

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 04:58:20 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

33) 1,2-Dichloroethane-d4	5.06	65	329765	49.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.18%	
35) Dibromofluoromethane	4.33	113	565027	72.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	144.72%	
50) Toluene-d8	7.73	98	1317431	59.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	119.92%	
62) 4-Bromofluorobenzene	11.51	95	462084	52.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.30%	

Target Compounds

						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	423917m	53.595	ug/l	
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	417469m	55.548	ug/l	
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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 Response via : Initial Calibration

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	94196m	64.047	ug/l	
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

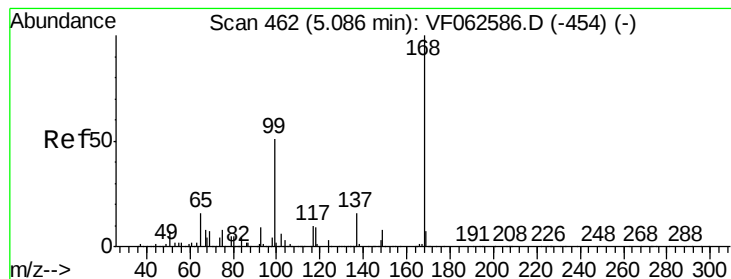
Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051419\
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Quant Title : SW846 8260
QLast Update : Wed May 15 04:31:17 2019
Response via : Initial Calibration

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

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



#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 :

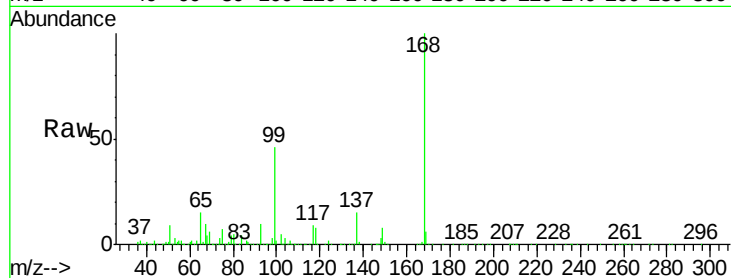
VSTDIC075

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

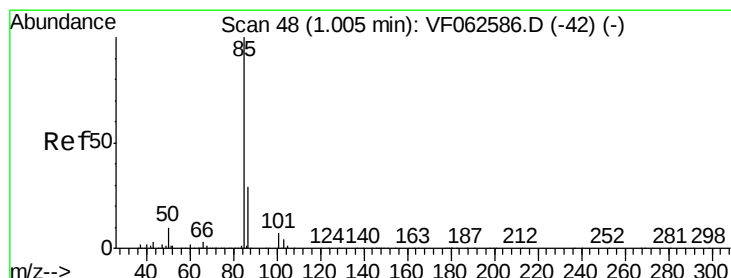
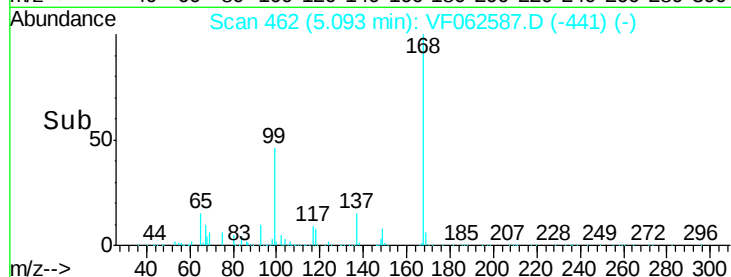
150000

100000

50000

0

Time--> 4.90 5.00 5.10 5.20 5.30



#2

Dichlorodifluoromethane

Concen: 50.307 ug/l

RT: 1.01 min Scan# 48

Delta R.T. 0.01 min

Lab File: VF062587.D

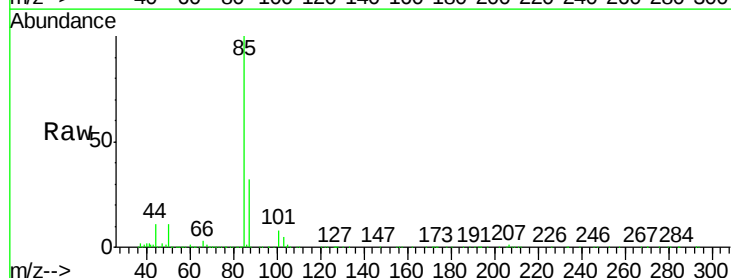
Acq: 14 May 2019 17:20

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

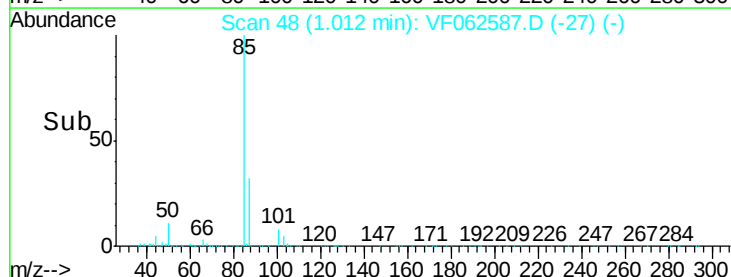
1.01

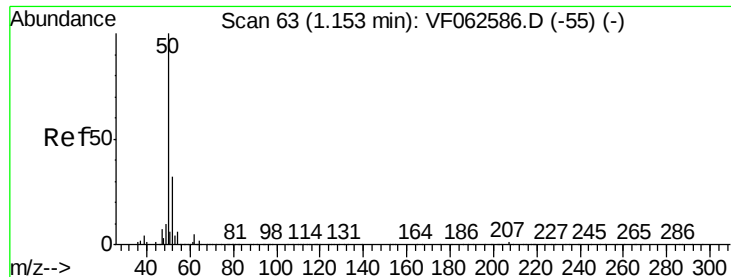
100000

50000

0

Time--> 0.80 0.90 1.00 1.10 1.20





#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 :

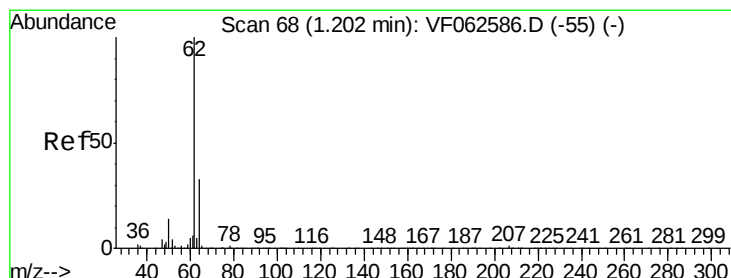
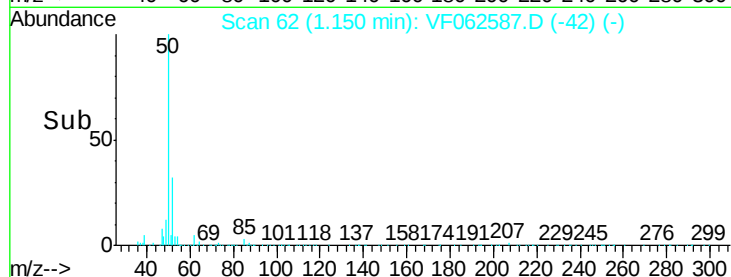
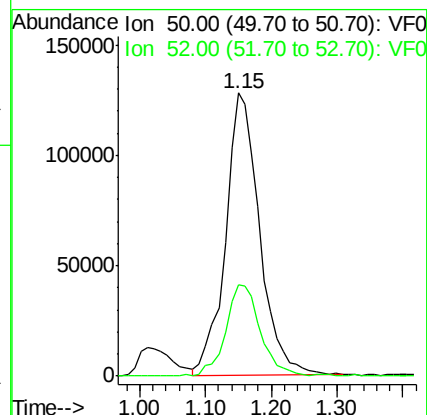
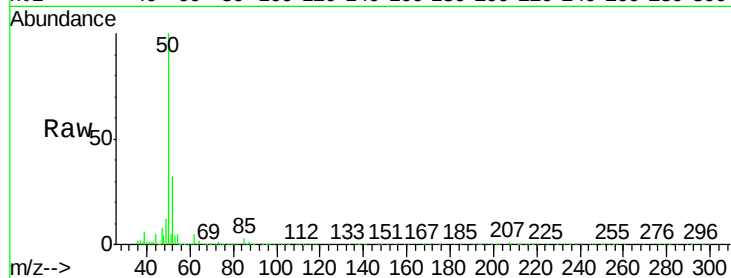
VSTDIC075

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

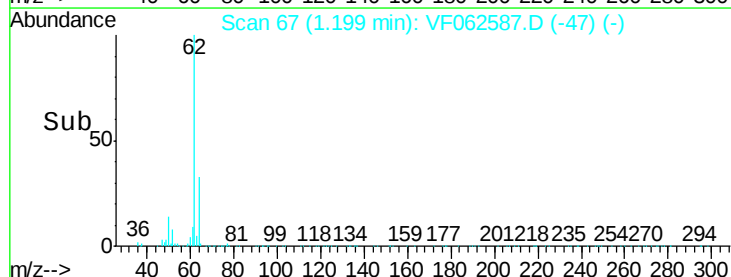
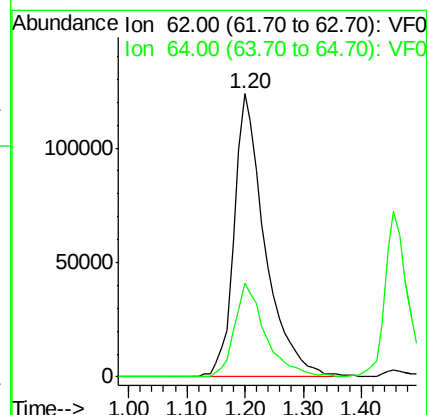
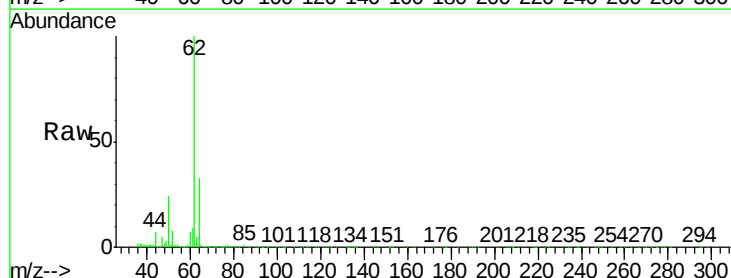
Acq: 14 May 2019 17:20

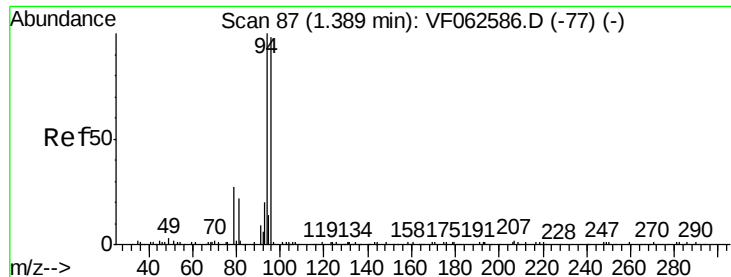
Tgt Ion: 62 Resp: 457118

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 :

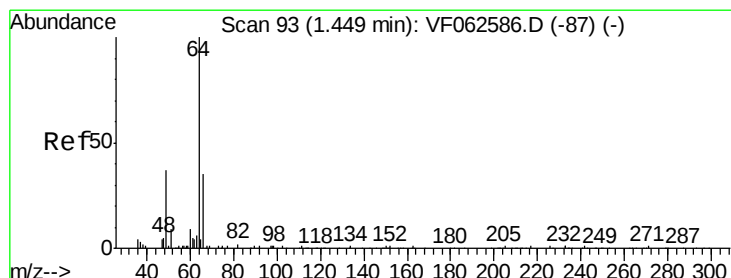
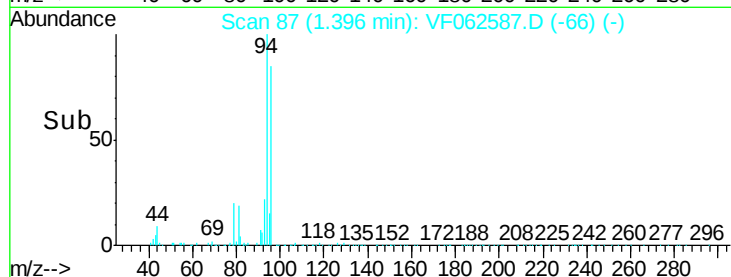
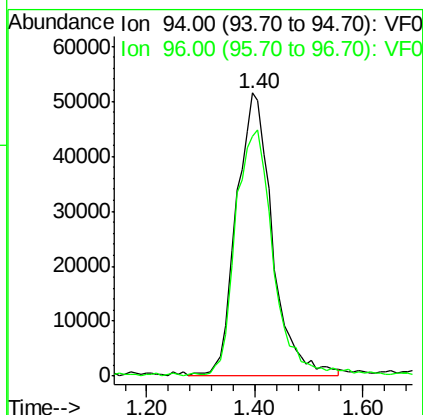
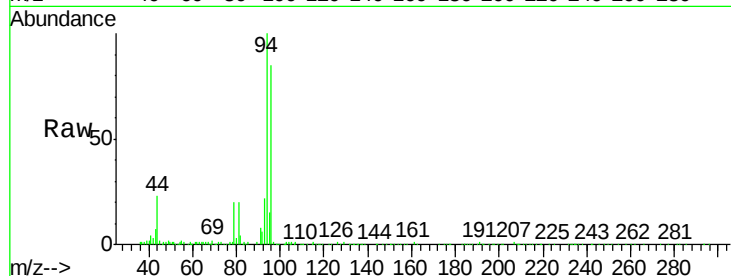
VSTDIC075

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

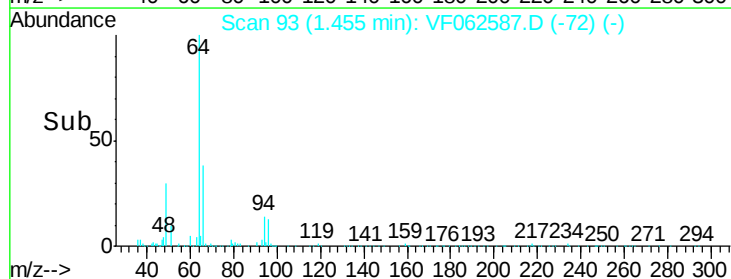
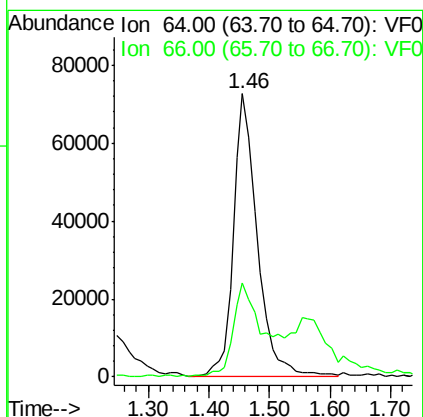
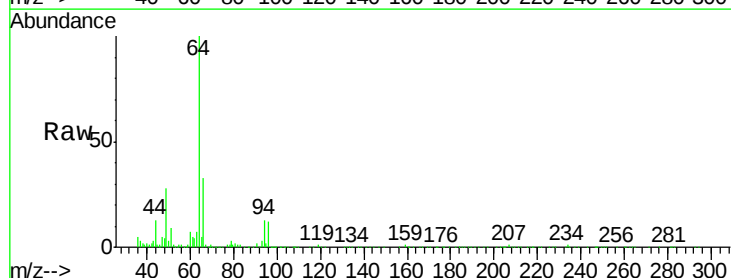
Acq: 14 May 2019 17:20

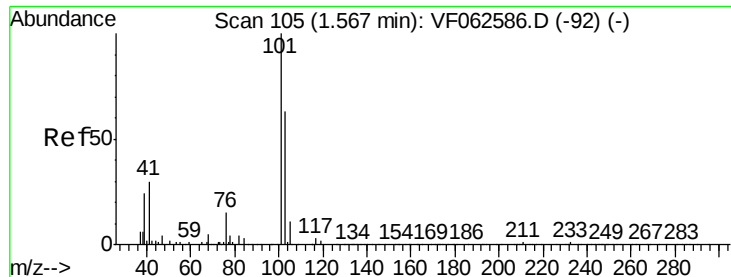
Tgt Ion: 64 Resp: 197727

Ion Ratio Lower Upper

64 100

66 33.0 28.9 43.3



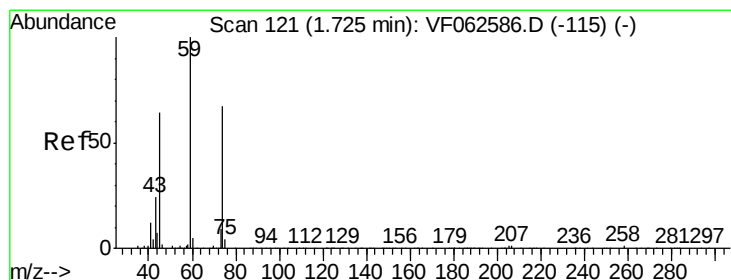
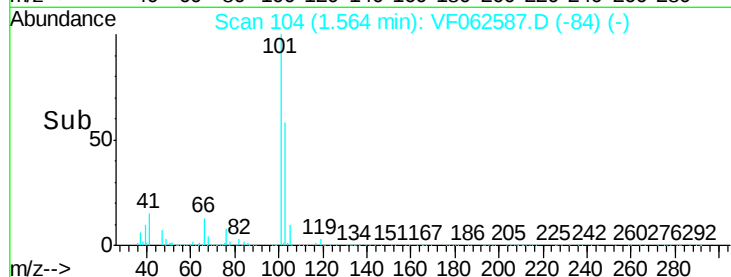
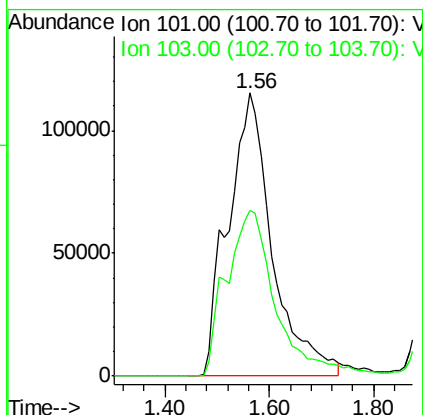
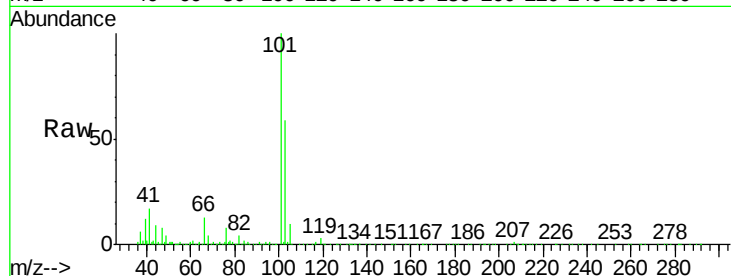


#7

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 :
MSVOA_F
ClientSampleId :
VSTDIC075

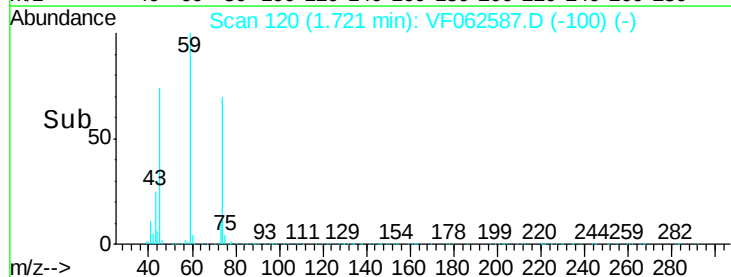
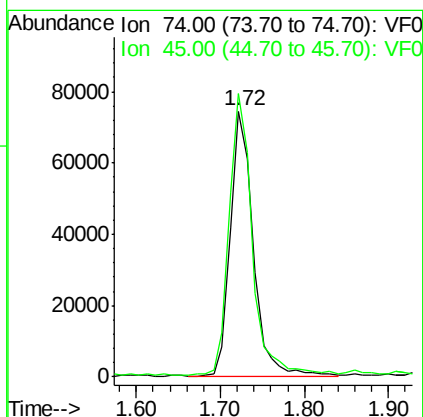
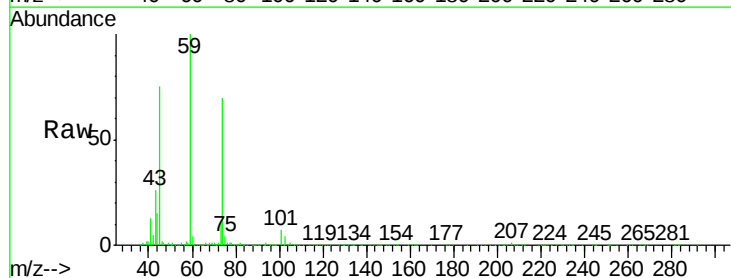
Tot Ion:101 Resp: 667788
Ion Ratio Lower Upper
101 100
103 58.6 50.8 76.2

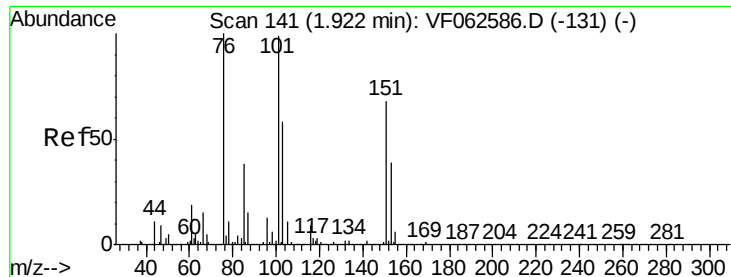


#8

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

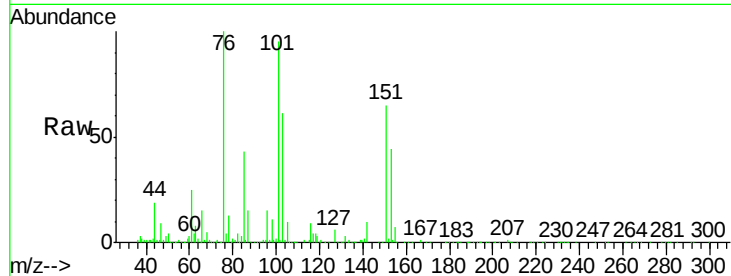
Tot Ion:101 Resp: 443164

Ion Ratio Lower Upper

101 100

85 45.5 30.2 45.4#

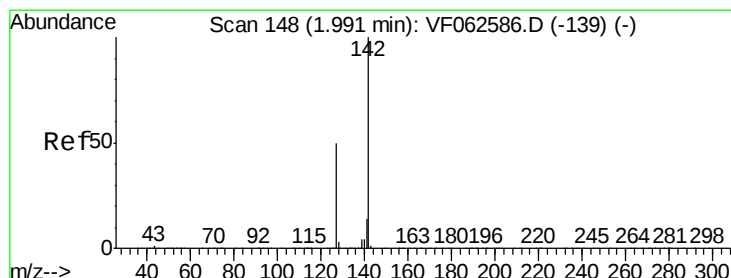
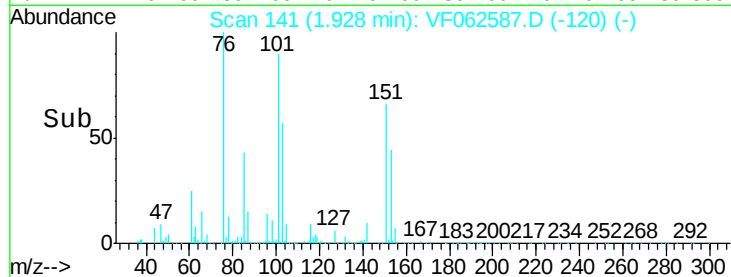
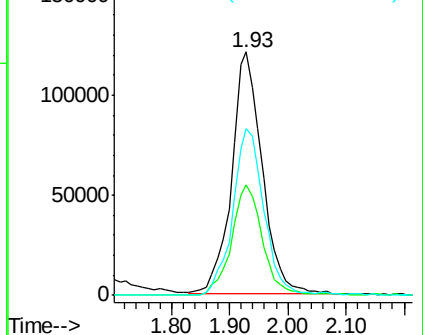
151 68.5 54.5 81.7



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

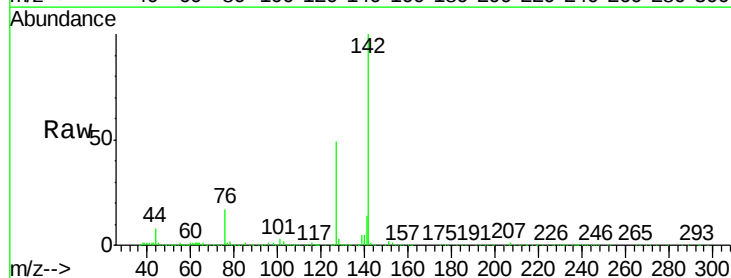
Tgt Ion:142 Resp: 752069

Ion Ratio Lower Upper

142 100

127 48.9 40.2 60.4

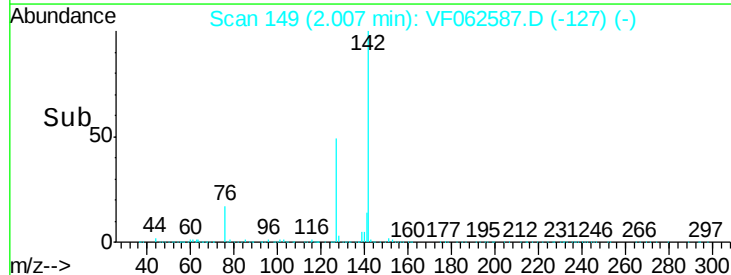
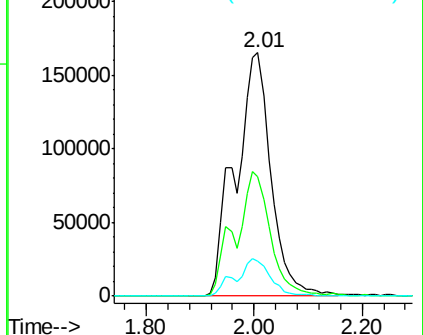
141 14.2 11.6 17.4

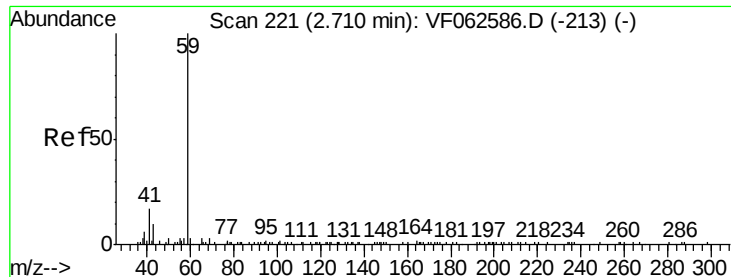


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



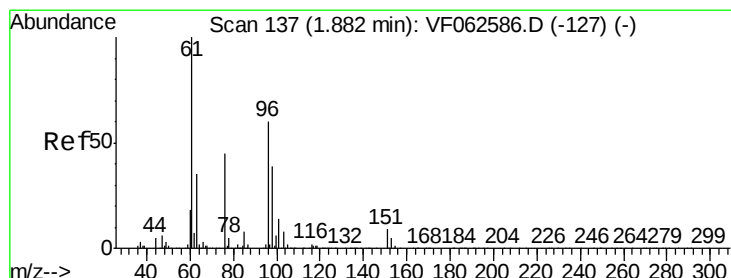
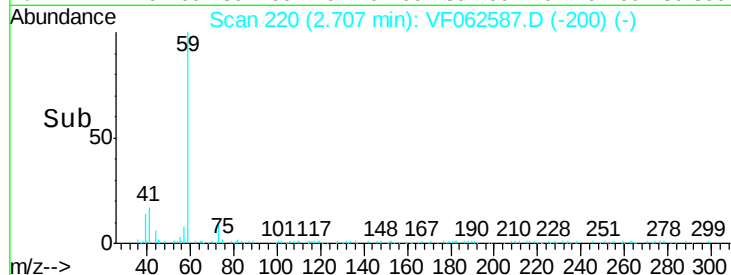
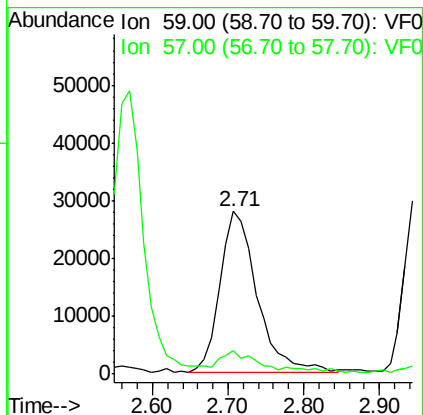
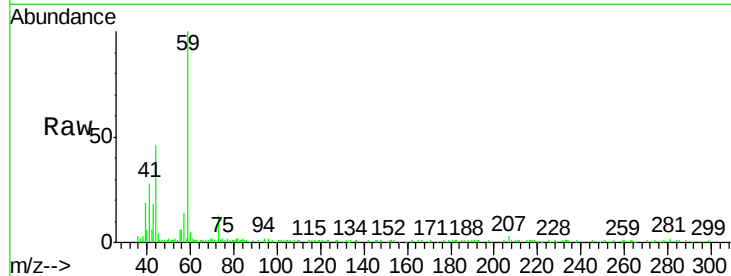


#11

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
ClientSampled :
VSTDIC075

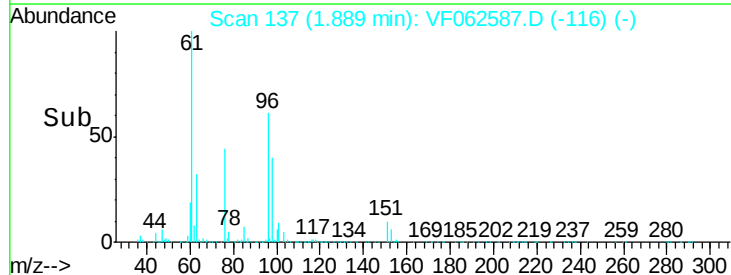
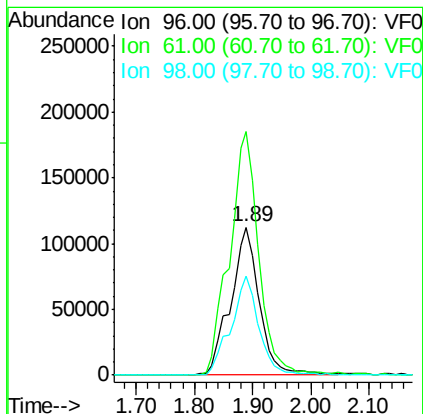
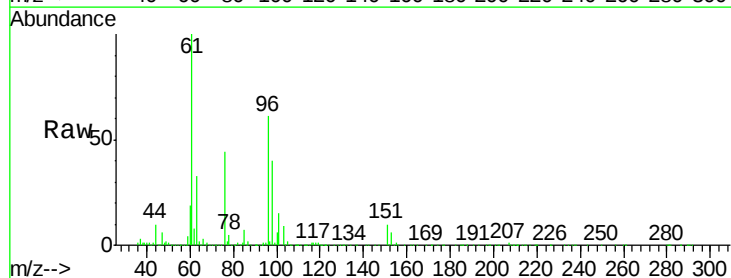
Tot Ion: 59 Resp: 95860
Ion Ratio Lower Upper
59 100
57 14.1 8.0 12.0#

