

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052819\
 Data File : VF062760.D
 Acq On : 28 May 2019 14:56
 Operator : FY/SY
 Sample : VF0528SBSD01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0528SBSD02

Quant Time: May 29 01:46:55 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	5.07	168	860451	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.79	114	1386224	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	1041894	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	505177	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.05	65	267676	44.02	ug/l	0.02
Spiked Amount			Recovery	=	88.04%	
35) Dibromofluoromethane	4.32	113	508193	47.91	ug/l	0.00
Spiked Amount			Recovery	=	95.82%	
50) Toluene-d8	7.73	98	1158969	45.76	ug/l	0.02
Spiked Amount			Recovery	=	91.52%	
62) 4-Bromofluorobenzene	11.51	95	437743	45.57	ug/l	0.00
Spiked Amount			Recovery	=	91.14%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.01	85	191355	16.342	ug/l	99
3) Chloromethane	1.15	50	165318	15.333	ug/l	97
4) Vinyl Chloride	1.20	62	159529	16.074	ug/l	97
5) Bromomethane	1.41	94	85308	15.712	ug/l	95
6) Chloroethane	1.47	64	56818	15.588	ug/l #	84
7) Trichlorofluoromethane	1.57	101	234919	17.629	ug/l	100
8) Diethyl Ether	1.72	74	47557	18.014	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	1.94	101	152222	17.939	ug/l	96
10) Methyl Iodide	2.01	142	235975	14.157	ug/l	96
11) Tert butyl alcohol	2.72	59	37686	93.879	ug/l #	77
12) 1,1-Dichloroethene	1.89	96	141612	18.321	ug/l	97
13) Acrolein	2.12	56	23771	56.728	ug/l	99
14) Allyl chloride	2.20	41	113613	16.240	ug/l	93
15) Acrylonitrile	3.10	53	150597	132.993	ug/l	93
16) Acetone	2.36	43	120626	76.469	ug/l #	88
17) Carbon Disulfide	1.93	76	288404	12.588	ug/l	96
18) Methyl Acetate	2.47	43	46846	18.898	ug/l	95
19) Methyl tert-butyl Ether	2.56	73	284807	20.611	ug/l	95
20) Methylene Chloride	2.36	84	101935	12.892	ug/l	89
21) trans-1,2-Dichloroethene	2.43	96	145637	19.277	ug/l	90
22) Diisopropyl ether	2.95	45	338825	19.637	ug/l	99
23) Vinyl Acetate	3.36	43	1151198	98.906	ug/l	99
24) 1,1-Dichloroethane	3.02	63	260507	20.581	ug/l	98
25) 2-Butanone	4.55	43	337538	100.154	ug/l	95
26) 2,2-Dichloropropane	3.79	77	150868	20.832	ug/l	92
27) cis-1,2-Dichloroethene	3.66	96	264602	21.292	ug/l	96
28) Bromochloromethane	3.93	49	136571	19.238	ug/l	97
29) Tetrahydrofuran	4.29	42	132393	97.076	ug/l	98
30) Chloroform	4.07	83	375919	21.391	ug/l	96
31) Cyclohexane	3.90	56	207383	12.202	ug/l	90
32) 1,1,1-Trichloroethane	4.31	97	236664	20.277	ug/l	98
36) 1,1-Dichloropropene	4.49	75	294644	20.743	ug/l	94
37) Ethyl Acetate	4.32	43	112503	19.398	ug/l	84
38) Carbon Tetrachloride	4.21	117	195712	18.320	ug/l	97

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 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleID :
 VF0528SBSD02

Quant Time: May 29 01:46:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F051619S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 05:49:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.65	83	356571	20.862	ug/l	93
40) Benzene	4.84	78	899772	23.252	ug/l	100
41) Methacrylonitrile	4.96	41	57360	18.864	ug/l	95
42) 1,2-Dichloroethane	5.15	62	158084	20.486	ug/l	93
43) Isopropyl Acetate	7.13	43	143429	19.089	ug/l	91
44) Trichloroethene	5.70	130	246421	22.657	ug/l	98
45) 1,2-Dichloropropane	6.42	63	221162	22.640	ug/l	97
46) Dibromomethane	6.29	93	120931	21.421	ug/l	96
47) Bromodichloromethane	6.57	83	261793	22.337	ug/l	98
48) Methyl methacrylate	6.90	41	72927	18.569	ug/l	96
49) 1,4-Dioxane	6.91	88	18887	375.481	ug/l #	85
51) 4-Methyl-2-Pentanone	8.42	43	542504	105.629	ug/l	100
52) Toluene	7.80	92	445525	21.953	ug/l	91
53) t-1,3-Dichloropropene	8.44	75	202932	21.164	ug/l	94
54) cis-1,3-Dichloropropene	7.48	75	313944	23.390	ug/l	99
55) 1,1,2-Trichloroethane	8.65	97	138013	22.968	ug/l	96
56) Ethyl methacrylate	8.77	69	138774	19.385	ug/l	94
57) 1,3-Dichloropropane	9.02	76	218761	21.374	ug/l	93
58) 2-Chloroethyl Vinyl ether	7.47	63	247614	106.262	ug/l	96
59) 2-Hexanone	9.64	43	380654	103.469	ug/l	99
60) Dibromochloromethane	8.88	129	168589	21.527	ug/l	92
61) 1,2-Dibromoethane	9.15	107	138585	21.714	ug/l	93
64) Tetrachloroethene	8.33	164	181211	21.954	ug/l	98
65) Chlorobenzene	9.95	112	458848	22.422	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.08	131	195102	23.749	ug/l	97
67) Ethyl Benzene	10.05	91	821491	23.108	ug/l	99
68) m/p-Xylenes	10.28	106	611353	45.756	ug/l	86
69) o-Xylene	10.83	106	309977	22.524	ug/l	94
70) Styrene	10.91	104	455182	21.761	ug/l	97
71) Bromoform	10.89	173	87420	21.247	ug/l #	98
73) Isopropylbenzene	11.22	105	842133	23.259	ug/l	95
74) N-amyl acetate	11.46	43	236081	22.678	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.78	83	159674	21.579	ug/l	99
76) 1,2,3-Trichloropropane	11.88	75	100525	20.676	ug/l	96
77) Bromobenzene	11.59	156	191776	21.309	ug/l	93
78) n-propylbenzene	11.69	91	980523	22.883	ug/l	94
79) 2-Chlorotoluene	11.81	91	533739	22.102	ug/l	98
80) 1,3,5-Trimethylbenzene	11.90	105	658748	22.690	ug/l	92
81) trans-1,4-Dichloro-2-buten	11.95	75	58939	27.272	ug/l	98
82) 4-Chlorotoluene	11.98	91	533680	22.411	ug/l	97
83) tert-Butylbenzene	12.21	119	670845	22.775	ug/l	95
84) 1,2,4-Trimethylbenzene	12.28	105	643019	22.884	ug/l	93
85) sec-Butylbenzene	12.38	105	892691	22.583	ug/l	95
86) p-Isopropyltoluene	12.53	119	756687	22.714	ug/l	97
87) 1,3-Dichlorobenzene	12.55	146	351956	21.615	ug/l	95
88) 1,4-Dichlorobenzene	12.63	146	334792	21.910	ug/l	98
89) n-Butylbenzene	12.91	91	767597	23.370	ug/l	94
90) Hexachloroethane	12.99	117	183042	22.905	ug/l	70
91) 1,2-Dichlorobenzene	13.01	146	318624	21.952	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.70	75	18703	21.188	ug/l	87

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Misc : 5.00µ/5mL/MSVOA F/SOIL
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Instrument :
MSVOA_F
ClientSampleId :
VF0528SBSD02

Quant Time: May 29 01:46:55 2019
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Quant Title : SW846 8260
QLast Update : Fri May 17 05:49:09 2019
Response via : Initial Calibration

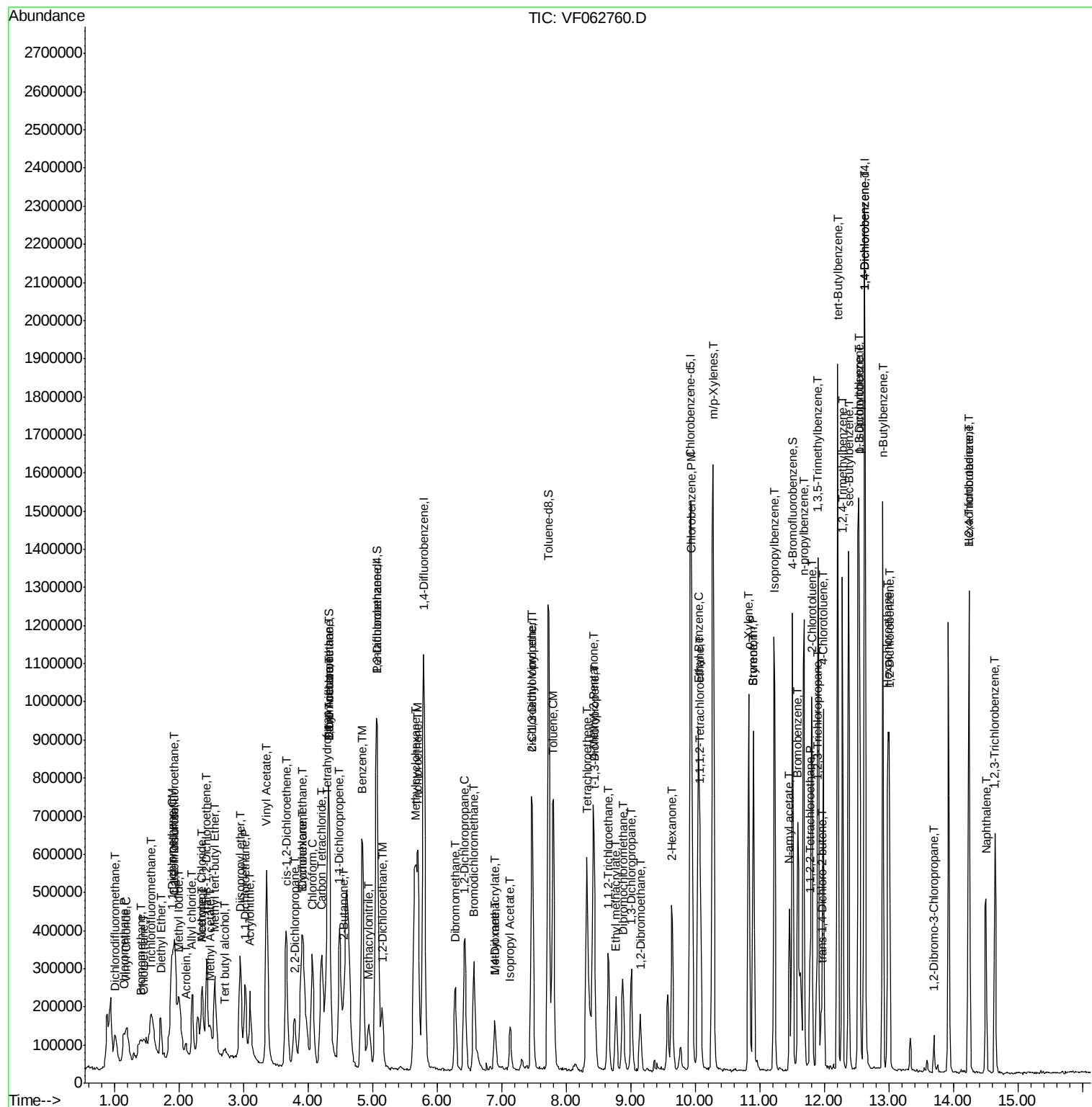
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	202395	19.481	µg/l	98
94) Hexachlorobutadiene	14.24	225	144130	19.879	µg/l	96
95) Naphthalene	14.51	128	347201	18.395	µg/l	99
96) 1,2,3-Trichlorobenzene	14.64	180	186326	18.934	µg/l	99

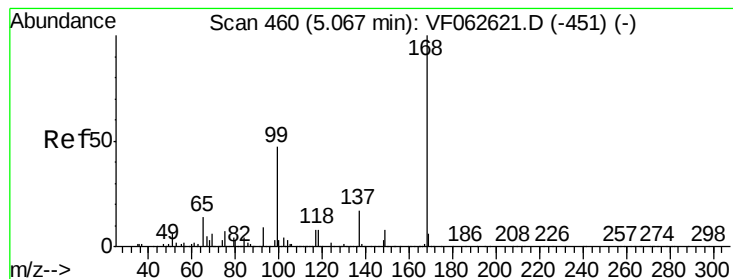
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF052819\
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Quant Title : SW846 8260
QLast Update : Fri May 17 05:49:09 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.07 min Scan# 460

Delta R.T. 0.01 min

Lab File: VF062760.D

Acq: 28 May 2019 14:56

Instrument :

MSVOA_F

ClientSampleId :

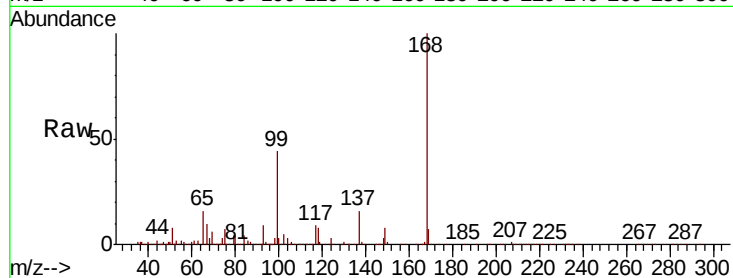
VF0528SBSD02

Tot Ion:168 Resp: 860451

Ion Ratio Lower Upper

168 100

99 43.9 37.8 56.8



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.07

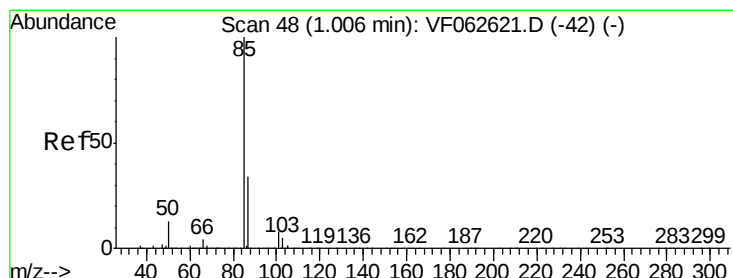
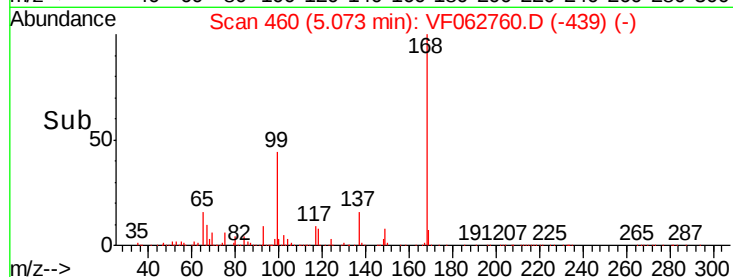
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 16.342 ug/l

RT: 1.01 min Scan# 48

Delta R.T. 0.01 min

Lab File: VF062760.D

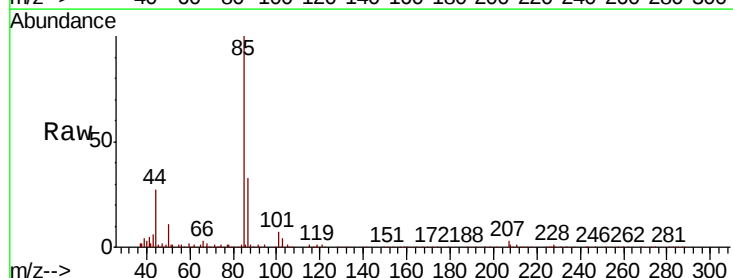
Acq: 28 May 2019 14:56

Tgt Ion: 85 Resp: 191355

Ion Ratio Lower Upper

85 100

87 32.9 16.8 50.3



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

1.01

50000

40000

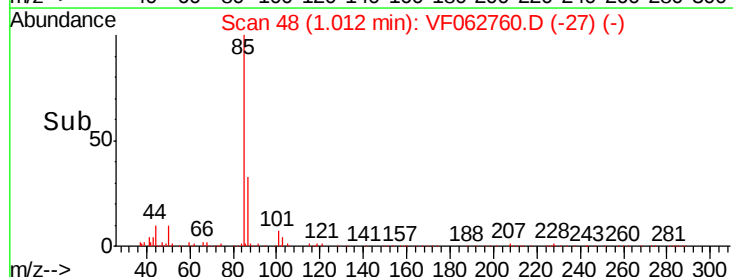
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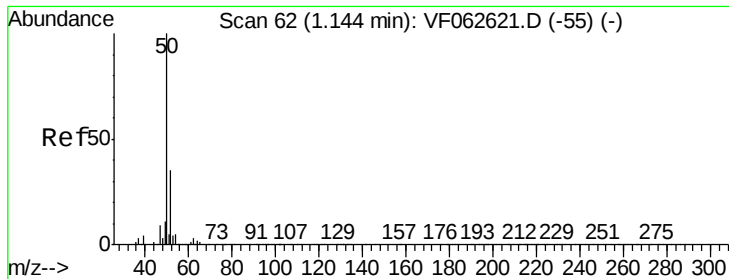
20000

10000

0

Time-->





#3

Chloromethane

Concen: 15.333 ug/l

RT: 1.15 min Scan# 62

Delta R.T. 0.01 min

Lab File: VF062760.D

Acq: 28 May 2019 14:56

Instrument :

MSVOA_F

ClientSampleId :

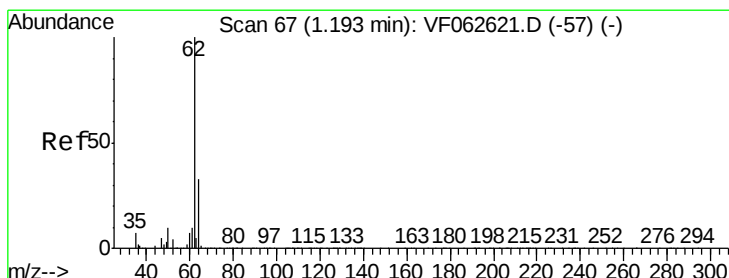
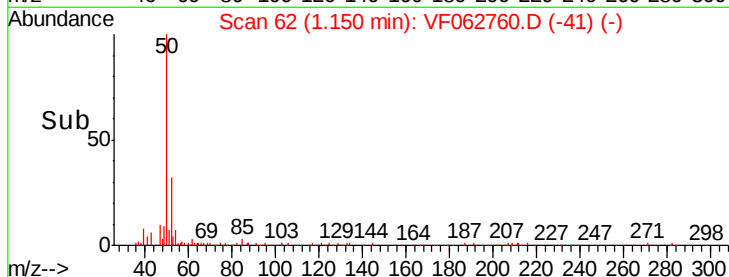
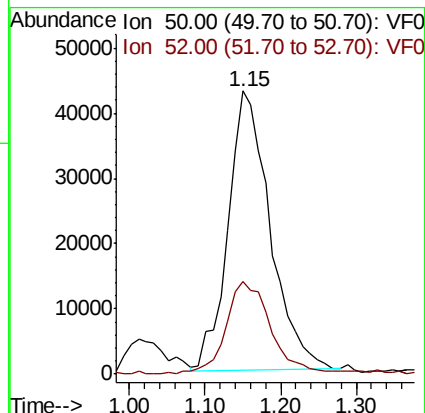
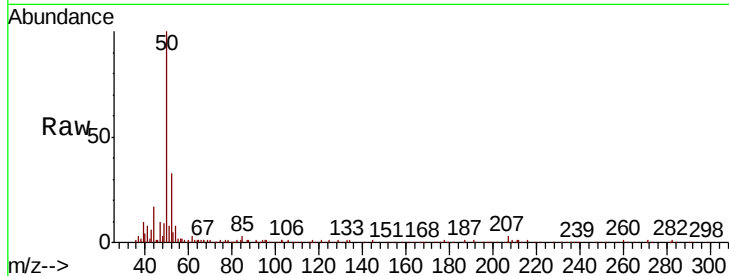
VF0528SBSD02

Tot Ion: 50 Resp: 165318

Ion Ratio Lower Upper

50 100

52 32.7 27.5 41.3



#4

Vinyl Chloride

Concen: 16.074 ug/l

RT: 1.20 min Scan# 67

Delta R.T. 0.01 min

Lab File: VF062760.D

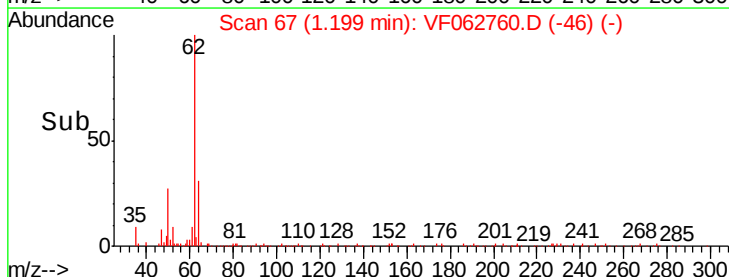
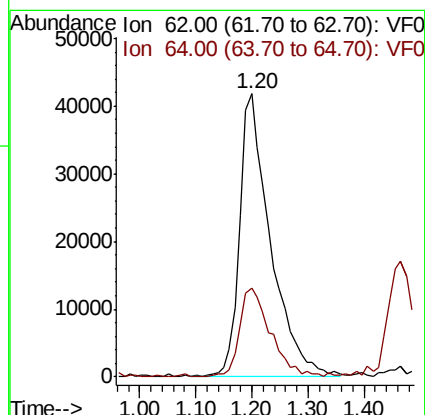
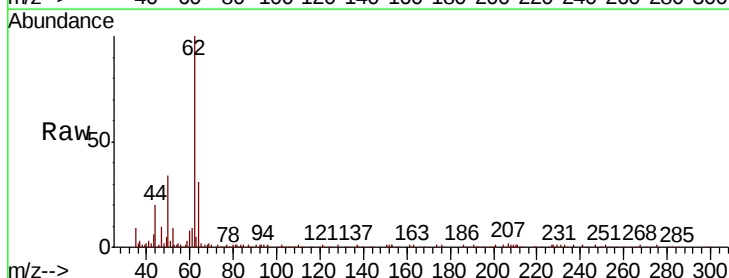
Acq: 28 May 2019 14:56

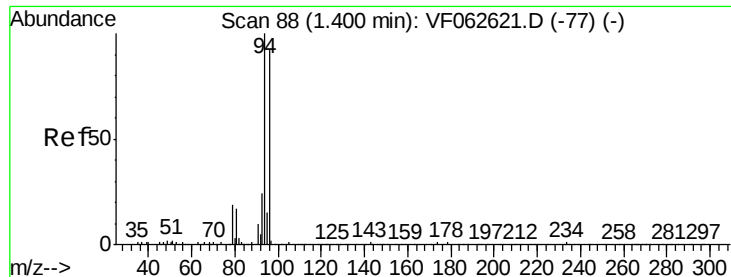
Tgt Ion: 62 Resp: 159529

Ion Ratio Lower Upper

62 100

64 31.4 26.7 40.1





#5

Bromomethane

Concen: 15.712 ug/l

RT: 1.41 min Scan# 88

Delta R.T. 0.01 min

Lab File: VF062760.D

Acq: 28 May 2019 14:56

Instrument :

MSVOA_F

ClientSampleId :

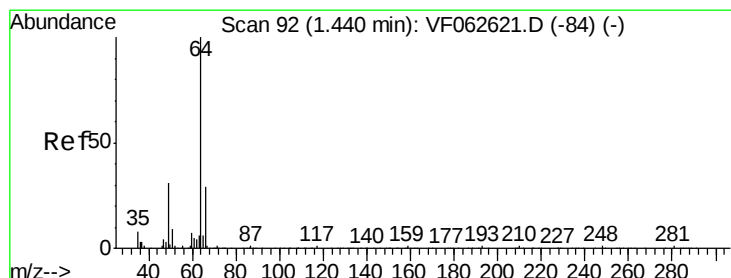
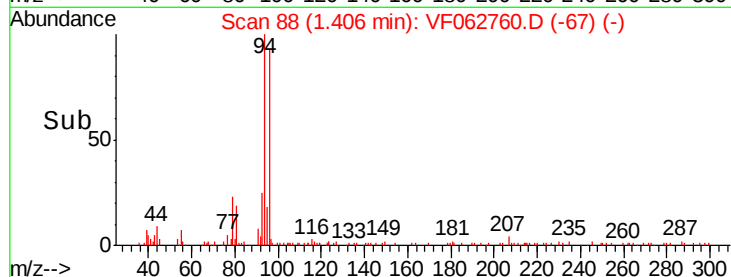
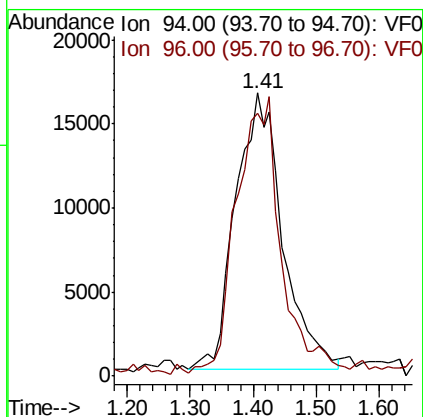
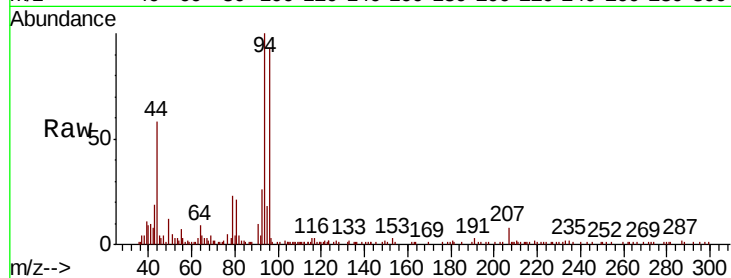
VF0528SBSD02

Tot Ion: 94 Resp: 85308

Ion Ratio Lower Upper

94 100

96 96.1 73.2 109.8



#6

Chloroethane

Concen: 15.588 ug/l

RT: 1.47 min Scan# 94

Delta R.T. 0.03 min

Lab File: VF062760.D

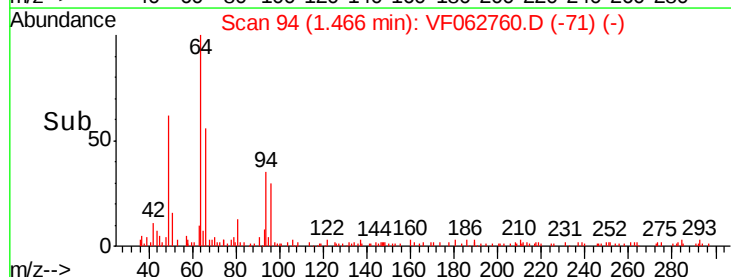
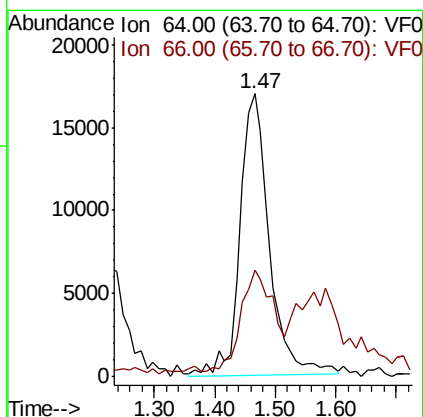
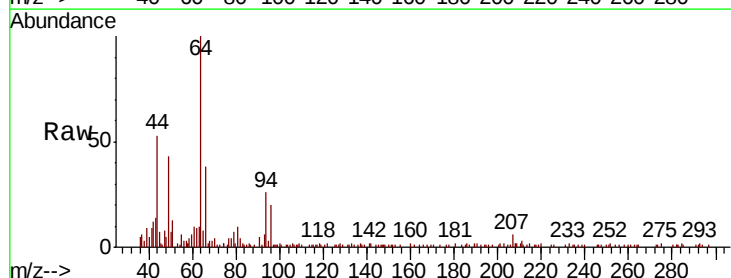
Acq: 28 May 2019 14:56

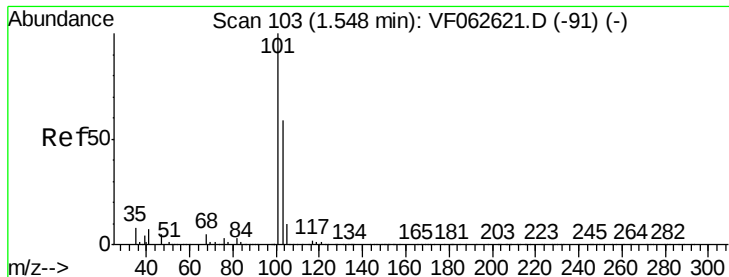
Tgt Ion: 64 Resp: 56818

Ion Ratio Lower Upper

64 100

66 37.7 23.4 35.2#



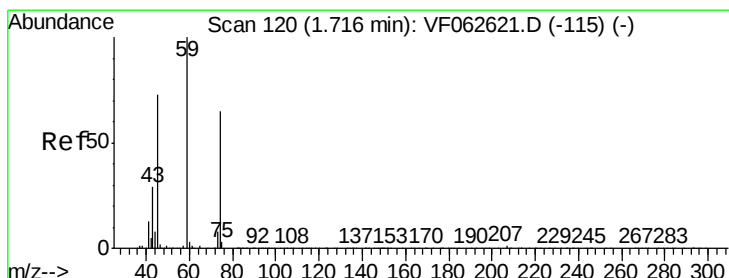
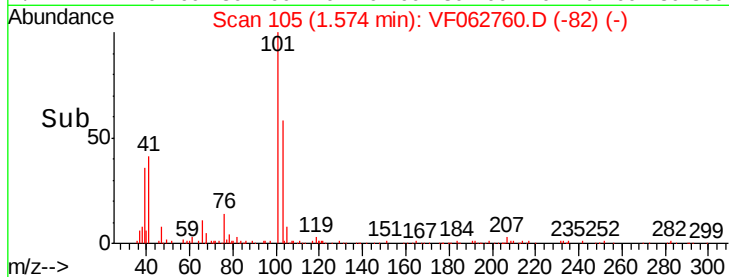
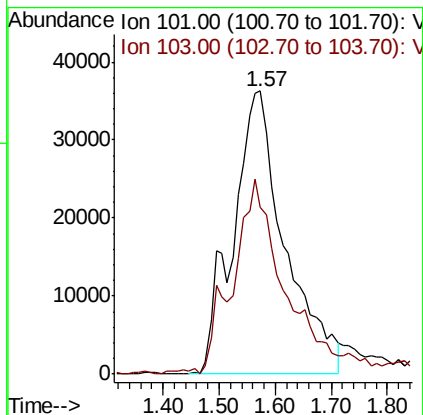
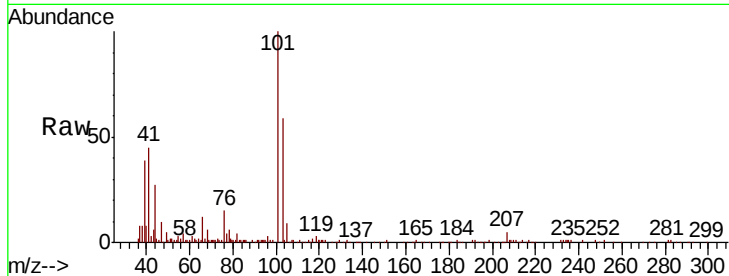


#7

Trichlorofluoromethane
Concen: 17.629 ug/l
RT: 1.57 min Scan# 105
Delta R.T. 0.03 min
Lab File: VF062760.D
Acq: 28 May 2019 14:56

Instrument :
MSVOA_F
ClientSampleId :
VF0528SBSD02

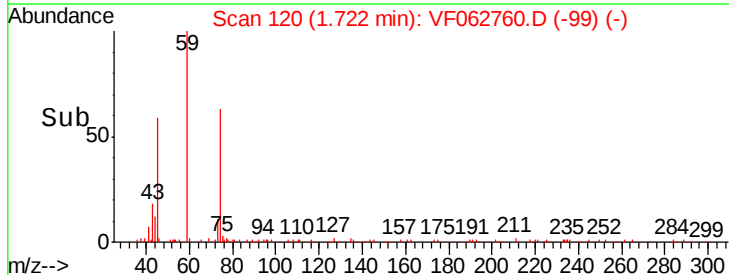
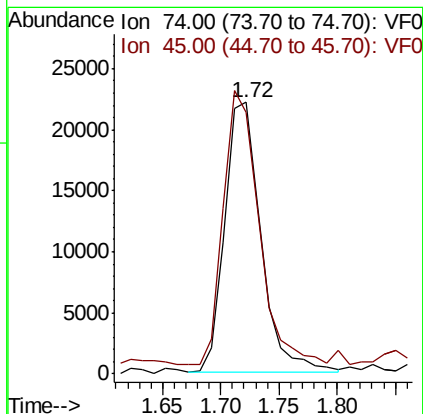
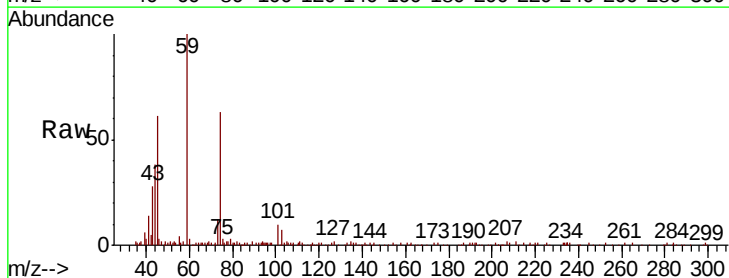
Tot Ion:101 Resp: 234919
Ion Ratio Lower Upper
101 100
103 59.1 47.3 70.9

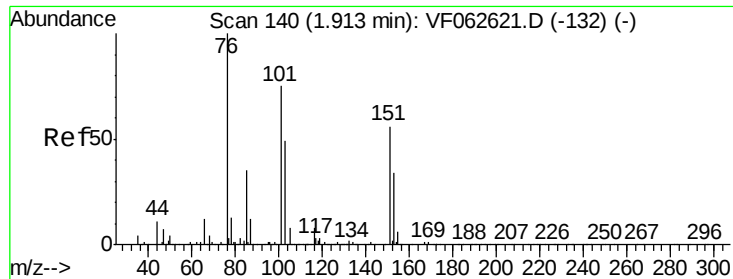


#8

Diethyl Ether
Concen: 18.014 ug/l
RT: 1.72 min Scan# 120
Delta R.T. 0.01 min
Lab File: VF062760.D
Acq: 28 May 2019 14:56

Tgt Ion: 74 Resp: 47557
Ion Ratio Lower Upper
74 100
45 96.3 57.0 170.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.939 ug/l

RT: 1.94 min Scan# 142

Delta R.T. 0.03 min

Lab File: VF062760.D

Acq: 28 May 2019 14:56

Instrument :

MSVOA_F

ClientSampleId :

