

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051419\
 Data File : VF062584.D
 Acq On : 14 May 2019 15:55
 Operator : FY/SY
 Sample : VSTDIC010
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Quant Time: May 15 04:50:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F051419S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 15 04:31:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.08	168	599129	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.80	114	1023152	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	716510	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	346667	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.06	65	47155	7.27	ug/l	0.00
Spiked Amount			Recovery	=	14.54%	
35) Dibromofluoromethane	4.34	113	68699	9.02	ug/l	0.00
Spiked Amount			Recovery	=	18.04%	
50) Toluene-d8	7.73	98	175377	8.18	ug/l	0.00
Spiked Amount			Recovery	=	16.36%	
62) 4-Bromofluorobenzene	11.51	95	56669	6.62	ug/l	0.00
Spiked Amount			Recovery	=	13.24%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.01	85	79469	9.637	ug/l	94
3) Chloromethane	1.15	50	76636	10.670	ug/l #	87
4) Vinyl Chloride	1.20	62	77822	10.934	ug/l	93
5) Bromomethane	1.39	94	37530	6.716	ug/l	86
6) Chloroethane	1.45	64	31677	8.620	ug/l	94
7) Trichlorofluoromethane	1.56	101	109147	10.559	ug/l	94
8) Diethyl Ether	1.72	74	24983	11.413	ug/l	81
9) 1,1,2-Trichlorotrifluoroet	1.93	101	74310	11.014	ug/l	95
10) Methyl Iodide	2.01	142	130728	11.416	ug/l	93
11) Tert butyl alcohol	2.72	59	17740	58.275	ug/l #	81
12) 1,1-Dichloroethene	1.89	96	67123	10.987	ug/l	98
13) Acrolein	2.11	56	12239	41.635	ug/l	90
14) Allyl chloride	2.21	41	62114	8.046	ug/l	95
15) Acrylonitrile	3.10	53	63596	69.847	ug/l #	88
16) Acetone	2.36	43	51103	40.780	ug/l	98
17) Carbon Disulfide	1.92	76	157903	8.434	ug/l #	87
18) Methyl Acetate	2.48	43	33592m	11.064	ug/l	
19) Methyl tert-butyl Ether	2.56	73	115410	10.445	ug/l	95
20) Methylene Chloride	2.35	84	74170m	10.112	ug/l	
21) trans-1,2-Dichloroethene	2.44	96	66285	12.060	ug/l	88
22) Diisopropyl ether	2.95	45	142845	8.009	ug/l	97
23) Vinyl Acetate	3.37	43	412315	48.086	ug/l	97
24) 1,1-Dichloroethane	3.03	63	113770	10.554	ug/l	98
25) 2-Butanone	4.55	43	119244	50.717	ug/l	93
26) 2,2-Dichloropropane	3.80	77	59821	10.451	ug/l	97
27) cis-1,2-Dichloroethene	3.67	96	81975	11.260	ug/l	91
28) Bromochloromethane	3.93	49	59679	12.258	ug/l	93
29) Tetrahydrofuran	4.29	42	47119	46.428	ug/l	95
30) Chloroform	4.09	83	138239	10.642	ug/l	99
31) Cyclohexane	3.91	56	115095	10.821	ug/l	93
32) 1,1,1-Trichloroethane	4.32	97	86856	10.144	ug/l	91
36) 1,1-Dichloropropene	4.50	75	100362	9.071	ug/l	94
37) Ethyl Acetate	4.34	43	39066	7.632	ug/l #	66
38) Carbon Tetrachloride	4.21	117	76674	8.980	ug/l #	88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.66	83	115008	10.280	ug/l	94
40) Benzene	4.86	78	283786	11.383	ug/l	94
41) Methacrylonitrile	4.96	41	21749	7.540	ug/l	91
42) 1,2-Dichloroethane	5.16	62	59270	6.798	ug/l	95
43) Isopropyl Acetate	7.13	43	46681	8.449	ug/l #	99
44) Trichloroethene	5.71	130	78057	10.350	ug/l	100
45) 1,2-Dichloropropane	6.43	63	69410	11.699	ug/l	95
46) Dibromomethane	6.28	93	39338	9.954	ug/l	93
47) Bromodichloromethane	6.58	83	80857	7.749	ug/l	92
48) Methyl methacrylate	6.91	41	25319	6.171	ug/l	88
49) 1,4-Dioxane	6.89	88	7173	268.698	ug/l #	77
51) 4-Methyl-2-Pentanone	8.42	43	174116	41.786	ug/l	97
52) Toluene	7.80	92	136366	8.817	ug/l	95
53) t-1,3-Dichloropropene	8.44	75	67813	8.097	ug/l	96
54) cis-1,3-Dichloropropene	7.49	75	89107	8.572	ug/l	92
55) 1,1,2-Trichloroethane	8.66	97	39962	9.236	ug/l	93
56) Ethyl methacrylate	8.78	69	40799	7.194	ug/l #	90
57) 1,3-Dichloropropane	9.02	76	64441	8.844	ug/l	94
58) 2-Chloroethyl Vinyl ether	7.48	63	67151	74.874	ug/l	99
59) 2-Hexanone	9.65	43	121468	41.396	ug/l	94
60) Dibromochloromethane	8.89	129	51138	8.299	ug/l	95
61) 1,2-Dibromoethane	9.15	107	40289	8.854	ug/l	97
64) Tetrachloroethene	8.33	164	52331	10.024	ug/l	98
65) Chlorobenzene	9.95	112	140667	10.210	ug/l	88
66) 1,1,1,2-Tetrachloroethane	10.09	131	54717	9.202	ug/l	95
67) Ethyl Benzene	10.05	91	239067	8.977	ug/l	97
68) m/p-Xylenes	10.28	106	167266	17.529	ug/l	89
69) o-Xylene	10.84	106	86704	9.033	ug/l	92
70) Styrene	10.91	104	131934	8.983	ug/l	95
71) Bromoform	10.90	173	24477	8.058	ug/l #	84
73) Isopropylbenzene	11.23	105	255678	9.137	ug/l	100
74) N-amyl acetate	11.46	43	69517	9.283	ug/l	93
75) 1,1,2,2-Tetrachloroethane	11.78	83	53336	11.671	ug/l	98
76) 1,2,3-Trichloropropane	11.88	75	36277	10.576	ug/l	89
77) Bromobenzene	11.60	156	57379	9.684	ug/l	87
78) n-propylbenzene	11.69	91	317541	9.751	ug/l	95
79) 2-Chlorotoluene	11.81	91	172541	9.276	ug/l	96
80) 1,3,5-Trimethylbenzene	11.91	105	210213	9.015	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.95	75	15422m	11.179	ug/l	
82) 4-Chlorotoluene	11.99	91	174031	9.255	ug/l	97
83) tert-Butylbenzene	12.21	119	214759	9.097	ug/l	95
84) 1,2,4-Trimethylbenzene	12.29	105	206407	8.886	ug/l	95
85) sec-Butylbenzene	12.39	105	298903	9.938	ug/l	96
86) p-Isopropyltoluene	12.53	119	241952	9.055	ug/l	99
87) 1,3-Dichlorobenzene	12.55	146	120008	10.699	ug/l	96
88) 1,4-Dichlorobenzene	12.64	146	111665	9.822	ug/l	97
89) n-Butylbenzene	12.91	91	255639	9.838	ug/l	94
90) Hexachloroethane	12.99	117	63057	10.046	ug/l	95
91) 1,2-Dichlorobenzene	13.01	146	99975	9.413	ug/l	93
92) 1,2-Dibromo-3-Chloropropan	13.70	75	7092	7.476	ug/l	92