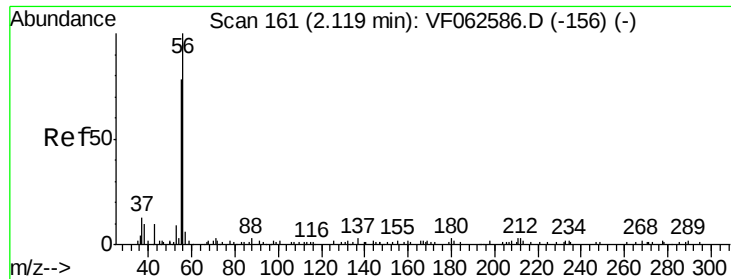


#12

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

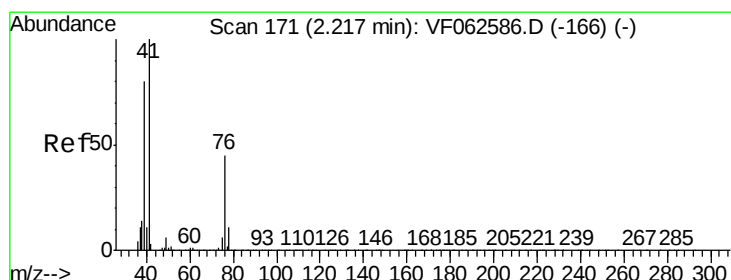
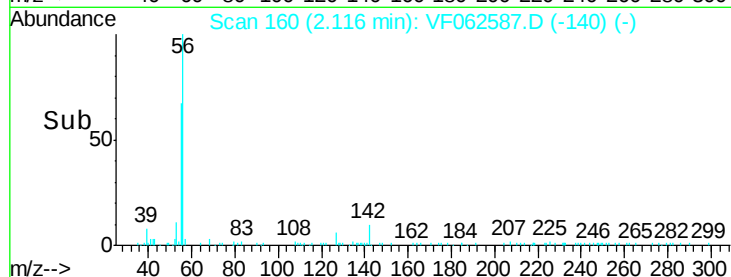
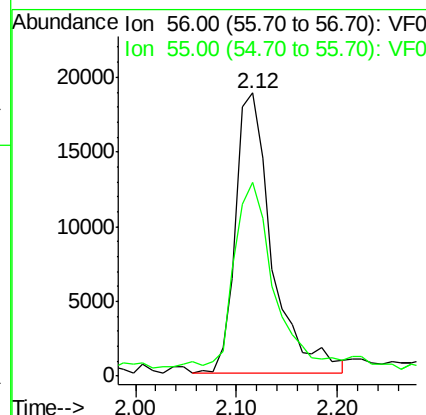
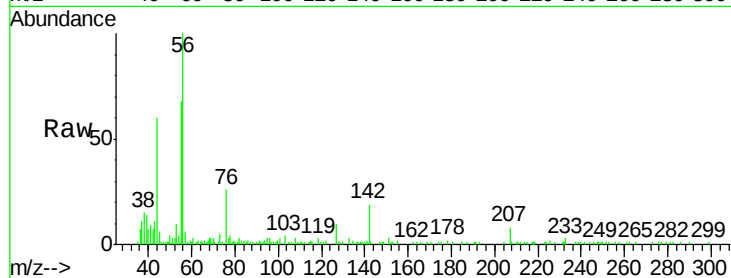




#13
Acrolein
Concen: 157.806 ug/l
RT: 2.12 min Scan# 160
Delta R.T. -0.00 min
Lab File: VF062587.D
Acq: 14 May 2019 17:20

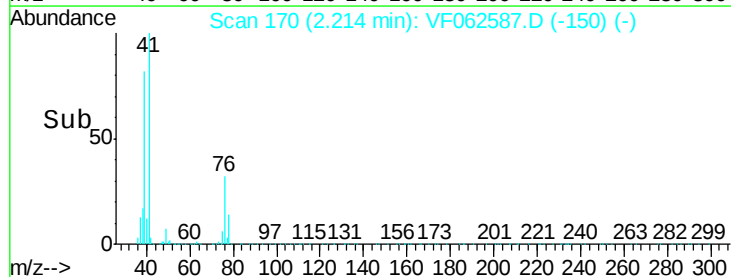
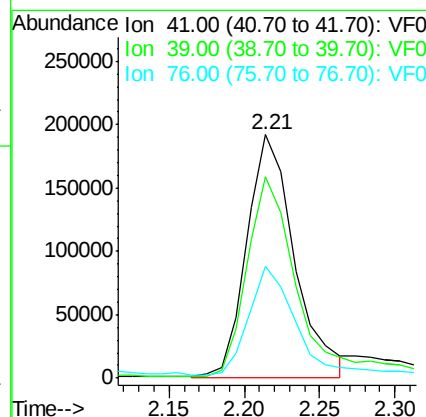
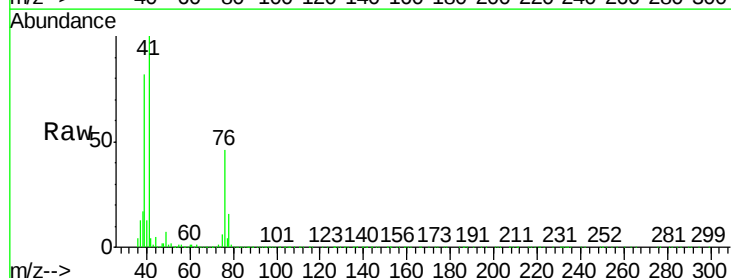
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

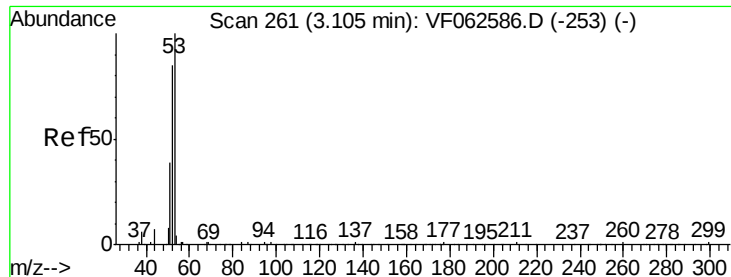
Tot Ion: 56 Resp: 47529
Ion Ratio Lower Upper
56 100
55 68.3 64.6 96.8



#14
Allyl chloride
Concen: 53.595 ug/l m
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: 423917
Ion Ratio Lower Upper
41 100
39 82.5 64.6 96.8
76 46.0 36.1 54.1





#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

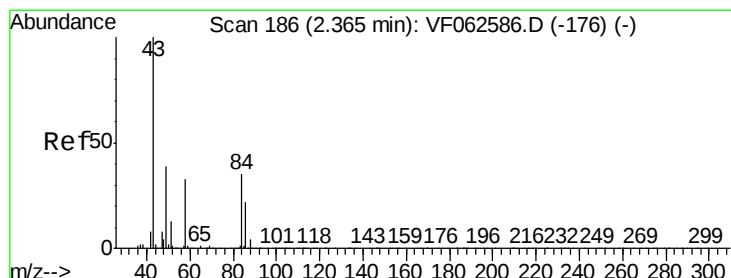
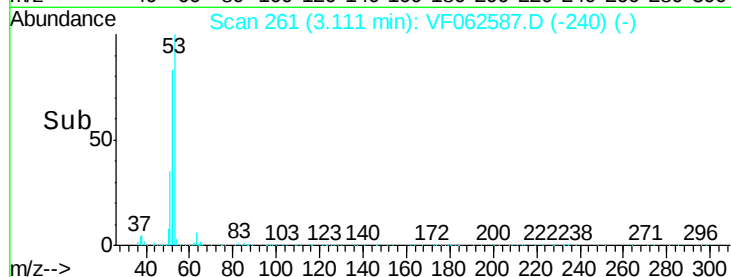
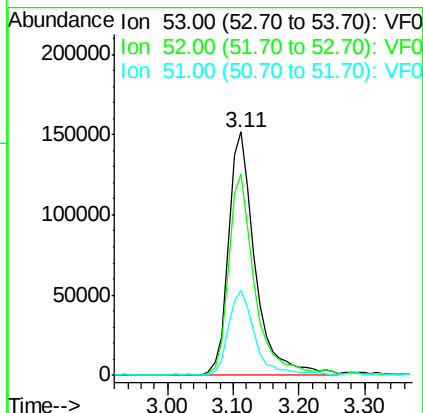
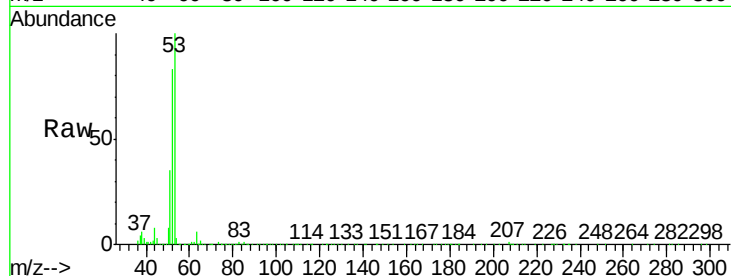
Tot Ion: 53 Resp: 428671

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

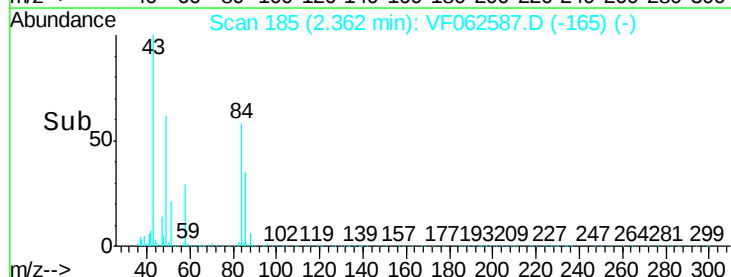
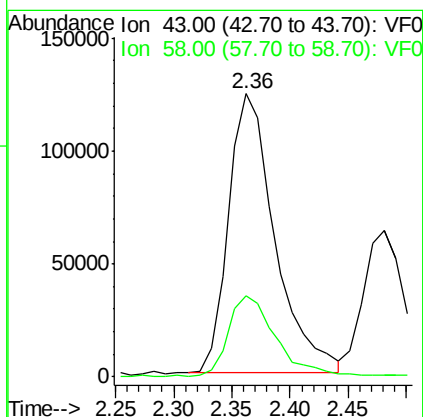
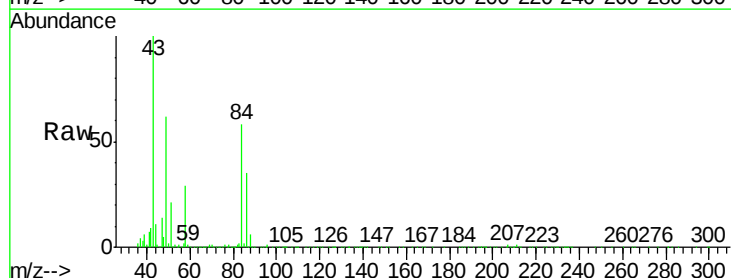
Acq: 14 May 2019 17:20

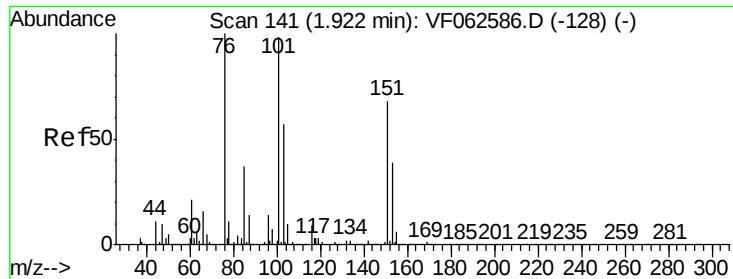
Tgt Ion: 43 Resp: 342793

Ion Ratio Lower Upper

43 100

58 28.7 26.7 40.1

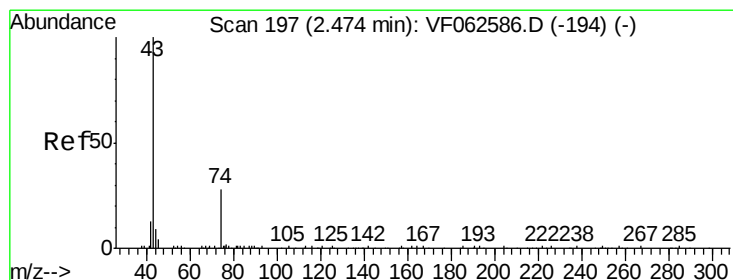
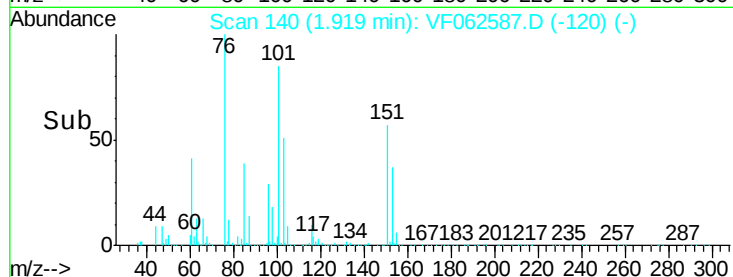
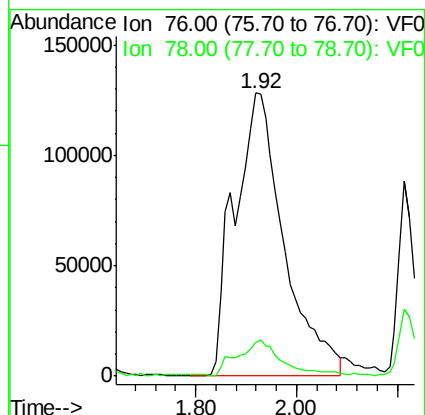
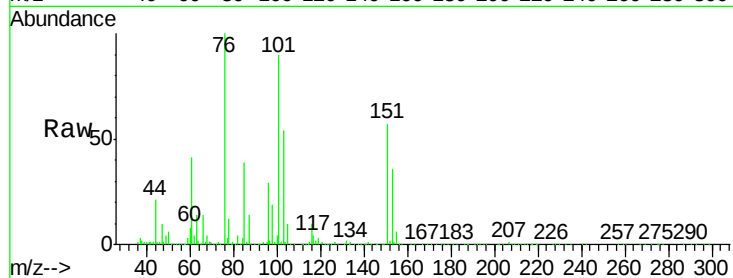




#17
Carbon Disulfide
Concen: 45.466 ug/l
RT: 1.92 min Scan# 140
Delta R.T. -0.00 min
Lab File: VF062587.D
Acq: 14 May 2019 17:20

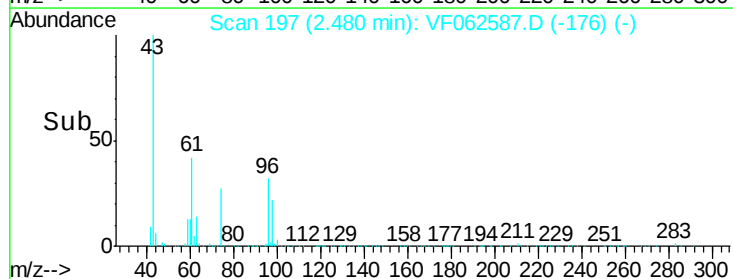
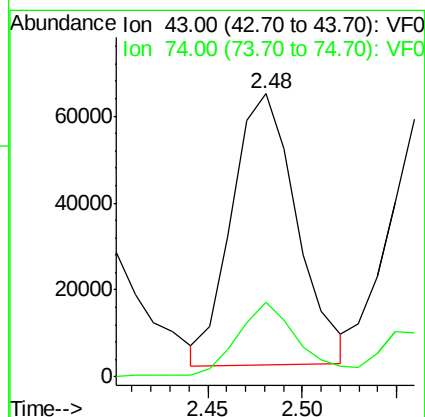
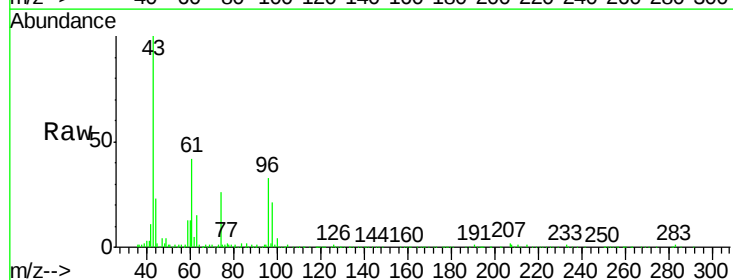
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

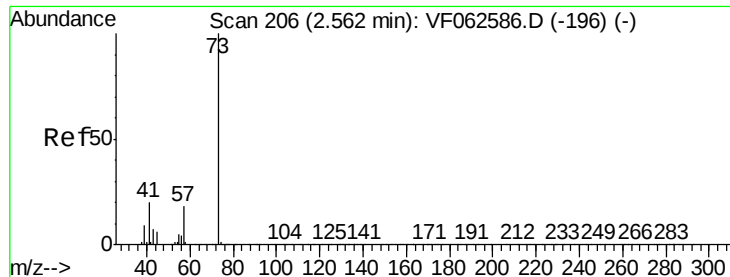
Tot Ion: 76 Resp: 872194
Ion Ratio Lower Upper
76 100
78 12.1 9.0 13.4



#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



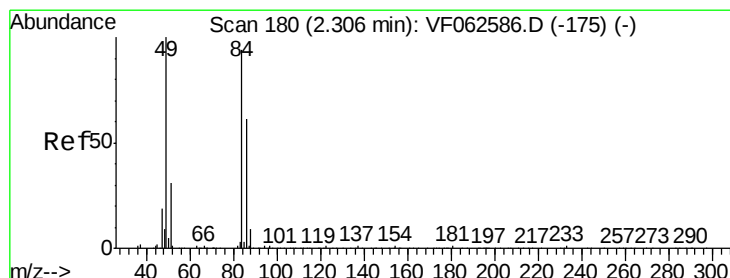
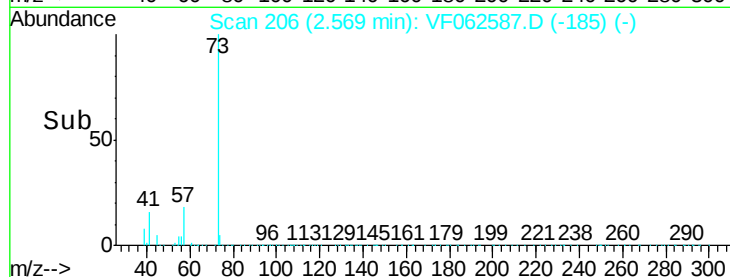
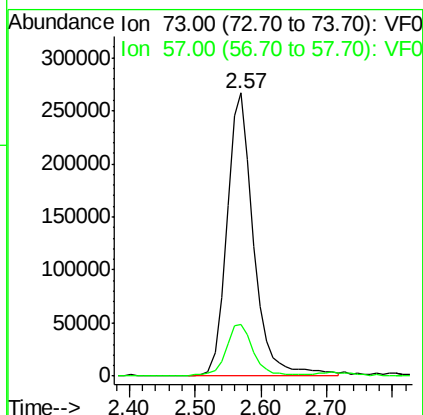
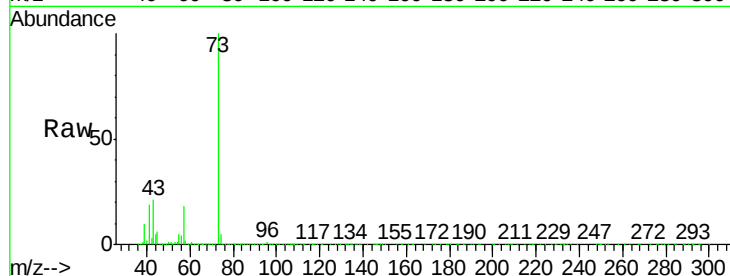


#19

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

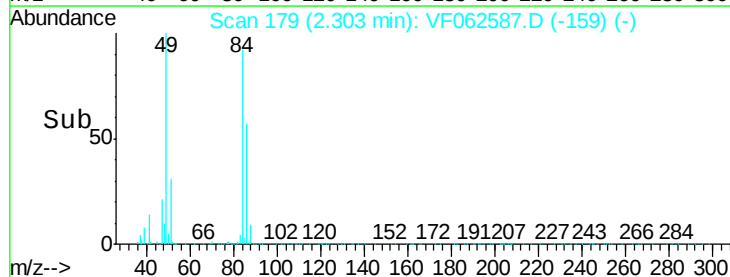
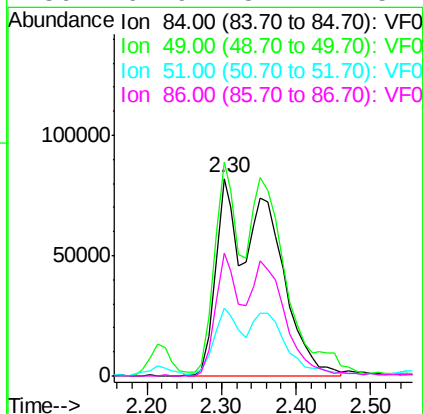
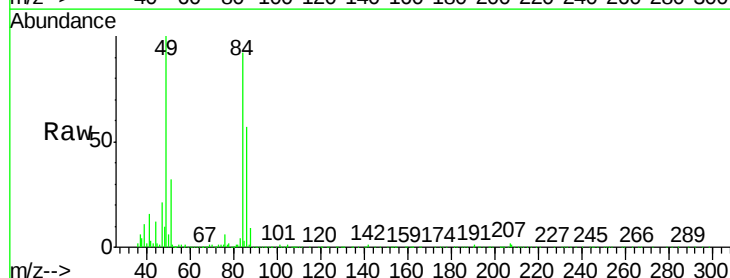
Tot Ion: 73 Resp: 750411
 Ion Ratio Lower Upper
 73 100
 57 18.4 14.6 22.0

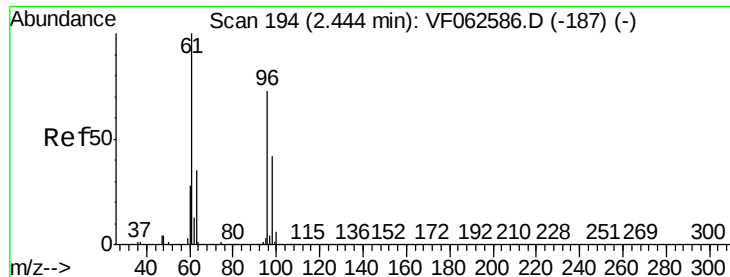


#20

Methylene Chloride
 Concen: 55.548 ug/l m
 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: 417469
 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

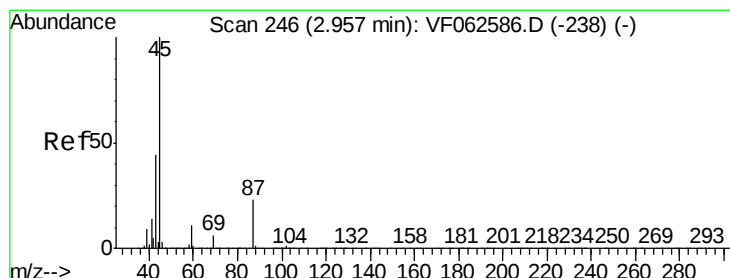
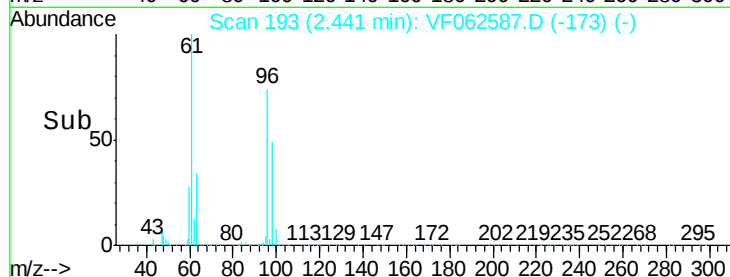
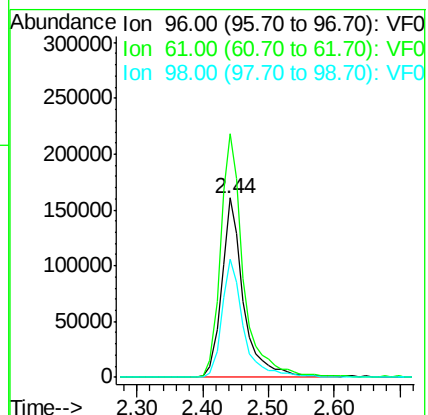
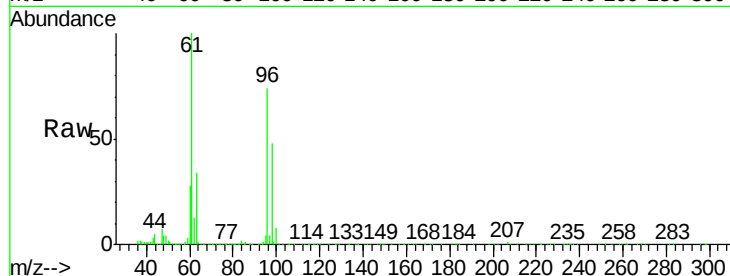
Tot Ion: 96 Resp: 368038

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

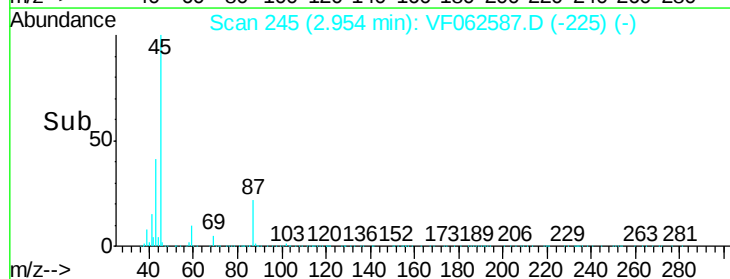
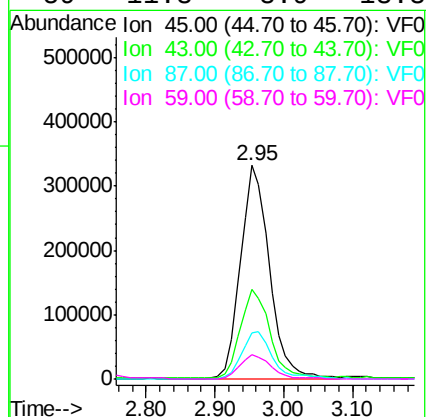
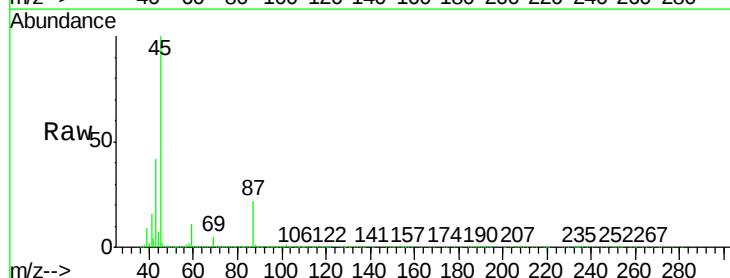
Ion Ratio Lower Upper

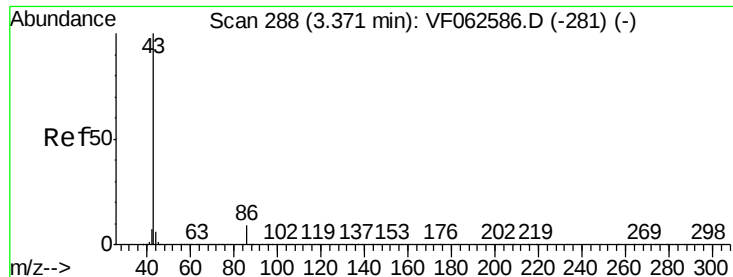
45 100

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 :

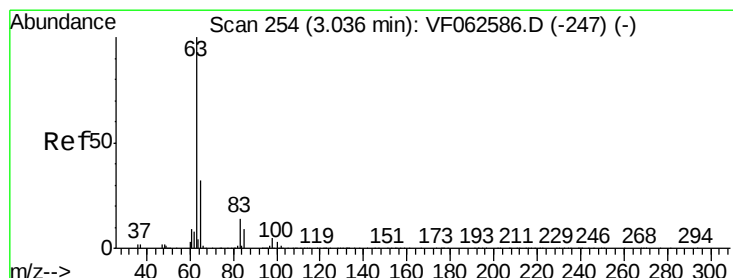
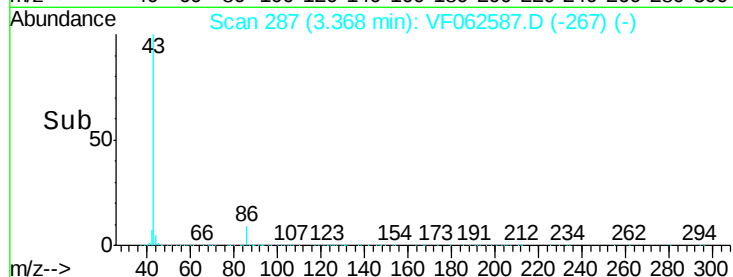
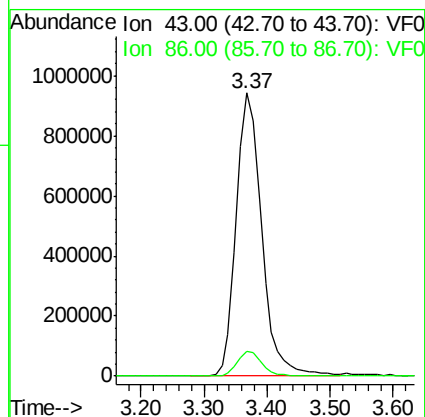
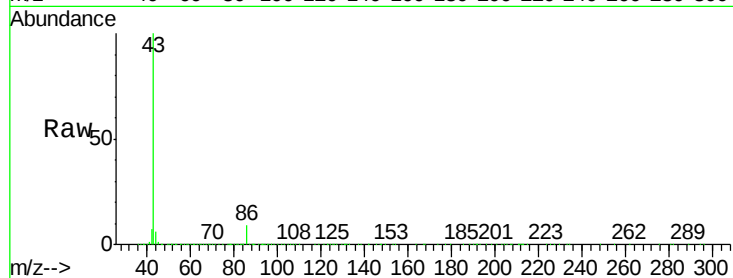
VSTDIC075

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

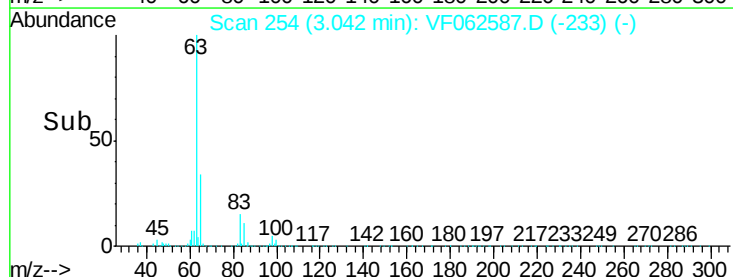
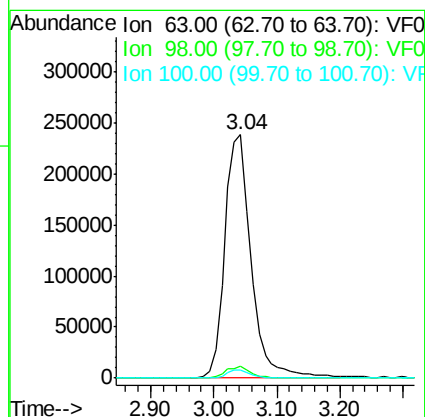
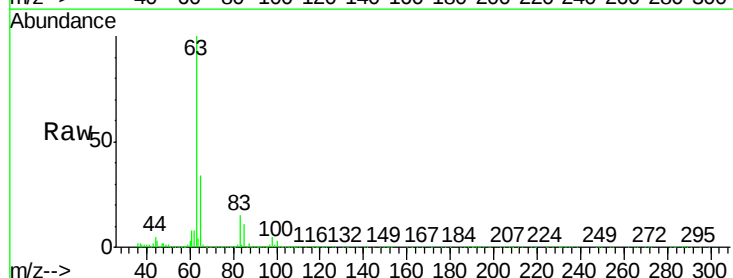
Tgt Ion: 63 Resp: 691807