VF0528SBS02

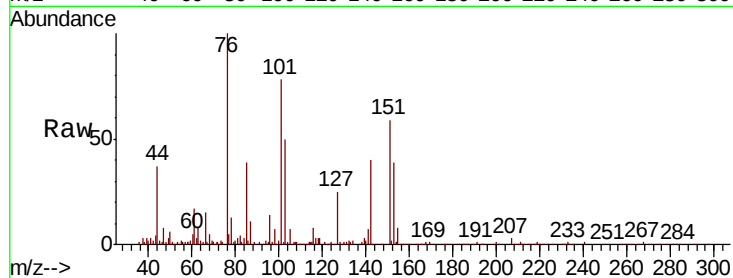
Tot Ion:101 Resp: 152222

Ion Ratio Lower Upper

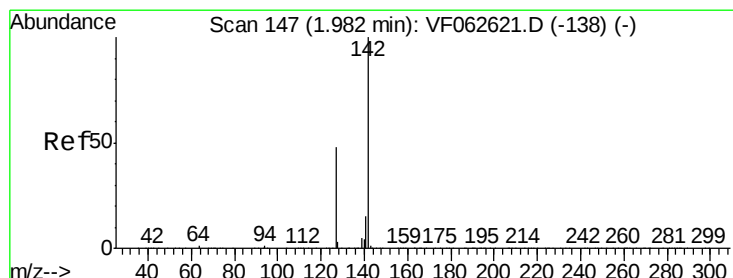
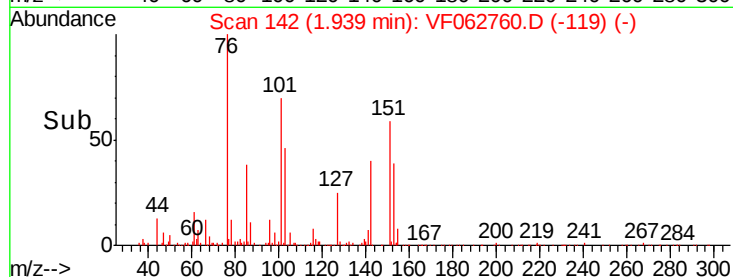
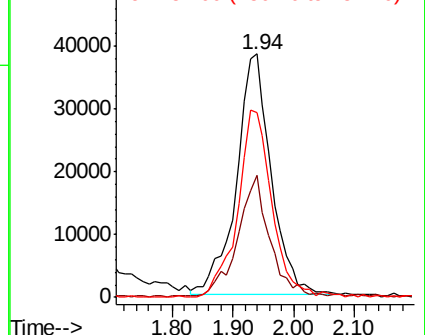
101 100

85 50.0 37.1 55.7

151 75.8 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: 14.157 ug/l

RT: 2.01 min Scan# 149

Delta R.T. 0.03 min

Lab File: VF062760.D

Acq: 28 May 2019 14:56

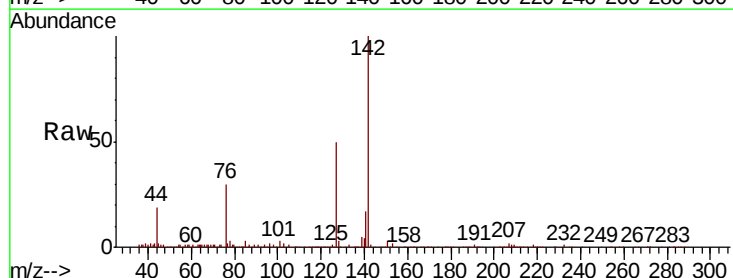
Tgt Ion:142 Resp: 235975

Ion Ratio Lower Upper

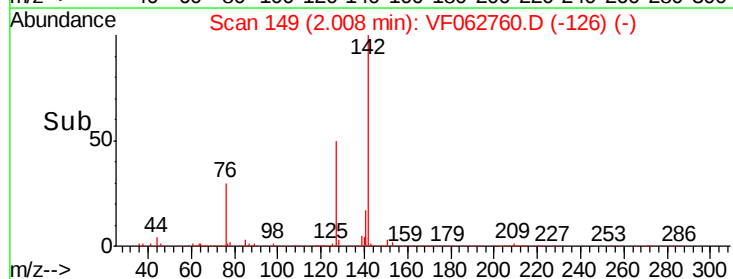
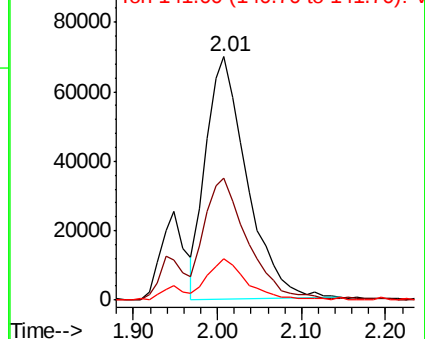
142 100

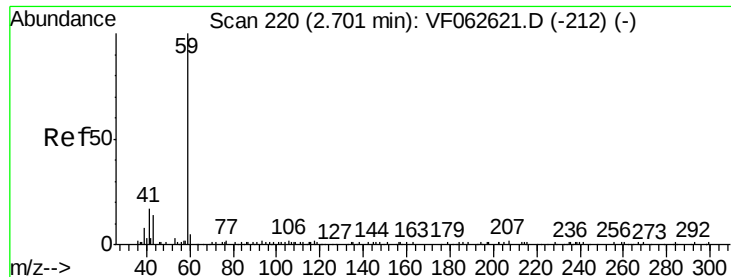
127 50.0 38.1 57.1

141 16.8 11.7 17.5



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

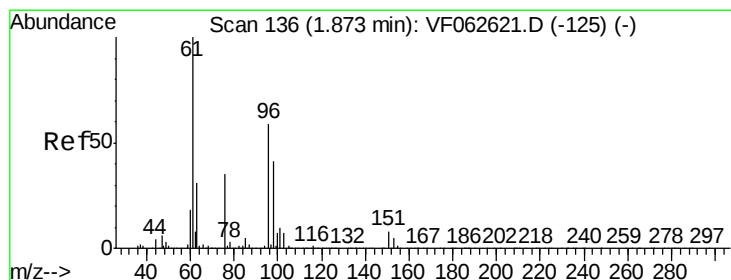
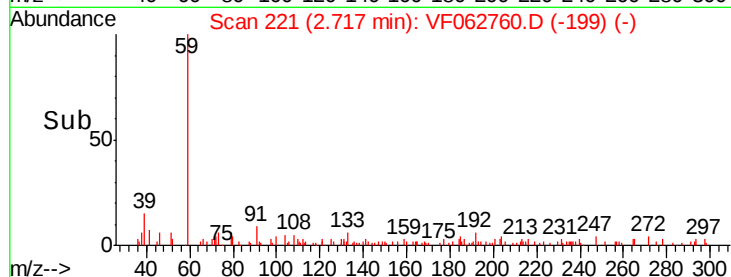
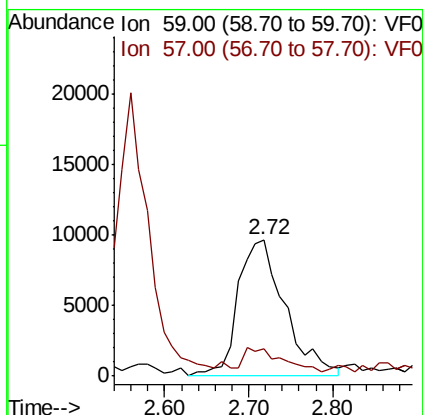
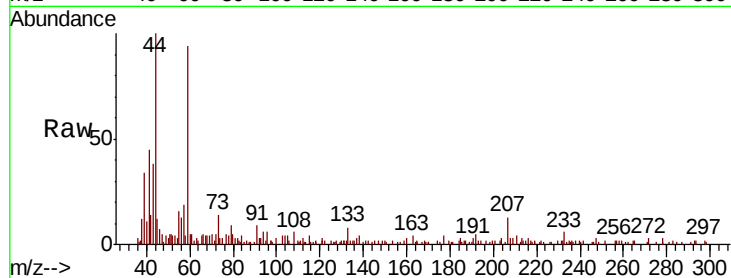




#11
Tert butyl alcohol
Concen: 93.879 ug/l
RT: 2.72 min Scan# 221
Delta R.T. 0.02 min
Lab File: VF062760.D
Acq: 28 May 2019 14:56

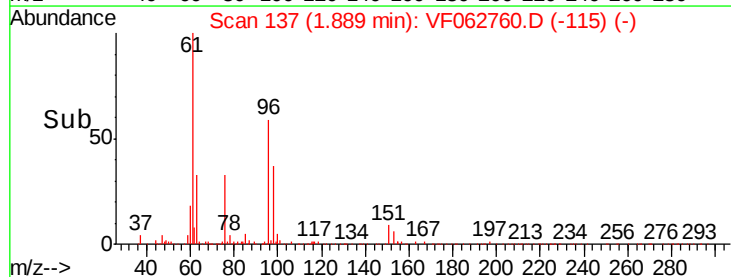
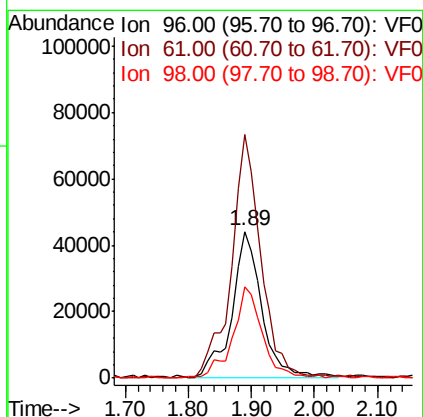
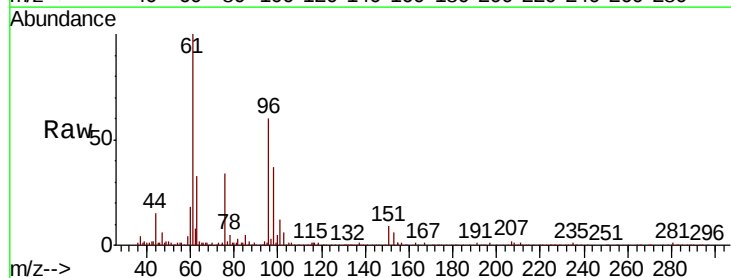
Instrument :
MSVOA_F
ClientSampleId :
VF0528SBS02

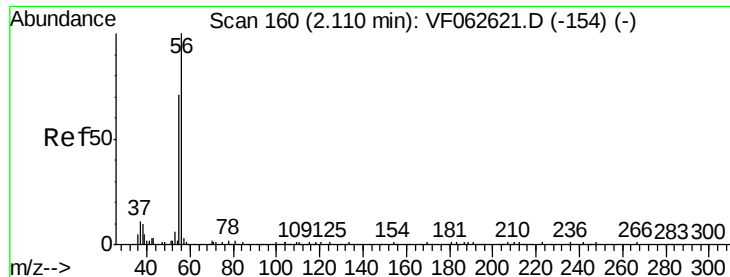
Tot Ion: 59 Resp: 37686
Ion Ratio Lower Upper
59 100
57 20.5 9.3 13.9#



#12
1,1-Dichloroethene
Concen: 18.321 ug/l
RT: 1.89 min Scan# 137
Delta R.T. 0.02 min
Lab File: VF062760.D
Acq: 28 May 2019 14:56

Tgt Ion: 96 Resp: 141612
Ion Ratio Lower Upper
96 100
61 166.1 134.3 201.5
98 61.9 55.0 82.6





#13

Acrolein

Concen: 56.728 ug/l

RT: 2.12 min Scan# 160

Delta R.T. 0.01 min

Lab File: VF062760.D

Acq: 28 May 2019 14:56

Instrument :

MSVOA_F

ClientSampleId :

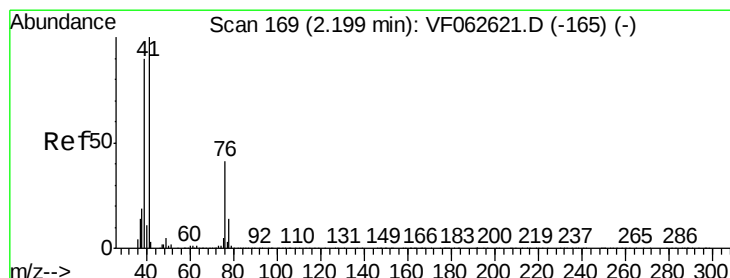
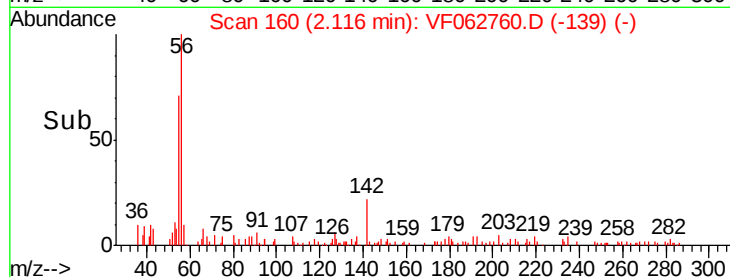
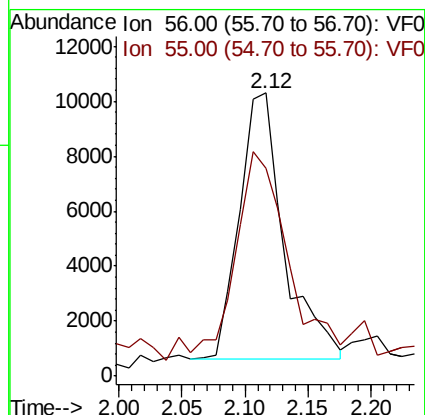
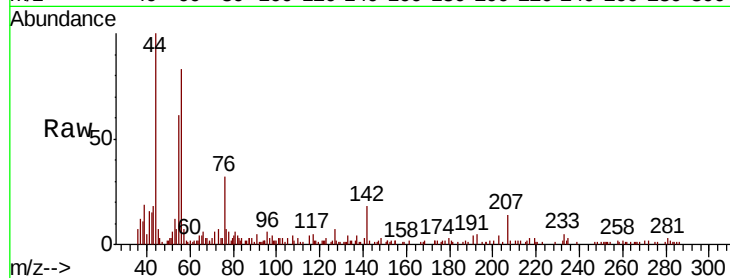
VF0528SBSD02

Tot Ion: 56 Resp: 23771

Ion Ratio Lower Upper

56 100

55 73.4 59.4 89.0



#14

Allyl chloride

Concen: 16.240 ug/l

RT: 2.20 min Scan# 169

Delta R.T. 0.01 min

Lab File: VF062760.D

Acq: 28 May 2019 14:56

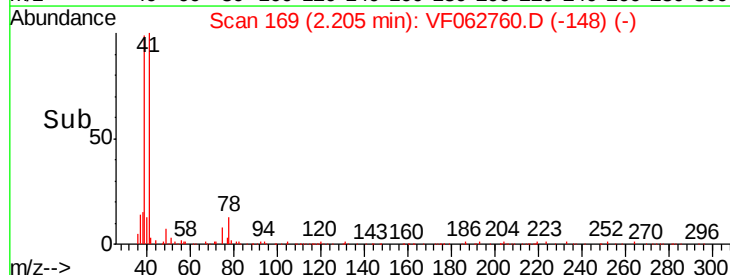
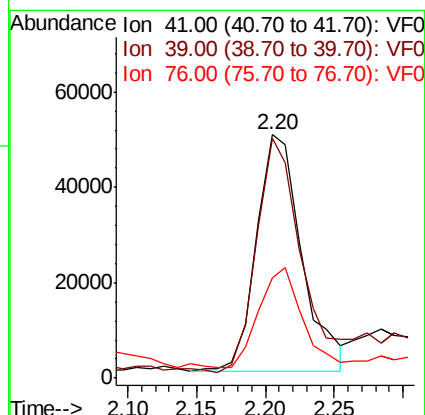
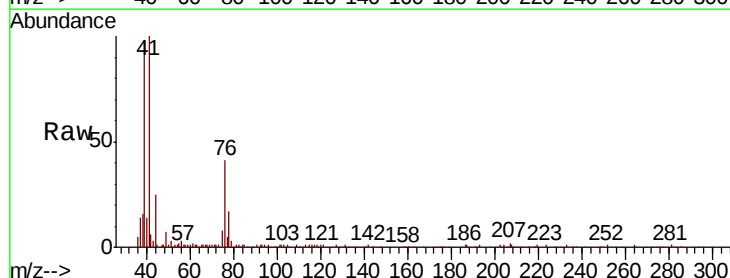
Tgt Ion: 41 Resp: 113613

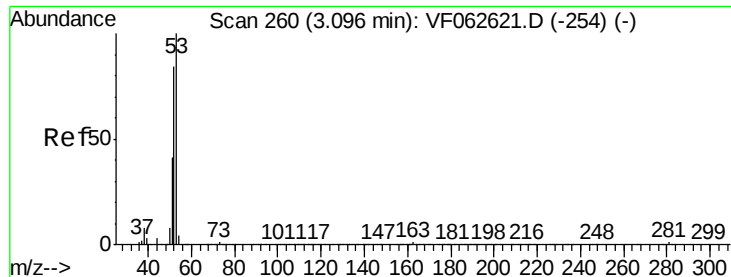
Ion Ratio Lower Upper

41 100

39 98.2 72.0 108.0

76 41.3 34.8 52.2





#15

Acrylonitrile

Concen: 132.993 ug/l

RT: 3.10 min Scan# 260

Delta R.T. 0.01 min

Lab File: VF062760.D

Acq: 28 May 2019 14:56

Instrument :

MSVOA_F

ClientSampleId :

VF0528SBS02

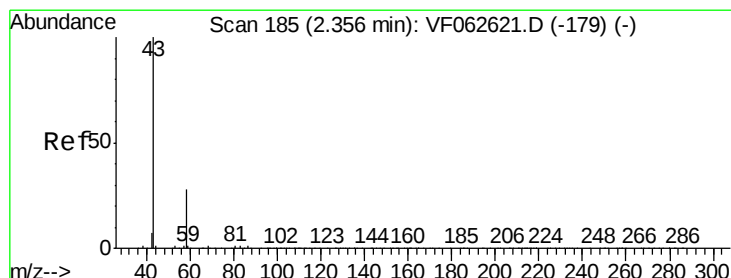
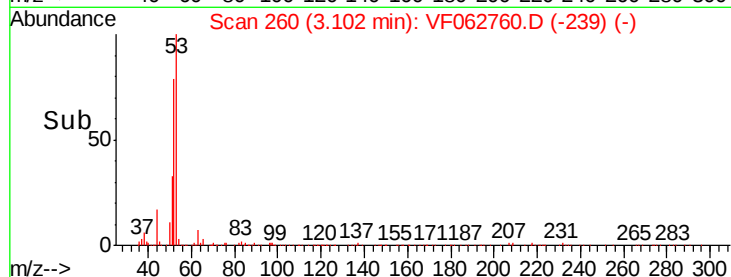
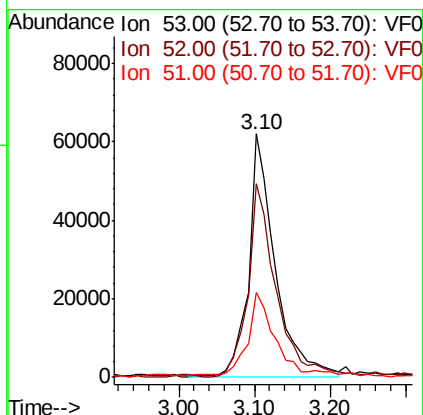
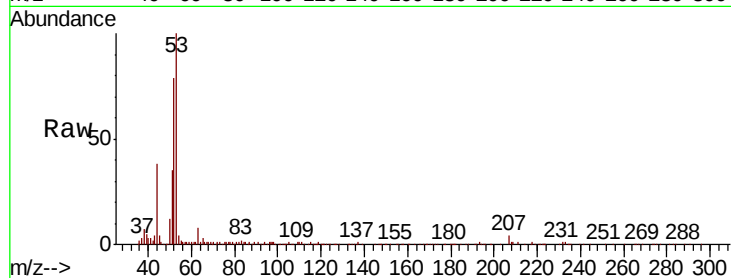
Tot Ion: 53 Resp: 150597

Ion Ratio Lower Upper

53 100

52 79.4 67.3 100.9

51 34.8 33.0 49.6



#16

Acetone

Concen: 76.469 ug/l

RT: 2.36 min Scan# 185

Delta R.T. 0.01 min

Lab File: VF062760.D

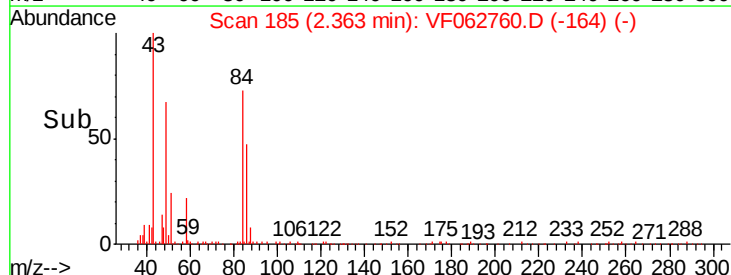
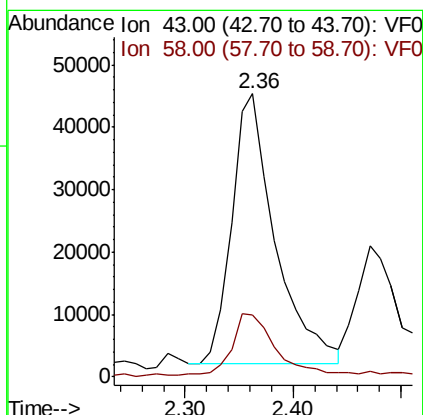
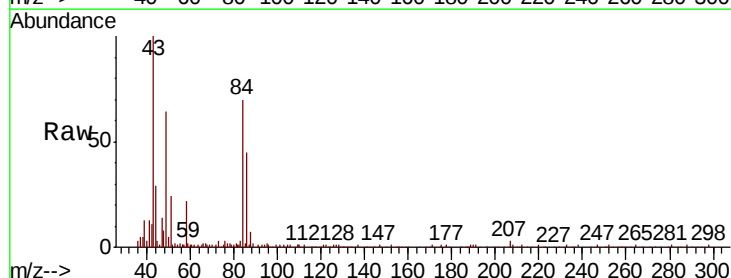
Acq: 28 May 2019 14:56

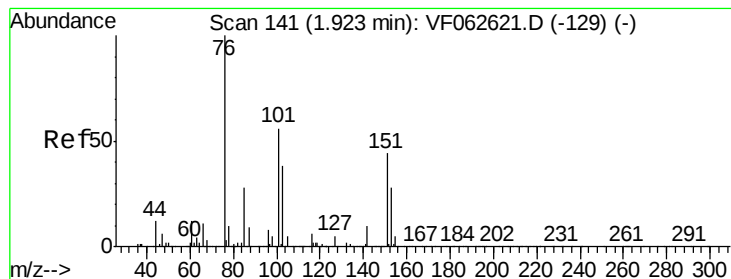
Tgt Ion: 43 Resp: 120626

Ion Ratio Lower Upper

43 100

58 22.1 22.6 33.8#





#17

Carbon Disulfide

Concen: 12.588 ug/l

RT: 1.93 min Scan# 141

Delta R.T. 0.01 min

Lab File: VF062760.D

Acq: 28 May 2019 14:56

Instrument :

MSVOA_F

ClientSampleId :

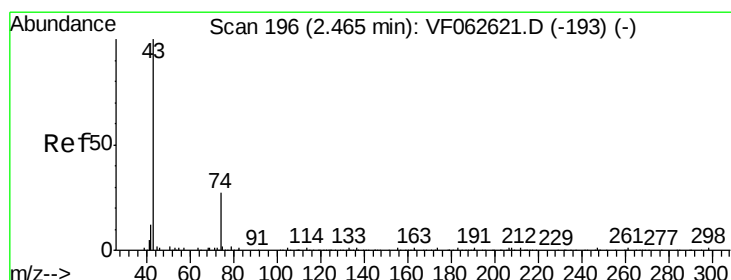
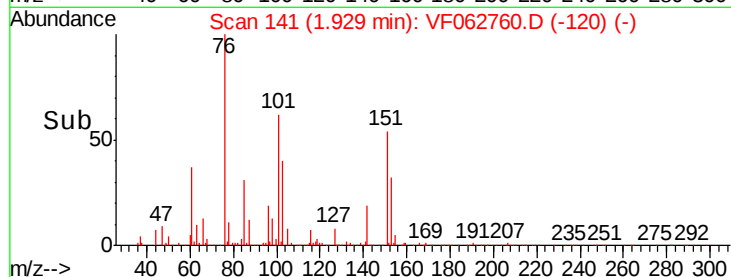
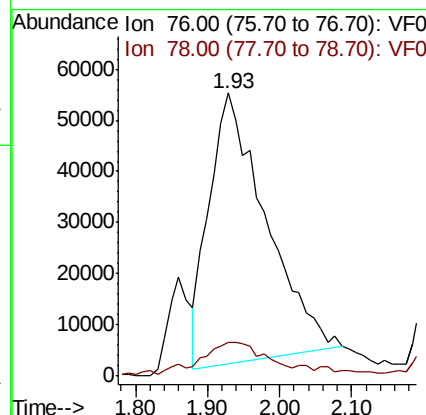
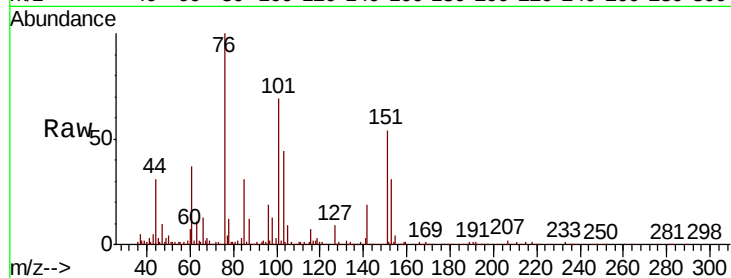
VF0528SBSD02

Tot Ion: 76 Resp: 288404

Ion Ratio Lower Upper

76 100

78 11.9 8.4 12.6



#18

Methyl Acetate

Concen: 18.898 ug/l

RT: 2.47 min Scan# 196

Delta R.T. 0.01 min

Lab File: VF062760.D

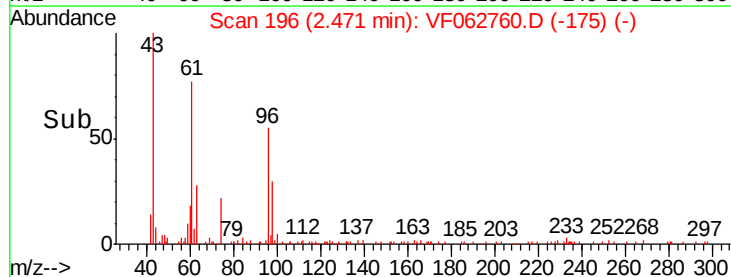
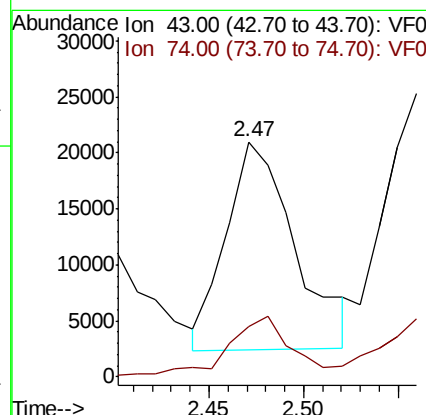
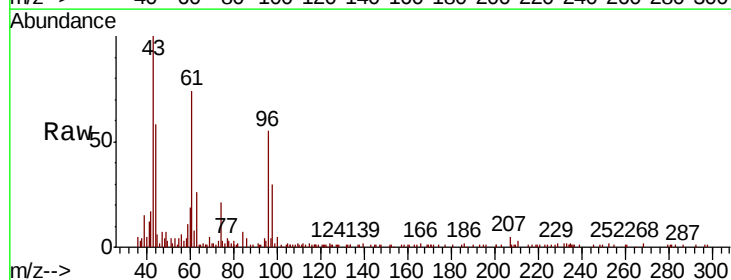
Acq: 28 May 2019 14:56

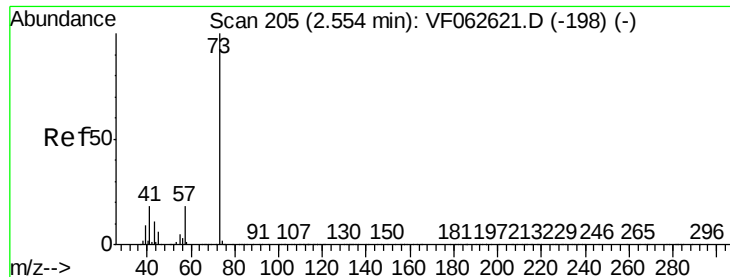
Tgt Ion: 43 Resp: 46846

Ion Ratio Lower Upper

43 100

74 21.4 18.9 28.3



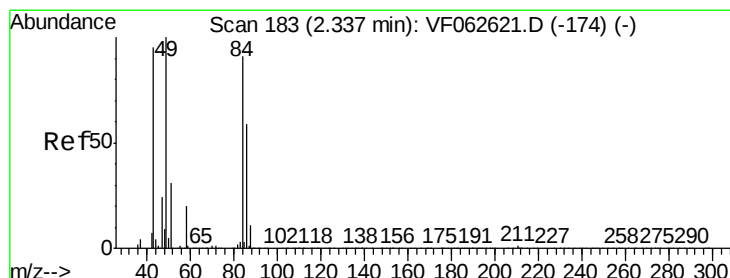
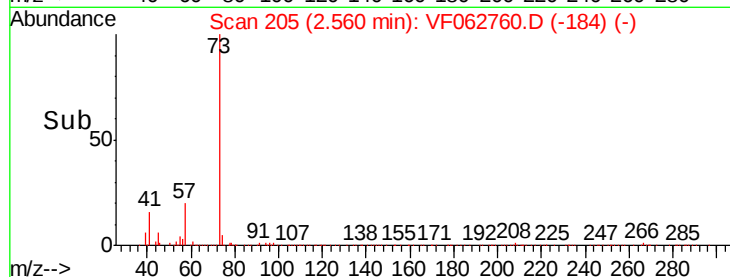
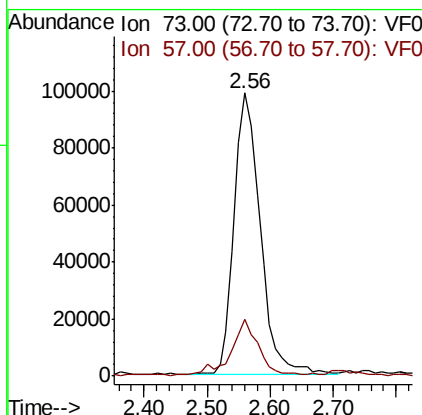
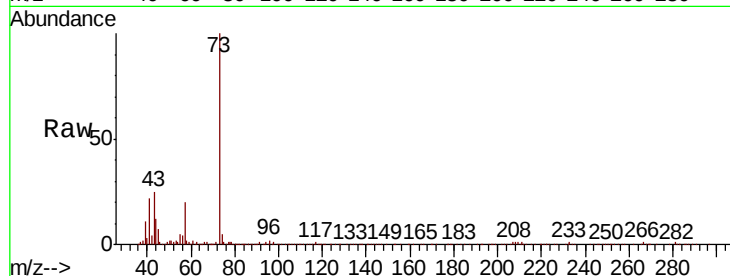


#19

Methyl tert-butyl Ether
 Concen: 20.611 ug/l
 RT: 2.56 min Scan# 205
 Delta R.T. 0.01 min
 Lab File: VF062760.D
 Acq: 28 May 2019 14:56

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0528SBS02

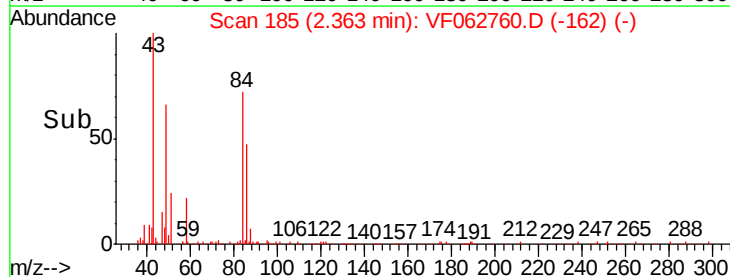
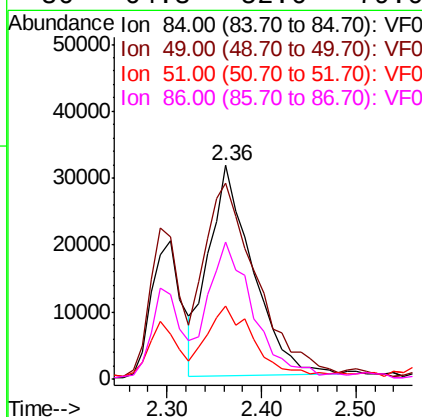
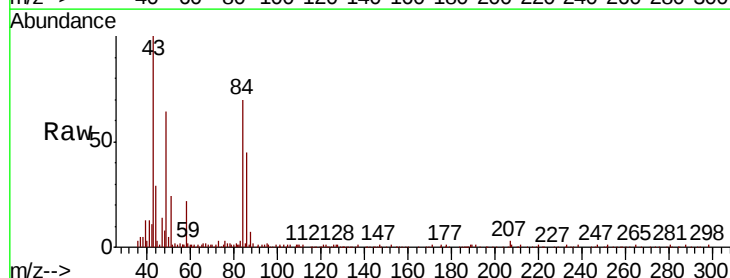
Tot Ion: 73 Resp: 284807
 Ion Ratio Lower Upper
 73 100
 57 20.2 14.2 21.4

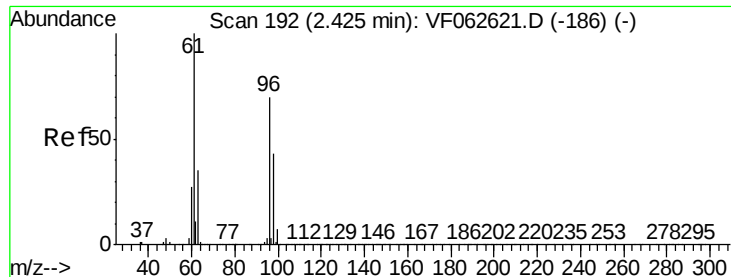


#20

Methylene Chloride
 Concen: 12.892 ug/l
 RT: 2.36 min Scan# 185
 Delta R.T. 0.03 min
 Lab File: VF062760.D
 Acq: 28 May 2019 14:56

Tgt Ion: 84 Resp: 101935
 Ion Ratio Lower Upper
 84 100
 49 91.6 89.8 134.8
 51 34.3 28.4 42.6
 86 64.3 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 19.277 ug/l

RT: 2.43 min Scan# 192

Delta R.T. 0.01 min

Lab File: VF062760.D

Acq: 28 May 2019 14:56

Instrument :

MSVOA_F

ClientSampleId :

