

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052919\
 Data File : VF062776.D
 Acq On : 29 May 2019 12:13
 Operator : FY/SY
 Sample : VF0529SBS01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: May 30 08:37:00 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	5.08	168	747947	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.80	114	1236295	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	996002	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	450562	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	244841	46.32	ug/l	0.00
Spiked Amount			Recovery	=	92.64%	
35) Dibromofluoromethane	4.33	113	449010	47.46	ug/l	0.00
Spiked Amount			Recovery	=	94.92%	
50) Toluene-d8	7.73	98	1053555	46.64	ug/l	0.00
Spiked Amount			Recovery	=	93.28%	
62) 4-Bromofluorobenzene	11.50	95	431308	50.35	ug/l	0.00
Spiked Amount			Recovery	=	100.70%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.01	85	180363	17.720	ug/l	88
3) Chloromethane	1.15	50	152838	16.308	ug/l	90
4) Vinyl Chloride	1.19	62	153288	17.768	ug/l	97
5) Bromomethane	1.40	94	76320	16.171	ug/l	93
6) Chloroethane	1.45	64	54686	17.260	ug/l	95
7) Trichlorofluoromethane	1.56	101	236072	20.380	ug/l	88
8) Diethyl Ether	1.71	74	43437	18.929	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	1.91	101	151977	20.605	ug/l	94
10) Methyl Iodide	1.99	142	292158	20.164	ug/l	98
11) Tert butyl alcohol	2.72	59	38381	109.992	ug/l	99
12) 1,1-Dichloroethene	1.88	96	140715	20.943	ug/l	92
13) Acrolein	2.11	56	31415	86.246	ug/l	84
14) Allyl chloride	2.21	41	143797	23.647	ug/l	88
15) Acrylonitrile	3.12	53	115531	117.373	ug/l	89
16) Acetone	2.36	43	125129	91.256	ug/l #	83
17) Carbon Disulfide	1.92	76	366572	18.407	ug/l #	90
18) Methyl Acetate	2.47	43	43575	20.223	ug/l	99
19) Methyl tert-butyl Ether	2.56	73	243385	20.263	ug/l	97
20) Methylene Chloride	2.35	84	93406	13.590	ug/l	90
21) trans-1,2-Dichloroethene	2.43	96	133668	20.354	ug/l	92
22) Diisopropyl ether	2.96	45	298962	19.933	ug/l	96
23) Vinyl Acetate	3.36	43	1121224	110.821	ug/l	98
24) 1,1-Dichloroethane	3.03	63	222589	20.230	ug/l	99
25) 2-Butanone	4.54	43	314809	107.460	ug/l	94
26) 2,2-Dichloropropane	3.79	77	142451	22.628	ug/l	98
27) cis-1,2-Dichloroethene	3.67	96	238187	22.049	ug/l	94
28) Bromochloromethane	3.92	49	130978	21.225	ug/l	100
29) Tetrahydrofuran	4.29	42	133351	112.486	ug/l	95
30) Chloroform	4.07	83	335352	21.953	ug/l	97
31) Cyclohexane	3.89	56	290614	19.671	ug/l	99
32) 1,1,1-Trichloroethane	4.31	97	221592	21.842	ug/l	96
36) 1,1-Dichloropropene	4.49	75	266996	21.076	ug/l	96
37) Ethyl Acetate	4.33	43	118457	22.902	ug/l #	70
38) Carbon Tetrachloride	4.21	117	202454	21.250	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.66	83	323966	21.253	ug/l	89
40) Benzene	4.84	78	775433	22.469	ug/l	98
41) Methacrylonitrile	4.95	41	53867	19.864	ug/l #	91
42) 1,2-Dichloroethane	5.16	62	143710	20.881	ug/l	94
43) Isopropyl Acetate	7.14	43	141285	21.084	ug/l #	84
44) Trichloroethene	5.71	130	215641	22.232	ug/l	89
45) 1,2-Dichloropropane	6.43	63	198027	22.730	ug/l	99
46) Dibromomethane	6.28	93	118926	23.620	ug/l	95
47) Bromodichloromethane	6.57	83	230204	22.024	ug/l	99
48) Methyl methacrylate	6.90	41	69529	19.851	ug/l	93
49) 1,4-Dioxane	6.90	88	19059	424.851	ug/l	95
51) 4-Methyl-2-Pentanone	8.42	43	523715	114.337	ug/l	95
52) Toluene	7.80	92	417423	23.063	ug/l	90
53) t-1,3-Dichloropropene	8.44	75	194181	22.708	ug/l	96
54) cis-1,3-Dichloropropene	7.48	75	276355	23.086	ug/l	97
55) 1,1,2-Trichloroethane	8.65	97	125236	23.369	ug/l	92
56) Ethyl methacrylate	8.77	69	140238	21.965	ug/l #	90
57) 1,3-Dichloropropane	9.02	76	208545	22.847	ug/l	92
58) 2-Chloroethyl Vinyl ether	7.47	63	230570	110.948	ug/l	94
59) 2-Hexanone	9.64	43	376065	116.686	ug/l	97
60) Dibromochloromethane	8.88	129	155757	22.300	ug/l	99
61) 1,2-Dibromoethane	9.15	107	135176	23.748	ug/l	99
64) Tetrachloroethene	8.32	164	164246	20.815	ug/l	95
65) Chlorobenzene	9.95	112	435997	22.287	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.07	131	171757	21.871	ug/l	96
67) Ethyl Benzene	10.04	91	752037	22.129	ug/l	97
68) m/p-Xylenes	10.27	106	568262	44.490	ug/l	85
69) o-Xylene	10.83	106	295425	22.455	ug/l	98
70) Styrene	10.90	104	460437	23.026	ug/l	97
71) Bromoform	10.89	173	92890	23.617	ug/l #	100
73) Isopropylbenzene	11.23	105	836405	25.901	ug/l	93
74) N-amyl acetate	11.46	43	238163	26.444	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.78	83	173360	26.269	ug/l	100
76) 1,2,3-Trichloropropane	11.88	75	113513	26.178	ug/l	89
77) Bromobenzene	11.59	156	195430	24.347	ug/l	93
78) n-propylbenzene	11.68	91	931961	24.386	ug/l	91
79) 2-Chlorotoluene	11.81	91	500459	23.236	ug/l	98
80) 1,3,5-Trimethylbenzene	11.91	105	607336	23.455	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.95	75	65526	33.996	ug/l	93
82) 4-Chlorotoluene	11.99	91	509615	23.994	ug/l	96
83) tert-Butylbenzene	12.20	119	613362	23.348	ug/l	95
84) 1,2,4-Trimethylbenzene	12.28	105	599733	23.930	ug/l	95
85) sec-Butylbenzene	12.38	105	868527	24.635	ug/l	95
86) p-Isopropyltoluene	12.53	119	728211	24.509	ug/l	96
87) 1,3-Dichlorobenzene	12.55	146	363739	25.047	ug/l	96
88) 1,4-Dichlorobenzene	12.63	146	204452	15.002	ug/l	99
89) n-Butylbenzene	12.90	91	723064	24.683	ug/l	91
90) Hexachloroethane	12.98	117	172435	24.193	ug/l	92
91) 1,2-Dichlorobenzene	13.01	146	309600	23.916	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.70	75	21906	27.825	ug/l	90

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Quant Time: May 30 08:37:00 2019
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Quant Title : SW846 8260
QLast Update : Fri May 17 05:49:09 2019
Response via : Initial Calibration

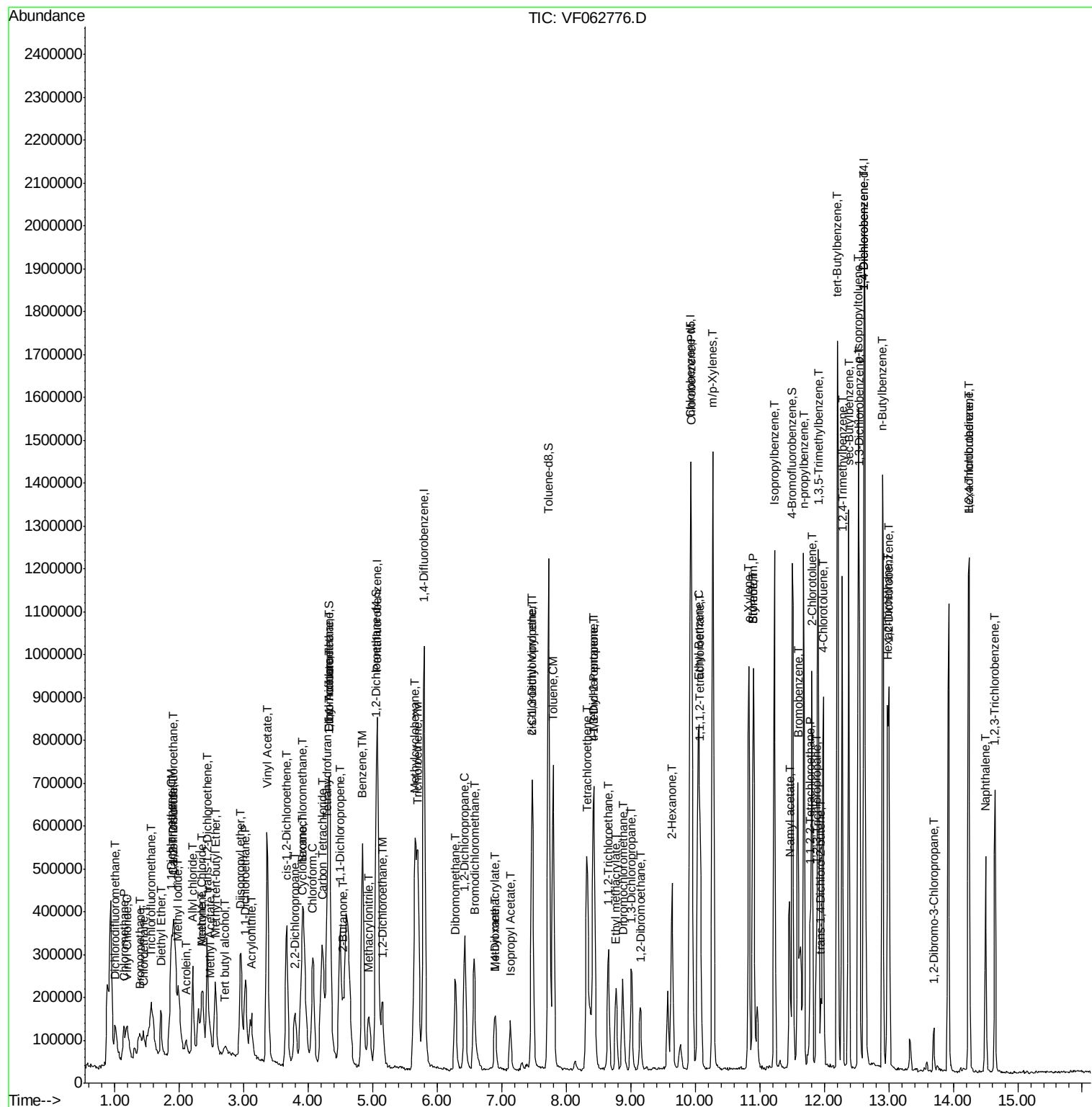
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	209473	22.606	ug/l	97
94) Hexachlorobutadiene	14.23	225	143480	22.188	ug/l	99
95) Naphthalene	14.50	128	347285	20.630	ug/l	98
96) 1,2,3-Trichlorobenzene	14.65	180	194129	22.118	ug/l	95

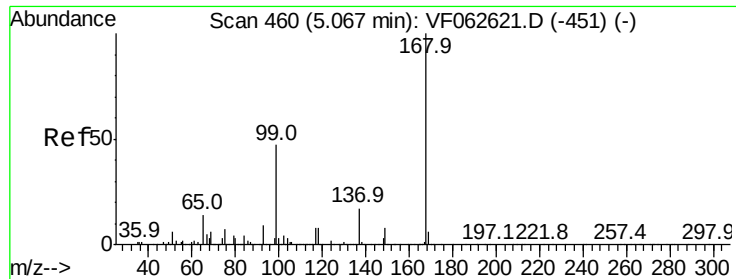
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.08 min Scan# 461

Delta R.T. 0.01 min

Lab File: VF062776.D

Acq: 29 May 2019 12:13

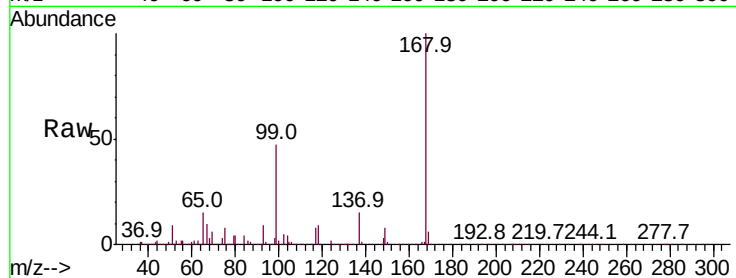
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 747947

Ion Ratio Lower Upper

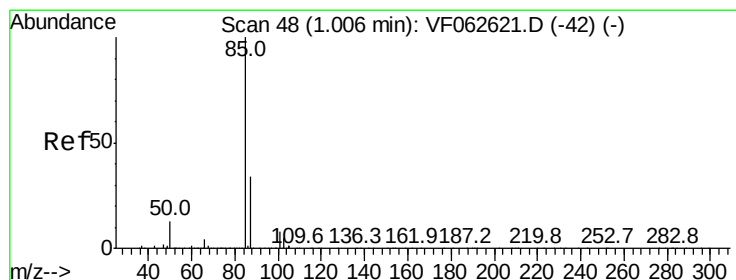
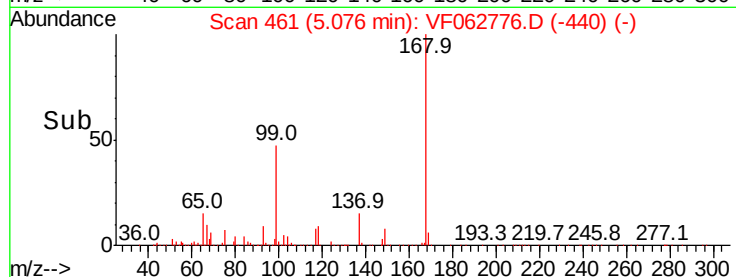
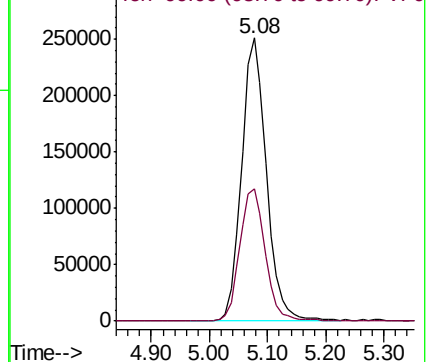
168 100

99 46.6 37.8 56.8



Abundance Ion 168.00 (167.70 to 168.70): V

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 17.720 ug/l

RT: 1.01 min Scan# 48

Delta R.T. -0.00 min

Lab File: VF062776.D

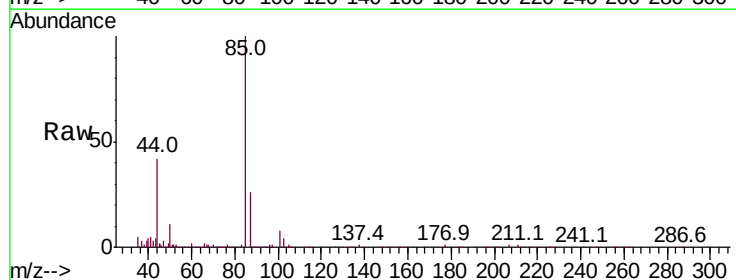
Acq: 29 May 2019 12:13

Tgt Ion: 85 Resp: 180363

Ion Ratio Lower Upper

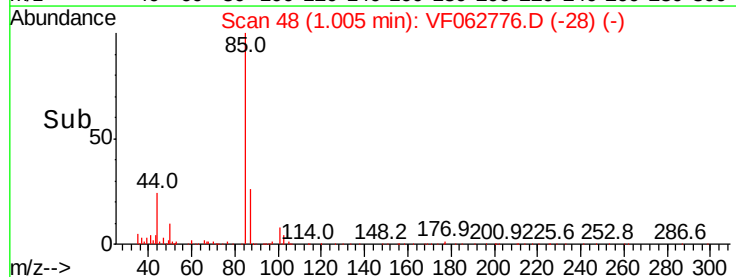
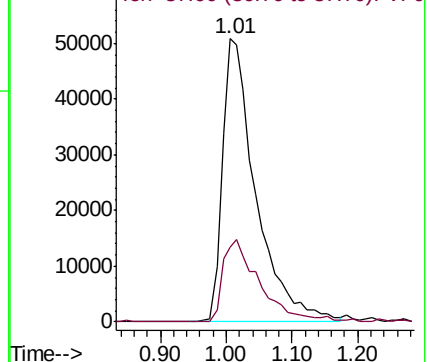
85 100

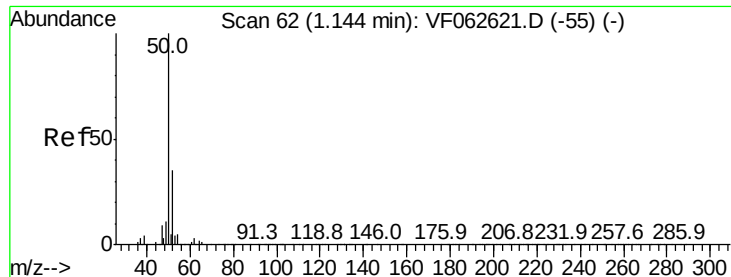
87 26.5 16.8 50.3



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 16.308 ug/l

RT: 1.15 min Scan# 63

Delta R.T. 0.01 min

Lab File: VF062776.D

Acq: 29 May 2019 12:13

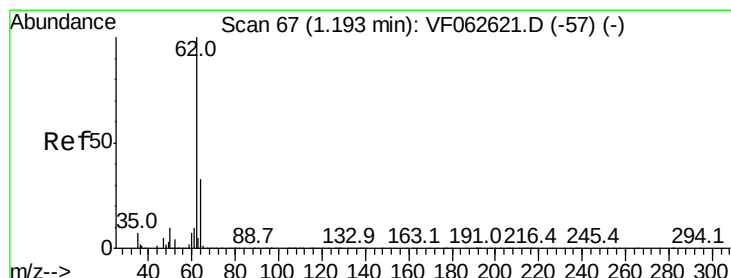
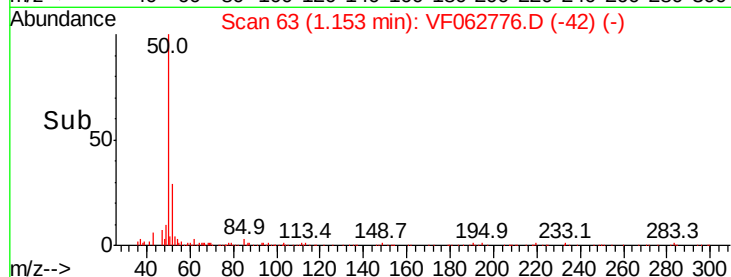
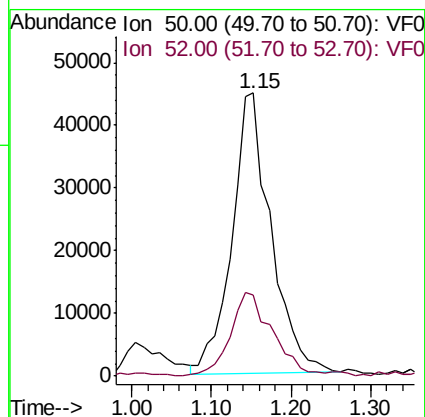
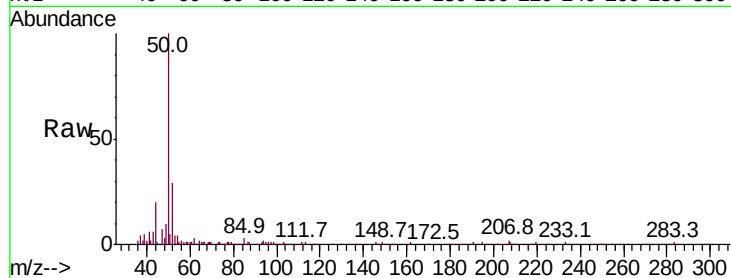
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 50 Resp: 152838

Ion Ratio Lower Upper

50 100

52 28.7 27.5 41.3



#4

Vinyl Chloride

Concen: 17.768 ug/l

RT: 1.19 min Scan# 67

Delta R.T. -0.00 min

Lab File: VF062776.D

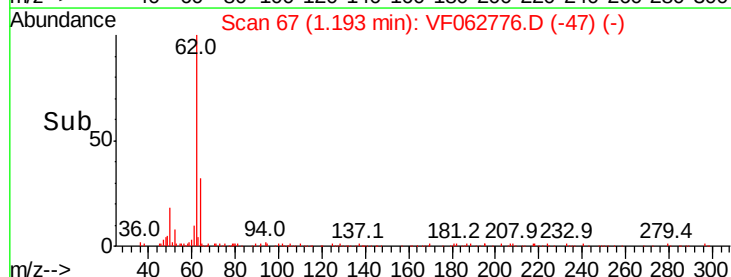
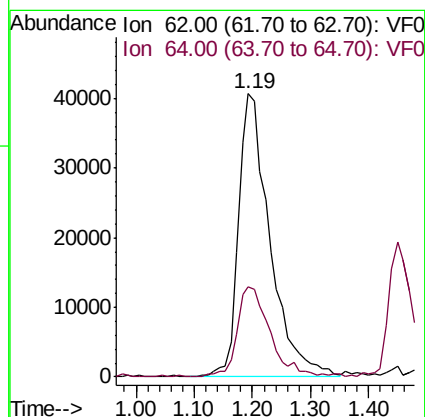
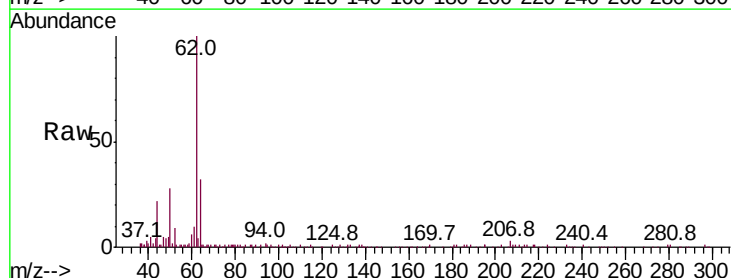
Acq: 29 May 2019 12:13

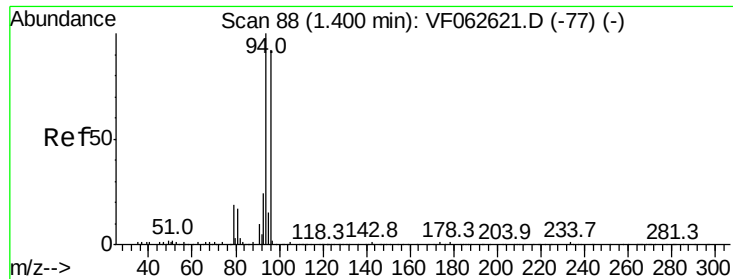
Tgt Ion: 62 Resp: 153288

Ion Ratio Lower Upper

62 100

64 32.0 26.7 40.1





#5

Bromomethane

Concen: 16.171 ug/l

RT: 1.40 min Scan# 88

Delta R.T. -0.00 min

Lab File: VF062776.D

Acq: 29 May 2019 12:13

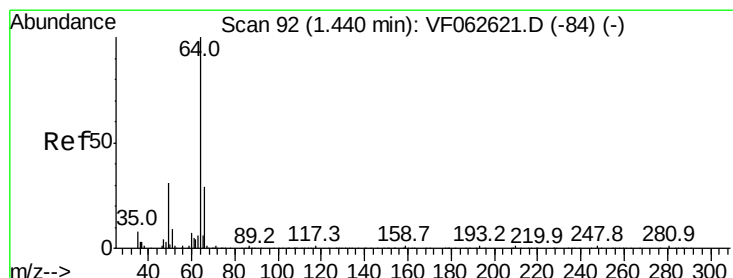
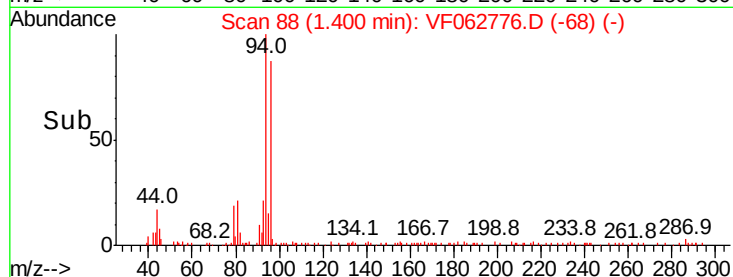
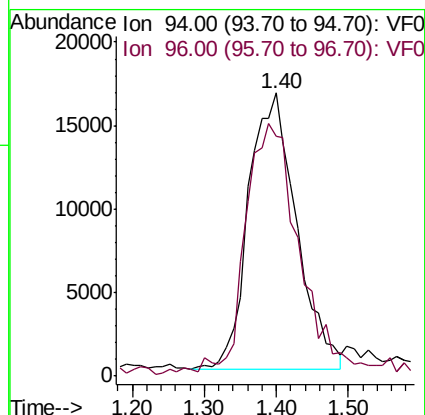
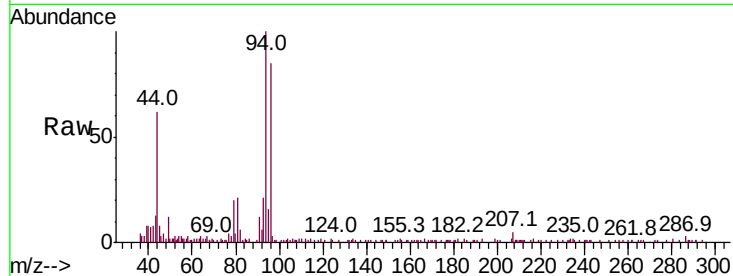
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 94 Resp: 76320

Ion Ratio Lower Upper

94 100

96 84.9 73.2 109.8



#6

Chloroethane

Concen: 17.260 ug/l

RT: 1.45 min Scan# 93

Delta R.T. 0.01 min

Lab File: VF062776.D

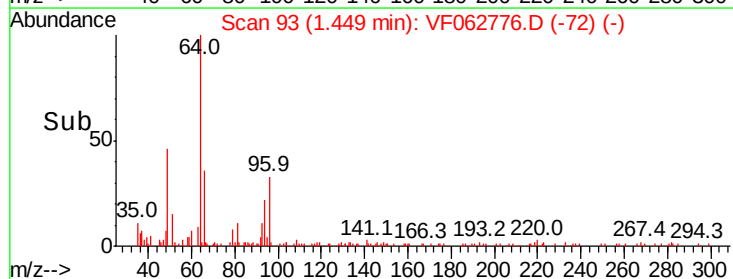
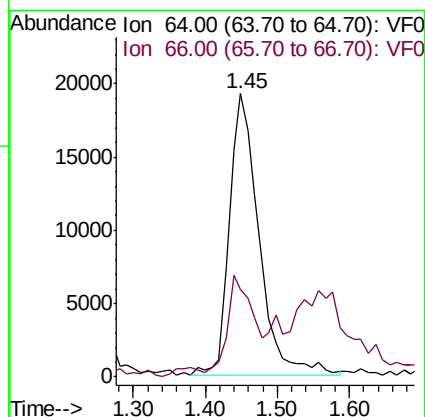
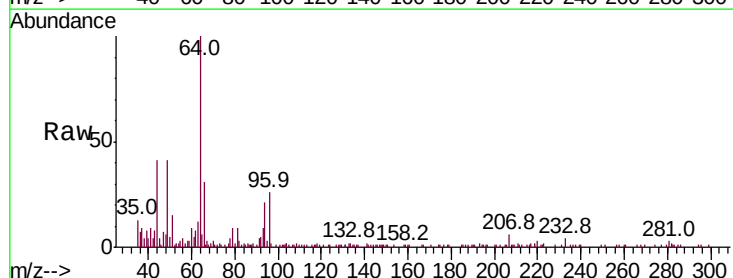
Acq: 29 May 2019 12:13

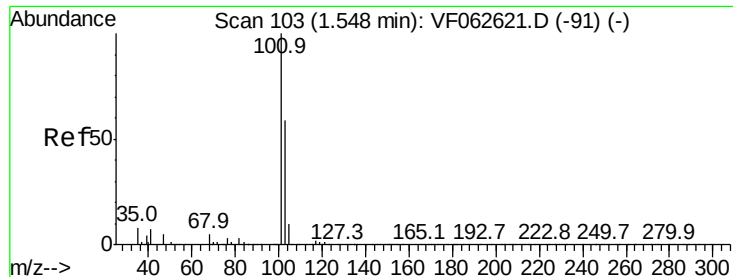
Tgt Ion: 64 Resp: 54686

Ion Ratio Lower Upper

64 100

66 32.1 23.4 35.2



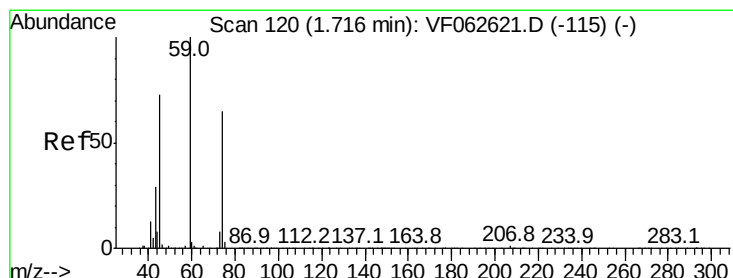
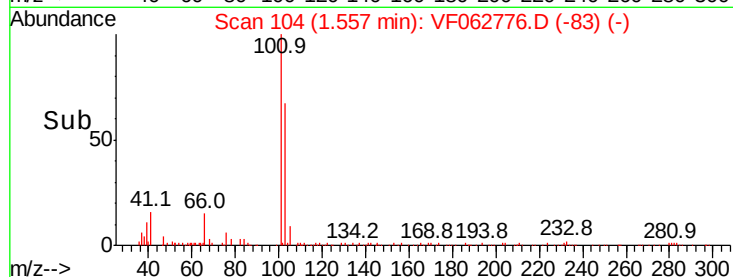
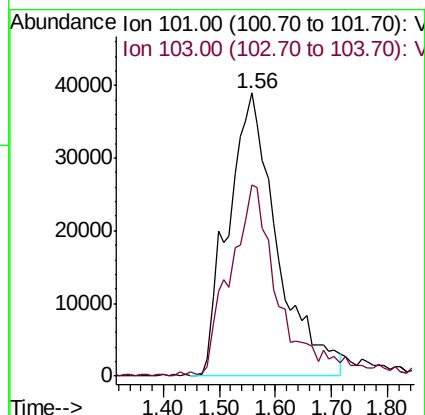
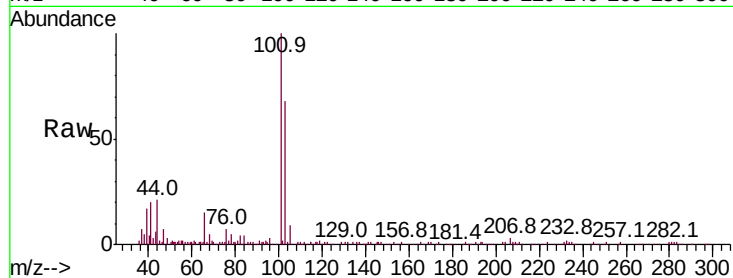


#7

Trichlorofluoromethane
Concen: 20.380 ug/l
RT: 1.56 min Scan# 104
Delta R.T. 0.01 min
Lab File: VF062776.D
Acq: 29 May 2019 12:13

Instrument :
MSVOA_F
ClientSampleId :

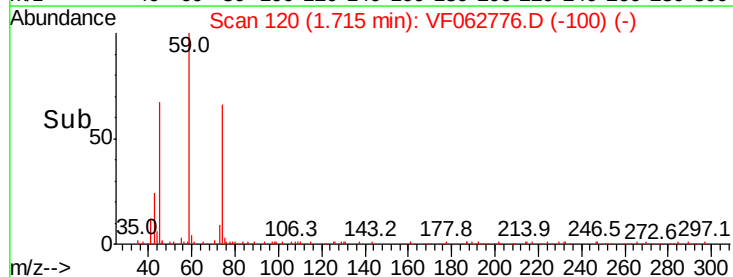
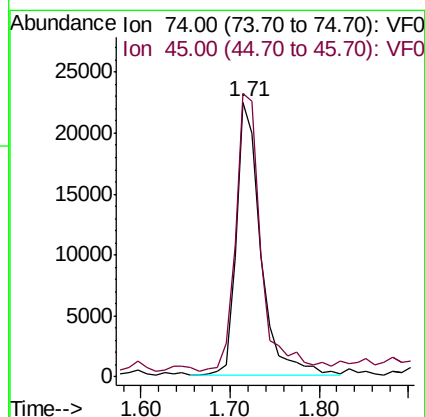
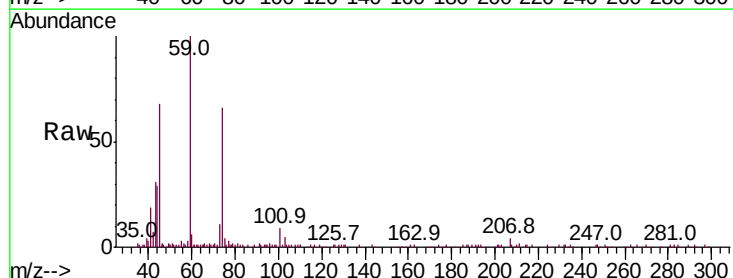
Tot Ion:101 Resp: 236072
Ion Ratio Lower Upper
101 100
103 67.8 47.3 70.9

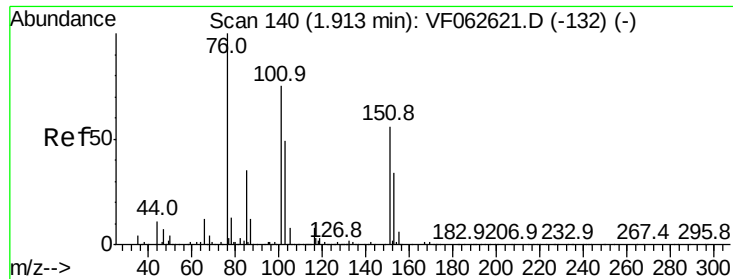


#8

Diethyl Ether
Concen: 18.929 ug/l
RT: 1.71 min Scan# 120
Delta R.T. -0.00 min
Lab File: VF062776.D
Acq: 29 May 2019 12:13

Tgt Ion: 74 Resp: 43437
Ion Ratio Lower Upper
74 100
45 103.1 57.0 170.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.605 ug/l

RT: 1.91 min Scan# 140

Delta R.T. -0.00 min

Lab File: VF062776.D

Acq: 29 May 2019 12:13

Instrument :

MSVOA_F

ClientSampleId :