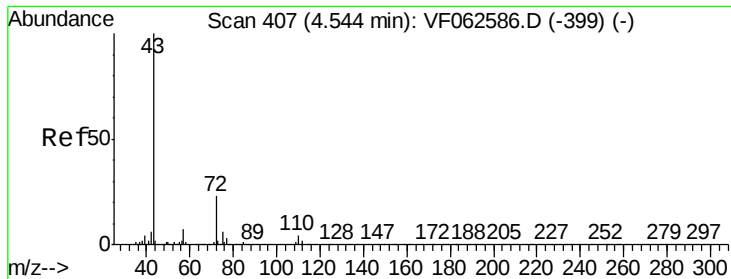
Ion Ratio Lower Upper

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 :

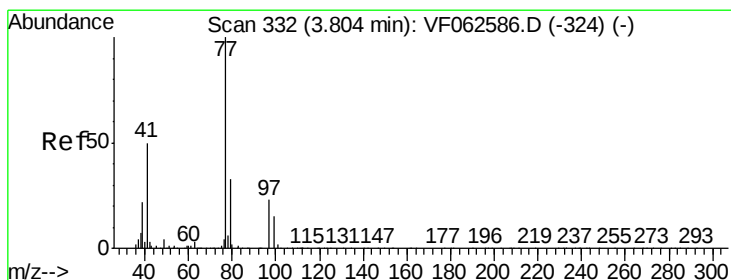
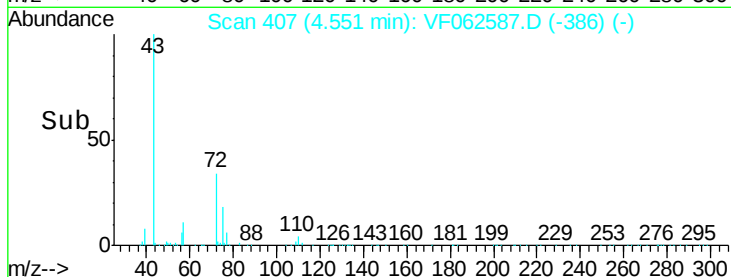
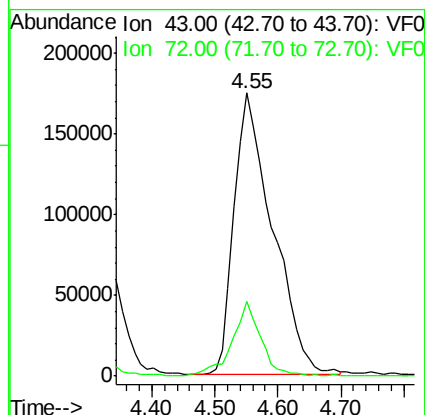
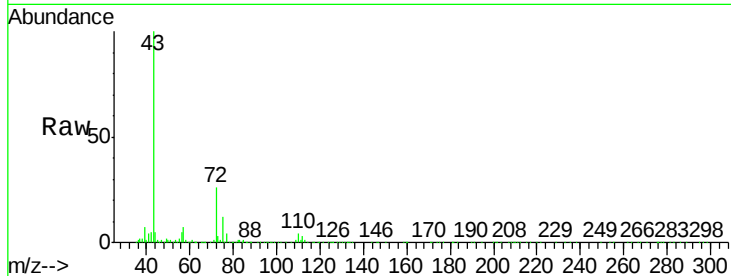
VSTDIC075

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

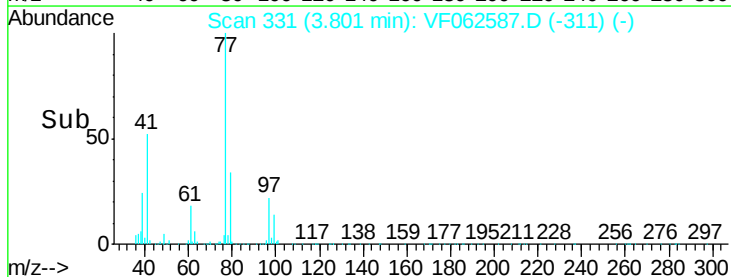
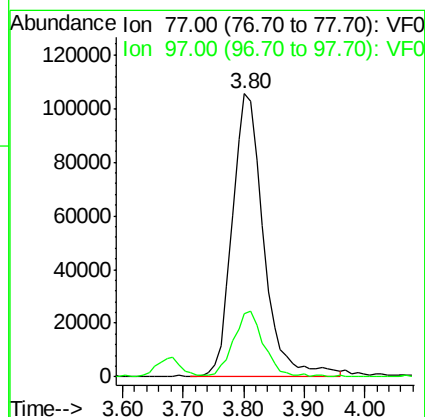
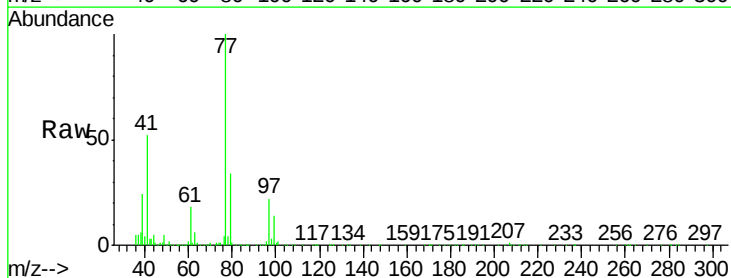
Acq: 14 May 2019 17:20

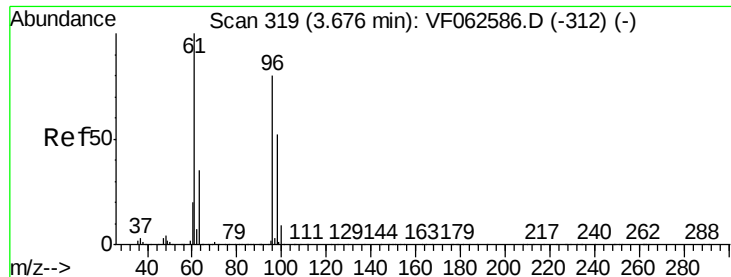
Tgt Ion: 77 Resp: 376796

Ion Ratio Lower Upper

77 100

97 22.1 12.0 36.0



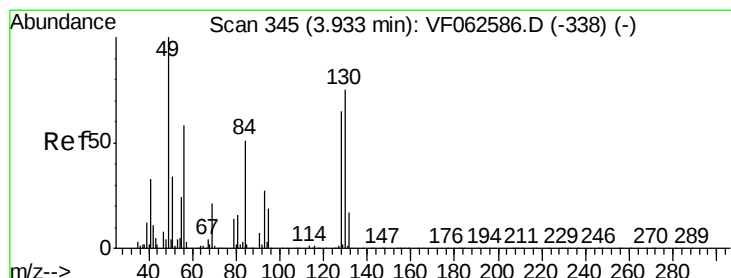
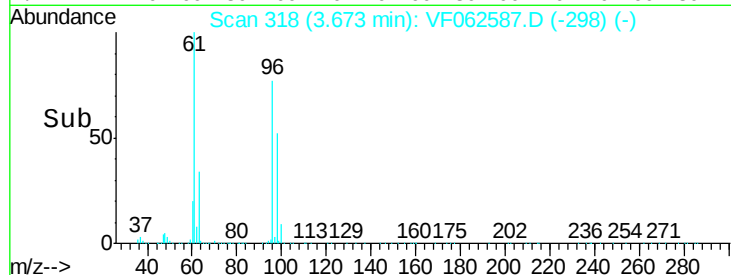
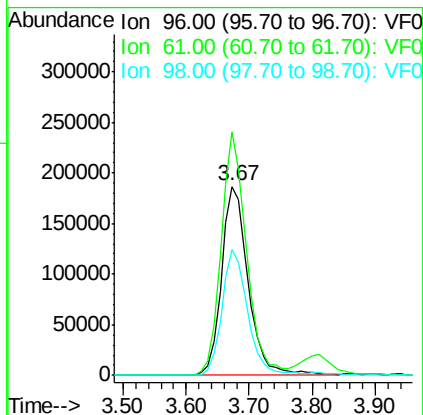
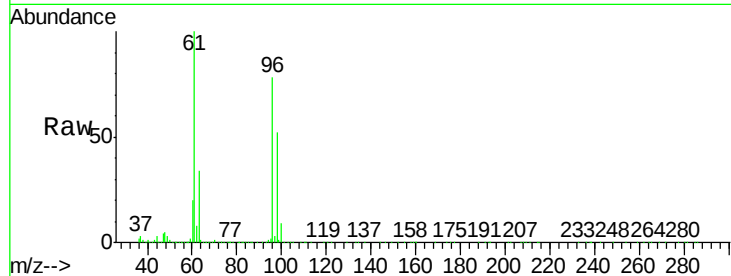


#27

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

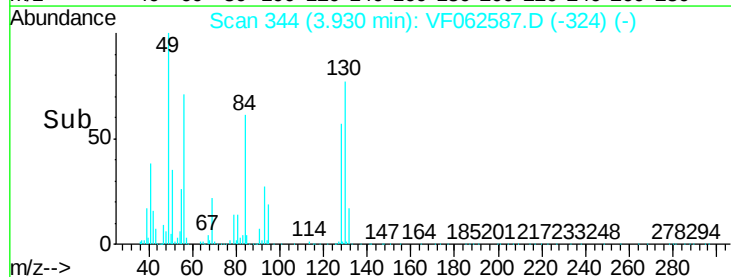
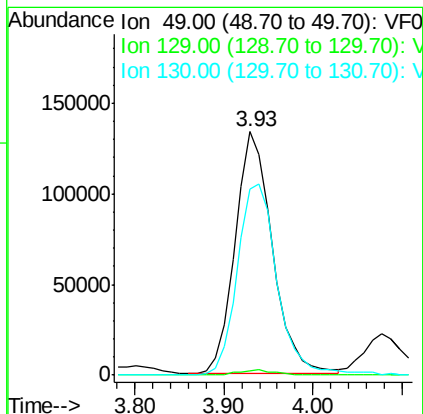
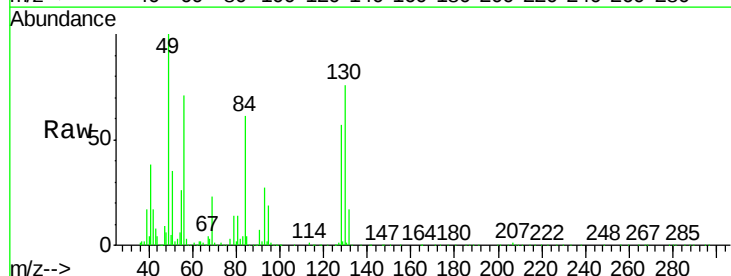
Tot Ion	Ratio	Lower	Upper
96	100		
61	128.8	0.0	251.4
98	66.9	0.0	129.8

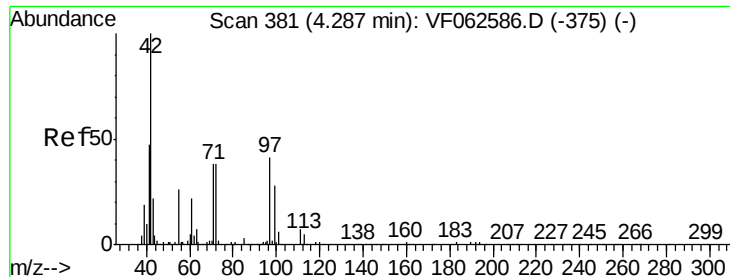


#28

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

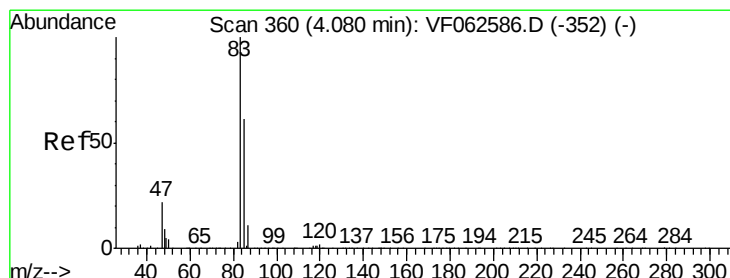
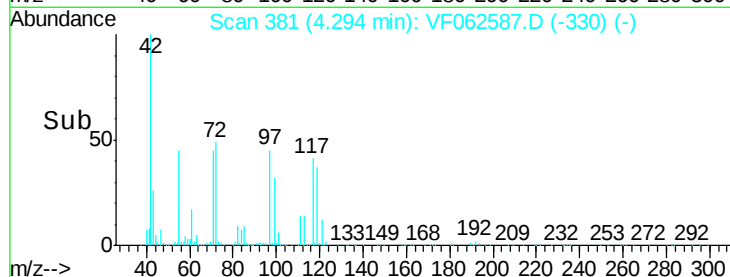
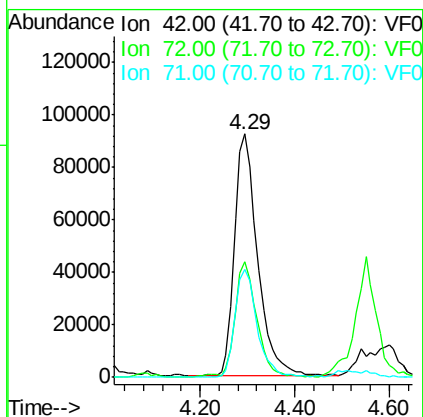
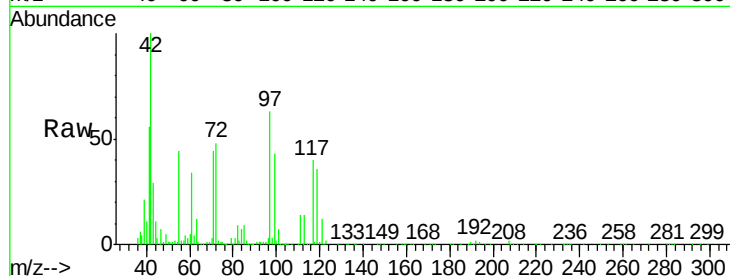




#29
Tetrahydrofuran
Concen: 302.999 ug/l
RT: 4.29 min Scan# 381
Delta R.T. 0.01 min
Lab File: VF062587.D
Acq: 14 May 2019 17:20

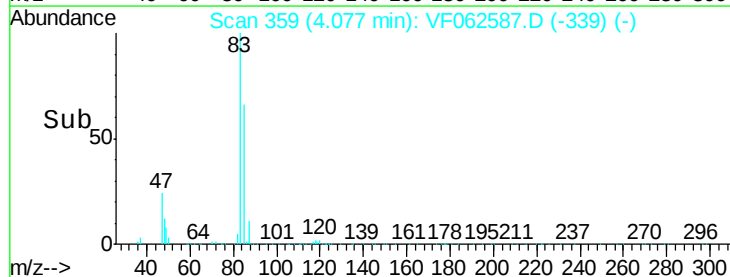
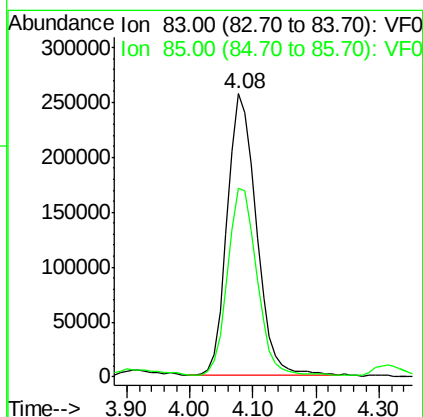
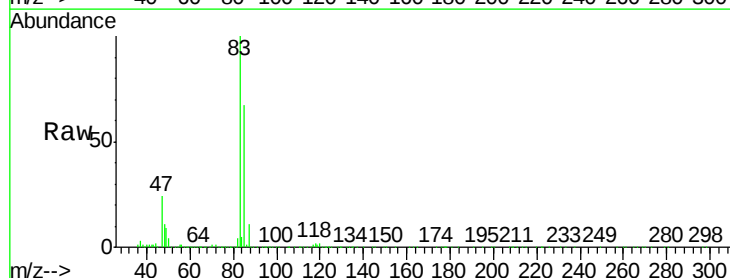
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

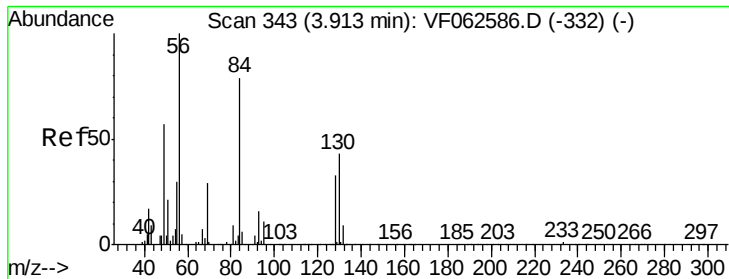
Tot Ion: 42 Resp: 315068
Ion Ratio Lower Upper
42 100
72 45.3 34.0 51.0
71 43.0 32.8 49.2



#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: 83 Resp: 821440
Ion Ratio Lower Upper
83 100
85 66.7 48.7 73.1

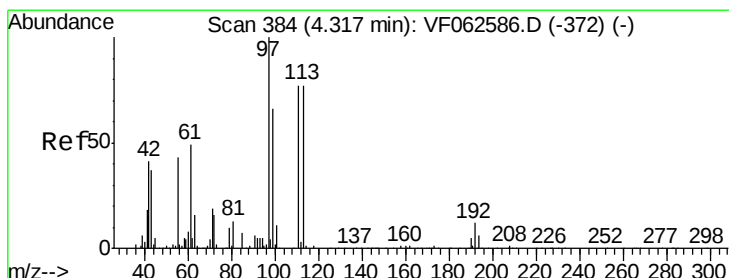
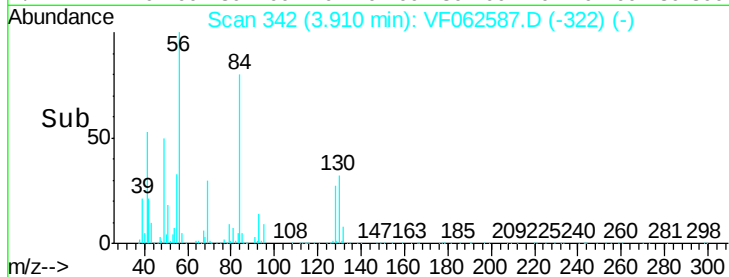
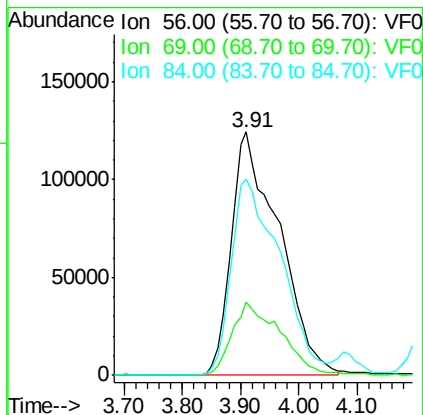
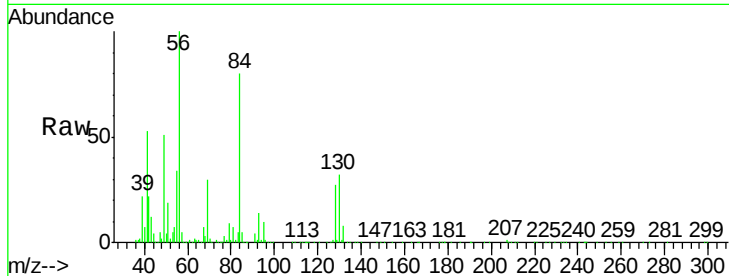




#31
Cyclohexane
Concen: 65.115 ug/l
RT: 3.91 min Scan# 342
Delta R.T. -0.00 min
Lab File: VF062587.D
Acq: 14 May 2019 17:20

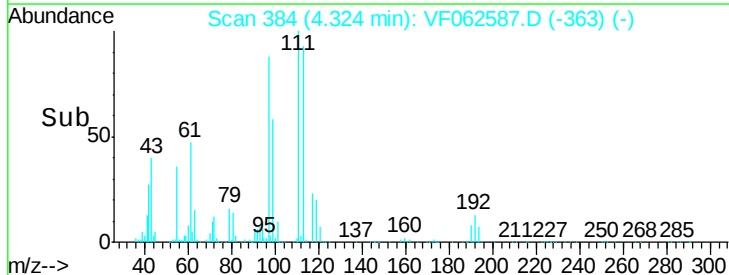
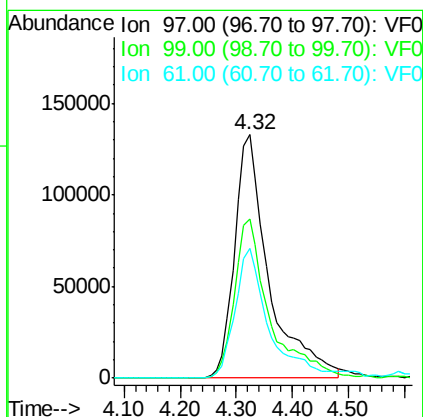
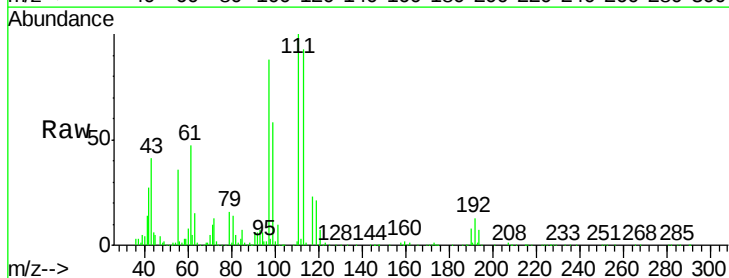
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

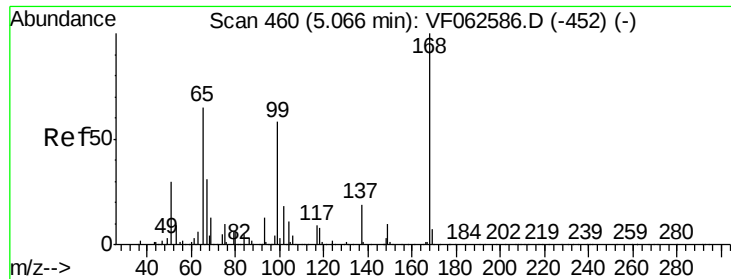
Tot Ion: 56 Resp: 709604
Ion Ratio Lower Upper
56 100
69 30.0 22.9 34.3
84 80.5 63.4 95.2



#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 :

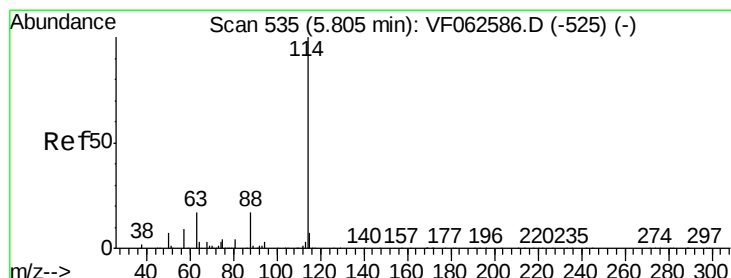
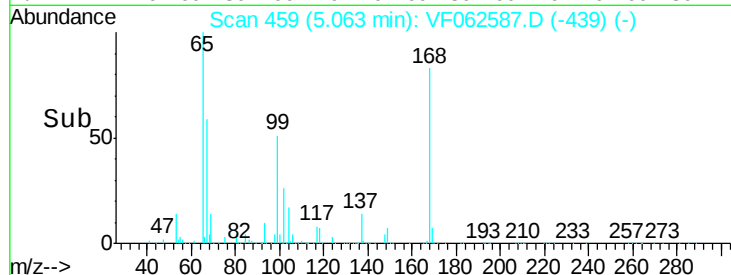
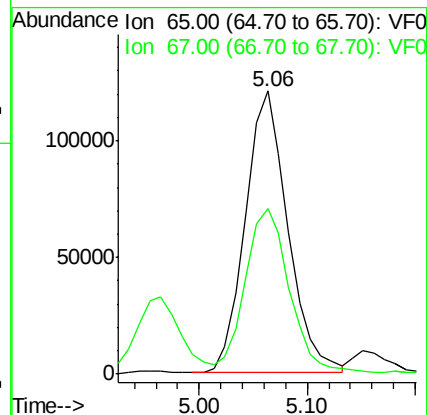
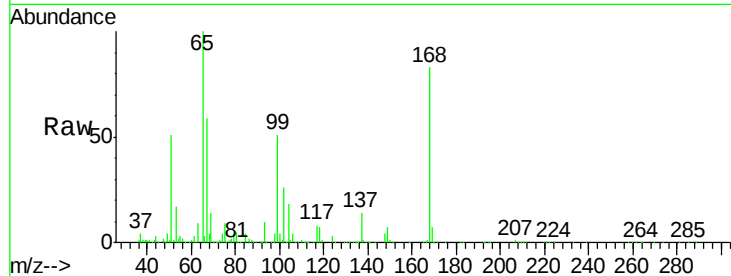
VSTDIC075

Tot Ion: 65 Resp: 329765

Ion Ratio Lower Upper

65 100

67 58.7 0.0 116.6



#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

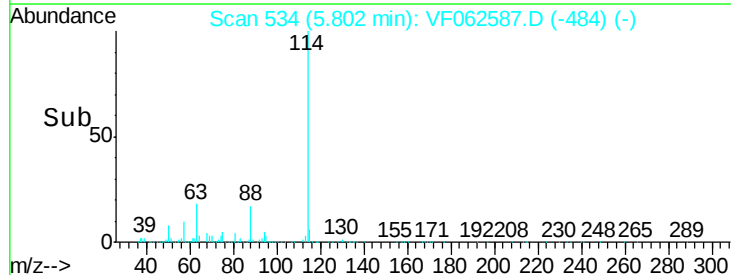
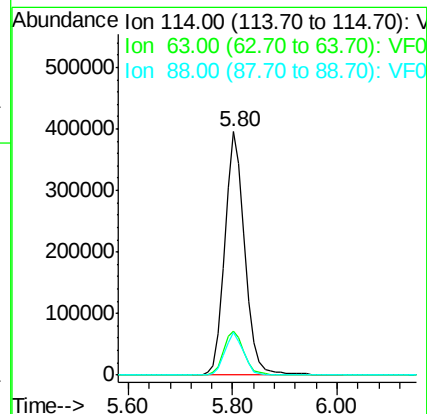
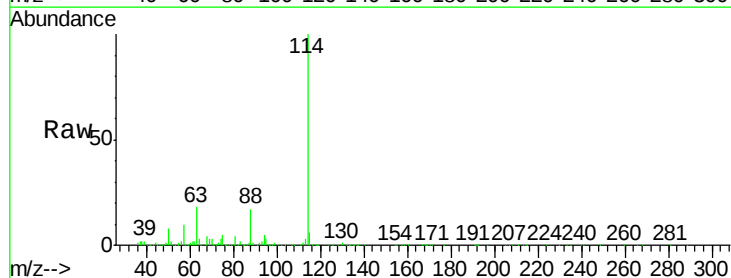
Tgt Ion:114 Resp: 1048582

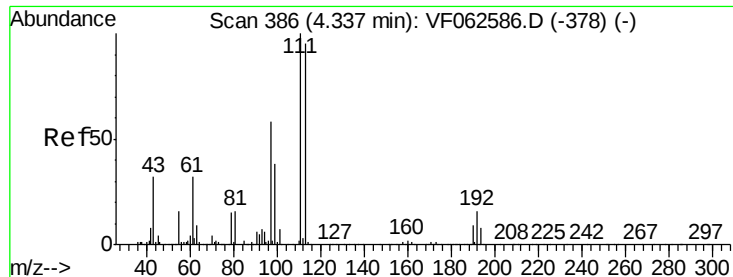
Ion Ratio Lower Upper

114 100

63 17.9 0.0 34.6

88 17.5 0.0 33.6

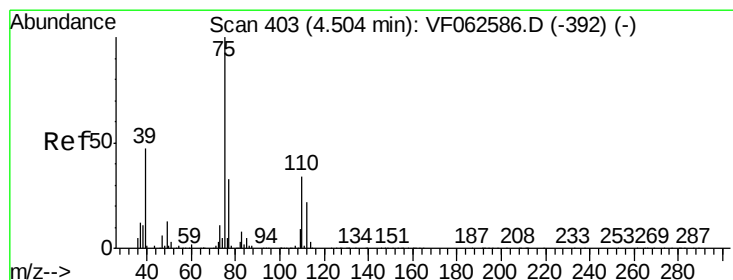
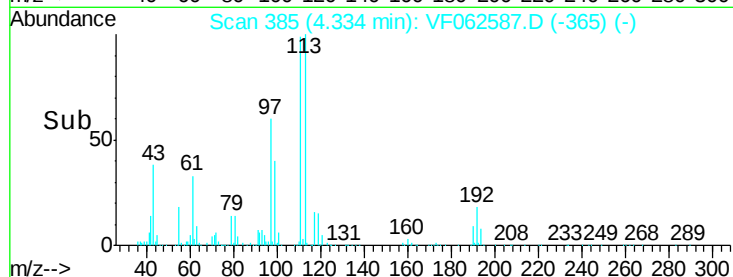
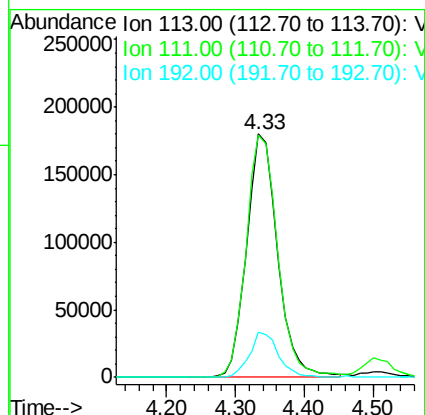
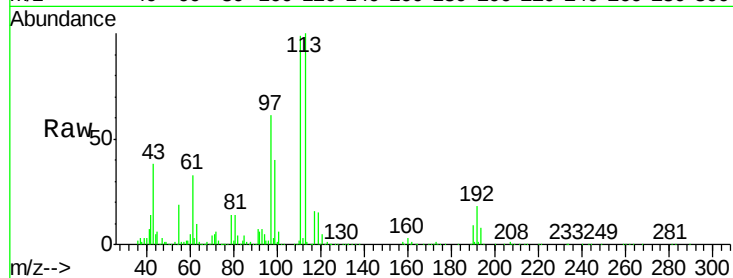




#35
 Dibromofluoromethane
 Concen: 72.356 ug/l
 RT: 4.33 min Scan# 385
 Delta R.T. -0.00 min
 Lab File: VF062587.D
 Acq: 14 May 2019 17:20

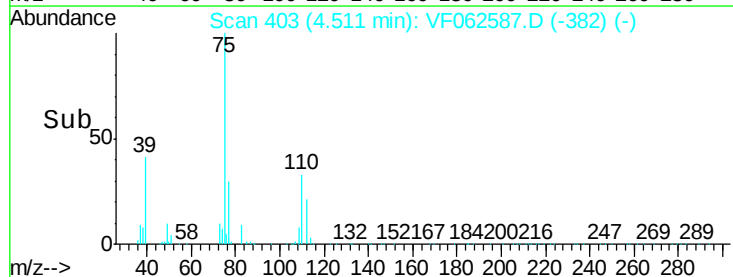
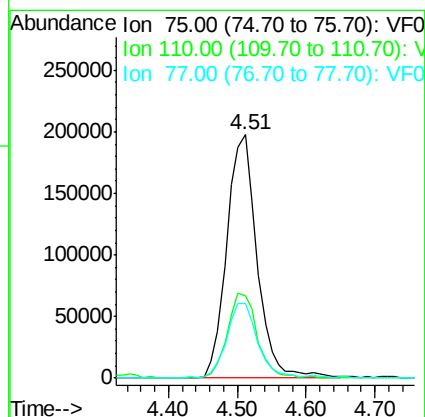
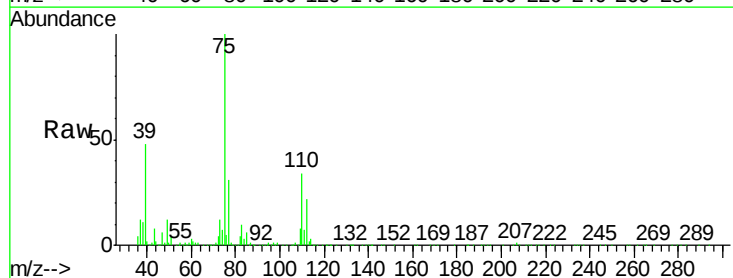
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

