

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051419\
 Data File : VF062586.D
 Acq On : 14 May 2019 16:52
 Operator : FY/SY
 Sample : VSTDICCC050
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Quant Time: May 15 04:38:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F051419S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 15 04:31:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.09	168	582315	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.81	114	989696	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.94	117	718548	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	367967	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.07	65	215789	34.21	ug/l	0.00
Spiked Amount			Recovery	=	68.42%	
35) Dibromofluoromethane	4.34	113	363320	49.29	ug/l	0.00
Spiked Amount			Recovery	=	98.58%	
50) Toluene-d8	7.74	98	876585	42.27	ug/l	0.00
Spiked Amount			Recovery	=	84.54%	
62) 4-Bromofluorobenzene	11.51	95	305535	36.88	ug/l	0.00
Spiked Amount			Recovery	=	73.76%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.00	85	249459	31.126	ug/l	100
3) Chloromethane	1.15	50	285493	40.895	ug/l	100
4) Vinyl Chloride	1.20	62	292259	42.250	ug/l	100
5) Bromomethane	1.39	94	148708	27.380	ug/l	100
6) Chloroethane	1.45	64	113489	31.773	ug/l	100
7) Trichlorofluoromethane	1.57	101	407944	40.604	ug/l	100
8) Diethyl Ether	1.72	74	90531	42.550	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	1.92	101	284560	43.395	ug/l	100
10) Methyl Iodide	1.99	142	489827	44.010	ug/l	100
11) Tert butyl alcohol	2.71	59	64387	217.614	ug/l	100
12) 1,1-Dichloroethene	1.88	96	244623	41.199	ug/l	100
13) Acrolein	2.12	56	28209	98.733	ug/l	100
14) Allyl chloride	2.22	41	284758	37.952	ug/l	100
15) Acrylonitrile	3.10	53	183304	207.134	ug/l	100
16) Acetone	2.37	43	223087	183.162	ug/l	100
17) Carbon Disulfide	1.92	76	563198	30.949	ug/l	100
18) Methyl Acetate	2.47	43	91985	31.171	ug/l	100
19) Methyl tert-butyl Ether	2.56	73	466800	43.468	ug/l	100
20) Methylene Chloride	2.31	84	124964	17.528	ug/l	100
21) trans-1,2-Dichloroethene	2.44	96	229141	42.896	ug/l	100
22) Diisopropyl ether	2.96	45	623026	35.940	ug/l	100
23) Vinyl Acetate	3.37	43	1719084	206.274	ug/l	100
24) 1,1-Dichloroethane	3.04	63	441986	42.186	ug/l	100
25) 2-Butanone	4.54	43	499593	218.623	ug/l	100
26) 2,2-Dichloropropane	3.80	77	249814	44.902	ug/l	100
27) cis-1,2-Dichloroethene	3.68	96	352693	49.846	ug/l	100
28) Bromochloromethane	3.93	49	266720	56.366	ug/l	100
29) Tetrahydrofuran	4.29	42	207080	209.935	ug/l	100
30) Chloroform	4.08	83	558496	44.235	ug/l	100
31) Cyclohexane	3.91	56	425400	41.150	ug/l	100
32) 1,1,1-Trichloroethane	4.32	97	374443	44.993	ug/l	100
36) 1,1-Dichloropropene	4.50	75	386391	36.105	ug/l	100
37) Ethyl Acetate	4.33	43	166495	33.627	ug/l	100
38) Carbon Tetrachloride	4.22	117	320278	38.779	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.67	83	440036	40.664	ug/l	100
40) Benzene	4.85	78	1118433	46.378	ug/l	100
41) Methacrylonitrile	4.97	41	98147	35.175	ug/l	100
42) 1,2-Dichloroethane	5.15	62	236705	28.066	ug/l	100
43) Isopropyl Acetate	7.14	43	192390	36.000	ug/l	100
44) Trichloroethene	5.72	130	298871	40.967	ug/l	100
45) 1,2-Dichloropropane	6.44	63	282116	49.156	ug/l	100
46) Dibromomethane	6.29	93	165553	43.308	ug/l	100
47) Bromodichloromethane	6.57	83	358645	35.532	ug/l	100
48) Methyl methacrylate	6.90	41	107662	27.128	ug/l	100
49) 1,4-Dioxane	6.90	88	25902	1003.078	ug/l	100
51) 4-Methyl-2-Pentanone	8.43	43	727536	180.504	ug/l	100
52) Toluene	7.81	92	572281	38.252	ug/l	100
53) t-1,3-Dichloropropene	8.45	75	280917	34.674	ug/l	100
54) cis-1,3-Dichloropropene	7.48	75	399127	39.693	ug/l	100
55) 1,1,2-Trichloroethane	8.66	97	177796	42.479	ug/l	100
56) Ethyl methacrylate	8.78	69	191387	34.890	ug/l	100
57) 1,3-Dichloropropane	9.02	76	285513	40.509	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.47	63	307435	354.383	ug/l	100
59) 2-Hexanone	9.64	43	477302	168.164	ug/l	100
60) Dibromochloromethane	8.88	129	227687	38.198	ug/l	100
61) 1,2-Dibromoethane	9.16	107	174459	39.634	ug/l	100
64) Tetrachloroethene	8.33	164	213795	40.835	ug/l	100
65) Chlorobenzene	9.96	112	588500	42.595	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.08	131	250654	42.036	ug/l	100
67) Ethyl Benzene	10.05	91	1079740	40.430	ug/l	100
68) m/p-Xylenes	10.28	106	757187	79.125	ug/l	100
69) o-Xylene	10.83	106	405383	42.114	ug/l	100
70) Styrene	10.91	104	613448	41.650	ug/l	100
71) Bromoform	10.90	173	124071	40.730	ug/l	100
73) Isopropylbenzene	11.23	105	1140083	38.384	ug/l	100
74) N-amyl acetate	11.46	43	278802	35.074	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.79	83	228134	47.030	ug/l	100
76) 1,2,3-Trichloropropane	11.89	75	144502	39.689	ug/l	100
77) Bromobenzene	11.59	156	257354	40.921	ug/l	100
78) n-propylbenzene	11.69	91	1311679	37.948	ug/l	100
79) 2-Chlorotoluene	11.81	91	737490	37.353	ug/l	100
80) 1,3,5-Trimethylbenzene	11.91	105	886274	35.808	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.96	75	81922	55.944	ug/l	100
82) 4-Chlorotoluene	11.99	91	713842	35.764	ug/l	100
83) tert-Butylbenzene	12.21	119	951211	37.961	ug/l	100
84) 1,2,4-Trimethylbenzene	12.28	105	865250	35.095	ug/l	100
85) sec-Butylbenzene	12.38	105	1253679	39.270	ug/l	100
86) p-Isopropyltoluene	12.53	119	1051980	37.091	ug/l	100
87) 1,3-Dichlorobenzene	12.55	146	495739	41.637	ug/l	100
88) 1,4-Dichlorobenzene	12.64	146	468440	38.817	ug/l	100
89) n-Butylbenzene	12.91	91	1072574	38.887	ug/l	100
90) Hexachloroethane	12.98	117	268261	40.264	ug/l	100
91) 1,2-Dichlorobenzene	13.01	146	448984	39.826	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.70	75	30720	30.507	ug/l	100

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Quant Title : SW846 8260
QLast Update : Wed May 15 04:31:17 2019
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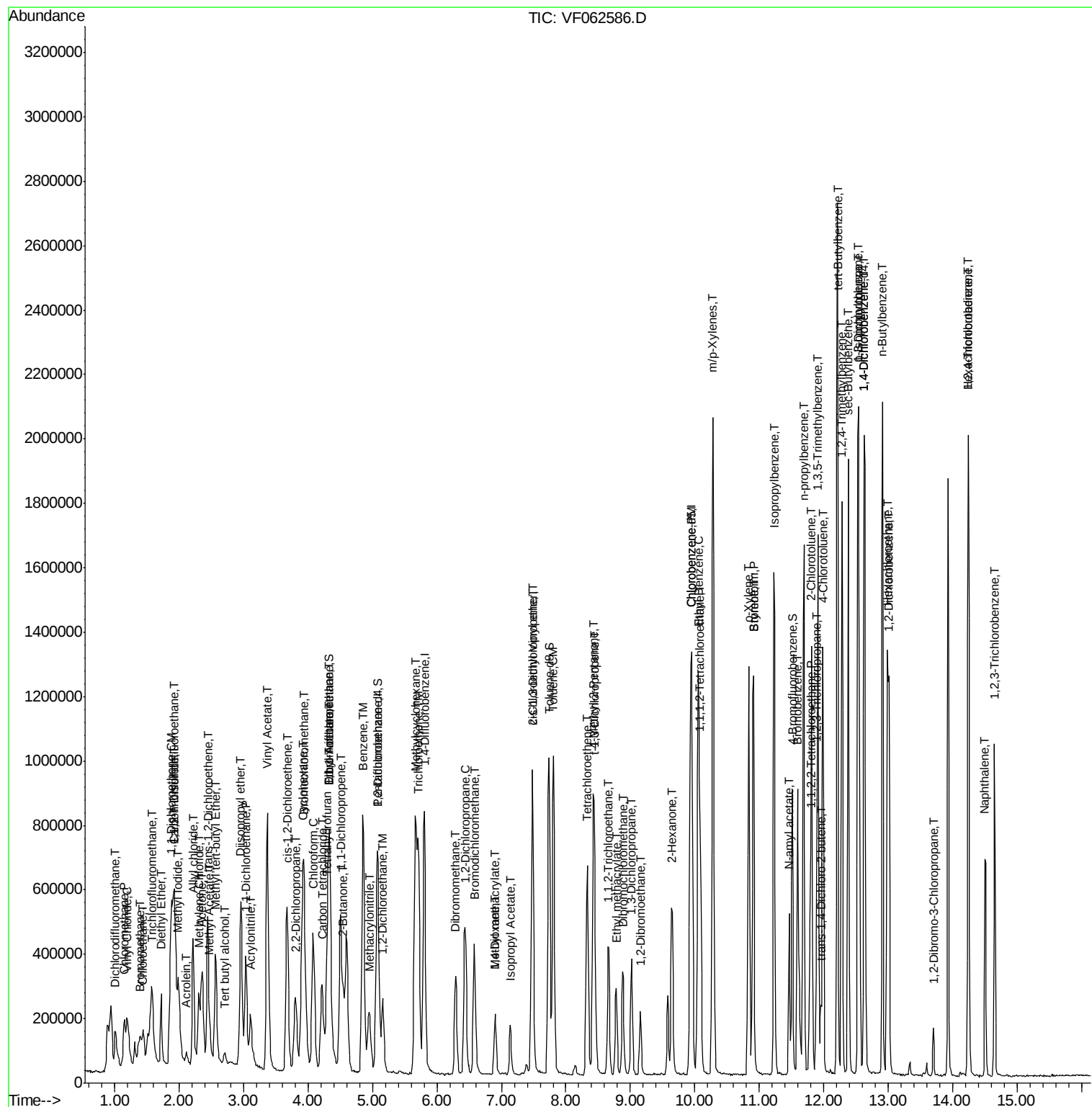
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	315116	38.300	ug/l	100
94) Hexachlorobutadiene	14.24	225	226717	42.456	ug/l	100
95) Naphthalene	14.51	128	533544	39.574	ug/l	100
96) 1,2,3-Trichlorobenzene	14.65	180	292908	40.806	ug/l	100

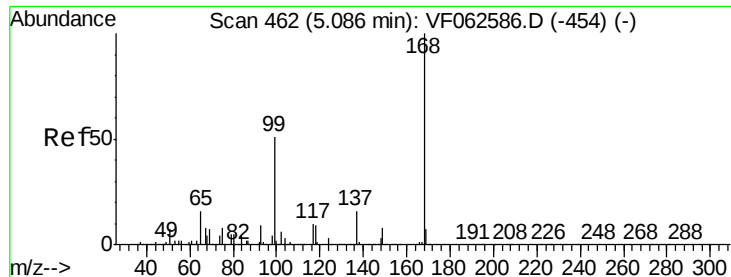
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.09 min Scan# 462

Delta R.T. 0.00 min

Lab File: VF062586.D

Acq: 14 May 2019 16:52

Instrument :

MSVOA_F

ClientSampleId :

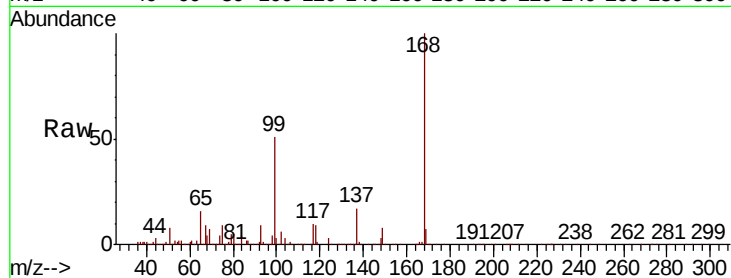
VSTDICCC050

Tot Ion:168 Resp: 582315

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

5.09

200000

150000

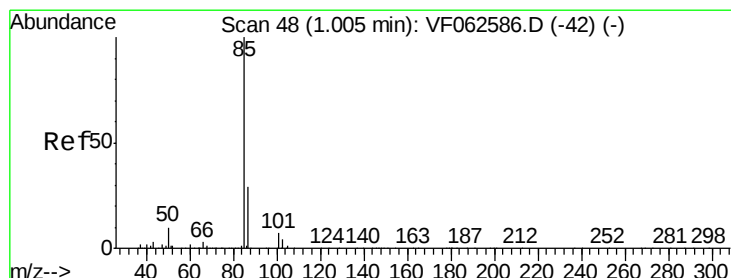
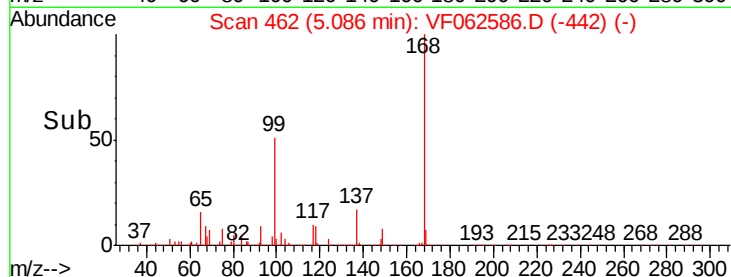
100000

50000

0

4.90 5.00 5.10 5.20 5.30

Time-->



#2

Dichlorodifluoromethane

Concen: 31.126 ug/l

RT: 1.00 min Scan# 48

Delta R.T. 0.00 min

Lab File: VF062586.D

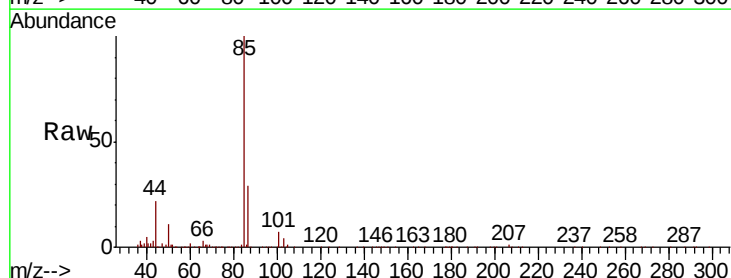
Acq: 14 May 2019 16:52

Tgt Ion: 85 Resp: 249459

Ion Ratio Lower Upper

85 100

87 29.2 14.6 43.8



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

1.00

80000

60000

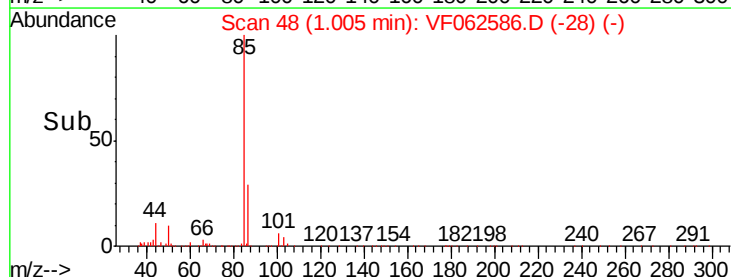
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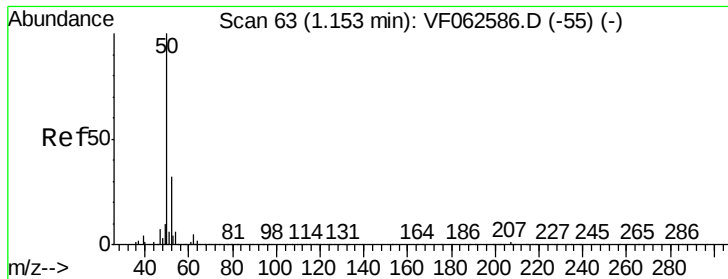
20000

0

0.90 1.00 1.10 1.20

Time-->





#3

Chloromethane

Concen: 40.895 ug/l

RT: 1.15 min Scan# 63

Delta R.T. 0.00 min

Lab File: VF062586.D

Acq: 14 May 2019 16:52

Instrument :

MSVOA_F

ClientSampleId :

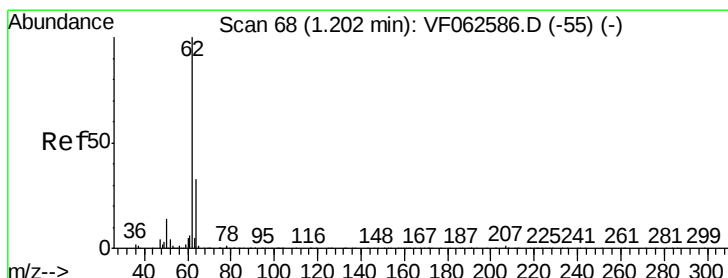
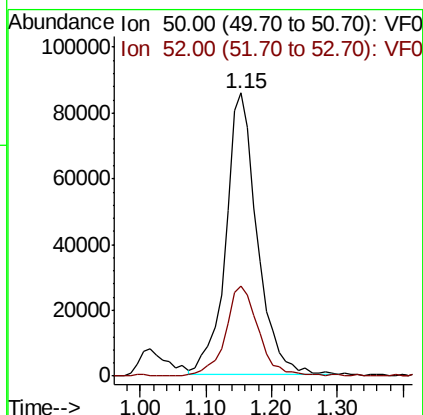
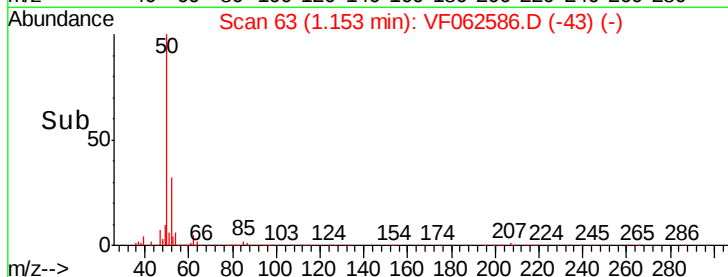
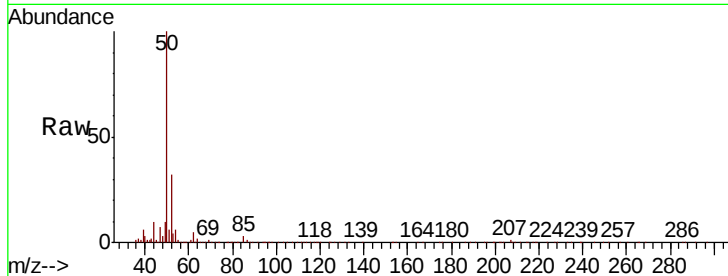
VSTDICCC050

Tot Ion: 50 Resp: 285493

Ion Ratio Lower Upper

50 100

52 31.6 25.3 37.9



#4

Vinyl Chloride

Concen: 42.250 ug/l

RT: 1.20 min Scan# 68

Delta R.T. 0.00 min

Lab File: VF062586.D

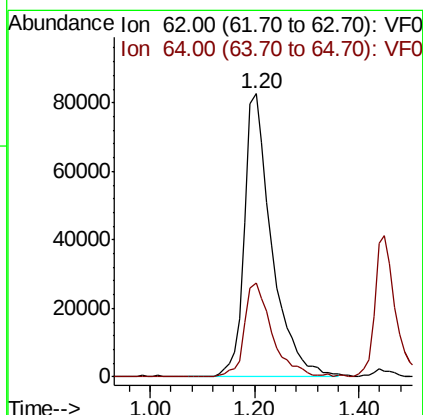
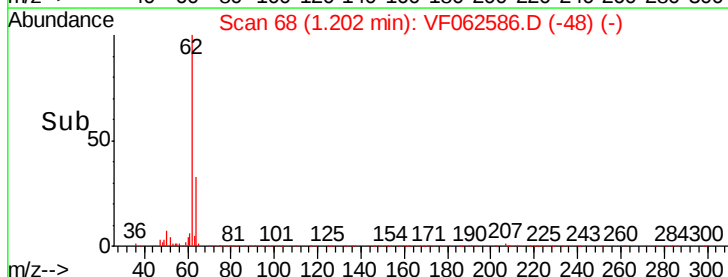
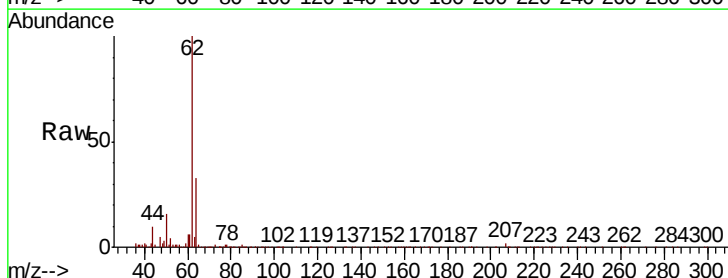
Acq: 14 May 2019 16:52

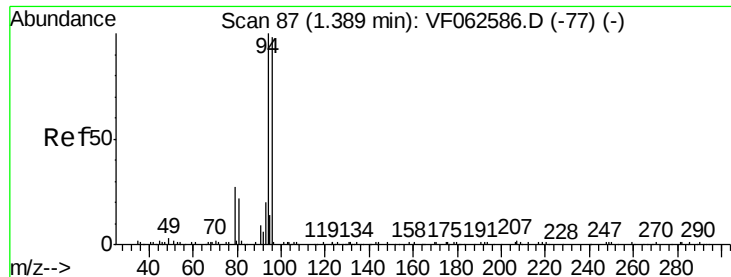
Tgt Ion: 62 Resp: 292259

Ion Ratio Lower Upper

62 100

64 33.1 26.5 39.7





#5

Bromomethane

Concen: 27.380 ug/l

RT: 1.39 min Scan# 87

Delta R.T. 0.00 min

Lab File: VF062586.D

Acq: 14 May 2019 16:52

Instrument :

MSVOA_F

ClientSampleId :

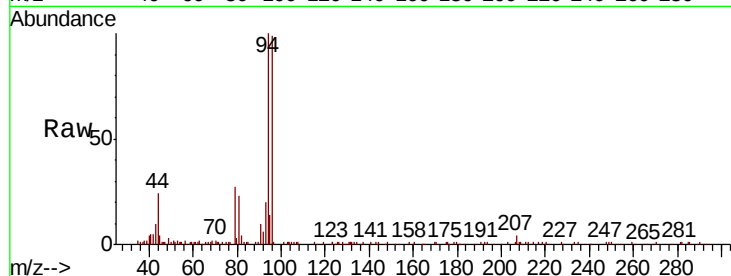
VSTDICCC050

Tot Ion: 94 Resp: 148708

Ion Ratio Lower Upper

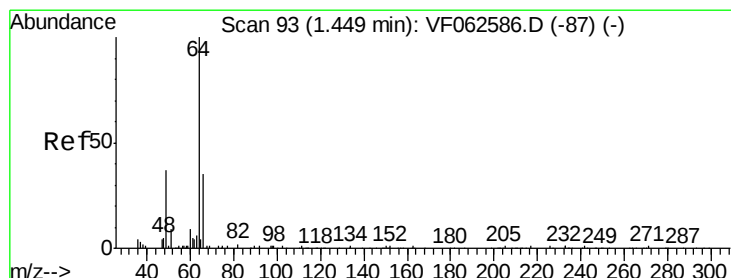
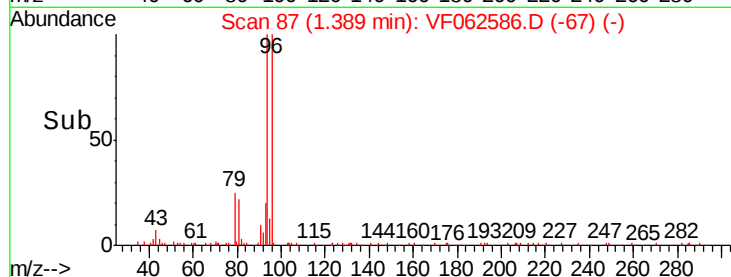
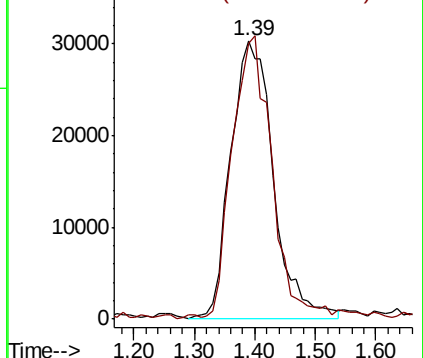
94 100

96 99.1 79.3 118.9



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 31.773 ug/l

RT: 1.45 min Scan# 93

Delta R.T. 0.00 min

Lab File: VF062586.D

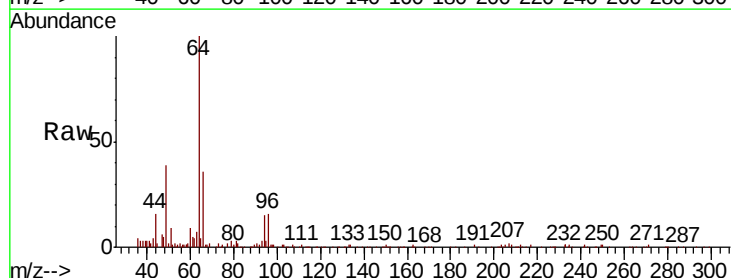
Acq: 14 May 2019 16:52

Tgt Ion: 64 Resp: 113489

Ion Ratio Lower Upper

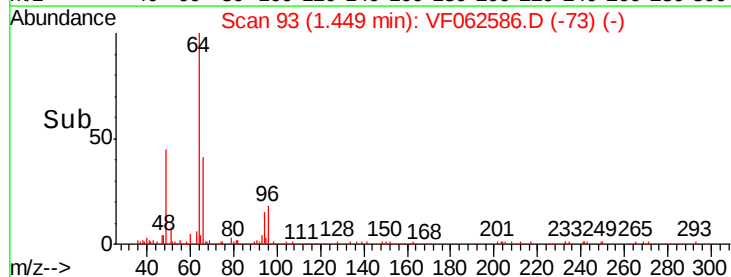
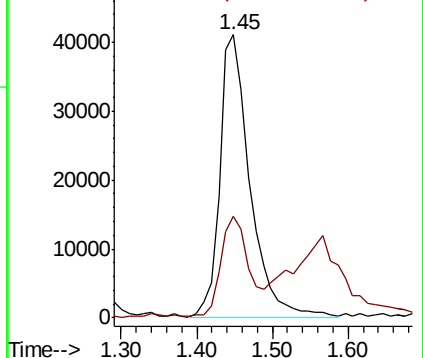
64 100

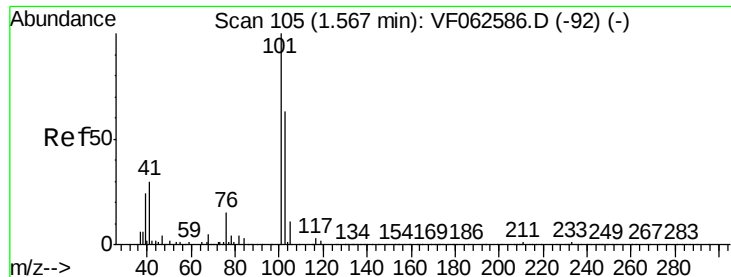
66 36.1 28.9 43.3



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0



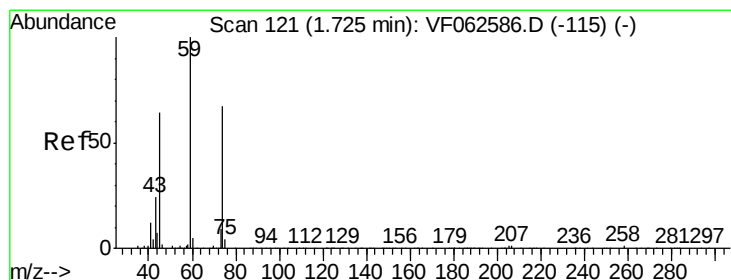
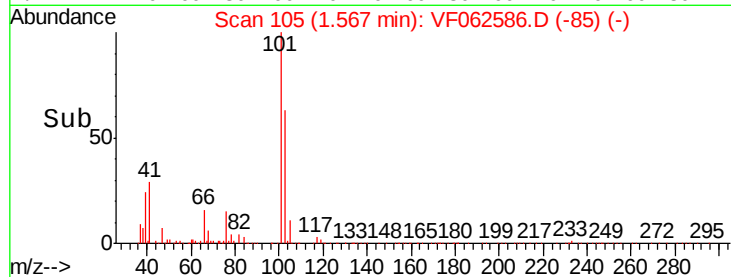
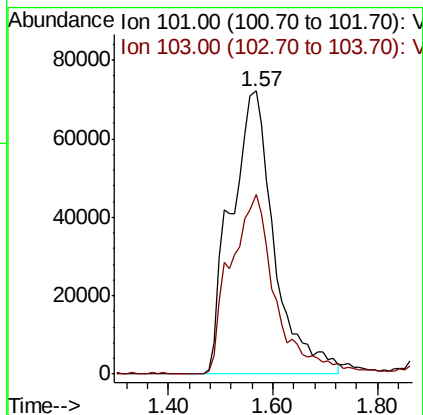
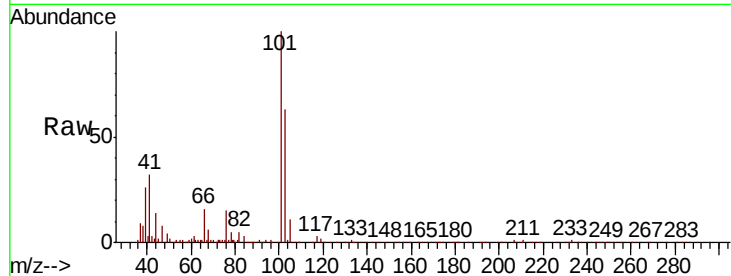


#7

Trichlorofluoromethane
Concen: 40.604 ug/l
RT: 1.57 min Scan# 105
Delta R.T. 0.00 min
Lab File: VF062586.D
Acq: 14 May 2019 16:52

Instrument :
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ClientSampleId :
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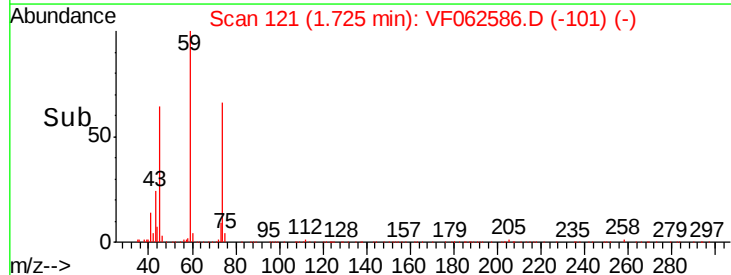
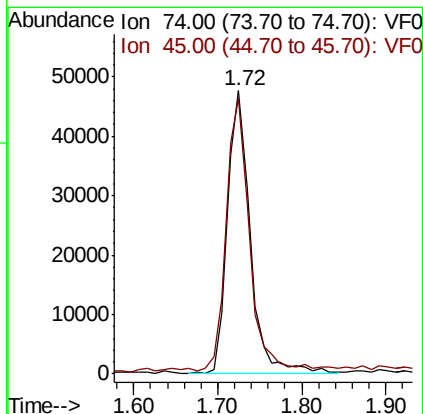
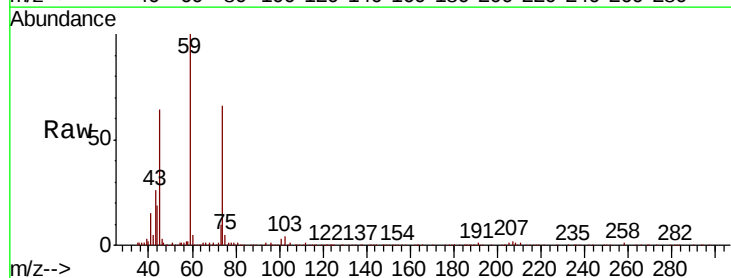
Tot Ion:101 Resp: 407944
Ion Ratio Lower Upper
101 100
103 63.5 50.8 76.2

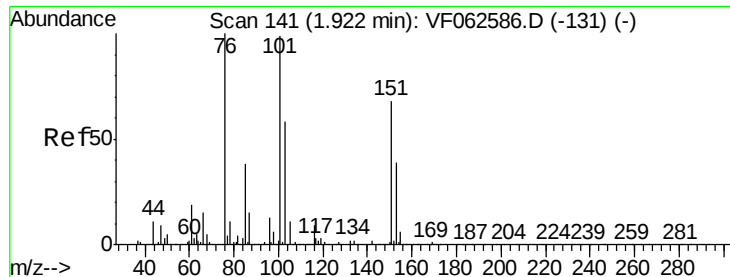


#8

Diethyl Ether
Concen: 42.550 ug/l
RT: 1.72 min Scan# 121
Delta R.T. 0.00 min
Lab File: VF062586.D
Acq: 14 May 2019 16:52

Tgt Ion: 74 Resp: 90531
Ion Ratio Lower Upper
74 100
45 97.2 48.6 145.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 43.395 ug/l

RT: 1.92 min Scan# 141

Delta R.T. 0.00 min

Lab File: VF062586.D

Acq: 14 May 2019 16:52

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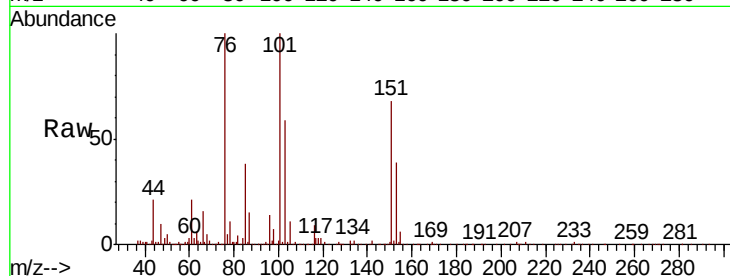
Tot Ion:101 Resp: 284560

