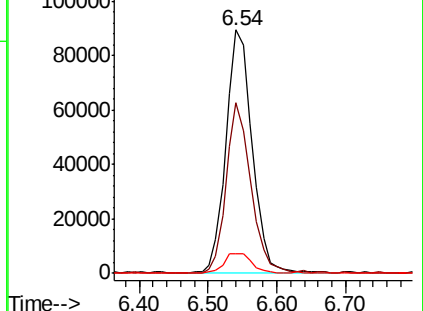
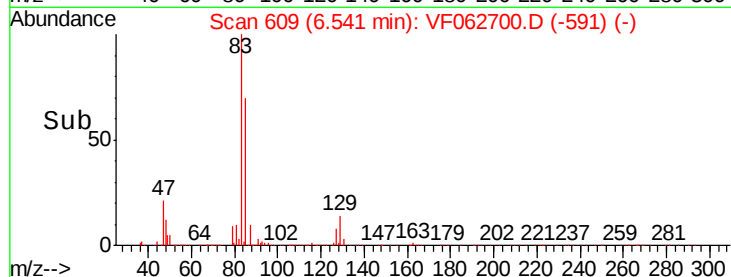
127 8.0 7.7 11.5



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: 17.539 ug/l

RT: 6.87 min Scan# 642

Delta R.T. -0.02 min

Lab File: VF062700.D

Acq: 22 May 2019 12:38

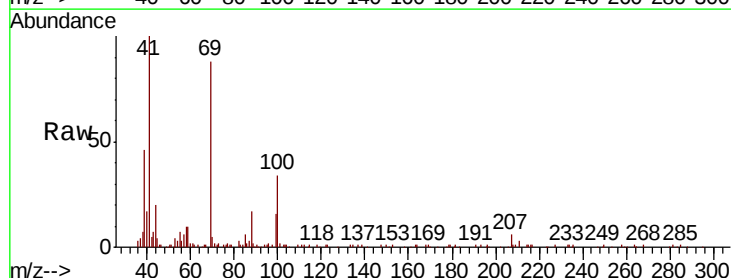
Tgt Ion: 41 Resp: 64531

Ion Ratio Lower Upper

41 100

69 88.3 74.2 111.2

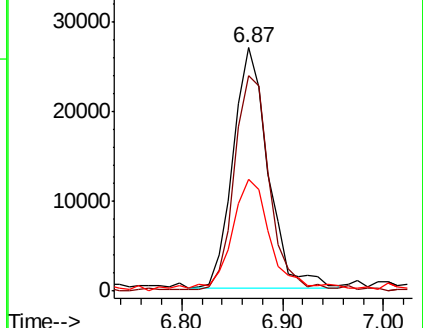
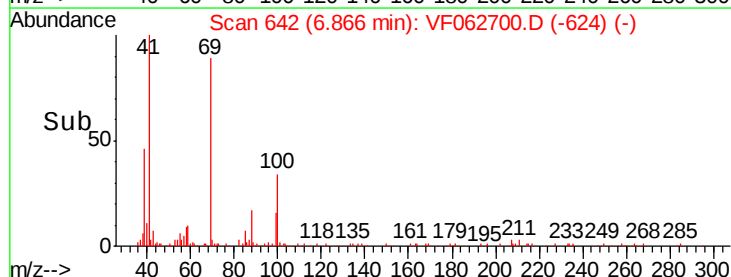
39 45.7 34.2 51.4

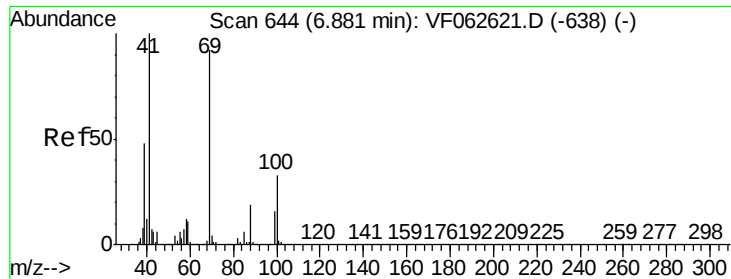


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

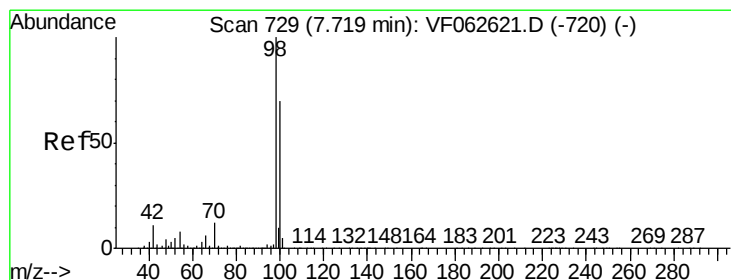
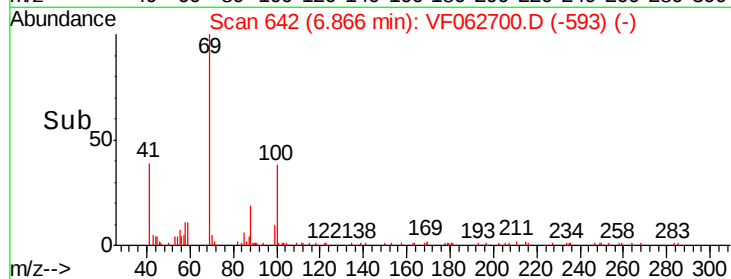
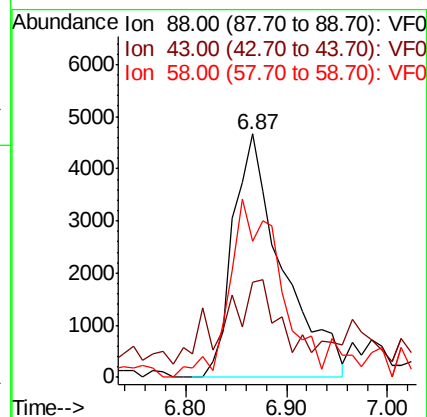
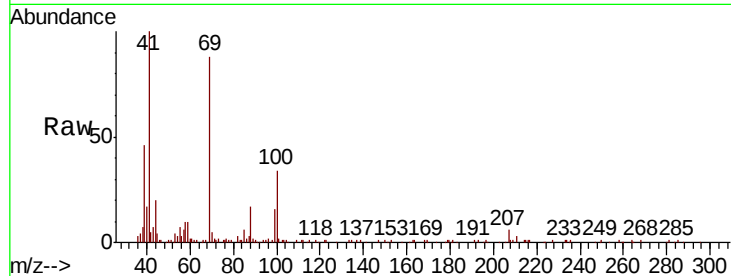




#49
1,4-Dioxane
Concen: 335.604 ug/l
RT: 6.87 min Scan# 642
Delta R.T. -0.01 min
Lab File: VF062700.D
Acq: 22 May 2019 12:38

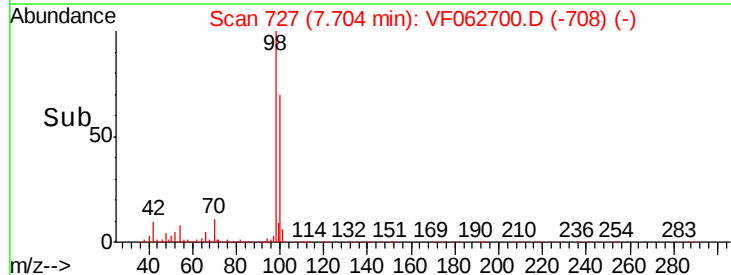
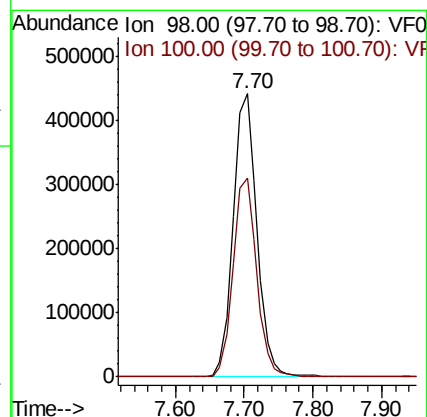
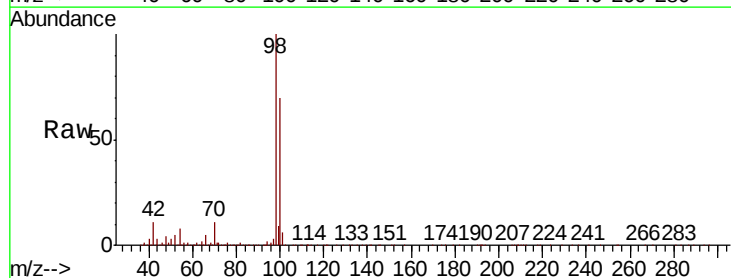
Instrument :
MSVOA_F
ClientSampleId :
VF0522SBS01

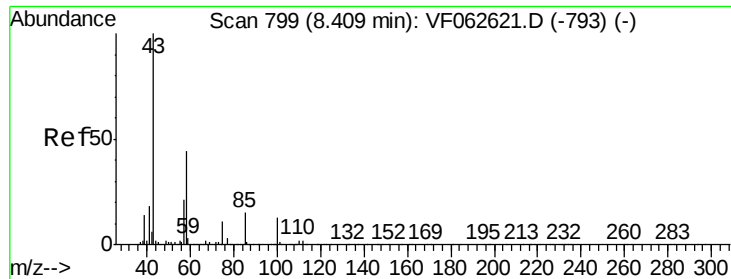
Tot Ion: 88 Resp: 15815
Ion Ratio Lower Upper
88 100
43 39.2 30.0 45.0
58 56.1 51.1 76.7



#50
Toluene-d8
Concen: 44.441 ug/l
RT: 7.70 min Scan# 727
Delta R.T. -0.01 min
Lab File: VF062700.D
Acq: 22 May 2019 12:38

Tgt Ion: 98 Resp: 1054442
Ion Ratio Lower Upper
98 100
100 70.5 56.2 84.2





#51

4-Methyl-2-Pentanone

Concen: 97.117 ug/l

RT: 8.39 min Scan# 797

Delta R.T. -0.01 min

Lab File: VF062700.D

Acq: 22 May 2019 12:38

Instrument :

MSVOA_F

ClientSampleId :

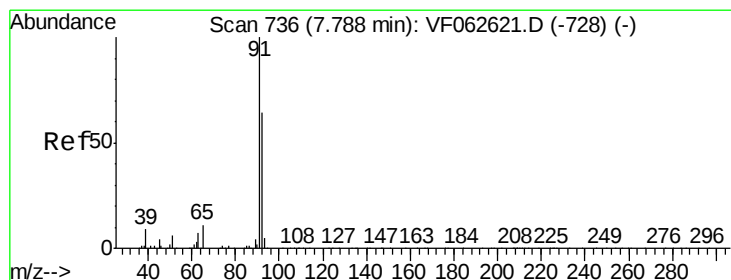
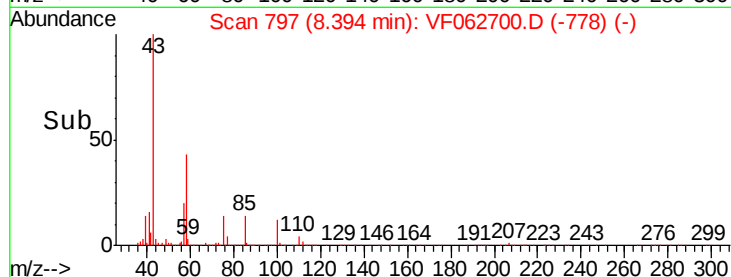
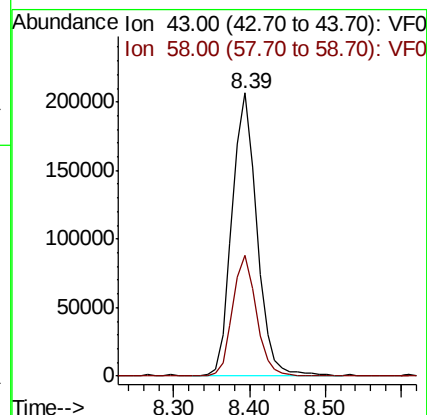
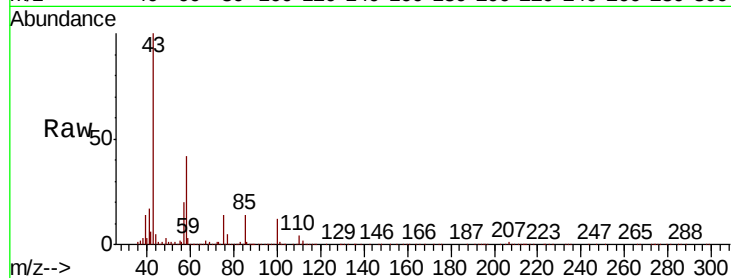
VF0522SBS01

Tot Ion: 43 Resp: 467287

Ion Ratio Lower Upper

43 100

58 42.5 34.9 52.3



#52

Toluene

Concen: 20.971 ug/l

RT: 7.77 min Scan# 734

Delta R.T. -0.01 min

Lab File: VF062700.D

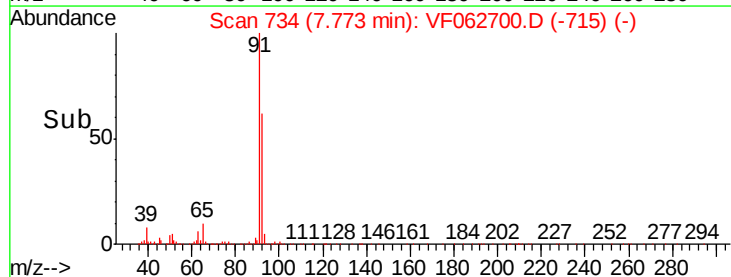
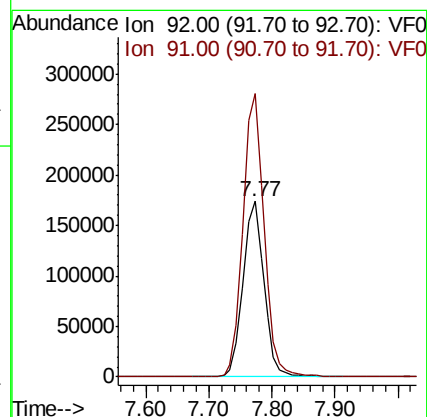
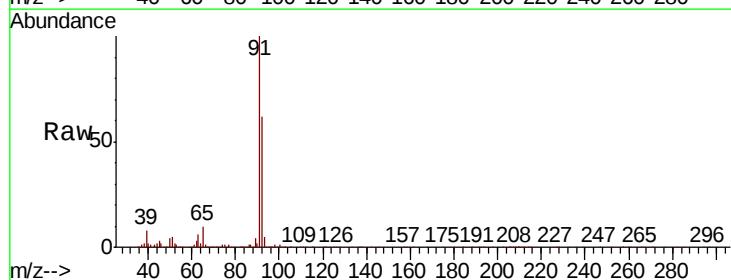
Acq: 22 May 2019 12:38

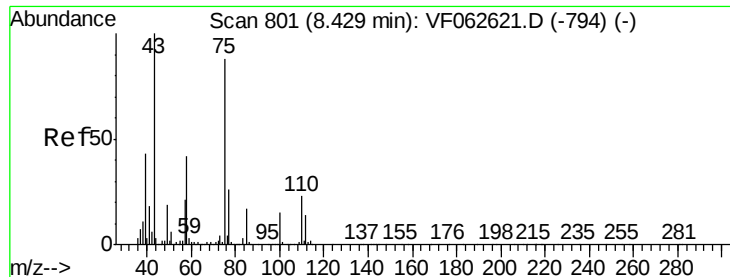
Tgt Ion: 92 Resp: 398709

Ion Ratio Lower Upper

92 100

91 161.5 125.4 188.0





#53

t-1,3-Dichloropropene

Concen: 20.617 ug/l

RT: 8.41 min Scan# 799

Delta R.T. -0.01 min

Lab File: VF062700.D

Acq: 22 May 2019 12:38

Instrument :

MSVOA_F

ClientSampleId :

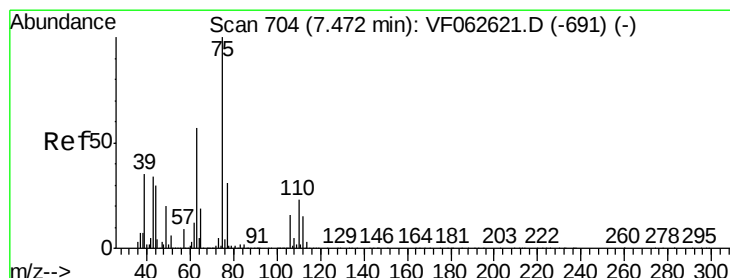
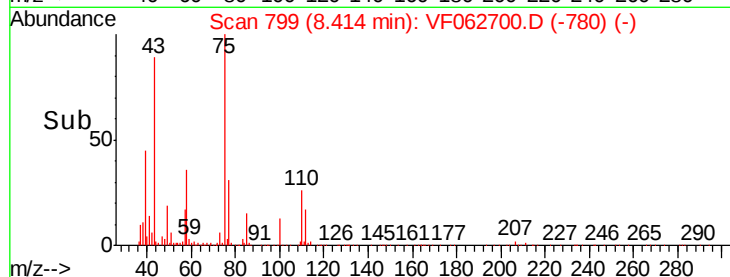
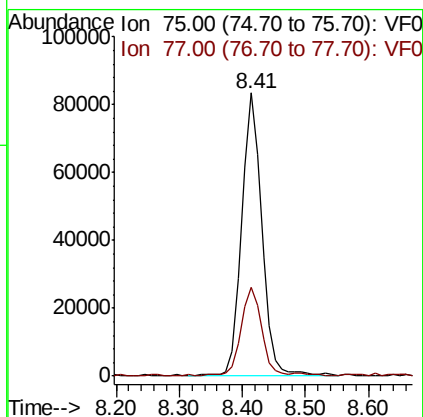
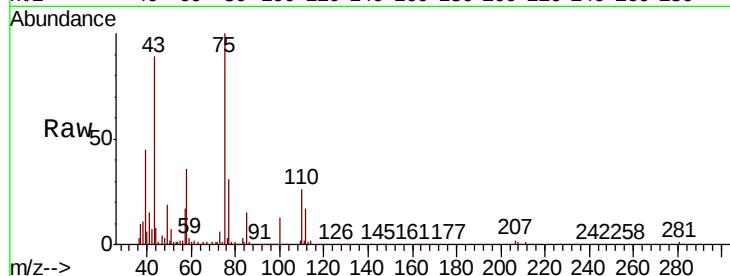
VF0522SBSD01