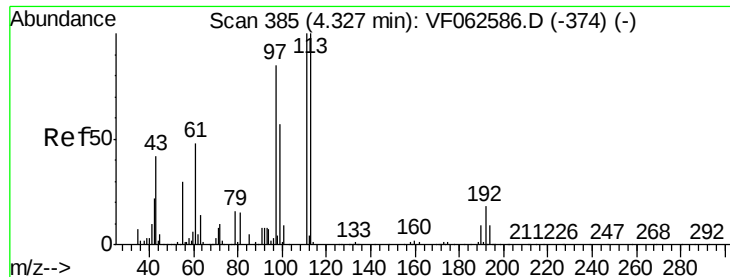
Tot Ion	Ratio	Lower	Upper
113	100		
111	99.5	83.9	125.9
192	18.7	13.7	20.5



#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

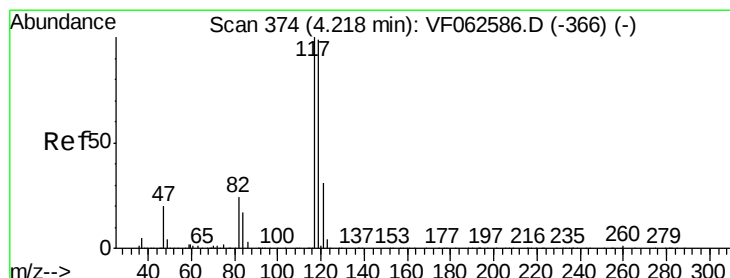
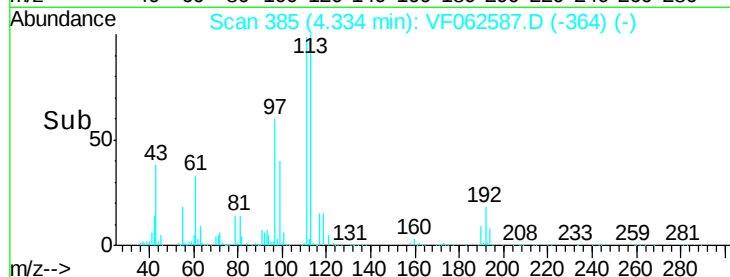
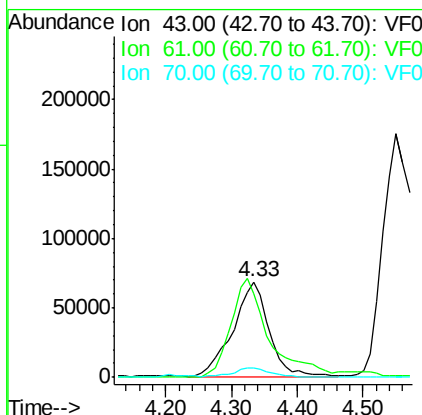
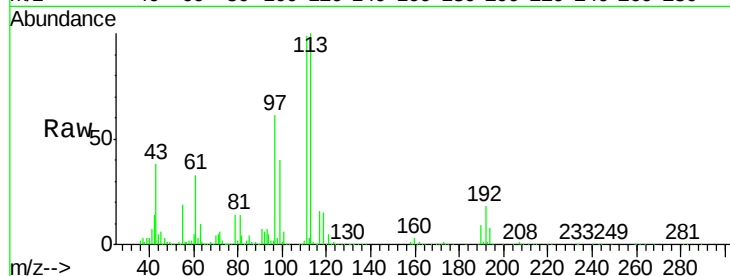




#37
Ethyl Acetate
Concen: 49.394 ug/l
RT: 4.33 min Scan# 385
Delta R.T. 0.01 min
Lab File: VF062587.D
Acq: 14 May 2019 17:20

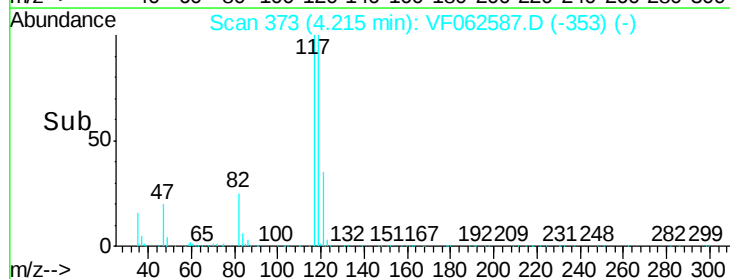
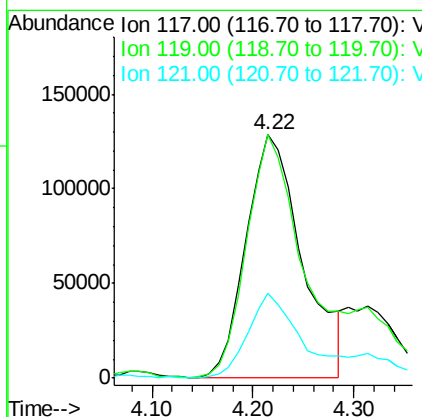
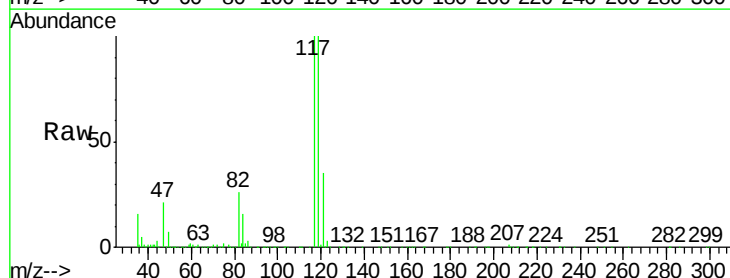
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

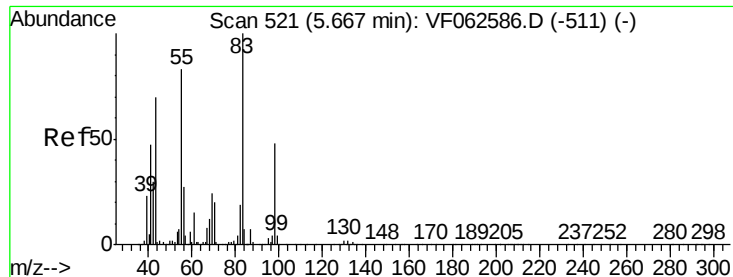
Tot Ion	43	Resp	259110
Ion Ratio	Lower	Upper	
43	100		
61	87.0	88.6	132.8#
70	10.4	8.3	12.5



#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

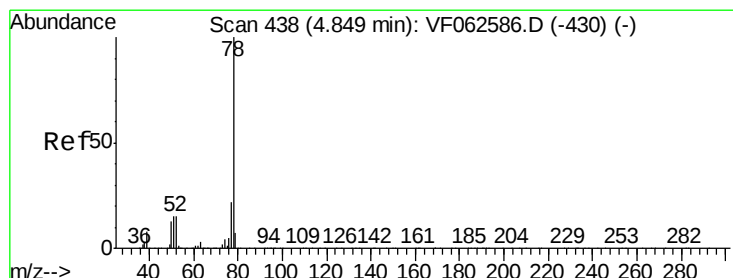
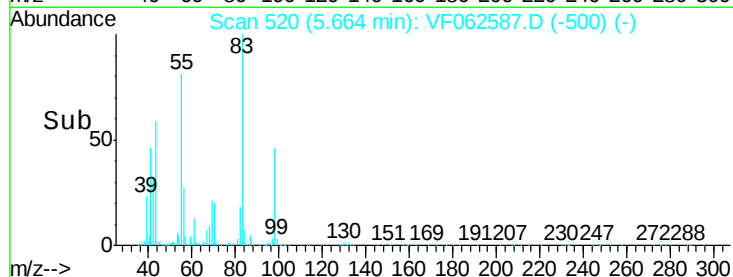
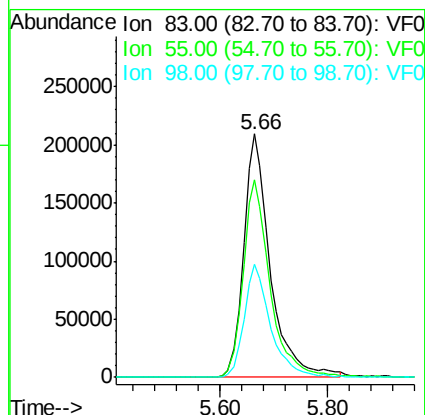
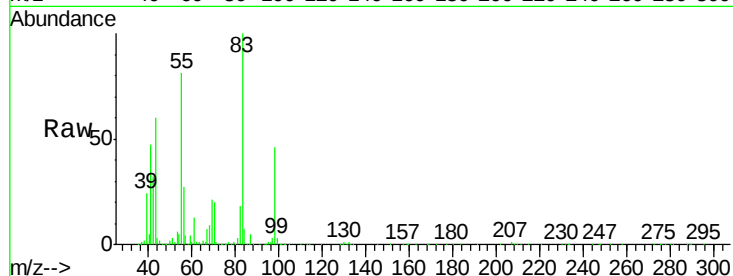




#39
Methvlcvclohexane
Concen: 61.948 ug/l
RT: 5.66 min Scan# 520
Delta R.T. -0.00 min
Lab File: VF062587.D
Acq: 14 May 2019 17:20

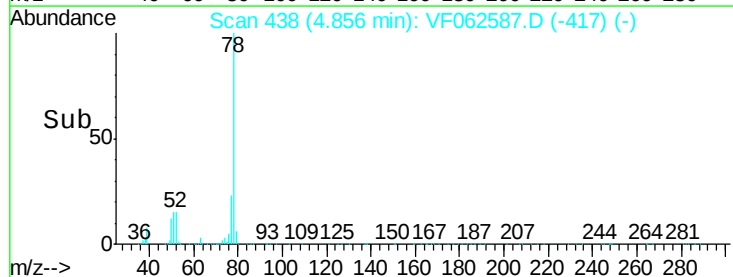
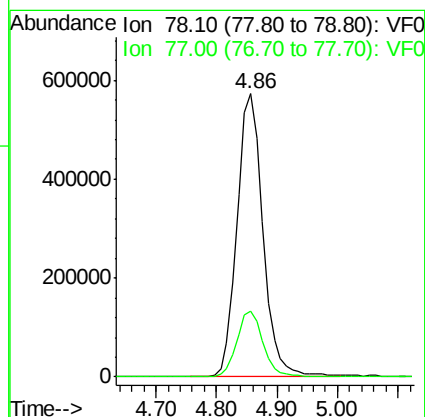
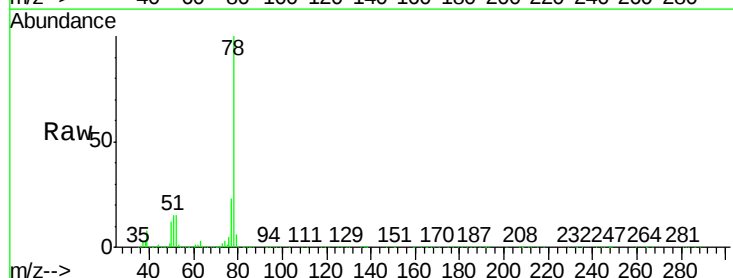
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

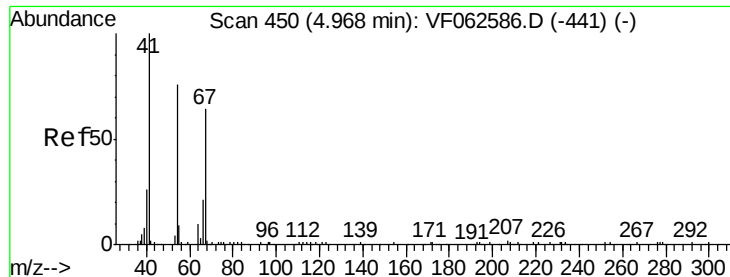
Tot Ion: 83 Resp: 710242
Ion Ratio Lower Upper
83 100
55 81.4 66.6 100.0
98 46.5 38.3 57.5



#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

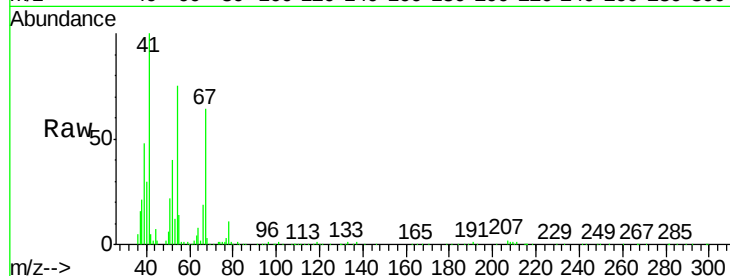




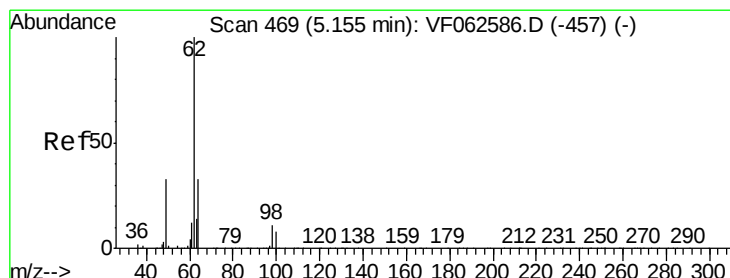
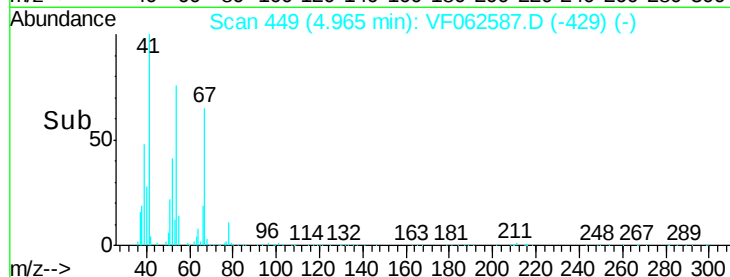
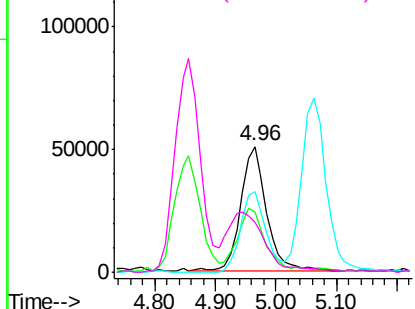
#41
Methacrylonitrile
Concen: 50.581 ug/l
RT: 4.96 min Scan# 449
Delta R.T. -0.00 min
Lab File: VF062587.D
Acq: 14 May 2019 17:20

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

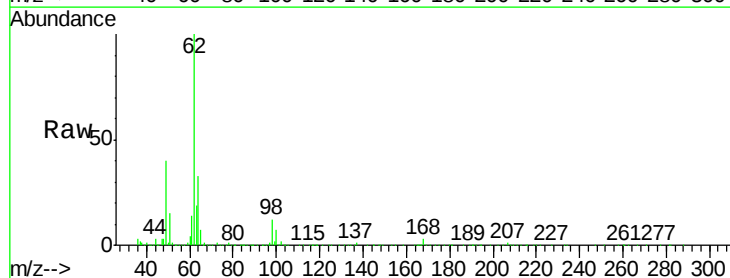


Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 39.00 (38.70 to 39.70): VF0
Ion 67.00 (66.70 to 67.70): VF0
Ion 52.00 (51.70 to 52.70): VF0

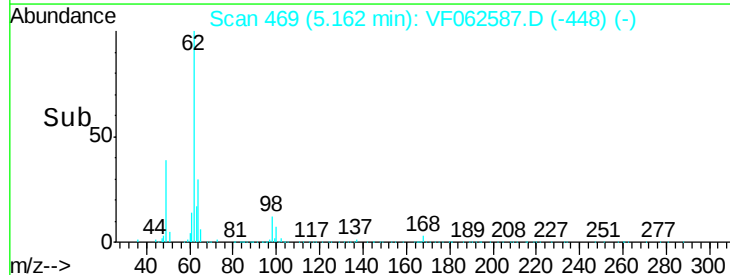
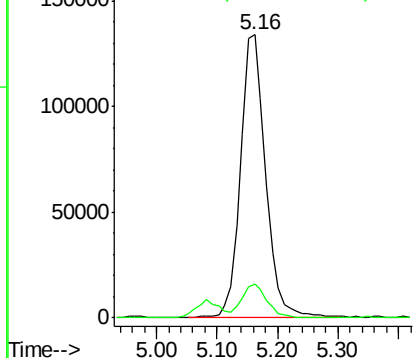


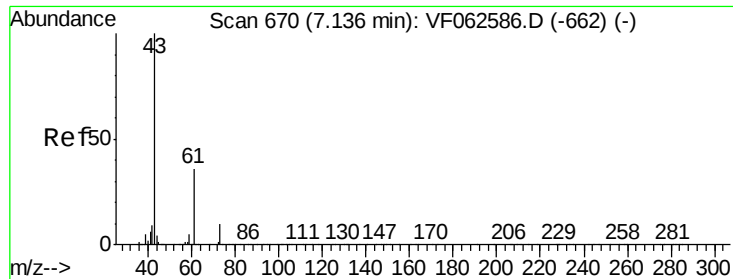
#42
1,2-Dichloroethane
Concen: 43.328 ug/l
RT: 5.16 min Scan# 469
Delta R.T. 0.01 min
Lab File: VF062587.D
Acq: 14 May 2019 17:20

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



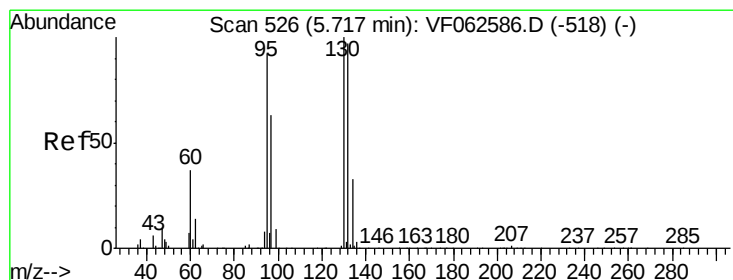
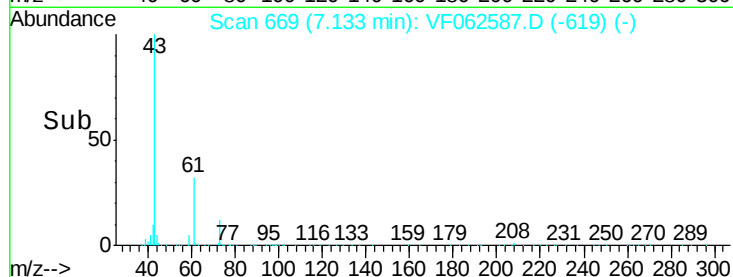
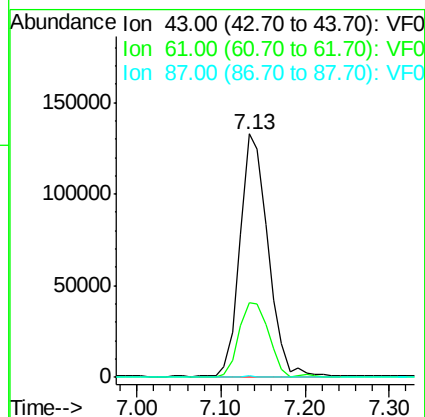
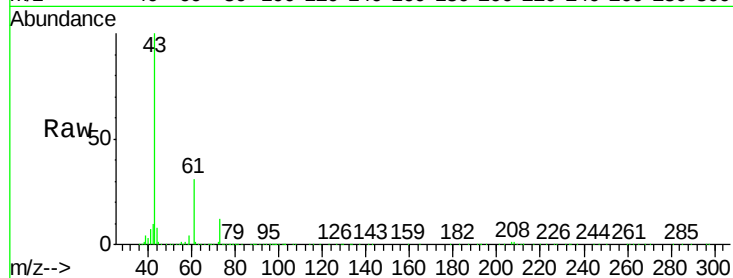


#43

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

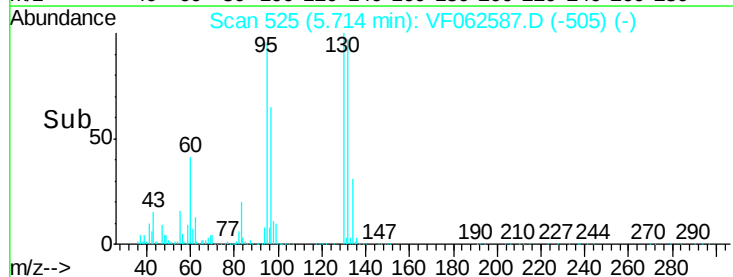
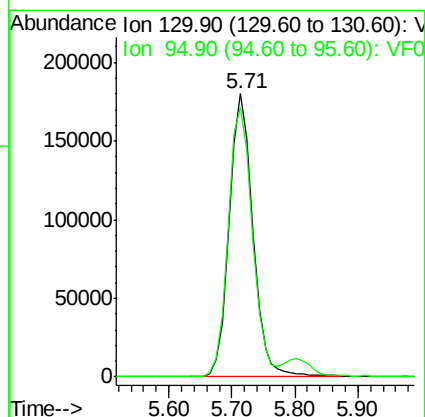
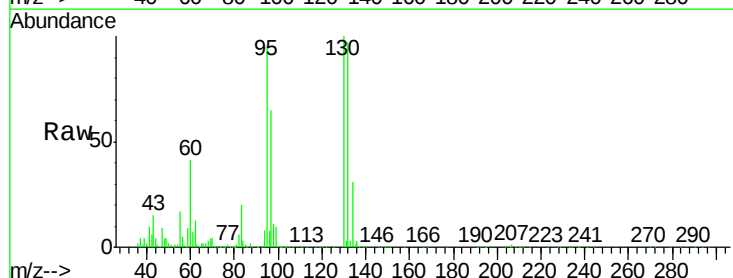
Tot Ion: 43 Resp: 311930
 Ion Ratio Lower Upper
 43 100
 61 30.9 28.5 42.7
 87 0.5 0.4 0.6

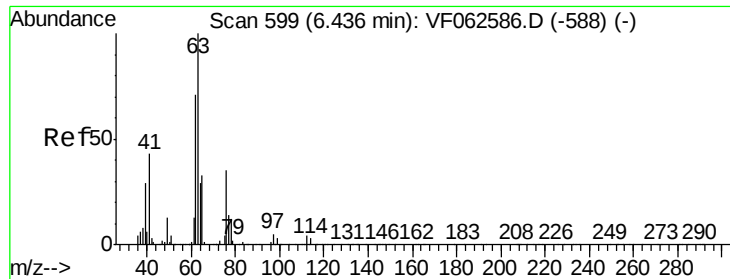


#44

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 :

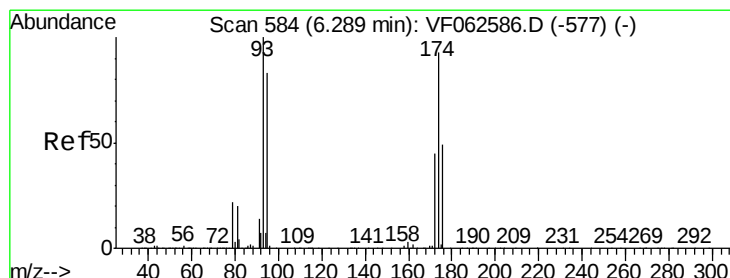
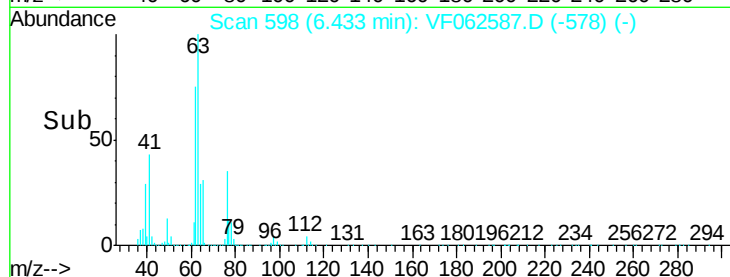
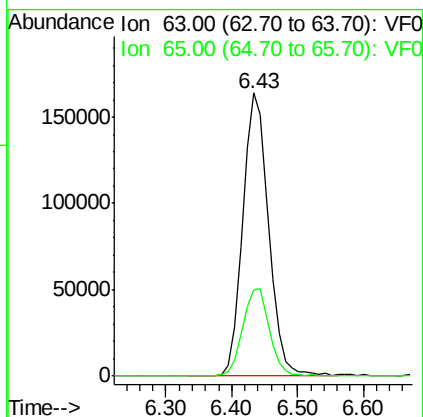
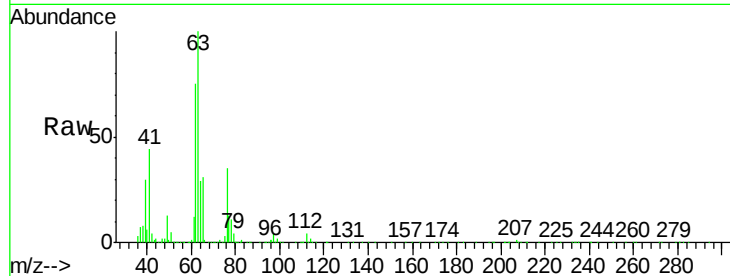
VSTDIC075

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

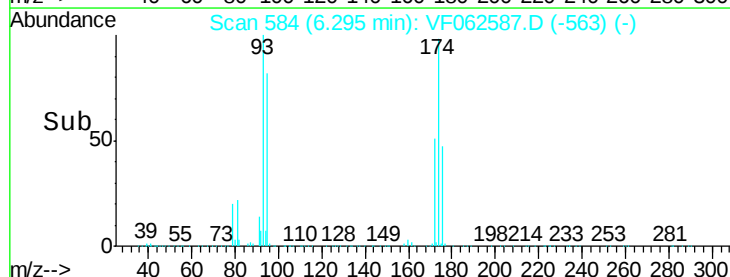
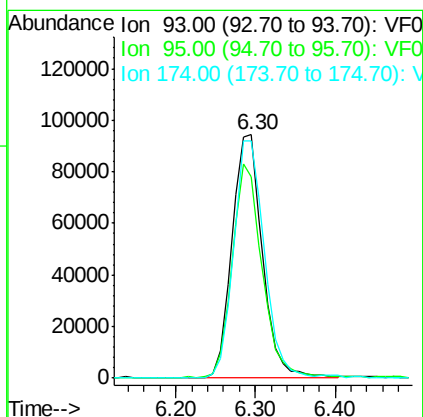
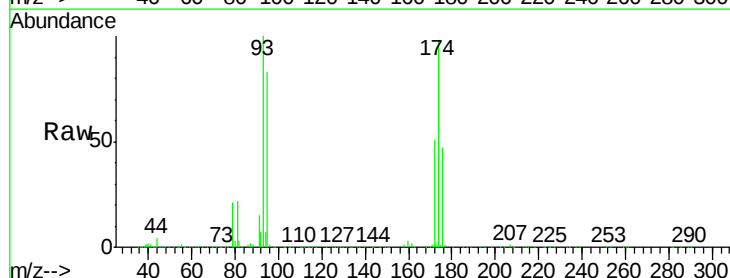
Tgt Ion: 93 Resp: 251936

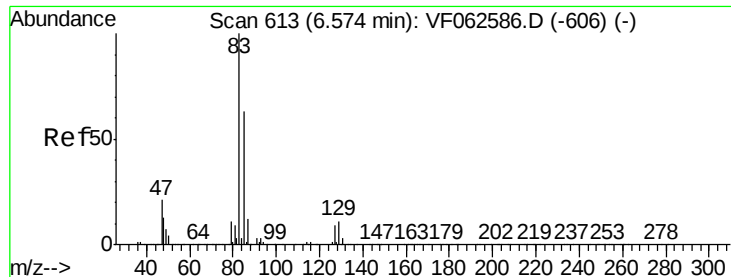
Ion Ratio Lower Upper

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

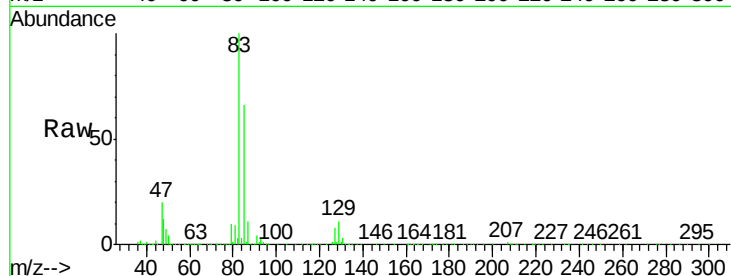
Tot Ion: 83 Resp: 564411

Ion Ratio Lower Upper

83 100

85 65.6 50.3 75.5

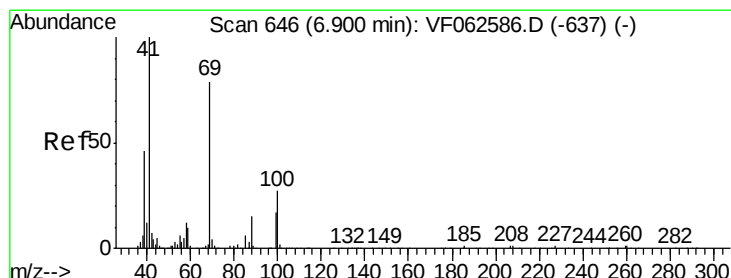
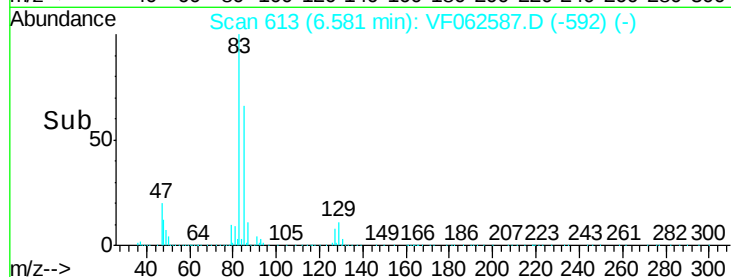
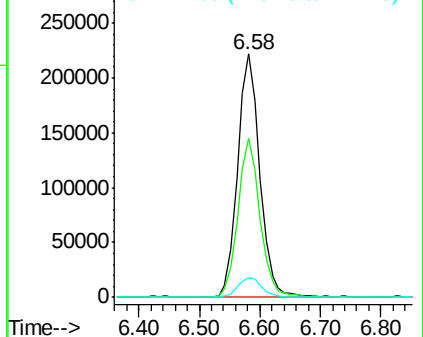
127 8.1 7.2 10.8



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

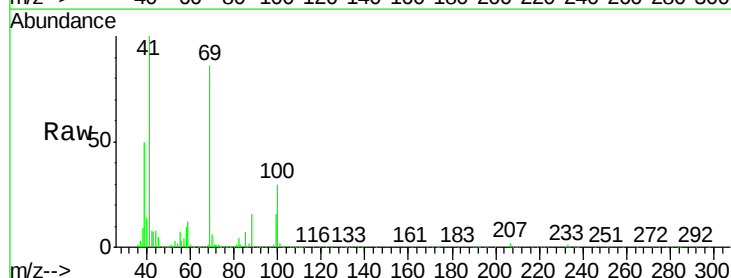
Tgt Ion: 41 Resp: 175968

Ion Ratio Lower Upper

41 100

69 86.1 63.0 94.6

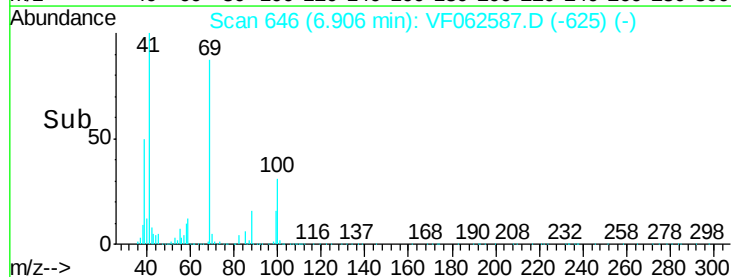
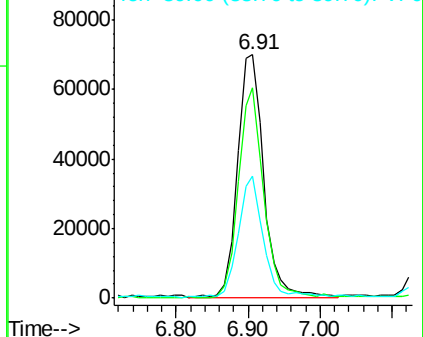
39 50.1 37.6 56.4