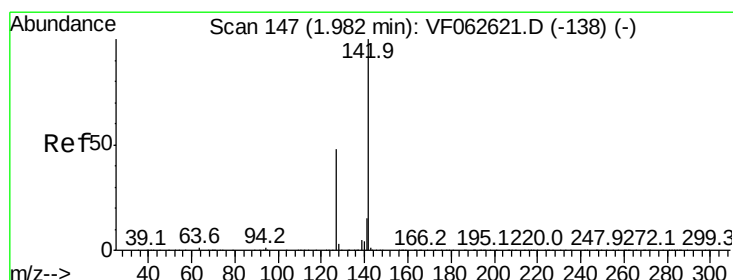
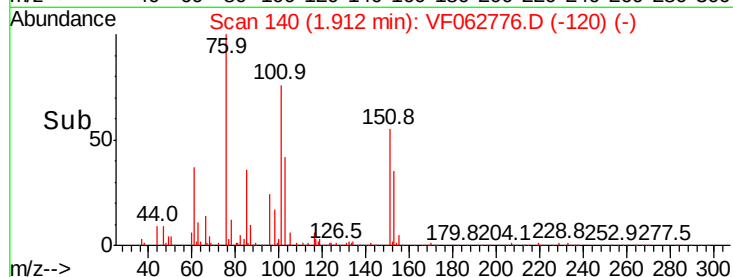
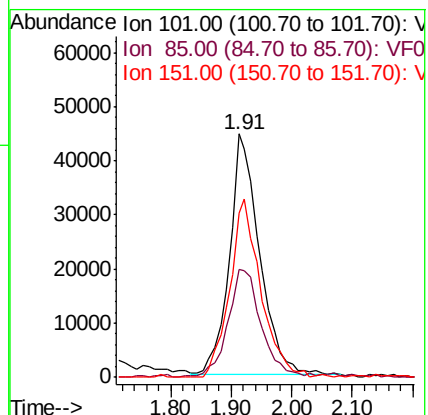
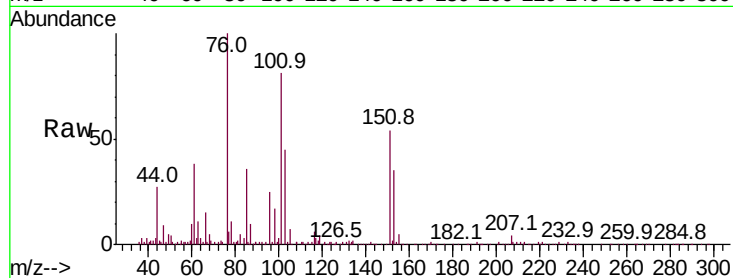
Tot Ion:101 Resp: 151977

Ion Ratio Lower Upper

101 100

85 44.3 37.1 55.7

151 67.2 58.8 88.2



#10

Methyl Iodide

Concen: 20.164 ug/l

RT: 1.99 min Scan# 148

Delta R.T. 0.01 min

Lab File: VF062776.D

Acq: 29 May 2019 12:13

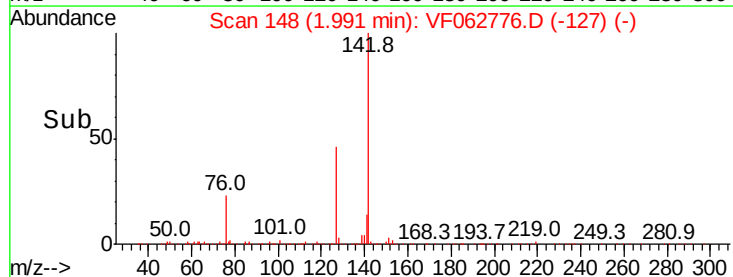
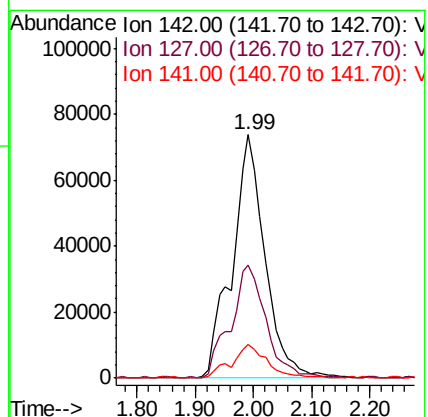
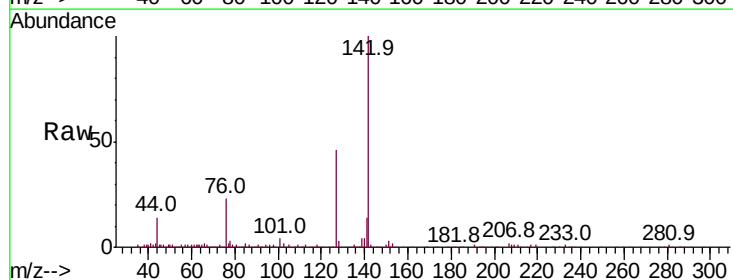
Tgt Ion:142 Resp: 292158

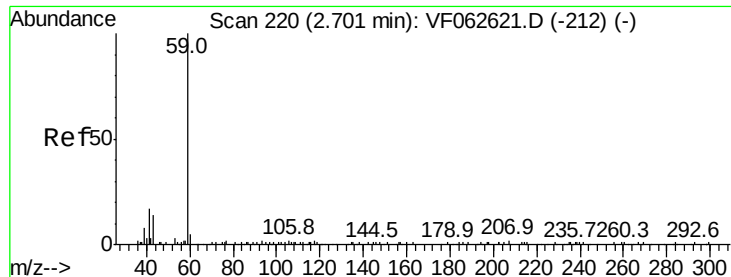
Ion Ratio Lower Upper

142 100

127 46.2 38.1 57.1

141 13.6 11.7 17.5

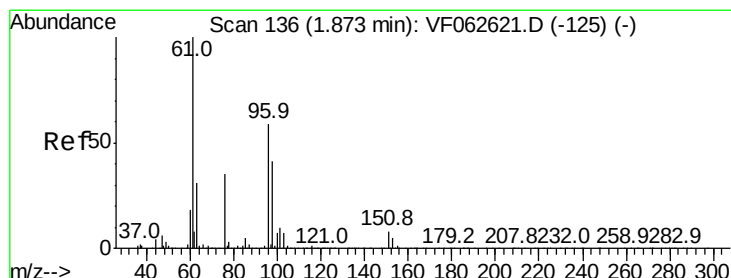
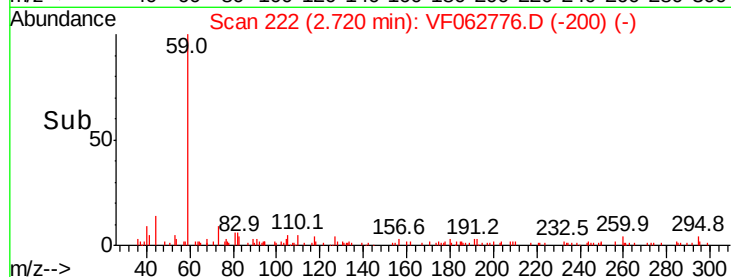
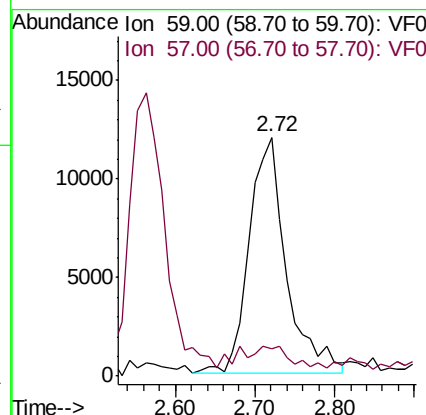
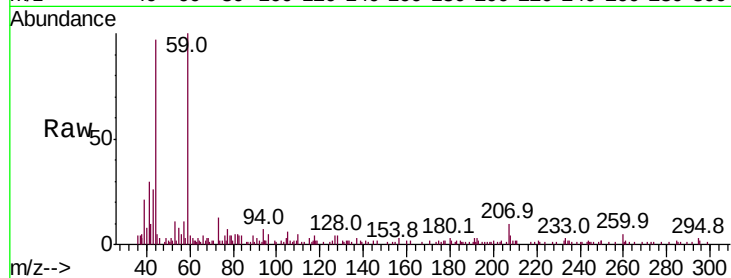




#11
Tert butyl alcohol
Concen: 109.992 ug/l
RT: 2.72 min Scan# 222
Delta R.T. 0.02 min
Lab File: VF062776.D
Acq: 29 May 2019 12:13

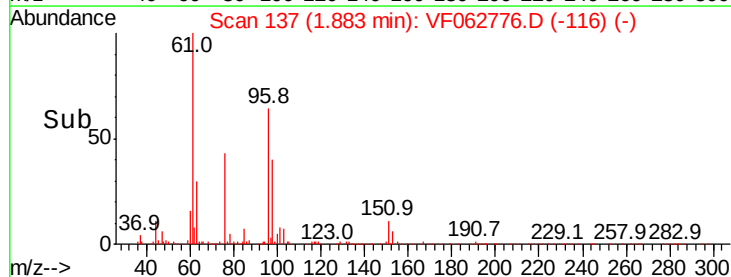
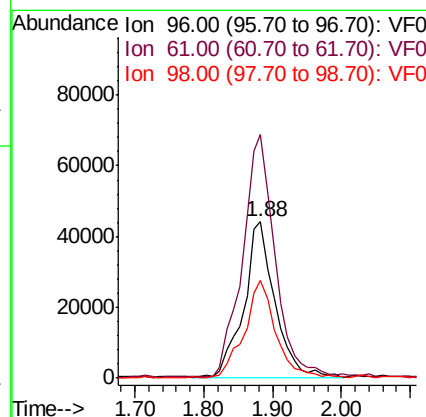
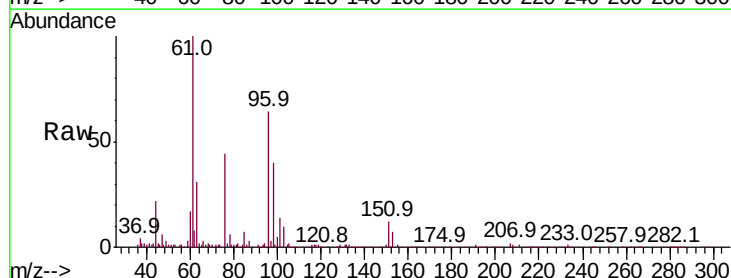
Instrument :
MSVOA_F
ClientSampleId :

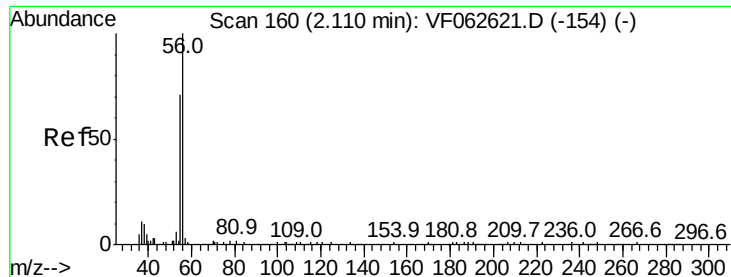
Tot Ion: 59 Resp: 38381
Ion Ratio Lower Upper
59 100
57 11.3 9.3 13.9



#12
1,1-Dichloroethene
Concen: 20.943 ug/l
RT: 1.88 min Scan# 137
Delta R.T. 0.01 min
Lab File: VF062776.D
Acq: 29 May 2019 12:13

Tgt Ion: 96 Resp: 140715
Ion Ratio Lower Upper
96 100
61 156.1 134.3 201.5
98 63.0 55.0 82.6





#13

Acrolein

Concen: 86.246 ug/l

RT: 2.11 min Scan# 160

Delta R.T. -0.00 min

Lab File: VF062776.D

Acq: 29 May 2019 12:13

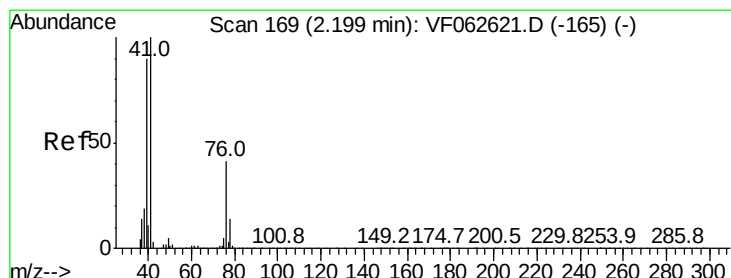
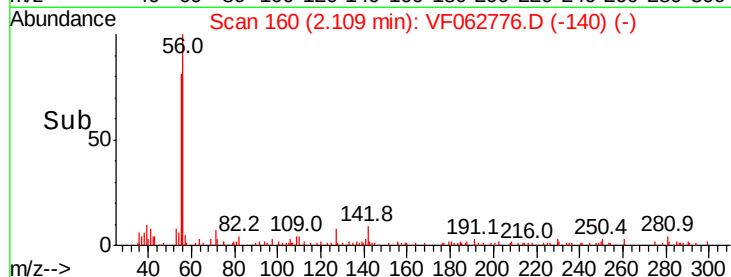
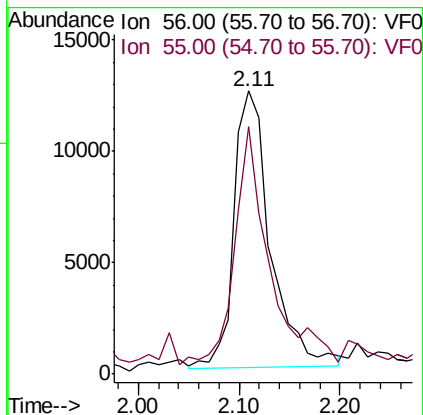
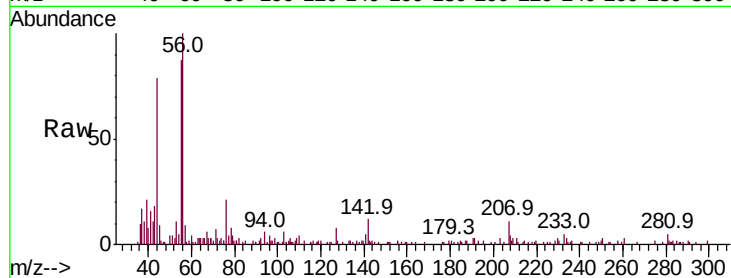
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 56 Resp: 31415

Ion Ratio Lower Upper

56 100

55 87.5 59.4 89.0



#14

Allyl chloride

Concen: 23.647 ug/l

RT: 2.21 min Scan# 170

Delta R.T. 0.01 min

Lab File: VF062776.D

Acq: 29 May 2019 12:13

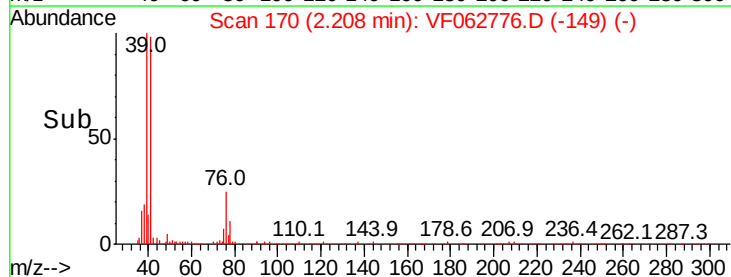
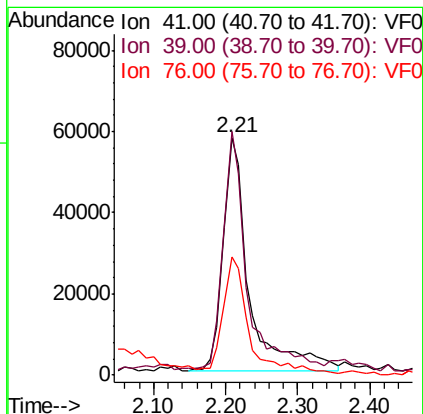
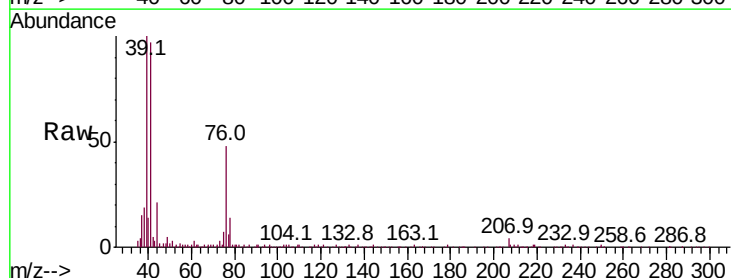
Tgt Ion: 41 Resp: 143797

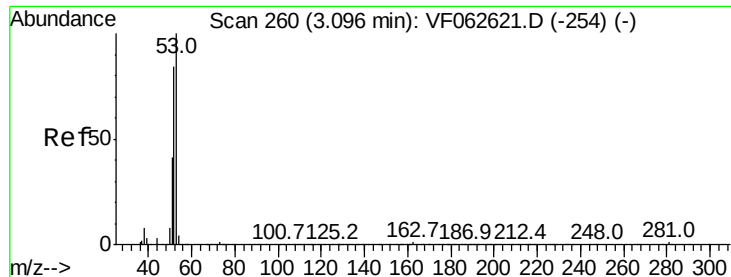
Ion Ratio Lower Upper

41 100

39 102.6 72.0 108.0

76 49.6 34.8 52.2





#15

Acrylonitrile

Concen: 117.373 ug/l

RT: 3.12 min Scan# 263

Delta R.T. 0.03 min

Lab File: VF062776.D

Acq: 29 May 2019 12:13

Instrument :
MSVOA_F
ClientSampleId :

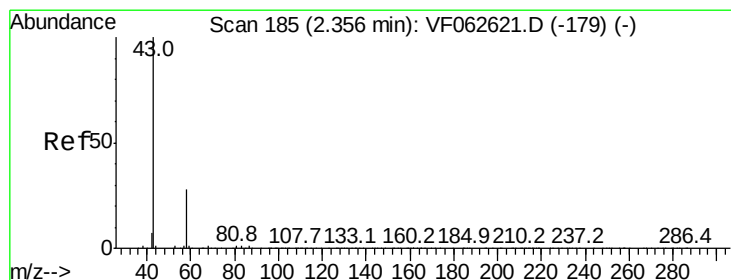
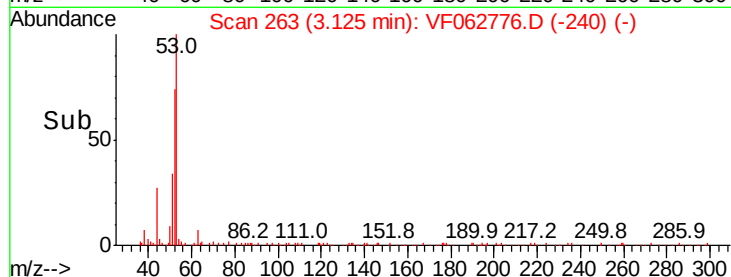
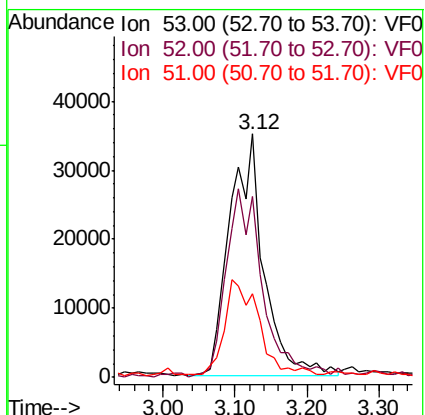
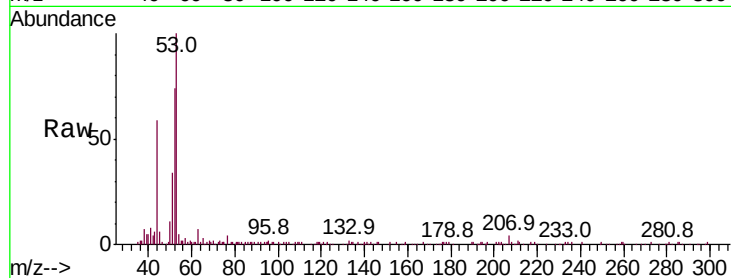
Tot Ion: 53 Resp: 115531

Ion Ratio Lower Upper

53 100

52 74.4 67.3 100.9

51 34.1 33.0 49.6



#16

Acetone

Concen: 91.256 ug/l

RT: 2.36 min Scan# 185

Delta R.T. -0.00 min

Lab File: VF062776.D

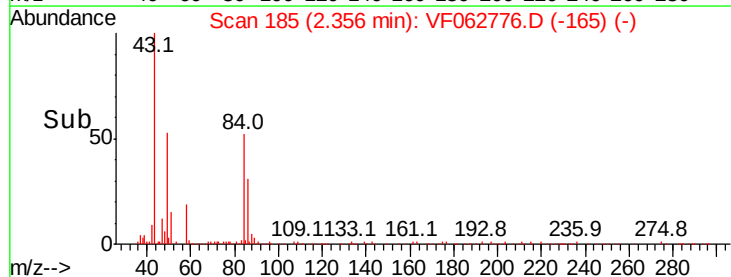
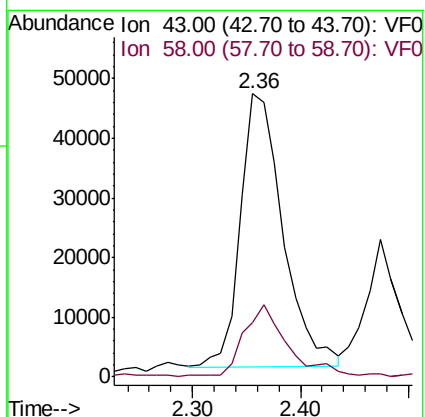
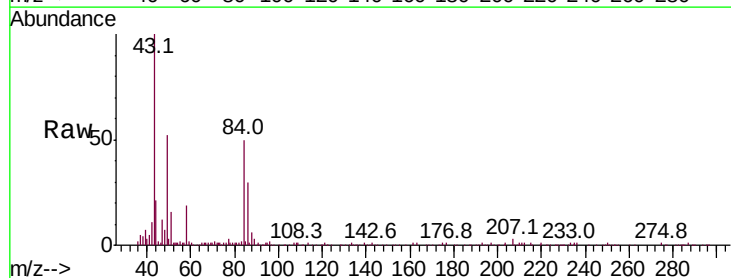
Acq: 29 May 2019 12:13

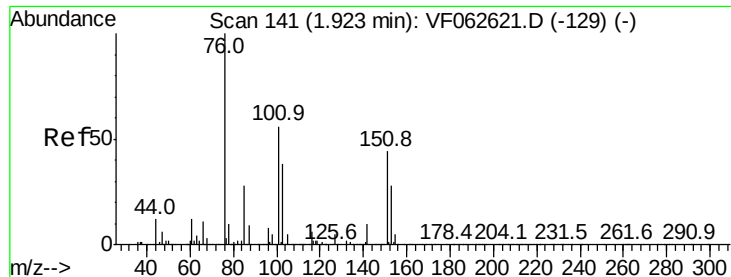
Tgt Ion: 43 Resp: 125129

Ion Ratio Lower Upper

43 100

58 19.2 22.6 33.8#





#17

Carbon Disulfide

Concen: 18.407 ug/l

RT: 1.92 min Scan# 141

Delta R.T. -0.00 min

Lab File: VF062776.D

Acq: 29 May 2019 12:13

Instrument :

MSVOA_F

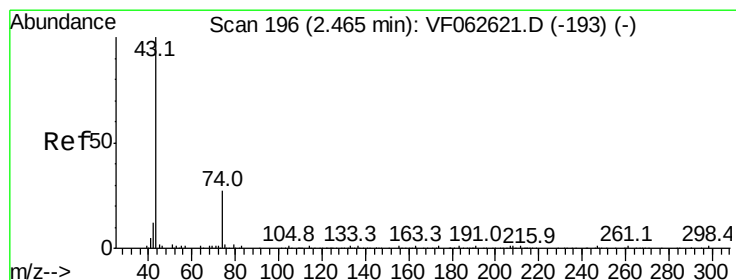
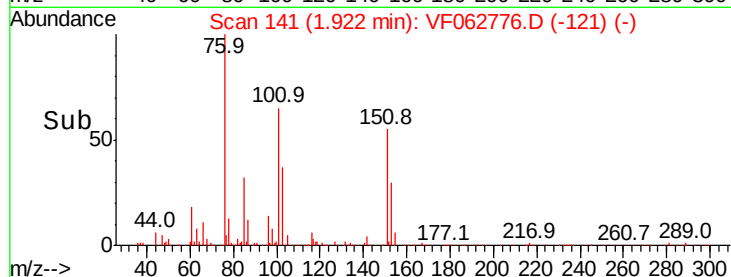
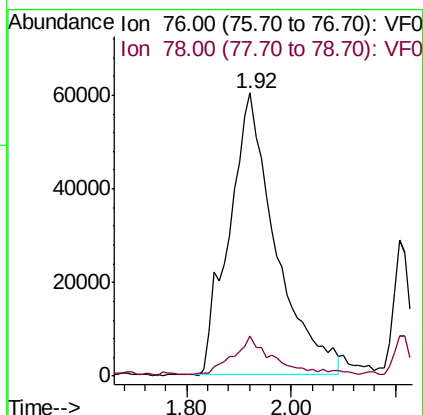
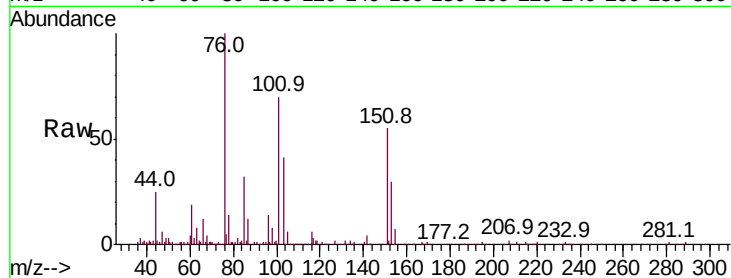
ClientSampled :

Tot Ion: 76 Resp: 366572

Ion Ratio Lower Upper

76 100

78 14.2 8.4 12.6#



#18

Methyl Acetate

Concen: 20.223 ug/l

RT: 2.47 min Scan# 197

Delta R.T. 0.01 min

Lab File: VF062776.D

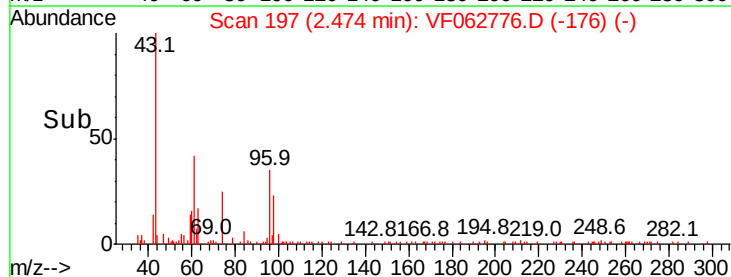
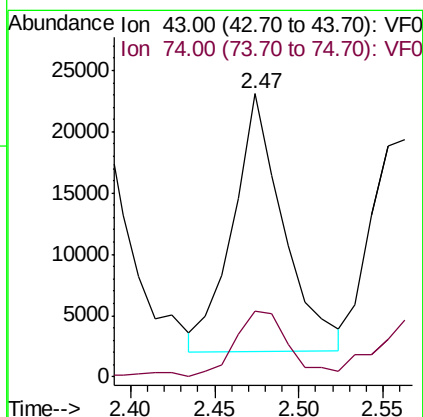
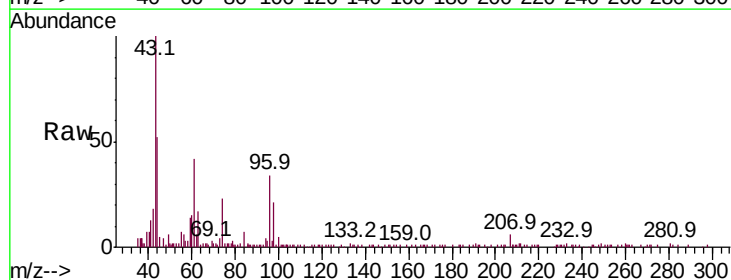
Acq: 29 May 2019 12:13

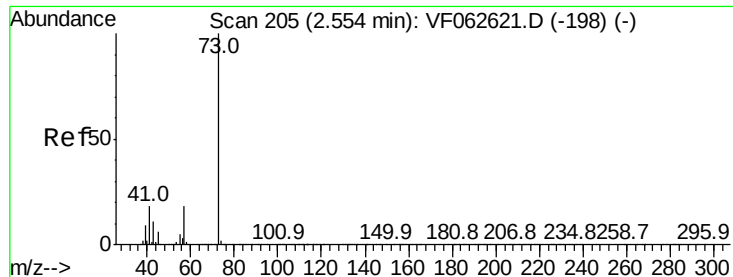
Tgt Ion: 43 Resp: 43575

Ion Ratio Lower Upper

43 100

74 23.2 18.9 28.3

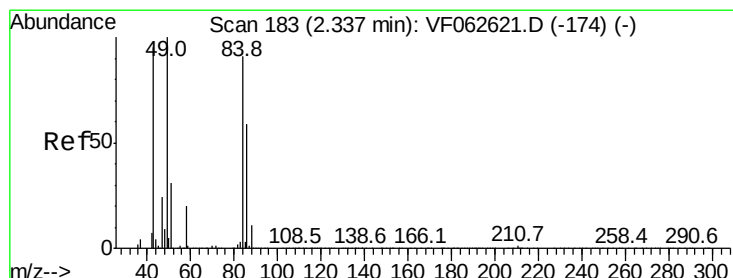
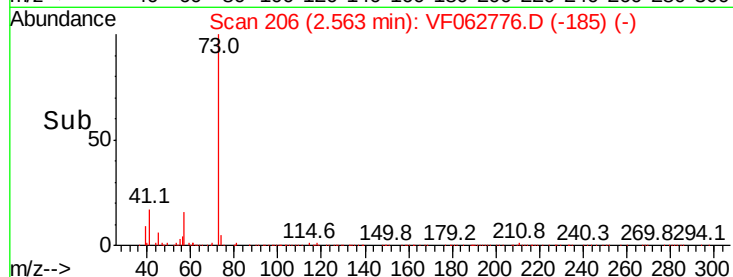
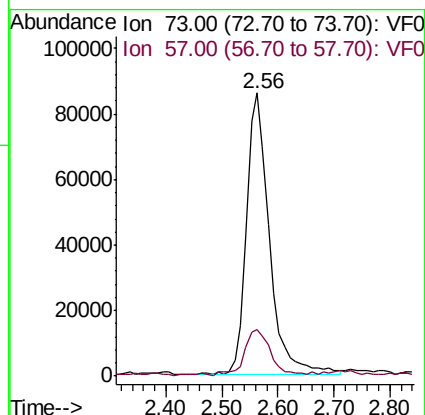
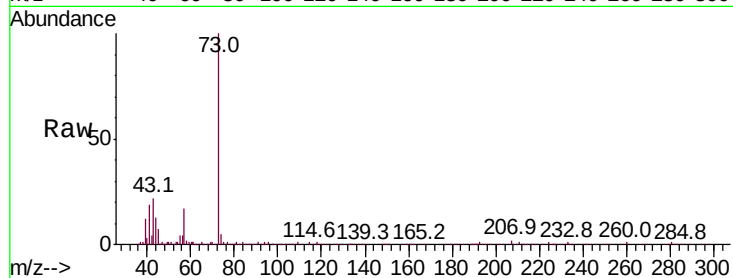




#19
Methyl tert-butyl Ether
Concen: 20.263 ug/l
RT: 2.56 min Scan# 206
Delta R.T. 0.01 min
Lab File: VF062776.D
Acq: 29 May 2019 12:13

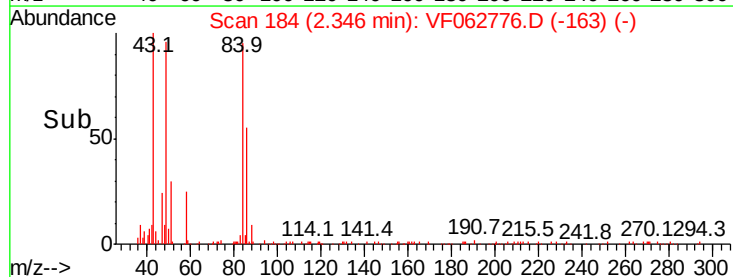
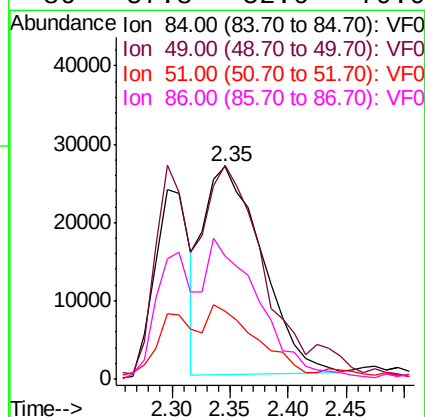
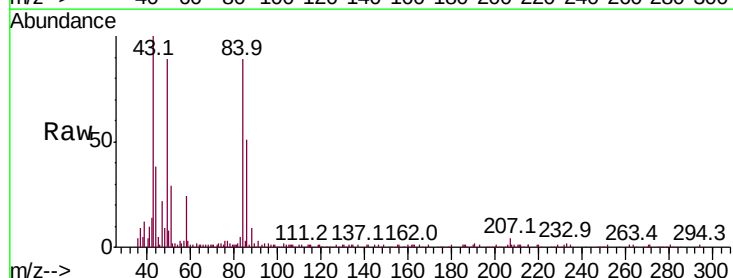
Instrument :
MSVOA_F
ClientSampleId :

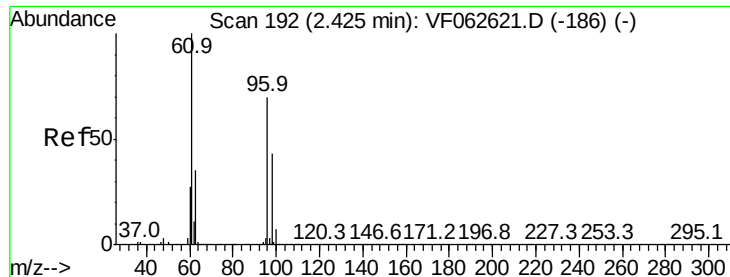
Tot Ion: 73 Resp: 243385
Ion Ratio Lower Upper
73 100
57 16.6 14.2 21.4



#20
Methylene Chloride
Concen: 13.590 ug/l
RT: 2.35 min Scan# 184
Delta R.T. 0.01 min
Lab File: VF062776.D
Acq: 29 May 2019 12:13

Tgt Ion: 84 Resp: 93406
Ion Ratio Lower Upper
84 100
49 100.5 89.8 134.8
51 32.1 28.4 42.6
86 57.8 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 20.354 ug/l

RT: 2.43 min Scan# 193

Delta R.T. 0.01 min

Lab File: VF062776.D

Acq: 29 May 2019 12:13

Instrument :

MSVOA_F

ClientSampleId :

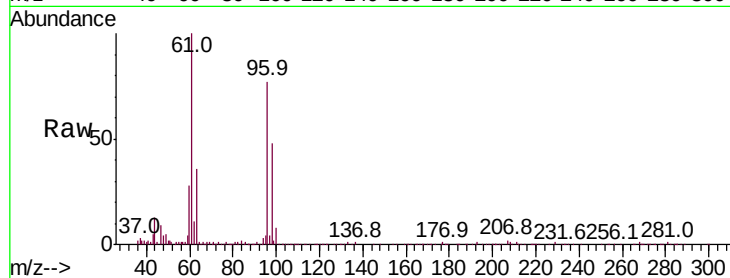
Tot Ion: 96 Resp: 133668

Ion Ratio Lower Upper

96 100

61 129.1 114.6 171.8

98 61.4 49.5 74.3



Abundance

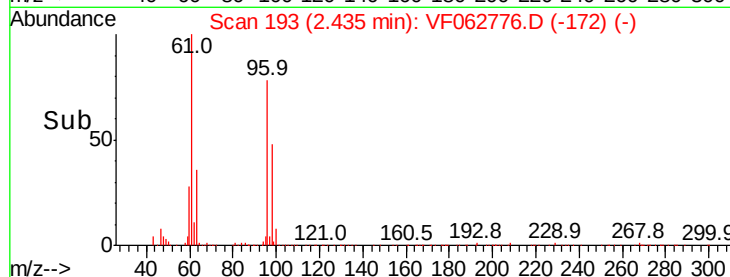
Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