VF0528SBS02

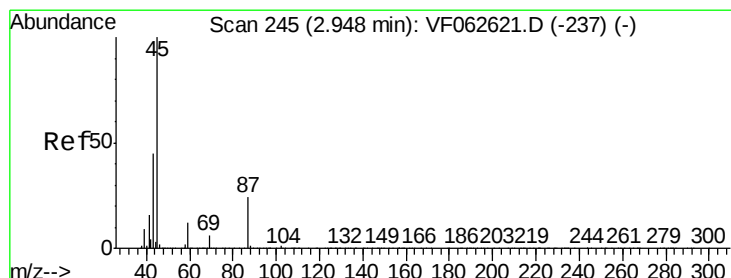
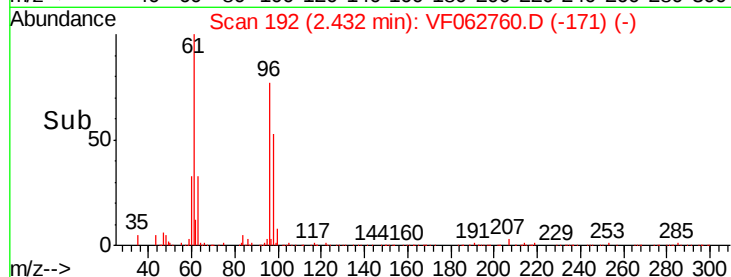
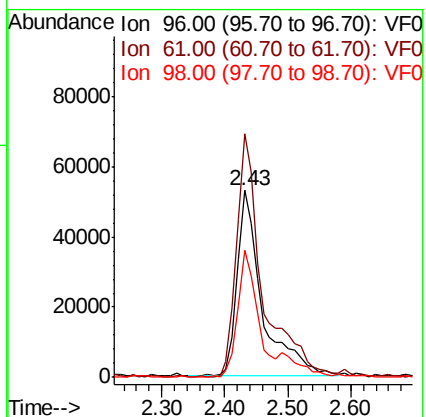
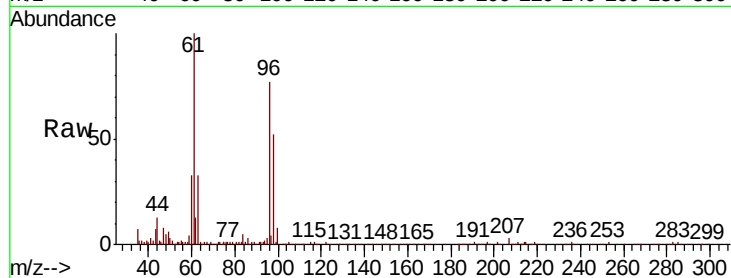
Tot Ion: 96 Resp: 145637

Ion Ratio Lower Upper

96 100

61 130.3 114.6 171.8

98 68.3 49.5 74.3



#22

Diisopropyl ether

Concen: 19.637 ug/l

RT: 2.95 min Scan# 245

Delta R.T. 0.01 min

Lab File: VF062760.D

Acq: 28 May 2019 14:56

Tgt Ion: 45 Resp: 338825

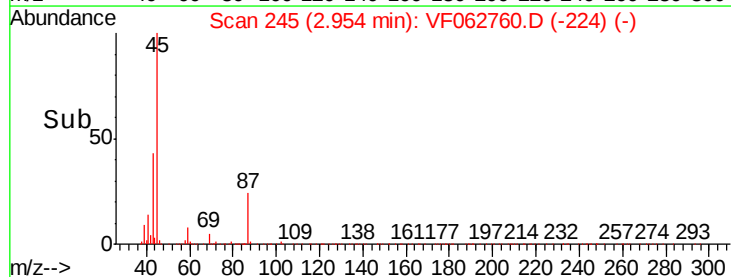
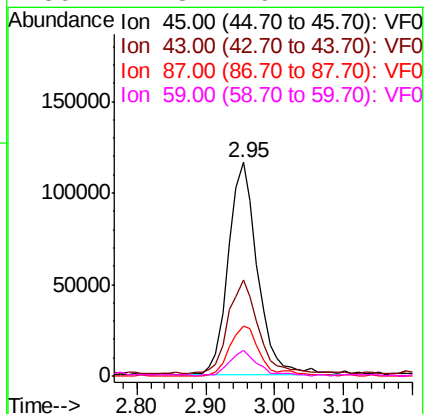
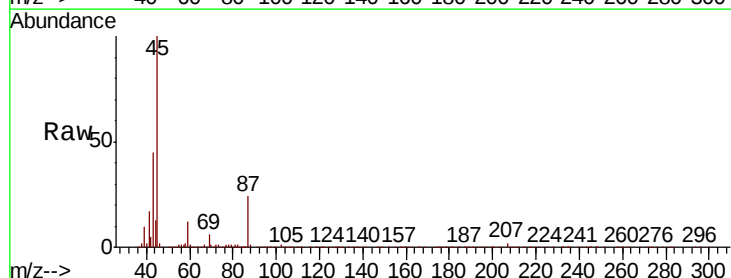
Ion Ratio Lower Upper

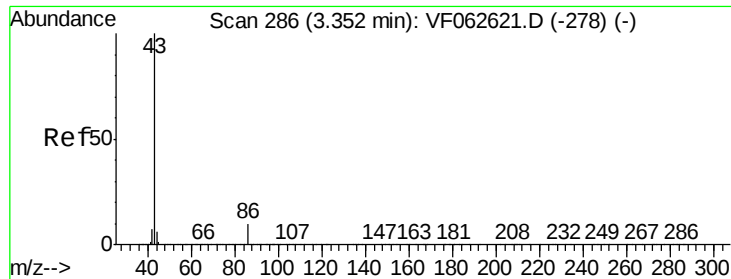
45 100

43 44.9 36.4 54.6

87 23.6 19.3 28.9

59 11.8 9.4 14.2

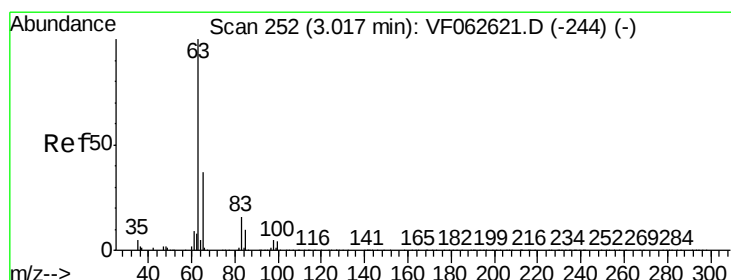
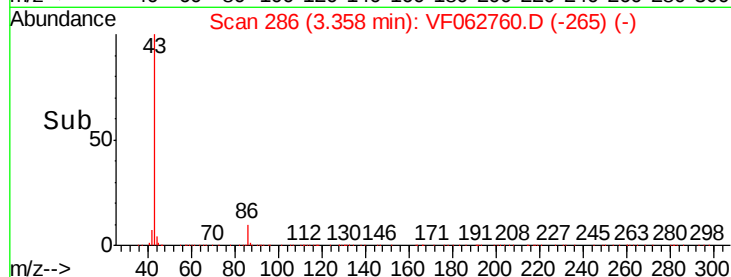
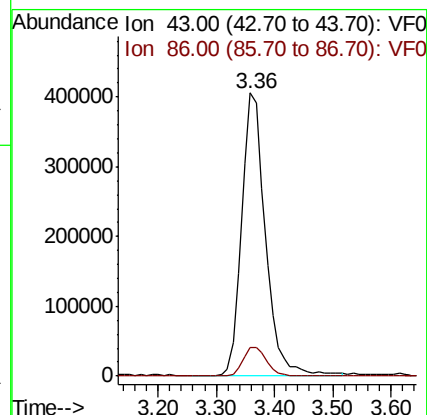
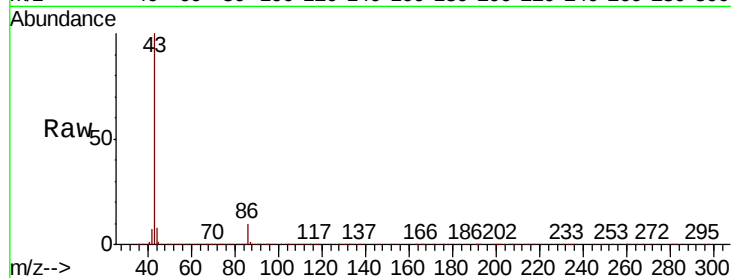




#23
 Vinyl Acetate
 Concen: 98.906 ug/l
 RT: 3.36 min Scan# 286
 Delta R.T. 0.01 min
 Lab File: VF062760.D
 Acq: 28 May 2019 14:56

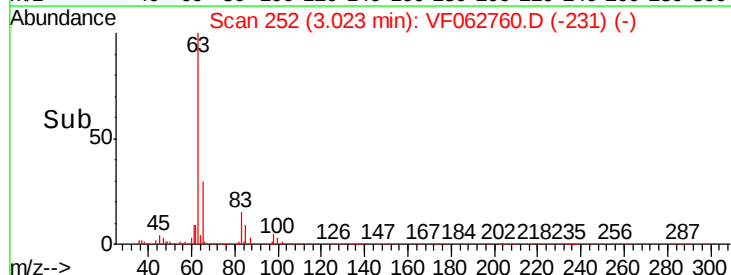
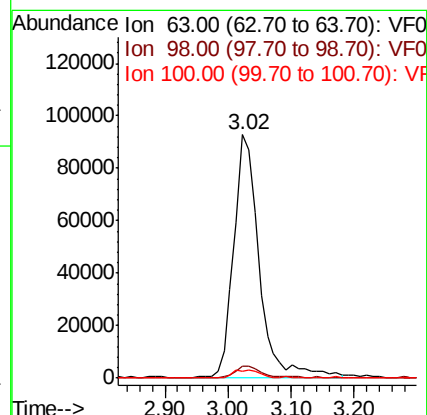
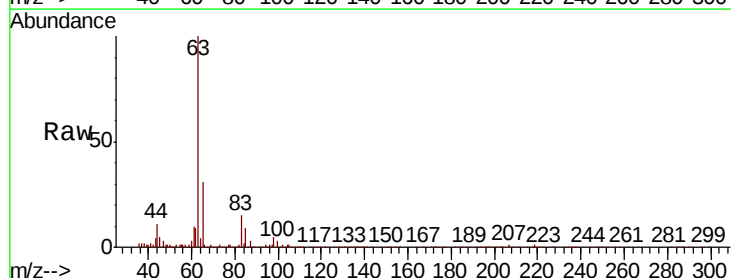
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0528SBSD02

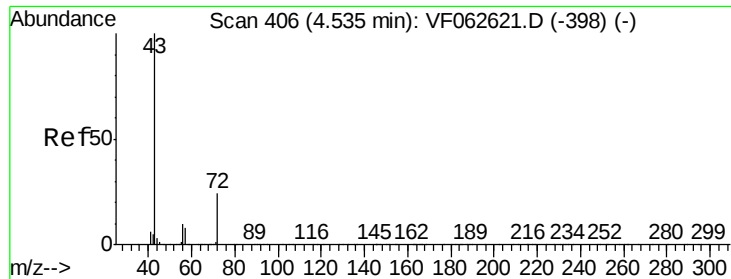
Tot Ion: 43 Resp: 1151198
 Ion Ratio Lower Upper
 43 100
 86 10.0 8.2 12.2



#24
 1,1-Dichloroethane
 Concen: 20.581 ug/l
 RT: 3.02 min Scan# 252
 Delta R.T. 0.01 min
 Lab File: VF062760.D
 Acq: 28 May 2019 14:56

Tgt Ion: 63 Resp: 260507
 Ion Ratio Lower Upper
 63 100
 98 5.2 2.8 8.3
 100 2.7 1.9 5.7

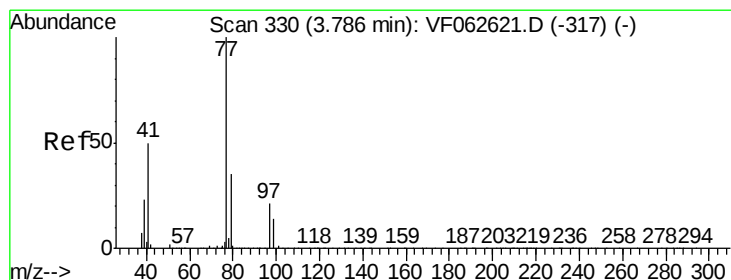
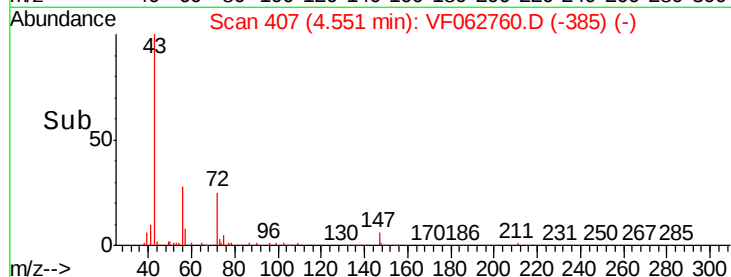
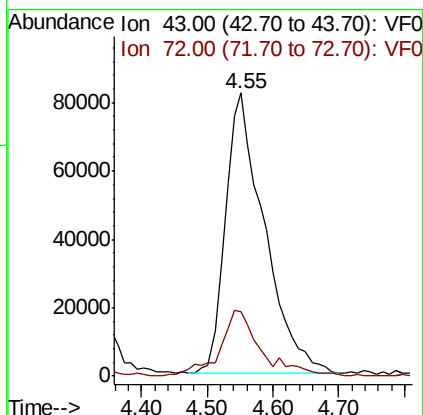
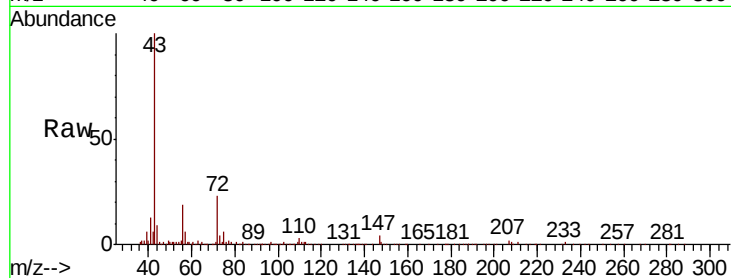




#25
2-Butanone
Concen: 100.154 ug/l
RT: 4.55 min Scan# 407
Delta R.T. 0.02 min
Lab File: VF062760.D
Acq: 28 May 2019 14:56

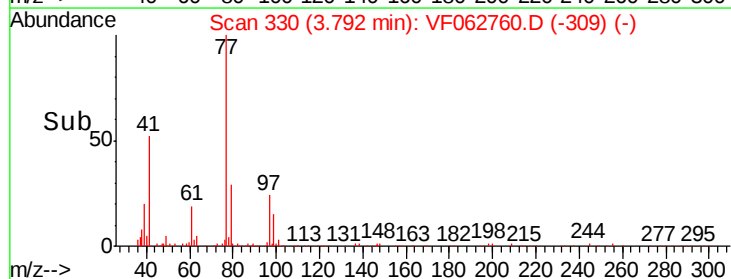
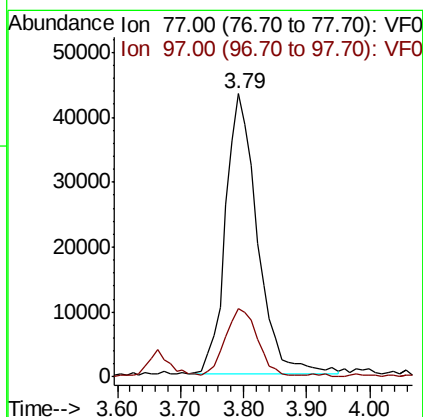
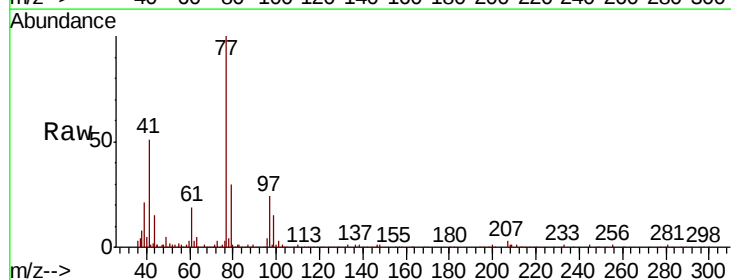
Instrument :
MSVOA_F
ClientSampleId :
VF0528SBS02

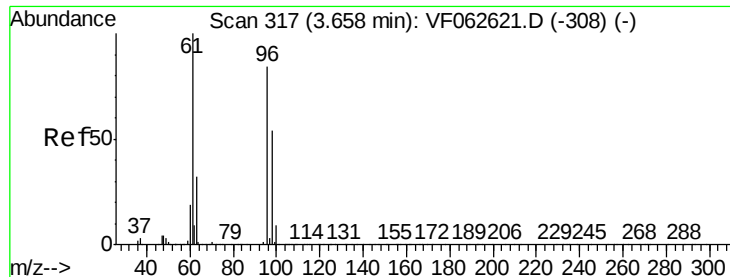
Tot Ion: 43 Resp: 337538
Ion Ratio Lower Upper
43 100
72 22.6 20.1 30.1



#26
2,2-Dichloropropane
Concen: 20.832 ug/l
RT: 3.79 min Scan# 330
Delta R.T. 0.01 min
Lab File: VF062760.D
Acq: 28 May 2019 14:56

Tgt Ion: 77 Resp: 150868
Ion Ratio Lower Upper
77 100
97 24.2 14.1 42.4



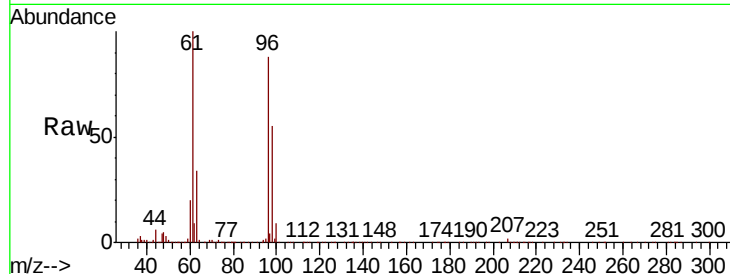


#27

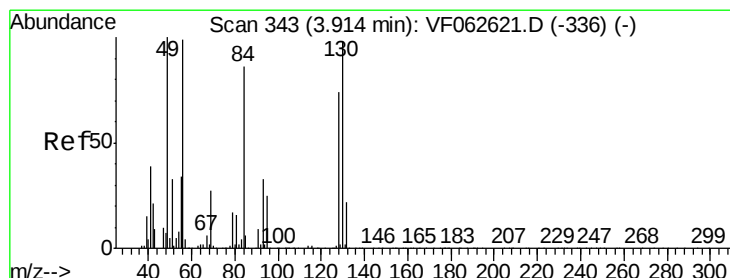
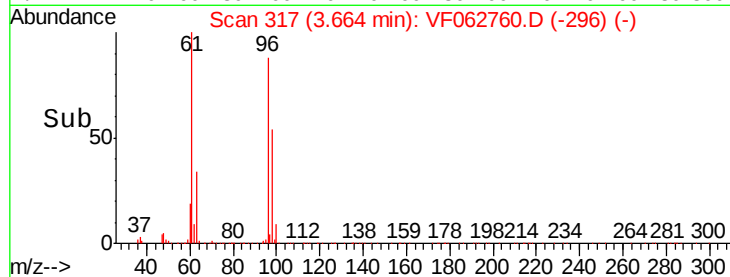
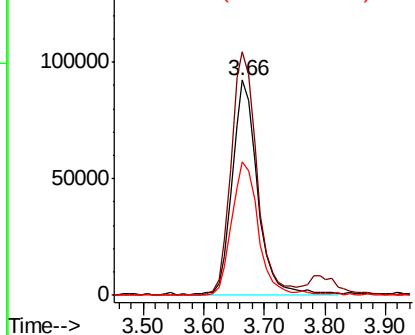
cis-1,2-Dichloroethene
Concen: 21.292 ug/l
RT: 3.66 min Scan# 317
Delta R.T. 0.01 min
Lab File: VF062760.D
Acq: 28 May 2019 14:56

Instrument :
MSVOA_F
ClientSampleId :
VF0528SBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	113.3	0.0	237.4
98	61.9	0.0	129.0



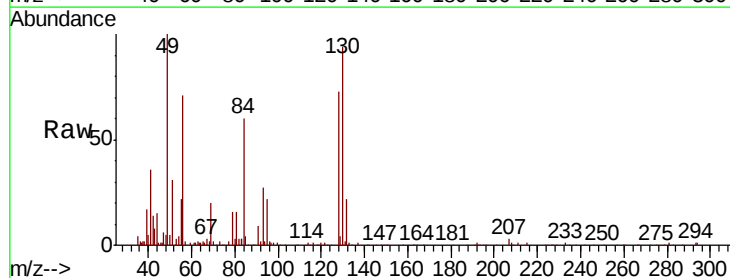
Abundance Ion 96.00 (95.70 to 96.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 98.00 (97.70 to 98.70): VF0



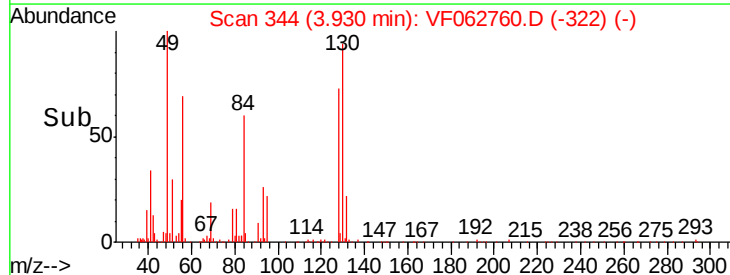
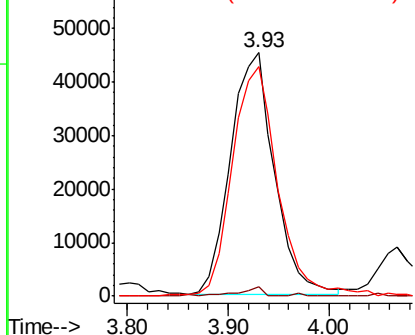
#28

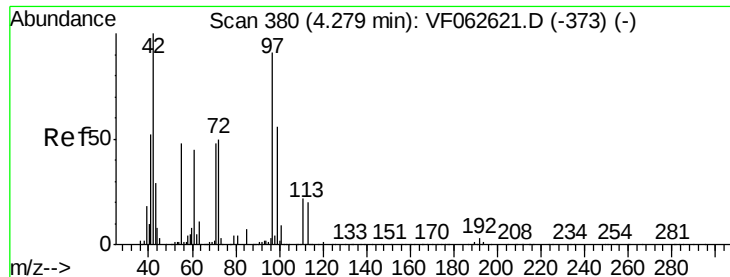
Bromochloromethane
Concen: 19.238 ug/l
RT: 3.93 min Scan# 344
Delta R.T. 0.02 min
Lab File: VF062760.D
Acq: 28 May 2019 14:56

Tgt Ion	Ratio	Lower	Upper
49	100		
129	3.8	0.0	4.0
130	94.2	77.8	116.8



Abundance Ion 49.00 (48.70 to 49.70): VF0
Ion 129.00 (128.70 to 129.70): V
Ion 130.00 (129.70 to 130.70): V





#29

Tetrahydrofuran

Concen: 97.076 ug/l

RT: 4.29 min Scan# 381

Delta R.T. 0.02 min

Lab File: VF062760.D

Acq: 28 May 2019 14:56

Instrument :

MSVOA_F

ClientSampleId :

VF0528SBS02

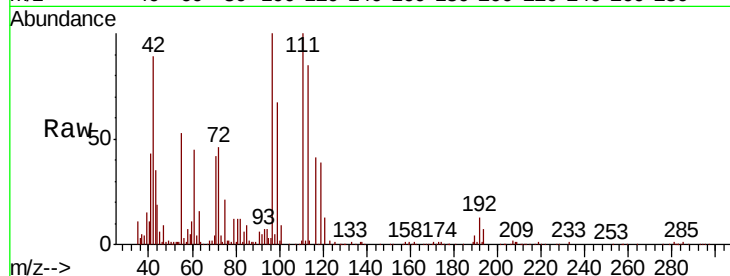
Tot Ion: 42 Resp: 132393

Ion Ratio Lower Upper

42 100

72 49.9 38.2 57.2

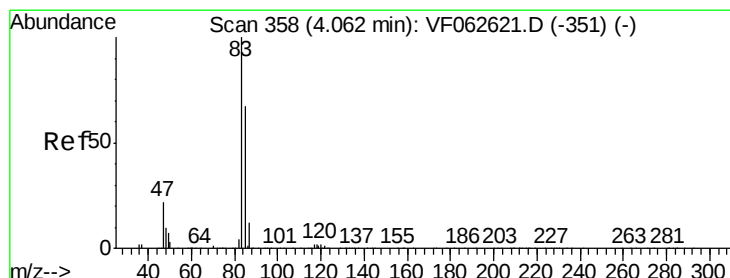
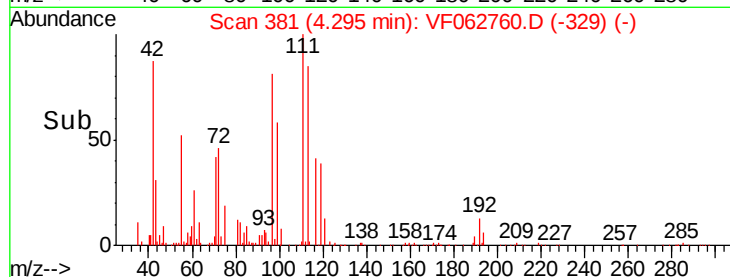
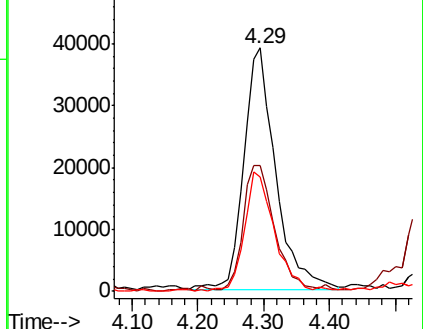
71 45.6 35.8 53.6



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: 21.391 ug/l

RT: 4.07 min Scan# 358

Delta R.T. 0.01 min

Lab File: VF062760.D

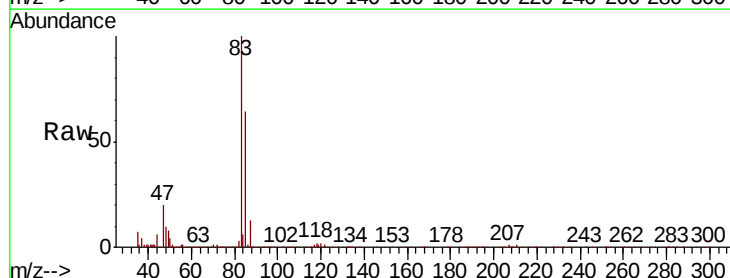
Acq: 28 May 2019 14:56

Tgt Ion: 83 Resp: 375919

Ion Ratio Lower Upper

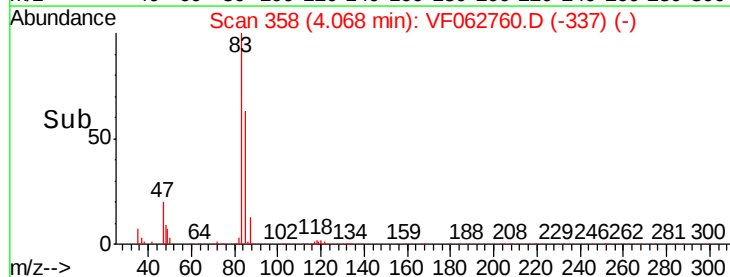
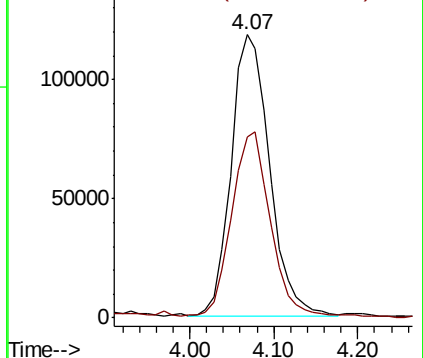
83 100

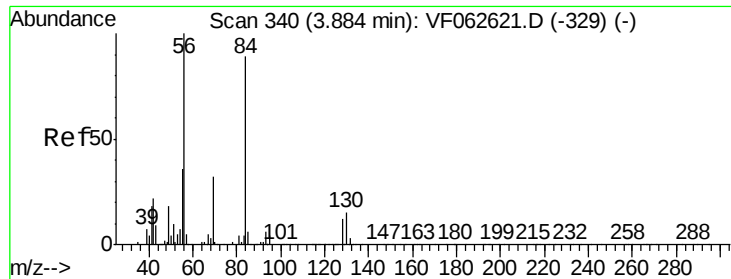
85 63.8 53.6 80.4



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

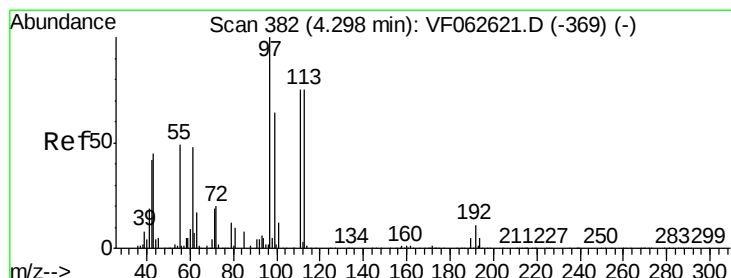
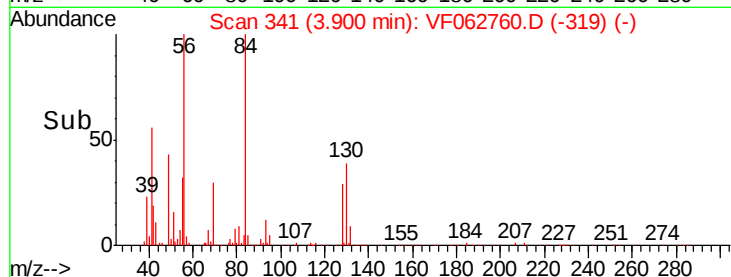
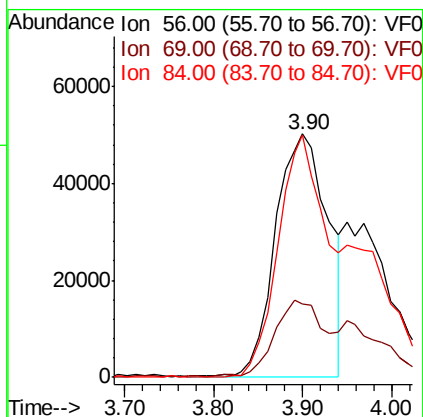
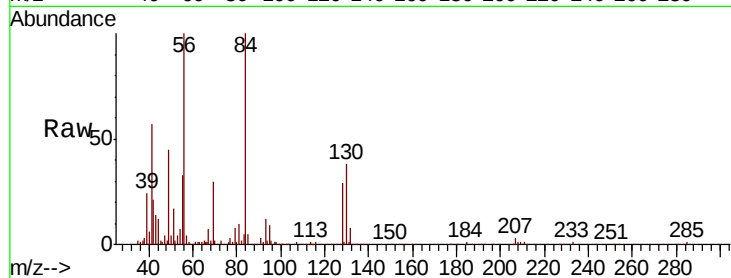




#31
Cyclohexane
Concen: 12.202 ug/l
RT: 3.90 min Scan# 341
Delta R.T. 0.02 min
Lab File: VF062760.D
Acq: 28 May 2019 14:56

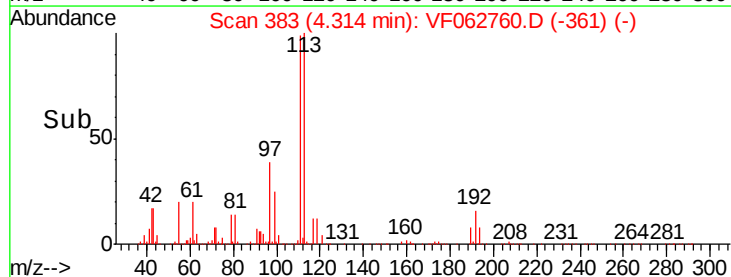
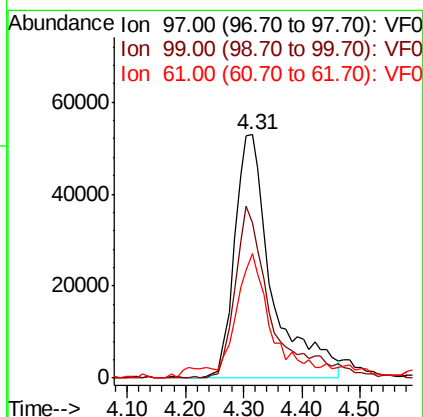
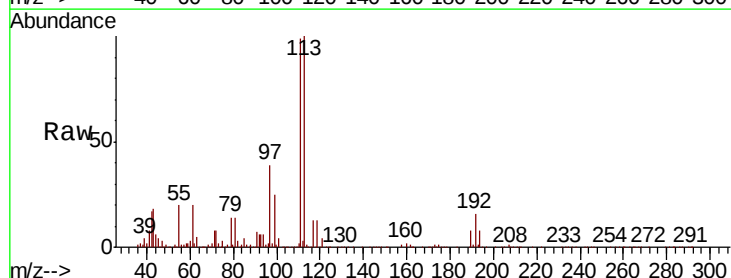
Instrument :
MSVOA_F
ClientSampleId :
VF0528SBSD02

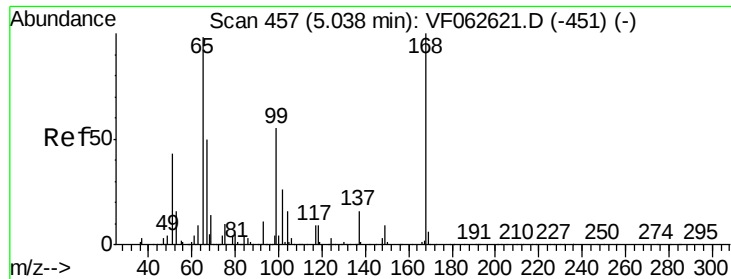
Tot Ion: 56 Resp: 207383
Ion Ratio Lower Upper
56 100
69 29.9 25.3 37.9
84 99.7 71.0 106.4



#32
1,1,1-Trichloroethane
Concen: 20.277 ug/l
RT: 4.31 min Scan# 383
Delta R.T. 0.02 min
Lab File: VF062760.D
Acq: 28 May 2019 14:56

Tgt Ion: 97 Resp: 236664
Ion Ratio Lower Upper
97 100
99 63.8 51.3 76.9
61 50.9 38.2 57.2





#33

1,2-Dichloroethane-d4

Concen: 44.023 ug/l

RT: 5.05 min Scan# 458

Delta R.T. 0.02 min

Lab File: VF062760.D

Acq: 28 May 2019 14:56

Instrument :

MSVOA_F

ClientSampleId :

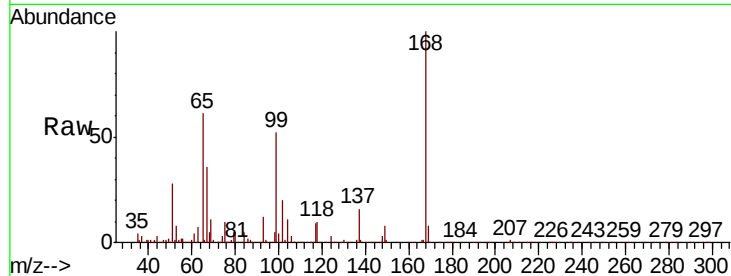
VF0528SBSD02

Tot Ion: 65 Resp: 267676

Ion Ratio Lower Upper

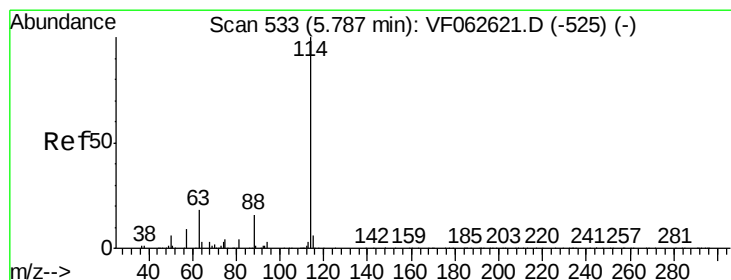
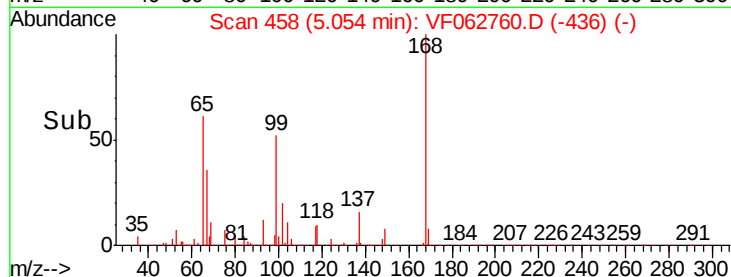
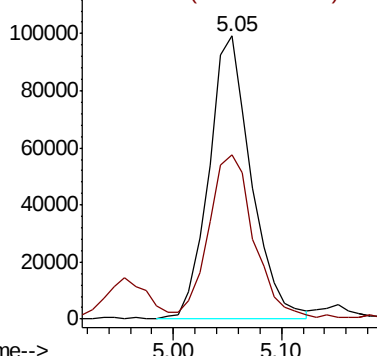
65 100

