

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051419\
 Data File : VF062587.D
 Acq On : 14 May 2019 17:20
 Operator : FY/SY
 Sample : VSTDIC075
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Quant Time: May 15 04:38:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F051419S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 15 04:31:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.09	168	613859	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.80	114	1048582	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	771231	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	369570	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.06	65	329765	49.59	ug/l	0.00
Spiked Amount			Recovery	=	99.18%	
35) Dibromofluoromethane	4.33	113	565027	72.36	ug/l	0.00
Spiked Amount			Recovery	=	144.72%	
50) Toluene-d8	7.73	98	1317431	59.96	ug/l	0.00
Spiked Amount			Recovery	=	119.92%	
62) 4-Bromofluorobenzene	11.51	95	462084	52.65	ug/l	0.00
Spiked Amount			Recovery	=	105.30%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.01	85	425028	50.307	ug/l	94
3) Chloromethane	1.15	50	461015	62.644	ug/l	99
4) Vinyl Chloride	1.20	62	457118	62.686	ug/l	100
5) Bromomethane	1.40	94	235506	41.133	ug/l	85
6) Chloroethane	1.46	64	197727	52.513	ug/l	95
7) Trichlorofluoromethane	1.56	101	667788	63.051	ug/l	94
8) Diethyl Ether	1.72	74	140375	62.587	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	1.93	101	443164	64.109	ug/l #	95
10) Methyl Iodide	2.01	142	752069	64.100	ug/l	98
11) Tert butyl alcohol	2.71	59	95860	307.337	ug/l #	89
12) 1,1-Dichloroethene	1.89	96	382372	61.089	ug/l	99
13) Acrolein	2.12	56	47529	157.806	ug/l	86
14) Allyl chloride	2.21	41	469534	59.363	ug/l	98
15) Acrylonitrile	3.11	53	428671	459.508	ug/l	96
16) Acetone	2.36	43	342793	266.982	ug/l	92
17) Carbon Disulfide	1.92	76	872194	45.466	ug/l	98
18) Methyl Acetate	2.48	43	148565	47.757	ug/l	100
19) Methyl tert-butyl Ether	2.57	73	750411	66.288	ug/l	100
20) Methylene Chloride	2.30	84	157040	20.896	ug/l	98
21) trans-1,2-Dichloroethene	2.44	96	368038	65.357	ug/l	97
22) Diisopropyl ether	2.95	45	964602	52.784	ug/l	97
23) Vinyl Acetate	3.37	43	2634365	299.857	ug/l	99
24) 1,1-Dichloroethane	3.04	63	691807	62.637	ug/l	100
25) 2-Butanone	4.55	43	736589	305.770	ug/l	94
26) 2,2-Dichloropropane	3.80	77	376796	64.246	ug/l	96
27) cis-1,2-Dichloroethene	3.67	96	547213	73.364	ug/l	97
28) Bromochloromethane	3.93	49	391617	78.508	ug/l	98
29) Tetrahydrofuran	4.29	42	315068	302.999	ug/l	96
30) Chloroform	4.08	83	821440	61.718	ug/l	92
31) Cyclohexane	3.91	56	709604	65.115	ug/l	98
32) 1,1,1-Trichloroethane	4.32	97	565613	64.471	ug/l	96
36) 1,1-Dichloropropene	4.51	75	605609	53.411	ug/l	97
37) Ethyl Acetate	4.33	43	259110	49.394	ug/l #	80
38) Carbon Tetrachloride	4.22	117	498960	57.021	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.66	83	710242	61.948	ug/l	98
40) Benzene	4.86	78	1712184	67.011	ug/l	98
41) Methacrylonitrile	4.96	41	149532	50.581	ug/l	95
42) 1,2-Dichloroethane	5.16	62	387165	43.328	ug/l	98
43) Isopropyl Acetate	7.13	43	311930	55.090	ug/l	92
44) Trichloroethene	5.71	130	467942	60.540	ug/l	97
45) 1,2-Dichloropropane	6.43	63	453654	74.606	ug/l	96
46) Dibromomethane	6.30	93	251936	62.204	ug/l	97
47) Bromodichloromethane	6.58	83	564411	52.777	ug/l	97
48) Methyl methacrylate	6.91	41	175968	41.849	ug/l	93
49) 1,4-Dioxane	6.90	88	42591	1556.749	ug/l	89
51) 4-Methyl-2-Pentanone	8.42	43	1102214	258.106	ug/l	99
52) Toluene	7.80	92	878718	55.436	ug/l	99
53) t-1,3-Dichloropropene	8.45	75	424772	49.486	ug/l	98
54) cis-1,3-Dichloropropene	7.49	75	617275	57.940	ug/l	96
55) 1,1,2-Trichloroethane	8.66	97	273925	61.771	ug/l	96
56) Ethyl methacrylate	8.78	69	293661	50.528	ug/l	94
57) 1,3-Dichloropropane	9.03	76	449424	60.184	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.48	63	467726	508.874	ug/l	99
59) 2-Hexanone	9.65	43	728947	242.401	ug/l	98
60) Dibromochloromethane	8.89	129	371568	58.836	ug/l	98
61) 1,2-Dibromoethane	9.15	107	285815	61.286	ug/l	97
64) Tetrachloroethene	8.33	164	340328	60.563	ug/l	96
65) Chlorobenzene	9.95	112	934773	63.036	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.08	131	405537	63.365	ug/l	98
67) Ethyl Benzene	10.05	91	1625130	56.695	ug/l	98
68) m/p-Xylenes	10.28	106	1156131	112.562	ug/l	97
69) o-Xylene	10.84	106	642028	62.143	ug/l	94
70) Styrene	10.91	104	950662	60.136	ug/l	97
71) Bromoform	10.90	173	193606	59.216	ug/l #	93
73) Isopropylbenzene	11.23	105	1736208	58.200	ug/l	95
74) N-amyl acetate	11.46	43	417022	52.236	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.79	83	355243	72.915	ug/l	97
76) 1,2,3-Trichloropropane	11.88	75	219105	59.919	ug/l	89
77) Bromobenzene	11.60	156	412532	65.310	ug/l	85
78) n-propylbenzene	11.69	91	1968582	56.706	ug/l	98
79) 2-Chlorotoluene	11.82	91	1143056	57.643	ug/l	91
80) 1,3,5-Trimethylbenzene	11.91	105	1354659	54.494	ug/l	92
81) trans-1,4-Dichloro-2-buten	11.95	75	122885	83.554	ug/l	88
82) 4-Chlorotoluene	11.99	91	1091021	54.424	ug/l	92
83) tert-Butylbenzene	12.21	119	1493087	59.327	ug/l	96
84) 1,2,4-Trimethylbenzene	12.28	105	1366178	55.173	ug/l	99
85) sec-Butylbenzene	12.39	105	1955004	60.973	ug/l	91
86) p-Isopropyltoluene	12.53	119	1605275	56.353	ug/l	96
87) 1,3-Dichlorobenzene	12.55	146	748692	62.610	ug/l	97
88) 1,4-Dichlorobenzene	12.64	146	710652	58.633	ug/l	98
89) n-Butylbenzene	12.91	91	1556869	56.200	ug/l	96
90) Hexachloroethane	12.99	117	424227	63.397	ug/l	83
91) 1,2-Dichlorobenzene	13.01	146	689848	60.926	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.70	75	42212	41.737	ug/l	87

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ClientSampleId :
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Quant Title : SW846 8260
QLast Update : Wed May 15 04:31:17 2019
Response via : Initial Calibration

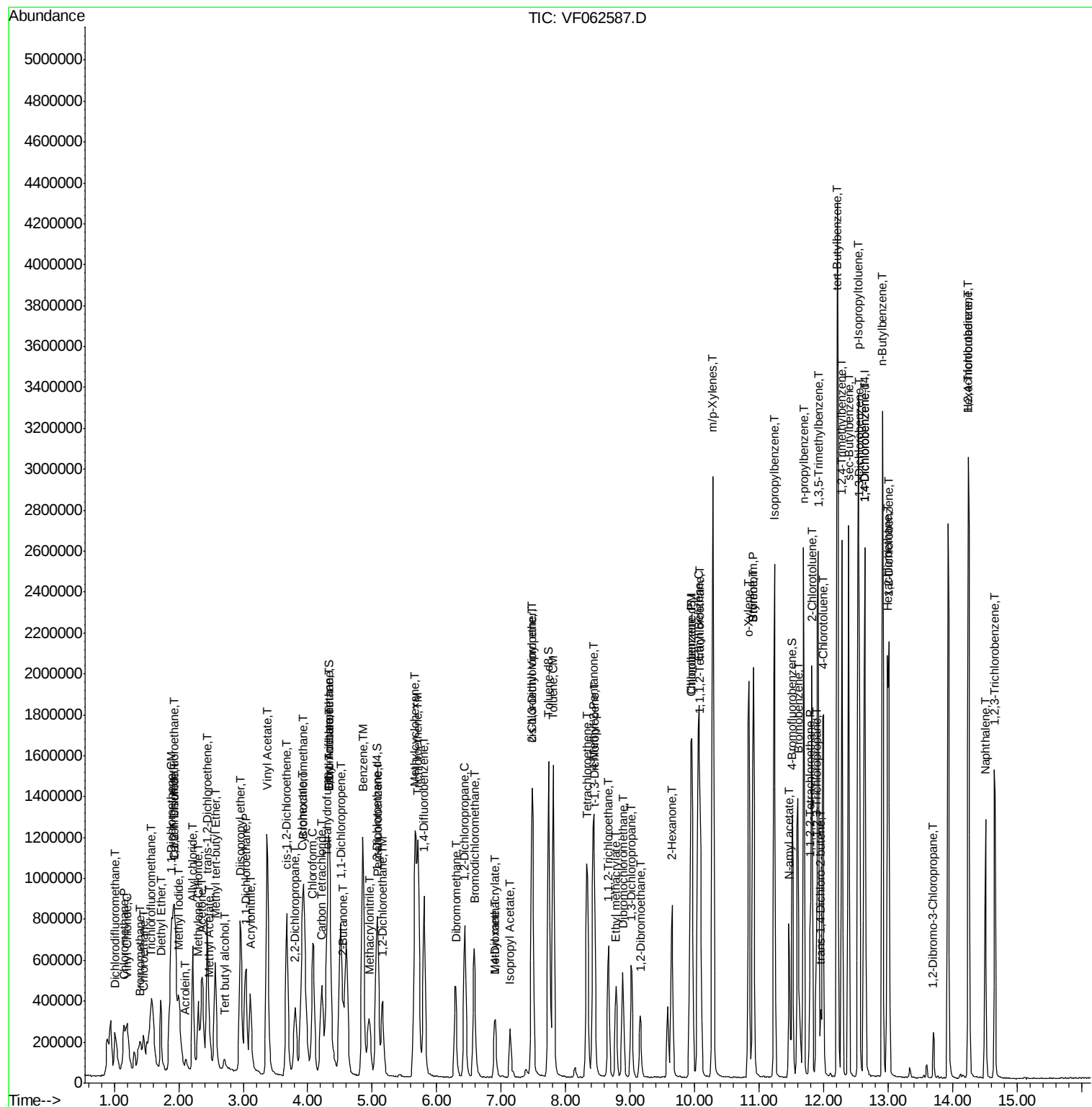
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	499324	60.426	ug/l	97
94) Hexachlorobutadiene	14.24	225	362929	67.668	ug/l	99
95) Naphthalene	14.51	128	882422	65.168	ug/l	98
96) 1,2,3-Trichlorobenzene	14.65	180	461341	63.992	ug/l	97

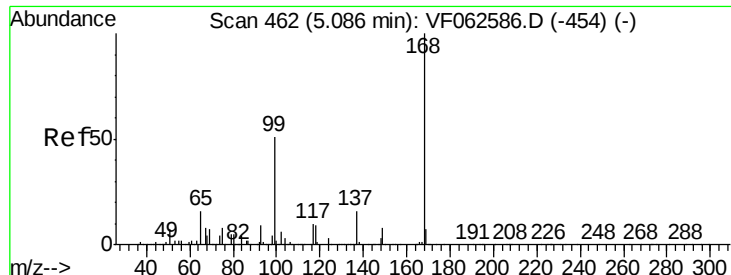
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Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF051419\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.09 min Scan# 462

Delta R.T. 0.01 min

Lab File: VF062587.D

Acq: 14 May 2019 17:20

Instrument :

MSVOA_F

ClientSampleId :

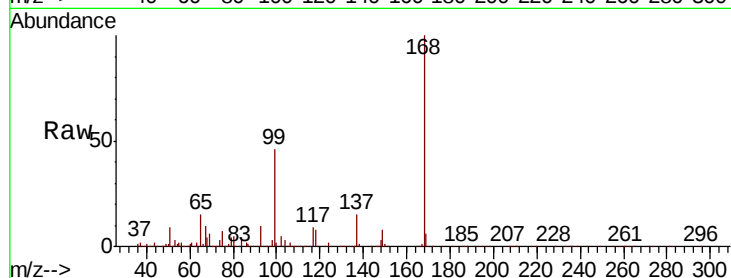
VSTDIC075

Tot Ion:168 Resp: 613859

Ion Ratio Lower Upper

168 100

99 46.2 41.0 61.6



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.09

200000

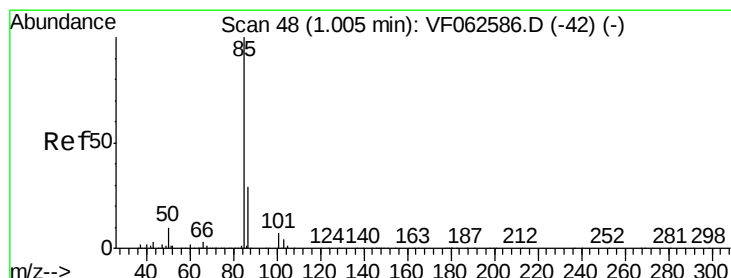
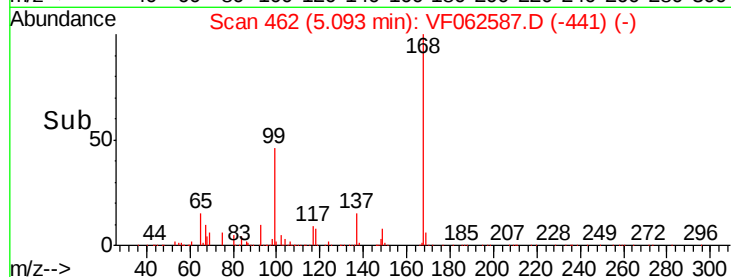
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 50.307 ug/l

RT: 1.01 min Scan# 48

Delta R.T. 0.01 min

Lab File: VF062587.D

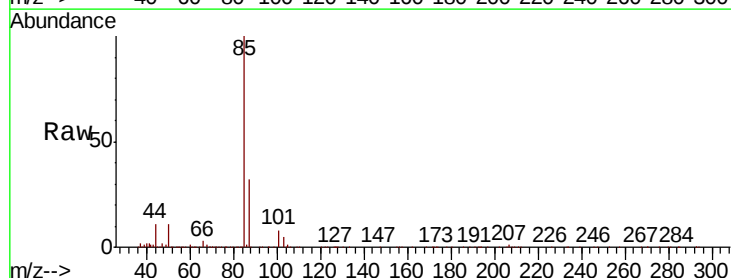
Acq: 14 May 2019 17:20

Tgt Ion: 85 Resp: 425028

Ion Ratio Lower Upper

85 100

87 32.5 14.6 43.8



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

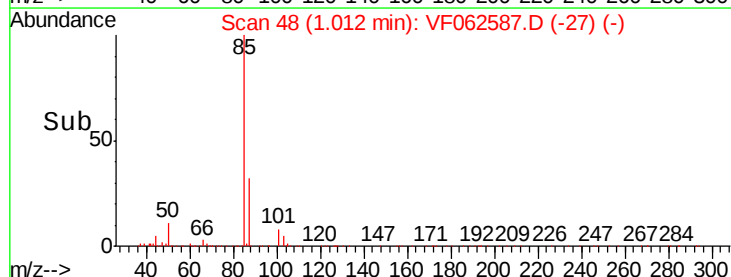
1.01

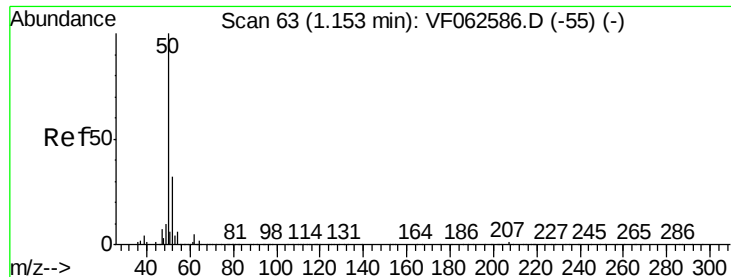
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50000

0

Time-->

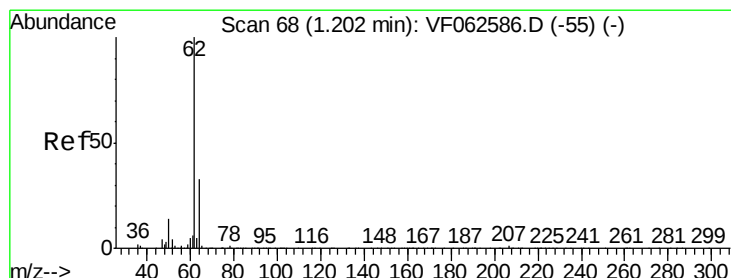
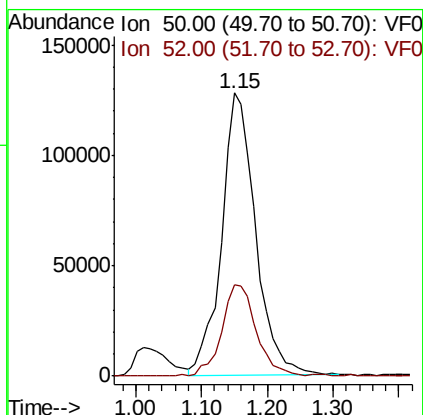
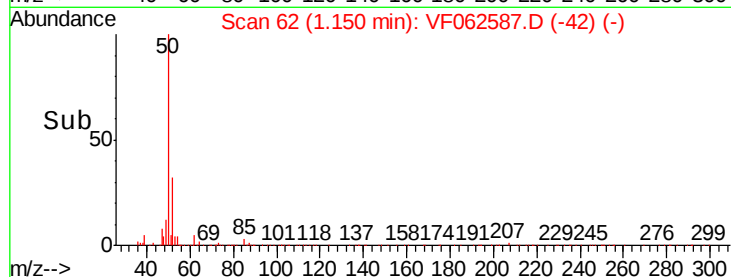
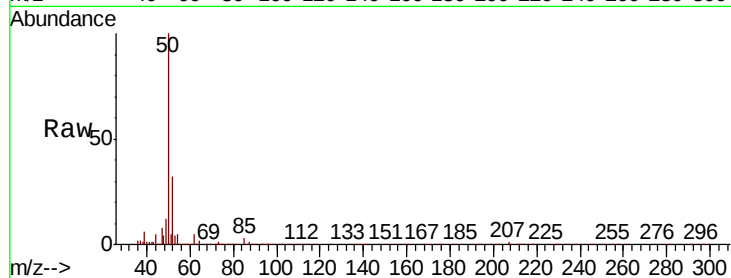




#3
Chloromethane
Concen: 62.644 ug/l
RT: 1.15 min Scan# 62
Delta R.T. -0.00 min
Lab File: VF062587.D
Acq: 14 May 2019 17:20

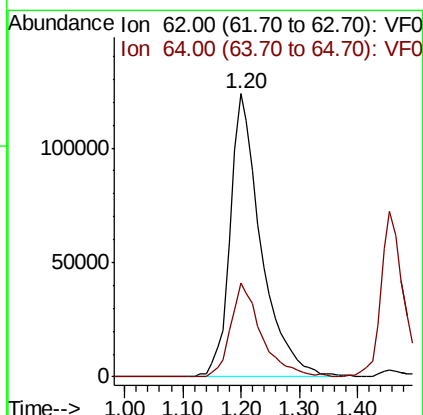
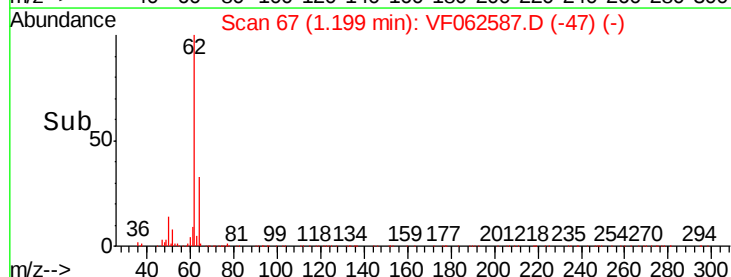
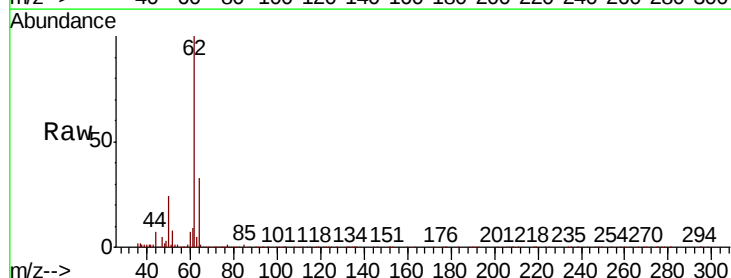
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

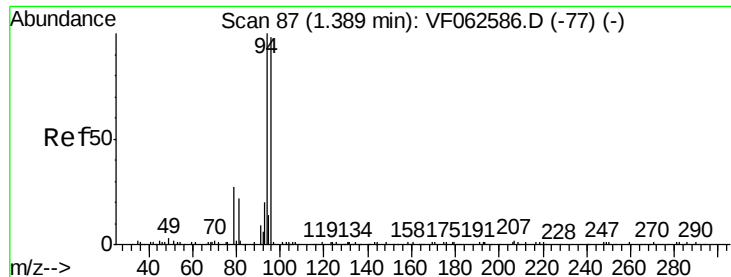
Tot Ion: 50 Resp: 461015
Ion Ratio Lower Upper
50 100
52 32.3 25.3 37.9



#4
Vinyl Chloride
Concen: 62.686 ug/l
RT: 1.20 min Scan# 67
Delta R.T. -0.00 min
Lab File: VF062587.D
Acq: 14 May 2019 17:20

Tgt Ion: 62 Resp: 457118
Ion Ratio Lower Upper
62 100
64 33.2 26.5 39.7





#5

Bromomethane

Concen: 41.133 ug/l

RT: 1.40 min Scan# 87

Delta R.T. 0.01 min

Lab File: VF062587.D

Acq: 14 May 2019 17:20

Instrument :

MSVOA_F

ClientSampleId :

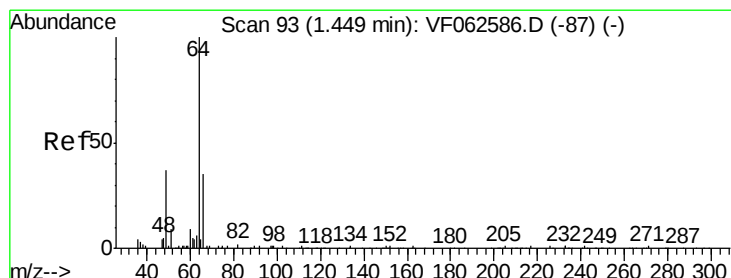
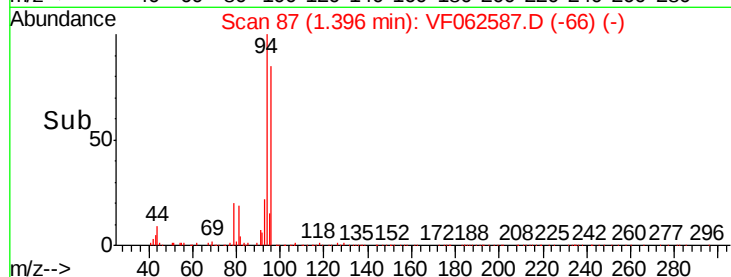
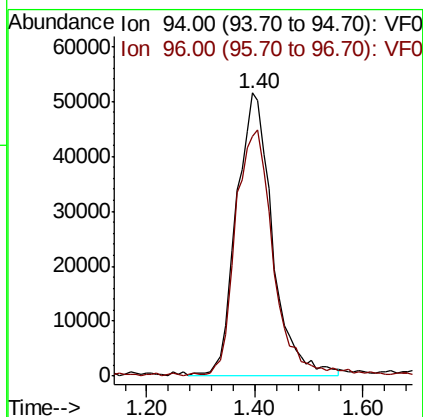
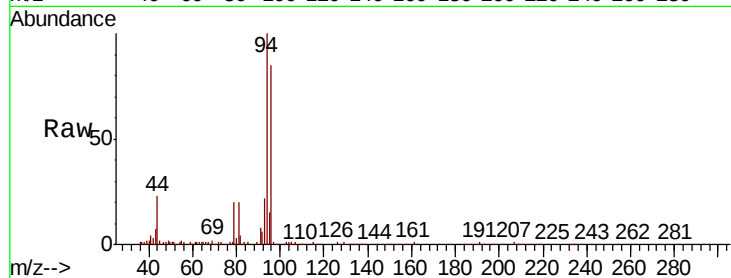
VSTDIC075

Tot Ion: 94 Resp: 235506

Ion Ratio Lower Upper

94 100

96 84.6 79.3 118.9



#6

Chloroethane

Concen: 52.513 ug/l

RT: 1.46 min Scan# 93

Delta R.T. 0.01 min

Lab File: VF062587.D

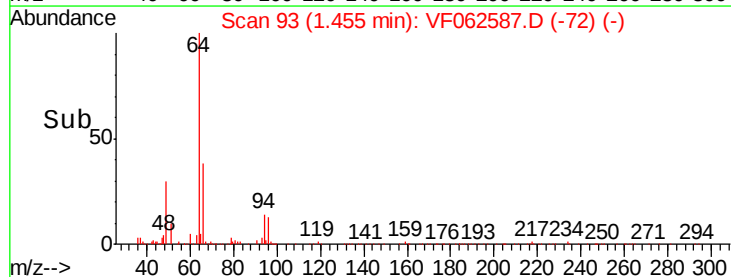
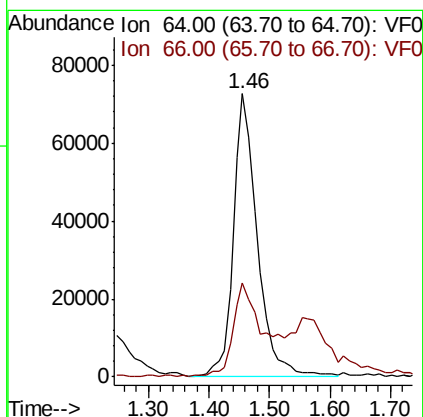
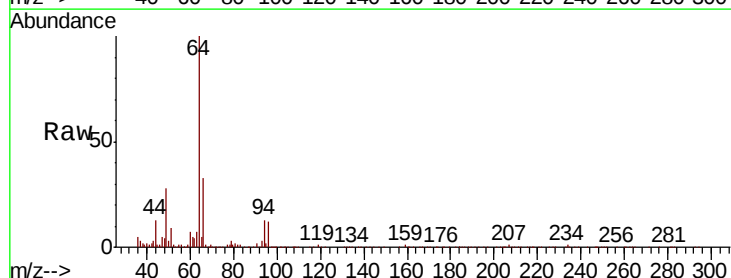
Acq: 14 May 2019 17:20

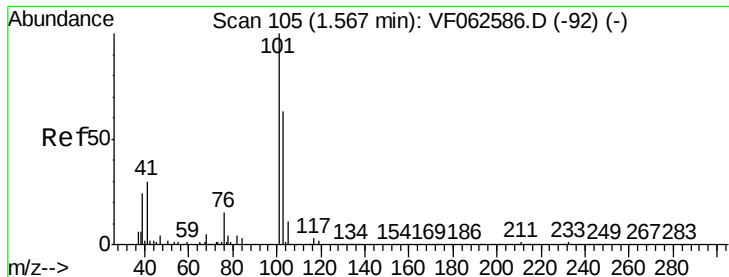
Tgt Ion: 64 Resp: 197727

Ion Ratio Lower Upper

64 100

66 33.0 28.9 43.3



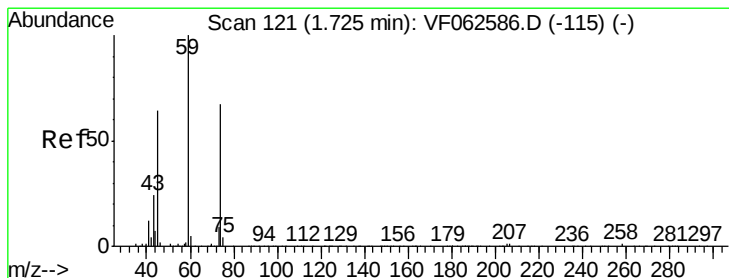
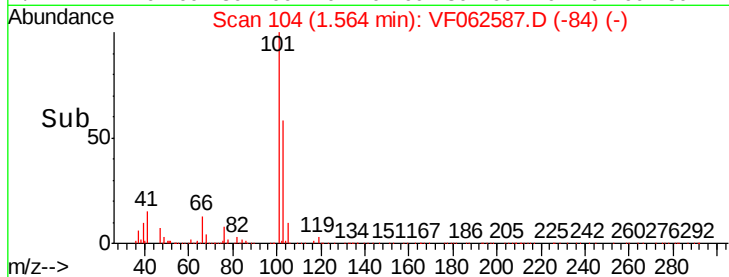
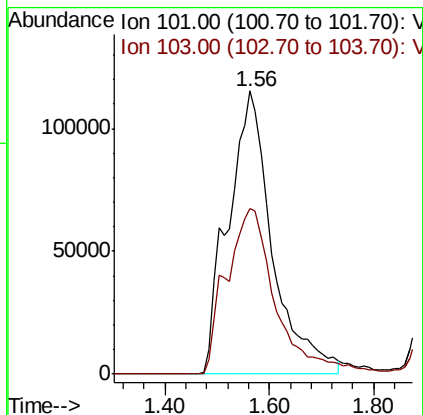
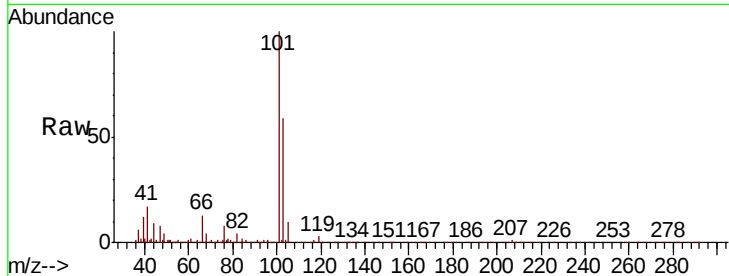


#7

Trichlorofluoromethane
 Concen: 63.051 ug/l
 RT: 1.56 min Scan# 104
 Delta R.T. -0.00 min
 Lab File: VF062587.D
 Acq: 14 May 2019 17:20

Instrument :
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 ClientSampleId :
 VSTDIC075

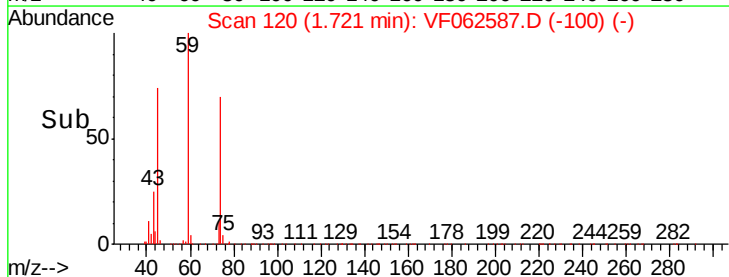
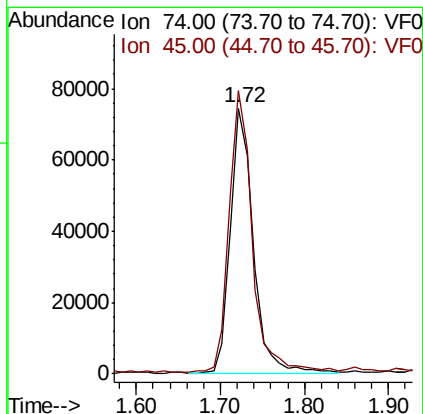
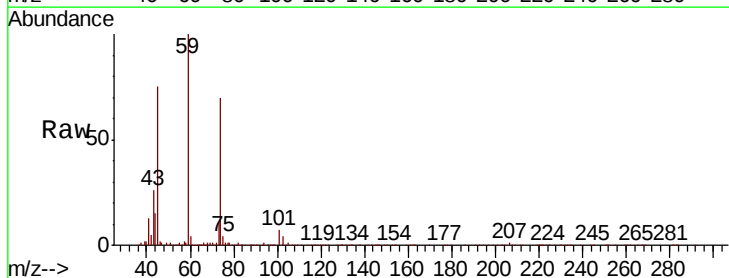
Tot Ion:101 Resp: 667788
 Ion Ratio Lower Upper
 101 100
 103 58.6 50.8 76.2

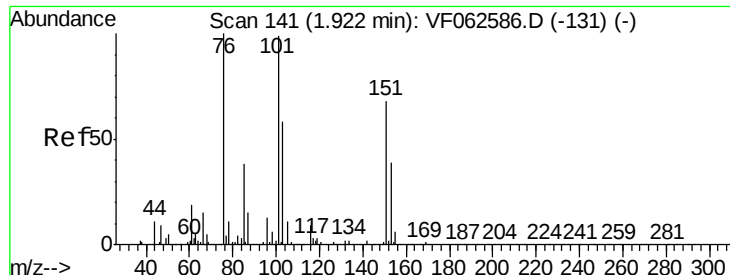


#8

Diethyl Ether
 Concen: 62.587 ug/l
 RT: 1.72 min Scan# 120
 Delta R.T. -0.00 min
 Lab File: VF062587.D
 Acq: 14 May 2019 17:20

Tgt Ion: 74 Resp: 140375
 Ion Ratio Lower Upper
 74 100
 45 106.6 48.6 145.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 64.109 ug/l

RT: 1.93 min Scan# 141

Delta R.T. 0.01 min

Lab File: VF062587.D

Acq: 14 May 2019 17:20

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

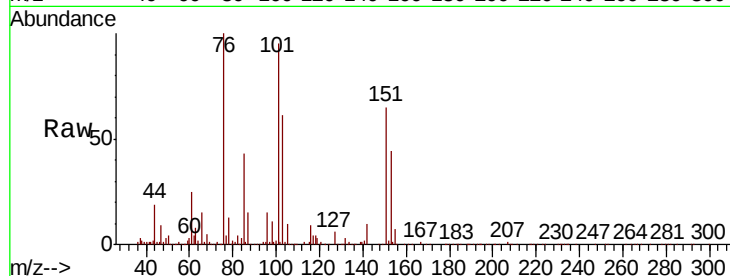
Tot Ion:101 Resp: 443164

Ion Ratio Lower Upper

101 100

85 45.5 30.2 45.4#

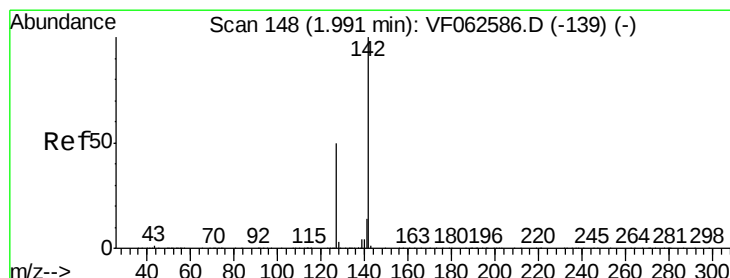
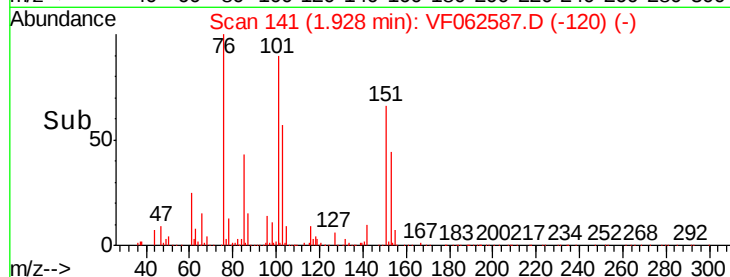
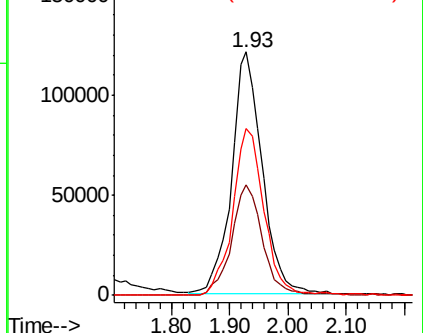
151 68.5 54.5 81.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 64.100 ug/l

