

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051419\
 Data File : VF062588.D
 Acq On : 14 May 2019 17:48
 Operator : FY/SY
 Sample : VSTDICC100
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICC100

Quant Time: May 15 05:00:51 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	5.08	168	649906	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.81	114	1067502	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.94	117	793885	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	389621	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.06	65	450482	63.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	127.98%	
35) Dibromofluoromethane	4.34	113	730188	91.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	183.70%	
50) Toluene-d8	7.74	98	1674652	74.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	149.74%	
62) 4-Bromofluorobenzene	11.51	95	600660	67.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	134.46%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.02	85	530874	59.350	ug/l	96
3) Chloromethane	1.15	50	594170	76.260	ug/l	98
4) Vinyl Chloride	1.20	62	577863	74.849	ug/l	100
5) Bromomethane	1.40	94	270817	44.677	ug/l	83
6) Chloroethane	1.46	64	220210	55.240	ug/l	96
7) Trichlorofluoromethane	1.57	101	826303	73.691	ug/l	91
8) Diethyl Ether	1.73	74	182030	76.657	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	1.92	101	545292	74.508	ug/l #	94
10) Methyl Iodide	1.99	142	1000088m	80.511	ug/l	
11) Tert butyl alcohol	2.71	59	129616	392.513	ug/l	99
12) 1,1-Dichloroethene	1.89	96	477618	72.074	ug/l	98
13) Acrolein	2.12	56	66244	207.745	ug/l	86
14) Allyl chloride	2.22	41	578027m	69.026	ug/l	
15) Acrylonitrile	3.11	53	569343	576.449	ug/l	95
16) Acetone	2.37	43	435504	320.376	ug/l	93
17) Carbon Disulfide	1.93	76	1102834	54.300	ug/l	100
18) Methyl Acetate	2.47	43	191180	58.047	ug/l #	86
19) Methyl tert-butyl Ether	2.56	73	937810	78.247	ug/l	97
20) Methylene Chloride	2.31	84	497387m	62.512	ug/l	
21) trans-1,2-Dichloroethene	2.44	96	471465	79.080	ug/l	95
22) Diisopropyl ether	2.96	45	1309446	67.680	ug/l	96
23) Vinyl Acetate	3.37	43	3430034	368.769	ug/l	99
24) 1,1-Dichloroethane	3.04	63	938172	80.232	ug/l	99
25) 2-Butanone	4.55	43	981855	384.977	ug/l	97
26) 2,2-Dichloropropane	3.81	77	471809	75.984	ug/l	100
27) cis-1,2-Dichloroethene	3.68	96	717221	90.823	ug/l	98
28) Bromochloromethane	3.93	49	523262	99.081	ug/l	84
29) Tetrahydrofuran	4.29	42	412022	374.262	ug/l	96
30) Chloroform	4.08	83	1083269	76.875	ug/l	91
31) Cyclohexane	3.90	56	880904	76.351	ug/l	98
32) 1,1,1-Trichloroethane	4.32	97	727205	78.293	ug/l	99
36) 1,1-Dichloropropene	4.51	75	790652	68.495	ug/l	99
37) Ethyl Acetate	4.33	43	331988	62.165	ug/l	92
38) Carbon Tetrachloride	4.22	117	668382	75.029	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.67	83	931302	79.790	ug/l	95
40) Benzene	4.85	78	2220995	85.385	ug/l	98
41) Methacrylonitrile	4.96	41	198605	65.990	ug/l	96
42) 1,2-Dichloroethane	5.16	62	490890	53.962	ug/l	99
43) Isopropyl Acetate	7.14	43	396588	68.800	ug/l #	97
44) Trichloroethene	5.72	130	602520	76.570	ug/l	99
45) 1,2-Dichloropropane	6.44	63	579669	93.641	ug/l	98
46) Dibromomethane	6.29	93	325720	78.996	ug/l	99
47) Bromodichloromethane	6.58	83	726485	66.728	ug/l	98
48) Methyl methacrylate	6.90	41	229933	53.714	ug/l	97
49) 1,4-Dioxane	6.90	88	52931	1900.398	ug/l #	90
51) 4-Methyl-2-Pentanone	8.43	43	1454609	334.589	ug/l	99
52) Toluene	7.81	92	1118550	69.316	ug/l	97
53) t-1,3-Dichloropropene	8.45	75	549383	62.869	ug/l	99
54) cis-1,3-Dichloropropene	7.48	75	791548	72.981	ug/l	96
55) 1,1,2-Trichloroethane	8.65	97	353389	78.278	ug/l	97
56) Ethyl methacrylate	8.78	69	410068	69.307	ug/l	96
57) 1,3-Dichloropropane	9.02	76	600636	79.008	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.47	63	646506	690.916	ug/l	97
59) 2-Hexanone	9.64	43	900962	294.292	ug/l	100
60) Dibromochloromethane	8.88	129	475601	73.974	ug/l	99
61) 1,2-Dibromoethane	9.16	107	366756	77.247	ug/l	100
64) Tetrachloroethene	8.33	164	438574	75.819	ug/l	93
65) Chlorobenzene	9.96	112	1192786	78.140	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.08	131	517952	78.620	ug/l	97
67) Ethyl Benzene	10.05	91	2034306	68.944	ug/l	96
68) m/p-Xylenes	10.28	106	1532247	144.924	ug/l	90
69) o-Xylene	10.83	106	835075	78.521	ug/l	97
70) Styrene	10.91	104	1209347	74.317	ug/l	97
71) Bromoform	10.90	173	259284	77.041	ug/l #	98
73) Isopropylbenzene	11.23	105	2246451	71.429	ug/l	96
74) N-amyl acetate	11.46	43	546150	64.889	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.78	83	462021	89.952	ug/l	98
76) 1,2,3-Trichloropropane	11.89	75	275609	71.492	ug/l	98
77) Bromobenzene	11.59	156	518206	77.818	ug/l	97
78) n-propylbenzene	11.69	91	2460887	67.239	ug/l	95
79) 2-Chlorotoluene	11.81	91	1464869	70.070	ug/l	94
80) 1,3,5-Trimethylbenzene	11.91	105	1705644	65.082	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.96	75	134309m	86.622	ug/l	
82) 4-Chlorotoluene	11.99	91	1421752	67.272	ug/l	96
83) tert-Butylbenzene	12.21	119	1834143	69.128	ug/l	95
84) 1,2,4-Trimethylbenzene	12.28	105	1659486	63.569	ug/l	94
85) sec-Butylbenzene	12.38	105	2396837	70.906	ug/l	94
86) p-Isopropyltoluene	12.53	119	2012875	67.026	ug/l	95
87) 1,3-Dichlorobenzene	12.55	146	952433	75.549	ug/l	99
88) 1,4-Dichlorobenzene	12.64	146	904673	70.799	ug/l	99
89) n-Butylbenzene	12.91	91	1909513	65.383	ug/l	93
90) Hexachloroethane	12.98	117	537554	76.198	ug/l	93
91) 1,2-Dichlorobenzene	13.01	146	893596	74.859	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.70	75	58371	54.745	ug/l	74

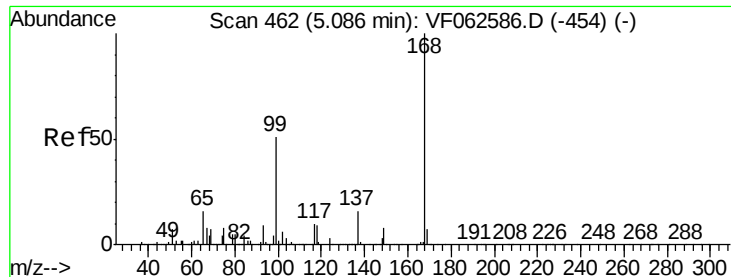
Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051419\
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	642861	73.792	ug/l	97
94) Hexachlorobutadiene	14.24	225	471839	83.447	ug/l	99
95) Naphthalene	14.50	128	1190818	83.417	ug/l	97
96) 1,2,3-Trichlorobenzene	14.65	180	622845	81.948	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.08 min Scan# 461

Delta R.T. -0.01 min

Lab File: VF062588.D

Acq: 14 May 2019 17:48

Instrument :

MSVOA_F

ClientSampleId :

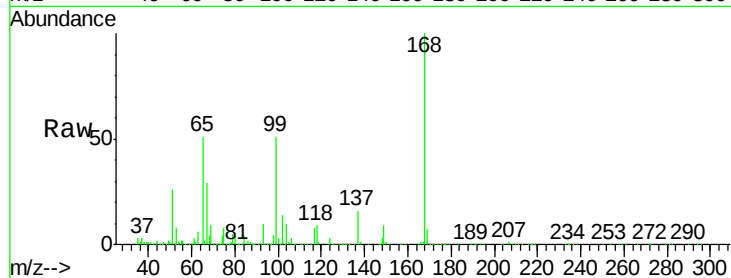
VSTDIC100

Tot Ion:168 Resp: 649906

Ion Ratio Lower Upper

168 100

99 51.3 41.0 61.6



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.08

200000

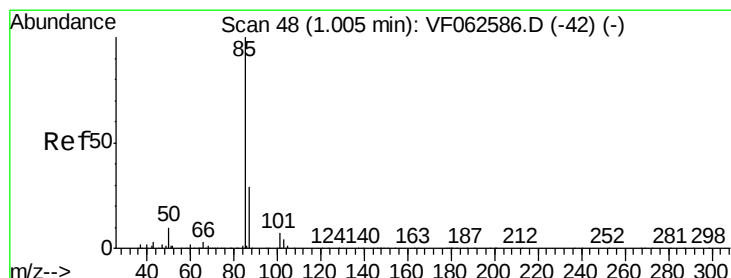
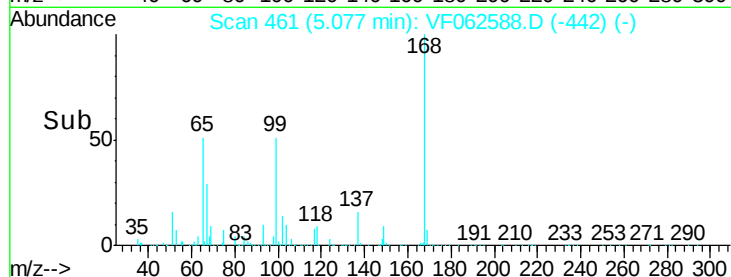
150000

100000

50000

0

Time--> 4.90 5.00 5.10 5.20 5.30



#2

Dichlorodifluoromethane

Concen: 59.350 ug/l

RT: 1.02 min Scan# 49

Delta R.T. 0.01 min

Lab File: VF062588.D

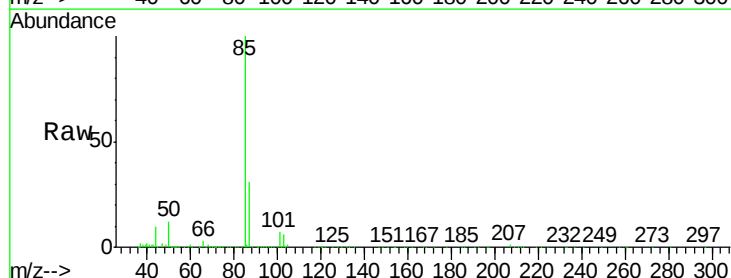
Acq: 14 May 2019 17:48

Tgt Ion: 85 Resp: 530874

Ion Ratio Lower Upper

85 100

87 31.5 14.6 43.8



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

1.02

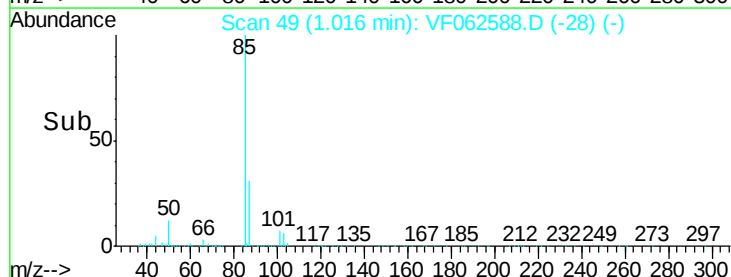
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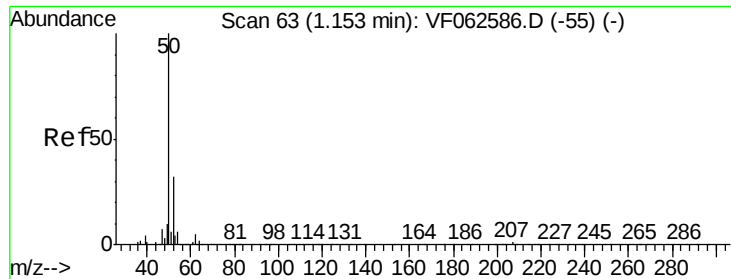
100000

50000

0

Time--> 0.90 1.00 1.10 1.20





#3

Chloromethane

Concen: 76.260 ug/l

RT: 1.15 min Scan# 63

Delta R.T. 0.00 min

Lab File: VF062588.D

Acq: 14 May 2019 17:48

Instrument :

MSVOA_F

ClientSampleId :

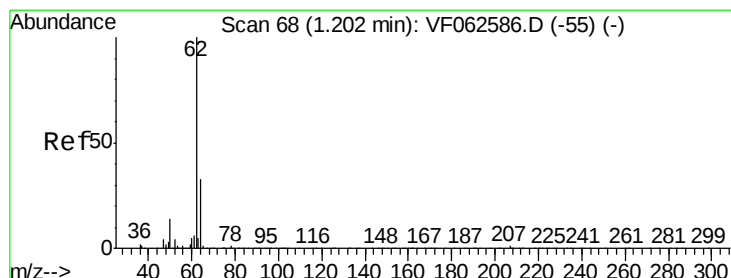
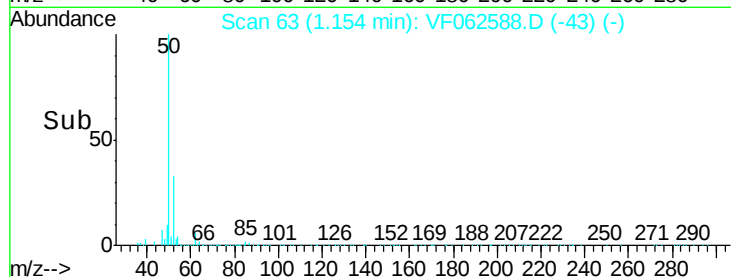
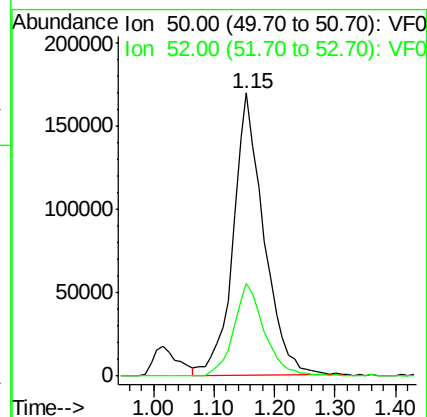
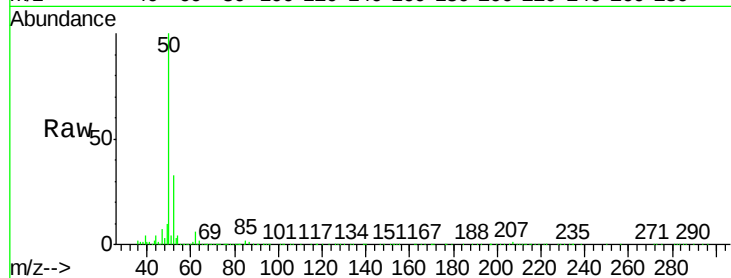
VSTDIC100

Tot Ion: 50 Resp: 594170

Ion Ratio Lower Upper

50 100

52 32.6 25.3 37.9



#4

Vinyl Chloride

Concen: 74.849 ug/l

RT: 1.20 min Scan# 68

Delta R.T. 0.00 min

Lab File: VF062588.D

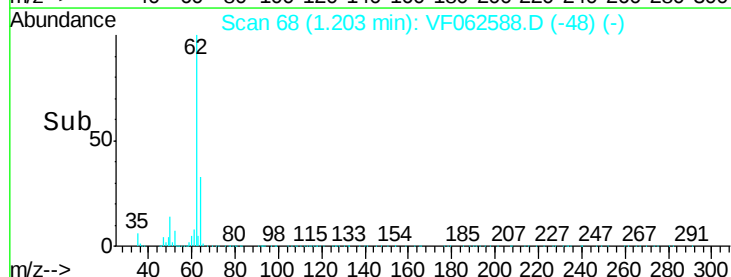
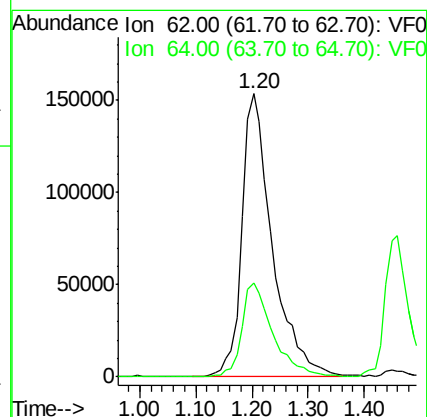
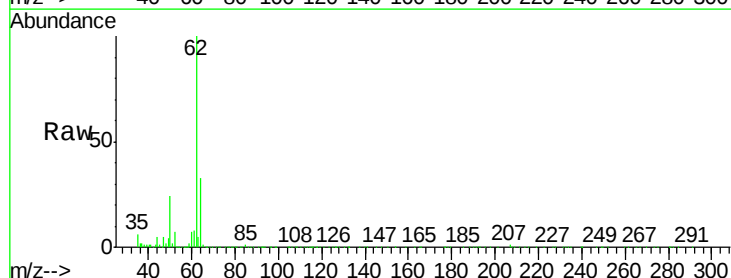
Acq: 14 May 2019 17:48

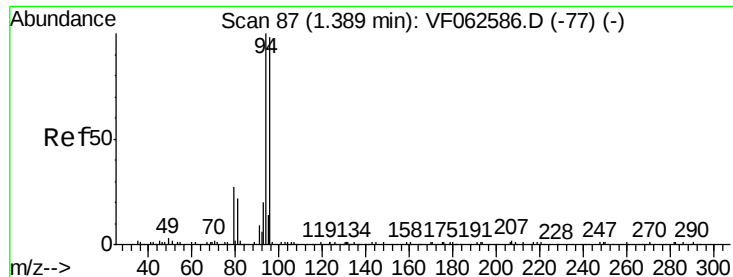
Tgt Ion: 62 Resp: 577863

Ion Ratio Lower Upper

62 100

64 33.0 26.5 39.7





#5

Bromomethane

Concen: 44.677 ug/l

RT: 1.40 min Scan# 88

Delta R.T. 0.01 min

Lab File: VF062588.D

Acq: 14 May 2019 17:48

Instrument :

MSVOA_F

ClientSampleId :

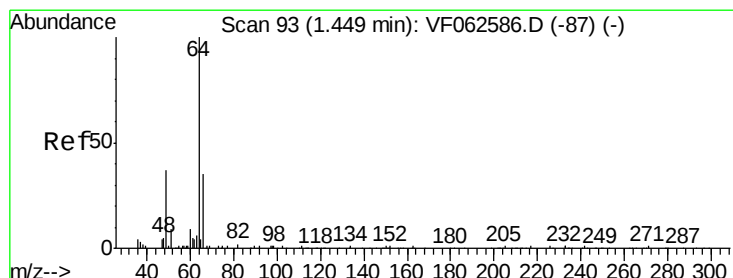
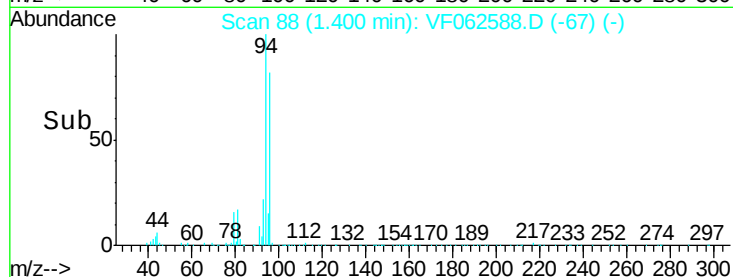
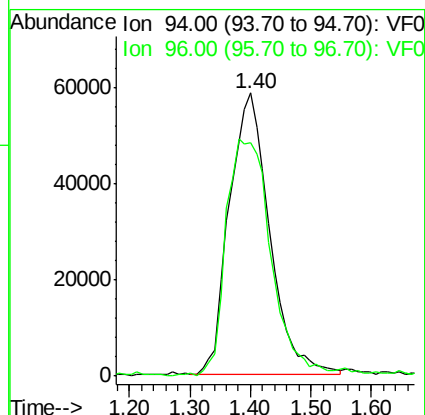
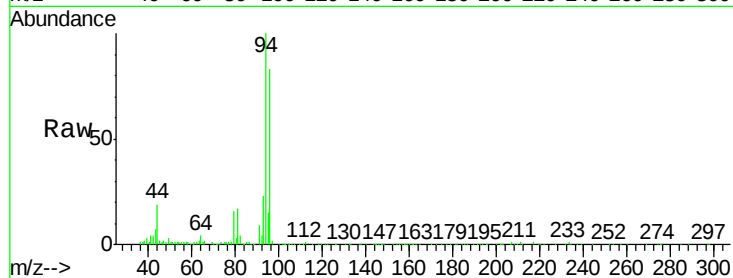
VSTDIC100

Tot Ion: 94 Resp: 270817

Ion Ratio Lower Upper

94 100

96 82.5 79.3 118.9



#6

Chloroethane

Concen: 55.240 ug/l

RT: 1.46 min Scan# 94

Delta R.T. 0.01 min

Lab File: VF062588.D

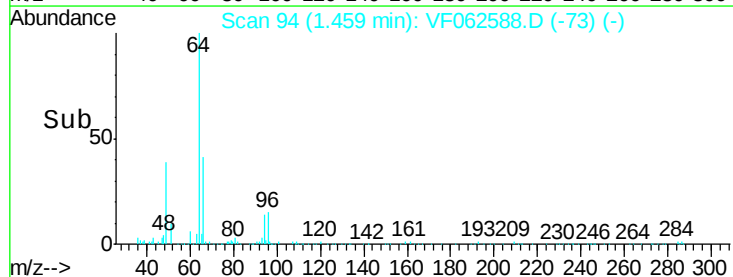
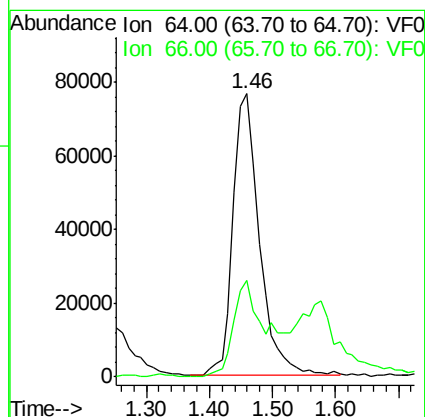
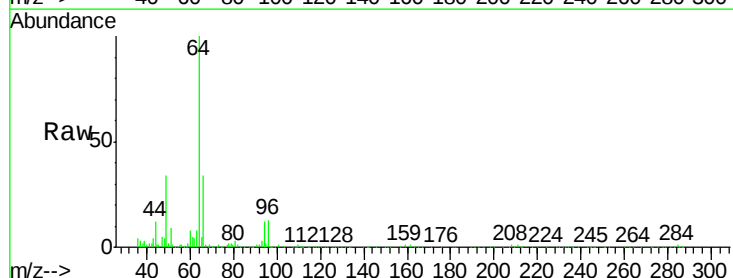
Acq: 14 May 2019 17:48

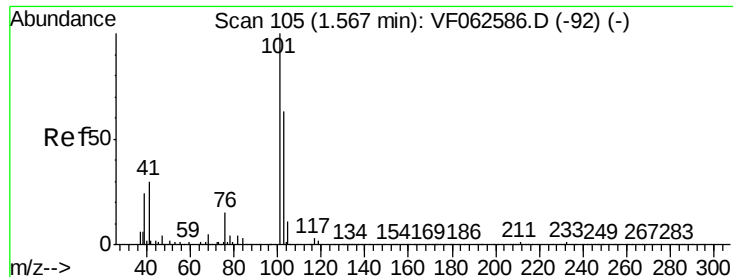
Tgt Ion: 64 Resp: 220210

Ion Ratio Lower Upper

64 100

66 33.9 28.9 43.3



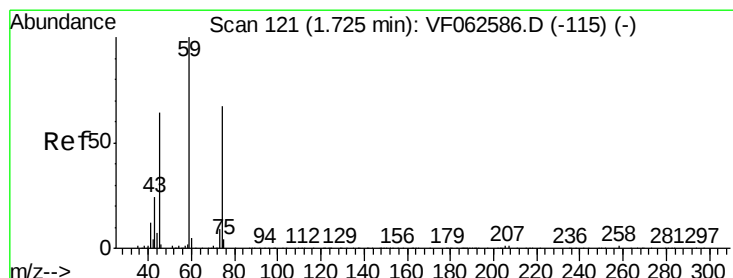
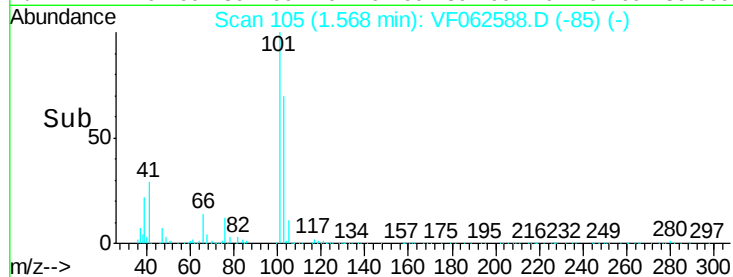
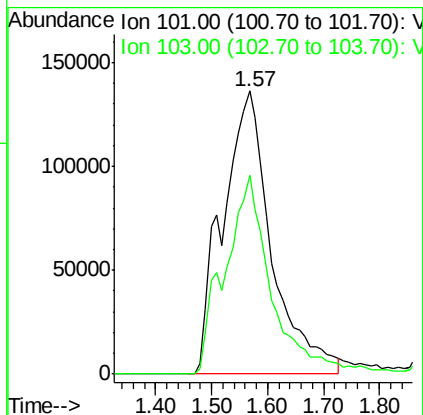
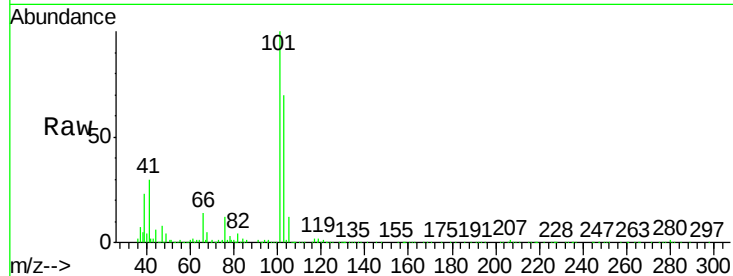


#7

Trichlorofluoromethane
Concen: 73.691 ug/l
RT: 1.57 min Scan# 105
Delta R.T. 0.00 min
Lab File: VF062588.D
Acq: 14 May 2019 17:48

Instrument :
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ClientSampleId :
VSTDIC100

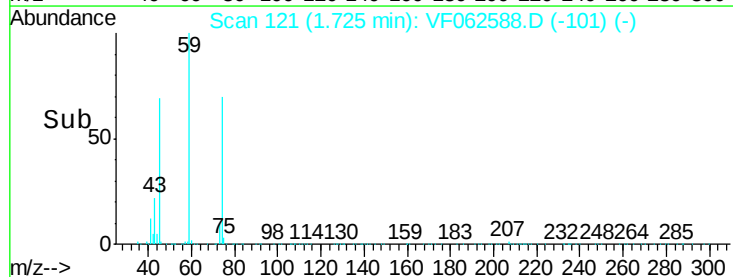
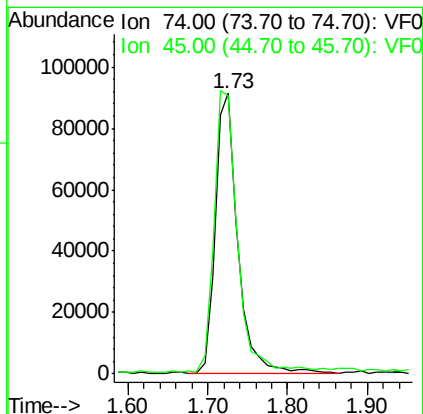
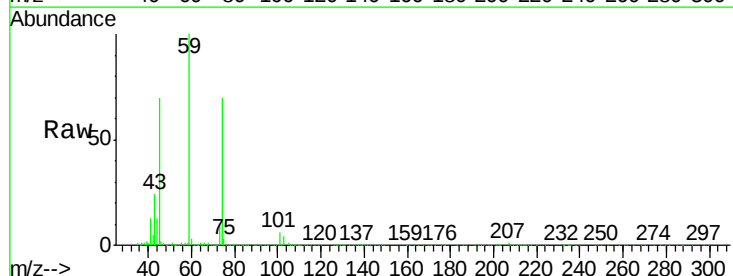
Tot Ion:101 Resp: 826303
Ion Ratio Lower Upper
101 100
103 70.4 50.8 76.2

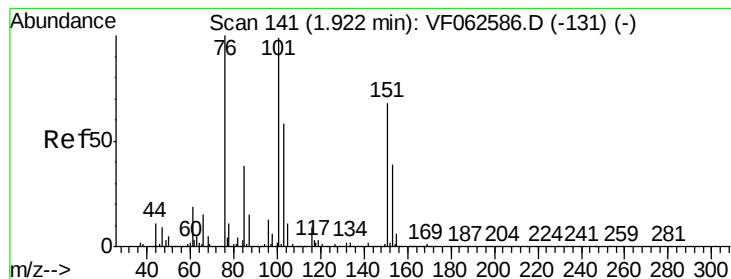


#8

Diethyl Ether
Concen: 76.657 ug/l
RT: 1.73 min Scan# 121
Delta R.T. 0.00 min
Lab File: VF062588.D
Acq: 14 May 2019 17:48

Tgt Ion: 74 Resp: 182030
Ion Ratio Lower Upper
74 100
45 99.2 48.6 145.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 74.508 ug/l

RT: 1.92 min Scan# 141

Delta R.T. 0.00 min

Lab File: VF062588.D

Acq: 14 May 2019 17:48

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

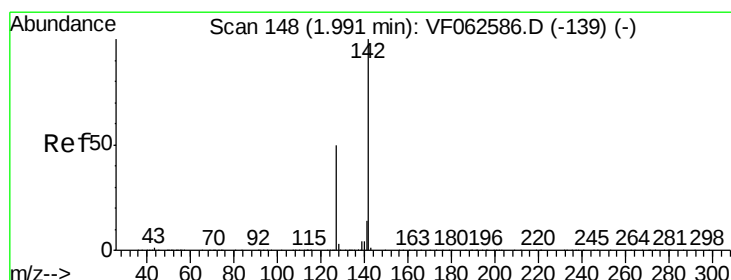
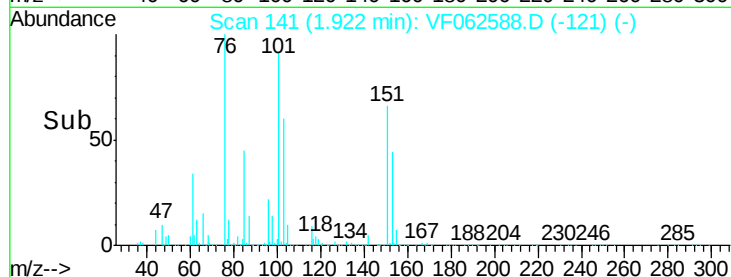
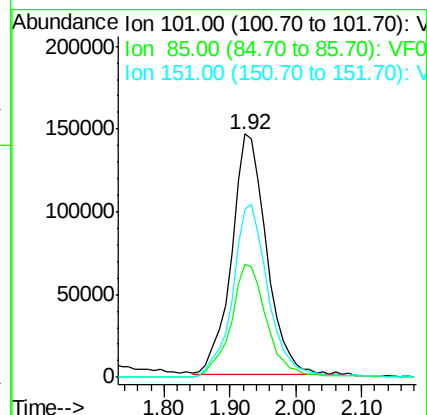
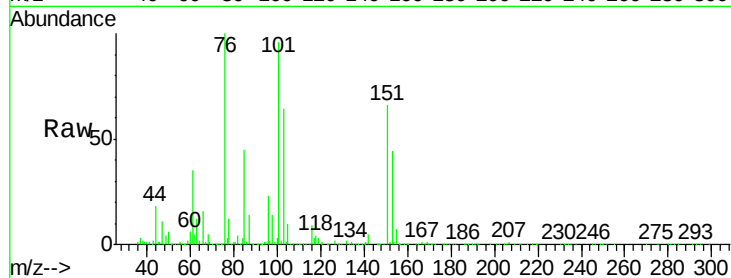
Tot Ion:101 Resp: 545292

Ion Ratio Lower Upper

101 100

85 46.4 30.2 45.4#

151 68.9 54.5 81.7



#10

Methyl Iodide

Concen: 80.511 ug/l m

RT: 1.99 min Scan# 148

Delta R.T. 0.00 min

Lab File: VF062588.D

Acq: 14 May 2019 17:48

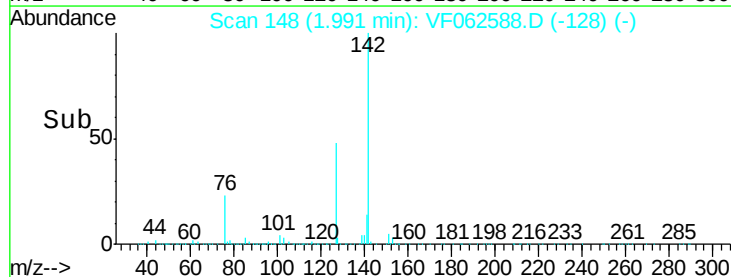
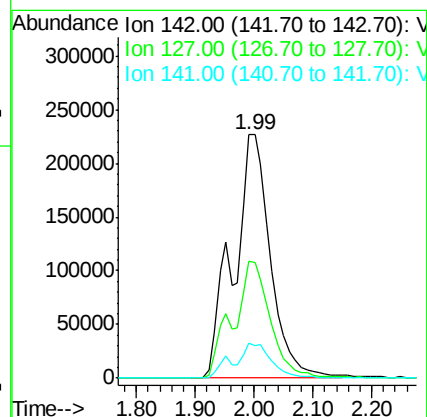
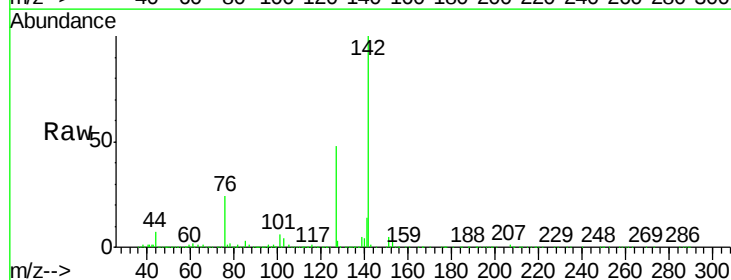
Tgt Ion:142 Resp: 1000088