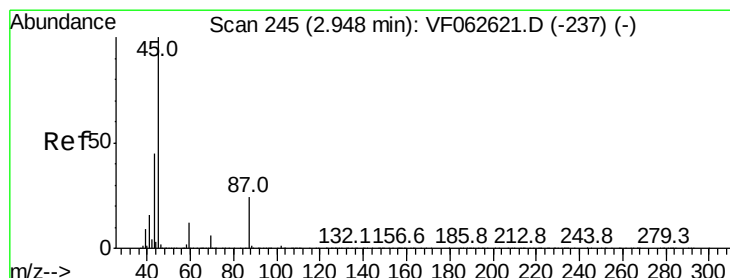
Ion 98.00 (97.70 to 98.70): VF0

2.43

Time-->



Time-->



#22

Diisopropyl ether

Concen: 19.933 ug/l

RT: 2.96 min Scan# 246

Delta R.T. 0.01 min

Lab File: VF062776.D

Acq: 29 May 2019 12:13

Tgt Ion: 45 Resp: 298962

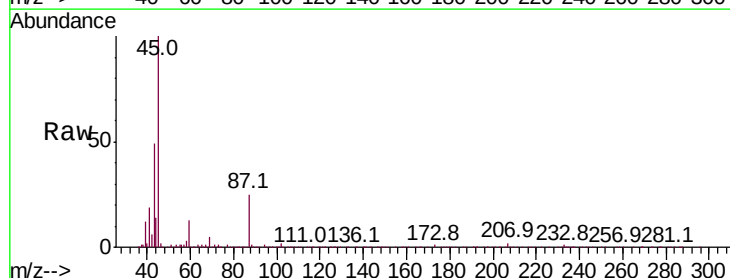
Ion Ratio Lower Upper

45 100

43 48.9 36.4 54.6

87 25.5 19.3 28.9

59 13.1 9.4 14.2



Abundance

Ion 45.00 (44.70 to 45.70): VF0

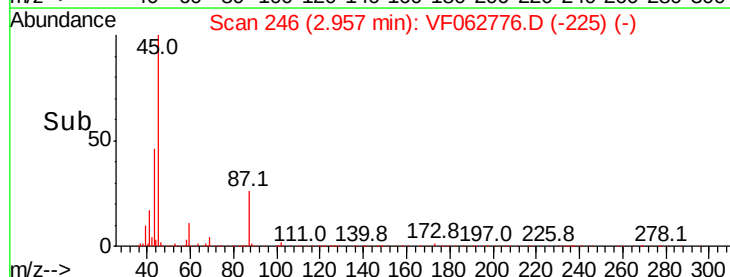
Ion 43.00 (42.70 to 43.70): VF0

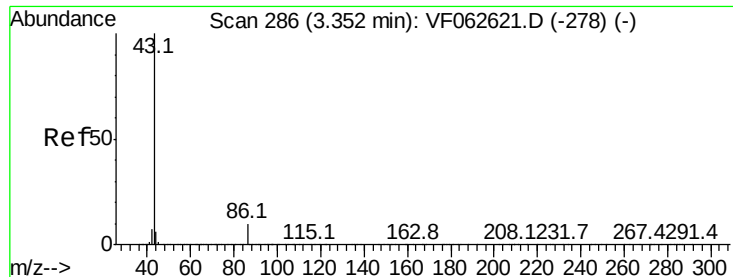
Ion 87.00 (86.70 to 87.70): VF0

Ion 59.00 (58.70 to 59.70): VF0

2.96

Time-->





#23

Vinyl Acetate

Concen: 110.821 ug/l

RT: 3.36 min Scan# 287

Delta R.T. 0.01 min

Lab File: VF062776.D

Acq: 29 May 2019 12:13

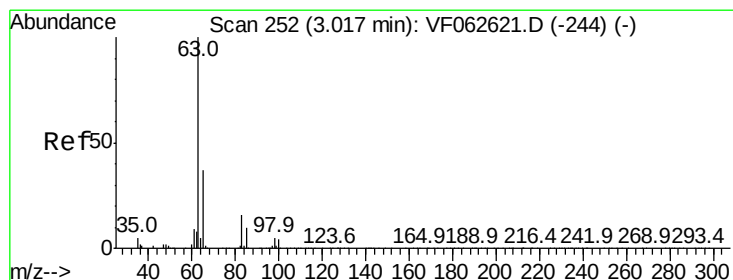
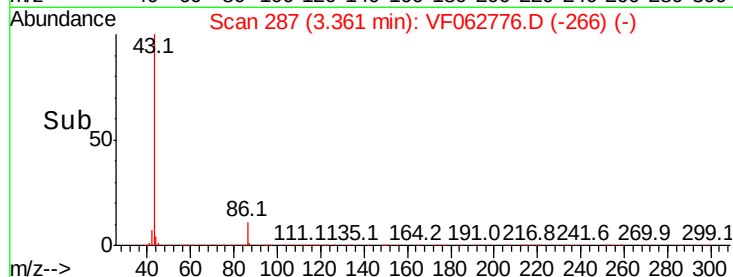
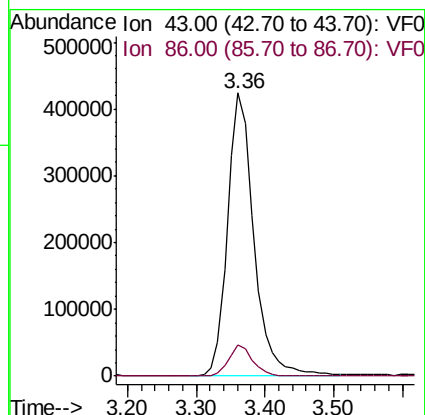
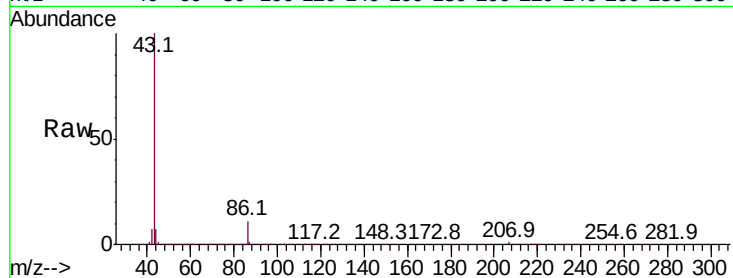
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 43 Resp: 1121224

Ion Ratio Lower Upper

43 100

86 10.8 8.2 12.2



#24

1,1-Dichloroethane

Concen: 20.230 ug/l

RT: 3.03 min Scan# 253

Delta R.T. 0.01 min

Lab File: VF062776.D

Acq: 29 May 2019 12:13

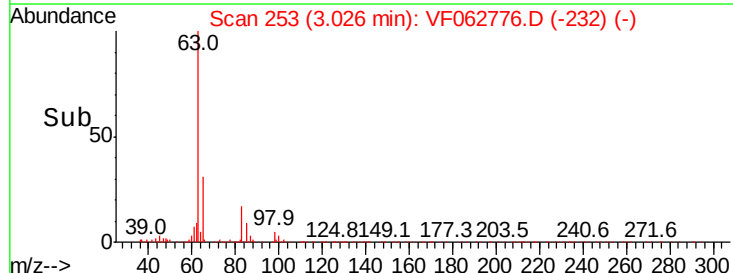
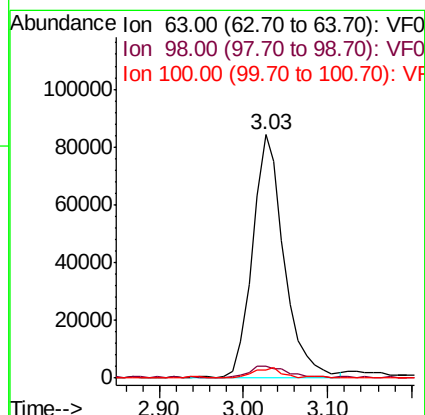
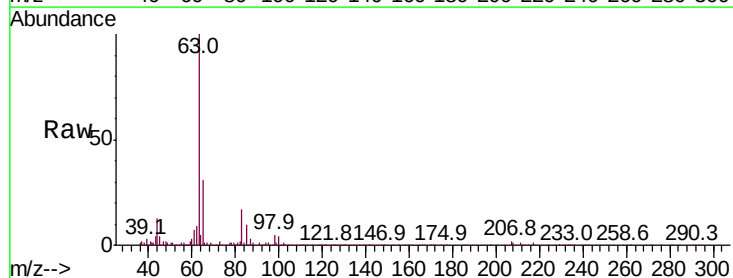
Tgt Ion: 63 Resp: 222589

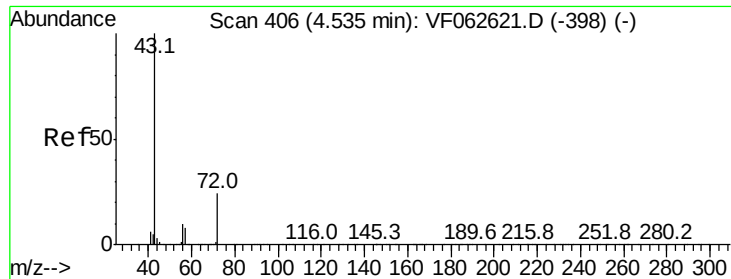
Ion Ratio Lower Upper

63 100

98 5.0 2.8 8.3

100 3.5 1.9 5.7





#25

2-Butanone

Concen: 107.460 ug/l

RT: 4.54 min Scan# 407

Delta R.T. 0.01 min

Lab File: VF062776.D

Acq: 29 May 2019 12:13

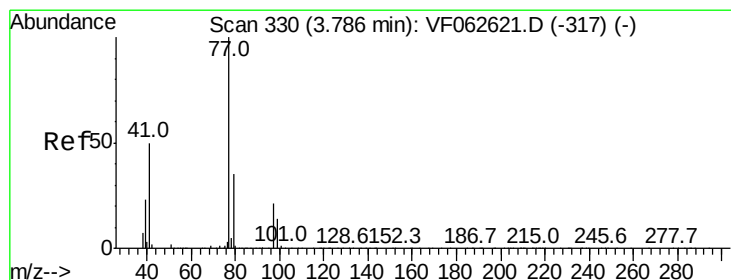
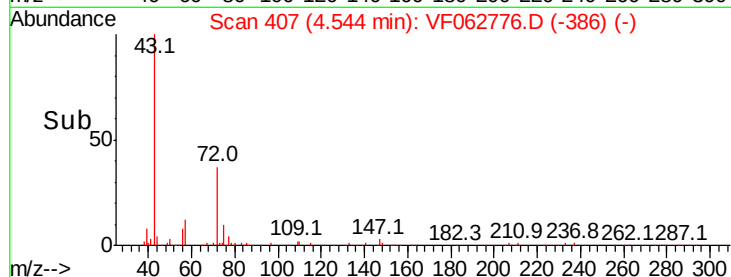
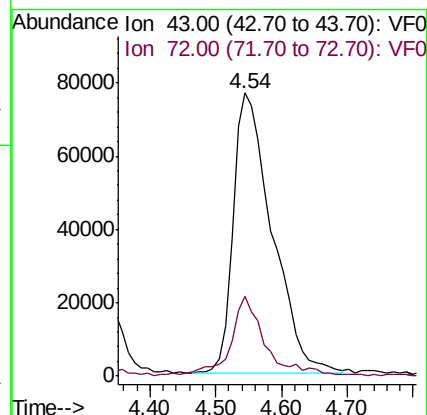
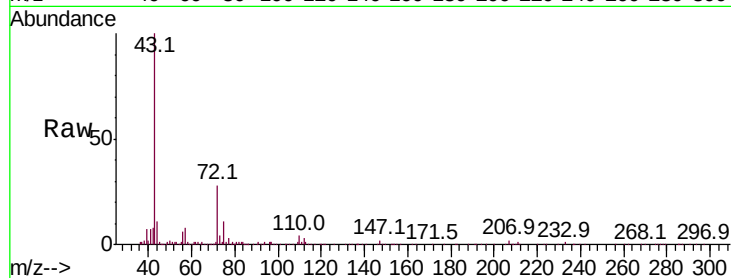
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 314809

Ion Ratio Lower Upper

43 100

72 28.1 20.1 30.1



#26

2,2-Dichloropropane

Concen: 22.628 ug/l

RT: 3.79 min Scan# 331

Delta R.T. 0.01 min

Lab File: VF062776.D

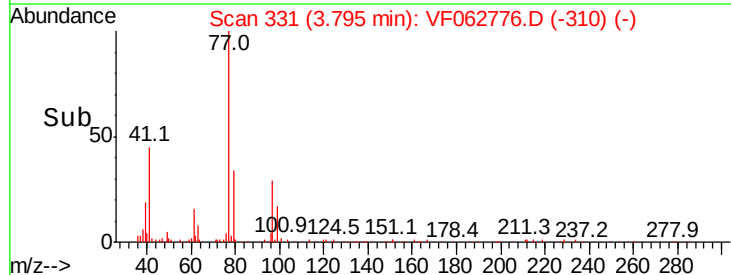
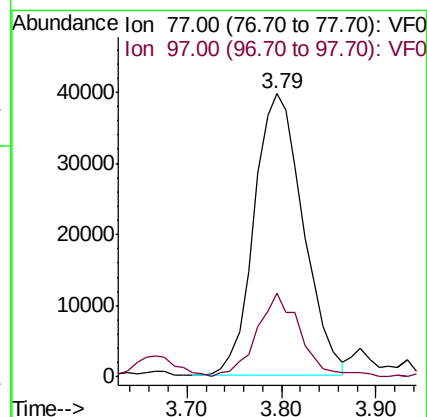
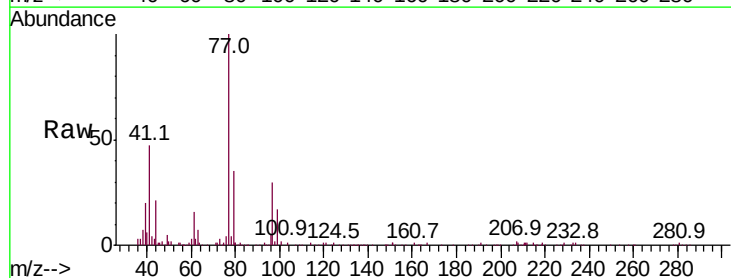
Acq: 29 May 2019 12:13

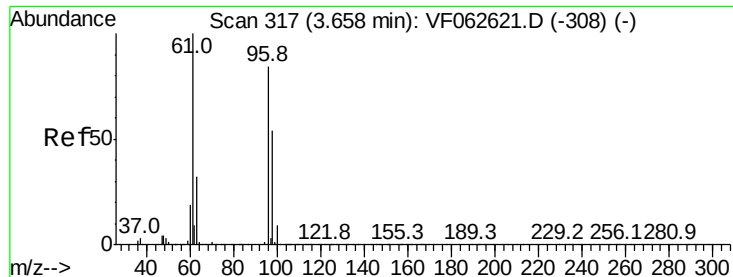
Tgt Ion: 77 Resp: 142451

Ion Ratio Lower Upper

77 100

97 29.5 14.1 42.4



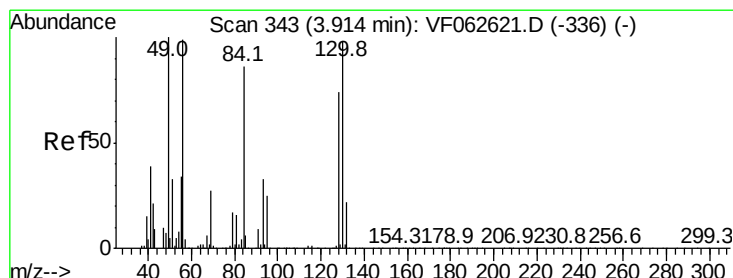
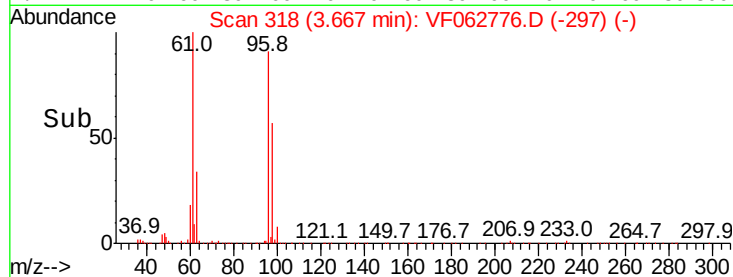
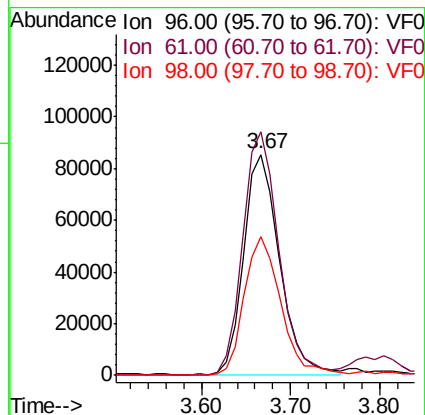
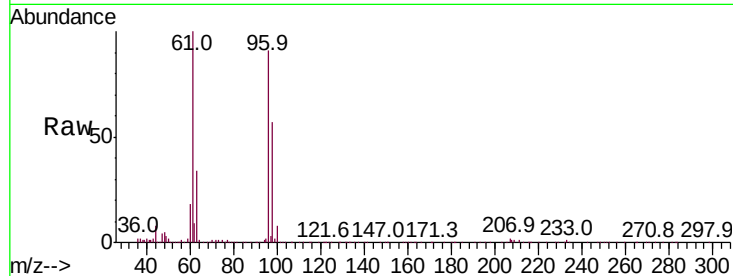


#27

cis-1,2-Dichloroethene
Concen: 22.049 ug/l
RT: 3.67 min Scan# 318
Delta R.T. 0.01 min
Lab File: VF062776.D
Acq: 29 May 2019 12:13

Instrument :
MSVOA_F
ClientSampleId :

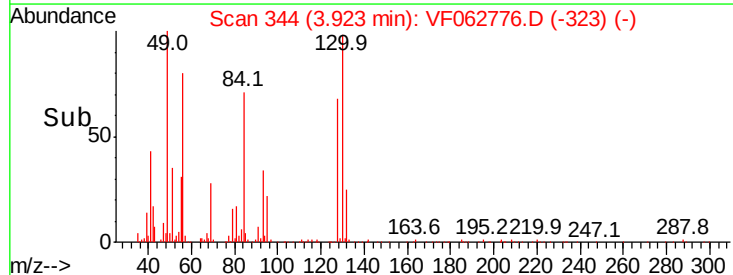
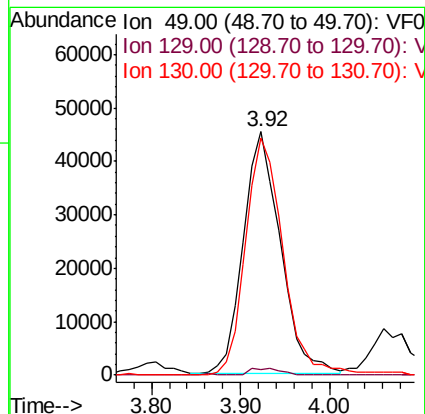
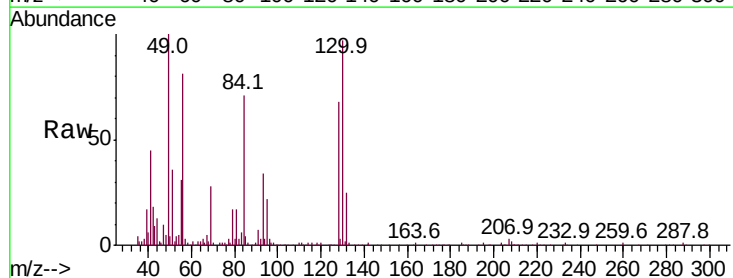
Tot Ion	96	Resp	238187
Ion	Ratio	Lower	Upper
96	100		
61	110.2	0.0	237.4
98	63.0	0.0	129.0

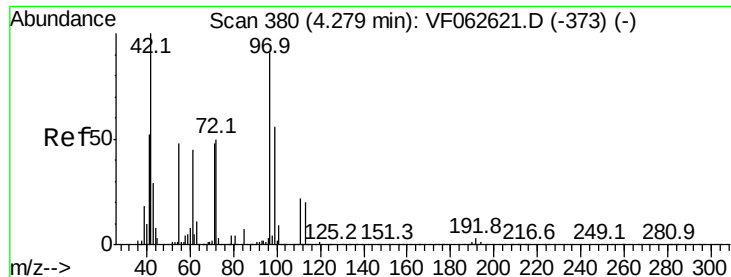


#28

Bromochloromethane
Concen: 21.225 ug/l
RT: 3.92 min Scan# 344
Delta R.T. 0.01 min
Lab File: VF062776.D
Acq: 29 May 2019 12:13

Tgt Ion	49	Resp	130978
Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	4.0
130	97.2	77.8	116.8

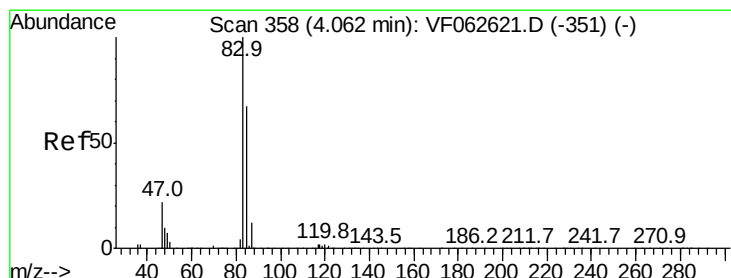
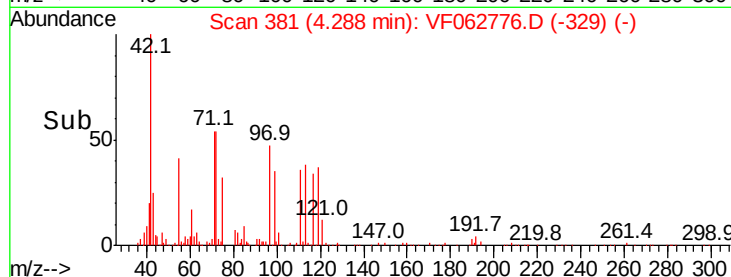
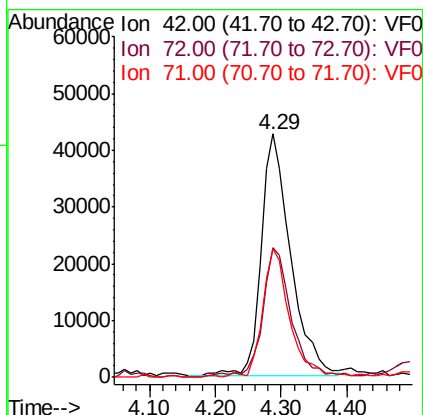
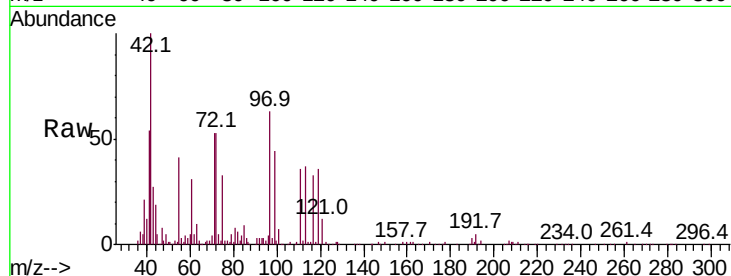




#29
Tetrahydrofuran
Concen: 112.486 ug/l
RT: 4.29 min Scan# 381
Delta R.T. 0.01 min
Lab File: VF062776.D
Acq: 29 May 2019 12:13

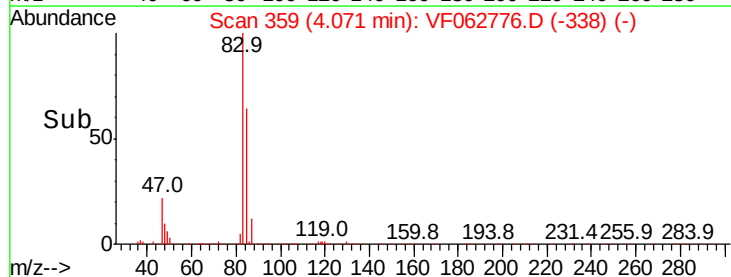
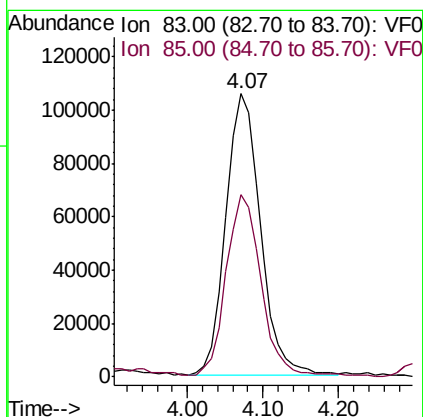
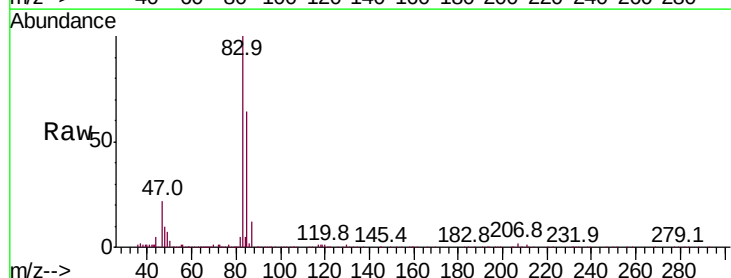
Instrument :
MSVOA_F
ClientSampleId :

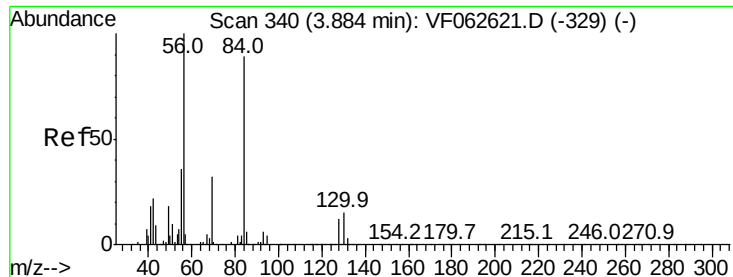
Tot Ion: 42 Resp: 133351
Ion Ratio Lower Upper
42 100
72 50.0 38.2 57.2
71 49.4 35.8 53.6



#30
Chloroform
Concen: 21.953 ug/l
RT: 4.07 min Scan# 359
Delta R.T. 0.01 min
Lab File: VF062776.D
Acq: 29 May 2019 12:13

Tgt Ion: 83 Resp: 335352
Ion Ratio Lower Upper
83 100
85 64.3 53.6 80.4

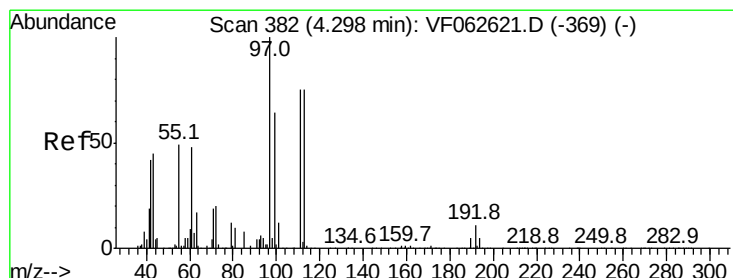
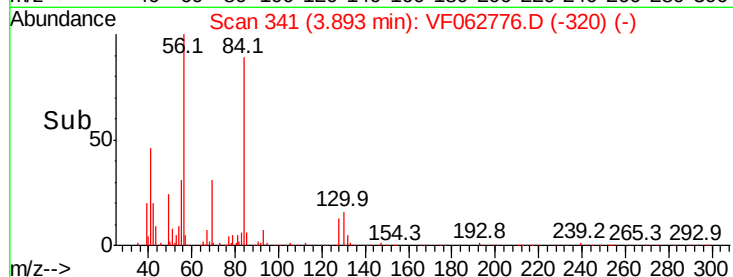
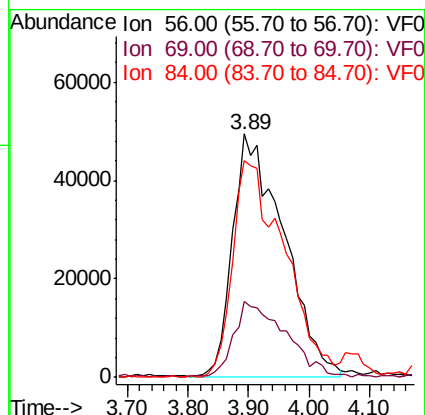
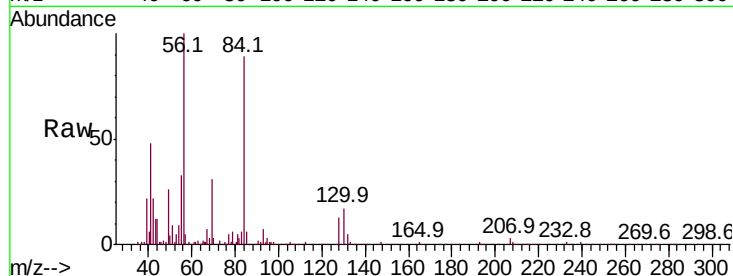




#31
Cyclohexane
Concen: 19.671 ug/l
RT: 3.89 min Scan# 341
Delta R.T. 0.01 min
Lab File: VF062776.D
Acq: 29 May 2019 12:13

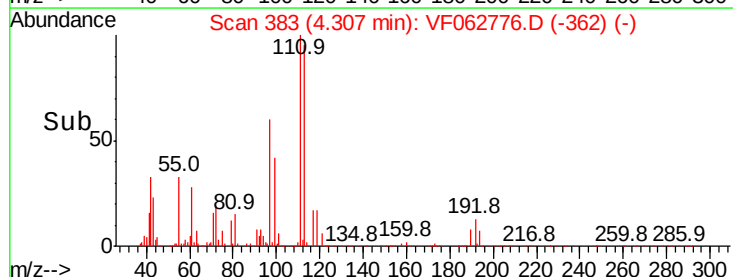
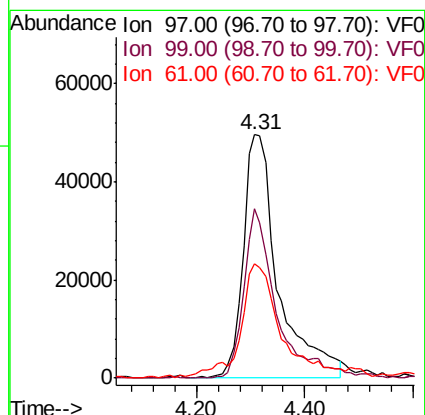
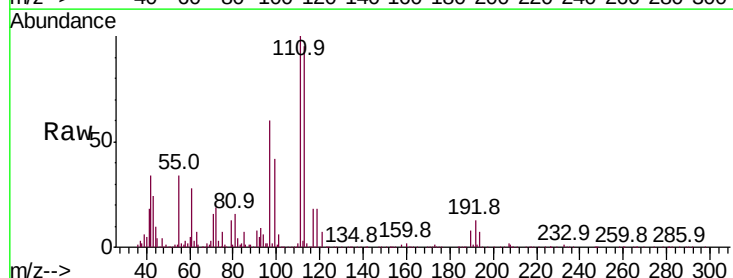
Instrument :
MSVOA_F
ClientSampleId :

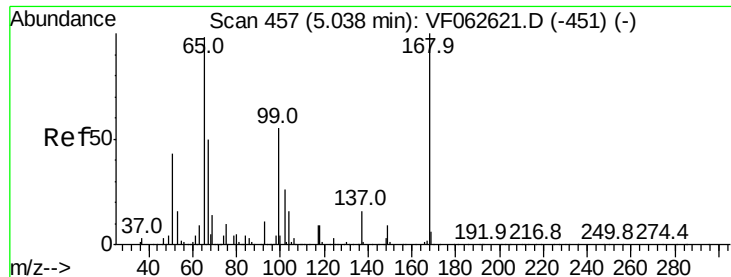
Tot Ion: 56 Resp: 290614
Ion Ratio Lower Upper
56 100
69 31.3 25.3 37.9
84 89.3 71.0 106.4



#32
1,1,1-Trichloroethane
Concen: 21.842 ug/l
RT: 4.31 min Scan# 383
Delta R.T. 0.01 min
Lab File: VF062776.D
Acq: 29 May 2019 12:13

Tgt Ion: 97 Resp: 221592
Ion Ratio Lower Upper
97 100
99 69.3 51.3 76.9
61 46.9 38.2 57.2





#33

1,2-Dichloroethane-d4

Concen: 46.324 ug/l

RT: 5.05 min Scan# 458

Delta R.T. 0.01 min

Lab File: VF062776.D

Acq: 29 May 2019 12:13

Instrument :

MSVOA_F

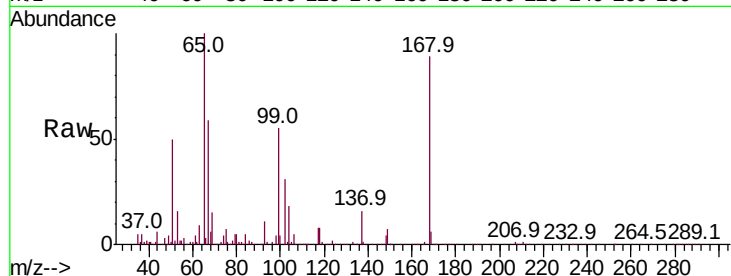
ClientSampleId :

Tot Ion: 65 Resp: 244841

Ion Ratio Lower Upper

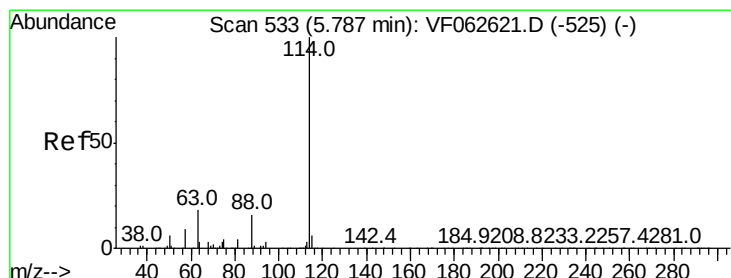
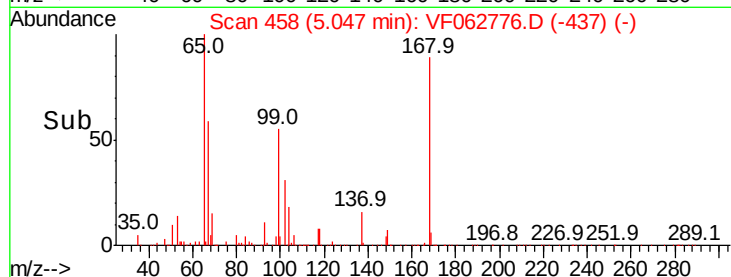
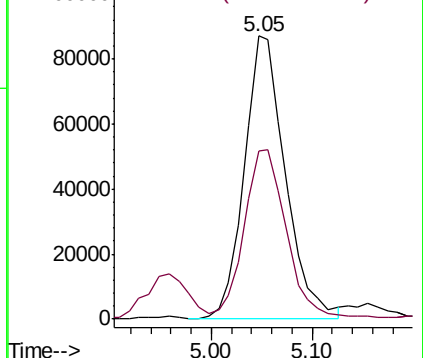
65 100

67 59.5 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: 5.80 min Scan# 534