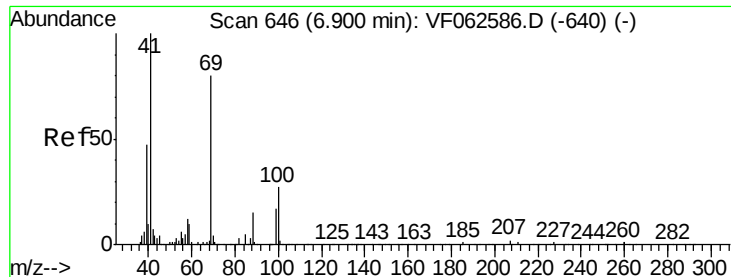


Abundance Ion 41.00 (40.70 to 41.70): VF0

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

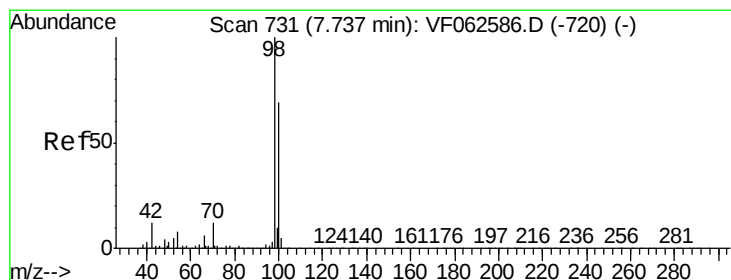
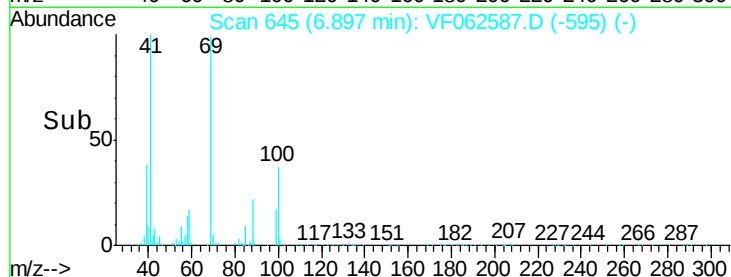
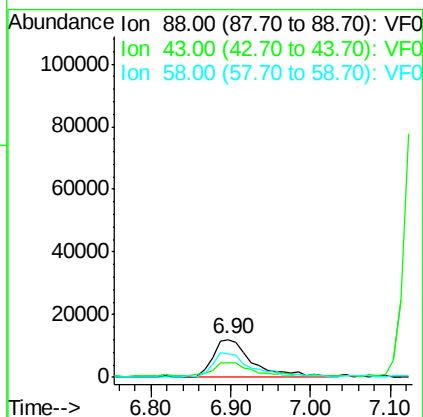
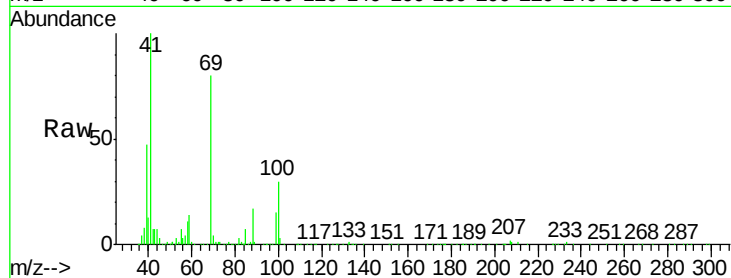
Tot Ion: 88 Resp: 42591

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

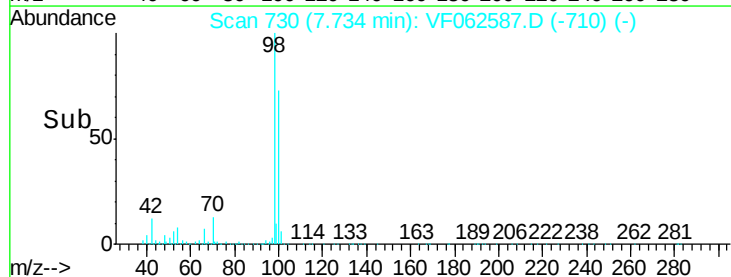
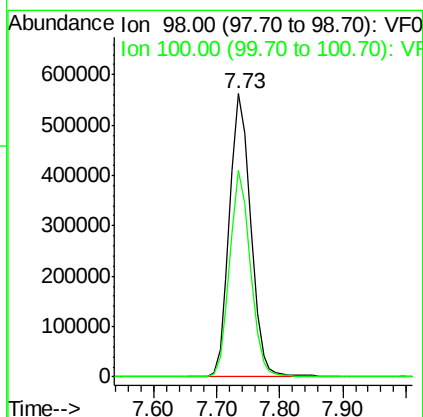
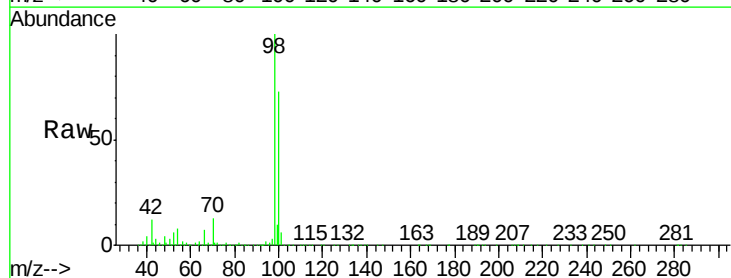
Acq: 14 May 2019 17:20

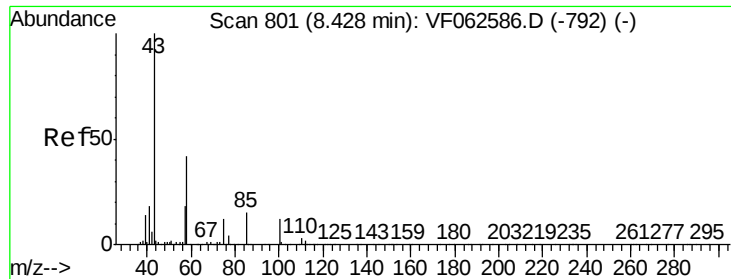
Tgt Ion: 98 Resp: 1317431

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 :

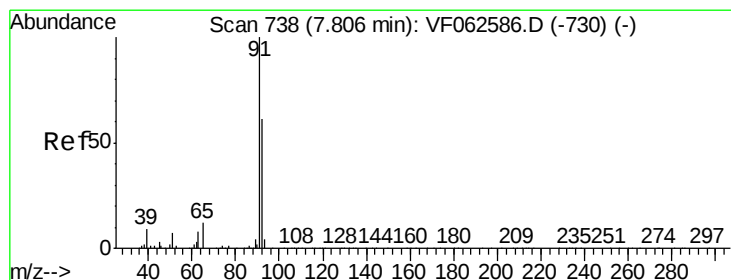
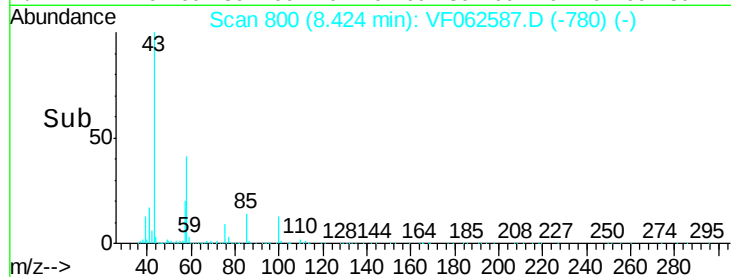
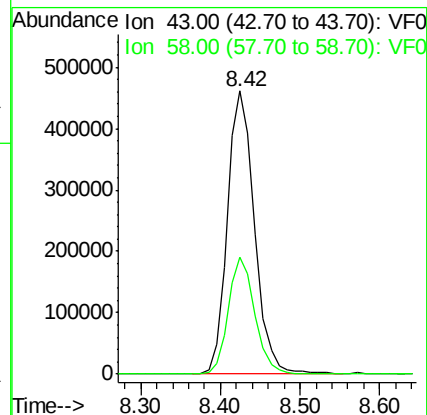
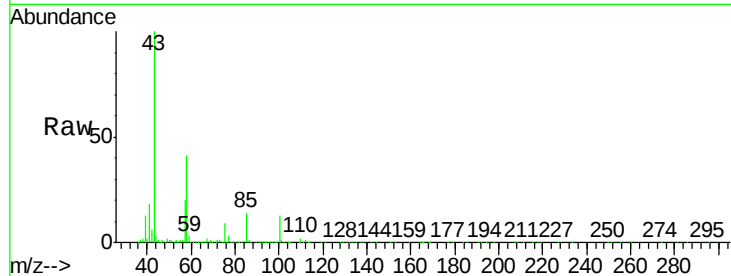
VSTDIC075

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

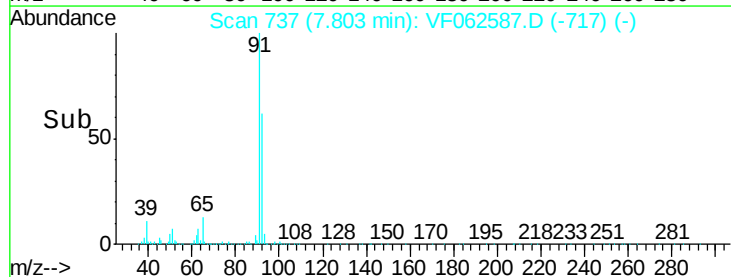
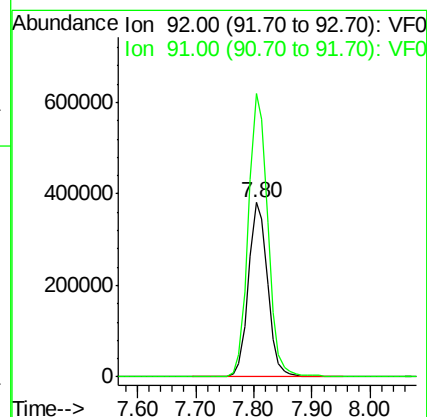
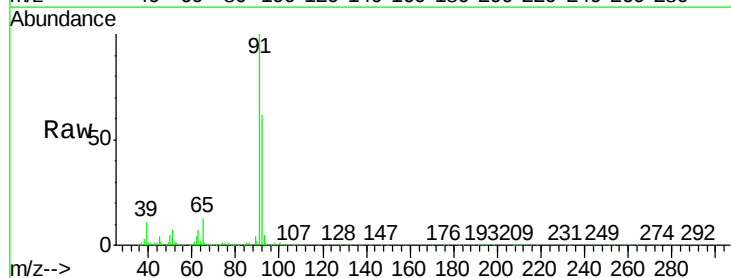
Acq: 14 May 2019 17:20

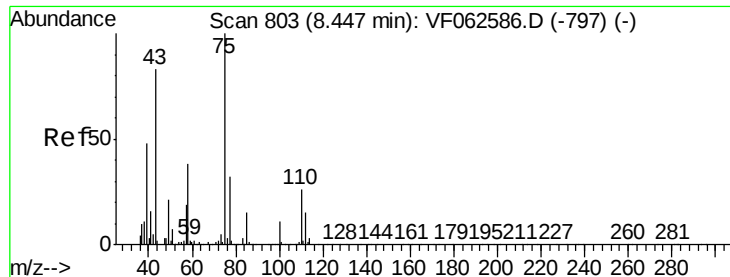
Tgt Ion: 92 Resp: 878718

Ion Ratio Lower Upper

92 100

91 162.4 131.0 196.4

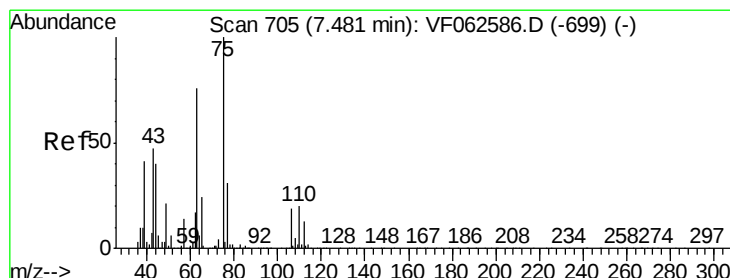
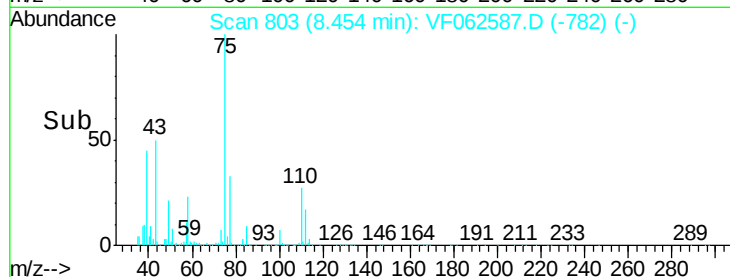
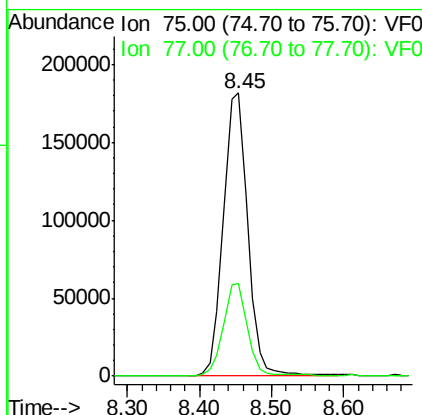
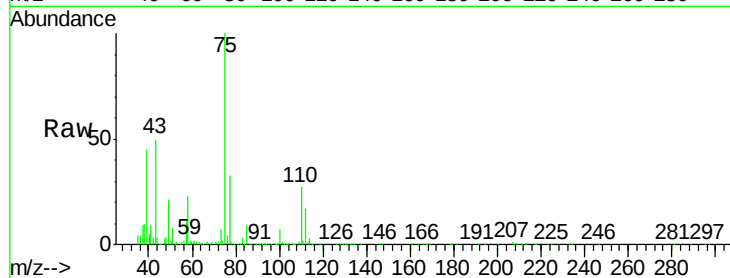




#53
 t-1,3-Dichloropropene
 Concen: 49.486 ug/l
 RT: 8.45 min Scan# 803
 Delta R.T. 0.01 min
 Lab File: VF062587.D
 Acq: 14 May 2019 17:20

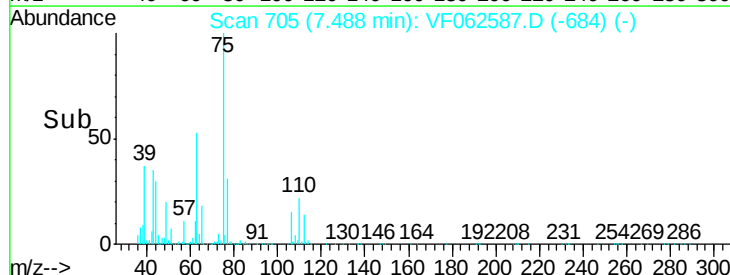
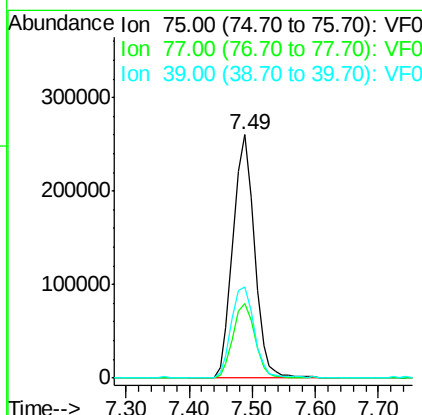
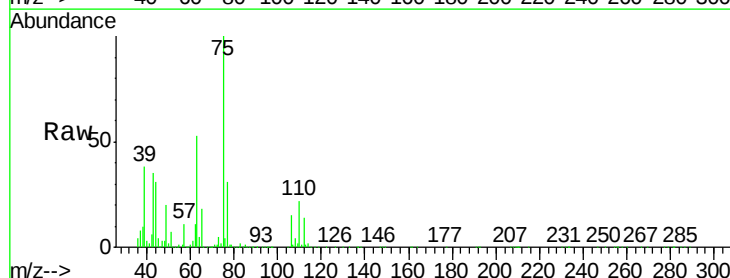
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

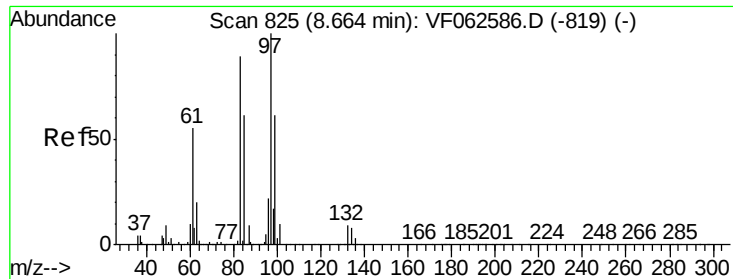
Tot Ion: 75 Resp: 424772
 Ion Ratio Lower Upper
 75 100
 77 33.0 25.7 38.5



#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

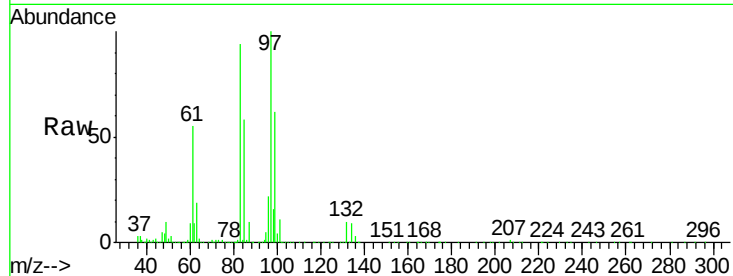
Ion Ratio Lower Upper

97 100

83 93.9 71.3 106.9

85 58.4 48.9 73.3

99 61.6 48.4 72.6

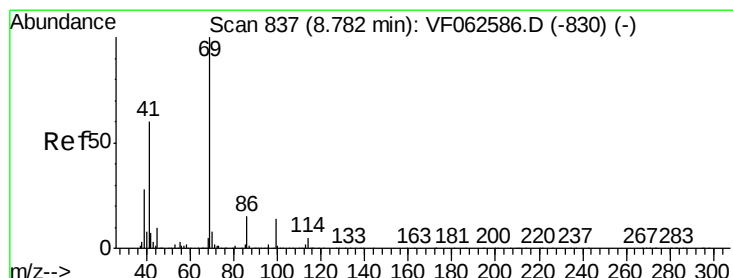
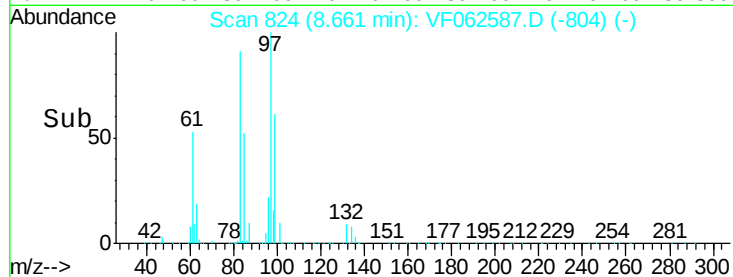
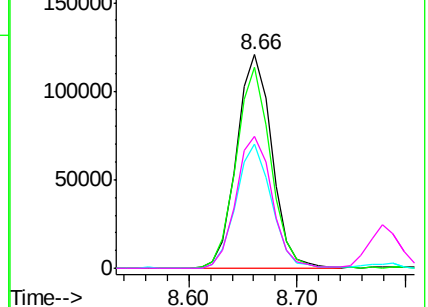


Abundance Ion 97.00 (96.70 to 97.70): VF0

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

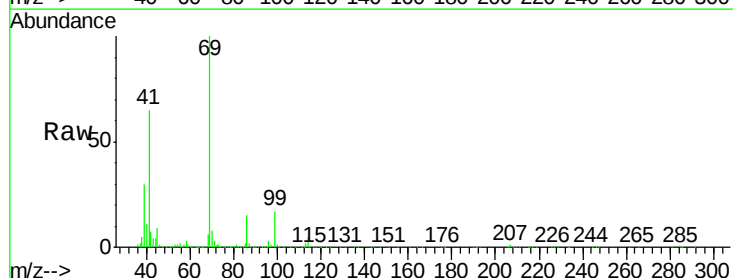
Tgt Ion: 69 Resp: 293661

Ion Ratio Lower Upper

69 100

41 65.1 48.1 72.1

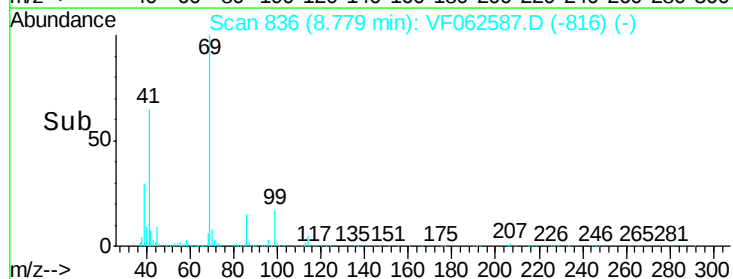
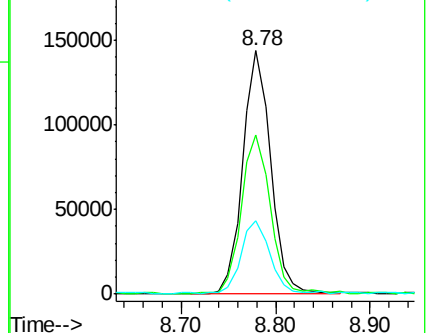
39 30.4 22.5 33.7

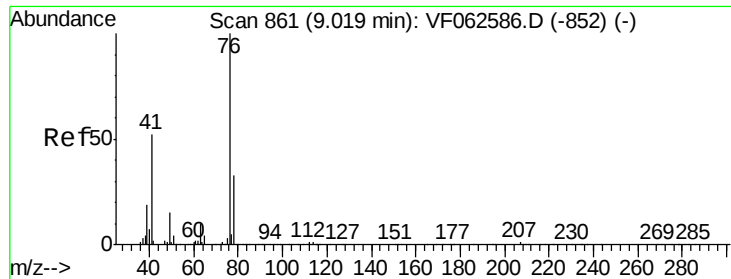


Abundance Ion 69.00 (68.70 to 69.70): VF0

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 :

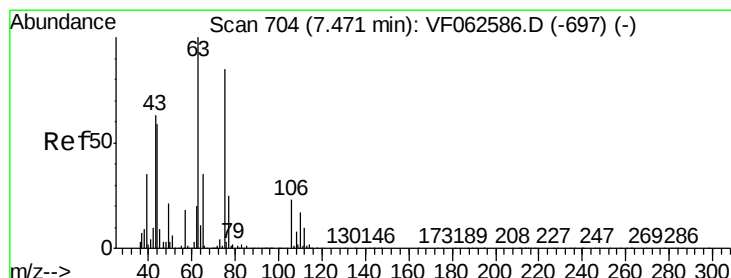
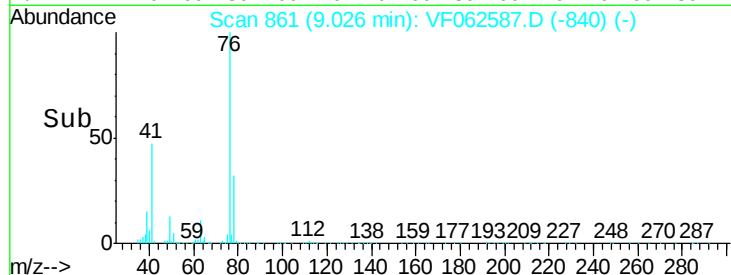
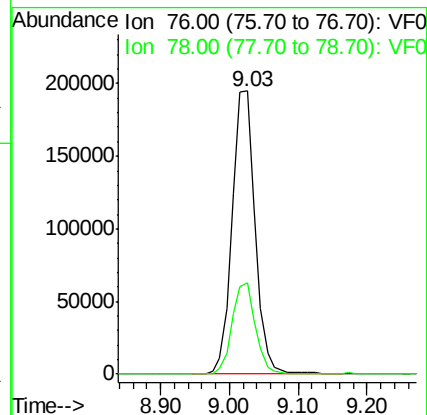
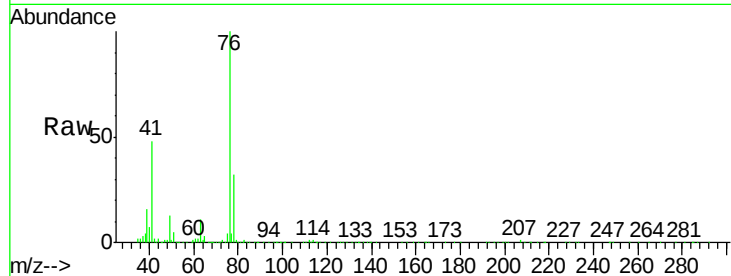
VSTDIC075

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

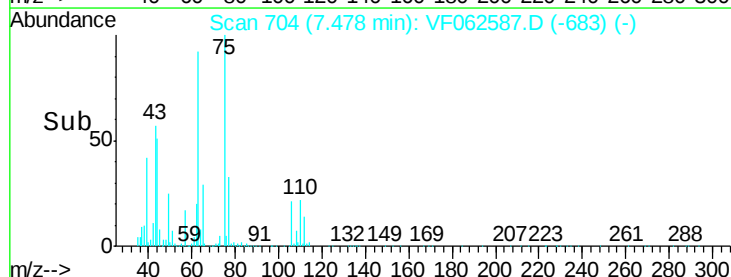
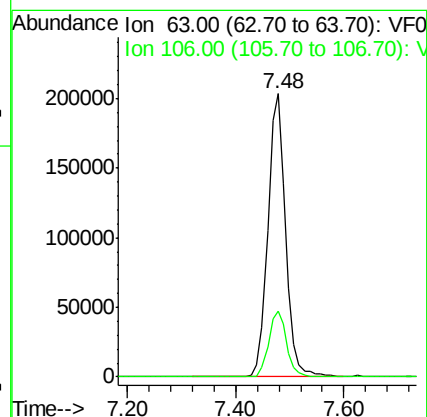
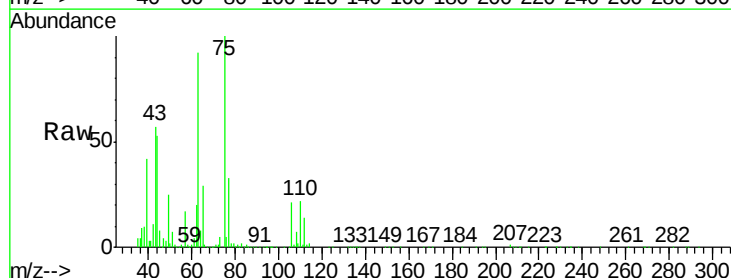
Acq: 14 May 2019 17:20

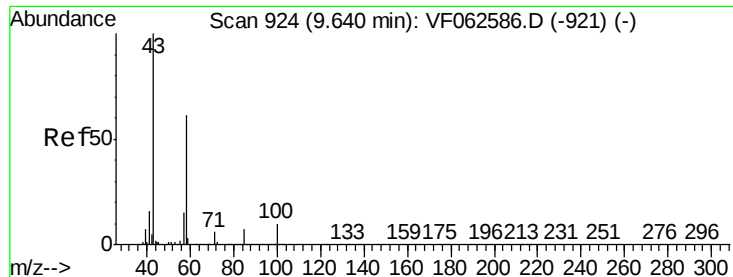
Tgt Ion: 63 Resp: 467726

Ion Ratio Lower Upper

63 100

106 23.1 18.0 27.0

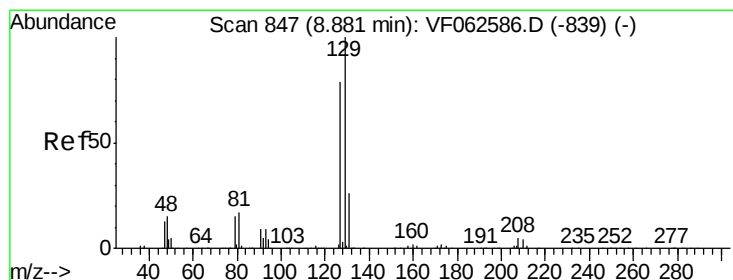
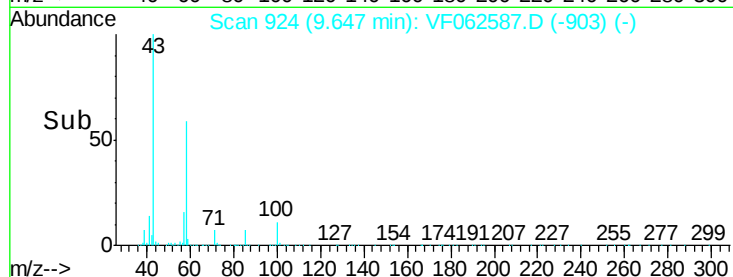
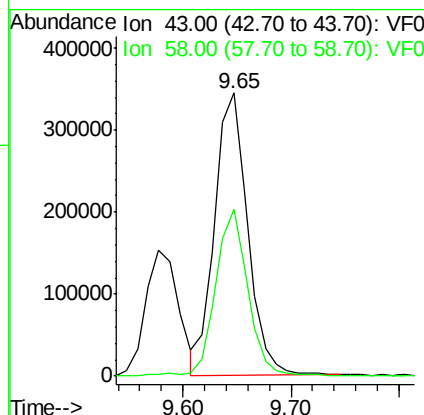
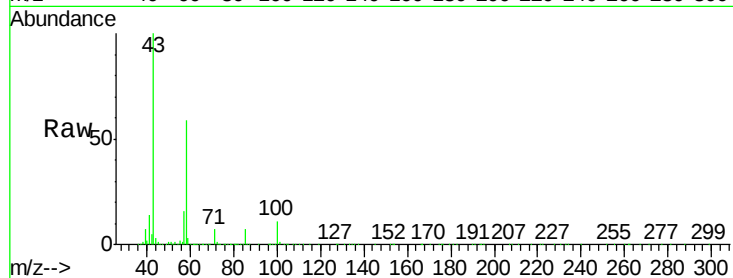




#59
2-Hexanone
Concen: 242.401 ug/l
RT: 9.65 min Scan# 924
Delta R.T. 0.01 min
Lab File: VF062587.D
Acq: 14 May 2019 17:20