RT: 2.01 min Scan# 149

Delta R.T. 0.02 min

Lab File: VF062587.D

Acq: 14 May 2019 17:20

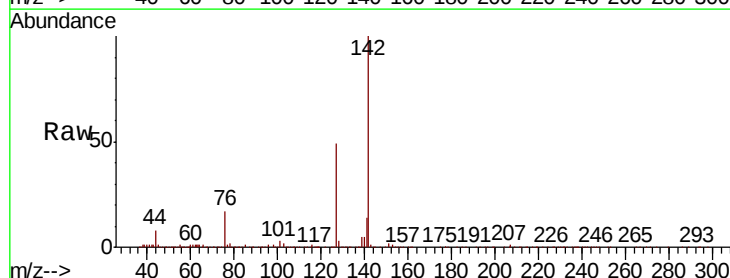
Tgt Ion:142 Resp: 752069

Ion Ratio Lower Upper

142 100

127 48.9 40.2 60.4

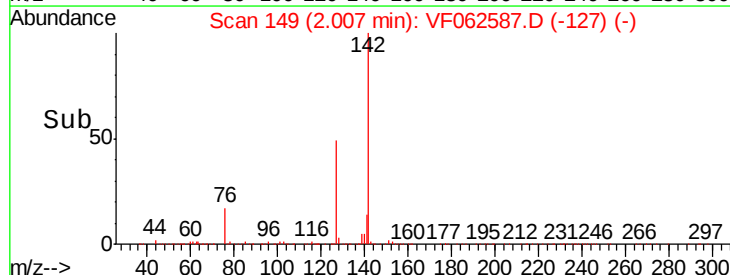
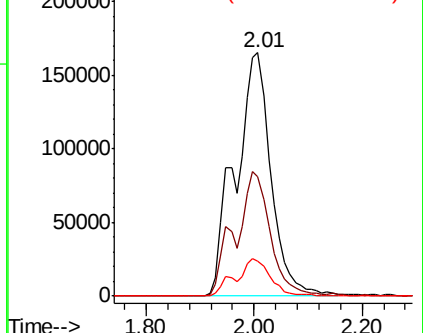
141 14.2 11.6 17.4

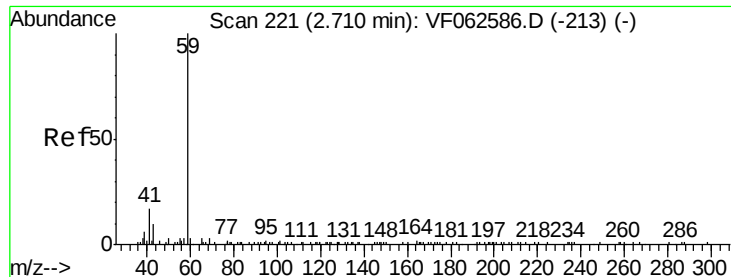


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



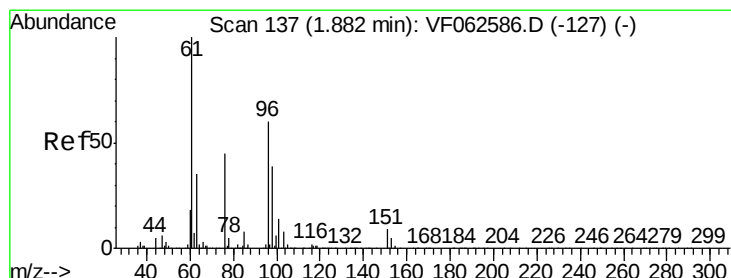
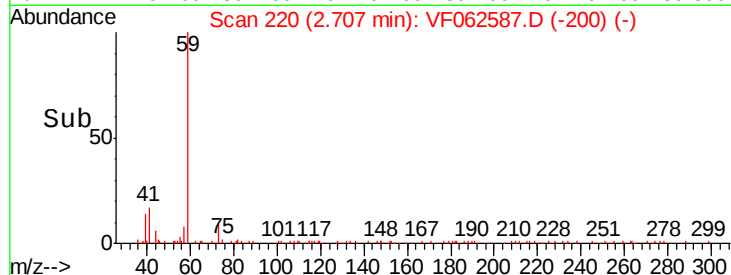
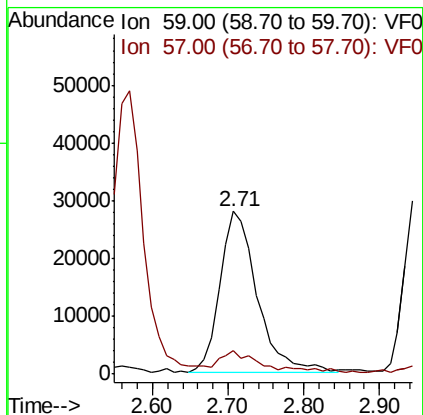
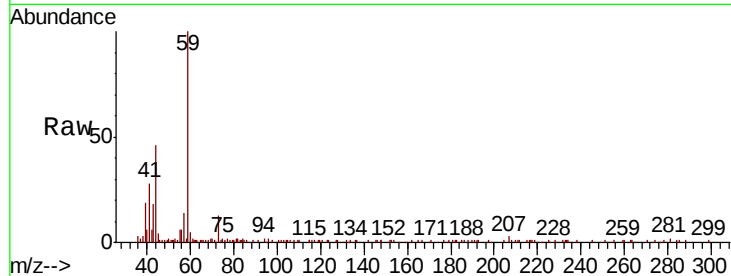


#11

Tert butyl alcohol
Concen: 307.337 ug/l
RT: 2.71 min Scan# 220
Delta R.T. -0.00 min
Lab File: VF062587.D
Acq: 14 May 2019 17:20

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

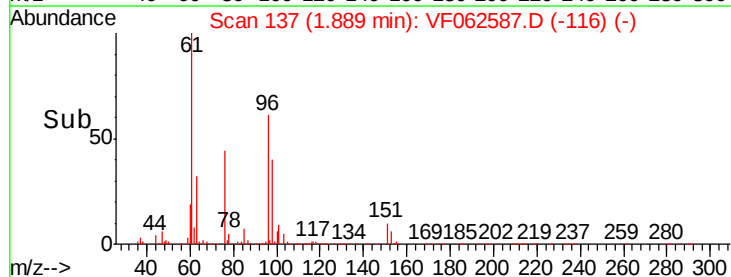
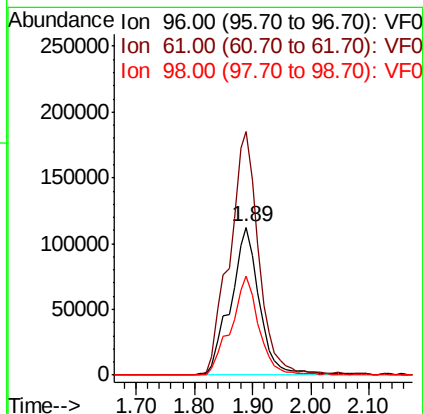
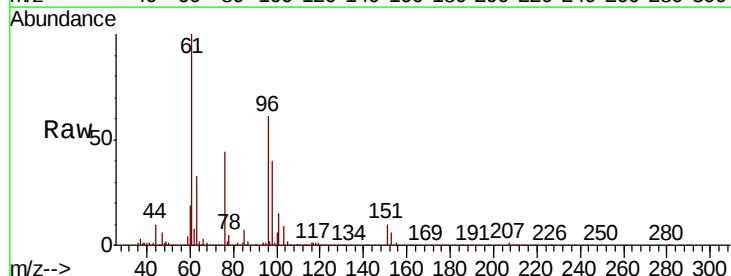
Tot Ion: 59 Resp: 95860
Ion Ratio Lower Upper
59 100
57 14.1 8.0 12.0#

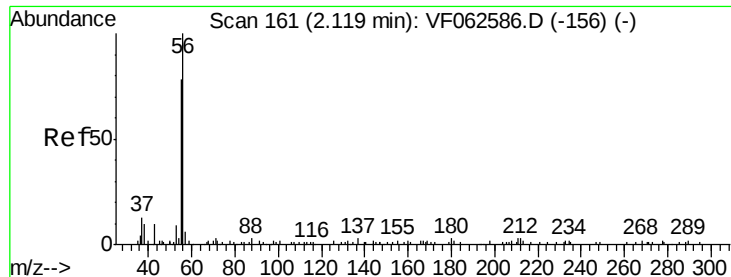


#12

1,1-Dichloroethene
Concen: 61.089 ug/l
RT: 1.89 min Scan# 137
Delta R.T. 0.01 min
Lab File: VF062587.D
Acq: 14 May 2019 17:20

Tgt Ion: 96 Resp: 382372
Ion Ratio Lower Upper
96 100
61 164.6 132.0 198.0
98 66.5 51.3 76.9





#13

Acrolein

Concen: 157.806 ug/l

RT: 2.12 min Scan# 160

Delta R.T. -0.00 min

Lab File: VF062587.D

Acq: 14 May 2019 17:20

Instrument :

MSVOA_F

ClientSampleId :

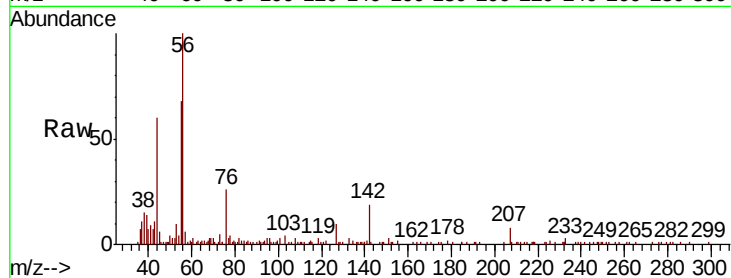
VSTDIC075

Tot Ion: 56 Resp: 47529

Ion Ratio Lower Upper

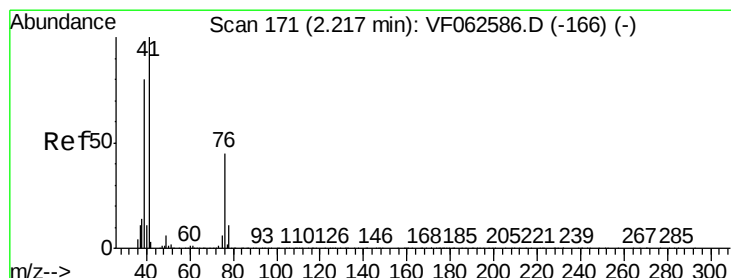
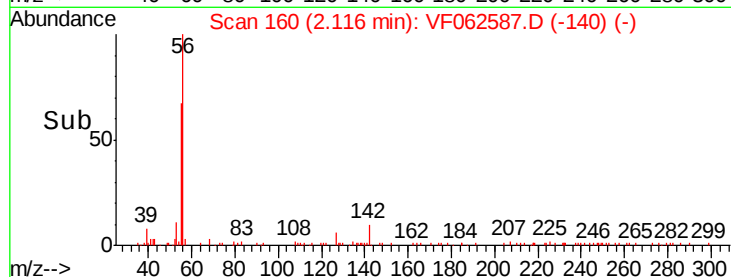
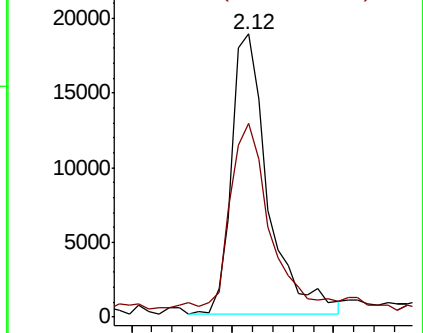
56 100

55 68.3 64.6 96.8



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#14

Allyl chloride

Concen: 59.363 ug/l

RT: 2.21 min Scan# 170

Delta R.T. -0.00 min

Lab File: VF062587.D

Acq: 14 May 2019 17:20

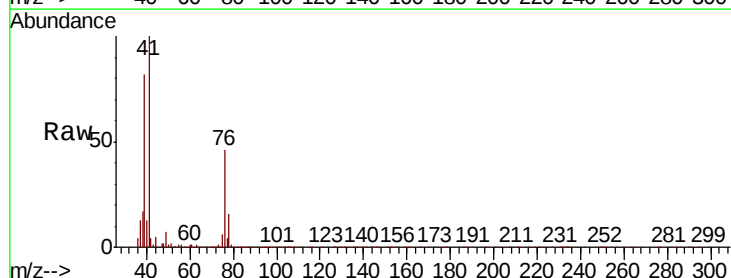
Tgt Ion: 41 Resp: 469534

Ion Ratio Lower Upper

41 100

39 82.5 64.6 96.8

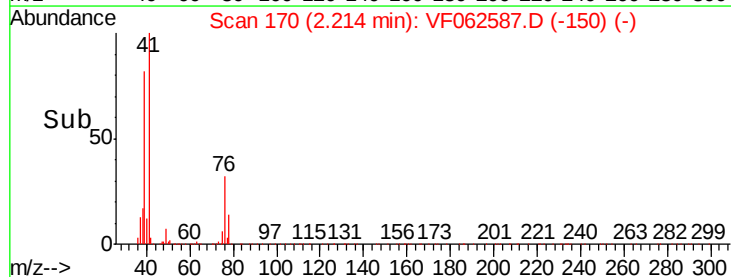
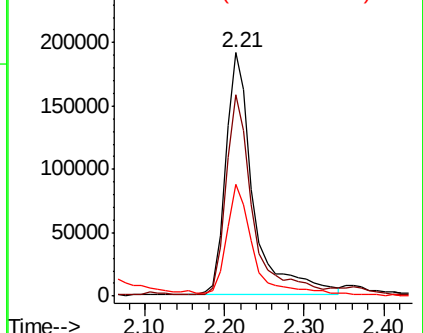
76 46.0 36.1 54.1

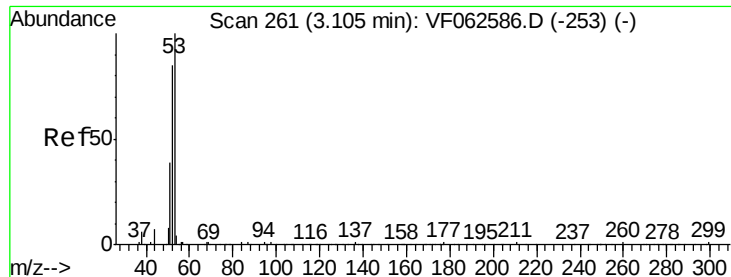


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0

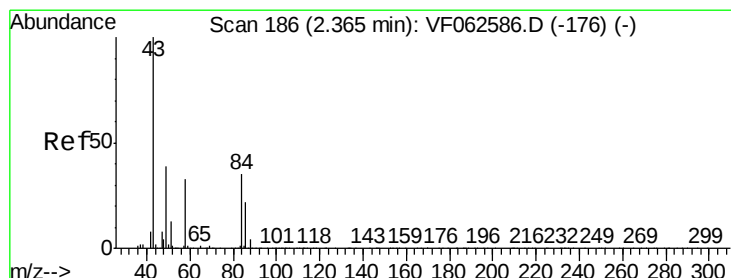
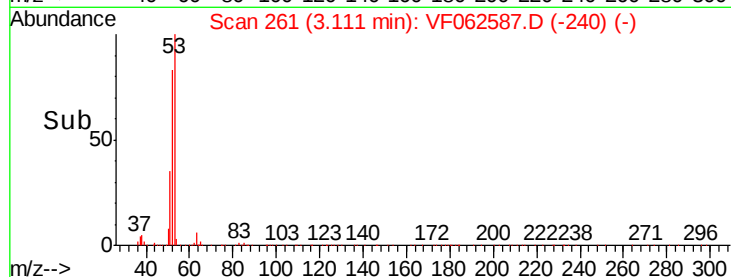
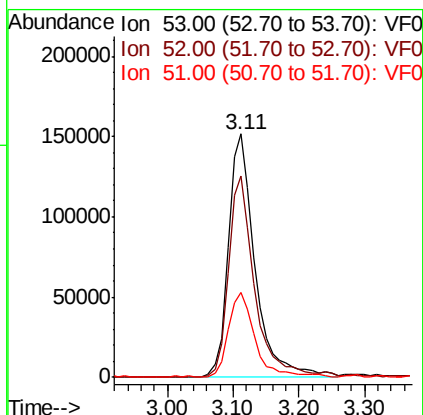
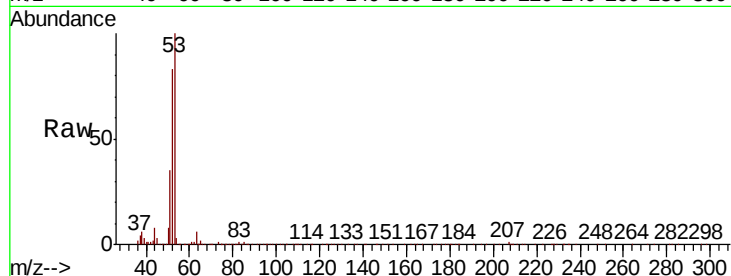




#15
 Acrylonitrile
 Concen: 459.508 ug/l
 RT: 3.11 min Scan# 261
 Delta R.T. 0.01 min
 Lab File: VF062587.D
 Acq: 14 May 2019 17:20

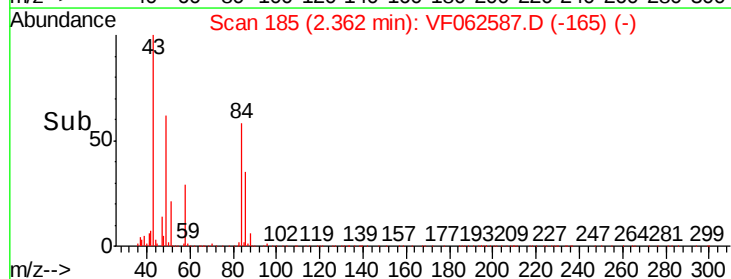
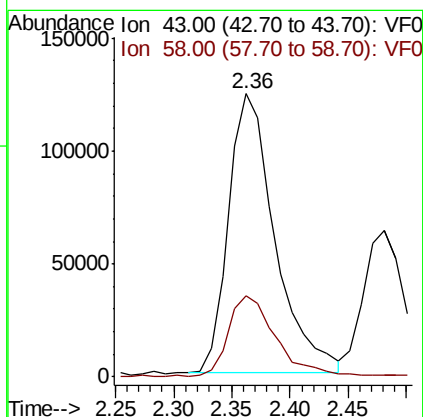
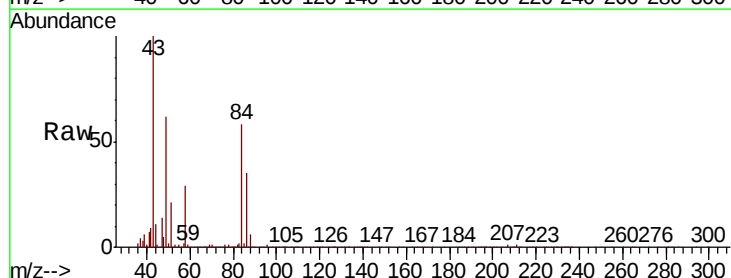
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

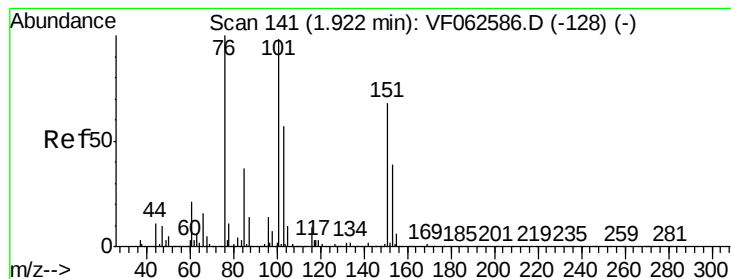
Tot Ion: 53 Resp: 428671
 Ion Ratio Lower Upper
 53 100
 52 82.6 68.3 102.5
 51 35.0 31.5 47.3



#16
 Acetone
 Concen: 266.982 ug/l
 RT: 2.36 min Scan# 185
 Delta R.T. -0.00 min
 Lab File: VF062587.D
 Acq: 14 May 2019 17:20

Tgt Ion: 43 Resp: 342793
 Ion Ratio Lower Upper
 43 100
 58 28.7 26.7 40.1





#17

Carbon Disulfide

Concen: 45.466 ug/l

RT: 1.92 min Scan# 140

Delta R.T. -0.00 min

Lab File: VF062587.D

Acq: 14 May 2019 17:20

Instrument :

MSVOA_F

ClientSampleId :

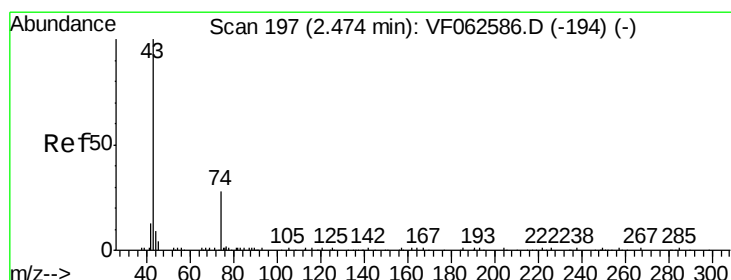
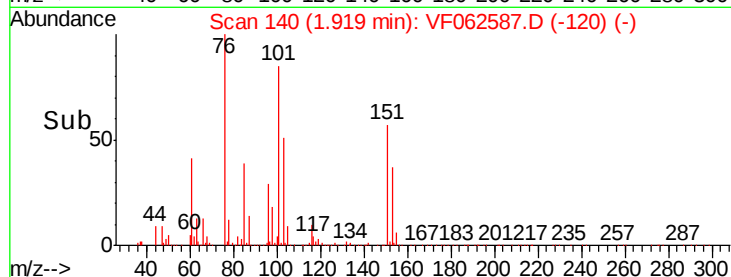
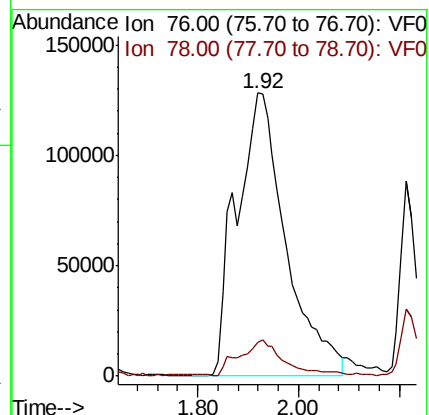
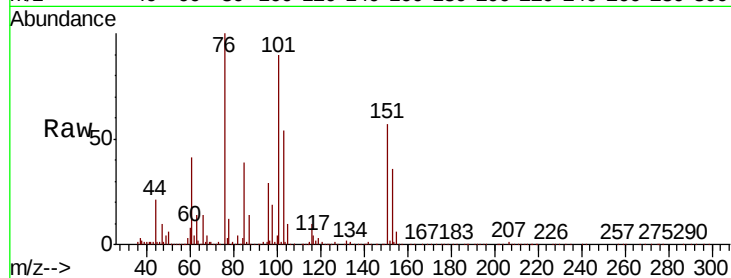
VSTDIC075

Tot Ion: 76 Resp: 872194

Ion Ratio Lower Upper

76 100

78 12.1 9.0 13.4



#18

Methyl Acetate

Concen: 47.757 ug/l

RT: 2.48 min Scan# 197

Delta R.T. 0.01 min

Lab File: VF062587.D

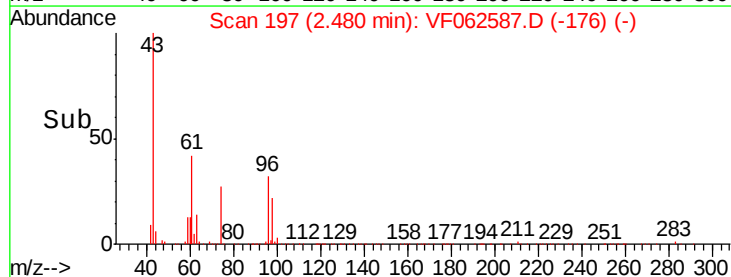
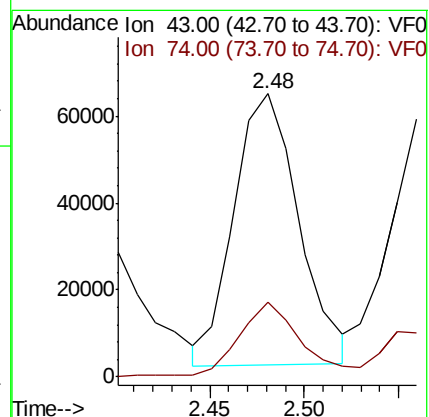
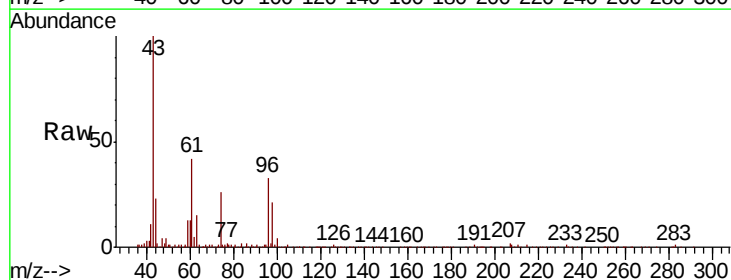
Acq: 14 May 2019 17:20

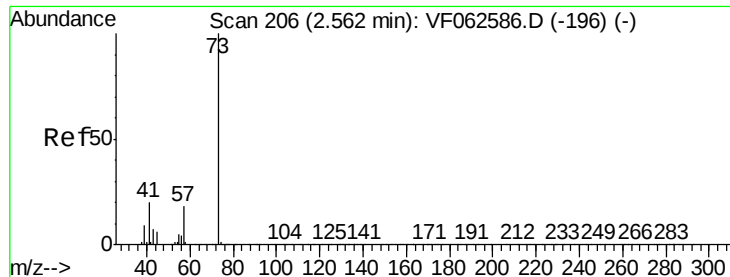
Tgt Ion: 43 Resp: 148565

Ion Ratio Lower Upper

43 100

74 26.5 21.4 32.0



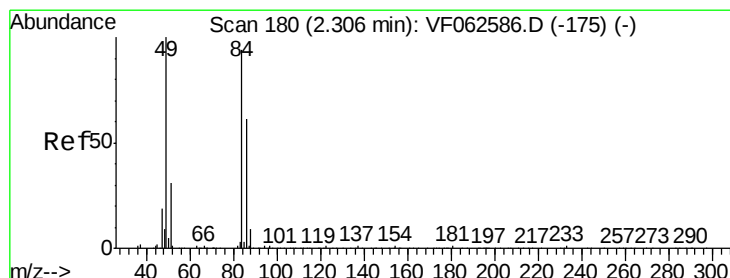
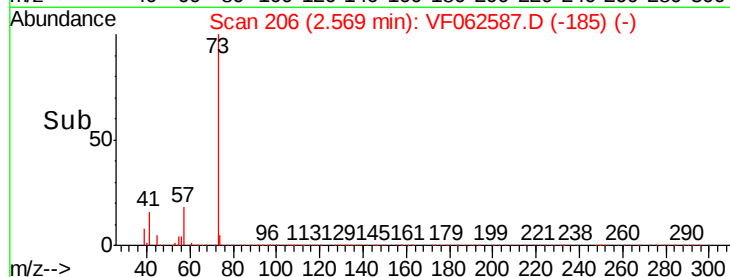
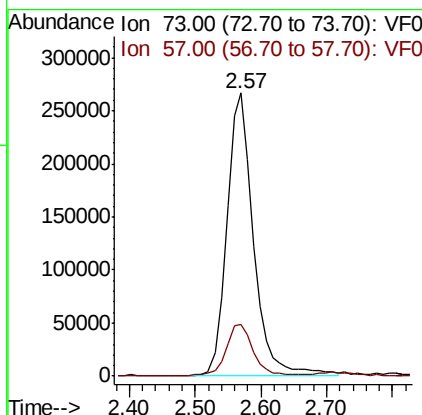
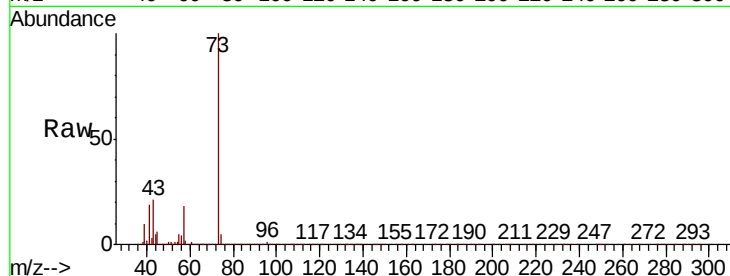


#19

Methyl tert-butyl Ether
 Concen: 66.288 ug/l
 RT: 2.57 min Scan# 206
 Delta R.T. 0.01 min
 Lab File: VF062587.D
 Acq: 14 May 2019 17:20

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

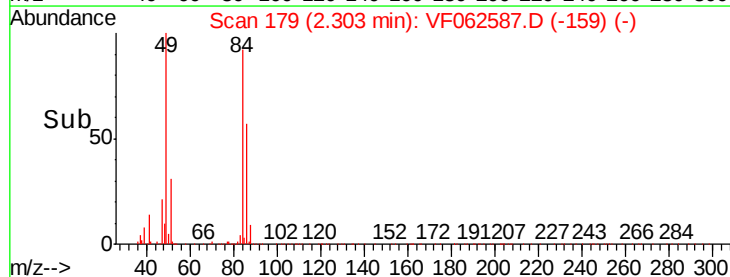
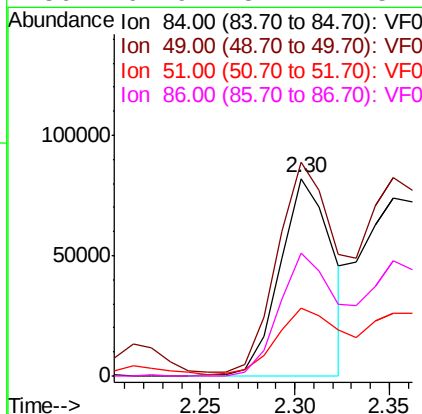
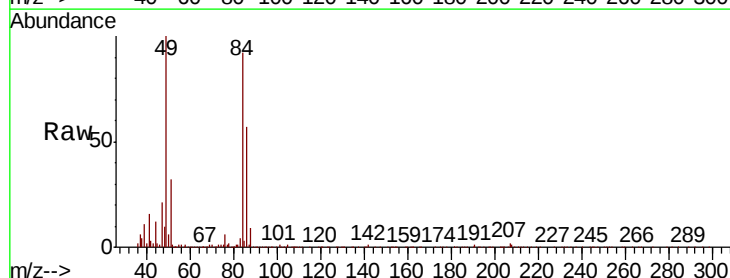
Tot Ion: 73 Resp: 750411
 Ion Ratio Lower Upper
 73 100
 57 18.4 14.6 22.0

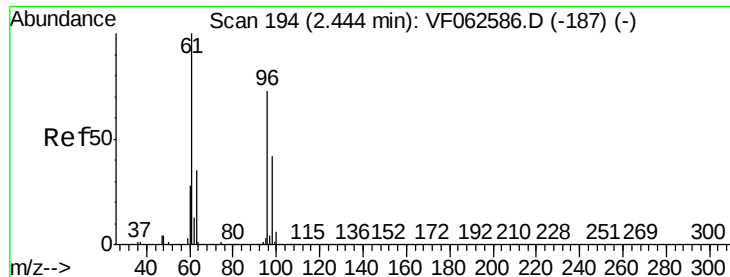


#20

Methylene Chloride
 Concen: 20.896 ug/l
 RT: 2.30 min Scan# 179
 Delta R.T. -0.00 min
 Lab File: VF062587.D
 Acq: 14 May 2019 17:20

Tgt Ion: 84 Resp: 157040
 Ion Ratio Lower Upper
 84 100
 49 108.1 86.9 130.3
 51 34.1 27.0 40.6
 86 61.9 52.2 78.2





#21

trans-1,2-Dichloroethene

Concen: 65.357 ug/l

RT: 2.44 min Scan# 193

Delta R.T. -0.00 min

Lab File: VF062587.D

Acq: 14 May 2019 17:20

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

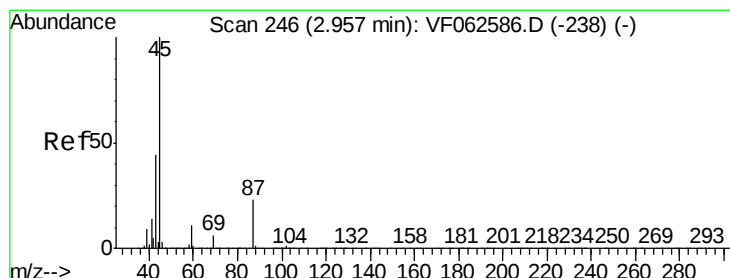
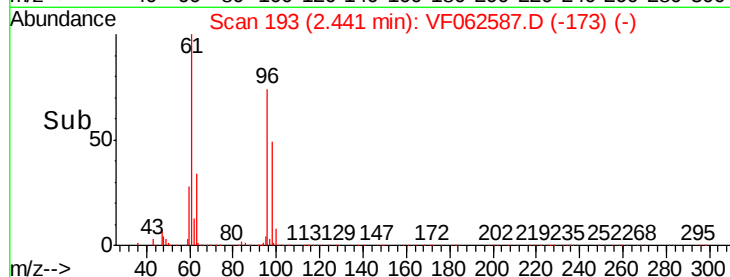
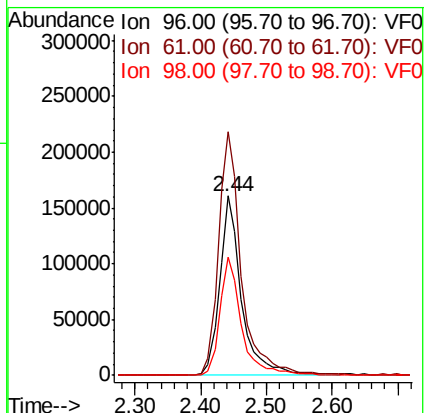
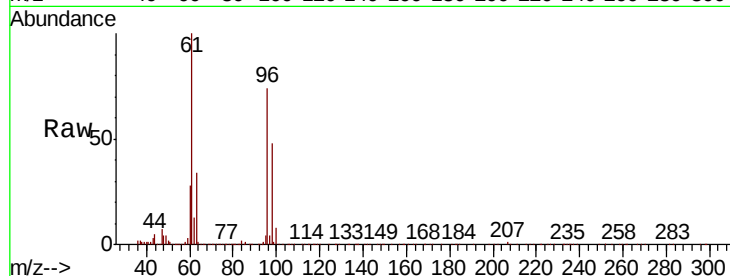
Tot Ion: 96 Resp: 368038