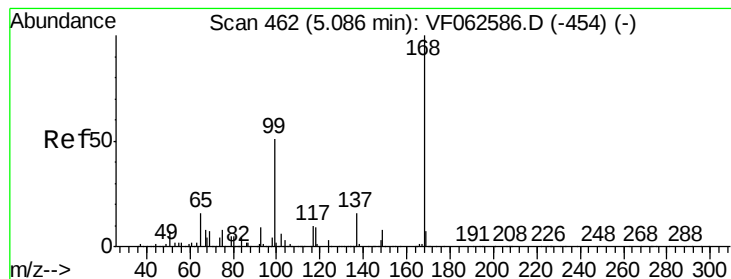
Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051419\
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Quant Title : SW846 8260
QLast Update : Wed May 15 04:31:17 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	72397	9.340	ug/l	96
94) Hexachlorobutadiene	14.24	225	54017	10.737	ug/l	95
95) Naphthalene	14.51	128	109442	8.616	ug/l	98
96) 1,2,3-Trichlorobenzene	14.65	180	66758	9.872	ug/l	93

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.08 min Scan# 461

Delta R.T. -0.00 min

Lab File: VF062584.D

Acq: 14 May 2019 15:55

Instrument :

MSVOA_F

ClientSampleId :

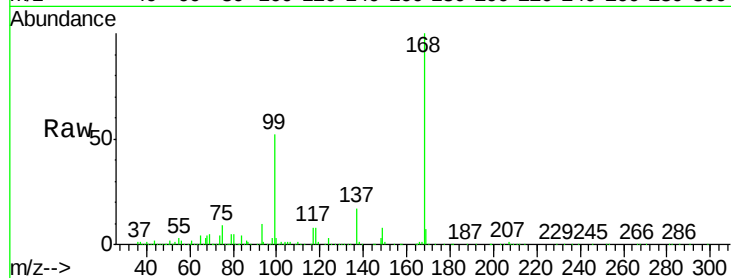
VSTDIC010

Tot Ion:168 Resp: 599129

Ion Ratio Lower Upper

168 100

99 51.8 41.0 61.6



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.08

200000

150000

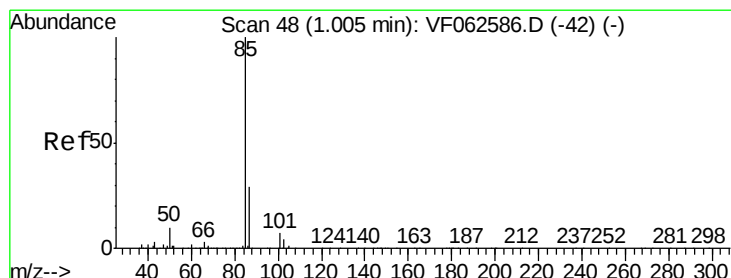
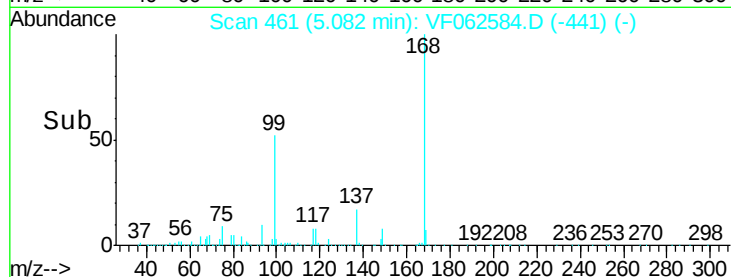
100000