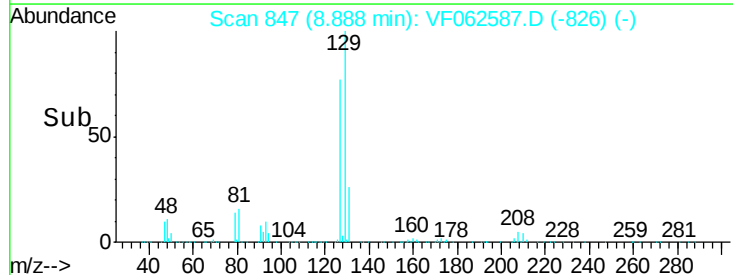
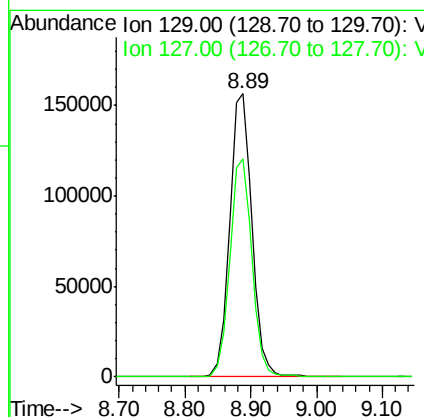
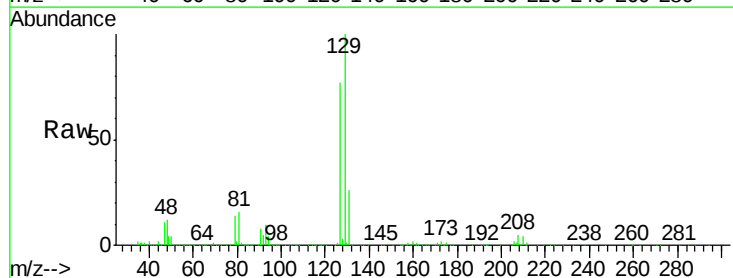
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

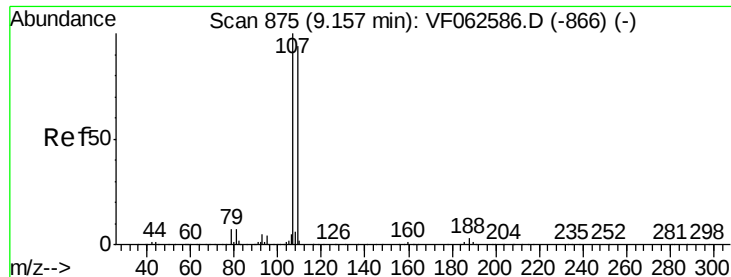
Tot Ion: 43 Resp: 728947
Ion Ratio Lower Upper
43 100
58 59.0 28.7 86.3



#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 :

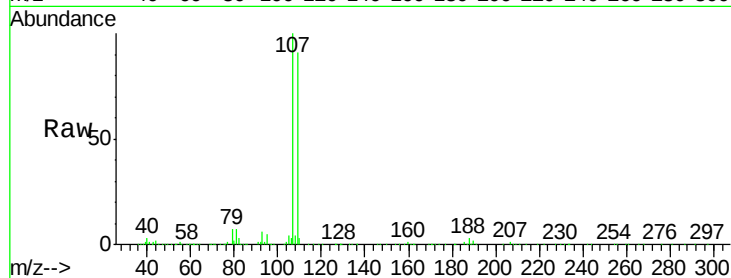
VSTDIC075

Tot Ion:107 Resp: 285815

Ion Ratio Lower Upper

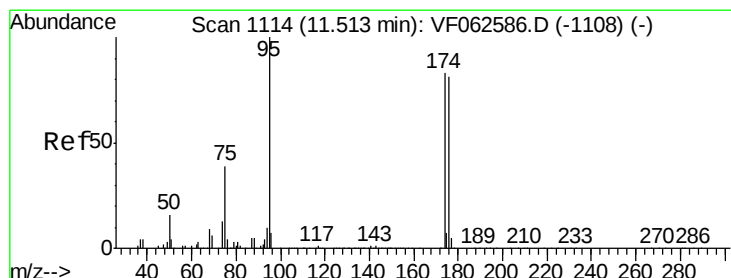
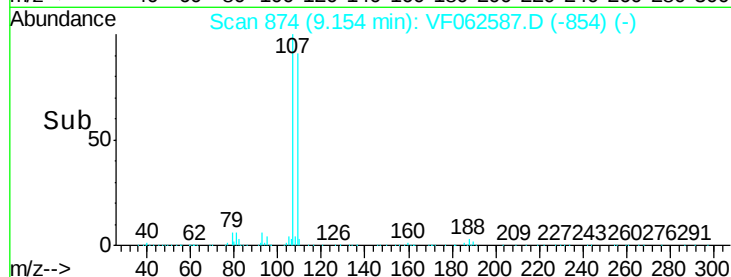
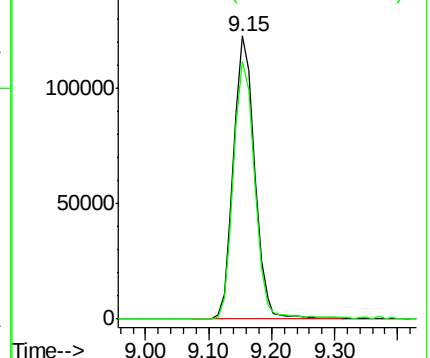
107 100

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

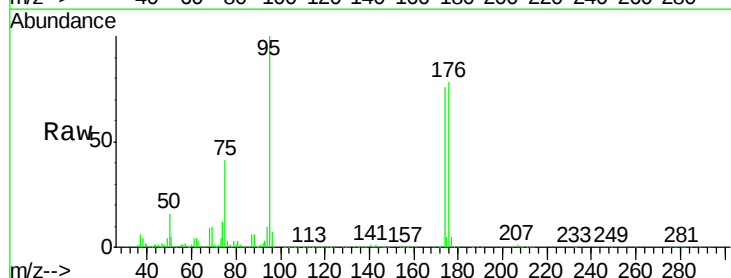
Tgt Ion: 95 Resp: 462084

Ion Ratio Lower Upper

95 100

174 76.3 0.0 166.6

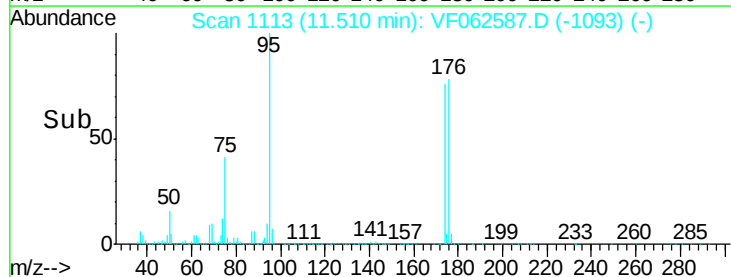
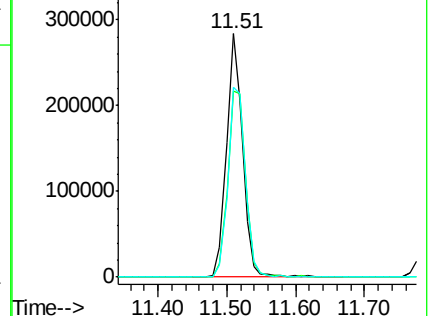
176 77.8 0.0 161.8

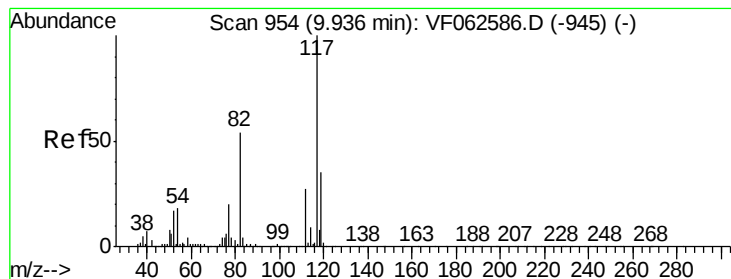


Abundance Ion 95.00 (94.70 to 95.70): VF0

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

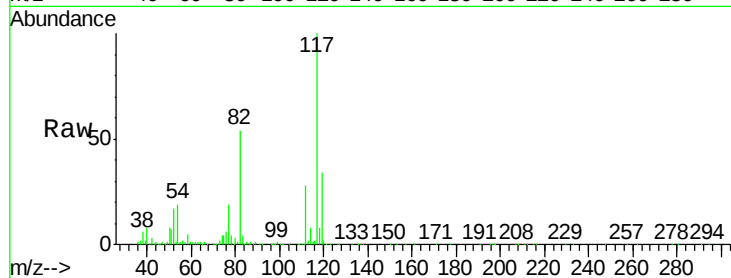
Tot Ion:117 Resp: 771231

Ion Ratio Lower Upper

117 100

82 53.9 43.4 65.0

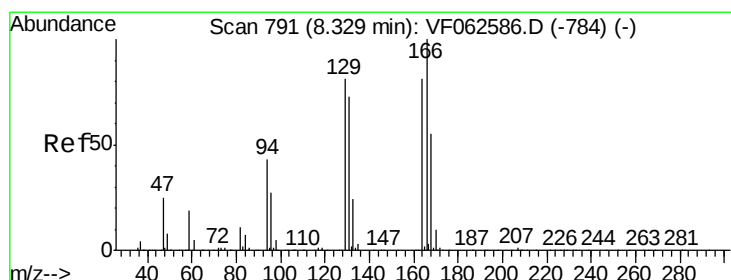
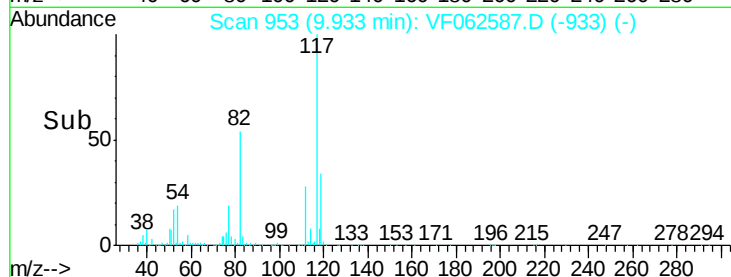
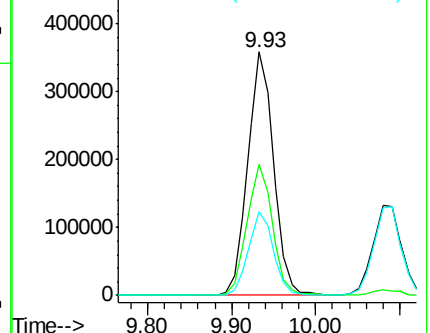
119 34.2 27.7 41.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V



#64

Tetrachloroethene

Concen: 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:164 Resp: 340328

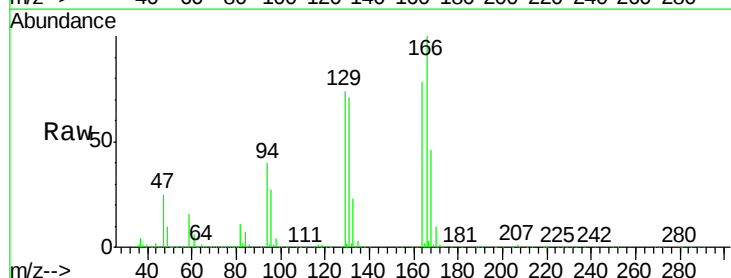
Ion Ratio Lower Upper

164 100

166 128.6 98.6 148.0

129 94.6 80.2 120.4

131 90.8 71.8 107.6

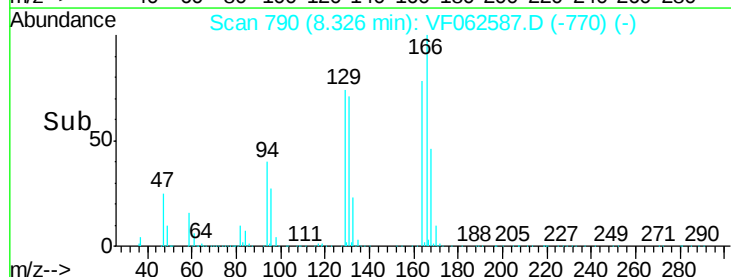
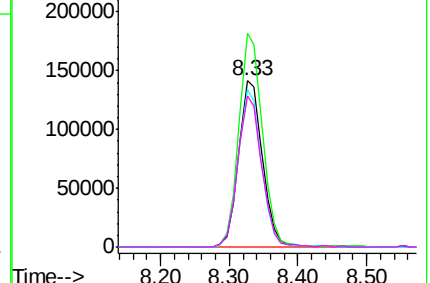


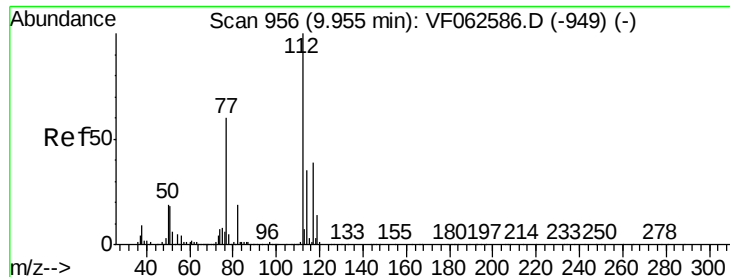
Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V





#65

Chlorobenzene

Concen: 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 :

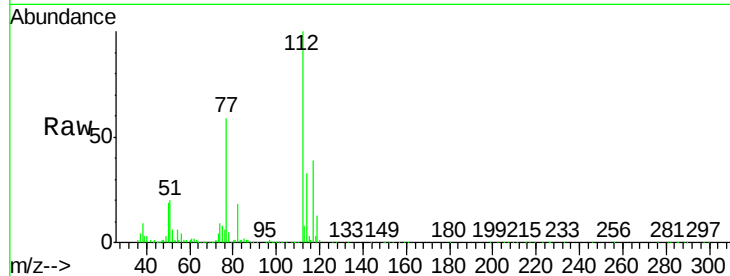
VSTDIC075

Tot Ion:112 Resp: 934773

Ion Ratio Lower Upper

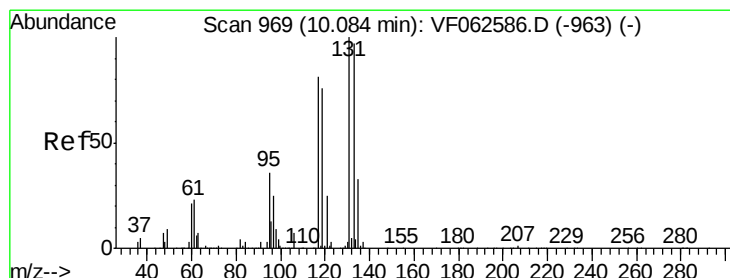
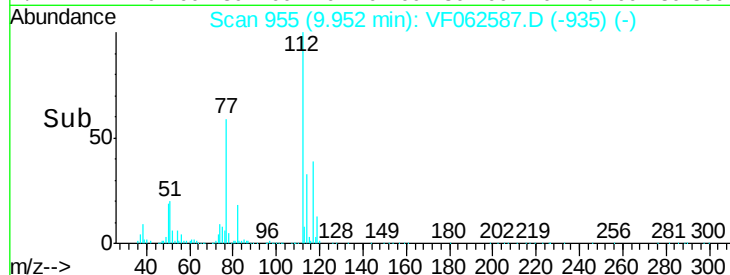
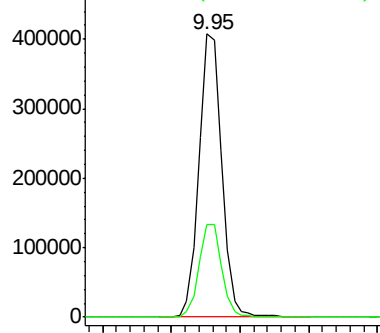
112 100

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

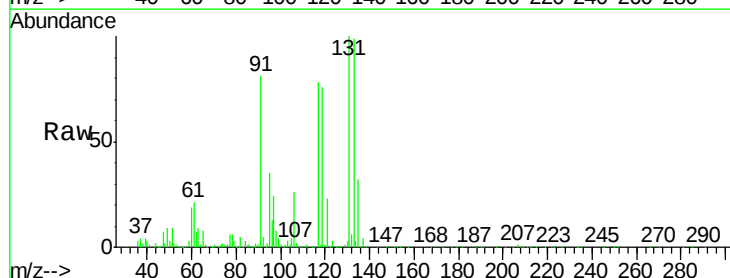
Tgt Ion:131 Resp: 405537

Ion Ratio Lower Upper

131 100

133 99.1 48.4 145.3

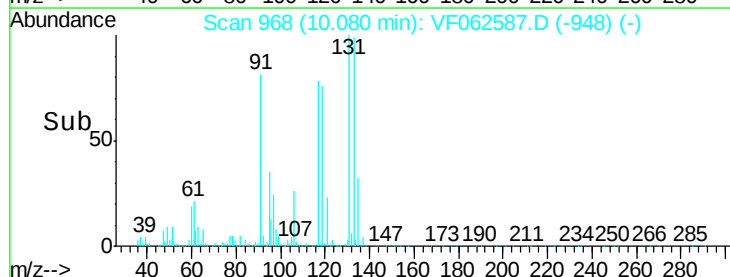
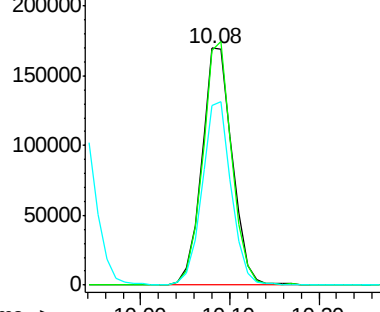
119 75.8 38.5 115.5

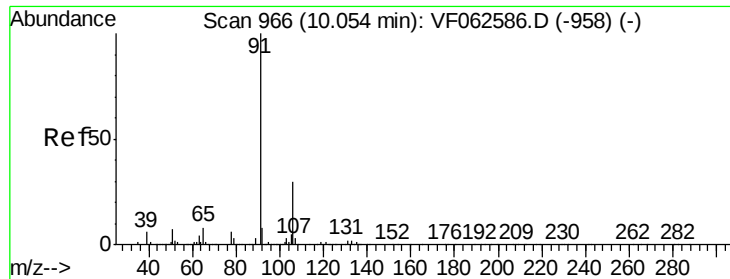


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

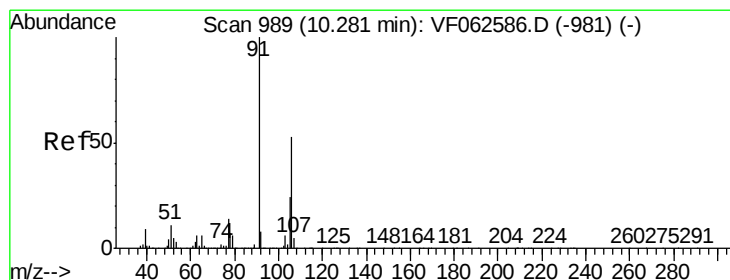
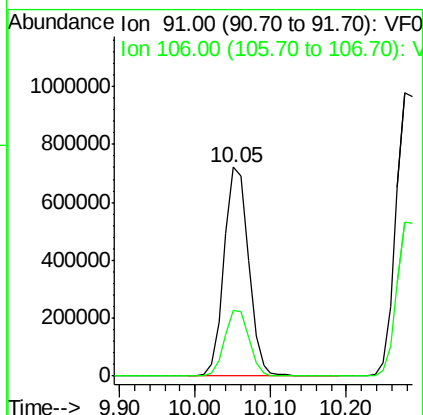
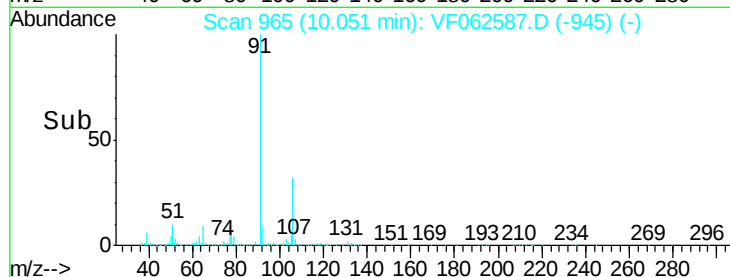
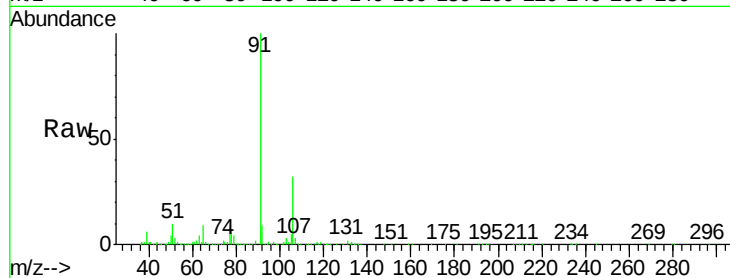




#67
Ethyl Benzene
Concen: 56.695 ug/l
RT: 10.05 min Scan# 965
Delta R.T. -0.00 min
Lab File: VF062587.D
Acq: 14 May 2019 17:20

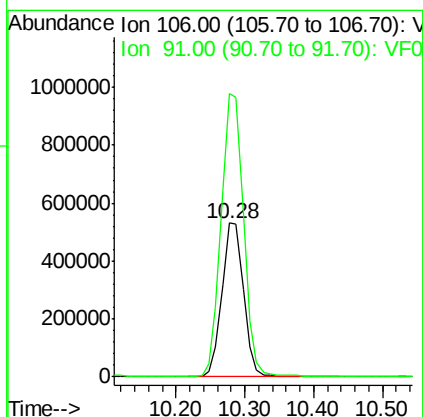
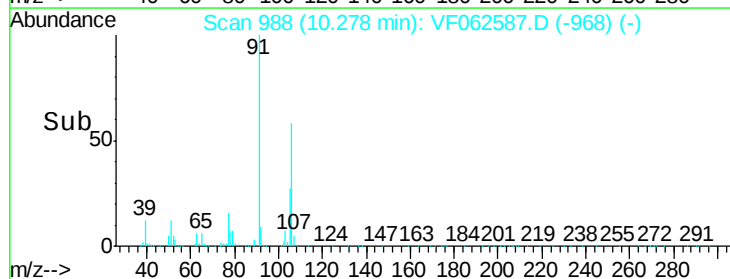
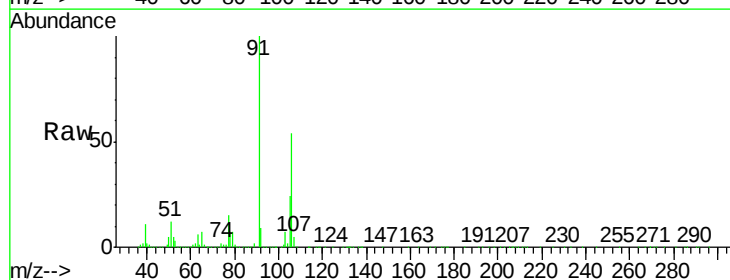
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

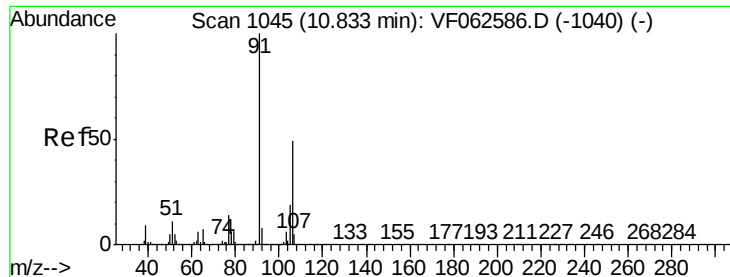
Tot Ion: 91 Resp: 1625130
Ion Ratio Lower Upper
91 100
106 31.6 24.2 36.4



#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

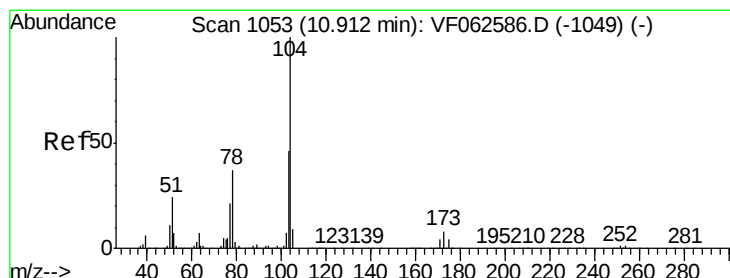
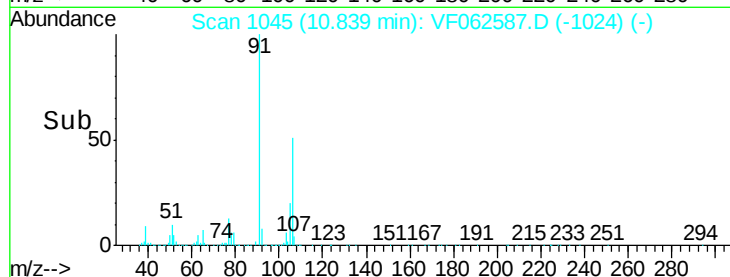
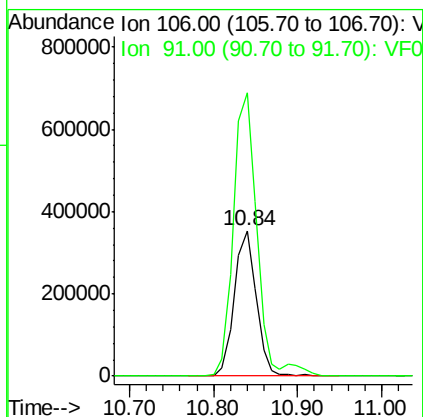
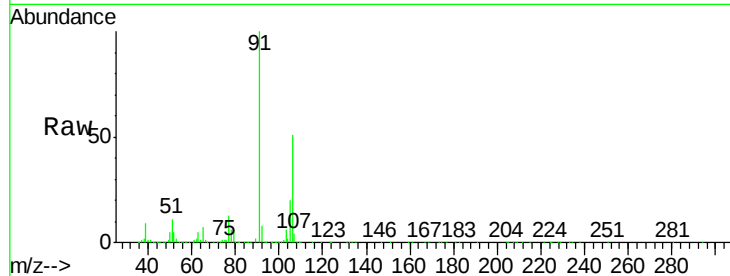




#69
o-Xylene
Concen: 62.143 ug/l
RT: 10.84 min Scan# 1045
Delta R.T. 0.01 min
Lab File: VF062587.D
Acq: 14 May 2019 17:20

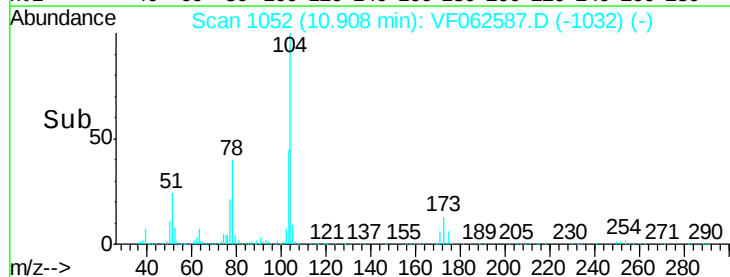
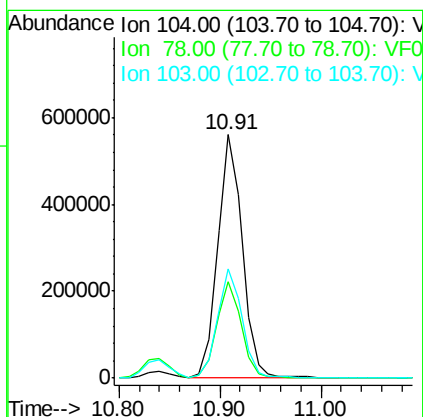
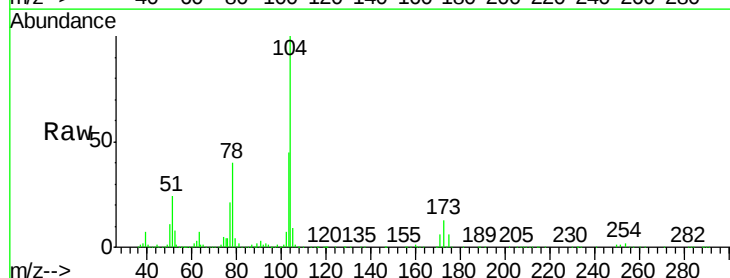
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

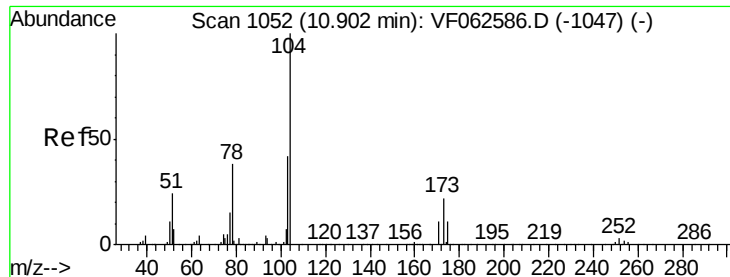
Tot Ion:106 Resp: 642028
Ion Ratio Lower Upper
106 100
91 194.4 102.0 305.9



#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

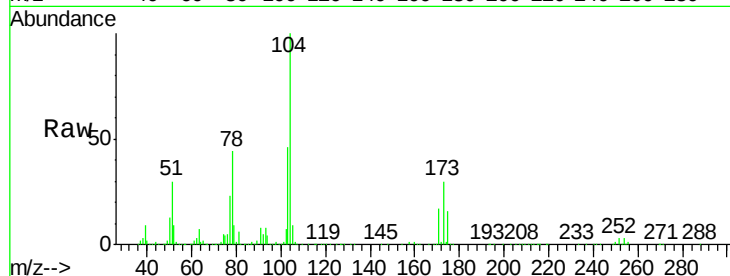
Tot Ion:173 Resp: 193606

Ion Ratio Lower Upper

173 100

175 52.6 24.1 72.3

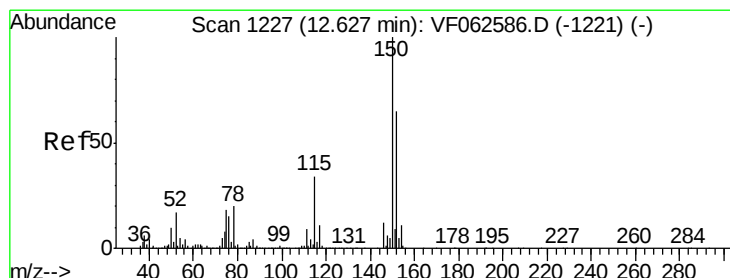
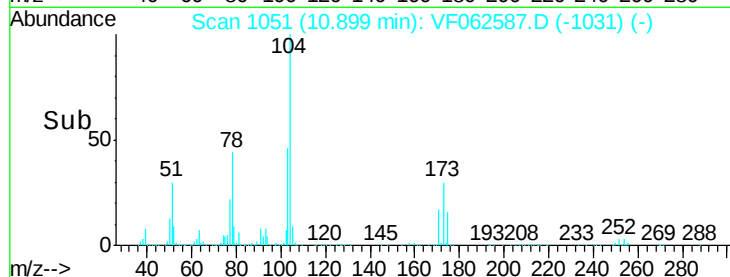
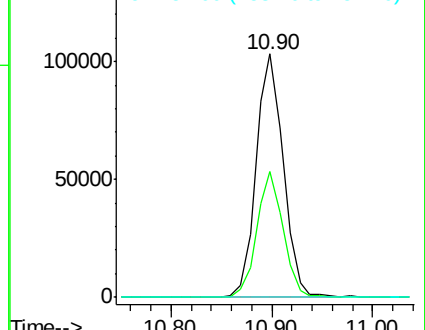
254 0.1 0.0 0.0#