Ion Ratio Lower Upper

96 100

61 136.0 109.2 163.8

98 65.9 46.3 69.5



#22

Diisopropyl ether

Concen: 52.784 ug/l

RT: 2.95 min Scan# 245

Delta R.T. -0.00 min

Lab File: VF062587.D

Acq: 14 May 2019 17:20

Tgt Ion: 45 Resp: 964602

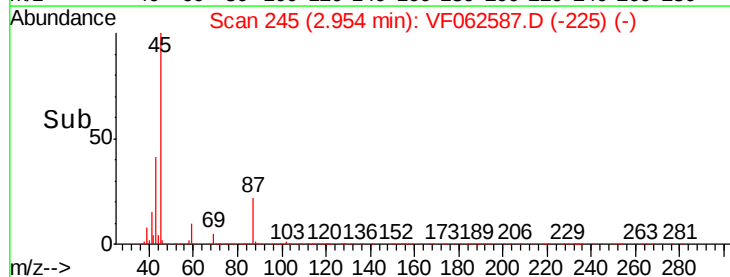
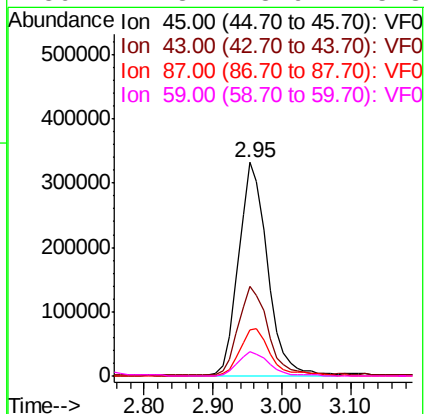
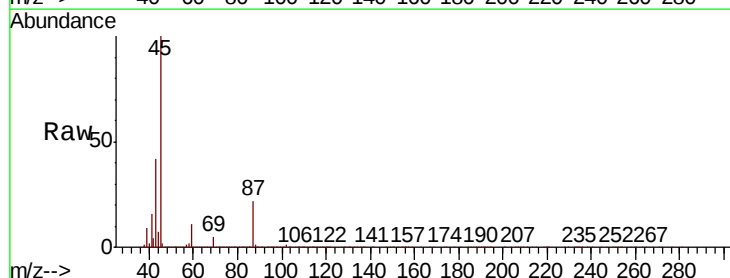
Ion Ratio Lower Upper

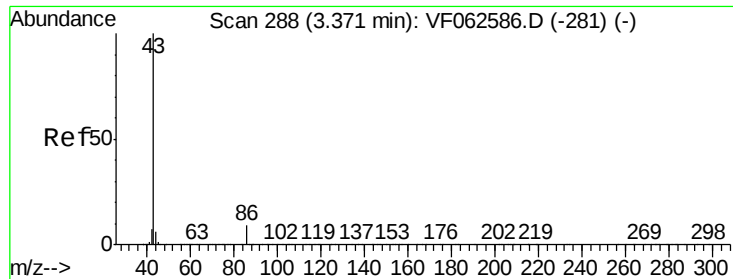
45 100

43 42.2 35.4 53.0

87 21.7 18.4 27.6

59 11.3 8.9 13.3





#23

Vinyl Acetate

Concen: 299.857 ug/l

RT: 3.37 min Scan# 287

Delta R.T. -0.00 min

Lab File: VF062587.D

Acq: 14 May 2019 17:20

Instrument :

MSVOA_F

ClientSampleId :

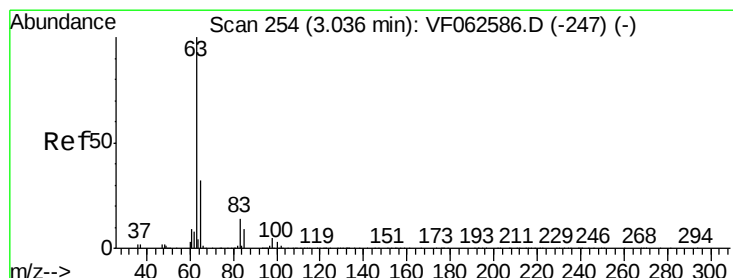
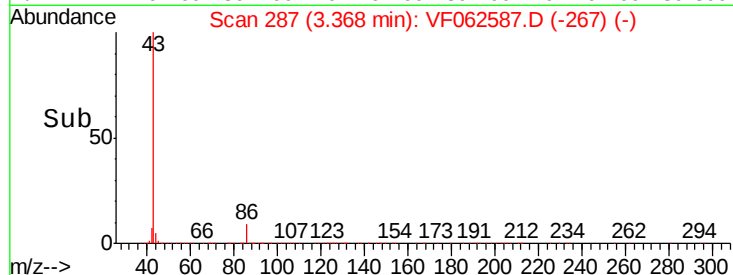
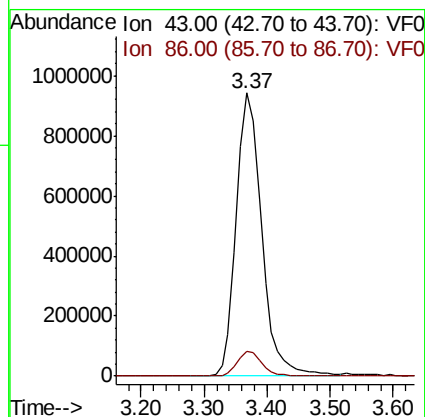
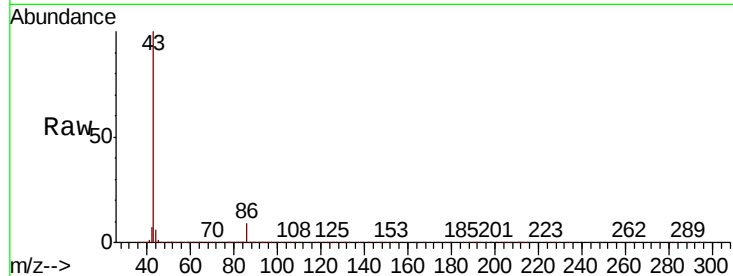
VSTDIC075

Tot Ion: 43 Resp: 2634365

Ion Ratio Lower Upper

43 100

86 8.6 7.1 10.7



#24

1,1-Dichloroethane

Concen: 62.637 ug/l

RT: 3.04 min Scan# 254

Delta R.T. 0.01 min

Lab File: VF062587.D

Acq: 14 May 2019 17:20

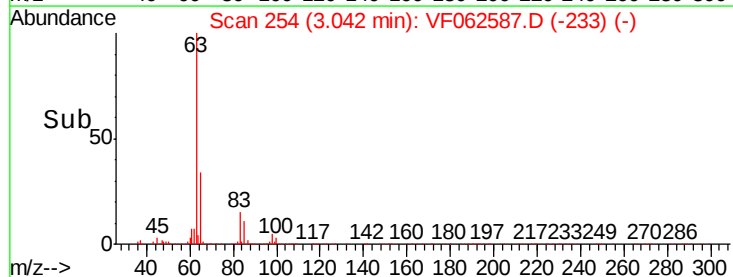
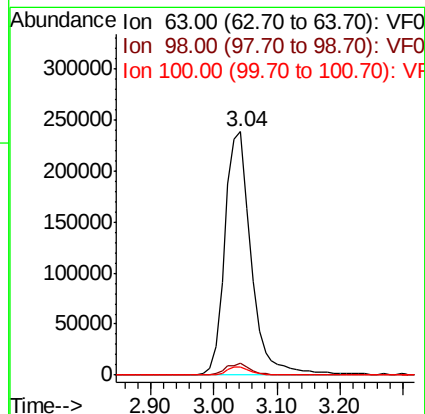
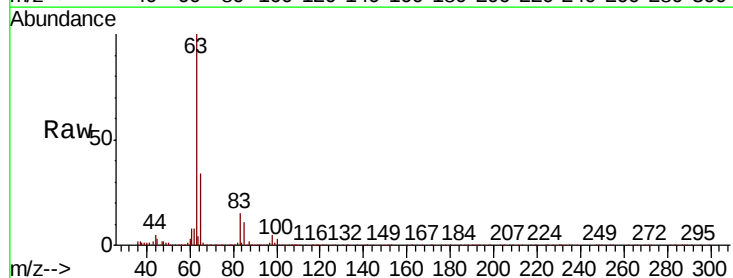
Tgt Ion: 63 Resp: 691807

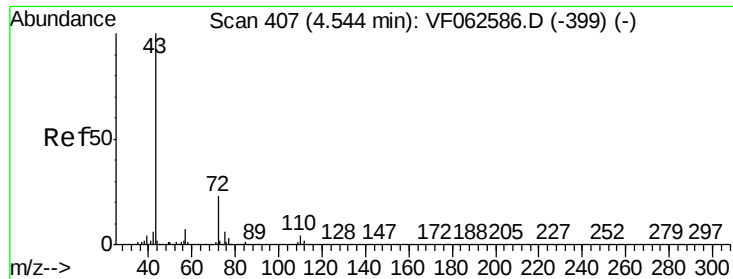
Ion Ratio Lower Upper

63 100

98 5.0 2.6 7.8

100 3.4 1.7 5.1

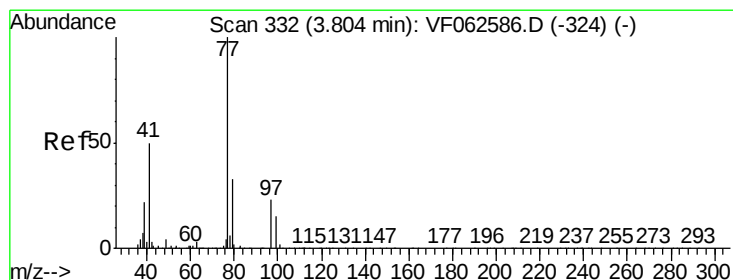
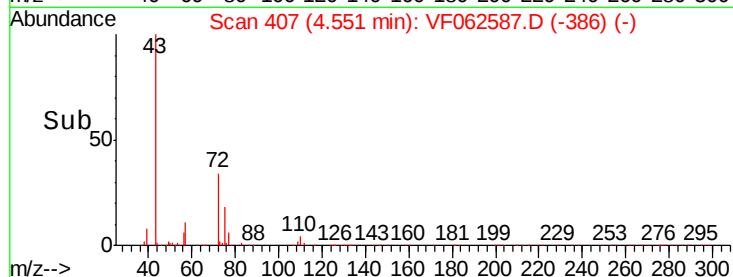
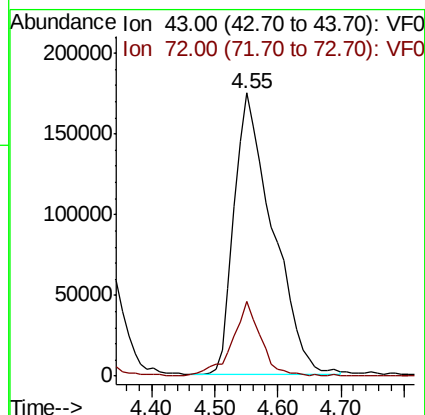
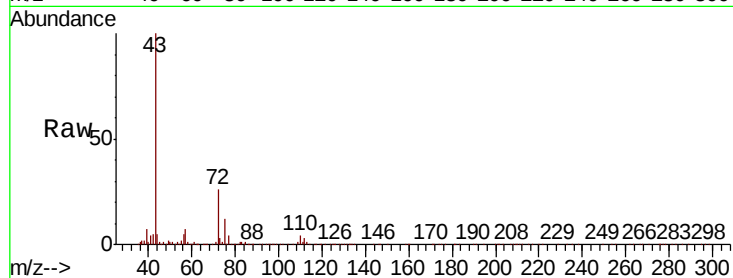




#25
2-Butanone
Concen: 305.770 ug/l
RT: 4.55 min Scan# 407
Delta R.T. 0.01 min
Lab File: VF062587.D
Acq: 14 May 2019 17:20

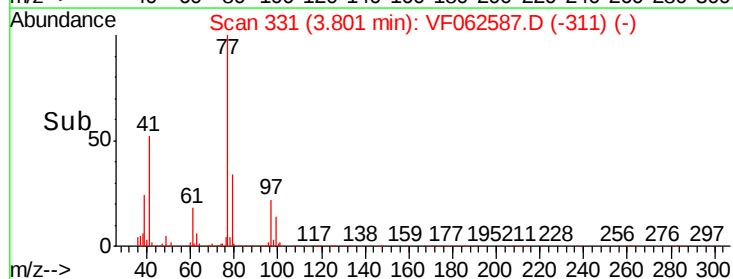
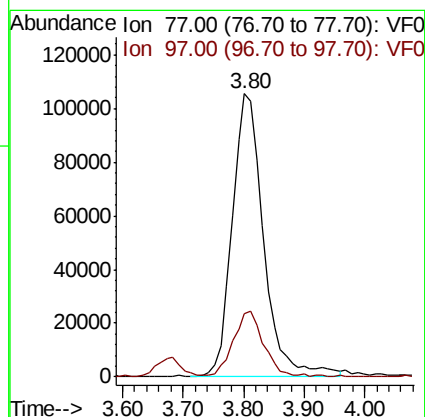
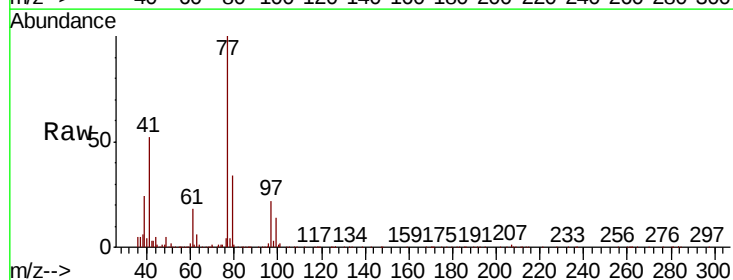
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

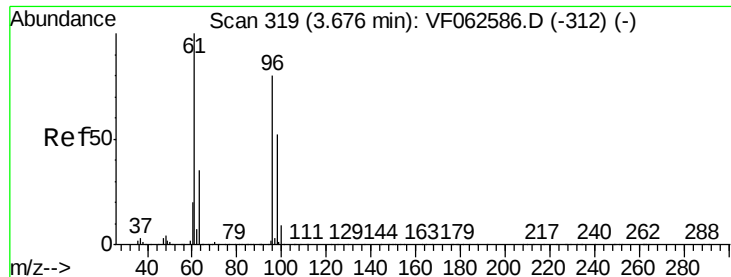
Tot Ion: 43 Resp: 736589
Ion Ratio Lower Upper
43 100
72 26.2 18.5 27.7



#26
2,2-Dichloropropane
Concen: 64.246 ug/l
RT: 3.80 min Scan# 331
Delta R.T. -0.00 min
Lab File: VF062587.D
Acq: 14 May 2019 17:20

Tgt Ion: 77 Resp: 376796
Ion Ratio Lower Upper
77 100
97 22.1 12.0 36.0



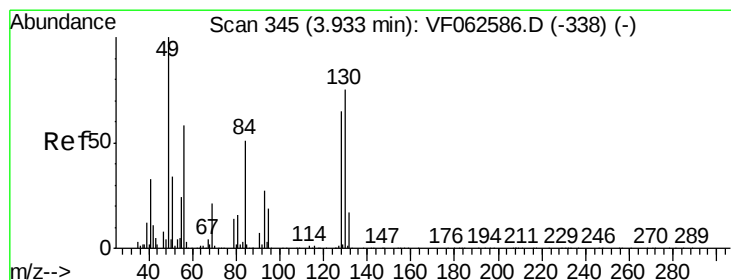
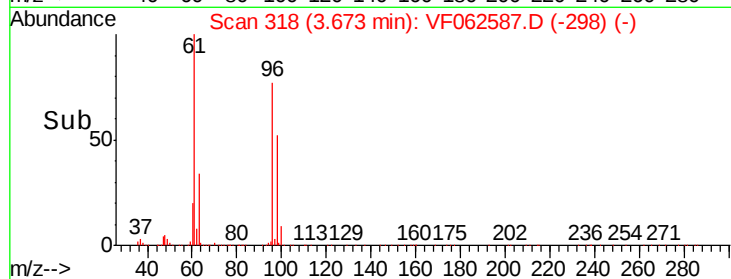
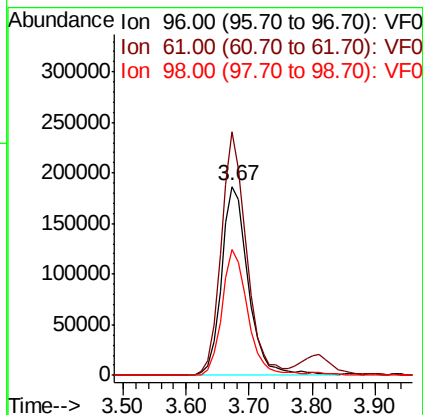
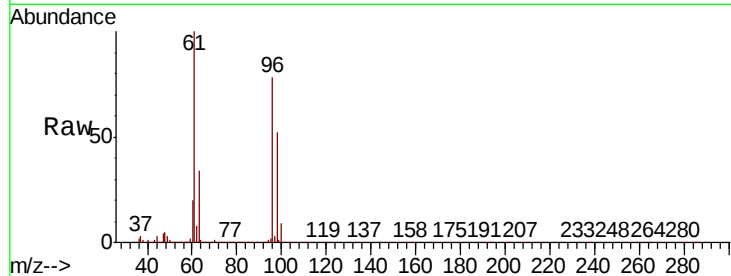


#27

cis-1,2-Dichloroethene
Concen: 73.364 ug/l
RT: 3.67 min Scan# 318
Delta R.T. -0.00 min
Lab File: VF062587.D
Acq: 14 May 2019 17:20

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

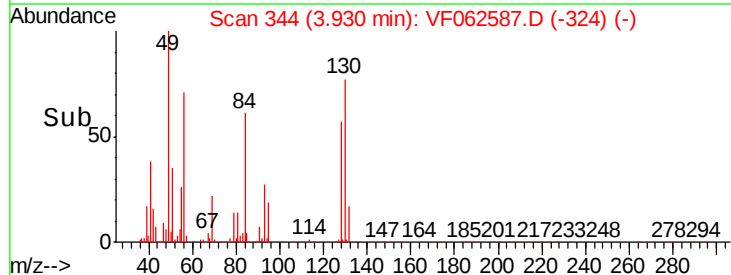
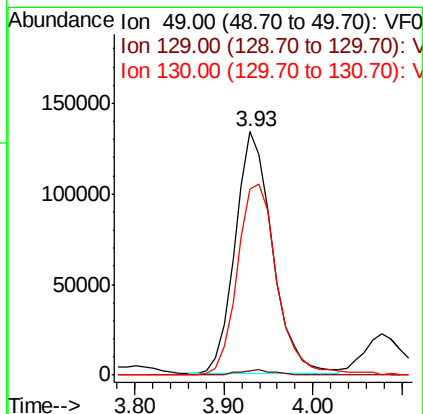
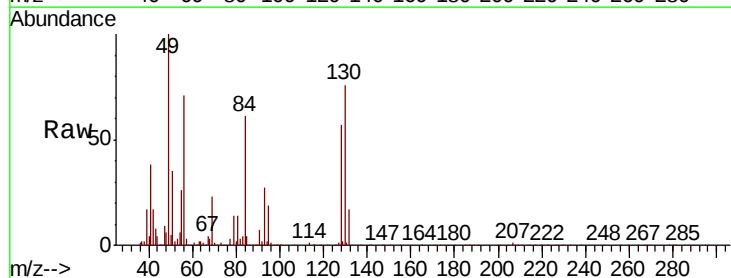
Tot Ion	Ratio	Lower	Upper
96	100		
61	128.8	0.0	251.4
98	66.9	0.0	129.8

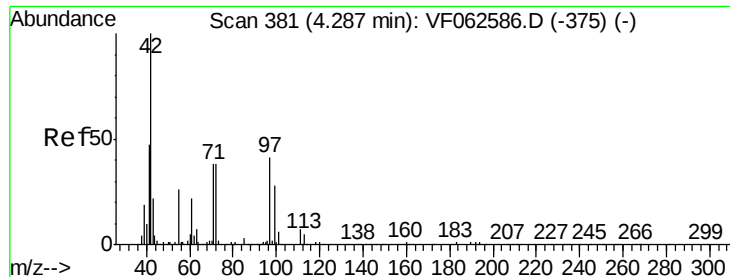


#28

Bromochloromethane
Concen: 78.508 ug/l
RT: 3.93 min Scan# 344
Delta R.T. -0.00 min
Lab File: VF062587.D
Acq: 14 May 2019 17:20

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	4.0
130	76.4	59.7	89.5

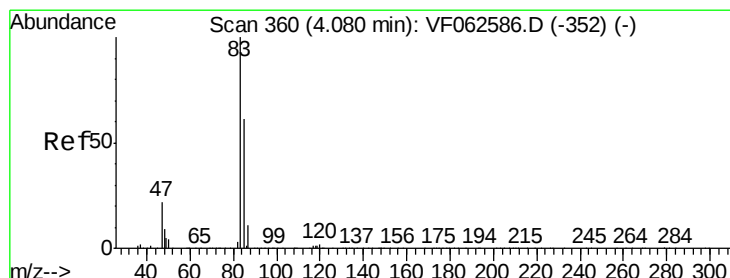
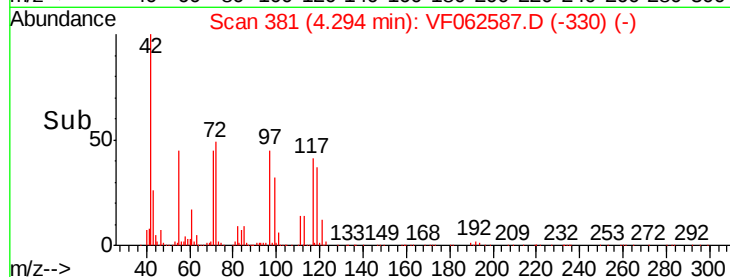
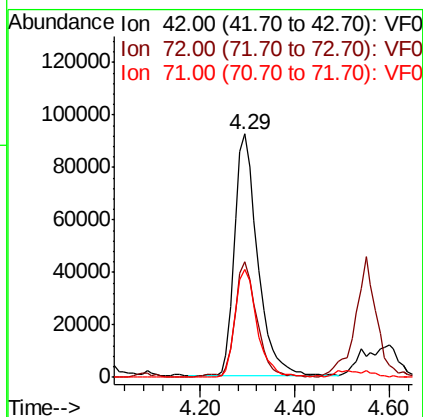
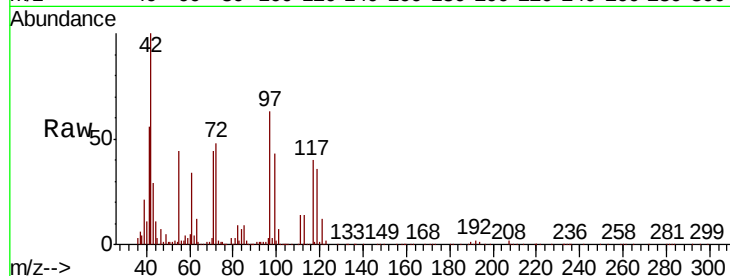




#29
Tetrahydrofuran
Concen: 302.999 ug/l
RT: 4.29 min Scan# 381
Delta R.T. 0.01 min
Lab File: VF062587.D
Acq: 14 May 2019 17:20

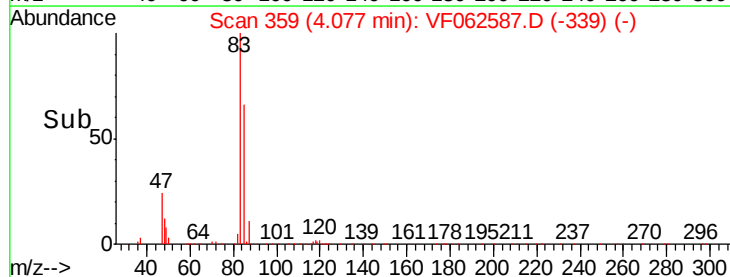
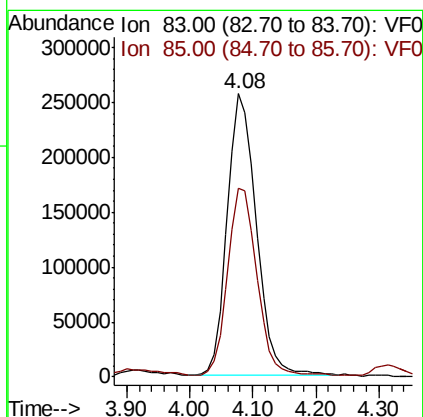
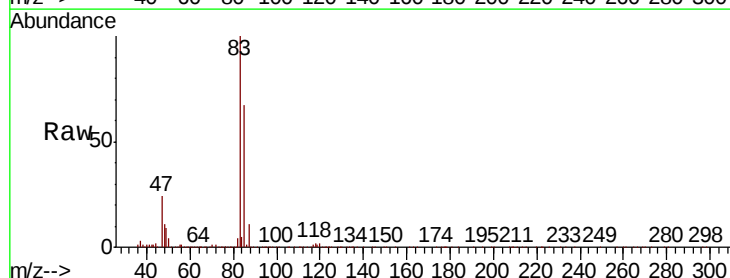
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

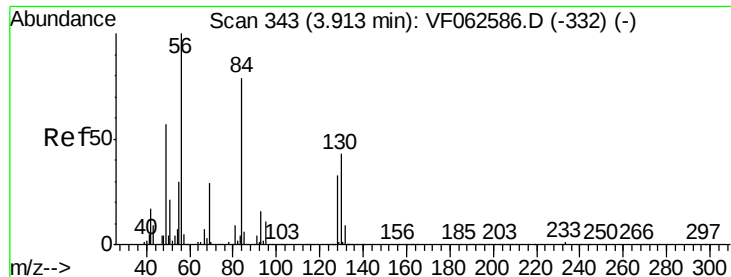
Tot Ion	Ratio	Lower	Upper
42	100		
72	45.3	34.0	51.0
71	43.0	32.8	49.2



#30
Chloroform
Concen: 61.718 ug/l
RT: 4.08 min Scan# 359
Delta R.T. -0.00 min
Lab File: VF062587.D
Acq: 14 May 2019 17:20

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.7	48.7	73.1

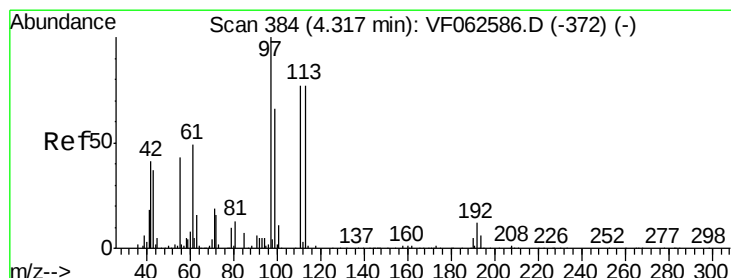
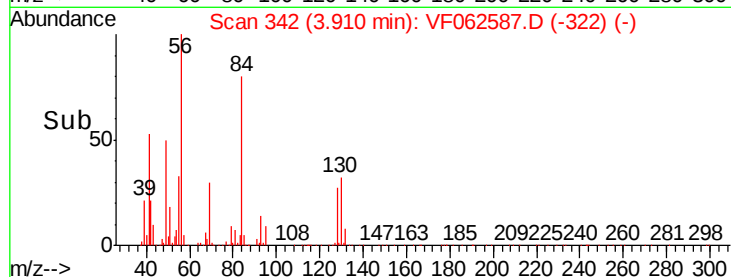
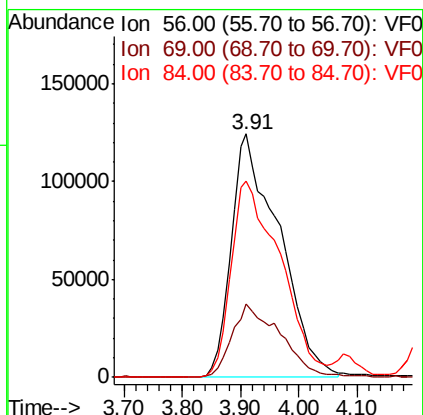
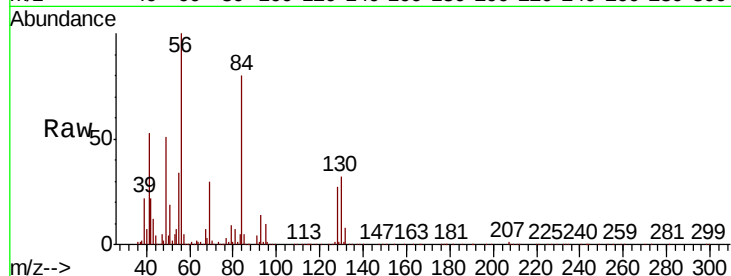




#31
Cyclohexane
Concen: 65.115 ug/l
RT: 3.91 min Scan# 342
Delta R.T. -0.00 min
Lab File: VF062587.D
Acq: 14 May 2019 17:20

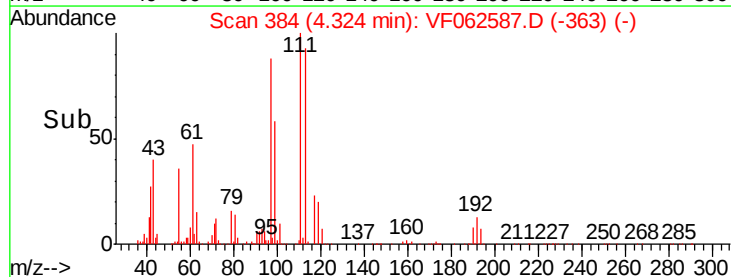
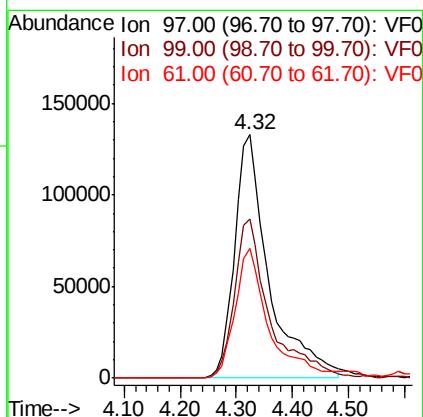
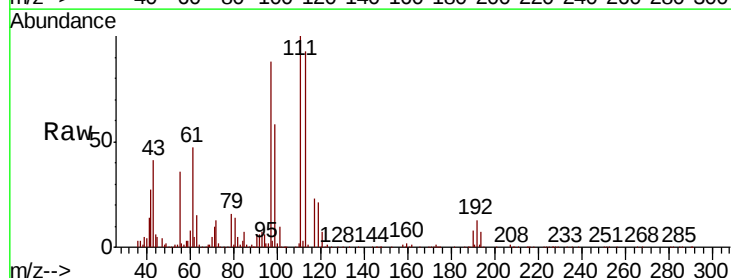
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

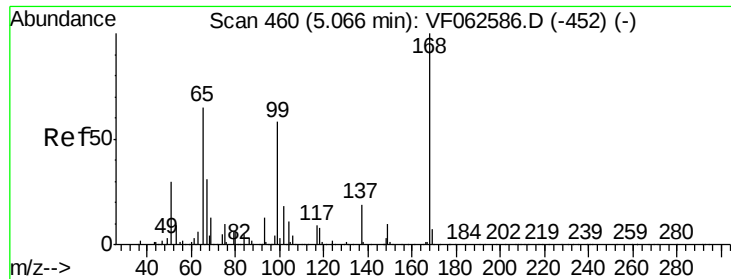
Tot Ion: 56 Resp: 709604
Ion Ratio Lower Upper
56 100
69 30.0 22.9 34.3
84 80.5 63.4 95.2



#32
1,1,1-Trichloroethane
Concen: 64.471 ug/l
RT: 4.32 min Scan# 384
Delta R.T. 0.01 min
Lab File: VF062587.D
Acq: 14 May 2019 17:20

Tgt Ion: 97 Resp: 565613
Ion Ratio Lower Upper
97 100
99 65.6 53.4 80.0
61 53.5 38.9 58.3





#33

1,2-Dichloroethane-d4

Concen: 49.592 ug/l

RT: 5.06 min Scan# 459

Delta R.T. -0.00 min

Lab File: VF062587.D

Acq: 14 May 2019 17:20

Instrument :

MSVOA_F

ClientSampleId :

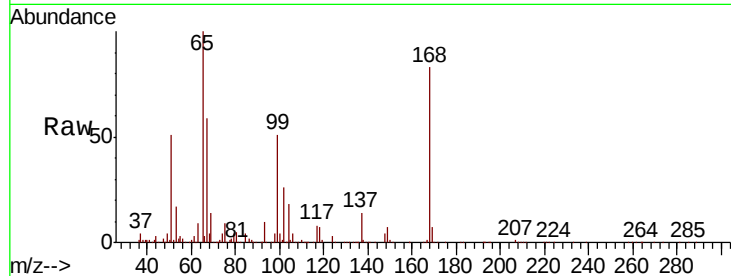
VSTDIC075

Tot Ion: 65 Resp: 329765

Ion Ratio Lower Upper

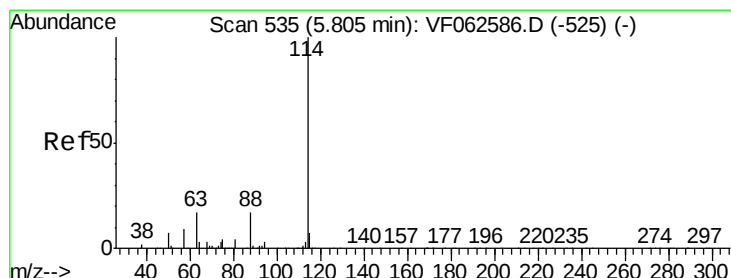
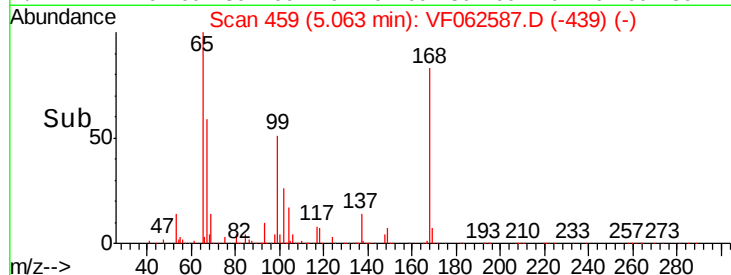
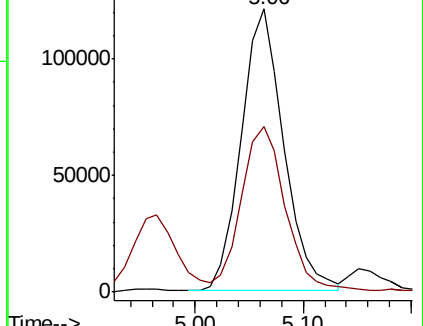
65 100