50000

0

Time-->

4.90 5.00 5.10 5.20 5.30



#2

Dichlorodifluoromethane

Concen: 9.637 ug/l

RT: 1.01 min Scan# 48

Delta R.T. 0.01 min

Lab File: VF062584.D

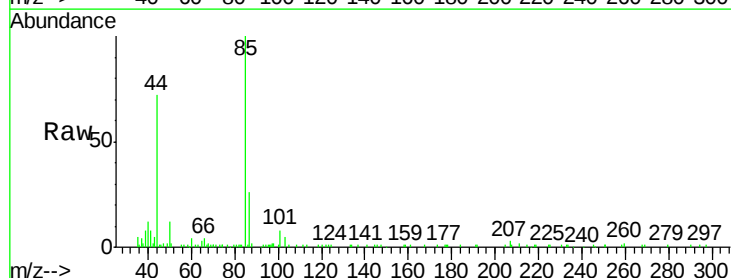
Acq: 14 May 2019 15:55

Tgt Ion: 85 Resp: 79469

Ion Ratio Lower Upper

85 100

87 26.2 14.6 43.8



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

1.01

25000

20000

15000

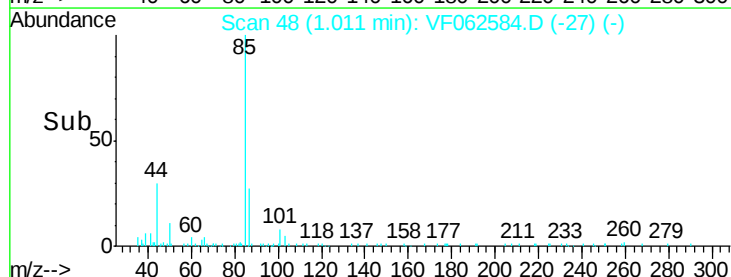
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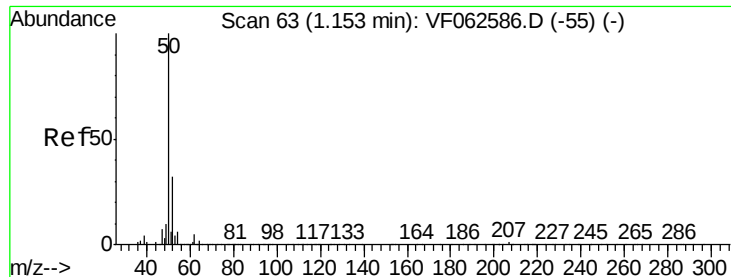
5000

0

Time-->

0.90 1.00 1.10 1.20





#3

Chloromethane

Concen: 10.670 ug/l

RT: 1.15 min Scan# 62

Delta R.T. -0.00 min

Lab File: VF062584.D

Acq: 14 May 2019 15:55

Instrument :

MSVOA_F

ClientSampleId :

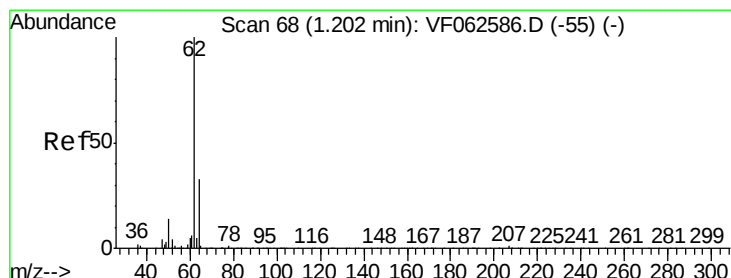
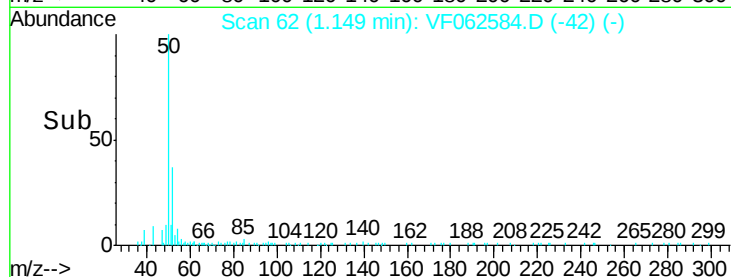
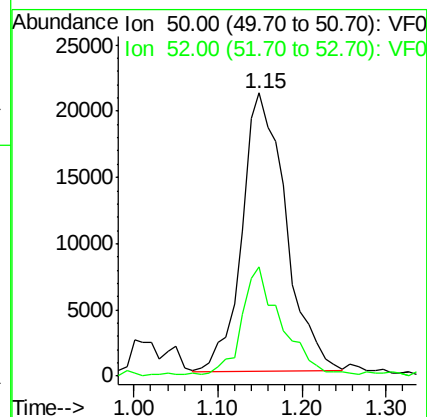
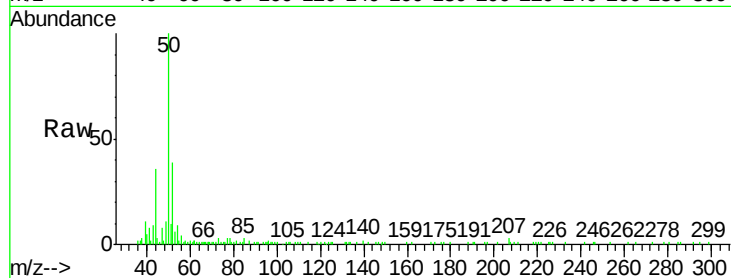
VSTDIC010

Tot Ion: 50 Resp: 76636

Ion Ratio Lower Upper

50 100

52 38.7 25.3 37.9#



#4

Vinyl Chloride

Concen: 10.934 ug/l

RT: 1.20 min Scan# 67

Delta R.T. -0.00 min

Lab File: VF062584.D

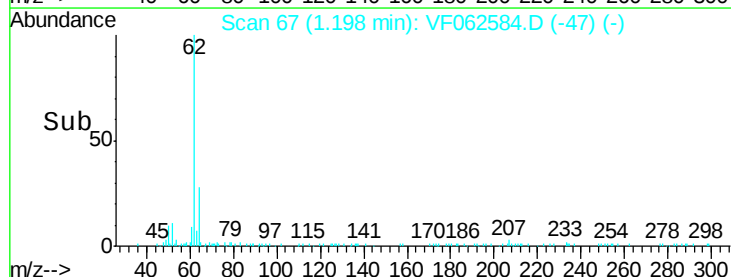
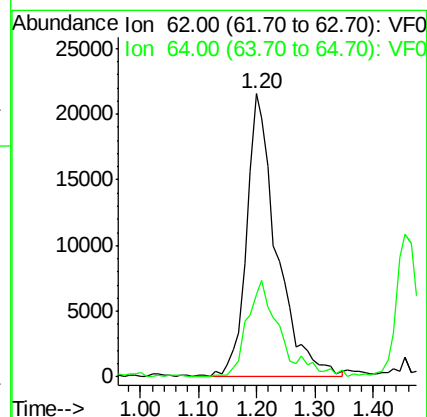
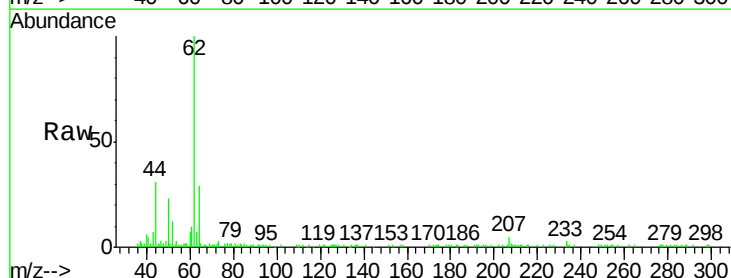
Acq: 14 May 2019 15:55