Ion Ratio Lower Upper

101 100

85 37.8 30.2 45.4

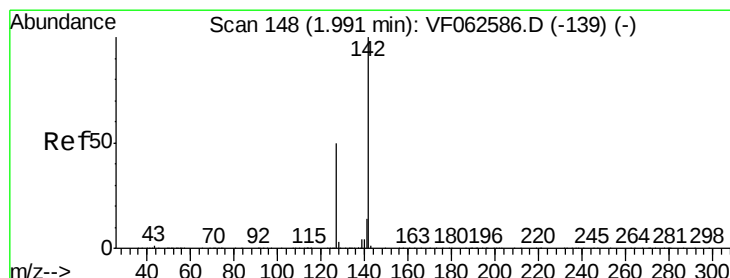
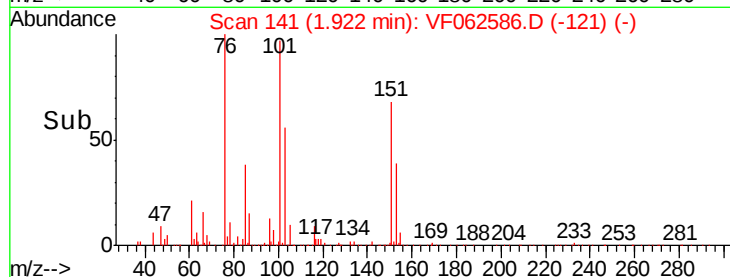
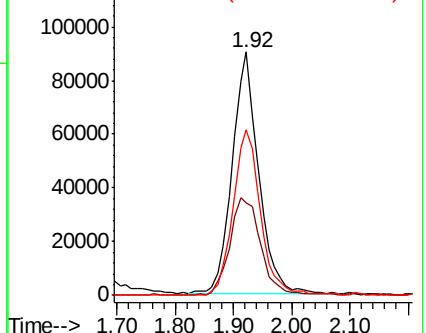
151 68.1 54.5 81.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 44.010 ug/l

RT: 1.99 min Scan# 148

Delta R.T. 0.00 min

Lab File: VF062586.D

Acq: 14 May 2019 16:52

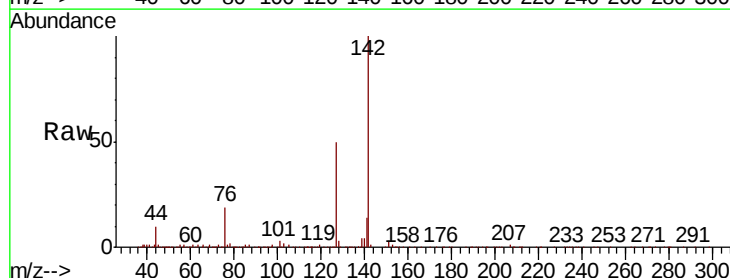
Tgt Ion:142 Resp: 489827

Ion Ratio Lower Upper

142 100

127 50.3 40.2 60.4

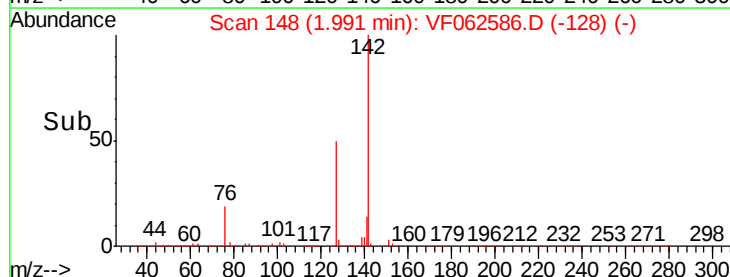
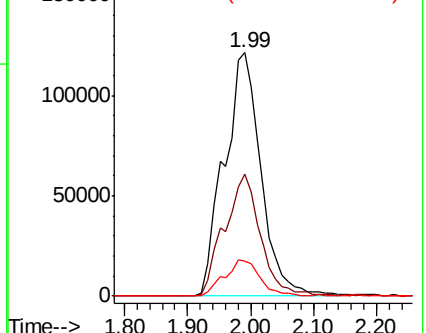
141 14.5 11.6 17.4

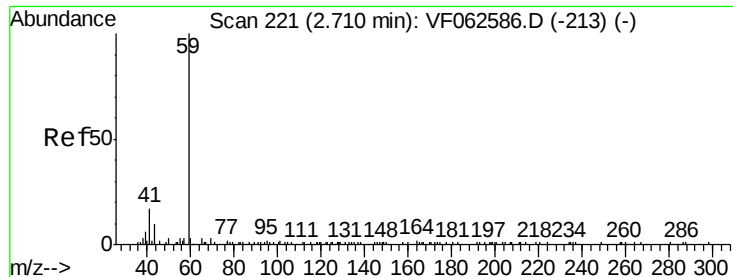


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



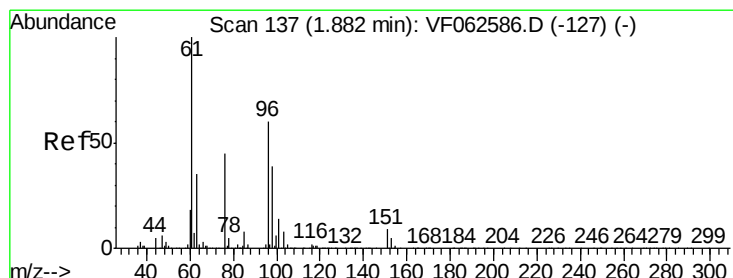
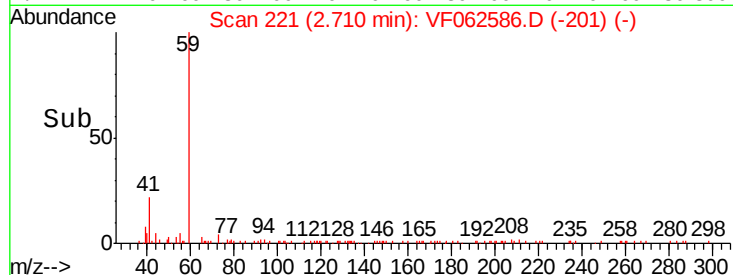
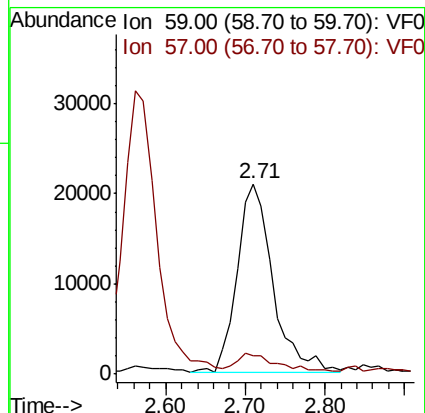
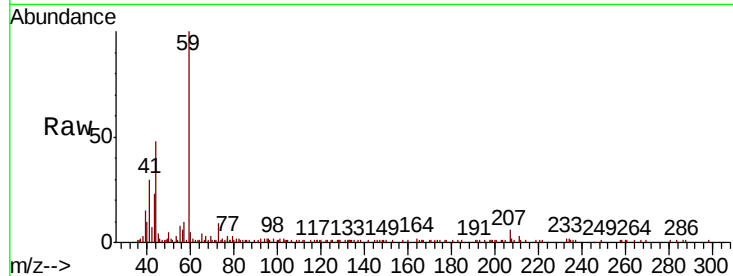


#11

Tert butyl alcohol
 Concen: 217.614 ug/l
 RT: 2.71 min Scan# 221
 Delta R.T. 0.00 min
 Lab File: VF062586.D
 Acq: 14 May 2019 16:52

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

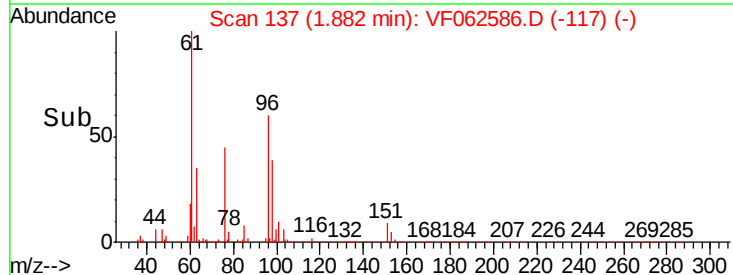
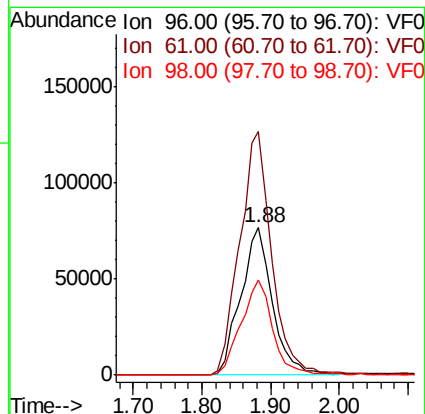
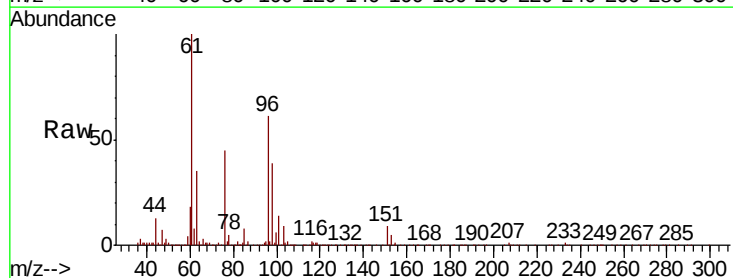
Tot Ion: 59 Resp: 64387
 Ion Ratio Lower Upper
 59 100
 57 10.0 8.0 12.0

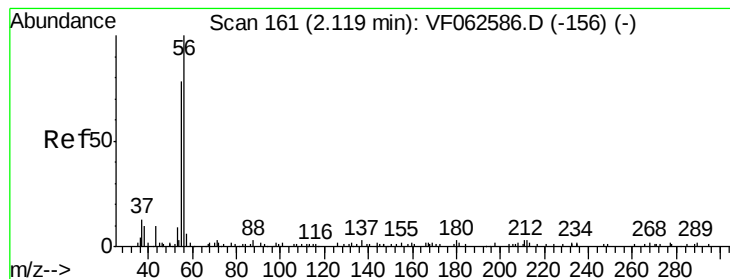


#12

1,1-Dichloroethene
 Concen: 41.199 ug/l
 RT: 1.88 min Scan# 137
 Delta R.T. 0.00 min
 Lab File: VF062586.D
 Acq: 14 May 2019 16:52

Tgt Ion: 96 Resp: 244623
 Ion Ratio Lower Upper
 96 100
 61 165.0 132.0 198.0
 98 64.1 51.3 76.9





#13

Acrolein

Concen: 98.733 ug/l

RT: 2.12 min Scan# 161

Delta R.T. 0.00 min

Lab File: VF062586.D

Acq: 14 May 2019 16:52

Instrument :

MSVOA_F

ClientSampleId :

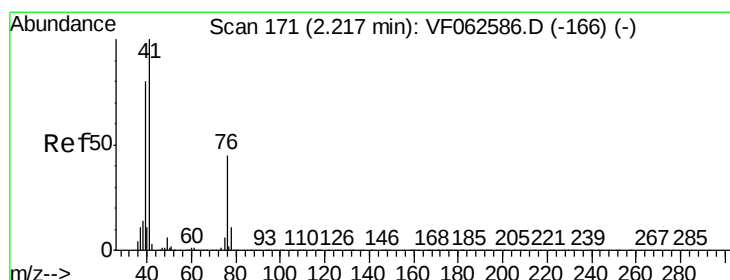
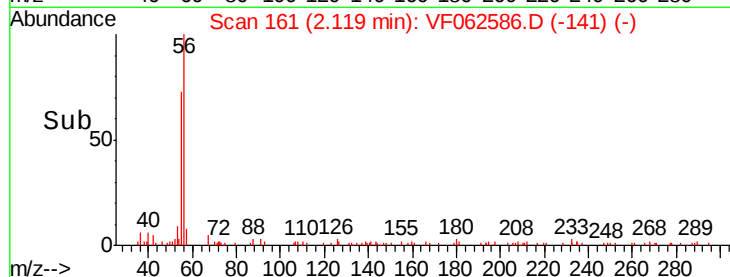
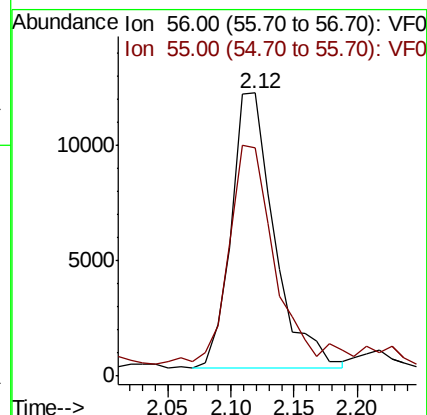
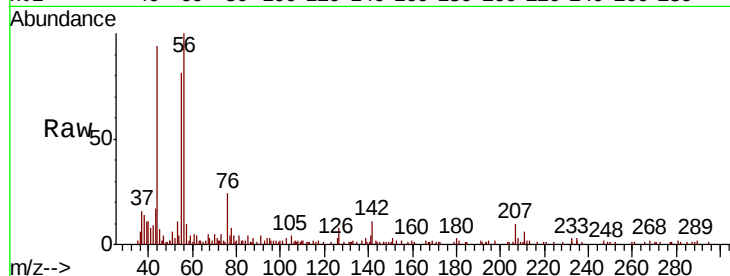
VSTDICCC050

Tot Ion: 56 Resp: 28209

Ion Ratio Lower Upper

56 100

55 80.7 64.6 96.8



#14

Allyl chloride

Concen: 37.952 ug/l

RT: 2.22 min Scan# 171

Delta R.T. 0.00 min

Lab File: VF062586.D

Acq: 14 May 2019 16:52

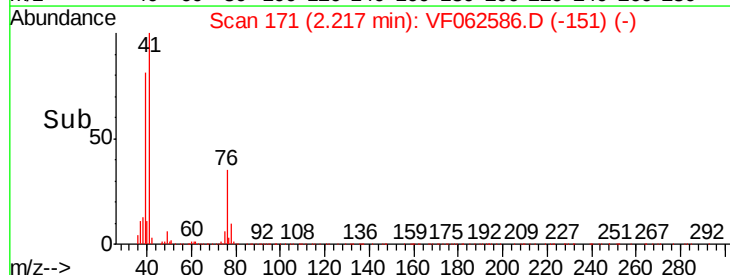
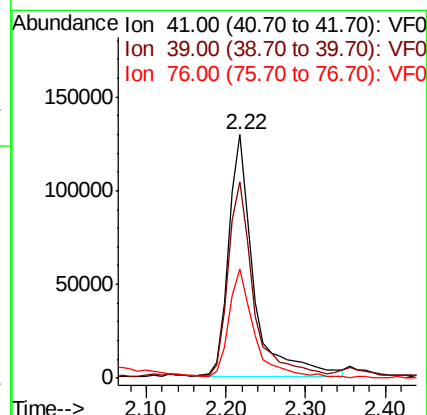
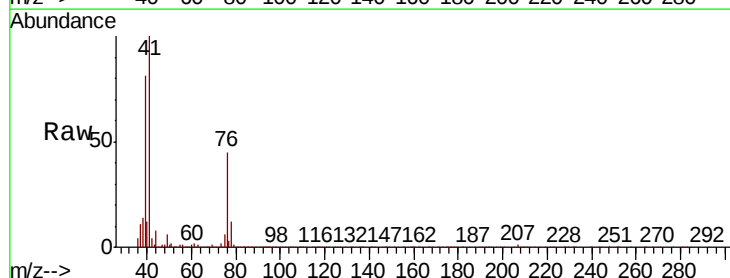
Tgt Ion: 41 Resp: 284758

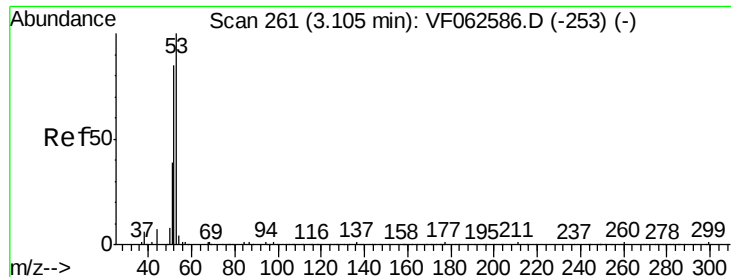
Ion Ratio Lower Upper

41 100

39 80.7 64.6 96.8

76 45.1 36.1 54.1





#15

Acrylonitrile

Concen: 207.134 ug/l

RT: 3.10 min Scan# 261

Delta R.T. 0.00 min

Lab File: VF062586.D

Acq: 14 May 2019 16:52

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

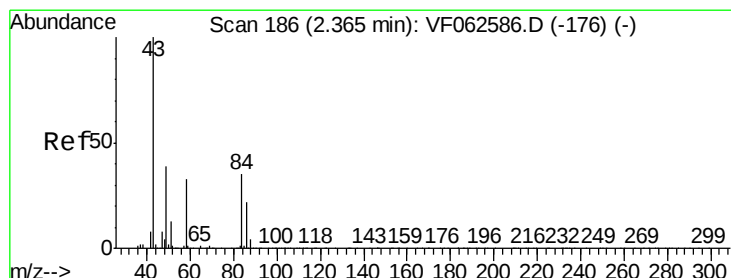
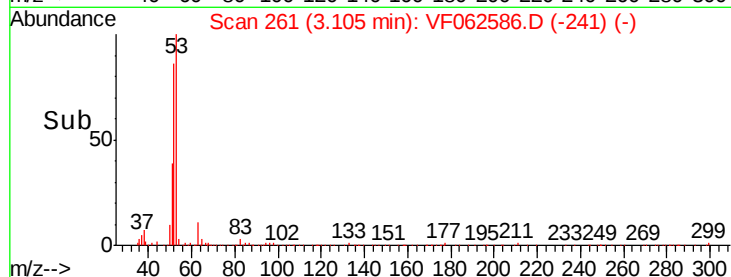
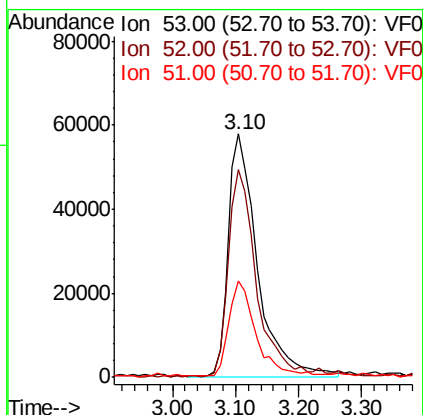
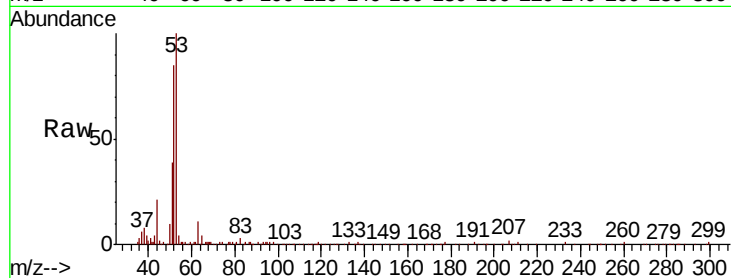
Tot Ion: 53 Resp: 183304

Ion Ratio Lower Upper

53 100

52 85.4 68.3 102.5

51 39.4 31.5 47.3



#16

Acetone

Concen: 183.162 ug/l

RT: 2.37 min Scan# 186

Delta R.T. 0.00 min

Lab File: VF062586.D

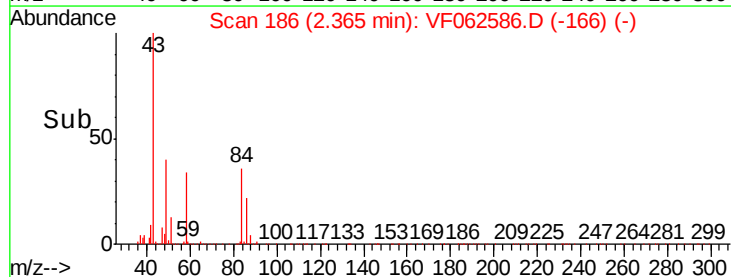
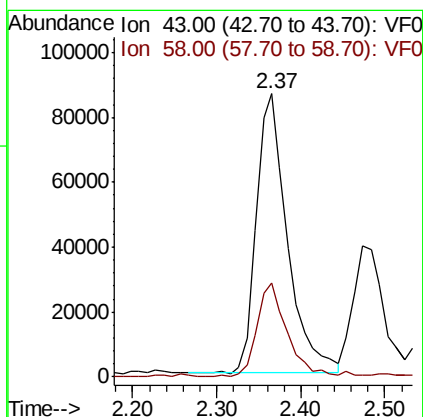
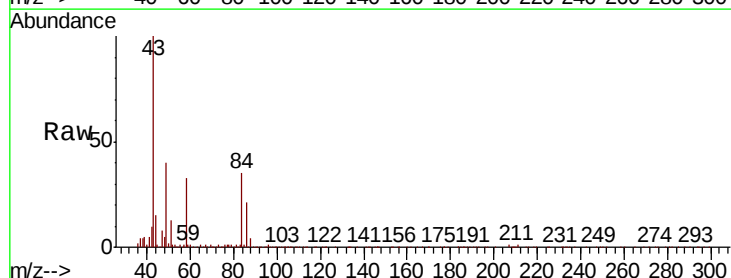
Acq: 14 May 2019 16:52

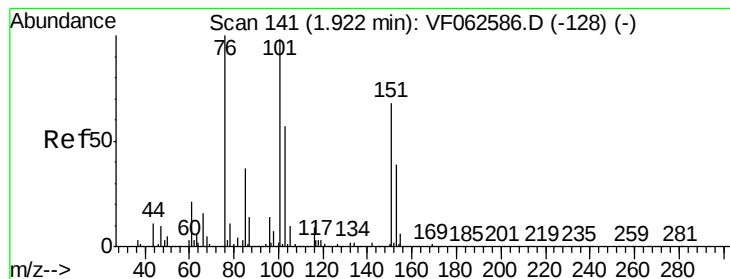
Tgt Ion: 43 Resp: 223087

Ion Ratio Lower Upper

43 100

58 33.4 26.7 40.1





#17

Carbon Disulfide

Concen: 30.949 ug/l

RT: 1.92 min Scan# 141

Delta R.T. 0.00 min

Lab File: VF062586.D

Acq: 14 May 2019 16:52

Instrument :

MSVOA_F

ClientSampleId :

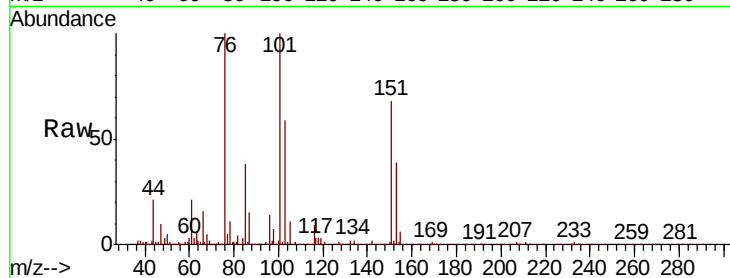
VSTDICCC050

Tot Ion: 76 Resp: 563198

Ion Ratio Lower Upper

76 100

78 11.2 9.0 13.4



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0

1.92

100000

80000

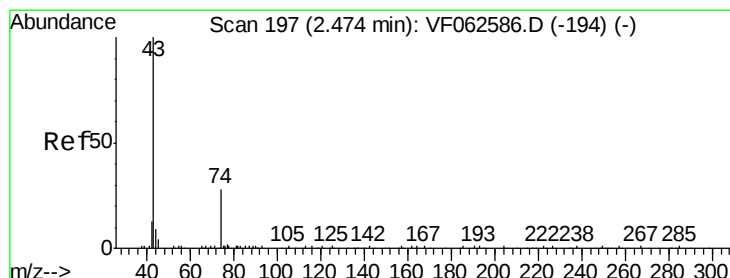
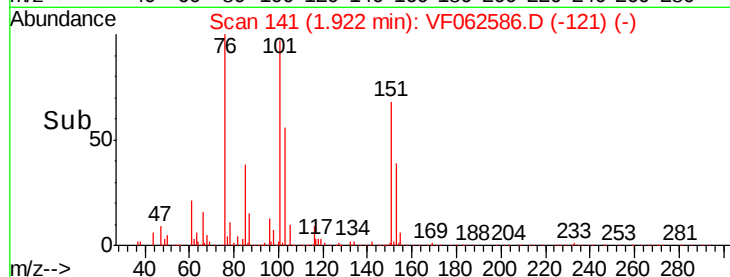
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 31.171 ug/l

RT: 2.47 min Scan# 197

Delta R.T. 0.00 min

Lab File: VF062586.D

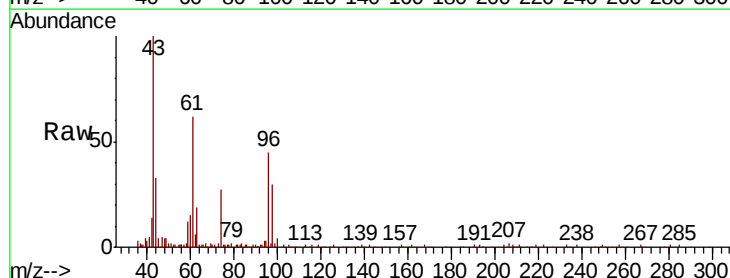
Acq: 14 May 2019 16:52

Tgt Ion: 43 Resp: 91985

Ion Ratio Lower Upper

43 100

74 26.7 21.4 32.0



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0

2.47

40000

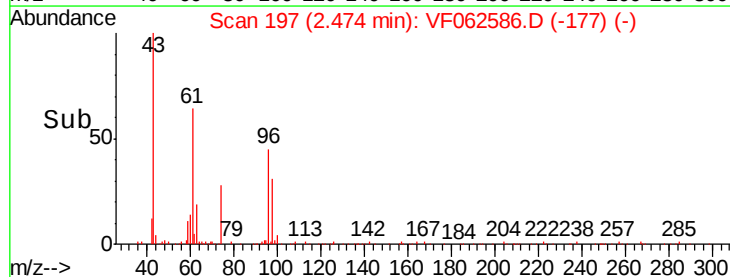
30000

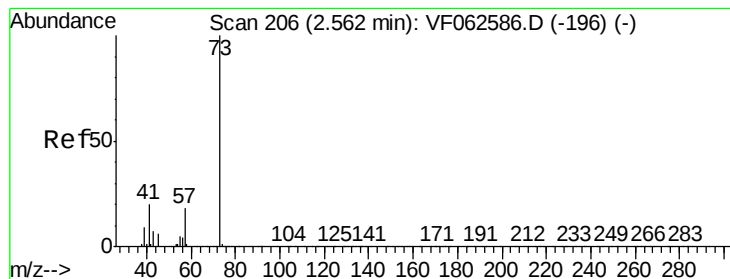
20000

10000

0

Time-->



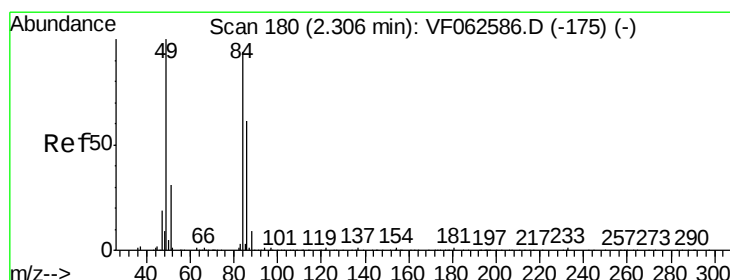
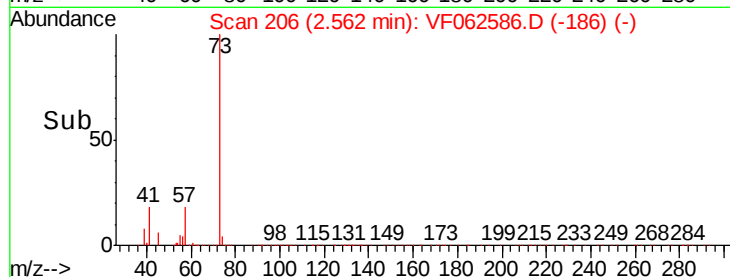
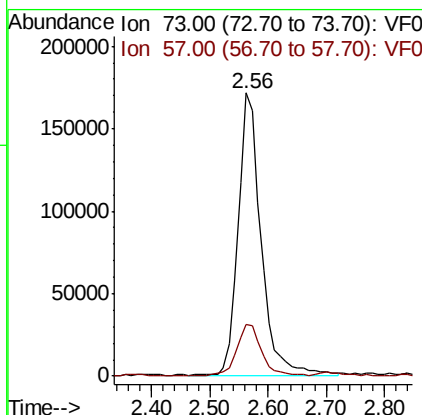
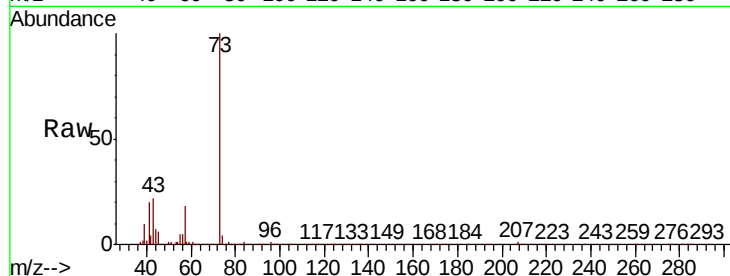


#19

Methyl tert-butyl Ether
 Concen: 43.468 ug/l
 RT: 2.56 min Scan# 206
 Delta R.T. 0.00 min
 Lab File: VF062586.D
 Acq: 14 May 2019 16:52

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

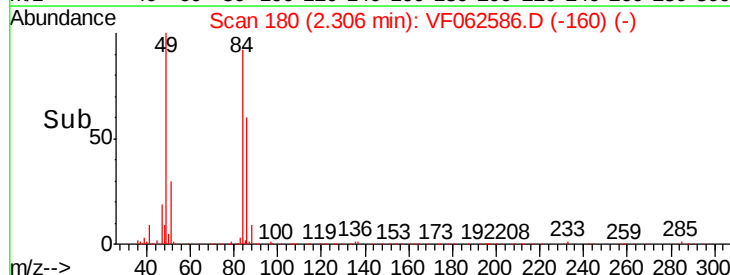
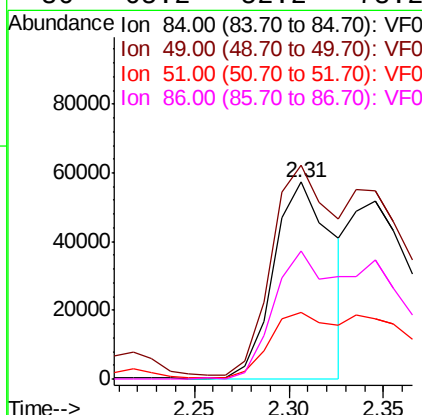
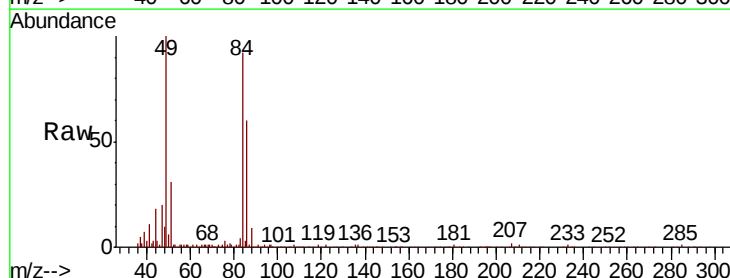
Tot Ion: 73 Resp: 466800
 Ion Ratio Lower Upper
 73 100
 57 18.3 14.6 22.0

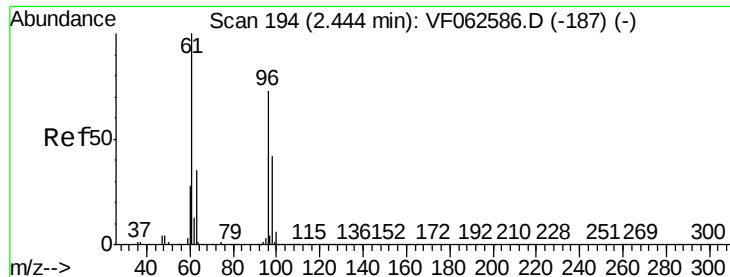


#20

Methylene Chloride
 Concen: 17.528 ug/l
 RT: 2.31 min Scan# 180
 Delta R.T. 0.00 min
 Lab File: VF062586.D
 Acq: 14 May 2019 16:52

Tgt Ion: 84 Resp: 124964
 Ion Ratio Lower Upper
 84 100
 49 108.6 86.9 130.3
 51 33.8 27.0 40.6
 86 65.2 52.2 78.2





#21

trans-1,2-Dichloroethene

Concen: 42.896 ug/l

RT: 2.44 min Scan# 194

Delta R.T. 0.00 min

Lab File: VF062586.D

Acq: 14 May 2019 16:52

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

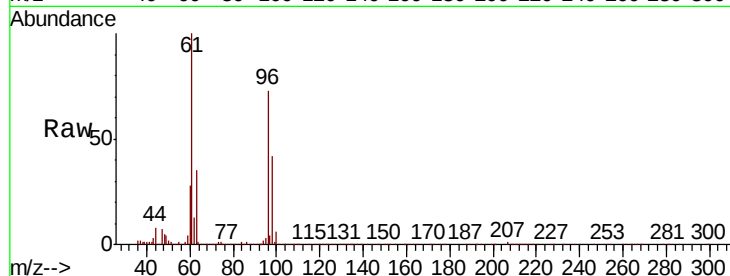
Tot Ion: 96 Resp: 229141

Ion Ratio Lower Upper

96 100

61 136.5 109.2 163.8

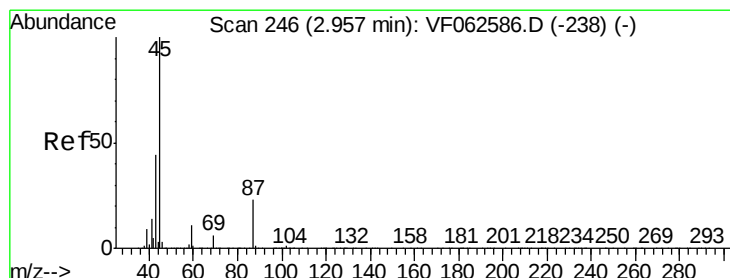
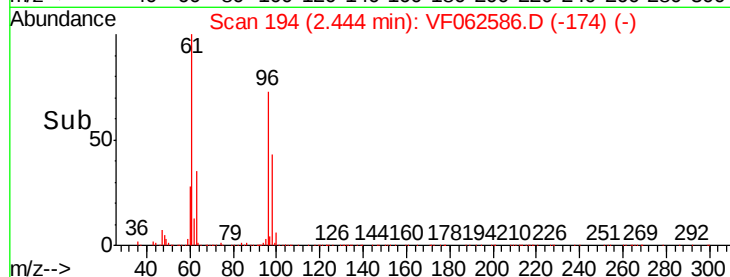
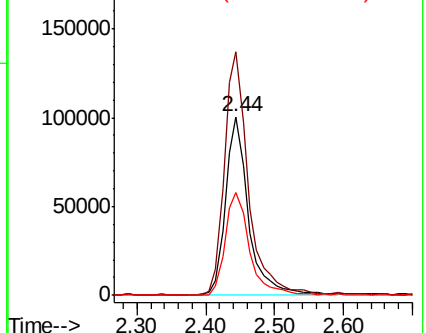
98 57.9 46.3 69.5



Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#22

Diisopropyl ether

Concen: 35.940 ug/l

RT: 2.96 min Scan# 246

Delta R.T. 0.00 min

Lab File: VF062586.D

Acq: 14 May 2019 16:52

Tgt Ion: 45 Resp: 623026

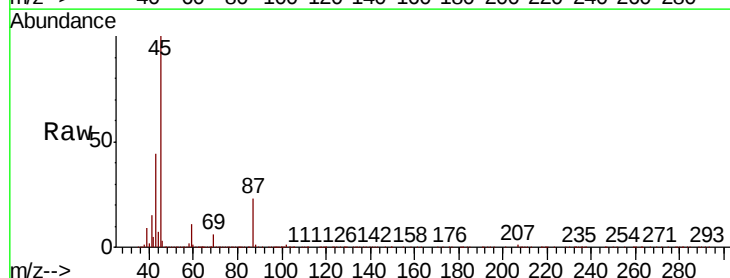
Ion Ratio Lower Upper

45 100

43 44.2 35.4 53.0

87 23.0 18.4 27.6

59 11.1 8.9 13.3

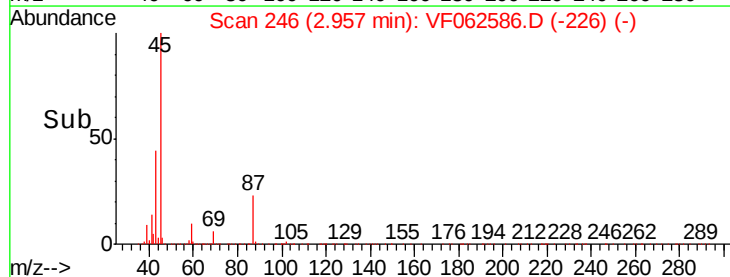
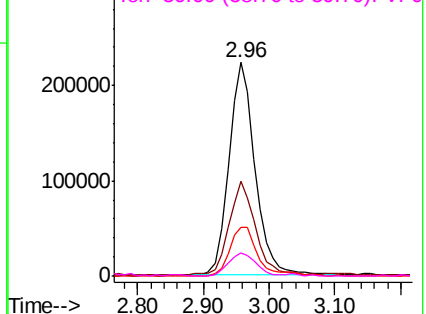


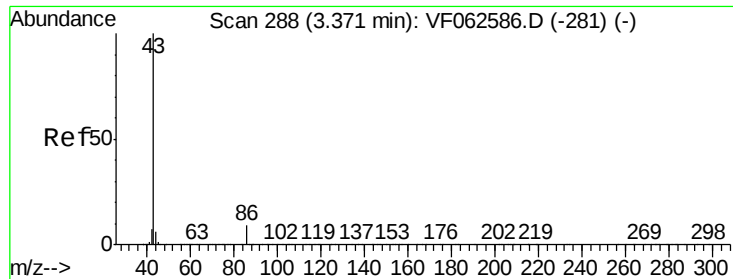
Abundance Ion 45.00 (44.70 to 45.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

Ion 59.00 (58.70 to 59.70): VF0

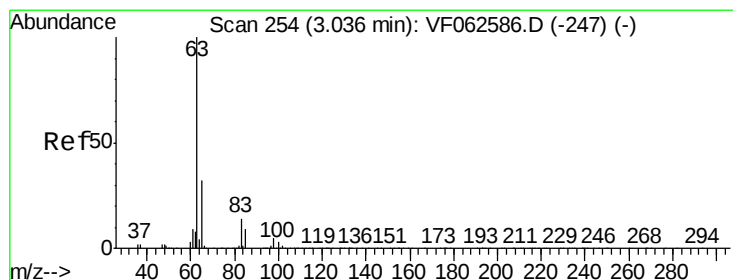
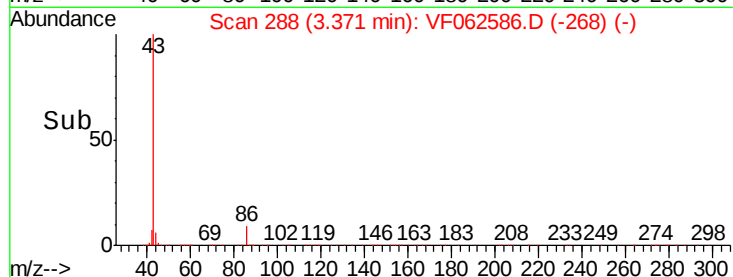
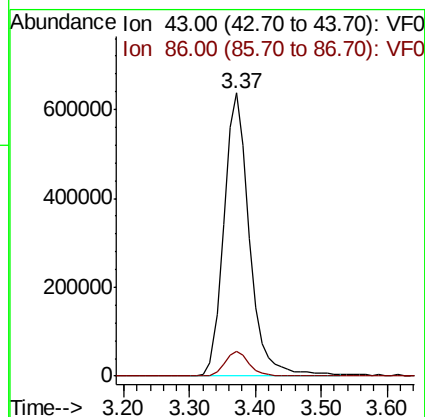
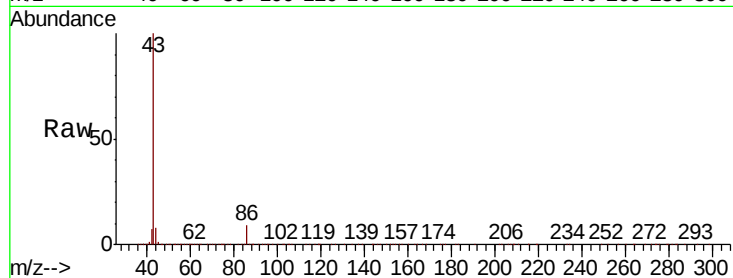




#23
 Vinyl Acetate
 Concen: 206.274 ug/l
 RT: 3.37 min Scan# 288
 Delta R.T. 0.00 min
 Lab File: VF062586.D
 Acq: 14 May 2019 16:52

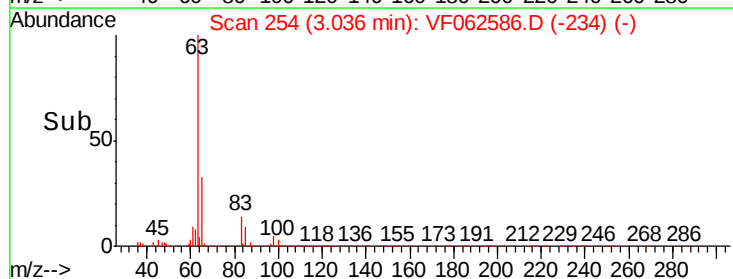
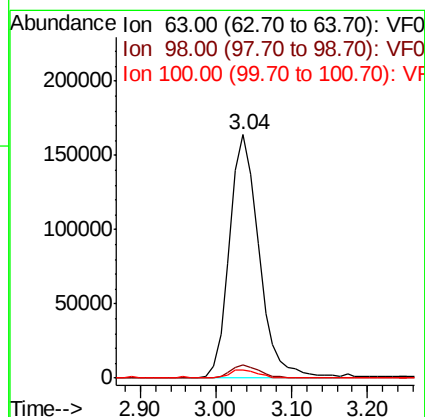
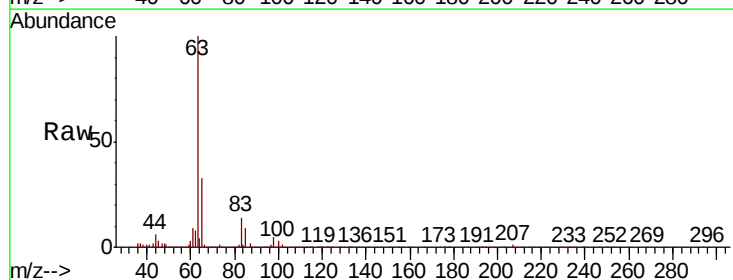
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

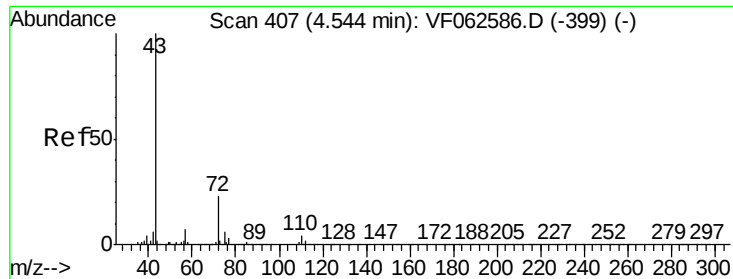
Tot Ion: 43 Resp: 1719084
 Ion Ratio Lower Upper
 43 100
 86 8.9 7.1 10.7



#24
 1,1-Dichloroethane
 Concen: 42.186 ug/l
 RT: 3.04 min Scan# 254
 Delta R.T. 0.00 min
 Lab File: VF062586.D
 Acq: 14 May 2019 16:52

Tgt Ion: 63 Resp: 441986
 Ion Ratio Lower Upper
 63 100
 98 5.2 2.6 7.8
 100 3.4 1.7 5.1

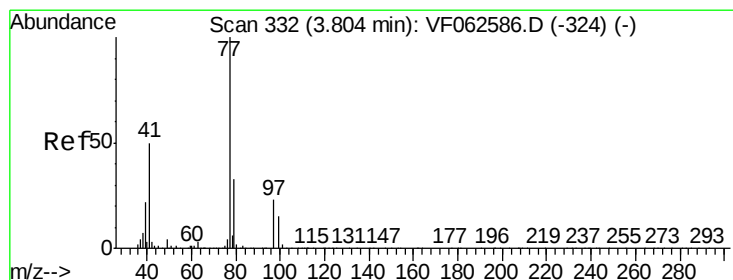
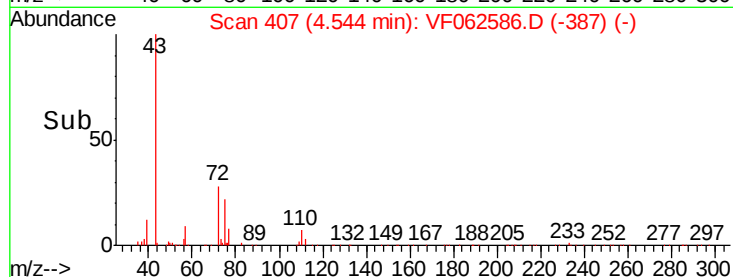
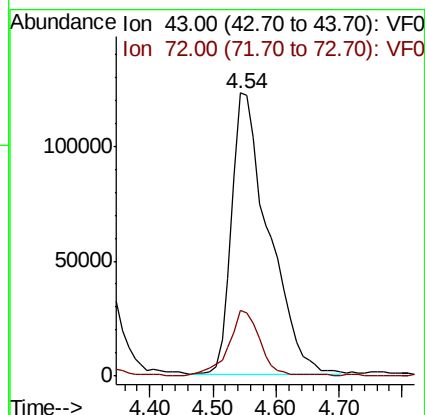
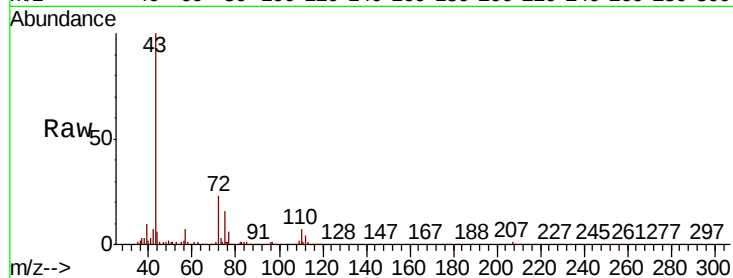




#25
2-Butanone
Concen: 218.623 ug/l
RT: 4.54 min Scan# 407
Delta R.T. 0.00 min
Lab File: VF062586.D
Acq: 14 May 2019 16:52

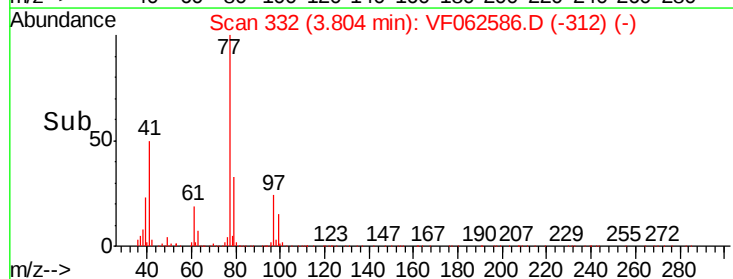
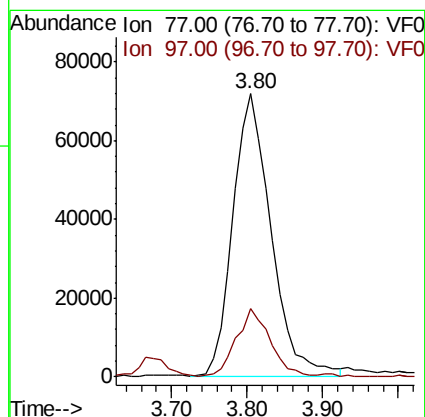
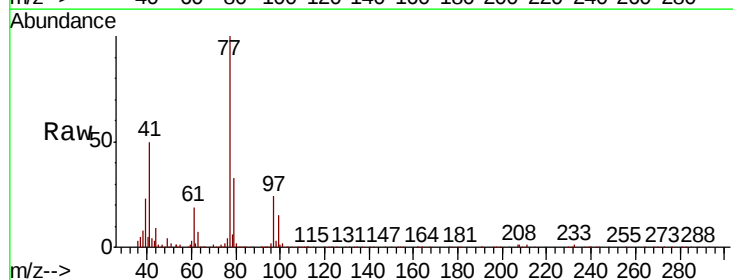
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

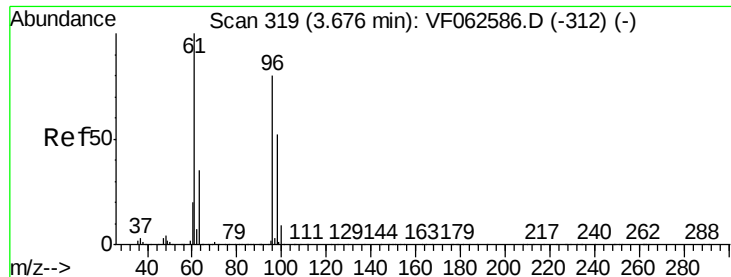
Tot Ion: 43 Resp: 499593
Ion Ratio Lower Upper
43 100
72 23.1 18.5 27.7



#26
2,2-Dichloropropane
Concen: 44.902 ug/l
RT: 3.80 min Scan# 332
Delta R.T. 0.00 min
Lab File: VF062586.D
Acq: 14 May 2019 16:52

Tgt Ion: 77 Resp: 249814
Ion Ratio Lower Upper
77 100
97 24.0 12.0 36.0



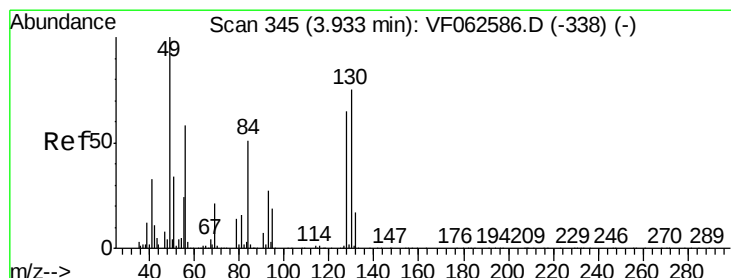
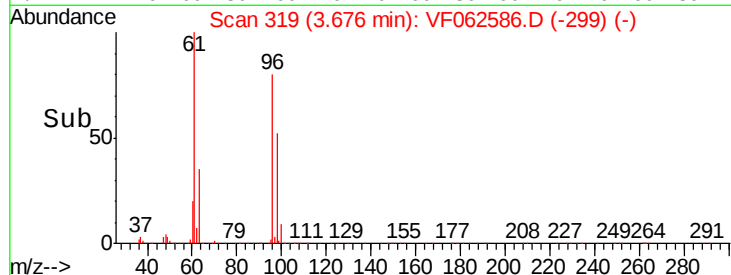
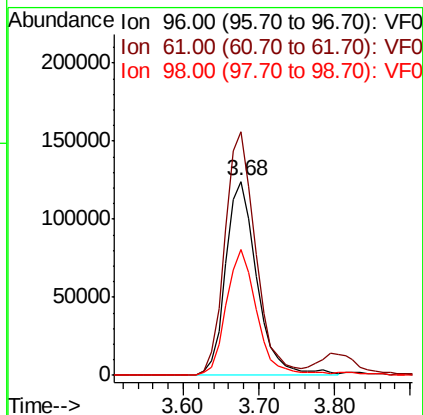
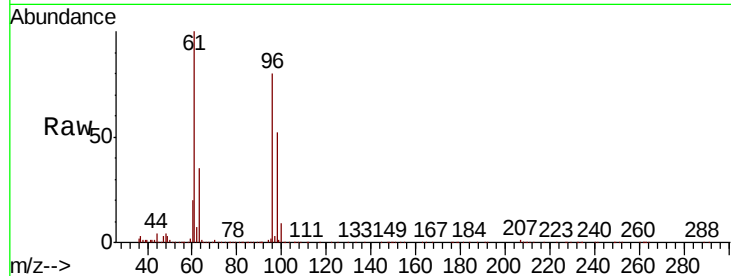


#27

cis-1,2-Dichloroethene
 Concen: 49.846 ug/l
 RT: 3.68 min Scan# 319
 Delta R.T. 0.00 min
 Lab File: VF062586.D
 Acq: 14 May 2019 16:52

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

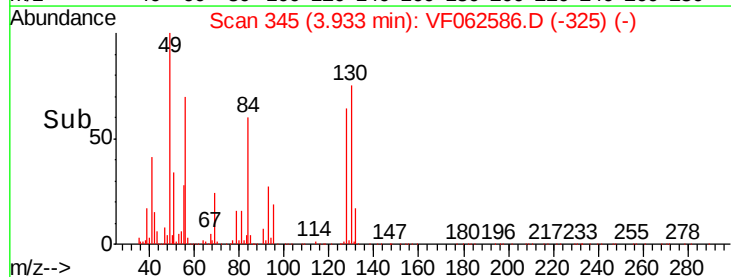
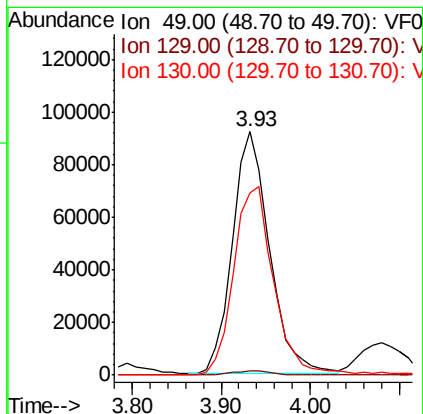
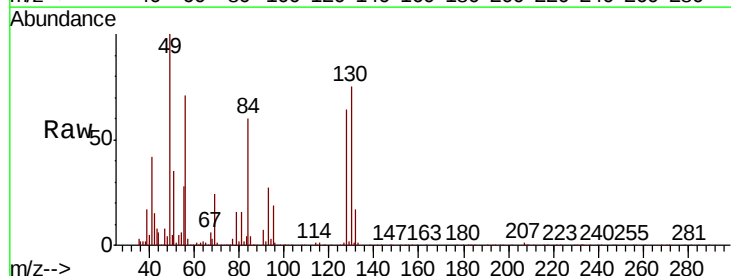
Tot Ion	Ratio	Lower	Upper
96	100		
61	125.7	0.0	251.4
98	64.9	0.0	129.8

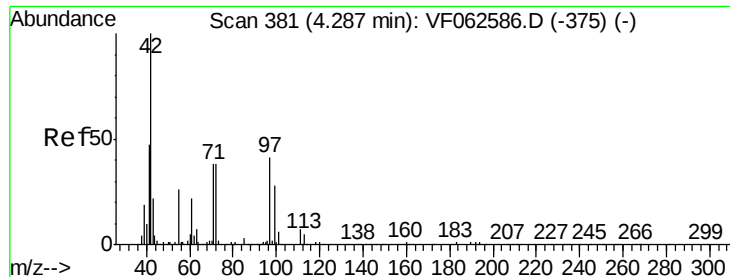


#28

Bromochloromethane
 Concen: 56.366 ug/l
 RT: 3.93 min Scan# 345
 Delta R.T. 0.00 min
 Lab File: VF062586.D
 Acq: 14 May 2019 16:52

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.0
130	74.6	59.7	89.5





#29

Tetrahydrofuran

Concen: 209.935 ug/l

RT: 4.29 min Scan# 381

Delta R.T. 0.00 min

Lab File: VF062586.D

Acq: 14 May 2019 16:52

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

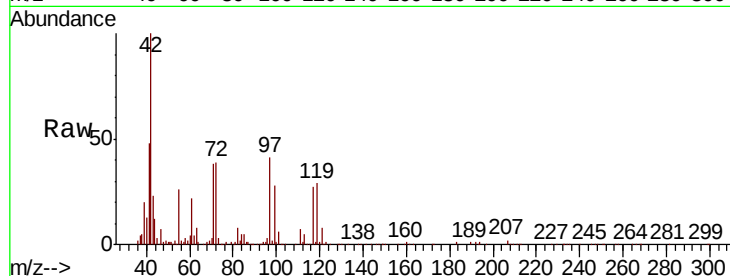
Tot Ion: 42 Resp: 207080

Ion Ratio Lower Upper

42 100

72 42.1 34.0 51.0

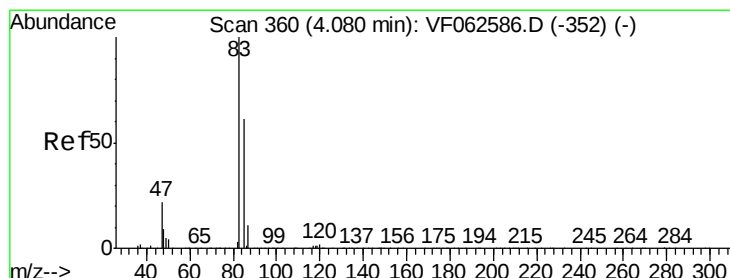
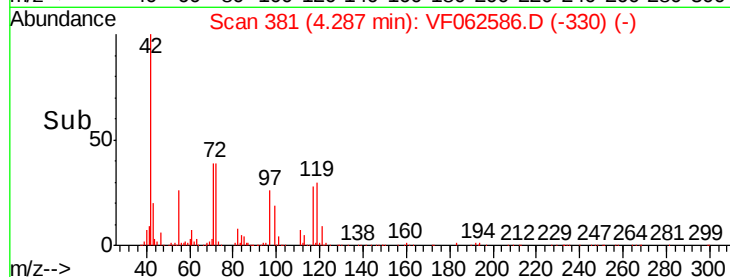
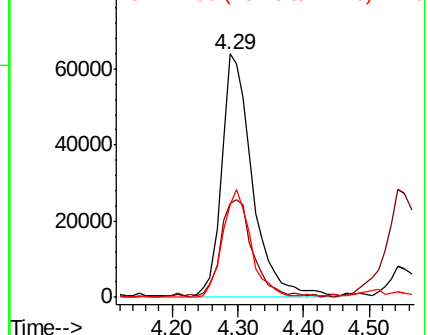
71 41.0 32.8 49.2



Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0



#30

Chloroform

Concen: 44.235 ug/l

RT: 4.08 min Scan# 360

Delta R.T. 0.00 min

Lab File: VF062586.D

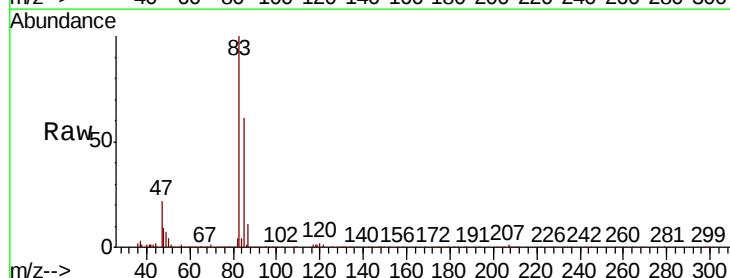
Acq: 14 May 2019 16:52

Tgt Ion: 83 Resp: 558496

Ion Ratio Lower Upper

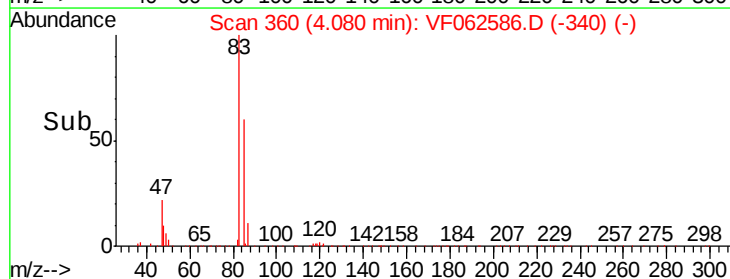
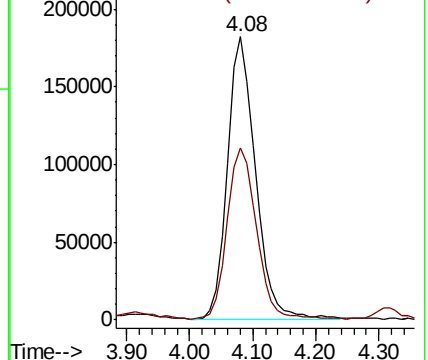
83 100

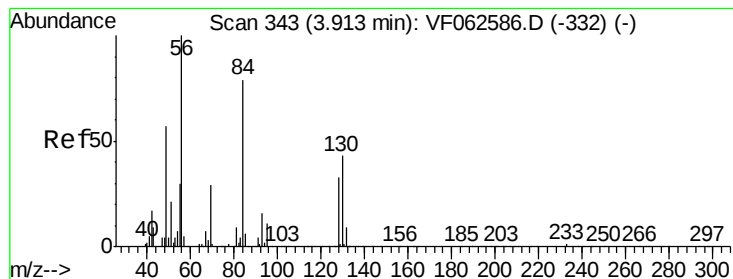
85 60.9 48.7 73.1



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0





#31

Cyclohexane

Concen: 41.150 ug/l

RT: 3.91 min Scan# 343

Delta R.T. 0.00 min

Lab File: VF062586.D

Acq: 14 May 2019 16:52

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

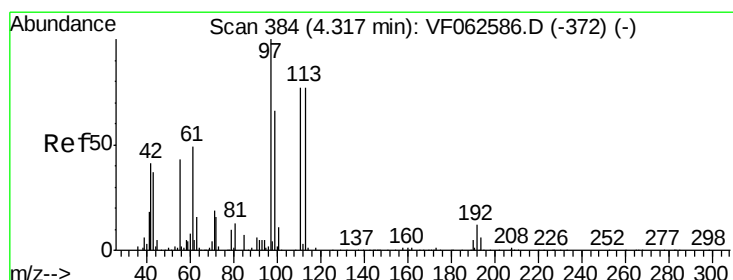
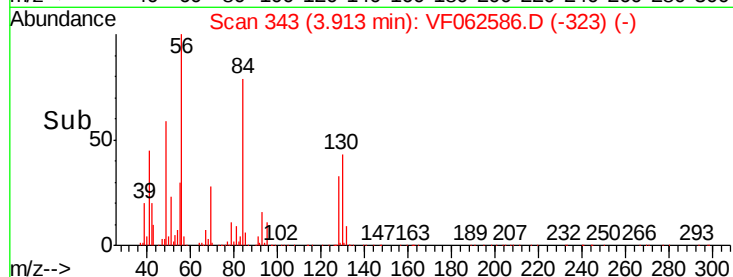
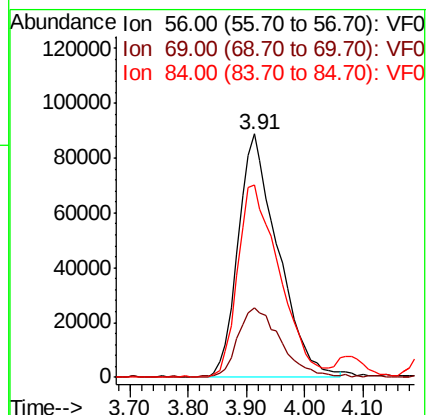
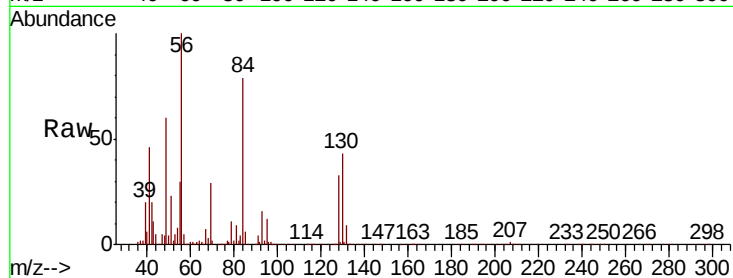
Tot Ion: 56 Resp: 425400

Ion Ratio Lower Upper

56 100

69 28.6 22.9 34.3

84 79.3 63.4 95.2



#32

1,1,1-Trichloroethane

Concen: 44.993 ug/l

RT: 4.32 min Scan# 384

Delta R.T. 0.00 min

Lab File: VF062586.D

Acq: 14 May 2019 16:52

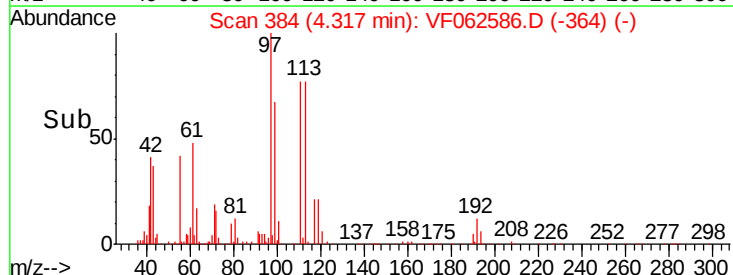
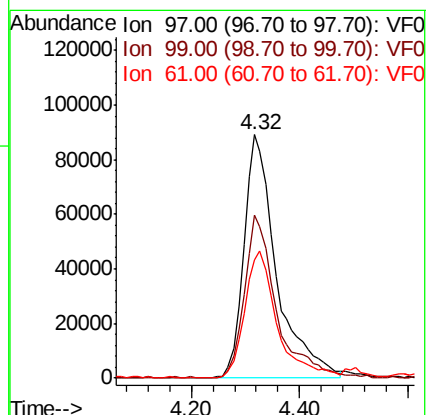
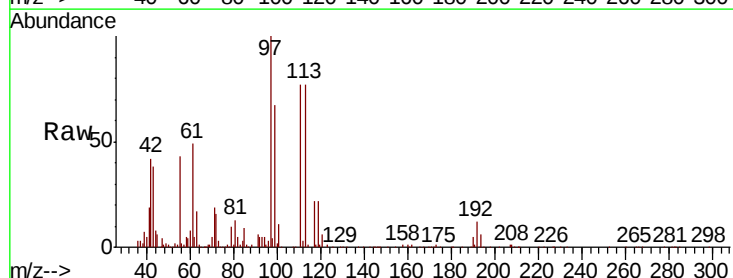
Tgt Ion: 97 Resp: 374443

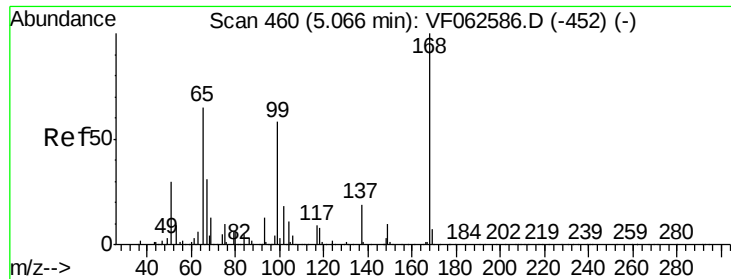
Ion Ratio Lower Upper

97 100

99 66.7 53.4 80.0

61 48.6 38.9 58.3

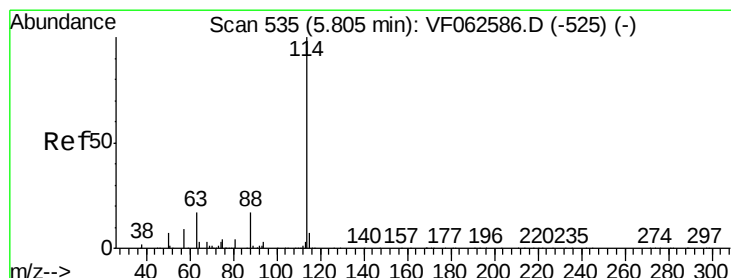
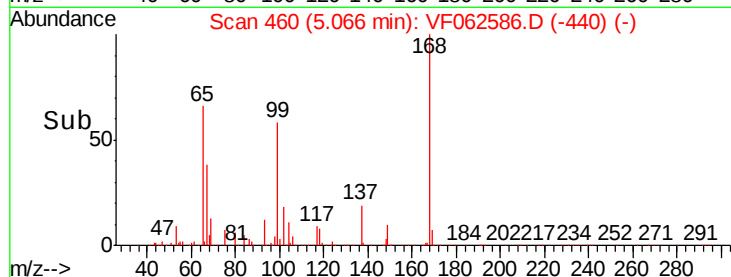
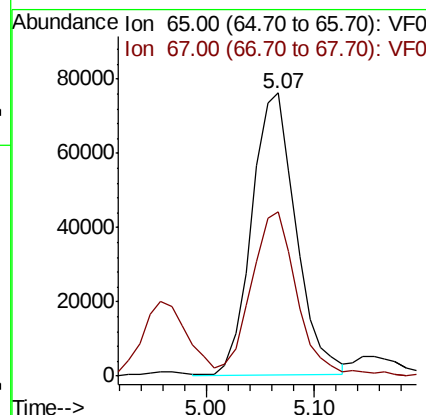
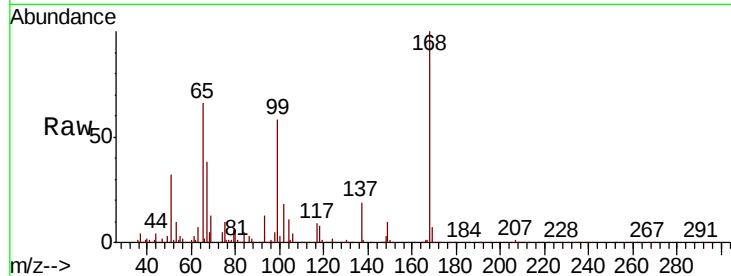




#33
 1,2-Dichloroethane-d4
 Concen: 34.209 ug/l
 RT: 5.07 min Scan# 460
 Delta R.T. 0.00 min
 Lab File: VF062586.D
 Acq: 14 May 2019 16:52