Delta R.T. 0.01 min

Lab File: VF062776.D

Acq: 29 May 2019 12:13

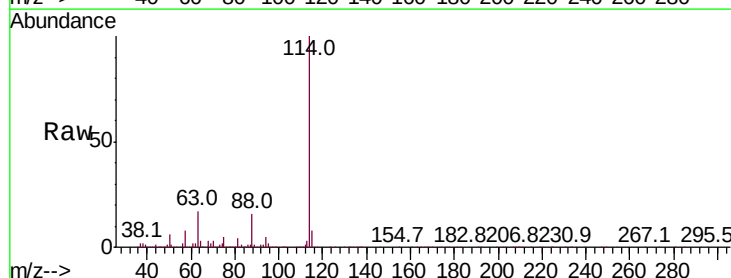
Tgt Ion: 114 Resp: 1236295

Ion Ratio Lower Upper

114 100

63 17.4 0.0 35.4

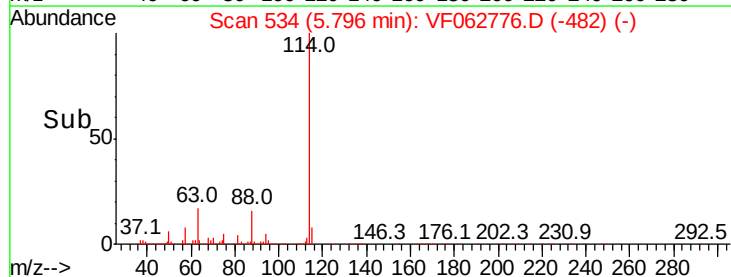
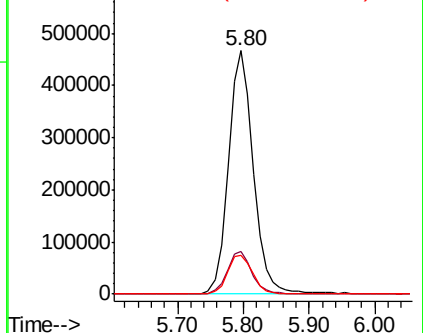
88 16.2 0.0 32.4

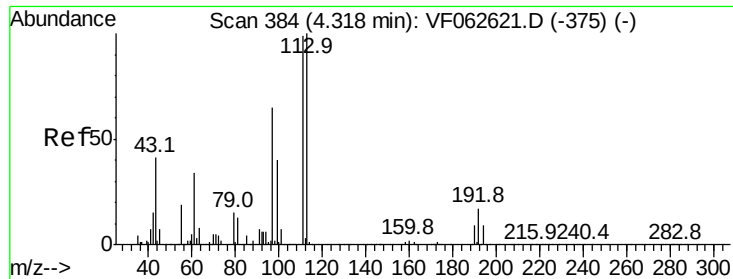


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

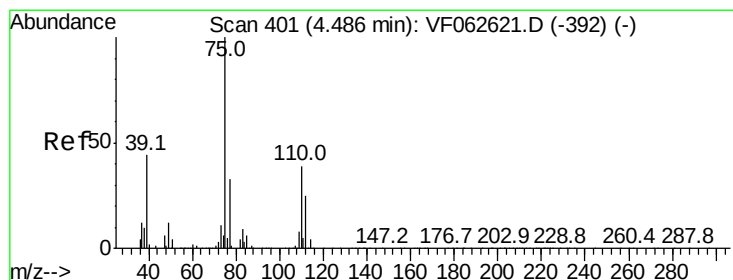
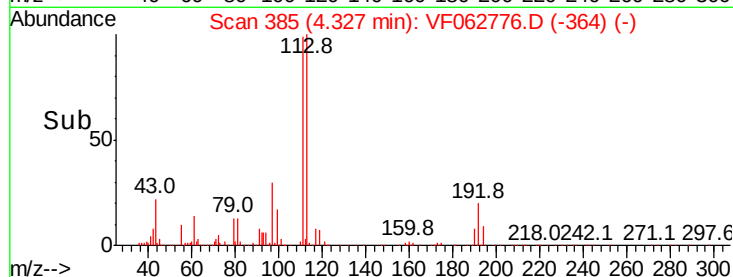
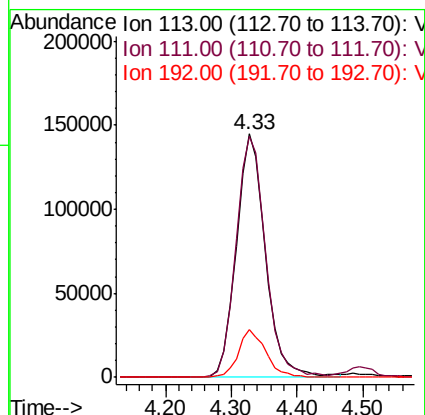
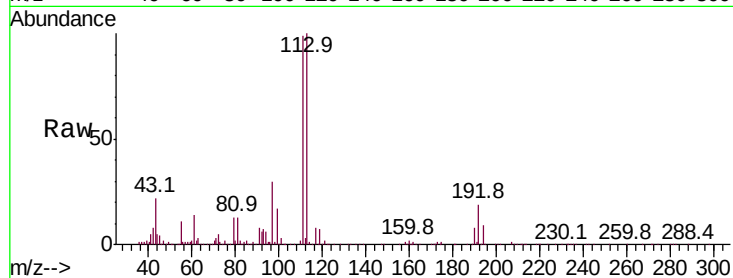




#35
 Dibromofluoromethane
 Concen: 47.463 ug/l
 RT: 4.33 min Scan# 385
 Delta R.T. 0.01 min
 Lab File: VF062776.D
 Acq: 29 May 2019 12:13

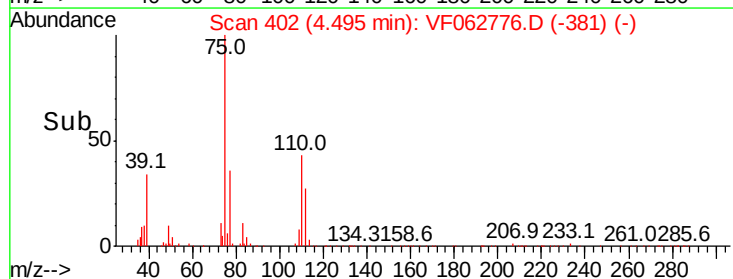
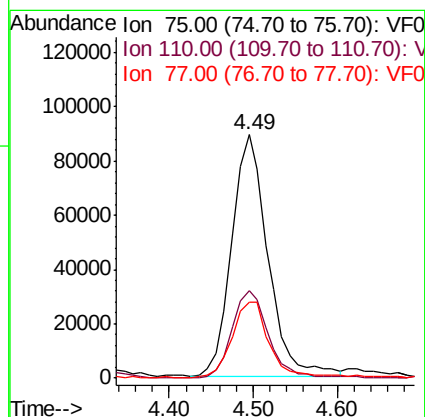
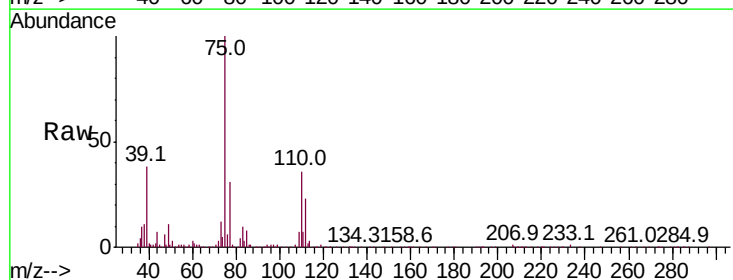
Instrument :
 MSVOA_F
 ClientSampleId :

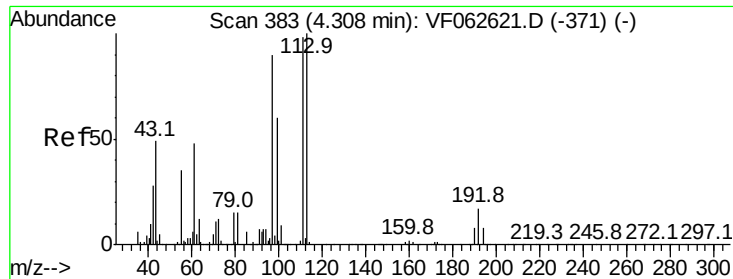
Tot Ion:113 Resp: 449010
 Ion Ratio Lower Upper
 113 100
 111 98.9 79.4 119.2
 192 19.8 13.4 20.2



#36
 1,1-Dichloropropene
 Concen: 21.076 ug/l
 RT: 4.49 min Scan# 402
 Delta R.T. 0.01 min
 Lab File: VF062776.D
 Acq: 29 May 2019 12:13

Tgt Ion: 75 Resp: 266996
 Ion Ratio Lower Upper
 75 100
 110 36.0 19.7 59.1
 77 31.4 26.3 39.5





#37

Ethyl Acetate

Concen: 22.902 ug/l

RT: 4.33 min Scan# 385

Delta R.T. 0.02 min

Lab File: VF062776.D

Acq: 29 May 2019 12:13

Instrument :

MSVOA_F

ClientSampleId :

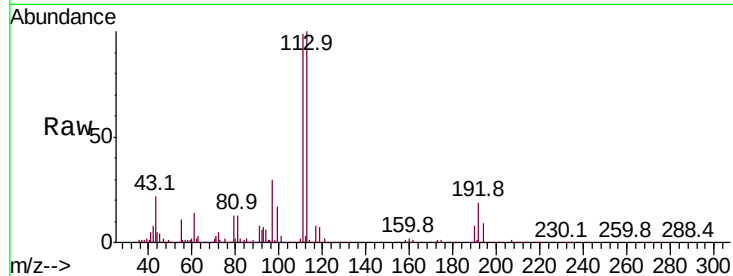
Tot Ion: 43 Resp: 118457

Ion Ratio Lower Upper

43 100

61 64.0 76.9 115.3#

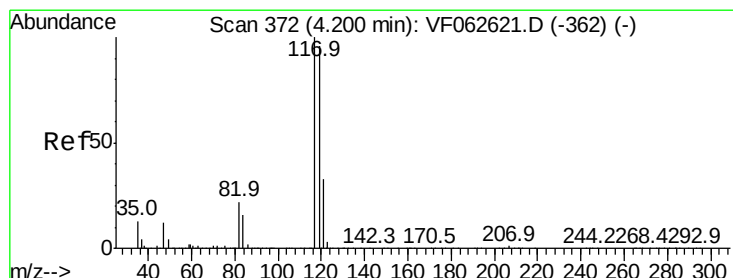
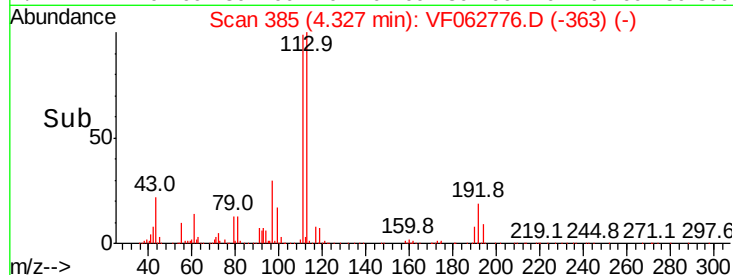
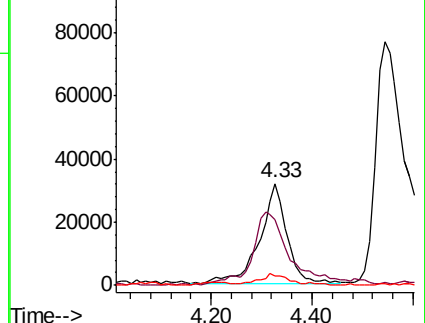
70 9.5 8.8 13.2



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0



#38

Carbon Tetrachloride

Concen: 21.250 ug/l

RT: 4.21 min Scan# 373

Delta R.T. 0.01 min

Lab File: VF062776.D

Acq: 29 May 2019 12:13

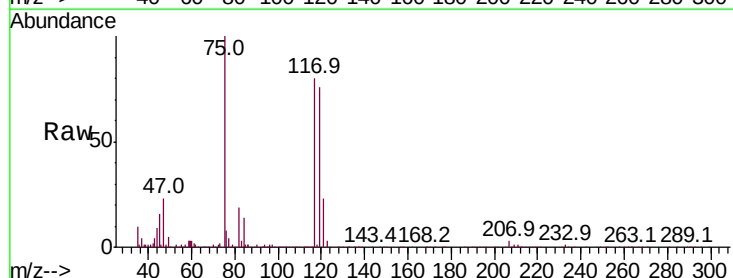
Tgt Ion: 117 Resp: 202454

Ion Ratio Lower Upper

117 100

119 95.5 76.7 115.1

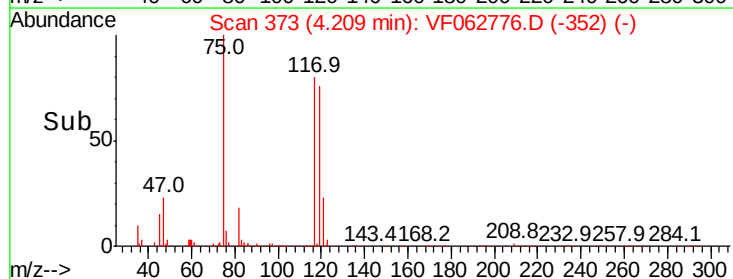
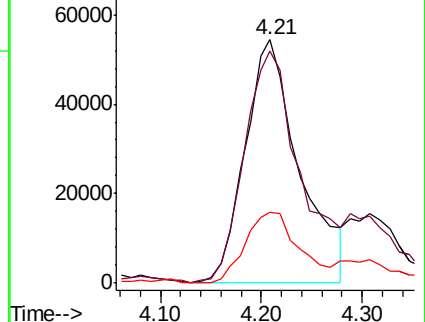
121 29.0 26.6 40.0

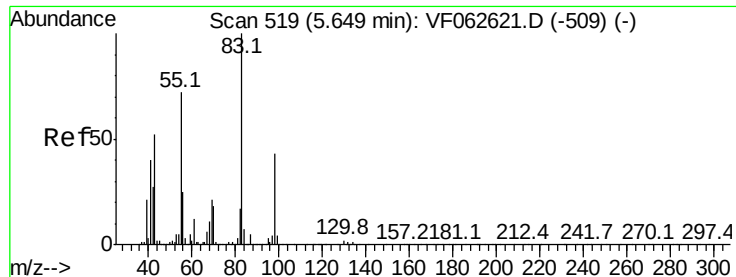


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V

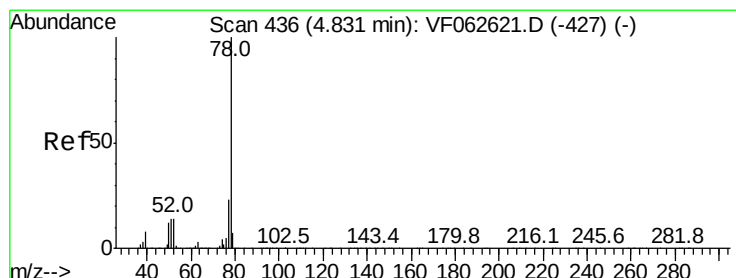
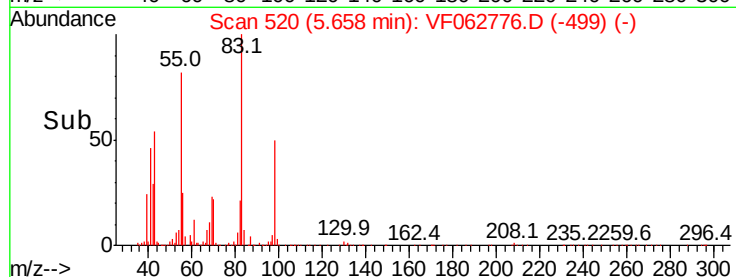
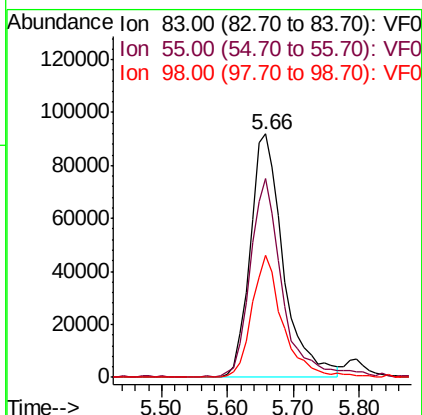
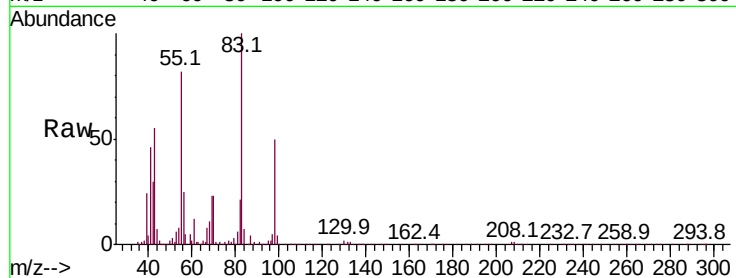




#39
Methylvlcyclohexane
Concen: 21.253 ug/l
RT: 5.66 min Scan# 520
Delta R.T. 0.01 min
Lab File: VF062776.D
Acq: 29 May 2019 12:13

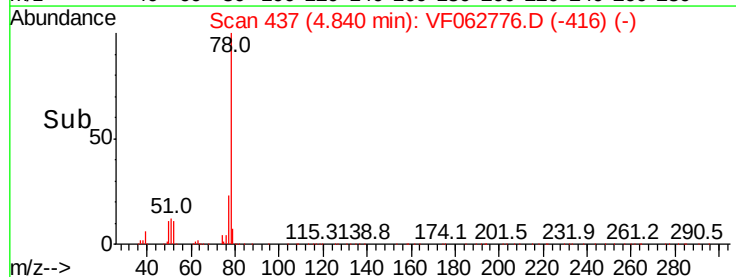
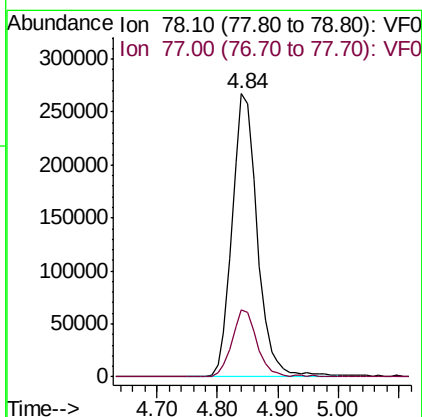
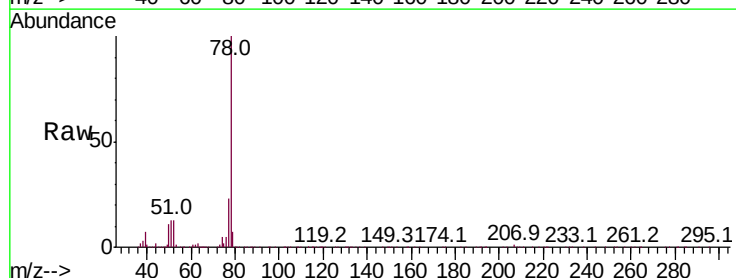
Instrument :
MSVOA_F
ClientSampleId :

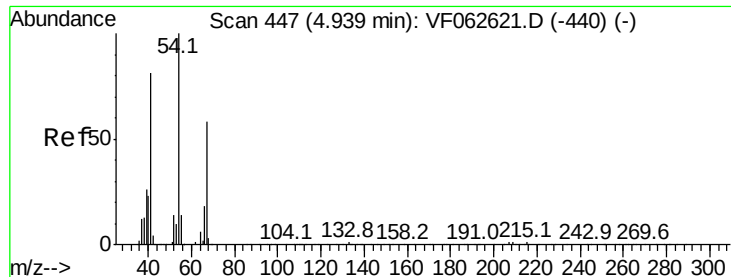
Tot Ion: 83 Resp: 323966
Ion Ratio Lower Upper
83 100
55 81.8 57.9 86.9
98 49.9 34.6 52.0



#40
Benzene
Concen: 22.469 ug/l
RT: 4.84 min Scan# 437
Delta R.T. 0.01 min
Lab File: VF062776.D
Acq: 29 May 2019 12:13

Tgt Ion: 78 Resp: 775433
Ion Ratio Lower Upper
78 100
77 23.5 18.2 27.2





#41

Methacrylonitrile

Concen: 19.864 ug/l

RT: 4.95 min Scan# 448

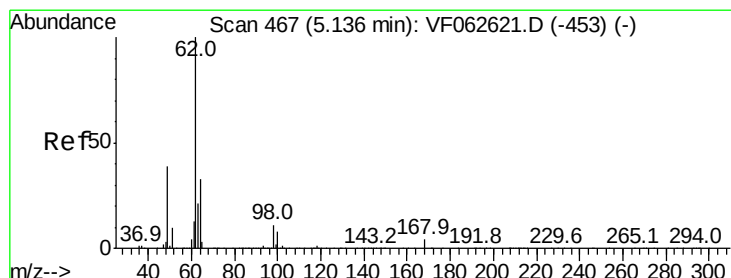
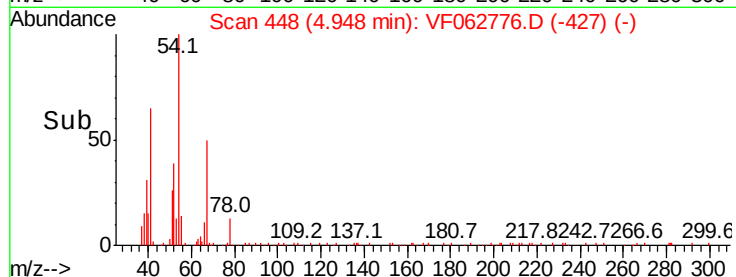
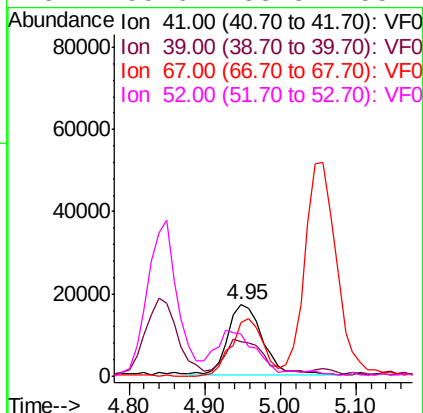
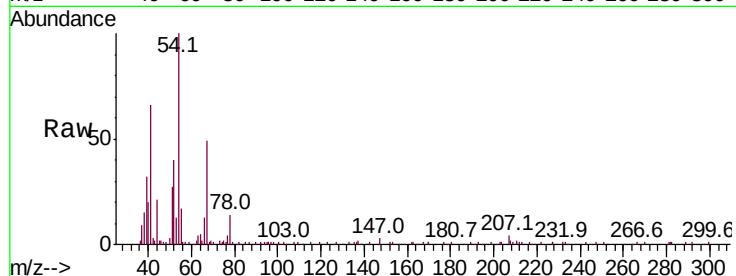
Delta R.T. 0.01 min

Lab File: VF062776.D

Acq: 29 May 2019 12:13

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	41	Resp:	53867
Ion	Ratio	Lower	Upper
41	100		
39	48.3	42.2	63.2
67	74.6	56.4	84.6
52	59.6	38.8	58.2#



#42

1,2-Dichloroethane

Concen: 20.881 ug/l

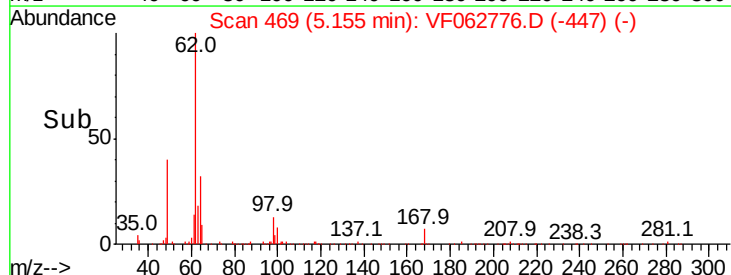
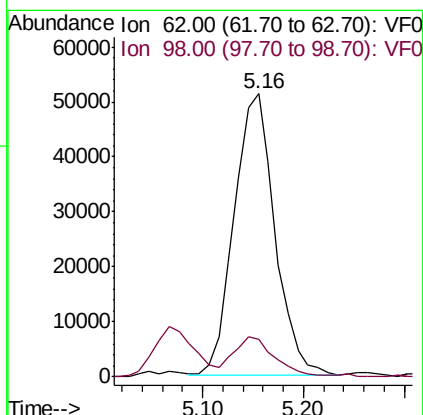
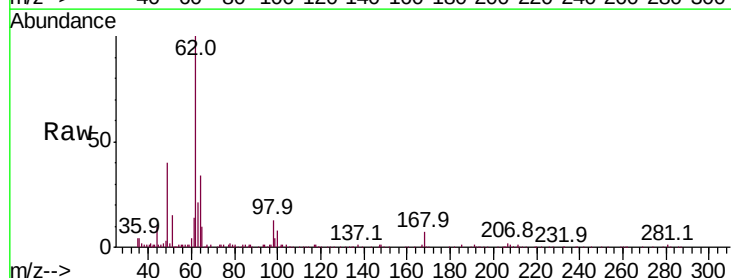
RT: 5.16 min Scan# 469

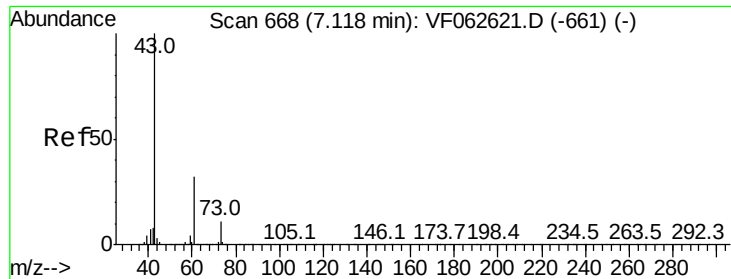
Delta R.T. 0.02 min

Lab File: VF062776.D

Acq: 29 May 2019 12:13

Tgt Ion:	62	Resp:	143710
Ion	Ratio	Lower	Upper
62	100		
98	13.2	0.0	21.6





#43

Isopropyl Acetate

Concen: 21.084 ug/l

RT: 7.14 min Scan# 670

Delta R.T. 0.02 min

Lab File: VF062776.D

Acq: 29 May 2019 12:13

Instrument :

MSVOA_F

ClientSampleId :

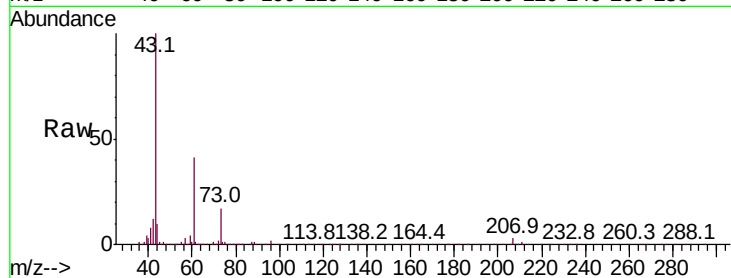
Tot Ion: 43 Resp: 141285

Ion Ratio Lower Upper

43 100

61 41.5 25.8 38.8#

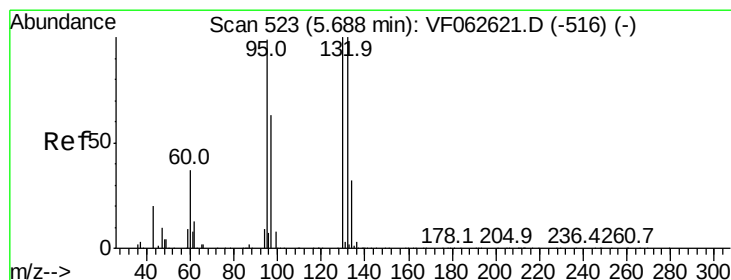
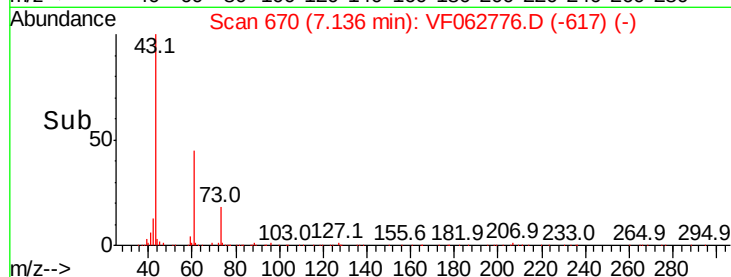
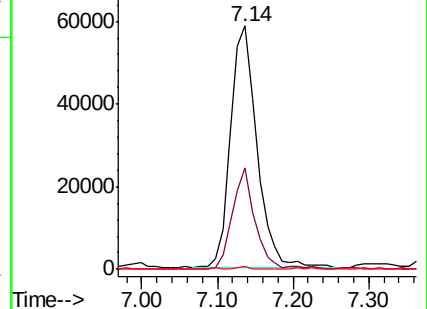
87 1.0 0.4 0.6#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0



#44

Trichloroethene

Concen: 22.232 ug/l

RT: 5.71 min Scan# 525

Delta R.T. 0.02 min

Lab File: VF062776.D

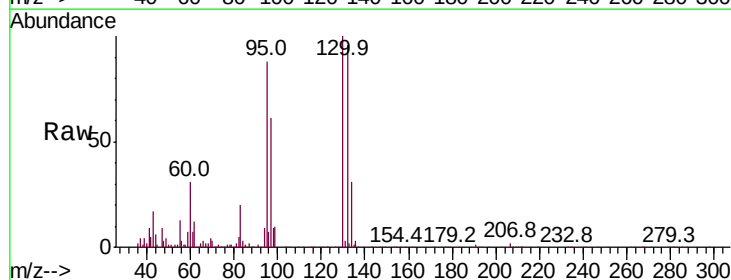
Acq: 29 May 2019 12:13

Tgt Ion:130 Resp: 215641

Ion Ratio Lower Upper

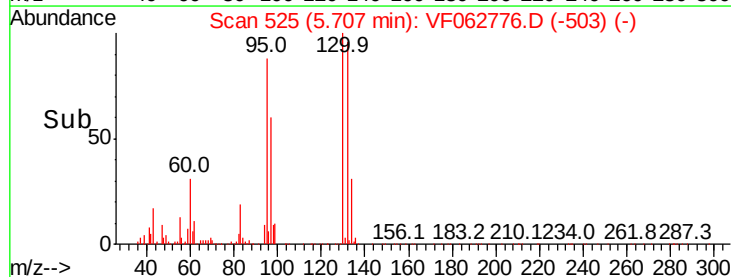
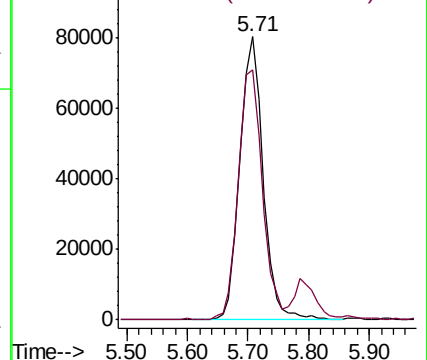
130 100

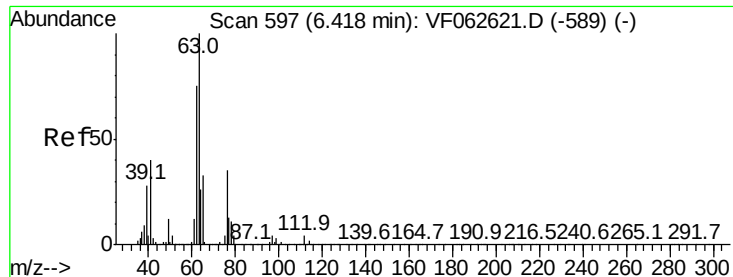
95 88.3 0.0 199.4



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 22.730 ug/l

RT: 6.43 min Scan# 598

Delta R.T. 0.01 min

Lab File: VF062776.D

Acq: 29 May 2019 12:13

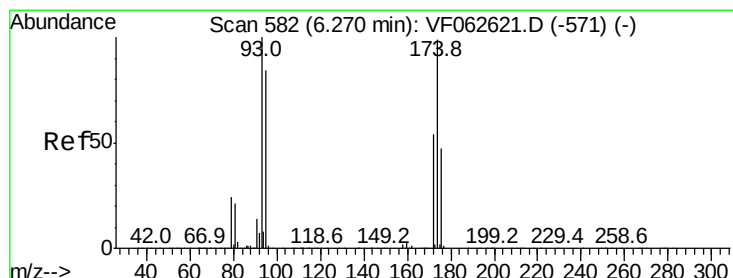
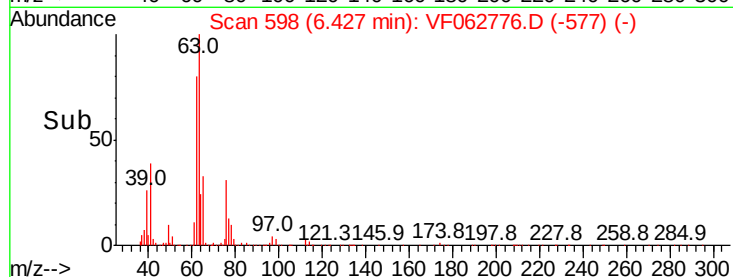
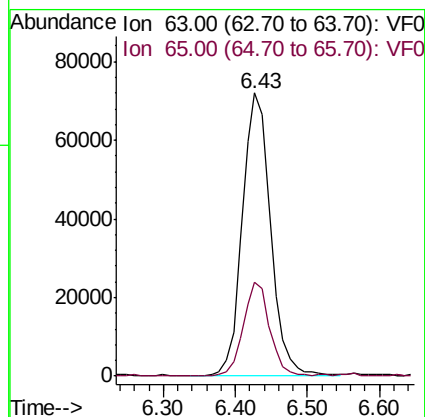
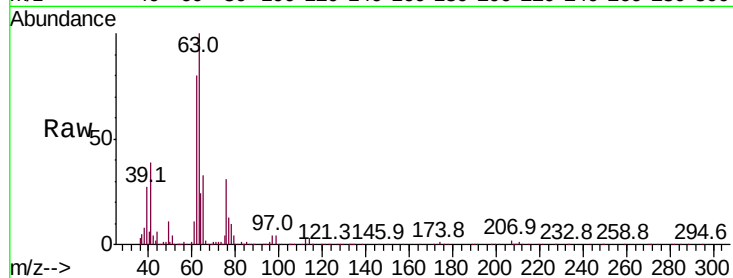
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 63 Resp: 198027

Ion Ratio Lower Upper

63 100

65 33.4 26.3 39.5



#46

Dibromomethane

Concen: 23.620 ug/l

RT: 6.28 min Scan# 583

Delta R.T. 0.01 min

Lab File: VF062776.D

Acq: 29 May 2019 12:13

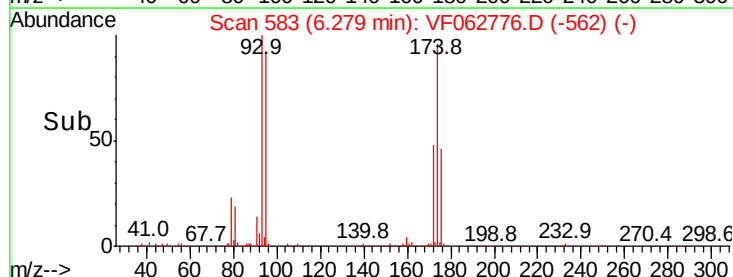
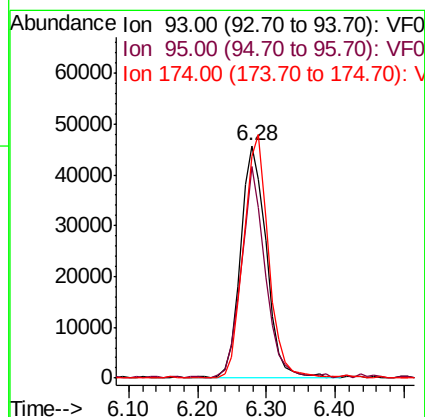
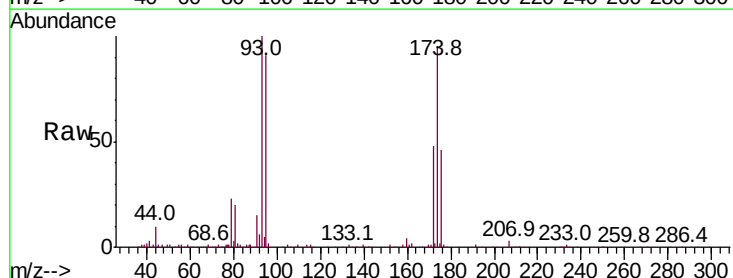
Tgt Ion: 93 Resp: 118926