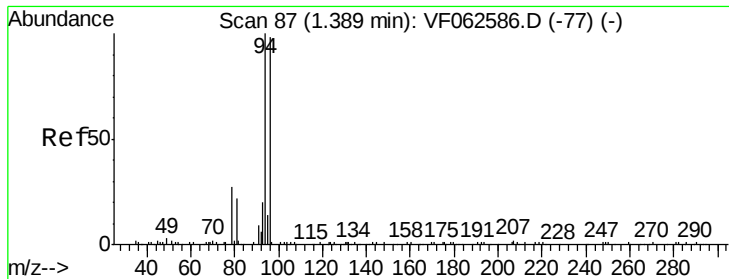
Tgt Ion: 62 Resp: 77822

Ion Ratio Lower Upper

62 100

64 29.2 26.5 39.7





#5

Bromomethane

Concen: 6.716 ug/l

RT: 1.39 min Scan# 86

Delta R.T. -0.00 min

Lab File: VF062584.D

Acq: 14 May 2019 15:55

Instrument :

MSVOA_F

ClientSampleId :

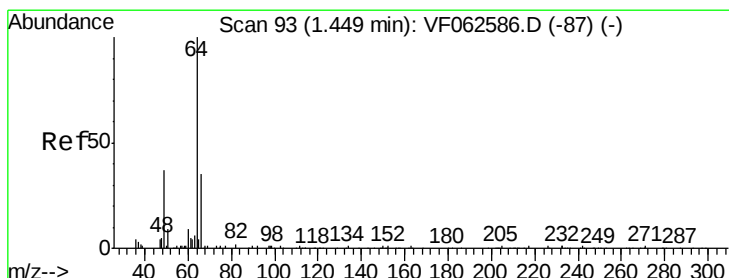
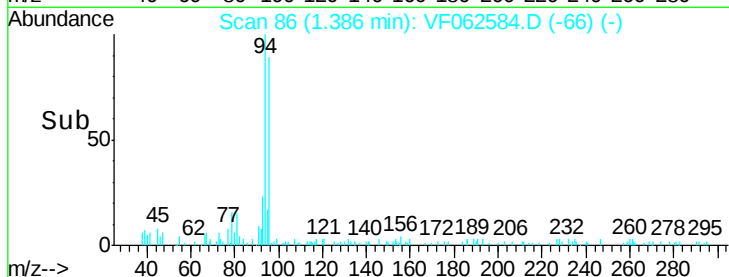
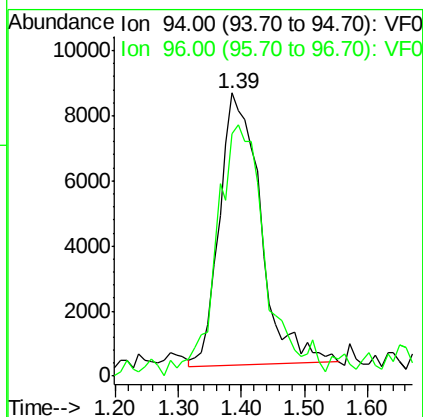
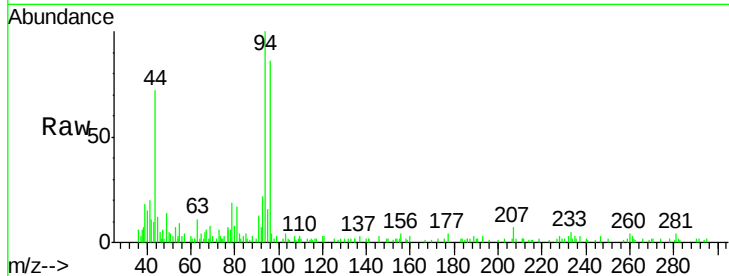
VSTDIC010

Tot Ion: 94 Resp: 37530

Ion Ratio Lower Upper

94 100

96 85.6 79.3 118.9



#6

Chloroethane

Concen: 8.620 ug/l

RT: 1.45 min Scan# 93

Delta R.T. 0.01 min

Lab File: VF062584.D

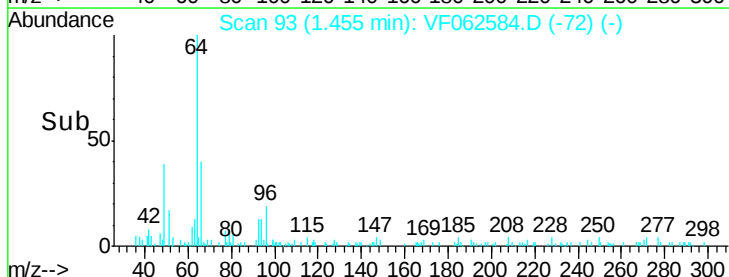
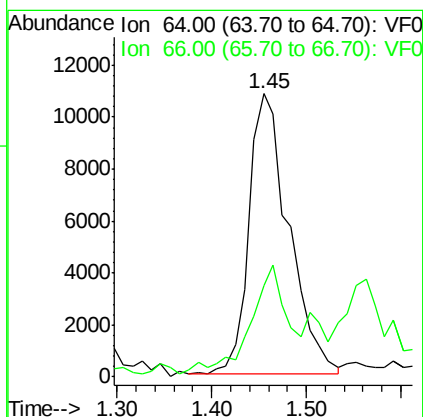
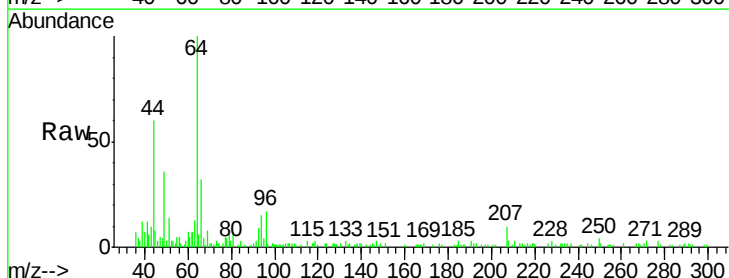
Acq: 14 May 2019 15:55