Tot Ion: 75 Resp: 185197

Ion Ratio Lower Upper

75 100

77 31.3 24.2 36.4



#54

cis-1,3-Dichloropropene

Concen: 20.907 ug/l

RT: 7.45 min Scan# 701

Delta R.T. -0.02 min

Lab File: VF062700.D

Acq: 22 May 2019 12:38

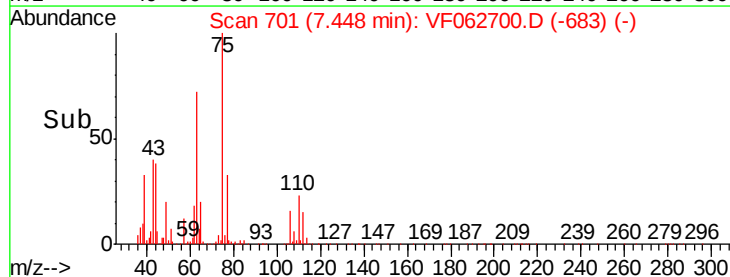
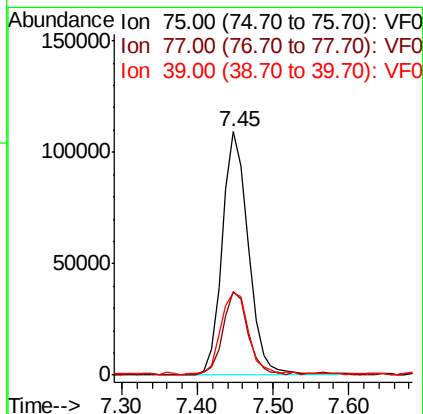
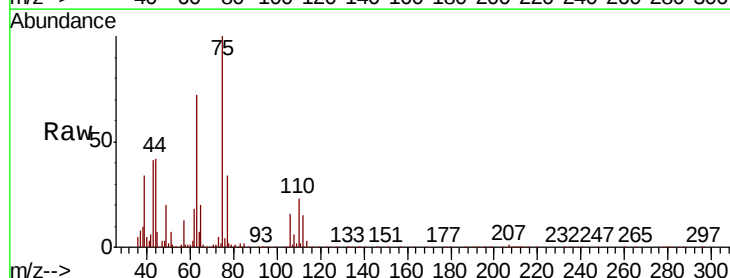
Tgt Ion: 75 Resp: 262894

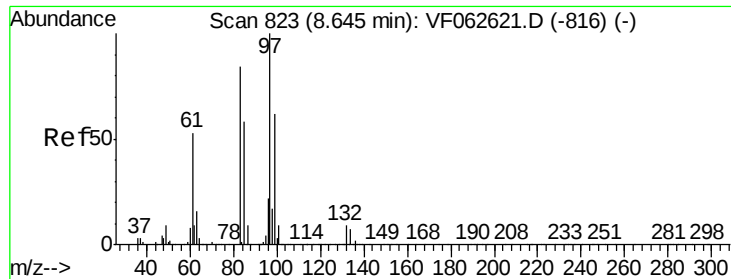
Ion Ratio Lower Upper

75 100

77 34.2 25.3 37.9

39 33.8 28.2 42.2





#55

1,1,2-Trichloroethane

Concen: 19.445 ug/l

RT: 8.62 min Scan# 820

Delta R.T. -0.02 min

Lab File: VF062700.D

Acq: 22 May 2019 12:38

Instrument :

MSVOA_F

ClientSampleId :

VF0522SBS01

Tot Ion: 97 Resp: 109466

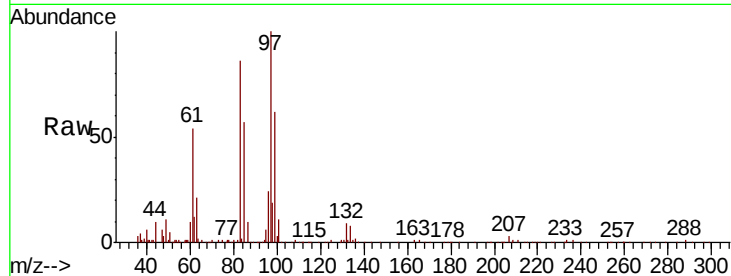
Ion Ratio Lower Upper

97 100

83 86.4 67.3 100.9

85 56.6 46.6 69.8

99 62.5 49.7 74.5

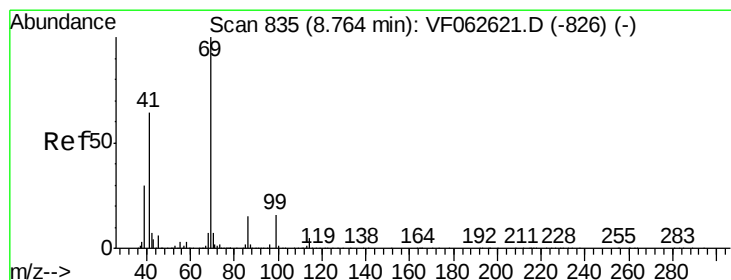
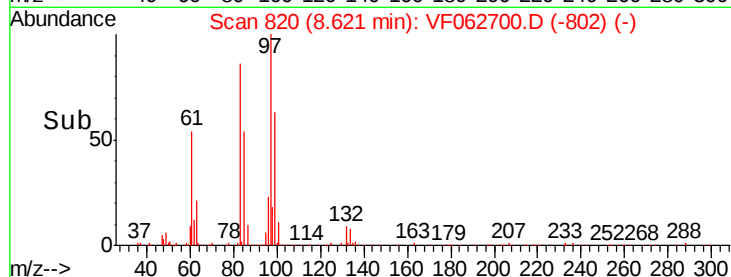
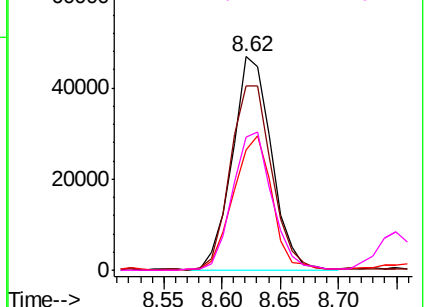


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 17.642 ug/l

RT: 8.75 min Scan# 833

Delta R.T. -0.01 min

Lab File: VF062700.D

Acq: 22 May 2019 12:38

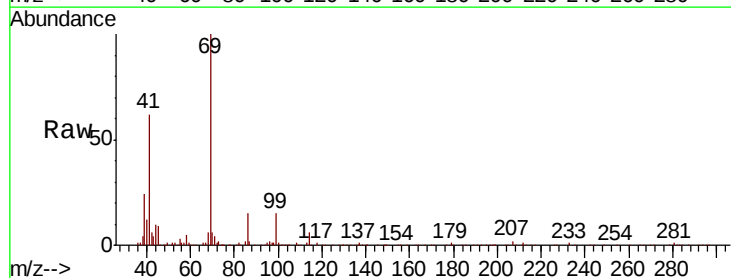
Tgt Ion: 69 Resp: 118318

Ion Ratio Lower Upper

69 100

41 62.0 51.4 77.2

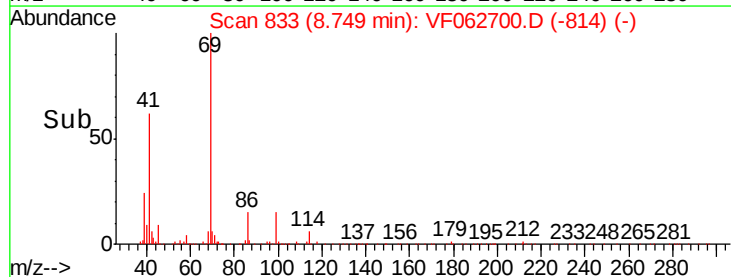
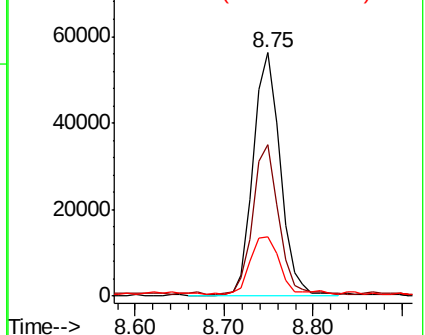
39 24.1 23.6 35.4

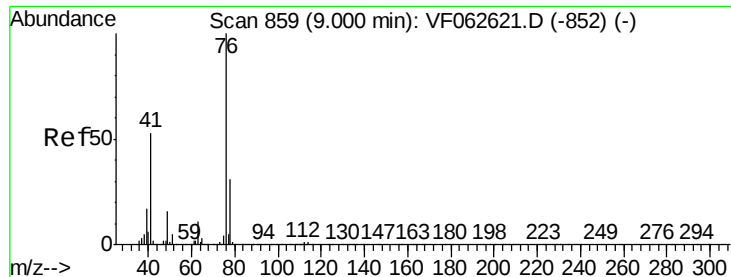


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 19.999 ug/l

RT: 8.99 min Scan# 857

Delta R.T. -0.01 min

Lab File: VF062700.D

Acq: 22 May 2019 12:38

Instrument :

MSVOA_F

ClientSampleId :

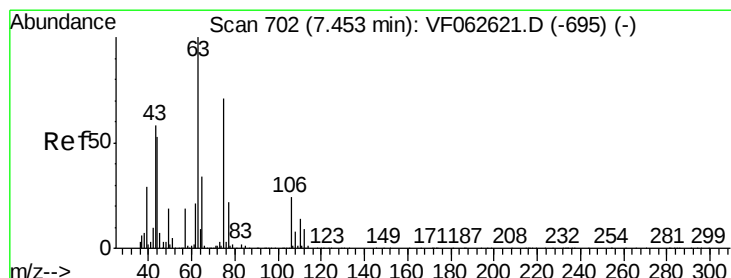
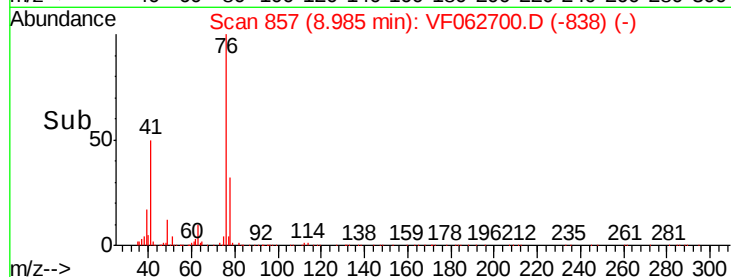
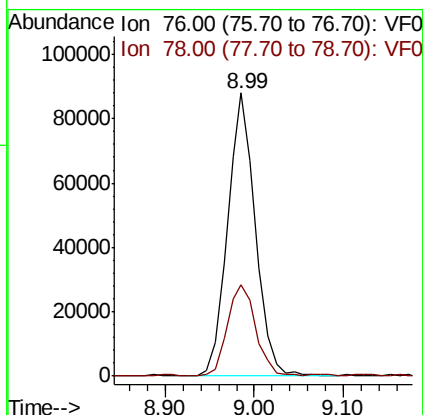
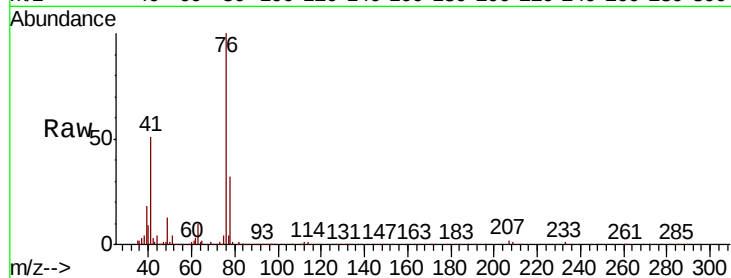
VF0522SBSD01

Tot Ion: 76 Resp: 191760

Ion Ratio Lower Upper

76 100

78 32.3 25.4 38.0



#58

2-Chloroethyl Vinyl ether

Concen: 92.033 ug/l

RT: 7.44 min Scan# 700

Delta R.T. -0.01 min

Lab File: VF062700.D

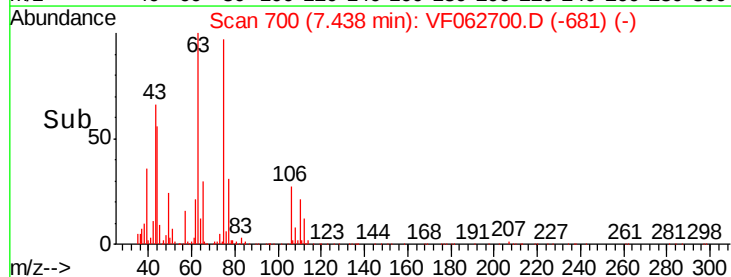
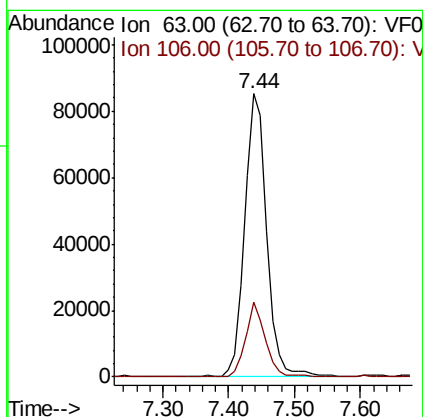
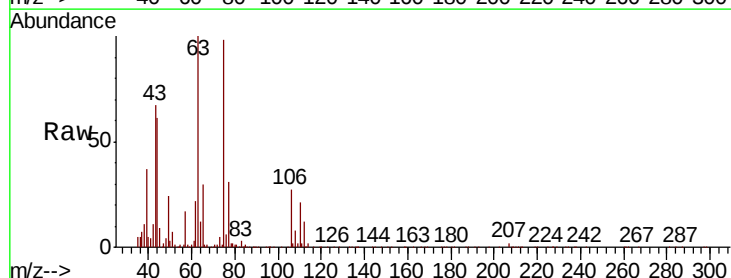
Acq: 22 May 2019 12:38

Tgt Ion: 63 Resp: 200913

Ion Ratio Lower Upper

63 100

106 26.5 19.1 28.7

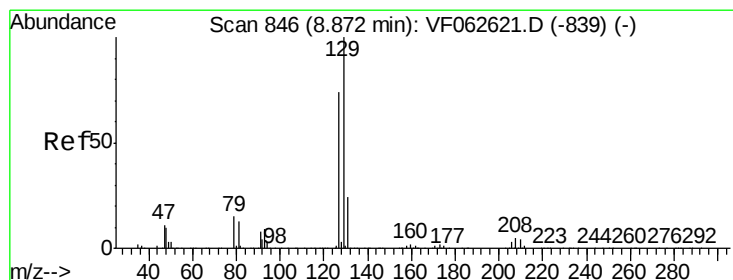
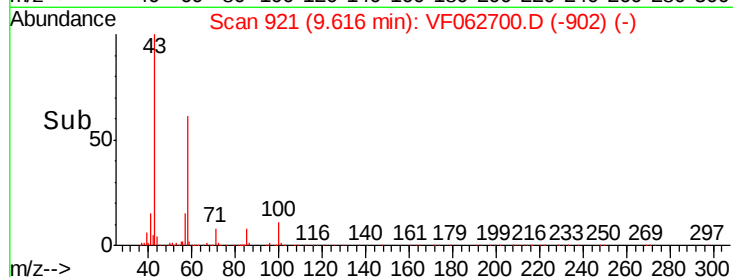
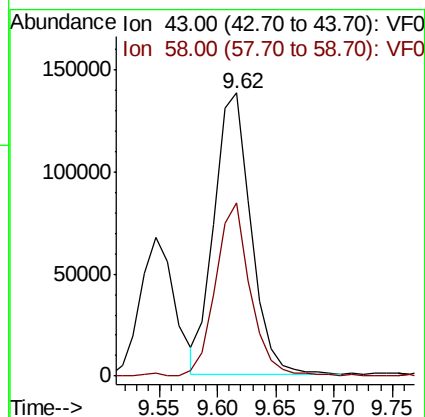
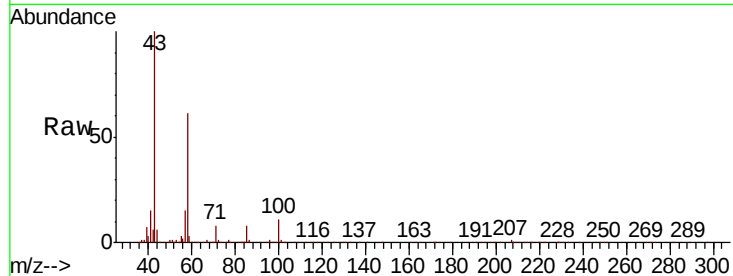