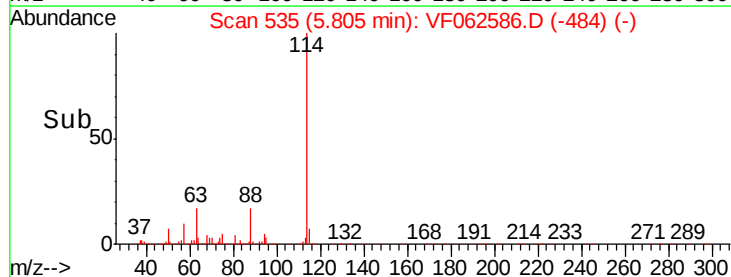
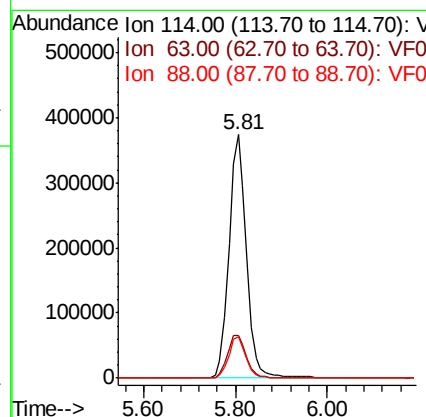
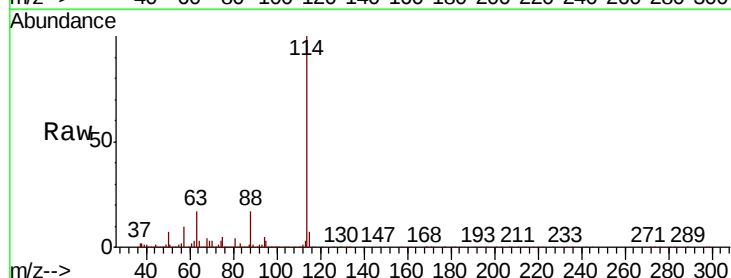
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

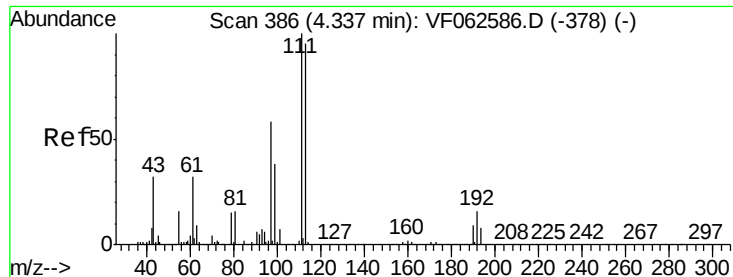
Tot Ion: 65 Resp: 215789
 Ion Ratio Lower Upper
 65 100
 67 58.3 0.0 116.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.81 min Scan# 535
 Delta R.T. 0.00 min
 Lab File: VF062586.D
 Acq: 14 May 2019 16:52

Tgt Ion: 114 Resp: 989696
 Ion Ratio Lower Upper
 114 100
 63 17.3 0.0 34.6
 88 16.8 0.0 33.6

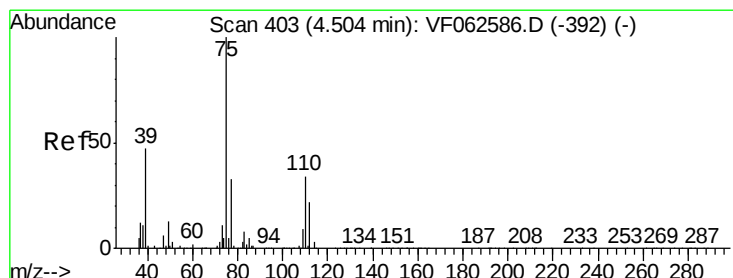
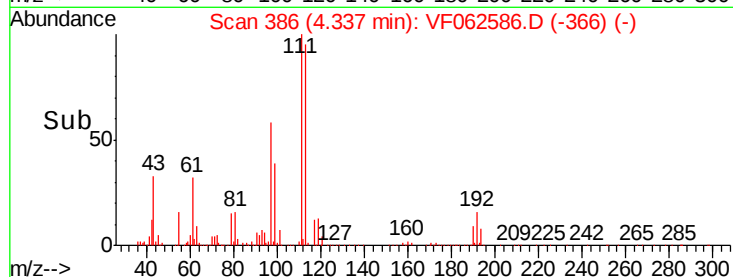
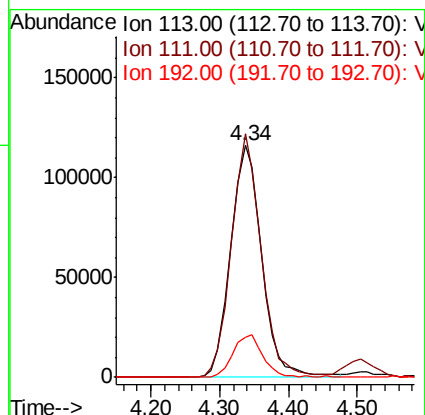
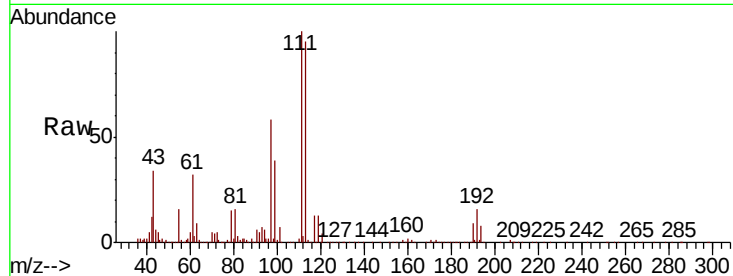




#35
 Dibromofluoromethane
 Concen: 49.294 ug/l
 RT: 4.34 min Scan# 386
 Delta R.T. 0.00 min
 Lab File: VF062586.D
 Acq: 14 May 2019 16:52

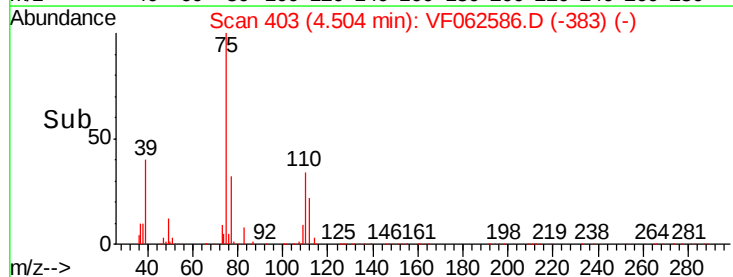
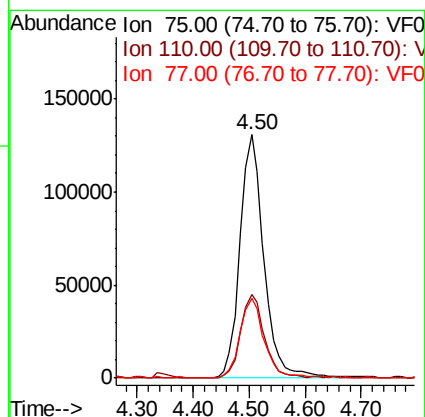
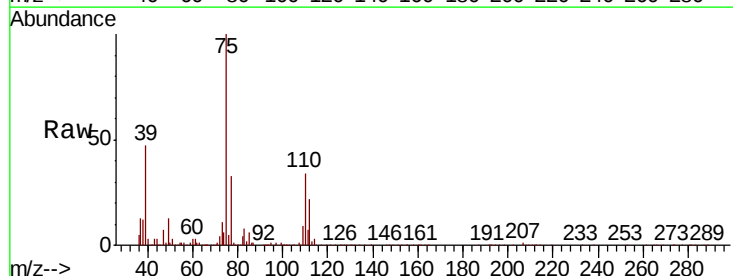
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

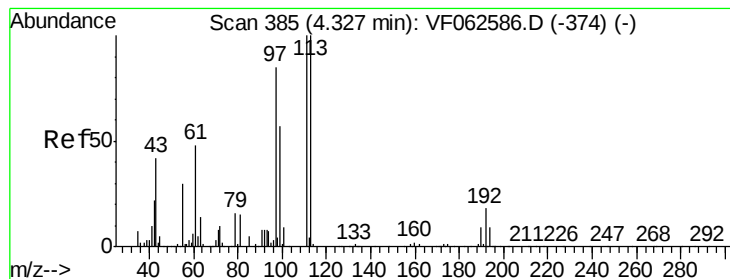
Tot Ion	Ratio	Lower	Upper
113	100		
111	104.9	83.9	125.9
192	17.1	13.7	20.5



#36
 1,1-Dichloropropene
 Concen: 36.105 ug/l
 RT: 4.50 min Scan# 403
 Delta R.T. 0.00 min
 Lab File: VF062586.D
 Acq: 14 May 2019 16:52

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.5	17.3	51.7
77	33.0	26.4	39.6





#37

Ethyl Acetate

Concen: 33.627 ug/l

RT: 4.33 min Scan# 385

Delta R.T. 0.00 min

Lab File: VF062586.D

Acq: 14 May 2019 16:52

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

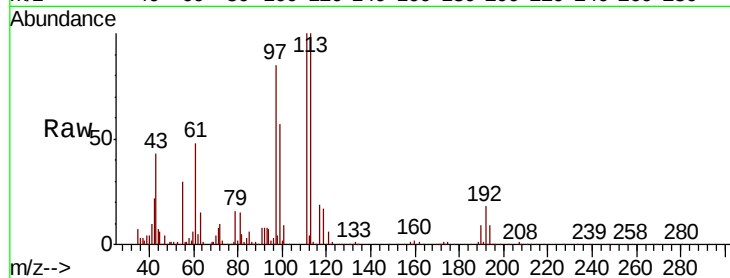
Tot Ion: 43 Resp: 166495

Ion Ratio Lower Upper

43 100

61 110.7 88.6 132.8

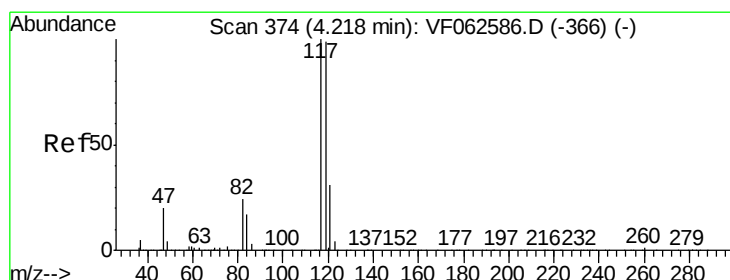
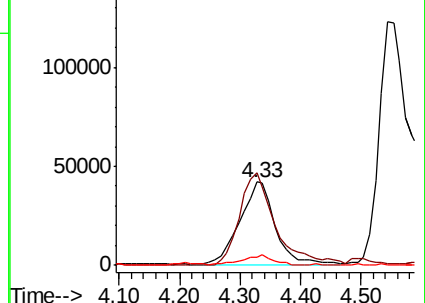
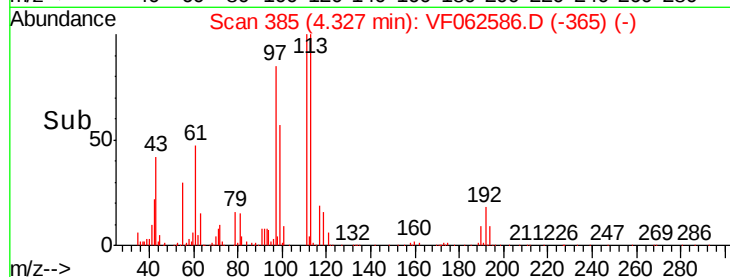
70 10.4 8.3 12.5



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0



#38

Carbon Tetrachloride

Concen: 38.779 ug/l

RT: 4.22 min Scan# 374

Delta R.T. 0.00 min

Lab File: VF062586.D

Acq: 14 May 2019 16:52

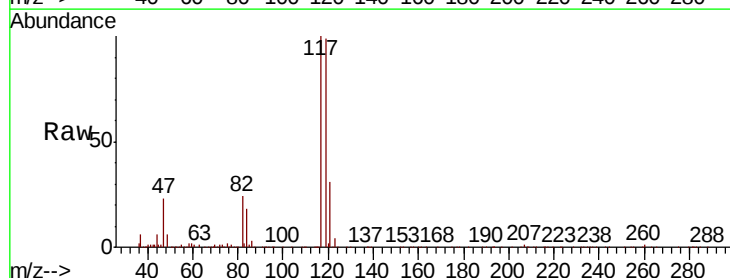
Tgt Ion: 117 Resp: 320278

Ion Ratio Lower Upper

117 100

119 98.8 79.0 118.6

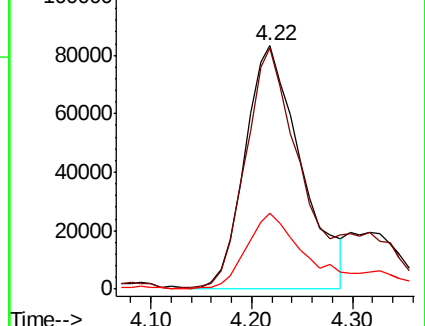
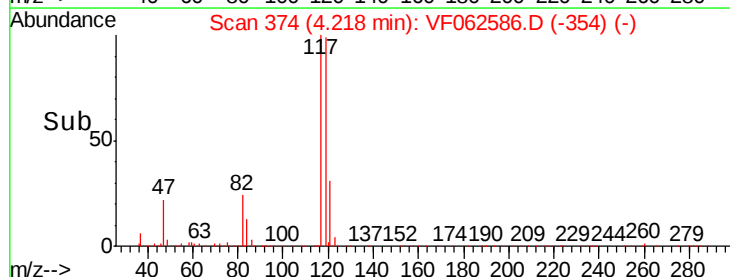
121 31.3 25.0 37.6

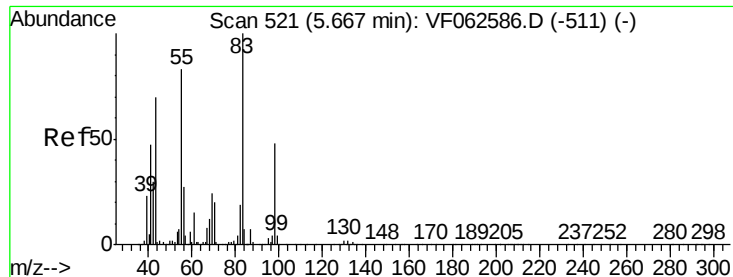


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V

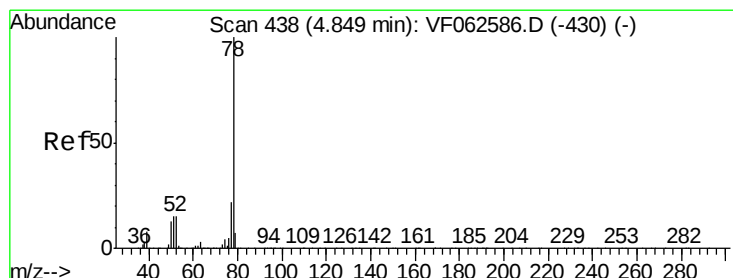
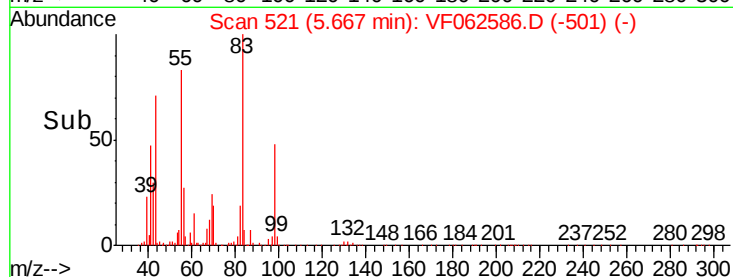
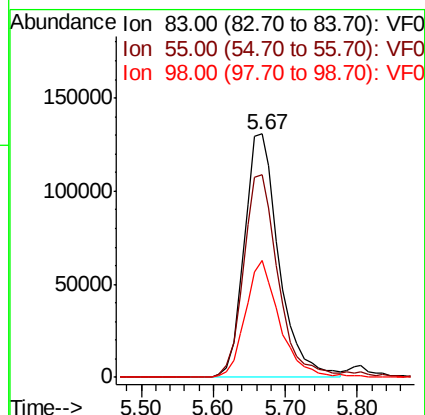
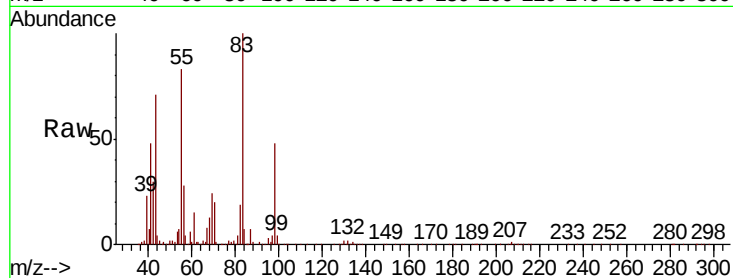




#39
Methylcyclohexane
Concen: 40.664 ug/l
RT: 5.67 min Scan# 521
Delta R.T. 0.00 min
Lab File: VF062586.D
Acq: 14 May 2019 16:52

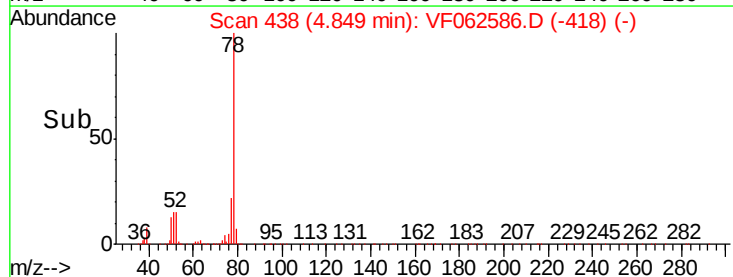
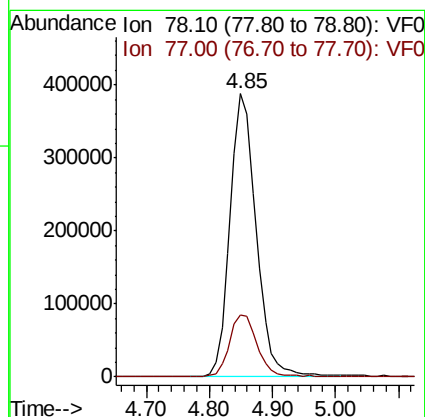
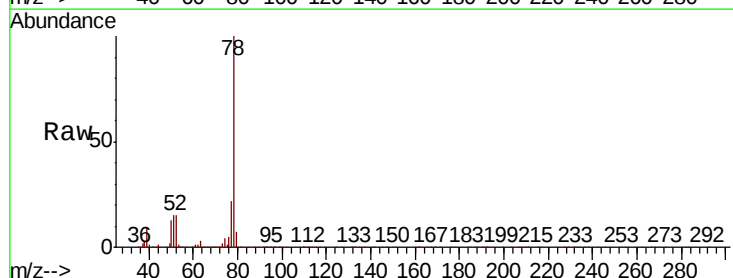
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

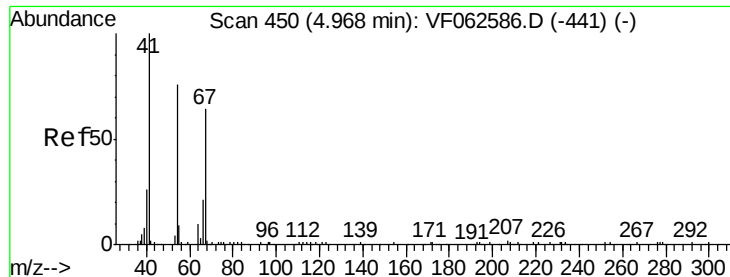
Tot Ion: 83 Resp: 440036
Ion Ratio Lower Upper
83 100
55 83.3 66.6 100.0
98 47.9 38.3 57.5



#40
Benzene
Concen: 46.378 ug/l
RT: 4.85 min Scan# 438
Delta R.T. 0.00 min
Lab File: VF062586.D
Acq: 14 May 2019 16:52

Tgt Ion: 78 Resp: 1118433
Ion Ratio Lower Upper
78 100
77 22.1 17.7 26.5

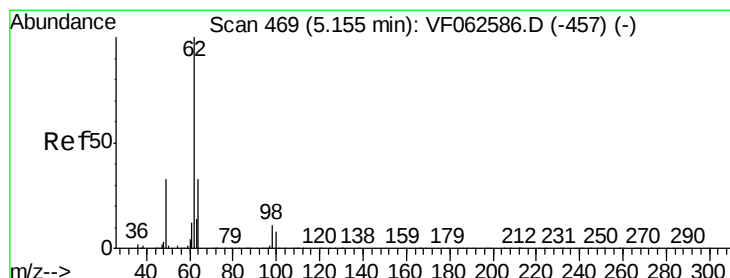
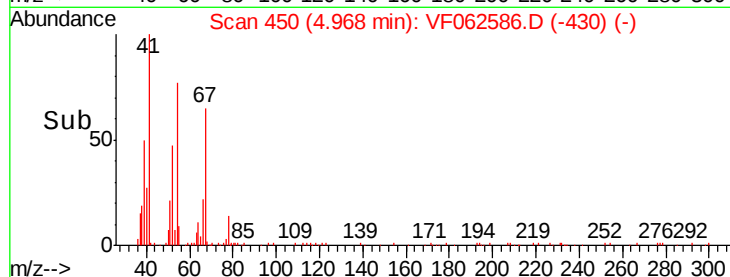
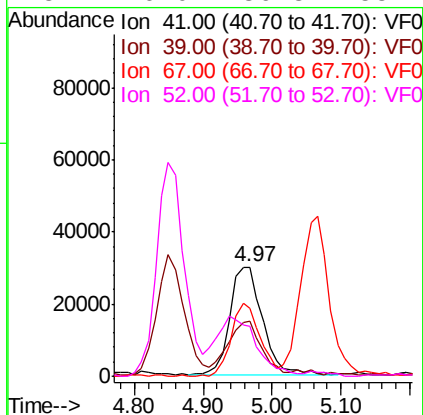
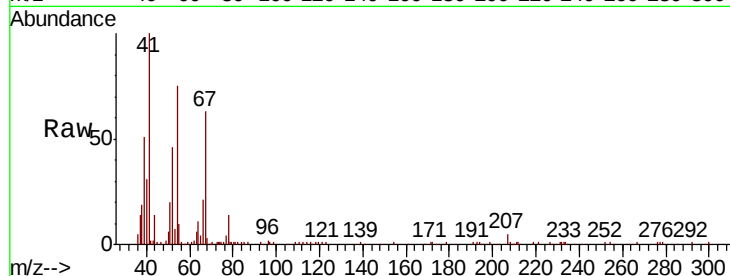




#41
Methacrylonitrile
Concen: 35.175 ug/l
RT: 4.97 min Scan# 450
Delta R.T. 0.00 min
Lab File: VF062586.D
Acq: 14 May 2019 16:52

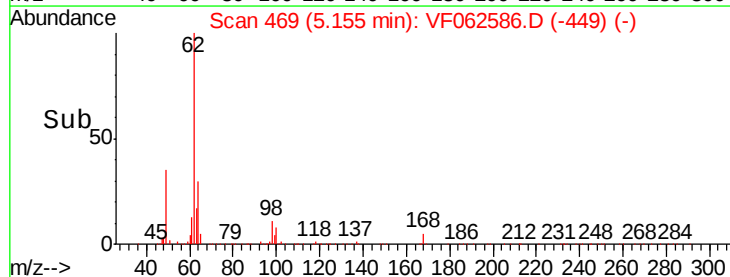
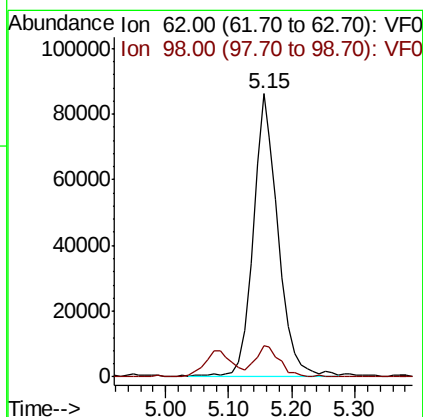
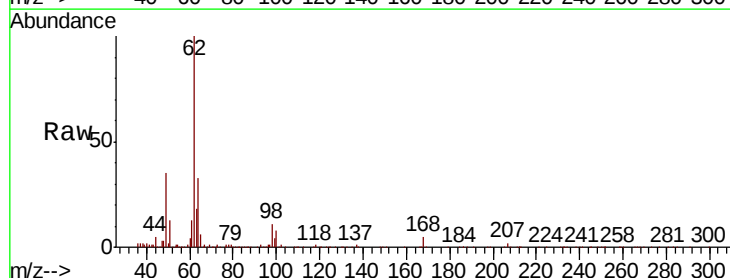
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

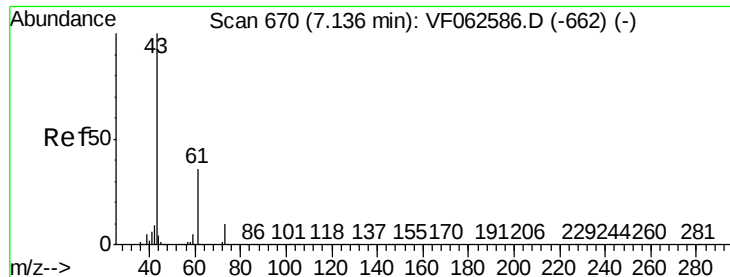
Tot Ion:	41	Resp:	98147
Ion	Ratio	Lower	Upper
41	100		
39	51.0	40.8	61.2
67	62.7	50.2	75.2
52	46.0	36.8	55.2



#42
1,2-Dichloroethane
Concen: 28.066 ug/l
RT: 5.15 min Scan# 469
Delta R.T. 0.00 min
Lab File: VF062586.D
Acq: 14 May 2019 16:52

Tgt Ion:	62	Resp:	236705
Ion	Ratio	Lower	Upper
62	100		
98	11.1	0.0	22.2



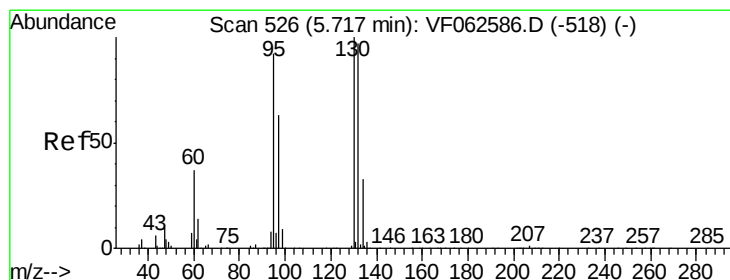
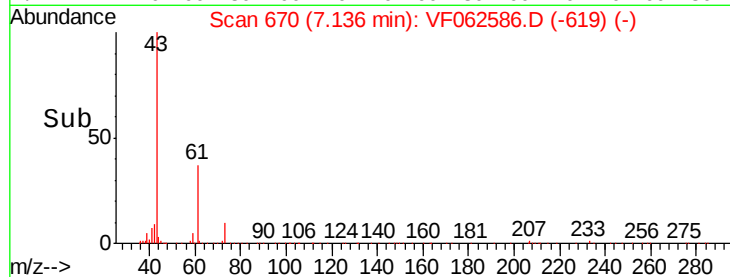
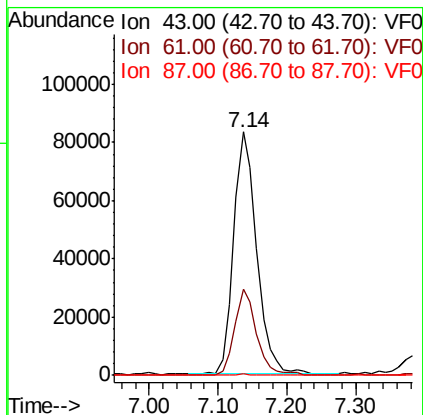
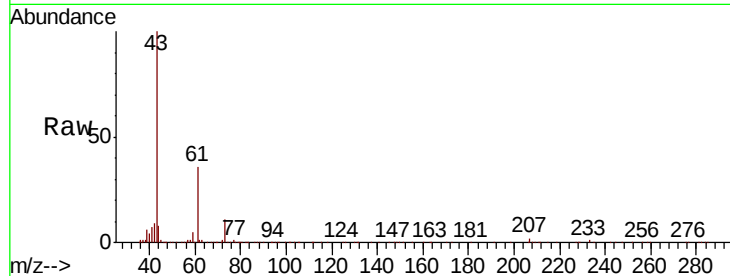


#43

Isopropyl Acetate
 Concen: 36.000 ug/l
 RT: 7.14 min Scan# 670
 Delta R.T. 0.00 min
 Lab File: VF062586.D
 Acq: 14 May 2019 16:52

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

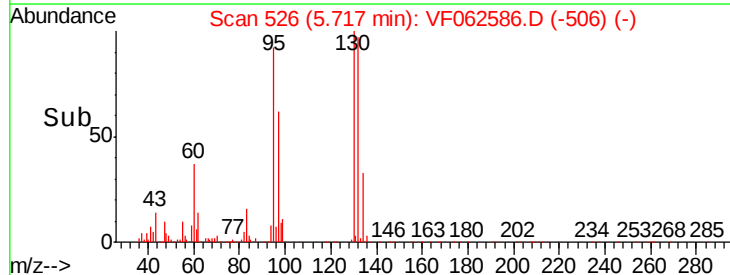
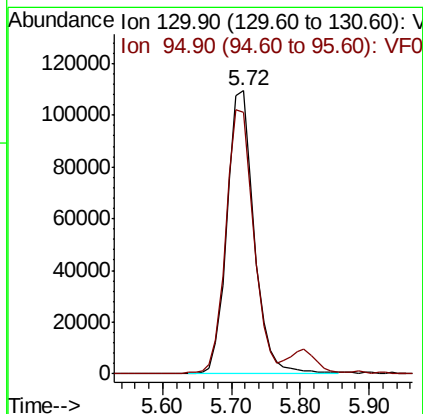
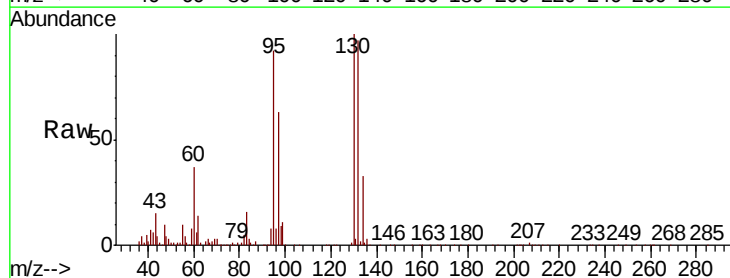
Tot Ion: 43 Resp: 192390
 Ion Ratio Lower Upper
 43 100
 61 35.6 28.5 42.7
 87 0.5 0.4 0.6

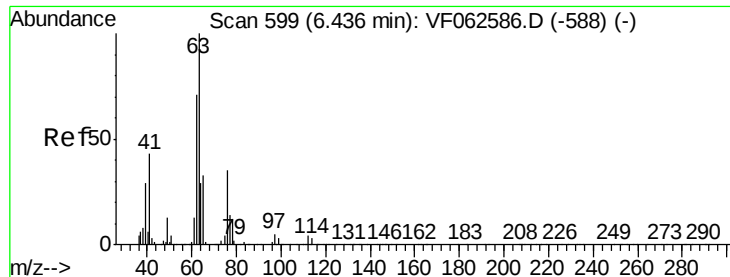


#44

Trichloroethene
 Concen: 40.967 ug/l
 RT: 5.72 min Scan# 526
 Delta R.T. 0.00 min
 Lab File: VF062586.D
 Acq: 14 May 2019 16:52

Tgt Ion: 130 Resp: 298871
 Ion Ratio Lower Upper
 130 100
 95 92.5 0.0 185.0





#45

1,2-Dichloropropane

Concen: 49.156 ug/l

RT: 6.44 min Scan# 599

Delta R.T. 0.00 min

Lab File: VF062586.D

Acq: 14 May 2019 16:52

Instrument :

MSVOA_F

ClientSampleId :

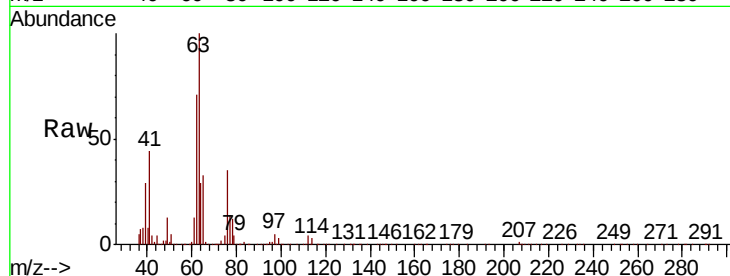
VSTDICCC050

Tot Ion: 63 Resp: 282116

Ion Ratio Lower Upper

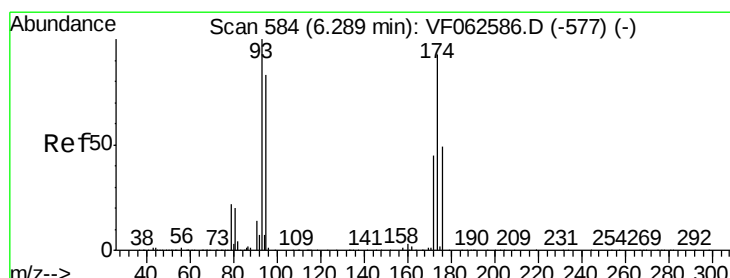
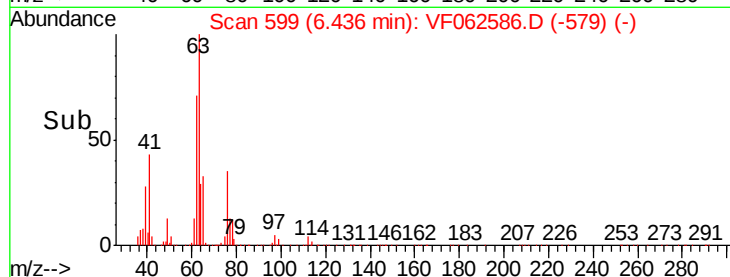
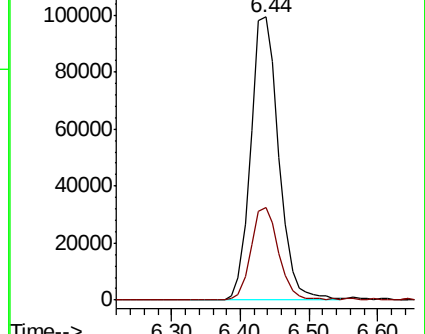
63 100

65 32.8 26.2 39.4



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 43.308 ug/l

RT: 6.29 min Scan# 584

Delta R.T. 0.00 min

Lab File: VF062586.D

Acq: 14 May 2019 16:52

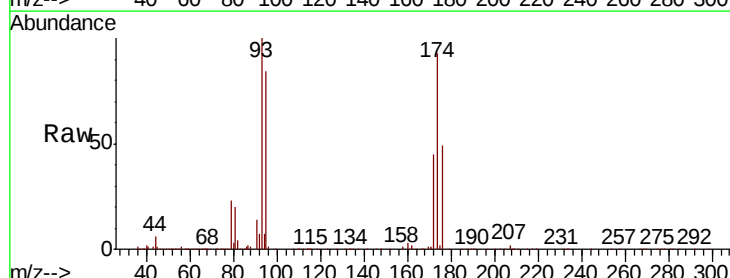
Tgt Ion: 93 Resp: 165553

Ion Ratio Lower Upper

93 100

95 83.6 66.9 100.3

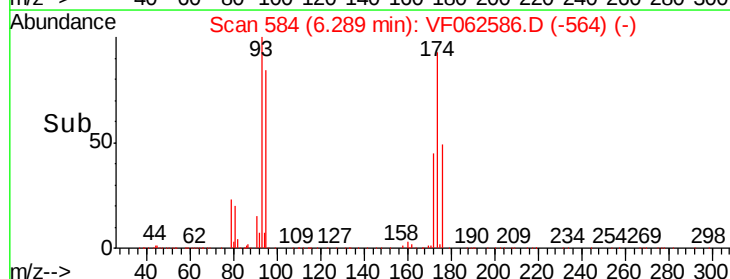
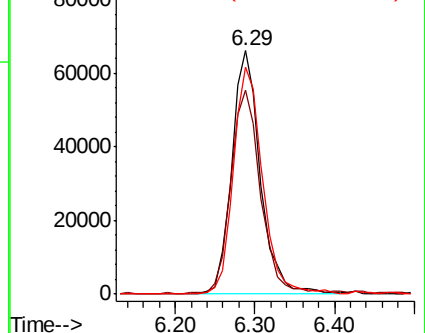
174 93.3 74.6 112.0