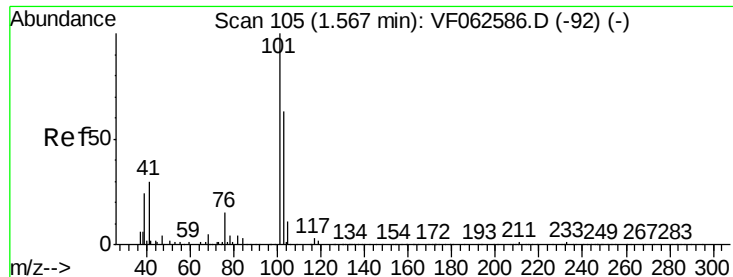
Tgt Ion: 64 Resp: 31677

Ion Ratio Lower Upper

64 100

66 32.5 28.9 43.3



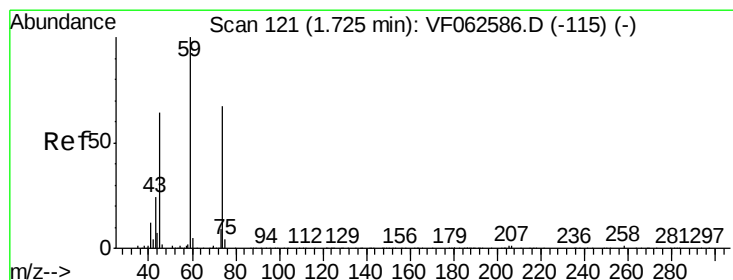
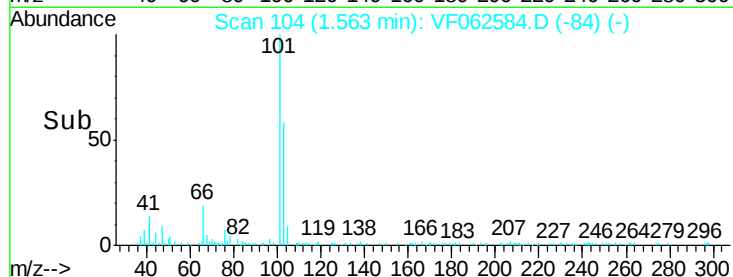
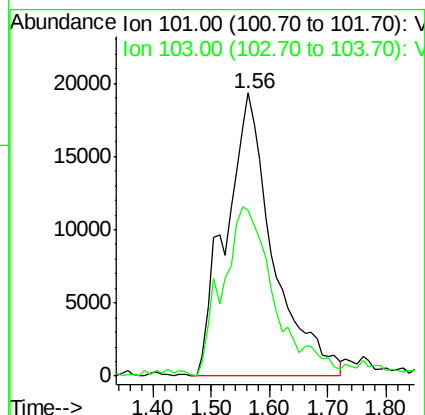
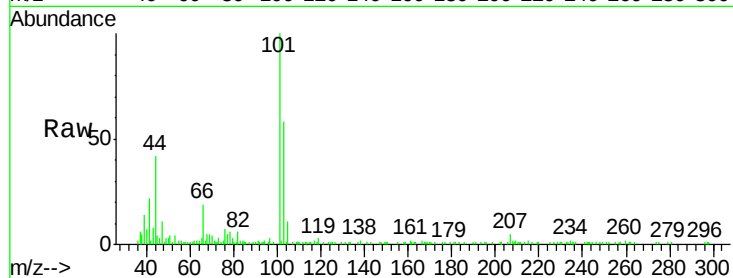


#7

Trichlorofluoromethane
Concen: 10.559 ug/l
RT: 1.56 min Scan# 104
Delta R.T. -0.00 min
Lab File: VF062584.D
Acq: 14 May 2019 15:55

Instrument :
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ClientSampleId :
VSTDIC010

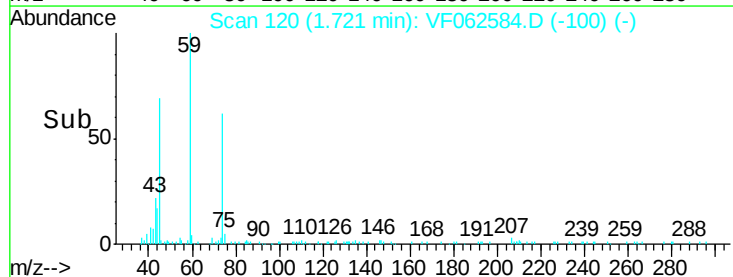
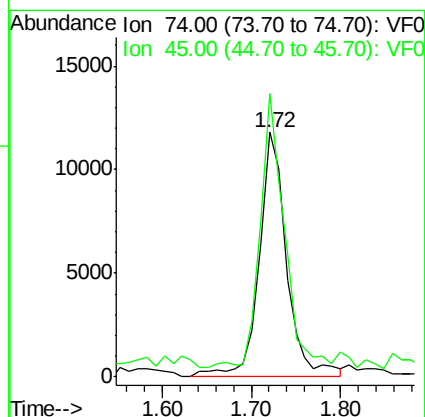
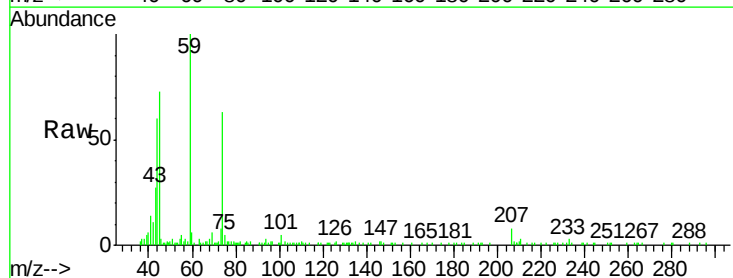
Tot Ion:101 Resp: 109147
Ion Ratio Lower Upper
101 100
103 58.4 50.8 76.2