#59
2-Hexanone
Concen: 85.132 ug/l
RT: 9.62 min Scan# 921
Delta R.T. -0.01 min
Lab File: VF062700.D
Acq: 22 May 2019 12:38

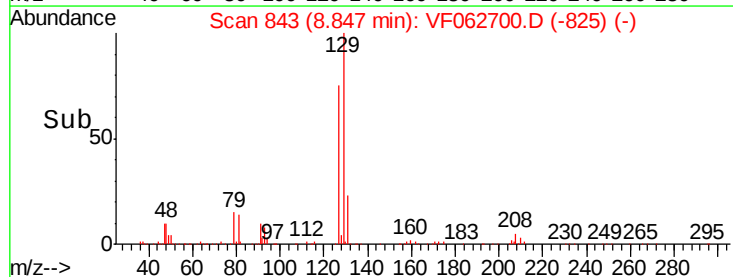
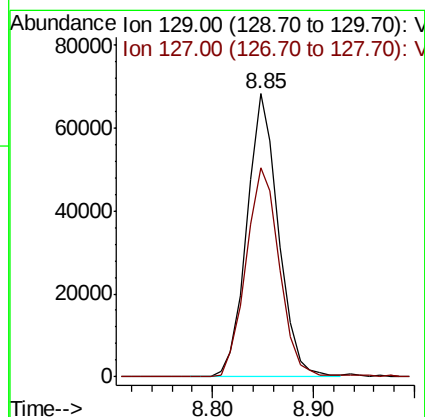
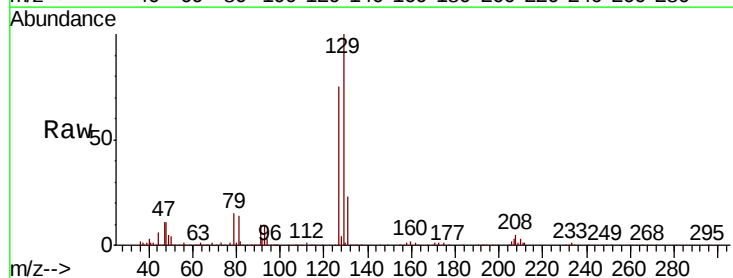
Instrument :
MSVOA_F
ClientSampleId :
VF0522SBSD01

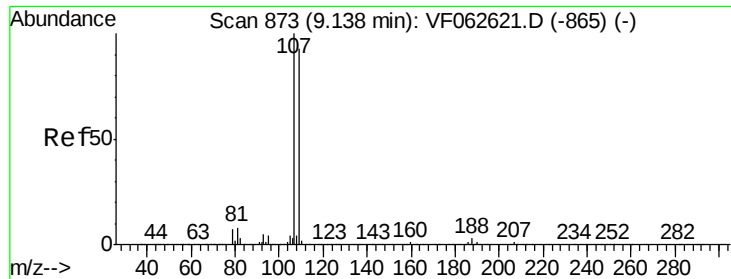
Tot Ion: 43 Resp: 303304
Ion Ratio Lower Upper
43 100
58 61.2 28.1 84.4



#60
Dibromochloromethane
Concen: 20.285 ug/l
RT: 8.85 min Scan# 843
Delta R.T. -0.02 min
Lab File: VF062700.D
Acq: 22 May 2019 12:38

Tgt Ion: 129 Resp: 148833
Ion Ratio Lower Upper
129 100
127 74.1 37.2 111.6





#61

1,2-Dibromoethane

Concen: 20.031 ug/l

RT: 9.12 min Scan# 871

Delta R.T. -0.01 min

Lab File: VF062700.D

Acq: 22 May 2019 12:38

Instrument :

MSVOA_F

ClientSampleId :

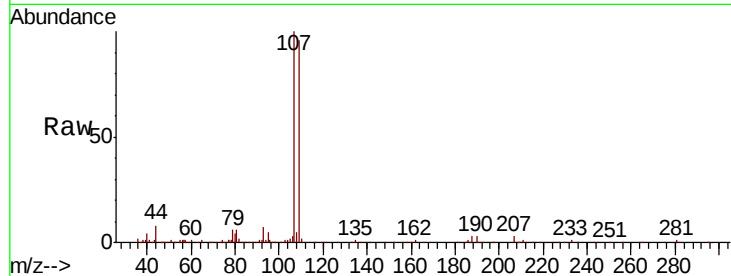
VF0522SBSD01

Tot Ion:107 Resp: 119769

Ion Ratio Lower Upper

107 100

109 95.6 74.8 112.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

9.12

60000

50000

40000

30000

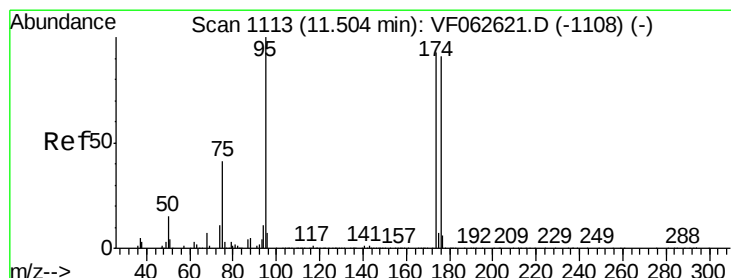
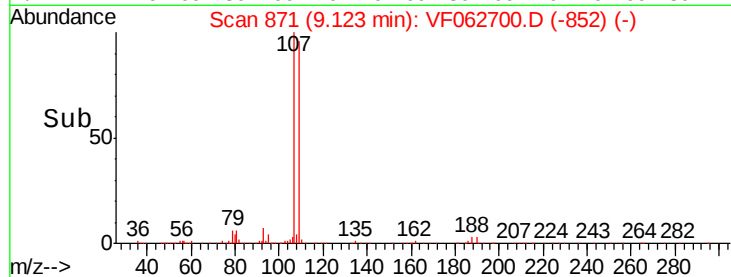
20000

10000

0

Time-->

9.00 9.10 9.20



#62

4-Bromofluorobenzene

Concen: 39.170 ug/l

RT: 11.49 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VF062700.D

Acq: 22 May 2019 12:38

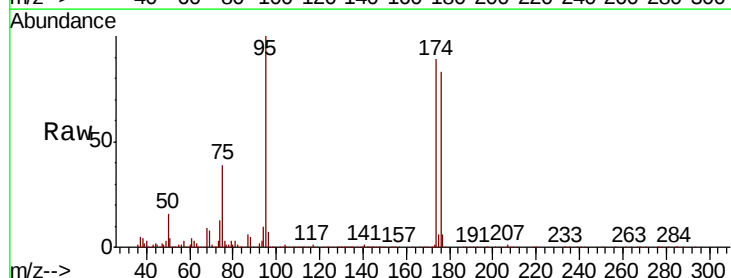
Tgt Ion: 95 Resp: 352485

Ion Ratio Lower Upper

95 100

174 89.3 0.0 185.6

176 82.9 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

11.49

250000

200000

150000

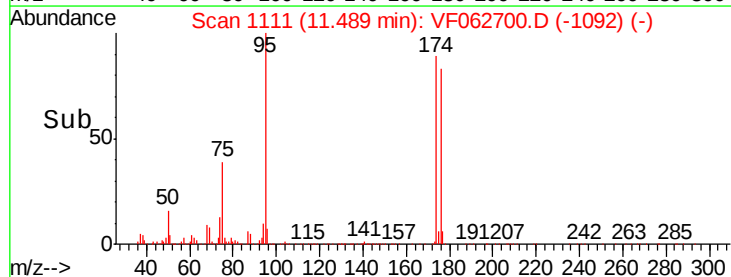
100000

50000

0

Time-->

11.40 11.50 11.60

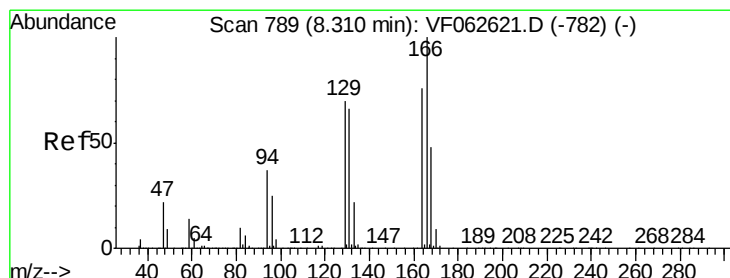
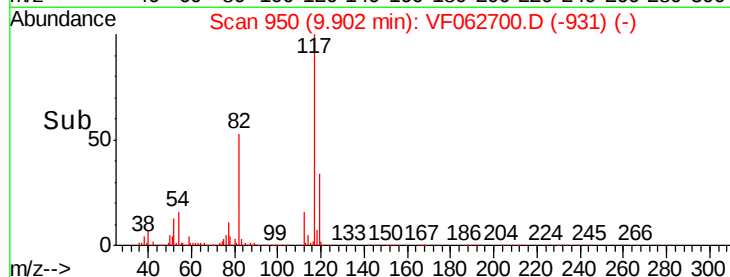
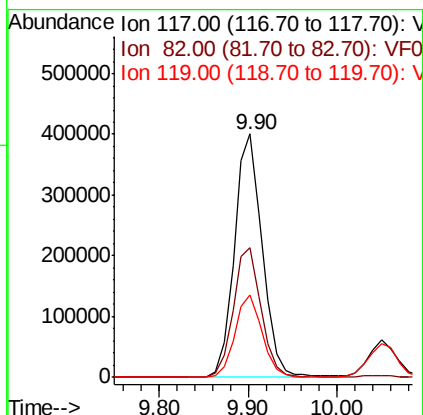
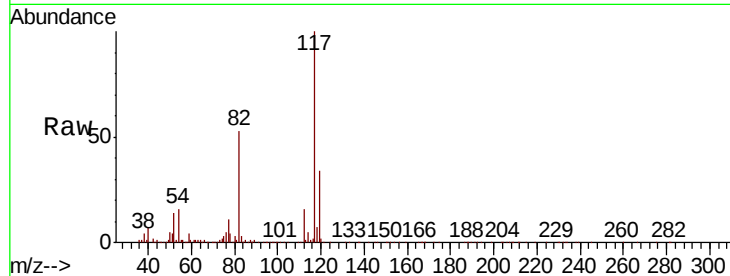




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.90 min Scan# 950
Delta R.T. -0.01 min
Lab File: VF062700.D
Acq: 22 May 2019 12:38

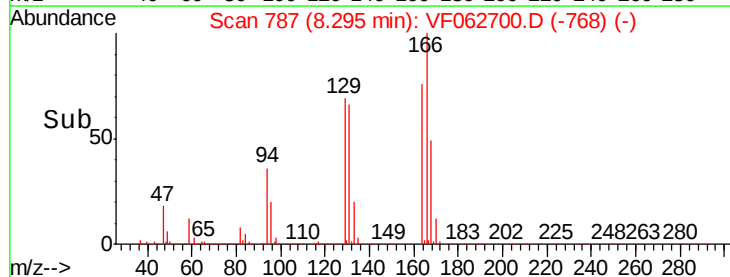
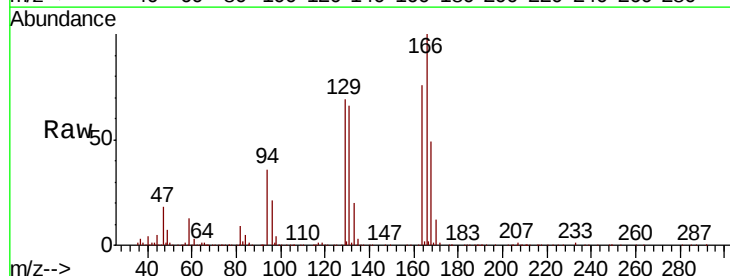
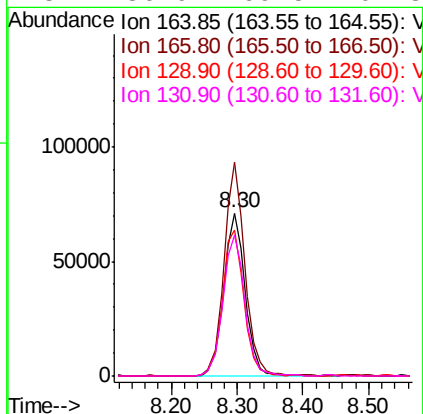
Instrument :
MSVOA_F
ClientSampleId :
VF0522SBS01

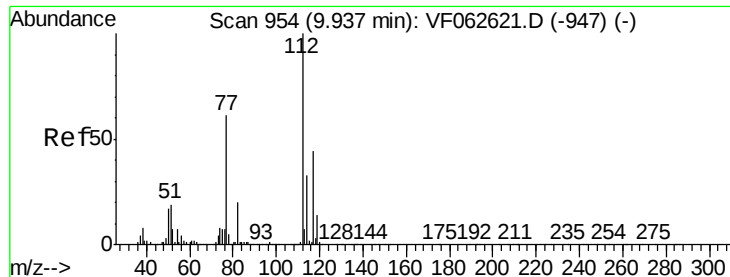
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.3	43.3	64.9
119	33.7	27.4	41.0



#64
Tetrachloroethene
Concen: 23.400 ug/l
RT: 8.30 min Scan# 787
Delta R.T. -0.01 min
Lab File: VF062700.D
Acq: 22 May 2019 12:38

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.2	105.5	158.3
129	90.0	73.8	110.6
131	86.9	69.5	104.3

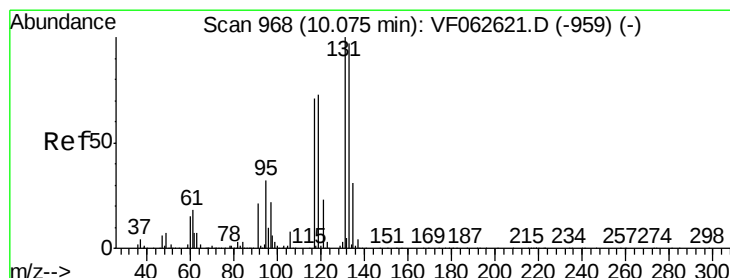
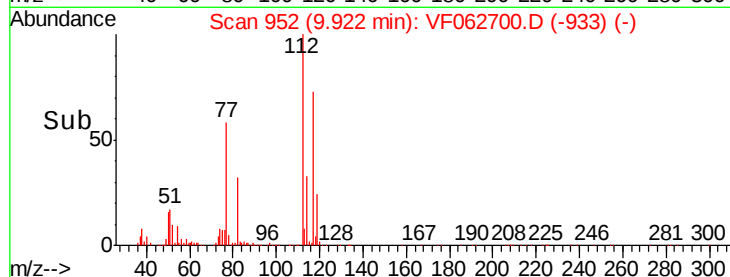
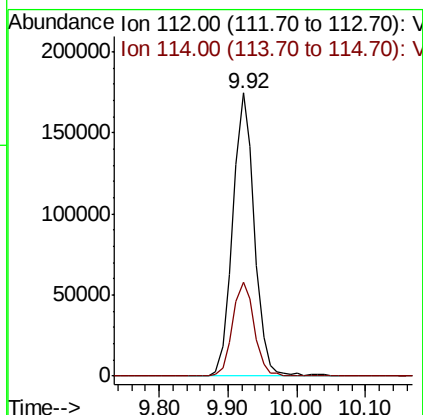
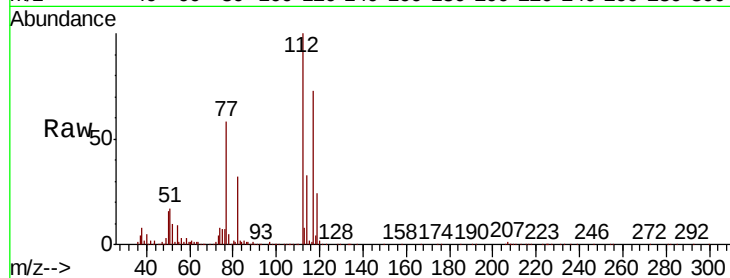




#65
Chlorobenzene
Concen: 22.162 ug/l
RT: 9.92 min Scan# 952
Delta R.T. -0.01 min
Lab File: VF062700.D
Acq: 22 May 2019 12:38

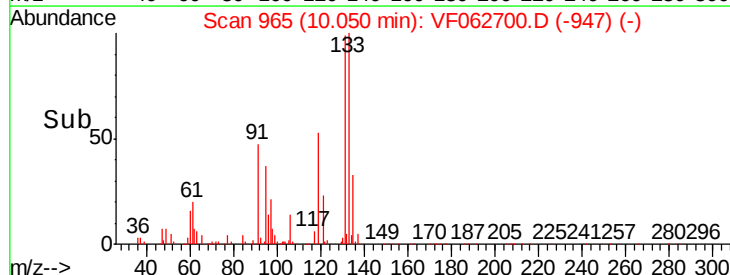
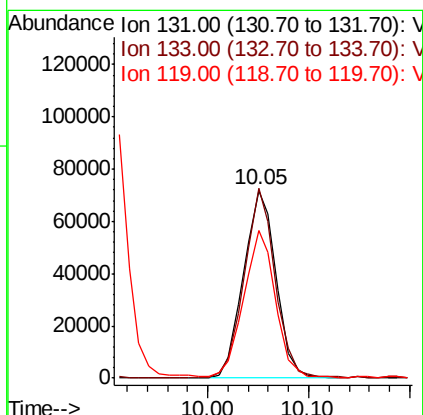
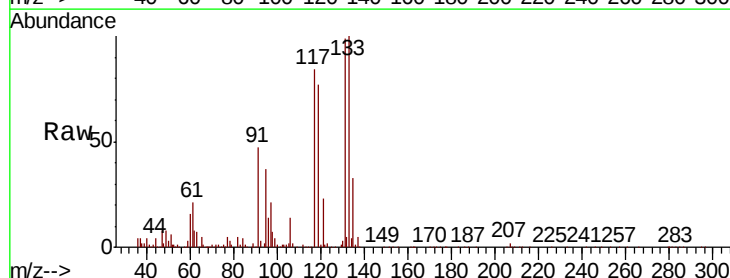
Instrument :
MSVOA_F
ClientSampleId :
VF0522SBSD01