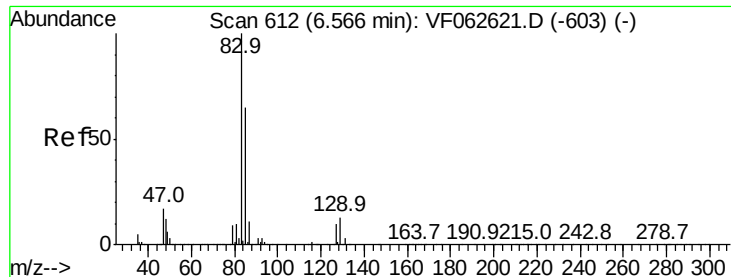
Ion Ratio Lower Upper

93 100

95 91.4 67.4 101.2

174 97.5 79.4 119.2





#47

Bromodichloromethane

Concen: 22.024 ug/l

RT: 6.57 min Scan# 613

Delta R.T. 0.01 min

Lab File: VF062776.D

Acq: 29 May 2019 12:13

Instrument :
MSVOA_F
ClientSampled :

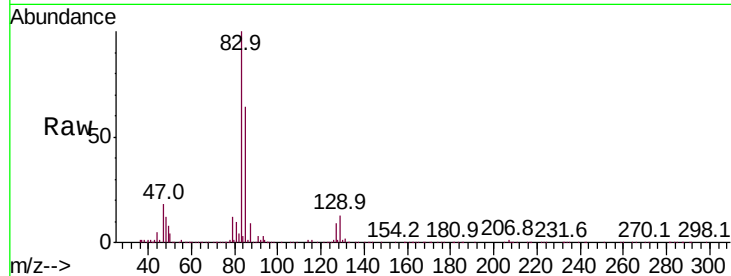
Tot Ion: 83 Resp: 230204

Ion Ratio Lower Upper

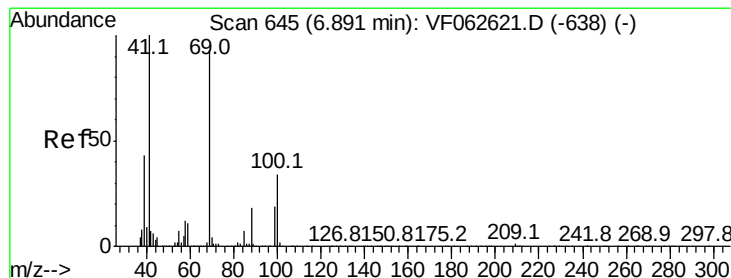
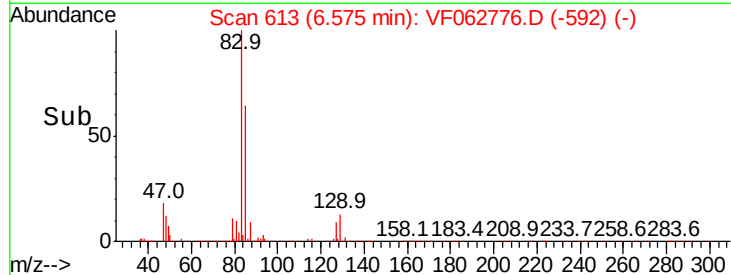
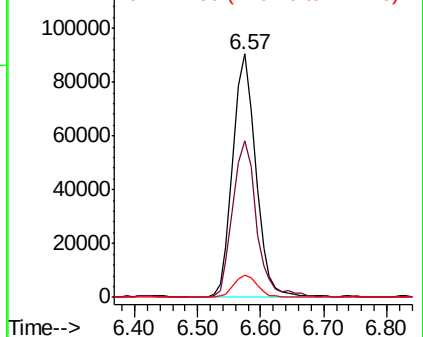
83 100

85 64.1 52.0 78.0

127 10.1 7.7 11.5



Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 85.00 (84.70 to 85.70): VF0
Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 19.851 ug/l

RT: 6.90 min Scan# 646

Delta R.T. 0.01 min

Lab File: VF062776.D

Acq: 29 May 2019 12:13

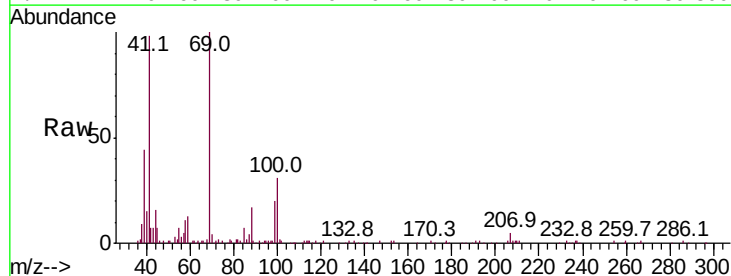
Tgt Ion: 41 Resp: 69529

Ion Ratio Lower Upper

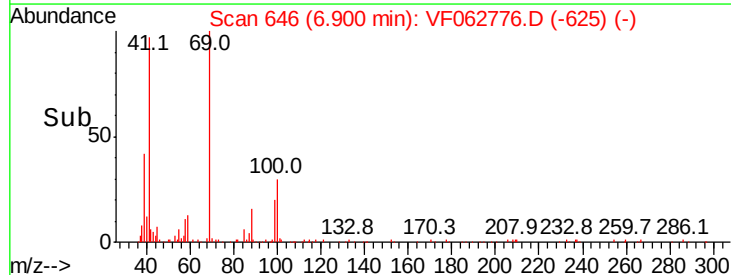
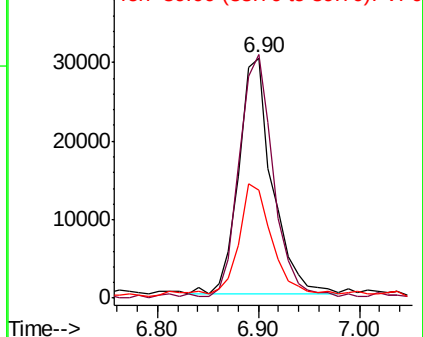
41 100

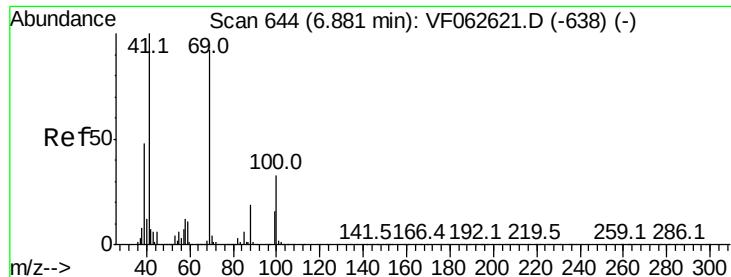
69 101.5 74.2 111.2

39 44.8 34.2 51.4



Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 39.00 (38.70 to 39.70): VF0

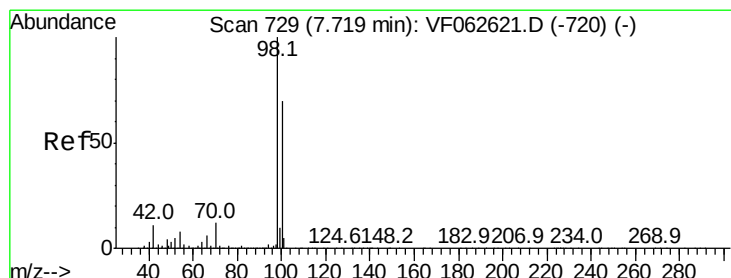
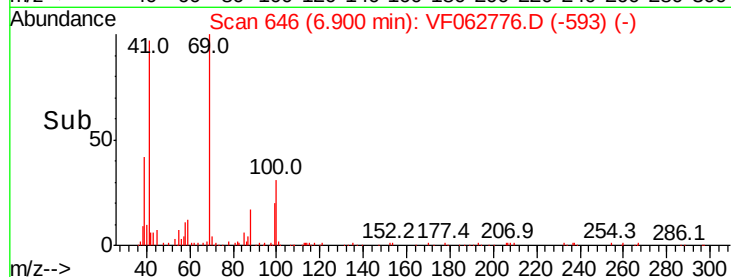
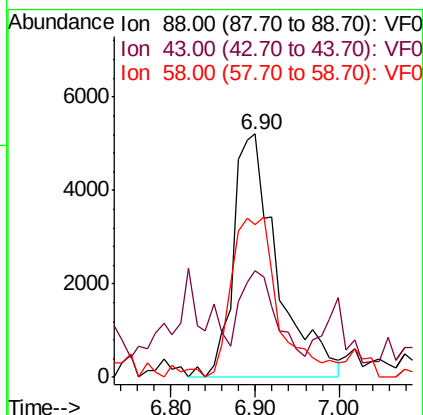
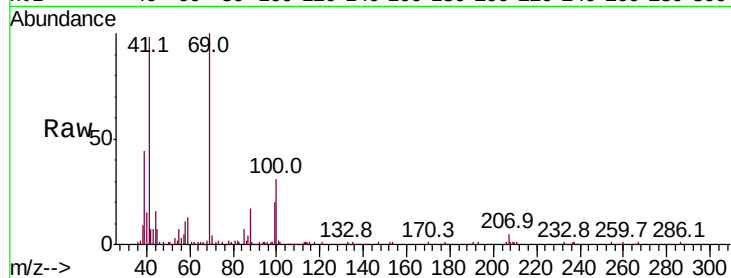




#49
1,4-Dioxane
Concen: 424.851 ug/l
RT: 6.90 min Scan# 646
Delta R.T. 0.02 min
Lab File: VF062776.D
Acq: 29 May 2019 12:13

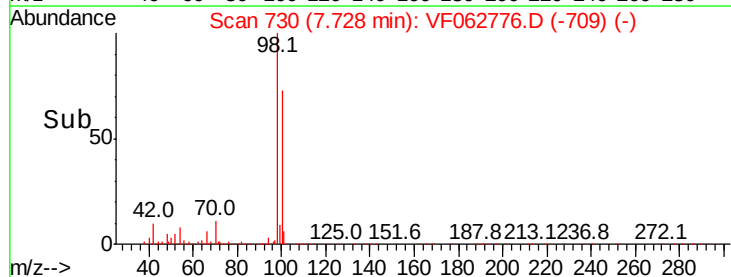
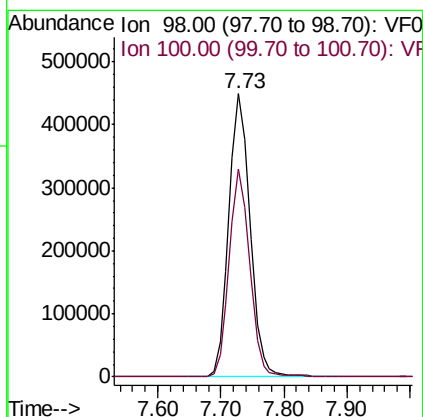
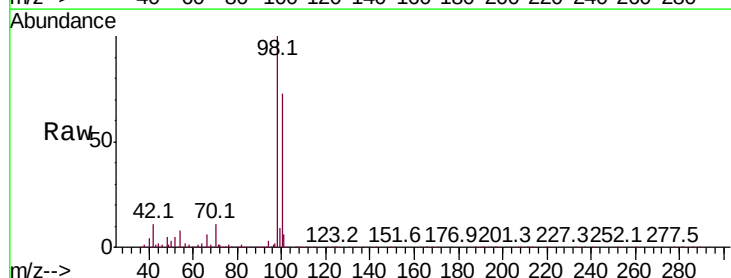
Instrument :
MSVOA_F
ClientSampleId :

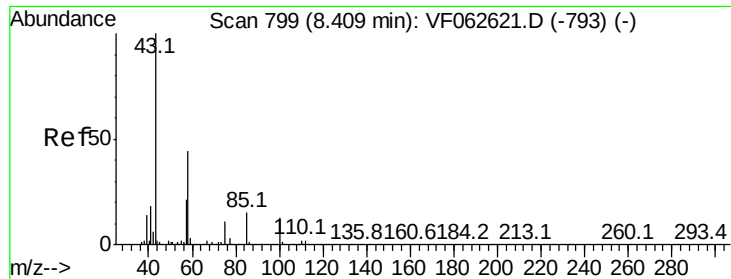
Tot Ion: 88 Resp: 19059
Ion Ratio Lower Upper
88 100
43 43.9 30.0 45.0
58 62.9 51.1 76.7



#50
Toluene-d8
Concen: 46.644 ug/l
RT: 7.73 min Scan# 730
Delta R.T. 0.01 min
Lab File: VF062776.D
Acq: 29 May 2019 12:13

Tgt Ion: 98 Resp: 1053555
Ion Ratio Lower Upper
98 100
100 73.2 56.2 84.2





#51

4-Methyl-2-Pentanone

Concen: 114.337 ug/l

RT: 8.42 min Scan# 800

Delta R.T. 0.01 min

Lab File: VF062776.D

Acq: 29 May 2019 12:13

Instrument :

MSVOA_F

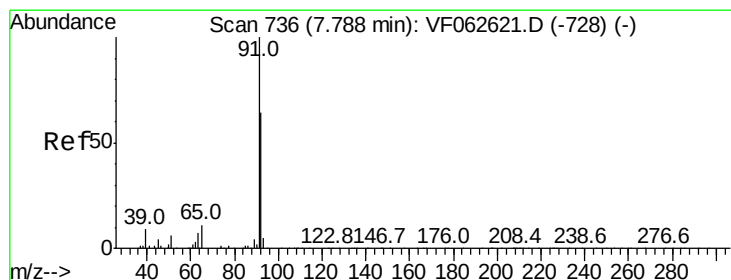
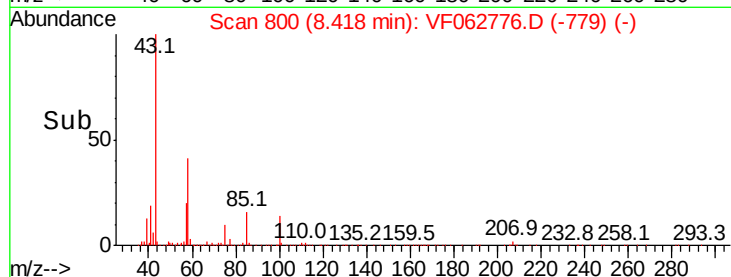
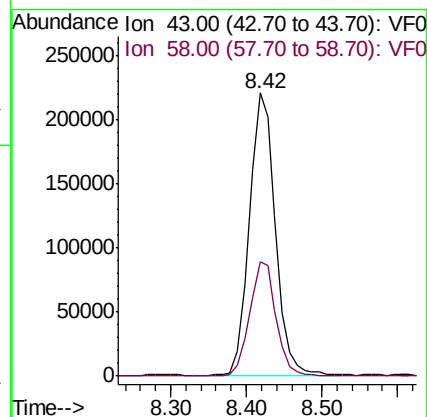
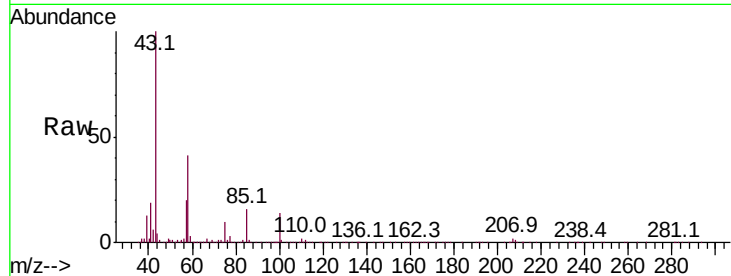
ClientSampled :

Tot Ion: 43 Resp: 523715

Ion Ratio Lower Upper

43 100

58 40.5 34.9 52.3



#52

Toluene

Concen: 23.063 ug/l

RT: 7.80 min Scan# 737

Delta R.T. 0.01 min

Lab File: VF062776.D

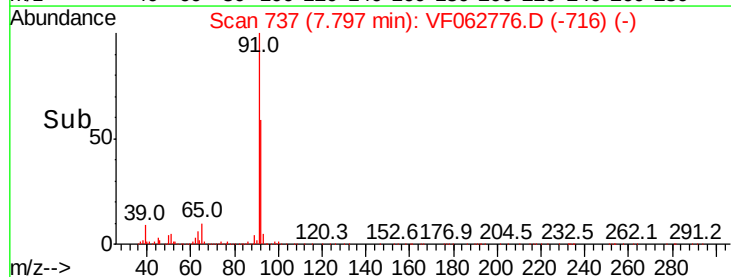
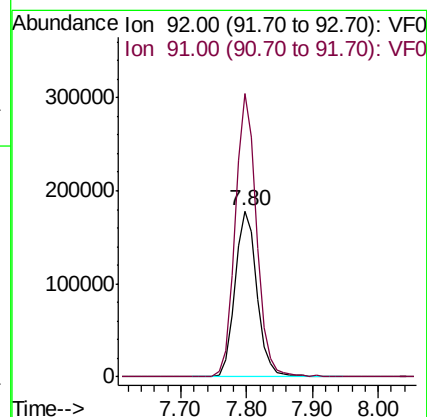
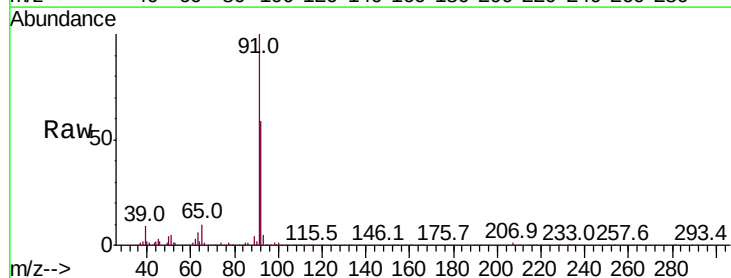
Acq: 29 May 2019 12:13

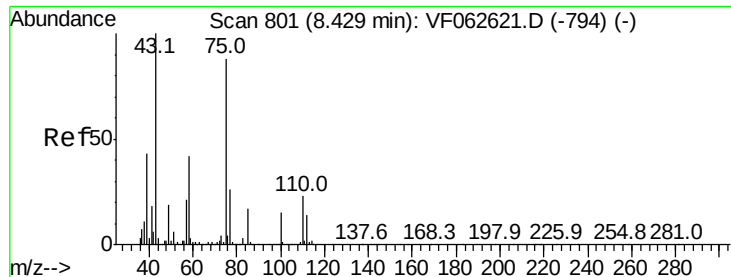
Tgt Ion: 92 Resp: 417423

Ion Ratio Lower Upper

92 100

91 170.4 125.4 188.0





#53

t-1,3-Dichloropropene

Concen: 22.708 ug/l

RT: 8.44 min Scan# 802

Delta R.T. 0.01 min

Lab File: VF062776.D

Acq: 29 May 2019 12:13

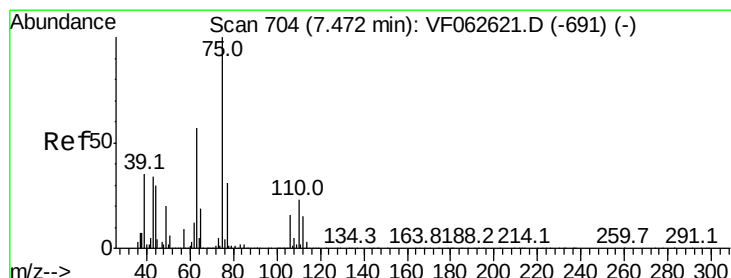
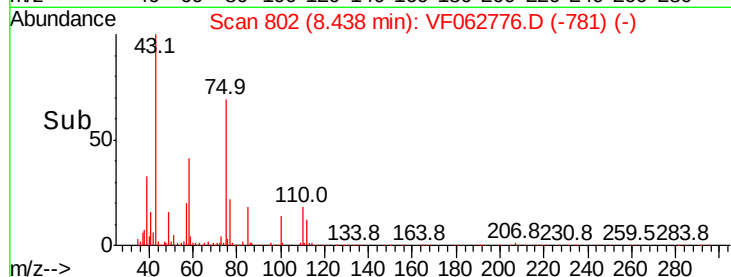
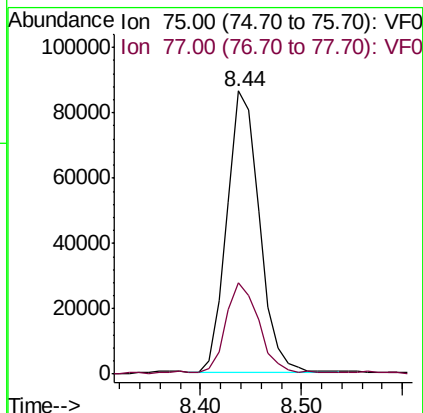
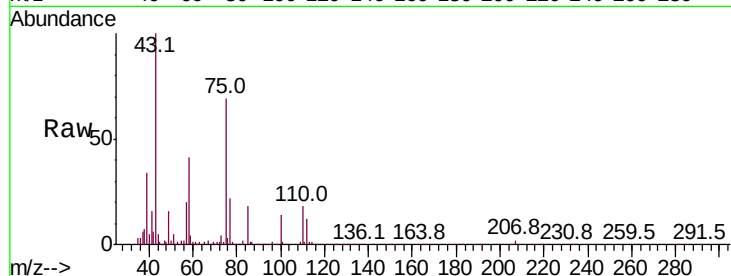
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 75 Resp: 194181

Ion Ratio Lower Upper

75 100

77 32.4 24.2 36.4



#54

cis-1,3-Dichloropropene

Concen: 23.086 ug/l

RT: 7.48 min Scan# 705

Delta R.T. 0.01 min

Lab File: VF062776.D

Acq: 29 May 2019 12:13

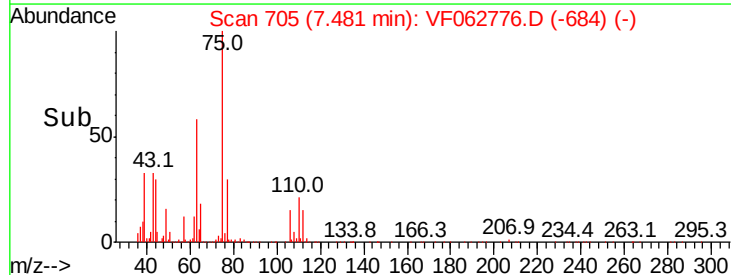
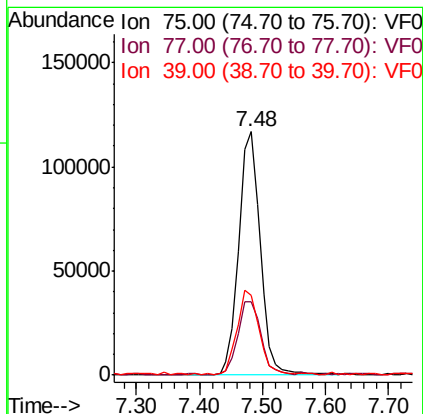
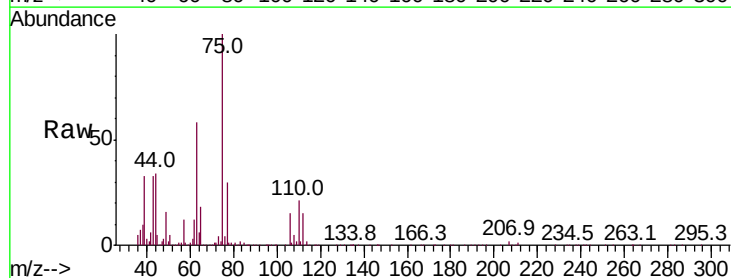
Tgt Ion: 75 Resp: 276355

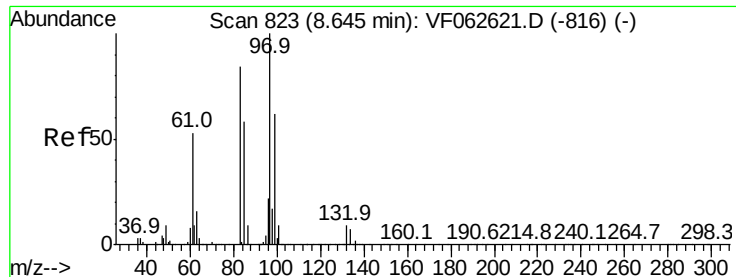
Ion Ratio Lower Upper

75 100

77 29.9 25.3 37.9

39 33.0 28.2 42.2





#55

1,1,2-Trichloroethane

Concen: 23.369 ug/l

RT: 8.65 min Scan# 824

Delta R.T. 0.01 min

Lab File: VF062776.D

Acq: 29 May 2019 12:13

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 97 Resp: 125236

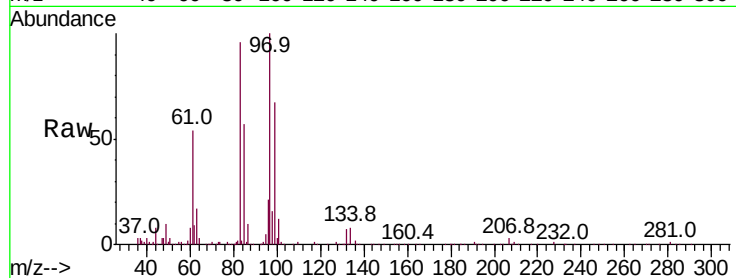
Ion Ratio Lower Upper

97 100

83 96.0 67.3 100.9

85 57.4 46.6 69.8

99 67.5 49.7 74.5

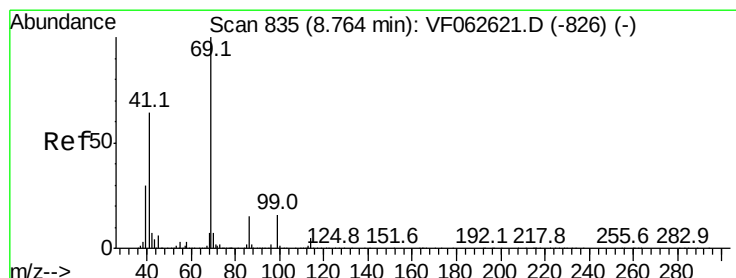
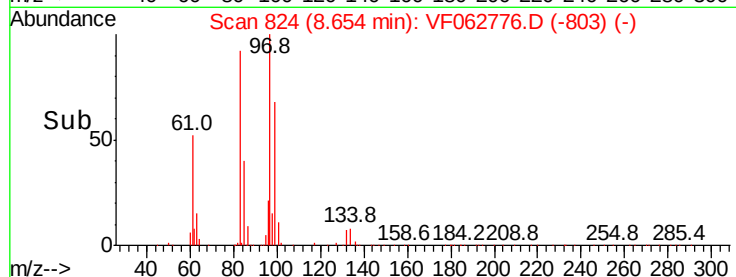
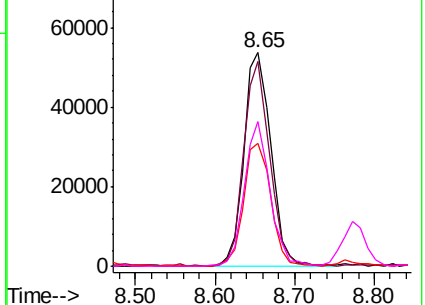


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 21.965 ug/l

RT: 8.77 min Scan# 836

Delta R.T. 0.01 min

Lab File: VF062776.D

Acq: 29 May 2019 12:13

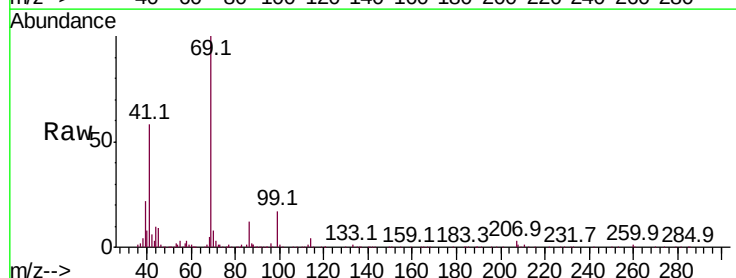
Tgt Ion: 69 Resp: 140238

Ion Ratio Lower Upper

69 100

41 58.1 51.4 77.2

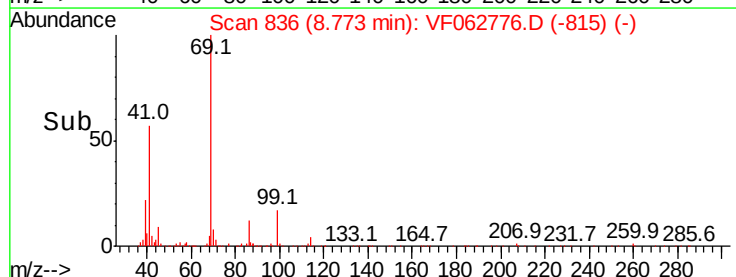
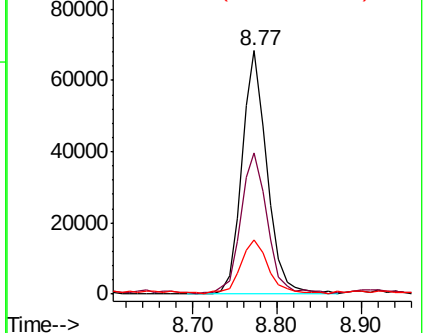
39 22.1 23.6 35.4#

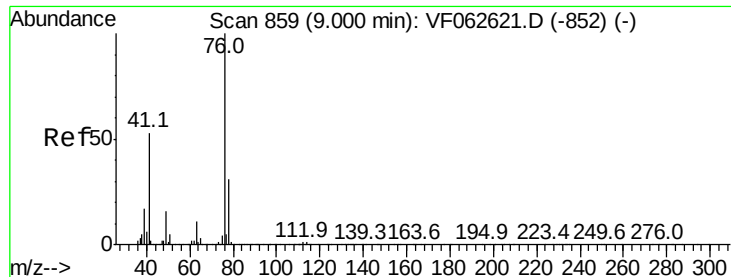


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 22.847 ug/l

RT: 9.02 min Scan# 861

Delta R.T. 0.02 min

Lab File: VF062776.D

Acq: 29 May 2019 12:13

Instrument :

MSVOA_F

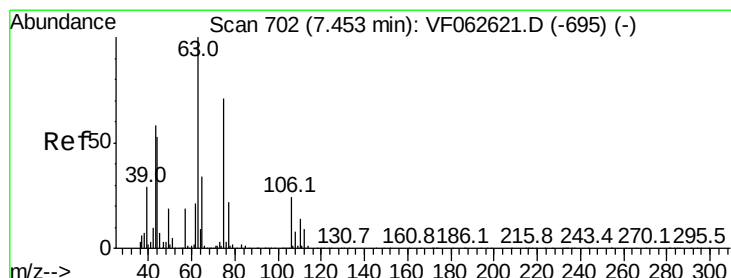
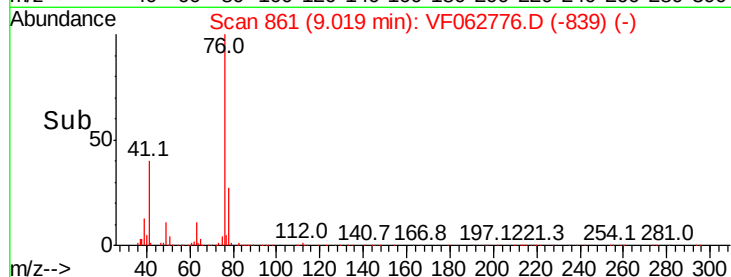
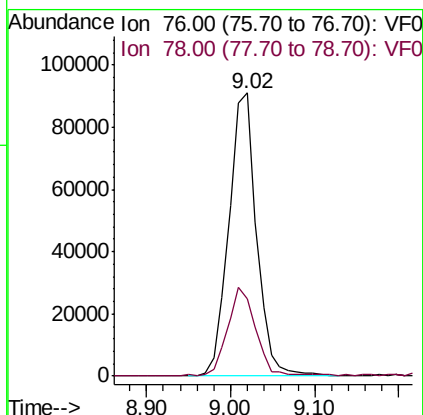
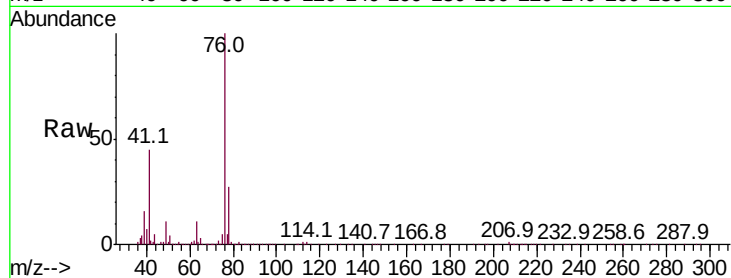
ClientSampleId :

Tot Ion: 76 Resp: 208545

Ion Ratio Lower Upper

76 100

78 27.3 25.4 38.0



#58

2-Chloroethyl Vinyl ether

Concen: 110.948 ug/l

RT: 7.47 min Scan# 704

Delta R.T. 0.02 min

Lab File: VF062776.D

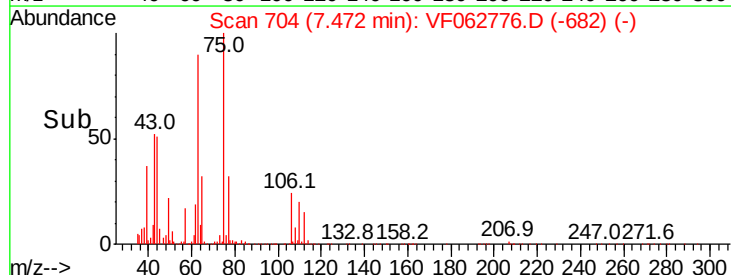
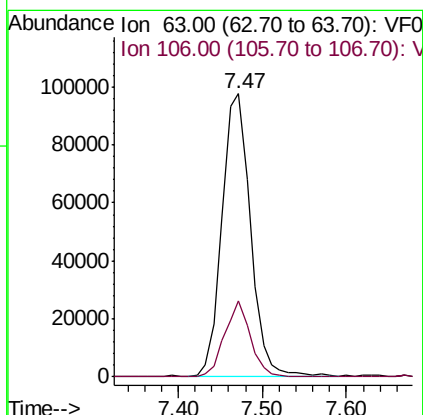
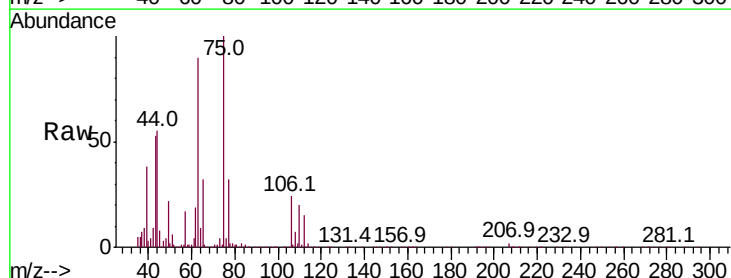
Acq: 29 May 2019 12:13