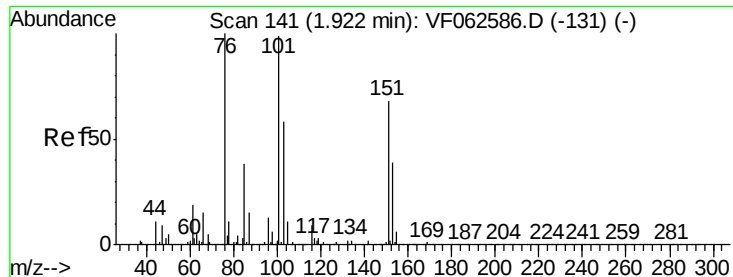


#8

Diethyl Ether
Concen: 11.413 ug/l
RT: 1.72 min Scan# 120
Delta R.T. -0.00 min
Lab File: VF062584.D
Acq: 14 May 2019 15:55

Tgt Ion: 74 Resp: 24983
Ion Ratio Lower Upper
74 100
45 115.6 48.6 145.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 11.014 ug/l

RT: 1.93 min Scan# 141

Delta R.T. 0.01 min

Lab File: VF062584.D

Acq: 14 May 2019 15:55

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

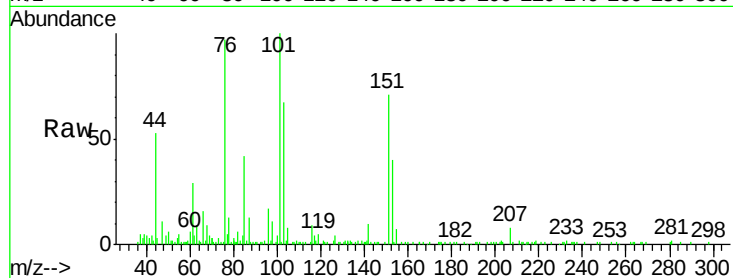
Tot Ion:101 Resp: 74310

Ion Ratio Lower Upper

101 100

85 41.9 30.2 45.4

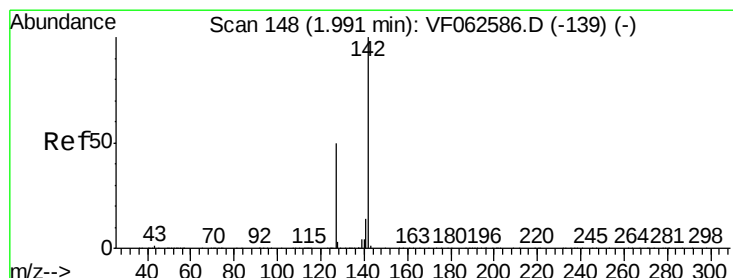
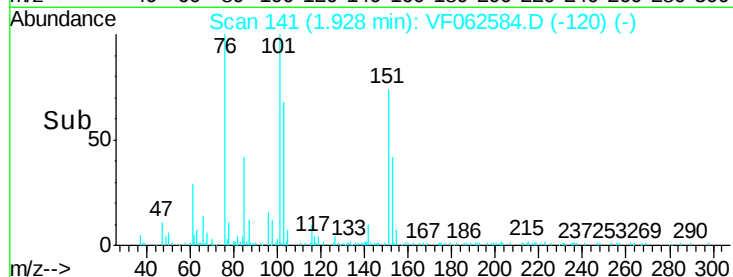
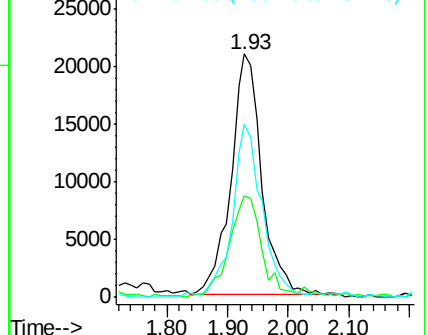
151 70.9 54.5 81.7



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: 11.416 ug/l

RT: 2.01 min Scan# 149

Delta R.T. 0.02 min

Lab File: VF062584.D

Acq: 14 May 2019 15:55

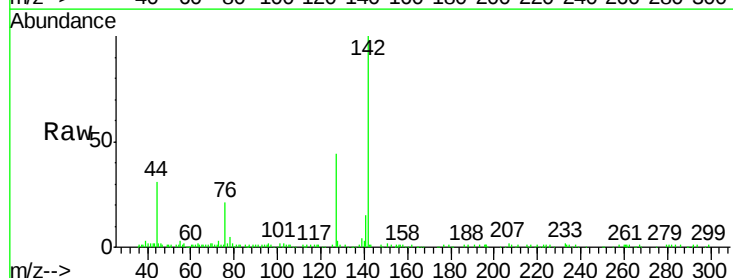
Tgt Ion:142 Resp: 130728

Ion Ratio Lower Upper

142 100

127 44.2 40.2 60.4

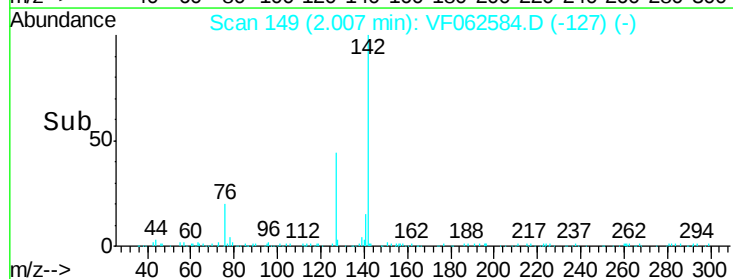
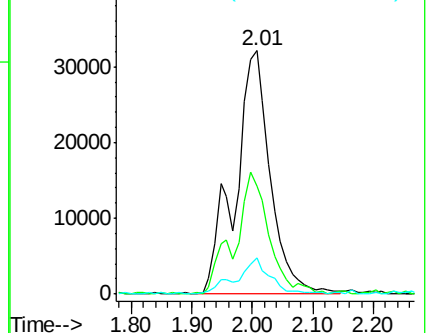
141 15.0 11.6 17.4