67 58.7 0.0 116.6



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. -0.00 min

Lab File: VF062587.D

Acq: 14 May 2019 17:20

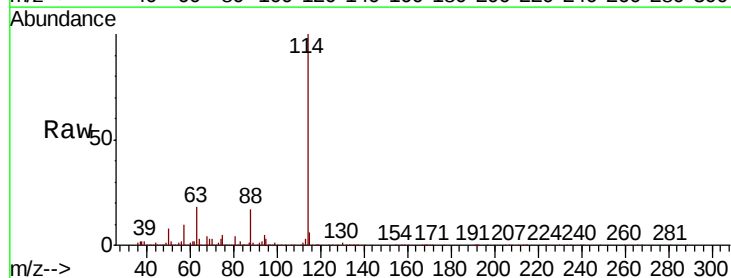
Tgt Ion: 114 Resp: 1048582

Ion Ratio Lower Upper

114 100

63 17.9 0.0 34.6

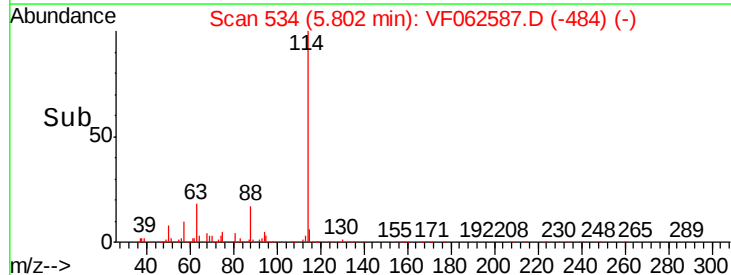
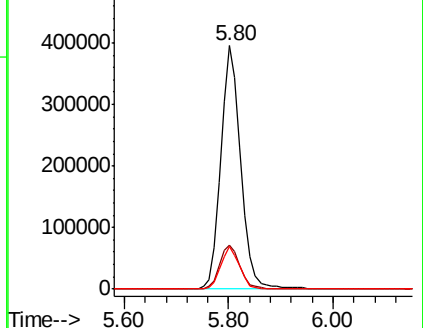
88 17.5 0.0 33.6

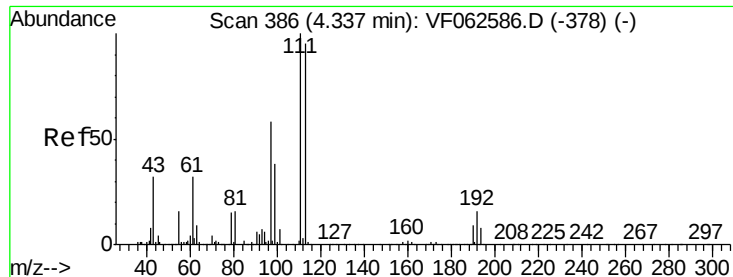


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

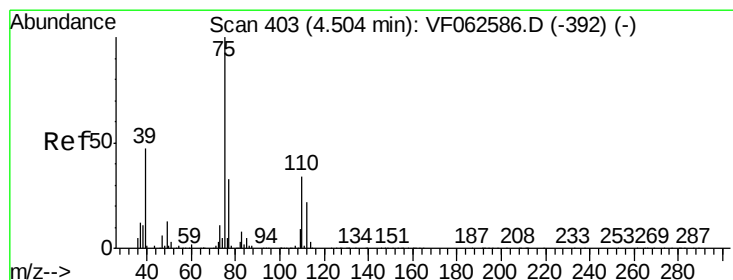
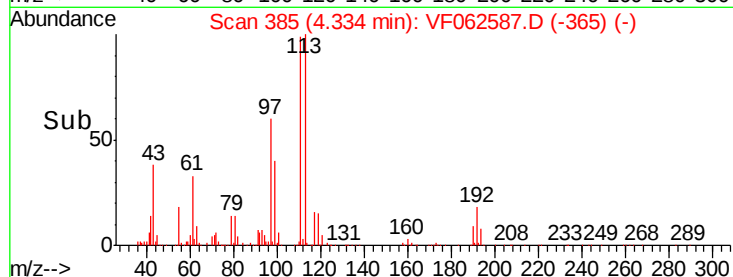
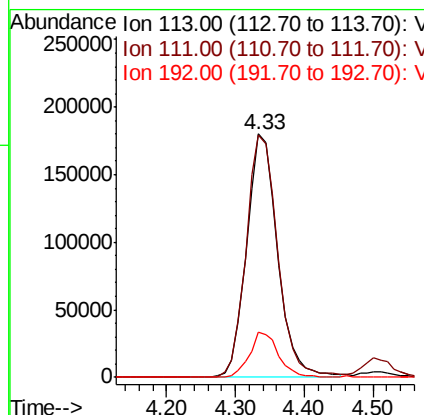
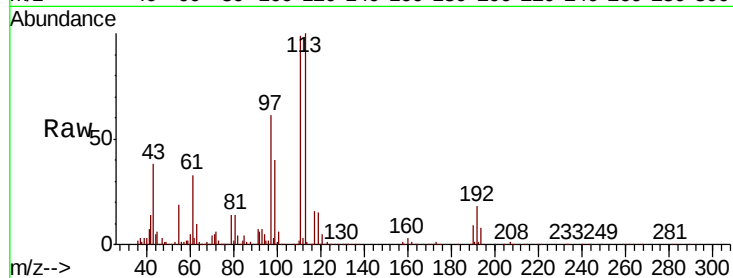




#35
 Dibromofluoromethane
 Concen: 72.356 ug/l
 RT: 4.33 min Scan# 385
 Delta R.T. -0.00 min
 Lab File: VF062587.D
 Acq: 14 May 2019 17:20

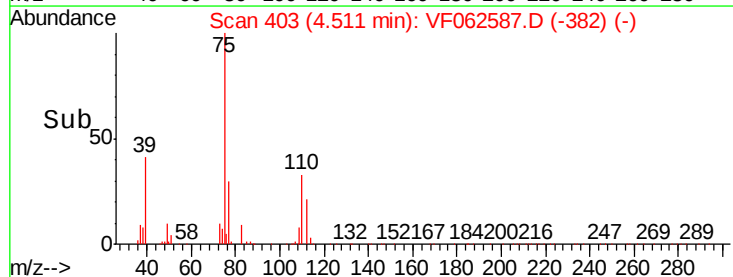
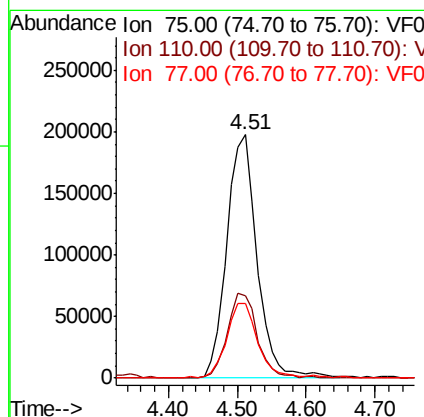
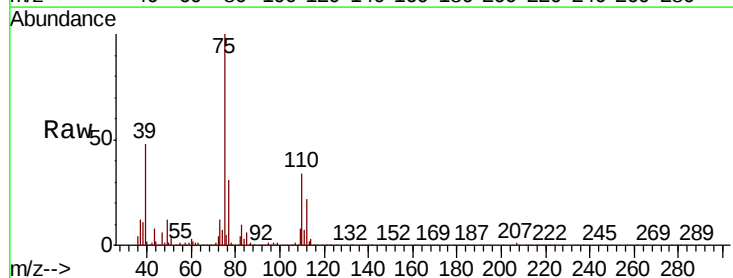
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

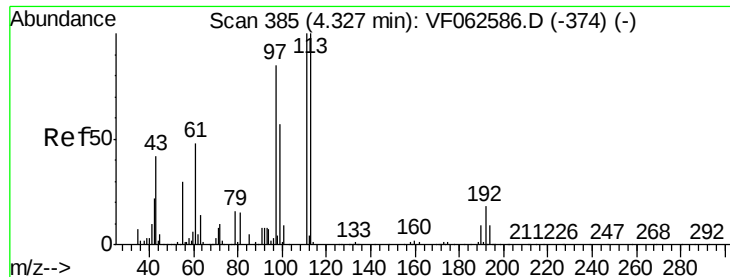
Tot Ion	Ratio	Lower	Upper
113	100		
111	99.5	83.9	125.9
192	18.7	13.7	20.5



#36
 1,1-Dichloropropene
 Concen: 53.411 ug/l
 RT: 4.51 min Scan# 403
 Delta R.T. 0.01 min
 Lab File: VF062587.D
 Acq: 14 May 2019 17:20

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.8	17.3	51.7
77	30.6	26.4	39.6





#37

Ethyl Acetate

Concen: 49.394 ug/l

RT: 4.33 min Scan# 385

Delta R.T. 0.01 min

Lab File: VF062587.D

Acq: 14 May 2019 17:20

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

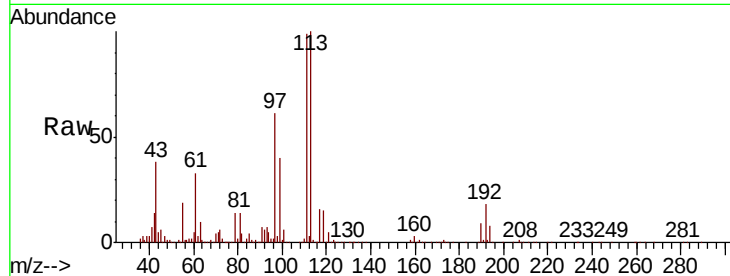
Tot Ion: 43 Resp: 259110

Ion Ratio Lower Upper

43 100

61 87.0 88.6 132.8#

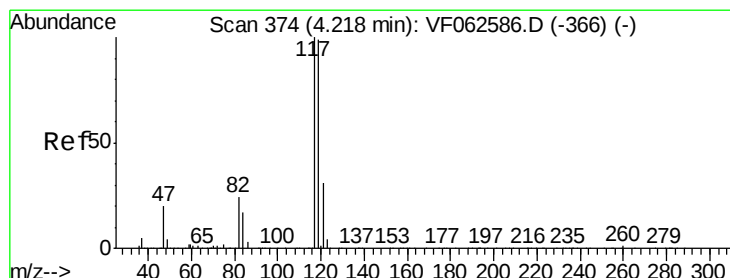
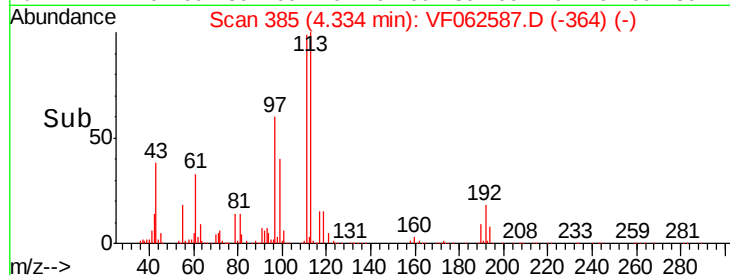
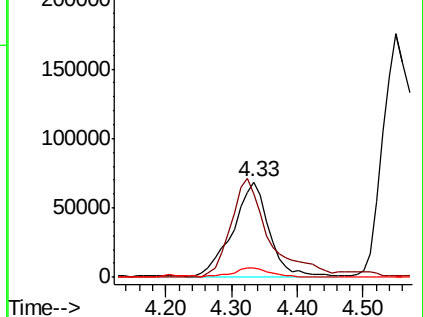
70 10.4 8.3 12.5



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: 57.021 ug/l

RT: 4.22 min Scan# 373

Delta R.T. -0.00 min

Lab File: VF062587.D

Acq: 14 May 2019 17:20

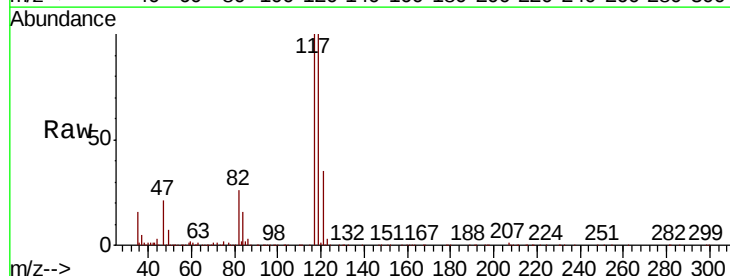
Tgt Ion: 117 Resp: 498960

Ion Ratio Lower Upper

117 100

119 100.1 79.0 118.6

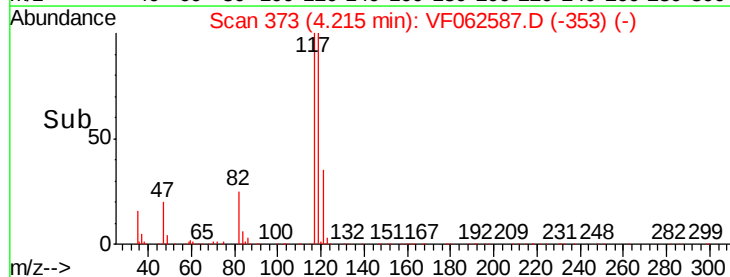
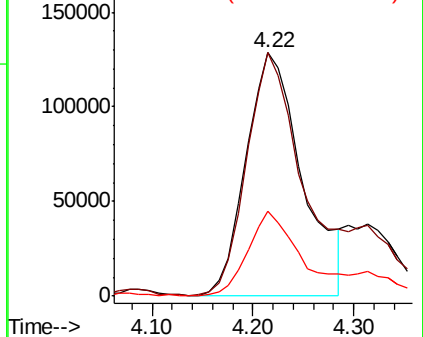
121 34.8 25.0 37.6

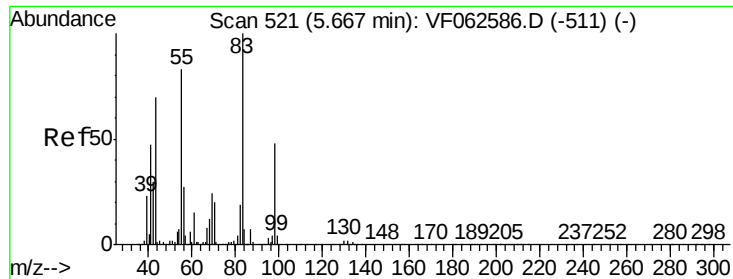


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V

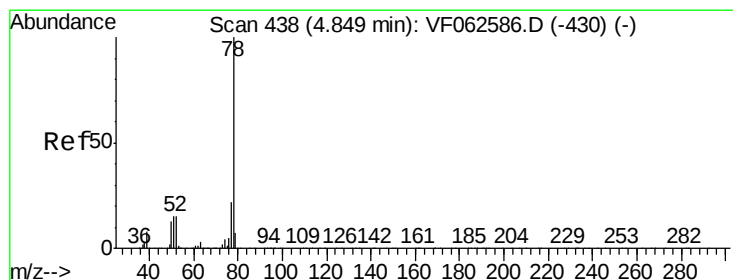
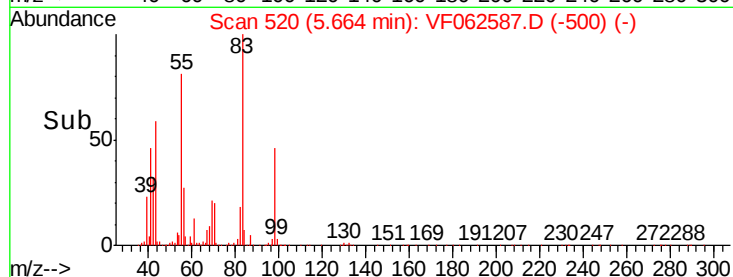
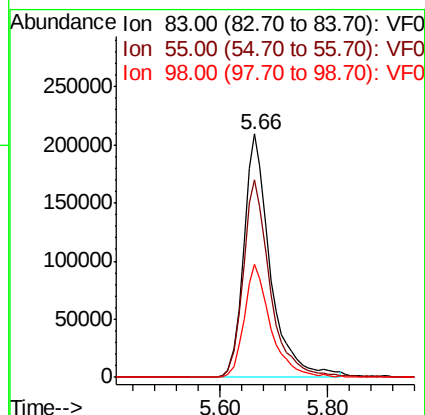
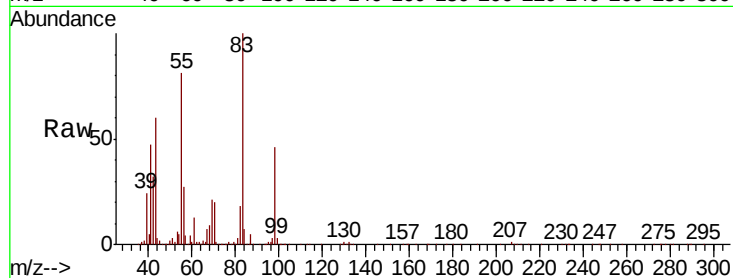




#39
Methvlcvclohexane
Concen: 61.948 ug/l
RT: 5.66 min Scan# 520
Delta R.T. -0.00 min
Lab File: VF062587.D
Acq: 14 May 2019 17:20

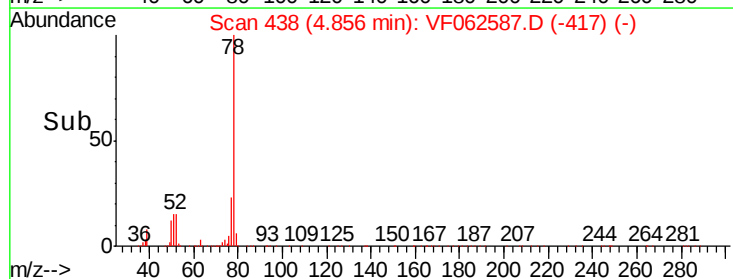
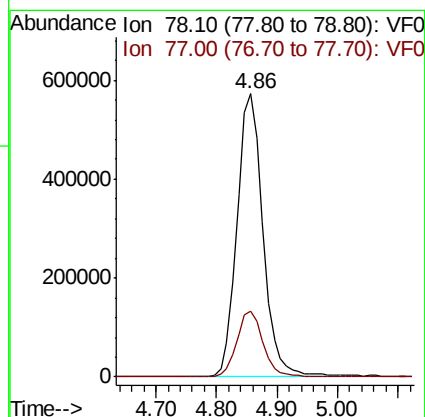
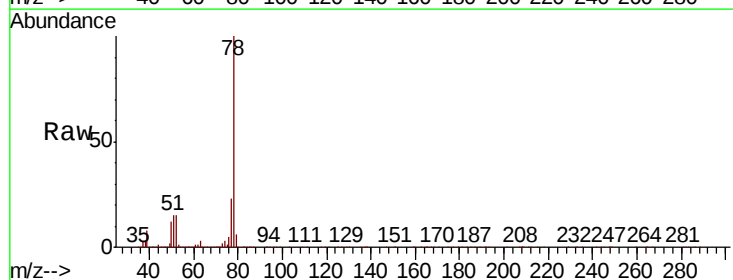
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

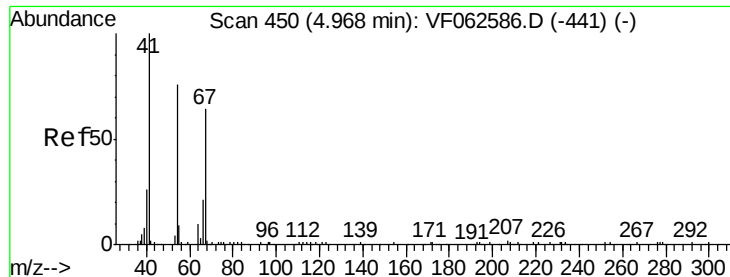
Tot Ion: 83 Resp: 710242
Ion Ratio Lower Upper
83 100
55 81.4 66.6 100.0
98 46.5 38.3 57.5



#40
Benzene
Concen: 67.011 ug/l
RT: 4.86 min Scan# 438
Delta R.T. 0.01 min
Lab File: VF062587.D
Acq: 14 May 2019 17:20

Tgt Ion: 78 Resp: 1712184
Ion Ratio Lower Upper
78 100
77 23.2 17.7 26.5





#41

Methacrylonitrile

Concen: 50.581 ug/l

RT: 4.96 min Scan# 449

Delta R.T. -0.00 min

Lab File: VF062587.D

Acq: 14 May 2019 17:20

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 41 Resp: 149532

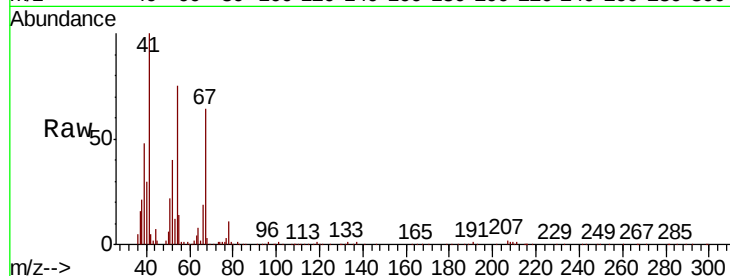
Ion Ratio Lower Upper

41 100

39 47.6 40.8 61.2

67 64.0 50.2 75.2

52 39.8 36.8 55.2

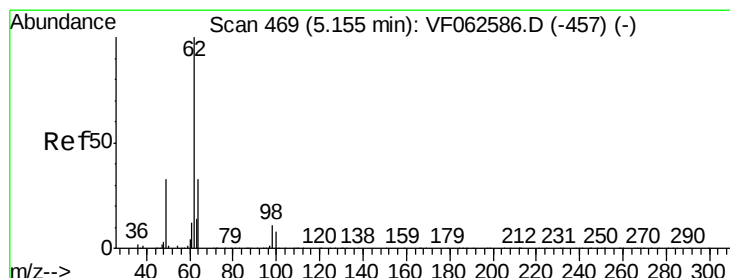
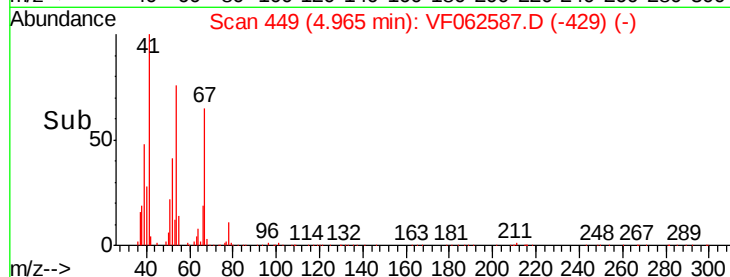
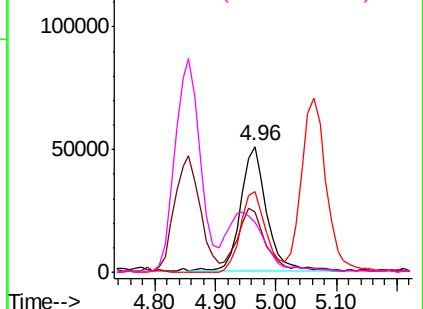


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#42

1,2-Dichloroethane

Concen: 43.328 ug/l

RT: 5.16 min Scan# 469

Delta R.T. 0.01 min

Lab File: VF062587.D

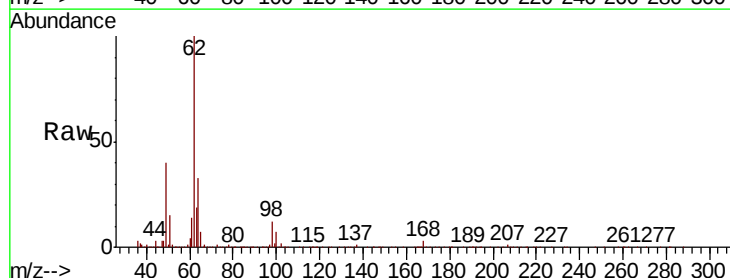
Acq: 14 May 2019 17:20

Tgt Ion: 62 Resp: 387165

Ion Ratio Lower Upper

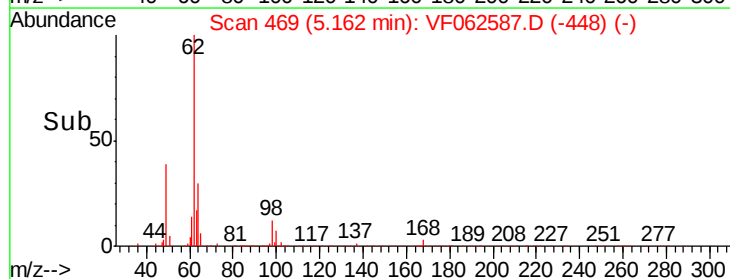
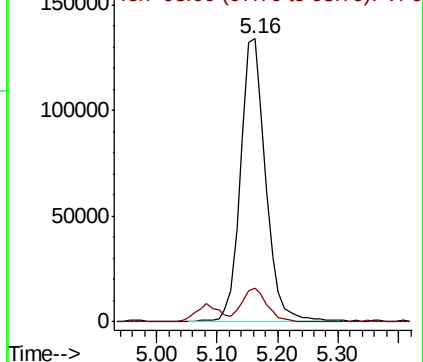
62 100

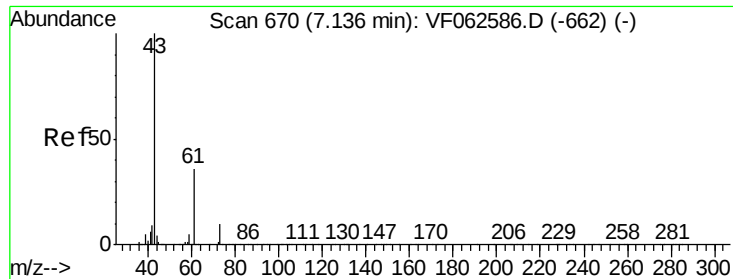
98 12.0 0.0 22.2



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



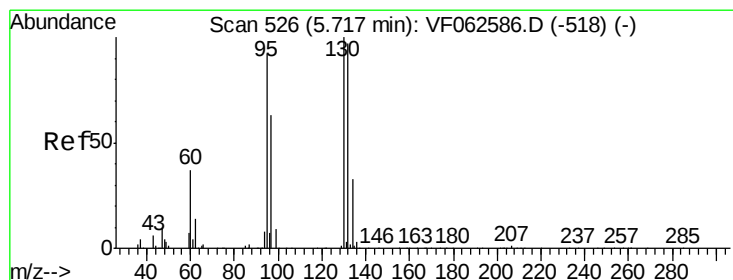
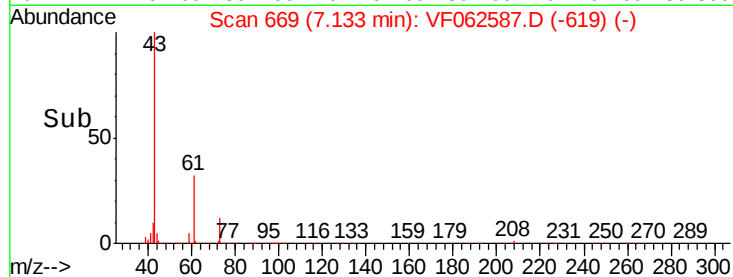
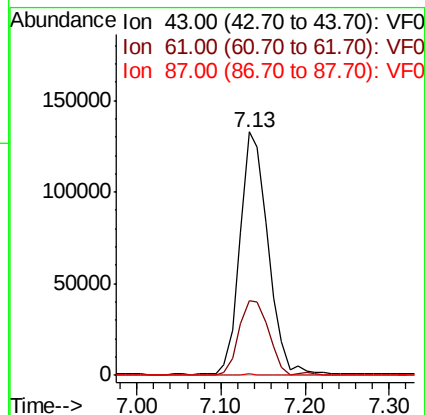
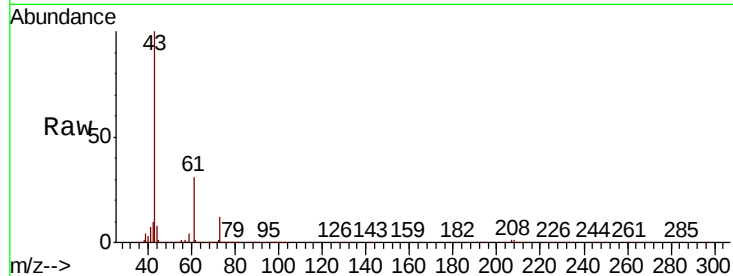


#43

Isopropyl Acetate
 Concen: 55.090 ug/l
 RT: 7.13 min Scan# 669
 Delta R.T. -0.00 min
 Lab File: VF062587.D
 Acq: 14 May 2019 17:20

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

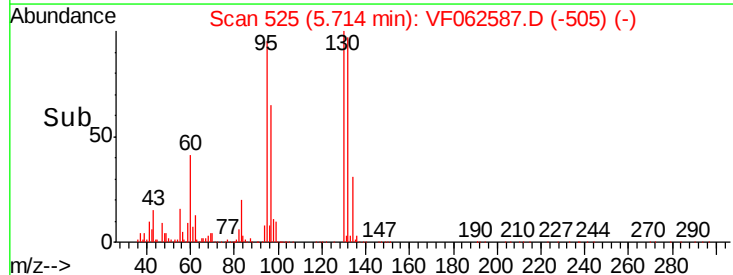
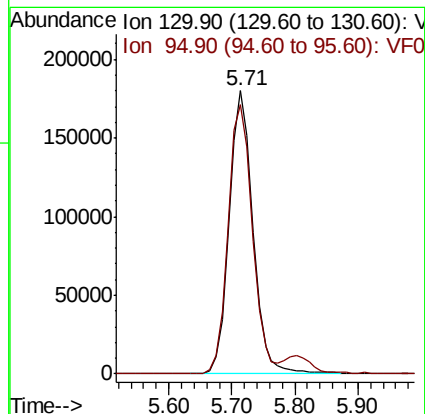
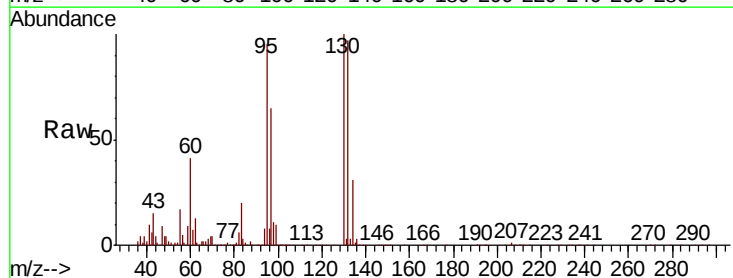
Tot Ion:	43	Resp:	311930
Ion	Ratio	Lower	Upper
43	100		
61	30.9	28.5	42.7
87	0.5	0.4	0.6

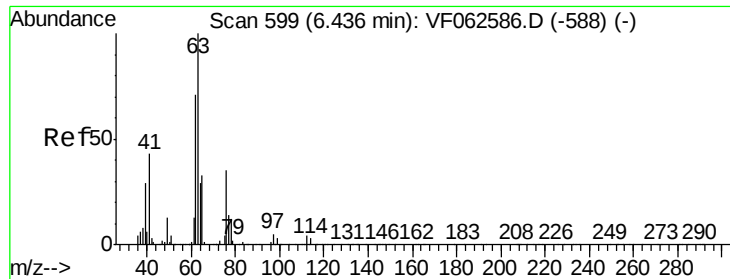


#44

Trichloroethene
 Concen: 60.540 ug/l
 RT: 5.71 min Scan# 525
 Delta R.T. -0.00 min
 Lab File: VF062587.D
 Acq: 14 May 2019 17:20

Tgt Ion:	130	Resp:	467942
Ion	Ratio	Lower	Upper
130	100		
95	94.9	0.0	185.0





#45

1,2-Dichloropropane

Concen: 74.606 ug/l

RT: 6.43 min Scan# 598

Delta R.T. -0.00 min

Lab File: VF062587.D

Acq: 14 May 2019 17:20

Instrument :

MSVOA_F

ClientSampleId :

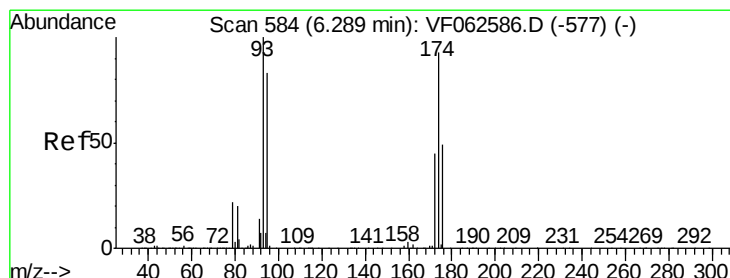
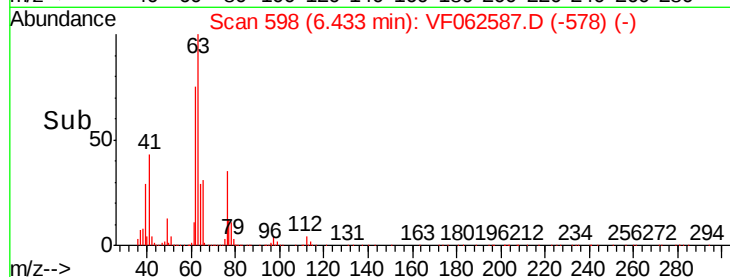
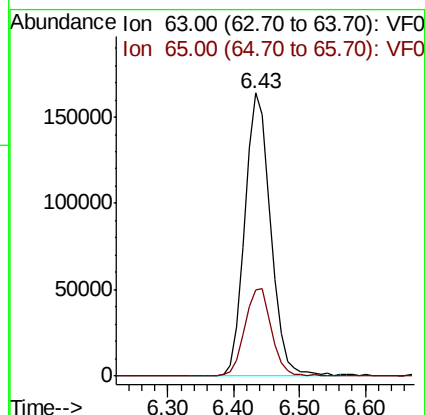
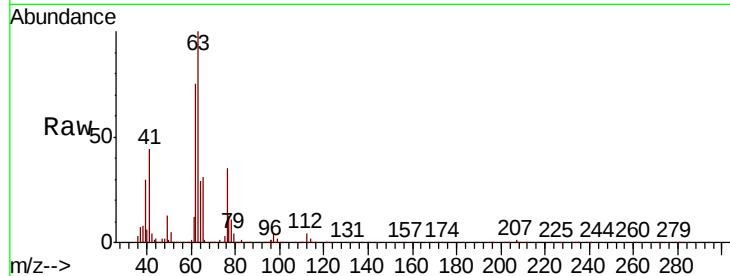
VSTDIC075

Tot Ion: 63 Resp: 453654

Ion Ratio Lower Upper

63 100

65 30.6 26.2 39.4



#46

Dibromomethane

Concen: 62.204 ug/l

RT: 6.30 min Scan# 584

Delta R.T. 0.01 min

Lab File: VF062587.D

Acq: 14 May 2019 17:20

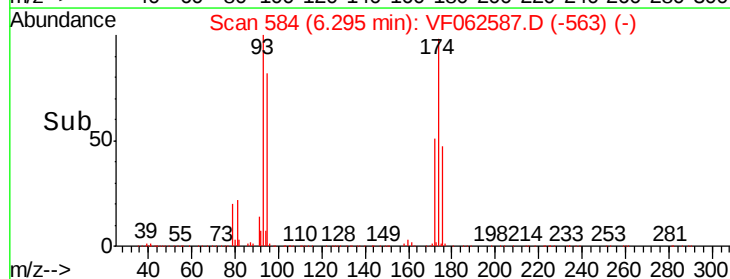
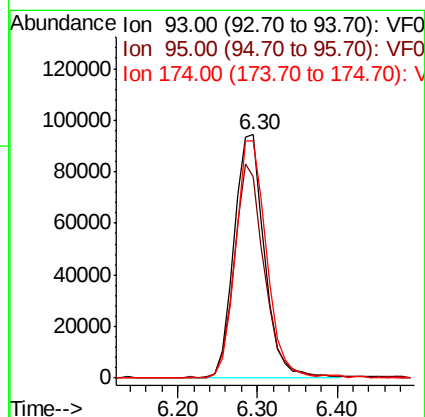
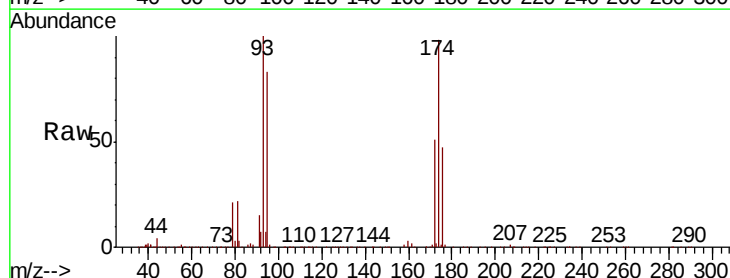
Tgt Ion: 93 Resp: 251936