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

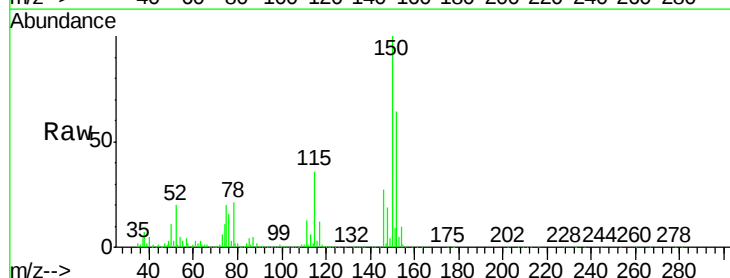
Tgt Ion:152 Resp: 369570

Ion Ratio Lower Upper

152 100

115 56.0 26.2 78.6

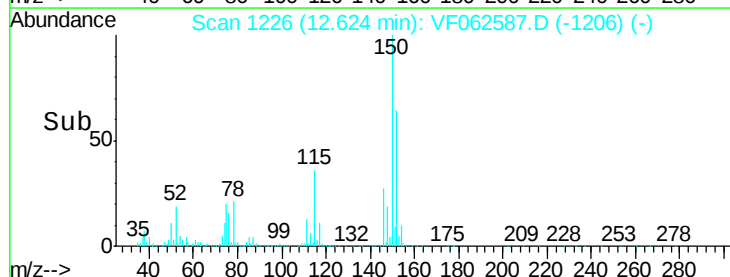
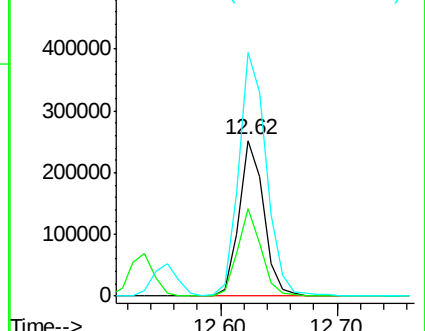
150 156.4 0.0 316.0

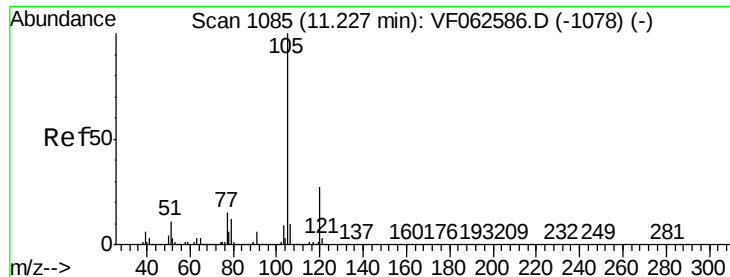


Abundance Ion 152.00 (151.70 to 152.70): V

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 :

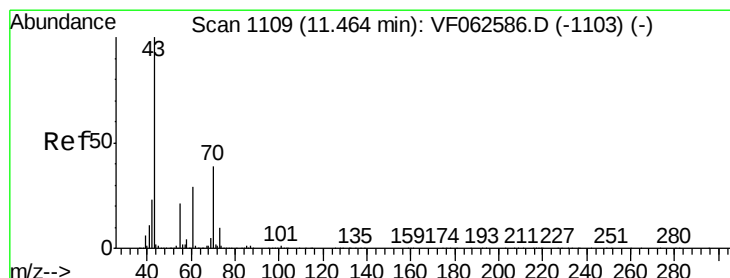
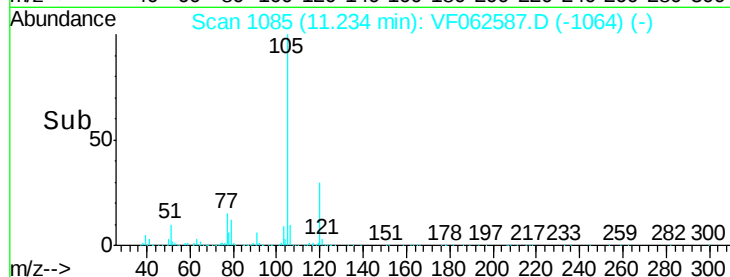
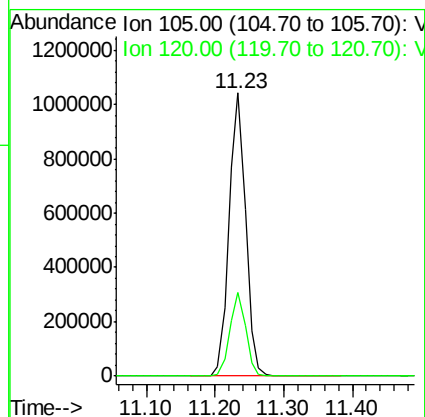
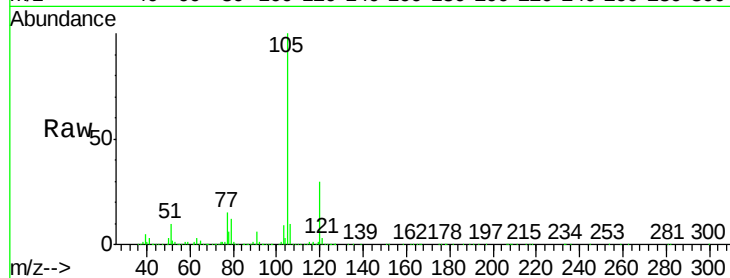
VSTDIC075

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

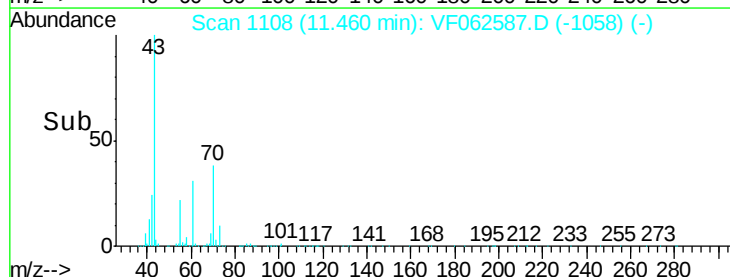
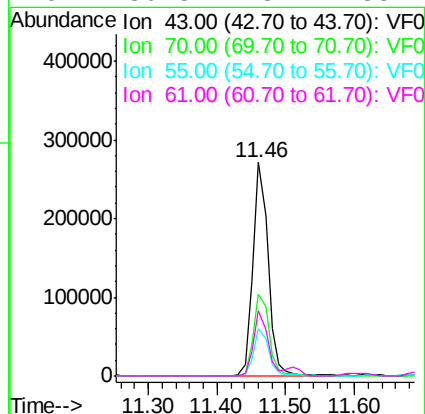
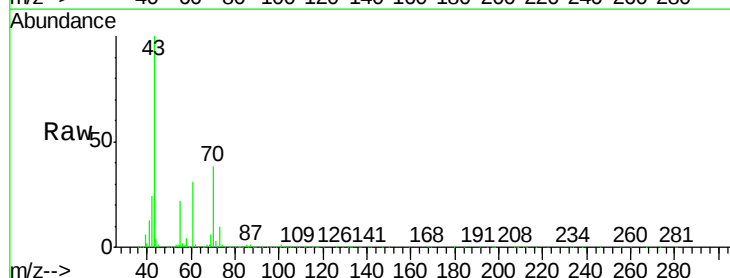
Ion Ratio Lower Upper

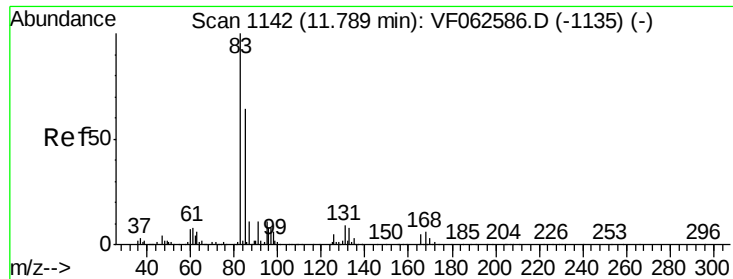
43 100

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

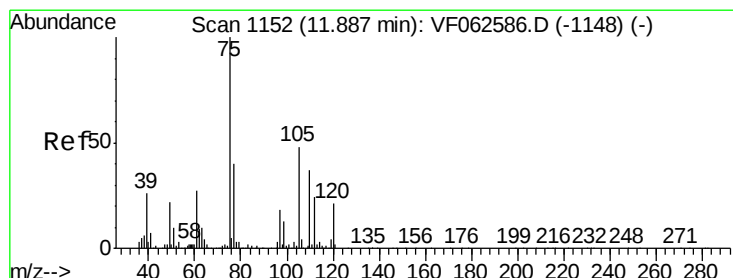
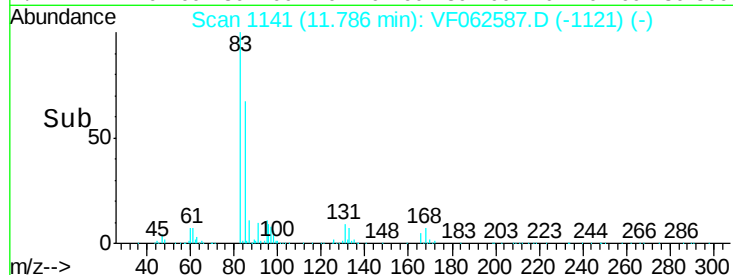
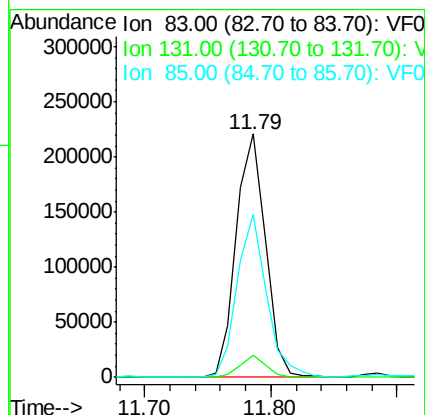
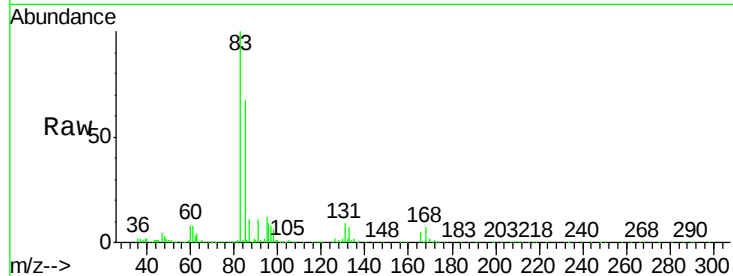
Tot Ion: 83 Resp: 355243

Ion Ratio Lower Upper

83 100

131 9.2 4.6 13.8

85 66.9 32.1 96.3



#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

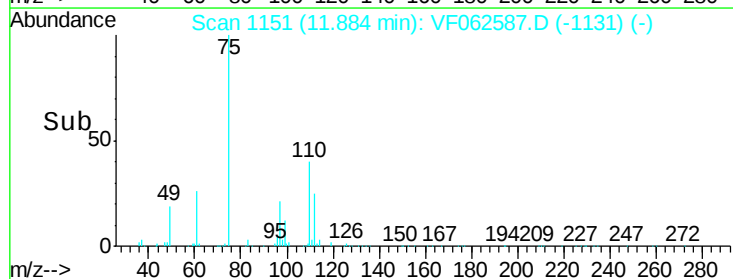
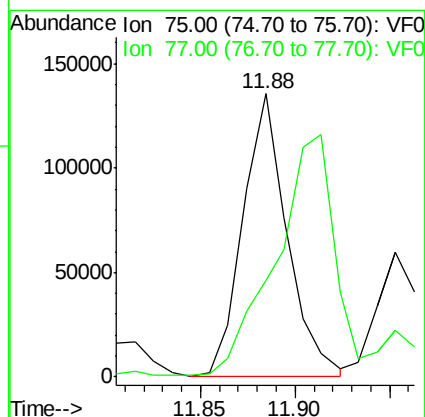
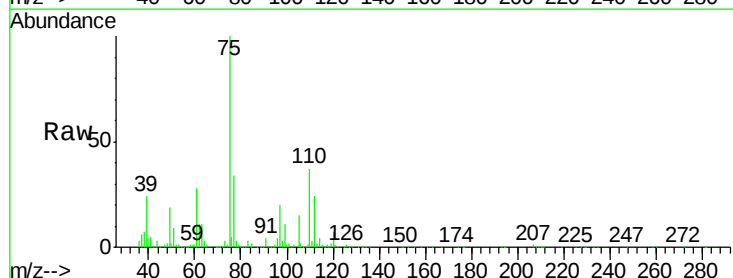
Acq: 14 May 2019 17:20

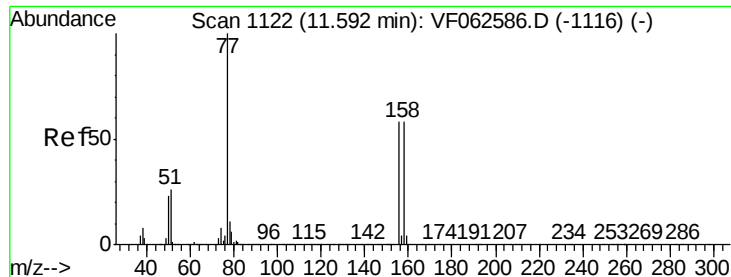
Tgt Ion: 75 Resp: 219105

Ion Ratio Lower Upper

75 100

77 34.2 20.4 61.3

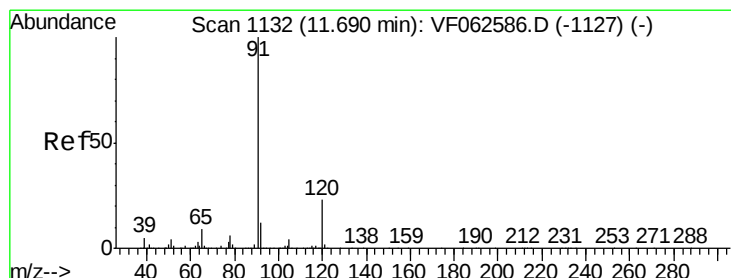
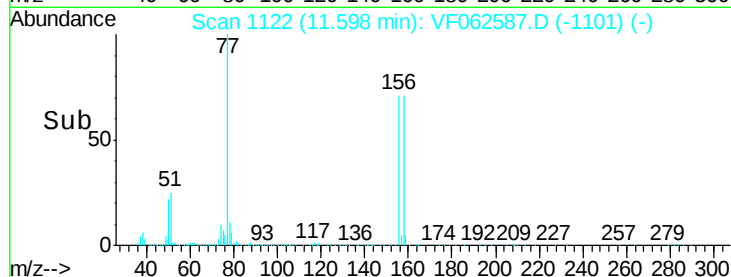
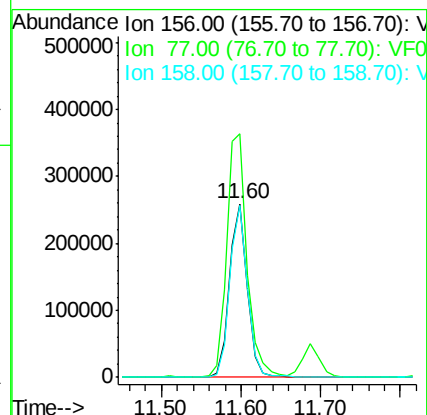
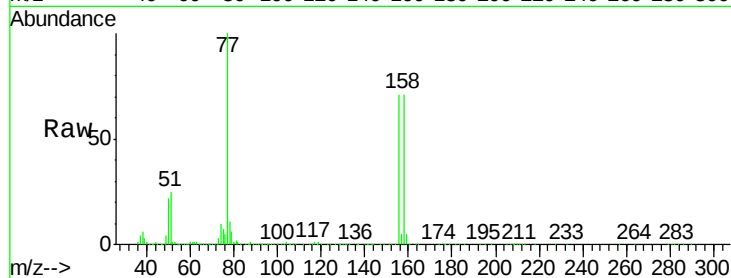




#77
Bromobenzene
Concen: 65.310 ug/l
RT: 11.60 min Scan# 1122
Delta R.T. 0.01 min
Lab File: VF062587.D
Acq: 14 May 2019 17:20

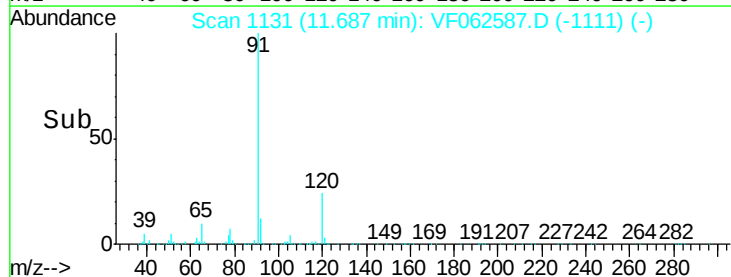
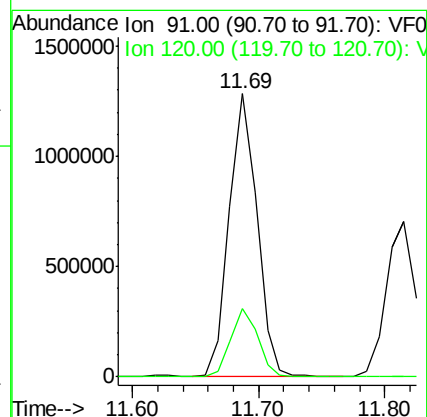
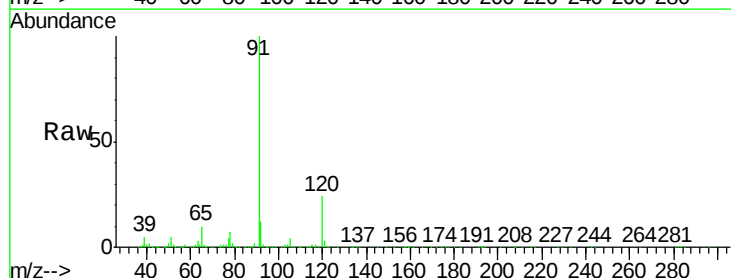
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

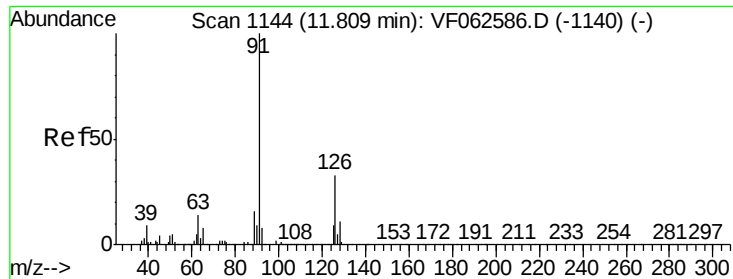
Tot Ion:156 Resp: 412532
Ion Ratio Lower Upper
156 100
77 140.5 86.5 259.5
158 99.5 50.3 150.9



#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 :

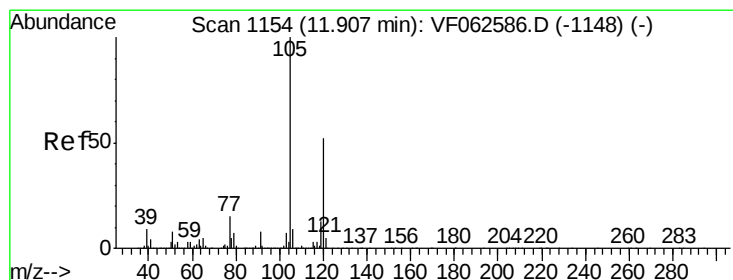
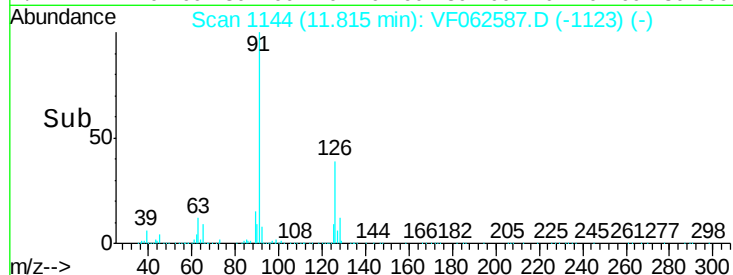
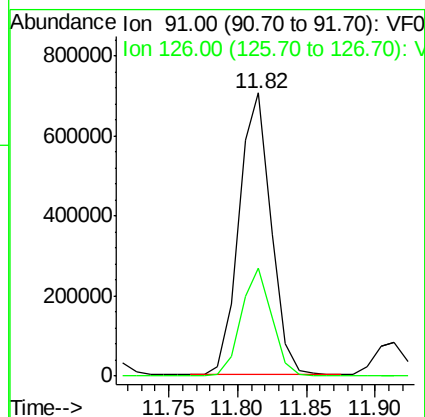
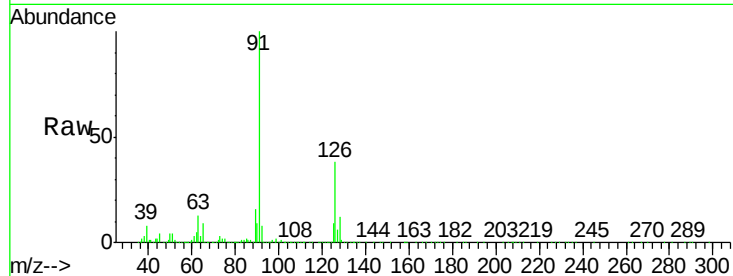
VSTDIC075

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

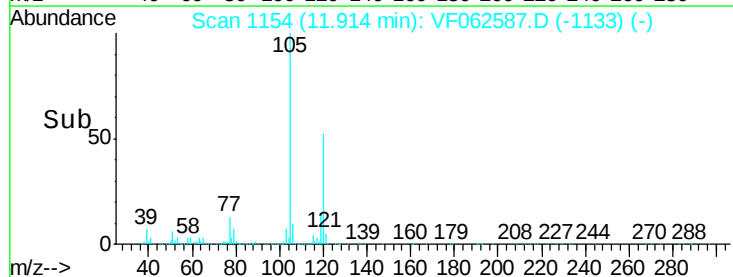
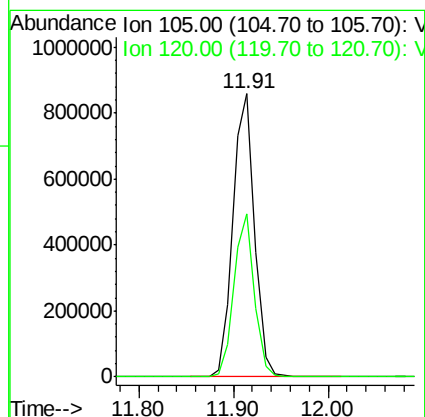
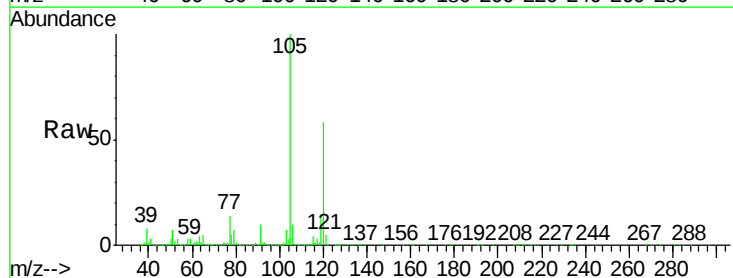
Acq: 14 May 2019 17:20

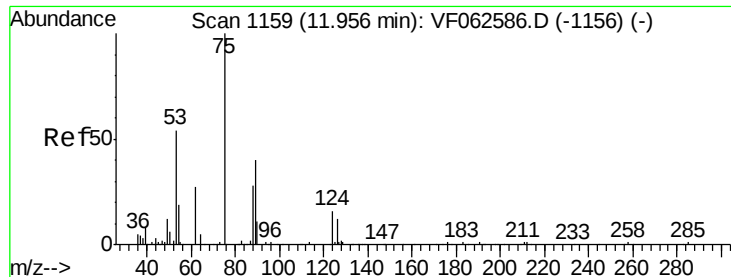
Tgt Ion:105 Resp: 1354659

Ion Ratio Lower Upper

105 100

120 57.6 25.9 77.6





#81

trans-1,4-Dichloro-2-butene

Concen: 64.047 ug/l m

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

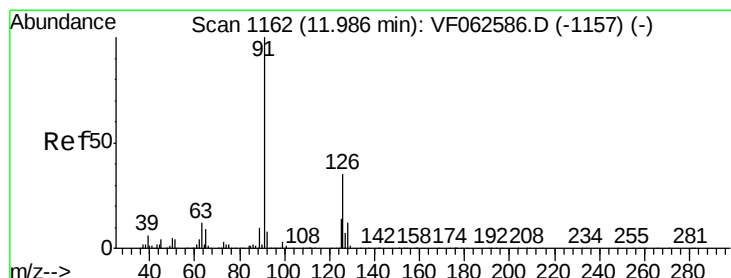
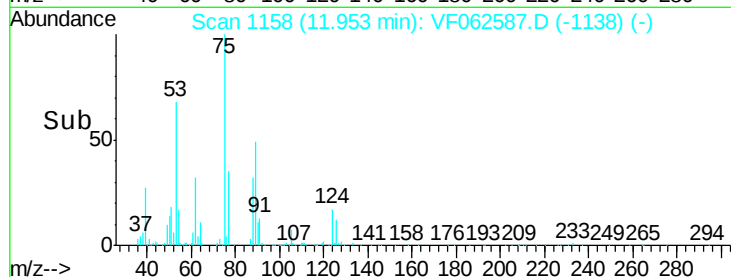
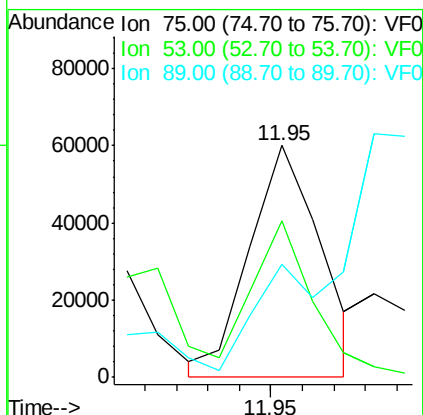
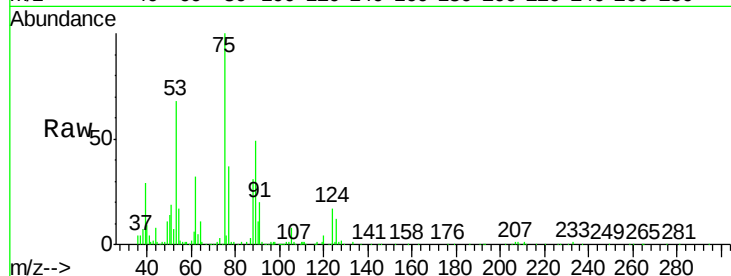
Tot Ion: 75 Resp: 94196

Ion Ratio Lower Upper

75 100

53 67.9 46.6 70.0

89 48.7 33.8 50.8



#82

4-Chlorotoluene

Concen: 54.424 ug/l

RT: 11.99 min Scan# 1162

Delta R.T. 0.01 min

Lab File: VF062587.D

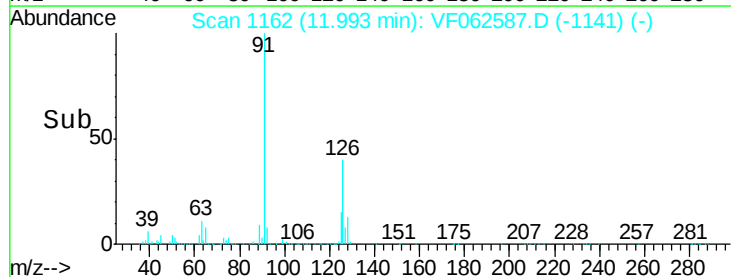
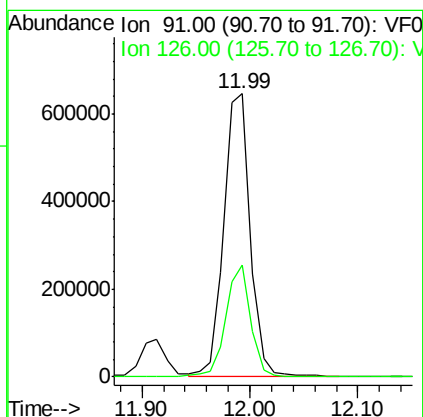
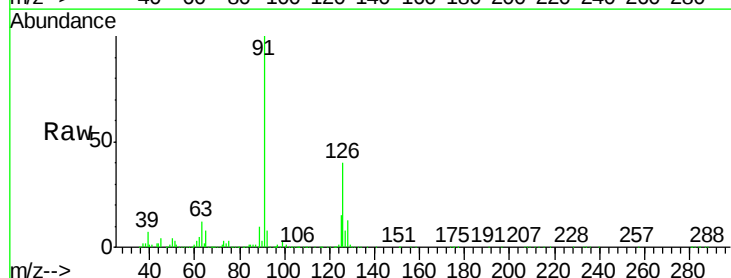
Acq: 14 May 2019 17:20

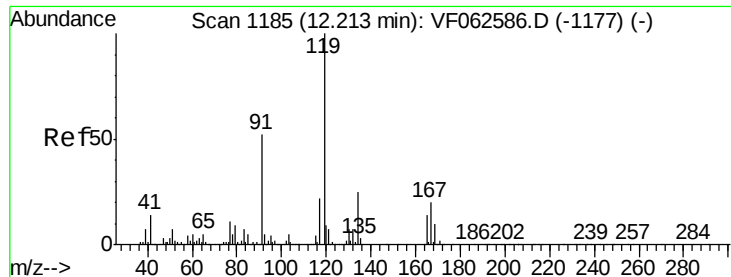
Tgt Ion: 91 Resp: 1091021

Ion Ratio Lower Upper

91 100

126 39.7 17.5 52.5





#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

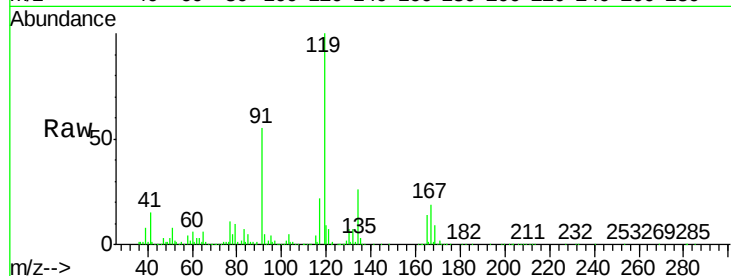
Tot Ion:119 Resp: 1493087

Ion Ratio Lower Upper

119 100

91 55.5 26.0 78.0

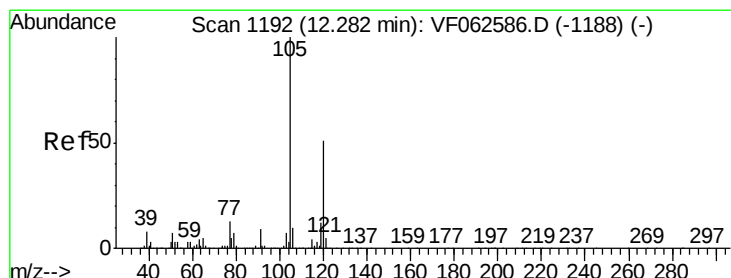
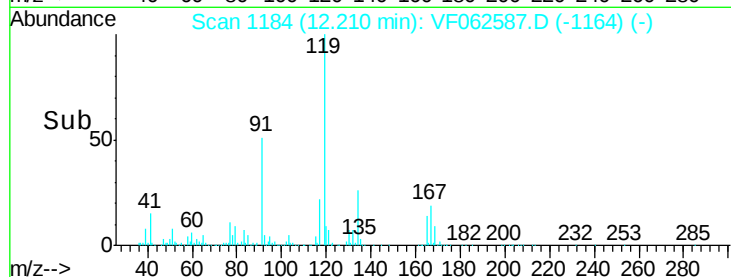
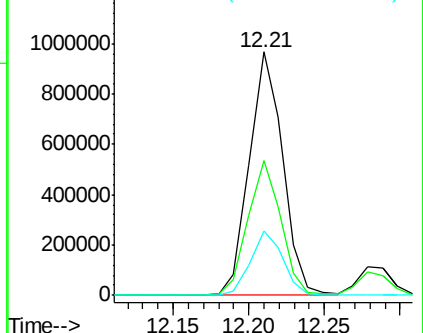
134 26.2 12.6 37.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