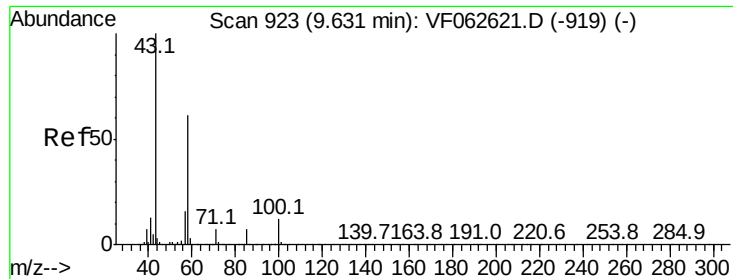
Tgt Ion: 63 Resp: 230570

Ion Ratio Lower Upper

63 100

106 27.0 19.1 28.7

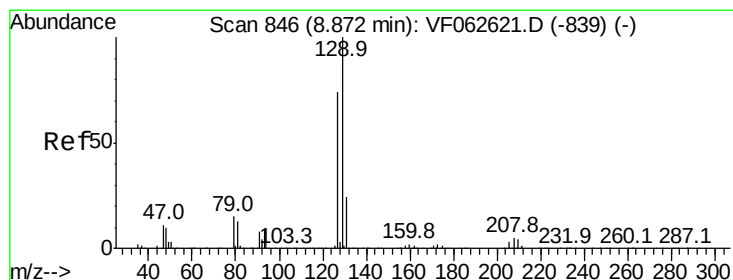
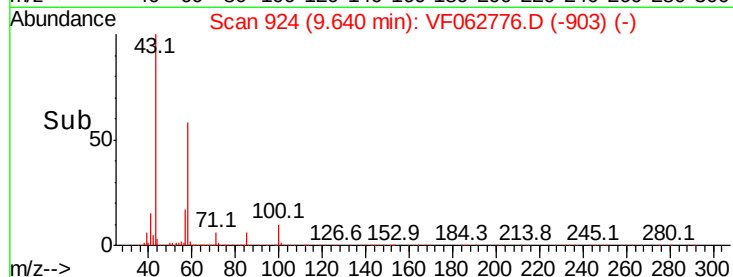
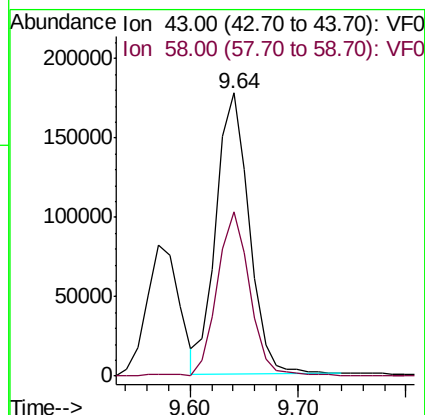
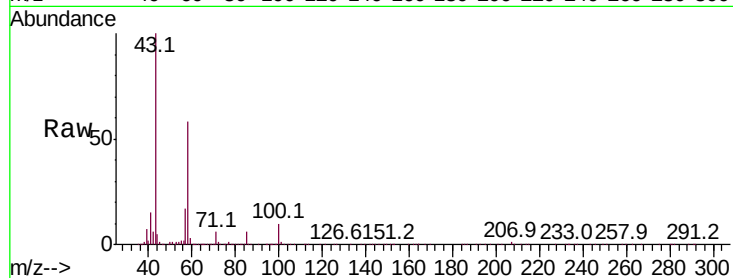




#59
2-Hexanone
Concen: 116.686 ug/l
RT: 9.64 min Scan# 924
Delta R.T. 0.01 min
Lab File: VF062776.D
Acq: 29 May 2019 12:13

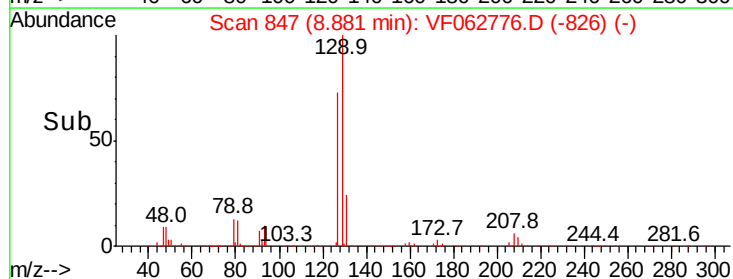
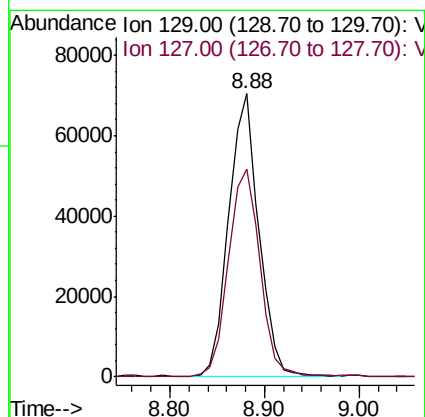
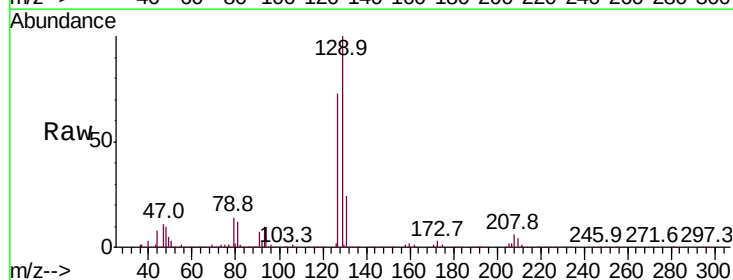
Instrument :
MSVOA_F
ClientSampled :

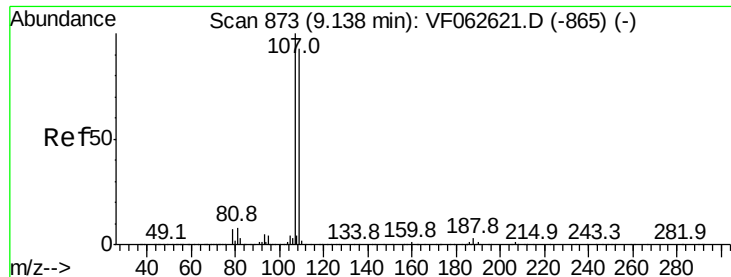
Tot Ion: 43 Resp: 376065
Ion Ratio Lower Upper
43 100
58 58.2 28.1 84.4



#60
Dibromochloromethane
Concen: 22.300 ug/l
RT: 8.88 min Scan# 847
Delta R.T. 0.01 min
Lab File: VF062776.D
Acq: 29 May 2019 12:13

Tgt Ion: 129 Resp: 155757
Ion Ratio Lower Upper
129 100
127 73.2 37.2 111.6





#61

1,2-Dibromoethane

Concen: 23.748 ug/l

RT: 9.15 min Scan# 874

Delta R.T. 0.01 min

Lab File: VF062776.D

Acq: 29 May 2019 12:13

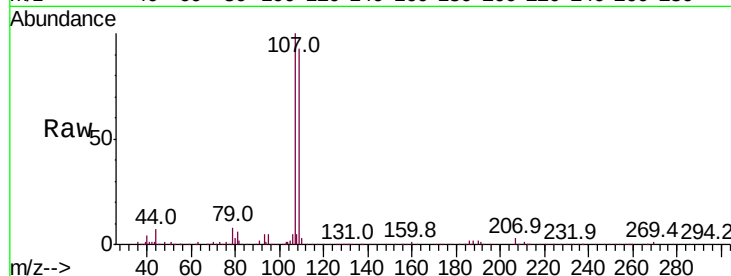
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:107 Resp: 135176

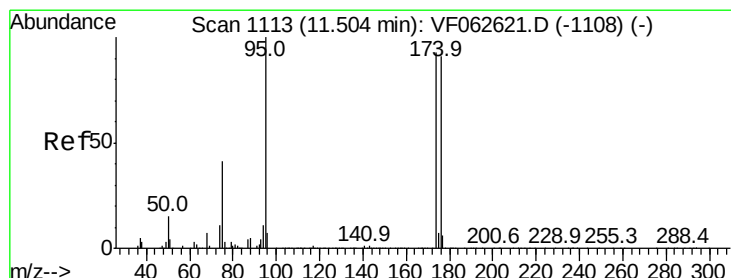
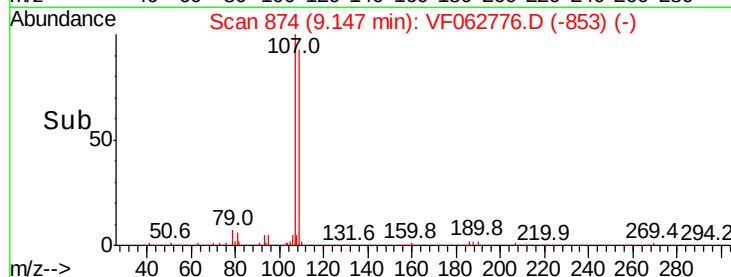
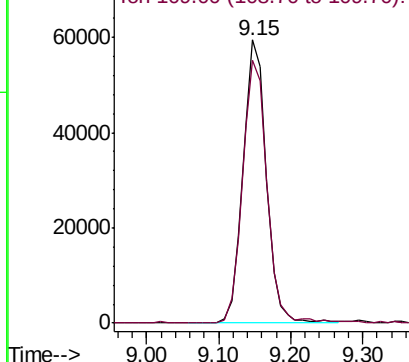
Ion Ratio Lower Upper

107 100

109 92.9 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: 50.347 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. -0.00 min

Lab File: VF062776.D

Acq: 29 May 2019 12:13

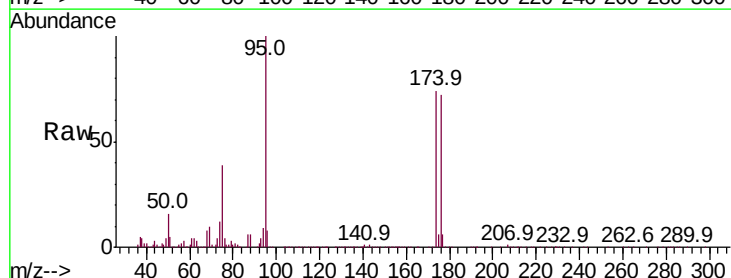
Tgt Ion: 95 Resp: 431308

Ion Ratio Lower Upper

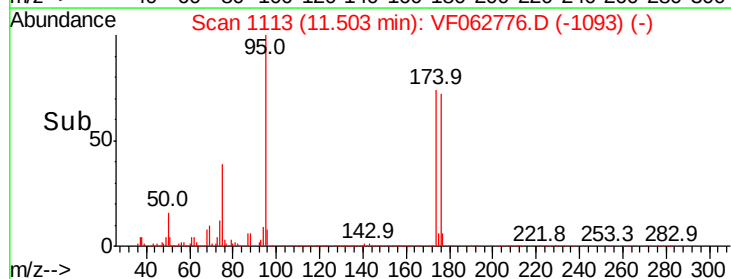
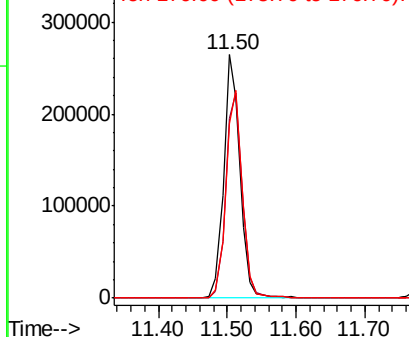
95 100

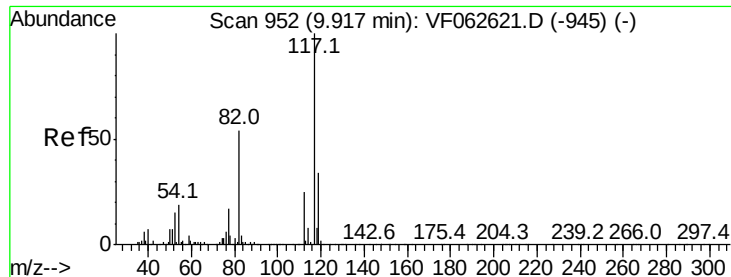
174 74.0 0.0 185.6

176 71.6 0.0 182.4



Abundance Ion 95.00 (94.70 to 95.70): VF0
Ion 174.00 (173.70 to 174.70): V
Ion 176.00 (175.70 to 176.70): V

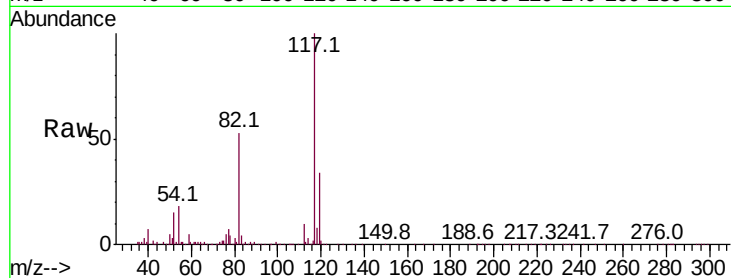




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.93 min Scan# 953
Delta R.T. 0.01 min
Lab File: VF062776.D
Acq: 29 May 2019 12:13

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.6	43.3	64.9
119	34.0	27.4	41.0

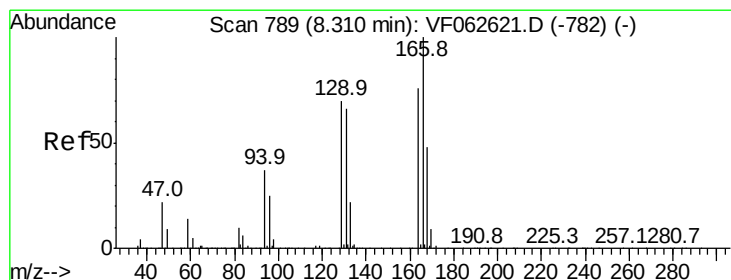
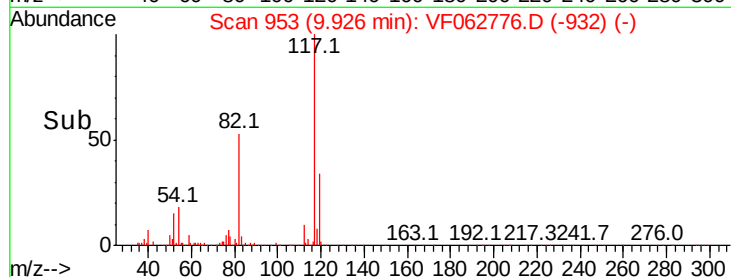
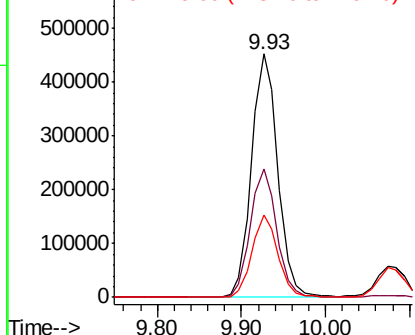


Abundance

Ion 117.00 (116.70 to 117.70): V

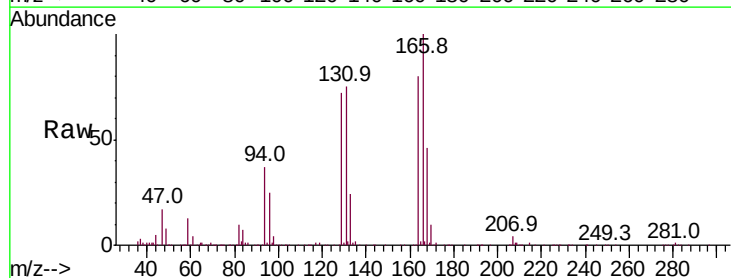
Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V



#64
Tetrachloroethene
Concen: 20.815 ug/l
RT: 8.32 min Scan# 790
Delta R.T. 0.01 min
Lab File: VF062776.D
Acq: 29 May 2019 12:13

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.2	105.5	158.3
129	90.3	73.8	110.6
131	94.2	69.5	104.3



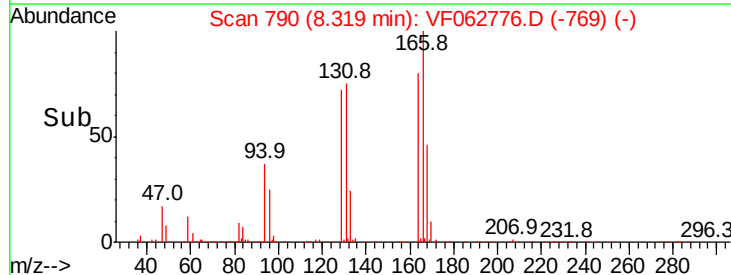
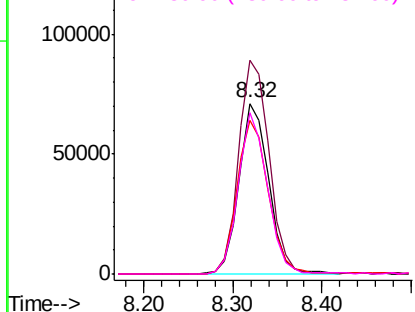
Abundance

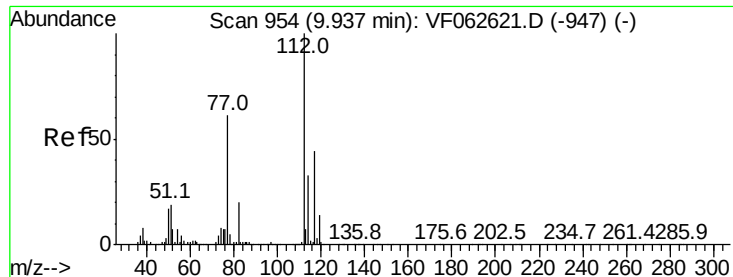
Ion 163.85 (163.55 to 164.55): V

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

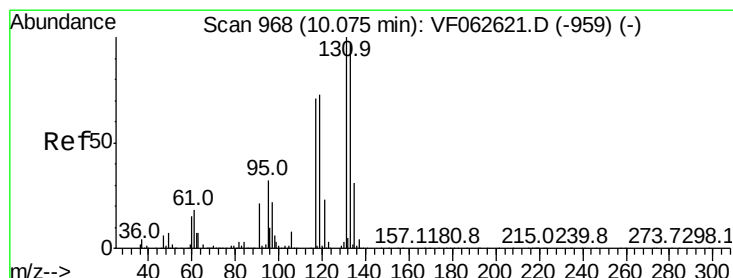
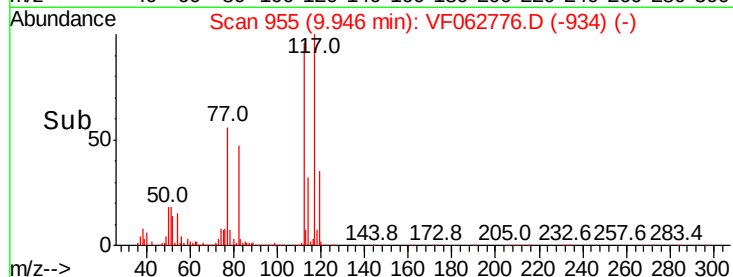
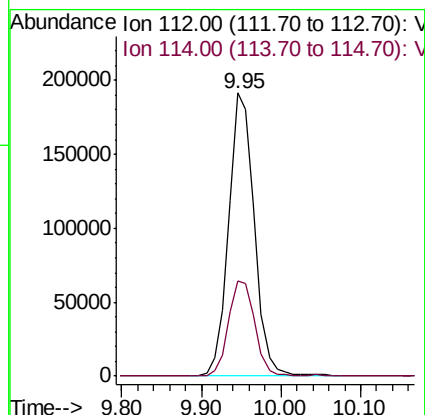
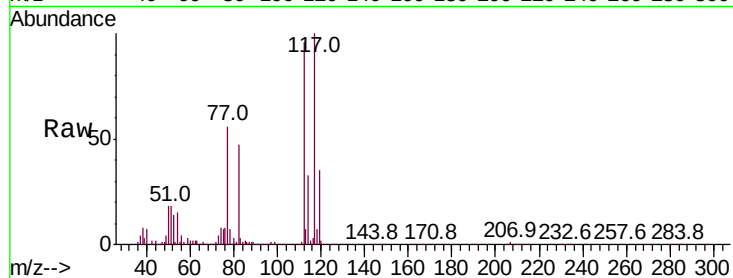




#65
Chlorobenzene
Concen: 22.287 ug/l
RT: 9.95 min Scan# 955
Delta R.T. 0.01 min
Lab File: VF062776.D
Acq: 29 May 2019 12:13

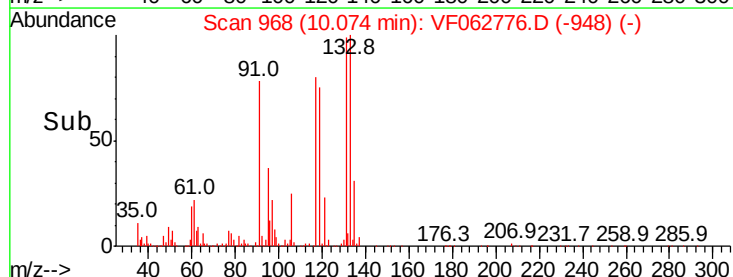
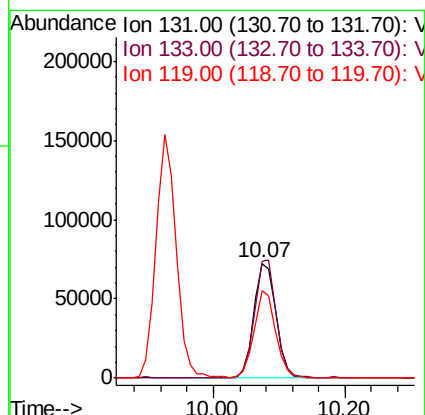
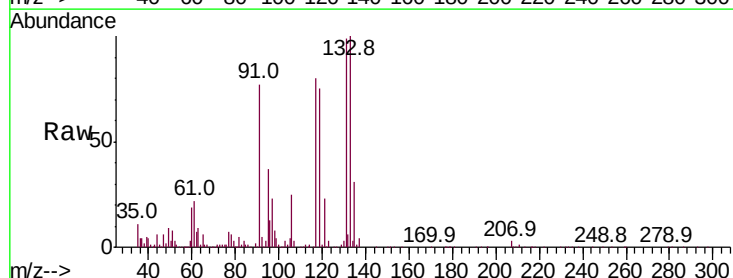
Instrument :
MSVOA_F
ClientSampleId :

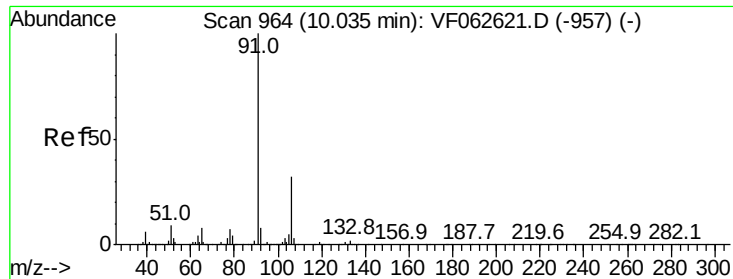
Tot Ion:112 Resp: 435997
Ion Ratio Lower Upper
112 100
114 33.8 26.8 40.2



#66
1,1,1,2-Tetrachloroethane
Concen: 21.871 ug/l
RT: 10.07 min Scan# 968
Delta R.T. -0.00 min
Lab File: VF062776.D
Acq: 29 May 2019 12:13

Tgt Ion:131 Resp: 171757
Ion Ratio Lower Upper
131 100
133 101.4 48.5 145.5
119 75.9 36.8 110.4

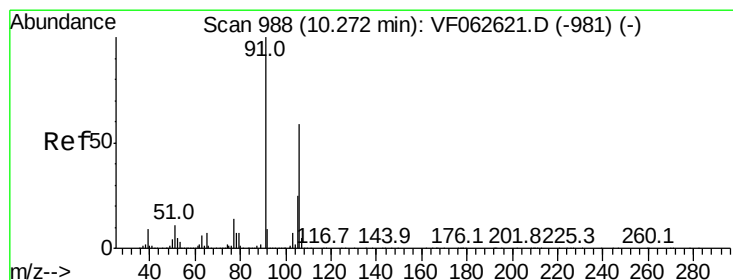
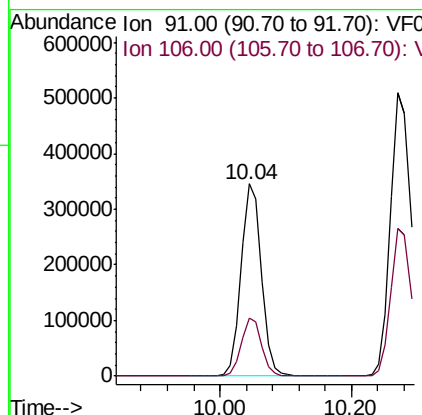
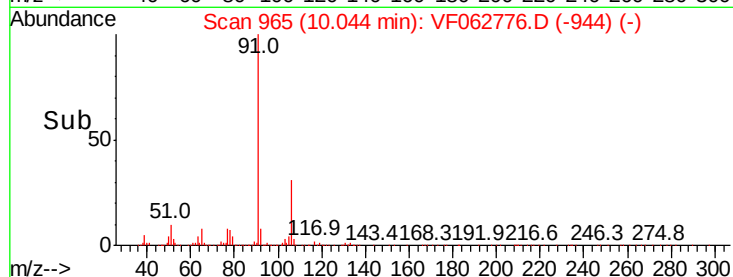
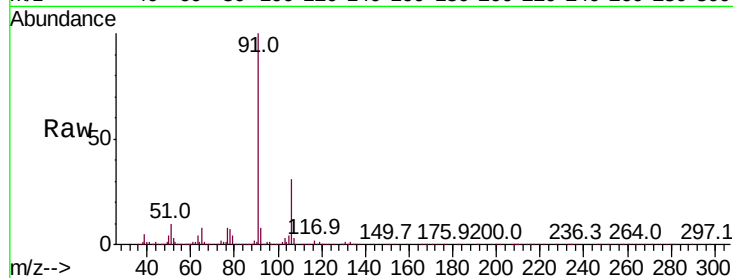




#67
Ethyl Benzene
Concen: 22.129 ug/l
RT: 10.04 min Scan# 965
Delta R.T. 0.01 min
Lab File: VF062776.D
Acq: 29 May 2019 12:13

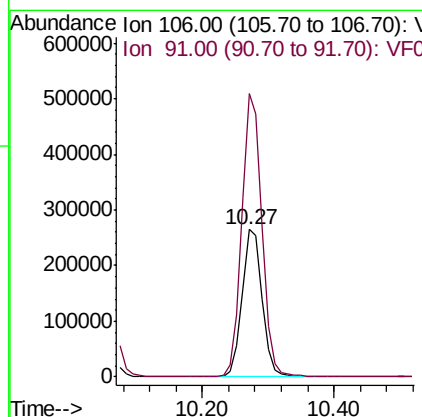
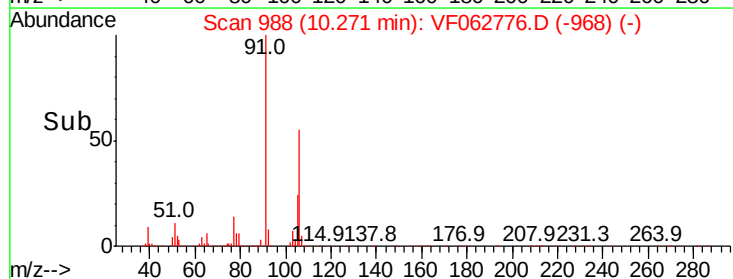
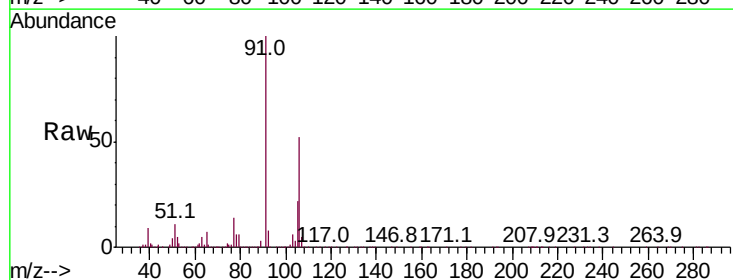
Instrument :
MSVOA_F
ClientSampled :

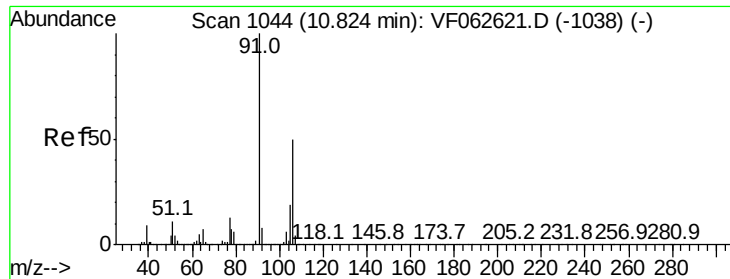
Tot Ion: 91 Resp: 752037
Ion Ratio Lower Upper
91 100
106 30.6 25.8 38.8



#68
m/p-Xylenes
Concen: 44.490 ug/l
RT: 10.27 min Scan# 988
Delta R.T. -0.00 min
Lab File: VF062776.D
Acq: 29 May 2019 12:13

Tgt Ion: 106 Resp: 568262
Ion Ratio Lower Upper
106 100
91 191.9 136.9 205.3

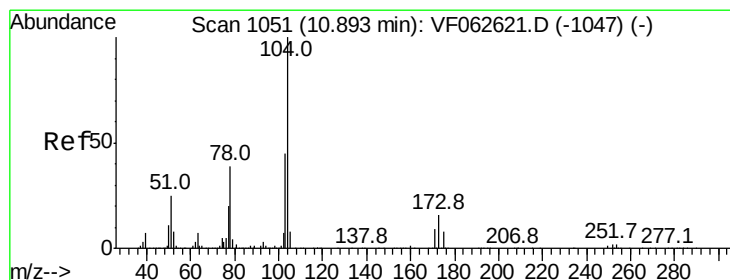
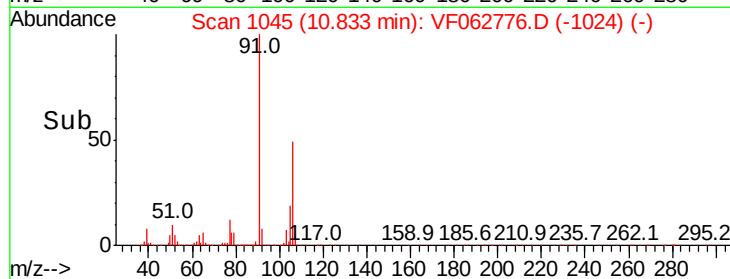
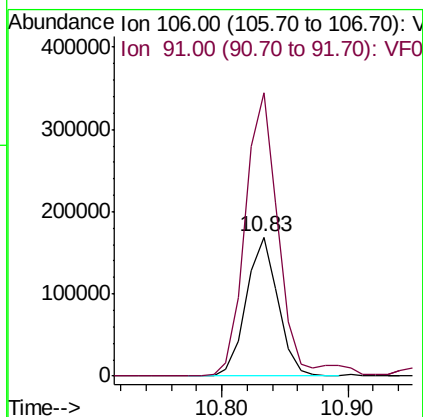
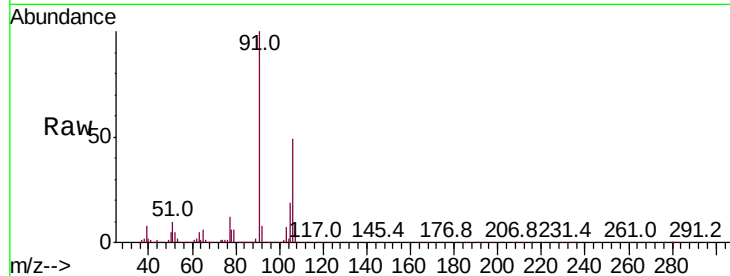




#69
o-Xylene
Concen: 22.455 ug/l
RT: 10.83 min Scan# 1045
Delta R.T. 0.01 min
Lab File: VF062776.D
Acq: 29 May 2019 12:13

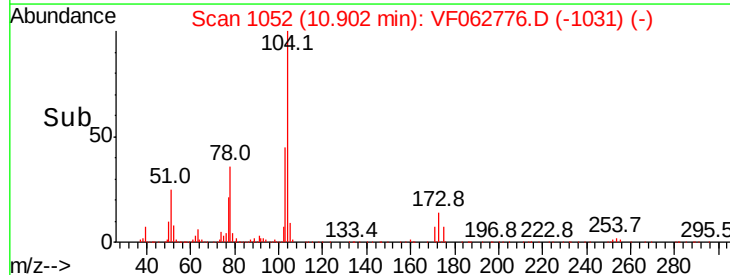
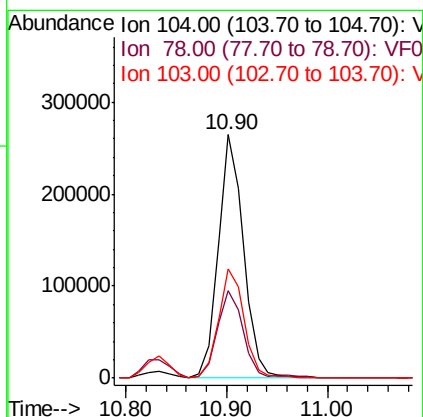
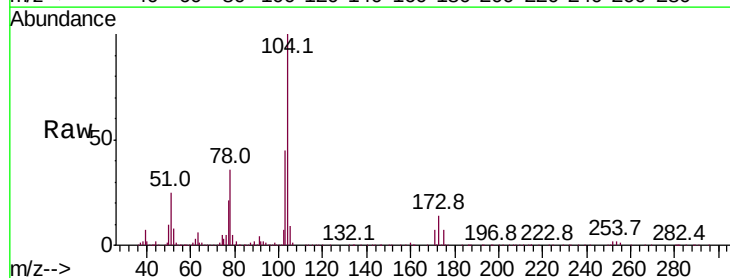
Instrument :
MSVOA_F
ClientSampleId :

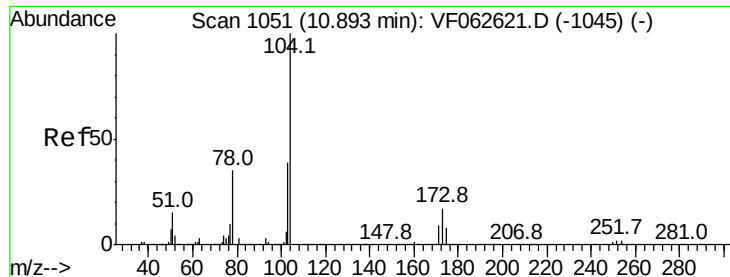
Tot Ion:106 Resp: 295425
Ion Ratio Lower Upper
106 100
91 203.7 100.2 300.5



#70
Styrene
Concen: 23.026 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. 0.01 min
Lab File: VF062776.D
Acq: 29 May 2019 12:13

Tgt Ion:104 Resp: 460437
Ion Ratio Lower Upper
104 100
78 35.9 31.9 47.9
103 44.8 36.1 54.1





#71

Bromoform

Concen: 23.617 ug/l

RT: 10.89 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VF062776.D

Acq: 29 May 2019 12:13

Instrument :

MSVOA_F

ClientSampleId :