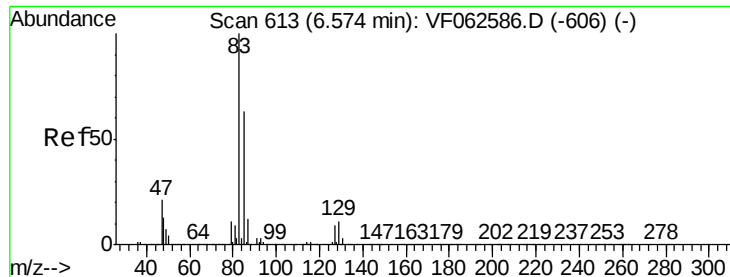
Ion Ratio Lower Upper

93 100

95 82.7 66.9 100.3

174 97.7 74.6 112.0





#47

Bromodichloromethane

Concen: 52.777 ug/l

RT: 6.58 min Scan# 613

Delta R.T. 0.01 min

Lab File: VF062587.D

Acq: 14 May 2019 17:20

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

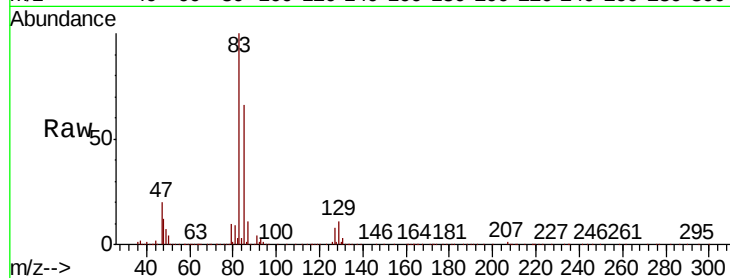
Tot Ion: 83 Resp: 564411

Ion Ratio Lower Upper

83 100

85 65.6 50.3 75.5

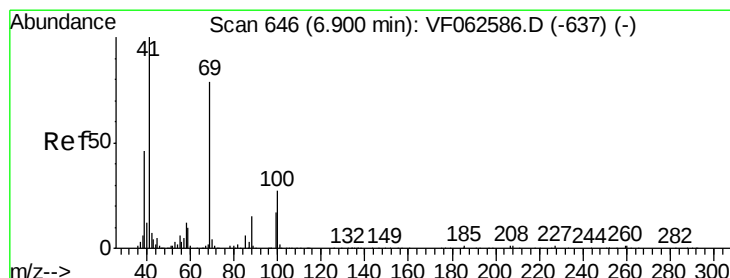
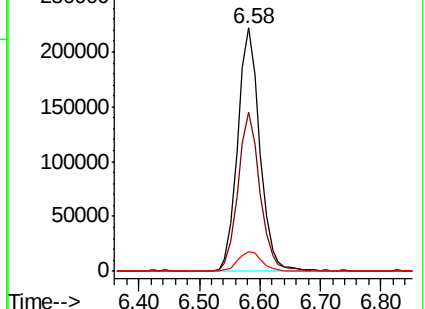
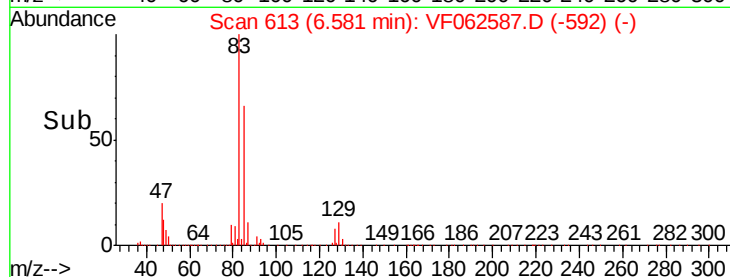
127 8.1 7.2 10.8



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: 41.849 ug/l

RT: 6.91 min Scan# 646

Delta R.T. 0.01 min

Lab File: VF062587.D

Acq: 14 May 2019 17:20

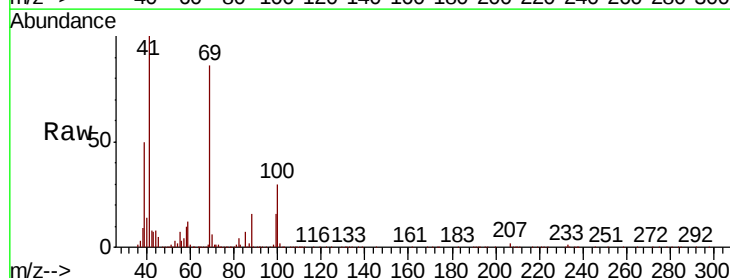
Tgt Ion: 41 Resp: 175968

Ion Ratio Lower Upper

41 100

69 86.1 63.0 94.6

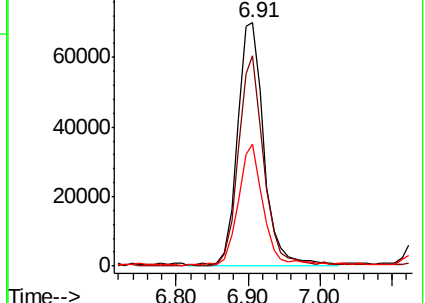
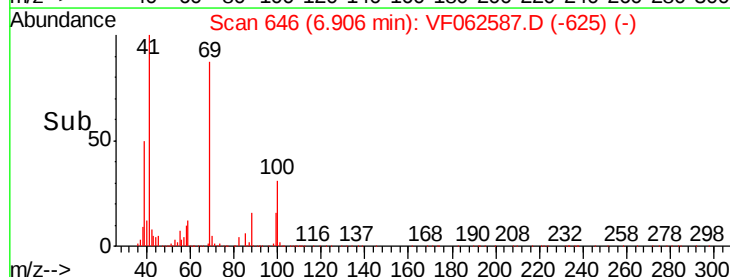
39 50.1 37.6 56.4

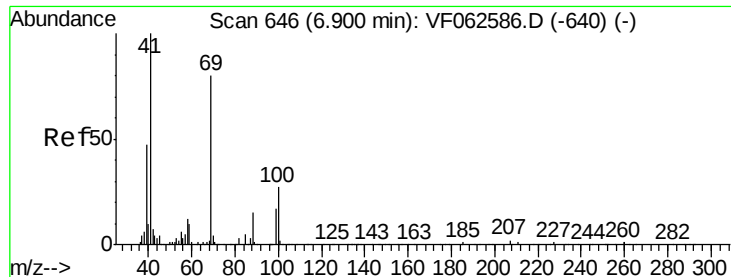


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

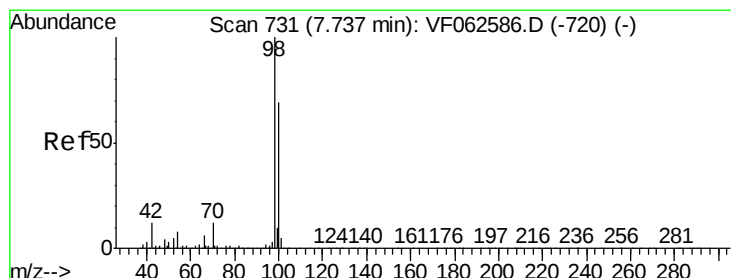
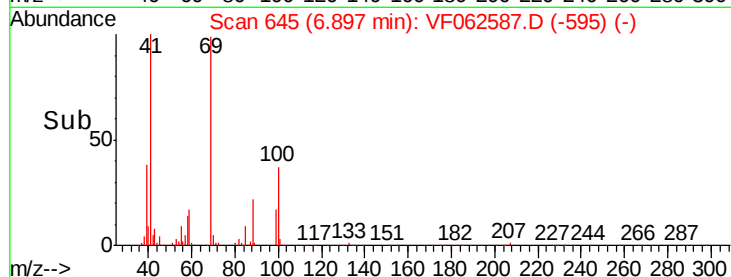
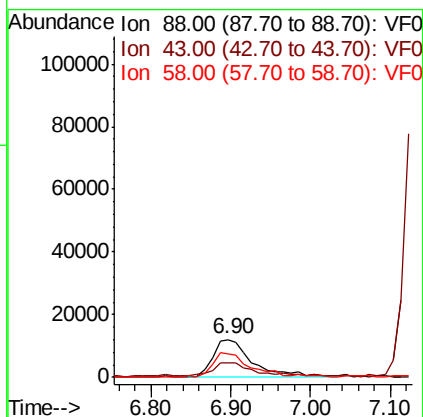
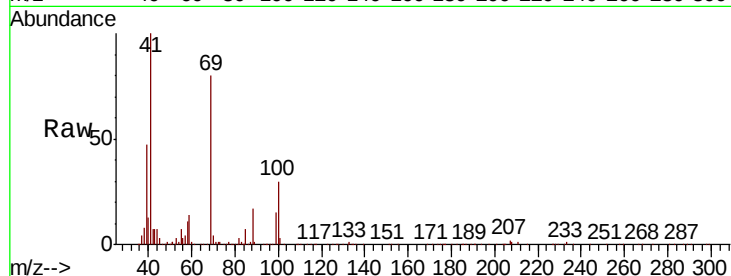




#49
1,4-Dioxane
Concen: 1556.749 ug/l
RT: 6.90 min Scan# 645
Delta R.T. -0.00 min
Lab File: VF062587.D
Acq: 14 May 2019 17:20

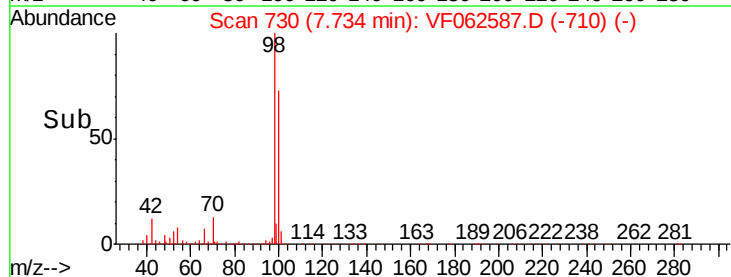
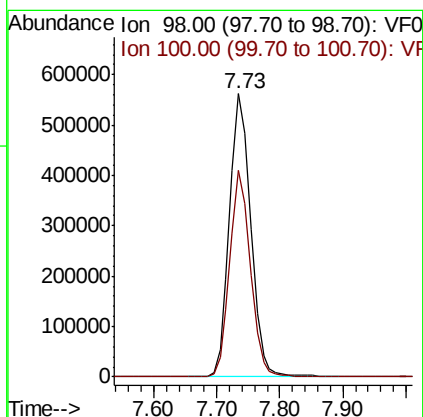
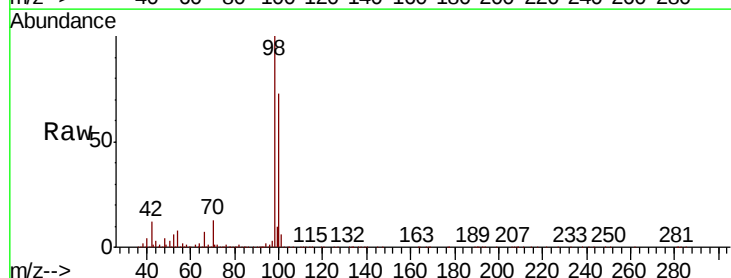
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

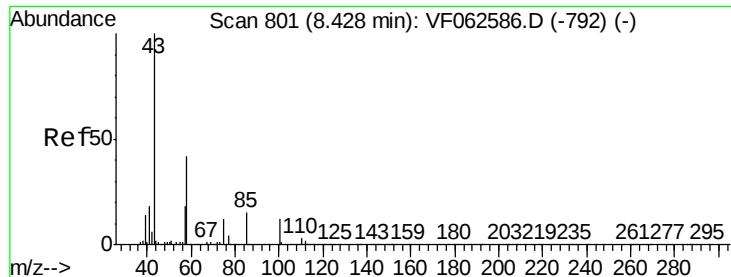
Tot Ion: 88 Resp: 42591
Ion Ratio Lower Upper
88 100
43 38.0 28.8 43.2
58 63.0 60.6 90.8



#50
Toluene-d8
Concen: 59.963 ug/l
RT: 7.73 min Scan# 730
Delta R.T. -0.00 min
Lab File: VF062587.D
Acq: 14 May 2019 17:20

Tgt Ion: 98 Resp: 1317431
Ion Ratio Lower Upper
98 100
100 72.8 55.4 83.0





#51

4-Methyl-2-Pentanone

Concen: 258.106 ug/l

RT: 8.42 min Scan# 800

Delta R.T. -0.00 min

Lab File: VF062587.D

Acq: 14 May 2019 17:20

Instrument :

MSVOA_F

ClientSampleId :

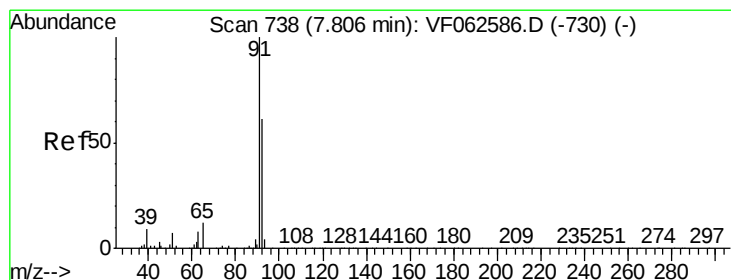
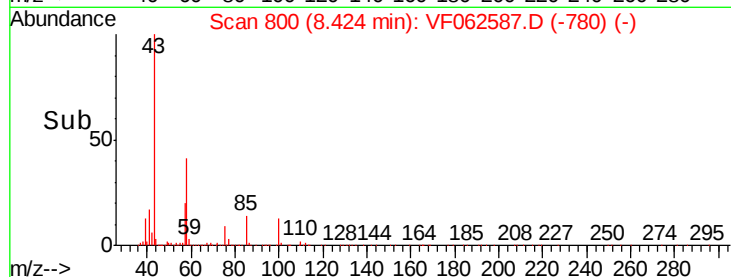
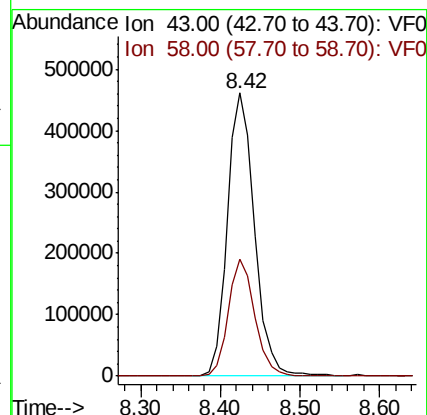
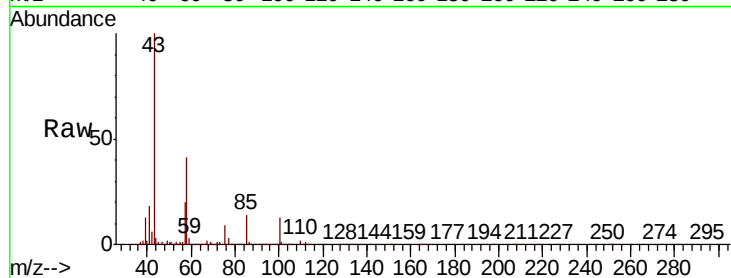
VSTDIC075

Tot Ion: 43 Resp: 1102214

Ion Ratio Lower Upper

43 100

58 41.2 33.6 50.4



#52

Toluene

Concen: 55.436 ug/l

RT: 7.80 min Scan# 737

Delta R.T. -0.00 min

Lab File: VF062587.D

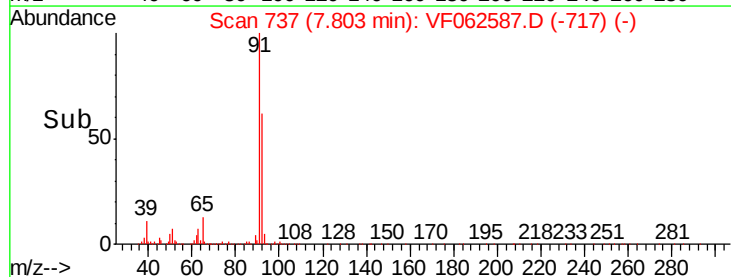
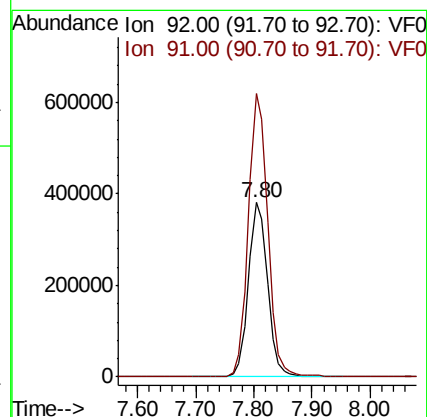
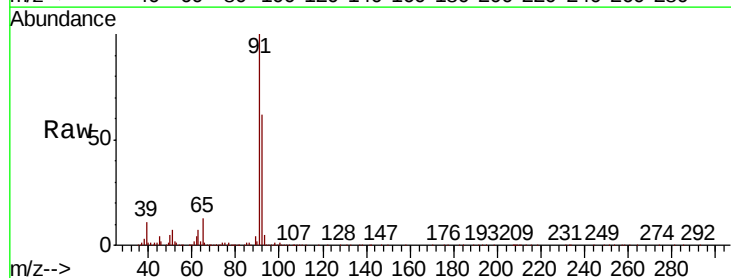
Acq: 14 May 2019 17:20

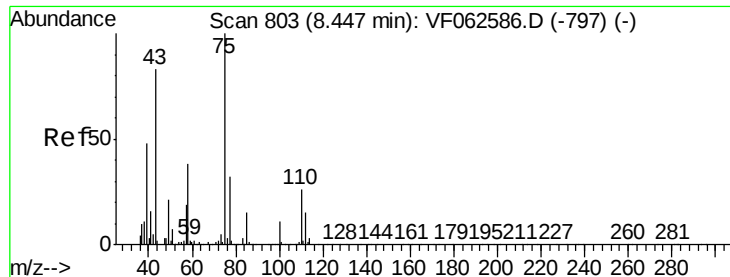
Tgt Ion: 92 Resp: 878718

Ion Ratio Lower Upper

92 100

91 162.4 131.0 196.4

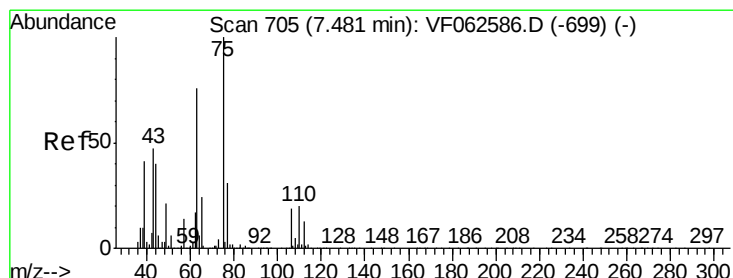
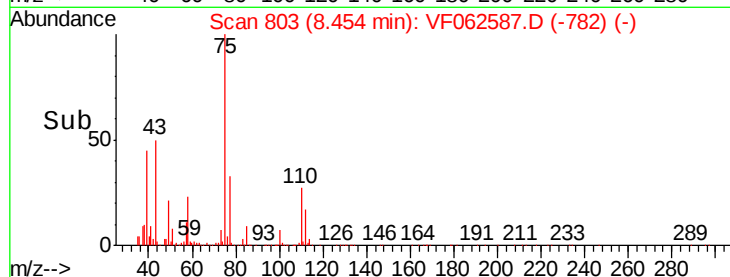
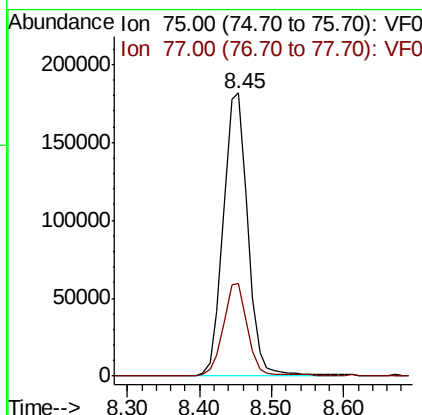
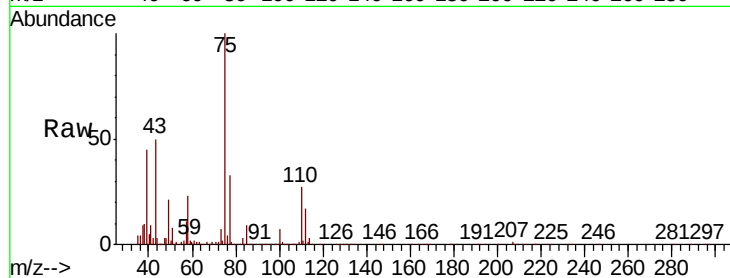




#53
 t-1,3-Dichloropropene
 Concen: 49.486 ug/l
 RT: 8.45 min Scan# 803
 Delta R.T. 0.01 min
 Lab File: VF062587.D
 Acq: 14 May 2019 17:20

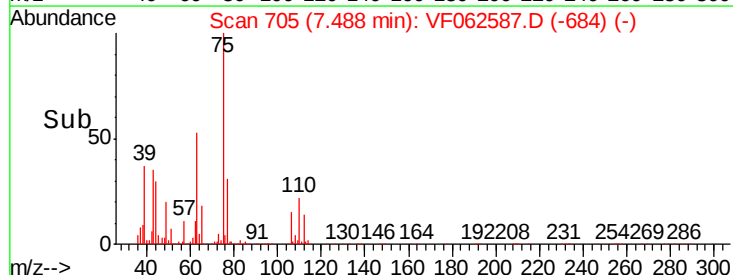
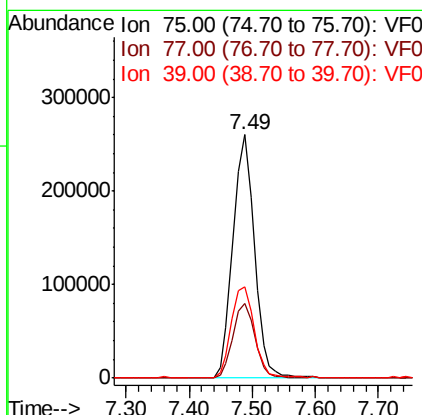
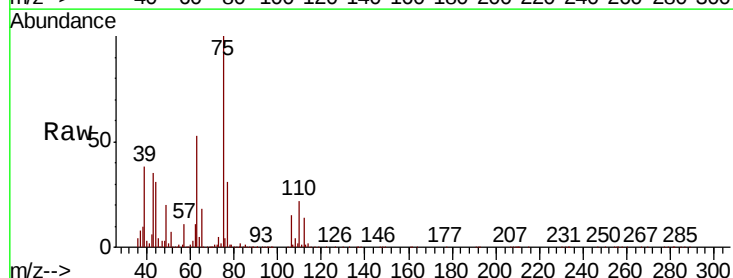
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

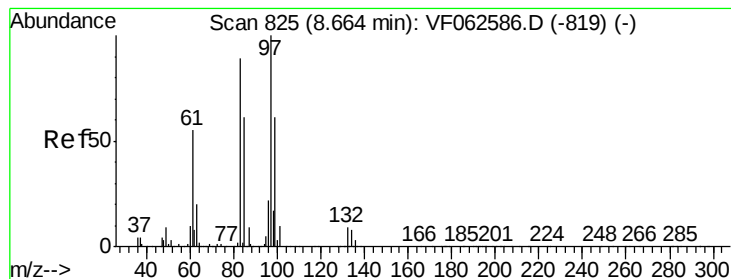
Tot Ion: 75 Resp: 424772
 Ion Ratio Lower Upper
 75 100
 77 33.0 25.7 38.5



#54
 cis-1,3-Dichloropropene
 Concen: 57.940 ug/l
 RT: 7.49 min Scan# 705
 Delta R.T. 0.01 min
 Lab File: VF062587.D
 Acq: 14 May 2019 17:20

Tgt Ion: 75 Resp: 617275
 Ion Ratio Lower Upper
 75 100
 77 30.7 25.0 37.6
 39 37.6 32.8 49.2





#55

1,1,2-Trichloroethane

Concen: 61.771 ug/l

RT: 8.66 min Scan# 824

Delta R.T. -0.00 min

Lab File: VF062587.D

Acq: 14 May 2019 17:20

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 97 Resp: 273925

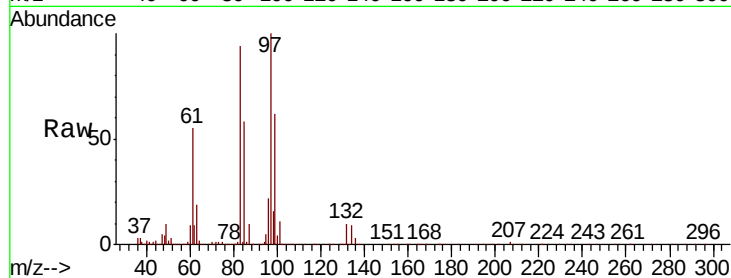
Ion Ratio Lower Upper

97 100

83 93.9 71.3 106.9

85 58.4 48.9 73.3

99 61.6 48.4 72.6

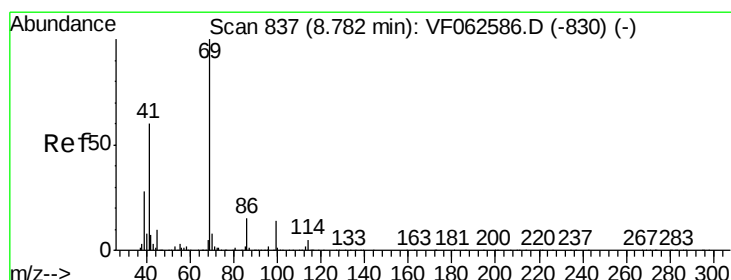
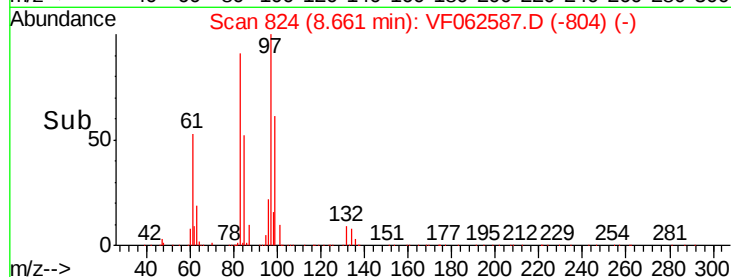
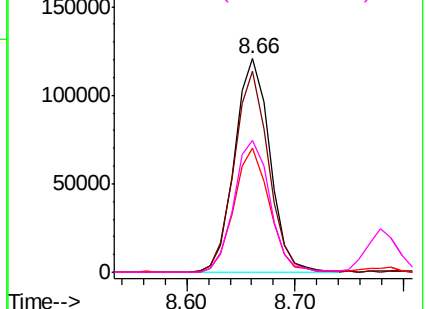


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 50.528 ug/l

RT: 8.78 min Scan# 836

Delta R.T. -0.00 min

Lab File: VF062587.D

Acq: 14 May 2019 17:20

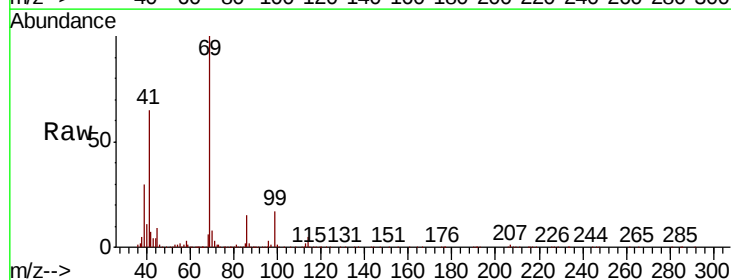
Tgt Ion: 69 Resp: 293661

Ion Ratio Lower Upper

69 100

41 65.1 48.1 72.1

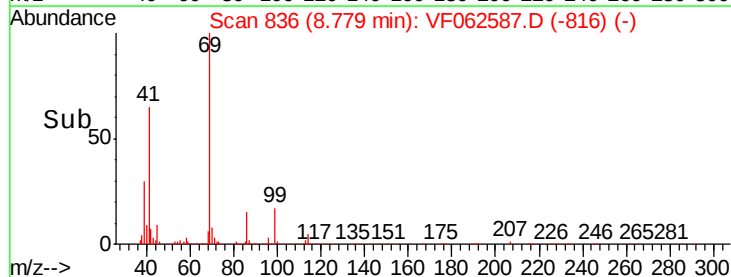
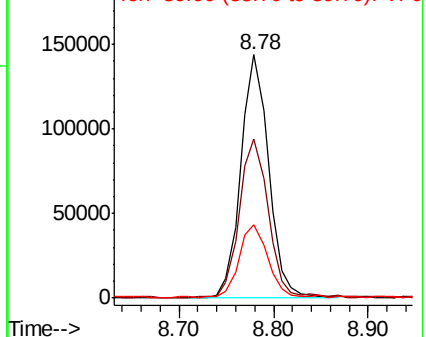
39 30.4 22.5 33.7

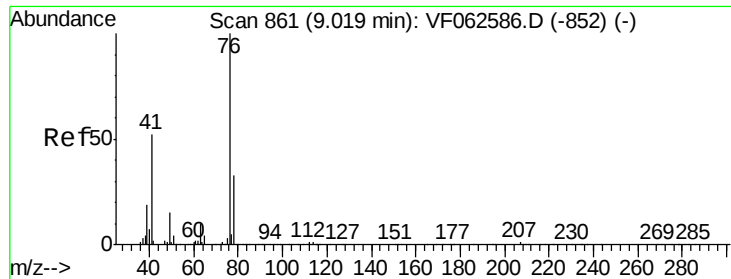


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 60.184 ug/l

RT: 9.03 min Scan# 861

Delta R.T. 0.01 min

Lab File: VF062587.D

Acq: 14 May 2019 17:20

Instrument :

MSVOA_F

ClientSampleId :

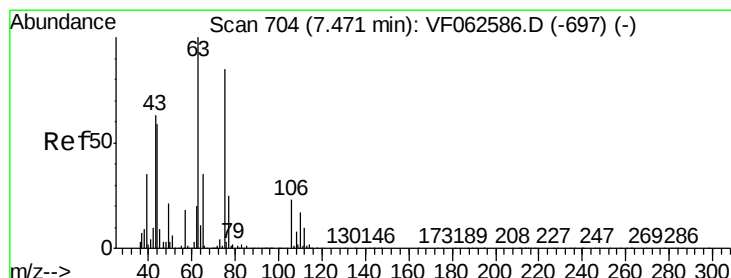
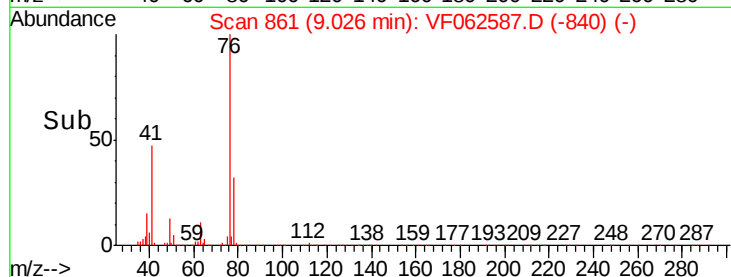
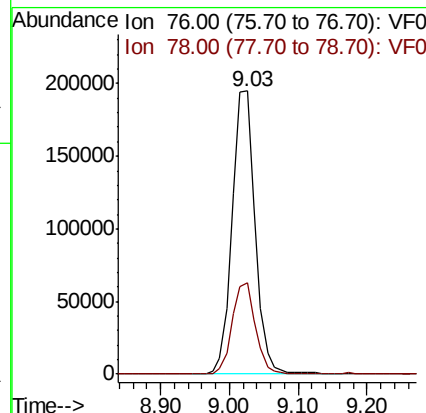
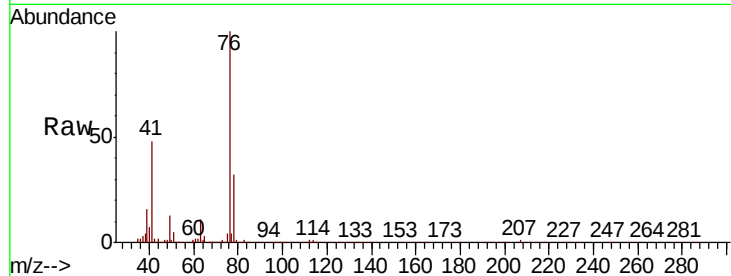
VSTDIC075

Tot Ion: 76 Resp: 449424

Ion Ratio Lower Upper

76 100

78 32.4 26.4 39.6



#58

2-Chloroethyl Vinyl ether

Concen: 508.874 ug/l

RT: 7.48 min Scan# 704

Delta R.T. 0.01 min

Lab File: VF062587.D

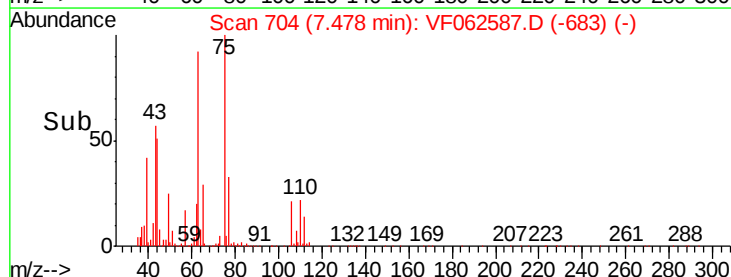
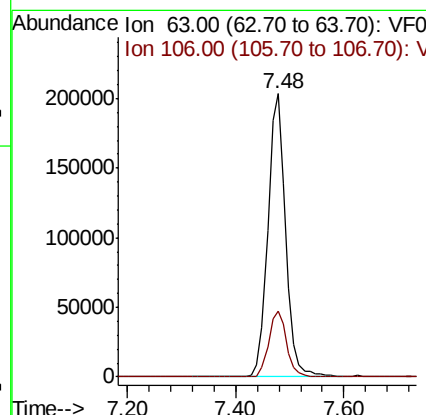
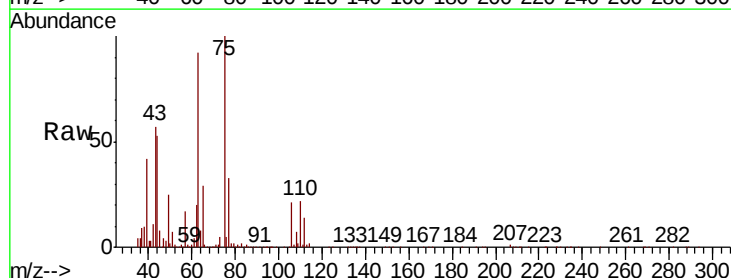
Acq: 14 May 2019 17:20