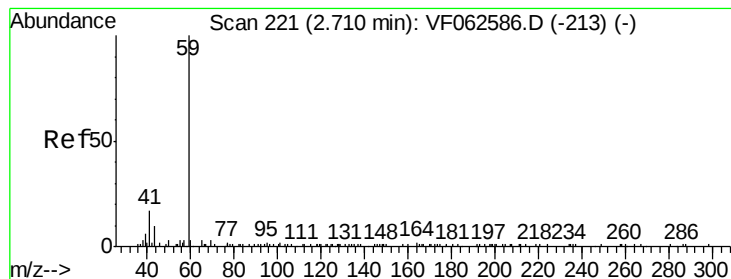


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



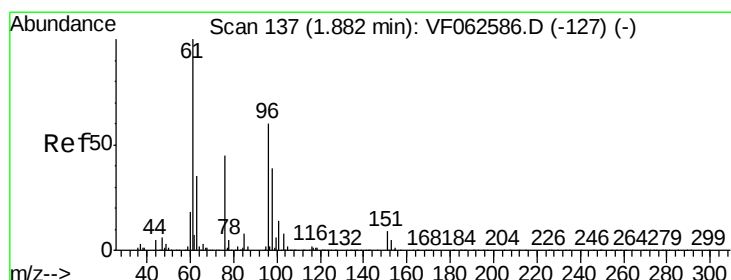
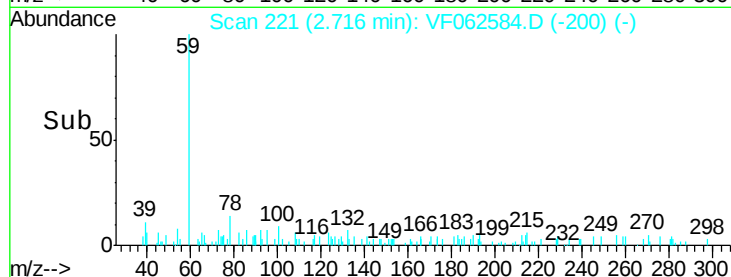
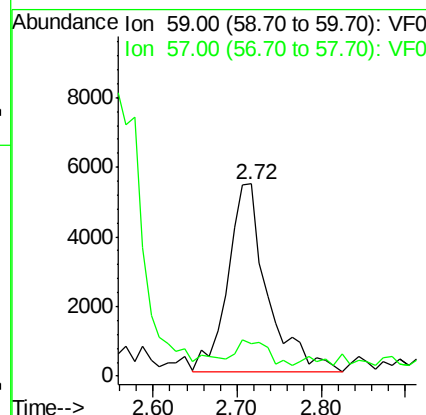
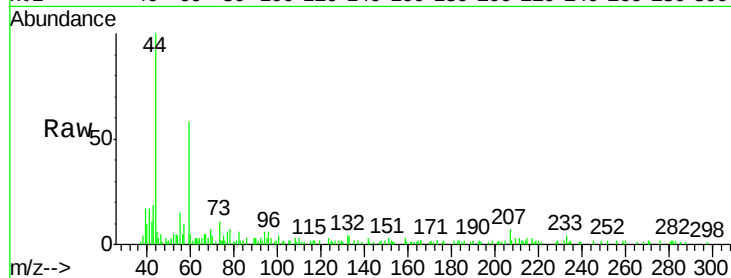


#11

Tert butyl alcohol
 Concen: 58.275 ug/l
 RT: 2.72 min Scan# 221
 Delta R.T. 0.01 min
 Lab File: VF062584.D
 Acq: 14 May 2019 15:55

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

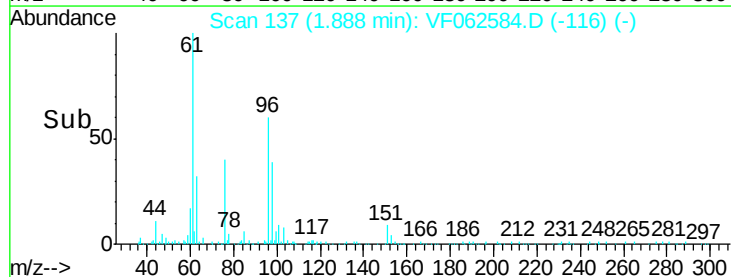
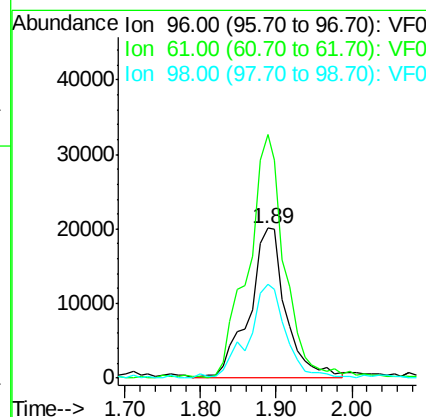
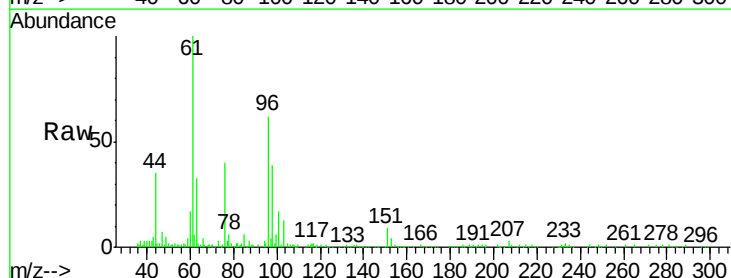
Tot Ion: 59 Resp: 17740
 Ion Ratio Lower Upper
 59 100
 57 17.1 8.0 12.0#