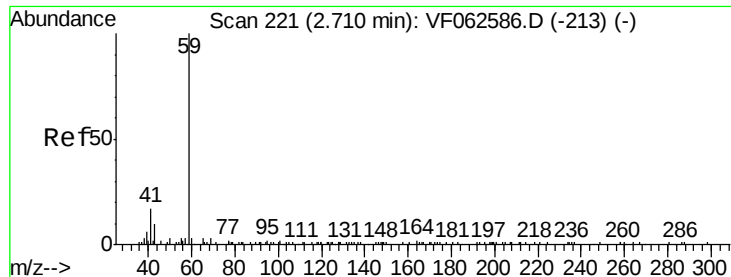
Ion Ratio Lower Upper

142 100

127 47.9 40.2 60.4

141 14.3 11.6 17.4



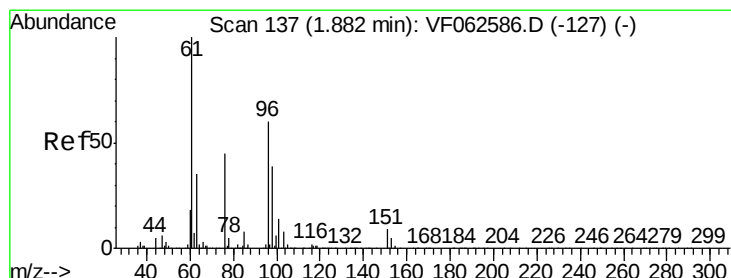
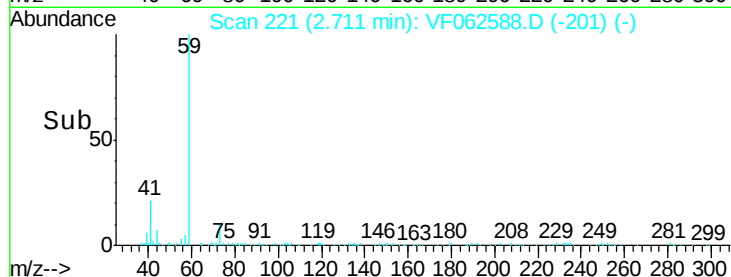
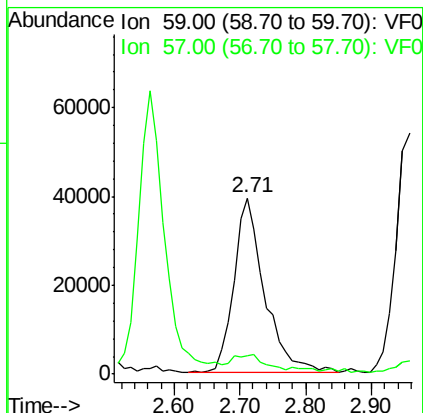
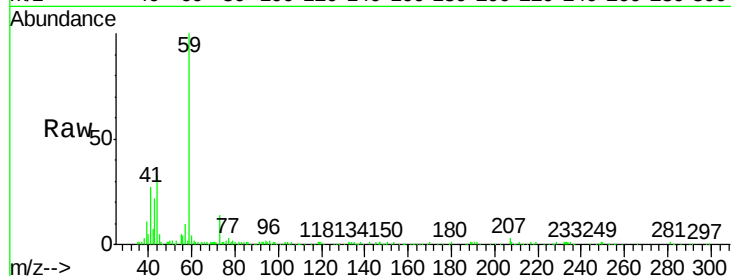


#11

Tert butyl alcohol
 Concen: 392.513 ug/l
 RT: 2.71 min Scan# 221
 Delta R.T. 0.00 min
 Lab File: VF062588.D
 Acq: 14 May 2019 17:48

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

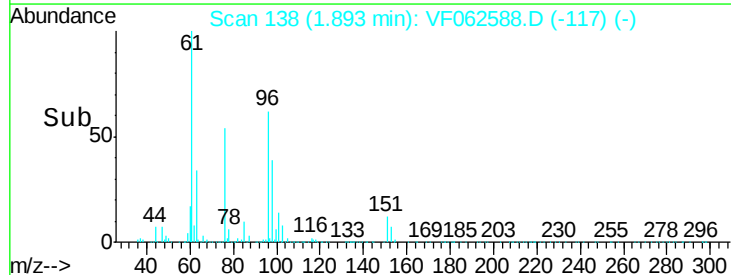
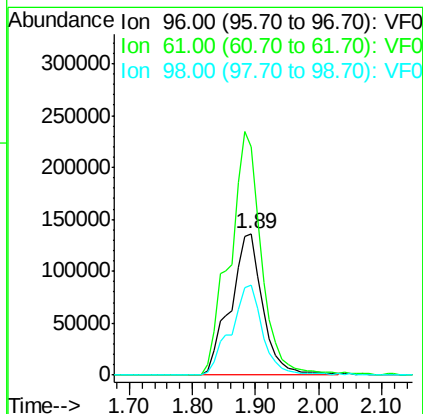
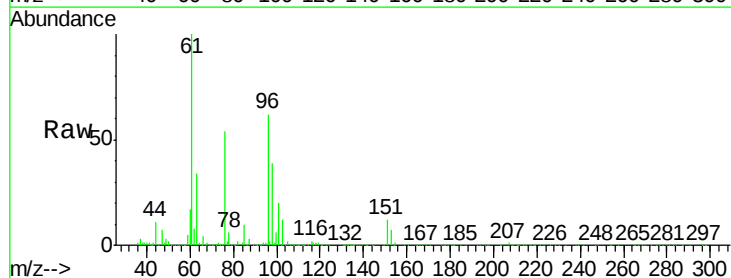
Tot Ion: 59 Resp: 129616
 Ion Ratio Lower Upper
 59 100
 57 10.4 8.0 12.0

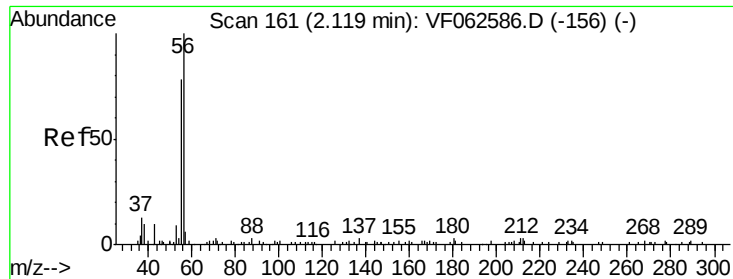


#12

1,1-Dichloroethene
 Concen: 72.074 ug/l
 RT: 1.89 min Scan# 138
 Delta R.T. 0.01 min
 Lab File: VF062588.D
 Acq: 14 May 2019 17:48

Tgt Ion: 96 Resp: 477618
 Ion Ratio Lower Upper
 96 100
 61 161.1 132.0 198.0
 98 63.5 51.3 76.9





#13

Acrolein

Concen: 207.745 ug/l

RT: 2.12 min Scan# 161

Delta R.T. 0.00 min

Lab File: VF062588.D

Acq: 14 May 2019 17:48

Instrument :

MSVOA_F

ClientSampleId :

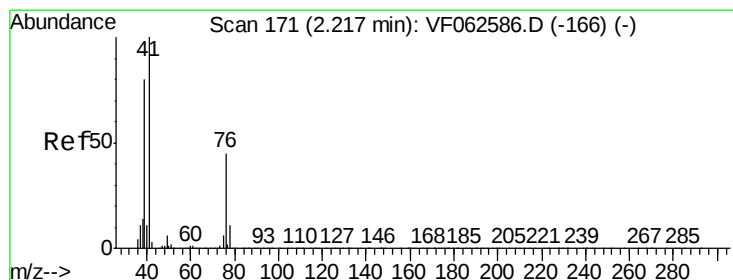
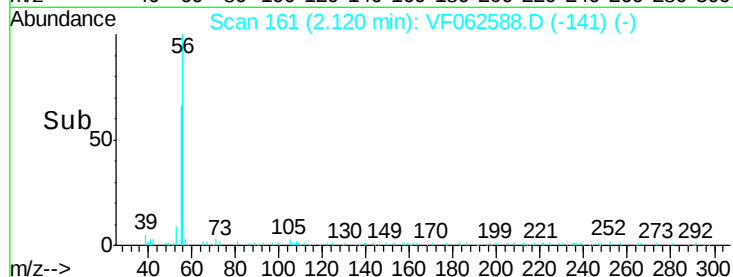
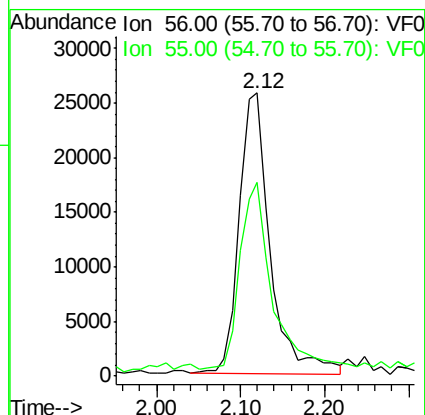
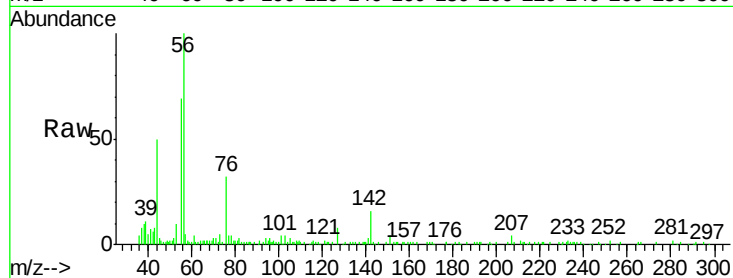
VSTDIC100

Tot Ion: 56 Resp: 66244

Ion Ratio Lower Upper

56 100

55 68.5 64.6 96.8



#14

Allyl chloride

Concen: 69.026 ug/l m

RT: 2.22 min Scan# 171

Delta R.T. 0.00 min

Lab File: VF062588.D

Acq: 14 May 2019 17:48

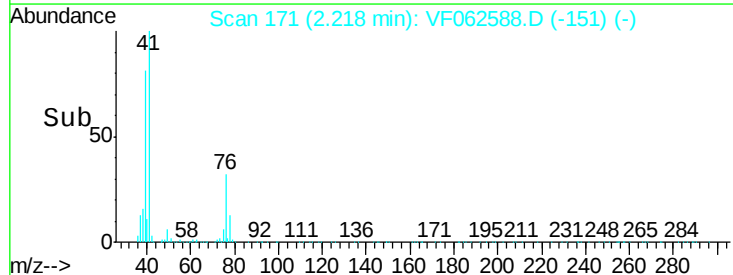
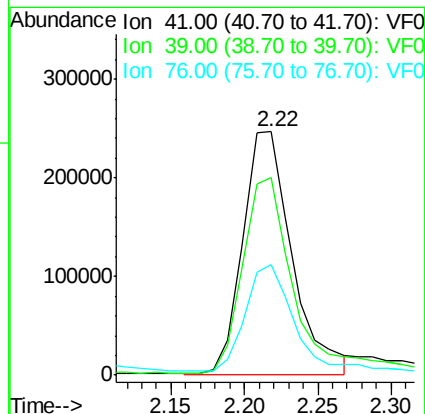
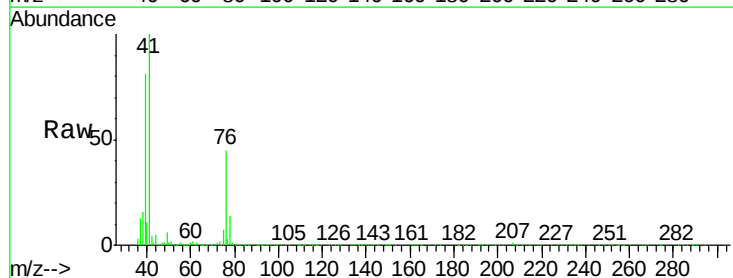
Tgt Ion: 41 Resp: 578027

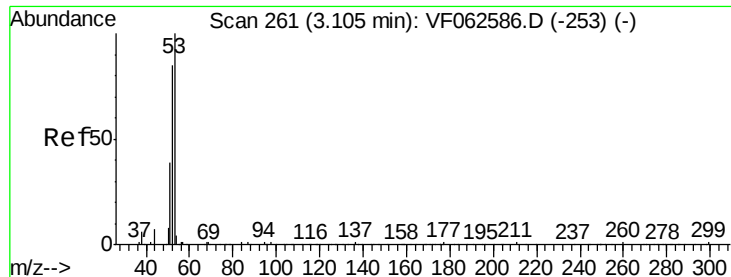
Ion Ratio Lower Upper

41 100

39 81.2 64.6 96.8

76 45.2 36.1 54.1





#15

Acrylonitrile

Concen: 576.449 ug/l

RT: 3.11 min Scan# 261

Delta R.T. 0.00 min

Lab File: VF062588.D

Acq: 14 May 2019 17:48

Instrument :

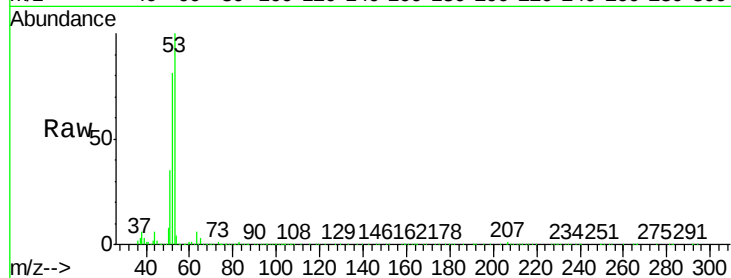
MSVOA_F

ClientSampled :

VSTDIC100

Tot Ion: 53 Resp: 569343

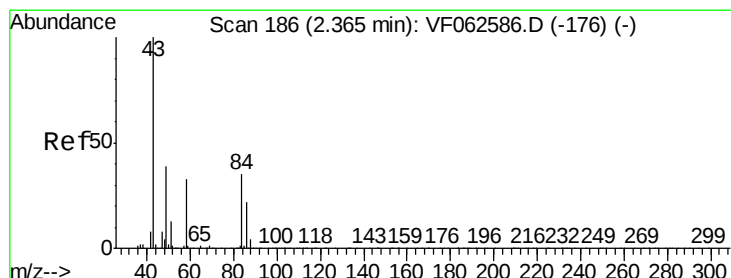
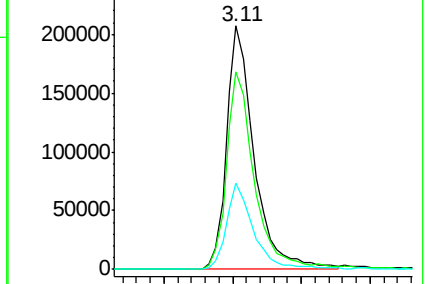
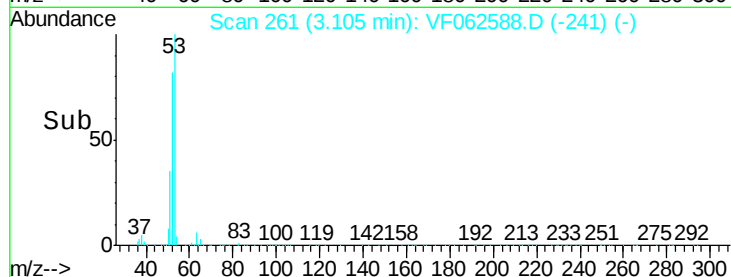
Ion	Ratio	Lower	Upper
53	100		
52	81.4	68.3	102.5
51	35.3	31.5	47.3



Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 320.376 ug/l

RT: 2.37 min Scan# 186

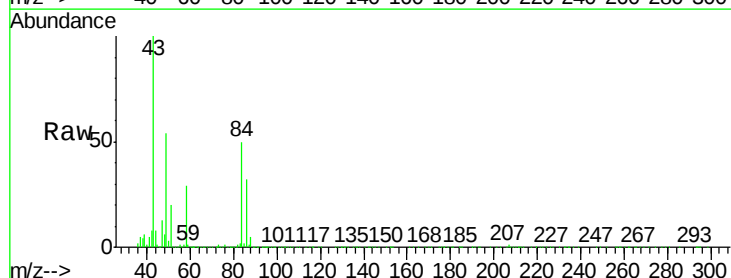
Delta R.T. 0.00 min

Lab File: VF062588.D

Acq: 14 May 2019 17:48

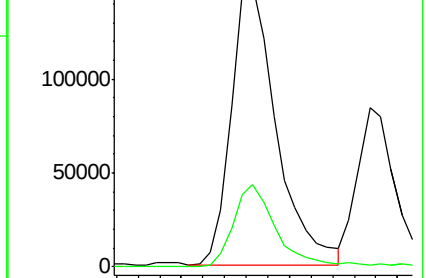
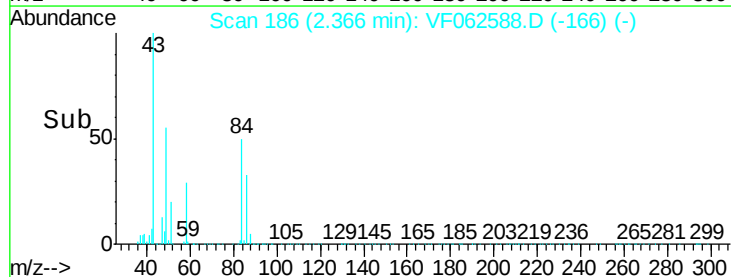
Tgt Ion: 43 Resp: 435504

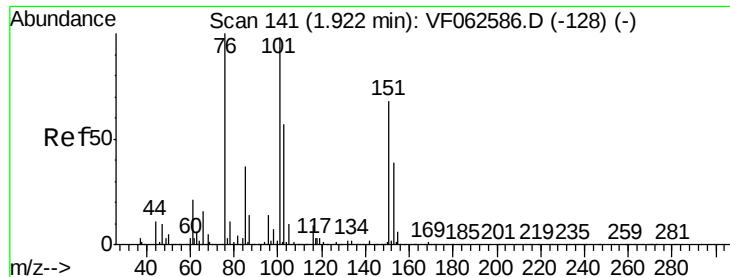
Ion	Ratio	Lower	Upper
43	100		
58	29.3	26.7	40.1



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

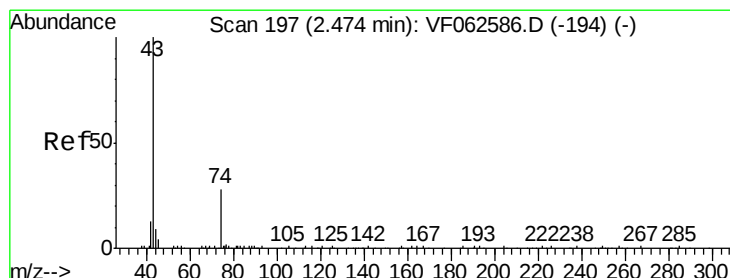
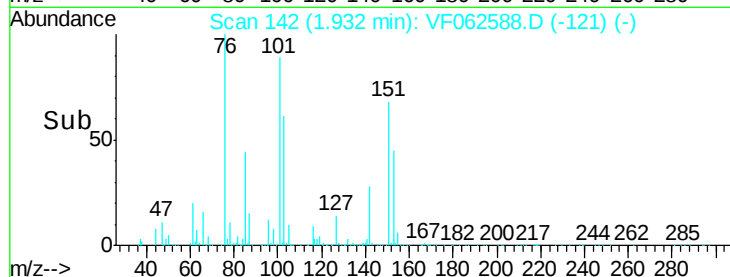
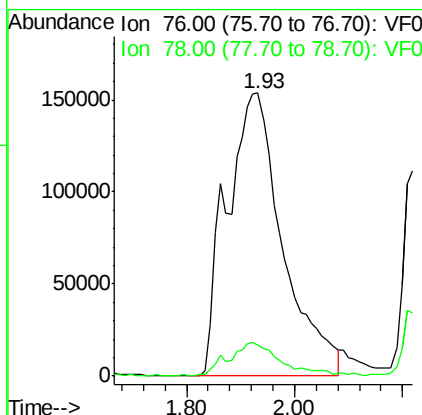
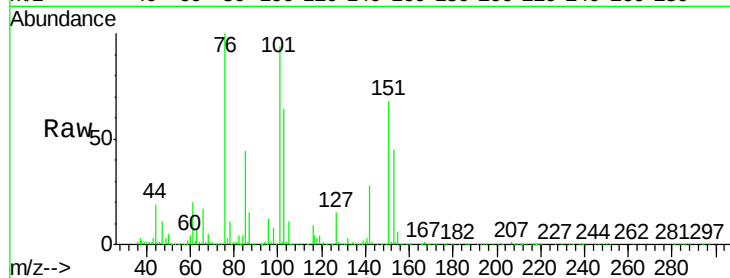




#17
Carbon Disulfide
Concen: 54.300 ug/l
RT: 1.93 min Scan# 142
Delta R.T. 0.01 min
Lab File: VF062588.D
Acq: 14 May 2019 17:48

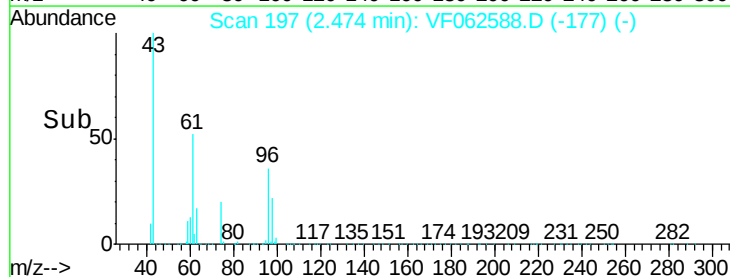
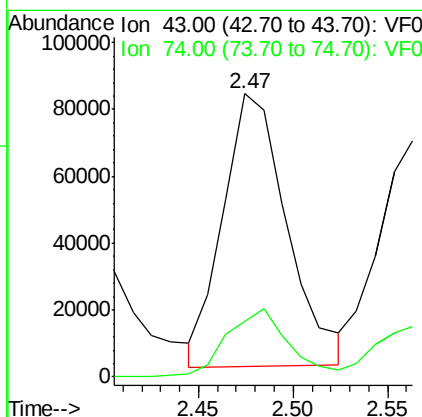
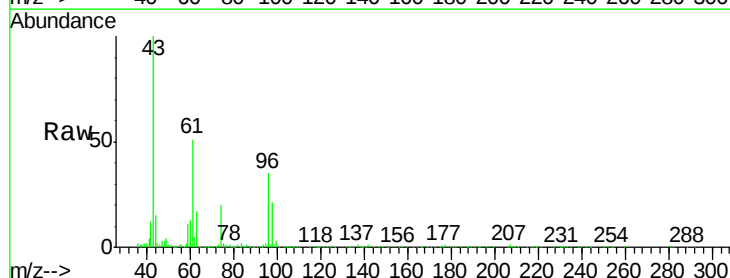
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

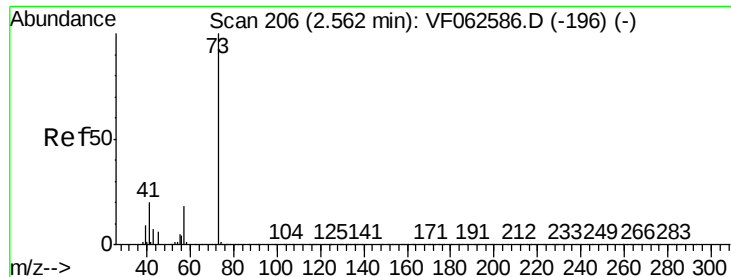
Tot Ion: 76 Resp: 1102834
Ion Ratio Lower Upper
76 100
78 11.1 9.0 13.4



#18
Methyl Acetate
Concen: 58.047 ug/l
RT: 2.47 min Scan# 197
Delta R.T. 0.00 min
Lab File: VF062588.D
Acq: 14 May 2019 17:48

Tgt Ion: 43 Resp: 191180
Ion Ratio Lower Upper
43 100
74 19.6 21.4 32.0#

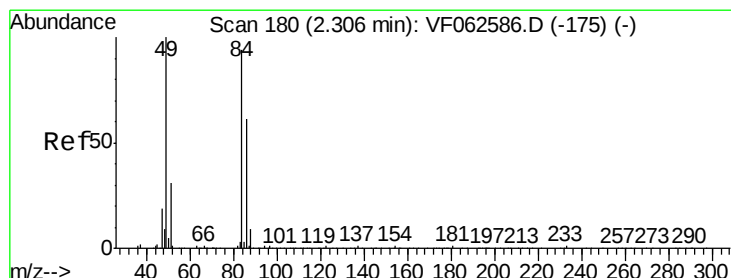
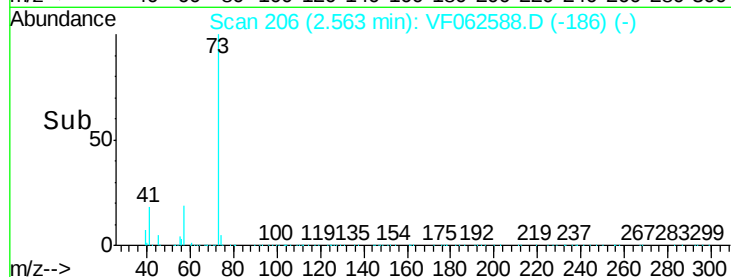
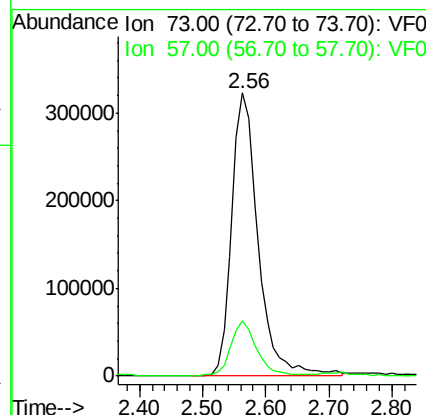
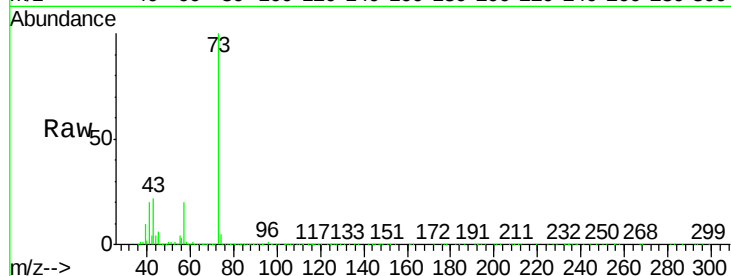




#19
Methyl tert-butyl Ether
Concen: 78.247 ug/l
RT: 2.56 min Scan# 206
Delta R.T. 0.00 min
Lab File: VF062588.D
Acq: 14 May 2019 17:48

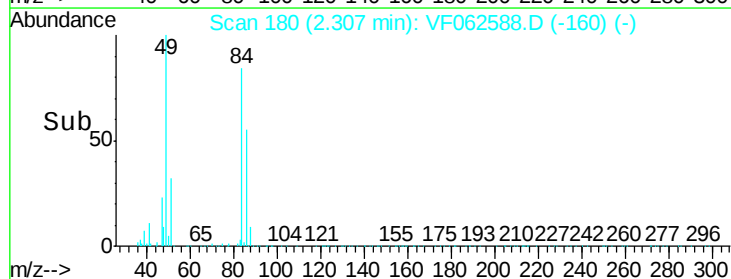
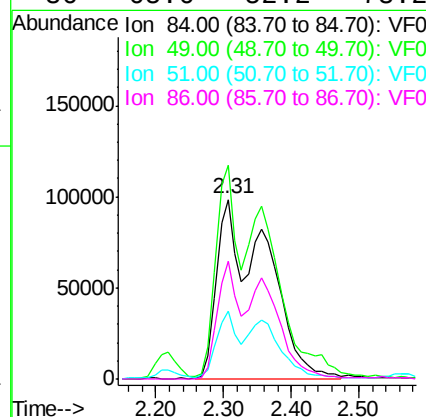
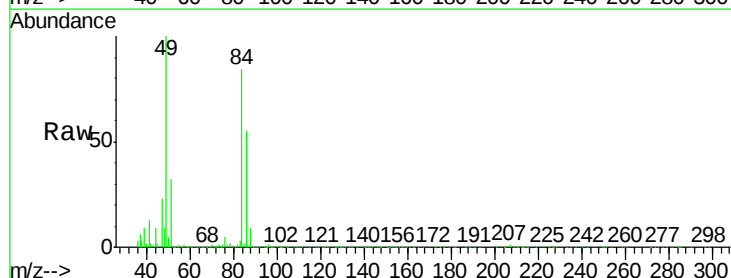
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

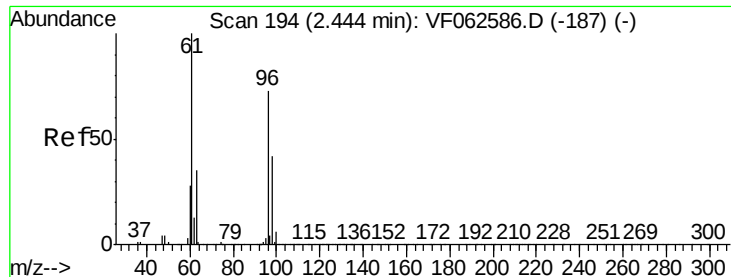
Tot Ion: 73 Resp: 937810
Ion Ratio Lower Upper
73 100
57 19.8 14.6 22.0



#20
Methylene Chloride
Concen: 62.512 ug/l m
RT: 2.31 min Scan# 180
Delta R.T. 0.00 min
Lab File: VF062588.D
Acq: 14 May 2019 17:48

Tgt Ion: 84 Resp: 497387
Ion Ratio Lower Upper
84 100
49 119.0 86.9 130.3
51 37.9 27.0 40.6
86 65.6 52.2 78.2





#21

trans-1,2-Dichloroethene

Concen: 79.080 ug/l

RT: 2.44 min Scan# 194

Delta R.T. 0.00 min

Lab File: VF062588.D

Acq: 14 May 2019 17:48

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

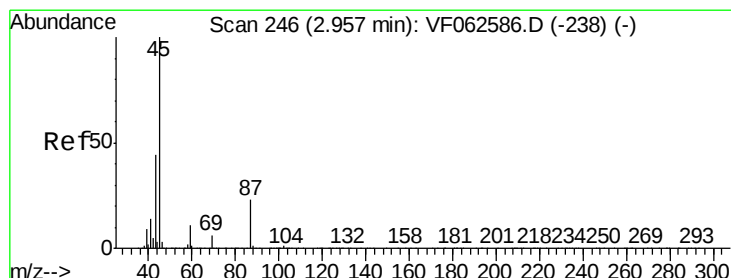
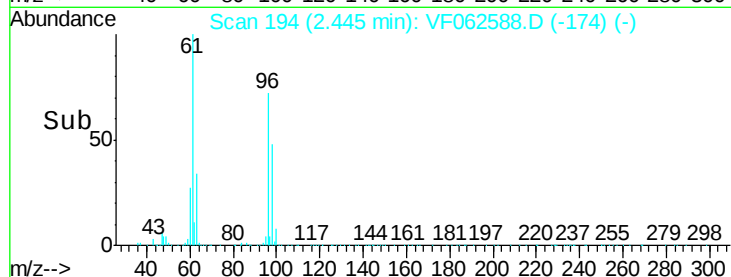
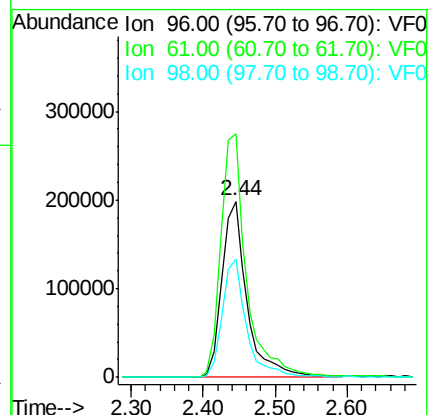
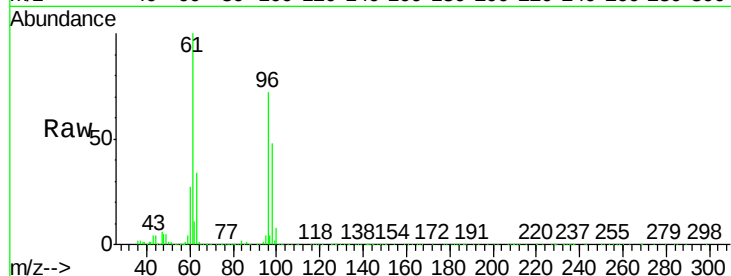
Tot Ion: 96 Resp: 471465

Ion Ratio Lower Upper

96 100

61 138.3 109.2 163.8

98 66.9 46.3 69.5



#22

Diisopropyl ether

Concen: 67.680 ug/l

RT: 2.96 min Scan# 246

Delta R.T. 0.00 min

Lab File: VF062588.D

Acq: 14 May 2019 17:48

Tgt Ion: 45 Resp: 1309446

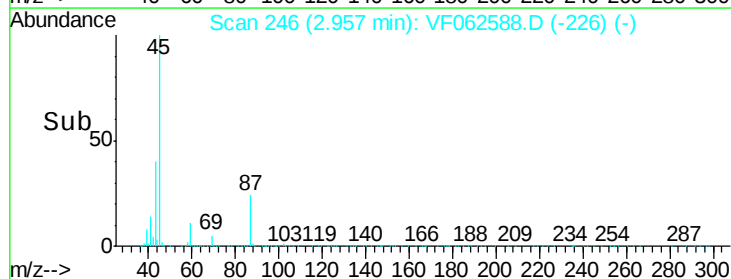
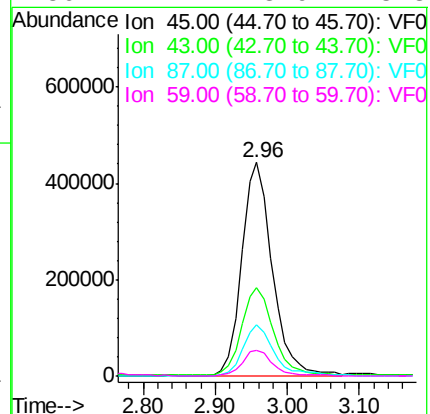
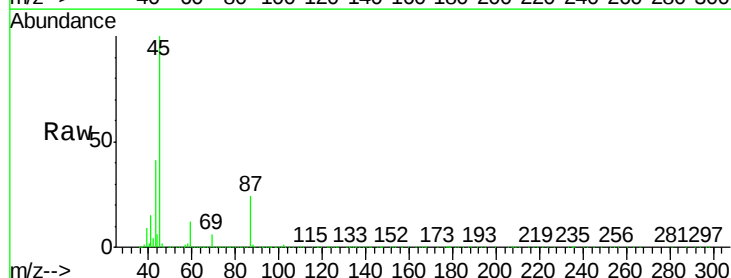
Ion Ratio Lower Upper