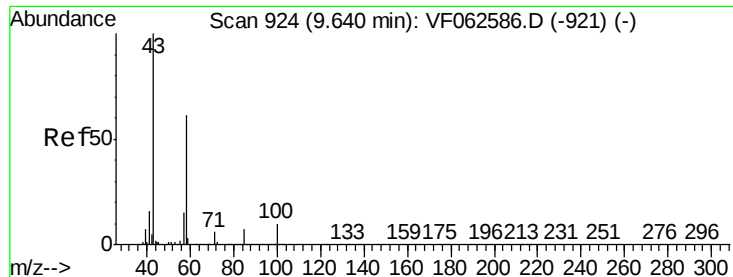
Tgt Ion: 63 Resp: 467726

Ion Ratio Lower Upper

63 100

106 23.1 18.0 27.0

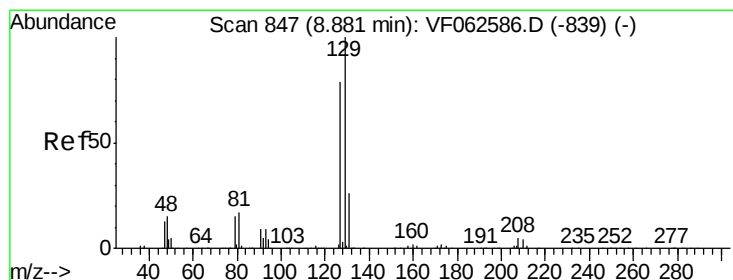
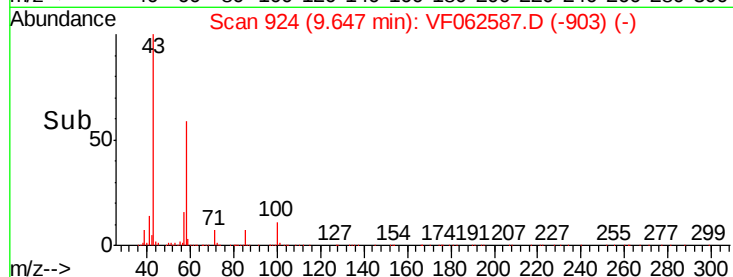
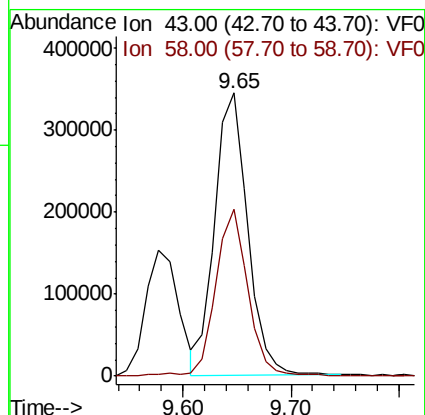
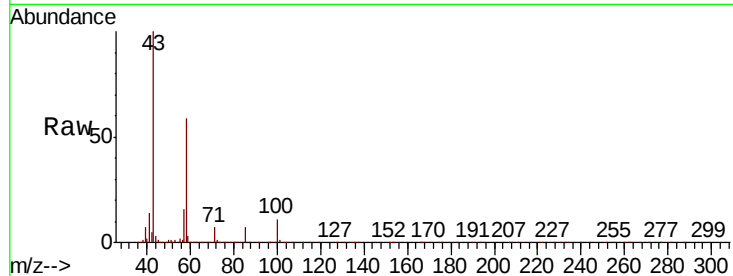




#59
2-Hexanone
Concen: 242.401 ug/l
RT: 9.65 min Scan# 924
Delta R.T. 0.01 min
Lab File: VF062587.D
Acq: 14 May 2019 17:20

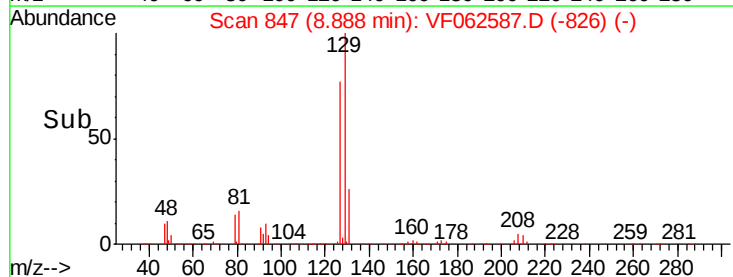
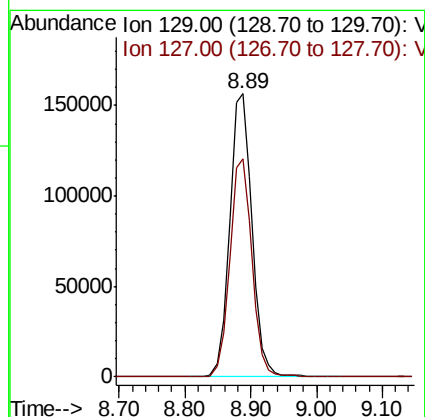
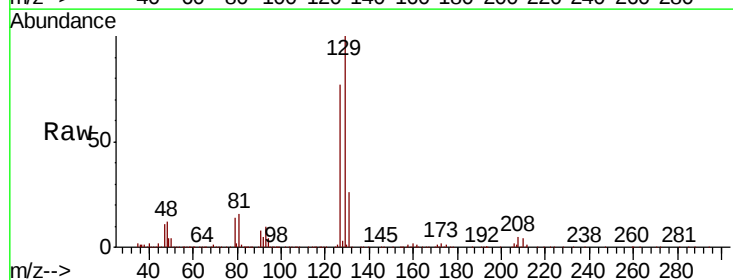
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

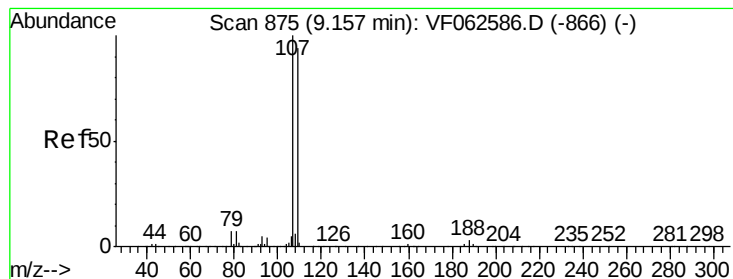
Tot Ion: 43 Resp: 728947
Ion Ratio Lower Upper
43 100
58 59.0 28.7 86.3



#60
Dibromochloromethane
Concen: 58.836 ug/l
RT: 8.89 min Scan# 847
Delta R.T. 0.01 min
Lab File: VF062587.D
Acq: 14 May 2019 17:20

Tgt Ion: 129 Resp: 371568
Ion Ratio Lower Upper
129 100
127 77.2 39.3 117.9





#61

1,2-Dibromoethane

Concen: 61.286 ug/l

RT: 9.15 min Scan# 874

Delta R.T. -0.00 min

Lab File: VF062587.D

Acq: 14 May 2019 17:20

Instrument :

MSVOA_F

ClientSampleId :

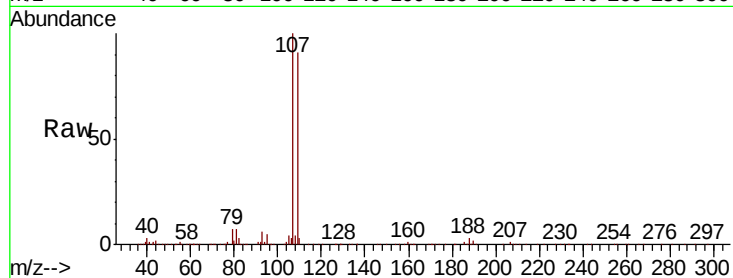
VSTDIC075

Tot Ion:107 Resp: 285815

Ion Ratio Lower Upper

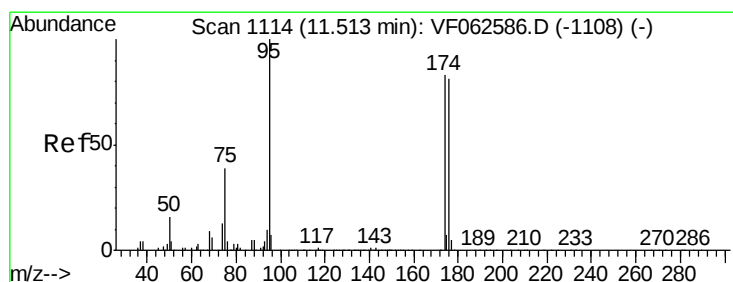
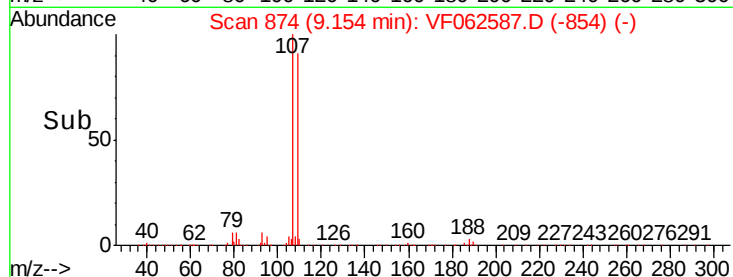
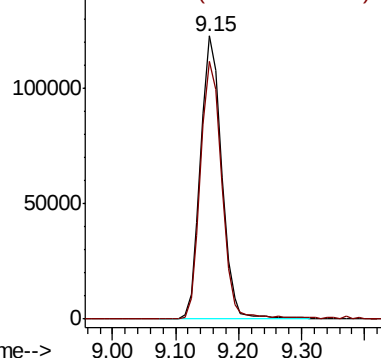
107 100

109 90.9 74.9 112.3



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 52.651 ug/l

RT: 11.51 min Scan# 1113

Delta R.T. -0.00 min

Lab File: VF062587.D

Acq: 14 May 2019 17:20

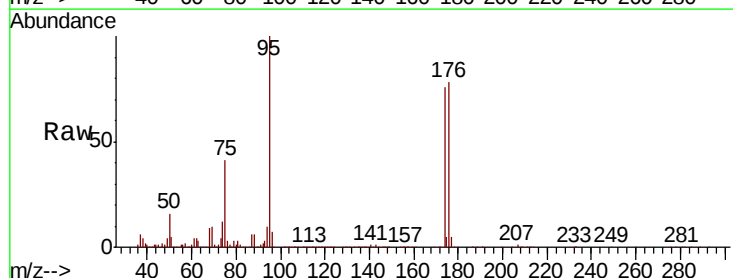
Tgt Ion: 95 Resp: 462084

Ion Ratio Lower Upper

95 100

174 76.3 0.0 166.6

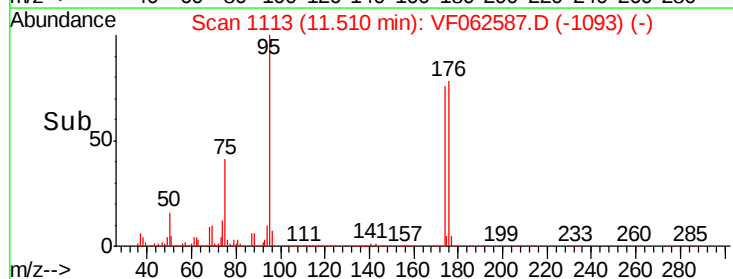
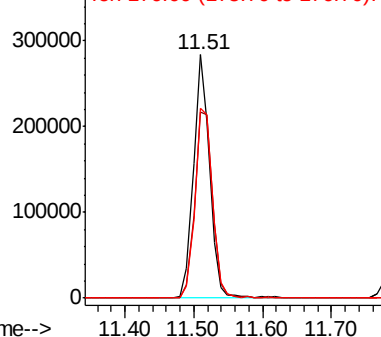
176 77.8 0.0 161.8

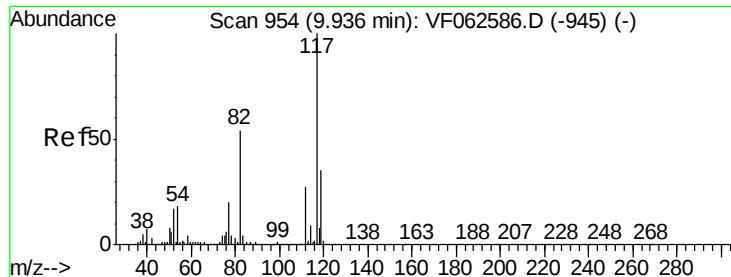


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

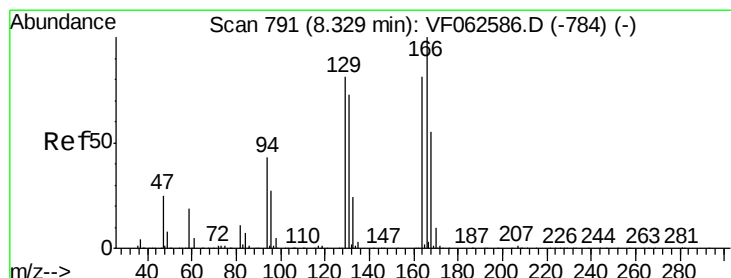
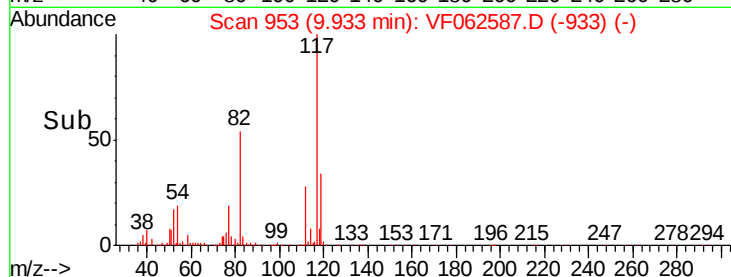
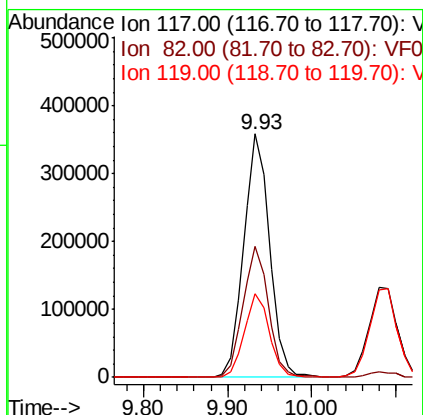
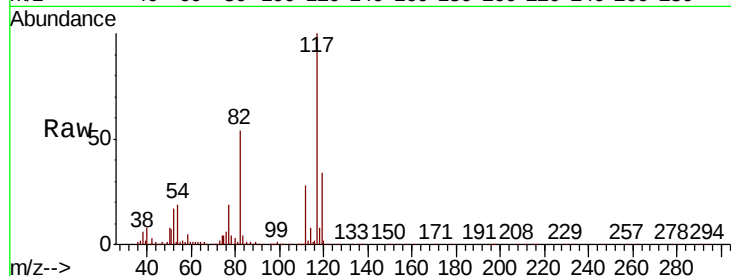




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.93 min Scan# 953
Delta R.T. -0.00 min
Lab File: VF062587.D
Acq: 14 May 2019 17:20

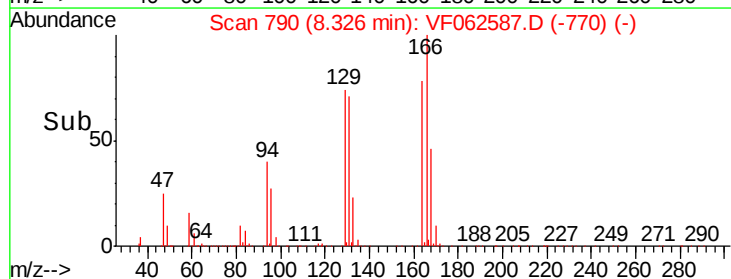
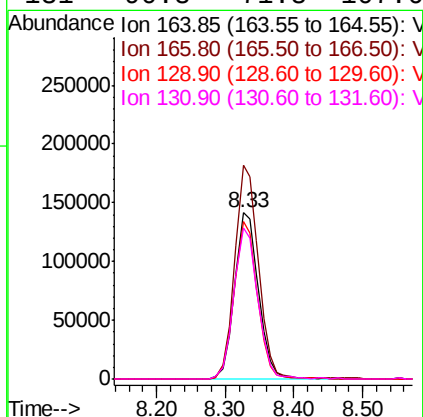
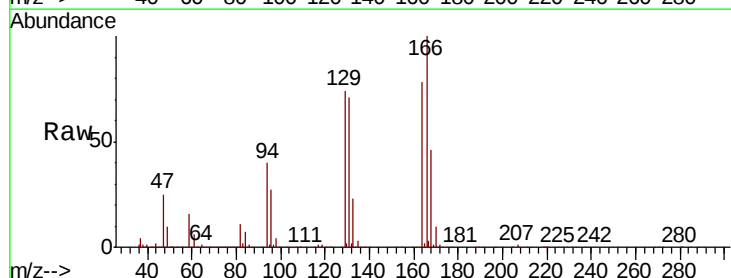
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

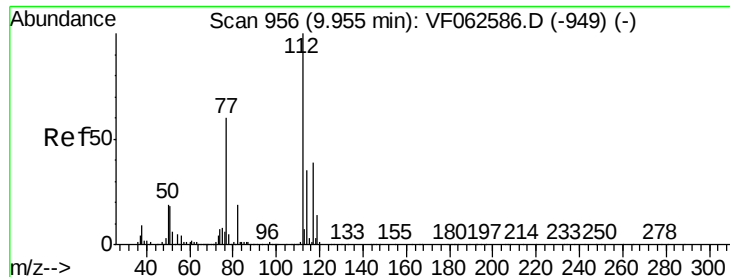
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.9	43.4	65.0
119	34.2	27.7	41.5



#64
Tetrachloroethene
Concen: 60.563 ug/l
RT: 8.33 min Scan# 790
Delta R.T. -0.00 min
Lab File: VF062587.D
Acq: 14 May 2019 17:20

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.6	98.6	148.0
129	94.6	80.2	120.4
131	90.8	71.8	107.6





#65

Chlorobenzene

Concen: 63.036 ug/l

RT: 9.95 min Scan# 955

Delta R.T. -0.00 min

Lab File: VF062587.D

Acq: 14 May 2019 17:20

Instrument :

MSVOA_F

ClientSampleId :

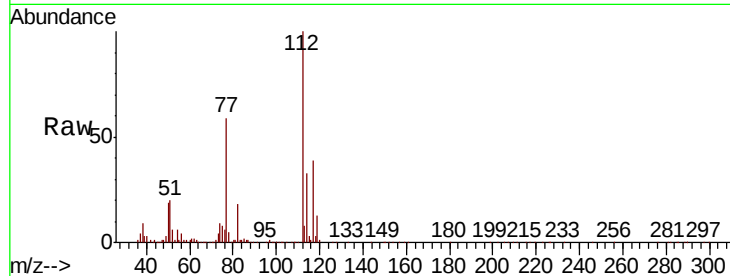
VSTDIC075

Tot Ion:112 Resp: 934773

Ion Ratio Lower Upper

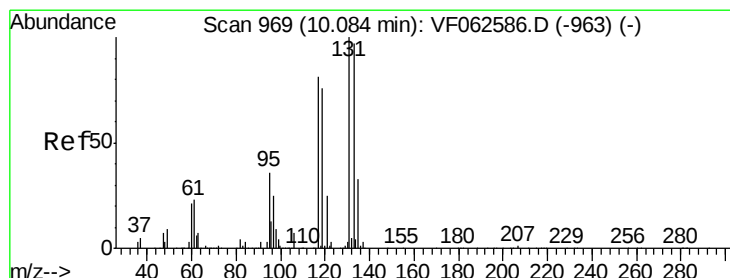
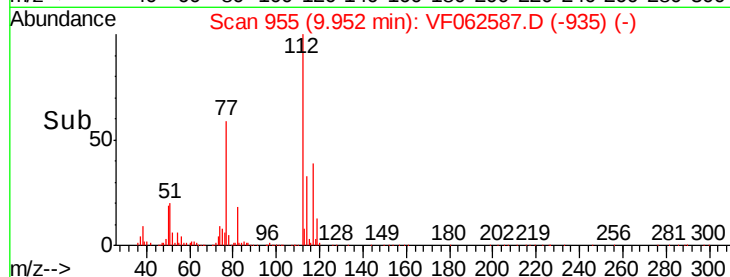
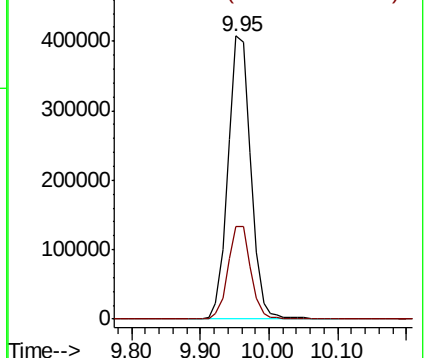
112 100

114 32.9 27.9 41.9



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 63.365 ug/l

RT: 10.08 min Scan# 968

Delta R.T. -0.00 min

Lab File: VF062587.D

Acq: 14 May 2019 17:20

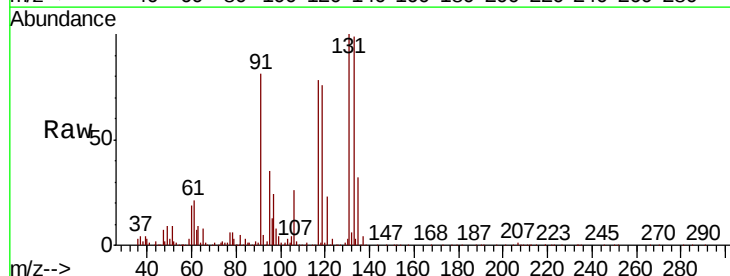
Tgt Ion:131 Resp: 405537

Ion Ratio Lower Upper

131 100

133 99.1 48.4 145.3

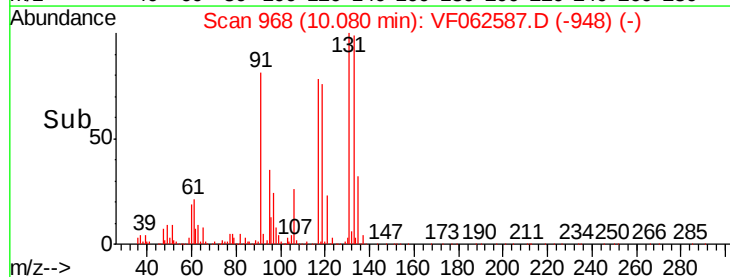
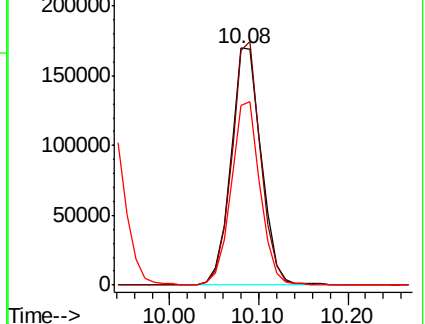
119 75.8 38.5 115.5

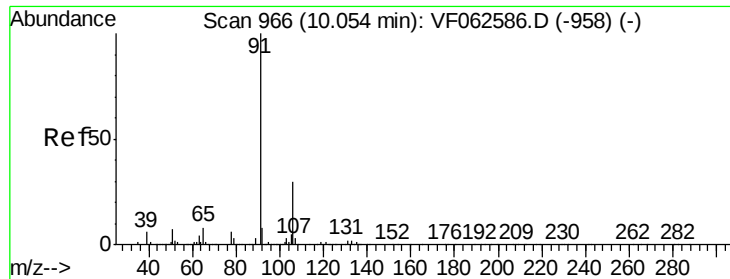


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

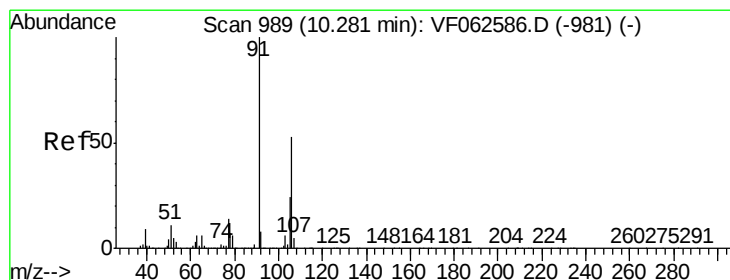
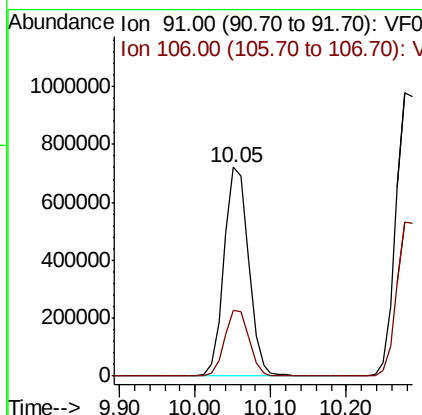
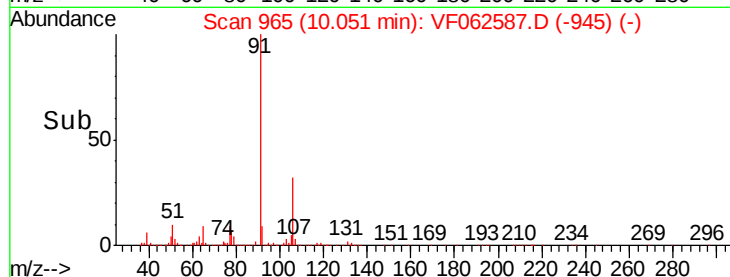
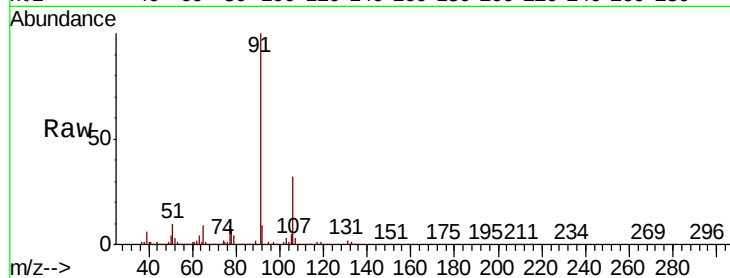




#67
Ethyl Benzene
Concen: 56.695 ug/l
RT: 10.05 min Scan# 965
Delta R.T. -0.00 min
Lab File: VF062587.D
Acq: 14 May 2019 17:20

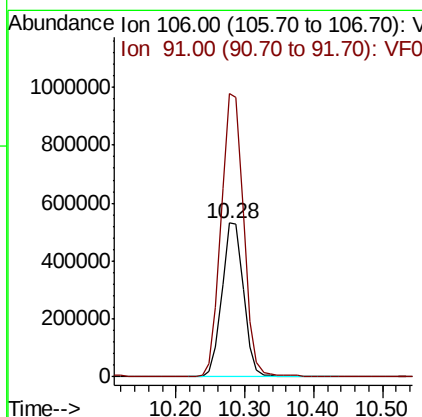
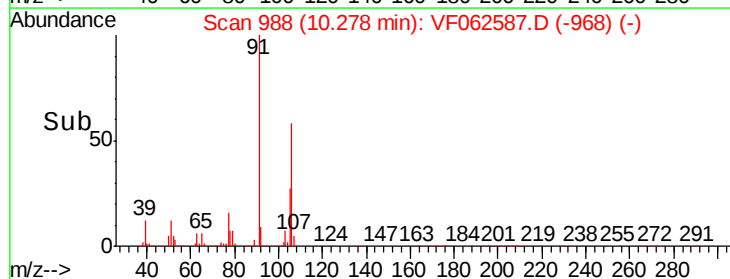
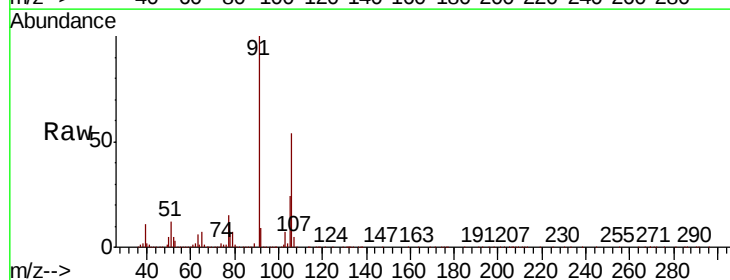
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

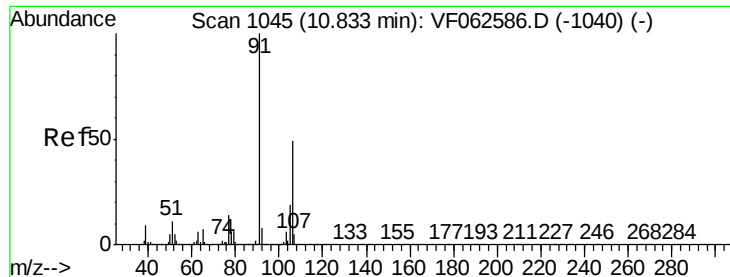
Tot Ion: 91 Resp: 1625130
Ion Ratio Lower Upper
91 100
106 31.6 24.2 36.4



#68
m/p-Xylenes
Concen: 112.562 ug/l
RT: 10.28 min Scan# 988
Delta R.T. -0.00 min
Lab File: VF062587.D
Acq: 14 May 2019 17:20

Tgt Ion: 106 Resp: 1156131
Ion Ratio Lower Upper
106 100
91 184.1 150.5 225.7

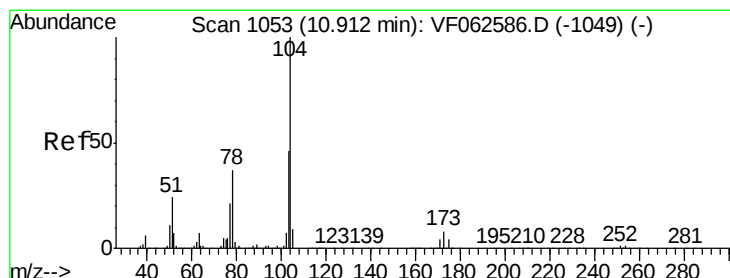
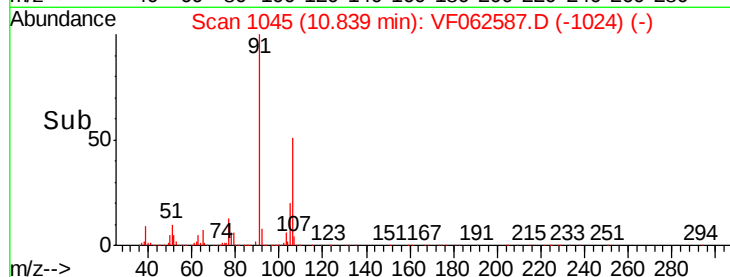
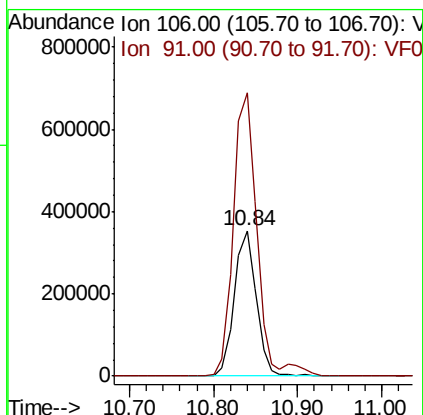
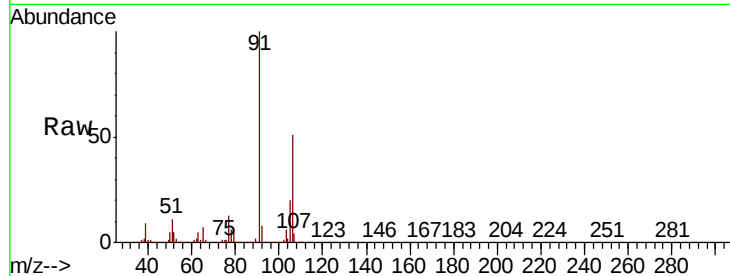




#69
o-Xylene
Concen: 62.143 ug/l
RT: 10.84 min Scan# 1045
Delta R.T. 0.01 min
Lab File: VF062587.D
Acq: 14 May 2019 17:20

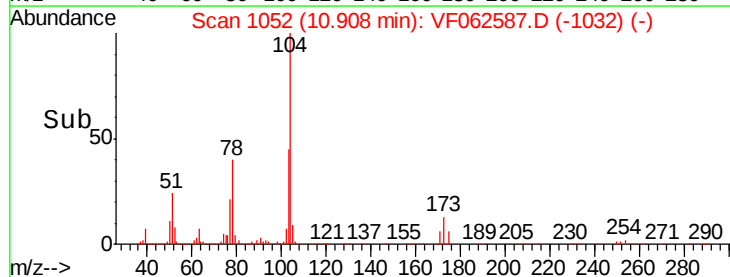
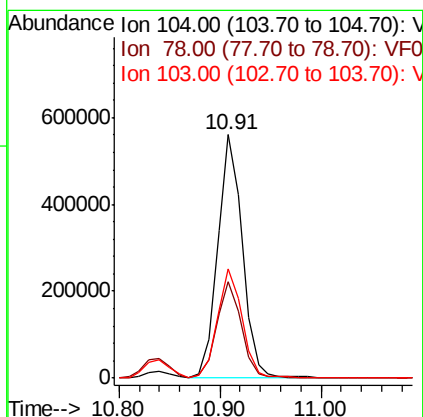
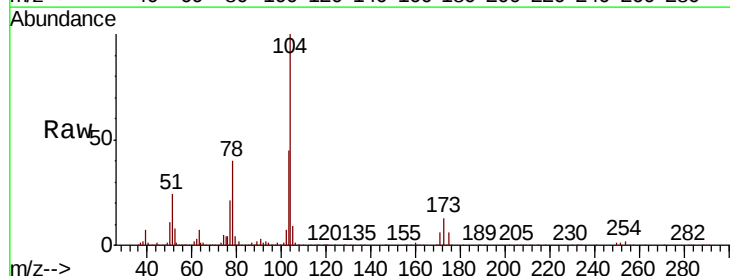
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

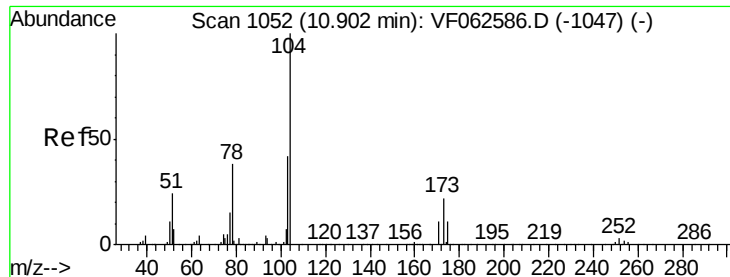
Tot Ion:106 Resp: 642028
Ion Ratio Lower Upper
106 100
91 194.4 102.0 305.9



#70
Styrene
Concen: 60.136 ug/l
RT: 10.91 min Scan# 1052
Delta R.T. -0.00 min
Lab File: VF062587.D
Acq: 14 May 2019 17:20

Tgt Ion:104 Resp: 950662
Ion Ratio Lower Upper
104 100
78 39.7 30.2 45.2
103 44.8 37.0 55.6