67 58.1 0.0 117.6



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.79 min Scan# 533

Delta R.T. 0.01 min

Lab File: VF062760.D

Acq: 28 May 2019 14:56

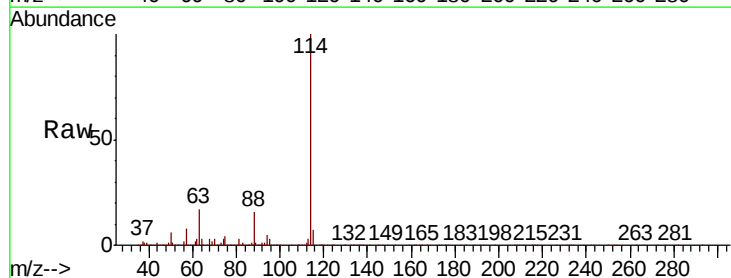
Tgt Ion:114 Resp: 1386224

Ion Ratio Lower Upper

114 100

63 17.0 0.0 35.4

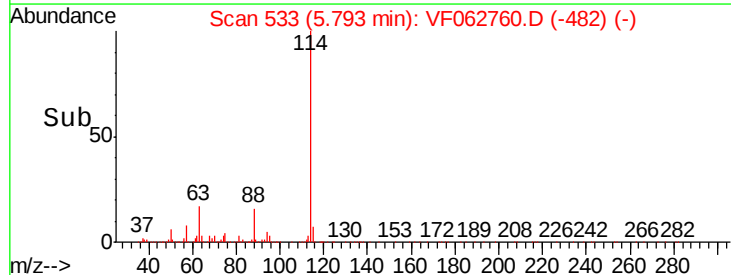
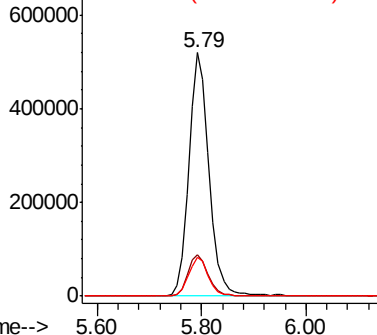
88 16.0 0.0 32.4

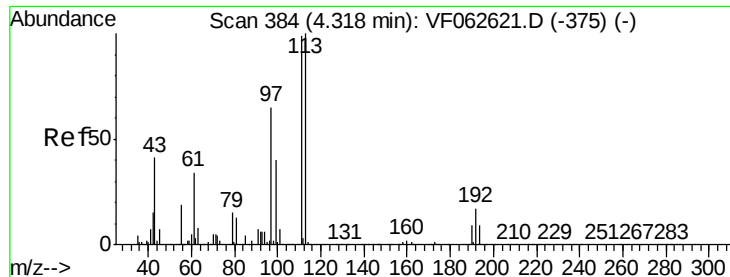


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

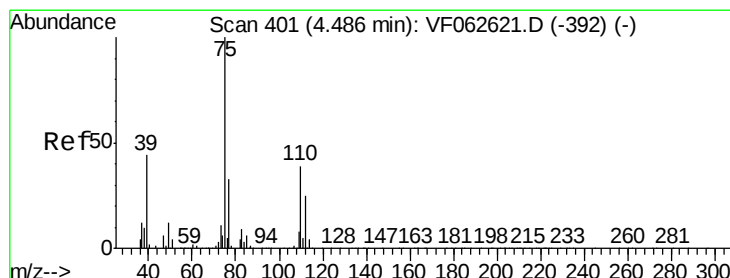
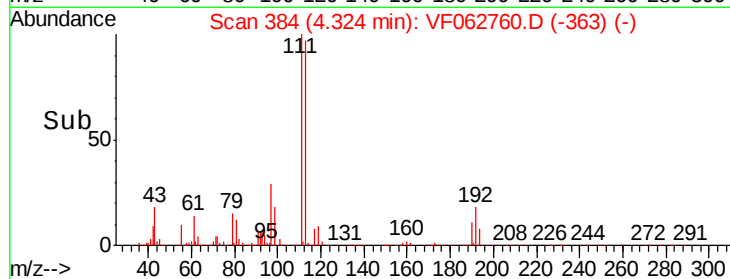
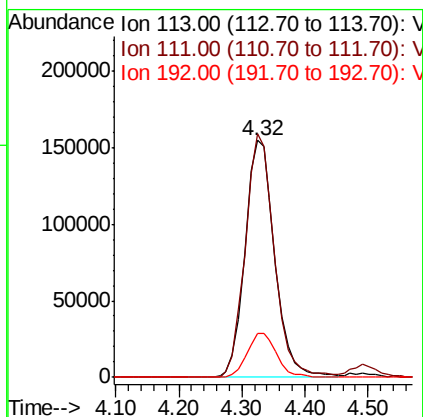
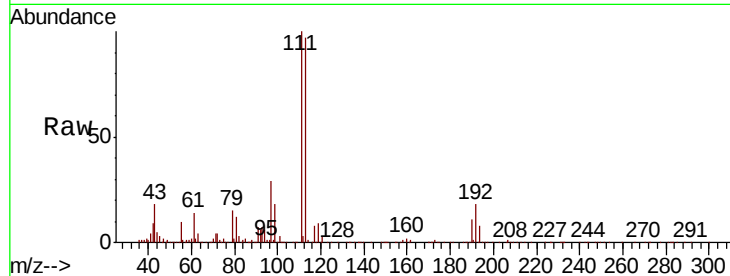




#35
 Dibromofluoromethane
 Concen: 47.909 ug/l
 RT: 4.32 min Scan# 384
 Delta R.T. 0.01 min
 Lab File: VF062760.D
 Acq: 28 May 2019 14:56

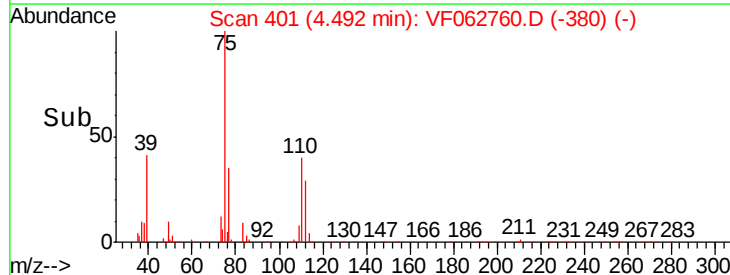
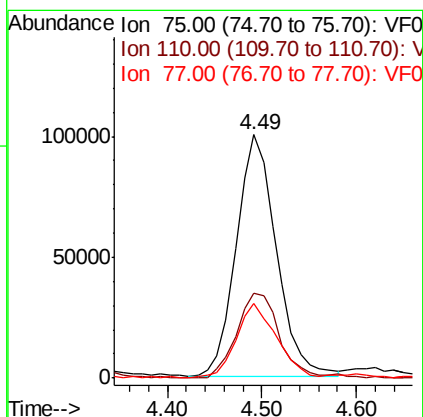
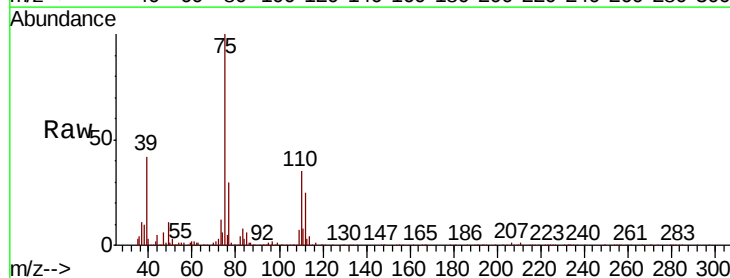
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0528SBS02

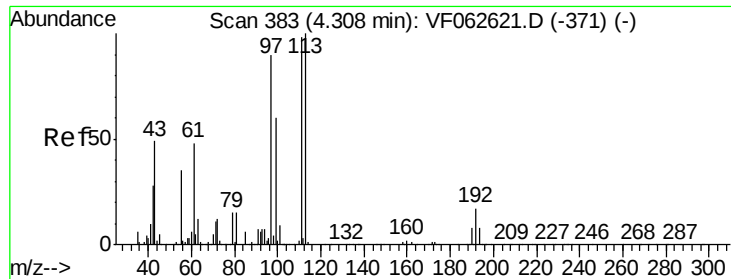
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.8	79.4	119.2
192	18.5	13.4	20.2



#36
 1,1-Dichloropropene
 Concen: 20.743 ug/l
 RT: 4.49 min Scan# 401
 Delta R.T. 0.01 min
 Lab File: VF062760.D
 Acq: 28 May 2019 14:56

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.8	19.7	59.1
77	30.4	26.3	39.5

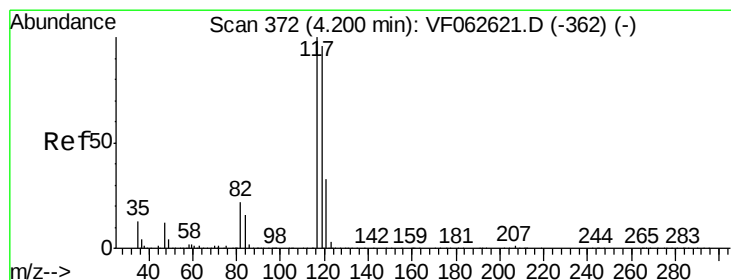
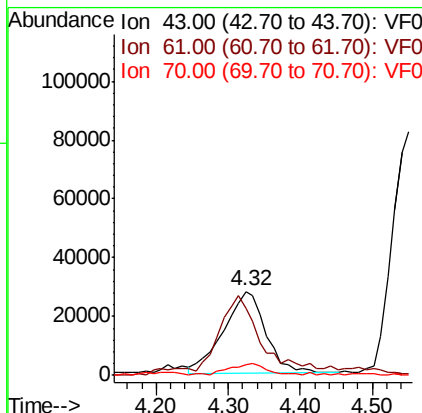
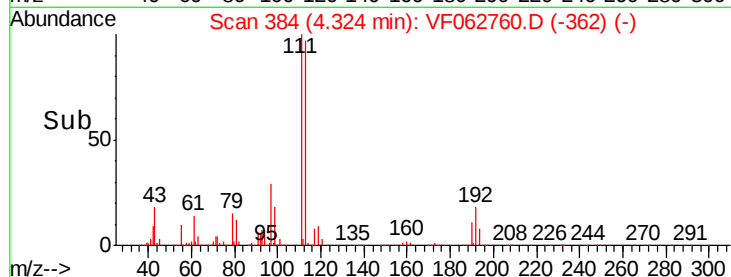
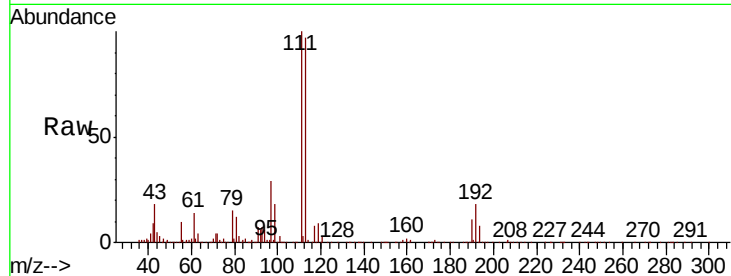




#37
Ethyl Acetate
Concen: 19.398 ug/l
RT: 4.32 min Scan# 384
Delta R.T. 0.02 min
Lab File: VF062760.D
Acq: 28 May 2019 14:56

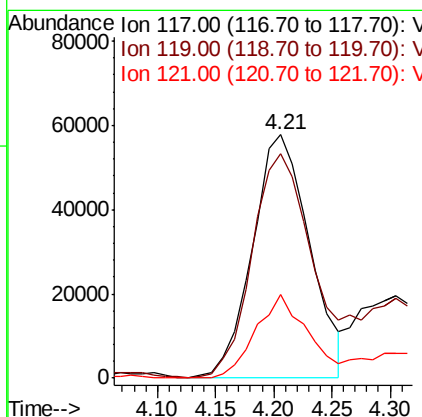
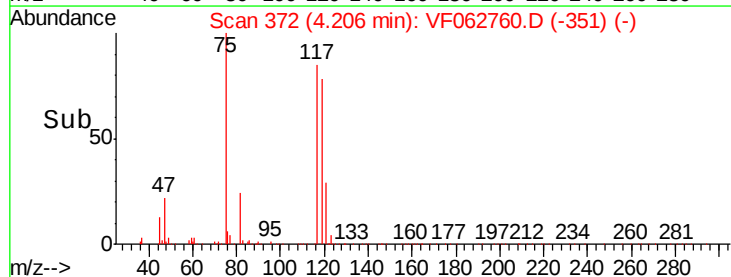
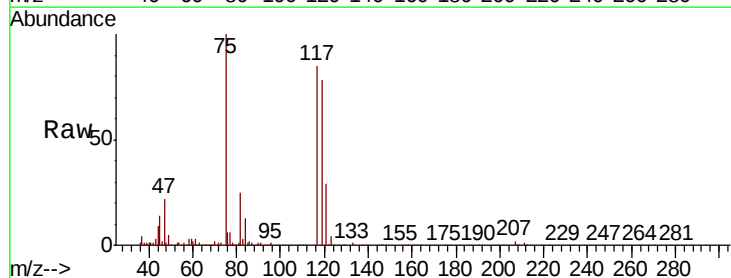
Instrument :
MSVOA_F
ClientSampleId :
VF0528SBS02

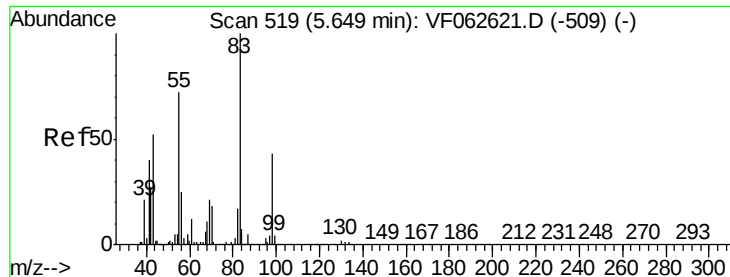
Tot Ion: 43 Resp: 112503
Ion Ratio Lower Upper
43 100
61 79.1 76.9 115.3
70 12.5 8.8 13.2



#38
Carbon Tetrachloride
Concen: 18.320 ug/l
RT: 4.21 min Scan# 372
Delta R.T. 0.01 min
Lab File: VF062760.D
Acq: 28 May 2019 14:56

Tgt Ion: 117 Resp: 195712
Ion Ratio Lower Upper
117 100
119 91.9 76.7 115.1
121 34.3 26.6 40.0

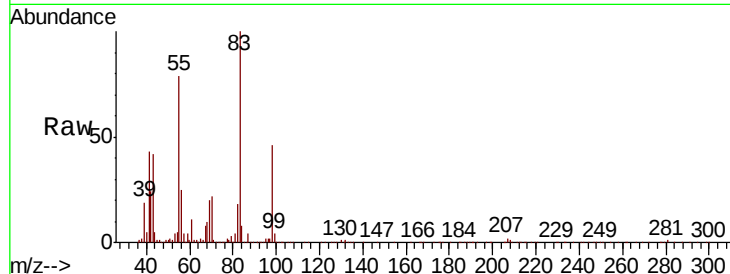




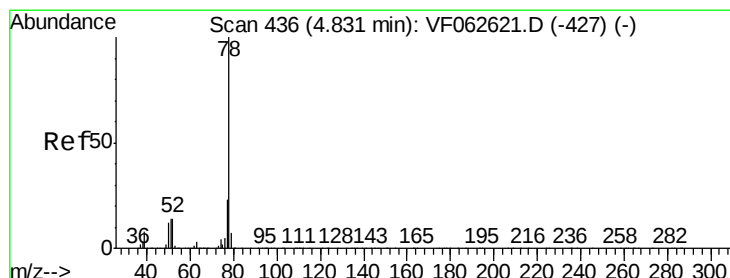
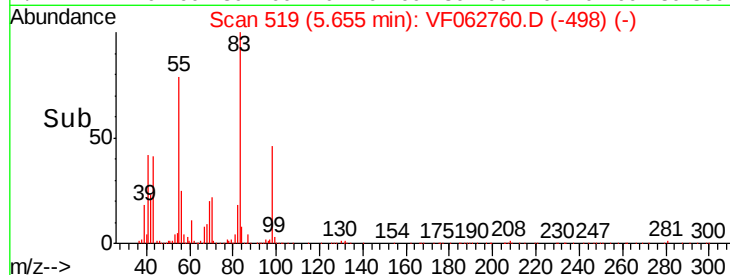
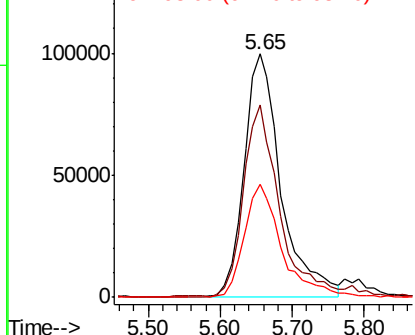
#39
Methvlcvclohexane
Concen: 20.862 ug/l
RT: 5.65 min Scan# 519
Delta R.T. 0.01 min
Lab File: VF062760.D
Acq: 28 May 2019 14:56

Instrument :
MSVOA_F
ClientSampleId :
VF0528SBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.0	57.9	86.9
98	46.2	34.6	52.0

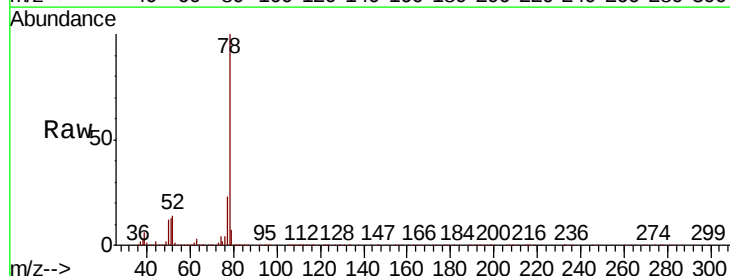


Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 55.00 (54.70 to 55.70): VF0
Ion 98.00 (97.70 to 98.70): VF0

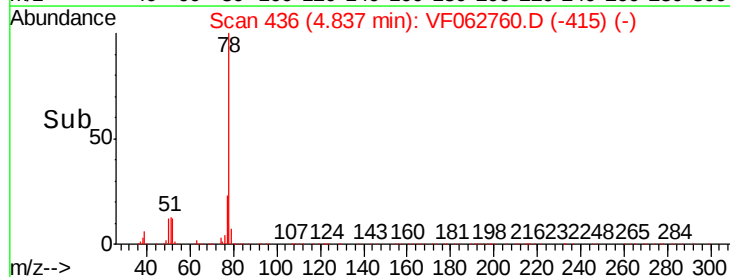
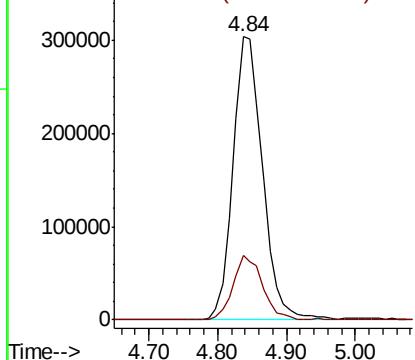


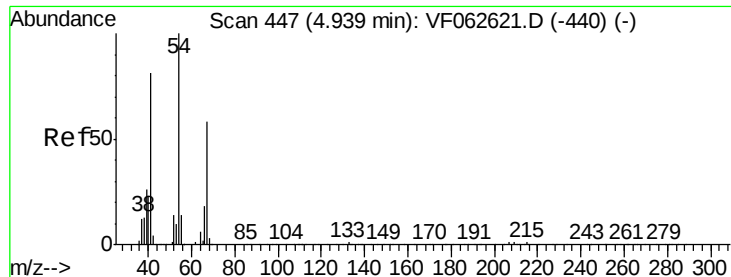
#40
Benzene
Concen: 23.252 ug/l
RT: 4.84 min Scan# 436
Delta R.T. 0.01 min
Lab File: VF062760.D
Acq: 28 May 2019 14:56

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.8	18.2	27.2



Abundance Ion 78.10 (77.80 to 78.80): VF0
Ion 77.00 (76.70 to 77.70): VF0





#41

Methacrylonitrile

Concen: 18.864 ug/l

RT: 4.96 min Scan# 448

Delta R.T. 0.02 min

Lab File: VF062760.D

Acq: 28 May 2019 14:56

Instrument :

MSVOA_F

ClientSampleId :

VF0528SBS02

Tot Ion: 41 Resp: 57360

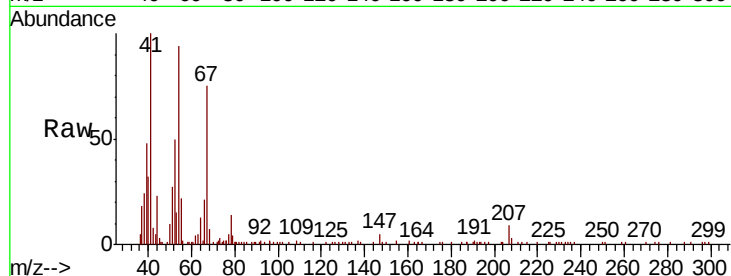
Ion Ratio Lower Upper

41 100

39 47.8 42.2 63.2

67 74.9 56.4 84.6

52 49.9 38.8 58.2

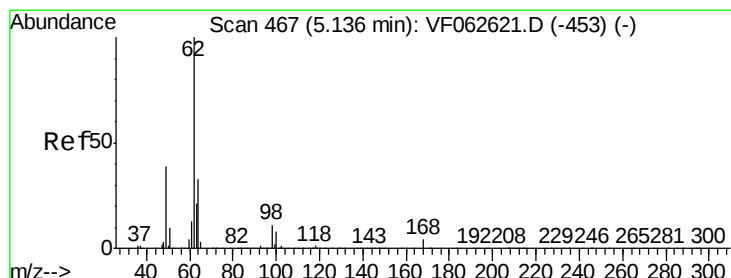
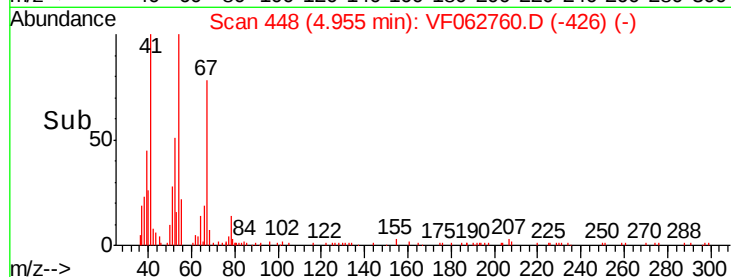
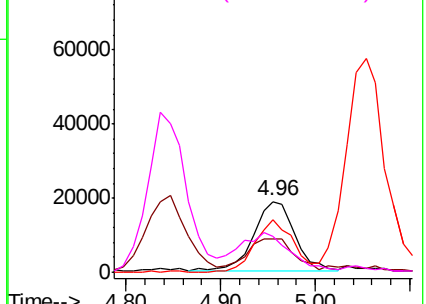


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#42

1,2-Dichloroethane

Concen: 20.486 ug/l

RT: 5.15 min Scan# 468

Delta R.T. 0.02 min

Lab File: VF062760.D

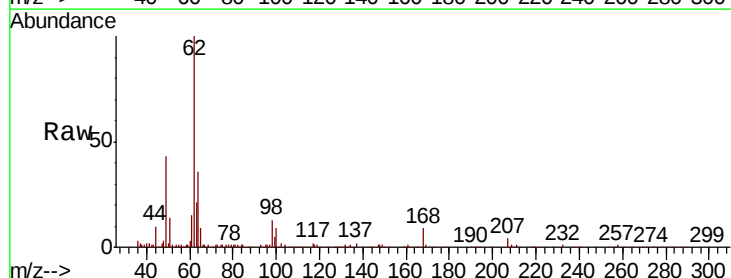
Acq: 28 May 2019 14:56

Tgt Ion: 62 Resp: 158084

Ion Ratio Lower Upper

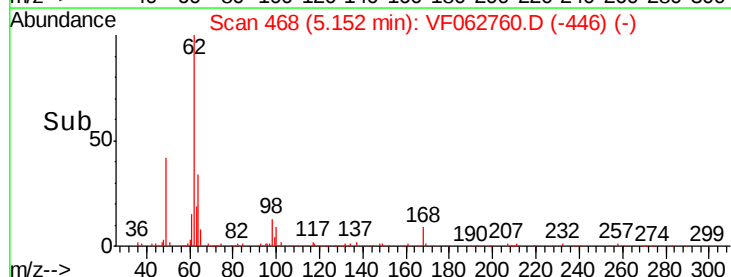
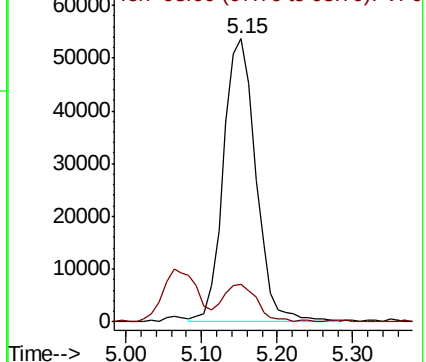
62 100

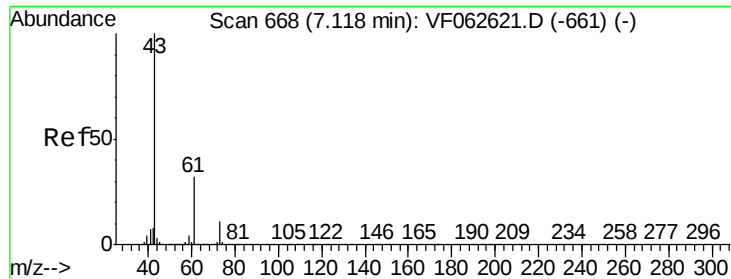
98 13.4 0.0 21.6



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



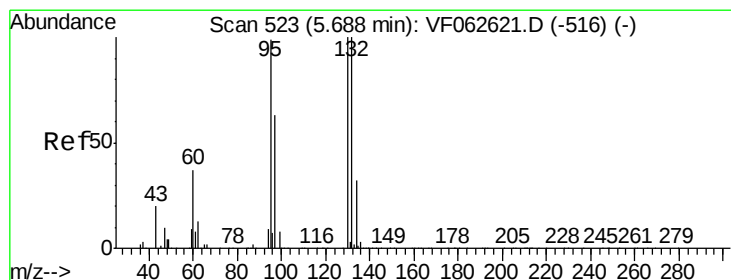
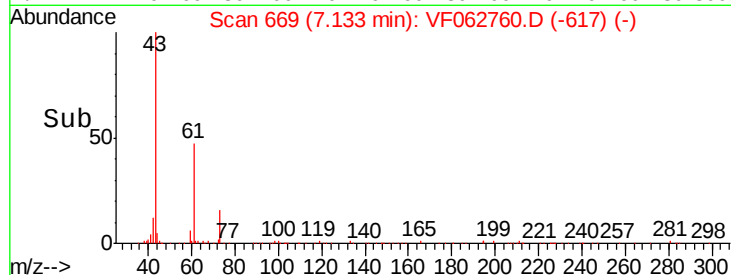
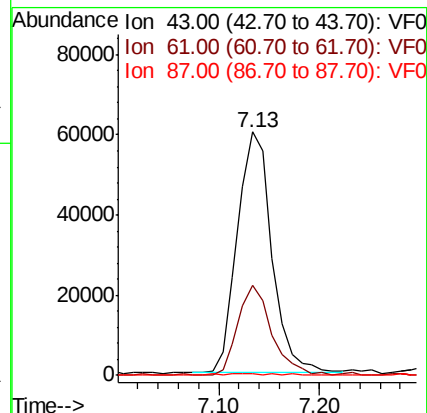
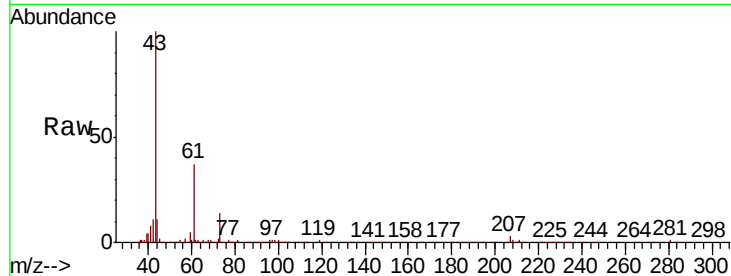


#43

Isopropyl Acetate
 Concen: 19.089 ug/l
 RT: 7.13 min Scan# 669
 Delta R.T. 0.02 min
 Lab File: VF062760.D
 Acq: 28 May 2019 14:56

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0528SBS02

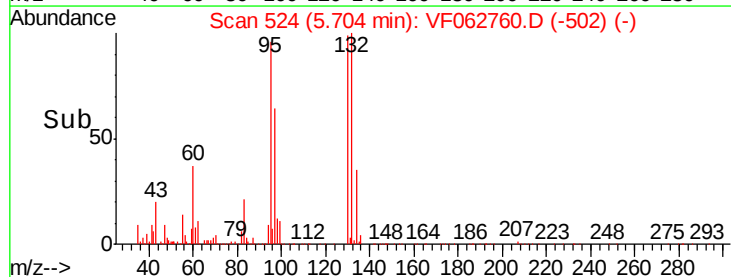
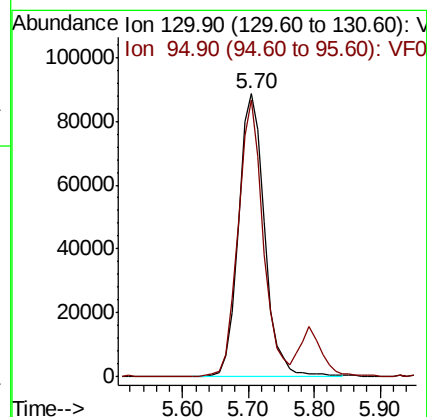
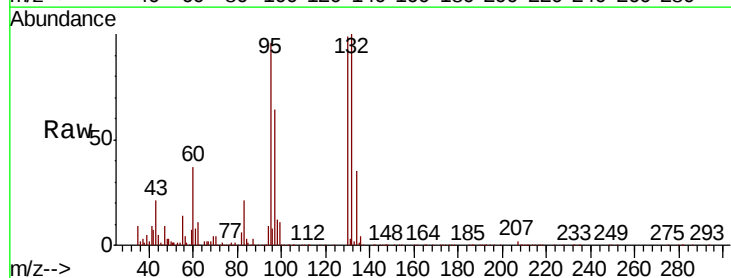
Tot Ion: 43 Resp: 143429
 Ion Ratio Lower Upper
 43 100
 61 37.1 25.8 38.8
 87 0.5 0.4 0.6

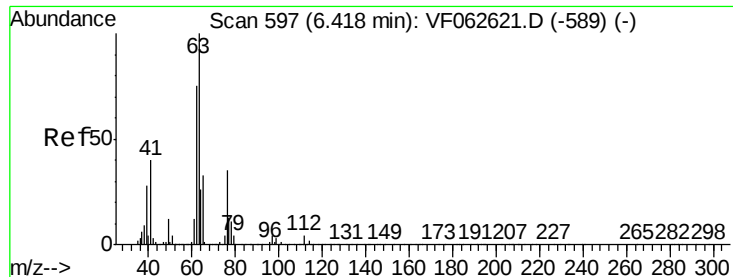


#44

Trichloroethene
 Concen: 22.657 ug/l
 RT: 5.70 min Scan# 524
 Delta R.T. 0.02 min
 Lab File: VF062760.D
 Acq: 28 May 2019 14:56

Tgt Ion: 130 Resp: 246421
 Ion Ratio Lower Upper
 130 100
 95 97.9 0.0 199.4

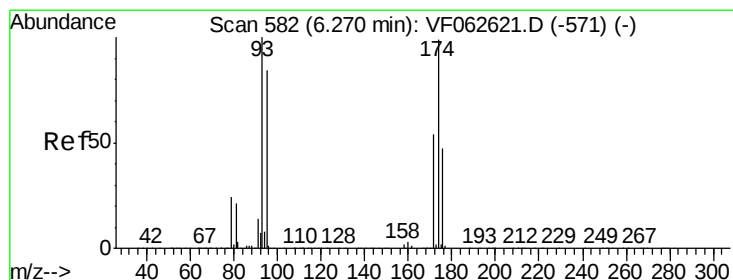
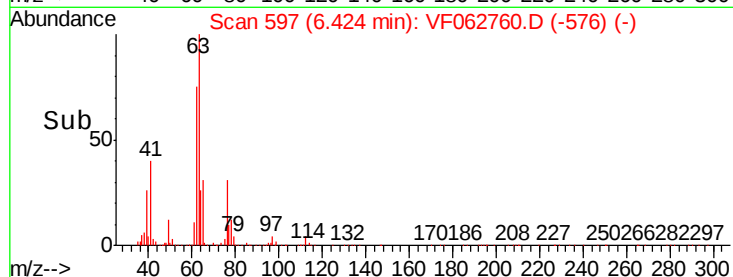
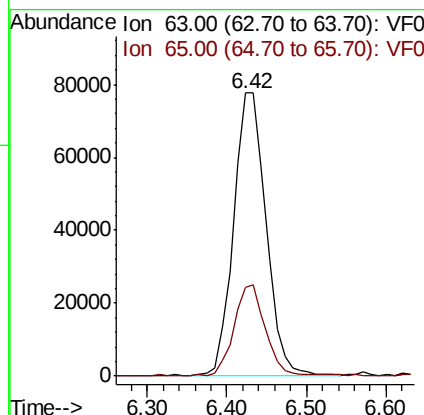
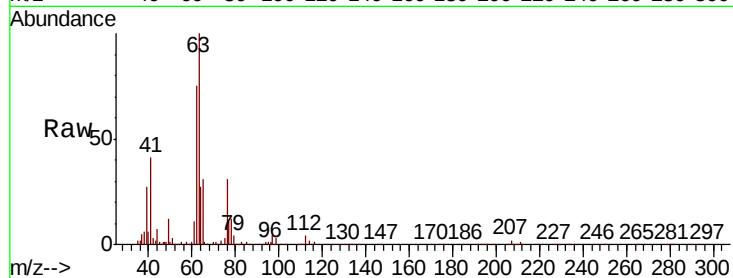




#45
 1,2-Dichloropropane
 Concen: 22.640 ug/l
 RT: 6.42 min Scan# 597
 Delta R.T. 0.01 min
 Lab File: VF062760.D
 Acq: 28 May 2019 14:56