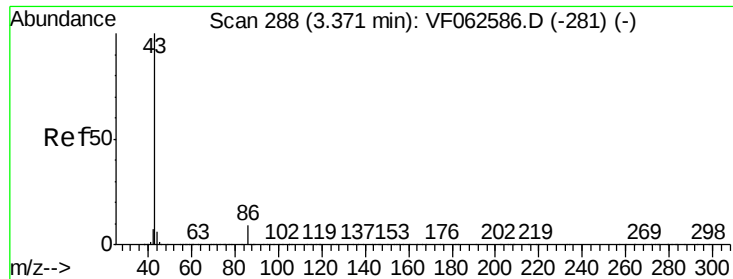
45 100

43 41.1 35.4 53.0

87 23.7 18.4 27.6

59 12.2 8.9 13.3





#23

Vinyl Acetate

Concen: 368.769 ug/l

RT: 3.37 min Scan# 288

Delta R.T. 0.00 min

Lab File: VF062588.D

Acq: 14 May 2019 17:48

Instrument :

MSVOA_F

ClientSampleId :

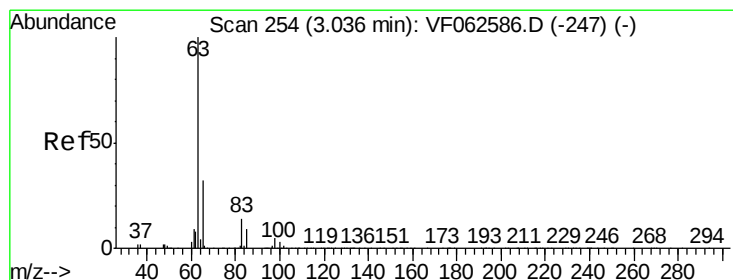
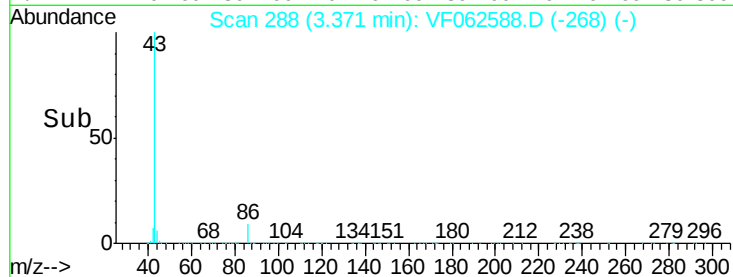
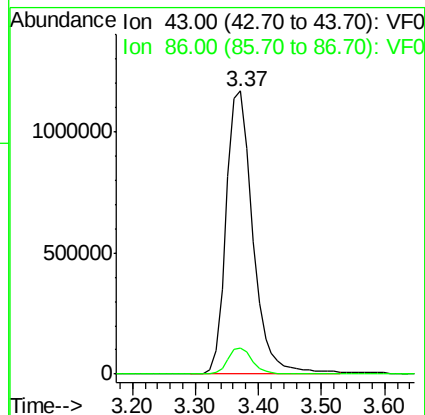
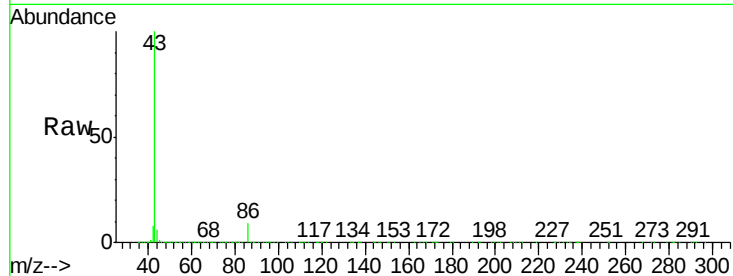
VSTDIC100

Tot Ion: 43 Resp: 3430034

Ion Ratio Lower Upper

43 100

86 9.4 7.1 10.7



#24

1,1-Dichloroethane

Concen: 80.232 ug/l

RT: 3.04 min Scan# 254

Delta R.T. 0.00 min

Lab File: VF062588.D

Acq: 14 May 2019 17:48

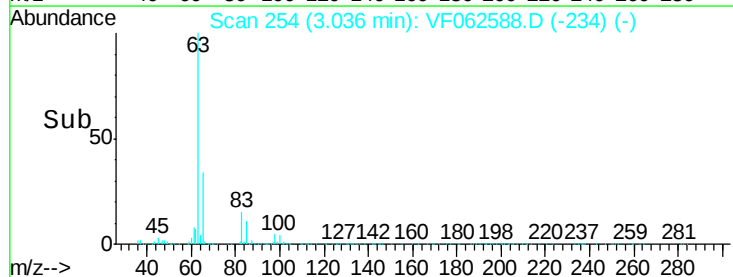
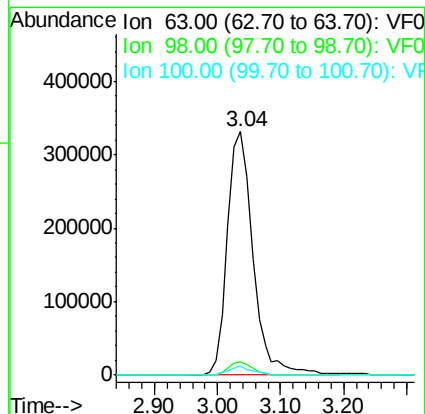
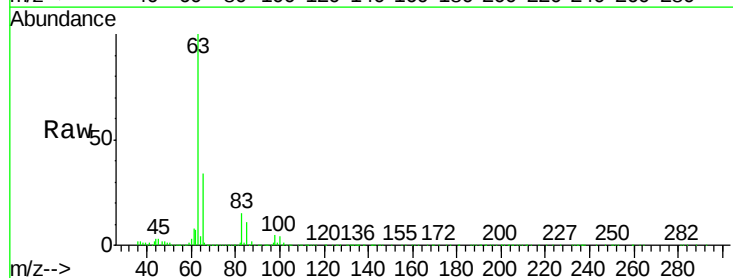
Tgt Ion: 63 Resp: 938172

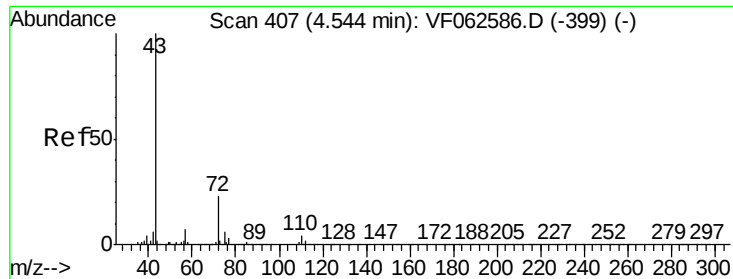
Ion Ratio Lower Upper

63 100

98 5.3 2.6 7.8

100 3.9 1.7 5.1

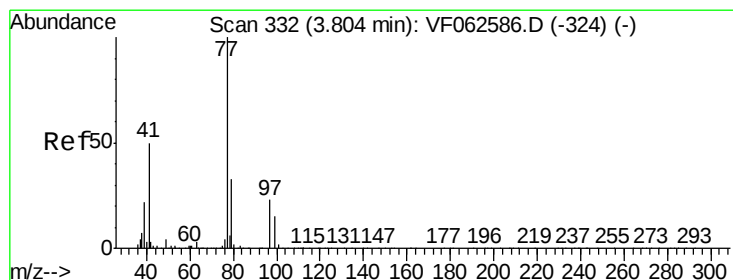
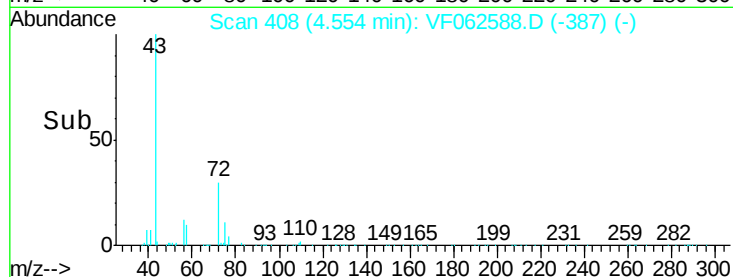
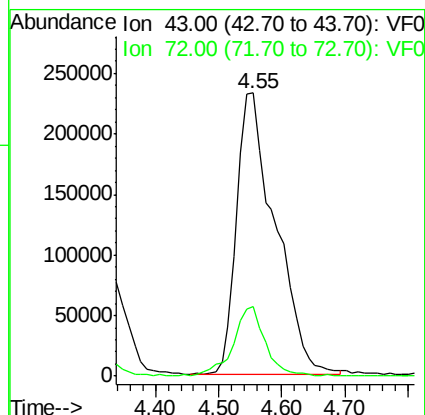
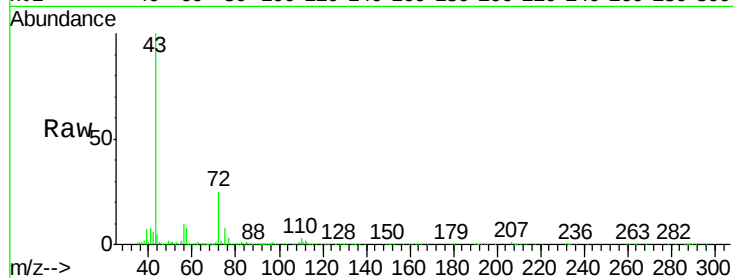




#25
2-Butanone
Concen: 384.977 ug/l
RT: 4.55 min Scan# 408
Delta R.T. 0.01 min
Lab File: VF062588.D
Acq: 14 May 2019 17:48

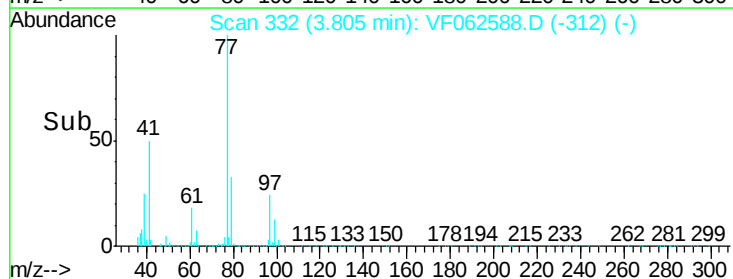
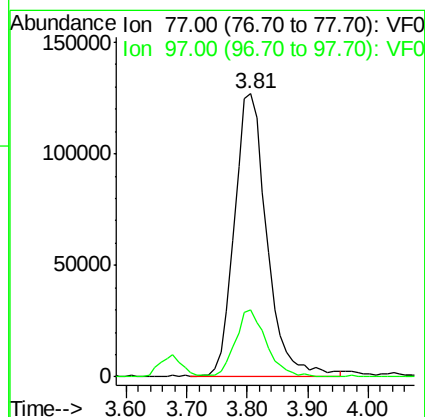
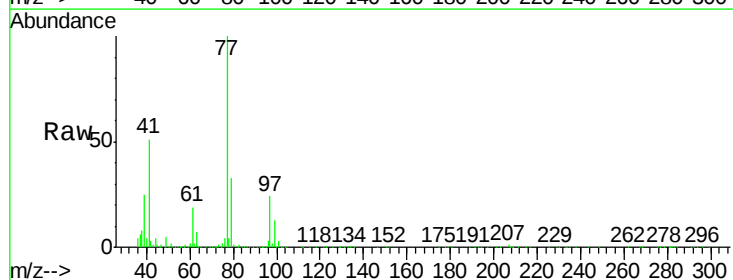
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

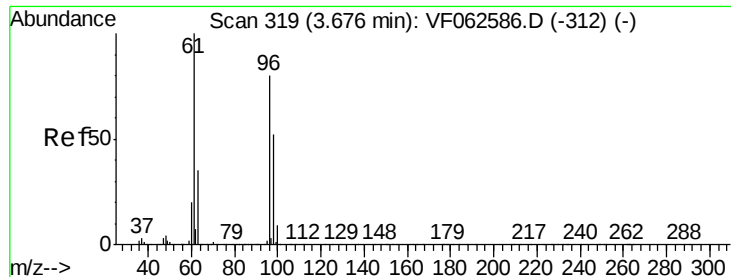
Tot Ion: 43 Resp: 981855
Ion Ratio Lower Upper
43 100
72 24.7 18.5 27.7



#26
2,2-Dichloropropane
Concen: 75.984 ug/l
RT: 3.81 min Scan# 332
Delta R.T. 0.00 min
Lab File: VF062588.D
Acq: 14 May 2019 17:48

Tgt Ion: 77 Resp: 471809
Ion Ratio Lower Upper
77 100
97 23.8 12.0 36.0



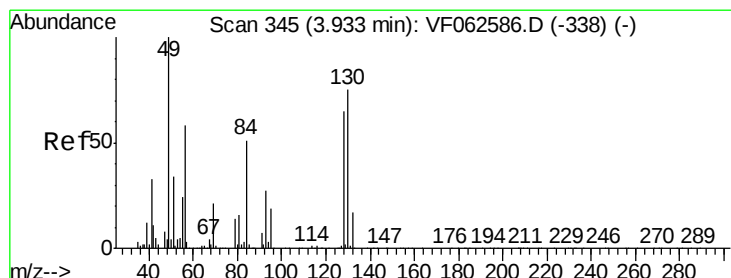
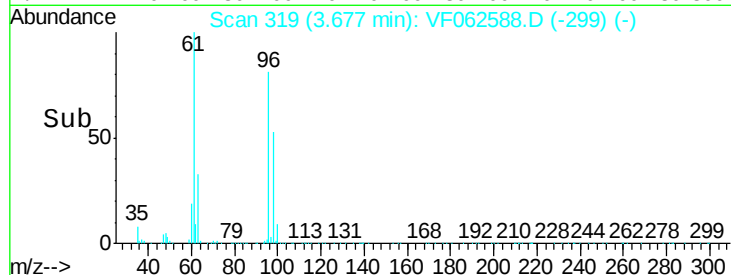
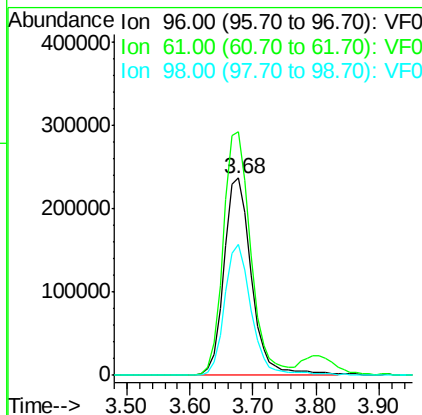
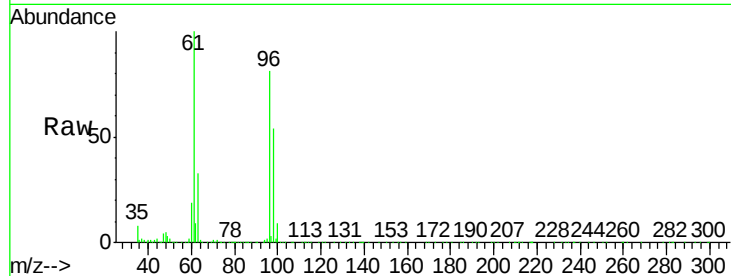


#27

cis-1,2-Dichloroethene
 Concen: 90.823 ug/l
 RT: 3.68 min Scan# 319
 Delta R.T. 0.00 min
 Lab File: VF062588.D
 Acq: 14 May 2019 17:48

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

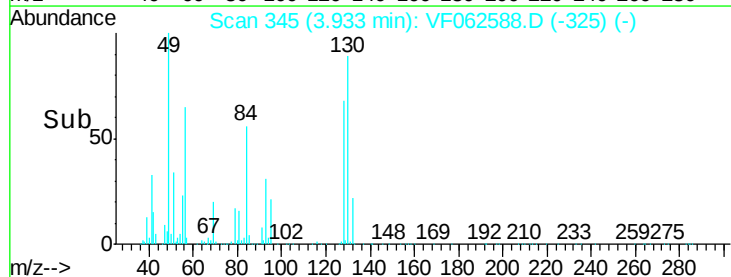
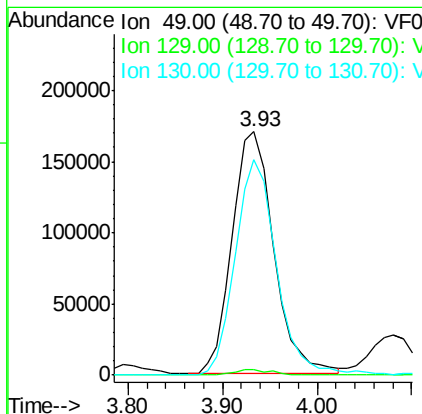
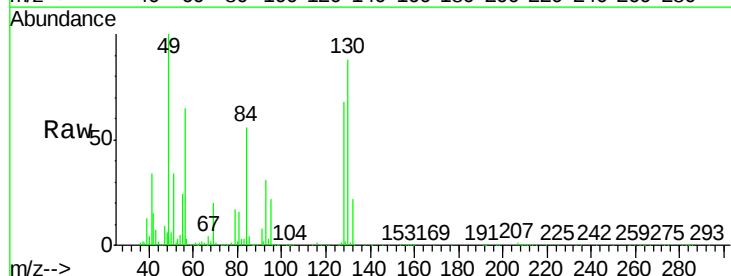
Tot Ion	Ratio	Lower	Upper
96	100		
61	123.5	0.0	251.4
98	66.1	0.0	129.8

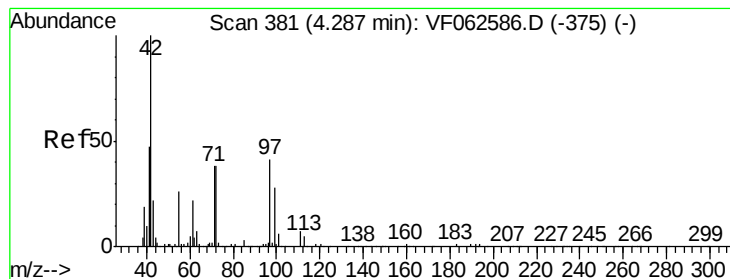


#28

Bromochloromethane
 Concen: 99.081 ug/l
 RT: 3.93 min Scan# 345
 Delta R.T. 0.00 min
 Lab File: VF062588.D
 Acq: 14 May 2019 17:48

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.0
130	88.4	59.7	89.5





#29

Tetrahydrofuran

Concen: 374.262 ug/l

RT: 4.29 min Scan# 381

Delta R.T. 0.00 min

Lab File: VF062588.D

Acq: 14 May 2019 17:48

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

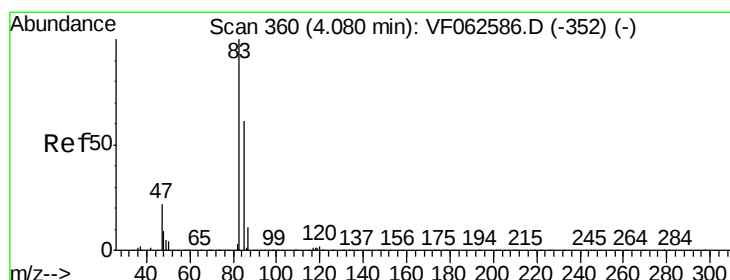
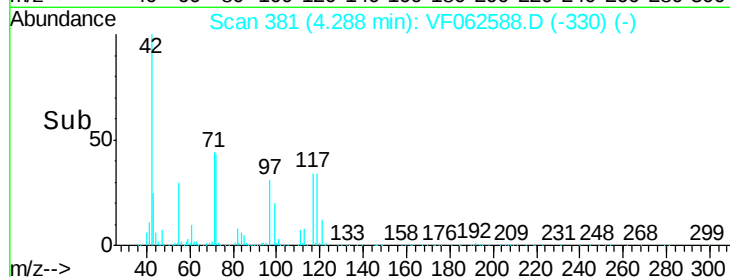
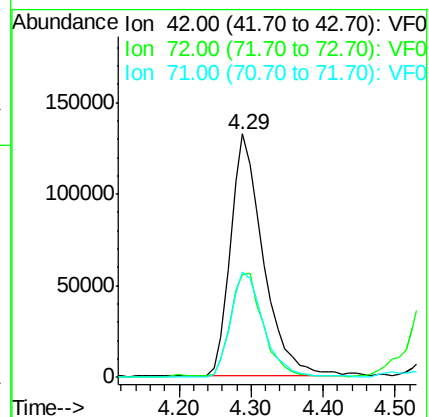
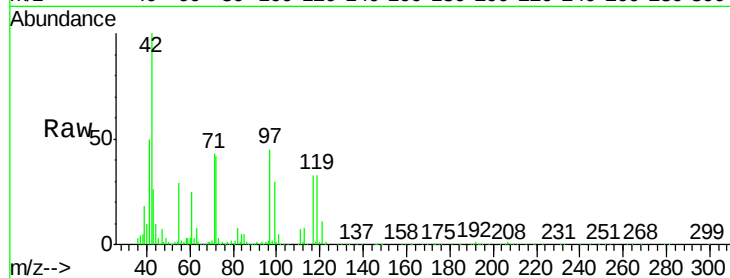
Tot Ion: 42 Resp: 412022

Ion Ratio Lower Upper

42 100

72 43.5 34.0 51.0

71 44.6 32.8 49.2



#30

Chloroform

Concen: 76.875 ug/l

RT: 4.08 min Scan# 360

Delta R.T. 0.00 min

Lab File: VF062588.D

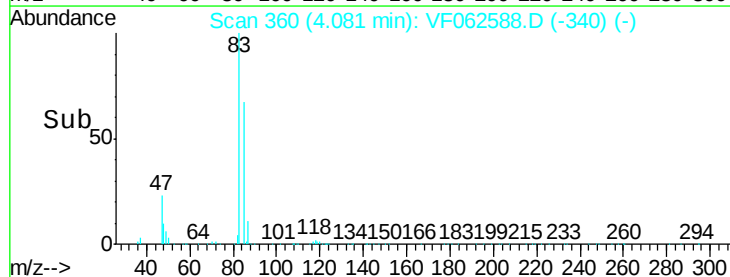
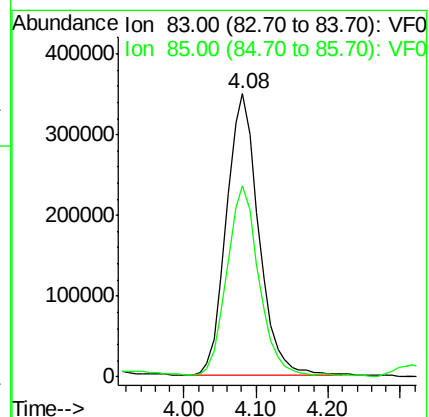
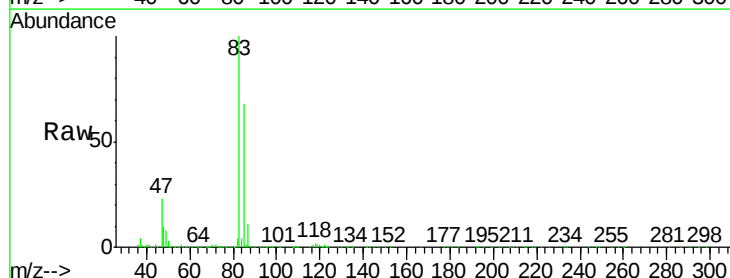
Acq: 14 May 2019 17:48

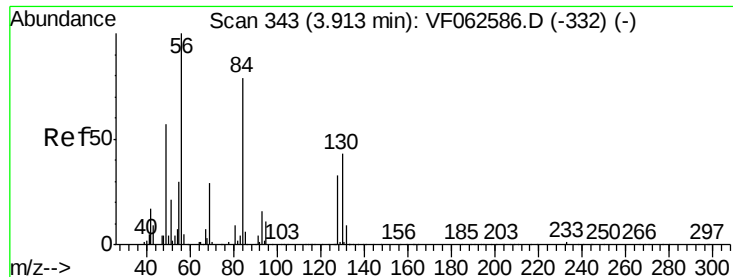
Tgt Ion: 83 Resp: 1083269

Ion Ratio Lower Upper

83 100

85 67.8 48.7 73.1

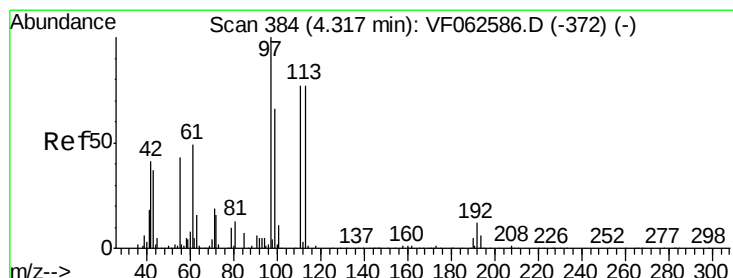
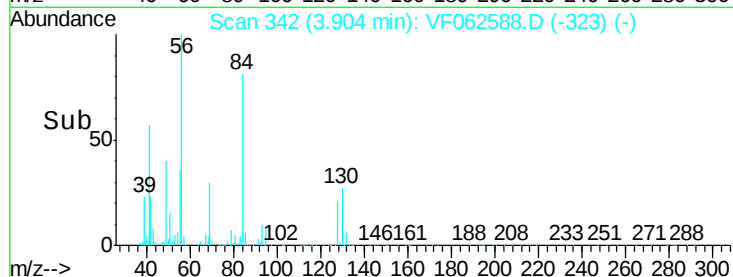
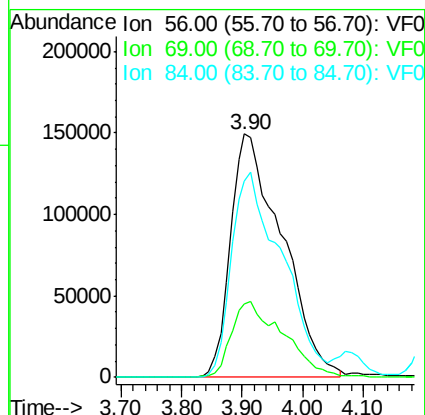
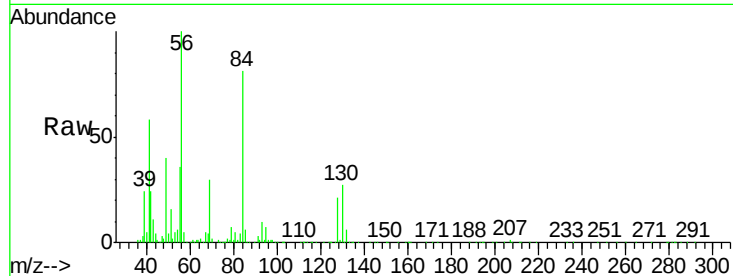




#31
Cvclohexane
Concen: 76.351 ug/l
RT: 3.90 min Scan# 342
Delta R.T. -0.01 min
Lab File: VF062588.D
Acq: 14 May 2019 17:48

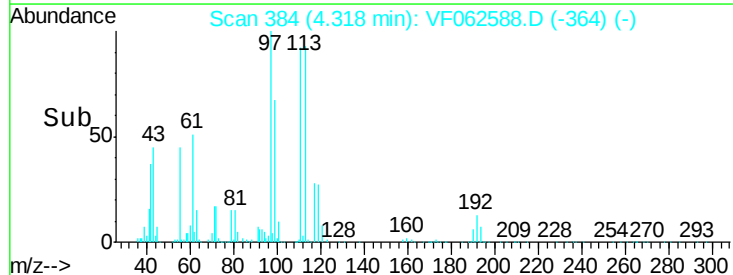
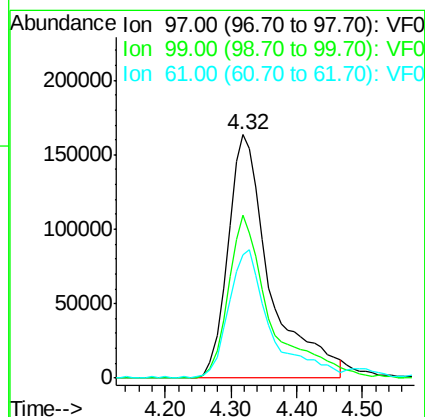
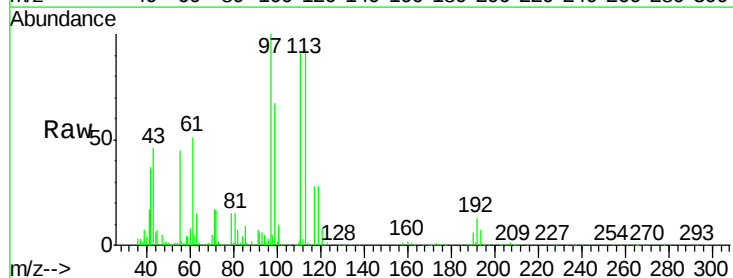
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

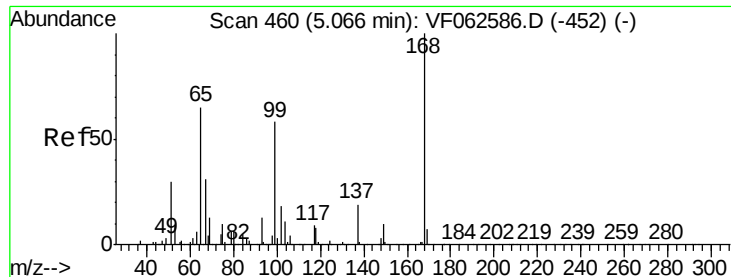
Tot Ion	56	Resp	880904
Ion Ratio	Lower	Upper	
56	100		
69	30.4	22.9	34.3
84	80.8	63.4	95.2



#32
1,1,1-Trichloroethane
Concen: 78.293 ug/l
RT: 4.32 min Scan# 384
Delta R.T. 0.00 min
Lab File: VF062588.D
Acq: 14 May 2019 17:48

Tgt Ion	97	Resp	727205
Ion Ratio	Lower	Upper	
97	100		
99	66.9	53.4	80.0
61	50.7	38.9	58.3





#33

1,2-Dichloroethane-d4

Concen: 63.988 ug/l

RT: 5.06 min Scan# 459

Delta R.T. -0.01 min

Lab File: VF062588.D

Acq: 14 May 2019 17:48

Instrument :

MSVOA_F

ClientSampleId :

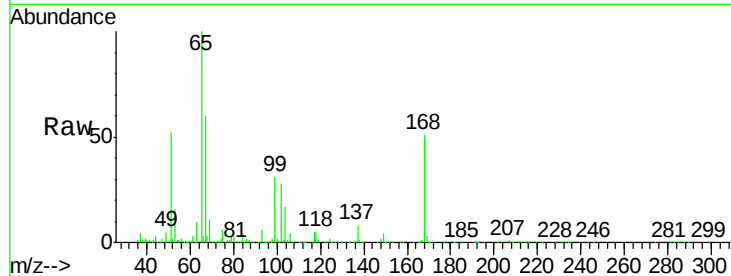
VSTDIC100

Tot Ion: 65 Resp: 450482

Ion Ratio Lower Upper

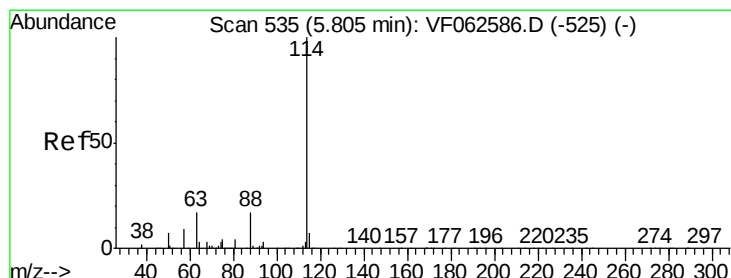
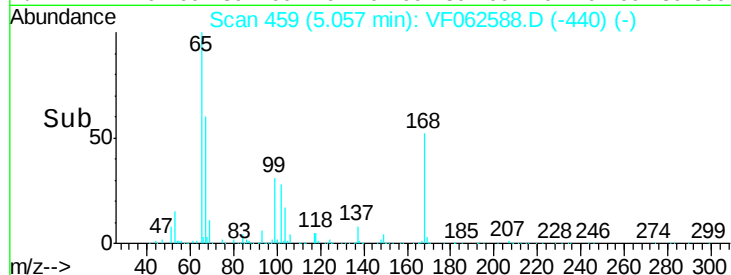
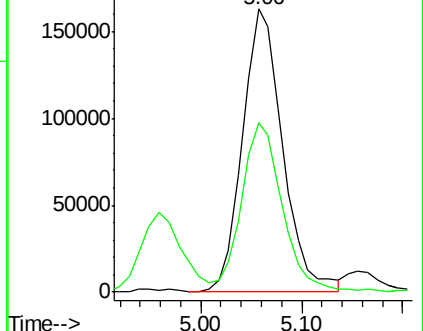
65 100

67 59.8 0.0 116.6



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.81 min Scan# 535

Delta R.T. 0.00 min

Lab File: VF062588.D

Acq: 14 May 2019 17:48

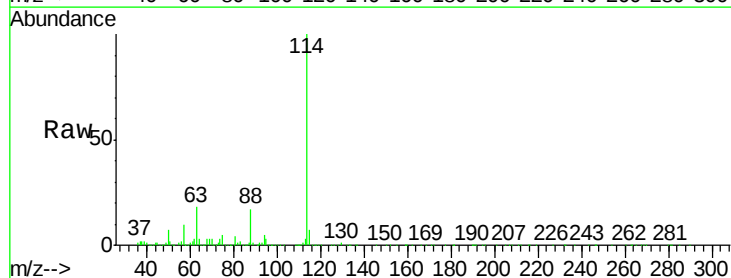
Tgt Ion: 114 Resp: 1067502

Ion Ratio Lower Upper

114 100

63 17.8 0.0 34.6

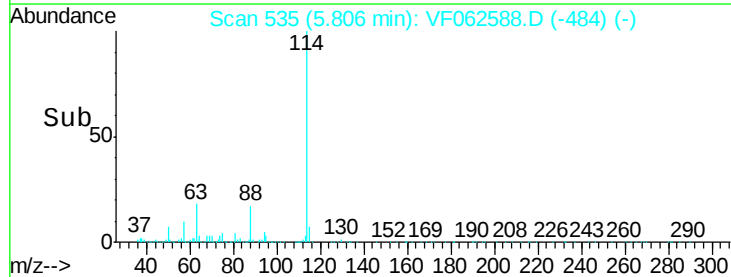
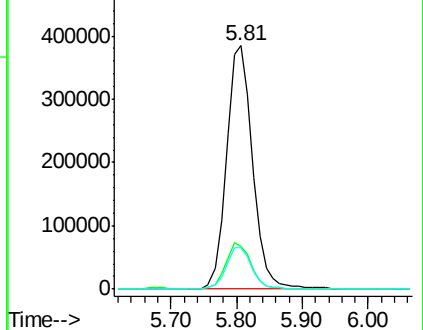
88 17.1 0.0 33.6