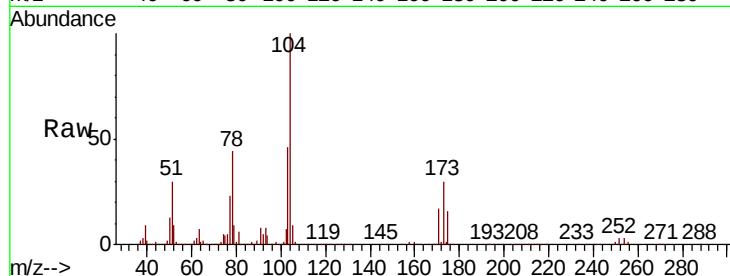




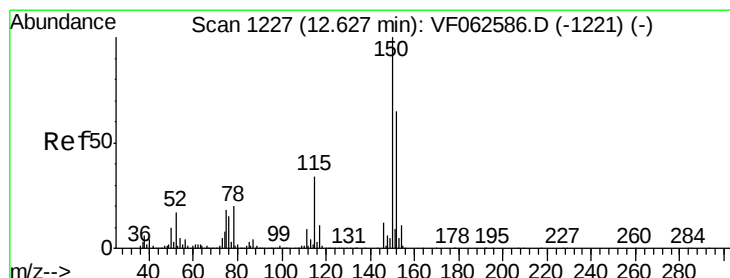
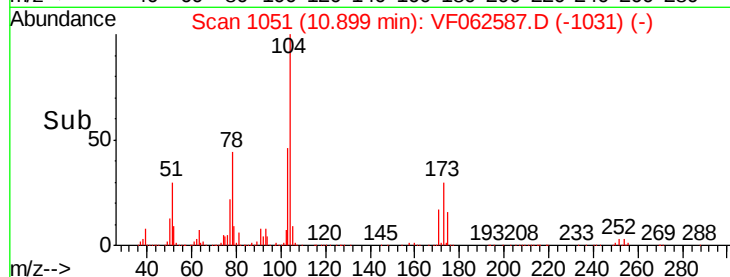
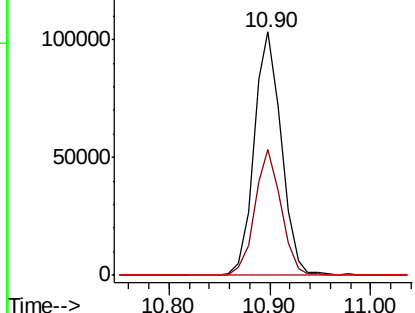
#71
Bromoform
Concen: 59.216 ug/l
RT: 10.90 min Scan# 1051
Delta R.T. -0.00 min
Lab File: VF062587.D
Acq: 14 May 2019 17:20

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion:173 Resp: 193606
Ion Ratio Lower Upper
173 100
175 52.6 24.1 72.3
254 0.1 0.0 0.0#

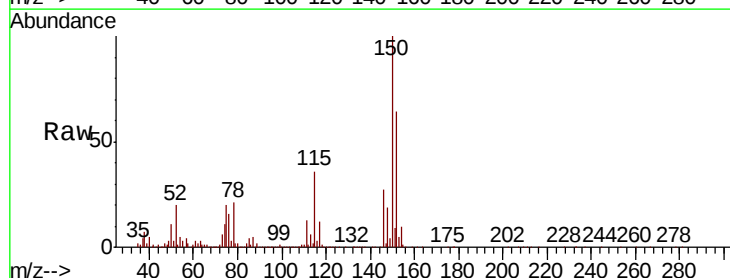


Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V

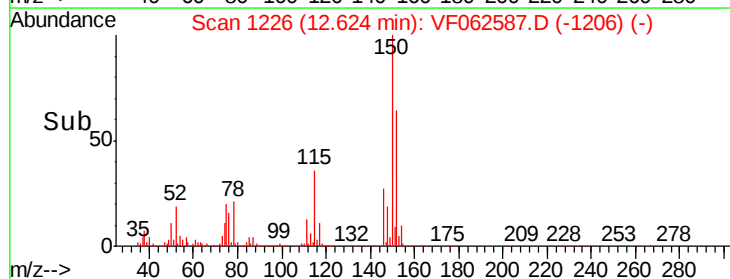
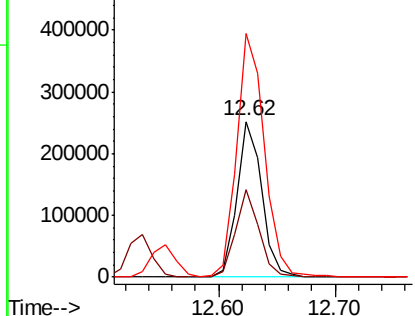


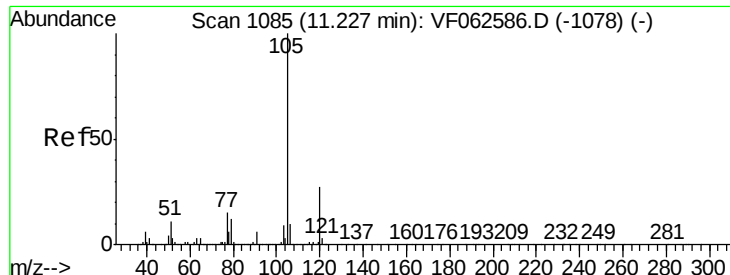
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.62 min Scan# 1226
Delta R.T. -0.00 min
Lab File: VF062587.D
Acq: 14 May 2019 17:20

Tgt Ion:152 Resp: 369570
Ion Ratio Lower Upper
152 100
115 56.0 26.2 78.6
150 156.4 0.0 316.0



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: 58.200 ug/l

RT: 11.23 min Scan# 1085

Delta R.T. 0.01 min

Lab File: VF062587.D

Acq: 14 May 2019 17:20

Instrument :

MSVOA_F

ClientSampleId :

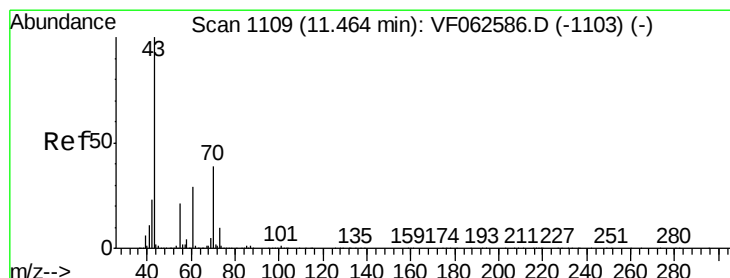
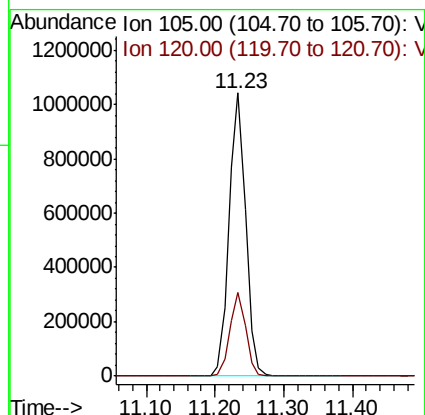
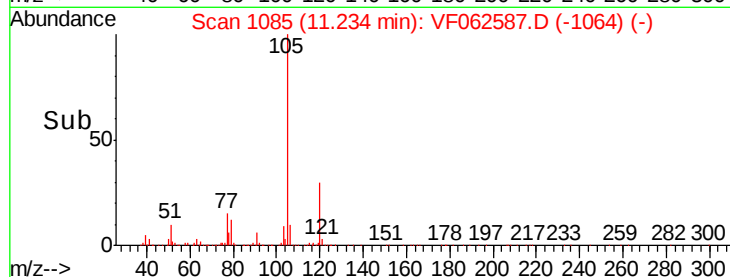
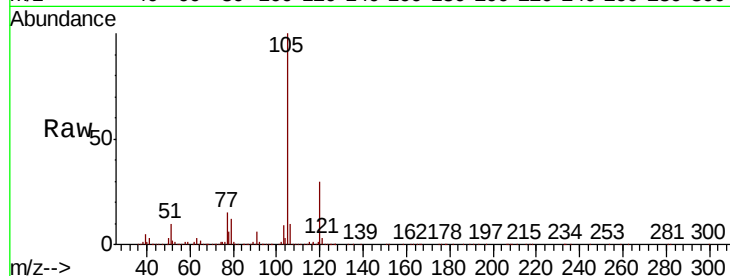
VSTDIC075

Tot Ion:105 Resp: 1736208

Ion Ratio Lower Upper

105 100

120 29.7 13.5 40.4



#74

N-ethyl acetate

Concen: 52.236 ug/l

RT: 11.46 min Scan# 1108

Delta R.T. -0.00 min

Lab File: VF062587.D

Acq: 14 May 2019 17:20

Tgt Ion: 43 Resp: 417022

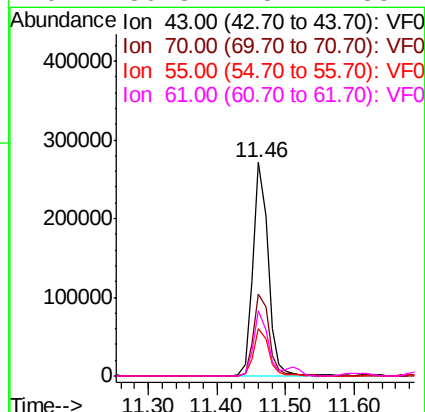
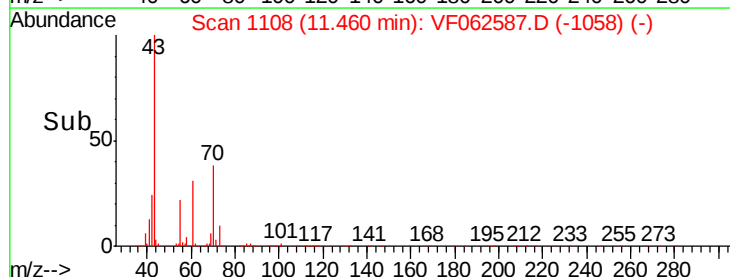
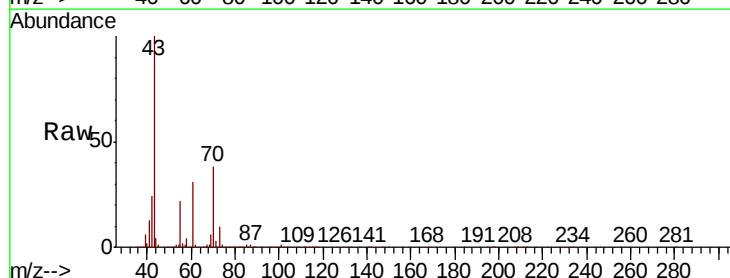
Ion Ratio Lower Upper

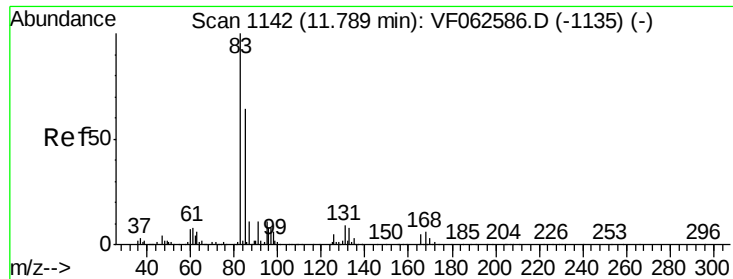
43 100

70 38.4 31.0 46.4

55 21.9 16.7 25.1

61 30.8 23.4 35.2





#75

1,1,2,2-Tetrachloroethane

Concen: 72.915 ug/l

RT: 11.79 min Scan# 1141

Delta R.T. -0.00 min

Lab File: VF062587.D

Acq: 14 May 2019 17:20

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

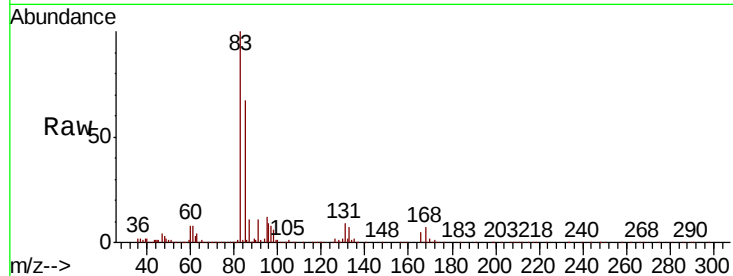
Tot Ion: 83 Resp: 355243

Ion Ratio Lower Upper

83 100

131 9.2 4.6 13.8

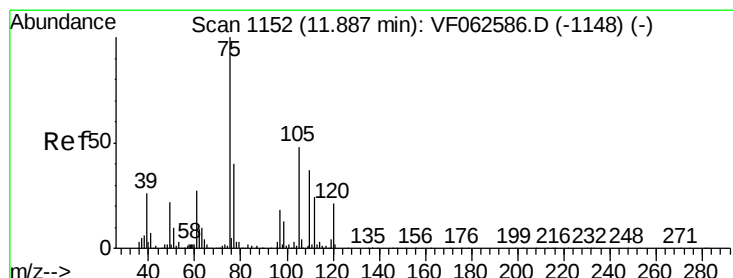
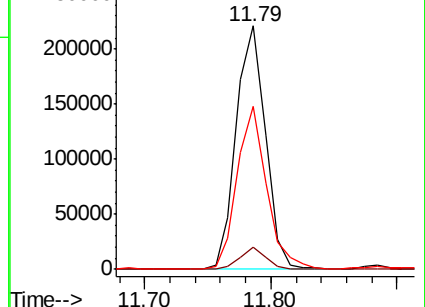
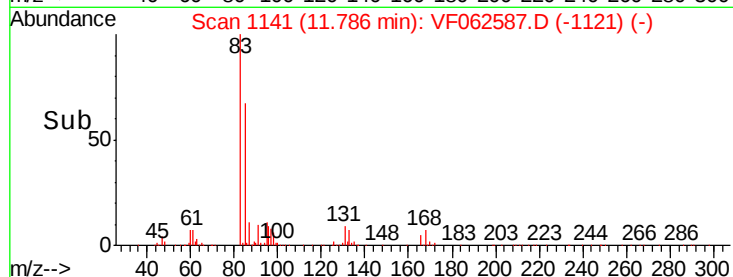
85 66.9 32.1 96.3



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 59.919 ug/l

RT: 11.88 min Scan# 1151

Delta R.T. -0.00 min

Lab File: VF062587.D

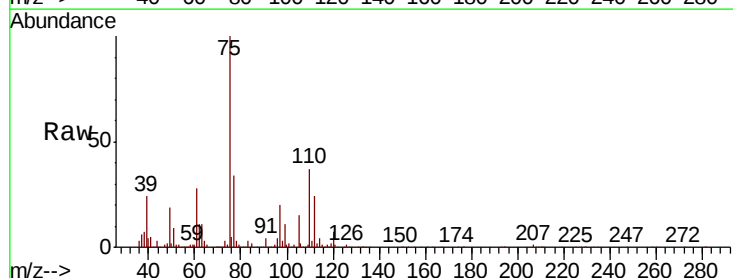
Acq: 14 May 2019 17:20

Tgt Ion: 75 Resp: 219105

Ion Ratio Lower Upper

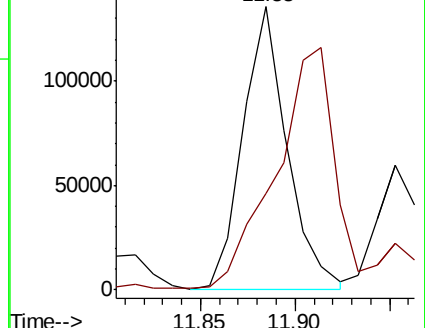
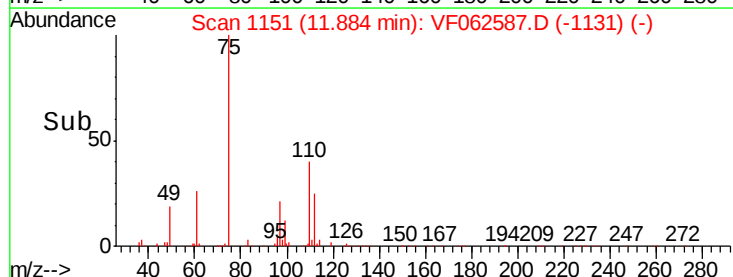
75 100

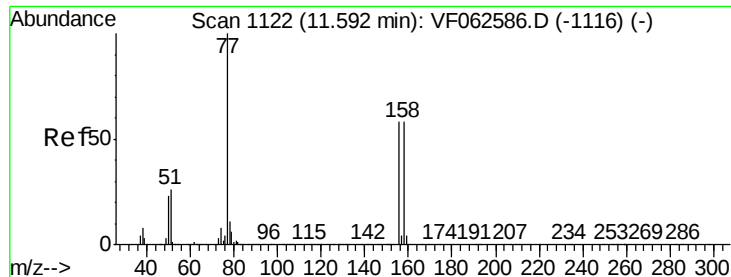
77 34.2 20.4 61.3



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

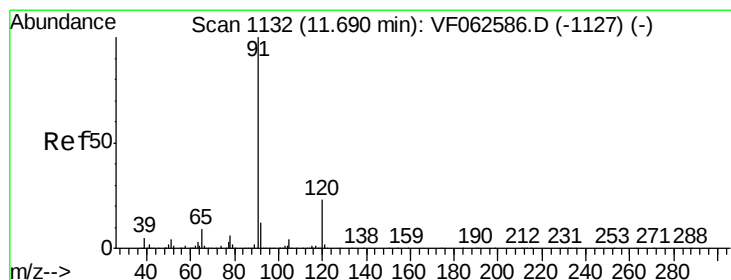
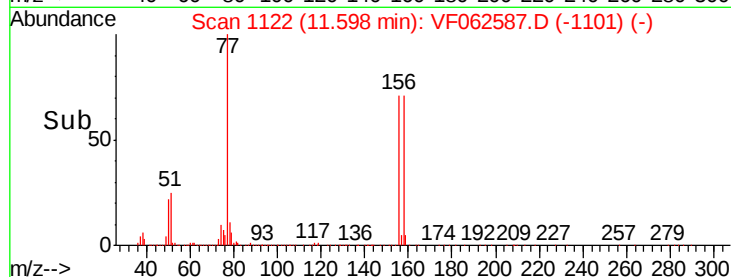
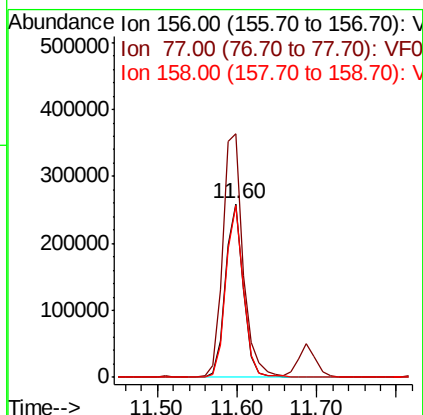
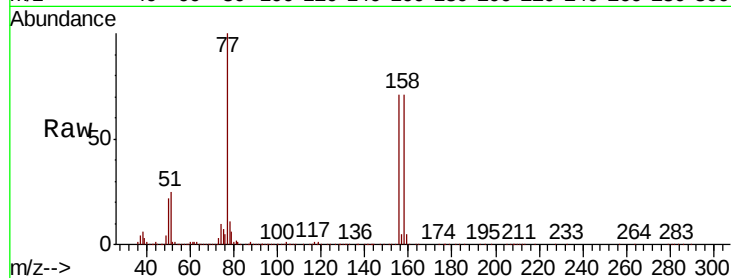




#77
Bromobenzene
Concen: 65.310 ug/l
RT: 11.60 min Scan# 1122
Delta R.T. 0.01 min
Lab File: VF062587.D
Acq: 14 May 2019 17:20

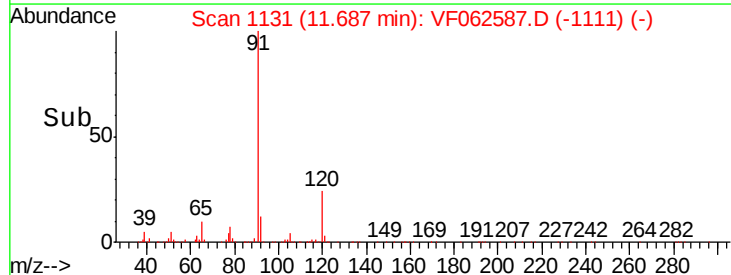
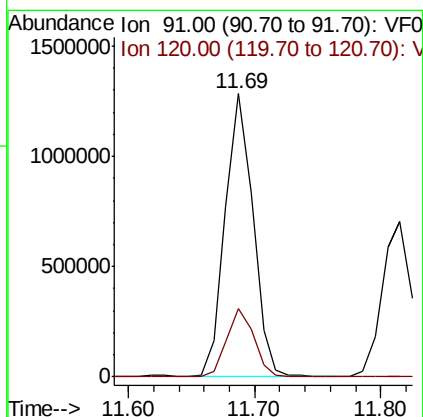
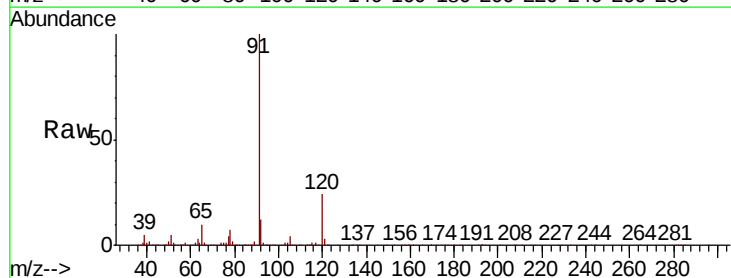
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

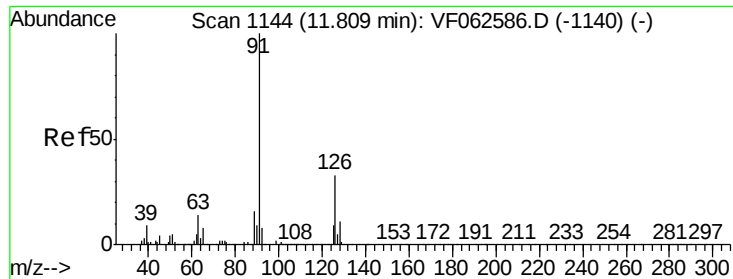
Tot Ion:156 Resp: 412532
Ion Ratio Lower Upper
156 100
77 140.5 86.5 259.5
158 99.5 50.3 150.9



#78
n-propylbenzene
Concen: 56.706 ug/l
RT: 11.69 min Scan# 1131
Delta R.T. -0.00 min
Lab File: VF062587.D
Acq: 14 May 2019 17:20

Tgt Ion: 91 Resp: 1968582
Ion Ratio Lower Upper
91 100
120 24.2 11.7 35.1





#79

2-Chlorotoluene

Concen: 57.643 ug/l

RT: 11.82 min Scan# 1144

Delta R.T. 0.01 min

Lab File: VF062587.D

Acq: 14 May 2019 17:20

Instrument :

MSVOA_F

ClientSampleId :

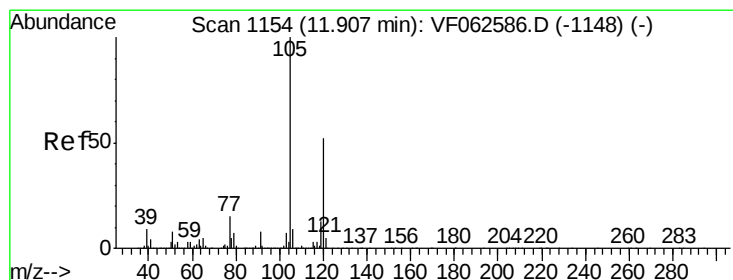
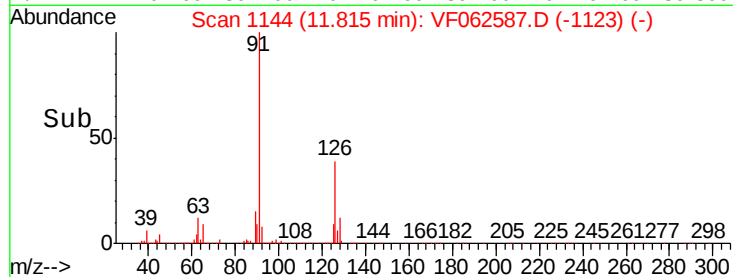
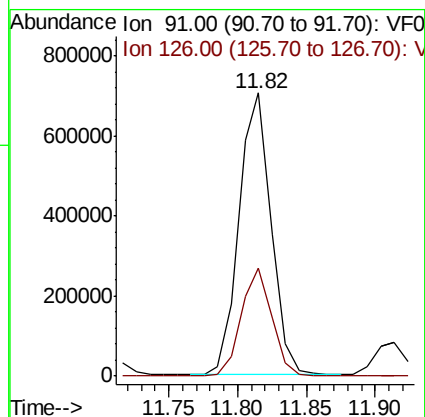
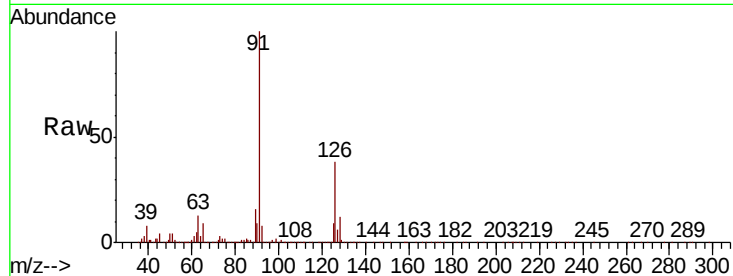
VSTDIC075

Tot Ion: 91 Resp: 1143056

Ion Ratio Lower Upper

91 100

126 38.4 16.6 49.8



#80

1,3,5-Trimethylbenzene

Concen: 54.494 ug/l

RT: 11.91 min Scan# 1154

Delta R.T. 0.01 min

Lab File: VF062587.D

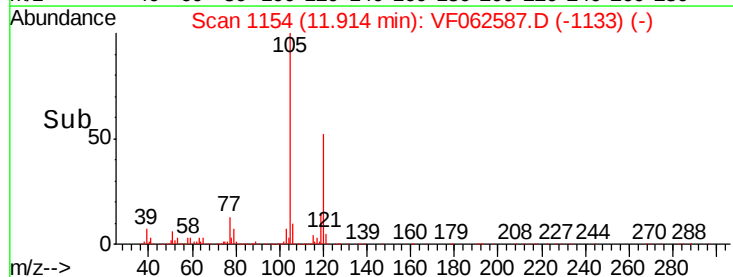
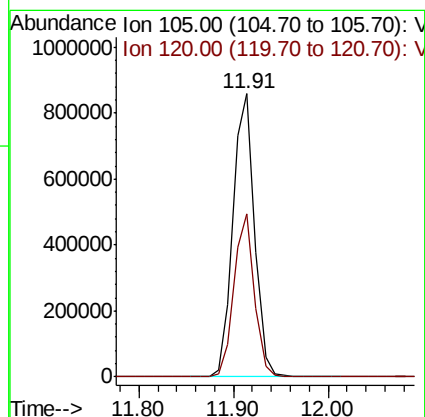
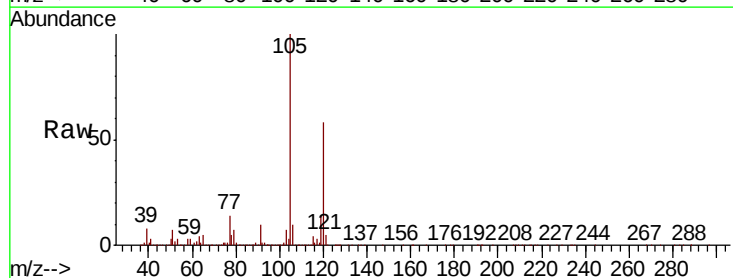
Acq: 14 May 2019 17:20

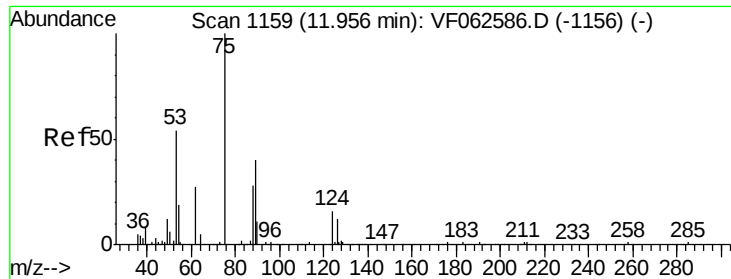
Tgt Ion: 105 Resp: 1354659

Ion Ratio Lower Upper

105 100

120 57.6 25.9 77.6





#81

trans-1,4-Dichloro-2-butene

Concen: 83.554 ug/l

RT: 11.95 min Scan# 1158

Delta R.T. -0.00 min

Lab File: VF062587.D

Acq: 14 May 2019 17:20

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

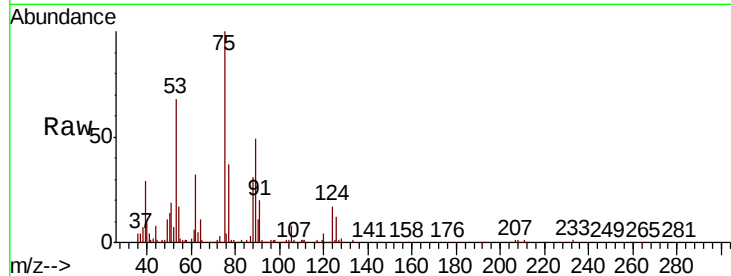
Tot Ion: 75 Resp: 122885

Ion Ratio Lower Upper

75 100

53 67.9 46.6 70.0

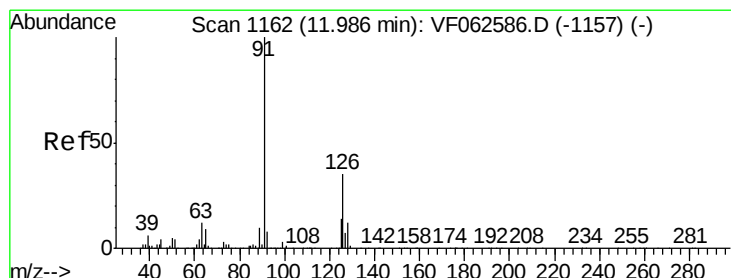
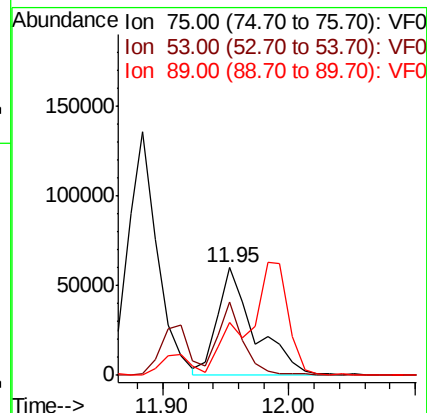
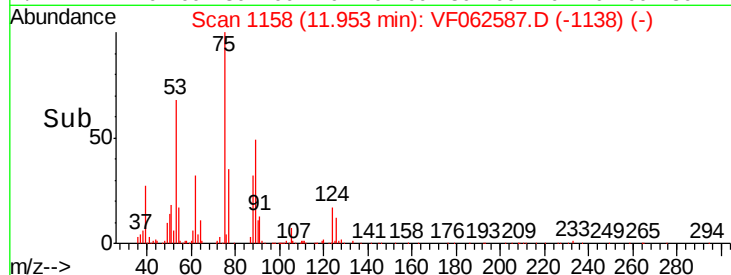
89 48.7 33.8 50.8



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: 54.424 ug/l

RT: 11.99 min Scan# 1162

Delta R.T. 0.01 min

Lab File: VF062587.D

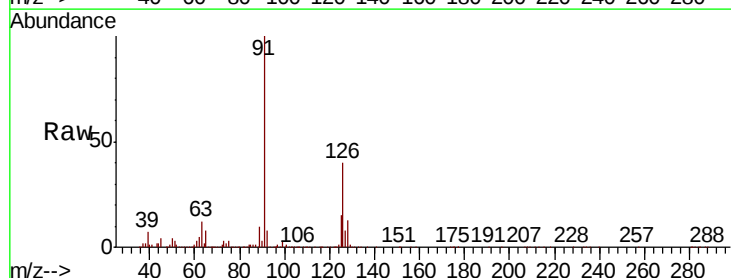
Acq: 14 May 2019 17:20

Tgt Ion: 91 Resp: 1091021

Ion Ratio Lower Upper

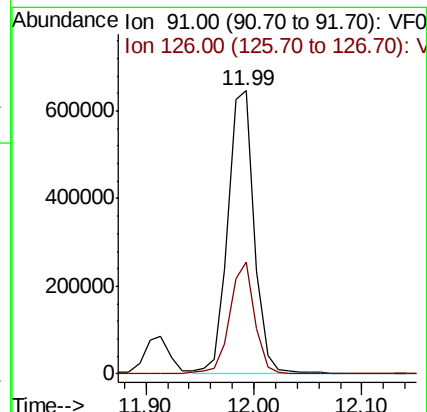
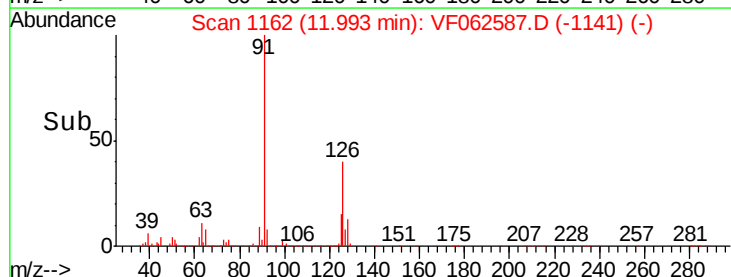
91 100

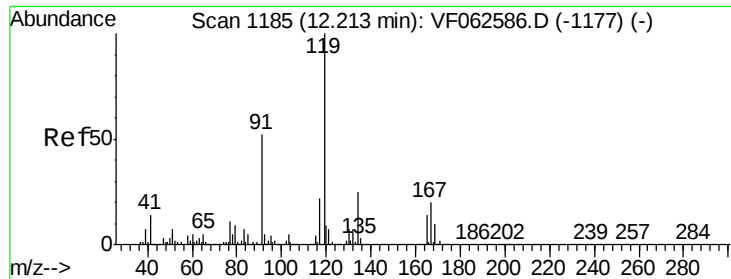
126 39.7 17.5 52.5



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V





#83

tert-Butylbenzene

Concen: 59.327 ug/l

RT: 12.21 min Scan# 1184

Delta R.T. -0.00 min

Lab File: VF062587.D

Acq: 14 May 2019 17:20

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

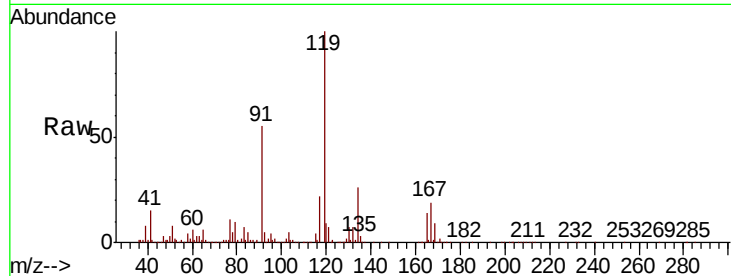
Tot Ion:119 Resp: 1493087

Ion Ratio Lower Upper

119 100

91 55.5 26.0 78.0

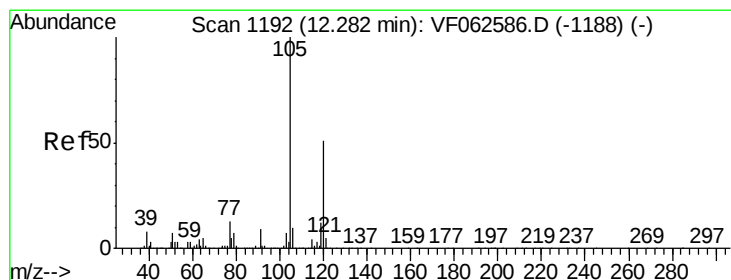
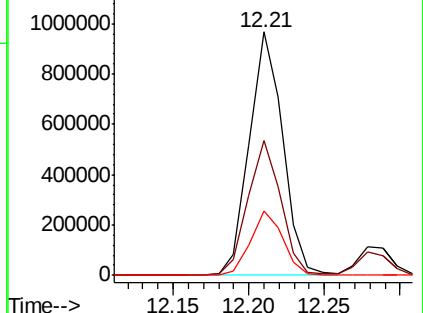
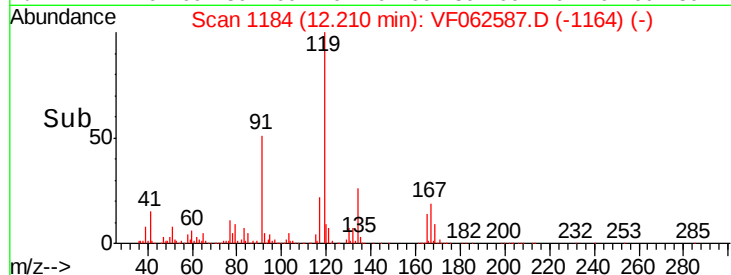
134 26.2 12.6 37.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VF0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 55.173 ug/l