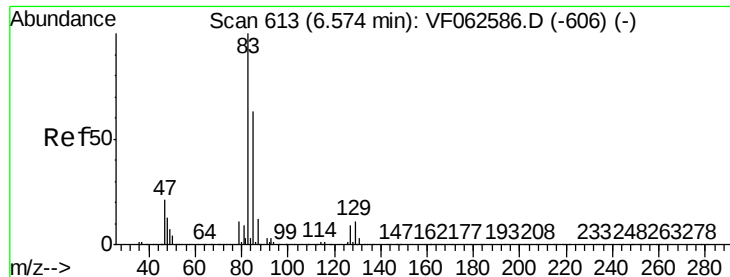


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 35.532 ug/l

RT: 6.57 min Scan# 613

Delta R.T. 0.00 min

Lab File: VF062586.D

Acq: 14 May 2019 16:52

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

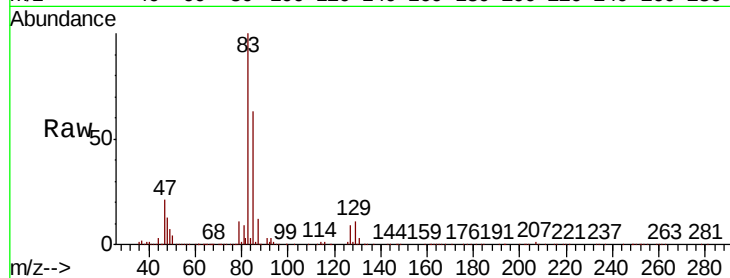
Tot Ion: 83 Resp: 358645

Ion Ratio Lower Upper

83 100

85 62.9 50.3 75.5

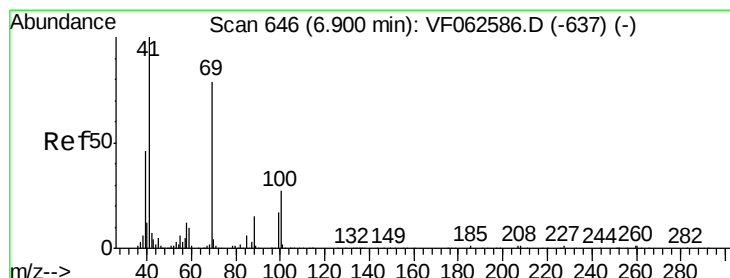
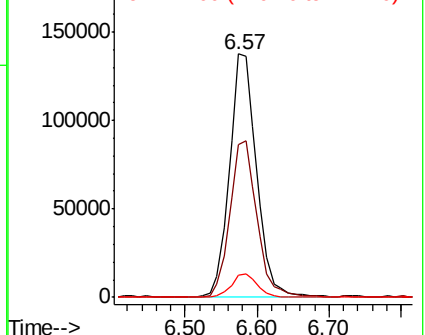
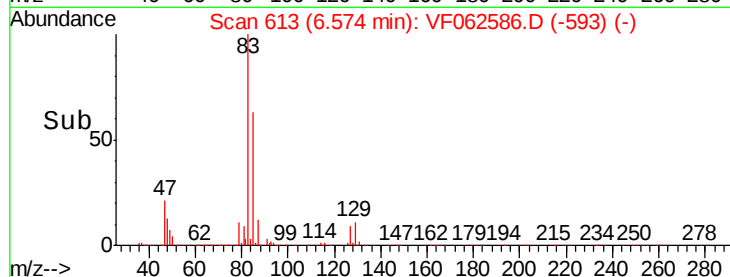
127 9.0 7.2 10.8



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: 27.128 ug/l

RT: 6.90 min Scan# 646

Delta R.T. 0.00 min

Lab File: VF062586.D

Acq: 14 May 2019 16:52

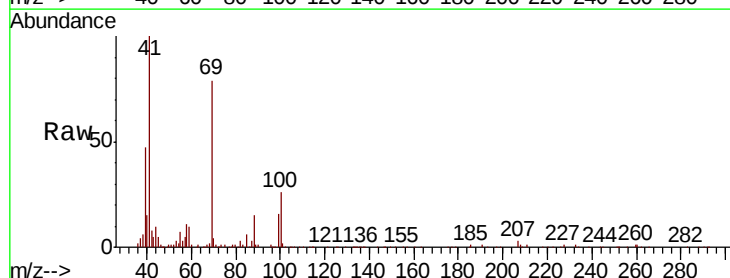
Tgt Ion: 41 Resp: 107662

Ion Ratio Lower Upper

41 100

69 78.8 63.0 94.6

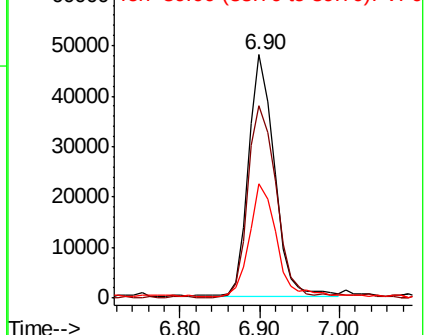
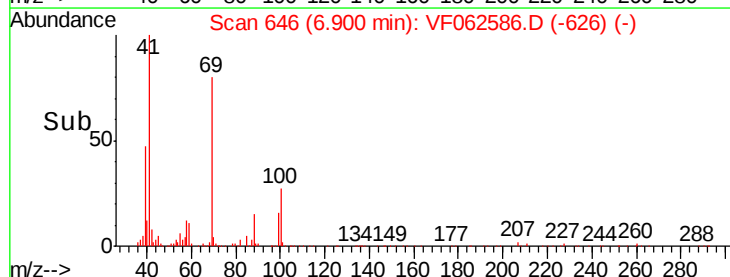
39 47.0 37.6 56.4

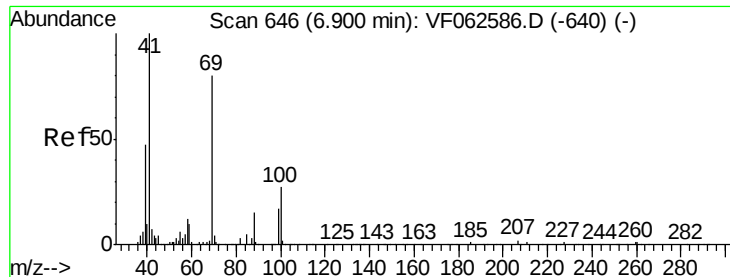


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 1003.078 ug/l

RT: 6.90 min Scan# 646

Delta R.T. 0.00 min

Lab File: VF062586.D

Acq: 14 May 2019 16:52

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

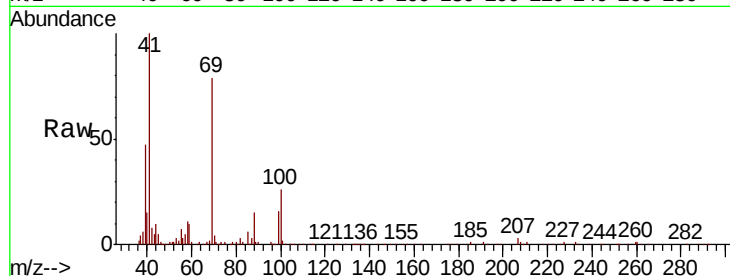
Tot Ion: 88 Resp: 25902

Ion Ratio Lower Upper

88 100

43 36.0 28.8 43.2

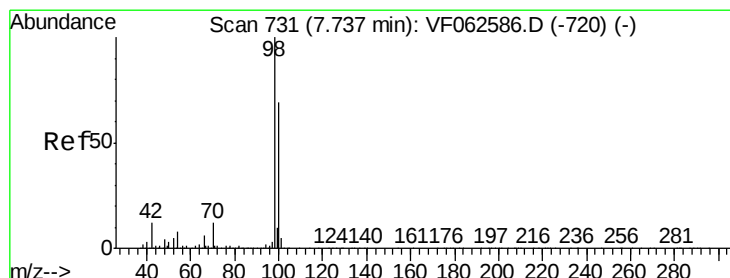
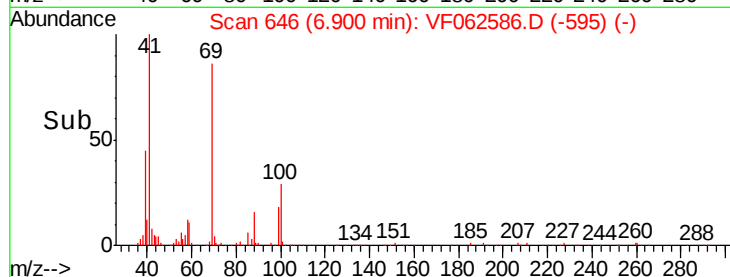
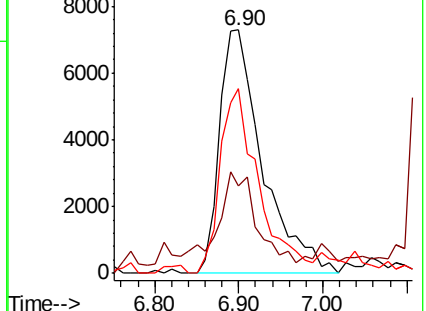
58 75.7 60.6 90.8



Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#50

Toluene-d8

Concen: 42.272 ug/l

RT: 7.74 min Scan# 731

Delta R.T. 0.00 min

Lab File: VF062586.D

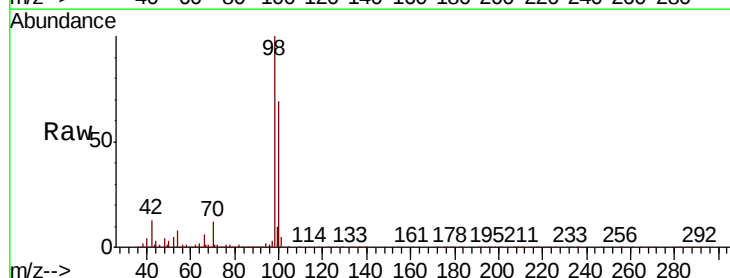
Acq: 14 May 2019 16:52

Tgt Ion: 98 Resp: 876585

Ion Ratio Lower Upper

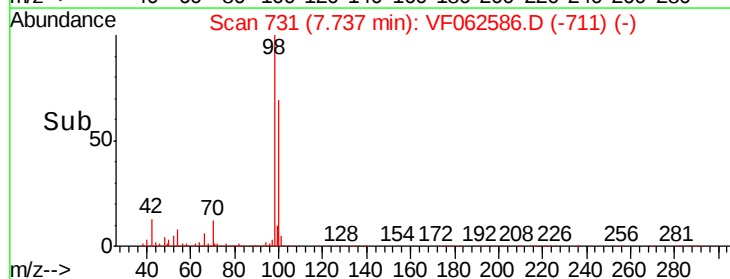
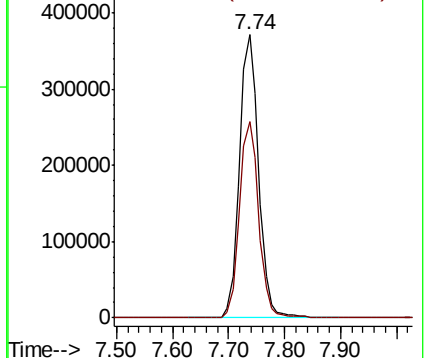
98 100

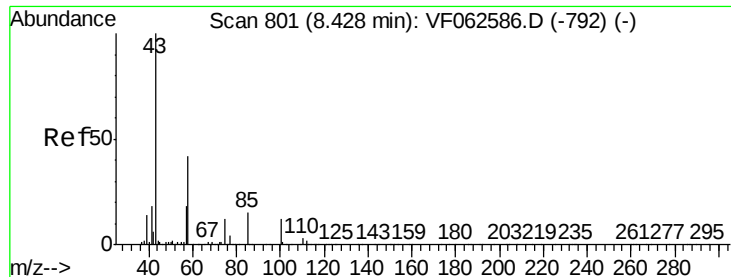
100 69.2 55.4 83.0



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#51

4-Methyl-2-Pentanone

Concen: 180.504 ug/l

RT: 8.43 min Scan# 801

Delta R.T. 0.00 min

Lab File: VF062586.D

Acq: 14 May 2019 16:52

Instrument :

MSVOA_F

ClientSampleId :

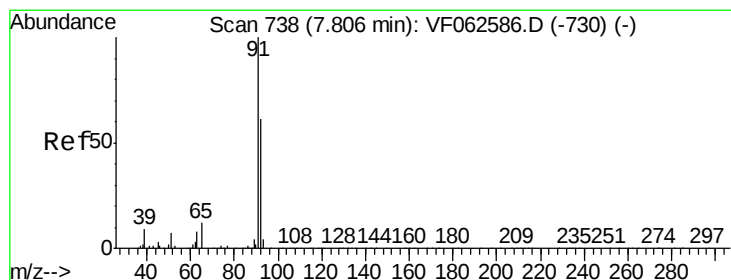
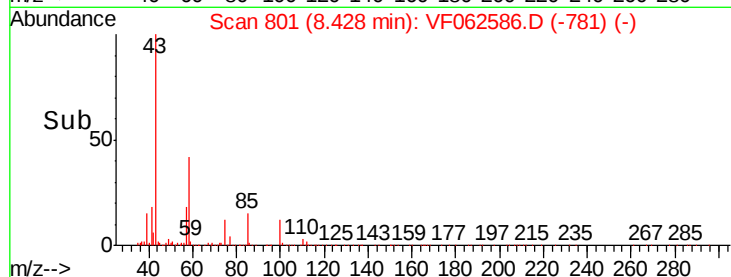
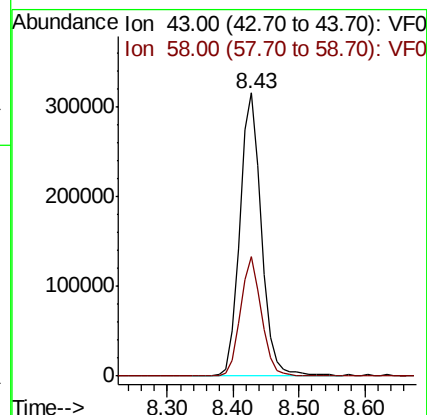
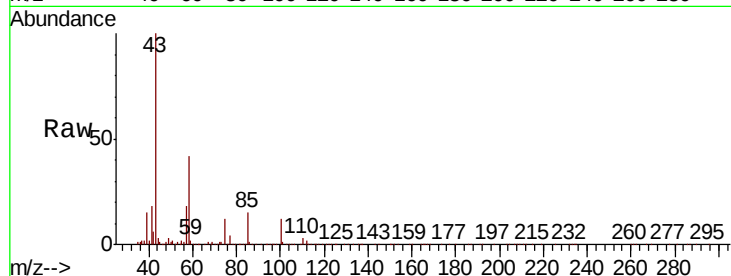
VSTDICCC050

Tot Ion: 43 Resp: 727536

Ion Ratio Lower Upper

43 100

58 42.0 33.6 50.4



#52

Toluene

Concen: 38.252 ug/l

RT: 7.81 min Scan# 738

Delta R.T. 0.00 min

Lab File: VF062586.D

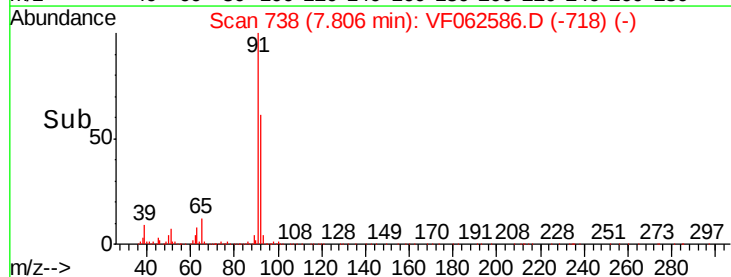
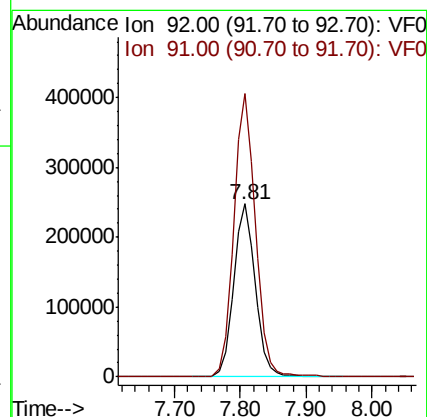
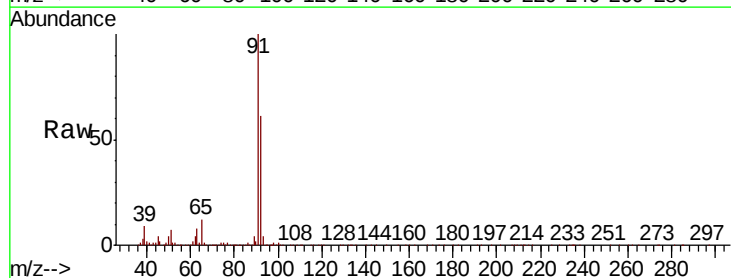
Acq: 14 May 2019 16:52

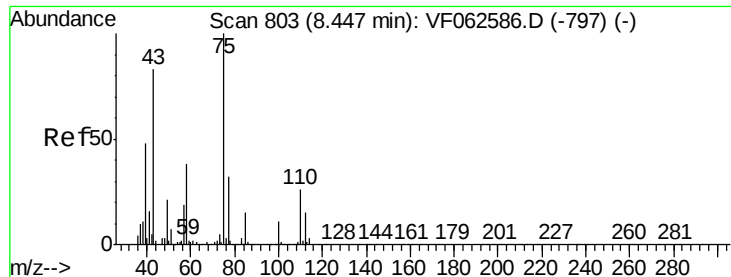
Tgt Ion: 92 Resp: 572281

Ion Ratio Lower Upper

92 100

91 163.7 131.0 196.4

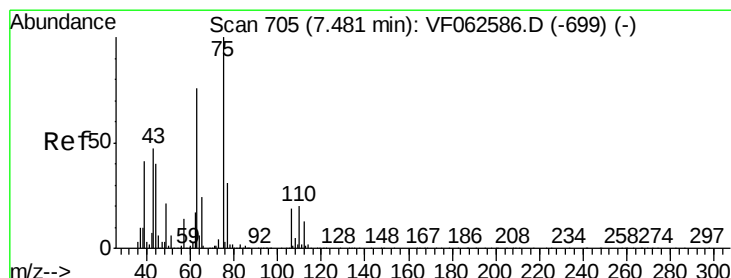
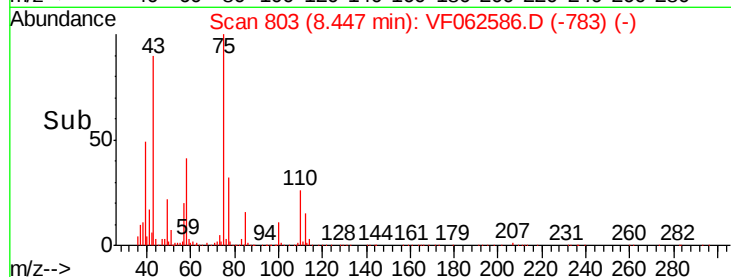
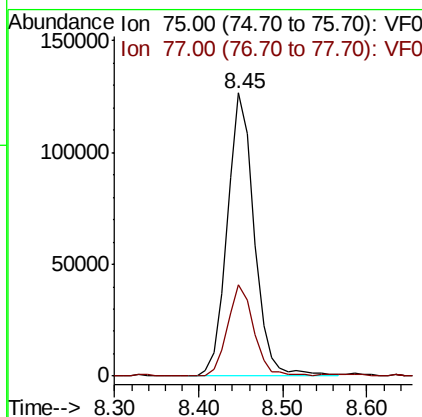
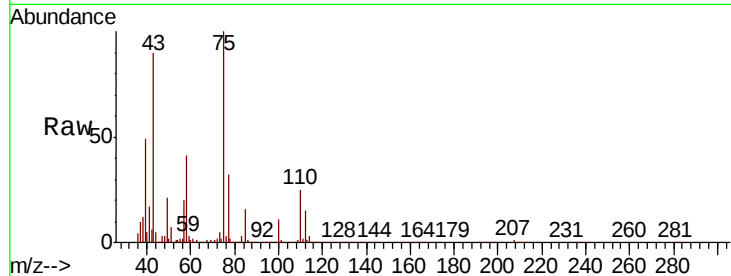




#53
t-1,3-Dichloropropene
Concen: 34.674 ug/l
RT: 8.45 min Scan# 803
Delta R.T. 0.00 min
Lab File: VF062586.D
Acq: 14 May 2019 16:52

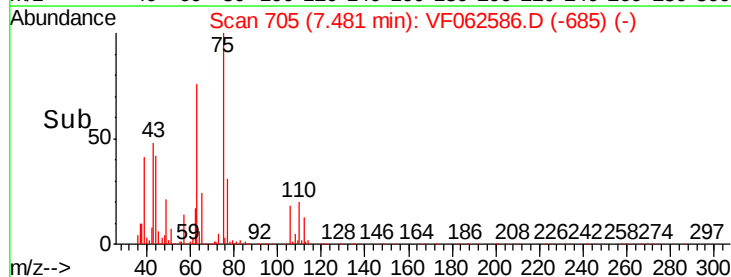
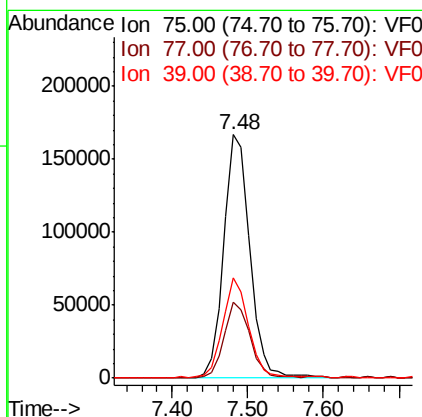
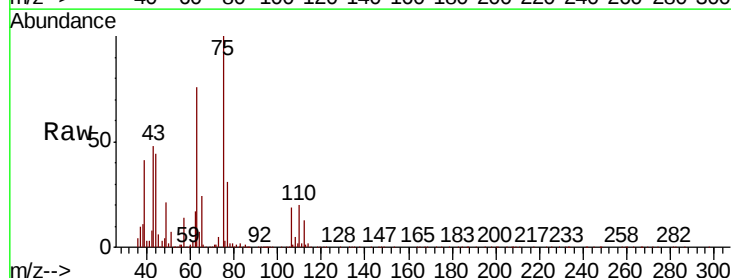
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

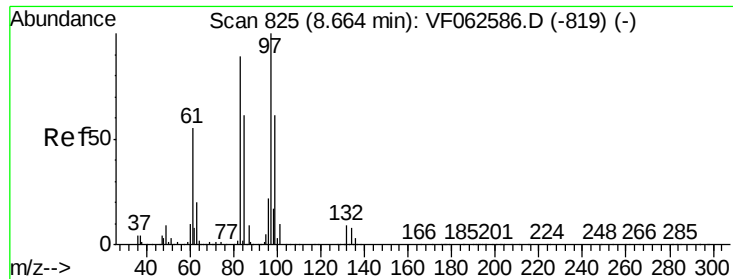
Tot Ion: 75 Resp: 280917
Ion Ratio Lower Upper
75 100
77 32.1 25.7 38.5



#54
cis-1,3-Dichloropropene
Concen: 39.693 ug/l
RT: 7.48 min Scan# 705
Delta R.T. 0.00 min
Lab File: VF062586.D
Acq: 14 May 2019 16:52

Tgt Ion: 75 Resp: 399127
Ion Ratio Lower Upper
75 100
77 31.3 25.0 37.6
39 41.0 32.8 49.2

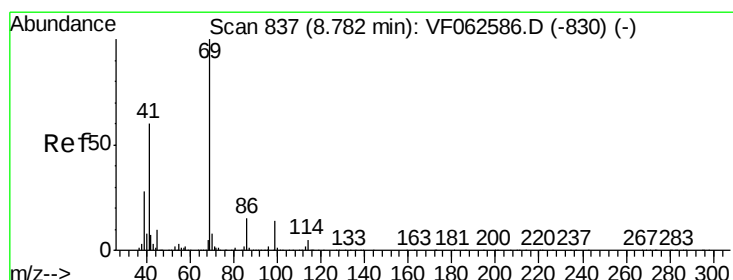
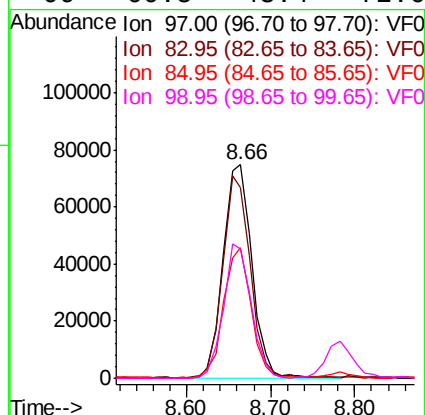
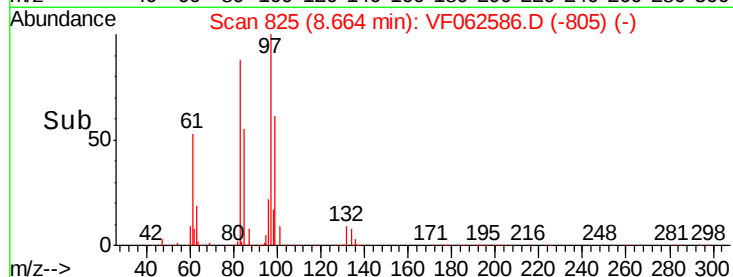
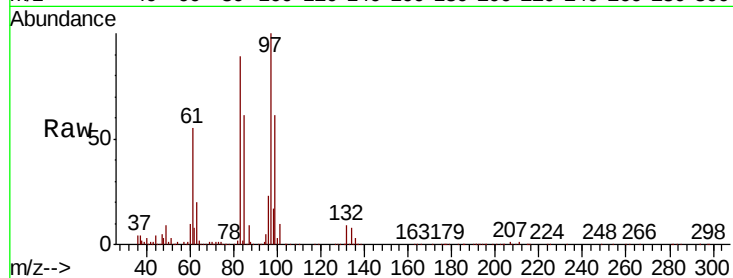




#55
 1,1,2-Trichloroethane
 Concen: 42.479 ug/l
 RT: 8.66 min Scan# 825
 Delta R.T. 0.00 min
 Lab File: VF062586.D
 Acq: 14 May 2019 16:52

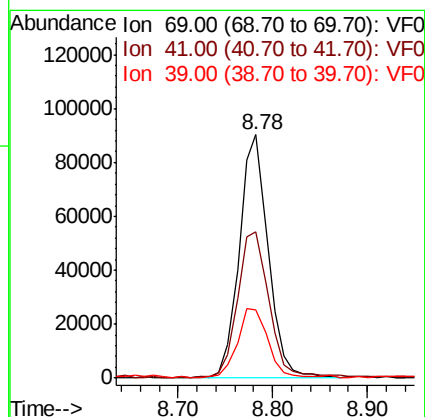
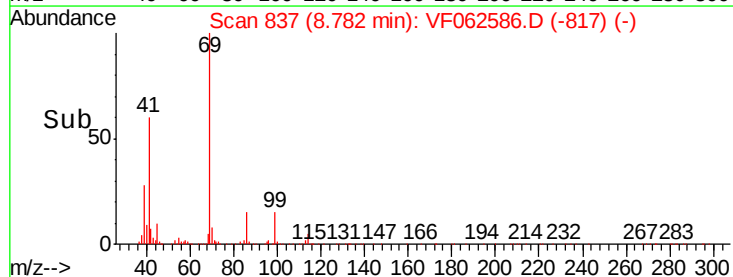
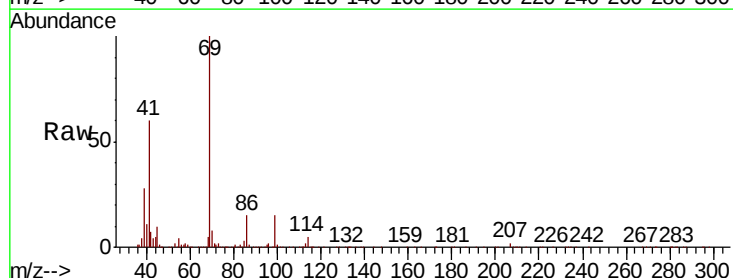
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

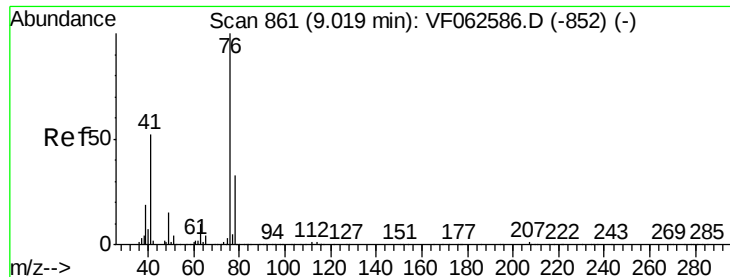
Tot Ion:	97	Resp:	177796
Ion	Ratio	Lower	Upper
97	100		
83	89.1	71.3	106.9
85	61.1	48.9	73.3
99	60.5	48.4	72.6



#56
 Ethyl methacrylate
 Concen: 34.890 ug/l
 RT: 8.78 min Scan# 837
 Delta R.T. 0.00 min
 Lab File: VF062586.D
 Acq: 14 May 2019 16:52

Tgt Ion:	69	Resp:	191387
Ion	Ratio	Lower	Upper
69	100		
41	60.1	48.1	72.1
39	28.1	22.5	33.7





#57

1,3-Dichloropropane

Concen: 40.509 ug/l

RT: 9.02 min Scan# 861

Delta R.T. 0.00 min

Lab File: VF062586.D

Acq: 14 May 2019 16:52

Instrument :

MSVOA_F

ClientSampleId :

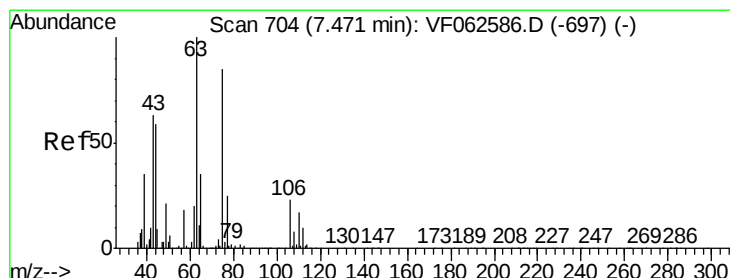
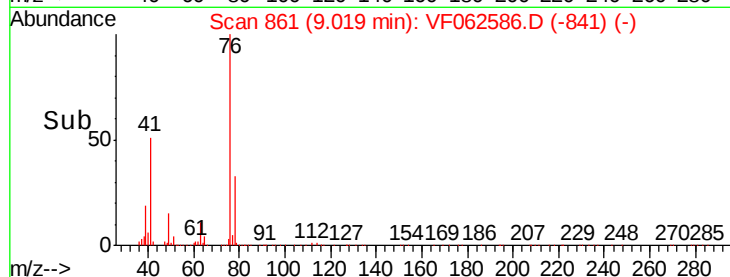
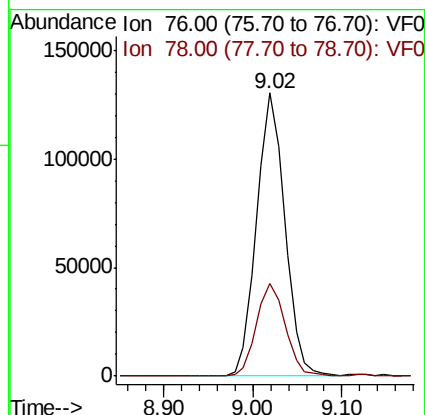
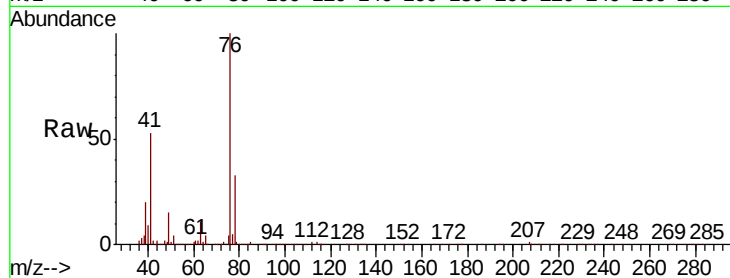
VSTDICCC050

Tot Ion: 76 Resp: 285513

Ion Ratio Lower Upper

76 100

78 33.0 26.4 39.6



#58

2-Chloroethyl Vinyl ether

Concen: 354.383 ug/l

RT: 7.47 min Scan# 704

Delta R.T. 0.00 min

Lab File: VF062586.D

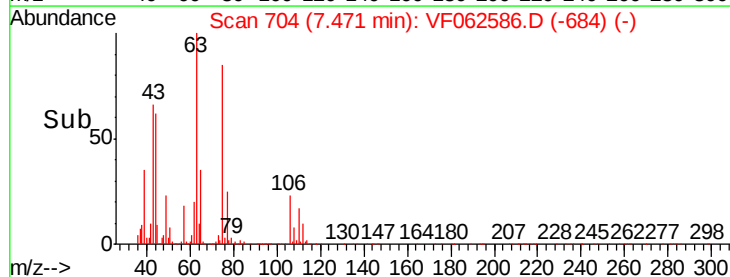
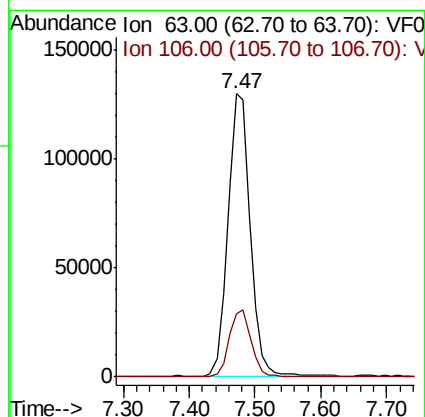
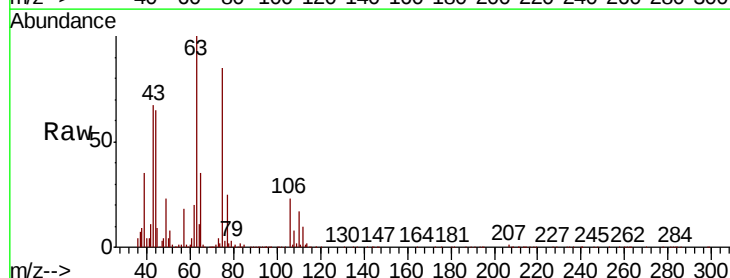
Acq: 14 May 2019 16:52