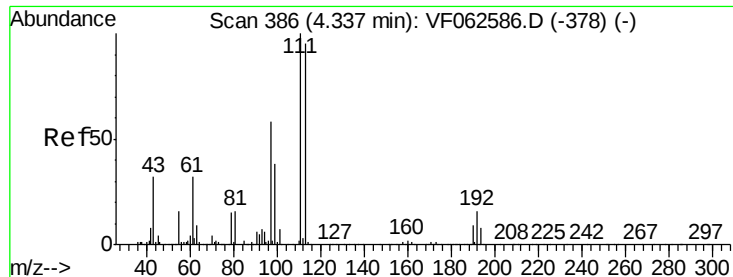


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

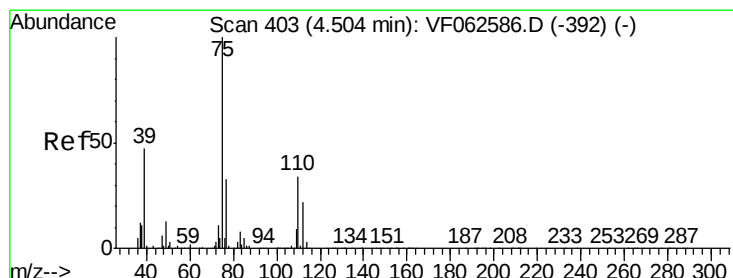
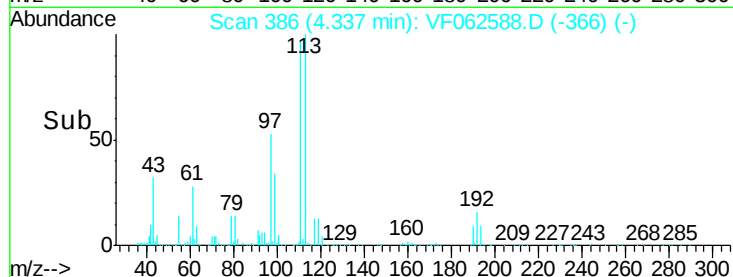
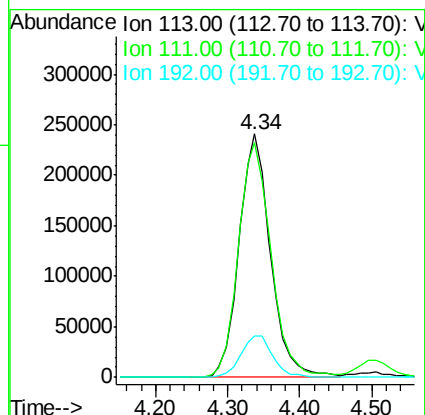
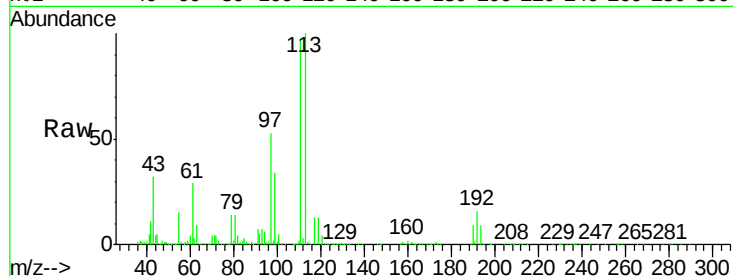




#35
 Dibromofluoromethane
 Concen: 91.848 ug/l
 RT: 4.34 min Scan# 386
 Delta R.T. 0.00 min
 Lab File: VF062588.D
 Acq: 14 May 2019 17:48

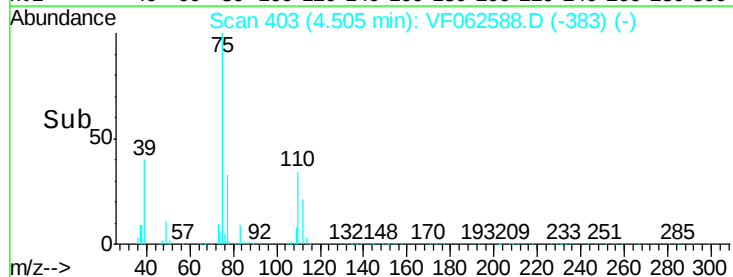
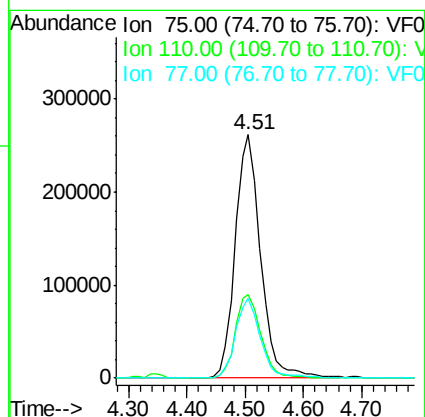
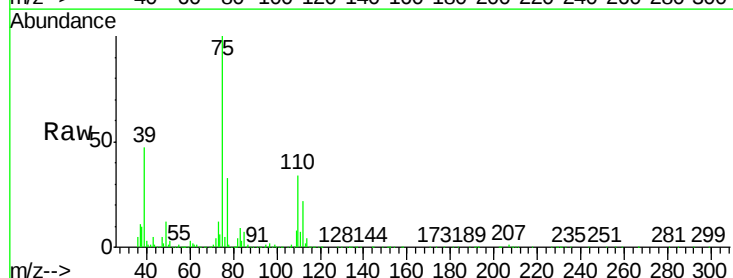
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

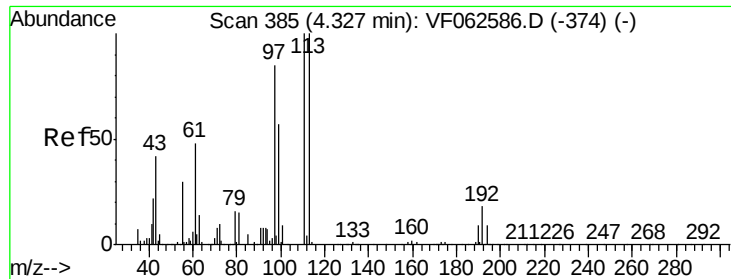
Tot Ion:113 Resp: 730188
 Ion Ratio Lower Upper
 113 100
 111 96.5 83.9 125.9
 192 17.0 13.7 20.5



#36
 1,1-Dichloropropene
 Concen: 68.495 ug/l
 RT: 4.51 min Scan# 403
 Delta R.T. 0.00 min
 Lab File: VF062588.D
 Acq: 14 May 2019 17:48

Tgt Ion: 75 Resp: 790652
 Ion Ratio Lower Upper
 75 100
 110 34.1 17.3 51.7
 77 32.8 26.4 39.6

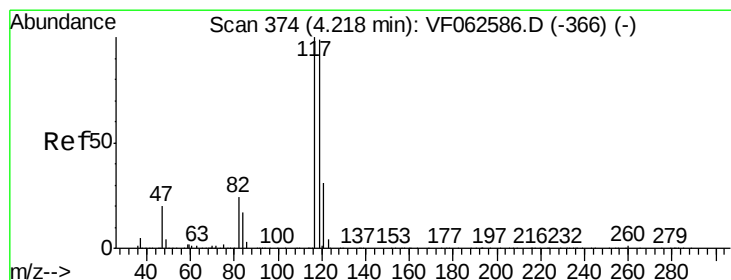
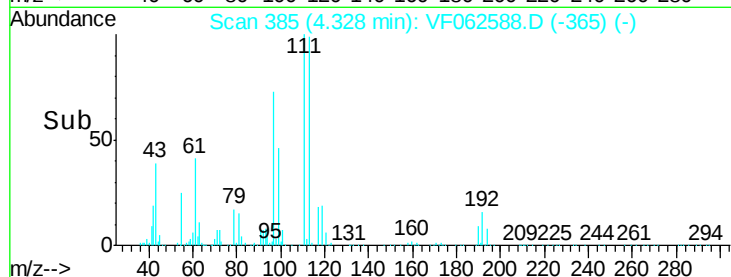
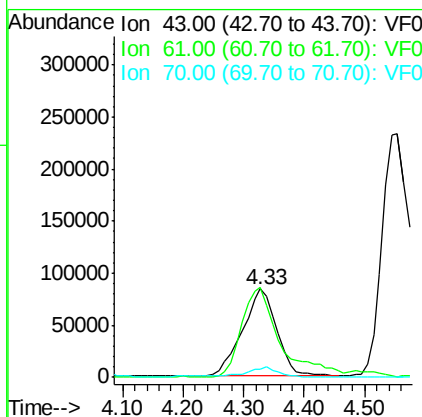
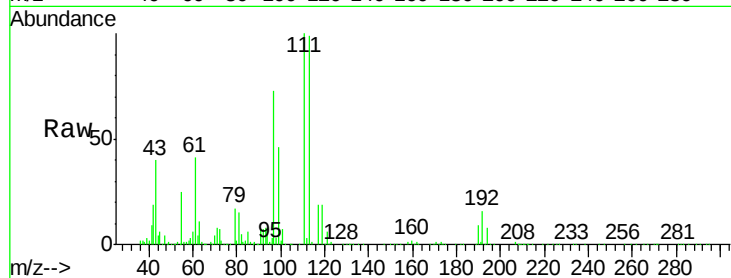




#37
Ethyl Acetate
Concen: 62.165 ug/l
RT: 4.33 min Scan# 385
Delta R.T. 0.00 min
Lab File: VF062588.D
Acq: 14 May 2019 17:48

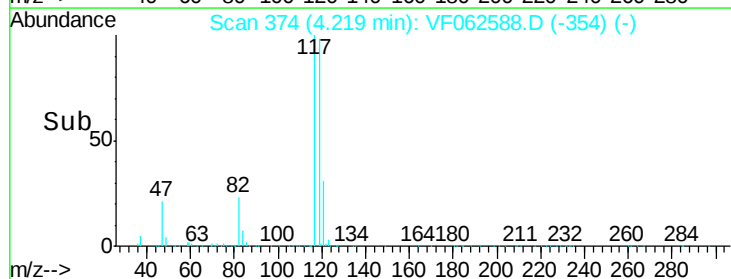
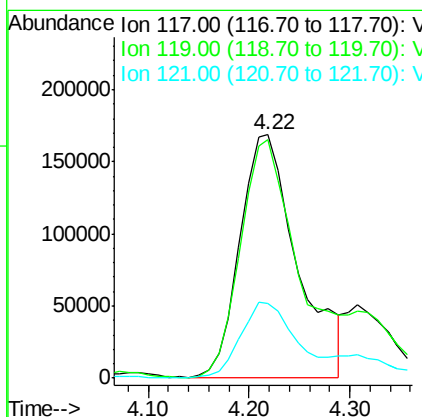
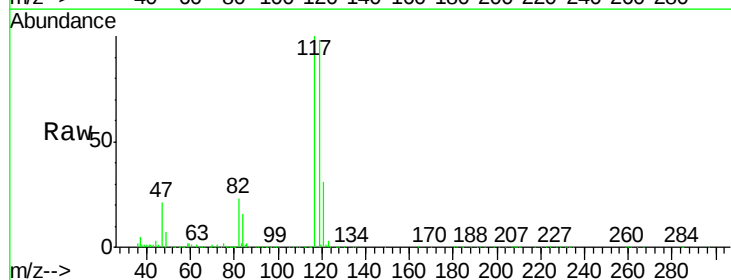
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

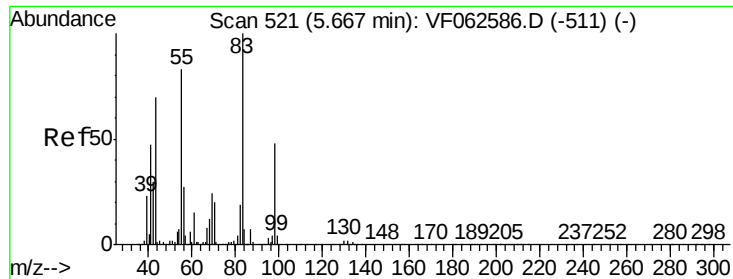
Tot Ion: 43 Resp: 331988
Ion Ratio Lower Upper
43 100
61 102.1 88.6 132.8
70 8.8 8.3 12.5



#38
Carbon Tetrachloride
Concen: 75.029 ug/l
RT: 4.22 min Scan# 374
Delta R.T. 0.00 min
Lab File: VF062588.D
Acq: 14 May 2019 17:48

Tgt Ion: 117 Resp: 668382
Ion Ratio Lower Upper
117 100
119 98.2 79.0 118.6
121 30.9 25.0 37.6

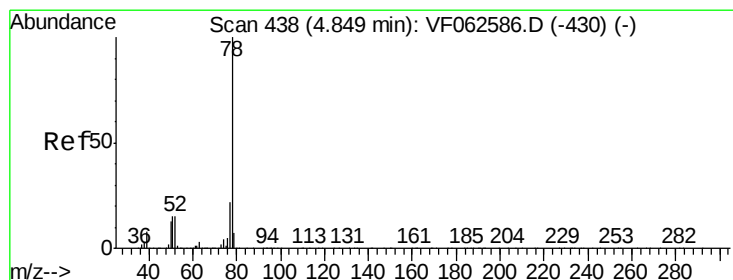
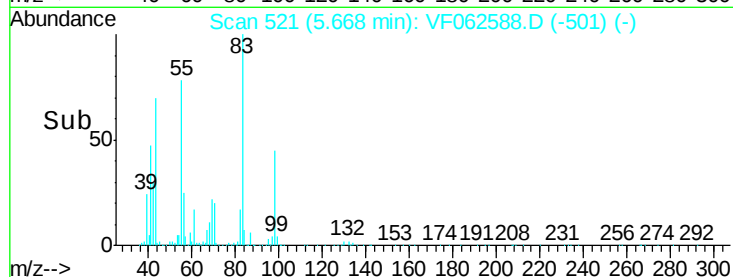
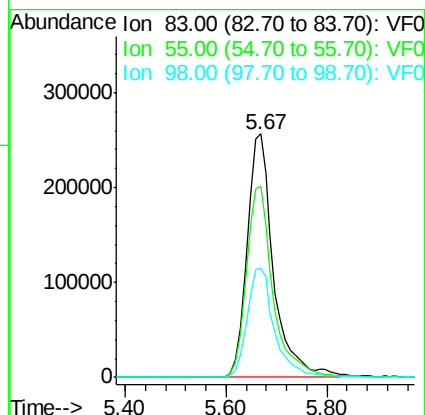
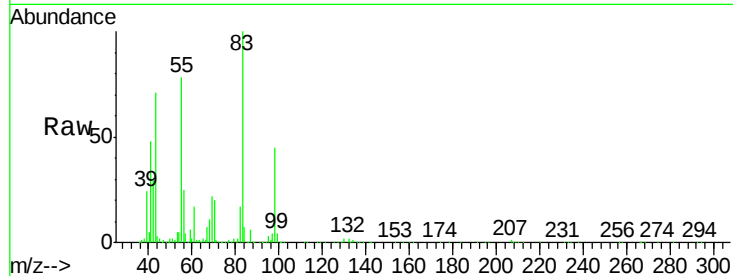




#39
Methvlcvclohexane
Concen: 79.790 ug/l
RT: 5.67 min Scan# 521
Delta R.T. 0.00 min
Lab File: VF062588.D
Acq: 14 May 2019 17:48

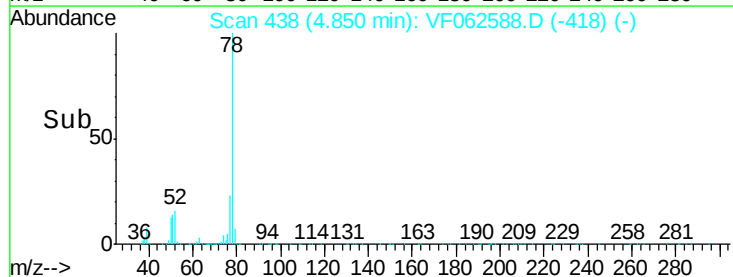
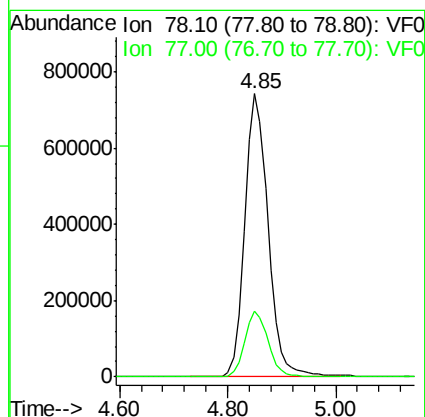
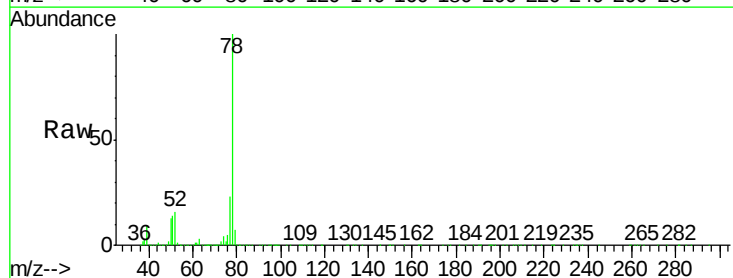
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

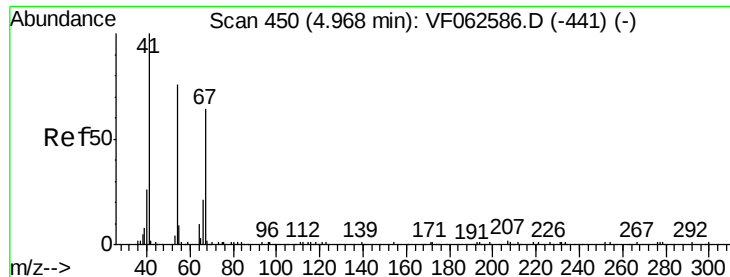
Tot Ion: 83 Resp: 931302
Ion Ratio Lower Upper
83 100
55 78.3 66.6 100.0
98 44.9 38.3 57.5



#40
Benzene
Concen: 85.385 ug/l
RT: 4.85 min Scan# 438
Delta R.T. 0.00 min
Lab File: VF062588.D
Acq: 14 May 2019 17:48

Tgt Ion: 78 Resp: 2220995
Ion Ratio Lower Upper
78 100
77 23.0 17.7 26.5

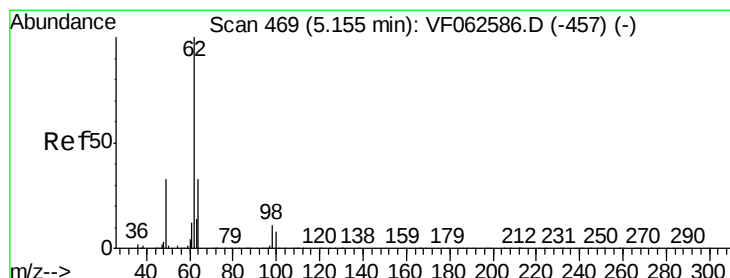
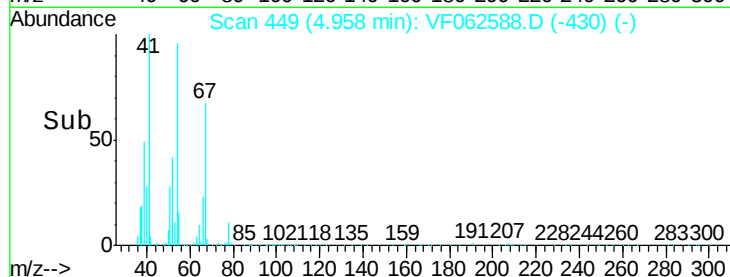
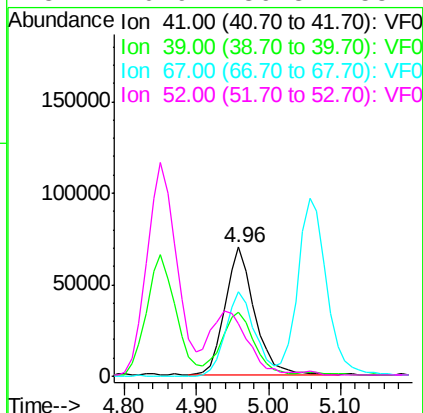
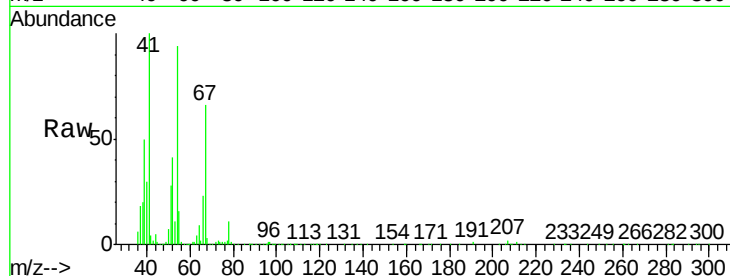




#41
Methacrylonitrile
Concen: 65.990 ug/l
RT: 4.96 min Scan# 449
Delta R.T. -0.01 min
Lab File: VF062588.D
Acq: 14 May 2019 17:48

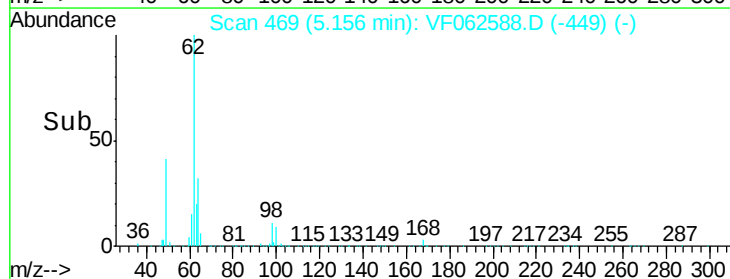
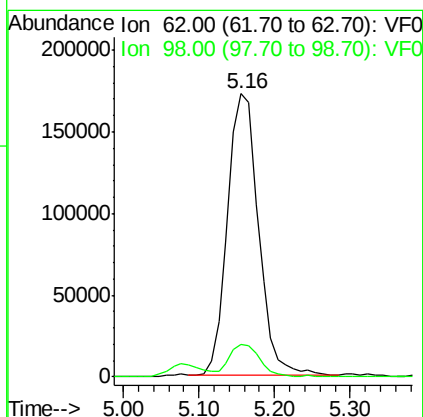
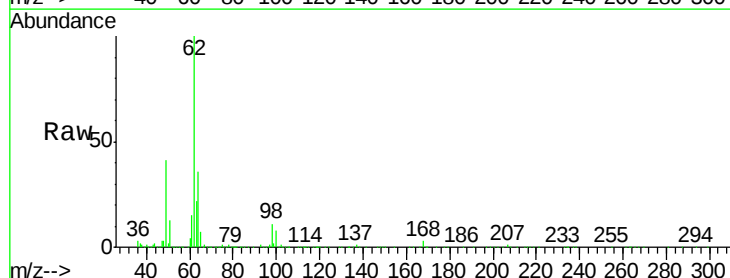
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

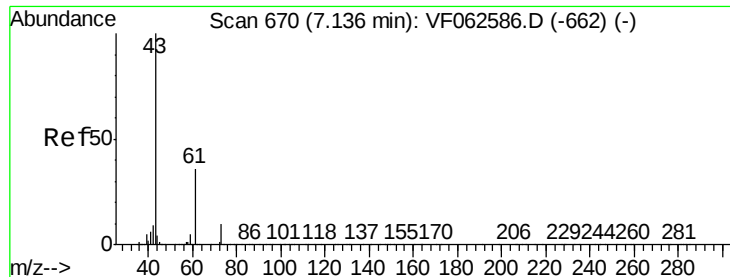
Tot Ion:	41	Resp:	198605
Ion	Ratio	Lower	Upper
41	100		
39	49.7	40.8	61.2
67	65.9	50.2	75.2
52	40.9	36.8	55.2



#42
1,2-Dichloroethane
Concen: 53.962 ug/l
RT: 5.16 min Scan# 469
Delta R.T. 0.00 min
Lab File: VF062588.D
Acq: 14 May 2019 17:48

Tgt Ion:	62	Resp:	490890
Ion	Ratio	Lower	Upper
62	100		
98	11.4	0.0	22.2





#43

Isopropyl Acetate

Concen: 68.800 ug/l

RT: 7.14 min Scan# 670

Delta R.T. 0.00 min

Lab File: VF062588.D

Acq: 14 May 2019 17:48

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

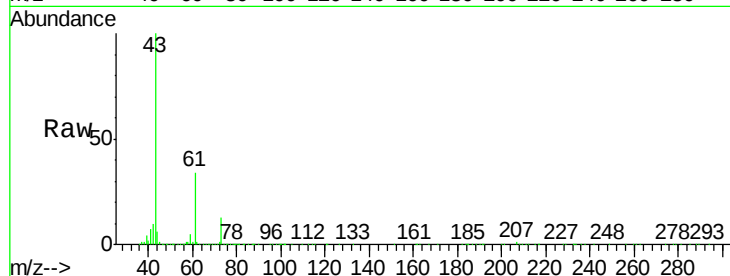
Tot Ion: 43 Resp: 396588

Ion Ratio Lower Upper

43 100

61 33.9 28.5 42.7

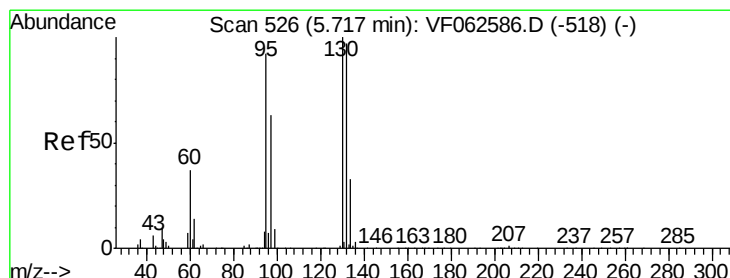
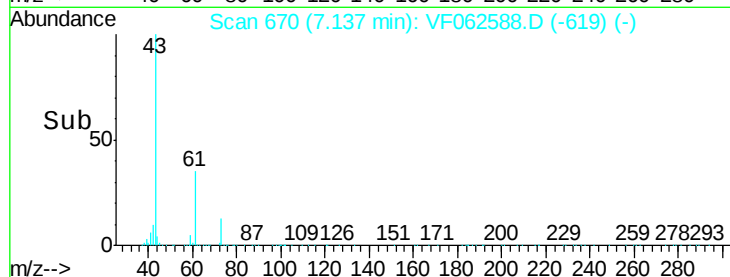
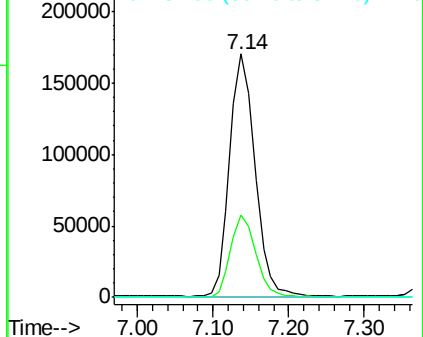
87 0.4 0.4 0.6#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0



#44

Trichloroethene

Concen: 76.570 ug/l

RT: 5.72 min Scan# 526

Delta R.T. 0.00 min

Lab File: VF062588.D

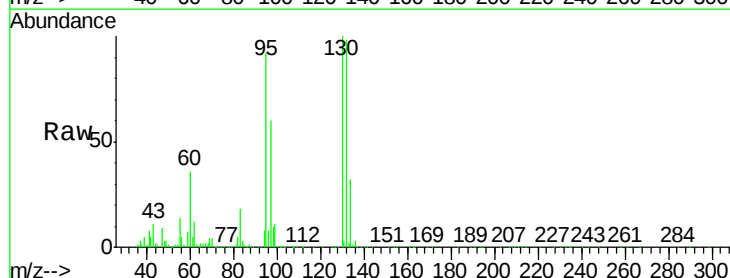
Acq: 14 May 2019 17:48

Tgt Ion: 130 Resp: 602520

Ion Ratio Lower Upper

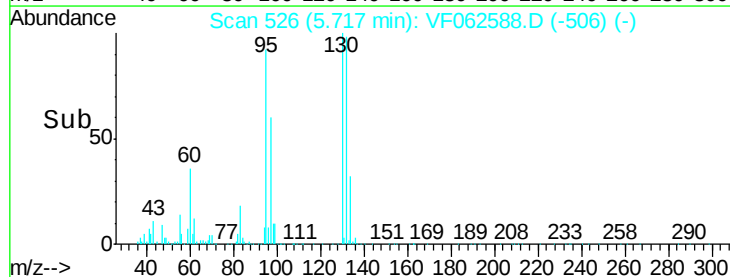
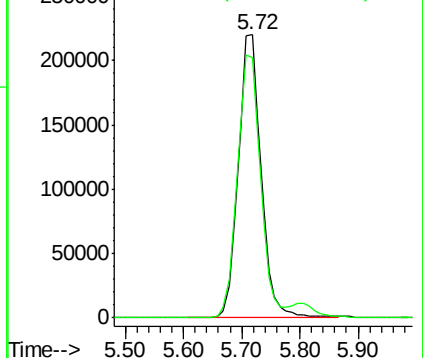
130 100

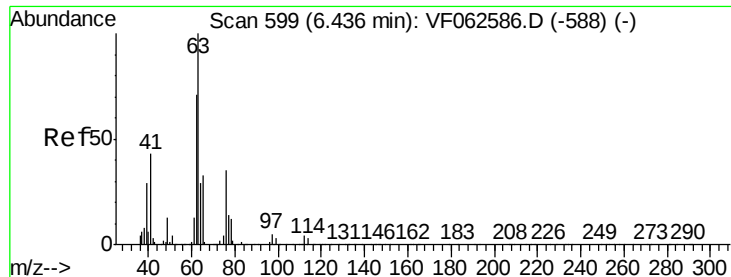
95 91.8 0.0 185.0



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 93.641 ug/l

RT: 6.44 min Scan# 599

Delta R.T. 0.00 min

Lab File: VF062588.D

Acq: 14 May 2019 17:48

Instrument :

MSVOA_F

ClientSampleId :

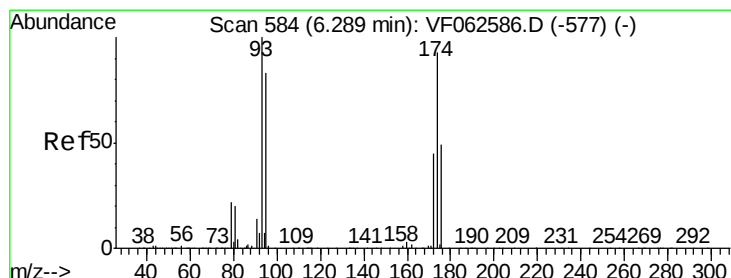
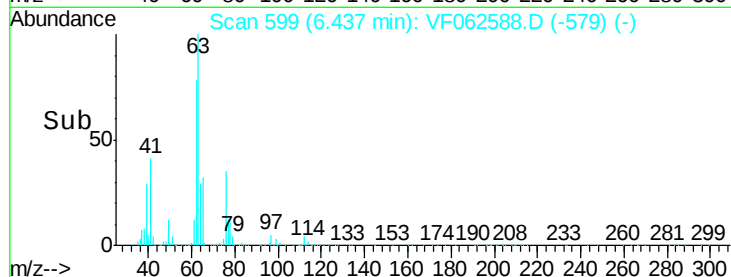
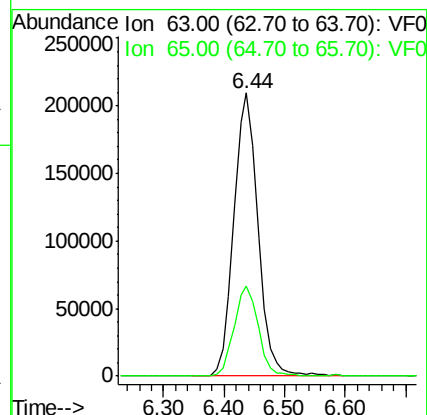
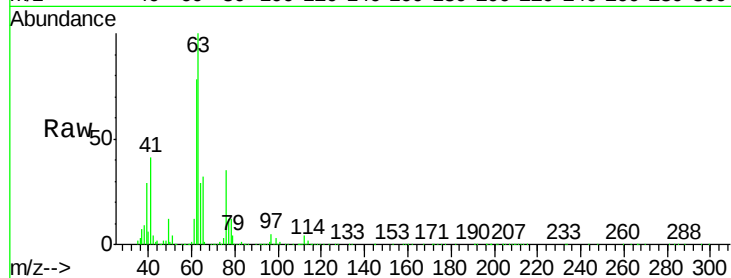
VSTDIC100

Tot Ion: 63 Resp: 579669

Ion Ratio Lower Upper

63 100

65 31.9 26.2 39.4



#46

Dibromomethane

Concen: 78.996 ug/l

RT: 6.29 min Scan# 584

Delta R.T. 0.00 min

Lab File: VF062588.D

Acq: 14 May 2019 17:48

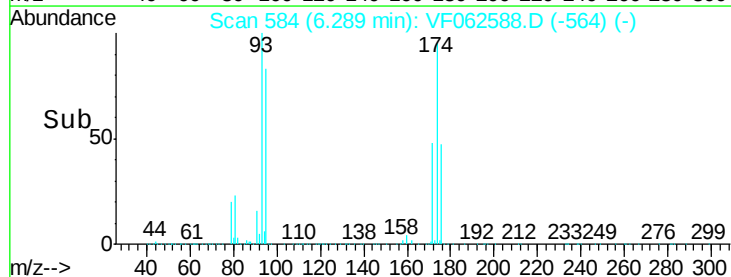
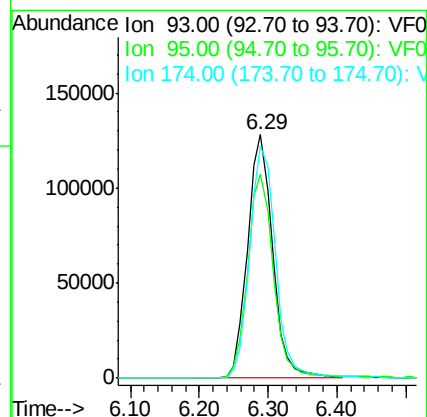
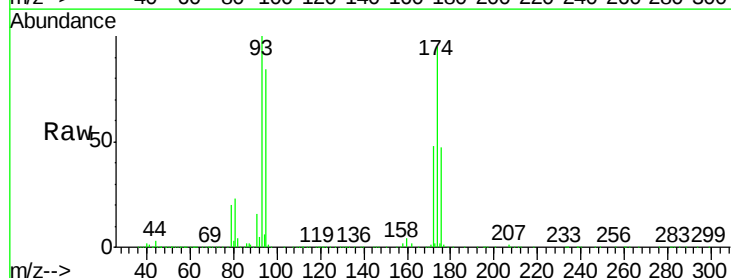
Tgt Ion: 93 Resp: 325720