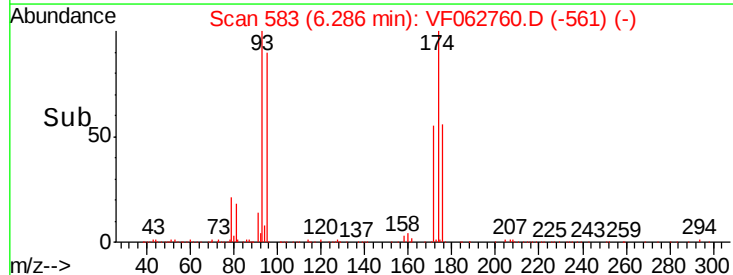
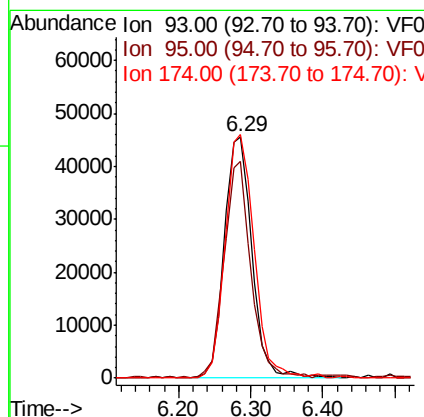
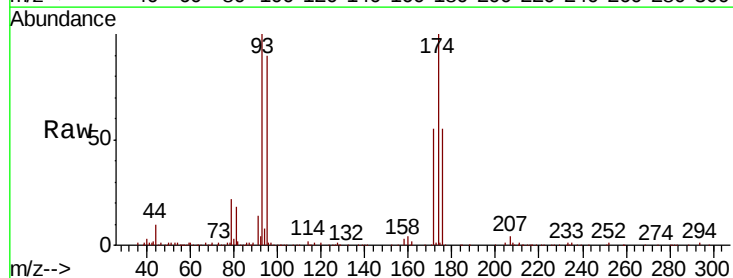
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0528SBSD02

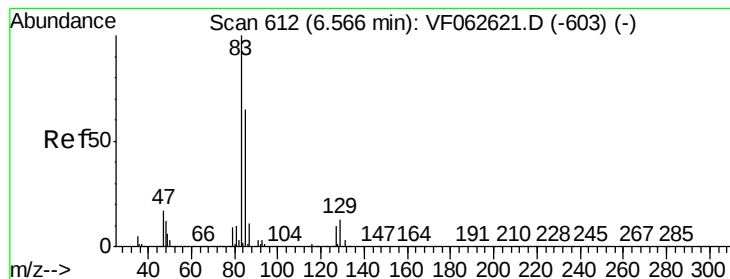
Tot Ion: 63 Resp: 221162
 Ion Ratio Lower Upper
 63 100
 65 31.2 26.3 39.5



#46
 Dibromomethane
 Concen: 21.421 ug/l
 RT: 6.29 min Scan# 583
 Delta R.T. 0.02 min
 Lab File: VF062760.D
 Acq: 28 May 2019 14:56

Tgt Ion: 93 Resp: 120931
 Ion Ratio Lower Upper
 93 100
 95 89.9 67.4 101.2
 174 100.8 79.4 119.2





#47

Bromodichloromethane

Concen: 22.337 ug/l

RT: 6.57 min Scan# 612

Delta R.T. 0.01 min

Lab File: VF062760.D

Acq: 28 May 2019 14:56

Instrument :

MSVOA_F

ClientSampleId :

VF0528SBSD02

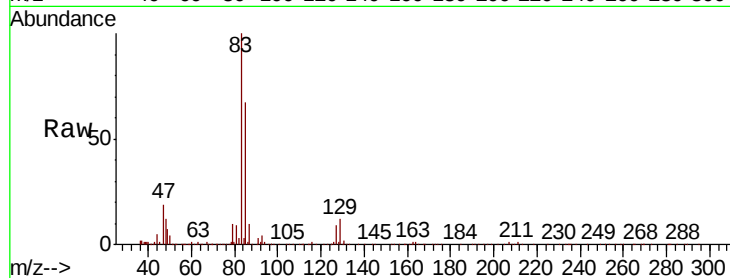
Tot Ion: 83 Resp: 261793

Ion Ratio Lower Upper

83 100

85 66.8 52.0 78.0

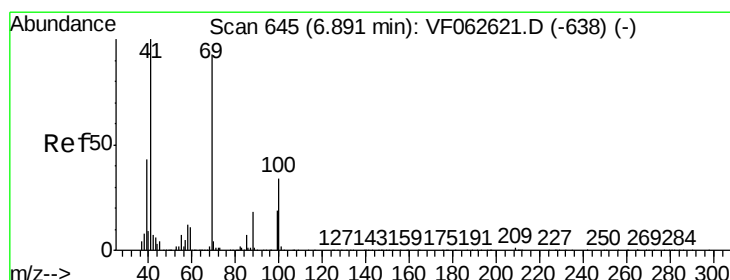
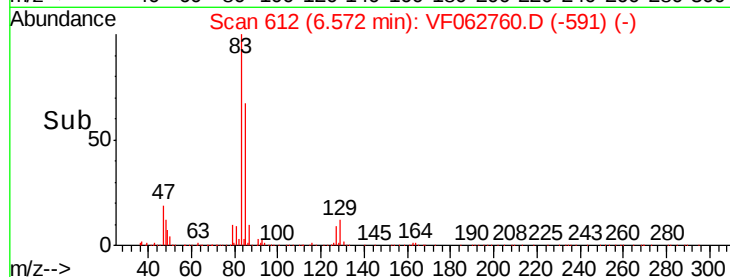
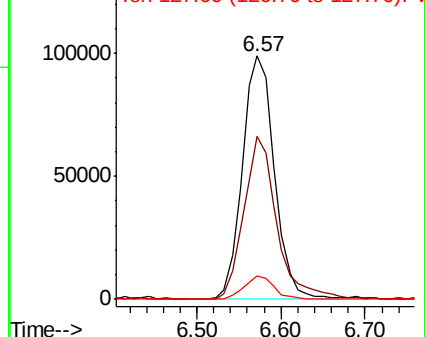
127 9.4 7.7 11.5



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: 18.569 ug/l

RT: 6.90 min Scan# 645

Delta R.T. 0.01 min

Lab File: VF062760.D

Acq: 28 May 2019 14:56

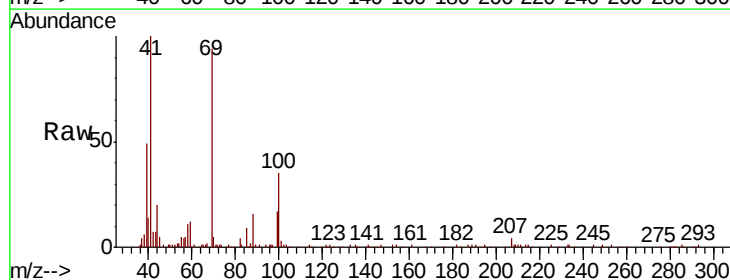
Tgt Ion: 41 Resp: 72927

Ion Ratio Lower Upper

41 100

69 94.2 74.2 111.2

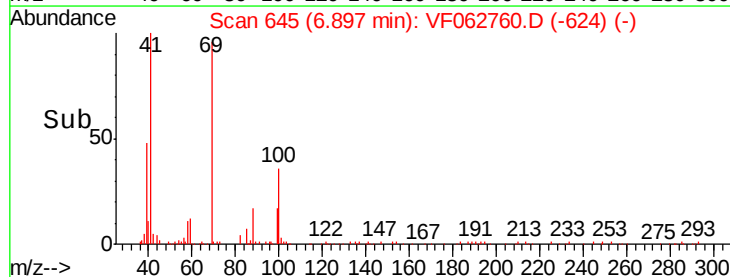
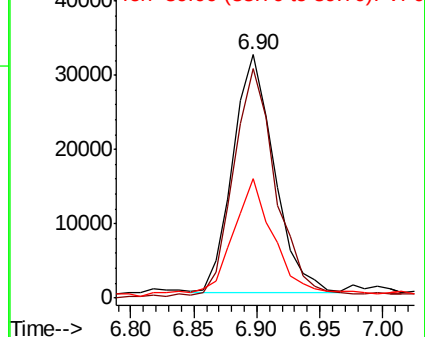
39 49.3 34.2 51.4

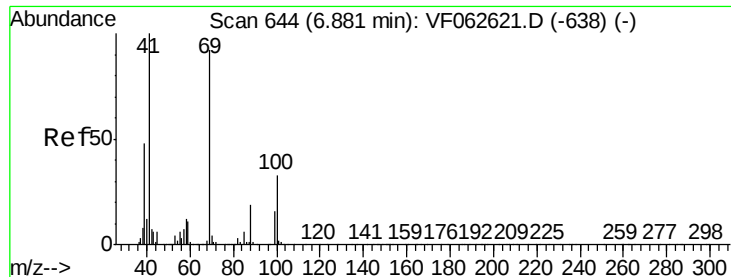


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

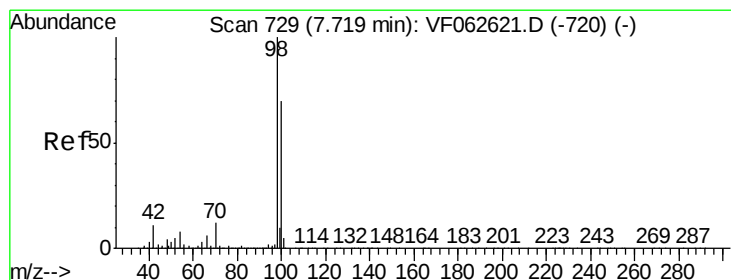
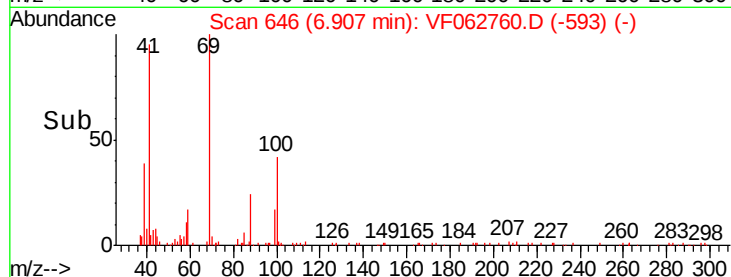
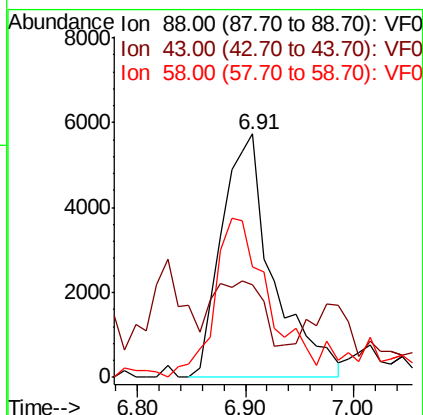
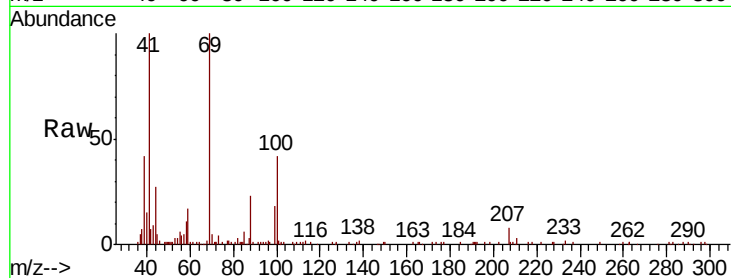




#49
1,4-Dioxane
Concen: 375.481 ug/l
RT: 6.91 min Scan# 646
Delta R.T. 0.03 min
Lab File: VF062760.D
Acq: 28 May 2019 14:56

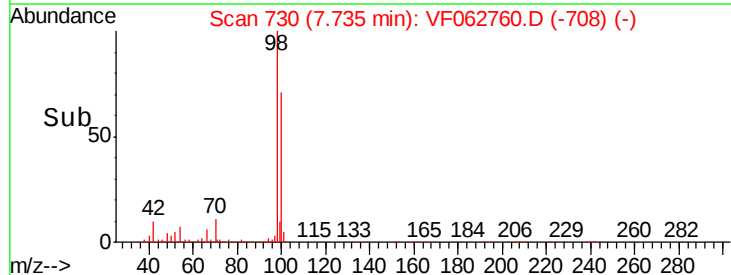
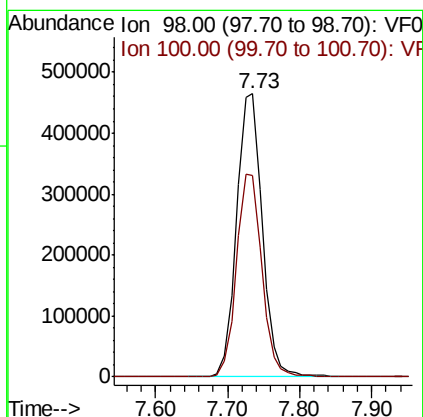
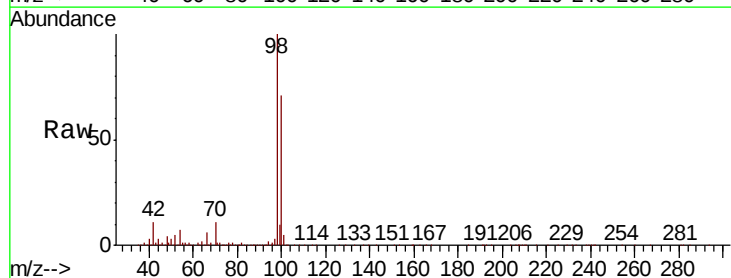
Instrument :
MSVOA_F
ClientSampleId :
VF0528SBS02

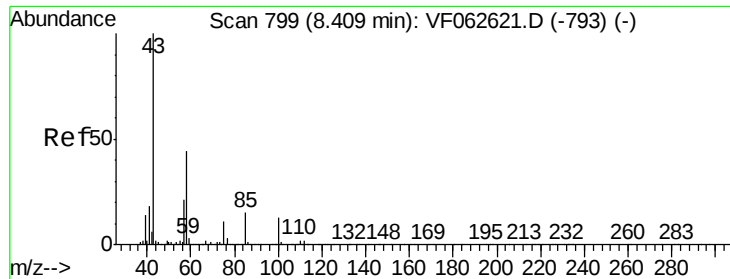
Tot Ion: 88 Resp: 18887
Ion Ratio Lower Upper
88 100
43 37.8 30.0 45.0
58 45.2 51.1 76.7#



#50
Toluene-d8
Concen: 45.761 ug/l
RT: 7.73 min Scan# 730
Delta R.T. 0.02 min
Lab File: VF062760.D
Acq: 28 May 2019 14:56

Tgt Ion: 98 Resp: 1158969
Ion Ratio Lower Upper
98 100
100 71.2 56.2 84.2





#51

4-Methyl-2-Pentanone

Concen: 105.629 ug/l

RT: 8.42 min Scan# 800

Delta R.T. 0.02 min

Lab File: VF062760.D

Acq: 28 May 2019 14:56

Instrument :

MSVOA_F

ClientSampleId :

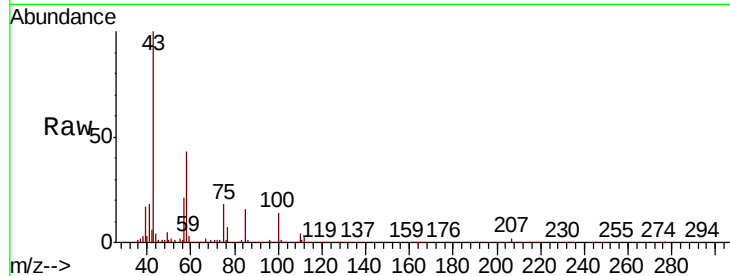
VF0528SBSD02

Tot Ion: 43 Resp: 542504

Ion Ratio Lower Upper

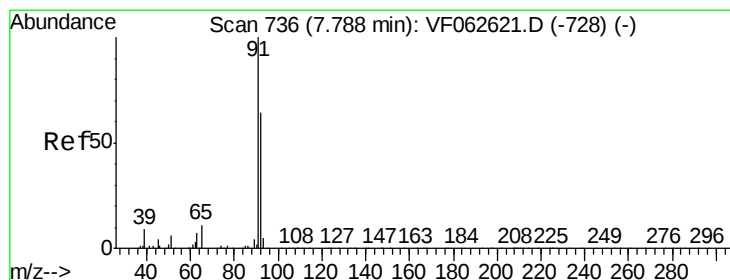
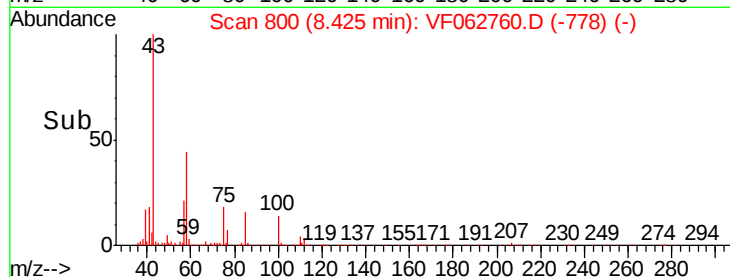
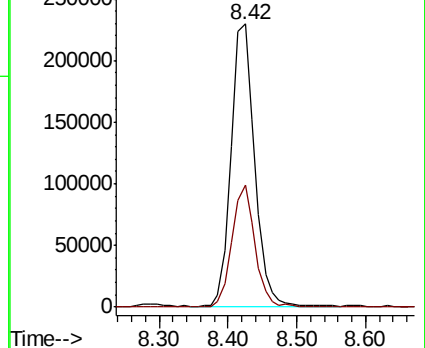
43 100

58 43.3 34.9 52.3



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 21.953 ug/l

RT: 7.80 min Scan# 737

Delta R.T. 0.02 min

Lab File: VF062760.D

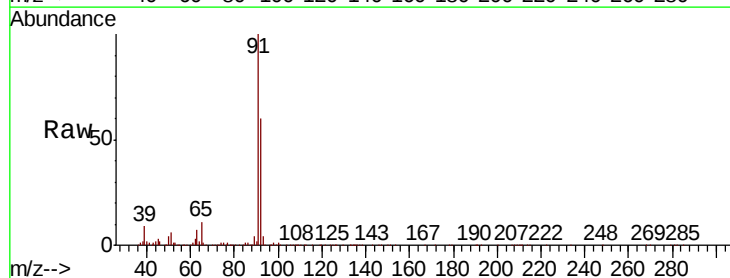
Acq: 28 May 2019 14:56

Tgt Ion: 92 Resp: 445525

Ion Ratio Lower Upper

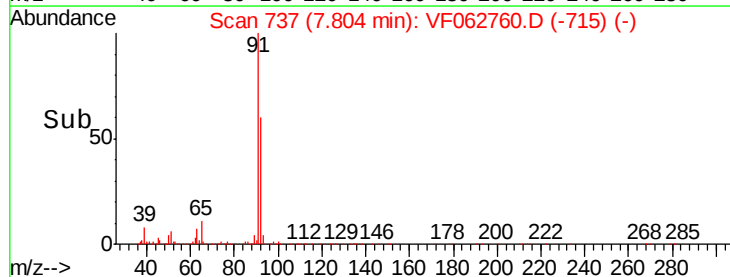
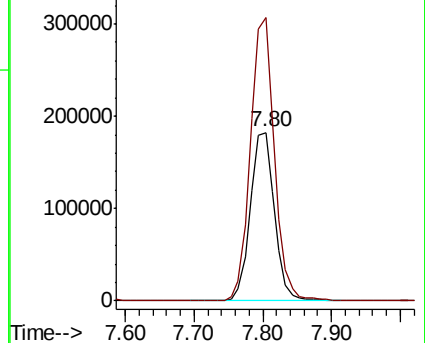
92 100

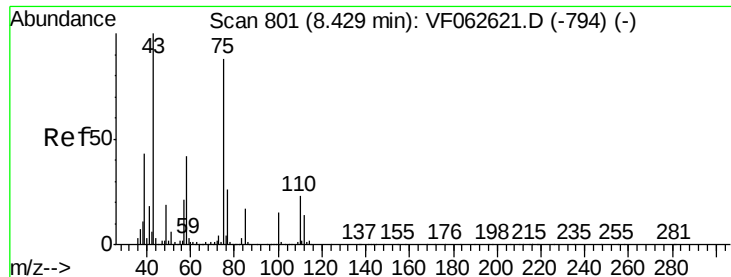
91 167.9 125.4 188.0



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 21.164 ug/l

RT: 8.44 min Scan# 802

Delta R.T. 0.02 min

Lab File: VF062760.D

Acq: 28 May 2019 14:56

Instrument :

MSVOA_F

ClientSampleId :

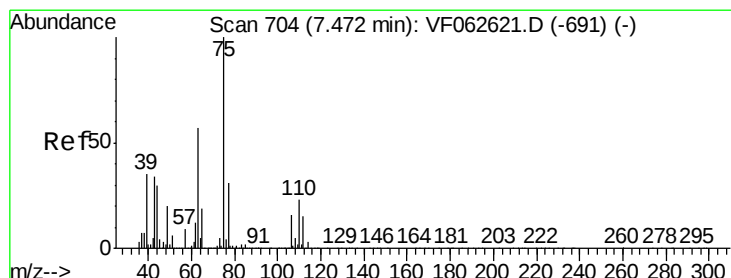
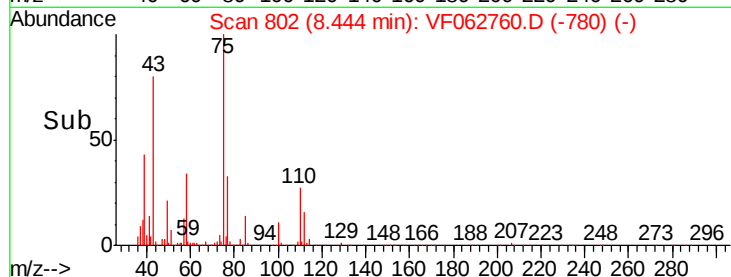
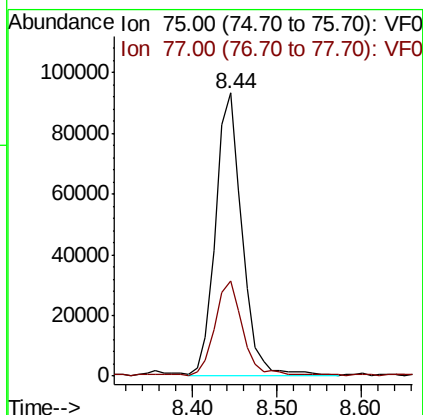
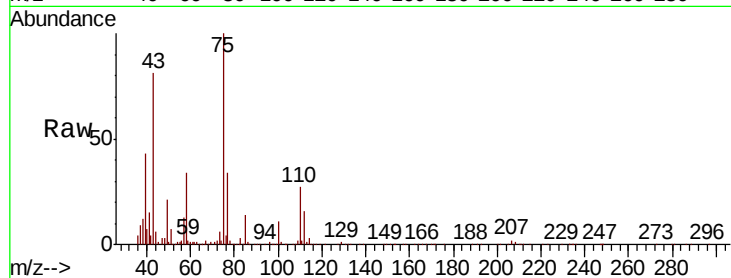
VF0528SBS02

Tot Ion: 75 Resp: 202932

Ion Ratio Lower Upper

75 100

77 33.6 24.2 36.4



#54

cis-1,3-Dichloropropene

Concen: 23.390 ug/l

RT: 7.48 min Scan# 704

Delta R.T. 0.01 min

Lab File: VF062760.D

Acq: 28 May 2019 14:56

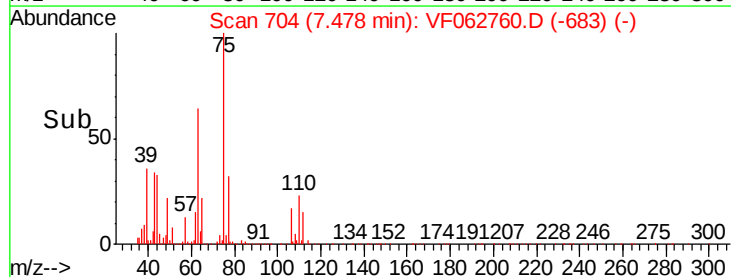
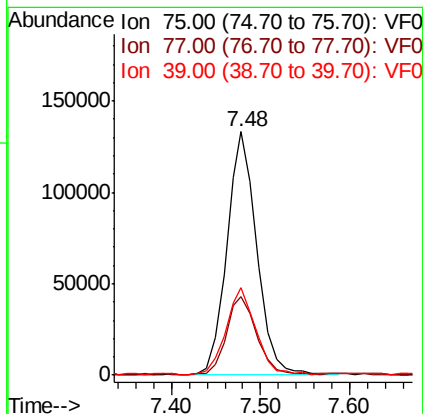
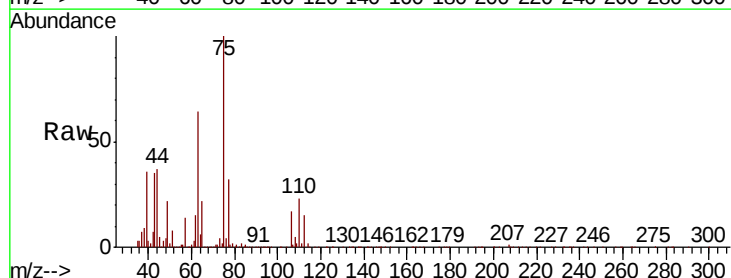
Tgt Ion: 75 Resp: 313944

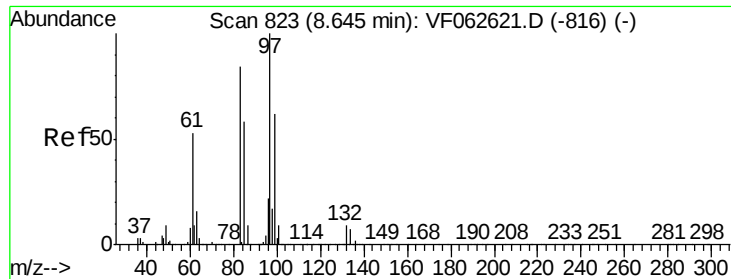
Ion Ratio Lower Upper

75 100

77 32.4 25.3 37.9

39 35.9 28.2 42.2





#55

1,1,2-Trichloroethane

Concen: 22.968 ug/l

RT: 8.65 min Scan# 823

Delta R.T. 0.01 min

Lab File: VF062760.D

Acq: 28 May 2019 14:56

Instrument :

MSVOA_F

ClientSampleId :

VF0528SBS02

Tot Ion: 97 Resp: 138013

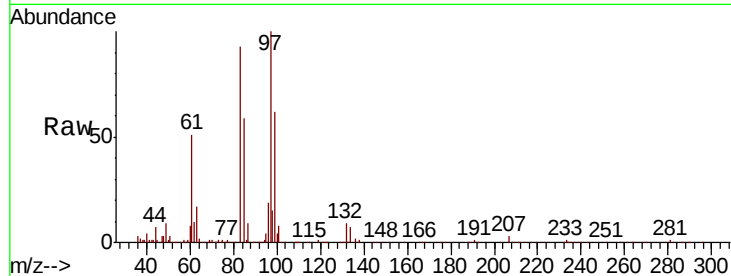
Ion Ratio Lower Upper

97 100

83 93.5 67.3 100.9

85 58.5 46.6 69.8

99 62.4 49.7 74.5

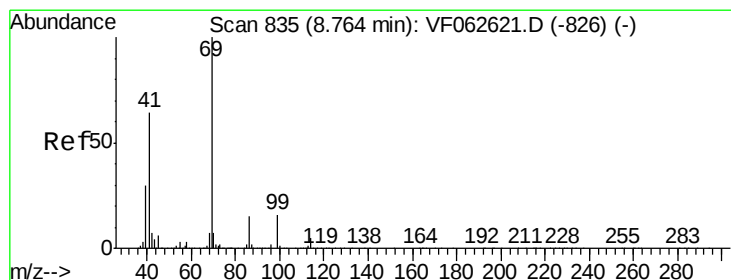
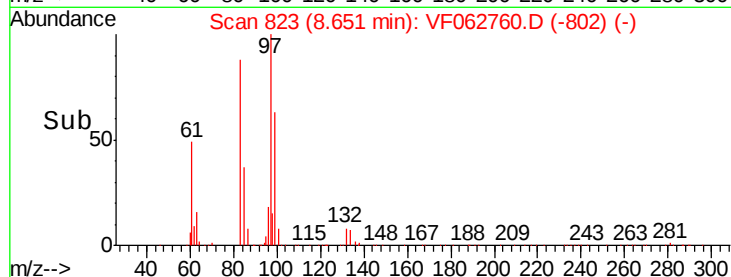
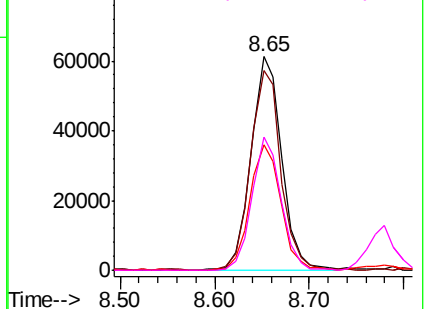


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 19.385 ug/l

RT: 8.77 min Scan# 835

Delta R.T. 0.01 min

Lab File: VF062760.D

Acq: 28 May 2019 14:56

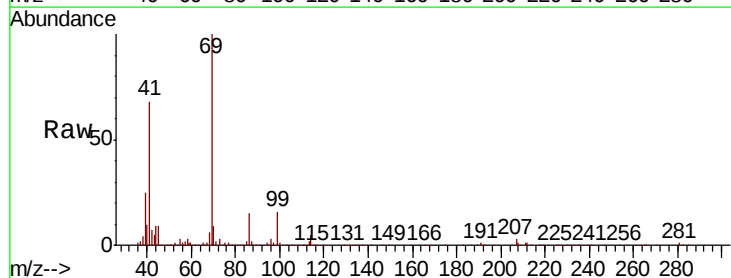
Tgt Ion: 69 Resp: 138774

Ion Ratio Lower Upper

69 100

41 67.7 51.4 77.2

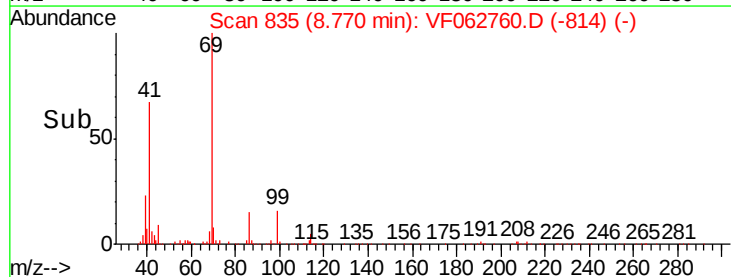
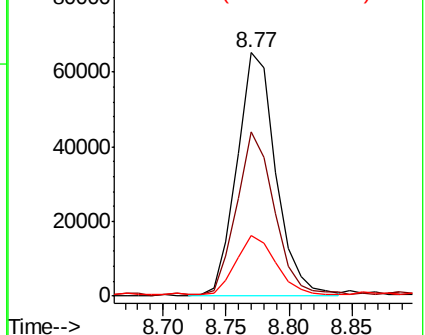
39 24.6 23.6 35.4

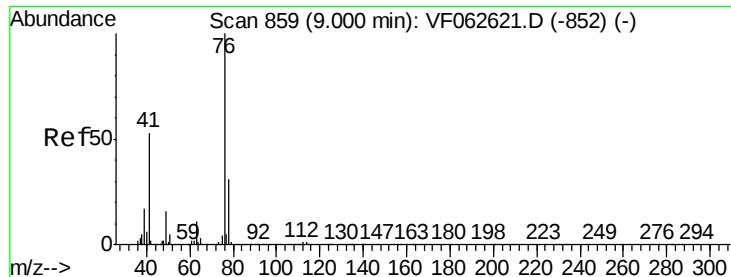


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 21.374 ug/l

RT: 9.02 min Scan# 860

Delta R.T. 0.02 min

Lab File: VF062760.D

Acq: 28 May 2019 14:56

Instrument :

MSVOA_F

ClientSampleId :

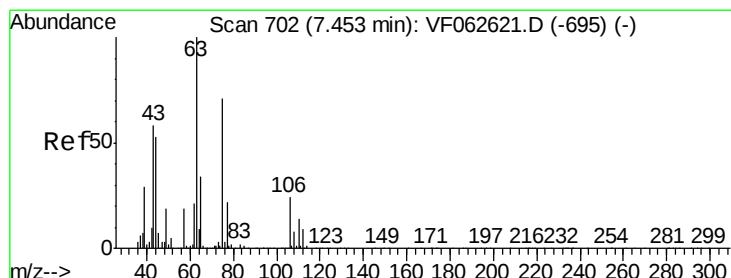
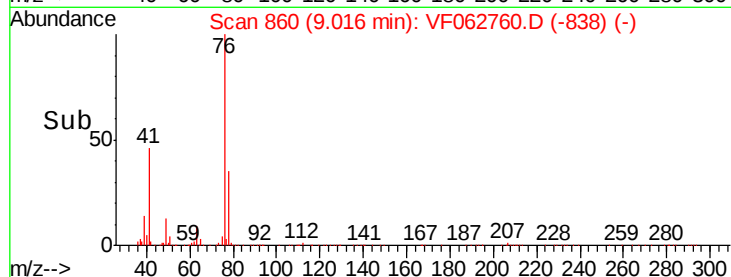
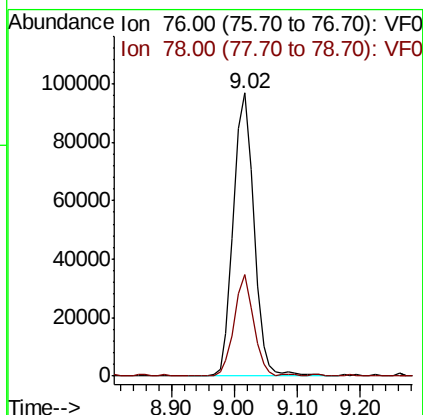
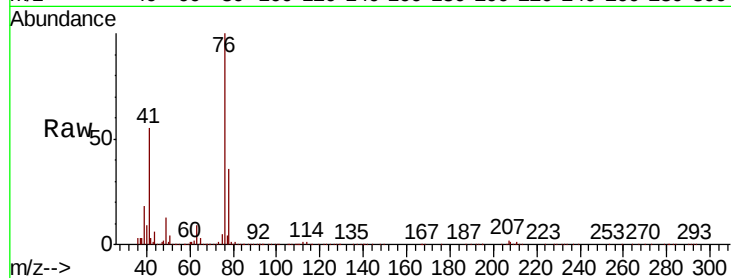
VF0528SBSD02

Tot Ion: 76 Resp: 218761

Ion Ratio Lower Upper

76 100

78 35.7 25.4 38.0



#58

2-Chloroethyl Vinyl ether

Concen: 106.262 ug/l

RT: 7.47 min Scan# 703

Delta R.T. 0.02 min

Lab File: VF062760.D

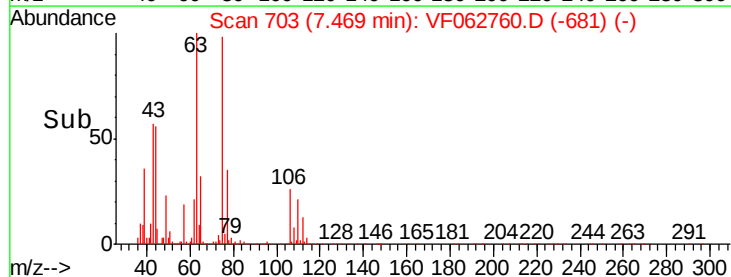
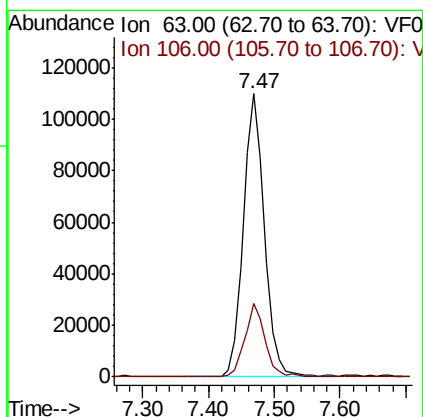
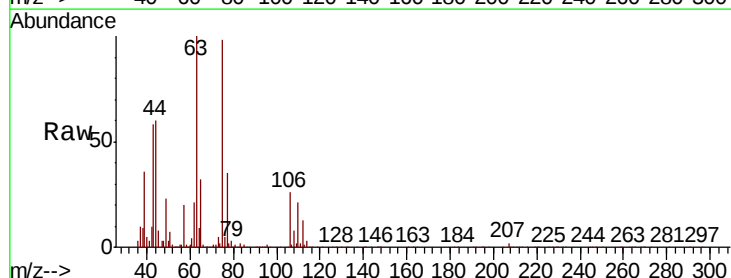
Acq: 28 May 2019 14:56