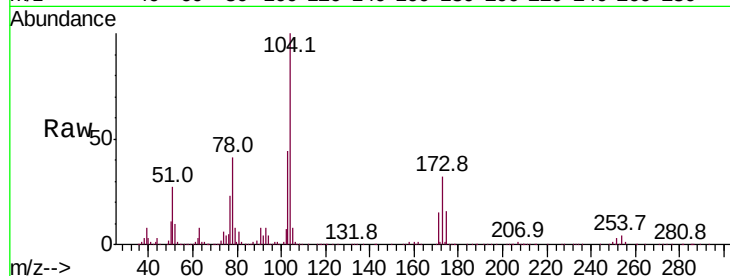
Tot Ion:173 Resp: 92890

Ion Ratio Lower Upper

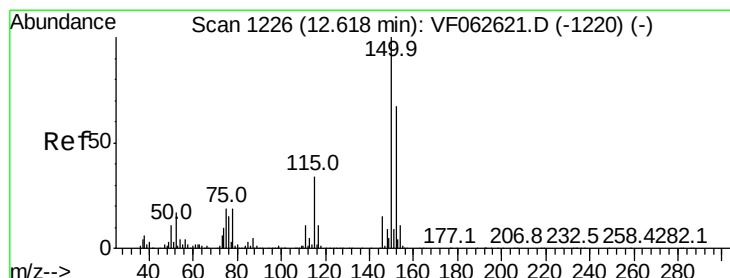
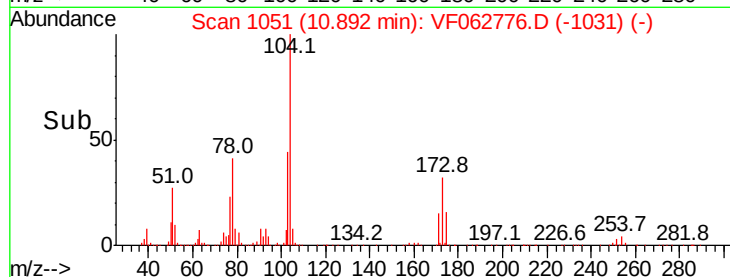
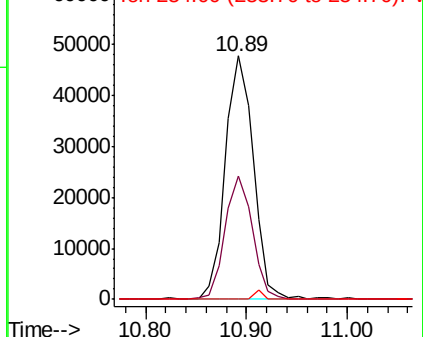
173 100

175 50.6 25.3 75.9

254 0.0 0.2 0.2#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.62 min Scan# 1226

Delta R.T. -0.00 min

Lab File: VF062776.D

Acq: 29 May 2019 12:13

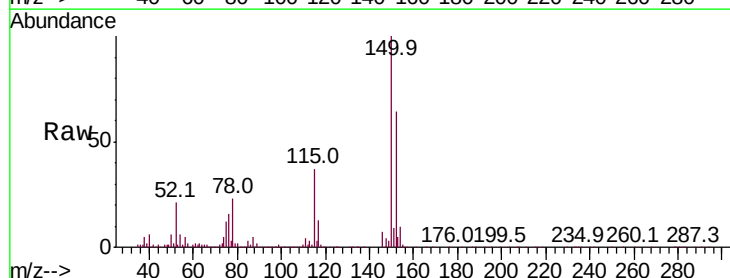
Tgt Ion:152 Resp: 450562

Ion Ratio Lower Upper

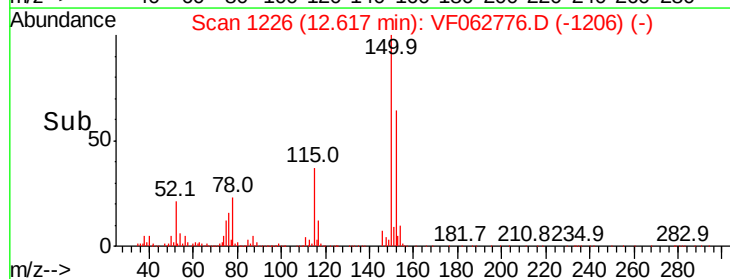
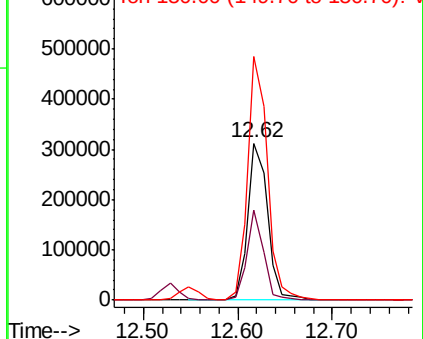
152 100

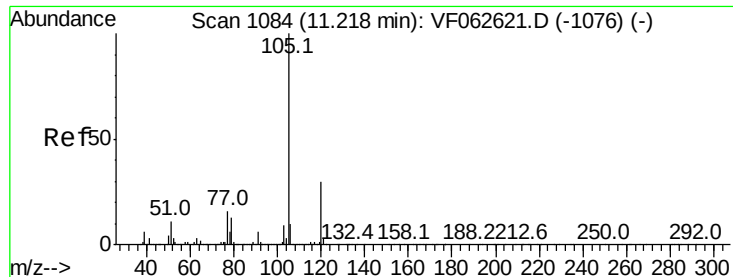
115 57.2 25.2 75.6

150 155.4 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: 25.901 ug/l

RT: 11.23 min Scan# 1085

Delta R.T. 0.01 min

Lab File: VF062776.D

Acq: 29 May 2019 12:13

Instrument :

MSVOA_F

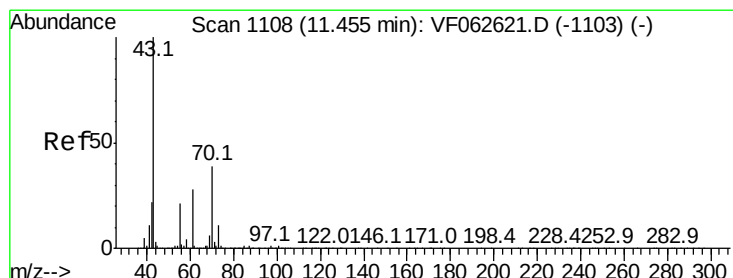
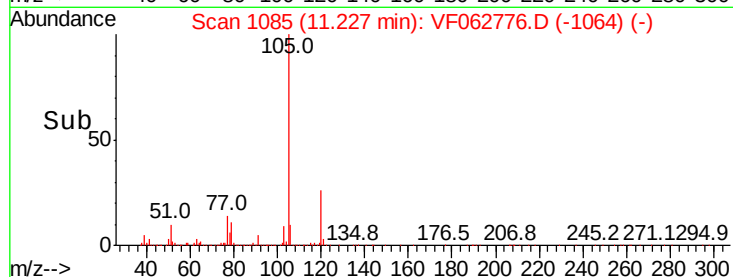
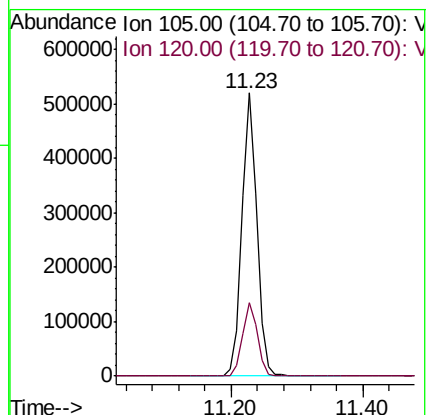
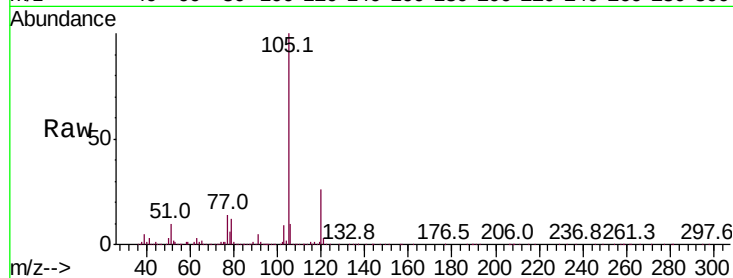
ClientSampled :

Tot Ion:105 Resp: 836405

Ion Ratio Lower Upper

105 100

120 25.8 14.8 44.4



#74

N-ethyl acetate

Concen: 26.444 ug/l

RT: 11.46 min Scan# 1109

Delta R.T. 0.01 min

Lab File: VF062776.D

Acq: 29 May 2019 12:13

Tgt Ion: 43 Resp: 238163

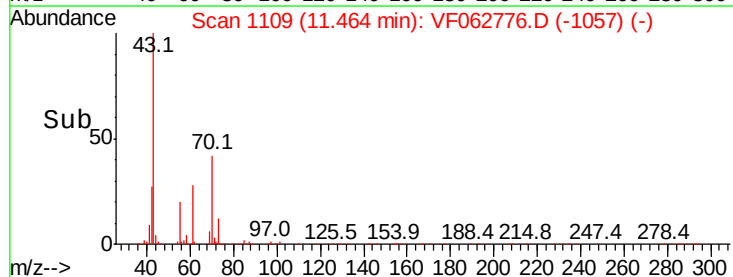
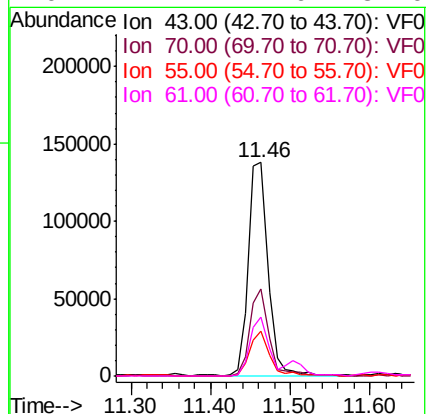
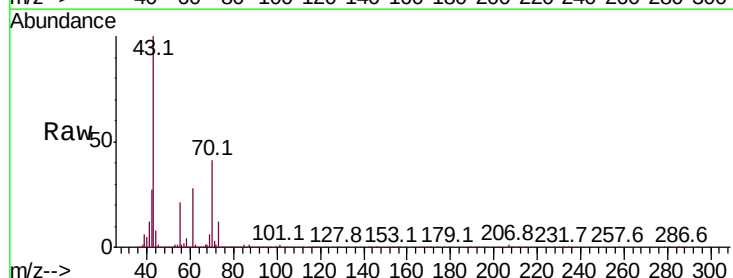
Ion Ratio Lower Upper

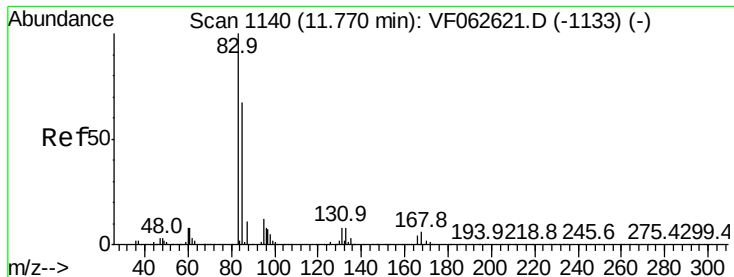
43 100

70 40.9 30.9 46.3

55 21.1 17.0 25.4

61 27.7 22.6 34.0





#75

1,1,2,2-Tetrachloroethane

Concen: 26.269 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. 0.01 min

Lab File: VF062776.D

Acq: 29 May 2019 12:13

Instrument :

MSVOA_F

ClientSampled :

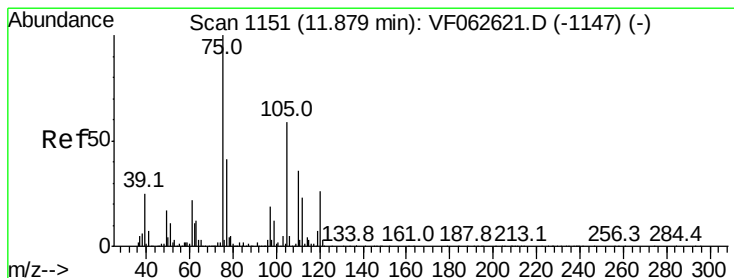
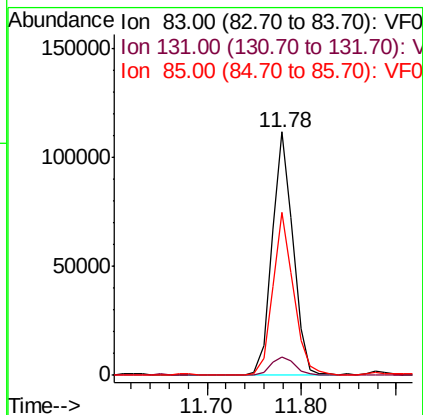
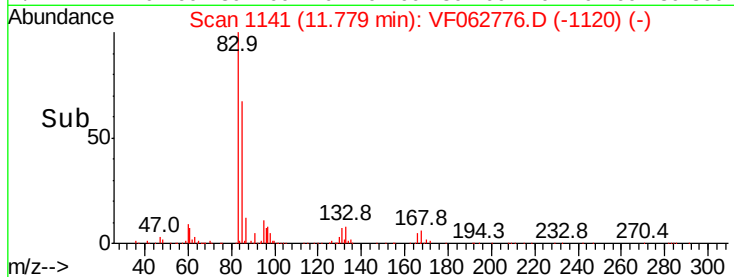
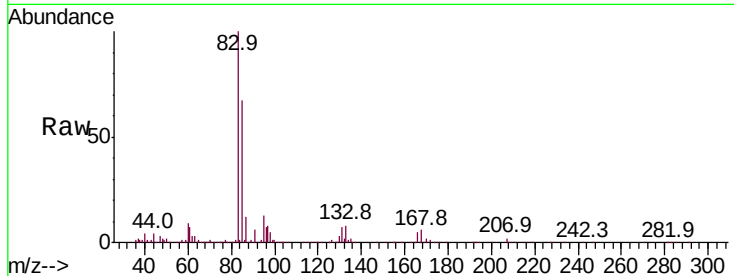
Tot Ion: 83 Resp: 173360

Ion Ratio Lower Upper

83 100

131 7.3 4.0 12.0

85 66.9 33.5 100.5



#76

1,2,3-Trichloropropane

Concen: 26.178 ug/l

RT: 11.88 min Scan# 1151

Delta R.T. -0.00 min

Lab File: VF062776.D

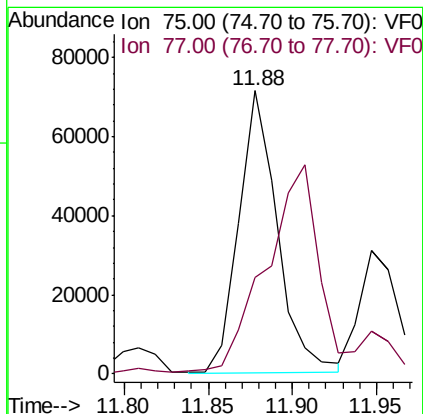
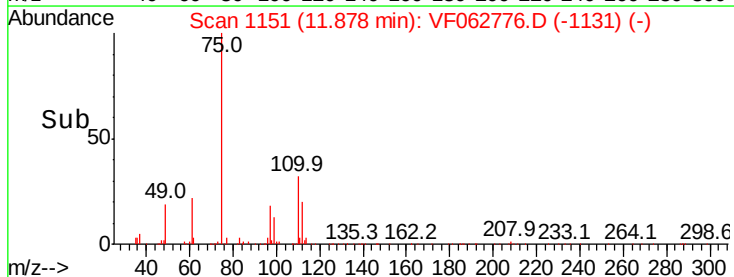
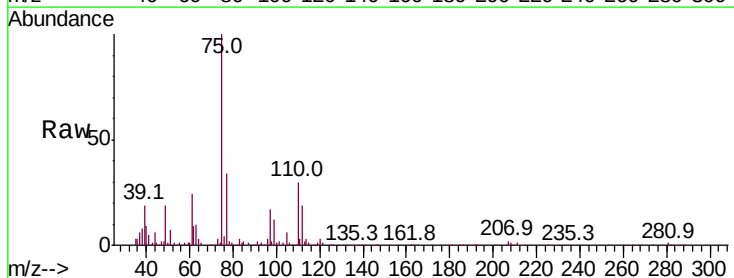
Acq: 29 May 2019 12:13

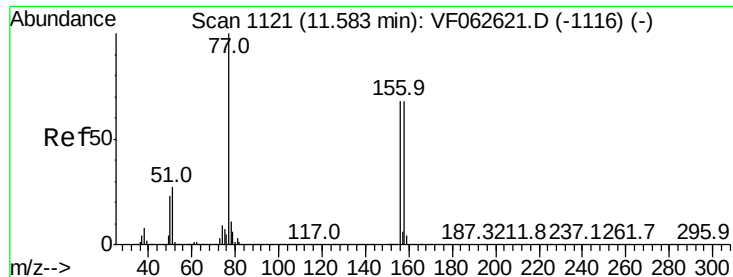
Tgt Ion: 75 Resp: 113513

Ion Ratio Lower Upper

75 100

77 34.0 20.6 61.8





#77

Bromobenzene

Concen: 24.347 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. 0.01 min

Lab File: VF062776.D

Acq: 29 May 2019 12:13

Instrument :

MSVOA_F

ClientSampleId :

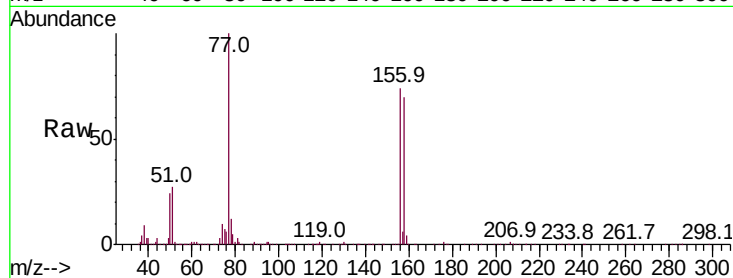
Tot Ion:156 Resp: 195430

Ion Ratio Lower Upper

156 100

77 135.9 73.6 220.8

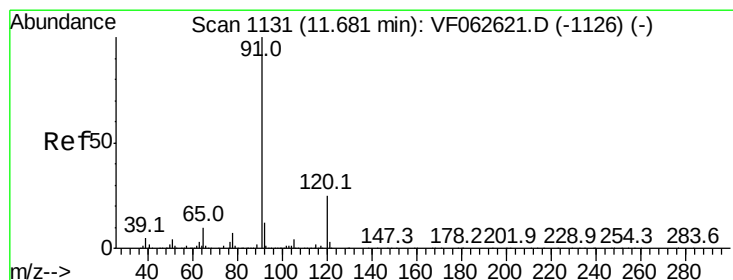
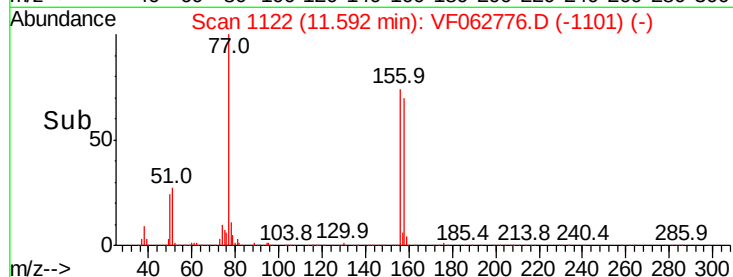
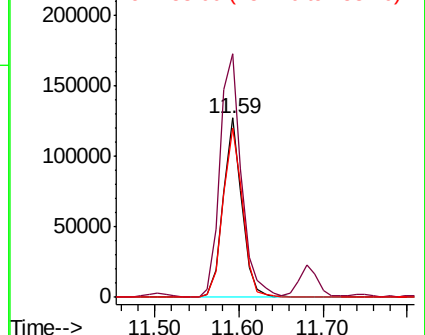
158 94.7 49.6 148.8



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 24.386 ug/l

RT: 11.68 min Scan# 1131

Delta R.T. -0.00 min

Lab File: VF062776.D

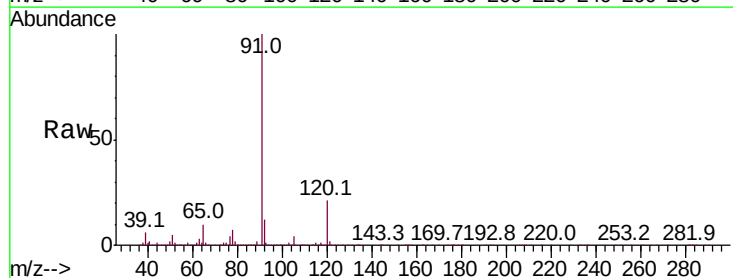
Acq: 29 May 2019 12:13

Tgt Ion: 91 Resp: 931961

Ion Ratio Lower Upper

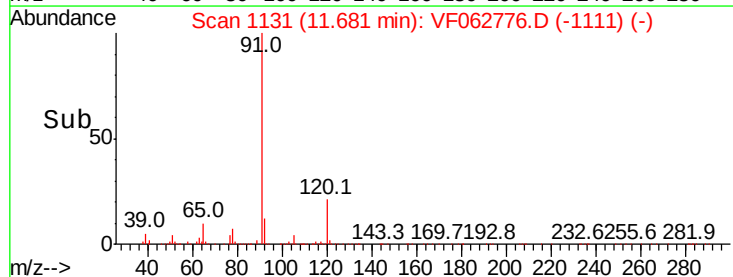
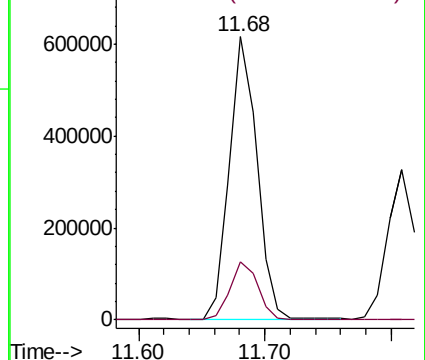
91 100

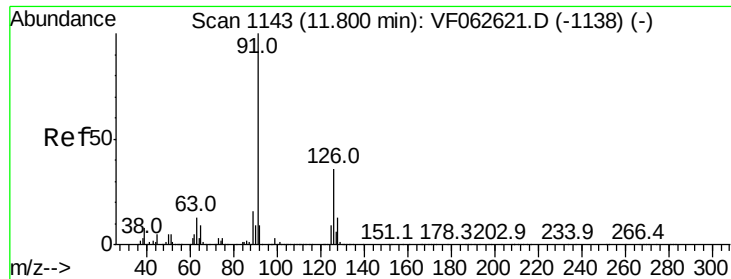
120 20.7 12.7 38.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

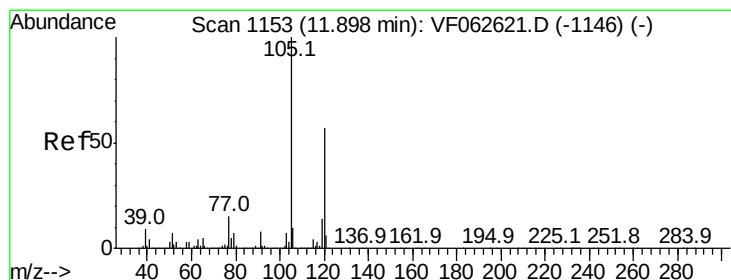
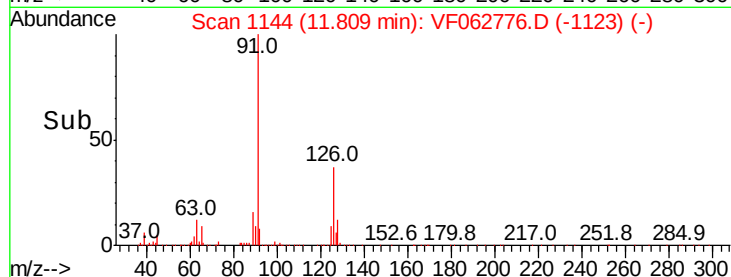
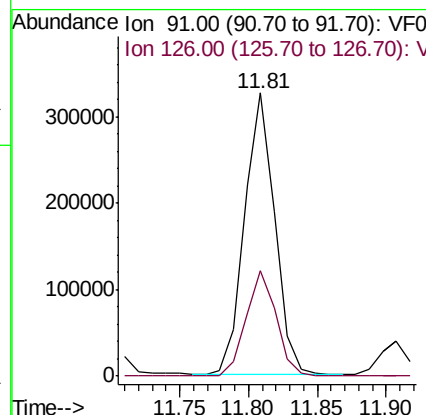
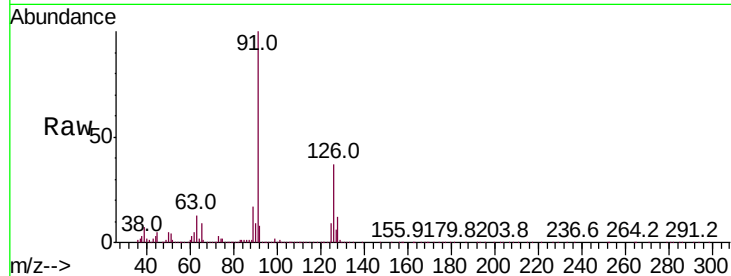




#79
2-Chlorotoluene
Concen: 23.236 ug/l
RT: 11.81 min Scan# 1144
Delta R.T. 0.01 min
Lab File: VF062776.D
Acq: 29 May 2019 12:13

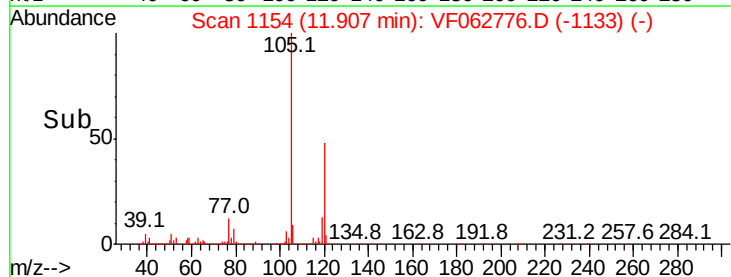
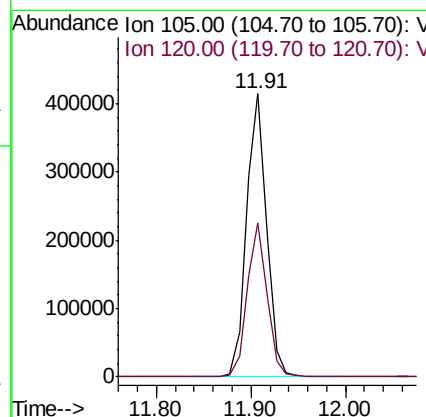
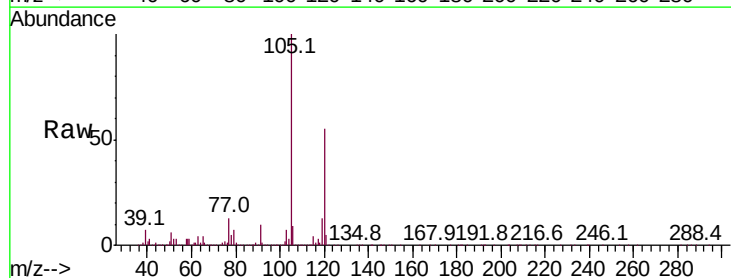
Instrument :
MSVOA_F
ClientSampleId :

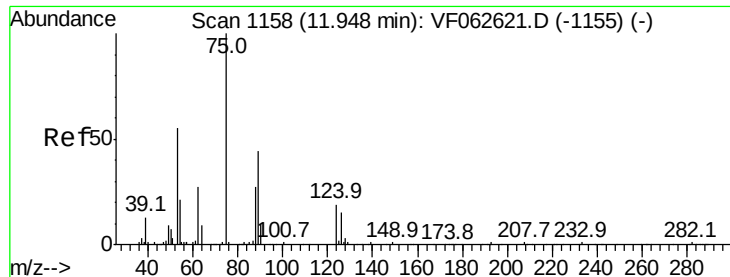
Tot Ion: 91 Resp: 500459
Ion Ratio Lower Upper
91 100
126 37.3 18.1 54.4



#80
1,3,5-Trimethylbenzene
Concen: 23.455 ug/l
RT: 11.91 min Scan# 1154
Delta R.T. 0.01 min
Lab File: VF062776.D
Acq: 29 May 2019 12:13

Tgt Ion:105 Resp: 607336
Ion Ratio Lower Upper
105 100
120 54.6 28.7 86.3

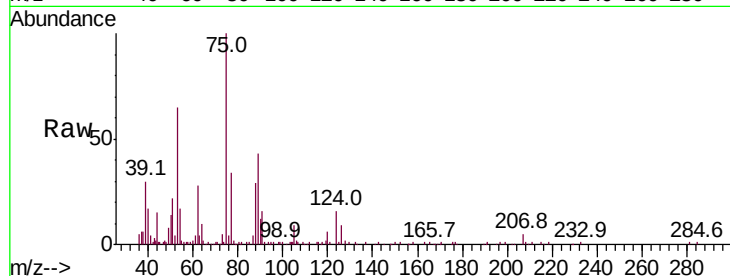




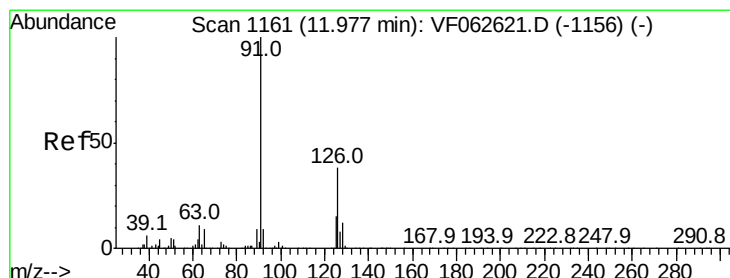
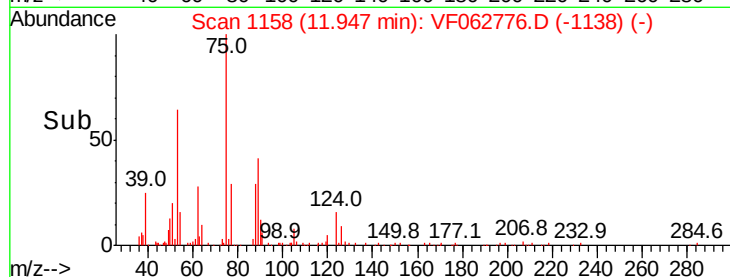
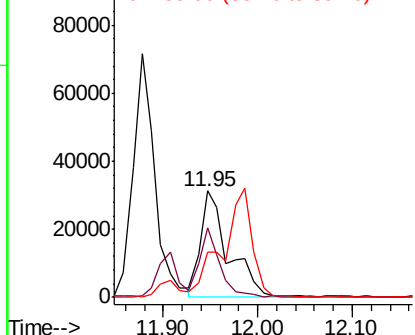
#81
trans-1,4-Dichloro-2-butene
Concen: 33.996 ug/l
RT: 11.95 min Scan# 1158
Delta R.T. -0.00 min
Lab File: VF062776.D
Acq: 29 May 2019 12:13

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 75 Resp: 65526
Ion Ratio Lower Upper
75 100
53 65.4 46.9 70.3
89 42.6 36.4 54.6

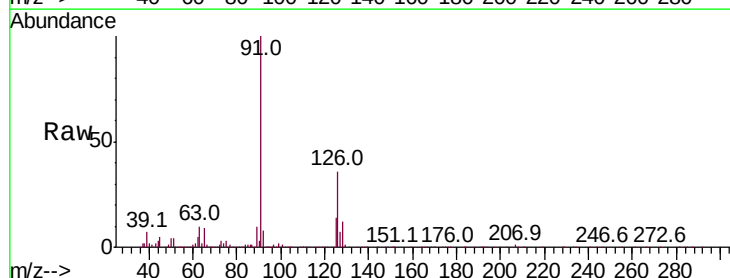


Abundance Ion 75.00 (74.70 to 75.70): VF0
Ion 53.00 (52.70 to 53.70): VF0
Ion 89.00 (88.70 to 89.70): VF0

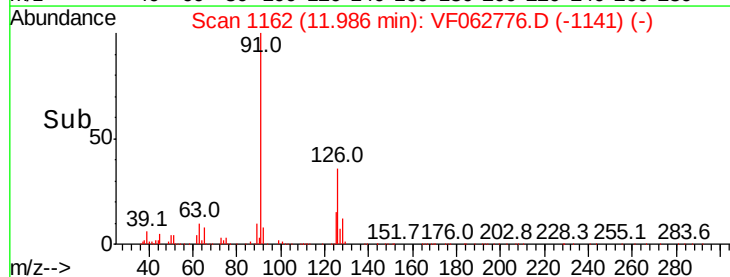
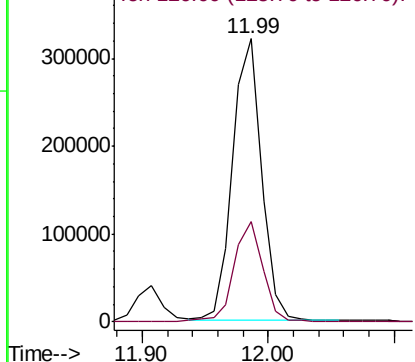


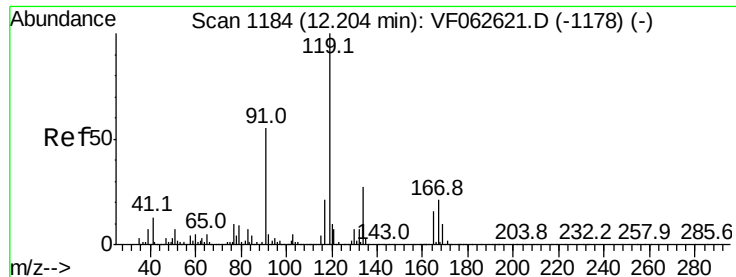
#82
4-Chlorotoluene
Concen: 23.994 ug/l
RT: 11.99 min Scan# 1162
Delta R.T. 0.01 min
Lab File: VF062776.D
Acq: 29 May 2019 12:13

Tgt Ion: 91 Resp: 509615
Ion Ratio Lower Upper
91 100
126 35.5 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: 23.348 ug/l

RT: 12.20 min Scan# 1184

Delta R.T. -0.00 min

Lab File: VF062776.D

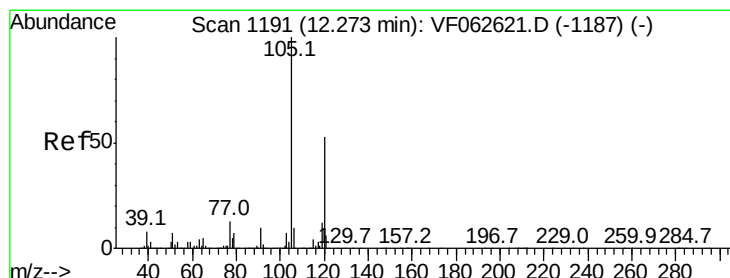
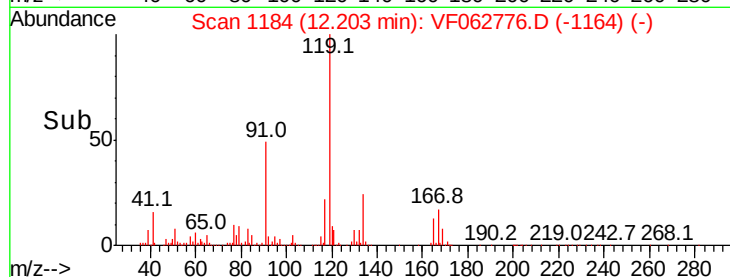
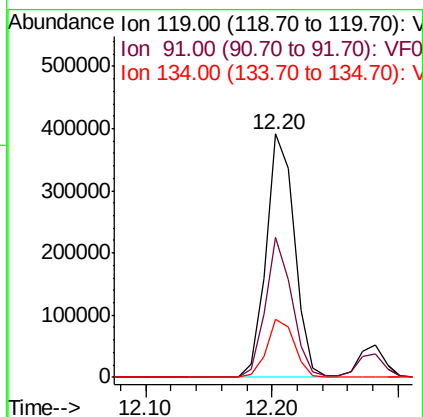
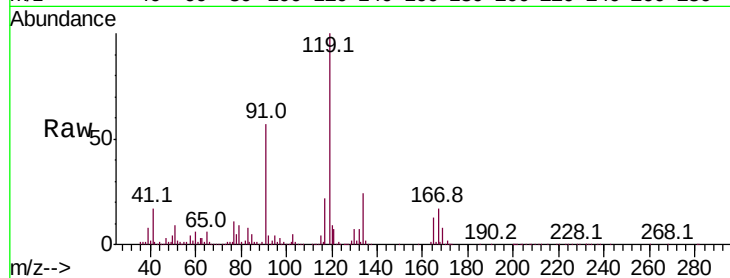
Acq: 29 May 2019 12:13