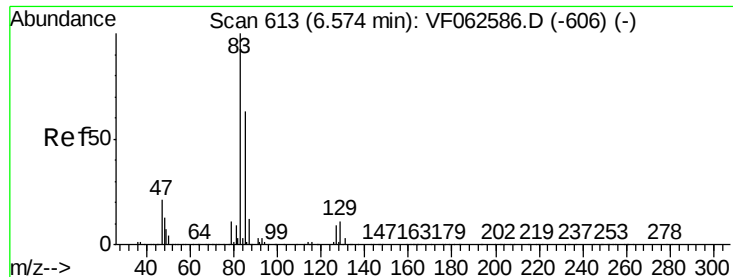
Ion Ratio Lower Upper

93 100

95 83.7 66.9 100.3

174 95.3 74.6 112.0





#47

Bromodichloromethane

Concen: 66.728 ug/l

RT: 6.58 min Scan# 613

Delta R.T. 0.00 min

Lab File: VF062588.D

Acq: 14 May 2019 17:48

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

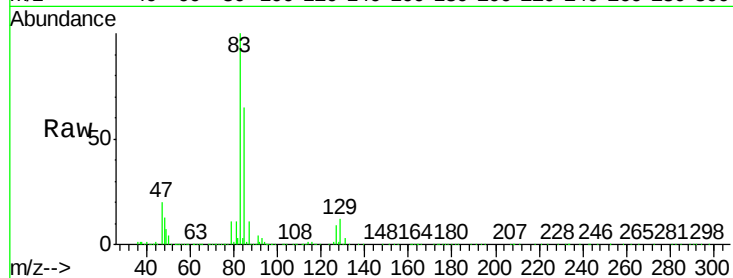
Tot Ion: 83 Resp: 726485

Ion Ratio Lower Upper

83 100

85 64.6 50.3 75.5

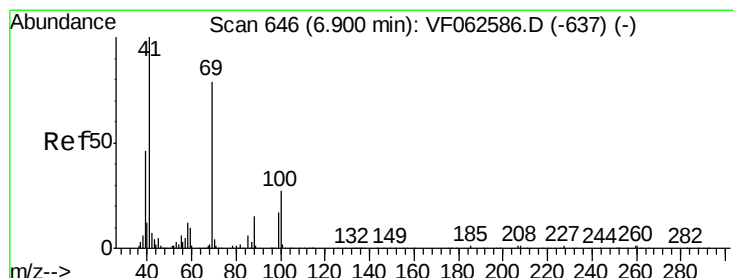
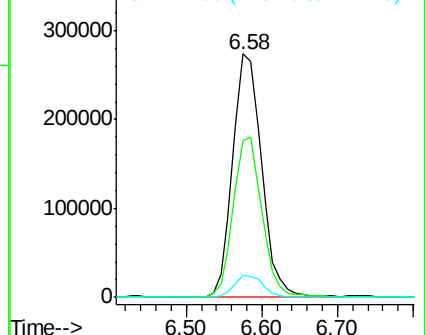
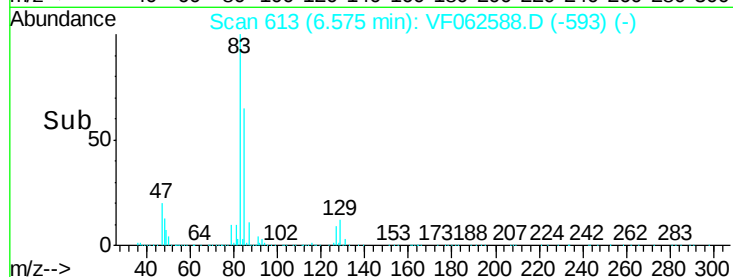
127 9.0 7.2 10.8



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: 53.714 ug/l

RT: 6.90 min Scan# 646

Delta R.T. 0.00 min

Lab File: VF062588.D

Acq: 14 May 2019 17:48

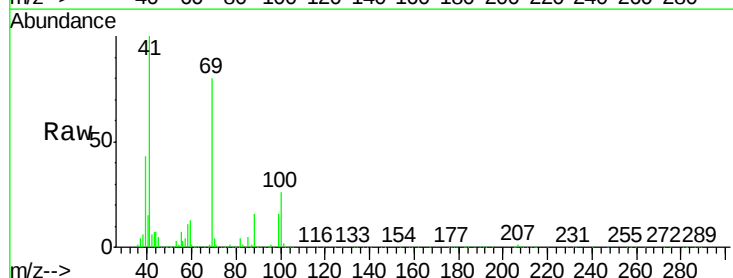
Tgt Ion: 41 Resp: 229933

Ion Ratio Lower Upper

41 100

69 80.4 63.0 94.6

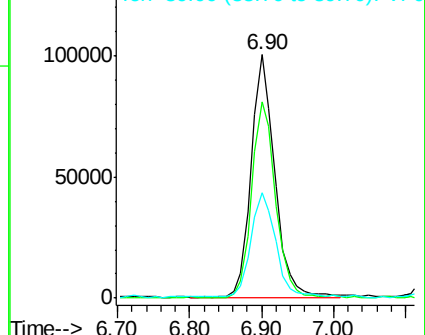
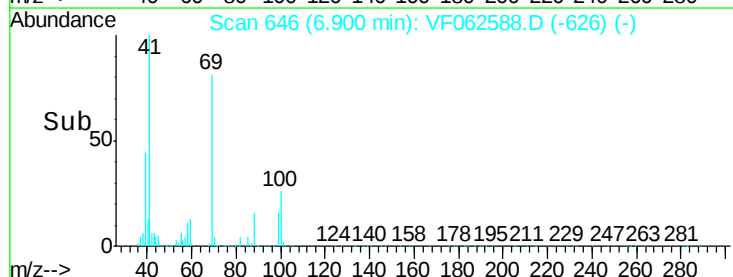
39 43.5 37.6 56.4

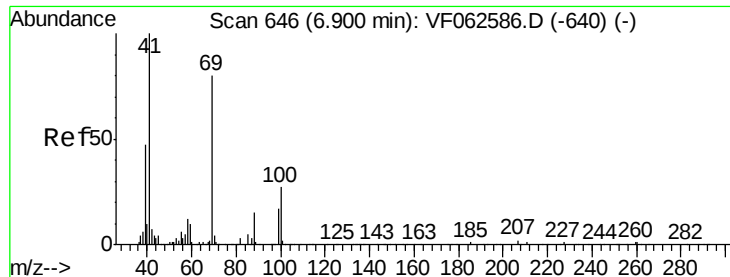


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 1900.398 ug/l

RT: 6.90 min Scan# 646

Delta R.T. 0.00 min

Lab File: VF062588.D

Acq: 14 May 2019 17:48

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

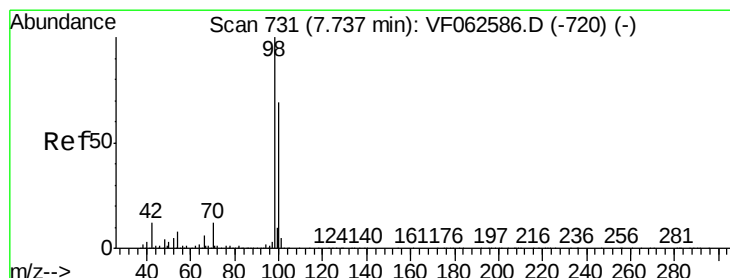
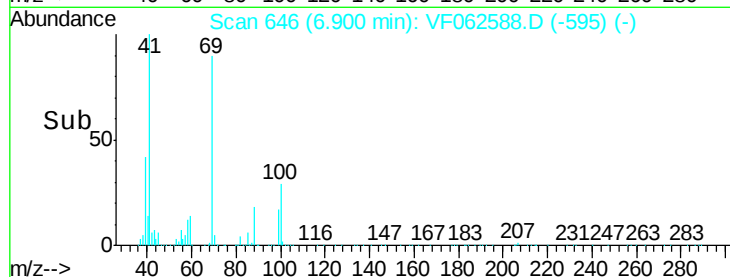
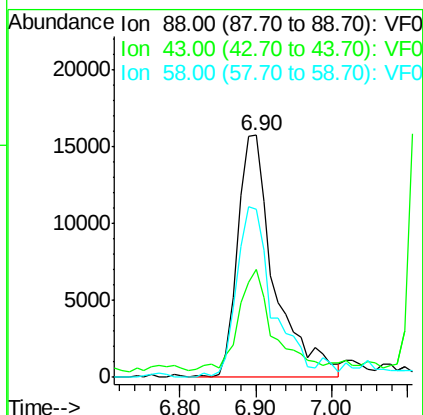
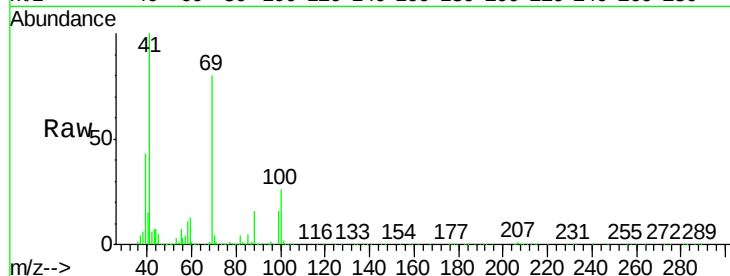
Tot Ion: 88 Resp: 52931

Ion Ratio Lower Upper

88 100

43 44.8 28.8 43.2#

58 69.2 60.6 90.8



#50

Toluene-d8

Concen: 74.871 ug/l

RT: 7.74 min Scan# 731

Delta R.T. 0.00 min

Lab File: VF062588.D

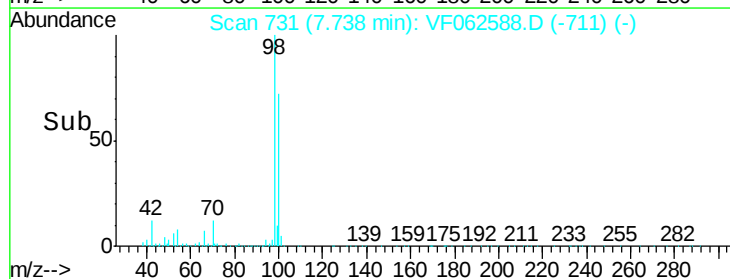
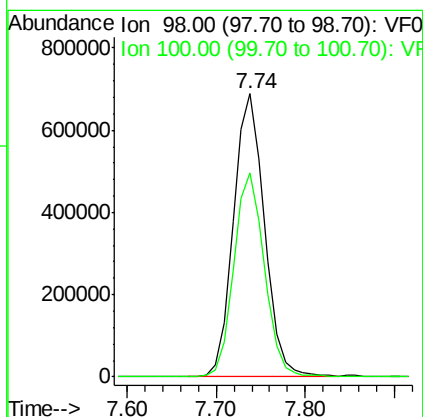
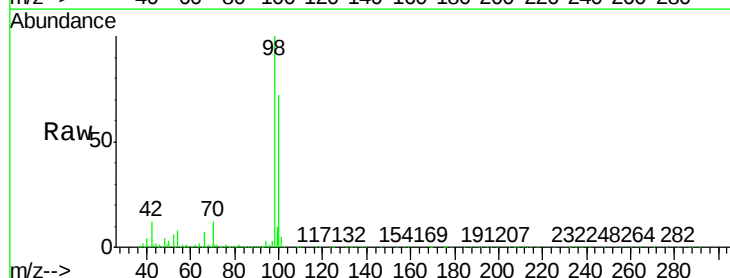
Acq: 14 May 2019 17:48

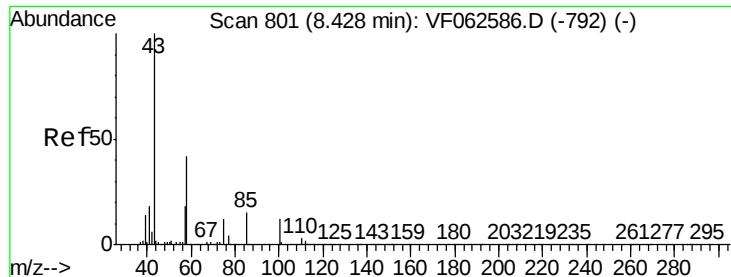
Tgt Ion: 98 Resp: 1674652

Ion Ratio Lower Upper

98 100

100 71.9 55.4 83.0





#51

4-Methyl-2-Pentanone

Concen: 334.589 ug/l

RT: 8.43 min Scan# 801

Delta R.T. 0.00 min

Lab File: VF062588.D

Acq: 14 May 2019 17:48

Instrument :

MSVOA_F

ClientSampleId :

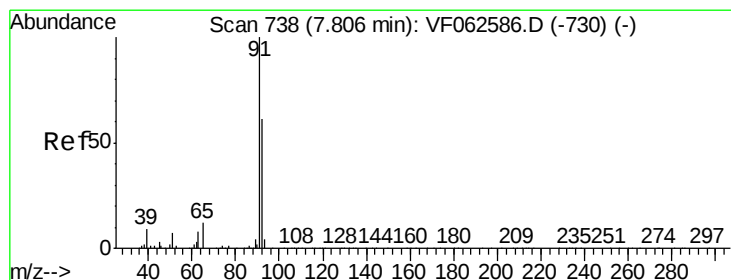
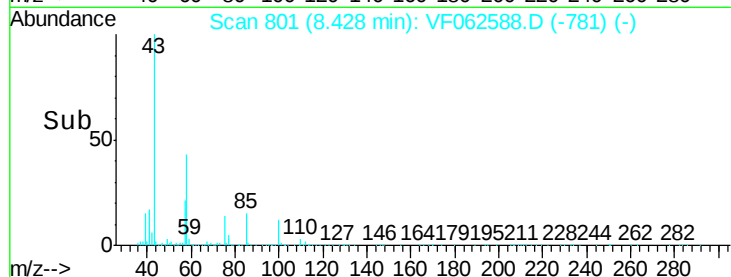
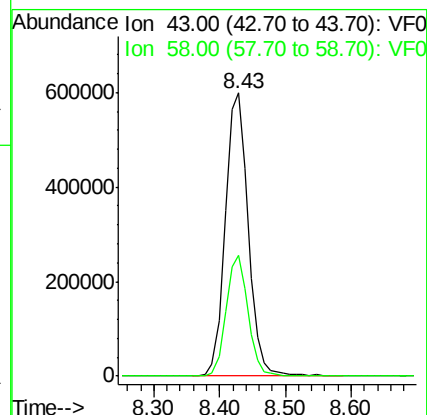
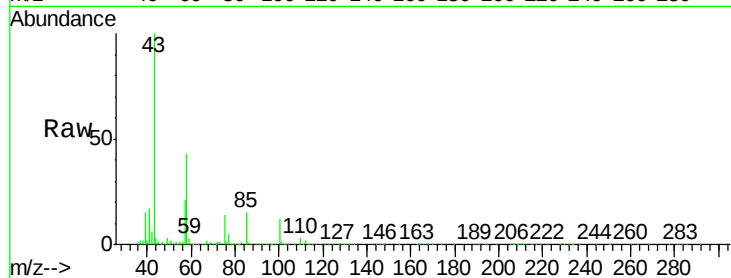
VSTDIC100

Tot Ion: 43 Resp: 1454609

Ion Ratio Lower Upper

43 100

58 42.7 33.6 50.4



#52

Toluene

Concen: 69.316 ug/l

RT: 7.81 min Scan# 738

Delta R.T. 0.00 min

Lab File: VF062588.D

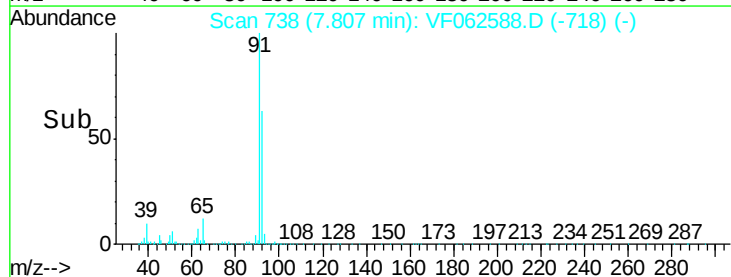
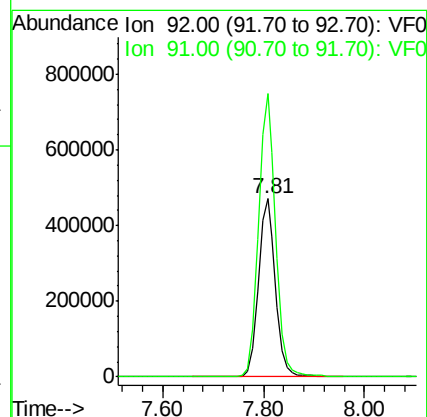
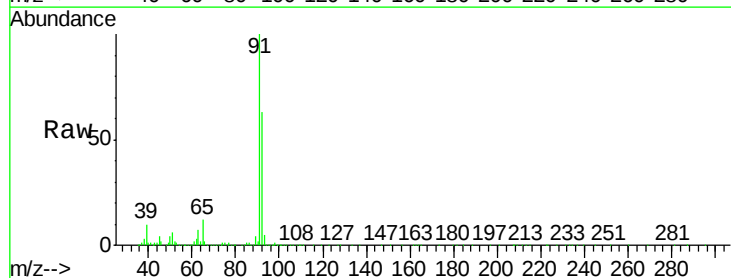
Acq: 14 May 2019 17:48

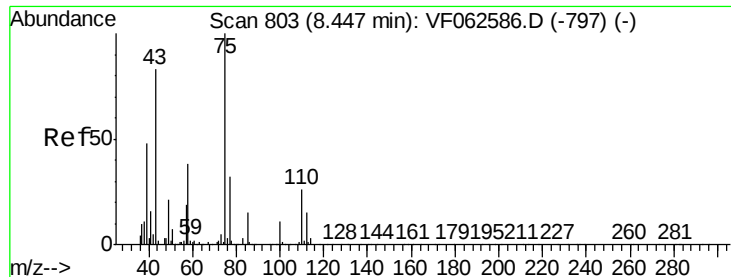
Tgt Ion: 92 Resp: 1118550

Ion Ratio Lower Upper

92 100

91 159.1 131.0 196.4

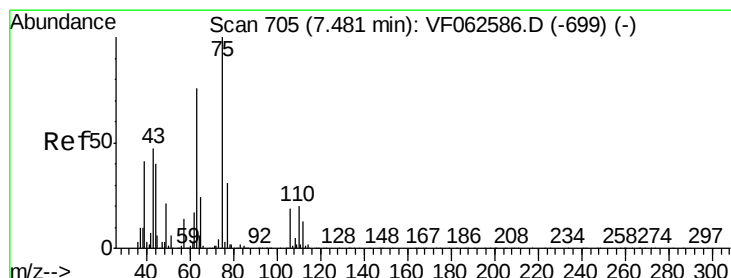
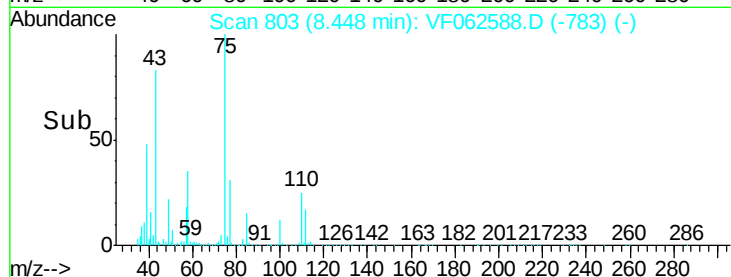
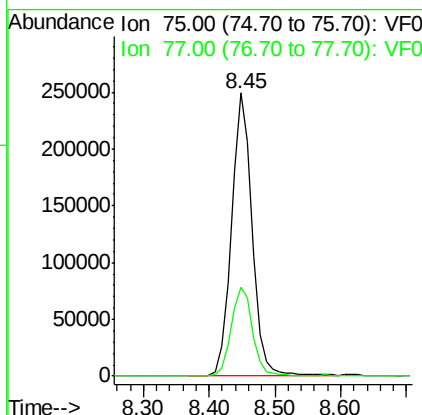
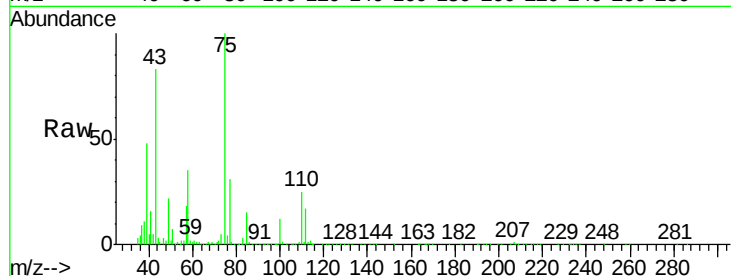




#53
t-1,3-Dichloropropene
Concen: 62.869 ug/l
RT: 8.45 min Scan# 803
Delta R.T. 0.00 min
Lab File: VF062588.D
Acq: 14 May 2019 17:48

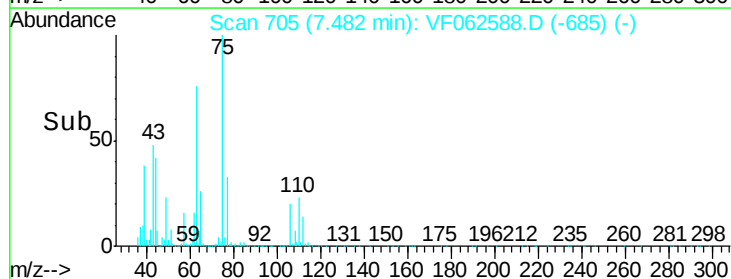
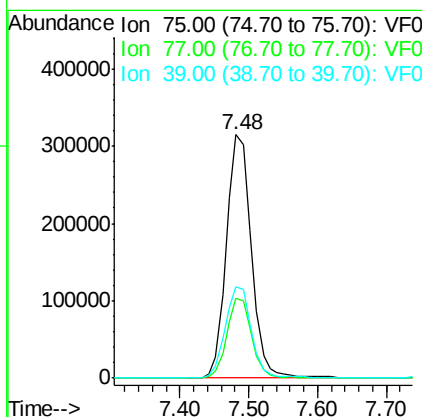
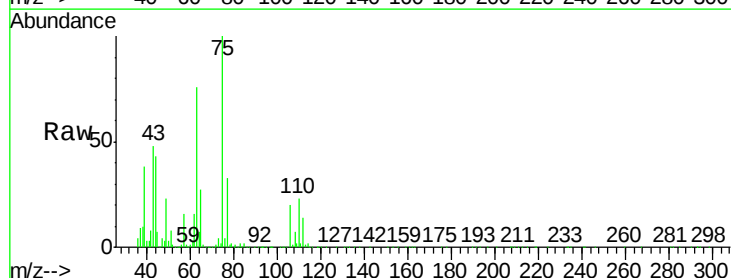
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

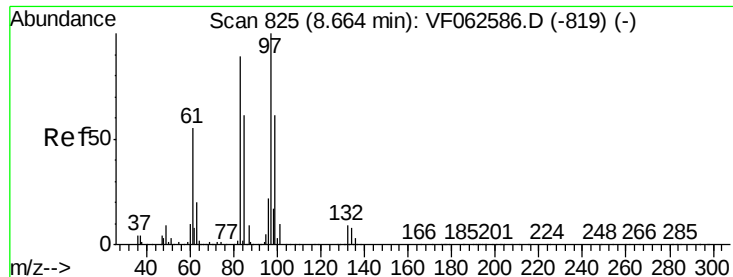
Tot Ion: 75 Resp: 549383
Ion Ratio Lower Upper
75 100
77 31.3 25.7 38.5



#54
cis-1,3-Dichloropropene
Concen: 72.981 ug/l
RT: 7.48 min Scan# 705
Delta R.T. 0.00 min
Lab File: VF062588.D
Acq: 14 May 2019 17:48

Tgt Ion: 75 Resp: 791548
Ion Ratio Lower Upper
75 100
77 32.7 25.0 37.6
39 37.7 32.8 49.2





#55

1,1,2-Trichloroethane

Concen: 78.278 ug/l

RT: 8.65 min Scan# 824

Delta R.T. -0.01 min

Lab File: VF062588.D

Acq: 14 May 2019 17:48

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 97 Resp: 353389

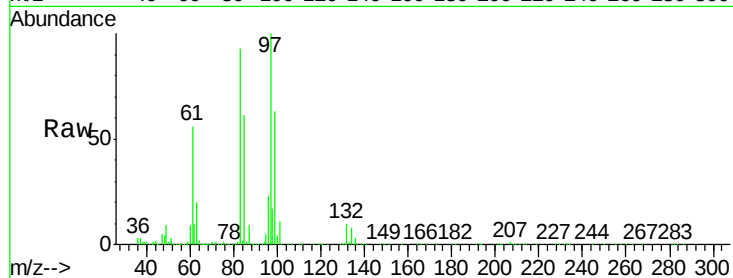
Ion Ratio Lower Upper

97 100

83 92.8 71.3 106.9

85 61.3 48.9 73.3

99 63.2 48.4 72.6

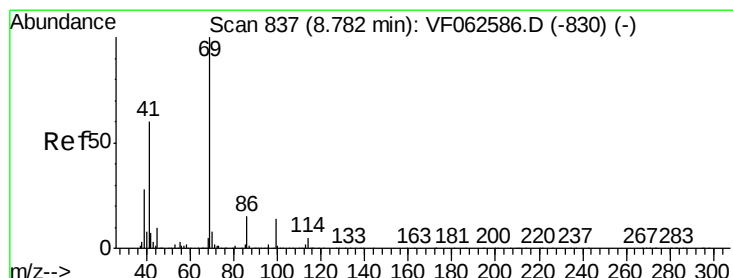
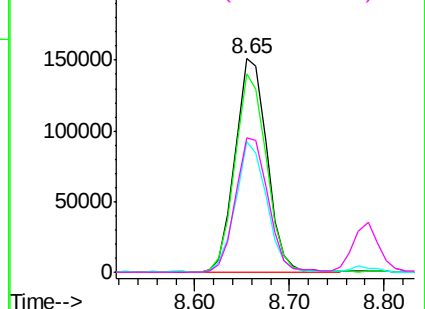
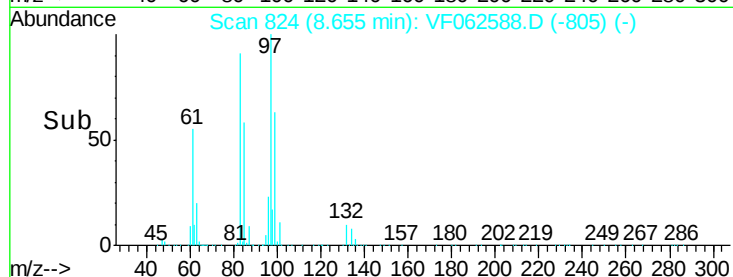


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 69.307 ug/l

RT: 8.78 min Scan# 837

Delta R.T. 0.00 min

Lab File: VF062588.D

Acq: 14 May 2019 17:48

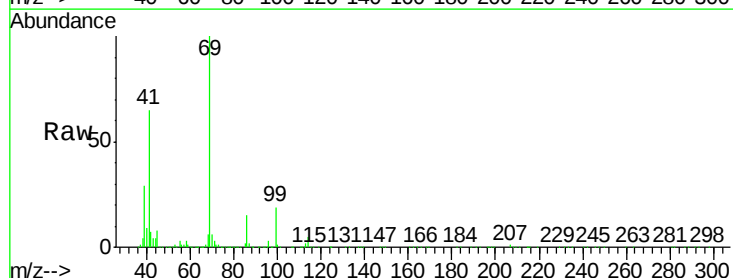
Tgt Ion: 69 Resp: 410068

Ion Ratio Lower Upper

69 100

41 64.7 48.1 72.1

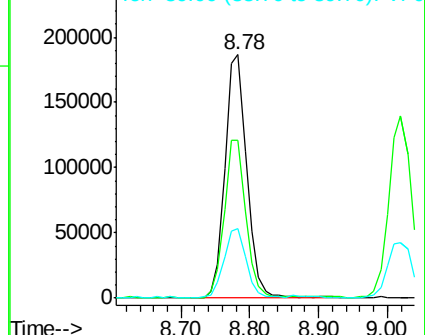
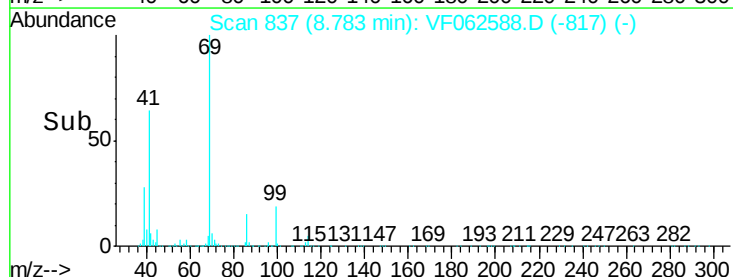
39 28.6 22.5 33.7

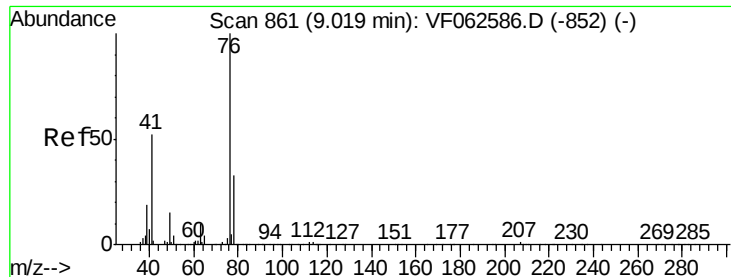


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 79.008 ug/l

RT: 9.02 min Scan# 861

Delta R.T. 0.00 min

Lab File: VF062588.D

Acq: 14 May 2019 17:48

Instrument :

MSVOA_F

ClientSampleId :

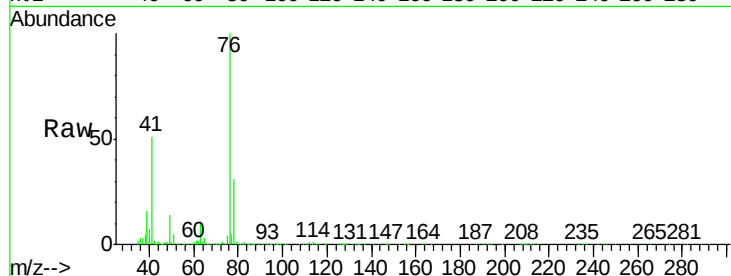
VSTDIC100

Tot Ion: 76 Resp: 600636

Ion Ratio Lower Upper

76 100

78 30.7 26.4 39.6



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0

300000

250000

200000

150000

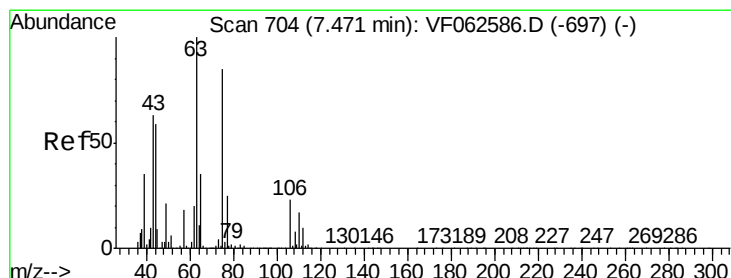
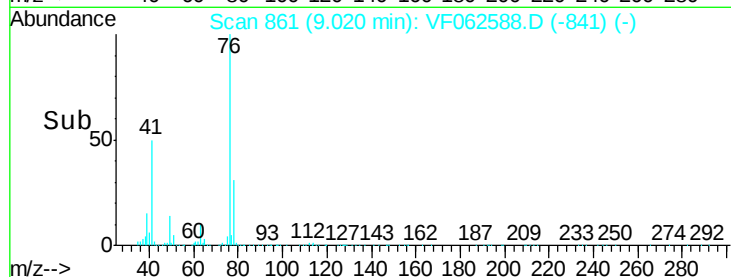
100000

50000

0

8.90 9.02 9.10 9.20

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 690.916 ug/l

RT: 7.47 min Scan# 704

Delta R.T. 0.00 min

Lab File: VF062588.D

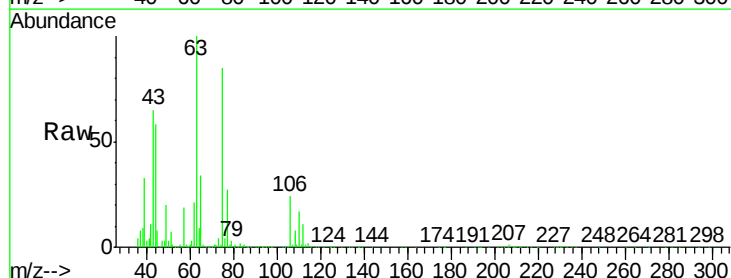
Acq: 14 May 2019 17:48

Tgt Ion: 63 Resp: 646506

Ion Ratio Lower Upper

63 100

106 23.7 18.0 27.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

300000

250000

200000

150000

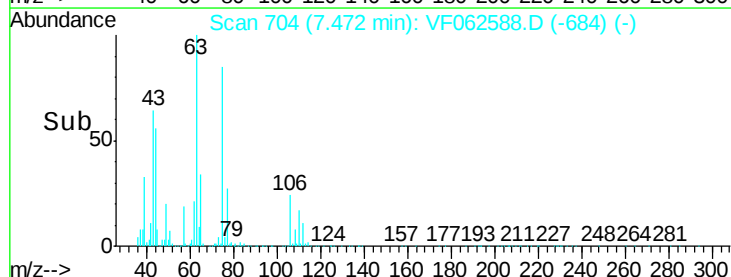
100000

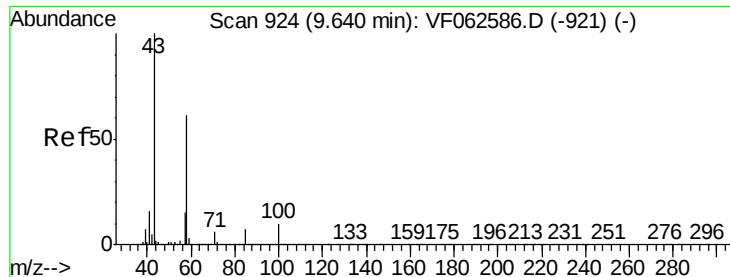
50000

0

7.30 7.40 7.50 7.60 7.70

Time-->

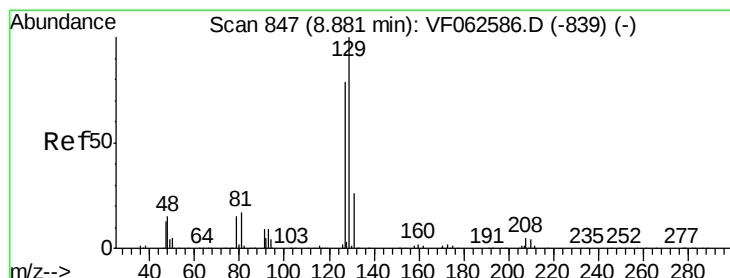
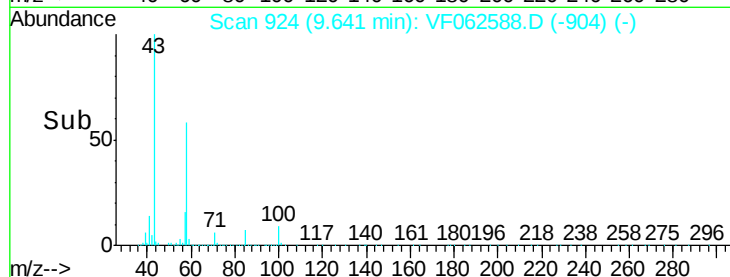
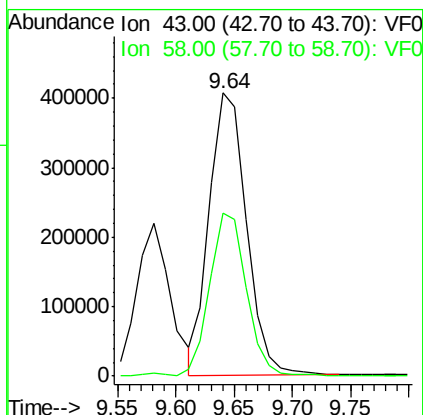
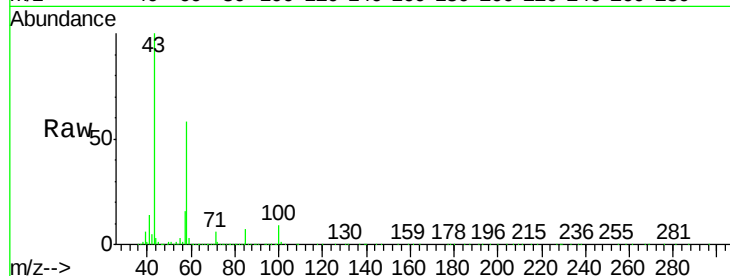