Tgt Ion: 63 Resp: 247614

Ion Ratio Lower Upper

63 100

106 26.0 19.1 28.7

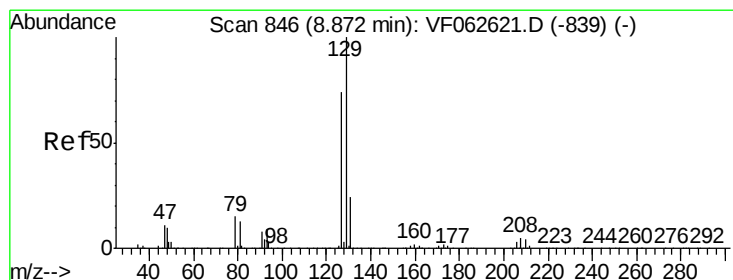
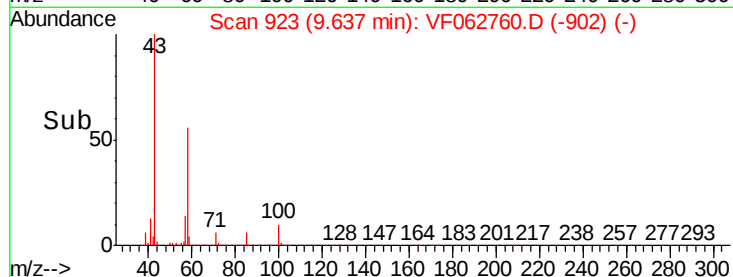
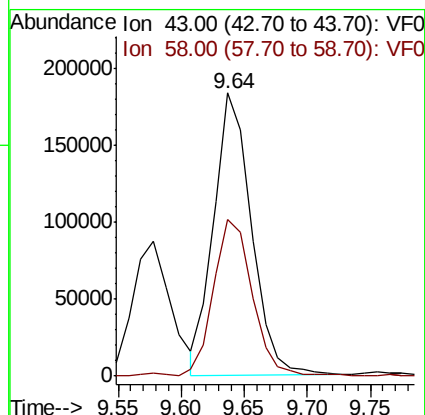
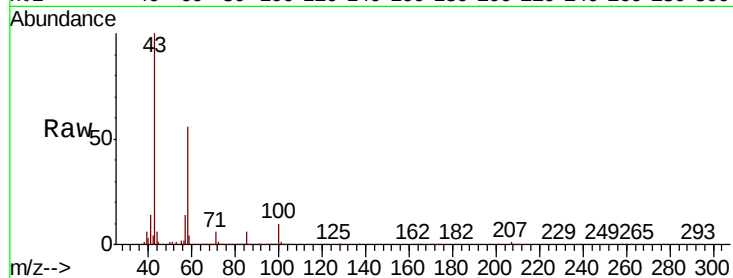




#59
2-Hexanone
Concen: 103.469 ug/l
RT: 9.64 min Scan# 923
Delta R.T. 0.01 min
Lab File: VF062760.D
Acq: 28 May 2019 14:56

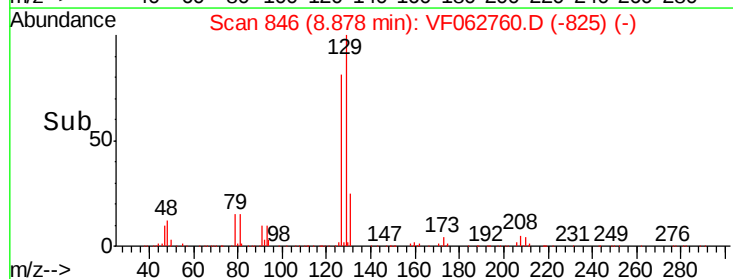
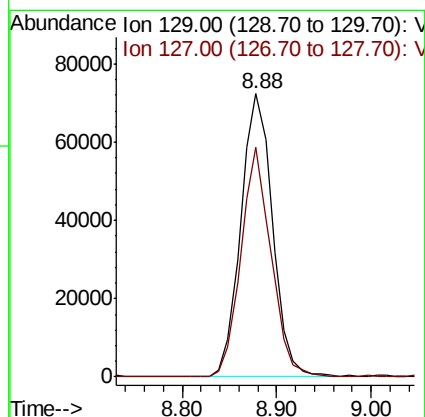
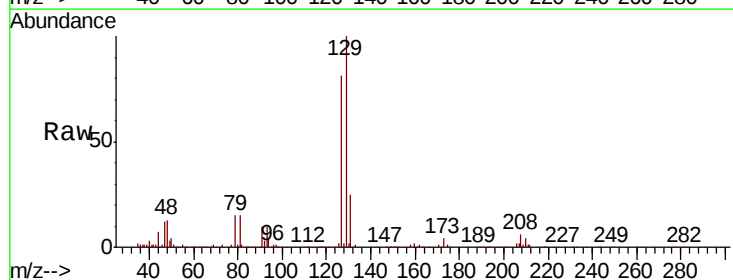
Instrument :
MSVOA_F
ClientSampleId :
VF0528SBSD02

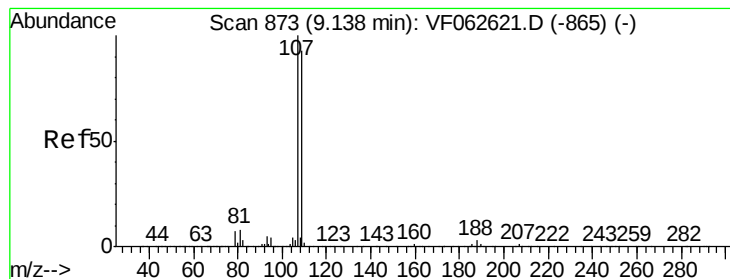
Tot Ion: 43 Resp: 380654
Ion Ratio Lower Upper
43 100
58 55.6 28.1 84.4



#60
Dibromochloromethane
Concen: 21.527 ug/l
RT: 8.88 min Scan# 846
Delta R.T. 0.01 min
Lab File: VF062760.D
Acq: 28 May 2019 14:56

Tgt Ion: 129 Resp: 168589
Ion Ratio Lower Upper
129 100
127 81.1 37.2 111.6





#61

1,2-Dibromoethane

Concen: 21.714 ug/l

RT: 9.15 min Scan# 874

Delta R.T. 0.02 min

Lab File: VF062760.D

Acq: 28 May 2019 14:56

Instrument :

MSVOA_F

ClientSampleId :

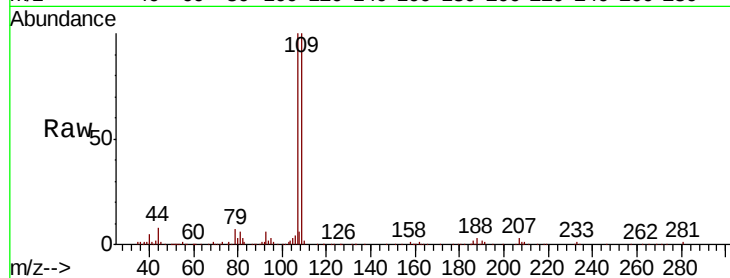
VF0528SBSD02

Tot Ion:107 Resp: 138585

Ion Ratio Lower Upper

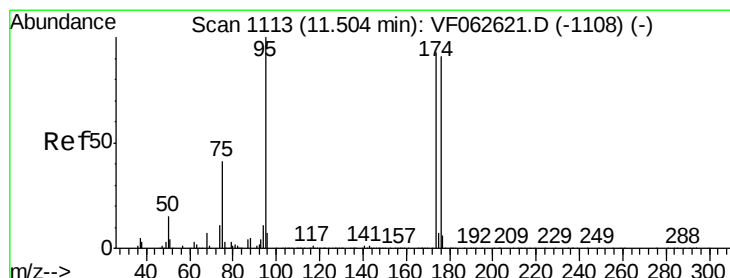
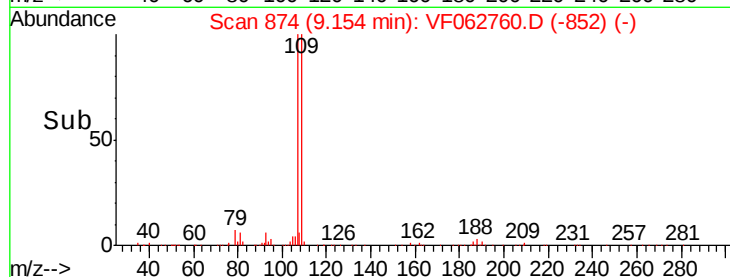
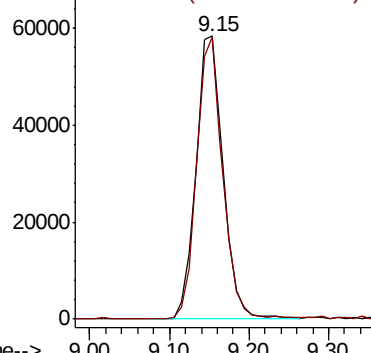
107 100

109 99.8 74.8 112.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 45.572 ug/l

RT: 11.51 min Scan# 1113

Delta R.T. 0.01 min

Lab File: VF062760.D

Acq: 28 May 2019 14:56

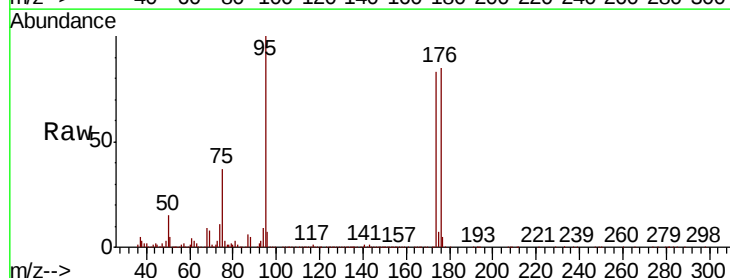
Tgt Ion: 95 Resp: 437743

Ion Ratio Lower Upper

95 100

174 83.5 0.0 185.6

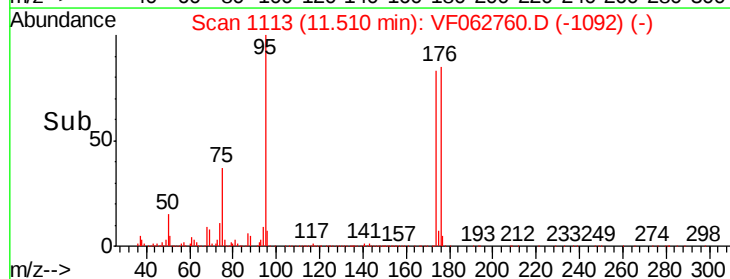
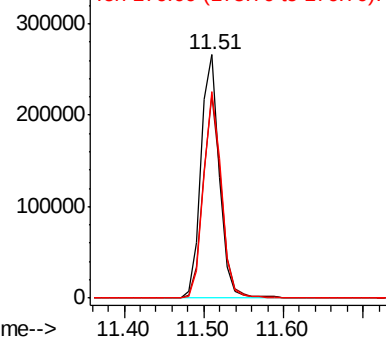
176 84.9 0.0 182.4



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

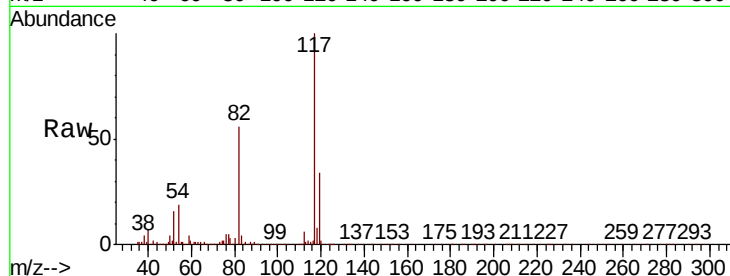




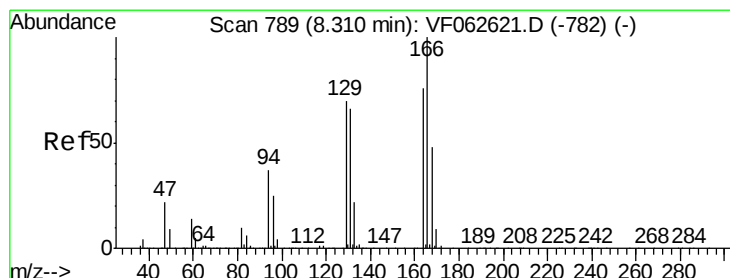
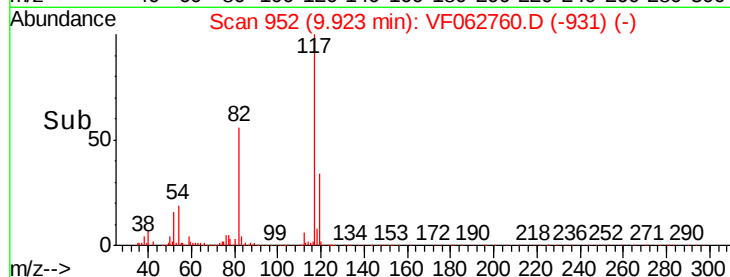
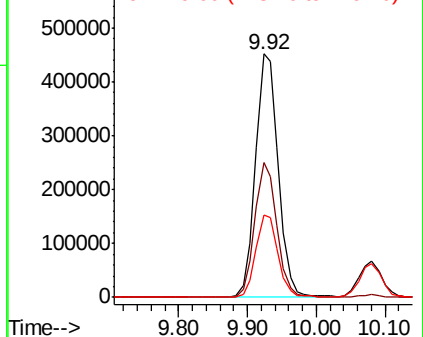
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 952
Delta R.T. 0.01 min
Lab File: VF062760.D
Acq: 28 May 2019 14:56

Instrument :
MSVOA_F
ClientSampleId :
VF0528SBS02

Tot Ion:117 Resp: 1041894
Ion Ratio Lower Upper
117 100
82 55.6 43.3 64.9
119 33.9 27.4 41.0

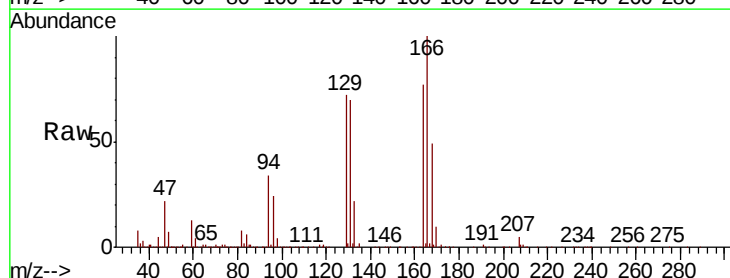


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

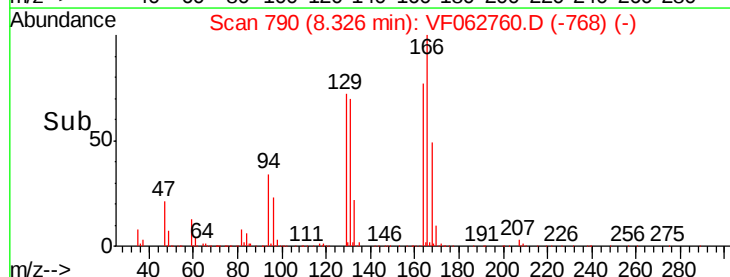
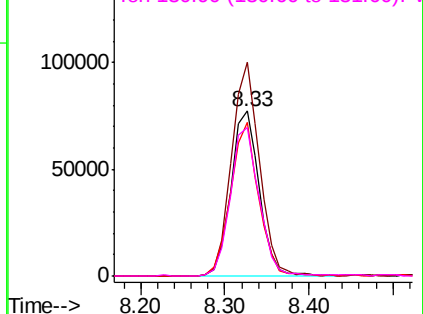


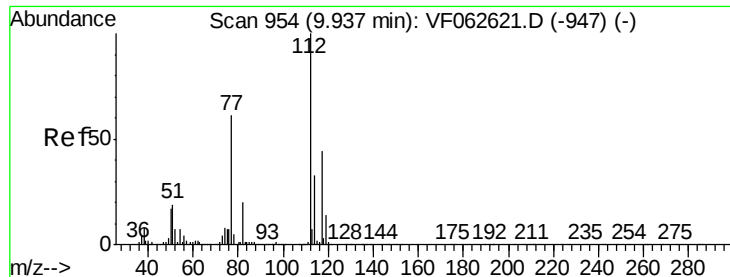
#64
Tetrachloroethene
Concen: 21.954 ug/l
RT: 8.33 min Scan# 790
Delta R.T. 0.02 min
Lab File: VF062760.D
Acq: 28 May 2019 14:56

Tgt Ion:164 Resp: 181211
Ion Ratio Lower Upper
164 100
166 129.6 105.5 158.3
129 93.6 73.8 110.6
131 90.4 69.5 104.3



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V

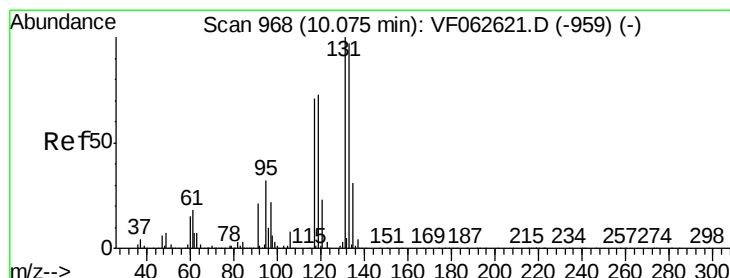
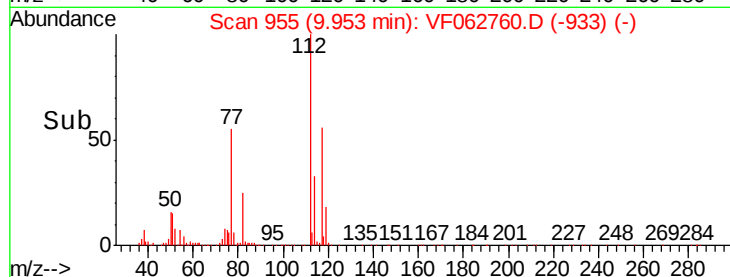
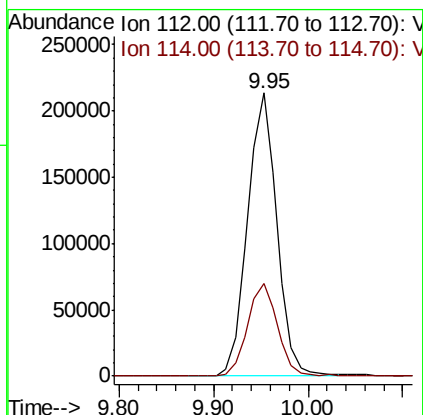
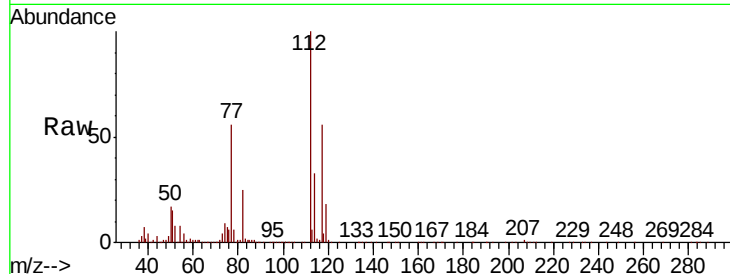




#65
Chlorobenzene
Concen: 22.422 ug/l
RT: 9.95 min Scan# 955
Delta R.T. 0.02 min
Lab File: VF062760.D
Acq: 28 May 2019 14:56

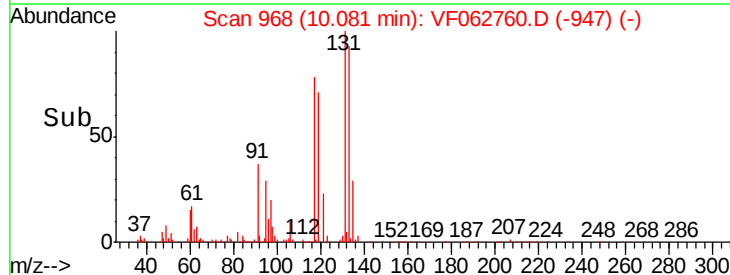
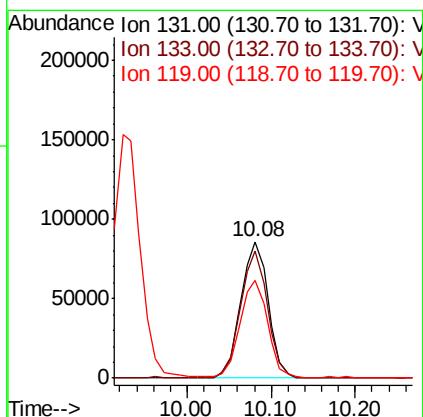
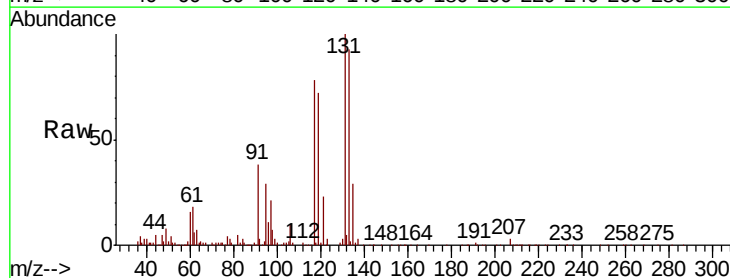
Instrument :
MSVOA_F
ClientSampleId :
VF0528SBSD02

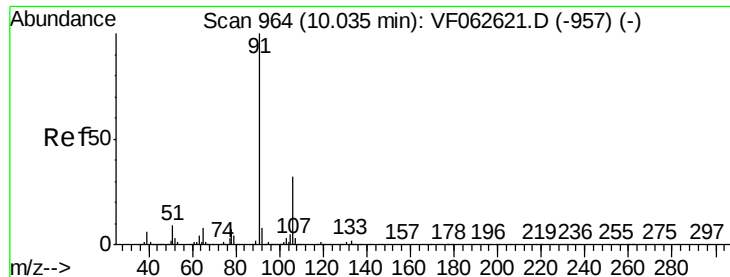
Tot Ion:112 Resp: 458848
Ion Ratio Lower Upper
112 100
114 32.8 26.8 40.2



#66
1,1,1,2-Tetrachloroethane
Concen: 23.749 ug/l
RT: 10.08 min Scan# 968
Delta R.T. 0.01 min
Lab File: VF062760.D
Acq: 28 May 2019 14:56

Tgt Ion:131 Resp: 195102
Ion Ratio Lower Upper
131 100
133 93.4 48.5 145.5
119 71.6 36.8 110.4

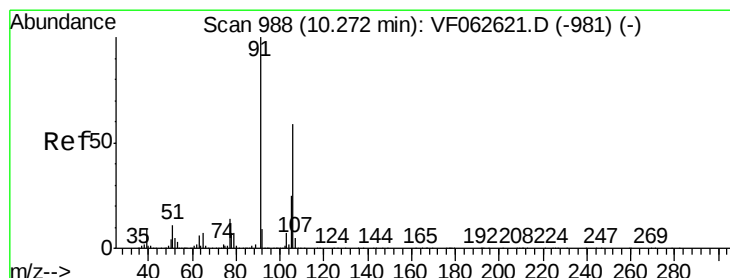
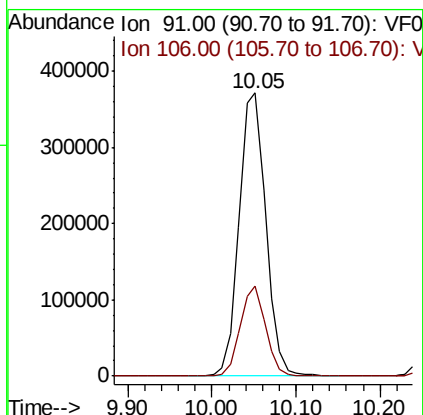
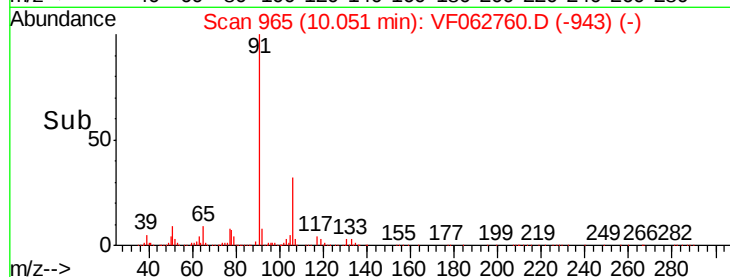
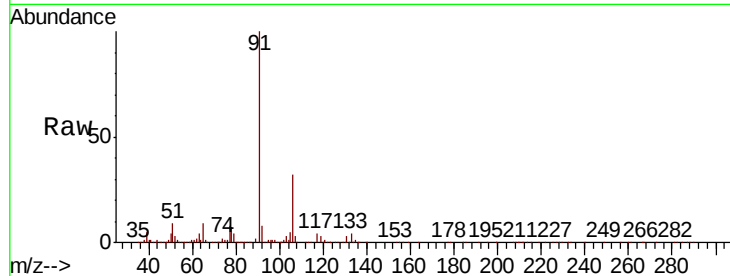




#67
Ethyl Benzene
Concen: 23.108 ug/l
RT: 10.05 min Scan# 965
Delta R.T. 0.02 min
Lab File: VF062760.D
Acq: 28 May 2019 14:56

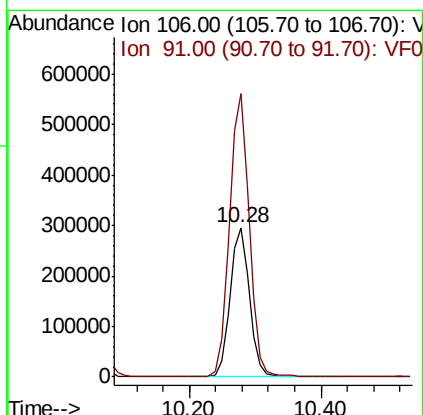
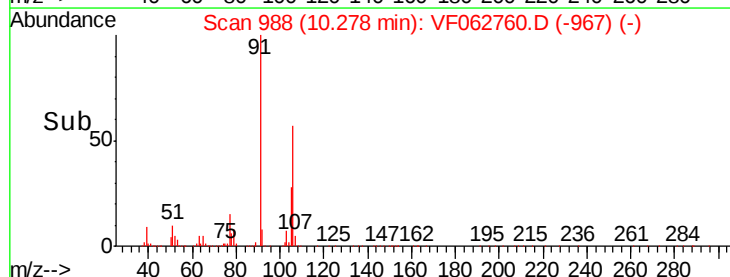
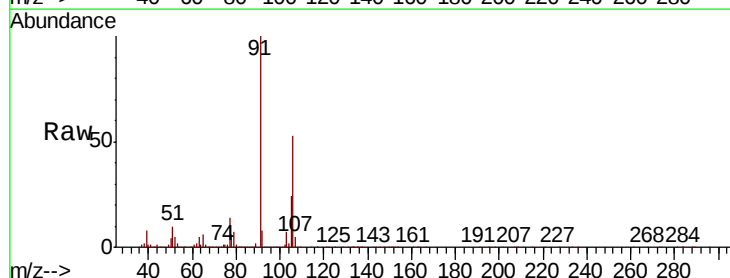
Instrument :
MSVOA_F
ClientSampleId :
VF0528SBS02

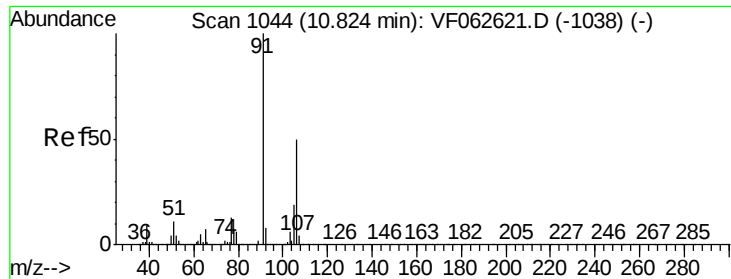
Tot Ion: 91 Resp: 821491
Ion Ratio Lower Upper
91 100
106 32.0 25.8 38.8



#68
m/p-Xylenes
Concen: 45.756 ug/l
RT: 10.28 min Scan# 988
Delta R.T. 0.01 min
Lab File: VF062760.D
Acq: 28 May 2019 14:56

Tgt Ion: 106 Resp: 611353
Ion Ratio Lower Upper
106 100
91 189.9 136.9 205.3

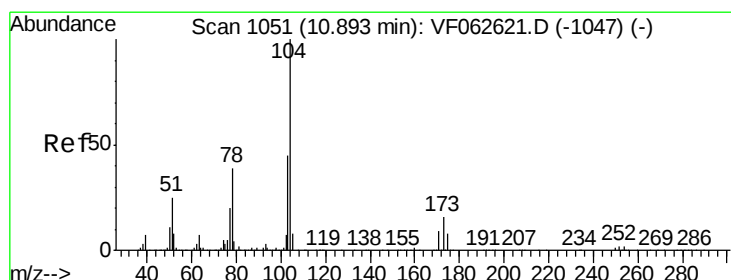
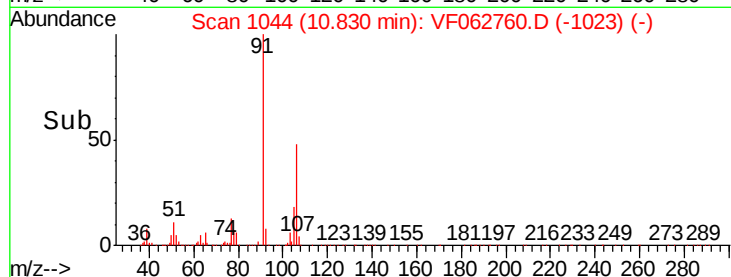
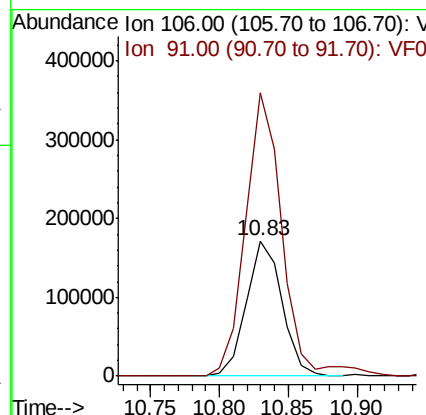
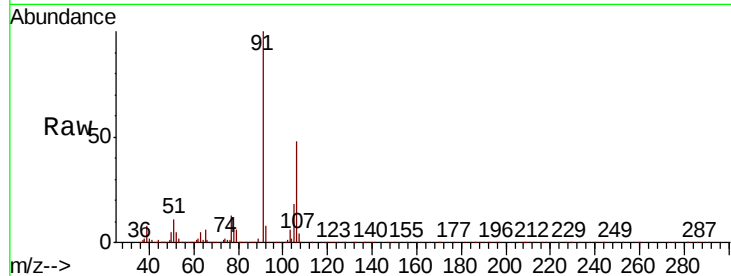




#69
o-Xylene
Concen: 22.524 ug/l
RT: 10.83 min Scan# 1044
Delta R.T. 0.01 min
Lab File: VF062760.D
Acq: 28 May 2019 14:56

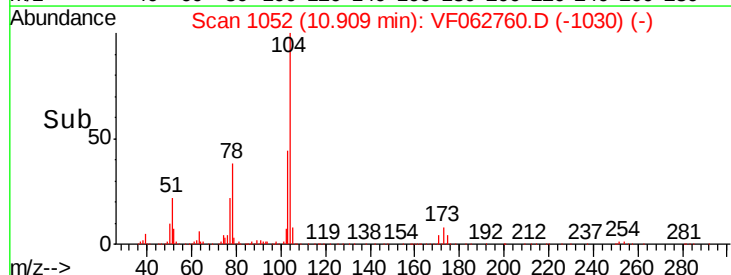
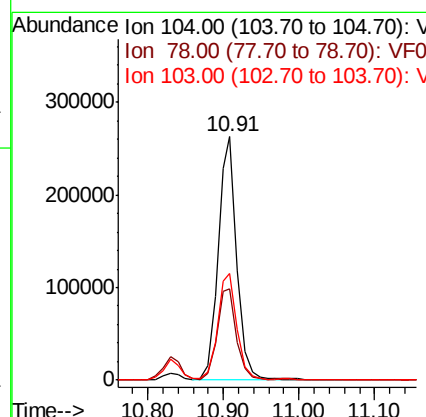
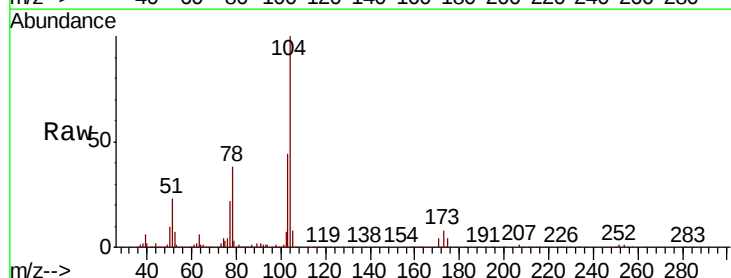
Instrument :
MSVOA_F
ClientSampleId :
VF0528SBS02

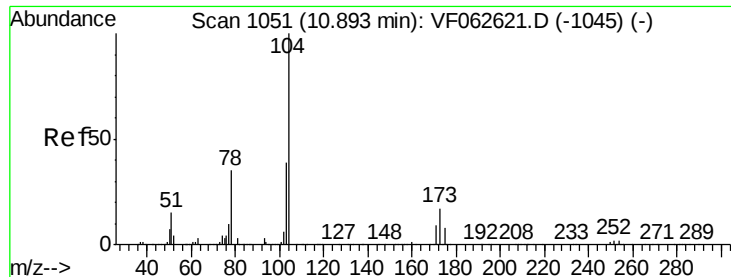
Tot Ion:106 Resp: 309977
Ion Ratio Lower Upper
106 100
91 209.6 100.2 300.5



#70
Styrene
Concen: 21.761 ug/l
RT: 10.91 min Scan# 1052
Delta R.T. 0.02 min
Lab File: VF062760.D
Acq: 28 May 2019 14:56

Tgt Ion:104 Resp: 455182
Ion Ratio Lower Upper
104 100
78 37.7 31.9 47.9
103 44.0 36.1 54.1





#71

Bromoform

Concen: 21.247 ug/l

RT: 10.89 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VF062760.D

Acq: 28 May 2019 14:56

Instrument :

MSVOA_F

ClientSampleId :