RT: 12.28 min Scan# 1191

Delta R.T. -0.00 min

Lab File: VF062587.D

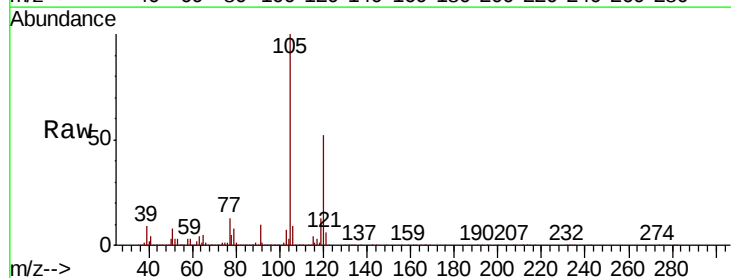
Acq: 14 May 2019 17:20

Tgt Ion:105 Resp: 1366178

Ion Ratio Lower Upper

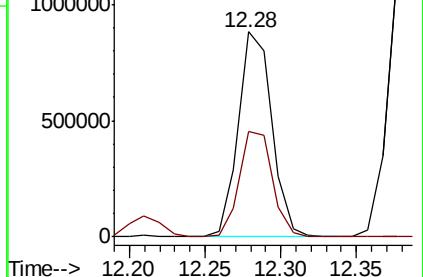
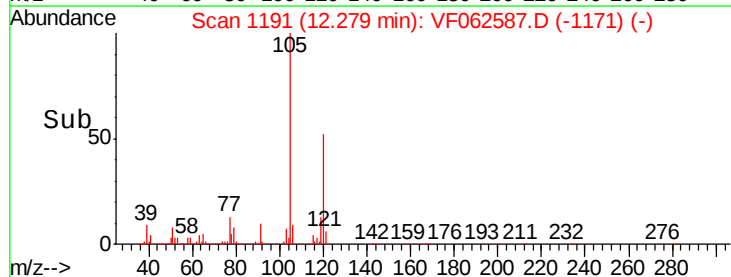
105 100

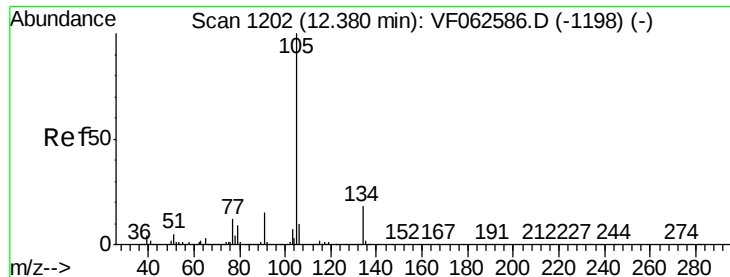
120 51.7 25.4 76.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 60.973 ug/l

RT: 12.39 min Scan# 1202

Delta R.T. 0.01 min

Lab File: VF062587.D

Acq: 14 May 2019 17:20

Instrument :

MSVOA_F

ClientSampleId :

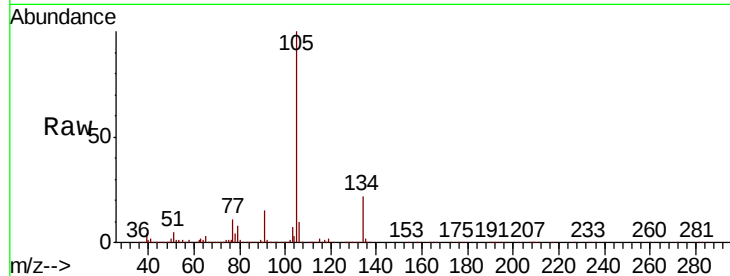
VSTDIC075

Tot Ion:105 Resp: 1955004

Ion Ratio Lower Upper

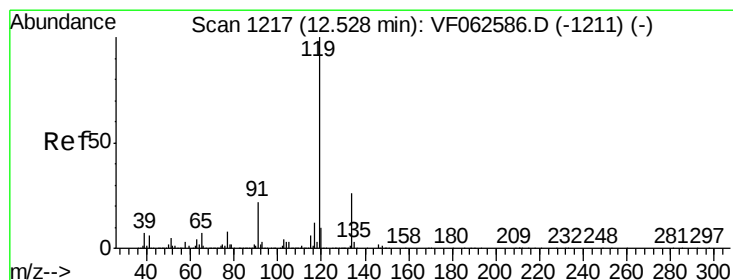
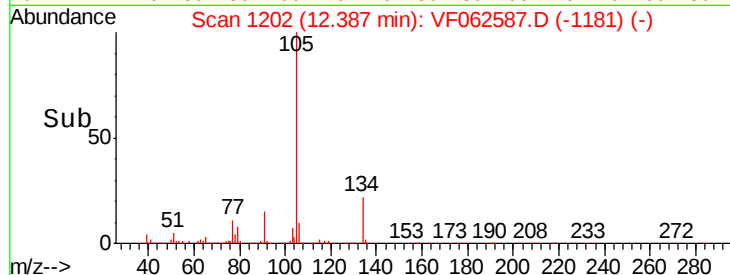
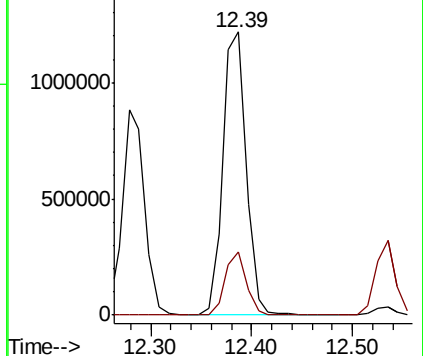
105 100

134 22.4 9.3 27.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 56.353 ug/l

RT: 12.53 min Scan# 1217

Delta R.T. 0.01 min

Lab File: VF062587.D

Acq: 14 May 2019 17:20

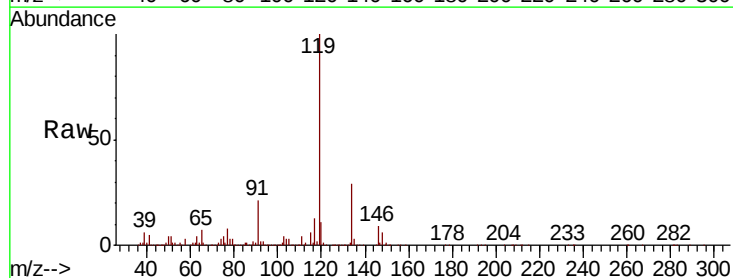
Tgt Ion:119 Resp: 1605275

Ion Ratio Lower Upper

119 100

134 29.5 13.0 39.0

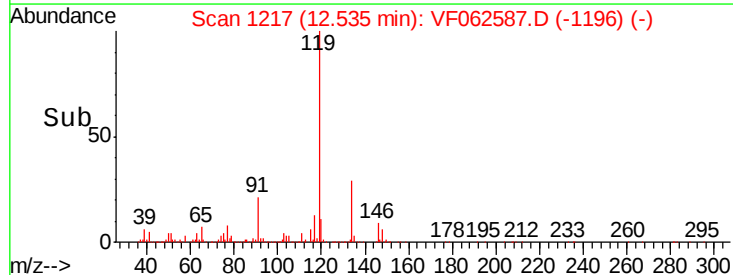
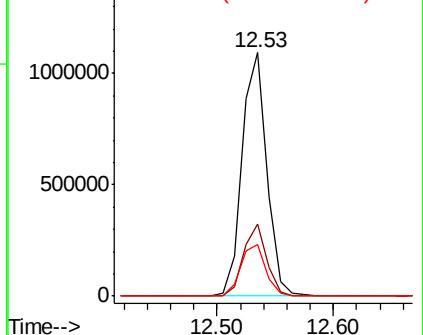
91 21.2 10.9 32.9

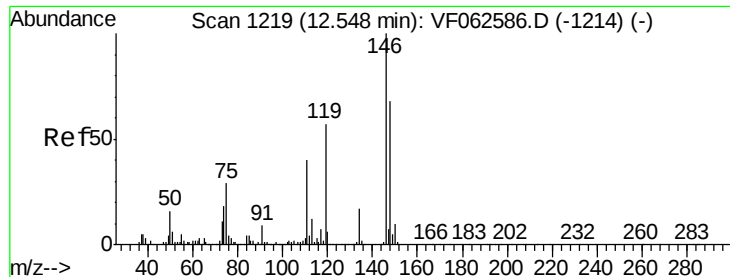


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0

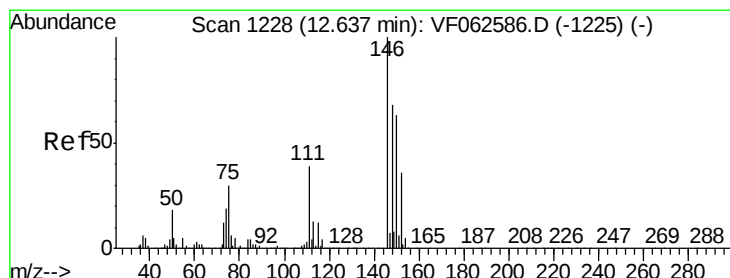
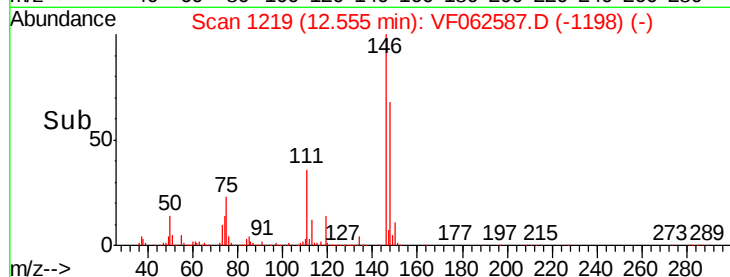
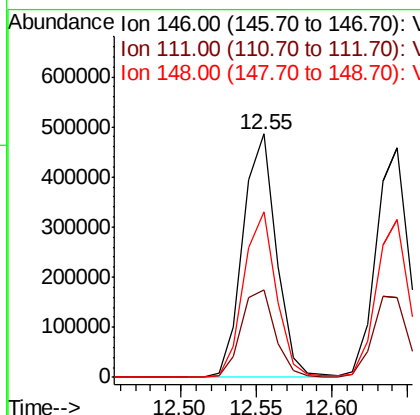
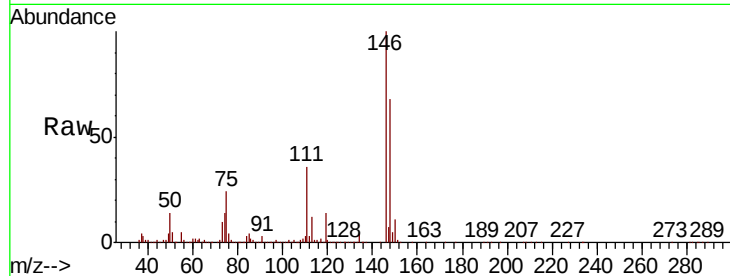




#87
 1,3-Dichlorobenzene
 Concen: 62.610 ug/l
 RT: 12.55 min Scan# 1219
 Delta R.T. 0.01 min
 Lab File: VF062587.D
 Acq: 14 May 2019 17:20

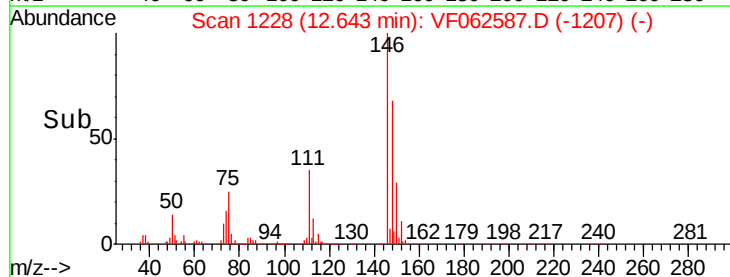
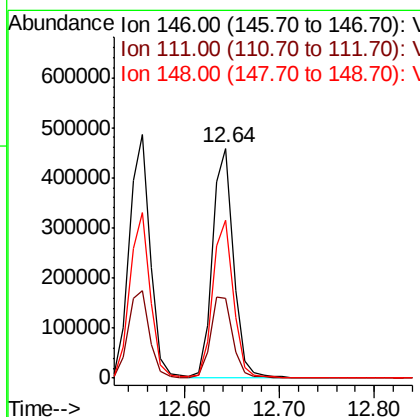
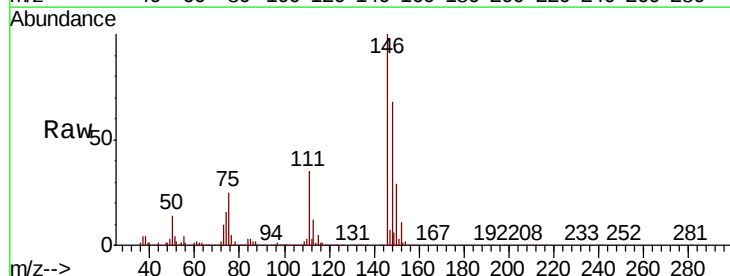
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

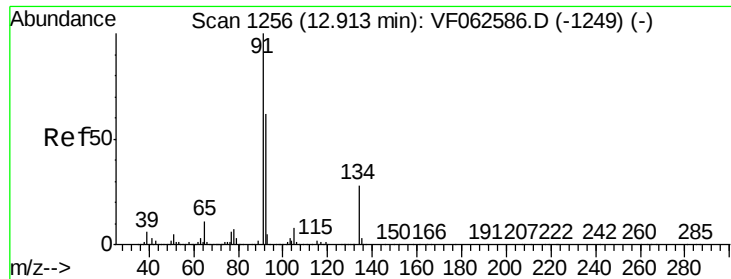
Tot Ion:146 Resp: 748692
 Ion Ratio Lower Upper
 146 100
 111 35.7 20.1 60.2
 148 68.2 34.0 101.8



#88
 1,4-Dichlorobenzene
 Concen: 58.633 ug/l
 RT: 12.64 min Scan# 1228
 Delta R.T. 0.01 min
 Lab File: VF062587.D
 Acq: 14 May 2019 17:20

Tgt Ion:146 Resp: 710652
 Ion Ratio Lower Upper
 146 100
 111 34.6 19.4 58.1
 148 68.3 34.2 102.5





#89

n-Butylbenzene

Concen: 56.200 ug/l

RT: 12.91 min Scan# 1255

Delta R.T. -0.00 min

Lab File: VF062587.D

Acq: 14 May 2019 17:20

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

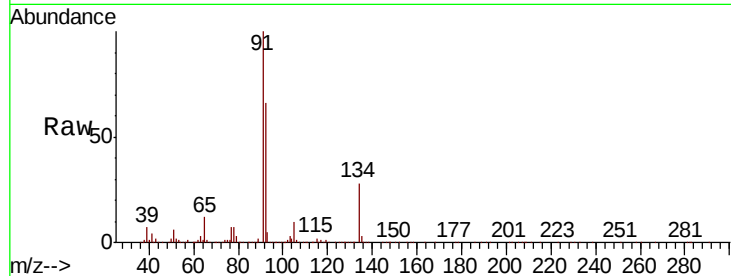
Tot Ion: 91 Resp: 1556869

Ion	Ratio	Lower	Upper
91	100		
92	66.1	30.9	92.8
134	28.3	13.9	41.6

91 100

92 66.1 30.9 92.8

134 28.3 13.9 41.6

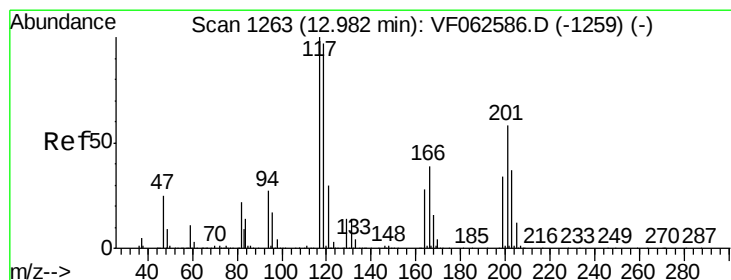
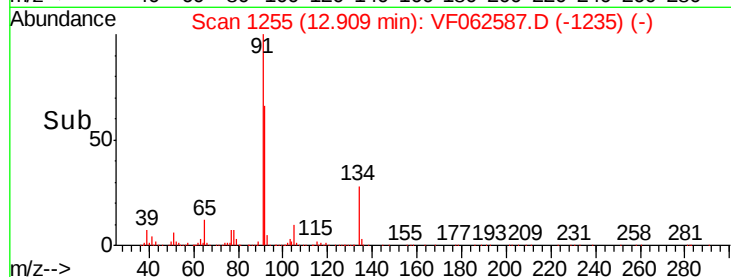
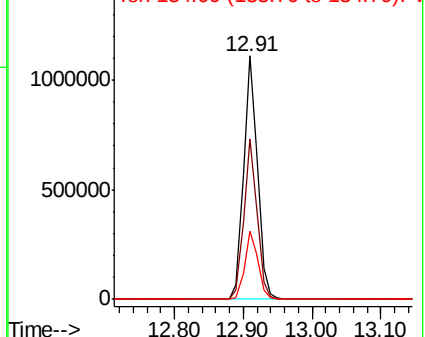


Abundance

Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 63.397 ug/l

RT: 12.99 min Scan# 1263

Delta R.T. 0.01 min

Lab File: VF062587.D

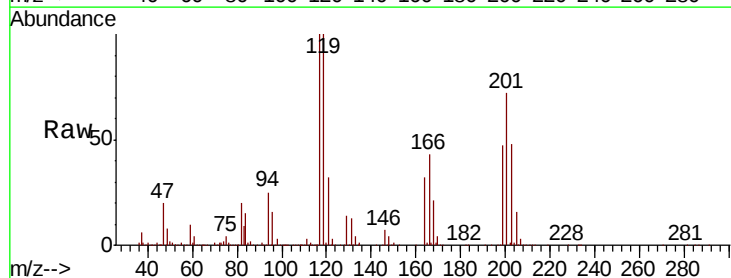
Acq: 14 May 2019 17:20

Tgt Ion: 117 Resp: 424227

Ion	Ratio	Lower	Upper
117	100		
201	71.9	29.7	89.1

117 100

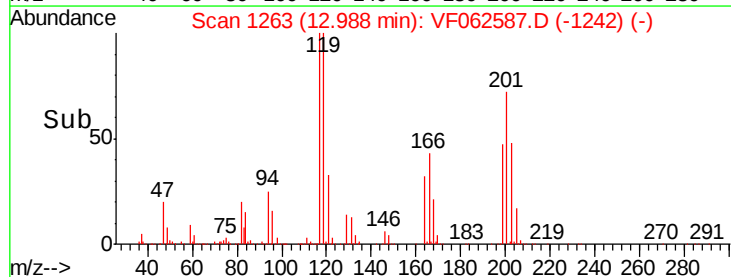
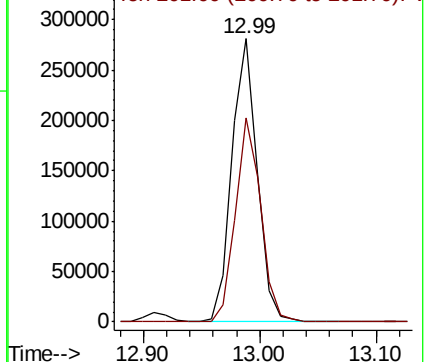
201 71.9 29.7 89.1

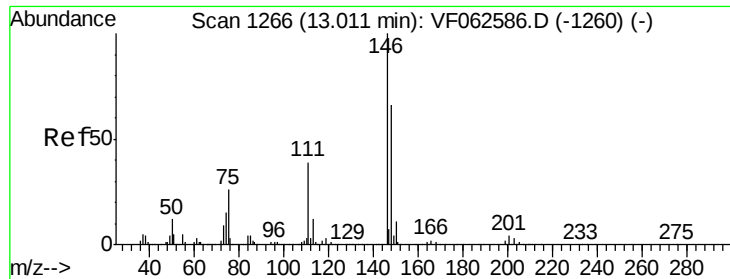


Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V





#91

1,2-Dichlorobenzene

Concen: 60.926 ug/l

RT: 13.01 min Scan# 1265

Delta R.T. -0.00 min

Lab File: VF062587.D

Acq: 14 May 2019 17:20

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

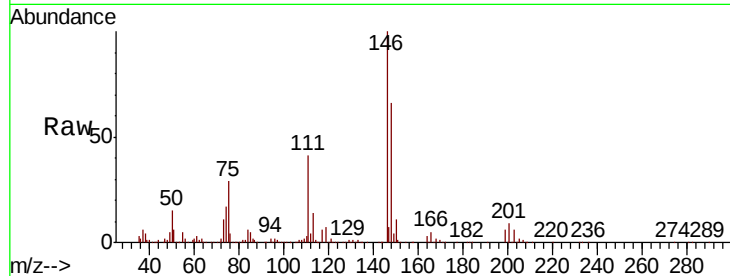
Tot Ion:146 Resp: 689848

Ion Ratio Lower Upper

146 100

111 41.3 19.4 58.2

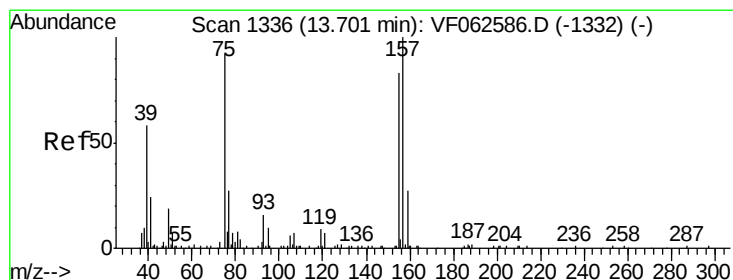
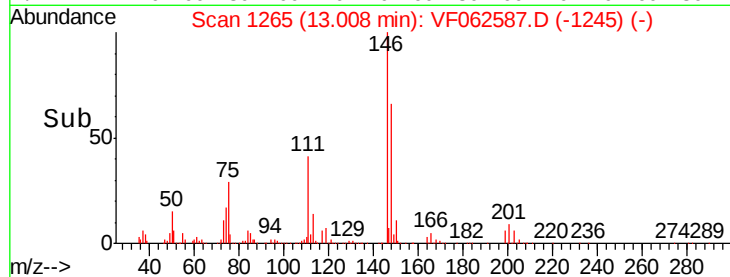
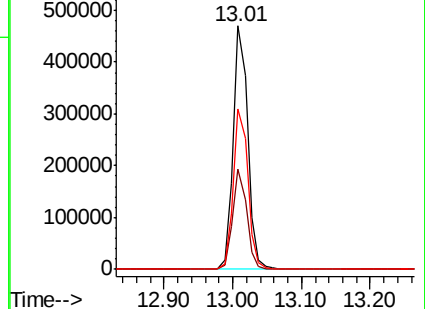
148 66.0 33.1 99.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 41.737 ug/l

RT: 13.70 min Scan# 1335

Delta R.T. -0.00 min

Lab File: VF062587.D

Acq: 14 May 2019 17:20

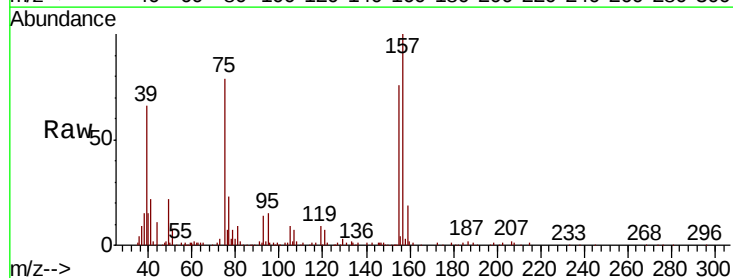
Tgt Ion: 75 Resp: 42212

Ion Ratio Lower Upper

75 100

155 96.4 44.8 134.4

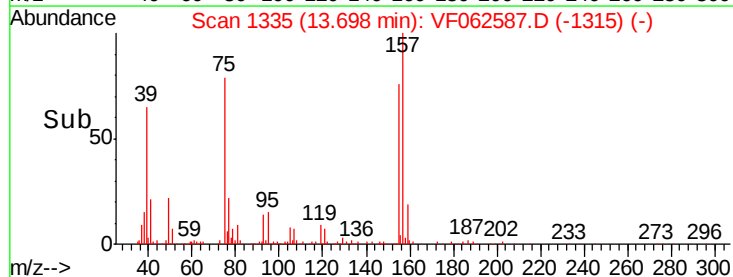
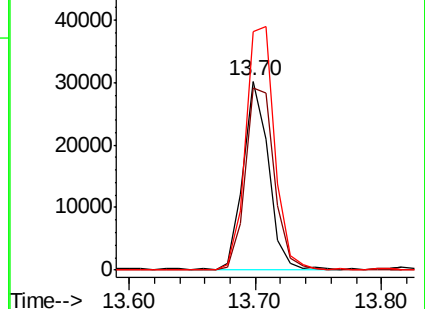
157 126.1 54.1 162.3

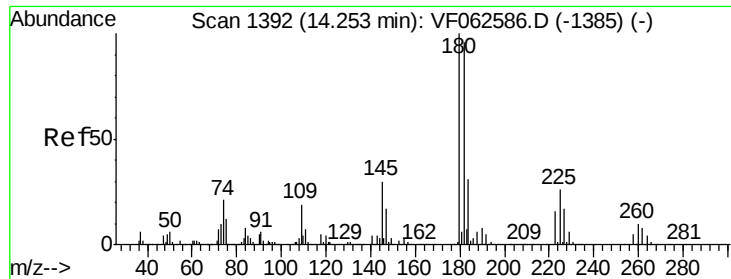


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

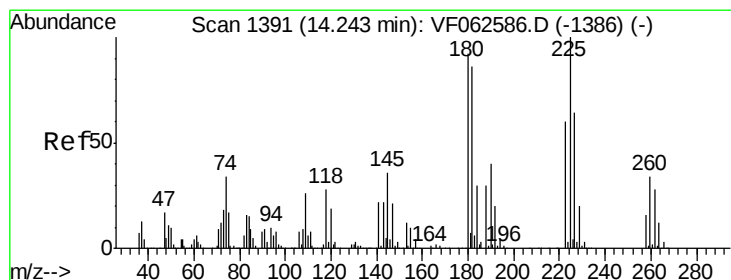
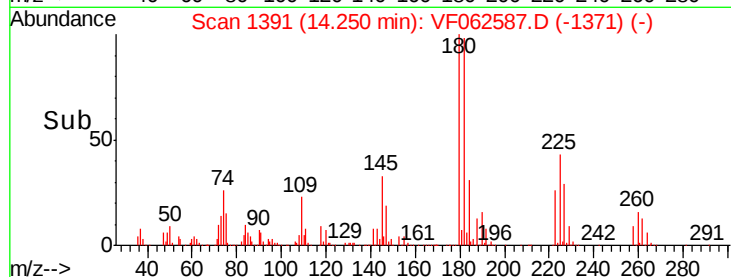
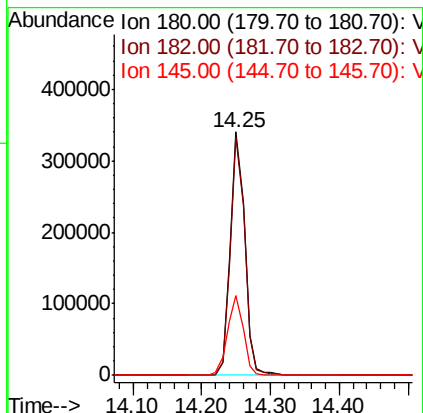
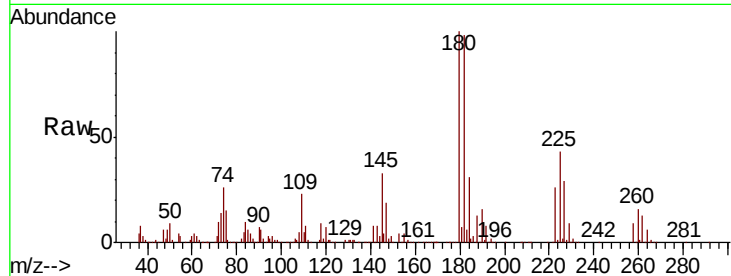




#93
 1,2,4-Trichlorobenzene
 Concen: 60.426 ug/l
 RT: 14.25 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VF062587.D
 Acq: 14 May 2019 17:20

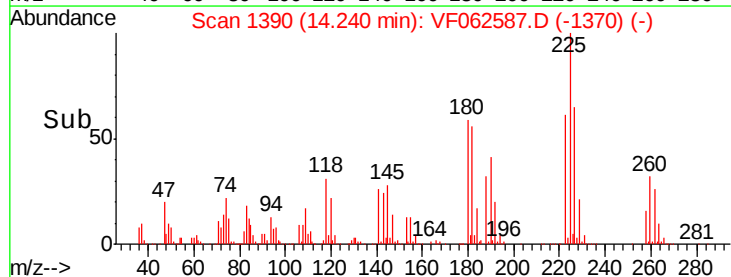
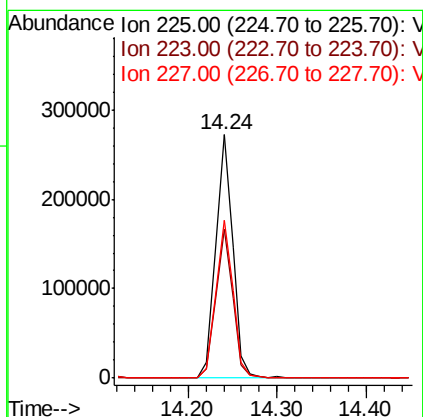
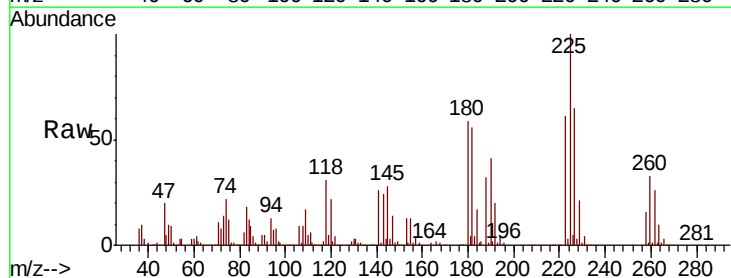
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

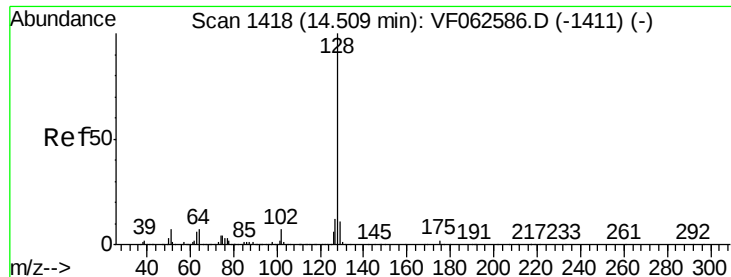
Tot Ion:180 Resp: 499324
 Ion Ratio Lower Upper
 180 100
 182 97.9 47.9 143.8
 145 33.0 14.8 44.4



#94
 Hexachlorobutadiene
 Concen: 67.668 ug/l
 RT: 14.24 min Scan# 1390
 Delta R.T. -0.00 min
 Lab File: VF062587.D
 Acq: 14 May 2019 17:20

Tgt Ion:225 Resp: 362929
 Ion Ratio Lower Upper
 225 100
 223 61.0 29.9 89.7
 227 64.9 31.9 95.9





#95

Naphthalene

Concen: 65.168 ug/l

RT: 14.51 min Scan# 1417

Delta R.T. -0.00 min

Lab File: VF062587.D

Acq: 14 May 2019 17:20

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

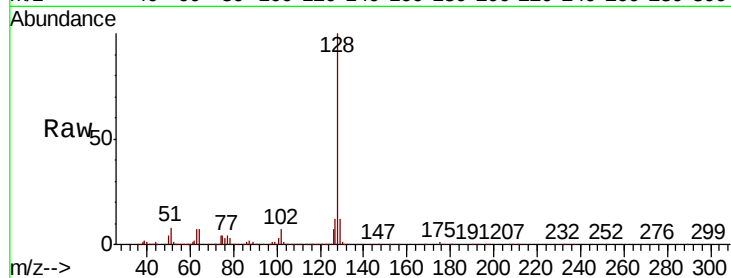
Tot Ion:128 Resp: 882422

Ion Ratio Lower Upper

128 100

127 12.1 9.5 14.3

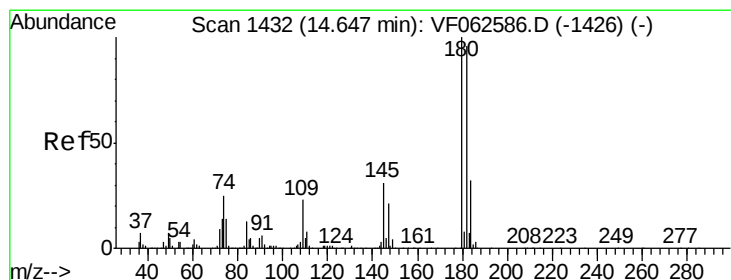
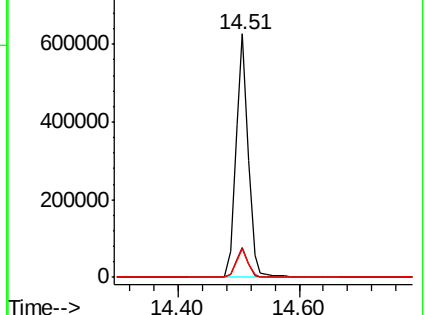
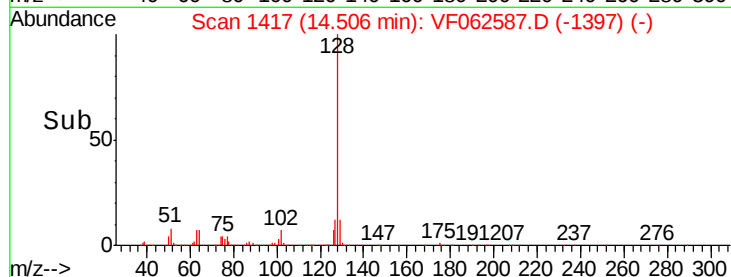
129 11.9 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 63.992 ug/l

RT: 14.65 min Scan# 1432

Delta R.T. 0.01 min

Lab File: VF062587.D

Acq: 14 May 2019 17:20

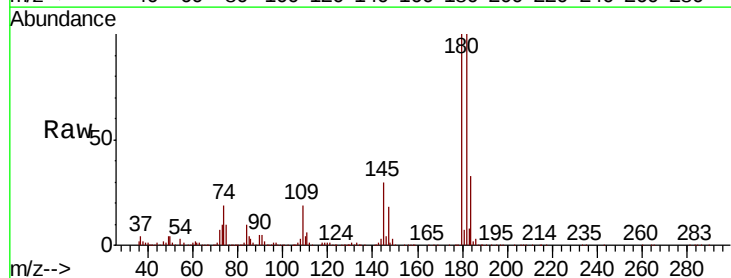
Tgt Ion:180 Resp: 461341

Ion Ratio Lower Upper

180 100

182 99.8 48.1 144.3

145 29.6 15.6 46.7



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