#59
2-Hexanone
Concen: 294.292 ug/l
RT: 9.64 min Scan# 924
Delta R.T. 0.00 min
Lab File: VF062588.D
Acq: 14 May 2019 17:48

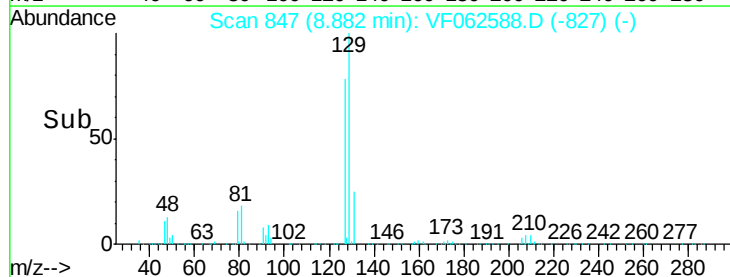
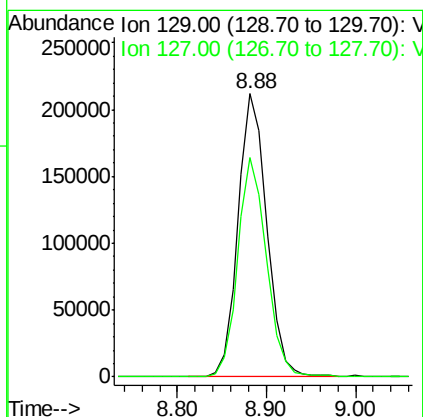
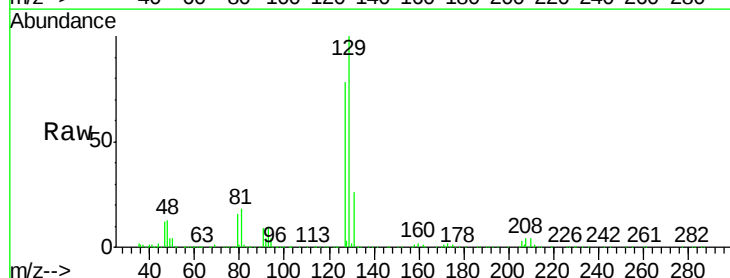
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

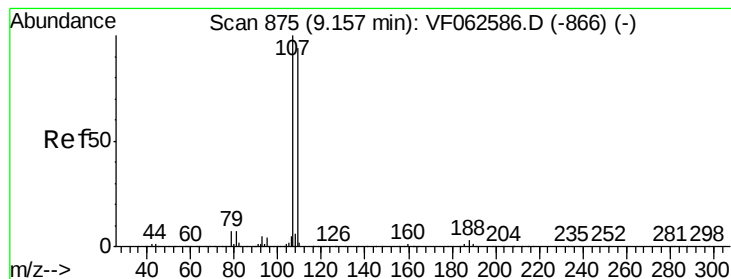
Tot Ion: 43 Resp: 900962
Ion Ratio Lower Upper
43 100
58 57.7 28.7 86.3



#60
Dibromochloromethane
Concen: 73.974 ug/l
RT: 8.88 min Scan# 847
Delta R.T. 0.00 min
Lab File: VF062588.D
Acq: 14 May 2019 17:48

Tgt Ion: 129 Resp: 475601
Ion Ratio Lower Upper
129 100
127 77.7 39.3 117.9





#61

1,2-Dibromoethane

Concen: 77.247 ug/l

RT: 9.16 min Scan# 875

Delta R.T. 0.00 min

Lab File: VF062588.D

Acq: 14 May 2019 17:48

Instrument :

MSVOA_F

ClientSampleId :

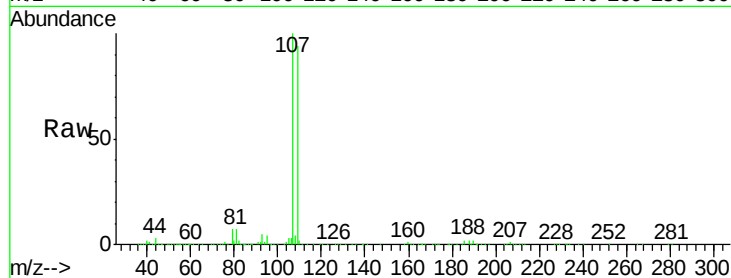
VSTDIC100

Tot Ion:107 Resp: 366756

Ion Ratio Lower Upper

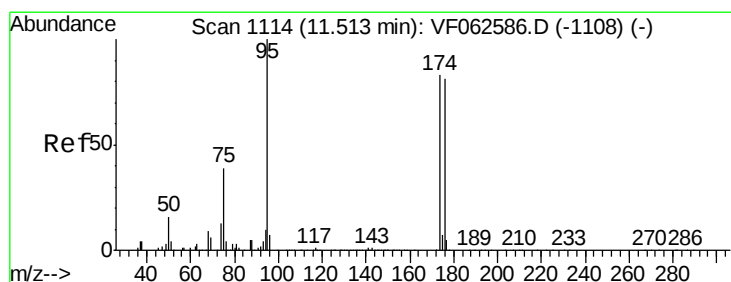
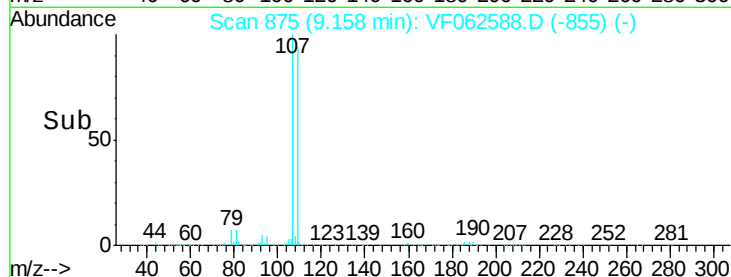
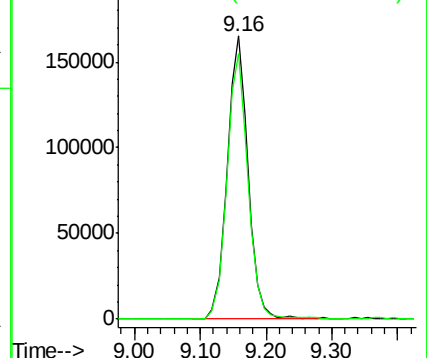
107 100

109 93.6 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: 67.228 ug/l

RT: 11.51 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VF062588.D

Acq: 14 May 2019 17:48

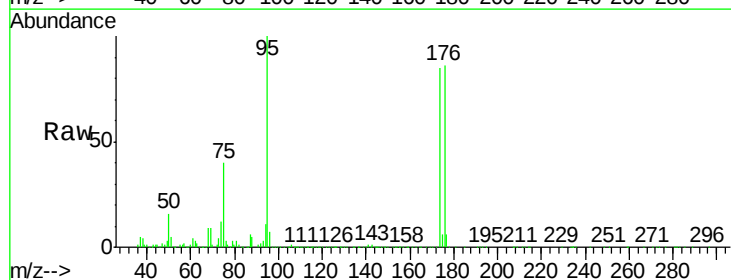
Tgt Ion: 95 Resp: 600660

Ion Ratio Lower Upper

95 100

174 84.9 0.0 166.6

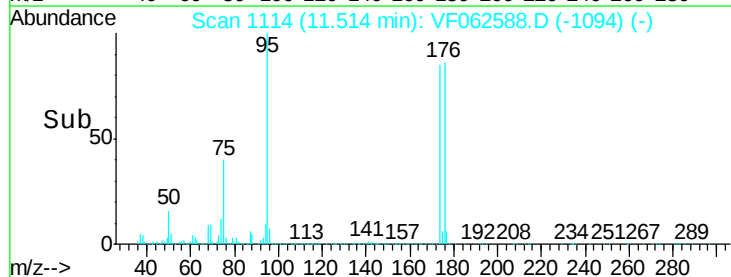
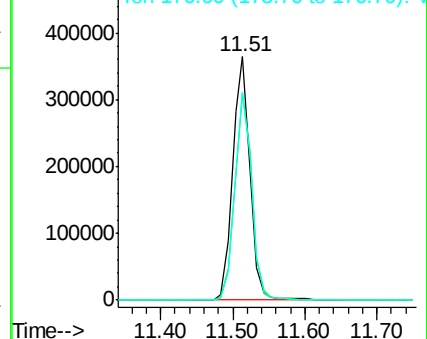
176 85.5 0.0 161.8

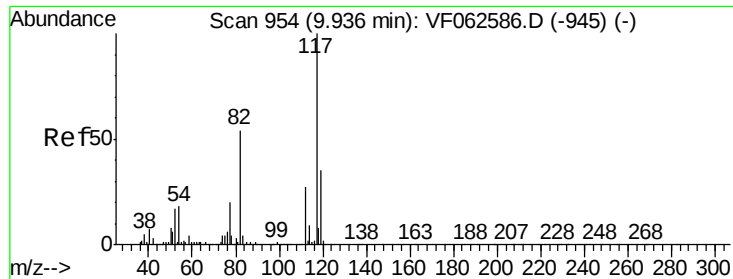


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

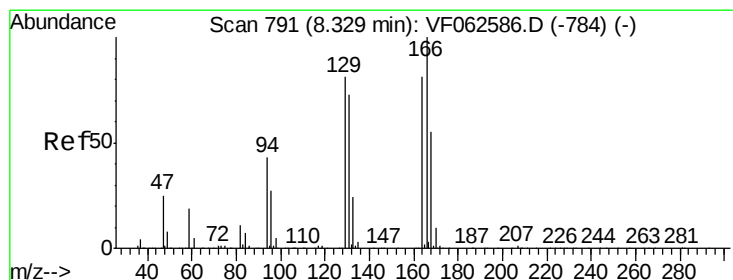
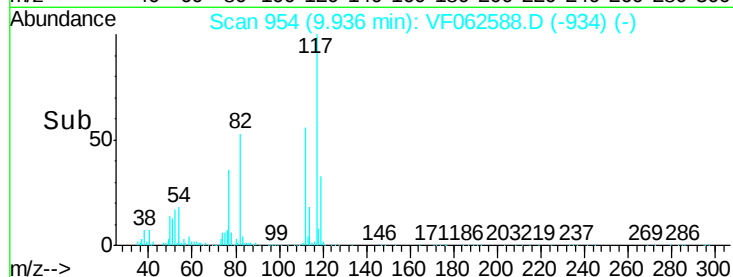
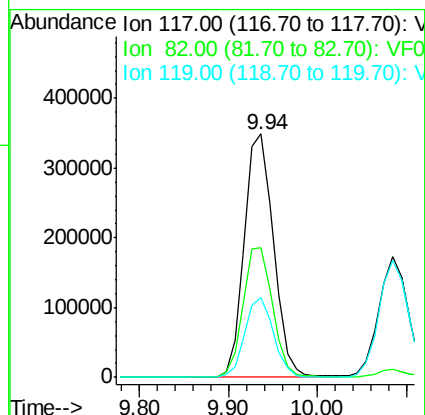
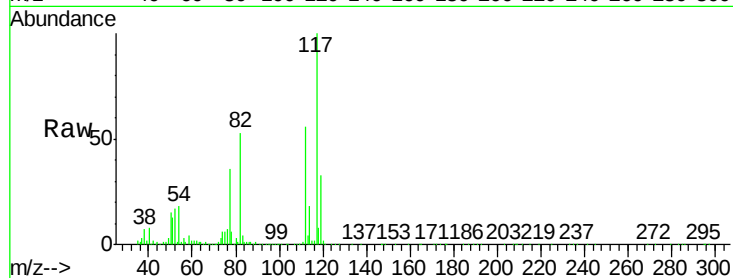




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.94 min Scan# 954
Delta R.T. 0.00 min
Lab File: VF062588.D
Acq: 14 May 2019 17:48

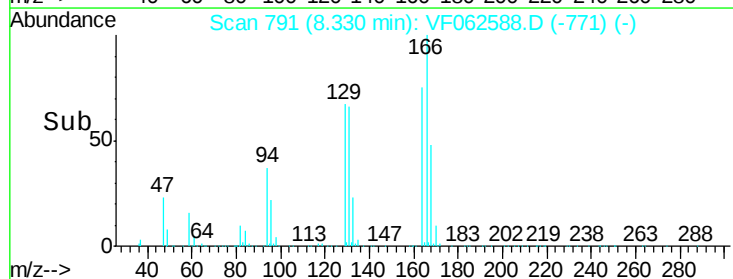
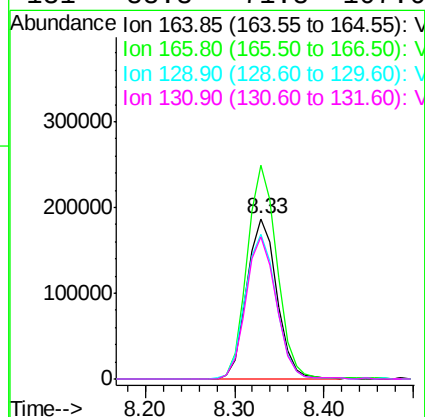
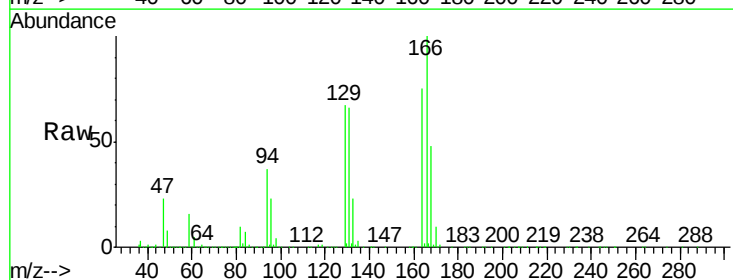
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

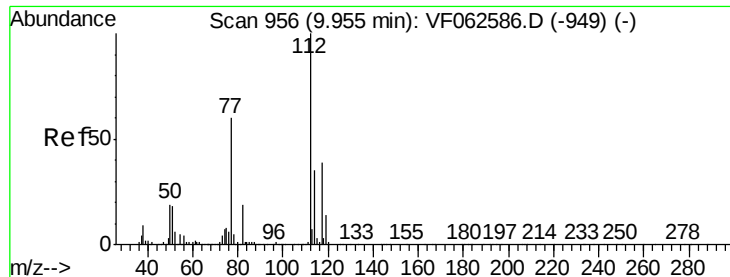
Tot Ion:117 Resp: 793885
Ion Ratio Lower Upper
117 100
82 53.4 43.4 65.0
119 33.0 27.7 41.5



#64
Tetrachloroethene
Concen: 75.819 ug/l
RT: 8.33 min Scan# 791
Delta R.T. 0.00 min
Lab File: VF062588.D
Acq: 14 May 2019 17:48

Tgt Ion:164 Resp: 438574
Ion Ratio Lower Upper
164 100
166 133.2 98.6 148.0
129 89.8 80.2 120.4
131 88.3 71.8 107.6

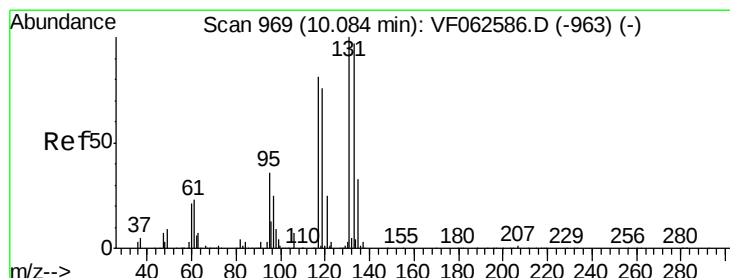
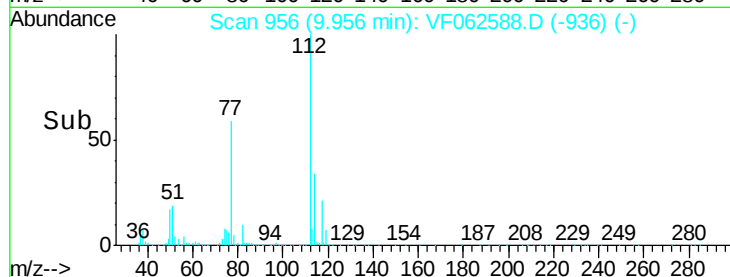
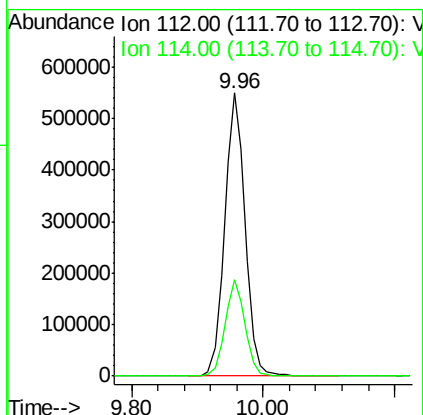
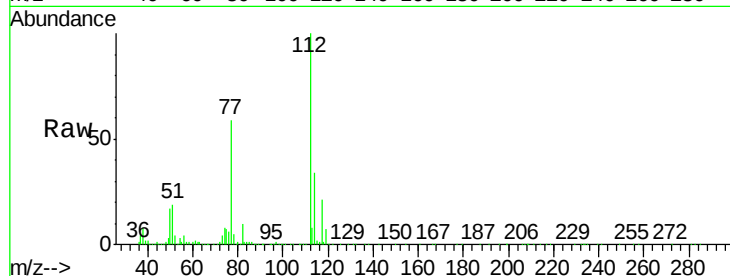




#65
Chlorobenzene
Concen: 78.140 ug/l
RT: 9.96 min Scan# 956
Delta R.T. 0.00 min
Lab File: VF062588.D
Acq: 14 May 2019 17:48

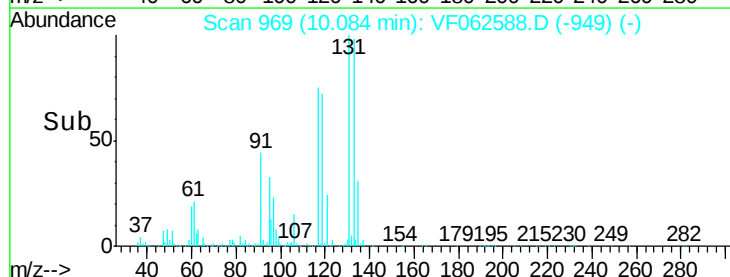
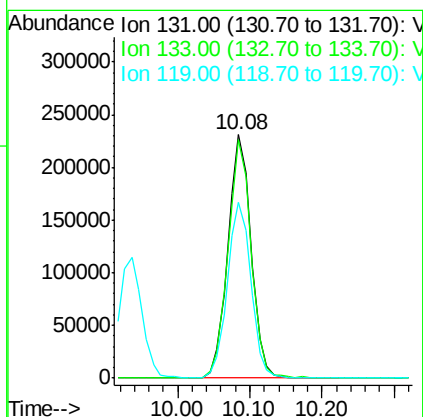
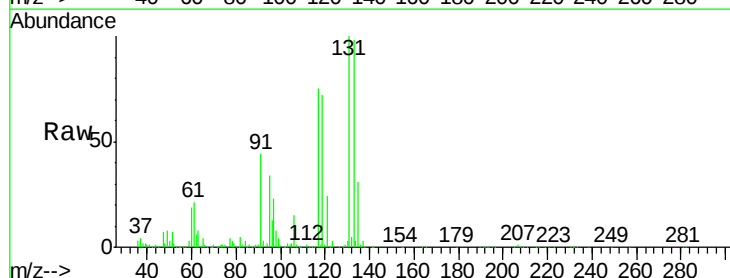
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

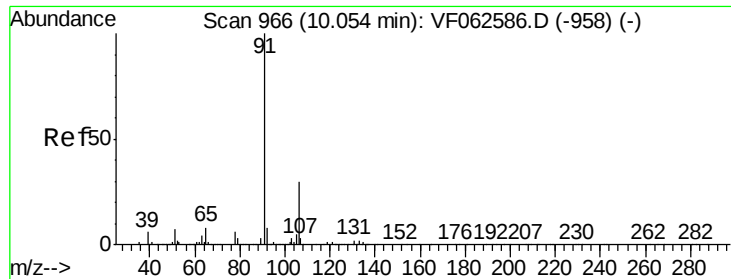
Tot Ion:112 Resp: 1192786
Ion Ratio Lower Upper
112 100
114 34.2 27.9 41.9



#66
1,1,1,2-Tetrachloroethane
Concen: 78.620 ug/l
RT: 10.08 min Scan# 969
Delta R.T. 0.00 min
Lab File: VF062588.D
Acq: 14 May 2019 17:48

Tgt Ion:131 Resp: 517952
Ion Ratio Lower Upper
131 100
133 97.9 48.4 145.3
119 72.2 38.5 115.5





#67

Ethyl Benzene

Concen: 68.944 ug/l

RT: 10.05 min Scan# 966

Delta R.T. 0.00 min

Lab File: VF062588.D

Acq: 14 May 2019 17:48

Instrument :

MSVOA_F

ClientSampleId :

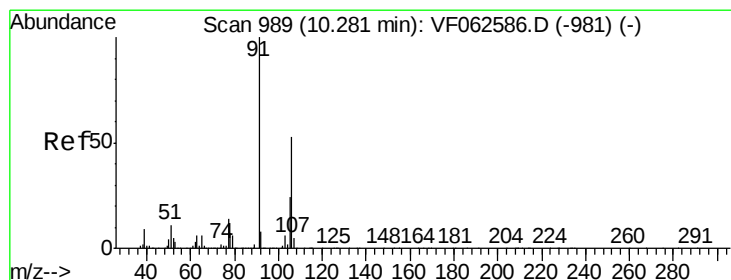
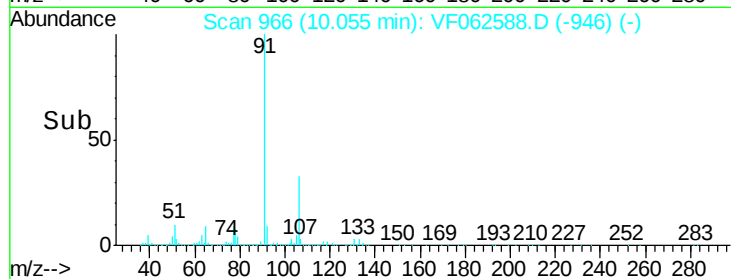
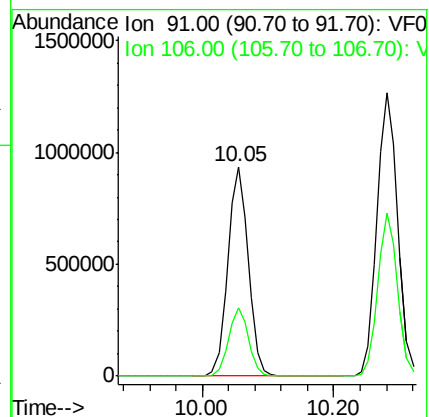
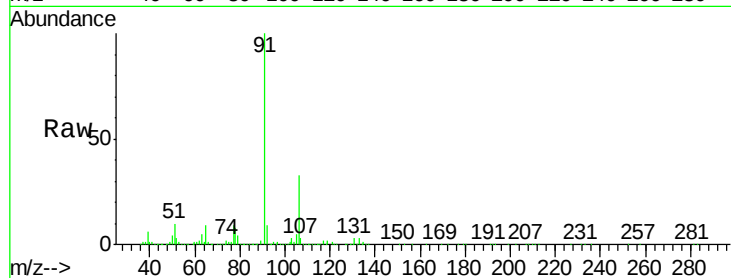
VSTDIC100

Tot Ion: 91 Resp: 2034306

Ion Ratio Lower Upper

91 100

106 32.7 24.2 36.4



#68

m/p-Xylenes

Concen: 144.924 ug/l

RT: 10.28 min Scan# 989

Delta R.T. 0.00 min

Lab File: VF062588.D

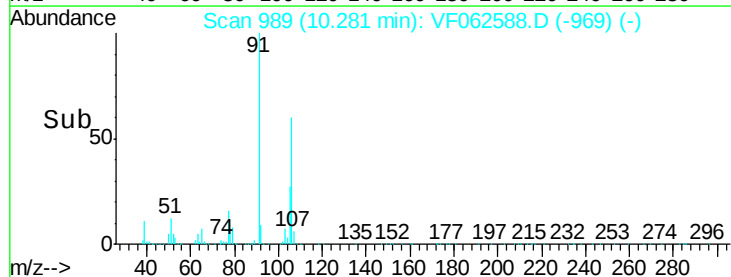
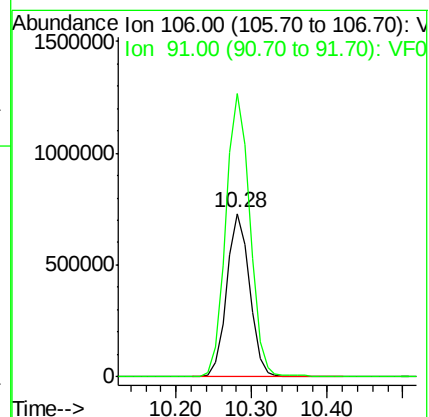
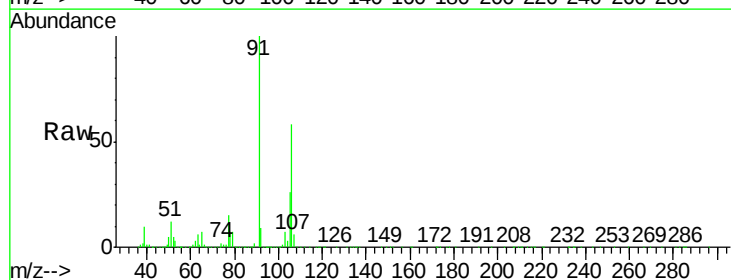
Acq: 14 May 2019 17:48

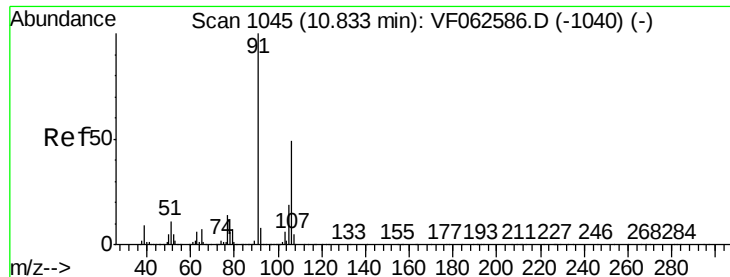
Tgt Ion: 106 Resp: 1532247

Ion Ratio Lower Upper

106 100

91 173.3 150.5 225.7

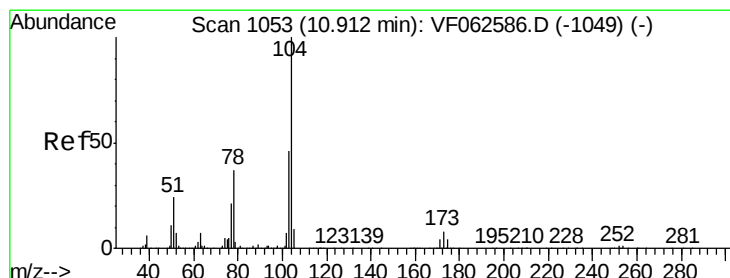
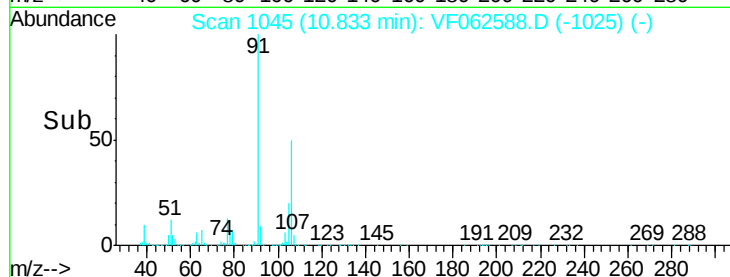
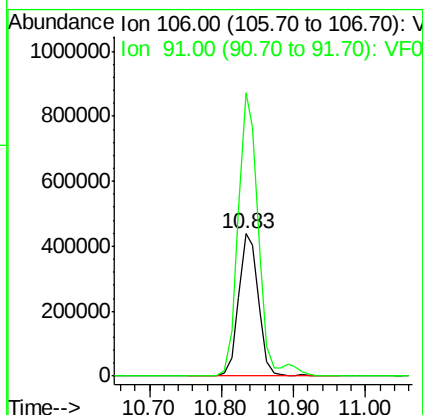
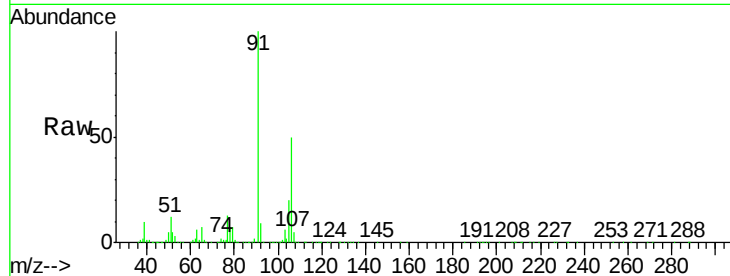




#69
o-Xylene
Concen: 78.521 ug/l
RT: 10.83 min Scan# 1045
Delta R.T. 0.00 min
Lab File: VF062588.D
Acq: 14 May 2019 17:48

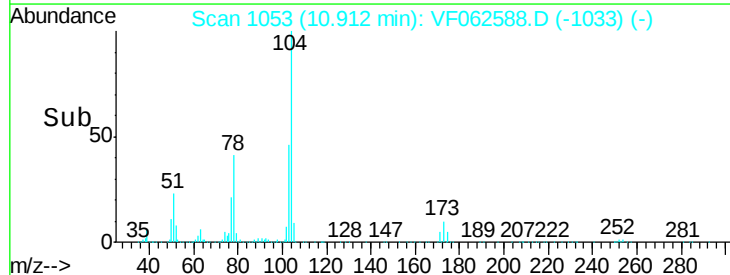
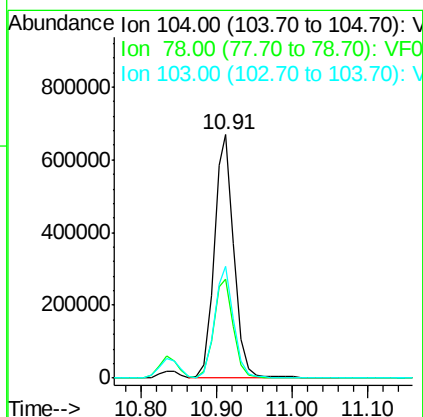
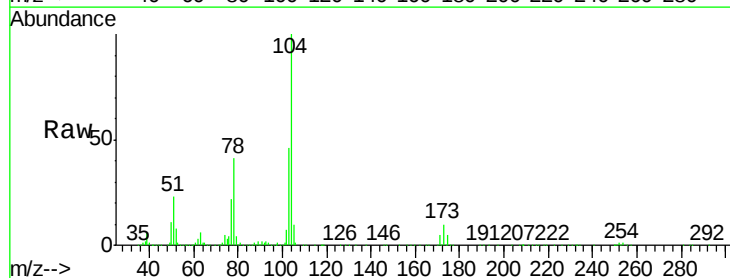
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

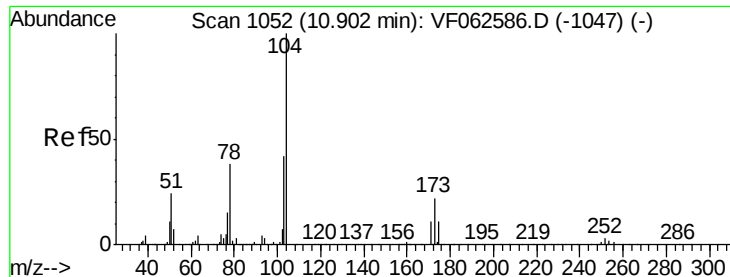
Tot Ion:106 Resp: 835075
Ion Ratio Lower Upper
106 100
91 198.8 102.0 305.9



#70
Styrene
Concen: 74.317 ug/l
RT: 10.91 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VF062588.D
Acq: 14 May 2019 17:48

Tgt Ion:104 Resp: 1209347
Ion Ratio Lower Upper
104 100
78 40.6 30.2 45.2
103 45.7 37.0 55.6