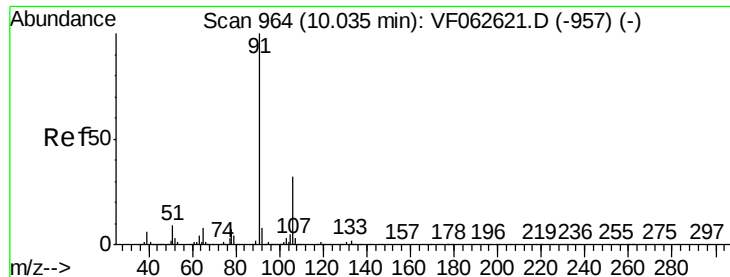
Tot Ion:112 Resp: 379774
Ion Ratio Lower Upper
112 100
114 33.3 26.8 40.2



#66
1,1,1,2-Tetrachloroethane
Concen: 23.475 ug/l
RT: 10.05 min Scan# 965
Delta R.T. -0.02 min
Lab File: VF062700.D
Acq: 22 May 2019 12:38

Tgt Ion:131 Resp: 161488
Ion Ratio Lower Upper
131 100
133 101.3 48.5 145.5
119 78.3 36.8 110.4





#67

Ethyl Benzene

Concen: 21.802 ug/l

RT: 10.02 min Scan# 962

Delta R.T. -0.01 min

Lab File: VF062700.D

Acq: 22 May 2019 12:38

Instrument :

MSVOA_F

ClientSampleId :

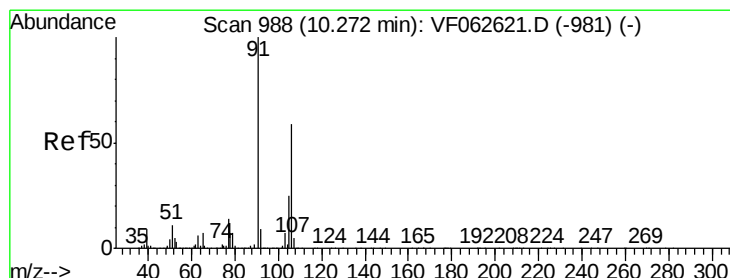
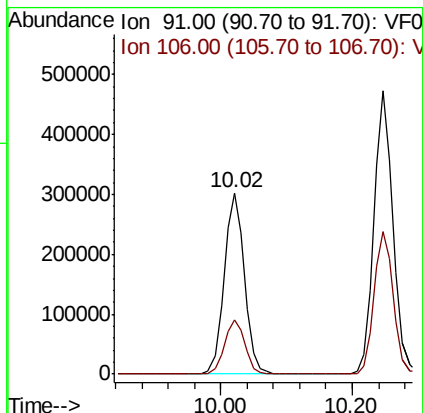
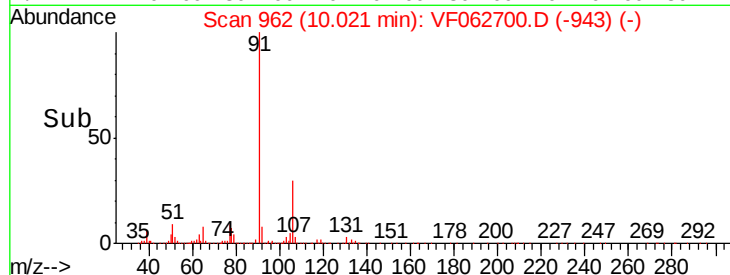
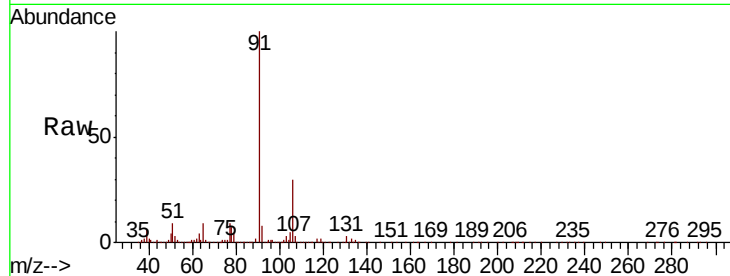
VF0522SBS01

Tot Ion: 91 Resp: 649016

Ion Ratio Lower Upper

91 100

106 29.6 25.8 38.8



#68

m/p-Xylenes

Concen: 43.376 ug/l

RT: 10.25 min Scan# 985

Delta R.T. -0.02 min

Lab File: VF062700.D

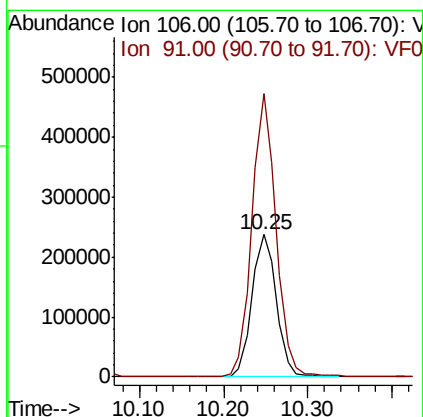
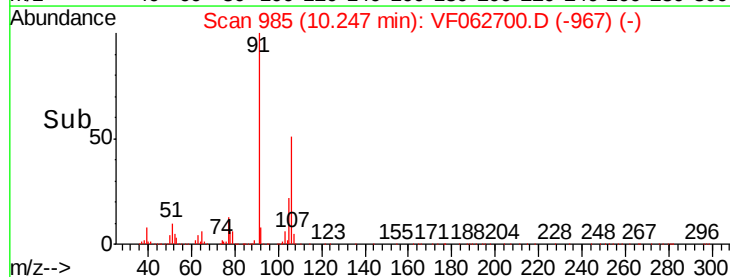
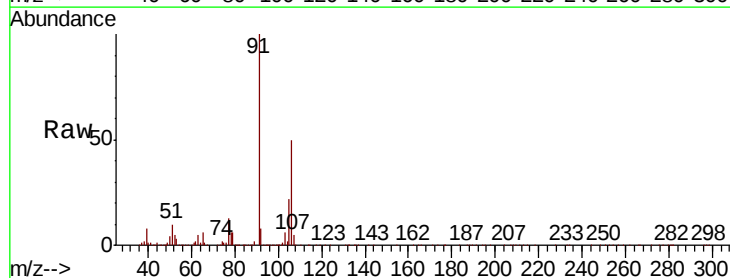
Acq: 22 May 2019 12:38

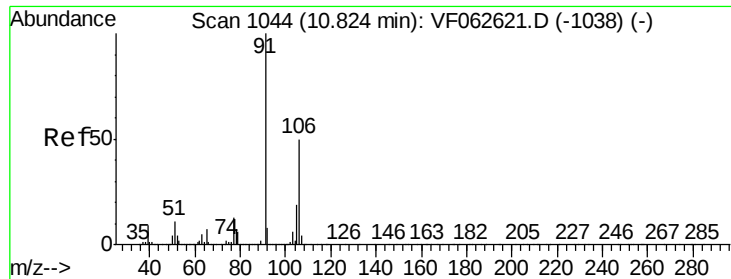
Tgt Ion: 106 Resp: 485314

Ion Ratio Lower Upper

106 100

91 198.8 136.9 205.3

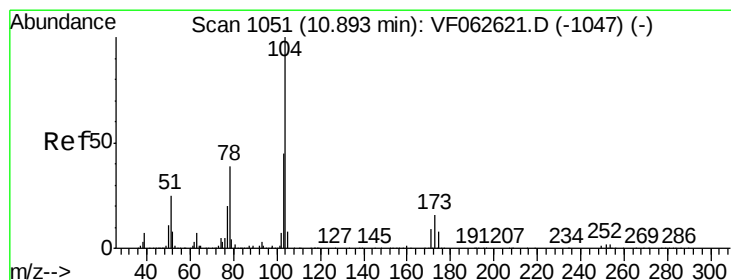
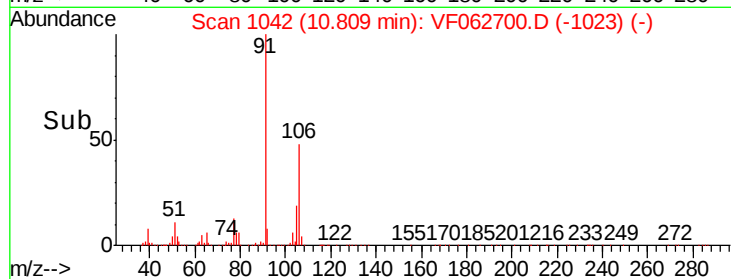
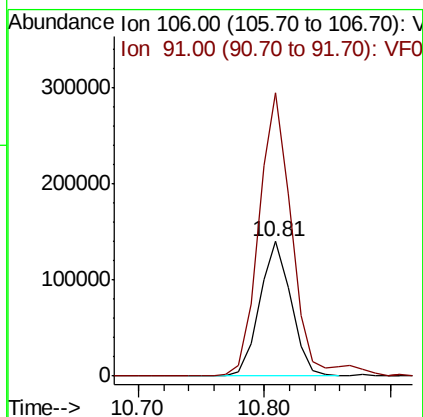
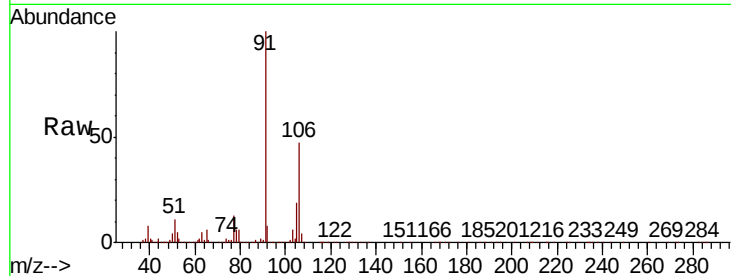




#69
o-Xylene
Concen: 21.204 ug/l
RT: 10.81 min Scan# 1042
Delta R.T. -0.01 min
Lab File: VF062700.D
Acq: 22 May 2019 12:38

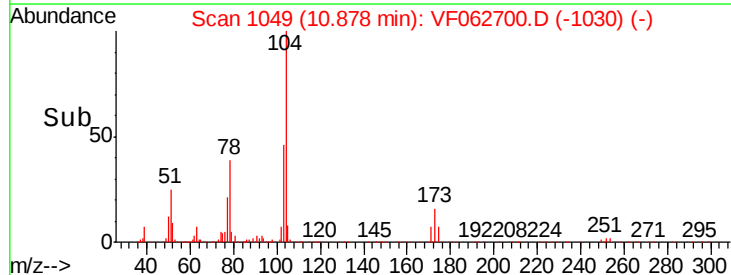
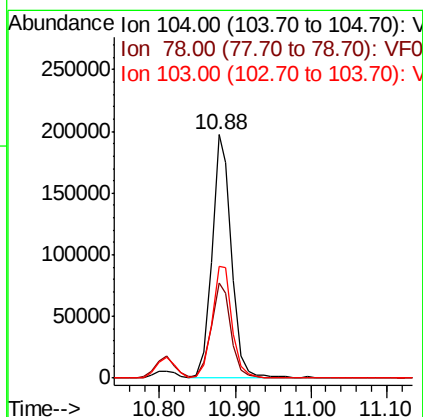
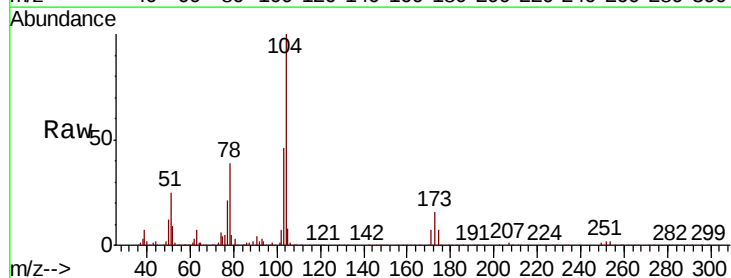
Instrument :
MSVOA_F
ClientSampleId :
VF0522SBSD01

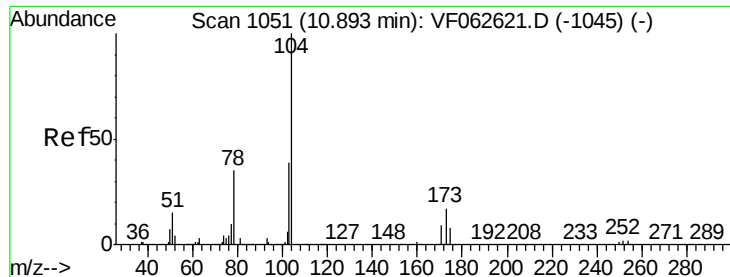
Tot Ion:106 Resp: 244362
Ion Ratio Lower Upper
106 100
91 210.8 100.2 300.5



#70
Styrene
Concen: 20.272 ug/l
RT: 10.88 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VF062700.D
Acq: 22 May 2019 12:38

Tgt Ion:104 Resp: 355086
Ion Ratio Lower Upper
104 100
78 39.3 31.9 47.9
103 45.8 36.1 54.1





#71

Bromoform

Concen: 22.064 ug/l

RT: 10.87 min Scan# 1048

Delta R.T. -0.02 min

Lab File: VF062700.D

Acq: 22 May 2019 12:38

Instrument :

MSVOA_F

ClientSampleId :

VF0522SBS01

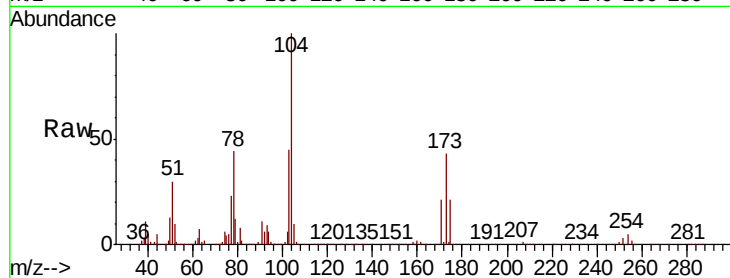
Tot Ion:173 Resp: 76020

Ion Ratio Lower Upper

173 100

175 48.4 25.3 75.9

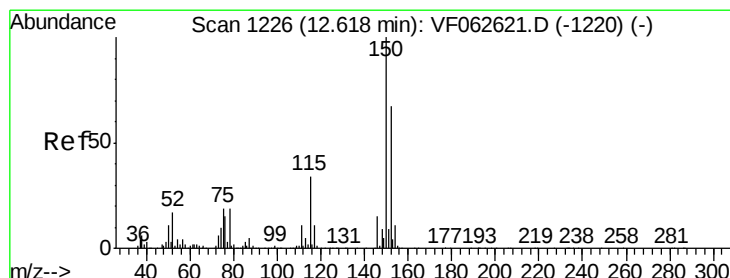
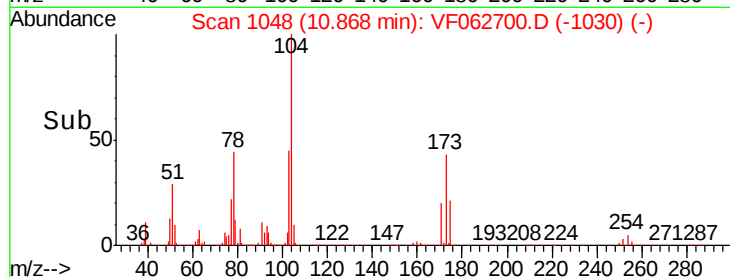
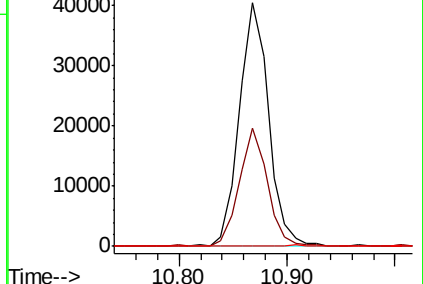
254 0.0 0.2 0.2#