VF0528SBS02

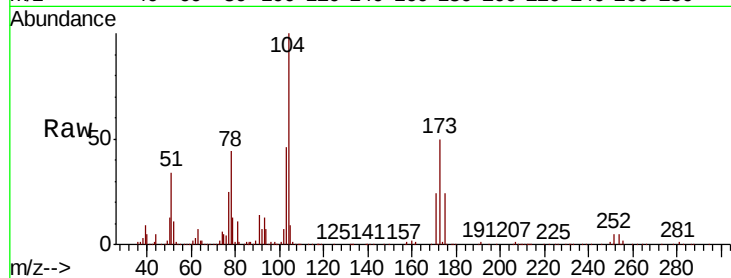
Tot Ion:173 Resp: 87420

Ion Ratio Lower Upper

173 100

175 49.2 25.3 75.9

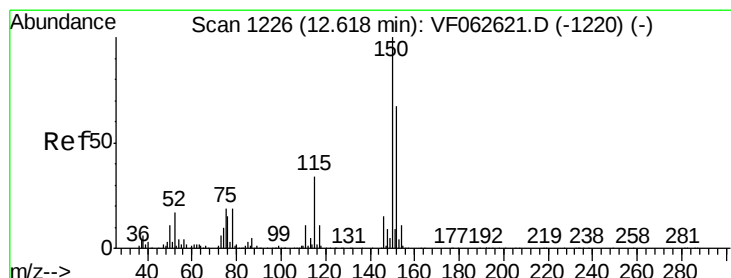
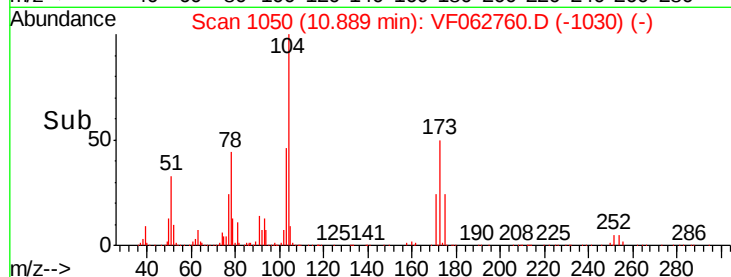
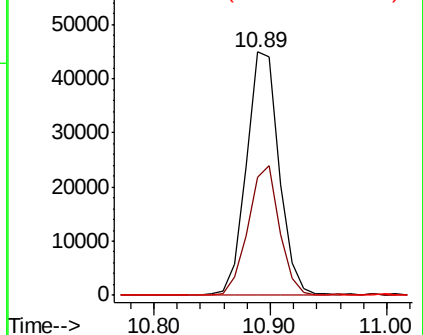
254 0.3 0.2 0.2#



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: 12.62 min Scan# 1226

Delta R.T. 0.01 min

Lab File: VF062760.D

Acq: 28 May 2019 14:56

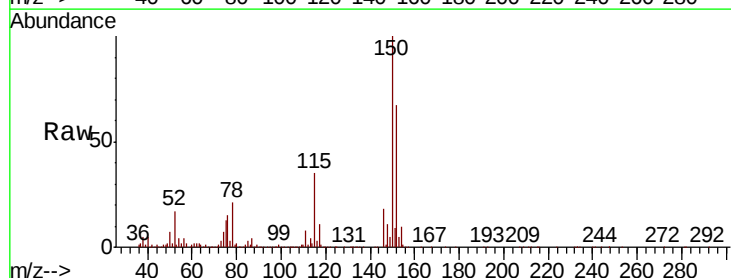
Tgt Ion:152 Resp: 505177

Ion Ratio Lower Upper

152 100

115 51.4 25.2 75.6

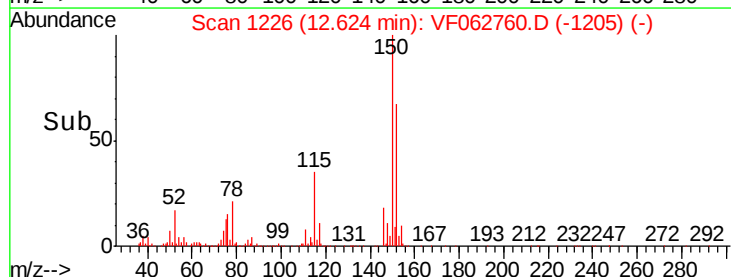
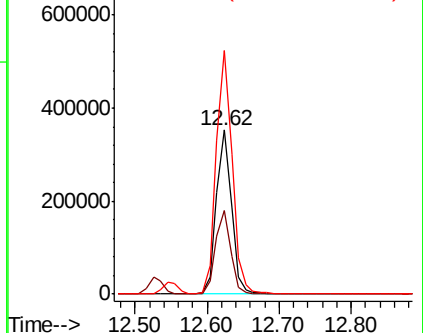
150 148.4 0.0 306.2

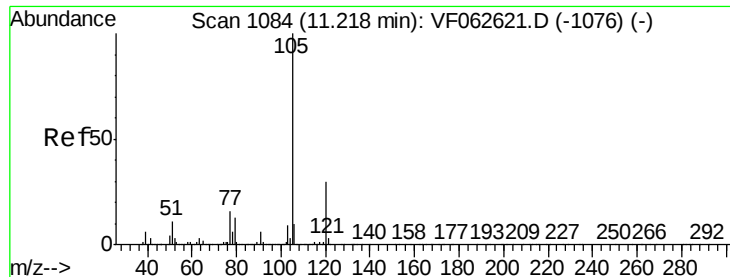


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 23.259 ug/l

RT: 11.22 min Scan# 1084

Delta R.T. 0.01 min

Lab File: VF062760.D

Acq: 28 May 2019 14:56

Instrument :

MSVOA_F

ClientSampleId :

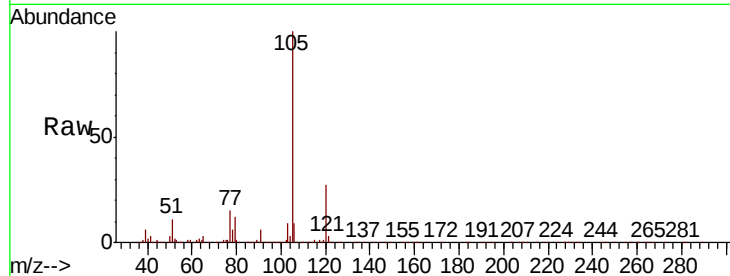
VF0528SBS02

Tot Ion:105 Resp: 842133

Ion Ratio Lower Upper

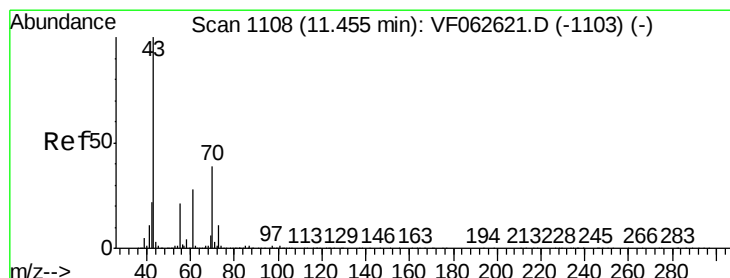
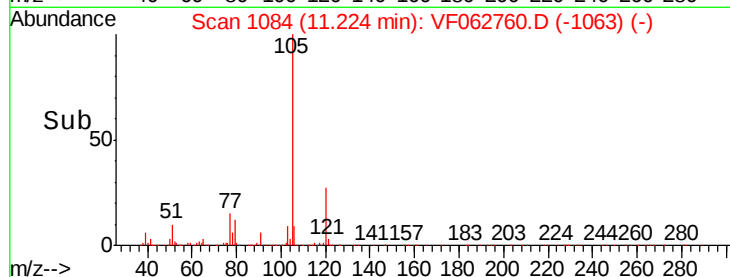
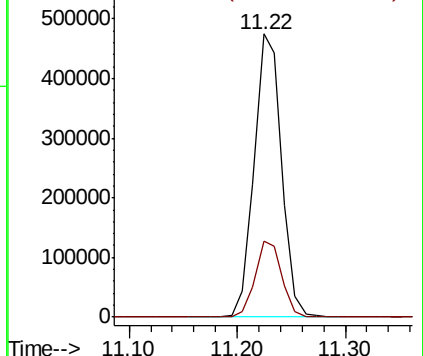
105 100

120 26.7 14.8 44.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 22.678 ug/l

RT: 11.46 min Scan# 1108

Delta R.T. 0.01 min

Lab File: VF062760.D

Acq: 28 May 2019 14:56

Tgt Ion: 43 Resp: 236081

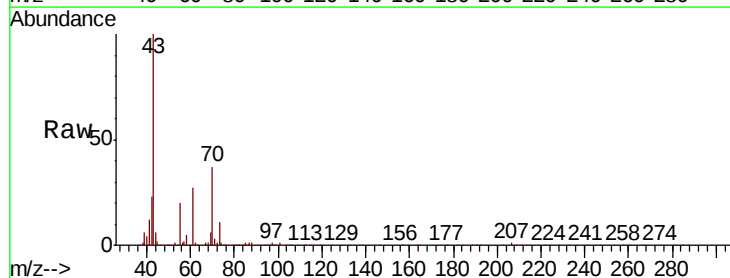
Ion Ratio Lower Upper

43 100

70 37.1 30.9 46.3

55 19.7 17.0 25.4

61 27.4 22.6 34.0

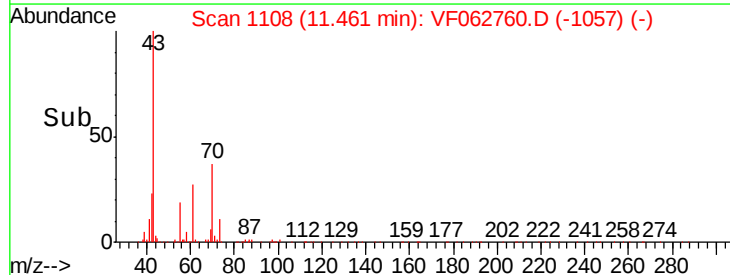
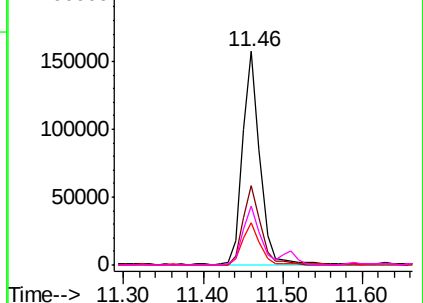


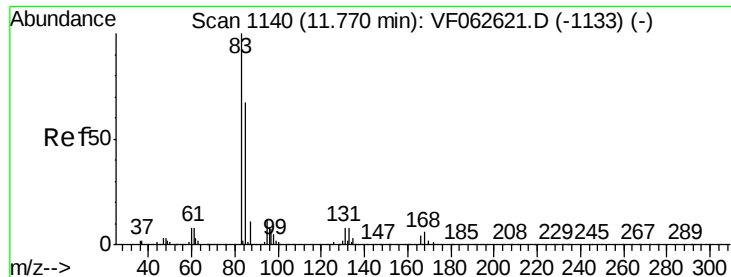
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 21.579 ug/l

RT: 11.78 min Scan# 1140

Delta R.T. 0.01 min

Lab File: VF062760.D

Acq: 28 May 2019 14:56

Instrument :

MSVOA_F

ClientSampleId :

VF0528SBSD02

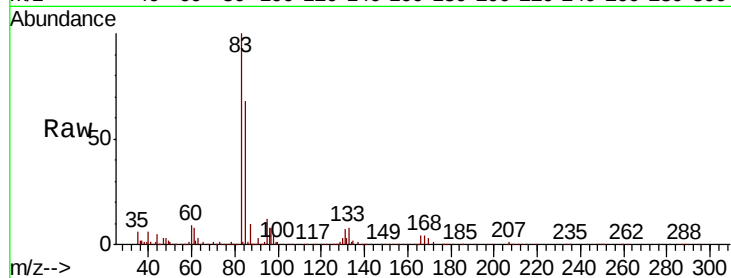
Tot Ion: 83 Resp: 159674

Ion Ratio Lower Upper

83 100

131 7.5 4.0 12.0

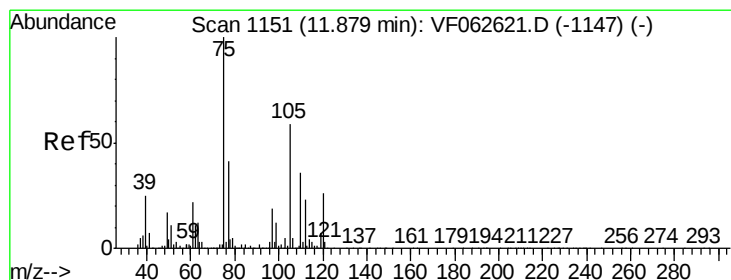
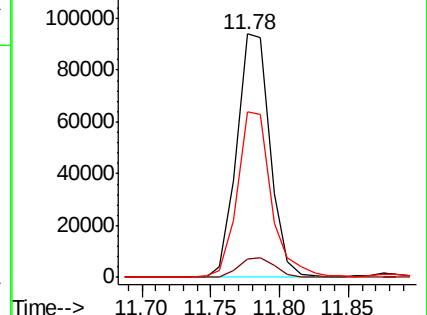
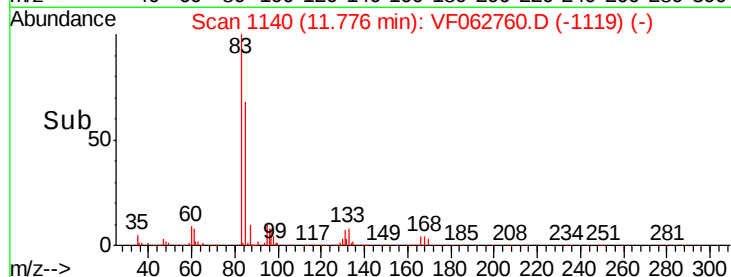
85 68.1 33.5 100.5



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: 20.676 ug/l

RT: 11.88 min Scan# 1151

Delta R.T. 0.01 min

Lab File: VF062760.D

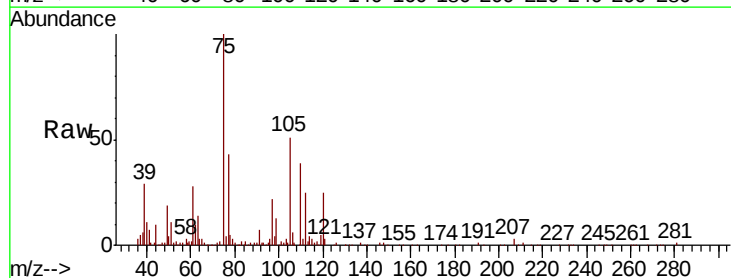
Acq: 28 May 2019 14:56

Tgt Ion: 75 Resp: 100525

Ion Ratio Lower Upper

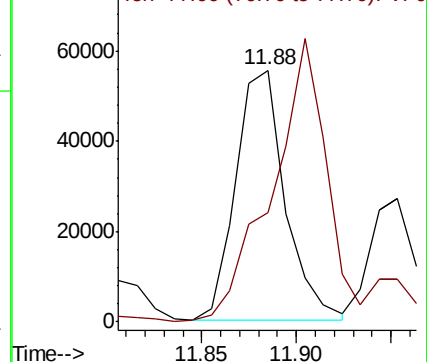
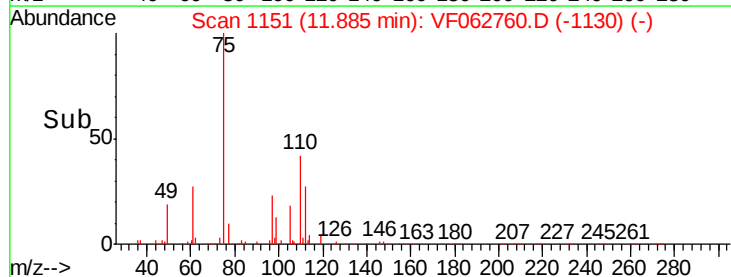
75 100

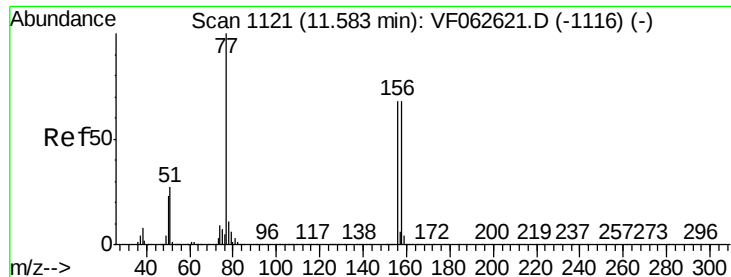
77 43.4 20.6 61.8



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 21.309 ug/l

RT: 11.59 min Scan# 1121

Delta R.T. 0.01 min

Lab File: VF062760.D

Acq: 28 May 2019 14:56

Instrument :

MSVOA_F

ClientSampleId :

VF0528SBS02

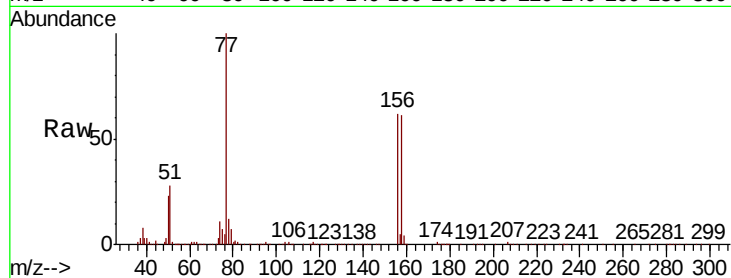
Tot Ion:156 Resp: 191776

Ion Ratio Lower Upper

156 100

77 162.6 73.6 220.8

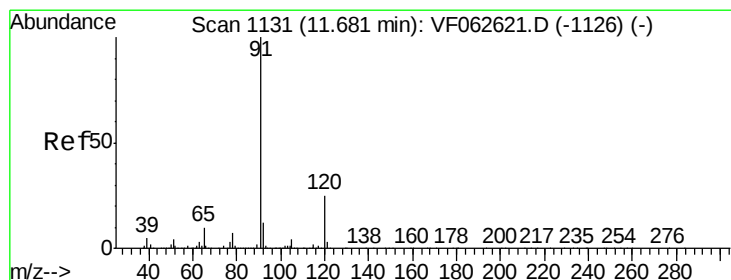
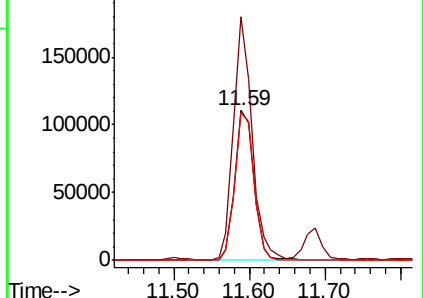
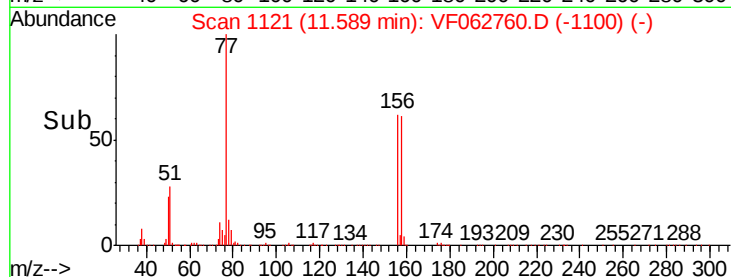
158 98.9 49.6 148.8



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: 22.883 ug/l

RT: 11.69 min Scan# 1131

Delta R.T. 0.01 min

Lab File: VF062760.D

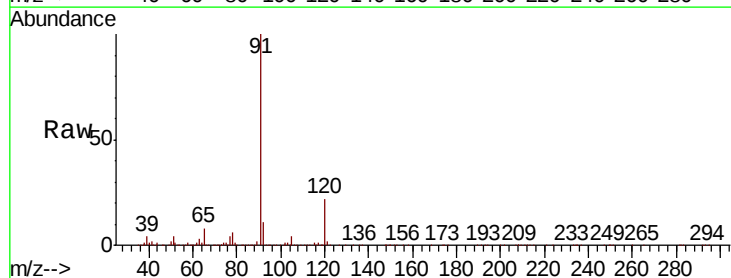
Acq: 28 May 2019 14:56

Tgt Ion: 91 Resp: 980523

Ion Ratio Lower Upper

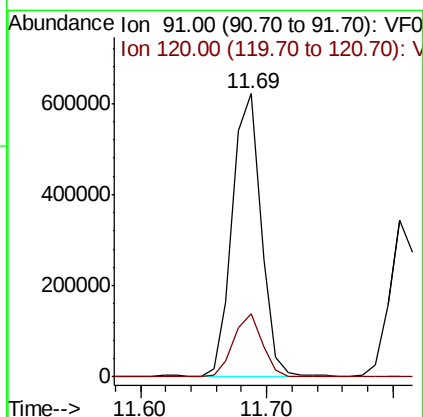
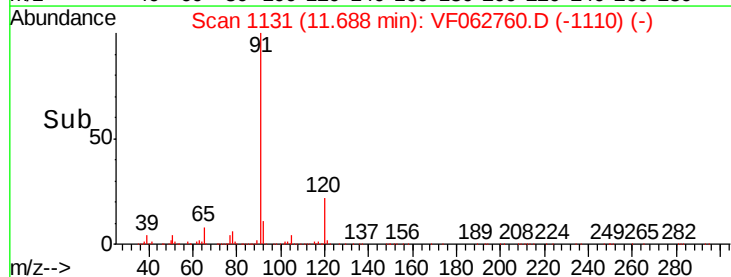
91 100

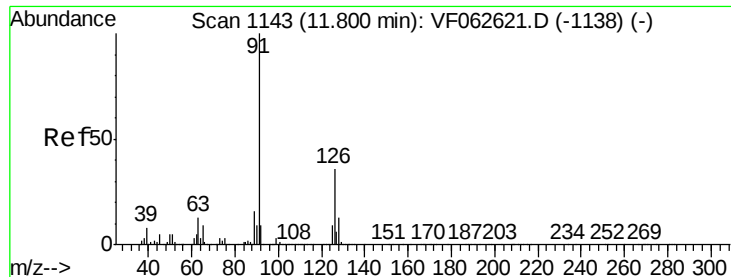
120 22.4 12.7 38.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 22.102 ug/l

RT: 11.81 min Scan# 1143

Delta R.T. 0.01 min

Lab File: VF062760.D

Acq: 28 May 2019 14:56

Instrument :

MSVOA_F

ClientSampleId :

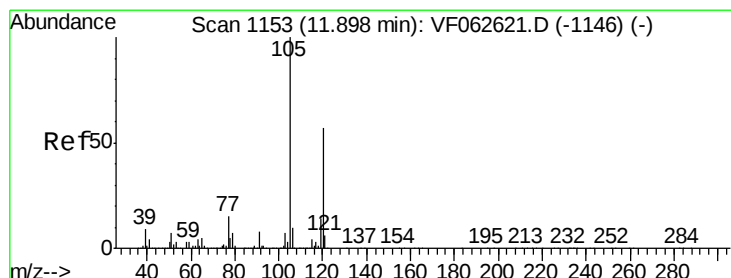
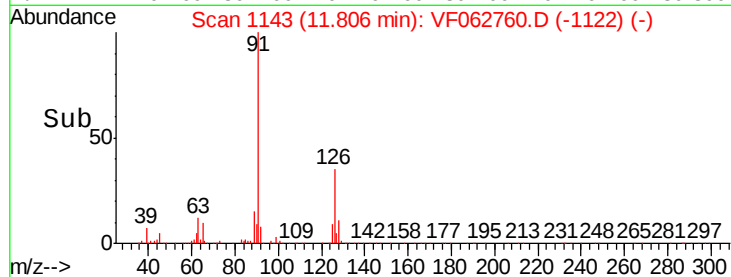
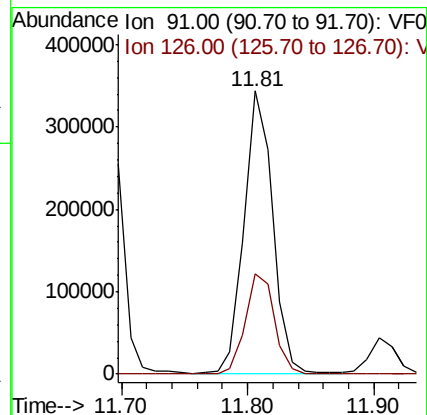
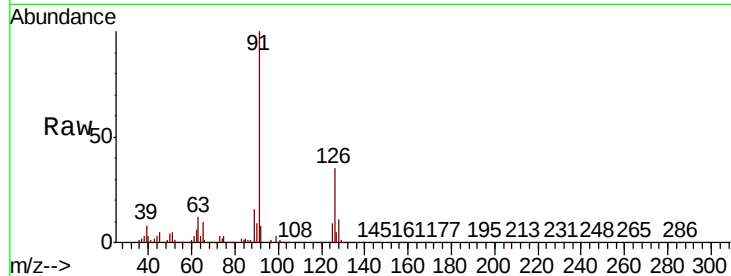
VF0528SBSD02

Tot Ion: 91 Resp: 533739

Ion Ratio Lower Upper

91 100

126 35.2 18.1 54.4



#80

1,3,5-Trimethylbenzene

Concen: 22.690 ug/l

RT: 11.90 min Scan# 1153

Delta R.T. 0.01 min

Lab File: VF062760.D

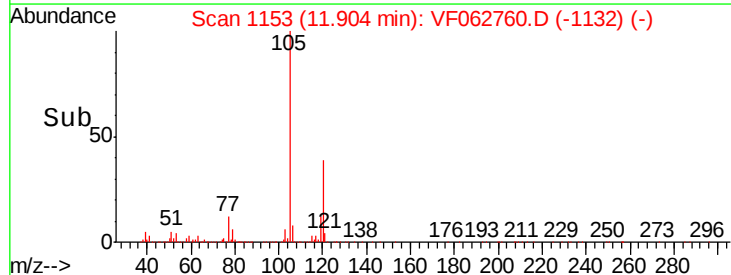
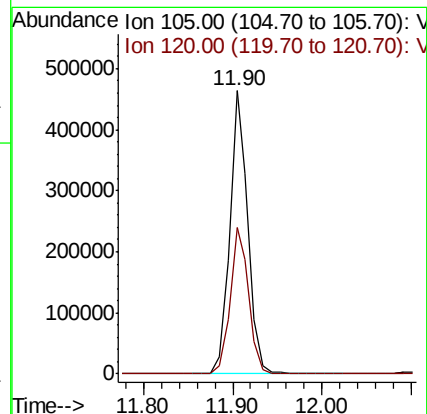
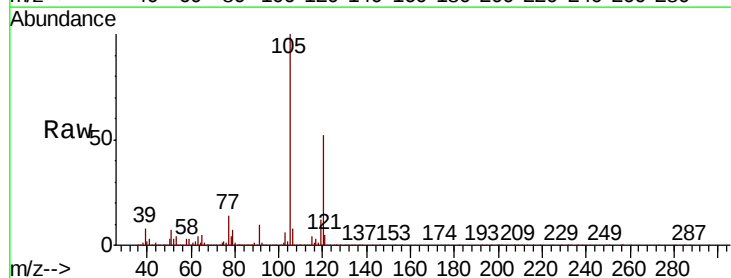
Acq: 28 May 2019 14:56

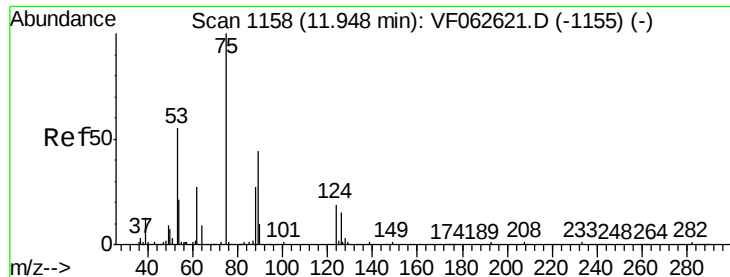
Tgt Ion:105 Resp: 658748

Ion Ratio Lower Upper

105 100

120 51.8 28.7 86.3





#81

trans-1,4-Dichloro-2-butene

Concen: 27.272 ug/l

RT: 11.95 min Scan# 1158

Delta R.T. 0.01 min

Lab File: VF062760.D

Acq: 28 May 2019 14:56

Instrument :

MSVOA_F

ClientSampleId :

VF0528SBSD02

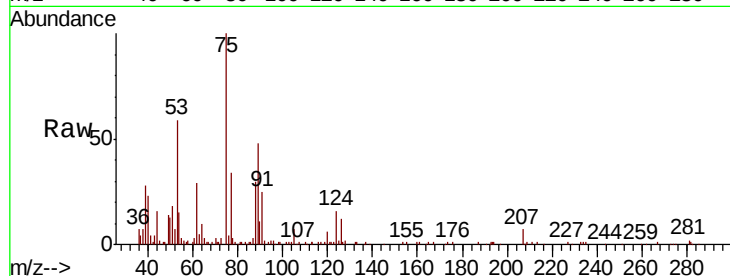
Tot Ion: 75 Resp: 58939

Ion Ratio Lower Upper

75 100

53 58.7 46.9 70.3

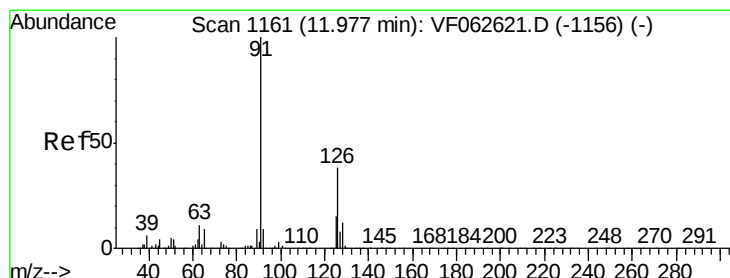
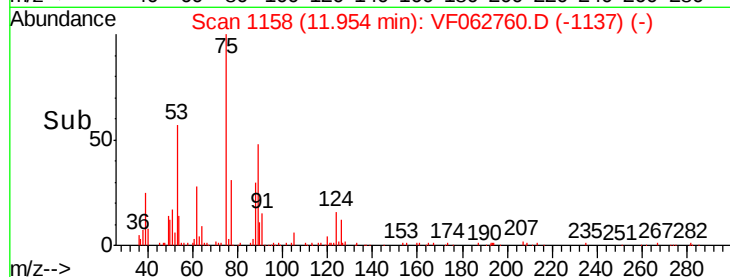
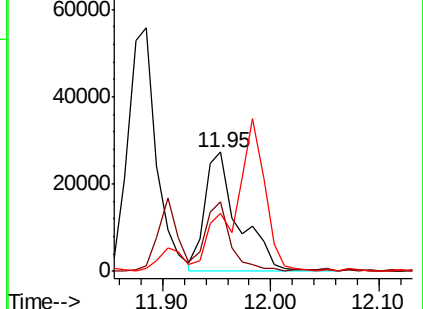
89 48.4 36.4 54.6



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0



#82

4-Chlorotoluene

Concen: 22.411 ug/l

RT: 11.98 min Scan# 1161

Delta R.T. 0.01 min

Lab File: VF062760.D

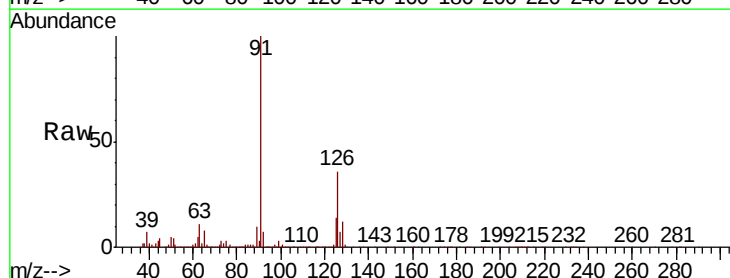
Acq: 28 May 2019 14:56

Tgt Ion: 91 Resp: 533680

Ion Ratio Lower Upper

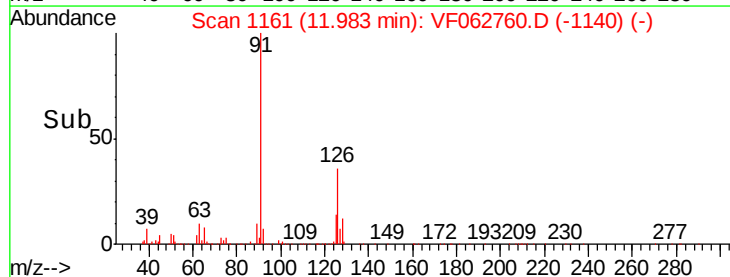
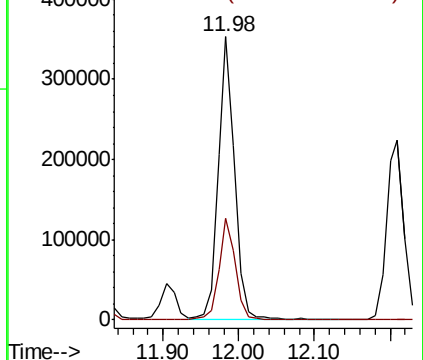
91 100

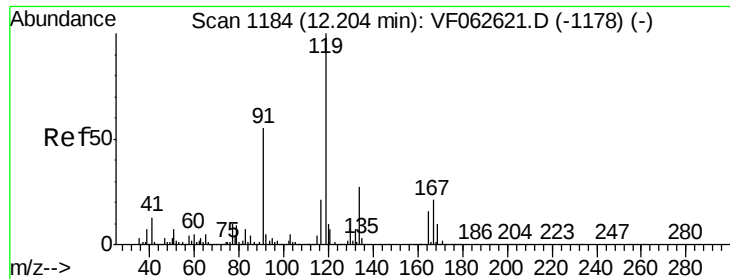
126 36.1 19.1 57.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

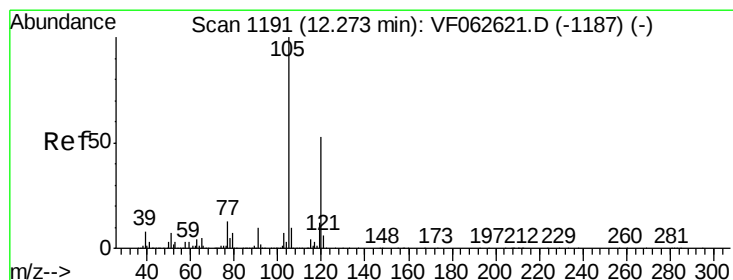
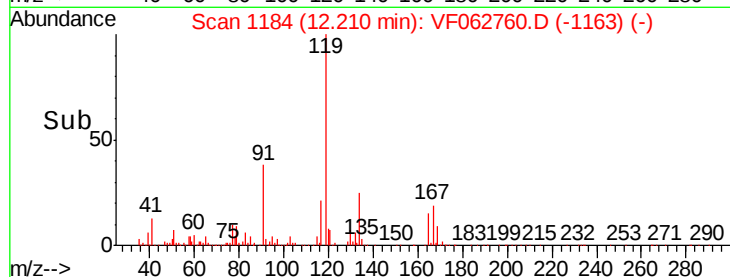
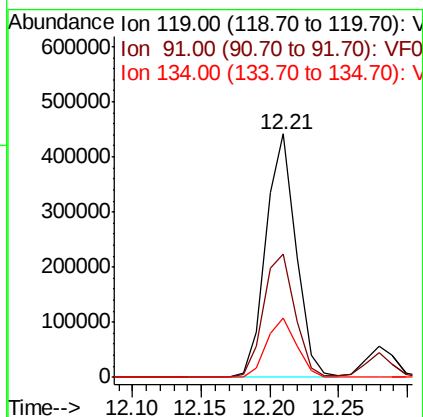
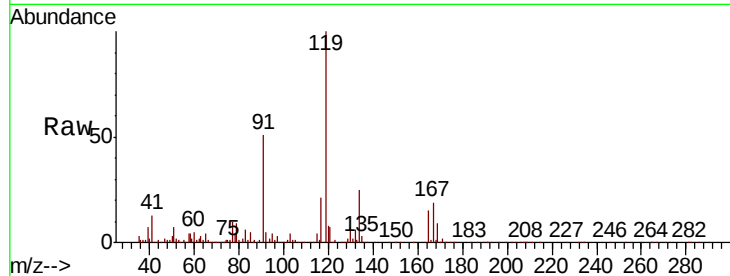