#71

Bromoform

Concen: 77.041 ug/l

RT: 10.90 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VF062588.D

Acq: 14 May 2019 17:48

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

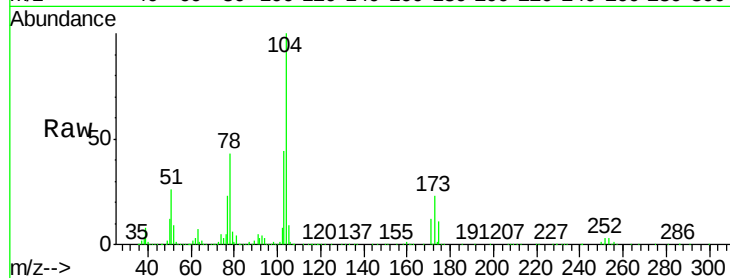
Tot Ion:173 Resp: 259284

Ion Ratio Lower Upper

173 100

175 46.9 24.1 72.3

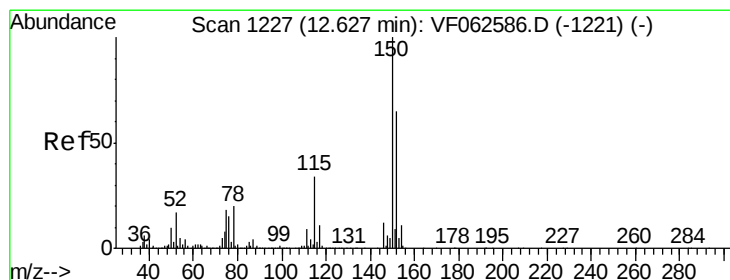
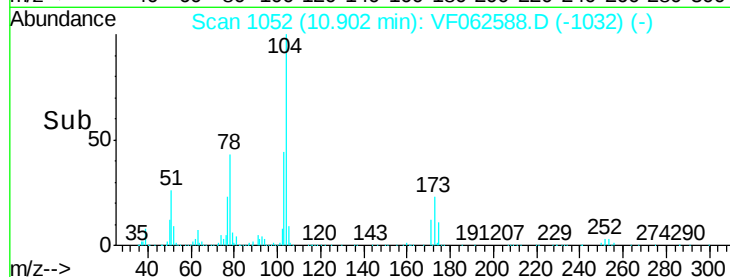
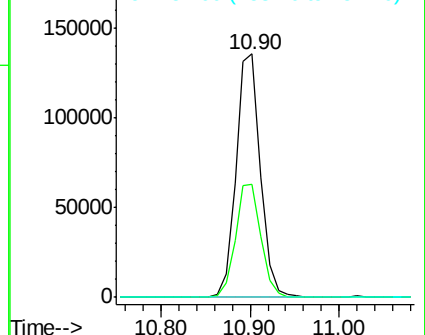
254 0.1 0.0 0.0#



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: 12.63 min Scan# 1227

Delta R.T. 0.00 min

Lab File: VF062588.D

Acq: 14 May 2019 17:48

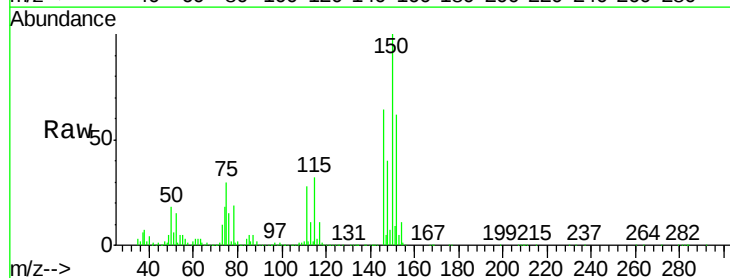
Tgt Ion:152 Resp: 389621

Ion Ratio Lower Upper

152 100

115 50.8 26.2 78.6

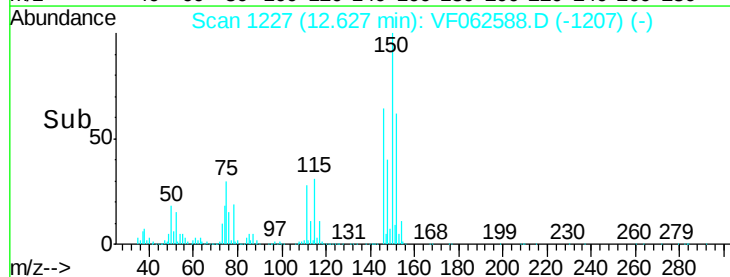
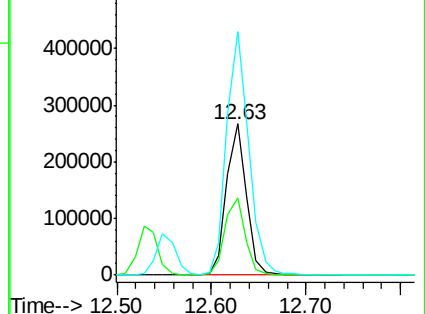
150 160.9 0.0 316.0

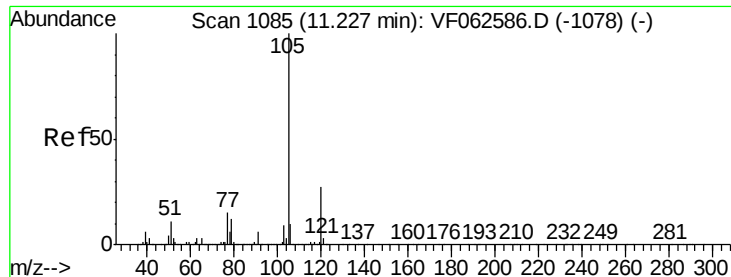


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 71.429 ug/l

RT: 11.23 min Scan# 1085

Delta R.T. 0.00 min

Lab File: VF062588.D

Acq: 14 May 2019 17:48

Instrument :

MSVOA_F

ClientSampleId :

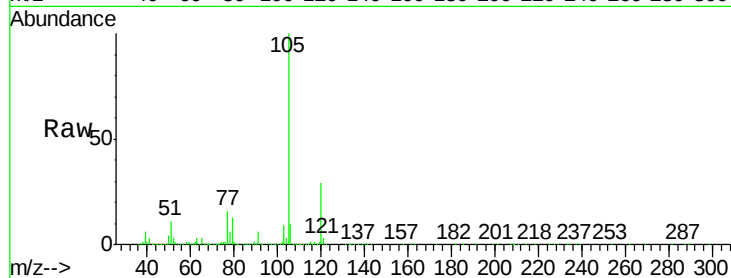
VSTDIC100

Tot Ion:105 Resp: 2246451

Ion Ratio Lower Upper

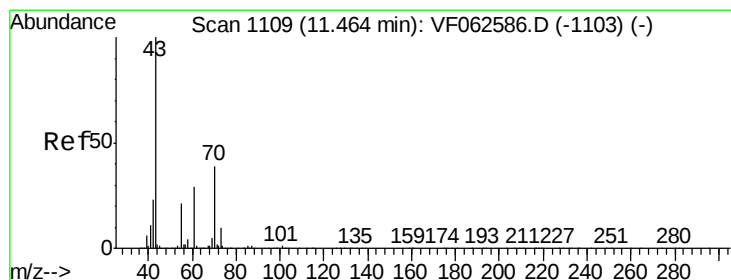
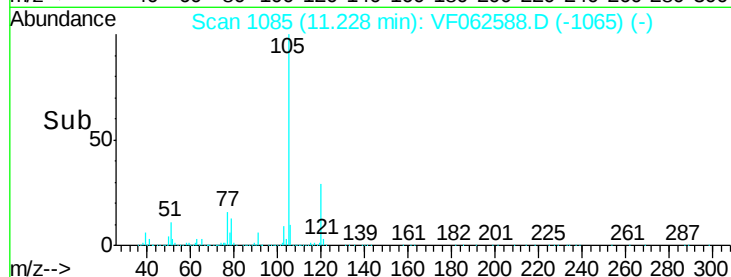
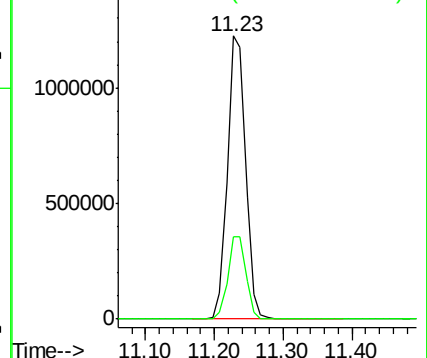
105 100

120 28.9 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 64.889 ug/l

RT: 11.46 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VF062588.D

Acq: 14 May 2019 17:48

Tgt Ion: 43 Resp: 546150

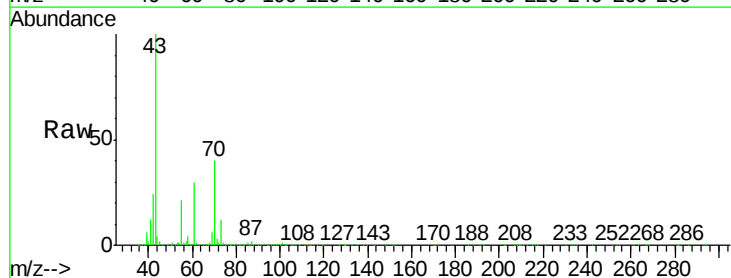
Ion Ratio Lower Upper

43 100

70 40.0 31.0 46.4

55 21.1 16.7 25.1

61 29.8 23.4 35.2

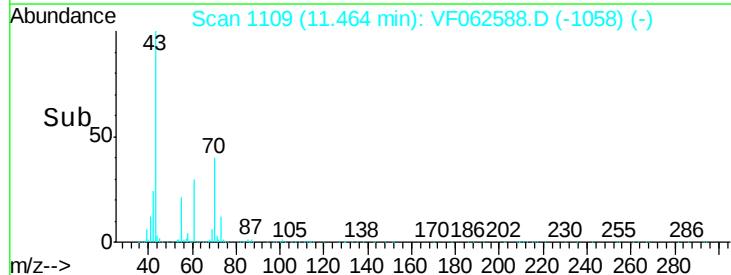
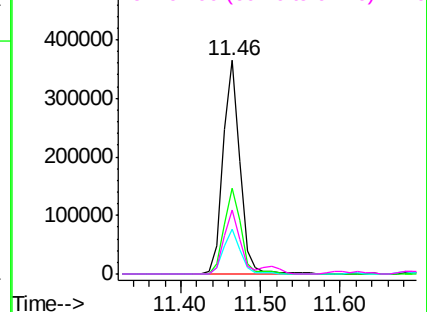


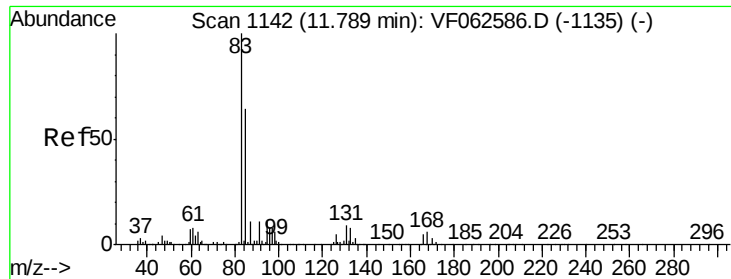
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 89.952 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VF062588.D

Acq: 14 May 2019 17:48

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

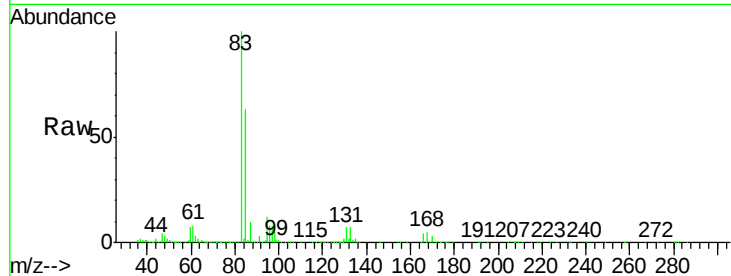
Tot Ion: 83 Resp: 462021

Ion Ratio Lower Upper

83 100

131 7.2 4.6 13.8

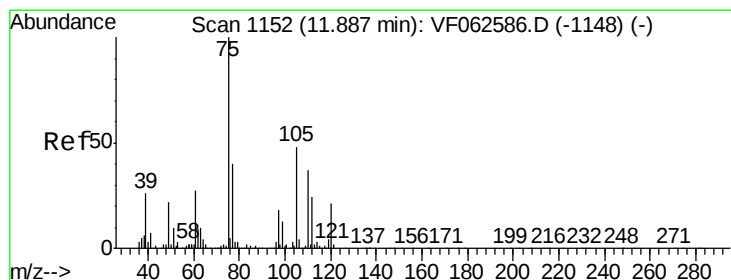
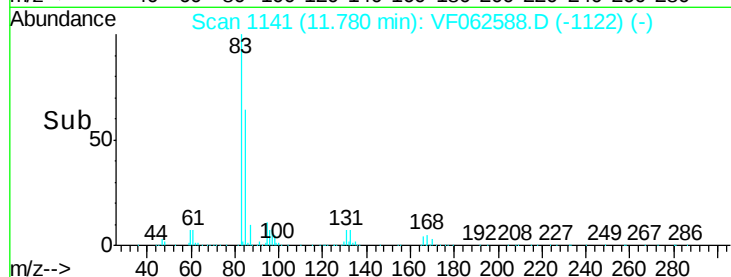
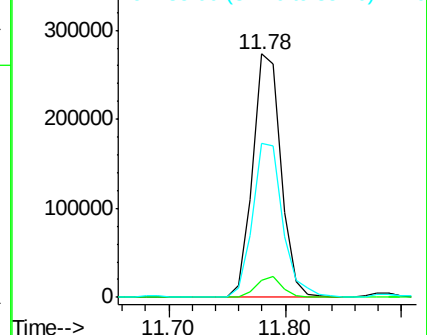
85 63.4 32.1 96.3



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): VF0

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 71.492 ug/l

RT: 11.89 min Scan# 1152

Delta R.T. 0.00 min

Lab File: VF062588.D

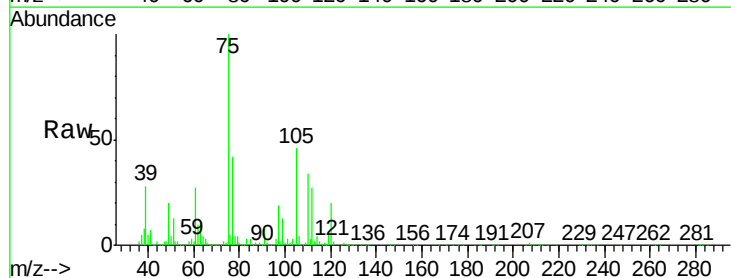
Acq: 14 May 2019 17:48

Tgt Ion: 75 Resp: 275609

Ion Ratio Lower Upper

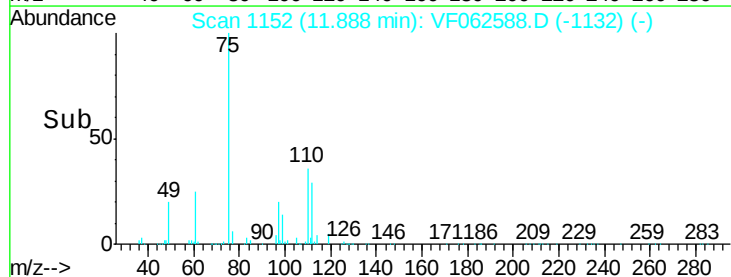
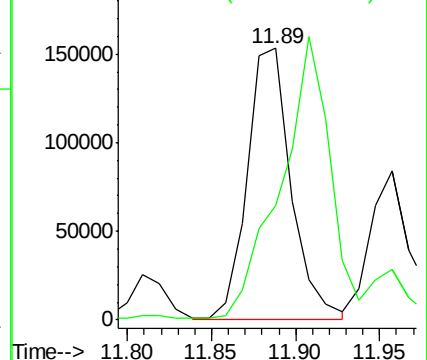
75 100

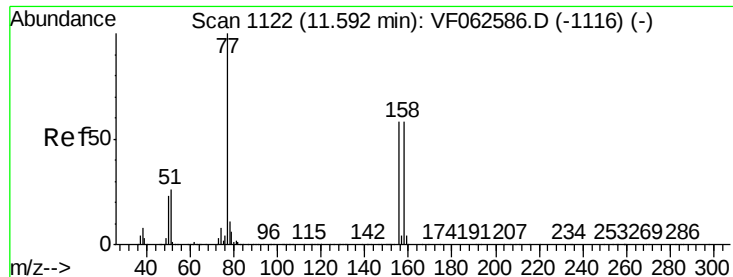
77 42.3 20.4 61.3



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 77.818 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. 0.00 min

Lab File: VF062588.D

Acq: 14 May 2019 17:48

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

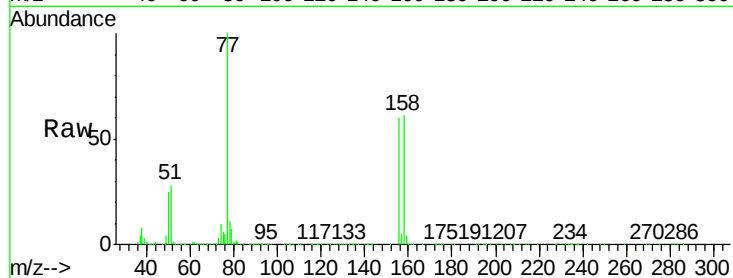
Tot Ion:156 Resp: 518206

Ion Ratio Lower Upper

156 100

77 166.4 86.5 259.5

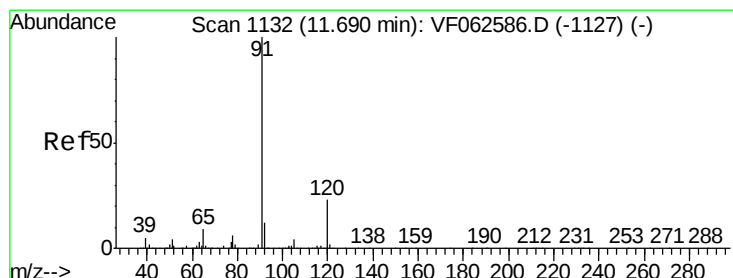
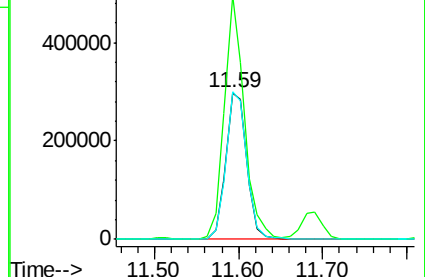
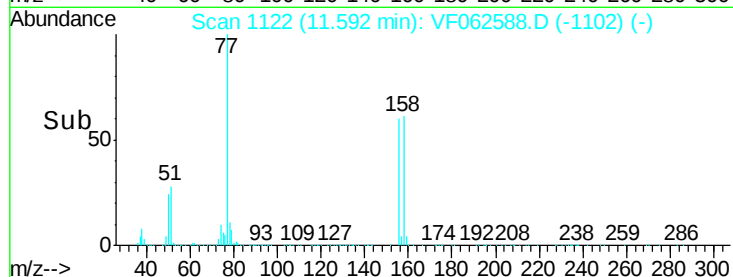
158 101.3 50.3 150.9



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 67.239 ug/l

RT: 11.69 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VF062588.D

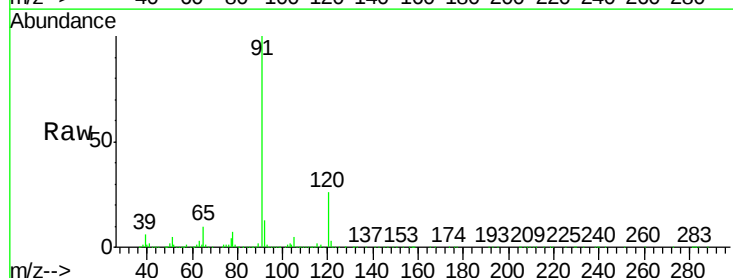
Acq: 14 May 2019 17:48

Tgt Ion: 91 Resp: 2460887

Ion Ratio Lower Upper

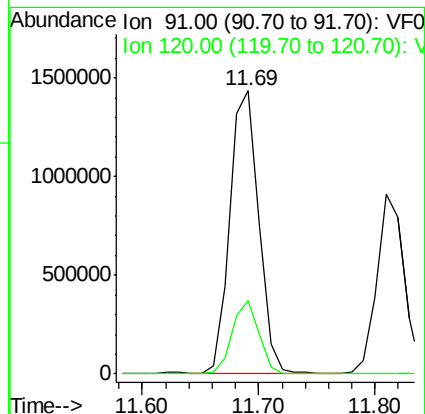
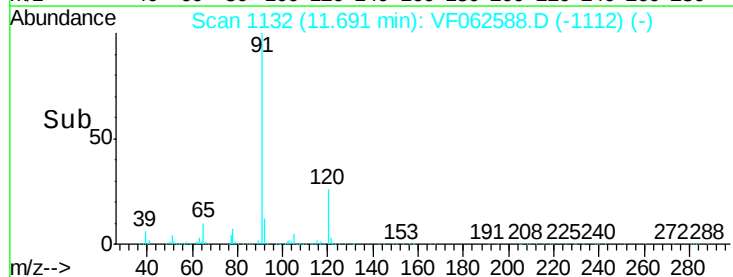
91 100

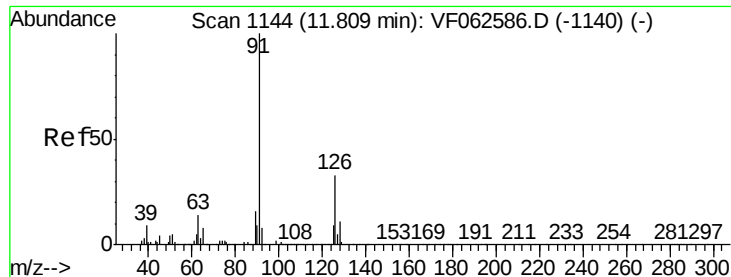
120 25.8 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 70.070 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. 0.00 min

Lab File: VF062588.D

Acq: 14 May 2019 17:48

Instrument :

MSVOA_F

ClientSampleId :

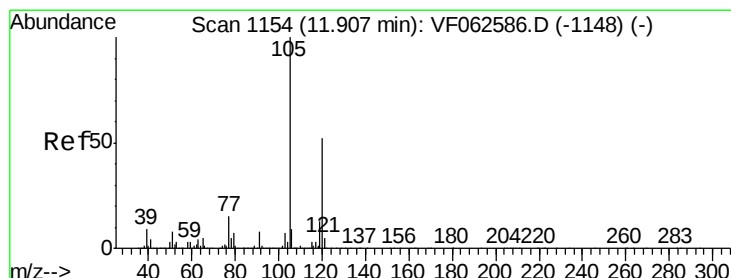
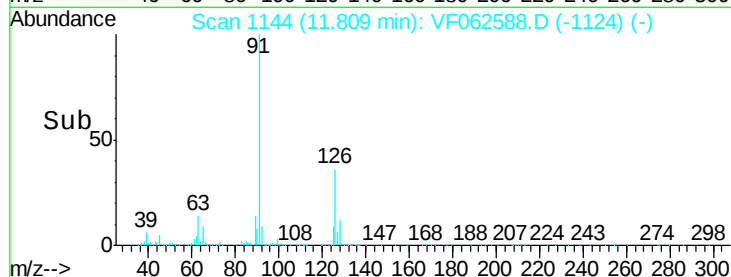
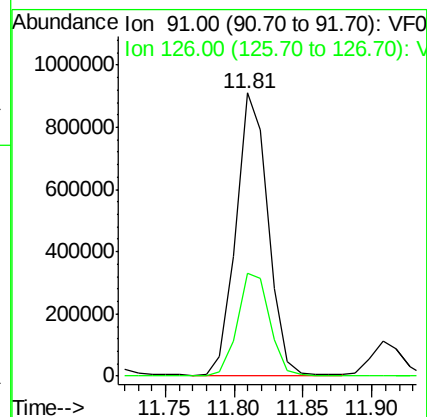
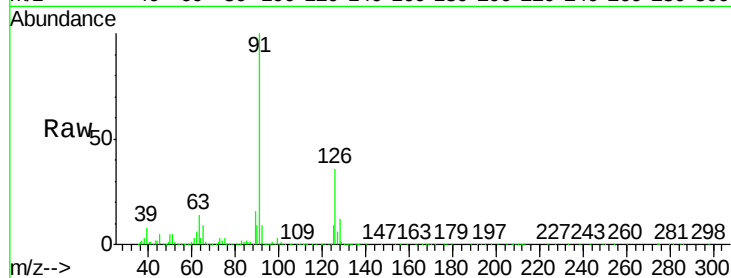
VSTDIC100

Tot Ion: 91 Resp: 1464869

Ion Ratio Lower Upper

91 100

126 36.4 16.6 49.8



#80

1,3,5-Trimethylbenzene

Concen: 65.082 ug/l

RT: 11.91 min Scan# 1154

Delta R.T. 0.00 min

Lab File: VF062588.D

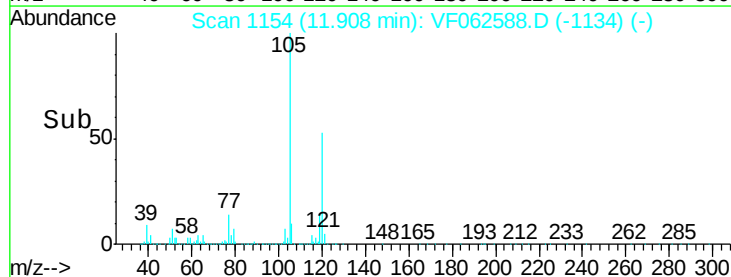
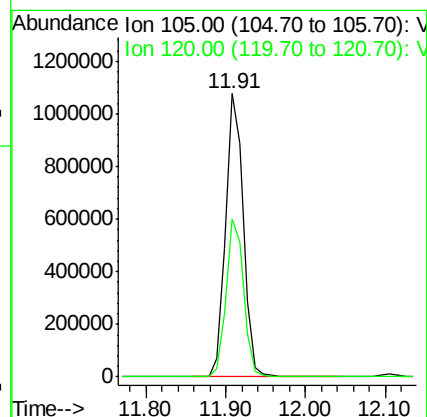
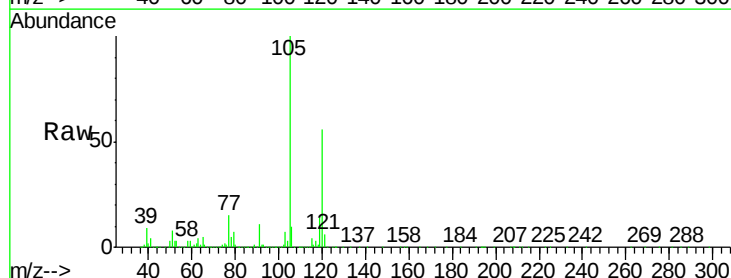
Acq: 14 May 2019 17:48

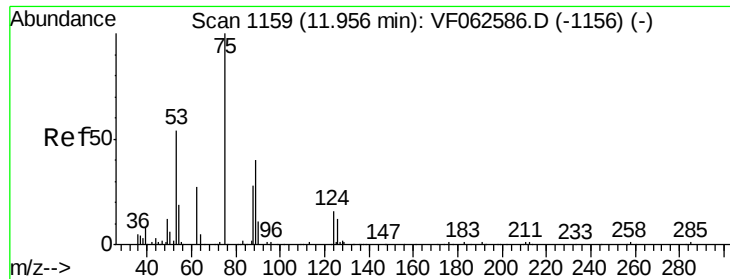
Tgt Ion:105 Resp: 1705644

Ion Ratio Lower Upper

105 100

120 55.9 25.9 77.6





#81

trans-1,4-Dichloro-2-butene

Concen: 86.622 ug/l m

RT: 11.96 min Scan# 1159

Delta R.T. 0.00 min

Lab File: VF062588.D

Acq: 14 May 2019 17:48

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

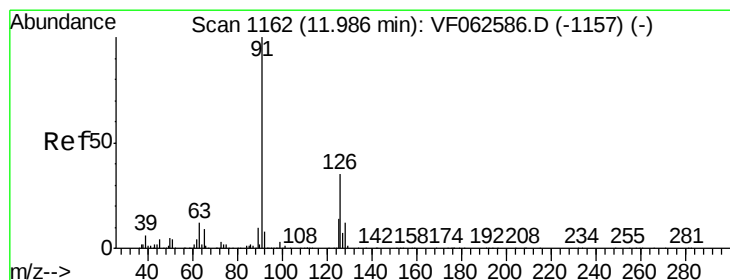
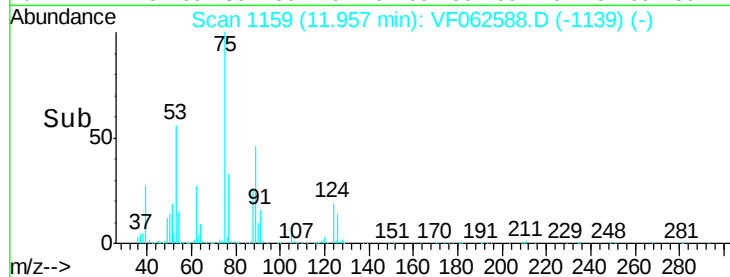
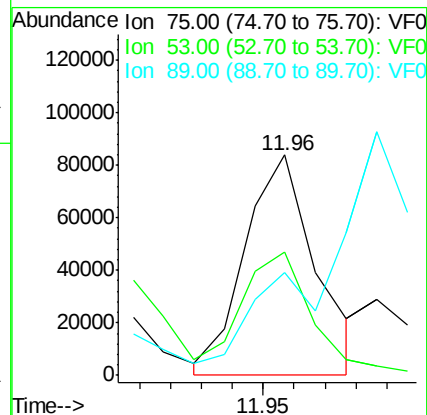
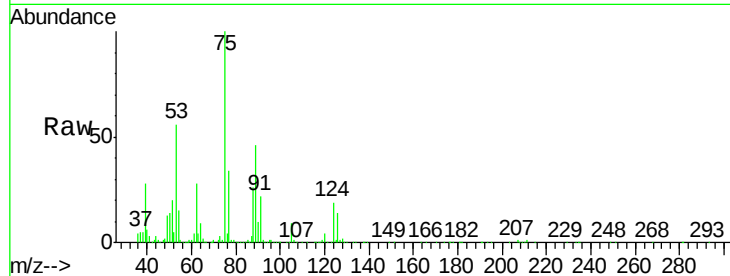
Tot Ion: 75 Resp: 134309

Ion Ratio Lower Upper

75 100

53 56.1 46.6 70.0

89 46.4 33.8 50.8



#82

4-Chlorotoluene

Concen: 67.272 ug/l

RT: 11.99 min Scan# 1162

Delta R.T. 0.00 min

Lab File: VF062588.D

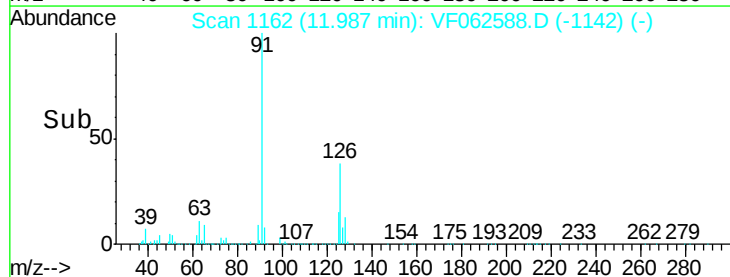
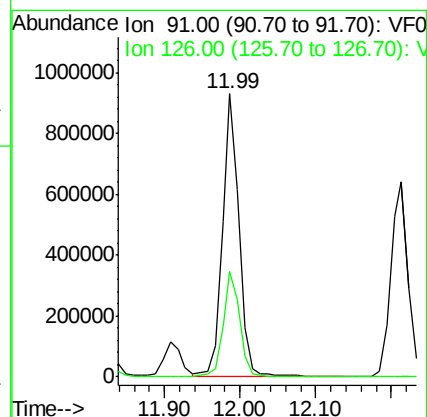
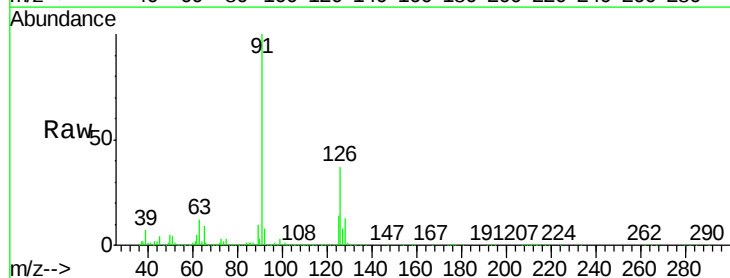
Acq: 14 May 2019 17:48

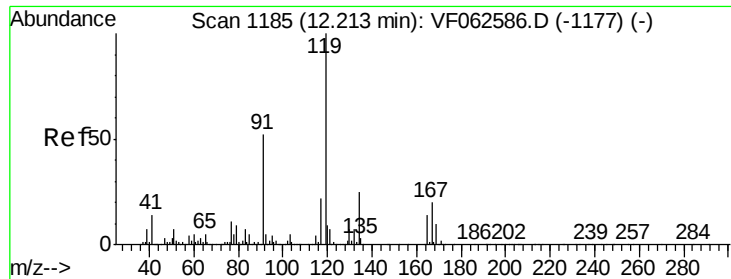
Tgt Ion: 91 Resp: 1421752

Ion Ratio Lower Upper

91 100

126 37.4 17.5 52.5

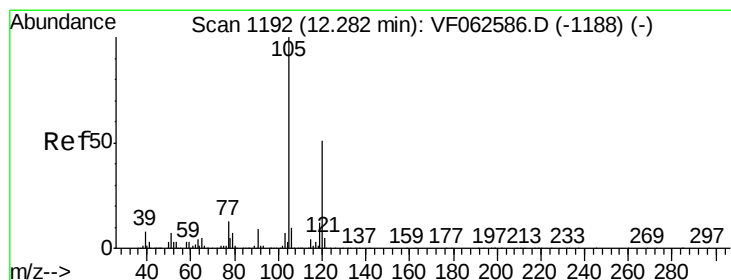
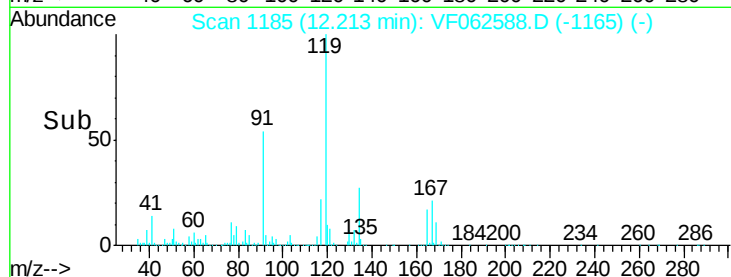
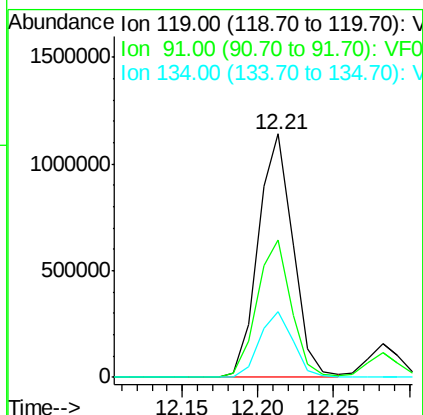
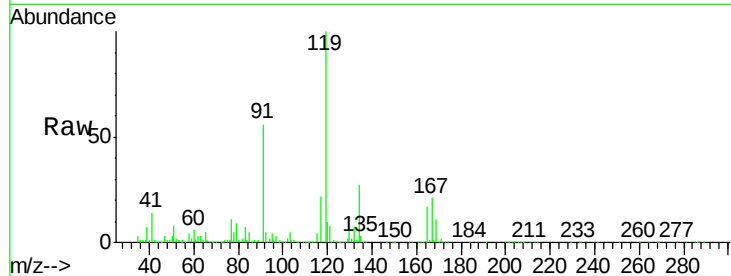




#83
tert-Butylbenzene
Concen: 69.128 ug/l
RT: 12.21 min Scan# 1185
Delta R.T. 0.00 min
Lab File: VF062588.D
Acq: 14 May 2019 17:48