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.60 min Scan# 1224

Delta R.T. -0.01 min

Lab File: VF062700.D

Acq: 22 May 2019 12:38

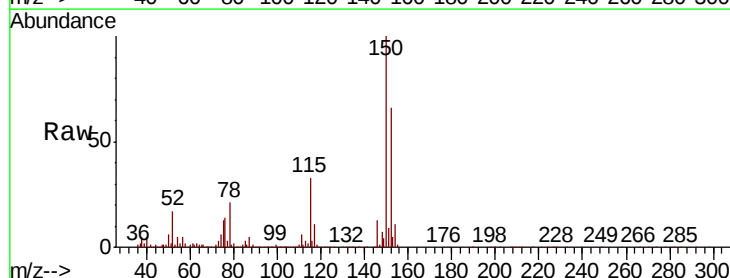
Tgt Ion:152 Resp: 401031

Ion Ratio Lower Upper

152 100

115 49.8 25.2 75.6

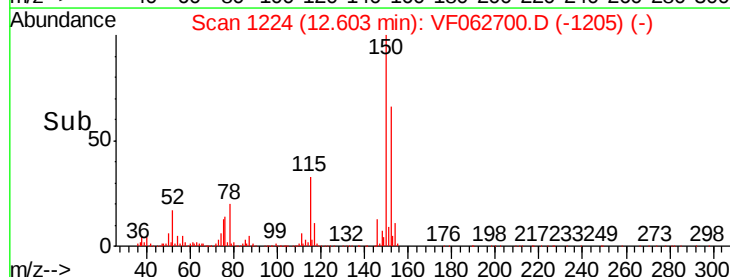
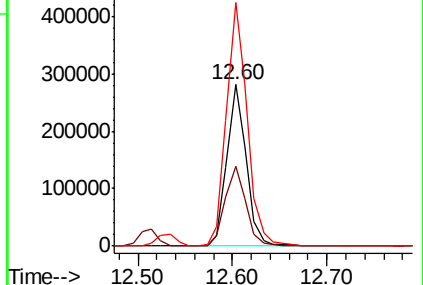
150 150.9 0.0 306.2

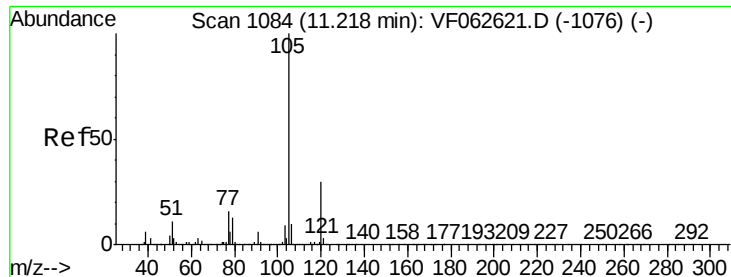


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 23.962 ug/l

RT: 11.20 min Scan# 1082

Delta R.T. -0.01 min

Lab File: VF062700.D

Acq: 22 May 2019 12:38

Instrument :

MSVOA_F

ClientSampleId :

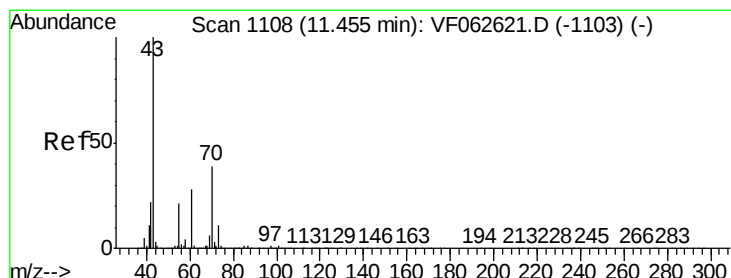
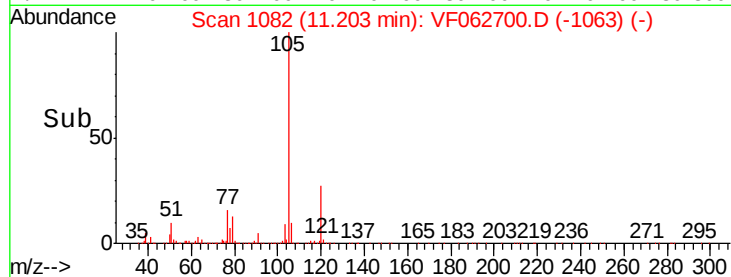
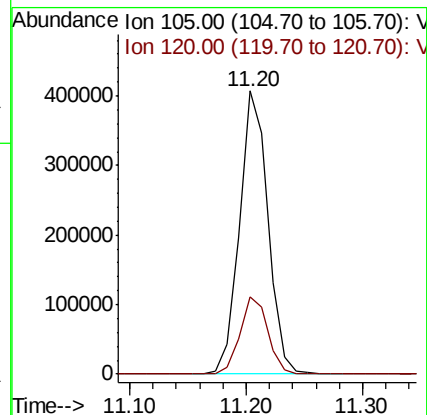
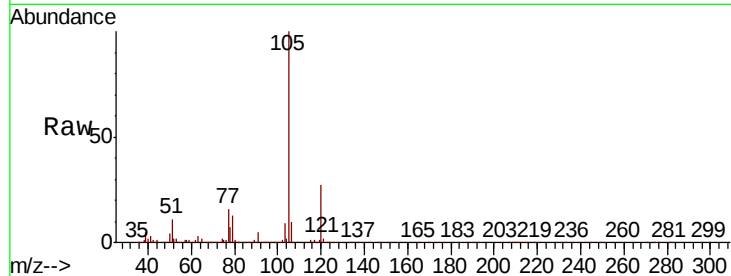
VF0522SBSD01

Tot Ion:105 Resp: 688725

Ion Ratio Lower Upper

105 100

120 27.3 14.8 44.4



#74

N-ethyl acetate

Concen: 22.755 ug/l

RT: 11.44 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VF062700.D

Acq: 22 May 2019 12:38

Tgt Ion: 43 Resp: 187916

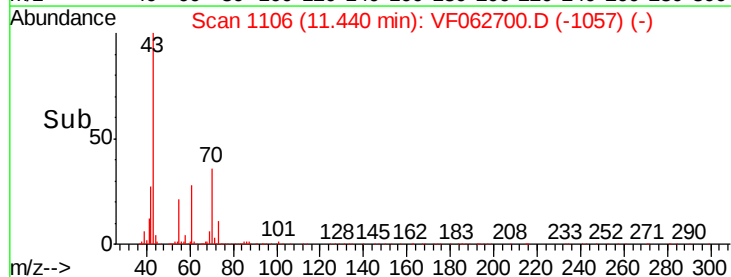
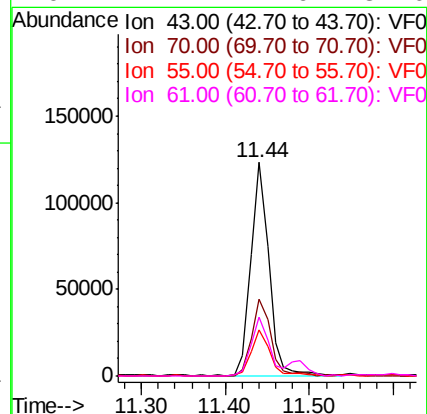
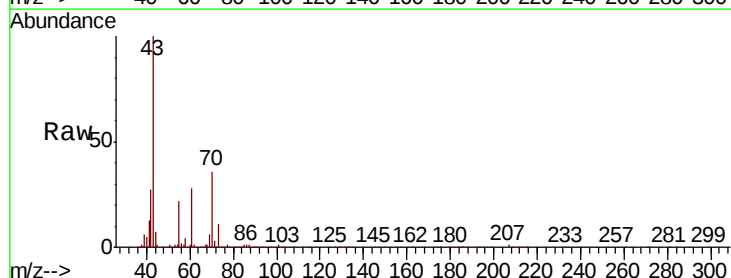
Ion Ratio Lower Upper

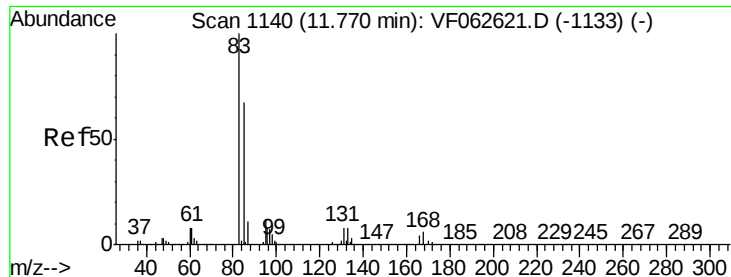
43 100

70 36.3 30.9 46.3

55 21.5 17.0 25.4

61 27.7 22.6 34.0





#75

1,1,2,2-Tetrachloroethane

Concen: 22.974 ug/l

RT: 11.77 min Scan# 1139

Delta R.T. -0.00 min

Lab File: VF062700.D

Acq: 22 May 2019 12:38

Instrument :

MSVOA_F

ClientSampleId :

VF0522SBS01

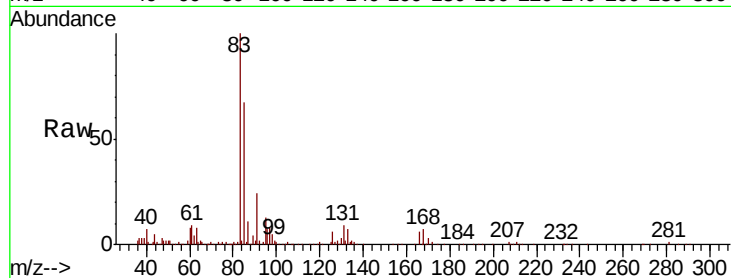
Tot Ion: 83 Resp: 134945

Ion Ratio Lower Upper

83 100

131 9.4 4.0 12.0

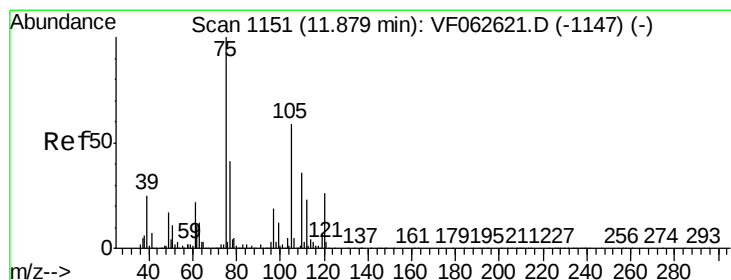
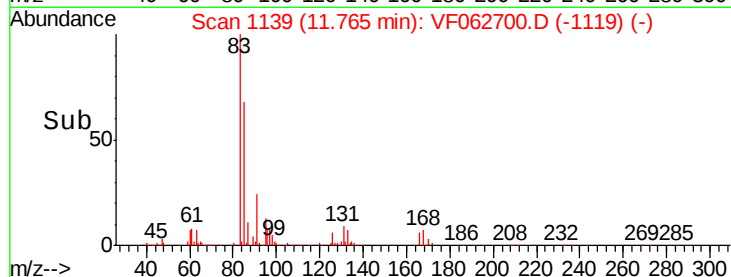
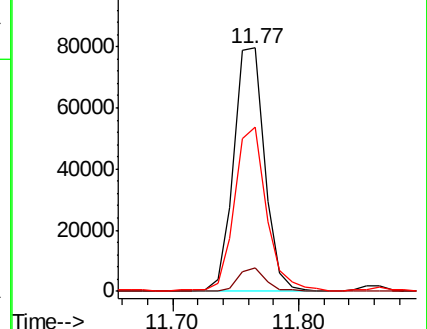
85 67.3 33.5 100.5



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 22.695 ug/l

RT: 11.86 min Scan# 1149

Delta R.T. -0.01 min

Lab File: VF062700.D

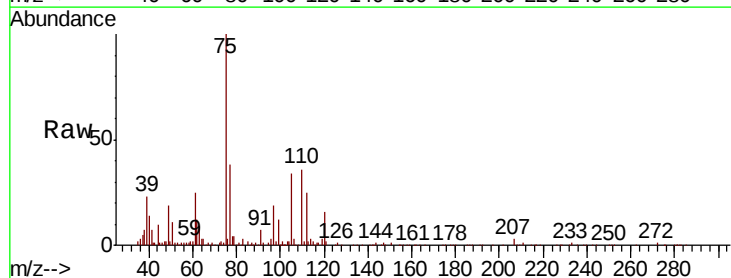
Acq: 22 May 2019 12:38

Tgt Ion: 75 Resp: 87593

Ion Ratio Lower Upper

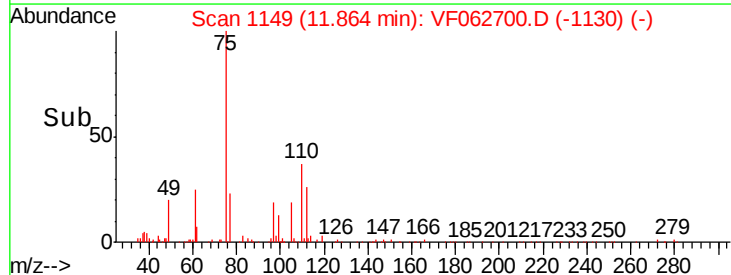
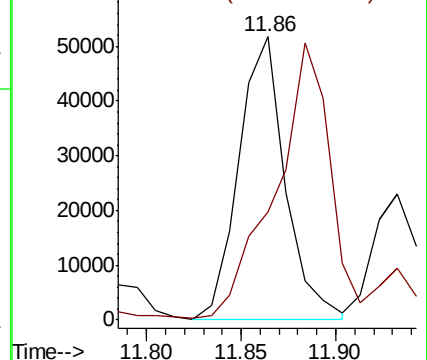
75 100

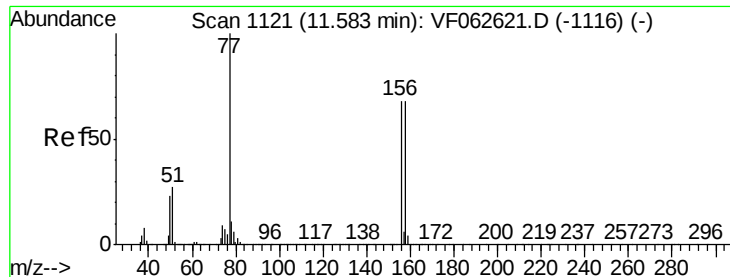
77 38.3 20.6 61.8



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 22.251 ug/l

RT: 11.57 min Scan# 1119

Delta R.T. -0.01 min

Lab File: VF062700.D

Acq: 22 May 2019 12:38

Instrument :

MSVOA_F

ClientSampleId :

VF0522SBS01

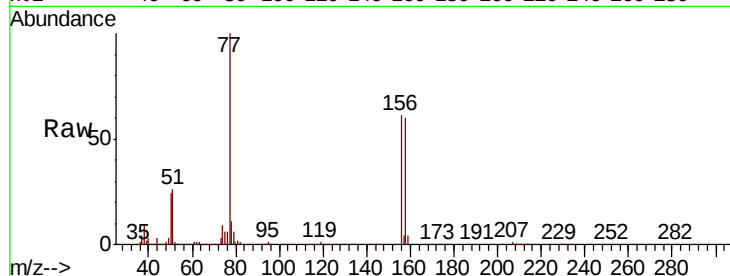
Tot Ion:156 Resp: 158975

Ion Ratio Lower Upper

156 100

77 162.9 73.6 220.8

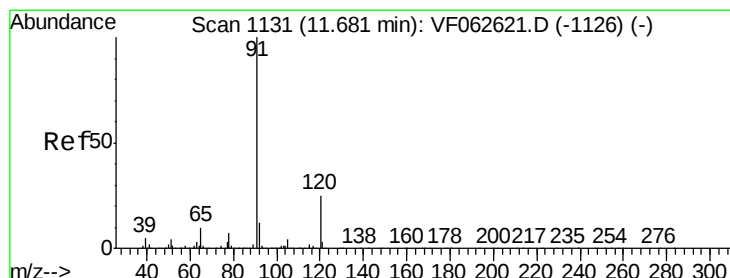
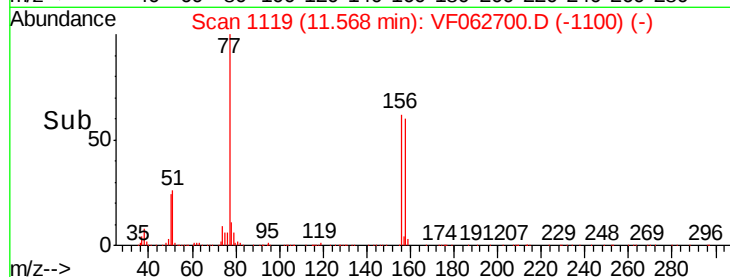
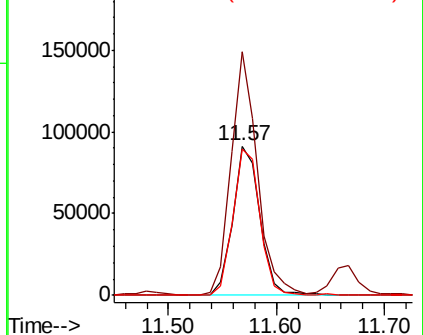
158 98.1 49.6 148.8