#83
 tert-Butylbenzene
 Concen: 22.775 ug/l
 RT: 12.21 min Scan# 1184
 Delta R.T. 0.01 min
 Lab File: VF062760.D
 Acq: 28 May 2019 14:56

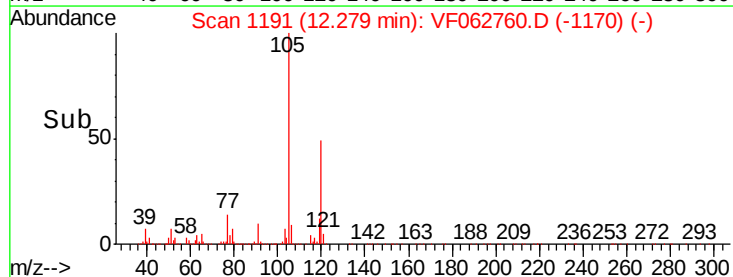
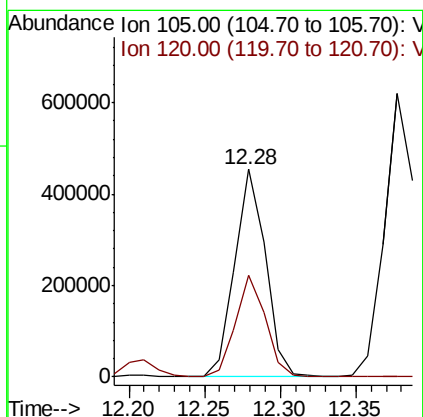
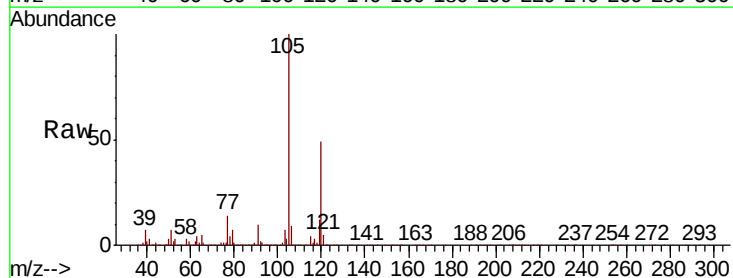
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0528SBS02

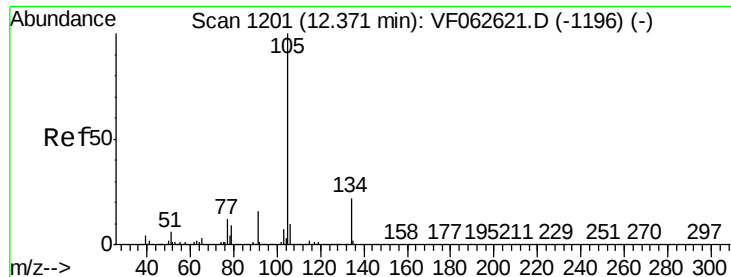
Tot Ion:119 Resp: 670845
 Ion Ratio Lower Upper
 119 100
 91 50.8 27.3 81.9
 134 24.6 13.6 40.7



#84
 1,2,4-Trimethylbenzene
 Concen: 22.884 ug/l
 RT: 12.28 min Scan# 1191
 Delta R.T. 0.01 min
 Lab File: VF062760.D
 Acq: 28 May 2019 14:56

Tgt Ion:105 Resp: 643019
 Ion Ratio Lower Upper
 105 100
 120 48.7 26.7 80.1





#85

sec-Butylbenzene

Concen: 22.583 ug/l

RT: 12.38 min Scan# 1201

Delta R.T. 0.01 min

Lab File: VF062760.D

Acq: 28 May 2019 14:56

Instrument :

MSVOA_F

ClientSampleId :

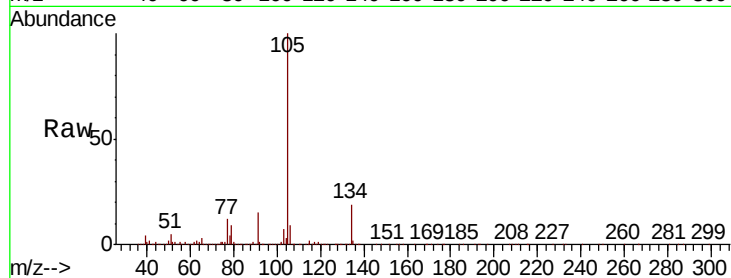
VF0528SBSD02

Tot Ion:105 Resp: 892691

Ion Ratio Lower Upper

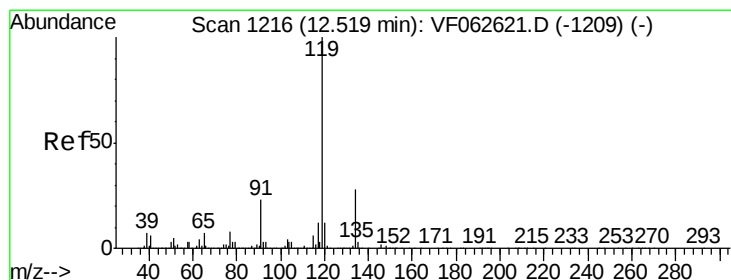
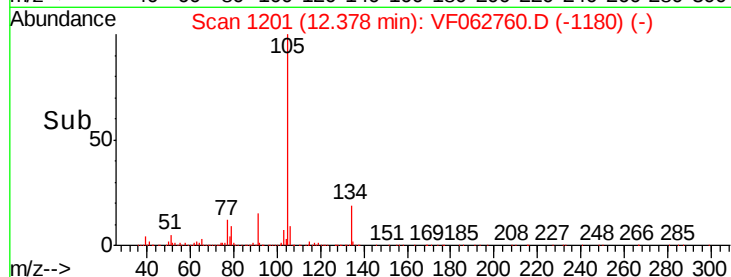
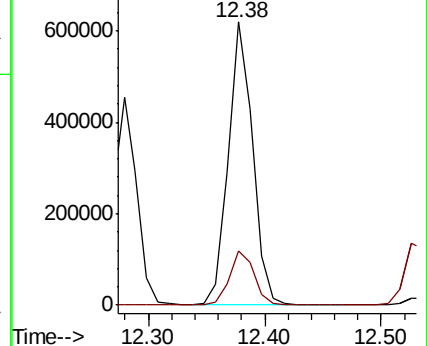
105 100

134 19.2 10.8 32.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 22.714 ug/l

RT: 12.53 min Scan# 1216

Delta R.T. 0.01 min

Lab File: VF062760.D

Acq: 28 May 2019 14:56

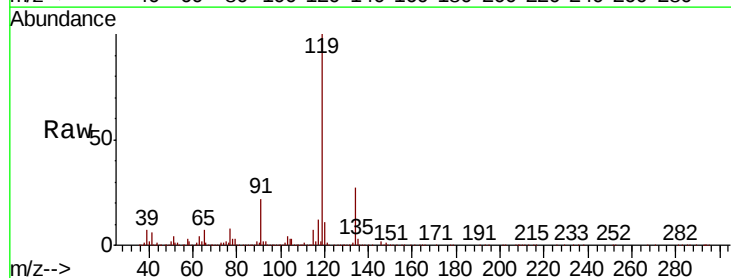
Tgt Ion:119 Resp: 756687

Ion Ratio Lower Upper

119 100

134 26.7 14.1 42.3

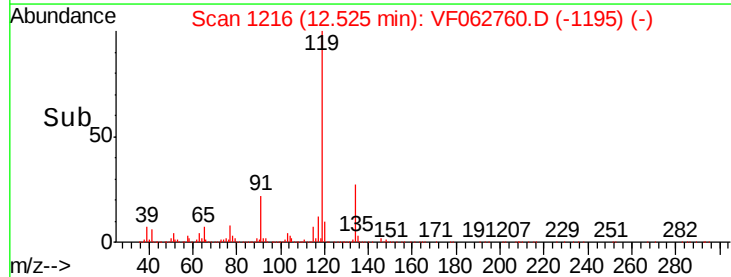
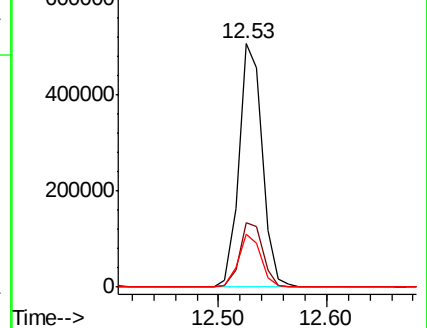
91 21.6 11.4 34.2

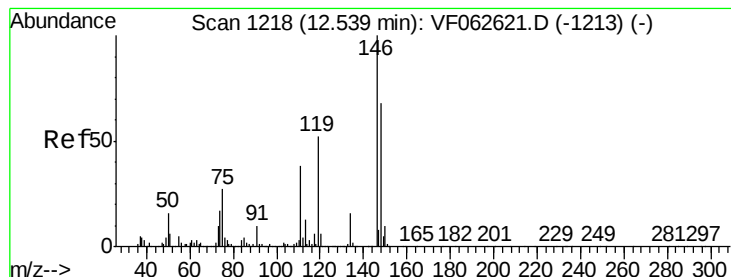


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0





#87

1,3-Dichlorobenzene

Concen: 21.615 ug/l

RT: 12.55 min Scan# 1218

Delta R.T. 0.01 min

Lab File: VF062760.D

Acq: 28 May 2019 14:56

Instrument :

MSVOA_F

ClientSampleId :

VF0528SBS02

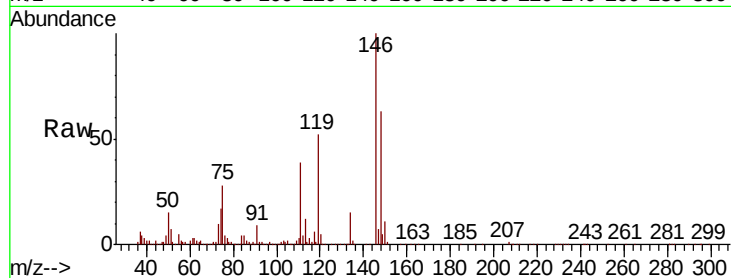
Tot Ion:146 Resp: 351956

Ion Ratio Lower Upper

146 100

111 39.3 18.9 56.9

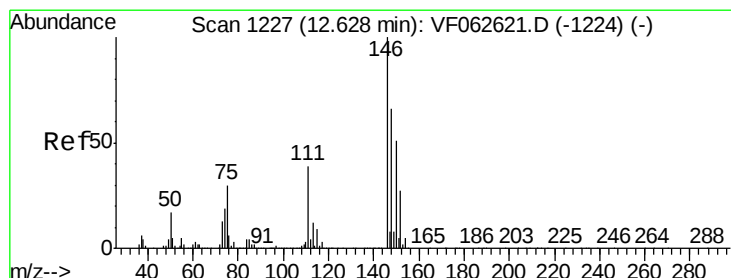
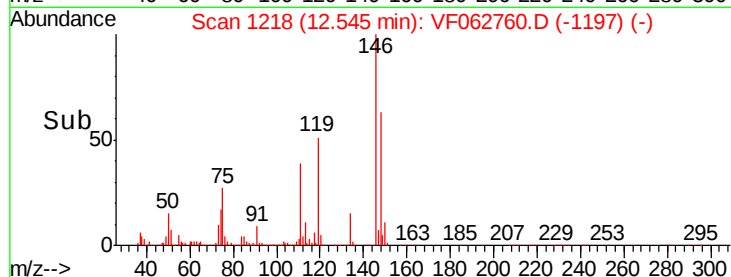
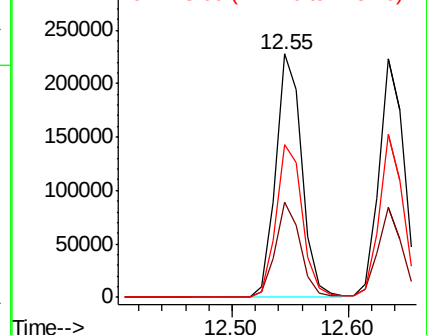
148 62.6 34.0 101.8



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,4-Dichlorobenzene

Concen: 21.910 ug/l

RT: 12.63 min Scan# 1227

Delta R.T. 0.01 min

Lab File: VF062760.D

Acq: 28 May 2019 14:56

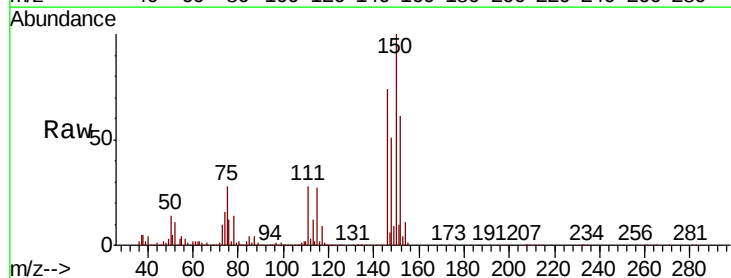
Tgt Ion:146 Resp: 334792

Ion Ratio Lower Upper

146 100

111 37.8 19.4 58.2

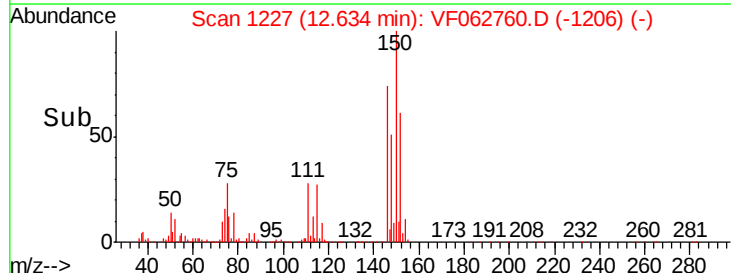
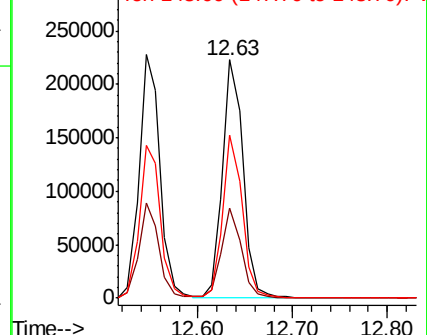
148 68.6 33.2 99.6

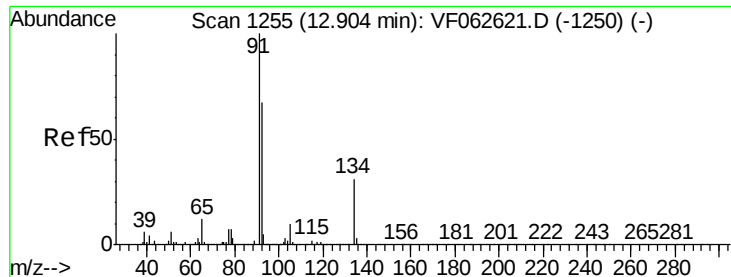


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#89

n-Butylbenzene

Concen: 23.370 ug/l

RT: 12.91 min Scan# 1255

Delta R.T. 0.01 min

Lab File: VF062760.D

Acq: 28 May 2019 14:56

Instrument :

MSVOA_F

ClientSampleId :

VF0528SBSD02

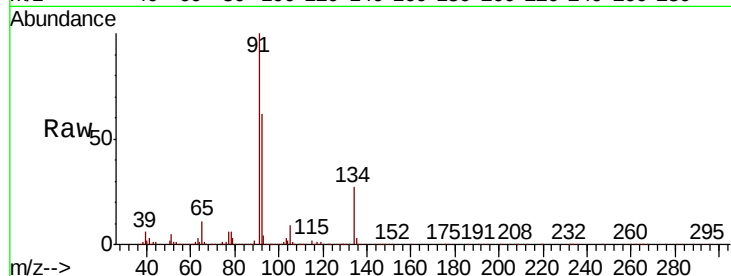
Tot Ion: 91 Resp: 767597

Ion Ratio Lower Upper

91 100

92 61.5 33.3 99.8

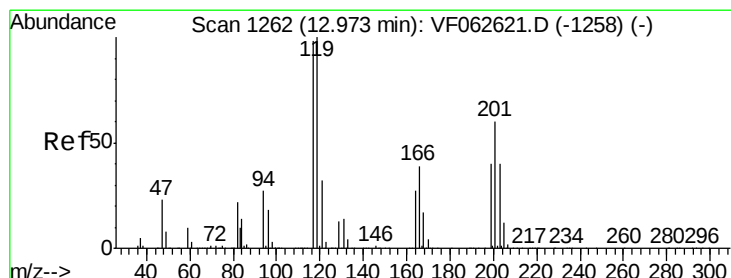
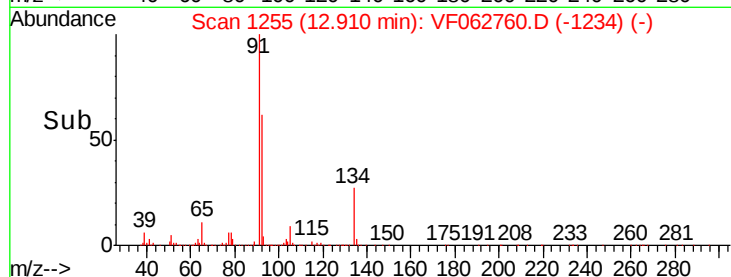
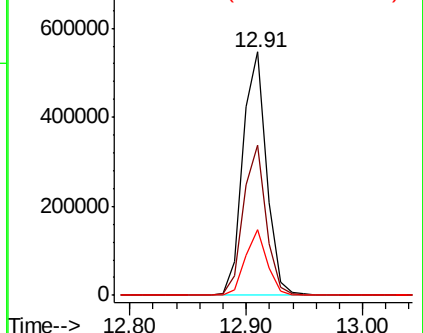
134 27.1 15.4 46.4



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 22.905 ug/l

RT: 12.99 min Scan# 1263

Delta R.T. 0.02 min

Lab File: VF062760.D

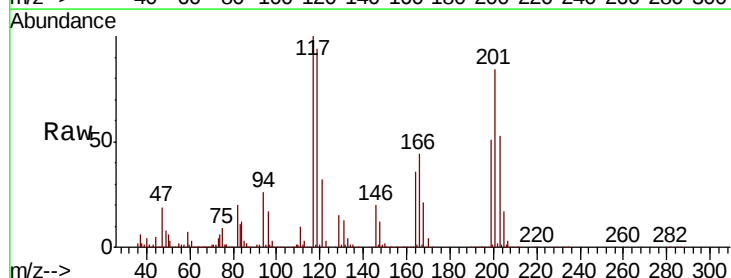
Acq: 28 May 2019 14:56

Tgt Ion: 117 Resp: 183042

Ion Ratio Lower Upper

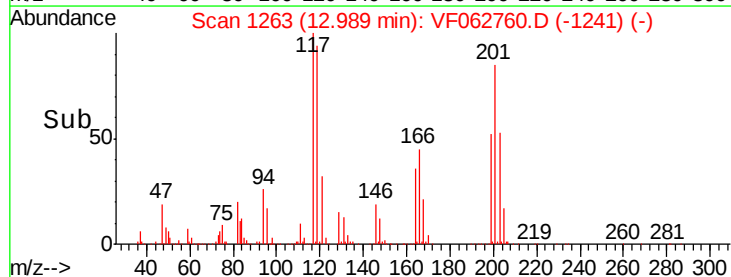
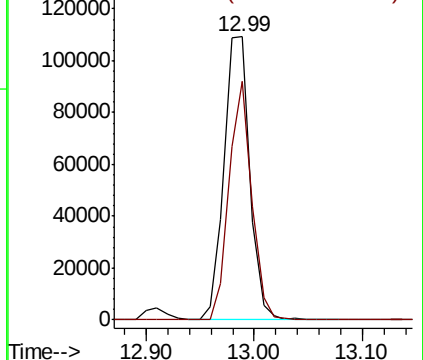
117 100

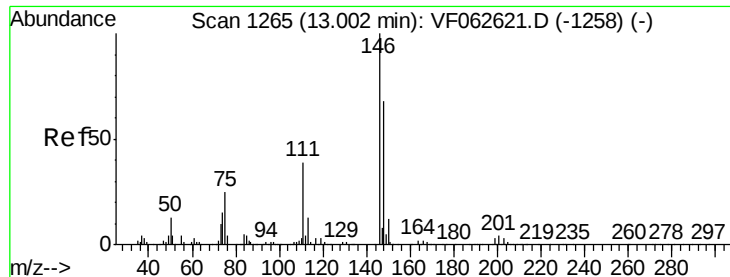
201 84.5 30.7 92.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V





#91

1,2-Dichlorobenzene

Concen: 21.952 ug/l

RT: 13.01 min Scan# 1265

Delta R.T. 0.01 min

Lab File: VF062760.D

Acq: 28 May 2019 14:56

Instrument :

MSVOA_F

ClientSampleId :

VF0528SBS02

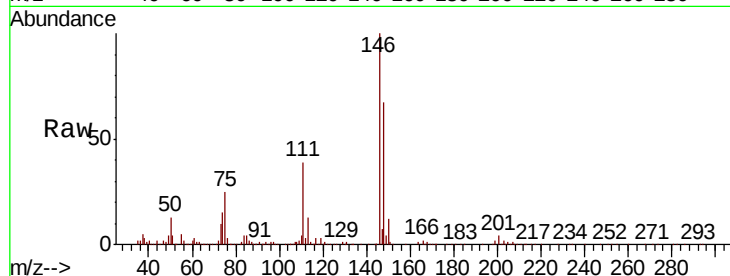
Tot Ion:146 Resp: 318624

Ion Ratio Lower Upper

146 100

111 39.3 19.8 59.3

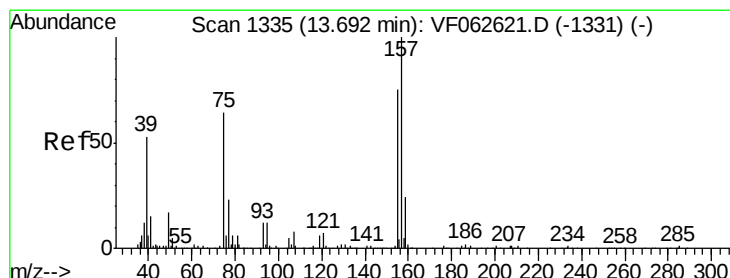
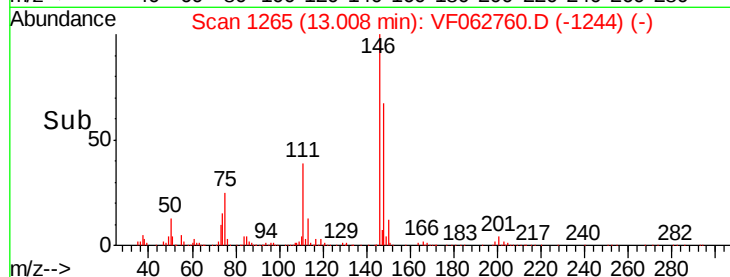
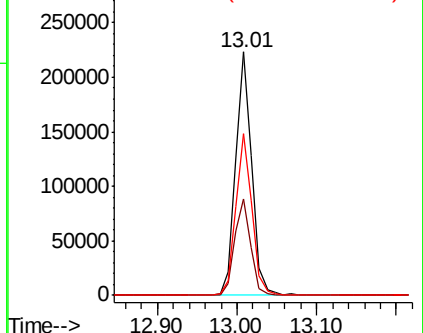
148 66.6 34.1 102.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 21.188 ug/l

RT: 13.70 min Scan# 1335

Delta R.T. 0.01 min

Lab File: VF062760.D

Acq: 28 May 2019 14:56

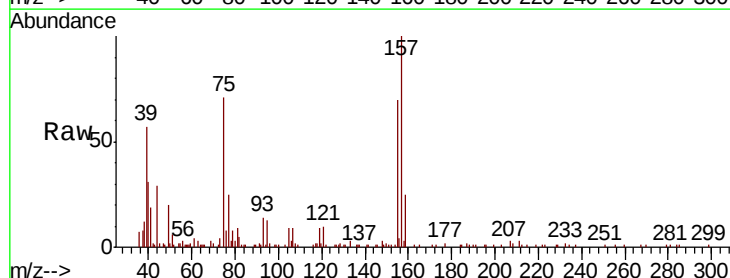
Tgt Ion: 75 Resp: 18703

Ion Ratio Lower Upper

75 100

155 99.3 58.1 174.3

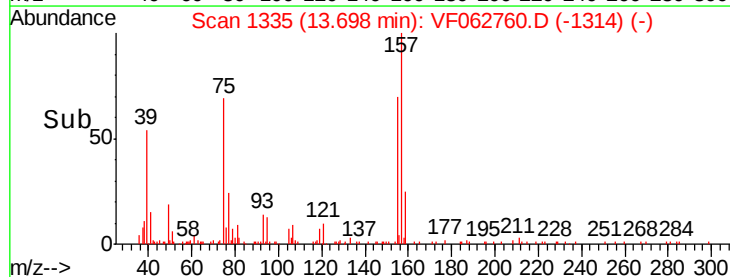
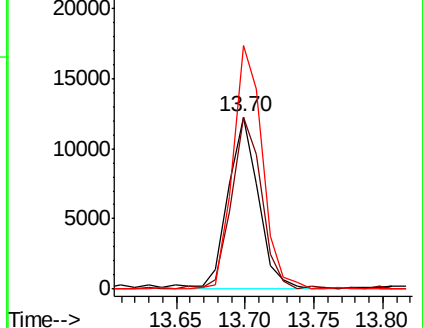
157 141.1 77.8 233.4

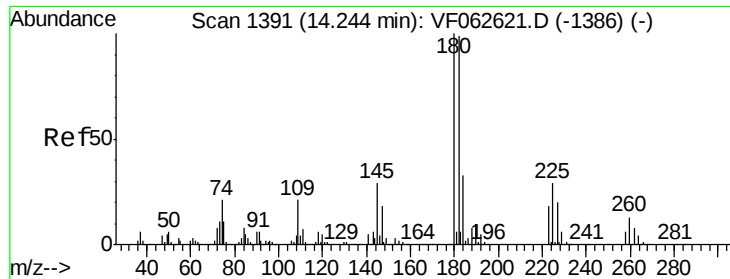


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

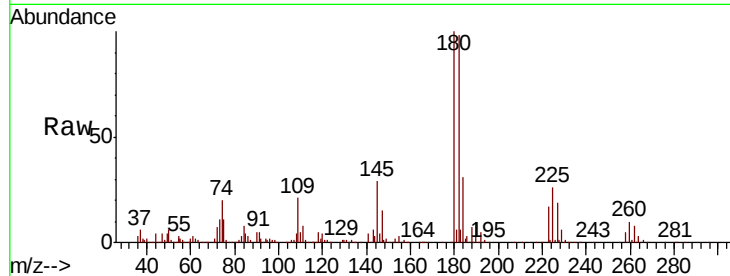




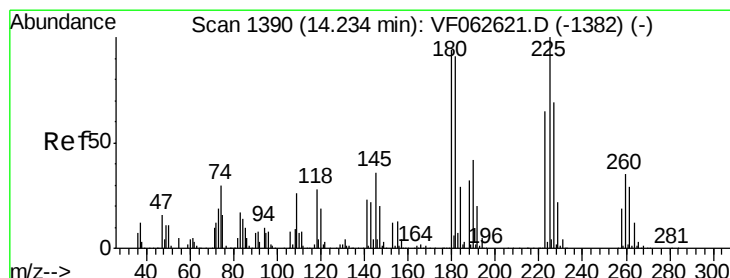
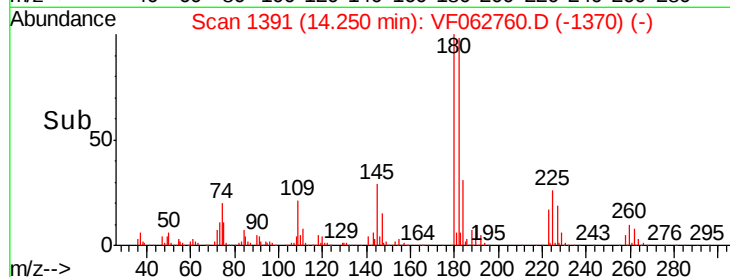
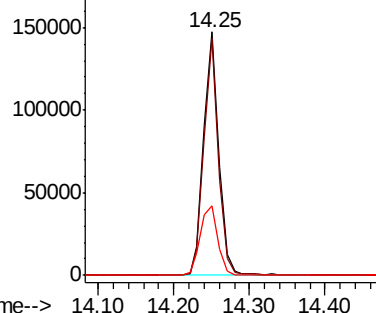
#93
 1,2,4-Trichlorobenzene
 Concen: 19.481 ug/l
 RT: 14.25 min Scan# 1391
 Delta R.T. 0.01 min
 Lab File: VF062760.D
 Acq: 28 May 2019 14:56

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0528SBS02

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.7	49.7	149.1
145	28.7	14.6	44.0

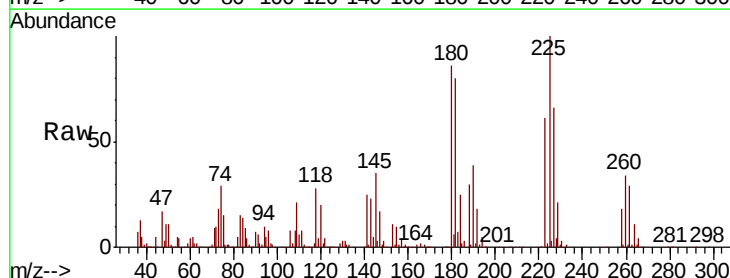


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

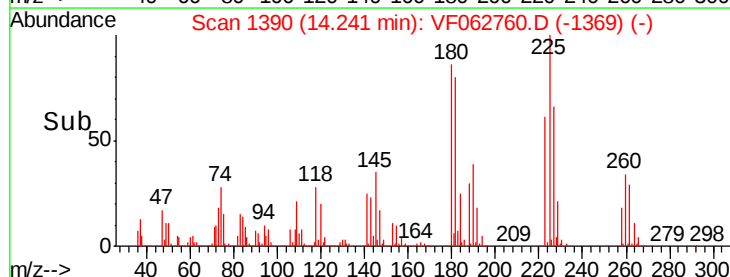
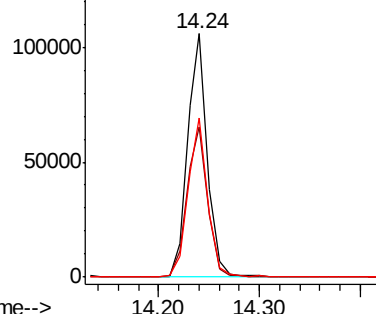


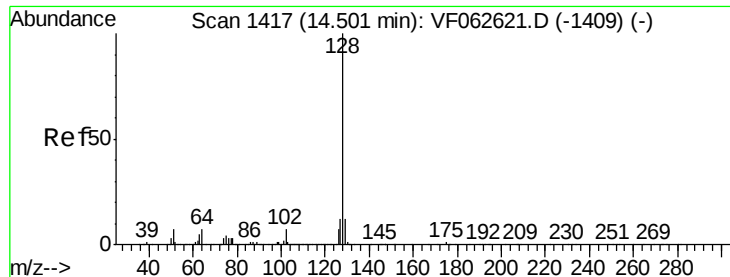
#94
 Hexachlorobutadiene
 Concen: 19.879 ug/l
 RT: 14.24 min Scan# 1390
 Delta R.T. 0.01 min
 Lab File: VF062760.D
 Acq: 28 May 2019 14:56

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.5	32.5	97.4
227	65.6	34.5	103.5



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

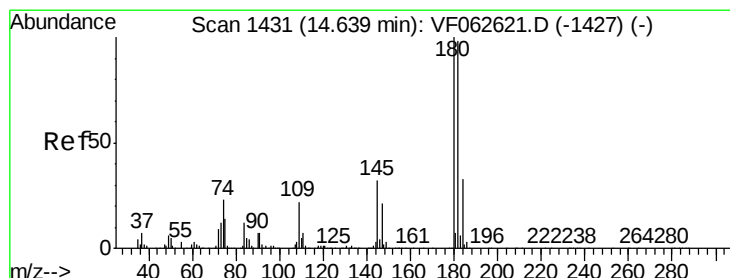
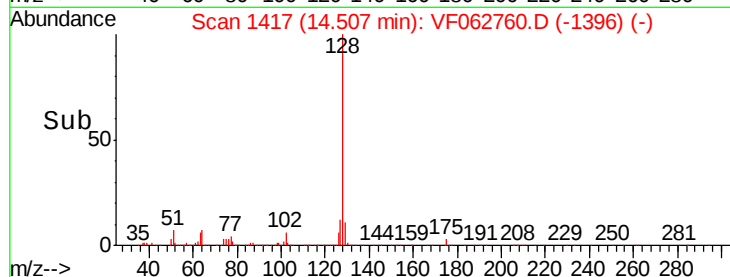
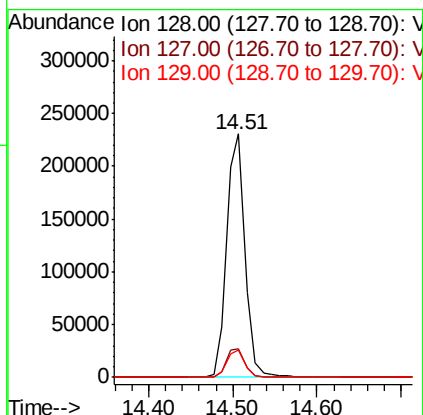
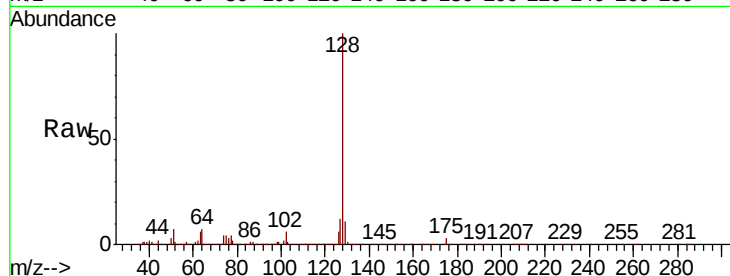




#95
Naphthalene
Concen: 18.395 ug/l
RT: 14.51 min Scan# 1417
Delta R.T. 0.01 min
Lab File: VF062760.D
Acq: 28 May 2019 14:56

Instrument :
MSVOA_F
ClientSampleId :
VF0528SBS02

Tot Ion:128 Resp: 347201
Ion Ratio Lower Upper
128 100
127 11.6 9.7 14.5
129 11.1 9.3 13.9



#96
1,2,3-Trichlorobenzene
Concen: 18.934 ug/l
RT: 14.64 min Scan# 1431
Delta R.T. 0.01 min
Lab File: VF062760.D
Acq: 28 May 2019 14:56

Tgt Ion:180 Resp: 186326
Ion Ratio Lower Upper
180 100
182 96.2 48.9 146.7
145 31.8 16.1 48.2