Instrument :

MSVOA_F

ClientSampleId :

Tot Ion:119	Resp:	613362
Ion Ratio	Lower	Upper
119	100	
91	57.3	27.3 81.9
134	23.6	13.6 40.7



#84

1,2,4-Trimethylbenzene

Concen: 23.930 ug/l

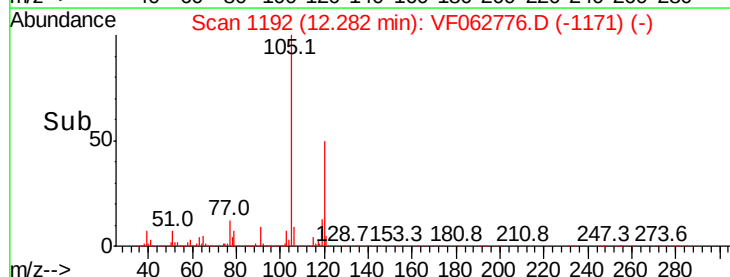
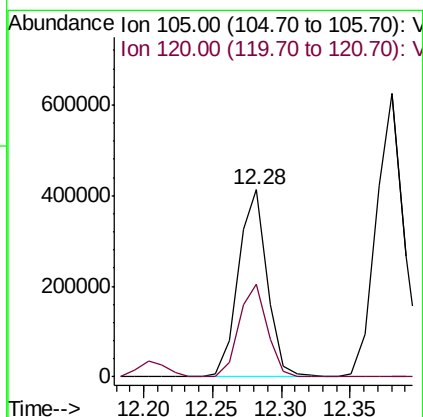
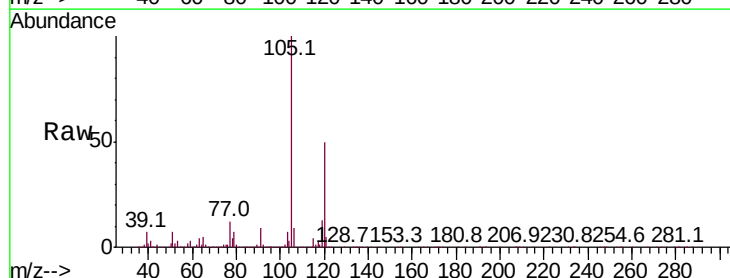
RT: 12.28 min Scan# 1192

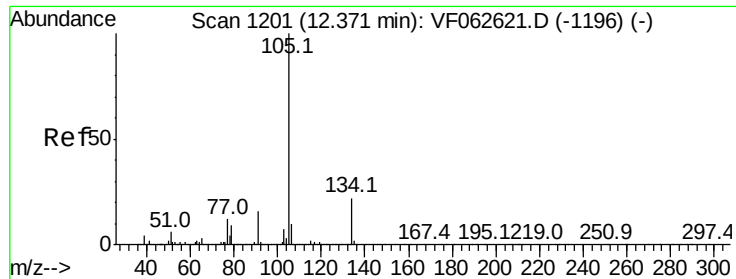
Delta R.T. 0.01 min

Lab File: VF062776.D

Acq: 29 May 2019 12:13

Tgt Ion:105	Resp:	599733
Ion Ratio	Lower	Upper
105	100	
120	49.8	26.7 80.1





#85

sec-Butylbenzene

Concen: 24.635 ug/l

RT: 12.38 min Scan# 1202

Delta R.T. 0.01 min

Lab File: VF062776.D

Acq: 29 May 2019 12:13

Instrument :

MSVOA_F

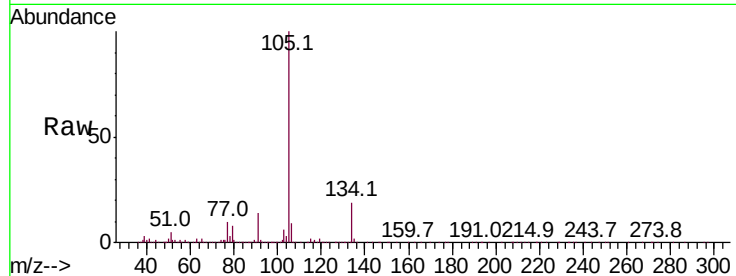
ClientSampleId :

Tot Ion:105 Resp: 868527

Ion Ratio Lower Upper

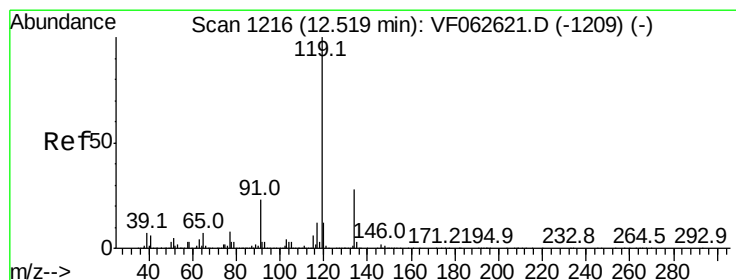
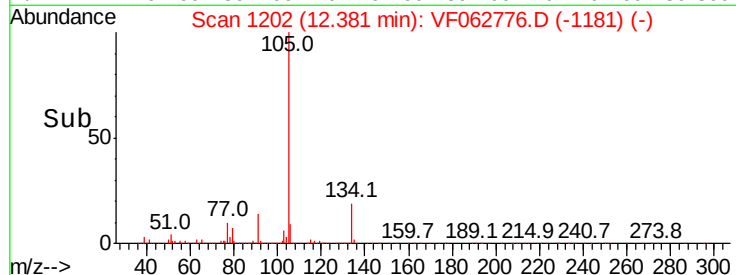
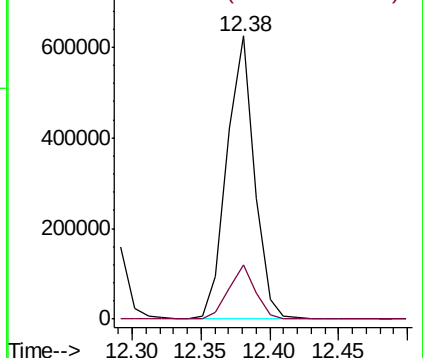
105 100

134 19.3 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: 24.509 ug/l

RT: 12.53 min Scan# 1217

Delta R.T. 0.01 min

Lab File: VF062776.D

Acq: 29 May 2019 12:13

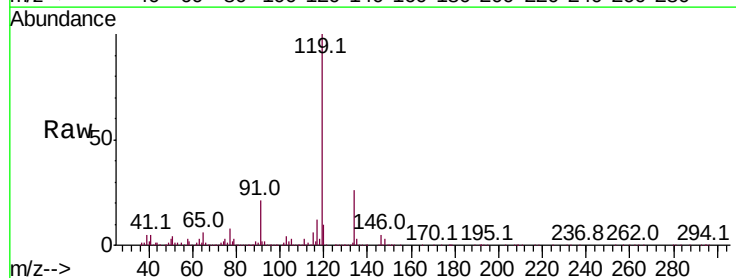
Tgt Ion:119 Resp: 728211

Ion Ratio Lower Upper

119 100

134 26.0 14.1 42.3

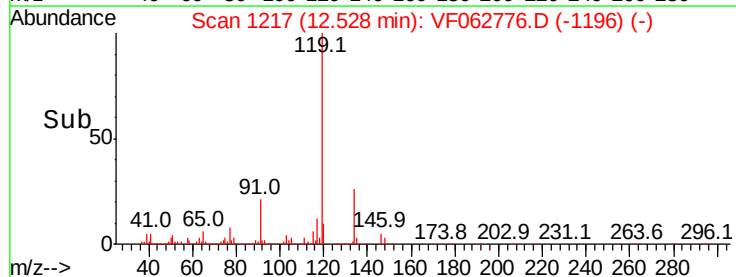
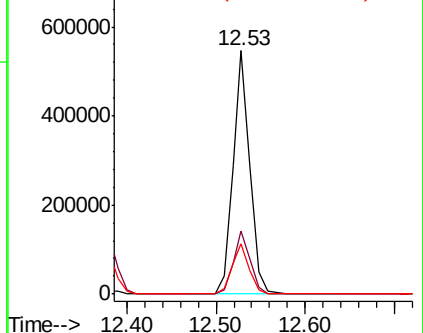
91 20.9 11.4 34.2

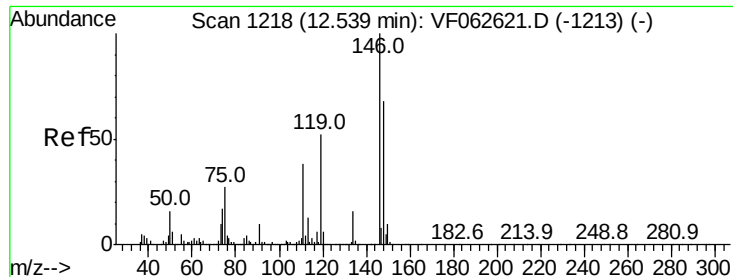


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

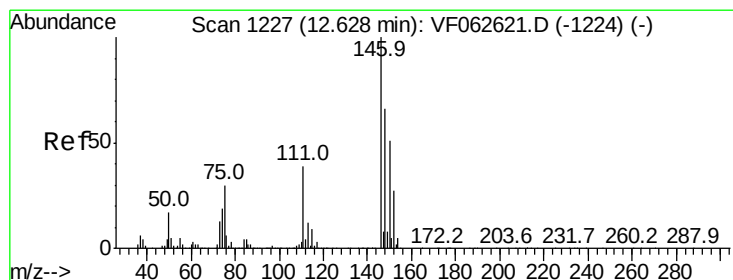
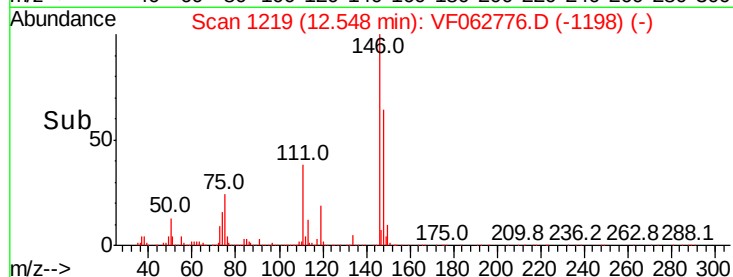
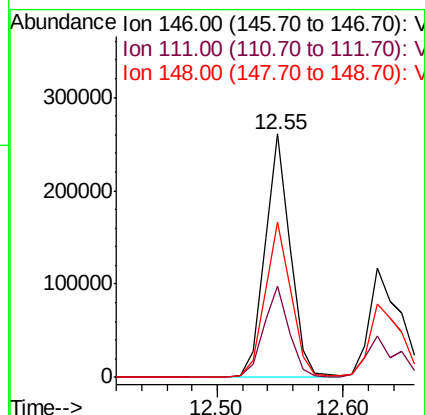
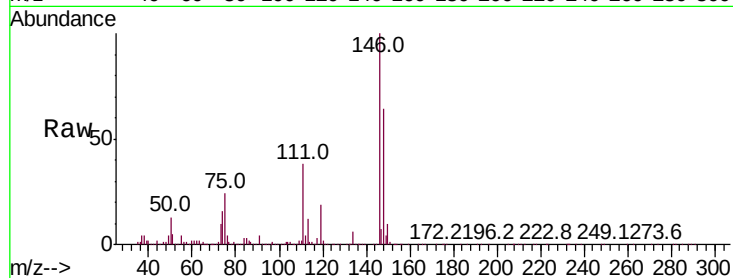




#87
 1,3-Dichlorobenzene
 Concen: 25.047 ug/l
 RT: 12.55 min Scan# 1219
 Delta R.T. 0.01 min
 Lab File: VF062776.D
 Acq: 29 May 2019 12:13

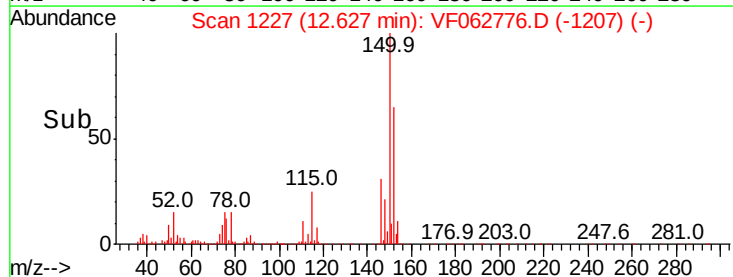
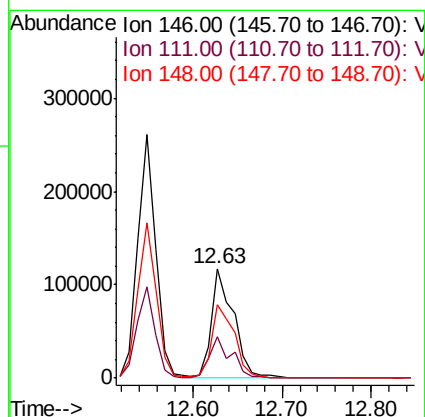
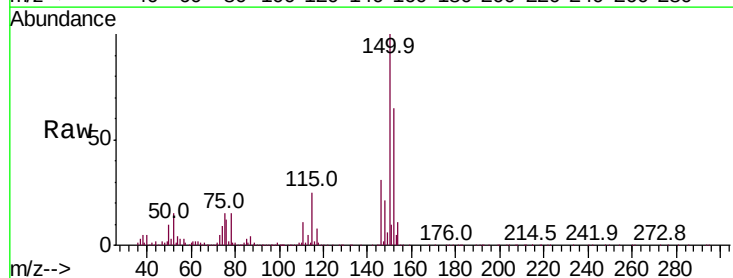
Instrument :
 MSVOA_F
 ClientSampleId :

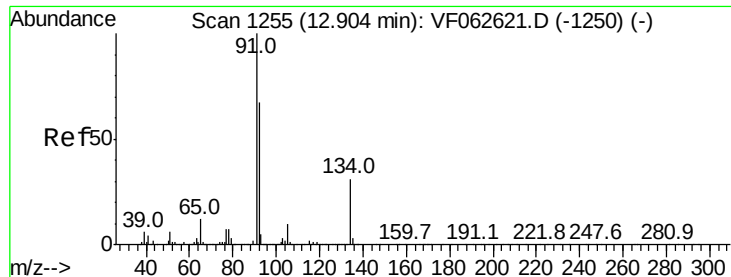
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.9	56.9
148	63.6	34.0	101.8



#88
 1,4-Dichlorobenzene
 Concen: 15.002 ug/l
 RT: 12.63 min Scan# 1227
 Delta R.T. -0.00 min
 Lab File: VF062776.D
 Acq: 29 May 2019 12:13

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.7	19.4	58.2
148	67.2	33.2	99.6

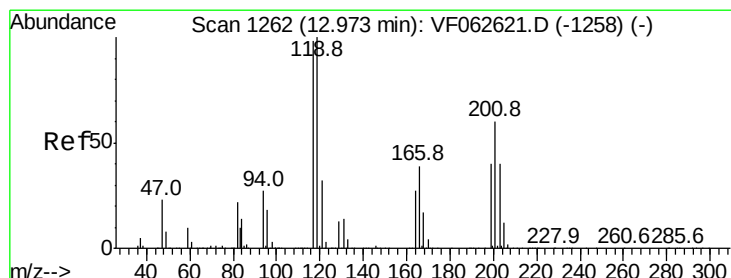
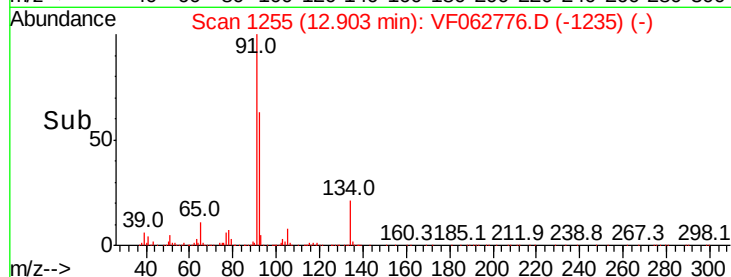
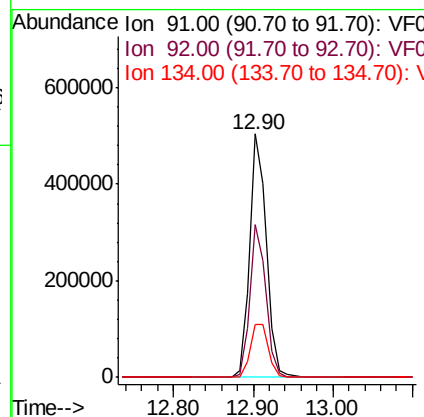
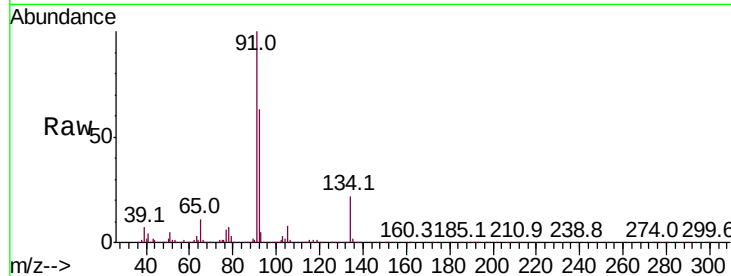




#89
n-Butylbenzene
Concen: 24.683 ug/l
RT: 12.90 min Scan# 1255
Delta R.T. -0.00 min
Lab File: VF062776.D
Acq: 29 May 2019 12:13

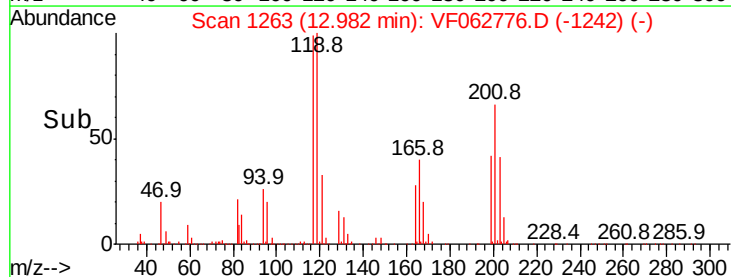
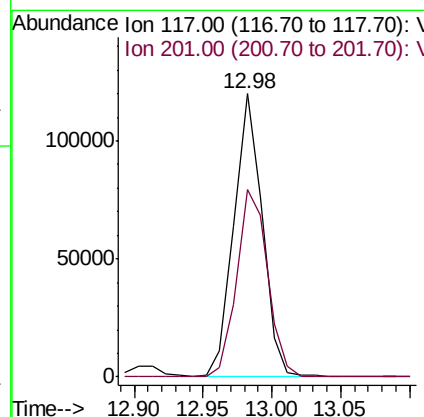
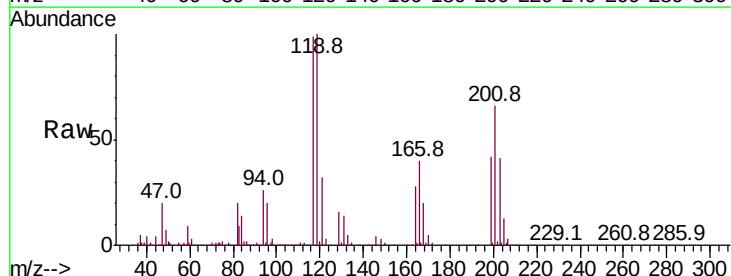
Instrument :
MSVOA_F
ClientSampleId :

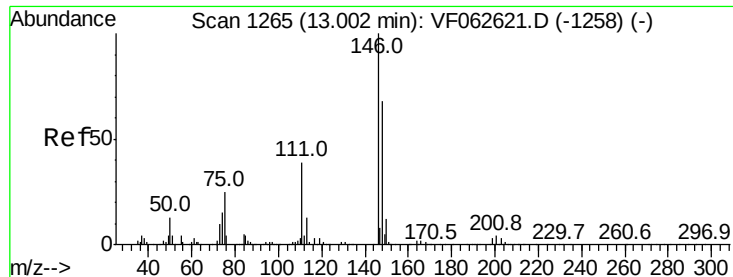
Tot Ion:	91	Resp:	723064
Ion	Ratio	Lower	Upper
91	100		
92	62.7	33.3	99.8
134	21.5	15.4	46.4



#90
Hexachloroethane
Concen: 24.193 ug/l
RT: 12.98 min Scan# 1263
Delta R.T. 0.01 min
Lab File: VF062776.D
Acq: 29 May 2019 12:13

Tgt Ion:	117	Resp:	172435
Ion	Ratio	Lower	Upper
117	100		
201	67.8	30.7	92.1





#91

1,2-Dichlorobenzene

Concen: 23.916 ug/l

RT: 13.01 min Scan# 1266

Delta R.T. 0.01 min

Lab File: VF062776.D

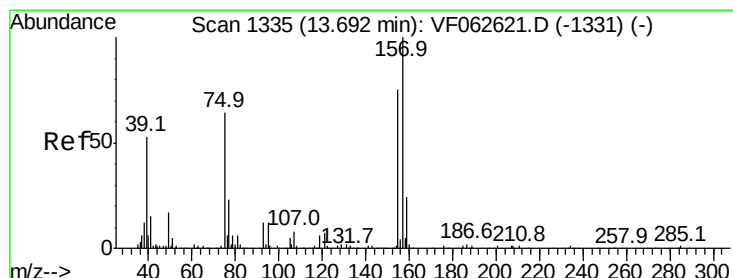
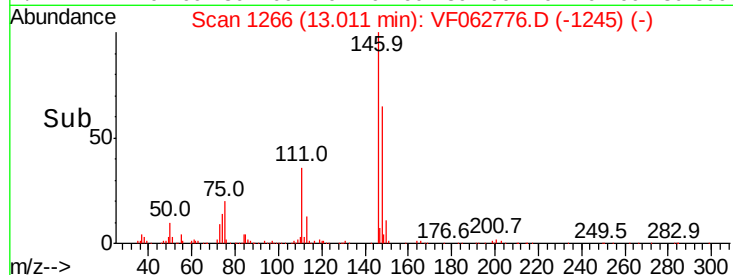
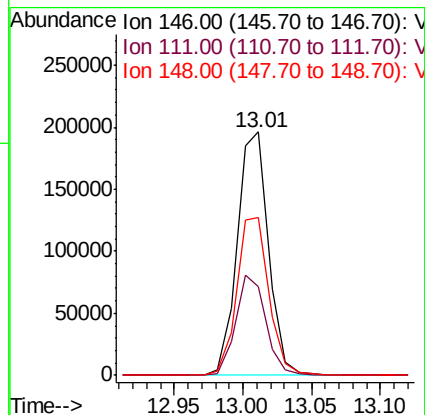
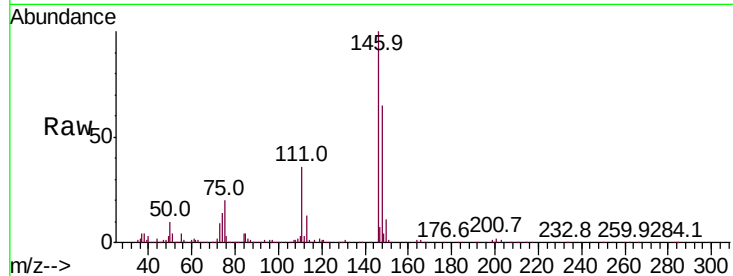
Acq: 29 May 2019 12:13

Instrument :

MSVOA_F

ClientSampled :

Tot Ion:	146	Resp:	309600
Ion	Ratio	Lower	Upper
146	100		
111	36.4	19.8	59.3
148	64.7	34.1	102.2



#92

1,2-Dibromo-3-Chloropropane

Concen: 27.825 ug/l

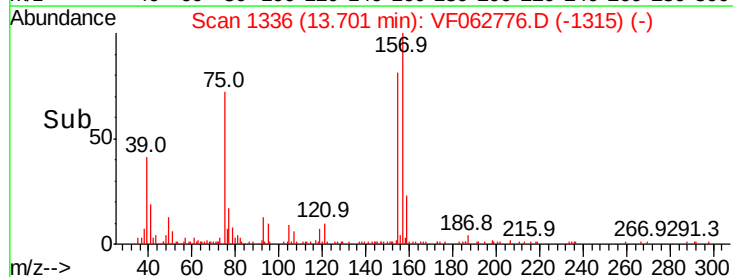
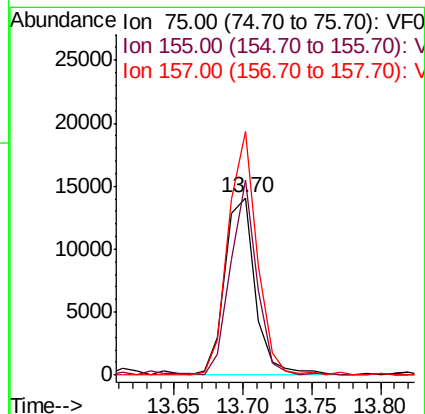
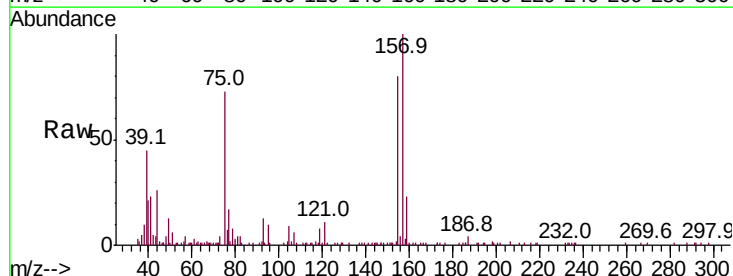
RT: 13.70 min Scan# 1336

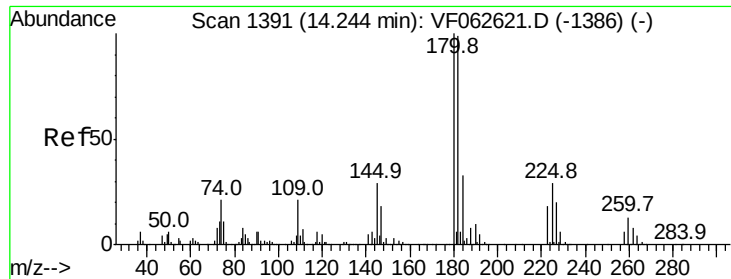
Delta R.T. 0.01 min

Lab File: VF062776.D

Acq: 29 May 2019 12:13

Tgt Ion:	75	Resp:	21906
Ion	Ratio	Lower	Upper
75	100		
155	110.2	58.1	174.3
157	137.2	77.8	233.4

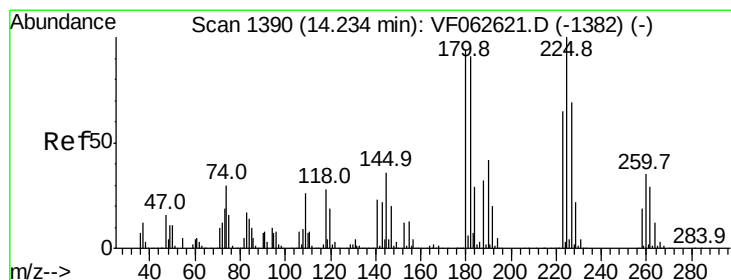
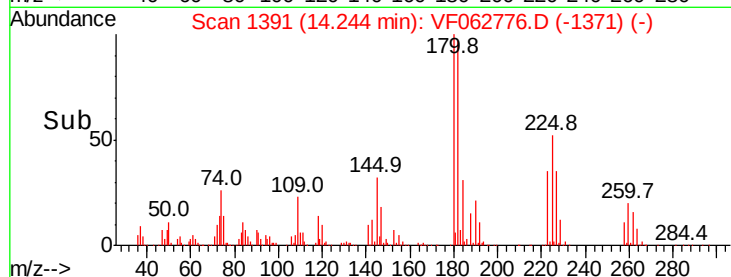
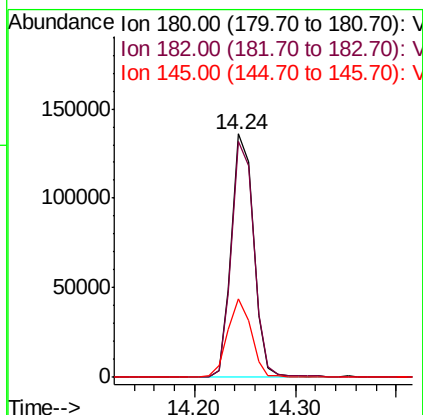
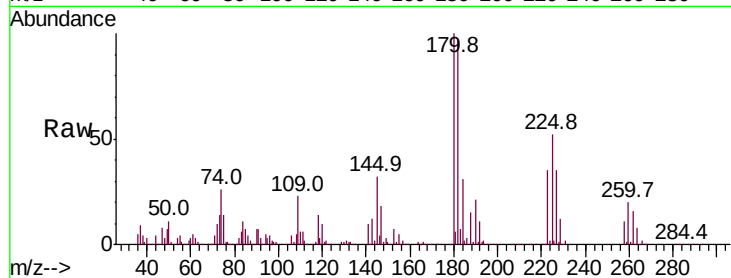




#93
 1,2,4-Trichlorobenzene
 Concen: 22.606 ug/l
 RT: 14.24 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VF062776.D
 Acq: 29 May 2019 12:13

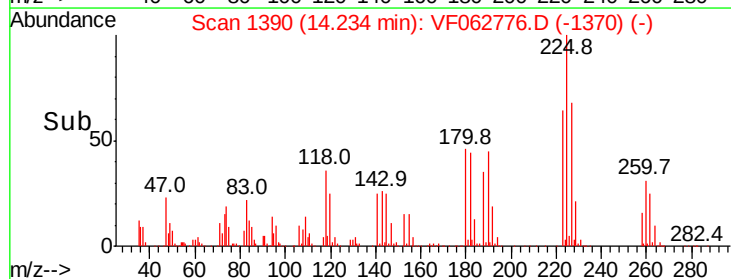
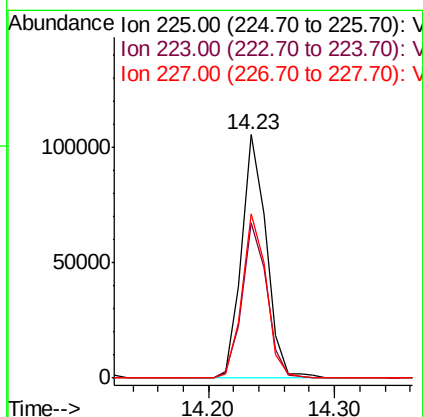
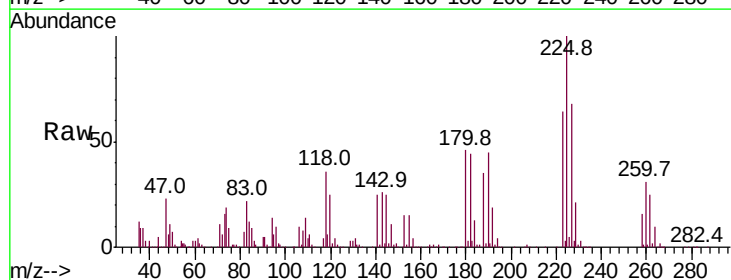
Instrument :
 MSVOA_F
 ClientSampled :

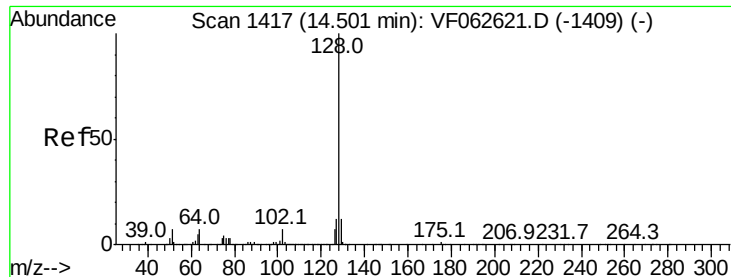
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.8	49.7	149.1
145	32.3	14.6	44.0



#94
 Hexachlorobutadiene
 Concen: 22.188 ug/l
 RT: 14.23 min Scan# 1390
 Delta R.T. -0.00 min
 Lab File: VF062776.D
 Acq: 29 May 2019 12:13

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.0	32.5	97.4
227	67.7	34.5	103.5





#95

Naphthalene

Concen: 20.630 ug/l

RT: 14.50 min Scan# 1417

Delta R.T. -0.00 min

Lab File: VF062776.D

Acq: 29 May 2019 12:13

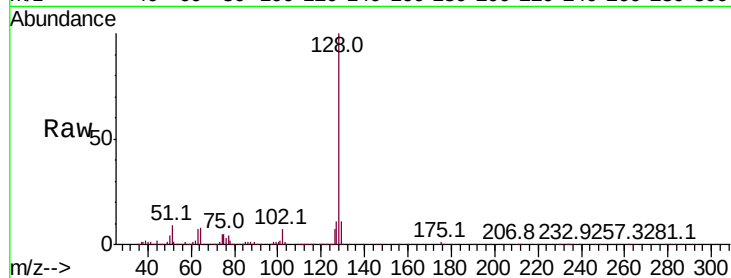
Instrument :

MSVOA_F

ClientSampleId :

Tot Ion:128 Resp: 347285

Ion	Ratio	Lower	Upper
128	100		
127	11.2	9.7	14.5
129	11.2	9.3	13.9

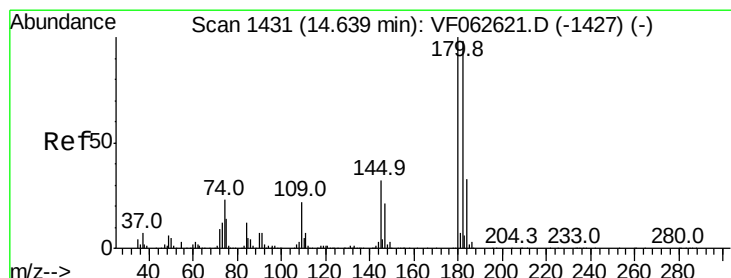
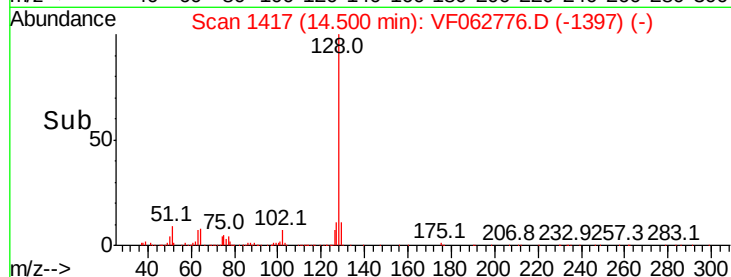


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

Time--> 14.40 14.50 14.60



#96

1,2,3-Trichlorobenzene

Concen: 22.118 ug/l

RT: 14.65 min Scan# 1432

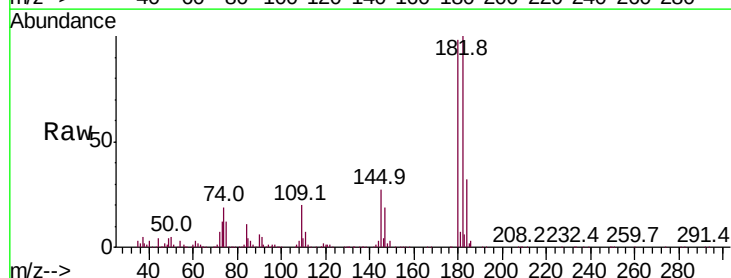
Delta R.T. 0.01 min

Lab File: VF062776.D

Acq: 29 May 2019 12:13

Tgt Ion:180 Resp: 194129

Ion	Ratio	Lower	Upper
180	100		
182	101.6	48.9	146.7
145	27.5	16.1	48.2



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

Time--> 14.50 14.60 14.70 14.80