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: 22.977 ug/l

RT: 11.67 min Scan# 1129

Delta R.T. -0.01 min

Lab File: VF062700.D

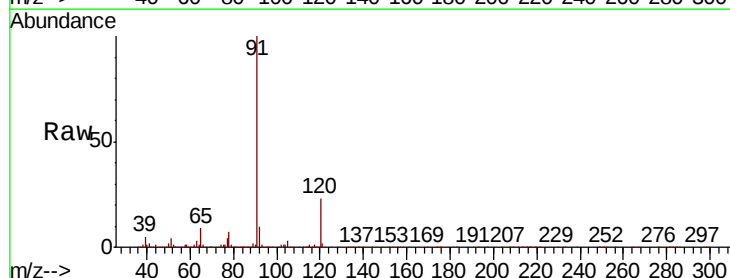
Acq: 22 May 2019 12:38

Tgt Ion: 91 Resp: 781578

Ion Ratio Lower Upper

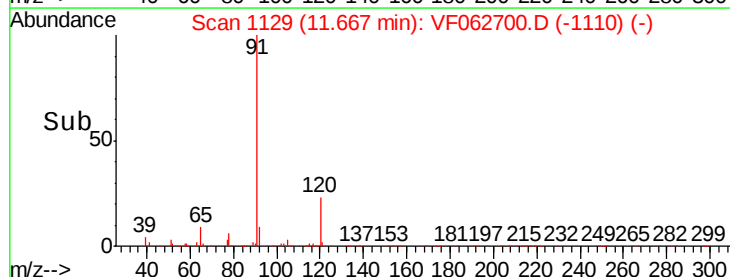
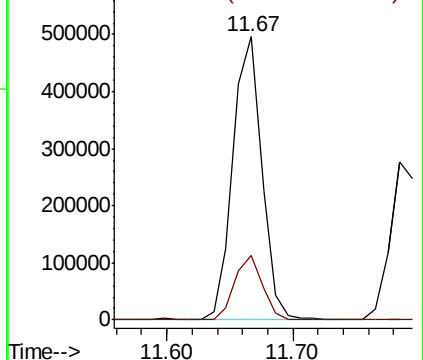
91 100

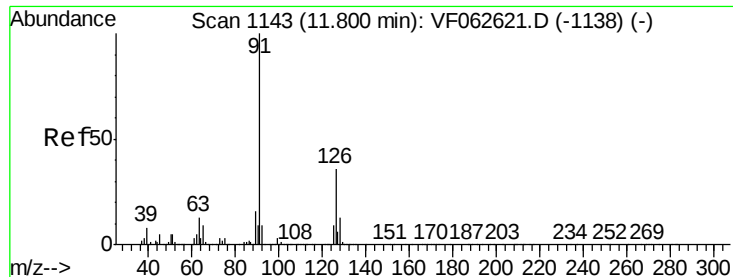
120 22.6 12.7 38.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 23.010 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VF062700.D

Acq: 22 May 2019 12:38

Instrument :

MSVOA_F

ClientSampleId :

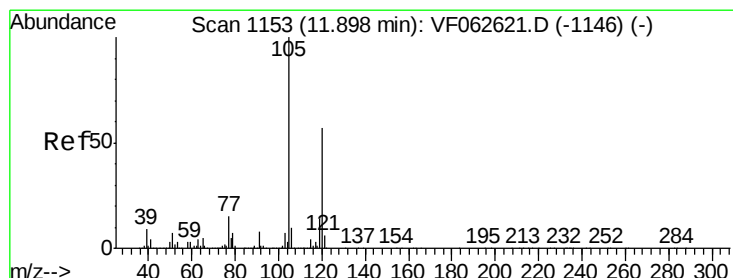
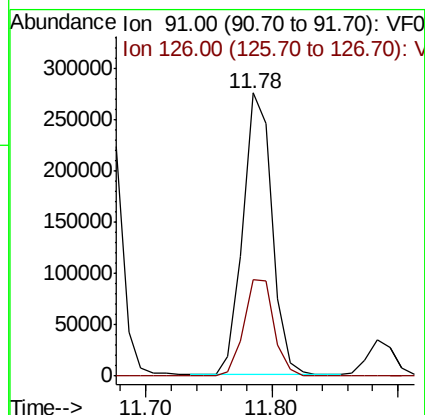
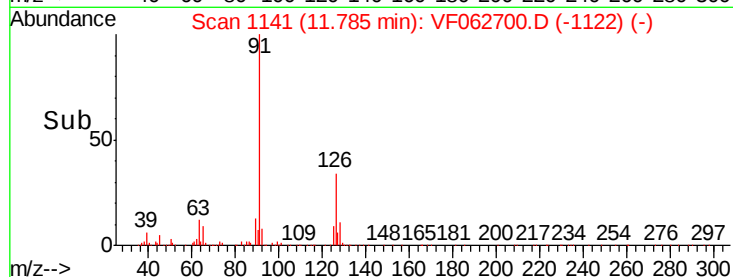
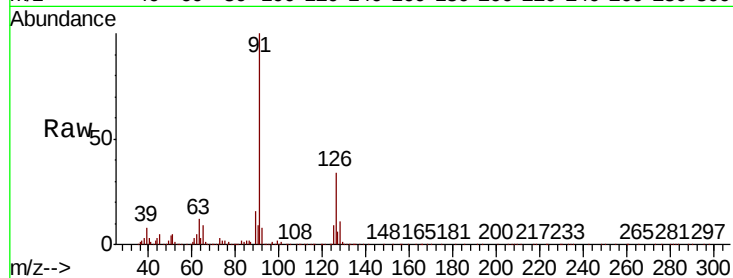
VF0522SBSD01

Tot Ion: 91 Resp: 441112

Ion Ratio Lower Upper

91 100

126 34.1 18.1 54.4



#80

1,3,5-Trimethylbenzene

Concen: 24.085 ug/l

RT: 11.88 min Scan# 1151

Delta R.T. -0.01 min

Lab File: VF062700.D

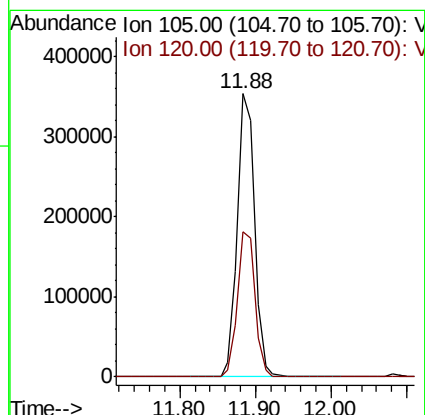
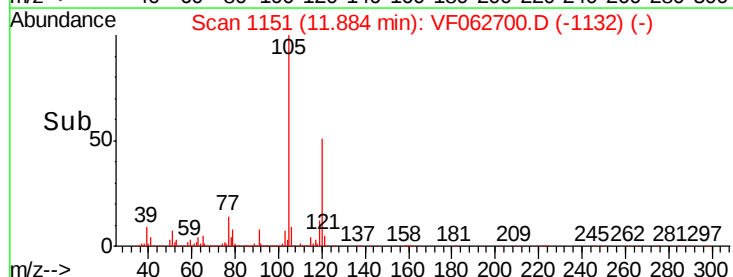
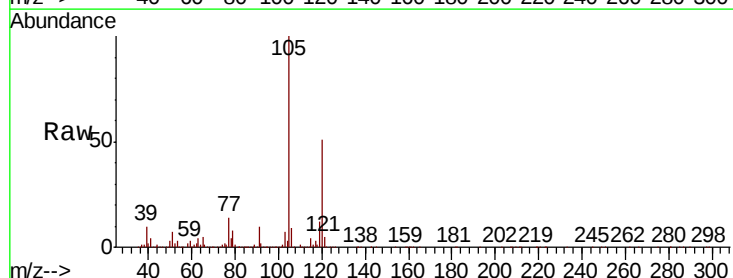
Acq: 22 May 2019 12:38

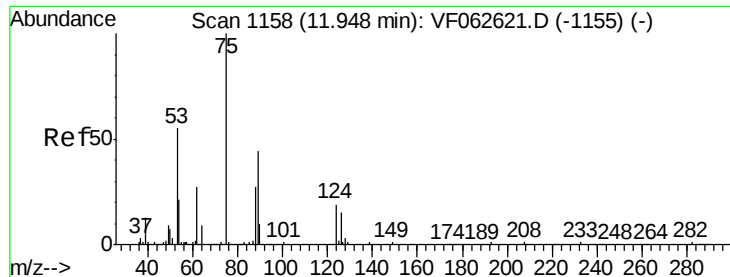
Tgt Ion:105 Resp: 555099

Ion Ratio Lower Upper

105 100

120 51.1 28.7 86.3





#81

trans-1,4-Dichloro-2-butene

Concen: 29.573 ug/l

RT: 11.93 min Scan# 1156

Delta R.T. -0.01 min

Lab File: VF062700.D

Acq: 22 May 2019 12:38

Instrument :

MSVOA_F

ClientSampleId :

VF0522SBSD01

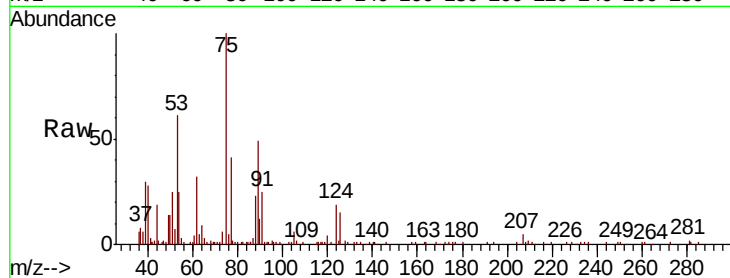
Tot Ion: 75 Resp: 50736

Ion Ratio Lower Upper

75 100

53 61.2 46.9 70.3

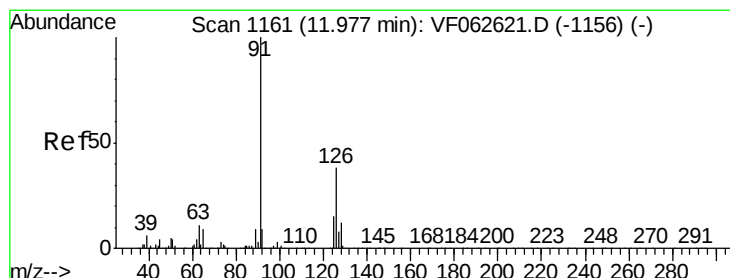
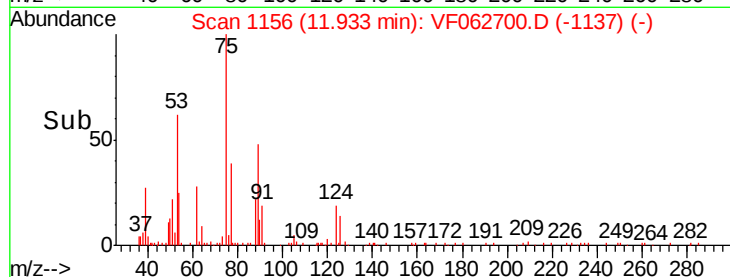
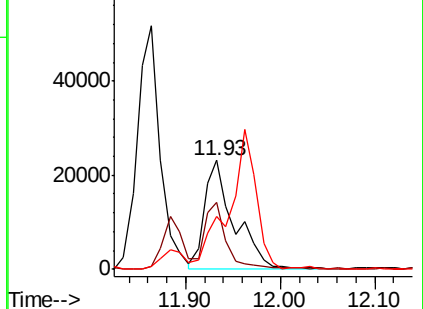
89 48.6 36.4 54.6



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: 23.450 ug/l

RT: 11.96 min Scan# 1159

Delta R.T. -0.01 min

Lab File: VF062700.D

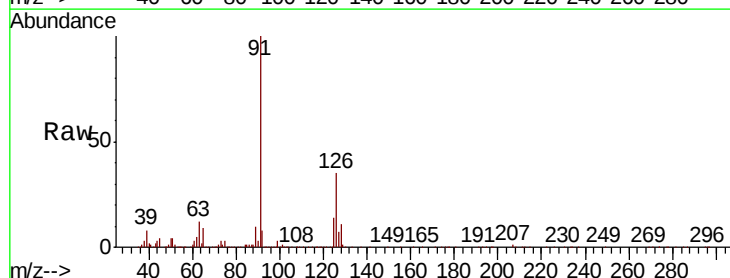
Acq: 22 May 2019 12:38

Tgt Ion: 91 Resp: 443302

Ion Ratio Lower Upper

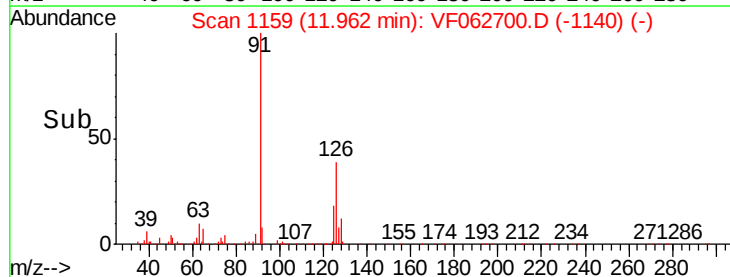
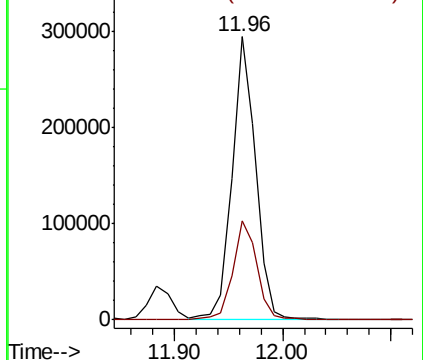
91 100

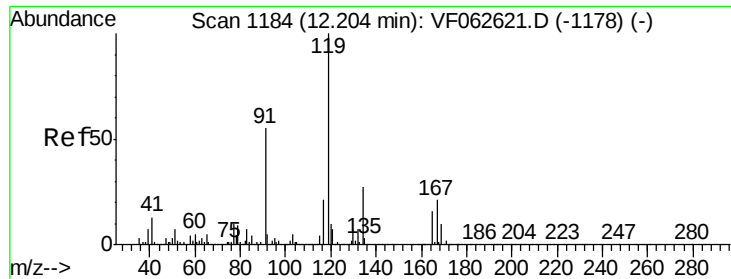
126 35.0 19.1 57.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V





#83

tert-Butylbenzene

Concen: 24.979 ug/l

RT: 12.19 min Scan# 1182

Delta R.T. -0.01 min

Lab File: VF062700.D

Acq: 22 May 2019 12:38

Instrument :

MSVOA_F

ClientSampleId :

VF0522SBS01

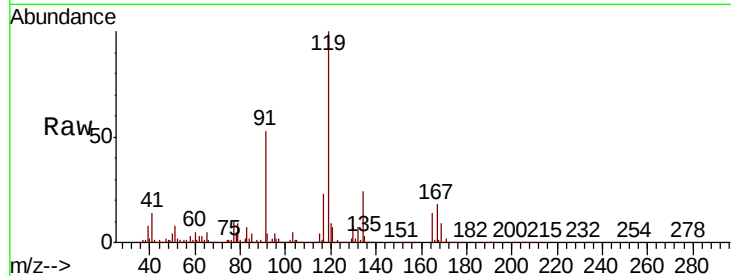
Tot Ion:119 Resp: 584067

Ion Ratio Lower Upper

119 100

91 53.2 27.3 81.9

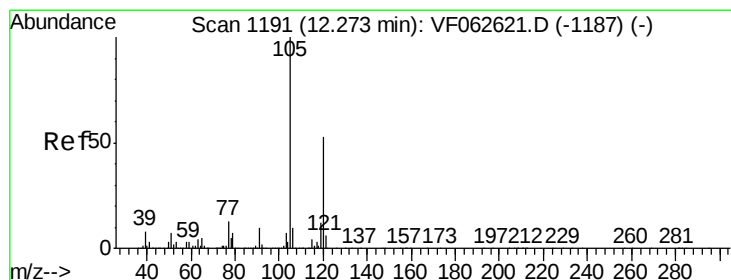
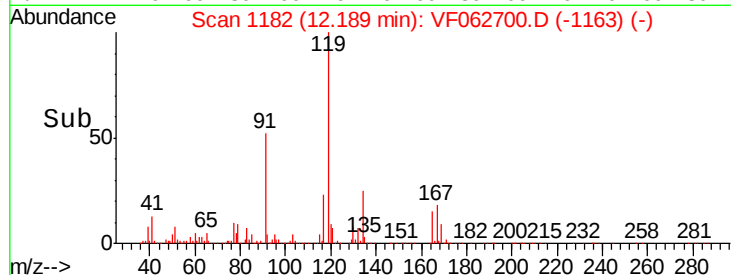
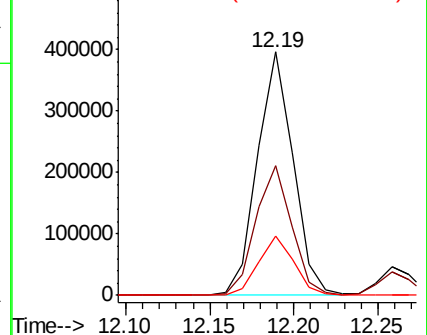
134 24.5 13.6 40.7



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: 24.095 ug/l

RT: 12.26 min Scan# 1189

Delta R.T. -0.01 min

Lab File: VF062700.D

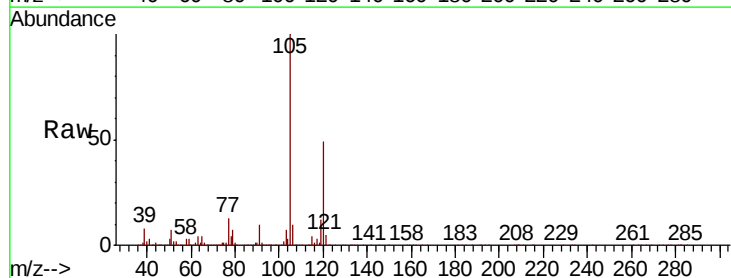
Acq: 22 May 2019 12:38

Tgt Ion:105 Resp: 537466

Ion Ratio Lower Upper

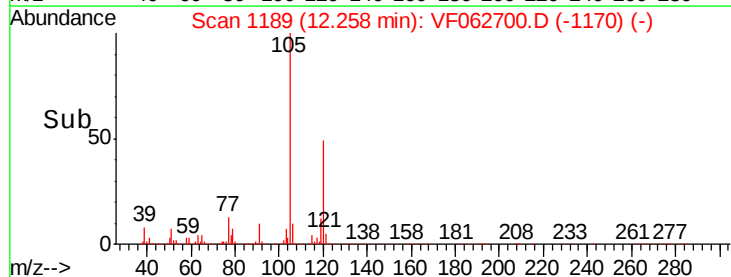
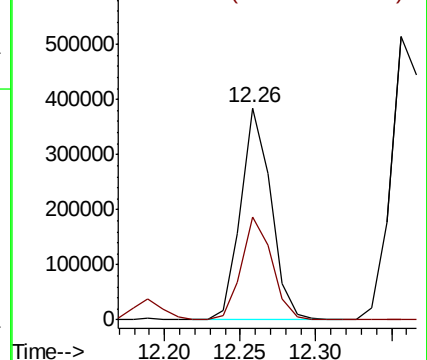
105 100