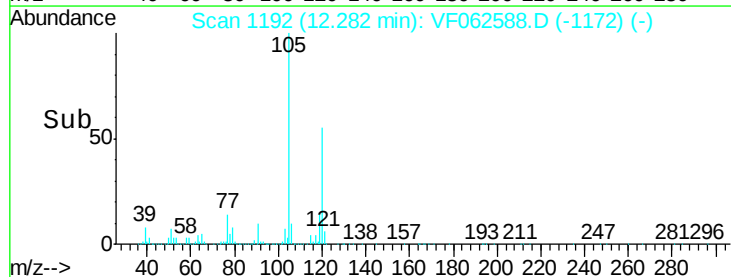
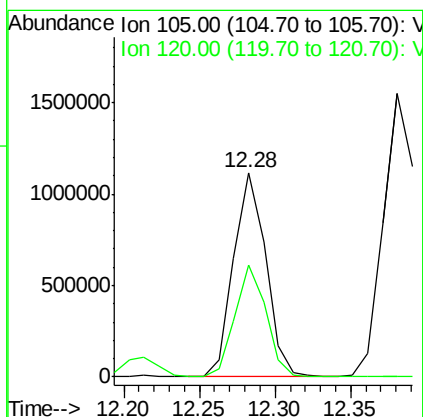
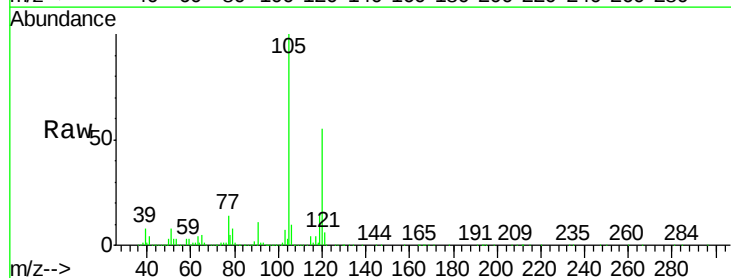
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

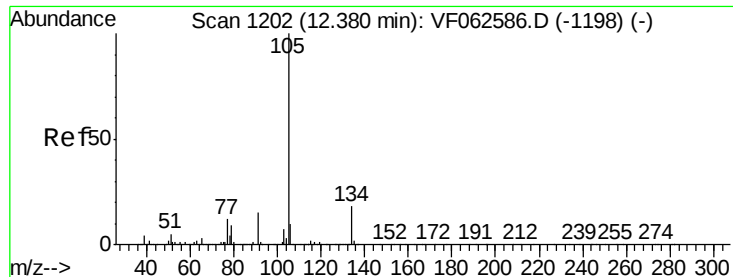
Tot Ion:119 Resp: 1834143
Ion Ratio Lower Upper
119 100
91 56.2 26.0 78.0
134 27.2 12.6 37.8



#84
1,2,4-Trimethylbenzene
Concen: 63.569 ug/l
RT: 12.28 min Scan# 1192
Delta R.T. 0.00 min
Lab File: VF062588.D
Acq: 14 May 2019 17:48

Tgt Ion:105 Resp: 1659486
Ion Ratio Lower Upper
105 100
120 55.1 25.4 76.0





#85

sec-Butylbenzene

Concen: 70.906 ug/l

RT: 12.38 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VF062588.D

Acq: 14 May 2019 17:48

Instrument :

MSVOA_F

ClientSampleId :

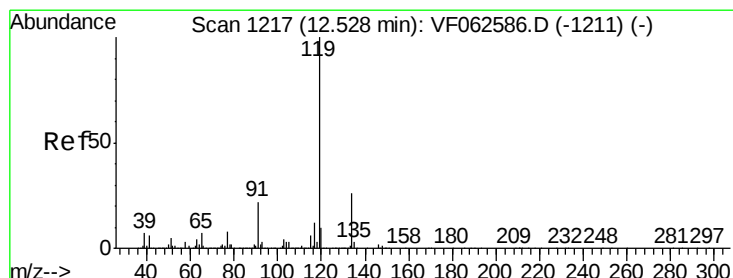
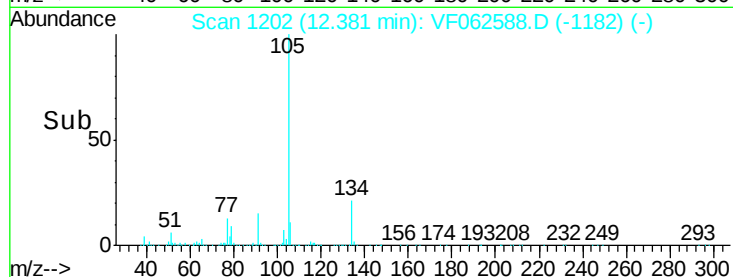
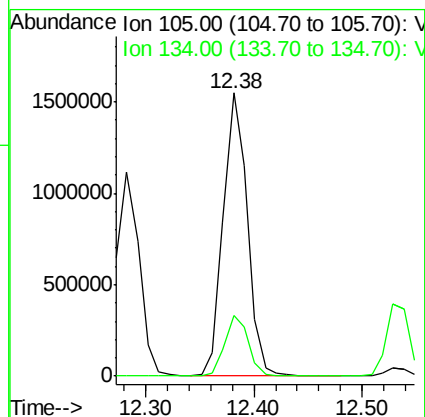
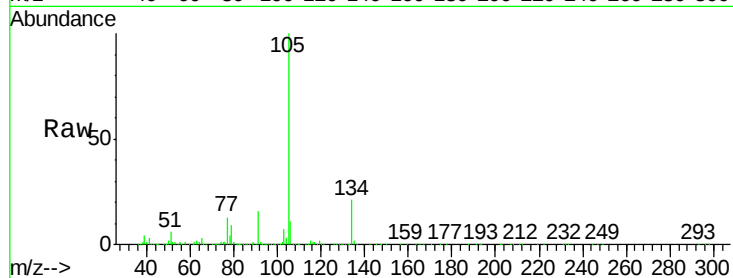
VSTDIC100

Tot Ion:105 Resp: 2396837

Ion Ratio Lower Upper

105 100

134 21.3 9.3 27.7



#86

p-Isopropyltoluene

Concen: 67.026 ug/l

RT: 12.53 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VF062588.D

Acq: 14 May 2019 17:48

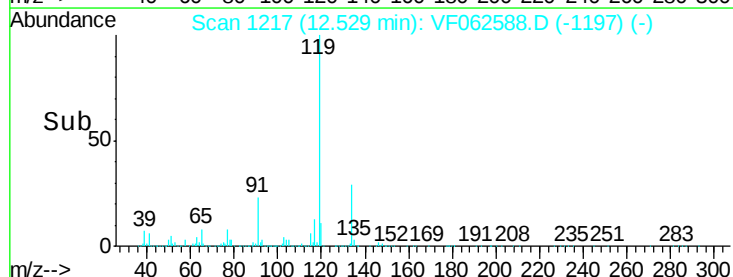
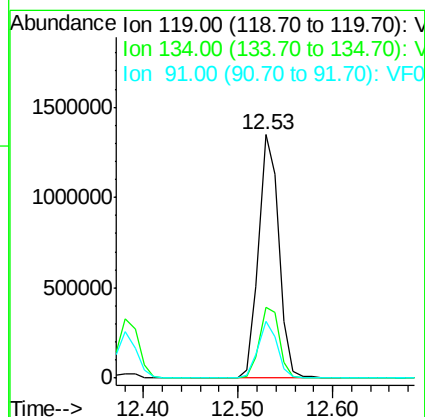
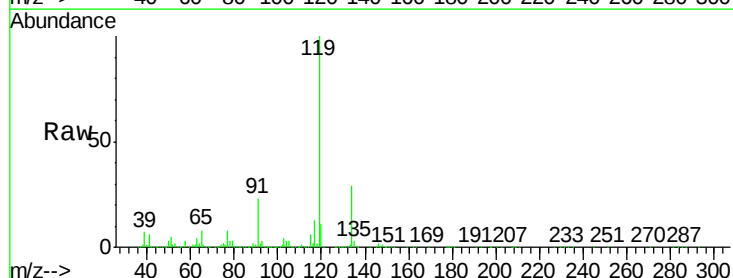
Tgt Ion:119 Resp: 2012875

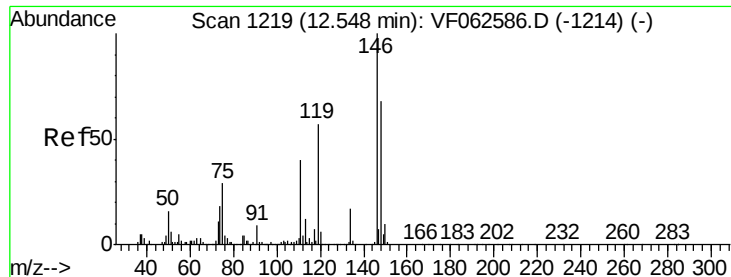
Ion Ratio Lower Upper

119 100

134 29.1 13.0 39.0

91 23.3 10.9 32.9





#87

1,3-Dichlorobenzene

Concen: 75.549 ug/l

RT: 12.55 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VF062588.D

Acq: 14 May 2019 17:48

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

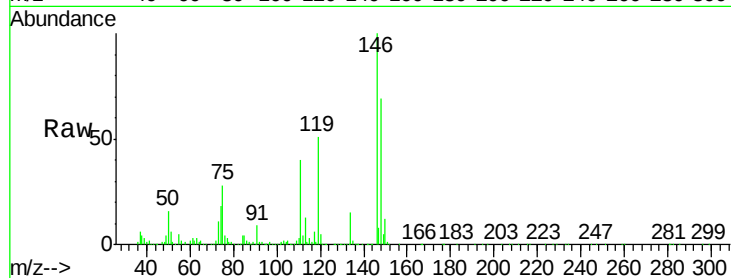
Tot Ion:146 Resp: 952433

Ion Ratio Lower Upper

146 100

111 39.6 20.1 60.2

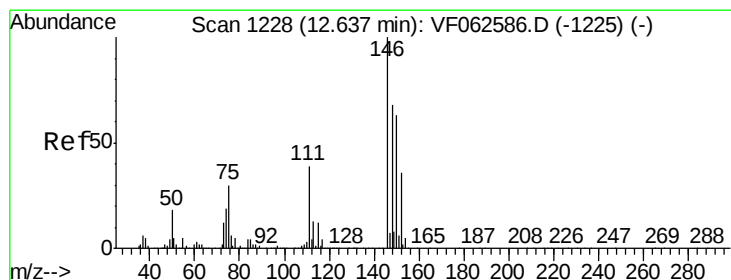
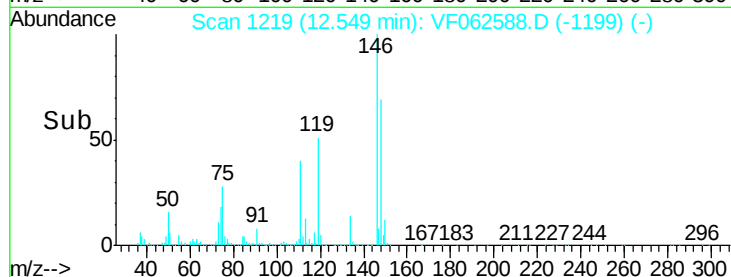
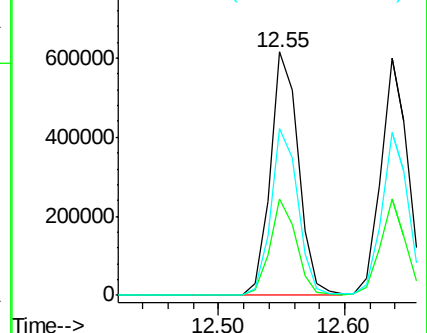
148 68.8 34.0 101.8



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,4-Dichlorobenzene

Concen: 70.799 ug/l

RT: 12.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VF062588.D

Acq: 14 May 2019 17:48

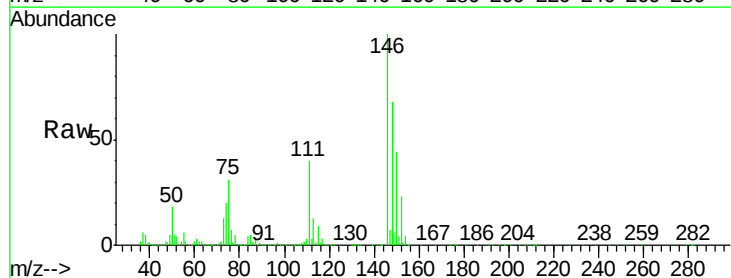
Tgt Ion:146 Resp: 904673

Ion Ratio Lower Upper

146 100

111 40.3 19.4 58.1

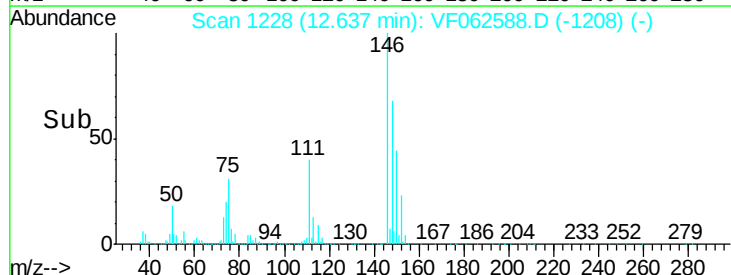
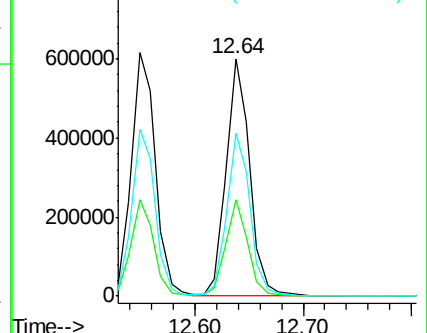
148 68.3 34.2 102.5

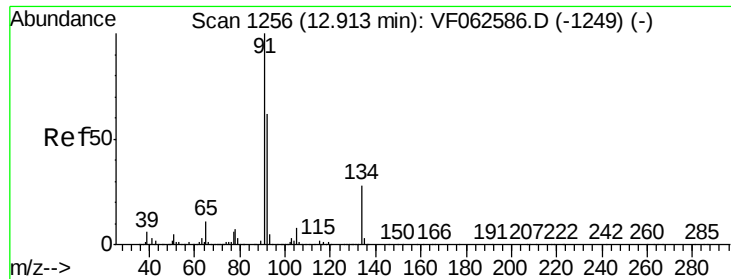


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#89

n-Butylbenzene

Concen: 65.383 ug/l

RT: 12.91 min Scan# 1256

Delta R.T. 0.00 min

Lab File: VF062588.D

Acq: 14 May 2019 17:48

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

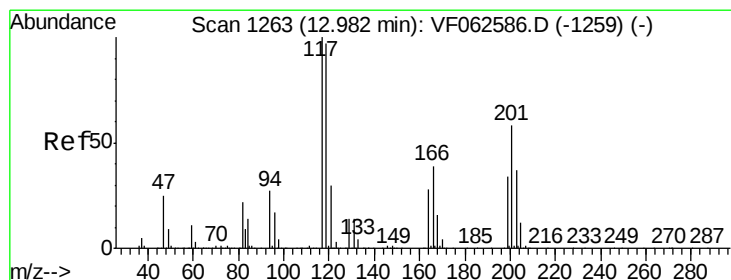
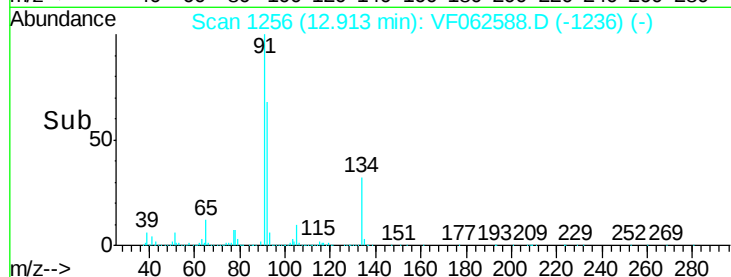
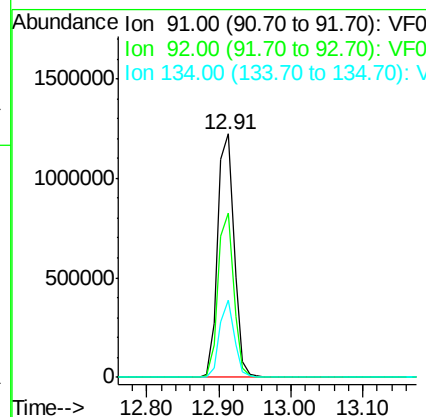
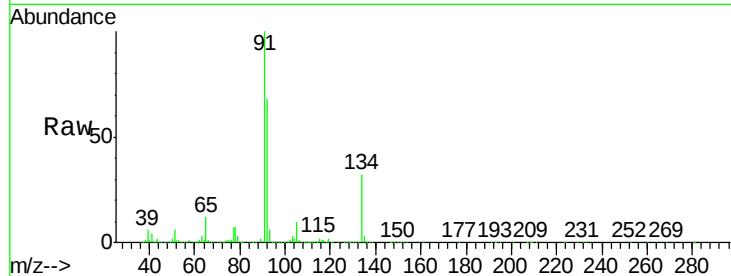
Tot Ion: 91 Resp: 1909513

Ion	Ratio	Lower	Upper
91	100		
92	67.5	30.9	92.8
134	31.7	13.9	41.6

91 100

92 67.5 30.9 92.8

134 31.7 13.9 41.6



#90

Hexachloroethane

Concen: 76.198 ug/l

RT: 12.98 min Scan# 1263

Delta R.T. 0.00 min

Lab File: VF062588.D

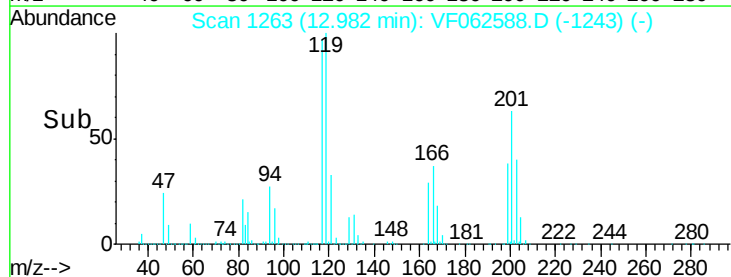
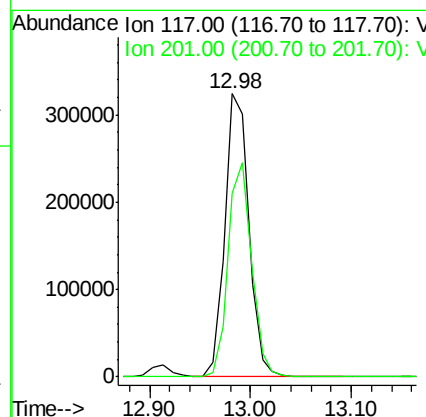
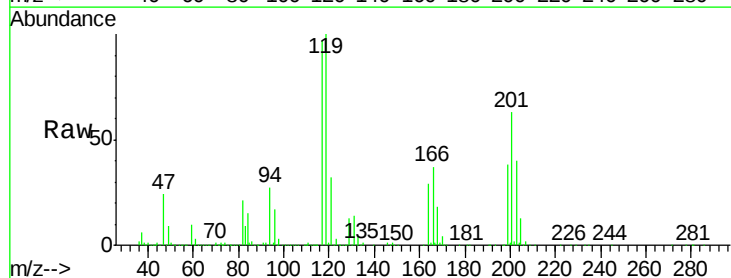
Acq: 14 May 2019 17:48

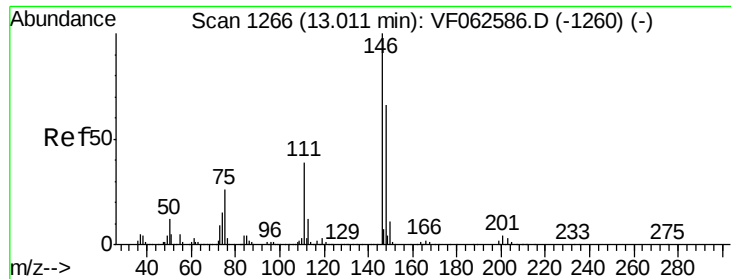
Tgt Ion: 117 Resp: 537554

Ion	Ratio	Lower	Upper
117	100		
201	64.8	29.7	89.1

117 100

201 64.8 29.7 89.1

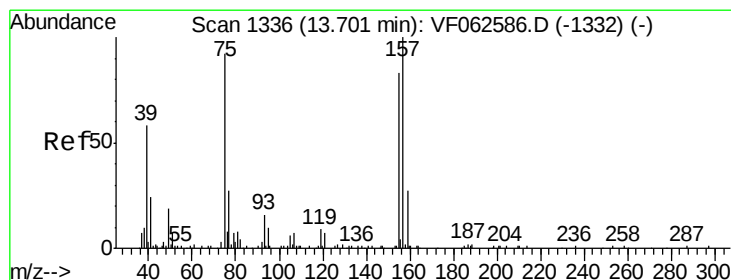
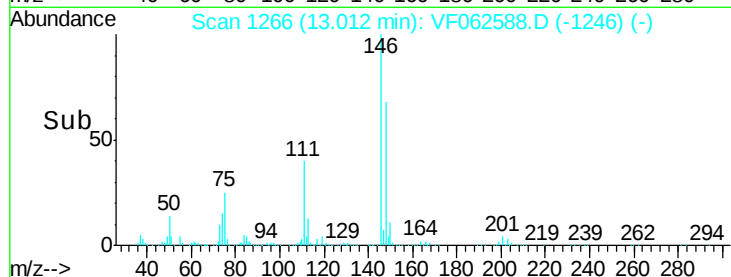
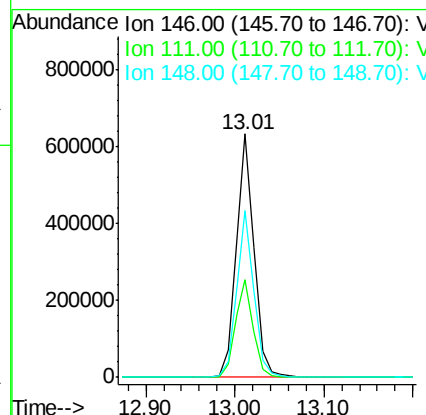
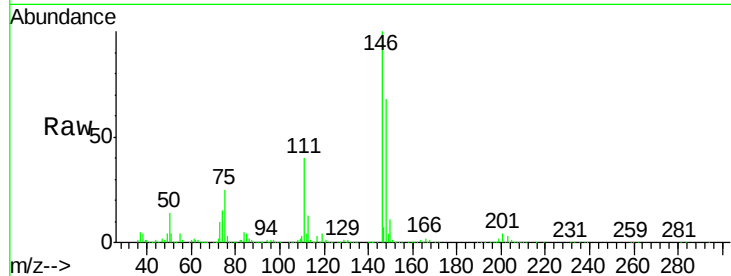




#91
 1,2-Dichlorobenzene
 Concen: 74.859 ug/l
 RT: 13.01 min Scan# 1266
 Delta R.T. 0.00 min
 Lab File: VF062588.D
 Acq: 14 May 2019 17:48

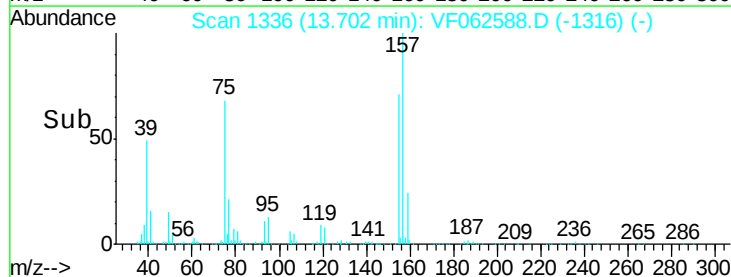
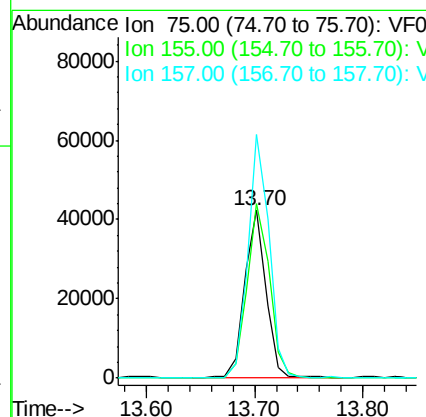
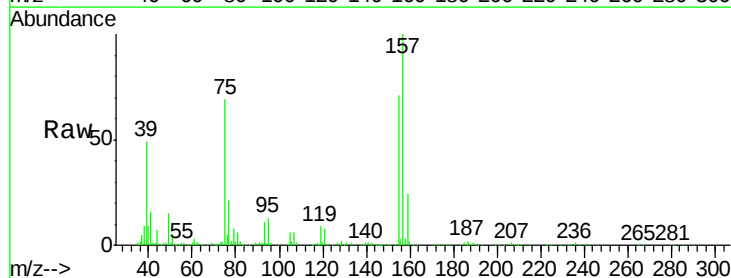
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

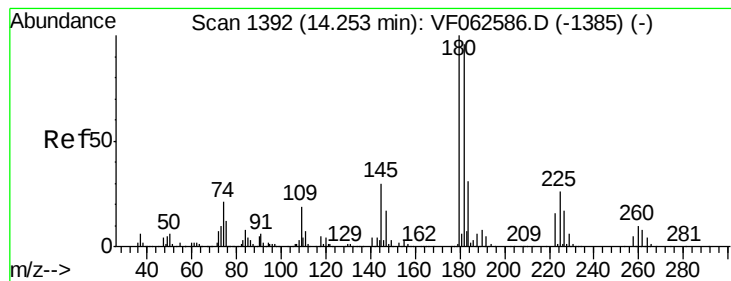
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.9	19.4	58.2
148	68.3	33.1	99.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.745 ug/l
 RT: 13.70 min Scan# 1336
 Delta R.T. 0.00 min
 Lab File: VF062588.D
 Acq: 14 May 2019 17:48

Tgt Ion	Ratio	Lower	Upper
75	100		
155	103.8	44.8	134.4
157	145.3	54.1	162.3





#93

1,2,4-Trichlorobenzene

Concen: 73.792 ug/l

RT: 14.25 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VF062588.D

Acq: 14 May 2019 17:48

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

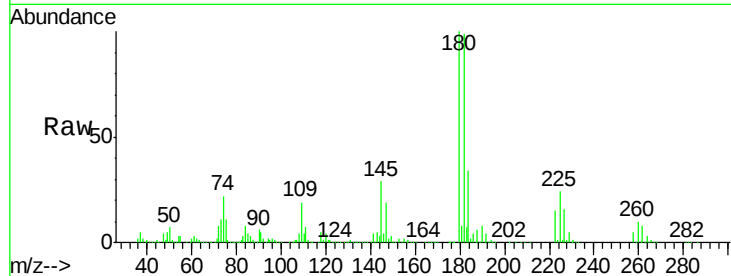
Tot Ion:180 Resp: 642861

Ion Ratio Lower Upper

180 100

182 99.1 47.9 143.8

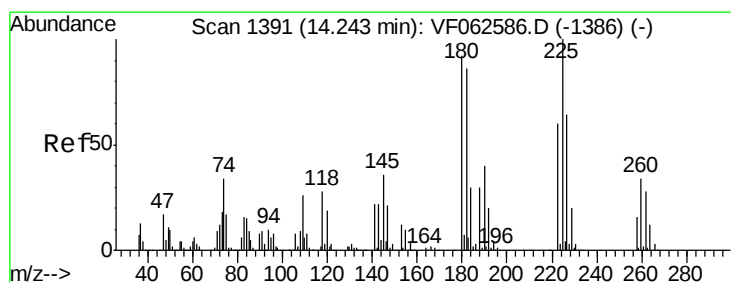
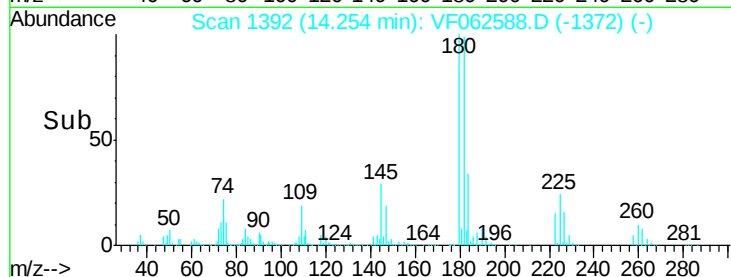
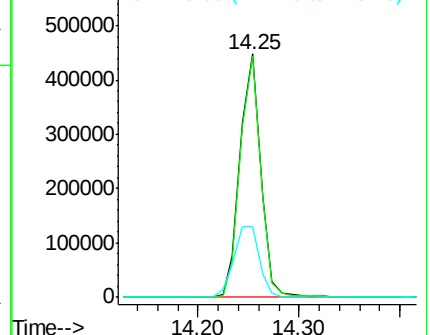
145 29.3 14.8 44.4



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#94

Hexachlorobutadiene

Concen: 83.447 ug/l

RT: 14.24 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VF062588.D

Acq: 14 May 2019 17:48

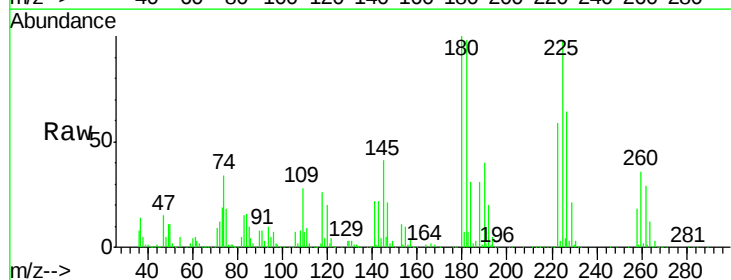
Tgt Ion:225 Resp: 471839

Ion Ratio Lower Upper

225 100

223 60.5 29.9 89.7

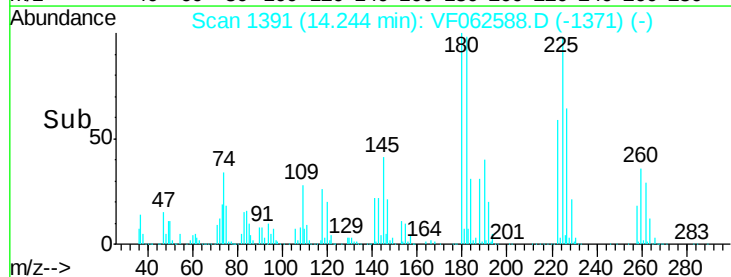
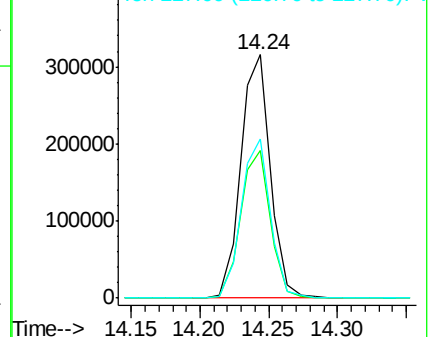
227 65.4 31.9 95.9

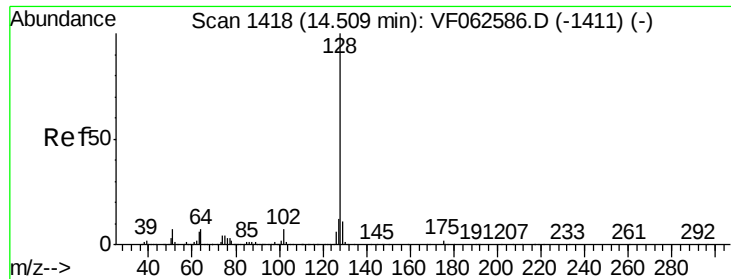


Abundance Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V

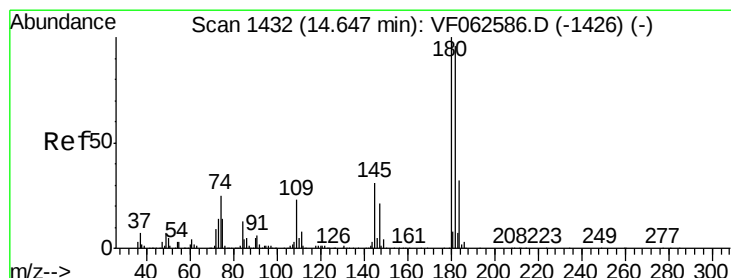
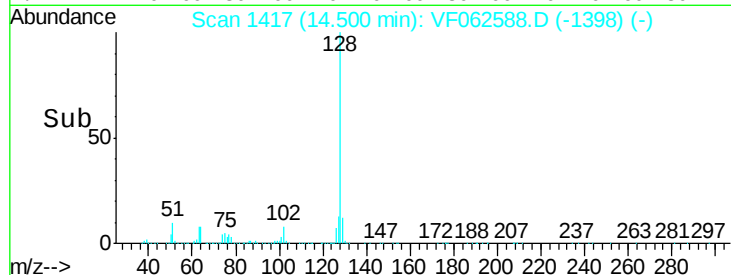
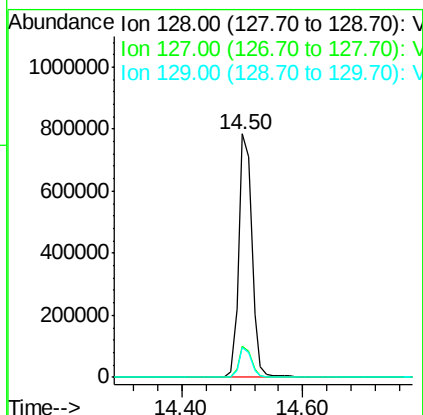
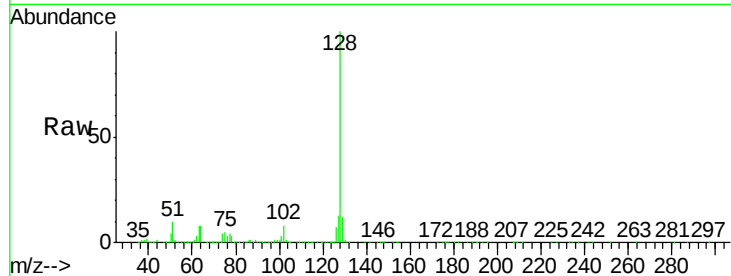




#95
Naphthalene
Concen: 83.417 ug/l
RT: 14.50 min Scan# 1417
Delta R.T. -0.01 min
Lab File: VF062588.D
Acq: 14 May 2019 17:48

Instrument :
MSVOA_F
ClientSampleId :
VSTDICC100

Tot Ion:128 Resp: 1190818
Ion Ratio Lower Upper
128 100
127 12.5 9.5 14.3
129 12.1 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 81.948 ug/l
RT: 14.65 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VF062588.D
Acq: 14 May 2019 17:48

Tgt Ion:180 Resp: 622845
Ion Ratio Lower Upper
180 100
182 98.8 48.1 144.3
145 31.3 15.6 46.7