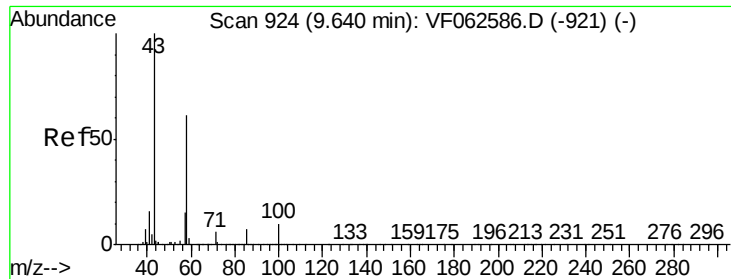
Tgt Ion: 63 Resp: 307435

Ion Ratio Lower Upper

63 100

106 22.5 18.0 27.0

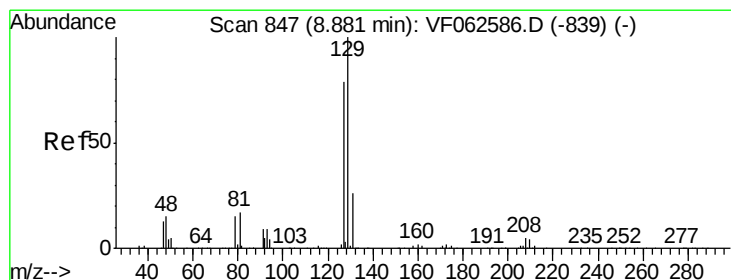
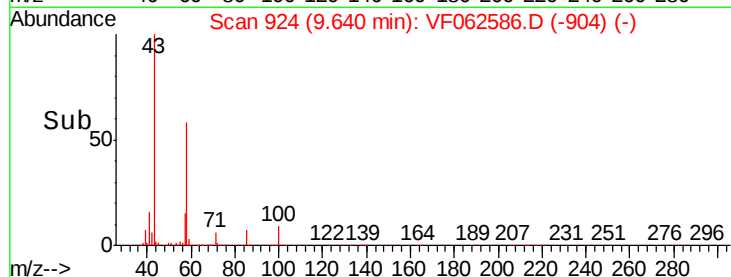
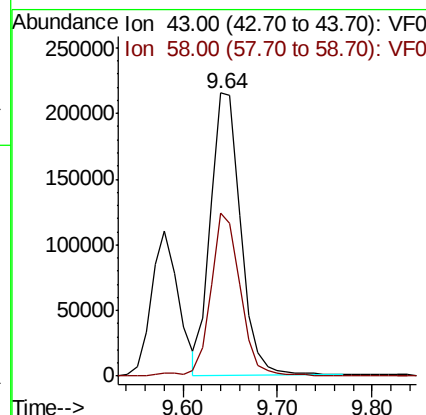
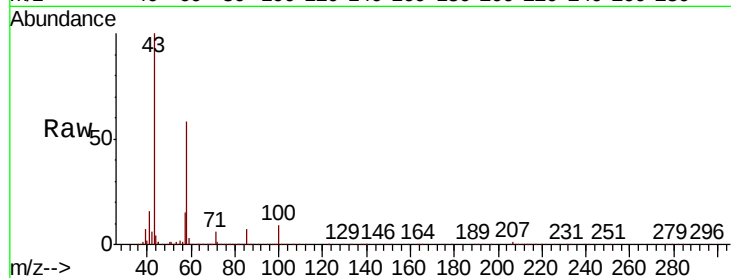




#59
2-Hexanone
Concen: 168.164 ug/l
RT: 9.64 min Scan# 924
Delta R.T. 0.00 min
Lab File: VF062586.D
Acq: 14 May 2019 16:52

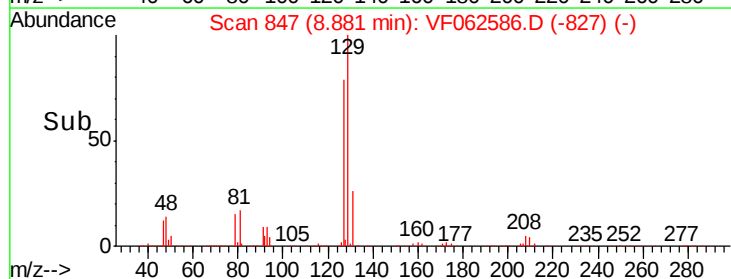
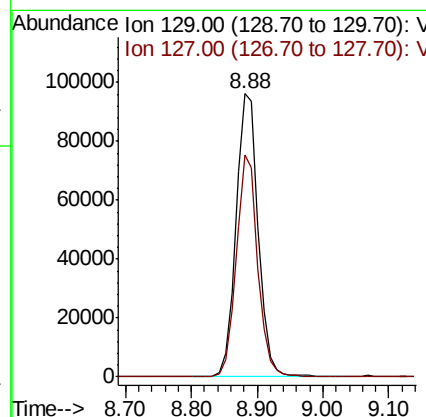
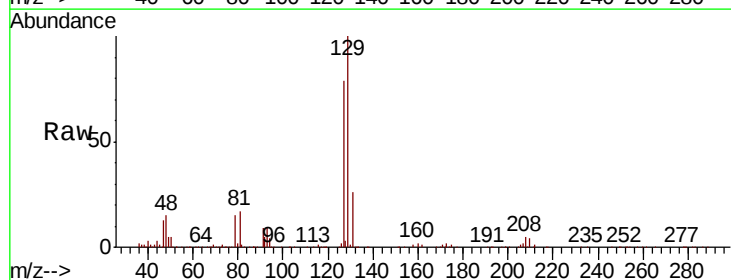
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

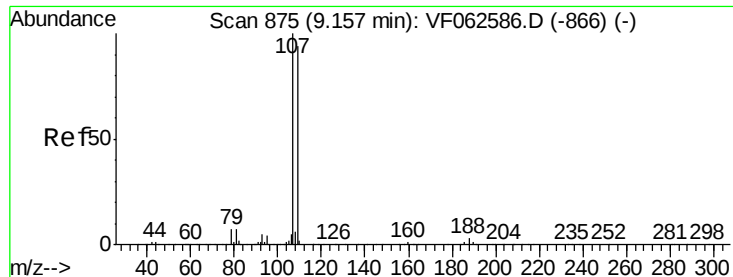
Tot Ion: 43 Resp: 477302
Ion Ratio Lower Upper
43 100
58 57.5 28.7 86.3



#60
Dibromochloromethane
Concen: 38.198 ug/l
RT: 8.88 min Scan# 847
Delta R.T. 0.00 min
Lab File: VF062586.D
Acq: 14 May 2019 16:52

Tgt Ion: 129 Resp: 227687
Ion Ratio Lower Upper
129 100
127 78.6 39.3 117.9





#61

1,2-Dibromoethane

Concen: 39.634 ug/l

RT: 9.16 min Scan# 875

Delta R.T. 0.00 min

Lab File: VF062586.D

Acq: 14 May 2019 16:52

Instrument :

MSVOA_F

ClientSampleId :

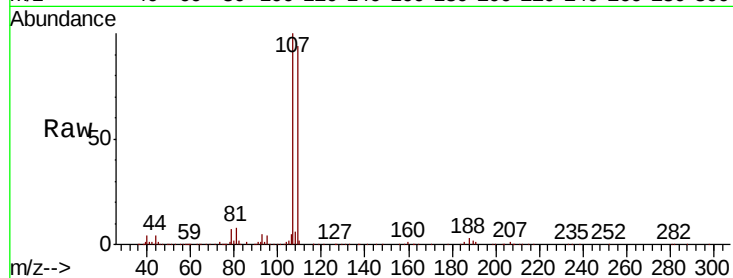
VSTDICCC050

Tot Ion:107 Resp: 174459

Ion Ratio Lower Upper

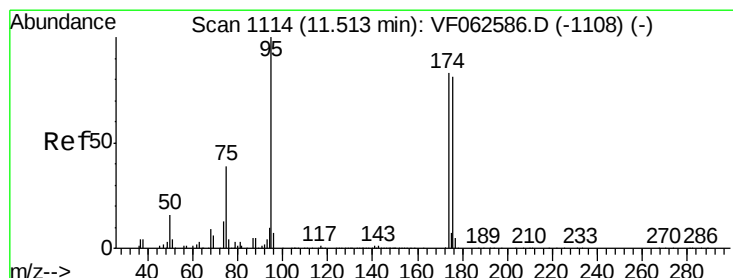
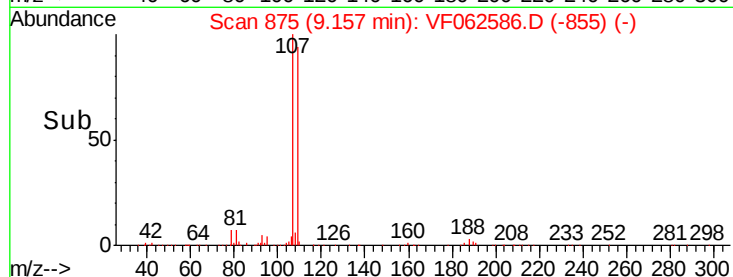
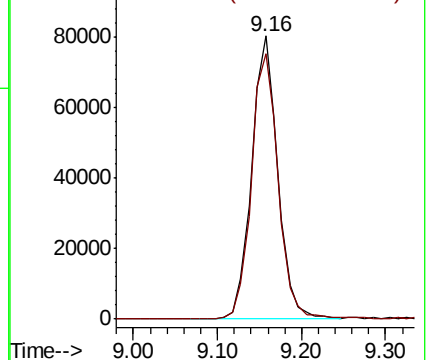
107 100

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: 36.885 ug/l

RT: 11.51 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VF062586.D

Acq: 14 May 2019 16:52

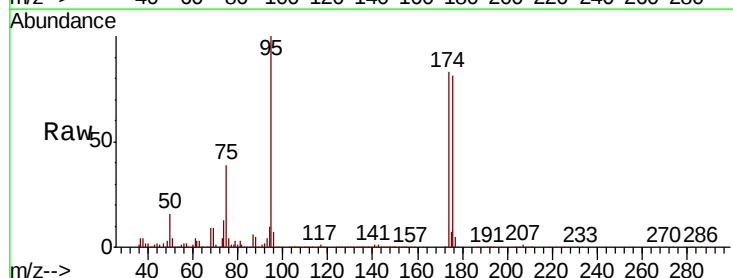
Tgt Ion: 95 Resp: 305535

Ion Ratio Lower Upper

95 100

174 83.3 0.0 166.6

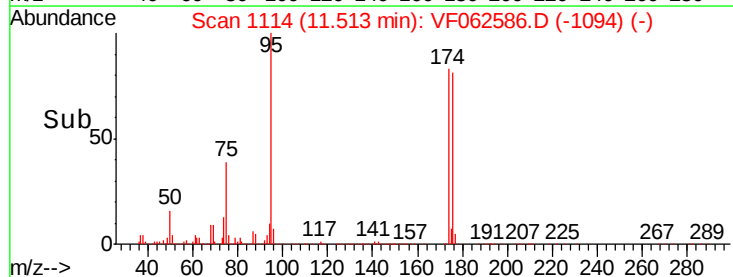
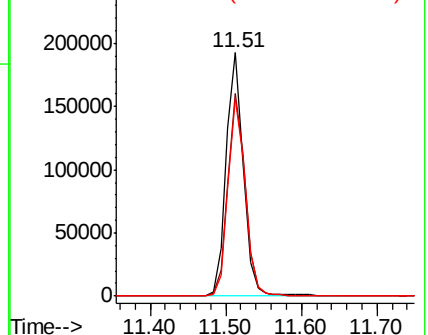
176 80.9 0.0 161.8

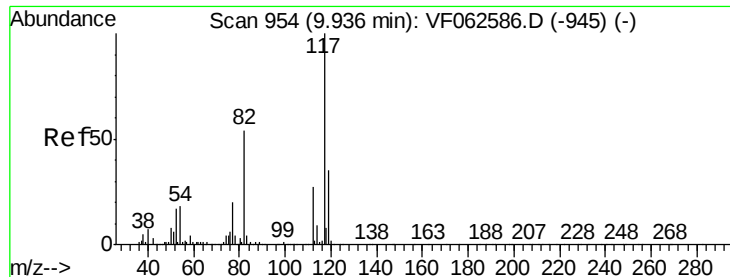


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

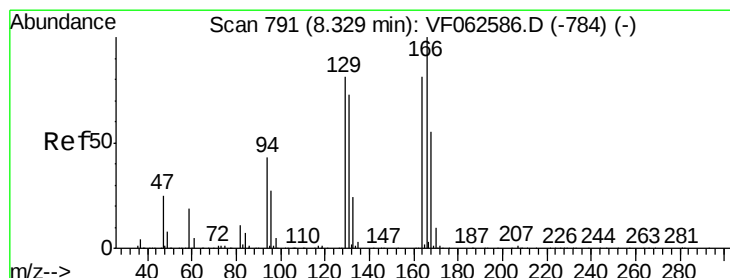
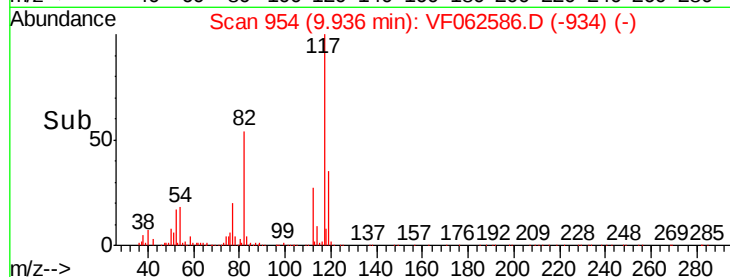
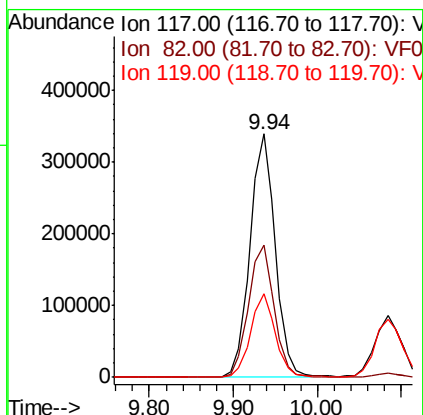
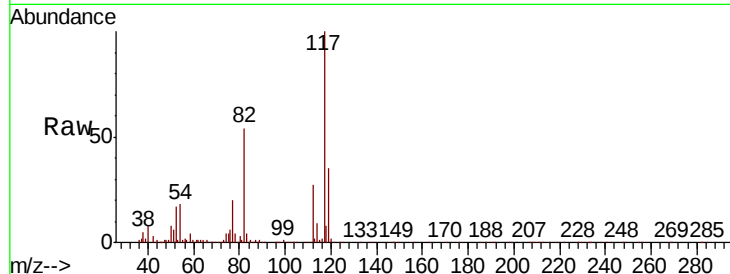




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.94 min Scan# 954
Delta R.T. 0.00 min
Lab File: VF062586.D
Acq: 14 May 2019 16:52

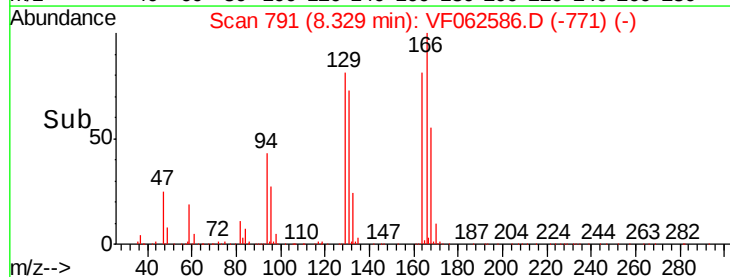
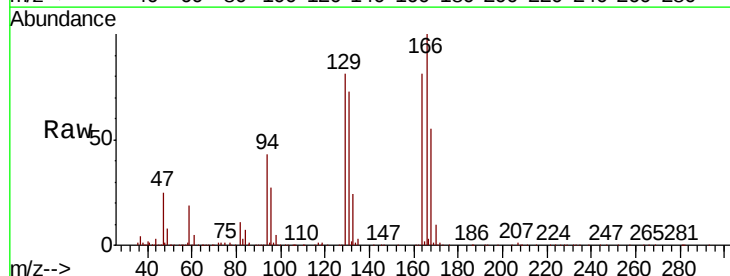
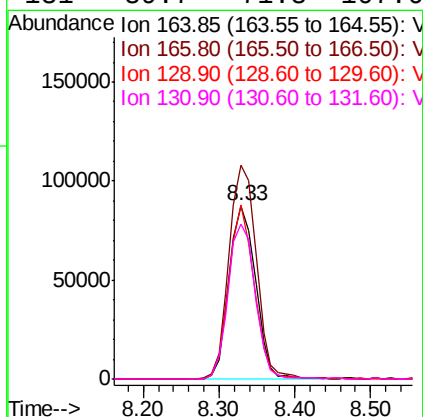
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

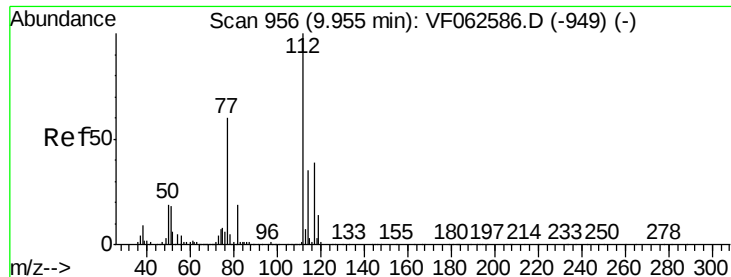
Tot Ion	Ratio	Lower	Upper
117	100		
82	54.2	43.4	65.0
119	34.6	27.7	41.5



#64
Tetrachloroethene
Concen: 40.835 ug/l
RT: 8.33 min Scan# 791
Delta R.T. 0.00 min
Lab File: VF062586.D
Acq: 14 May 2019 16:52

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.3	98.6	148.0
129	100.3	80.2	120.4
131	89.7	71.8	107.6

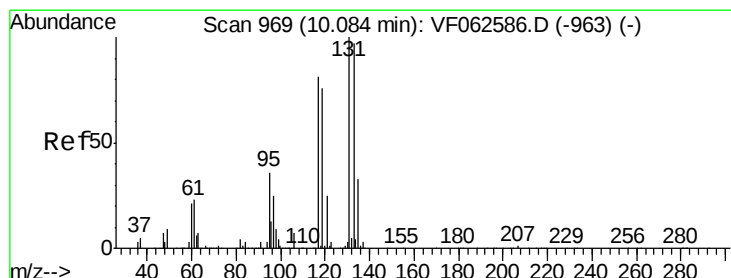
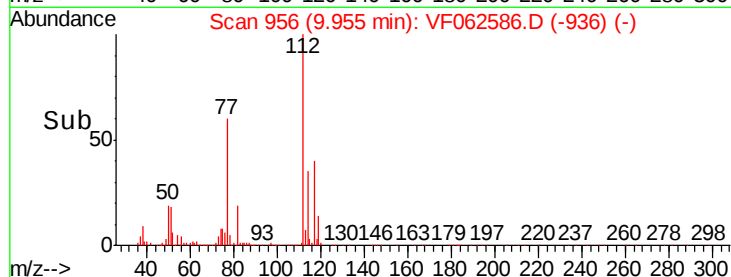
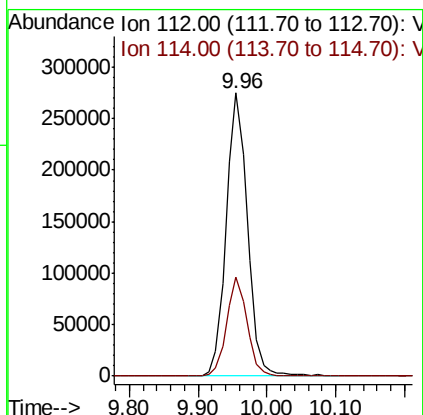
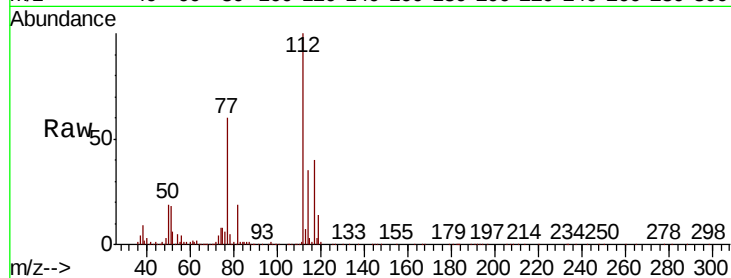




#65
Chlorobenzene
Concen: 42.595 ug/l
RT: 9.96 min Scan# 956
Delta R.T. 0.00 min
Lab File: VF062586.D
Acq: 14 May 2019 16:52

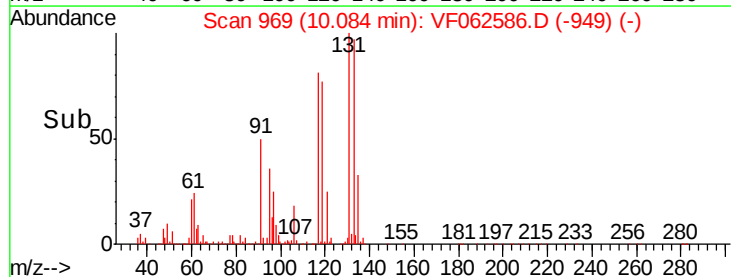
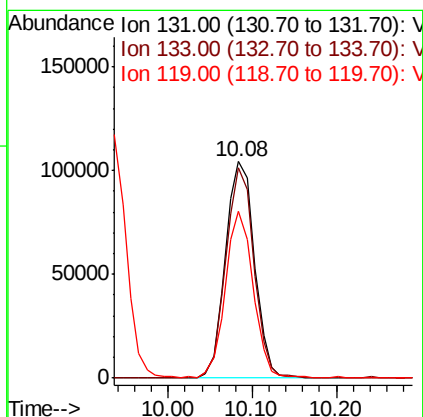
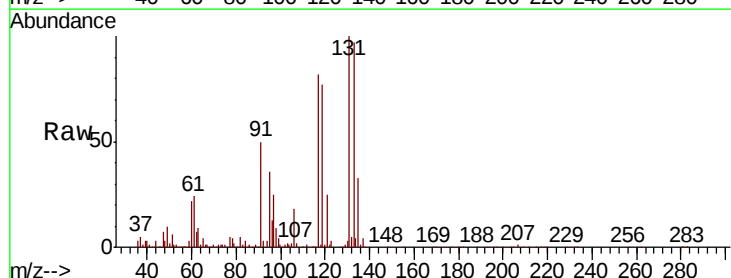
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

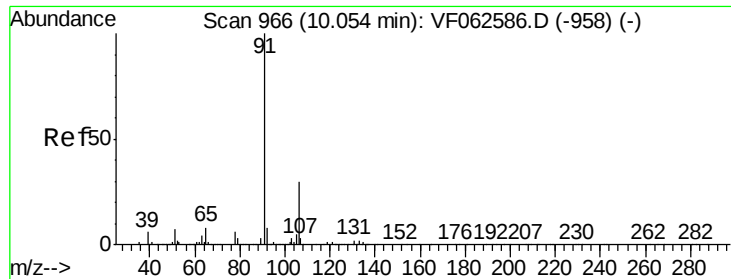
Tot Ion:112 Resp: 588500
Ion Ratio Lower Upper
112 100
114 34.9 27.9 41.9



#66
1,1,1,2-Tetrachloroethane
Concen: 42.036 ug/l
RT: 10.08 min Scan# 969
Delta R.T. 0.00 min
Lab File: VF062586.D
Acq: 14 May 2019 16:52

Tgt Ion:131 Resp: 250654
Ion Ratio Lower Upper
131 100
133 96.9 48.4 145.3
119 77.0 38.5 115.5

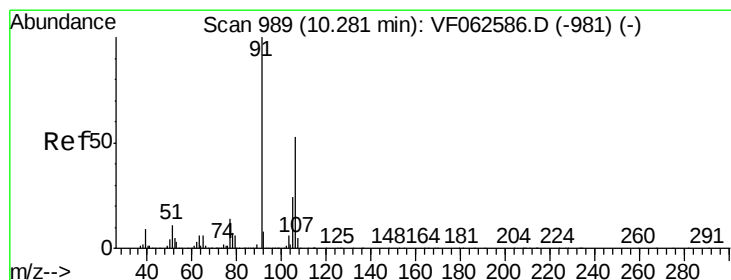
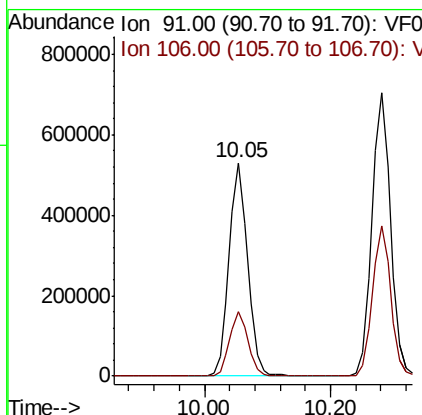
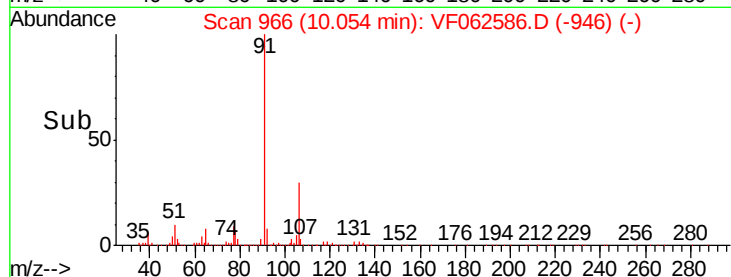
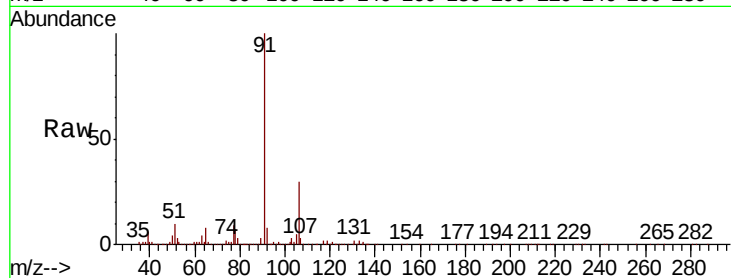




#67
Ethyl Benzene
Concen: 40.430 ug/l
RT: 10.05 min Scan# 966
Delta R.T. 0.00 min
Lab File: VF062586.D
Acq: 14 May 2019 16:52

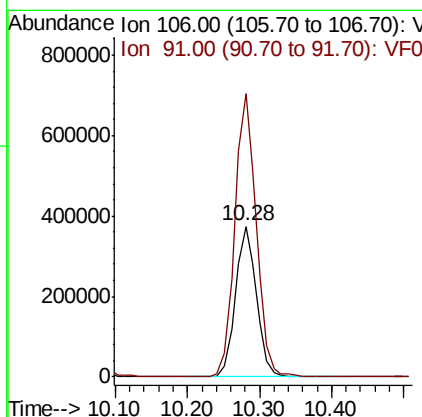
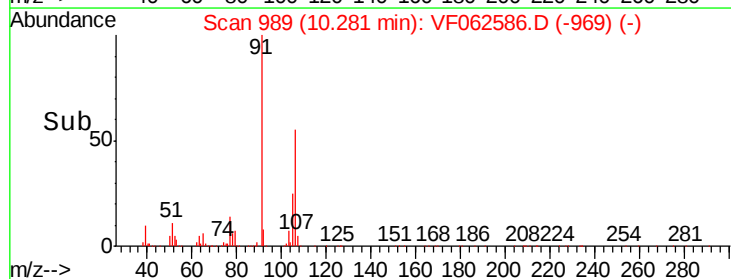
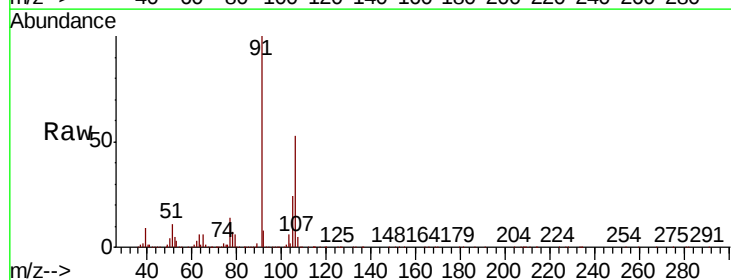
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

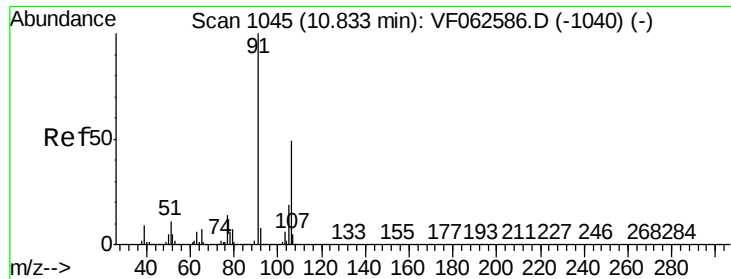
Tot Ion: 91 Resp: 1079740
Ion Ratio Lower Upper
91 100
106 30.3 24.2 36.4



#68
m/p-Xylenes
Concen: 79.125 ug/l
RT: 10.28 min Scan# 989
Delta R.T. 0.00 min
Lab File: VF062586.D
Acq: 14 May 2019 16:52

Tgt Ion: 106 Resp: 757187
Ion Ratio Lower Upper
106 100
91 188.1 150.5 225.7

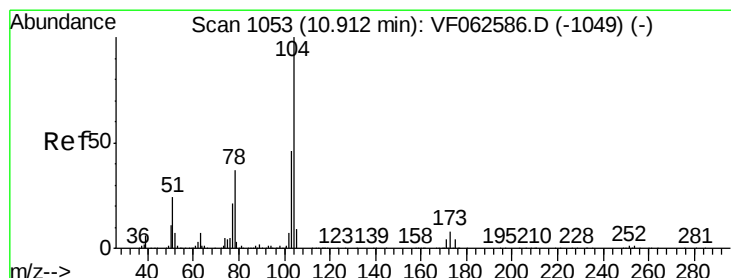
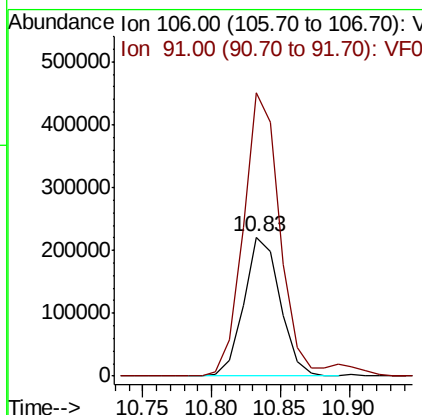
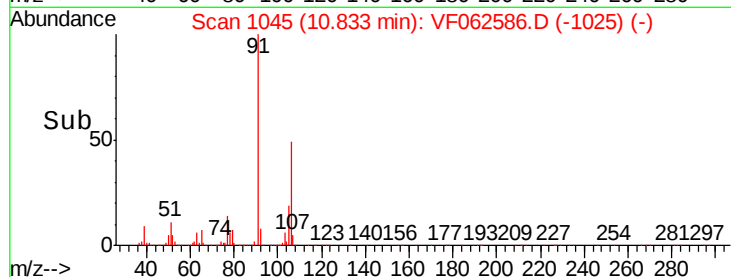
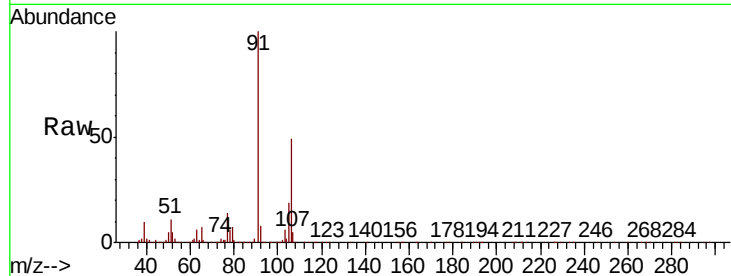




#69
o-Xylene
Concen: 42.114 ug/l
RT: 10.83 min Scan# 1045
Delta R.T. 0.00 min
Lab File: VF062586.D
Acq: 14 May 2019 16:52

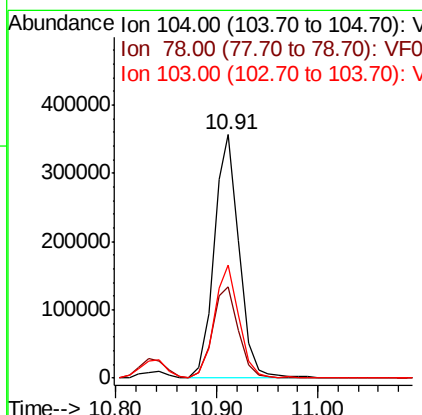
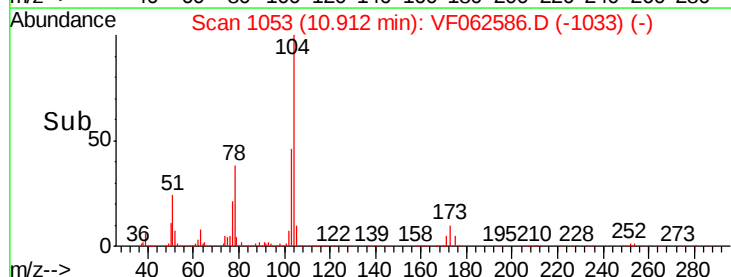
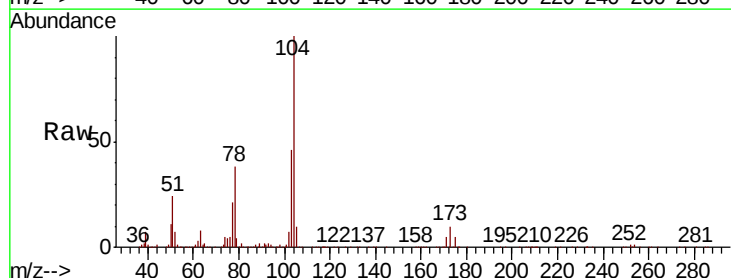
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

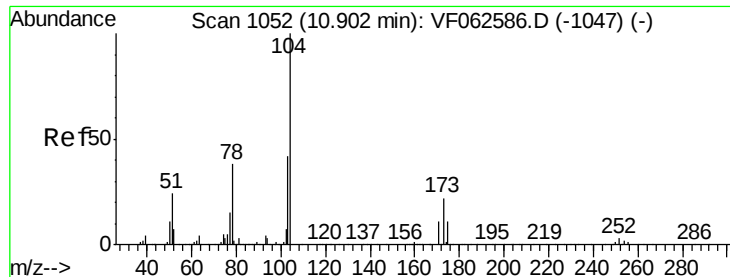
Tot Ion:106 Resp: 405383
Ion Ratio Lower Upper
106 100
91 203.9 102.0 305.9



#70
Styrene
Concen: 41.650 ug/l
RT: 10.91 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VF062586.D
Acq: 14 May 2019 16:52

Tgt Ion:104 Resp: 613448
Ion Ratio Lower Upper
104 100
78 37.7 30.2 45.2
103 46.3 37.0 55.6