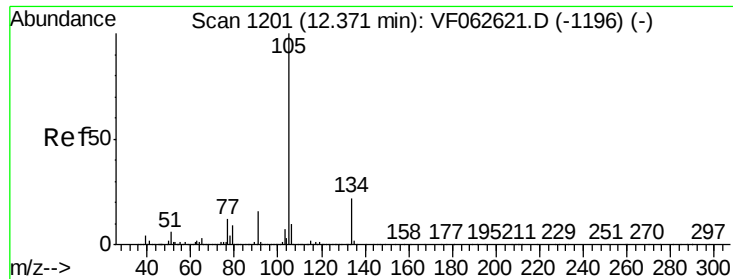
120 48.6 26.7 80.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

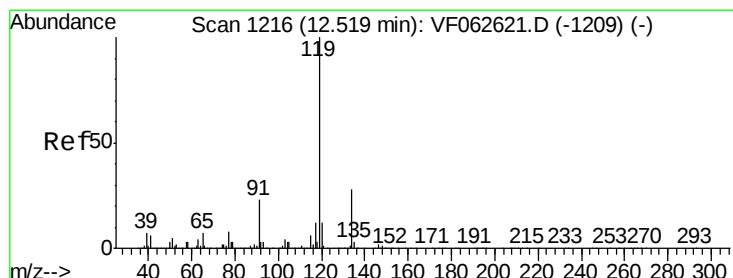
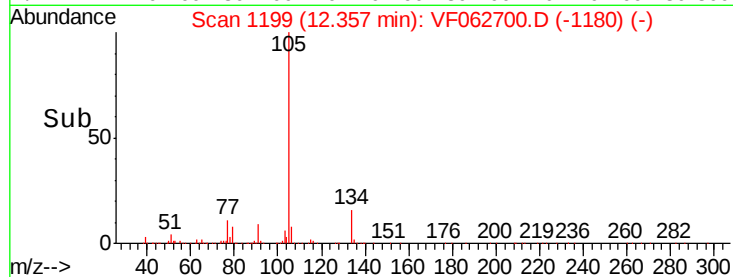
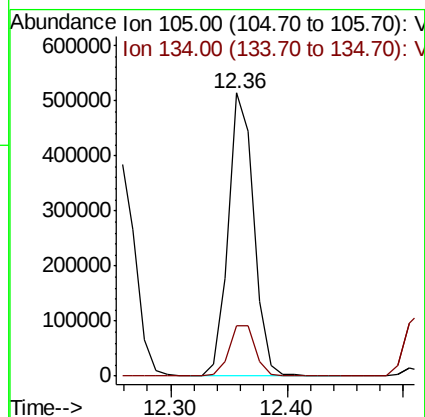
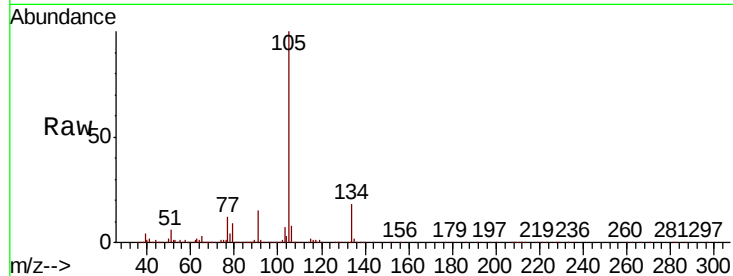




#85
 sec-Butylbenzene
 Concen: 24.861 ug/l
 RT: 12.36 min Scan# 1199
 Delta R.T. -0.01 min
 Lab File: VF062700.D
 Acq: 22 May 2019 12:38

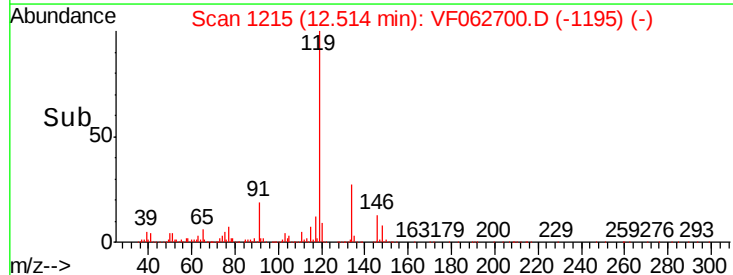
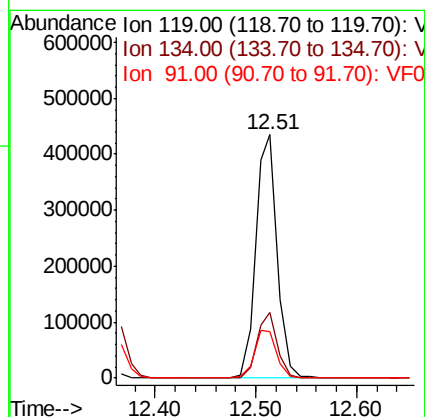
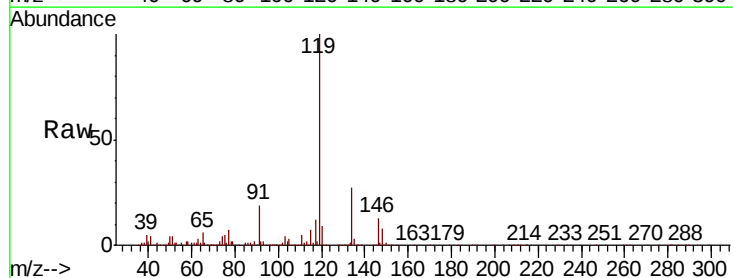
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0522SBS01

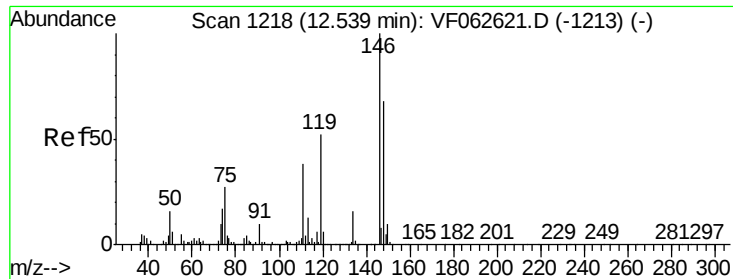
Tot Ion:105 Resp: 780129
 Ion Ratio Lower Upper
 105 100
 134 17.8 10.8 32.4



#86
 p-Isopropyltoluene
 Concen: 24.294 ug/l
 RT: 12.51 min Scan# 1215
 Delta R.T. -0.00 min
 Lab File: VF062700.D
 Acq: 22 May 2019 12:38

Tgt Ion:119 Resp: 642461
 Ion Ratio Lower Upper
 119 100
 134 26.8 14.1 42.3
 91 19.2 11.4 34.2

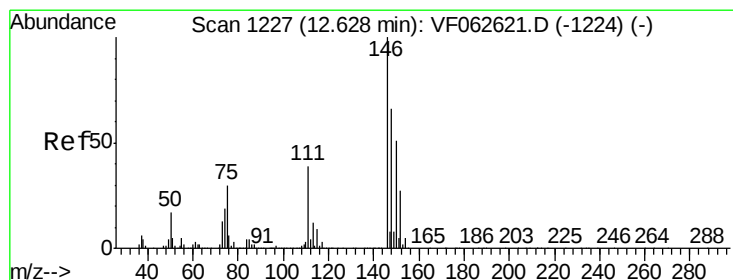
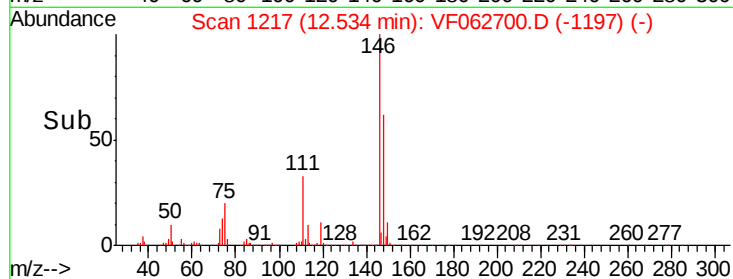
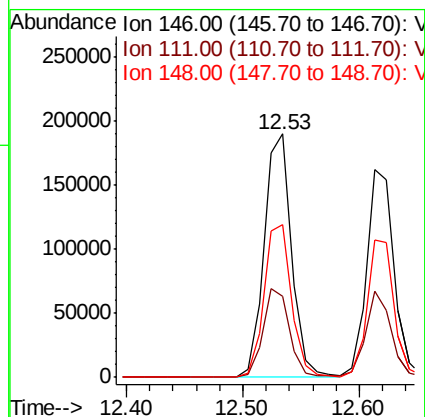
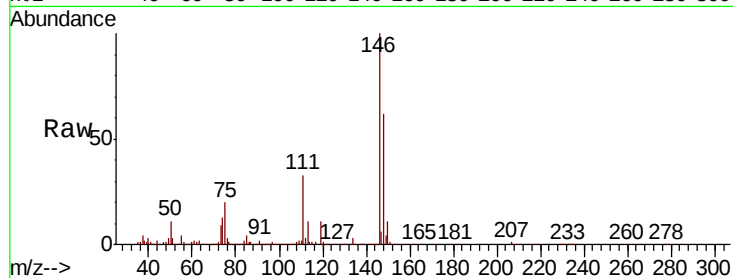




#87
 1,3-Dichlorobenzene
 Concen: 23.859 ug/l
 RT: 12.53 min Scan# 1217
 Delta R.T. -0.00 min
 Lab File: VF062700.D
 Acq: 22 May 2019 12:38

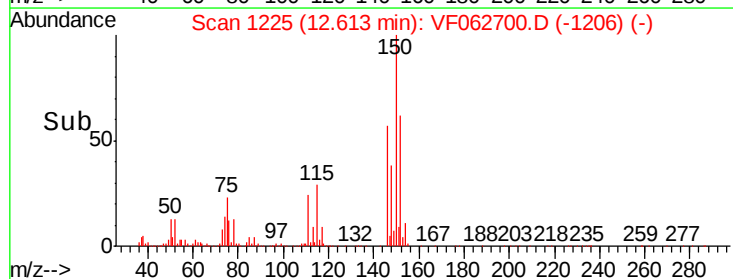
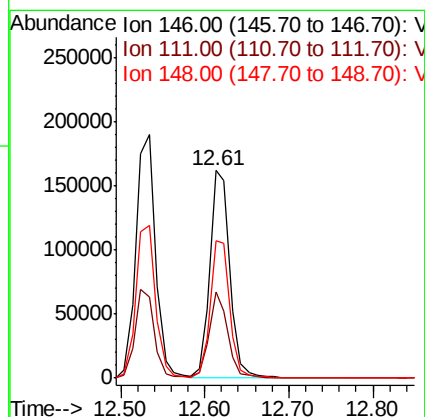
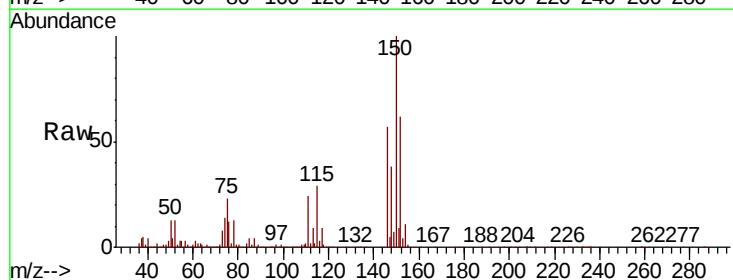
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0522SBSD01

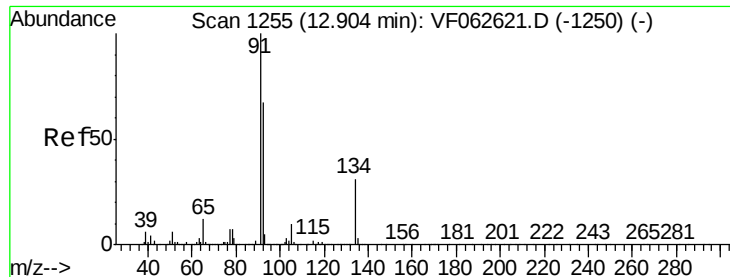
Tot Ion:146 Resp: 308393
 Ion Ratio Lower Upper
 146 100
 111 33.2 18.9 56.9
 148 62.5 34.0 101.8



#88
 1,4-Dichlorobenzene
 Concen: 21.914 ug/l
 RT: 12.61 min Scan# 1225
 Delta R.T. -0.01 min
 Lab File: VF062700.D
 Acq: 22 May 2019 12:38

Tgt Ion:146 Resp: 265819
 Ion Ratio Lower Upper
 146 100
 111 41.7 19.4 58.2
 148 66.4 33.2 99.6

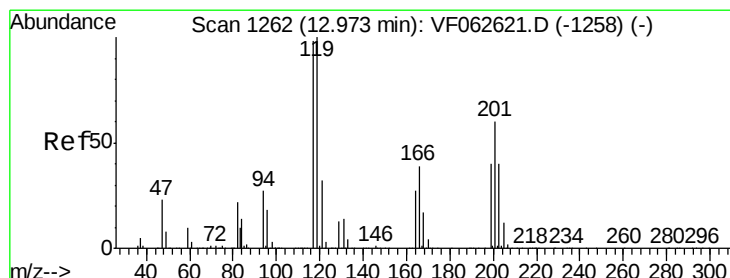
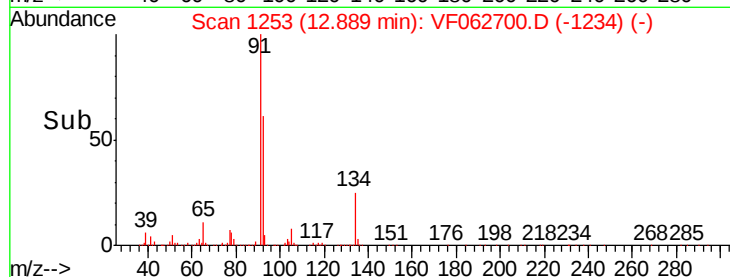
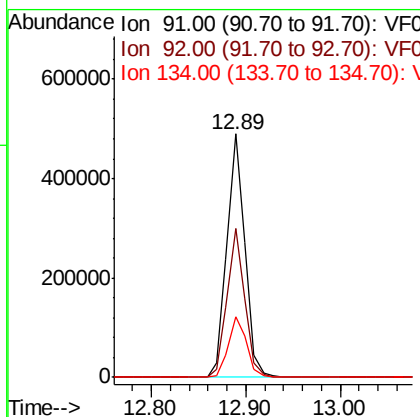
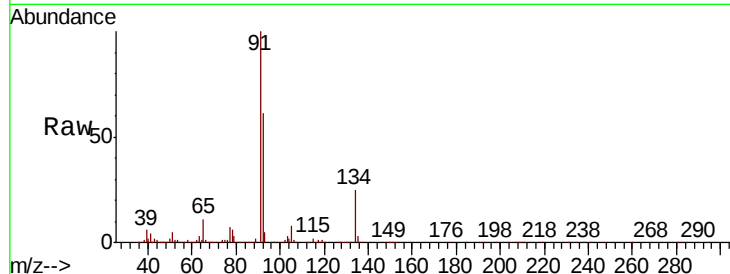




#89
n-Butylbenzene
Concen: 24.727 ug/l
RT: 12.89 min Scan# 1253
Delta R.T. -0.01 min
Lab File: VF062700.D
Acq: 22 May 2019 12:38

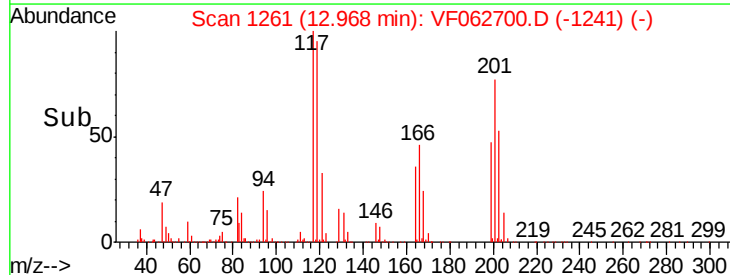
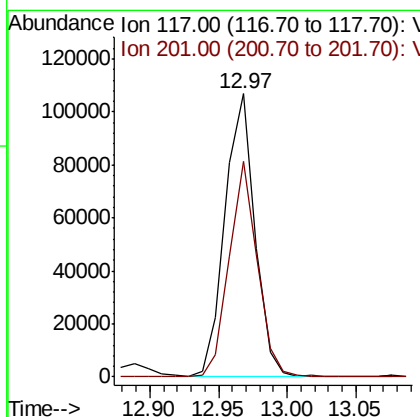
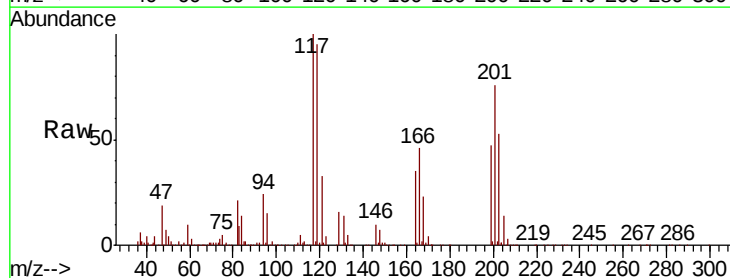
Instrument :
MSVOA_F
ClientSampleId :
VF0522SBS01