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

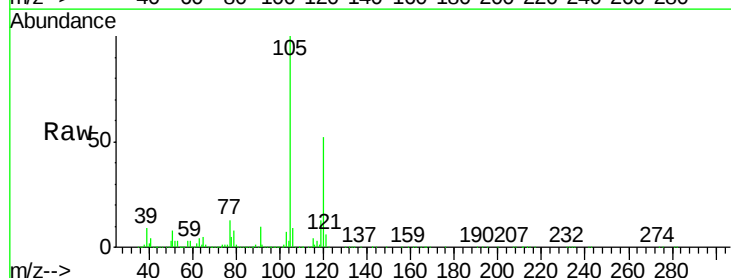
Acq: 14 May 2019 17:20

Tgt Ion:105 Resp: 1366178

Ion Ratio Lower Upper

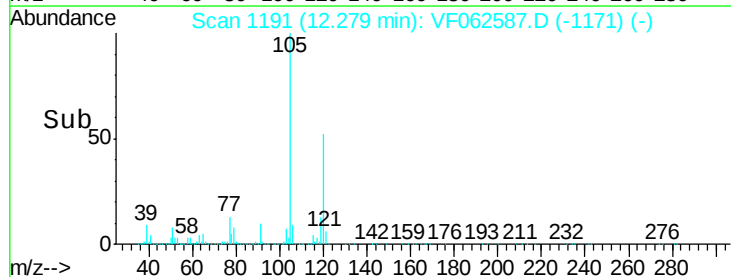
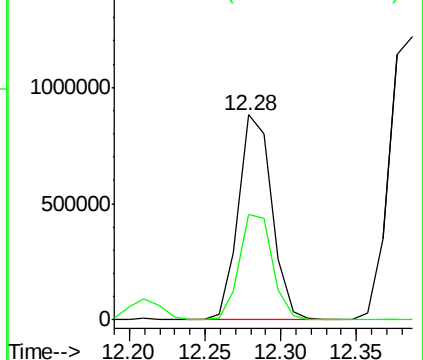
105 100

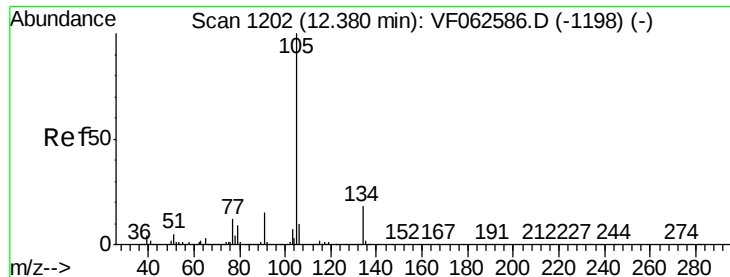
120 51.7 25.4 76.0



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 :

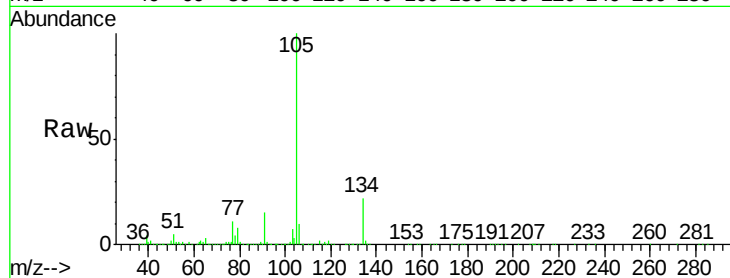
VSTDIC075

Tot Ion:105 Resp: 1955004

Ion Ratio Lower Upper

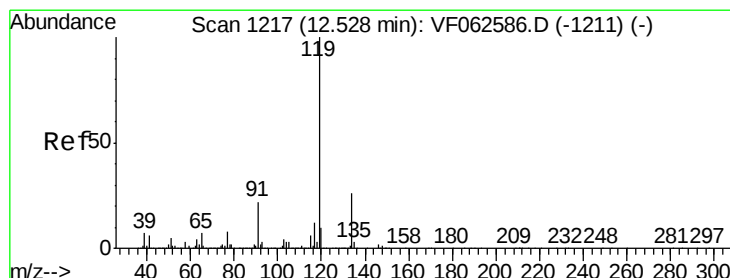
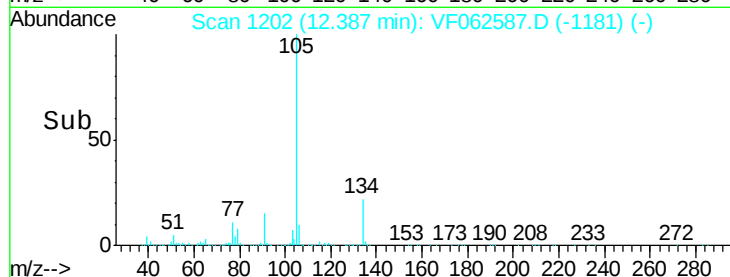
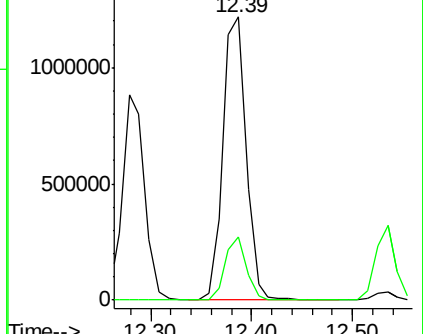
105 100

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

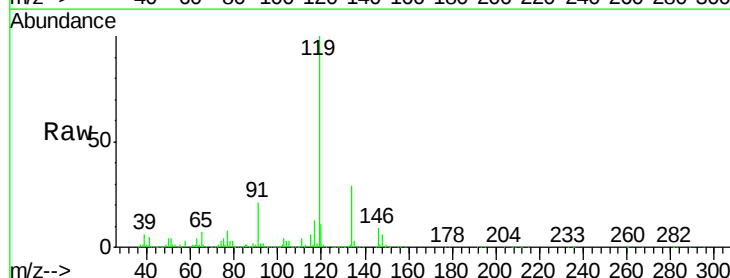
Tgt Ion:119 Resp: 1605275

Ion Ratio Lower Upper

119 100

134 29.5 13.0 39.0

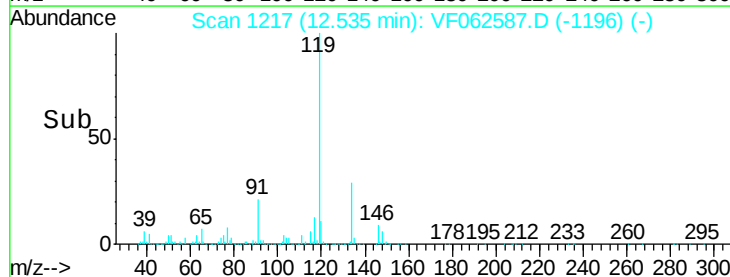
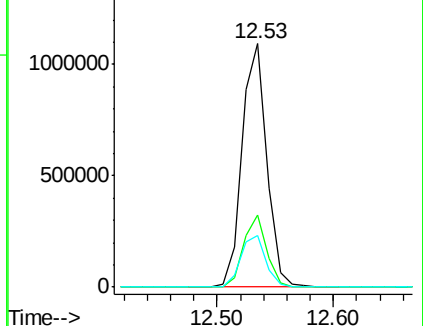
91 21.2 10.9 32.9

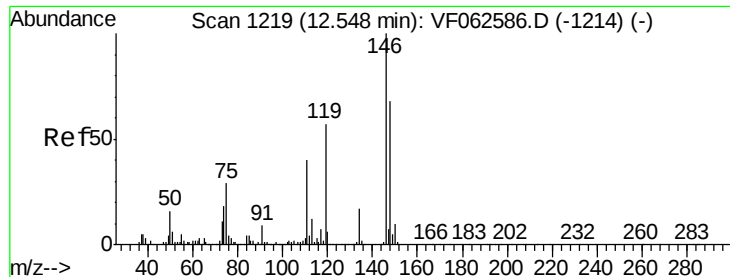


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0

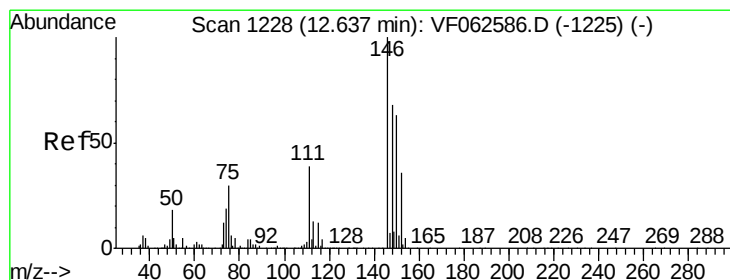
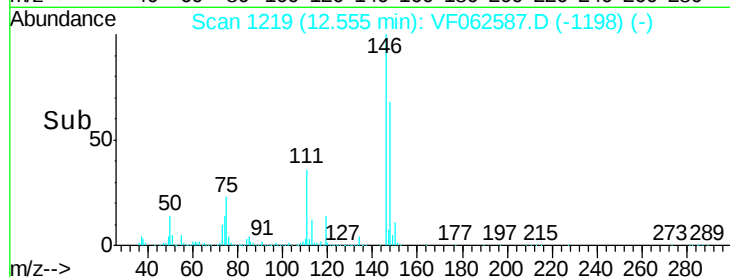
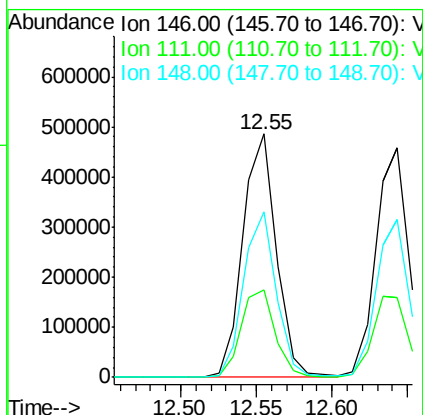
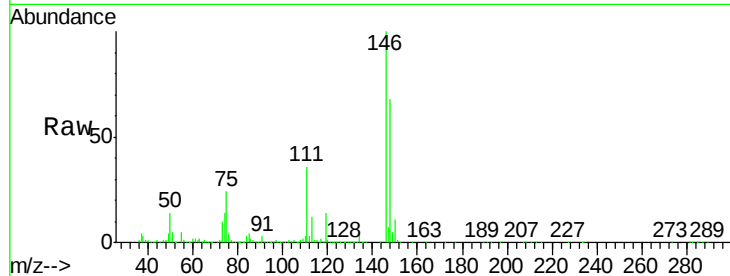




#87
 1,3-Dichlorobenzene
 Concen: 62.610 ug/l
 RT: 12.55 min Scan# 1219
 Delta R.T. 0.01 min
 Lab File: VF062587.D
 Acq: 14 May 2019 17:20

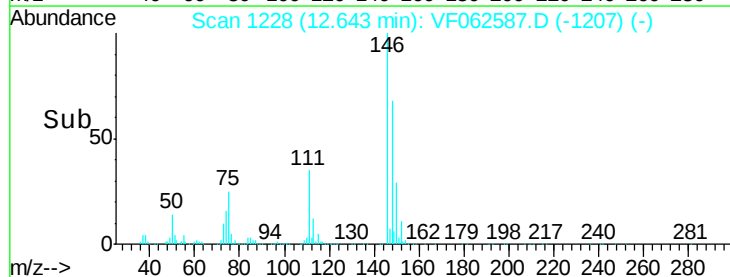
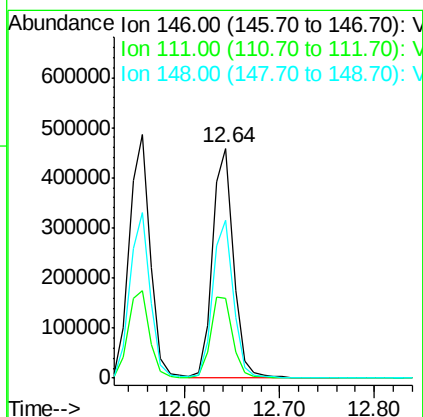
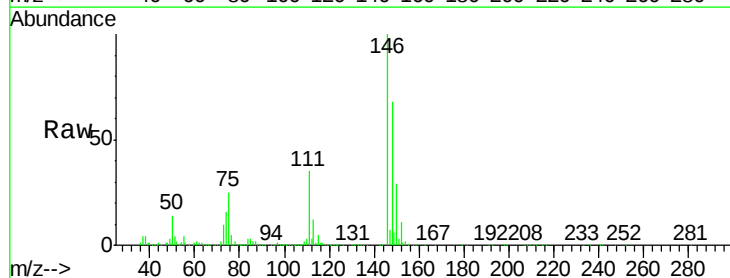
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

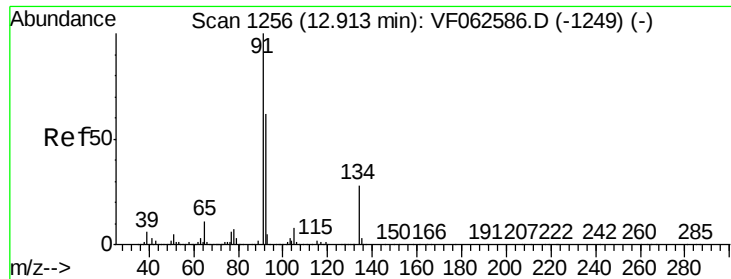
Tot Ion:146 Resp: 748692
 Ion Ratio Lower Upper
 146 100
 111 35.7 20.1 60.2
 148 68.2 34.0 101.8



#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

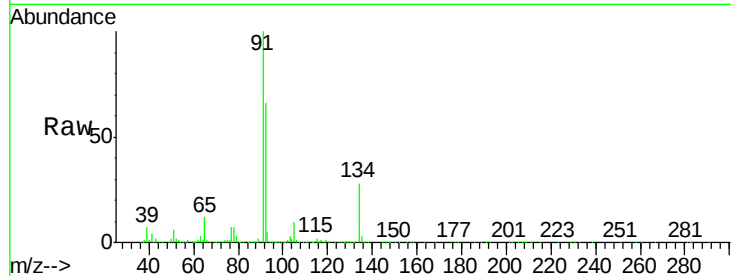
Tot Ion: 91 Resp: 1556869

Ion Ratio Lower Upper

91 100

92 66.1 30.9 92.8

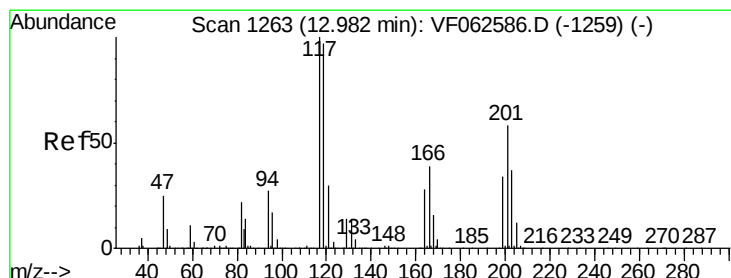
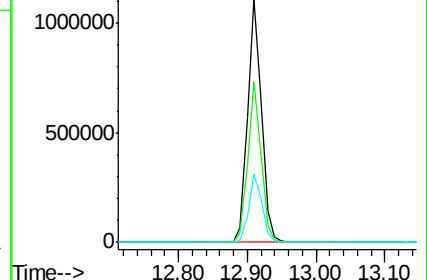
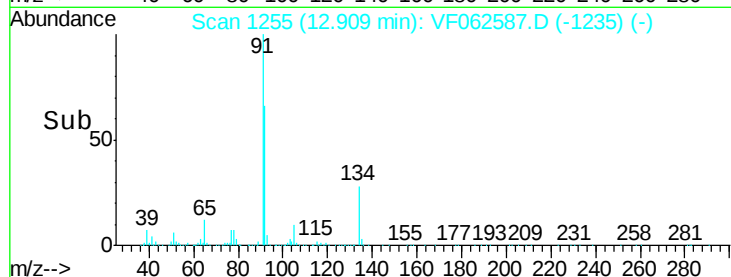
134 28.3 13.9 41.6



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

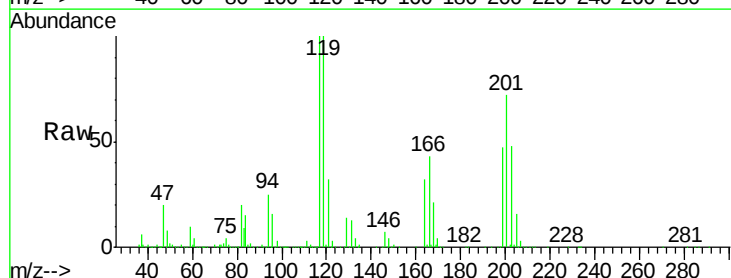
Acq: 14 May 2019 17:20

Tgt Ion: 117 Resp: 424227

Ion Ratio Lower Upper

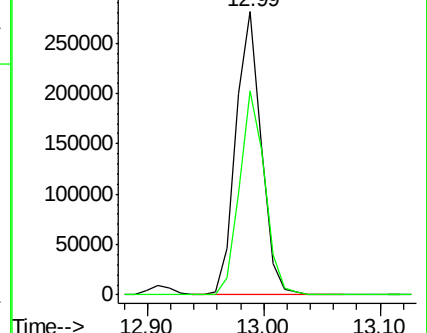
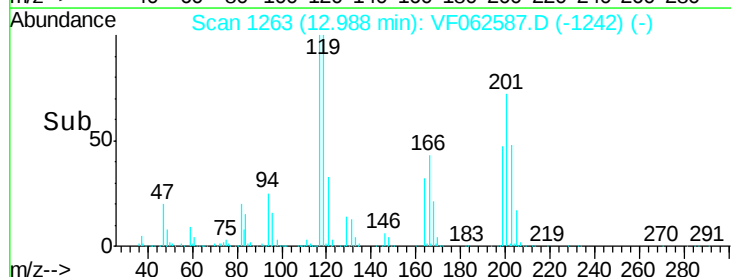
117 100

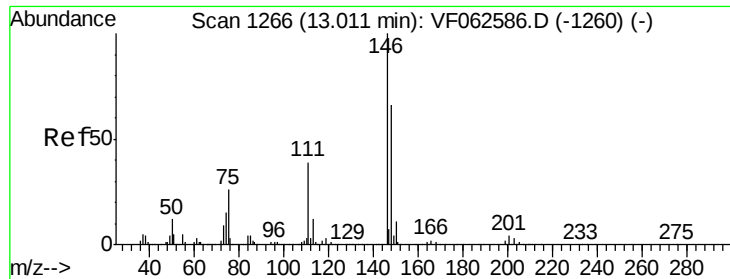
201 71.9 29.7 89.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V

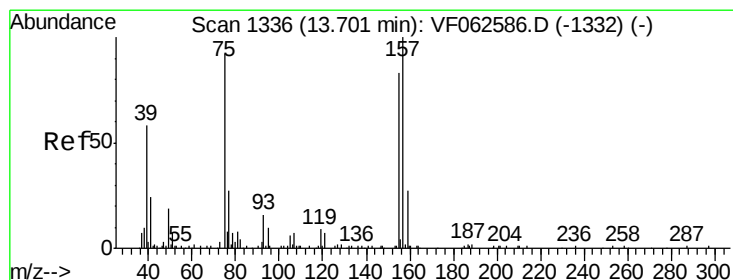
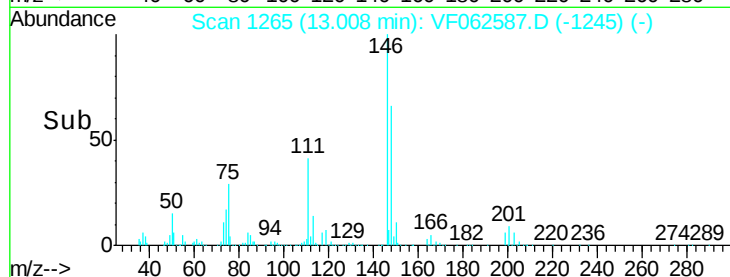
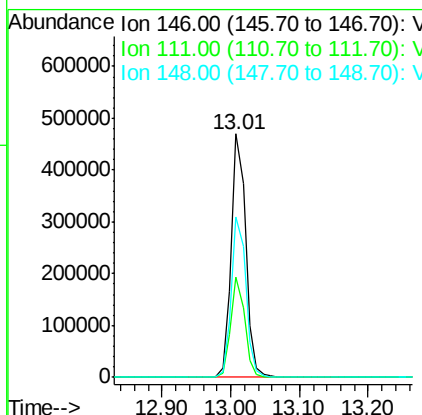
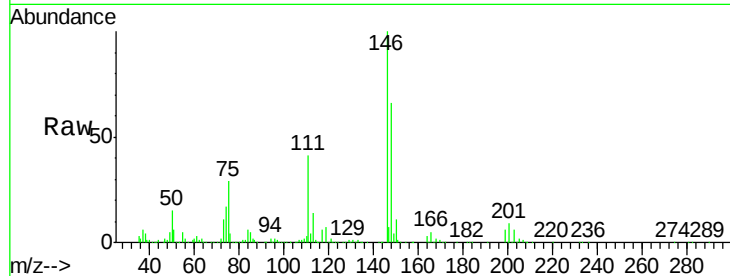




#91
 1,2-Dichlorobenzene
 Concen: 60.926 ug/l
 RT: 13.01 min Scan# 1265
 Delta R.T. -0.00 min
 Lab File: VF062587.D
 Acq: 14 May 2019 17:20

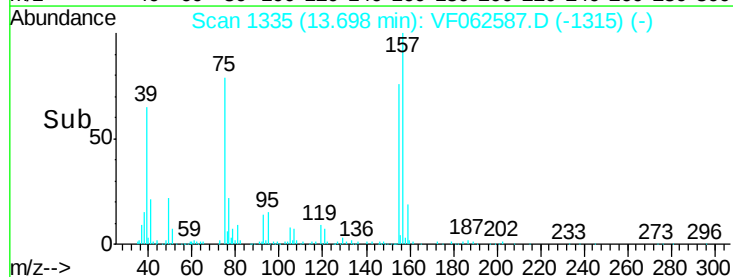
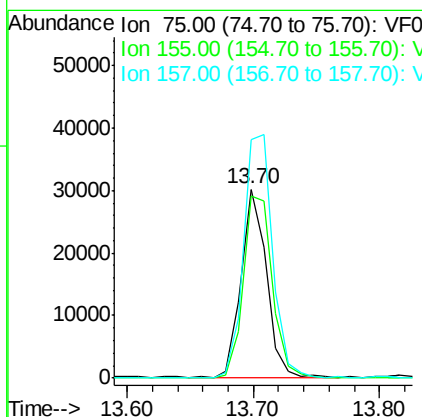
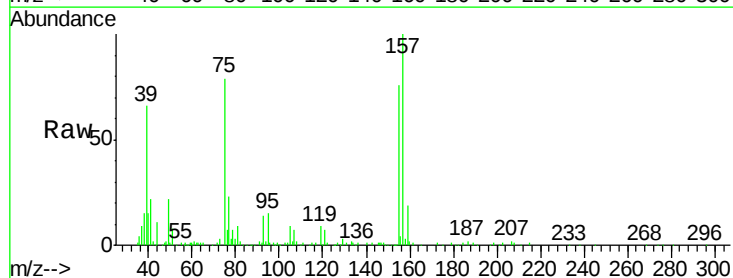
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

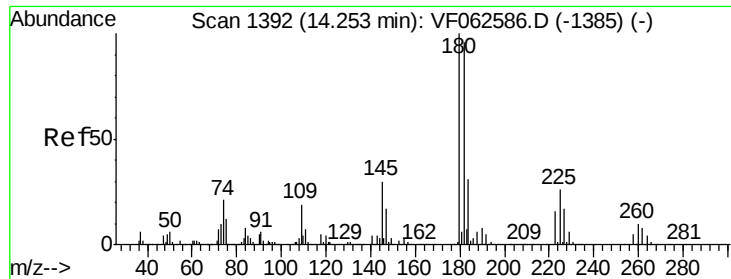
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.3	19.4	58.2
148	66.0	33.1	99.5



#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	Ratio	Lower	Upper
75	100		
155	96.4	44.8	134.4
157	126.1	54.1	162.3

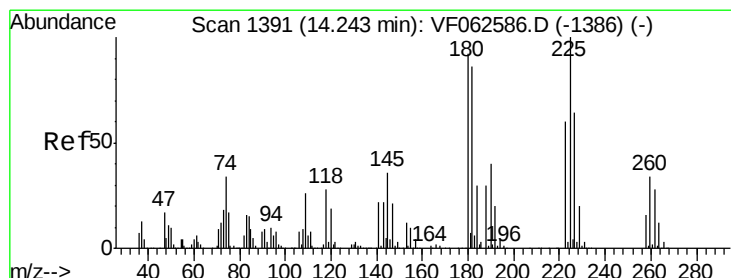
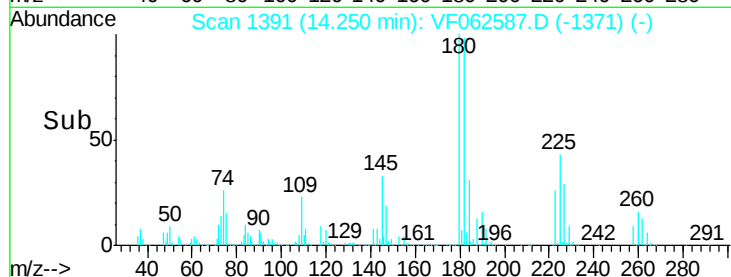
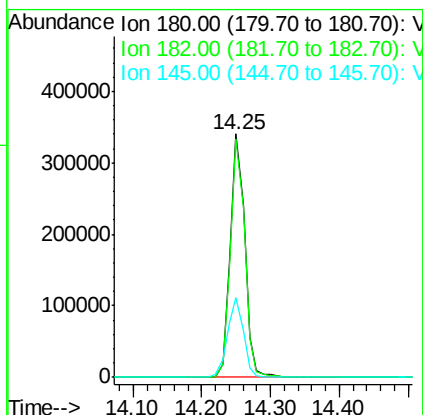
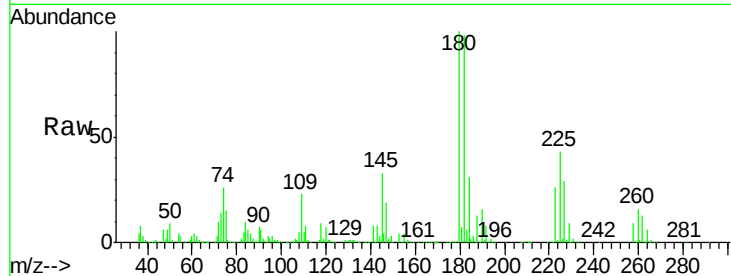




#93
 1,2,4-Trichlorobenzene
 Concen: 60.426 ug/l
 RT: 14.25 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VF062587.D
 Acq: 14 May 2019 17:20

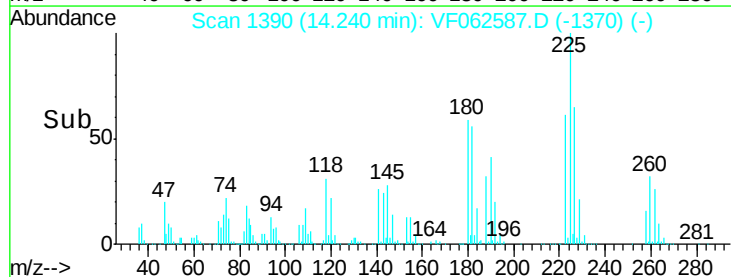
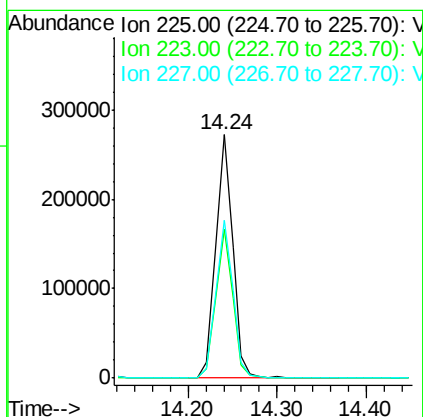
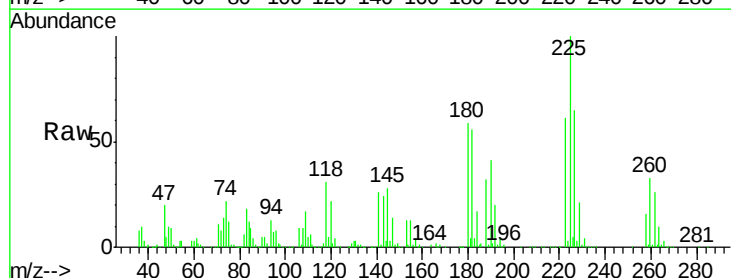
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

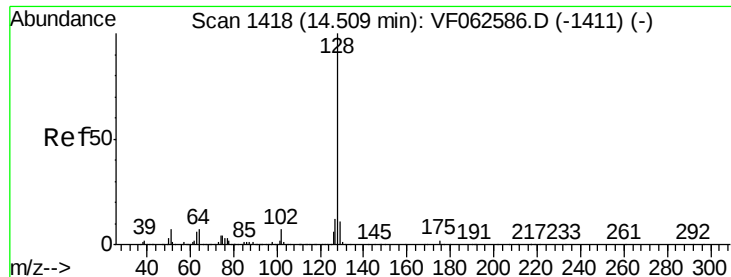
Tot Ion:180 Resp: 499324
 Ion Ratio Lower Upper
 180 100
 182 97.9 47.9 143.8
 145 33.0 14.8 44.4



#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

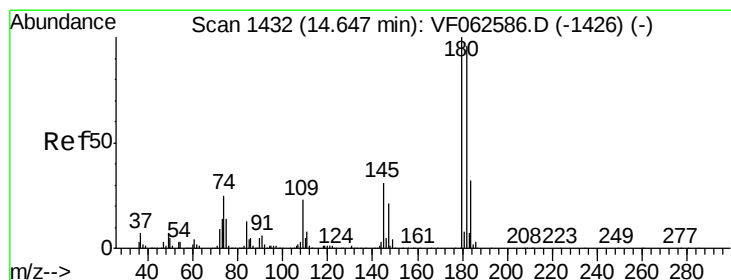
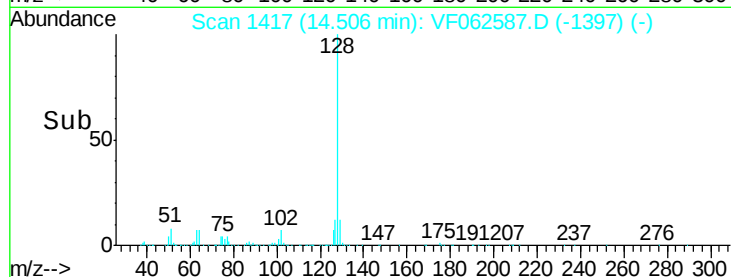
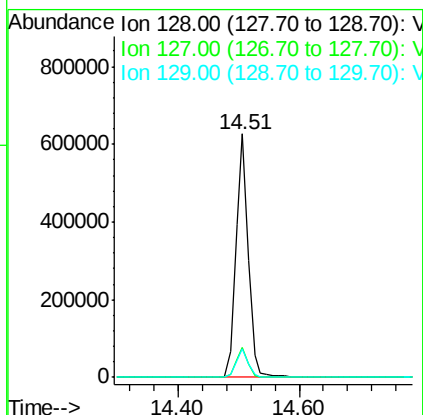
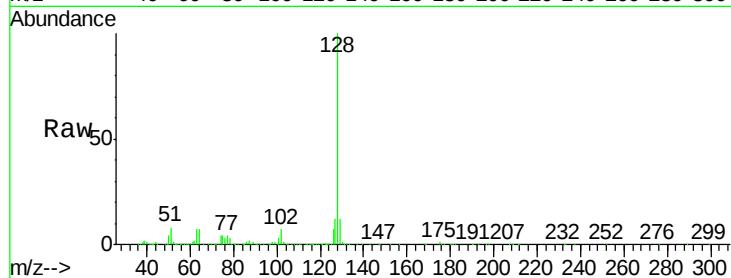




#95
Naphthalene
Concen: 65.168 ug/l
RT: 14.51 min Scan# 1417
Delta R.T. -0.00 min
Lab File: VF062587.D
Acq: 14 May 2019 17:20

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



#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