#71

Bromoform

Concen: 40.730 ug/l

RT: 10.90 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VF062586.D

Acq: 14 May 2019 16:52

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

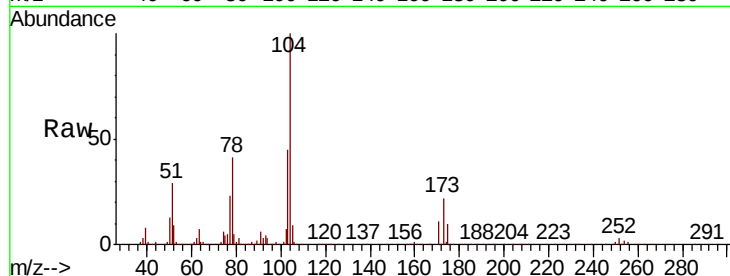
Tot Ion:173 Resp: 124071

Ion Ratio Lower Upper

173 100

175 48.2 24.1 72.3

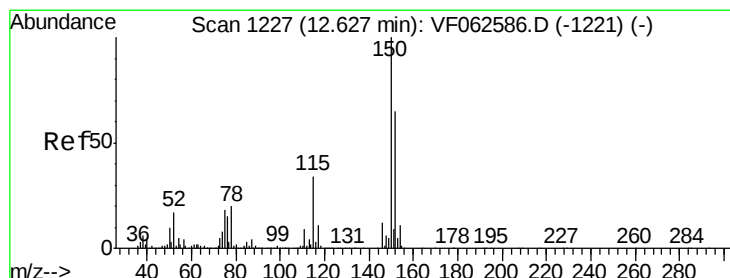
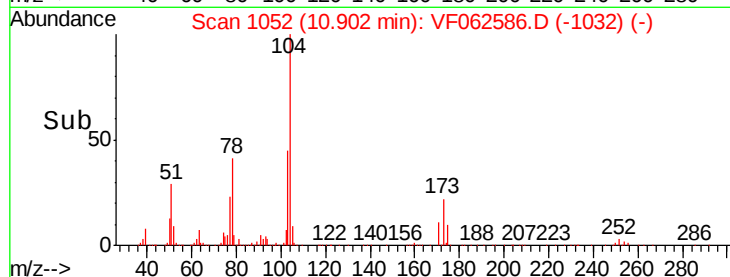
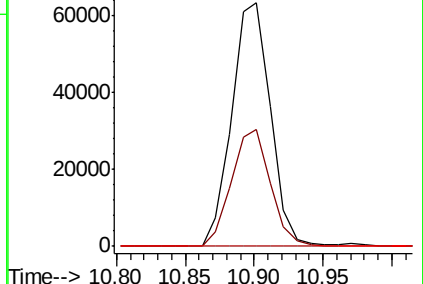
254 0.0 0.0 0.0



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: VF062586.D

Acq: 14 May 2019 16:52

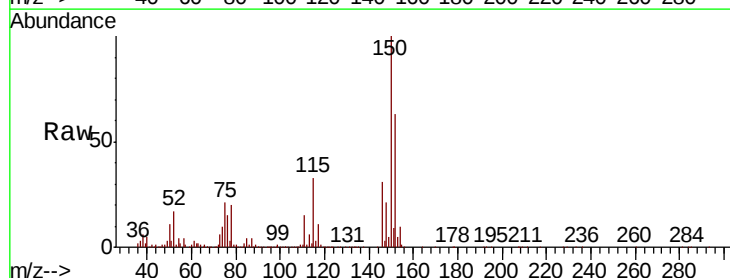
Tgt Ion:152 Resp: 367967

Ion Ratio Lower Upper

152 100

115 52.4 26.2 78.6

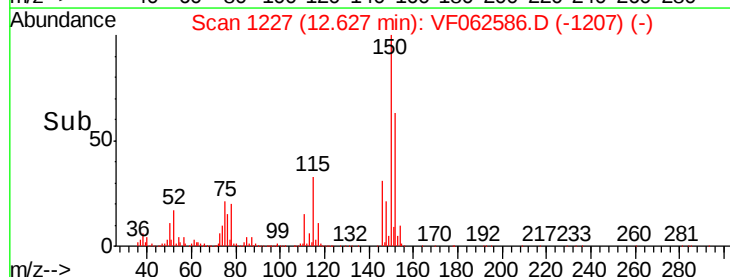
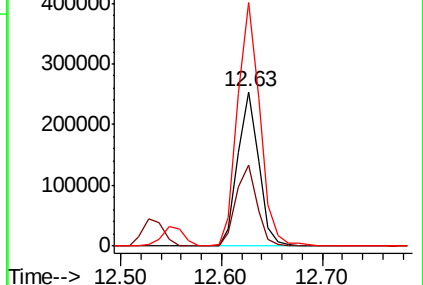
150 158.0 0.0 316.0

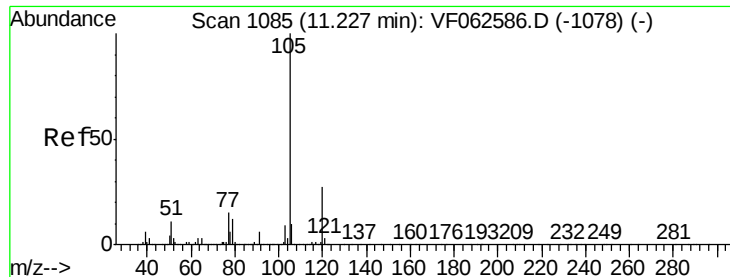


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 38.384 ug/l

RT: 11.23 min Scan# 1085

Delta R.T. 0.00 min

Lab File: VF062586.D

Acq: 14 May 2019 16:52

Instrument :

MSVOA_F

ClientSampleId :

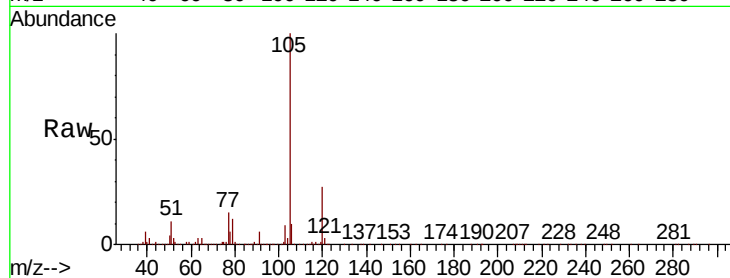
VSTDICCC050

Tot Ion:105 Resp: 1140083

Ion Ratio Lower Upper

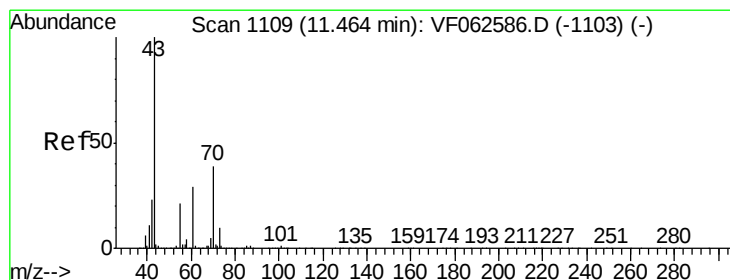
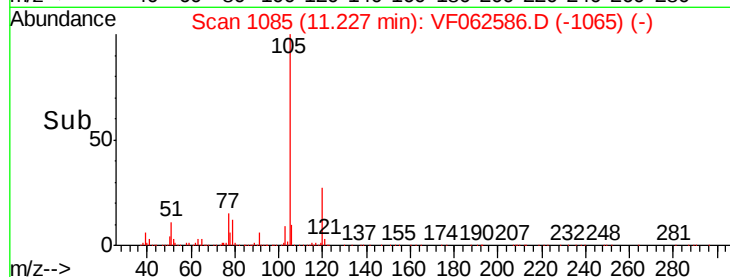
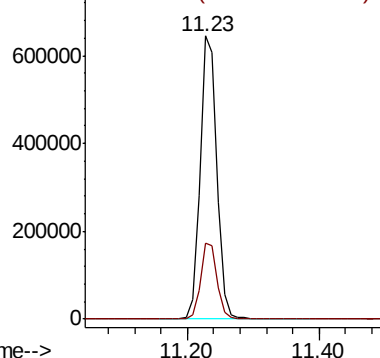
105 100

120 26.9 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: 35.074 ug/l

RT: 11.46 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VF062586.D

Acq: 14 May 2019 16:52

Tgt Ion: 43 Resp: 278802

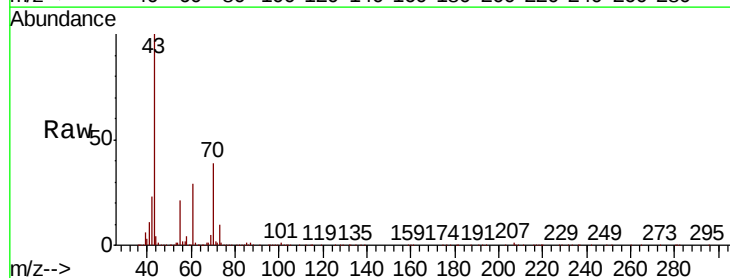
Ion Ratio Lower Upper

43 100

70 38.7 31.0 46.4

55 20.9 16.7 25.1

61 29.3 23.4 35.2

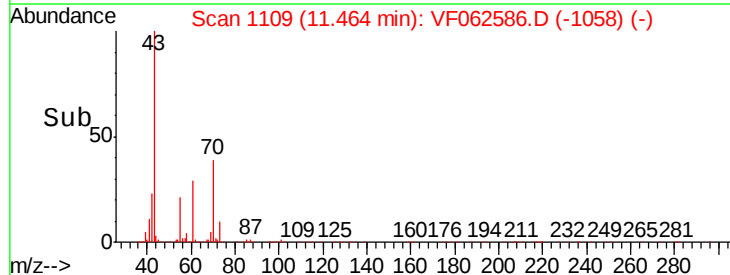
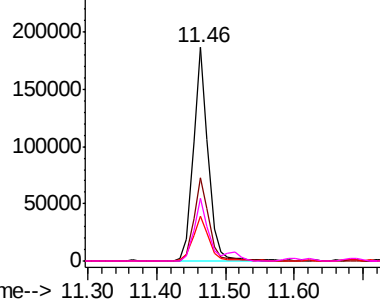


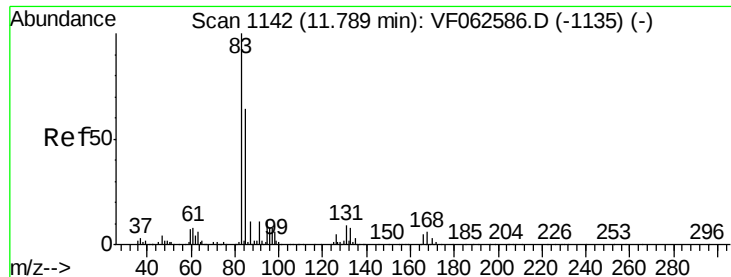
Abundance Ion 43.00 (42.70 to 43.70): VF0

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: 47.030 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VF062586.D

Acq: 14 May 2019 16:52

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

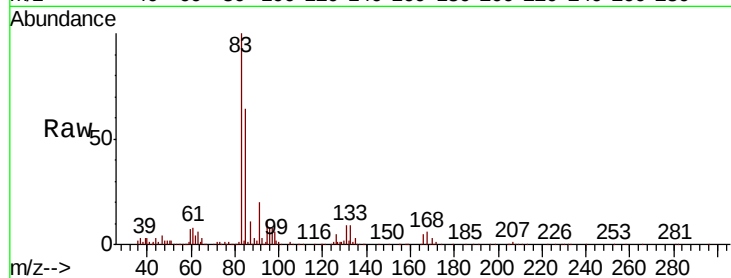
Tot Ion: 83 Resp: 228134

Ion Ratio Lower Upper

83 100

131 9.2 4.6 13.8

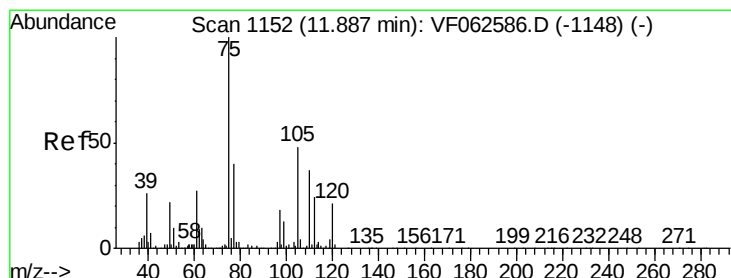
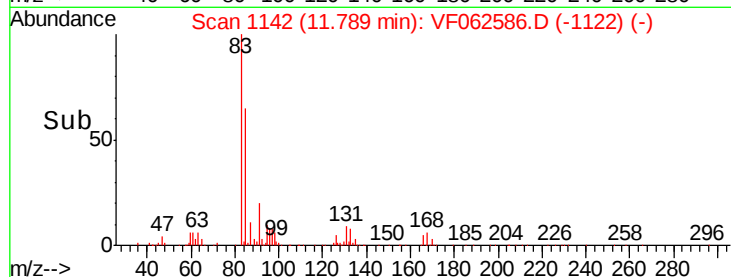
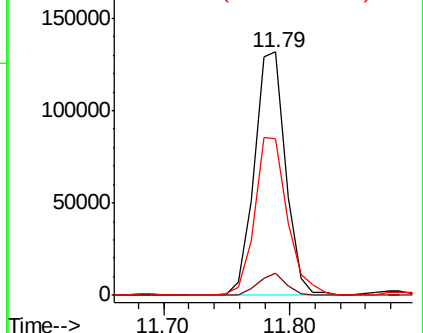
85 64.2 32.1 96.3



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: 39.689 ug/l

RT: 11.89 min Scan# 1152

Delta R.T. 0.00 min

Lab File: VF062586.D

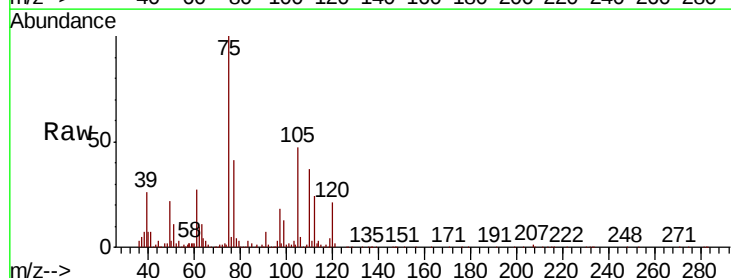
Acq: 14 May 2019 16:52

Tgt Ion: 75 Resp: 144502

Ion Ratio Lower Upper

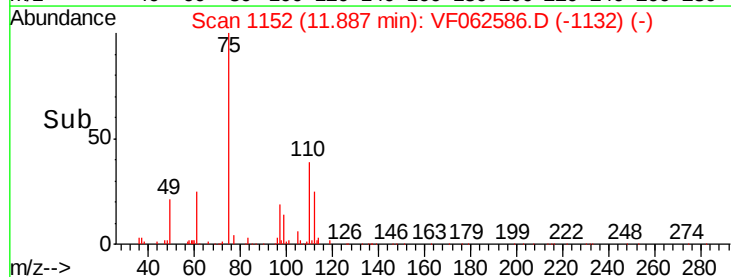
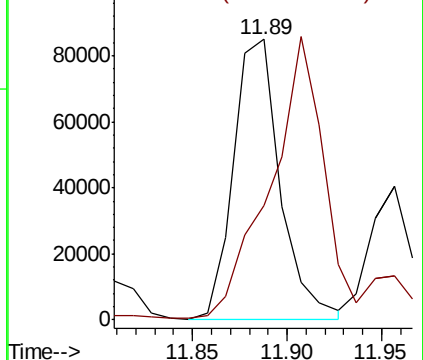
75 100

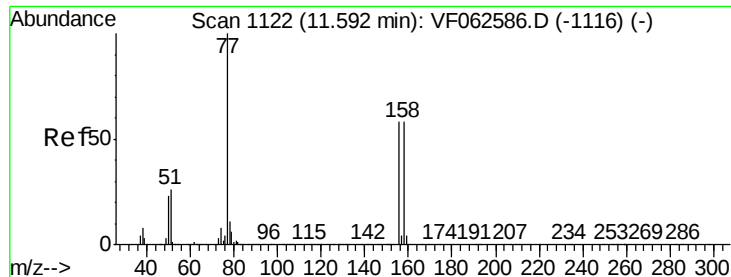
77 40.9 20.4 61.3



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

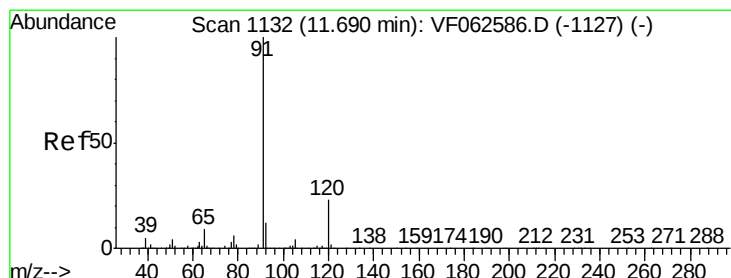
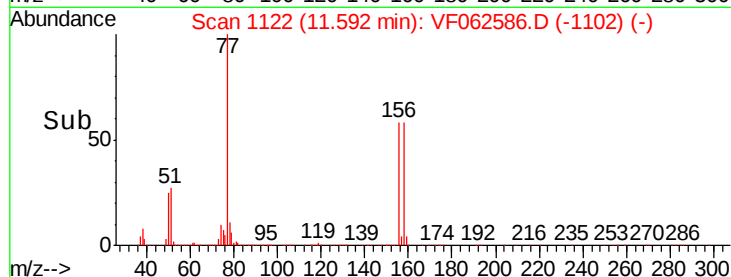
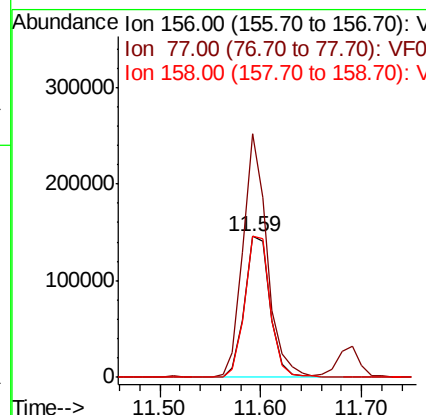
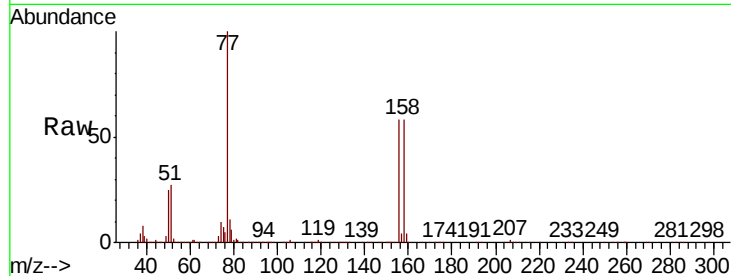




#77
Bromobenzene
Concen: 40.921 ug/l
RT: 11.59 min Scan# 1122
Delta R.T. 0.00 min
Lab File: VF062586.D
Acq: 14 May 2019 16:52

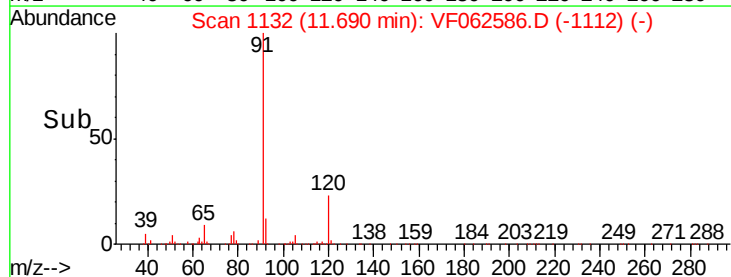
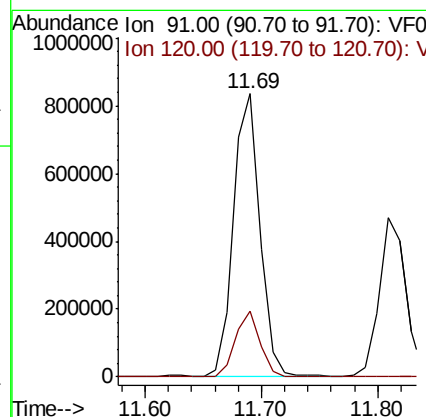
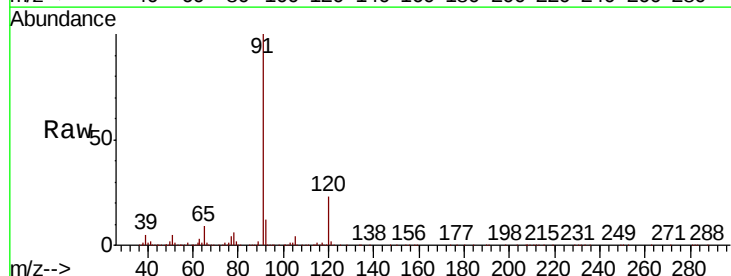
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

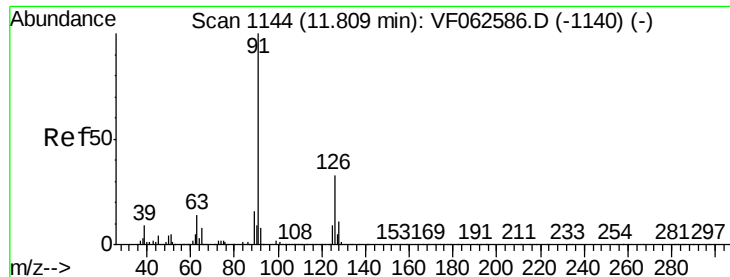
Tot Ion:156 Resp: 257354
Ion Ratio Lower Upper
156 100
77 173.0 86.5 259.5
158 100.6 50.3 150.9



#78
n-propylbenzene
Concen: 37.948 ug/l
RT: 11.69 min Scan# 1132
Delta R.T. 0.00 min
Lab File: VF062586.D
Acq: 14 May 2019 16:52

Tgt Ion: 91 Resp: 1311679
Ion Ratio Lower Upper
91 100
120 23.4 11.7 35.1





#79

2-Chlorotoluene

Concen: 37.353 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. 0.00 min

Lab File: VF062586.D

Acq: 14 May 2019 16:52

Instrument :

MSVOA_F

ClientSampleId :

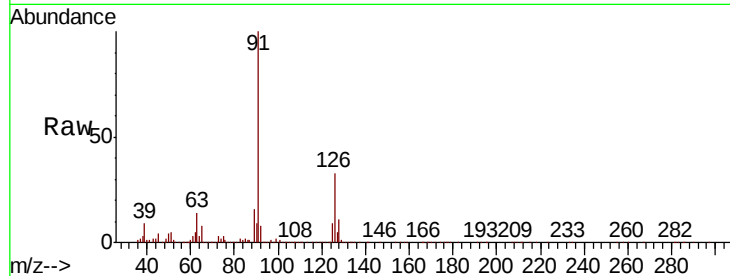
VSTDICCC050

Tot Ion: 91 Resp: 737490

Ion Ratio Lower Upper

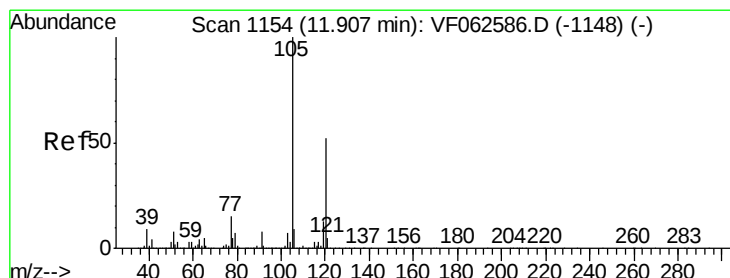
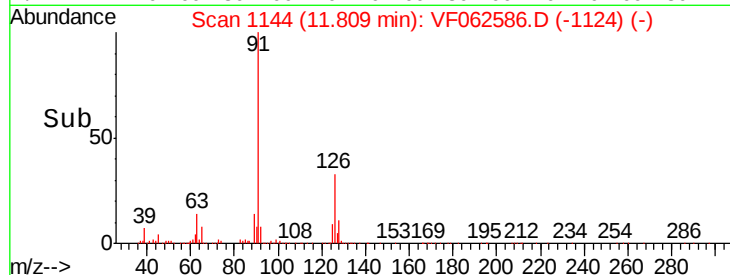
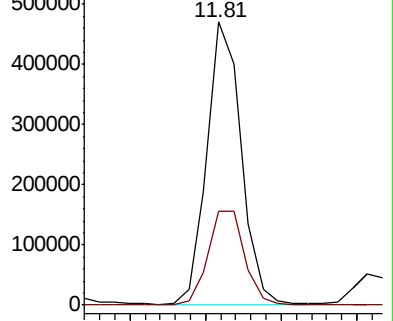
91 100

126 33.2 16.6 49.8



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V



#80

1,3,5-Trimethylbenzene

Concen: 35.808 ug/l

RT: 11.91 min Scan# 1154

Delta R.T. 0.00 min

Lab File: VF062586.D

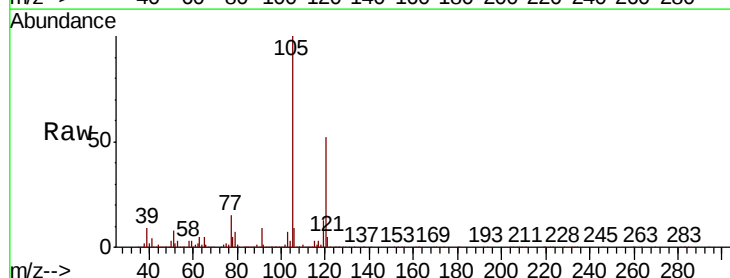
Acq: 14 May 2019 16:52

Tgt Ion:105 Resp: 886274

Ion Ratio Lower Upper

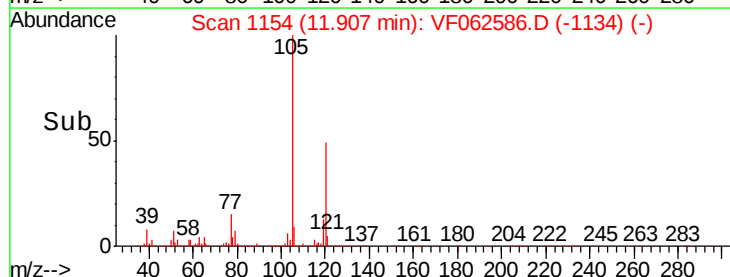
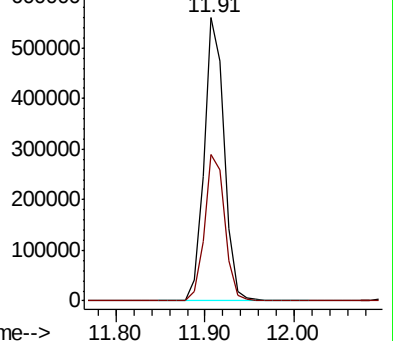
105 100

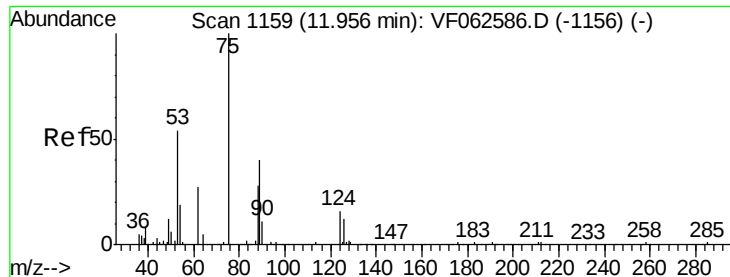
120 51.7 25.9 77.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 55.944 ug/l

RT: 11.96 min Scan# 1159

Delta R.T. 0.00 min

Lab File: VF062586.D

Acq: 14 May 2019 16:52

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

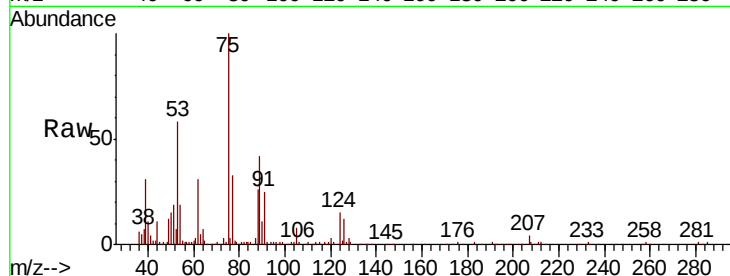
Tot Ion: 75 Resp: 81922

Ion Ratio Lower Upper

75 100

53 58.3 46.6 70.0

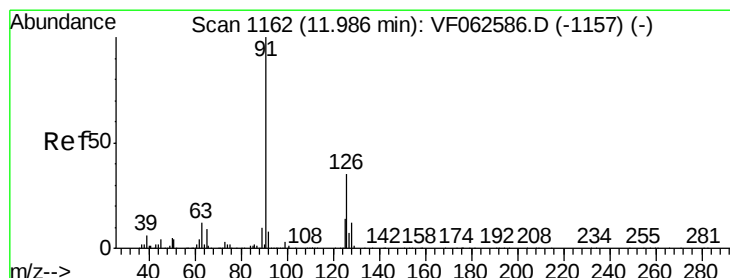
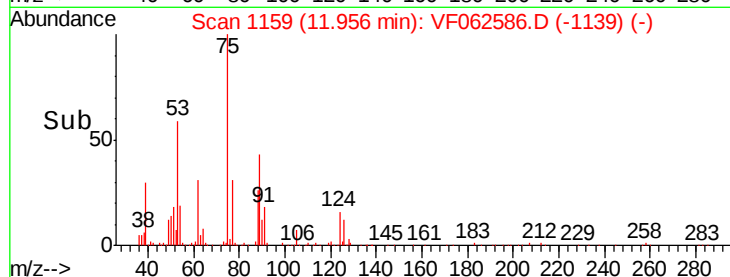
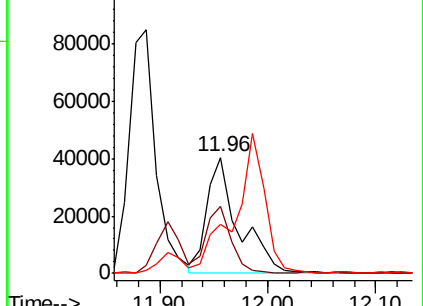
89 42.3 33.8 50.8



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0



#82

4-Chlorotoluene

Concen: 35.764 ug/l

RT: 11.99 min Scan# 1162

Delta R.T. 0.00 min

Lab File: VF062586.D

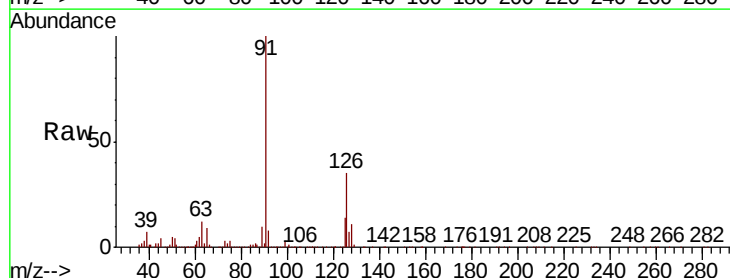
Acq: 14 May 2019 16:52

Tgt Ion: 91 Resp: 713842

Ion Ratio Lower Upper

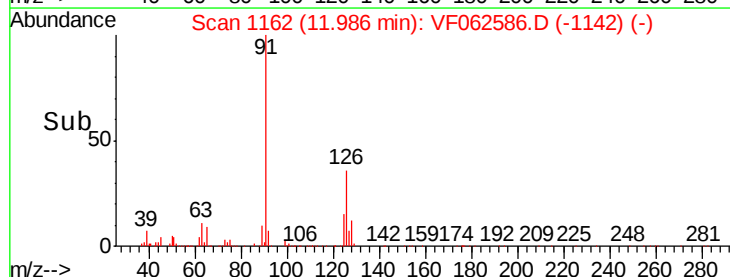
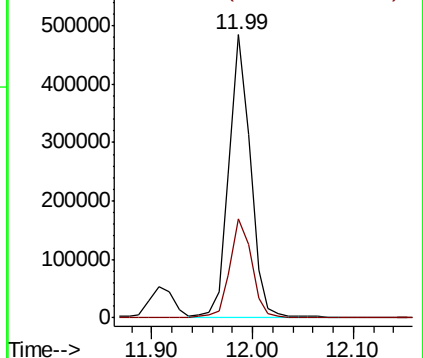
91 100

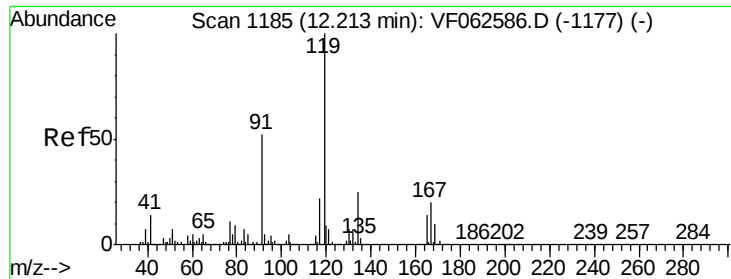
126 35.0 17.5 52.5



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

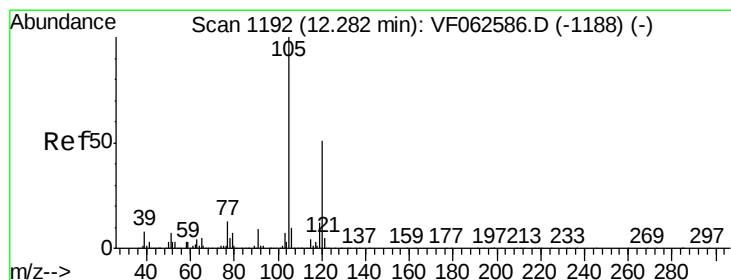
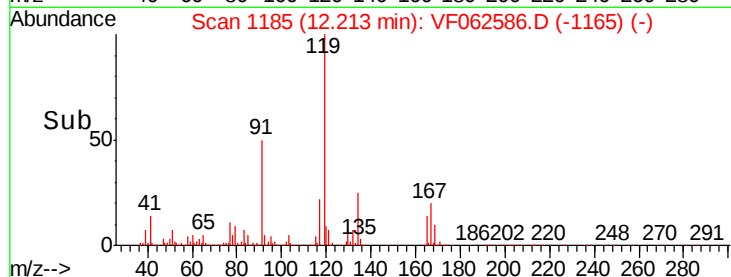
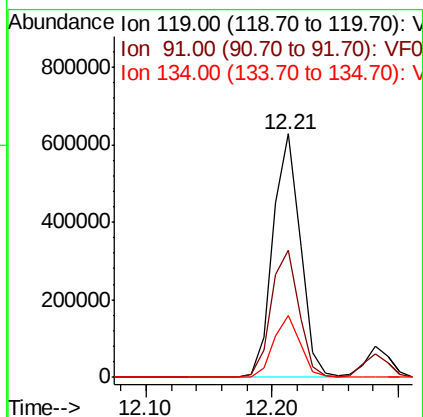
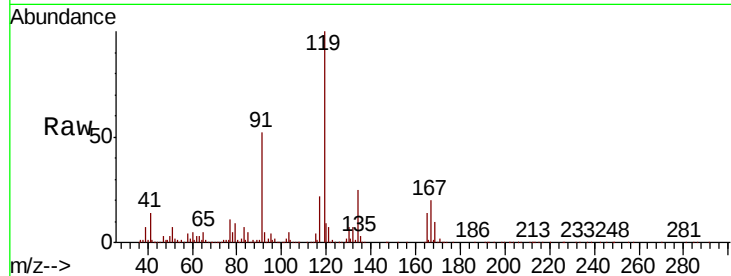