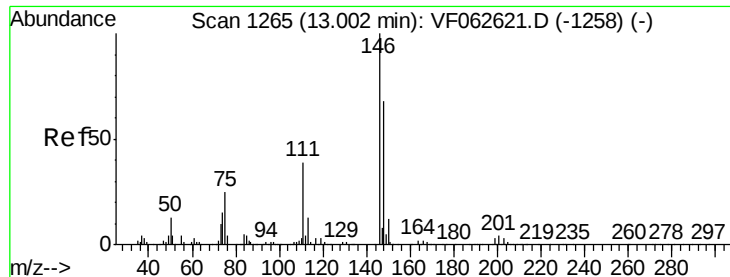
Tot Ion	Ratio	Lower	Upper
91	100		
92	61.3	33.3	99.8
134	24.6	15.4	46.4



#90
Hexachloroethane
Concen: 25.318 ug/l
RT: 12.97 min Scan# 1261
Delta R.T. -0.00 min
Lab File: VF062700.D
Acq: 22 May 2019 12:38

Tgt Ion	Ratio	Lower	Upper
117	100		
201	76.2	30.7	92.1





#91

1,2-Dichlorobenzene

Concen: 23.885 ug/l

RT: 12.99 min Scan# 1263

Delta R.T. -0.01 min

Lab File: VF062700.D

Acq: 22 May 2019 12:38

Instrument :

MSVOA_F

ClientSampleId :

VF0522SBSD01

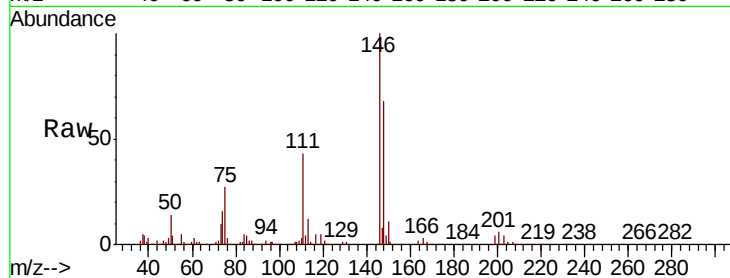
Tot Ion:146 Resp: 275199

Ion Ratio Lower Upper

146 100

111 42.8 19.8 59.3

148 68.1 34.1 102.2

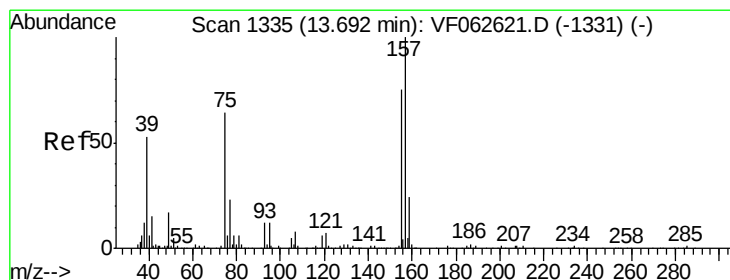
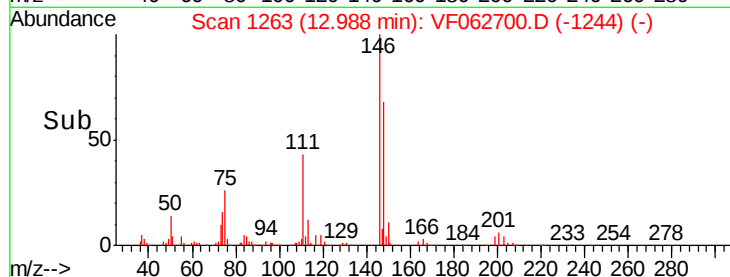
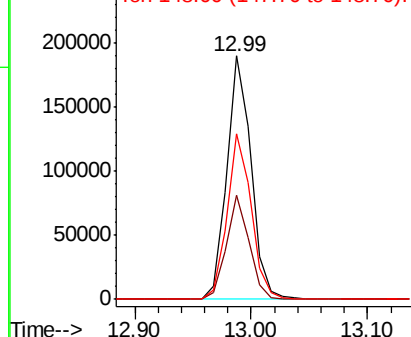


Abundance

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: 26.573 ug/l

RT: 13.68 min Scan# 1333

Delta R.T. -0.01 min

Lab File: VF062700.D

Acq: 22 May 2019 12:38

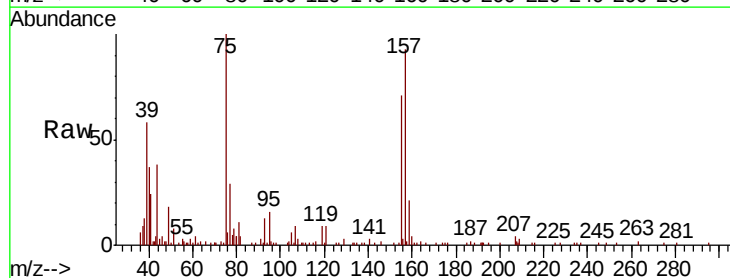
Tgt Ion: 75 Resp: 18621

Ion Ratio Lower Upper

75 100

155 70.6 58.1 174.3

157 95.1 77.8 233.4

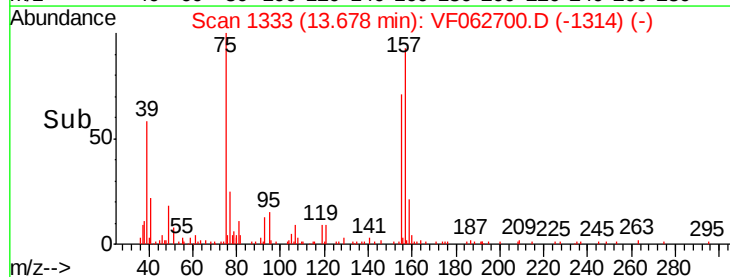
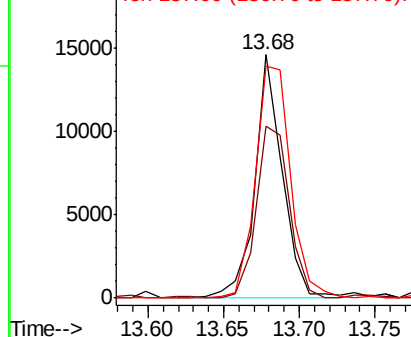


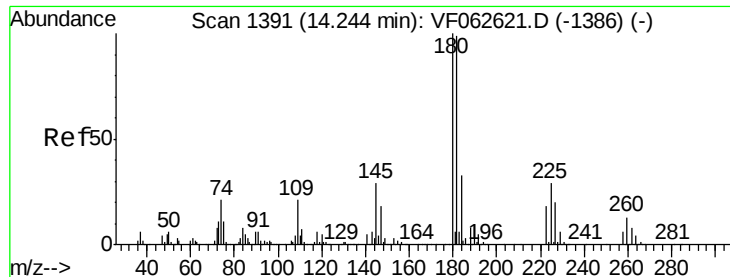
Abundance

Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

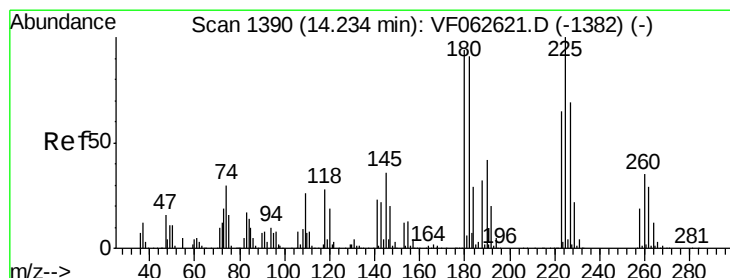
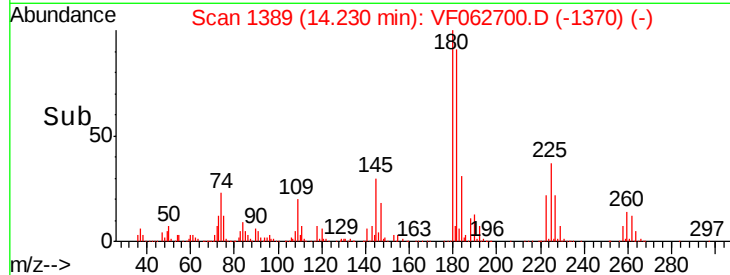
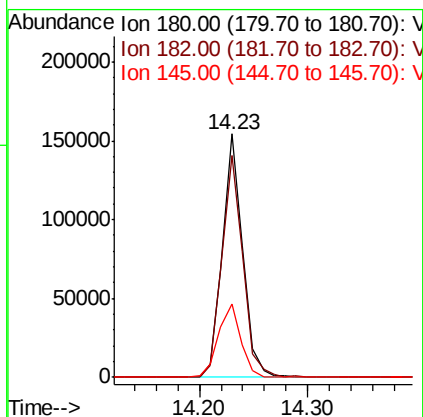
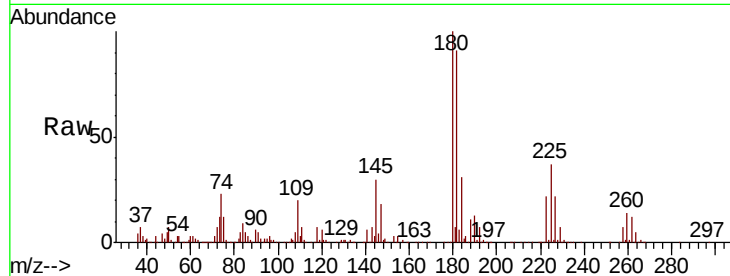




#93
 1,2,4-Trichlorobenzene
 Concen: 24.529 ug/l
 RT: 14.23 min Scan# 1389
 Delta R.T. -0.01 min
 Lab File: VF062700.D
 Acq: 22 May 2019 12:38

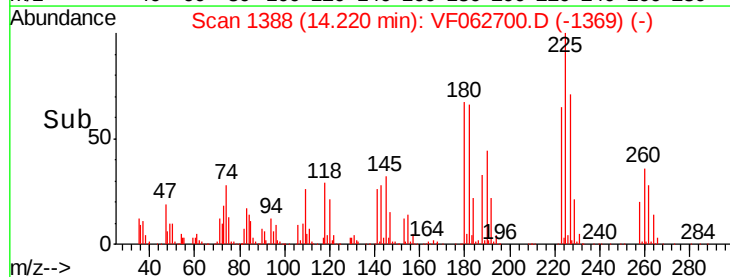
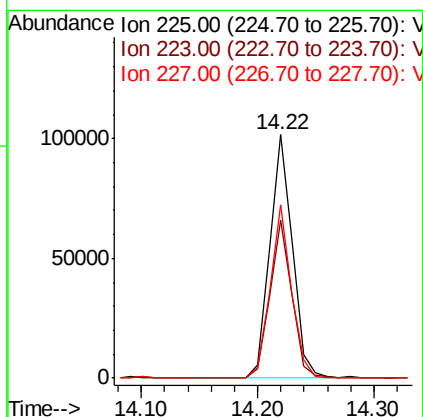
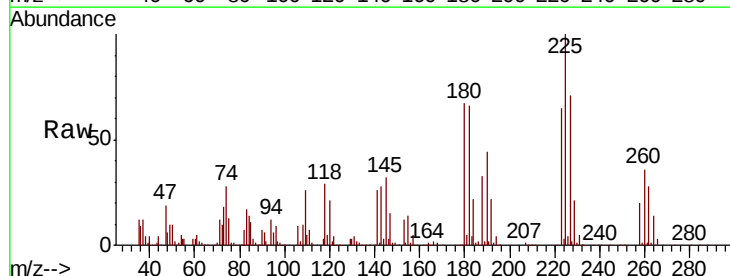
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0522SBS01

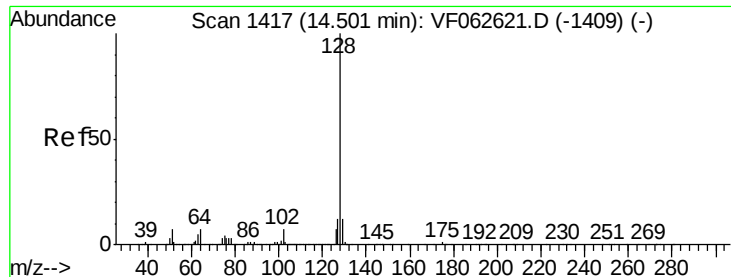
Tot Ion:180 Resp: 202302
 Ion Ratio Lower Upper
 180 100
 182 91.3 49.7 149.1
 145 30.0 14.6 44.0



#94
 Hexachlorobutadiene
 Concen: 23.557 ug/l
 RT: 14.22 min Scan# 1388
 Delta R.T. -0.01 min
 Lab File: VF062700.D
 Acq: 22 May 2019 12:38

Tgt Ion:225 Resp: 135584
 Ion Ratio Lower Upper
 225 100
 223 64.9 32.5 97.4
 227 71.4 34.5 103.5





#95

Naphthalene

Concen: 21.065 ug/l

RT: 14.49 min Scan# 1415

Delta R.T. -0.01 min

Lab File: VF062700.D

Acq: 22 May 2019 12:38

Instrument :

MSVOA_F

ClientSampleId :

VF0522SBS01

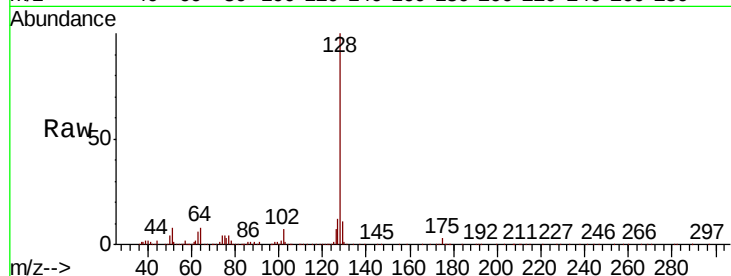
Tot Ion:128 Resp: 315619

Ion Ratio Lower Upper

128 100

127 12.3 9.7 14.5

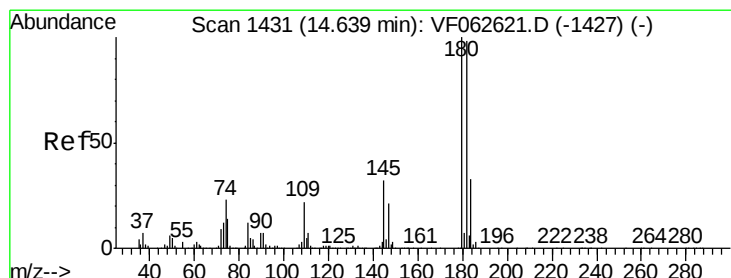
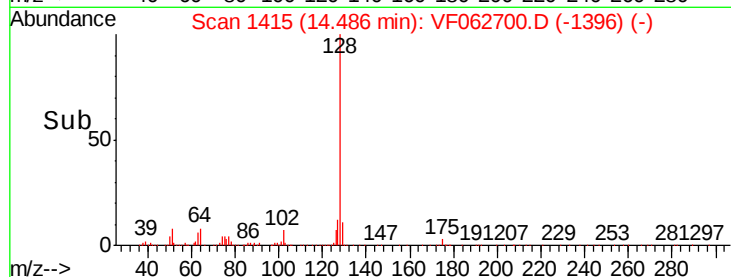
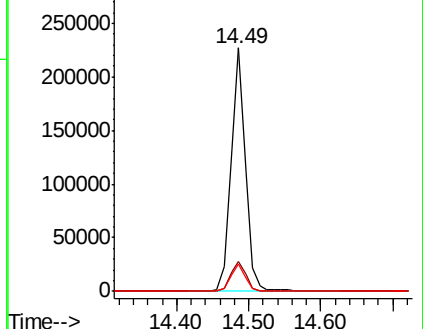
129 11.2 9.3 13.9



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: 23.073 ug/l

RT: 14.63 min Scan# 1430

Delta R.T. -0.00 min

Lab File: VF062700.D

Acq: 22 May 2019 12:38

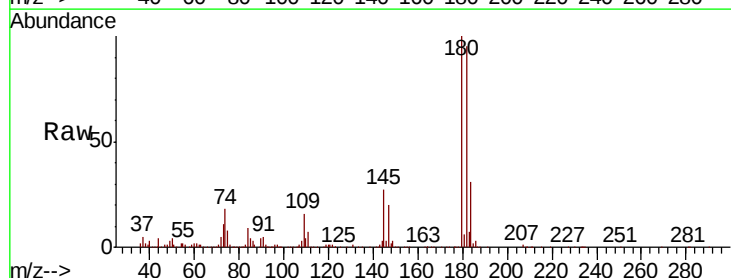
Tgt Ion:180 Resp: 180246

Ion Ratio Lower Upper

180 100

182 95.5 48.9 146.7

145 26.5 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