#83
tert-Butylbenzene
Concen: 37.961 ug/l
RT: 12.21 min Scan# 1185
Delta R.T. 0.00 min
Lab File: VF062586.D
Acq: 14 May 2019 16:52

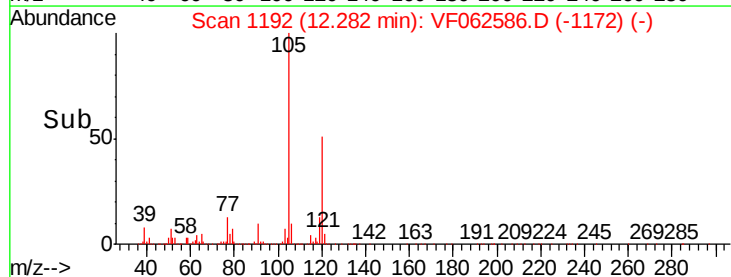
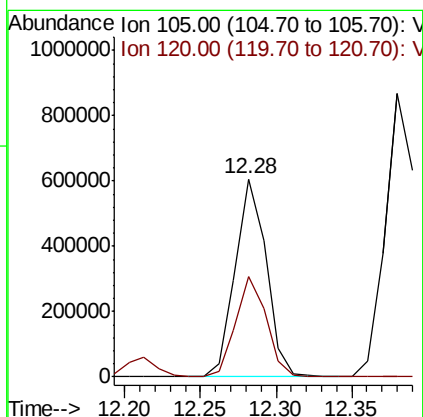
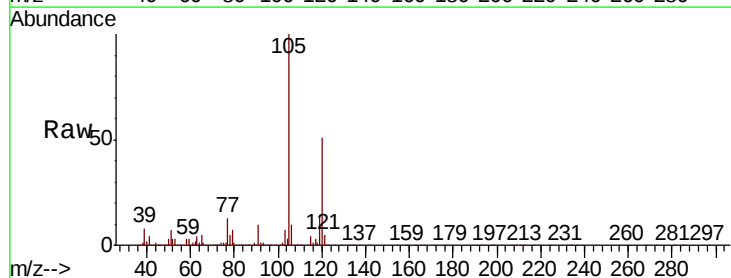
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

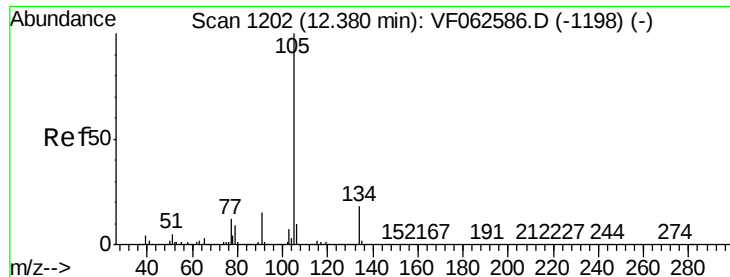
Tot Ion:119 Resp: 951211
Ion Ratio Lower Upper
119 100
91 52.0 26.0 78.0
134 25.2 12.6 37.8



#84
1,2,4-Trimethylbenzene
Concen: 35.095 ug/l
RT: 12.28 min Scan# 1192
Delta R.T. 0.00 min
Lab File: VF062586.D
Acq: 14 May 2019 16:52

Tgt Ion:105 Resp: 865250
Ion Ratio Lower Upper
105 100
120 50.7 25.4 76.0





#85

sec-Butylbenzene

Concen: 39.270 ug/l

RT: 12.38 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VF062586.D

Acq: 14 May 2019 16:52

Instrument :

MSVOA_F

ClientSampleId :

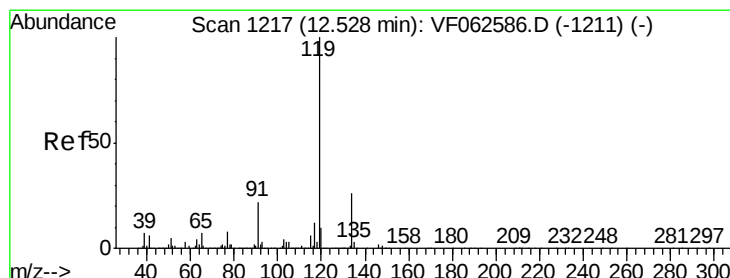
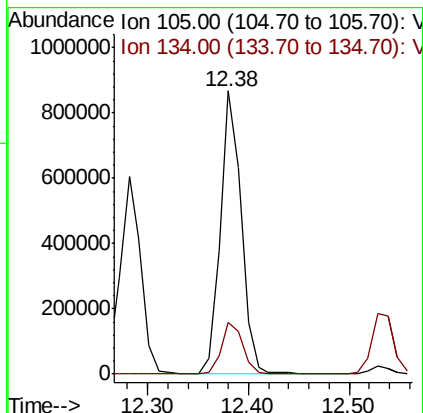
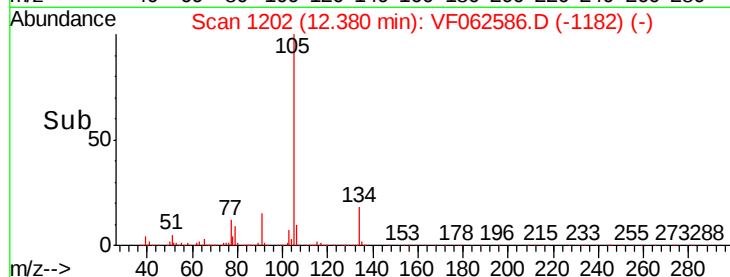
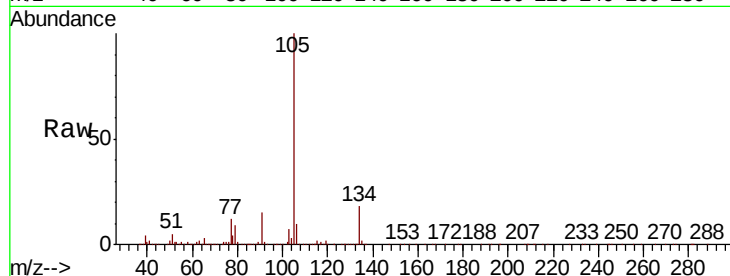
VSTDICCC050

Tot Ion:105 Resp: 1253679

Ion Ratio Lower Upper

105 100

134 18.5 9.3 27.7



#86

p-Isopropyltoluene

Concen: 37.091 ug/l

RT: 12.53 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VF062586.D

Acq: 14 May 2019 16:52

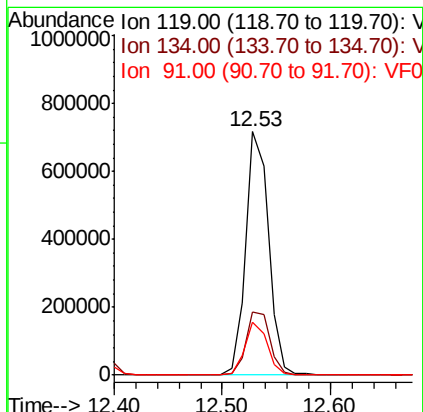
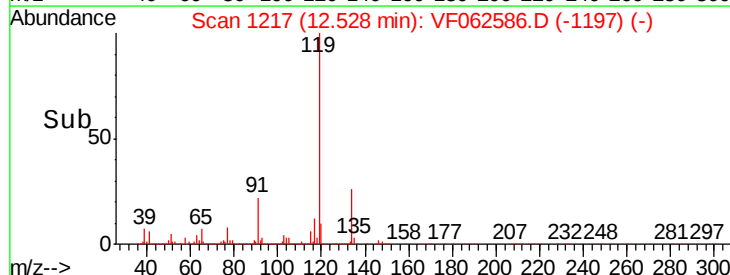
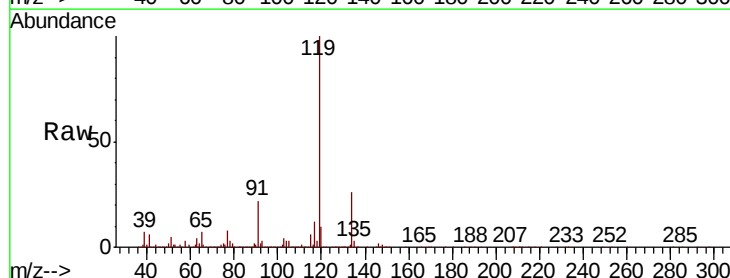
Tgt Ion:119 Resp: 1051980

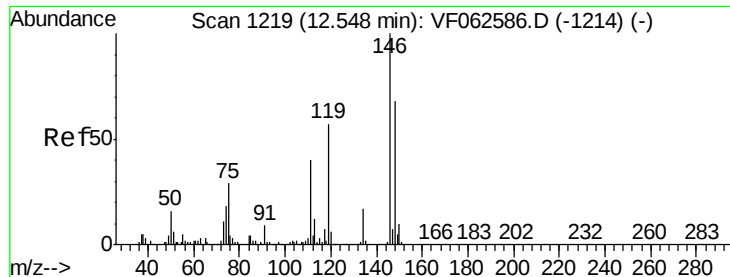
Ion Ratio Lower Upper

119 100

134 26.0 13.0 39.0

91 21.9 10.9 32.9

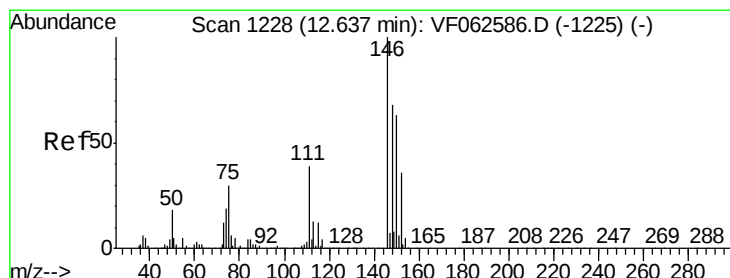
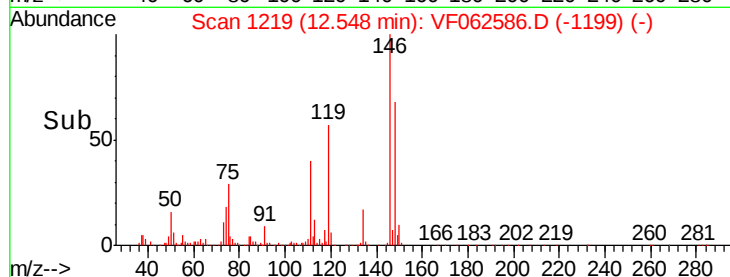
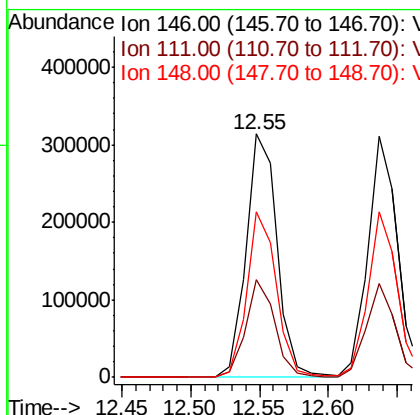
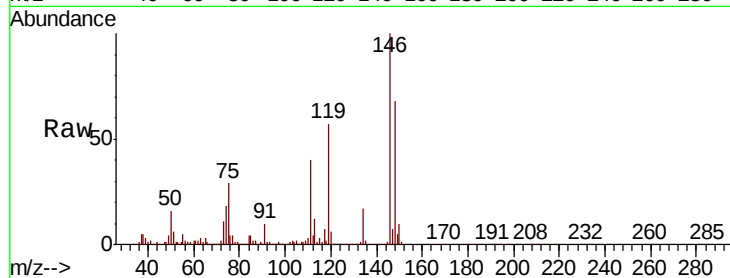




#87
 1,3-Dichlorobenzene
 Concen: 41.637 ug/l
 RT: 12.55 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VF062586.D
 Acq: 14 May 2019 16:52

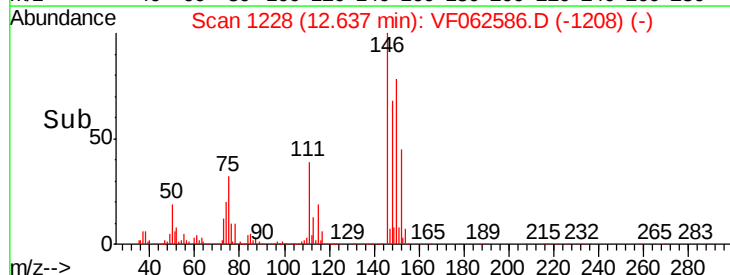
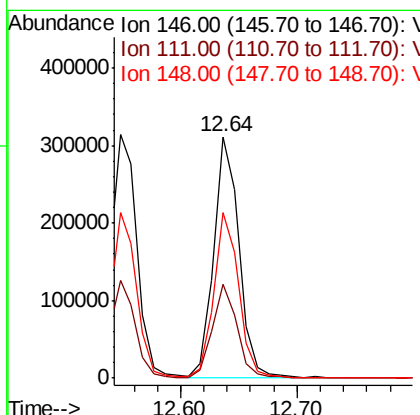
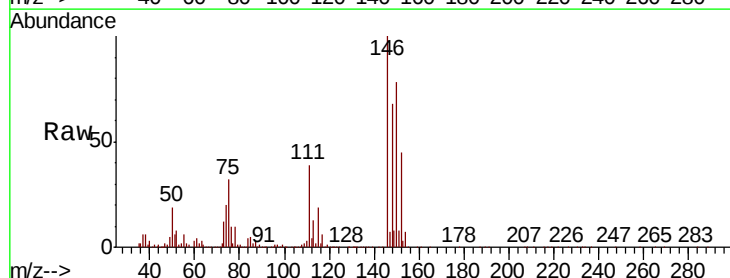
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

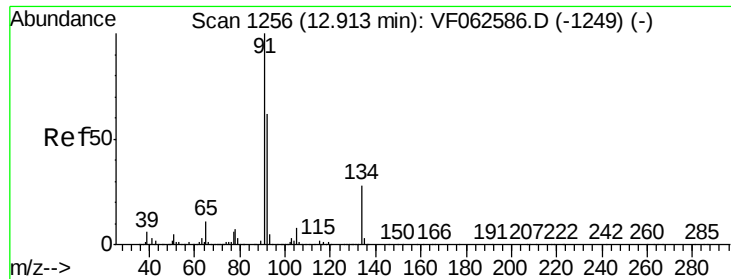
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.1	60.2
148	67.9	34.0	101.8



#88
 1,4-Dichlorobenzene
 Concen: 38.817 ug/l
 RT: 12.64 min Scan# 1228
 Delta R.T. 0.00 min
 Lab File: VF062586.D
 Acq: 14 May 2019 16:52

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.4	58.1
148	68.3	34.2	102.5





#89

n-Butylbenzene

Concen: 38.887 ug/l

RT: 12.91 min Scan# 1256

Delta R.T. 0.00 min

Lab File: VF062586.D

Acq: 14 May 2019 16:52

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

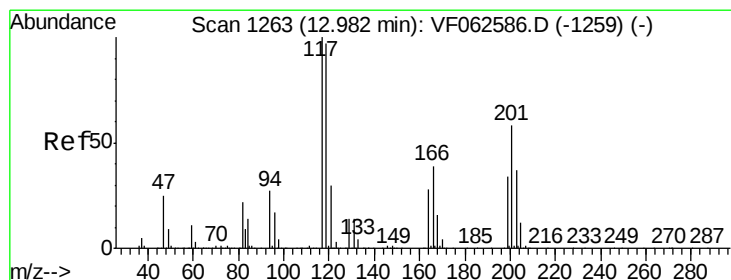
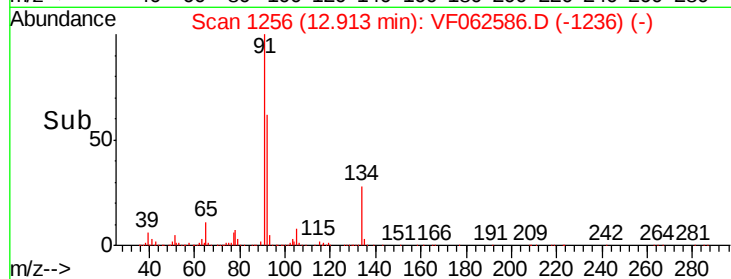
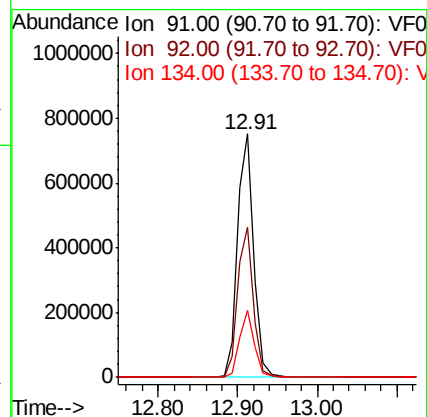
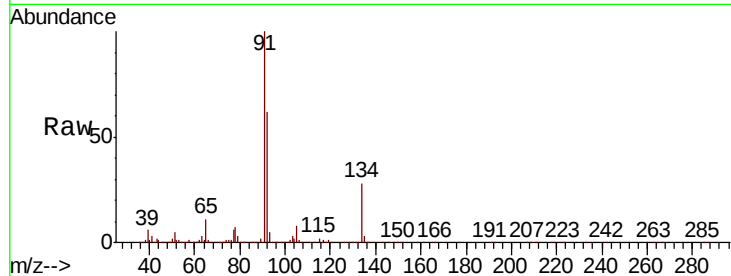
Tot Ion: 91 Resp: 1072574

Ion Ratio Lower Upper

91 100

92 61.9 30.9 92.8

134 27.7 13.9 41.6



#90

Hexachloroethane

Concen: 40.264 ug/l

RT: 12.98 min Scan# 1263

Delta R.T. 0.00 min

Lab File: VF062586.D

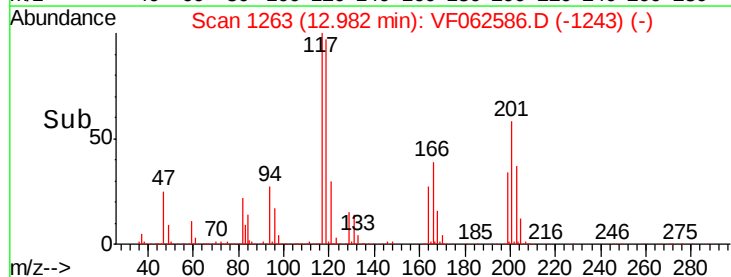
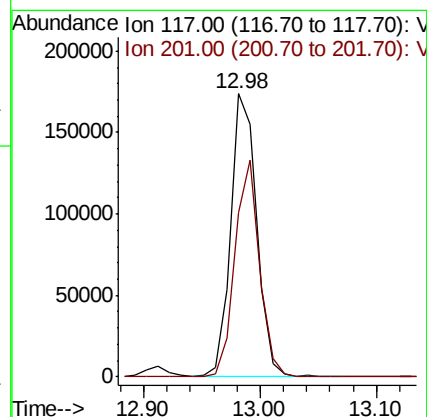
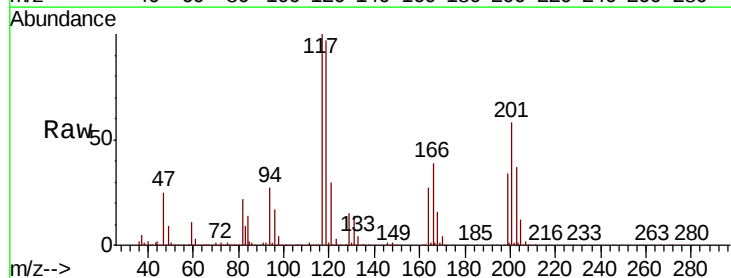
Acq: 14 May 2019 16:52

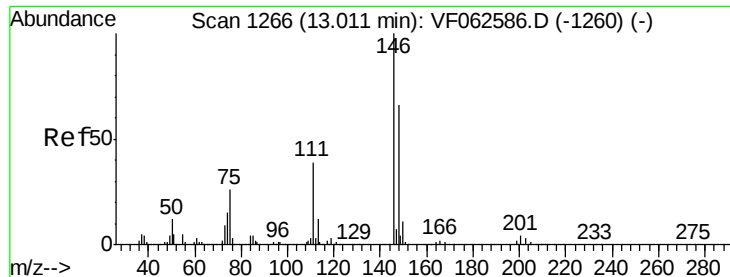
Tgt Ion: 117 Resp: 268261

Ion Ratio Lower Upper

117 100

201 59.4 29.7 89.1

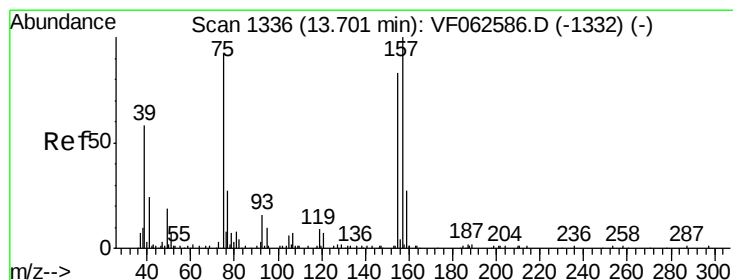
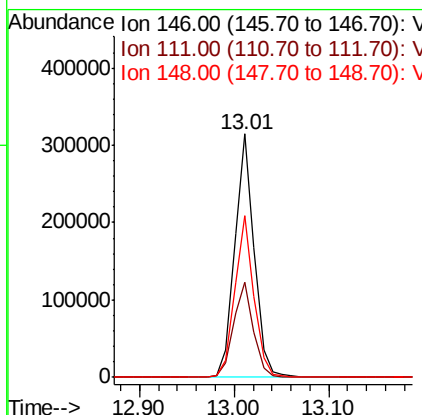
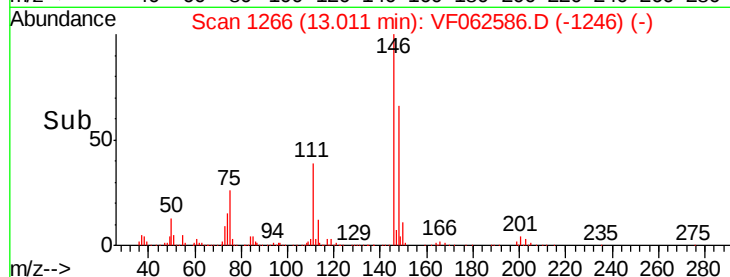
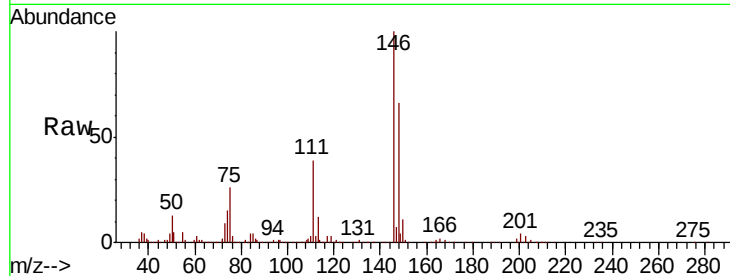




#91
 1,2-Dichlorobenzene
 Concen: 39.826 ug/l
 RT: 13.01 min Scan# 1266
 Delta R.T. 0.00 min
 Lab File: VF062586.D
 Acq: 14 May 2019 16:52

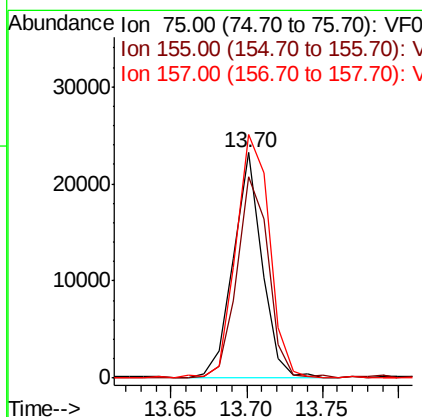
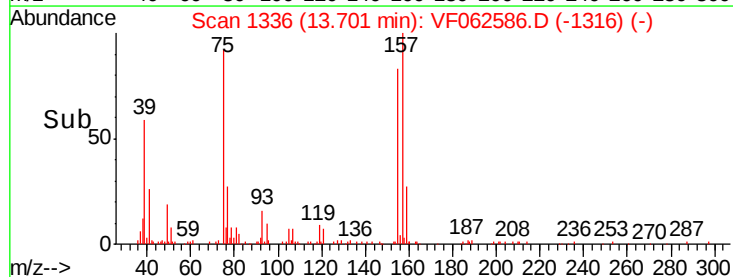
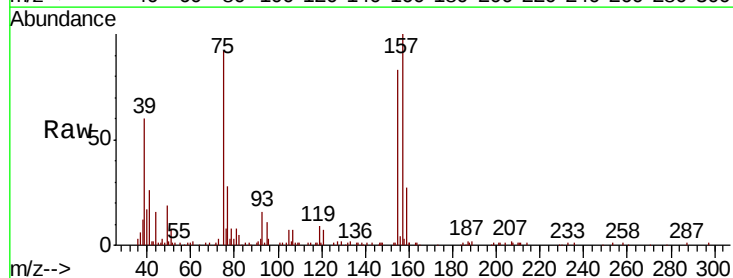
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

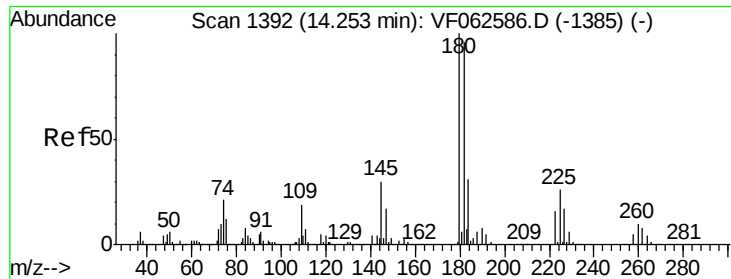
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.4	58.2
148	66.3	33.1	99.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 30.507 ug/l
 RT: 13.70 min Scan# 1336
 Delta R.T. 0.00 min
 Lab File: VF062586.D
 Acq: 14 May 2019 16:52

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.6	44.8	134.4
157	108.2	54.1	162.3

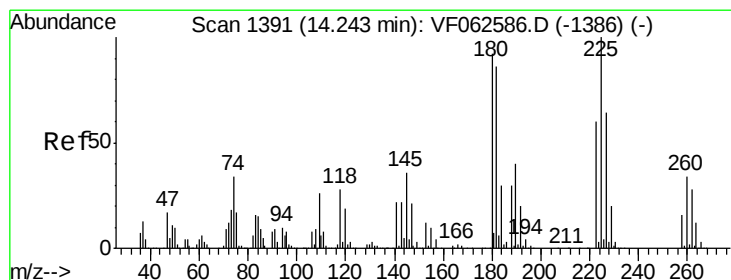
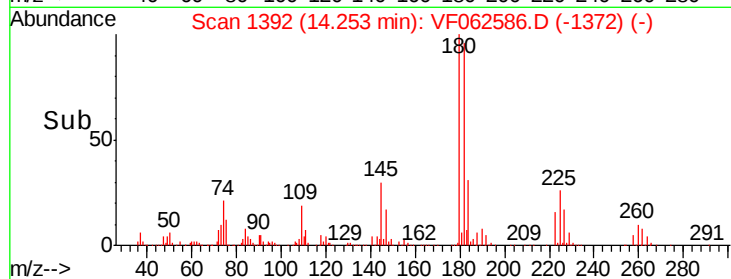
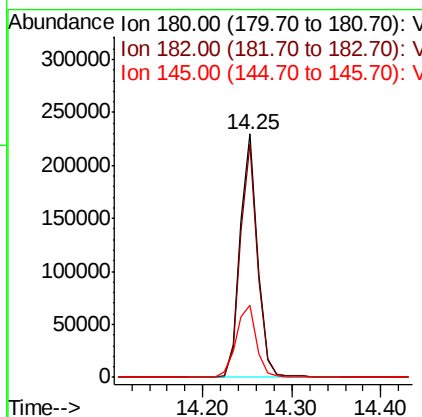
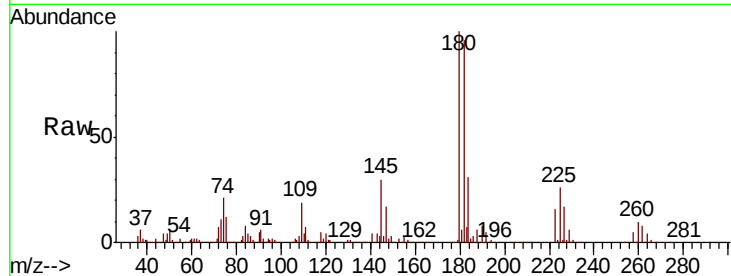




#93
 1,2,4-Trichlorobenzene
 Concen: 38.300 ug/l
 RT: 14.25 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: VF062586.D
 Acq: 14 May 2019 16:52

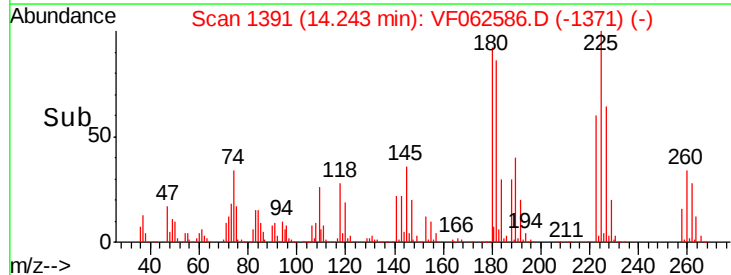
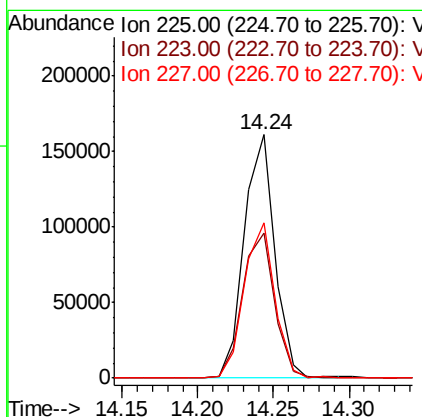
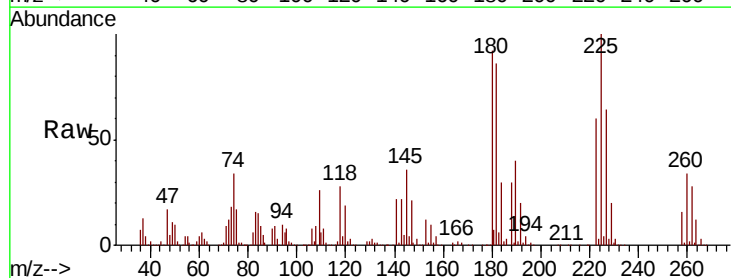
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

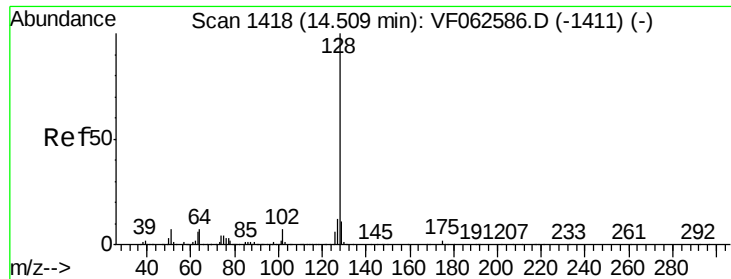
Tot Ion:180 Resp: 315116
 Ion Ratio Lower Upper
 180 100
 182 95.9 47.9 143.8
 145 29.6 14.8 44.4



#94
 Hexachlorobutadiene
 Concen: 42.456 ug/l
 RT: 14.24 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VF062586.D
 Acq: 14 May 2019 16:52

Tgt Ion:225 Resp: 226717
 Ion Ratio Lower Upper
 225 100
 223 59.8 29.9 89.7
 227 63.9 31.9 95.9

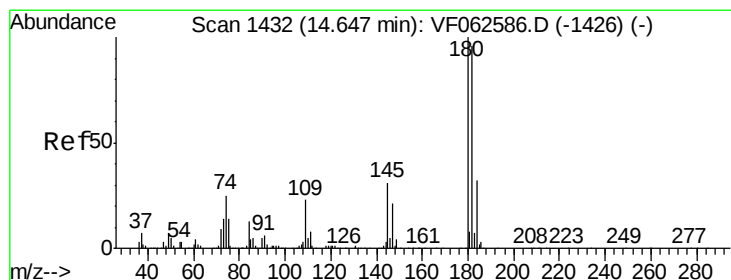
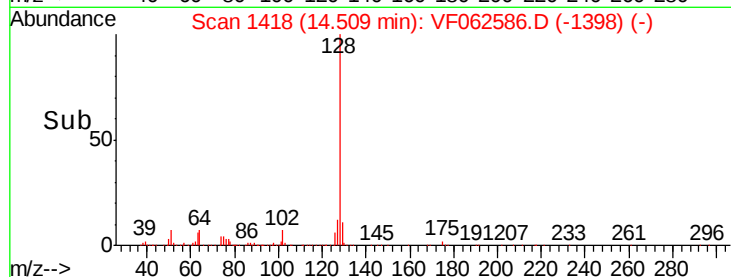
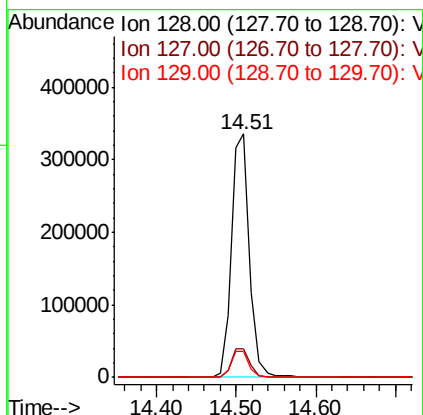
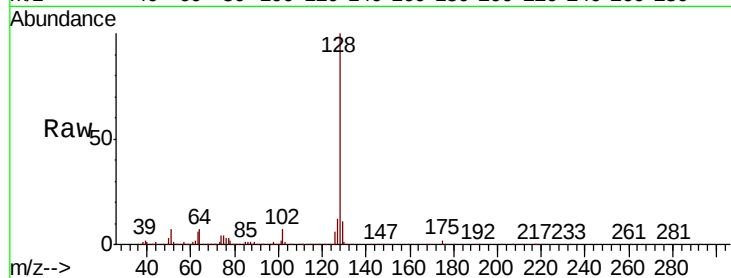




#95
Naphthalene
Concen: 39.574 ug/l
RT: 14.51 min Scan# 1418
Delta R.T. 0.00 min
Lab File: VF062586.D
Acq: 14 May 2019 16:52

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion:128 Resp: 533544
Ion Ratio Lower Upper
128 100
127 11.9 9.5 14.3
129 10.8 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 40.806 ug/l
RT: 14.65 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VF062586.D
Acq: 14 May 2019 16:52

Tgt Ion:180 Resp: 292908
Ion Ratio Lower Upper
180 100
182 96.2 48.1 144.3
145 31.1 15.6 46.7