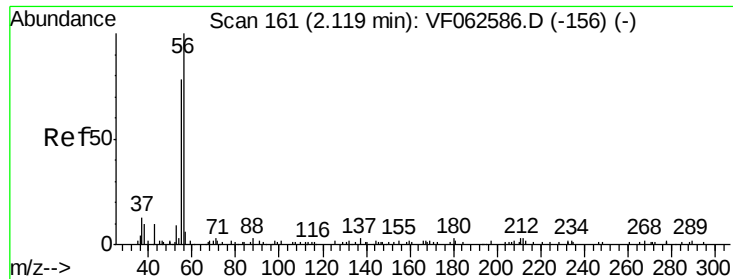


#12

1,1-Dichloroethene
 Concen: 10.987 ug/l
 RT: 1.89 min Scan# 137
 Delta R.T. 0.01 min
 Lab File: VF062584.D
 Acq: 14 May 2019 15:55

Tgt Ion: 96 Resp: 67123
 Ion Ratio Lower Upper
 96 100
 61 162.3 132.0 198.0
 98 62.8 51.3 76.9





#13

Acrolein

Concen: 41.635 ug/l

RT: 2.11 min Scan# 160

Delta R.T. -0.00 min

Lab File: VF062584.D

Acq: 14 May 2019 15:55

Instrument :

MSVOA_F

ClientSampleId :

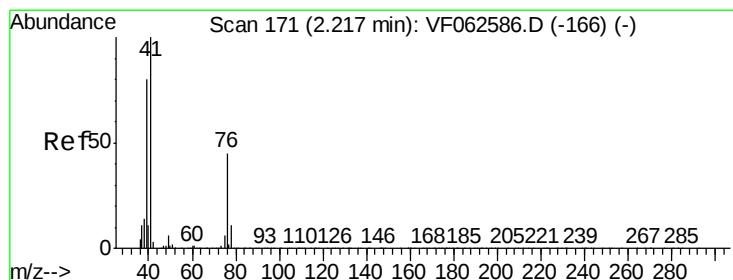
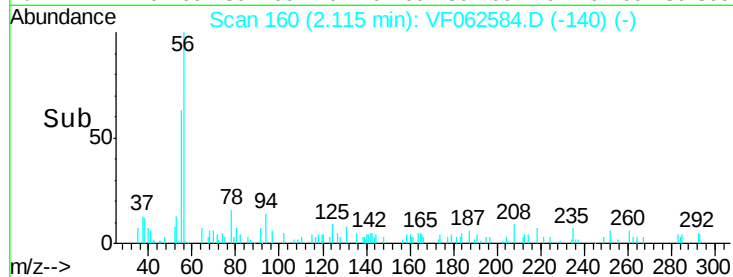
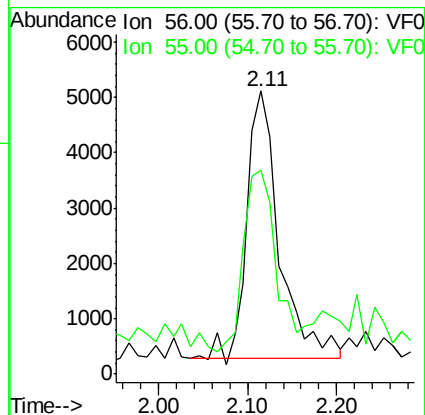
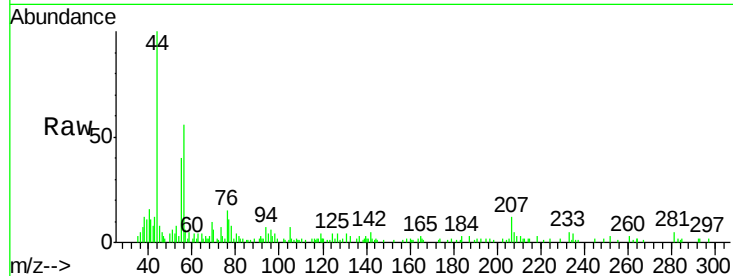
VSTDIC010

Tot Ion: 56 Resp: 12239

Ion Ratio Lower Upper

56 100

55 71.9 64.6 96.8



#14

Allyl chloride

Concen: 8.046 ug/l

RT: 2.21 min Scan# 170

Delta R.T. -0.00 min

Lab File: VF062584.D

Acq: 14 May 2019 15:55

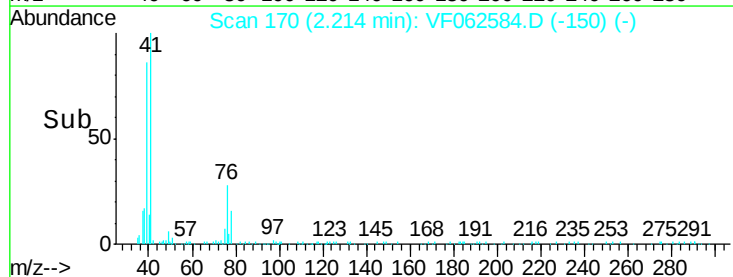
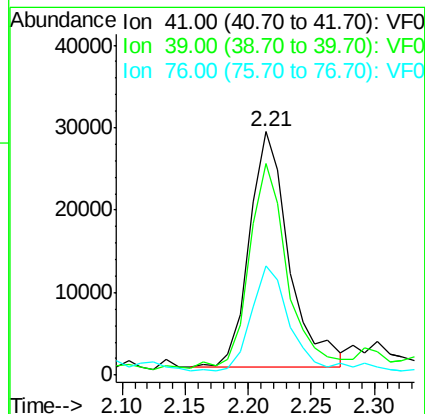
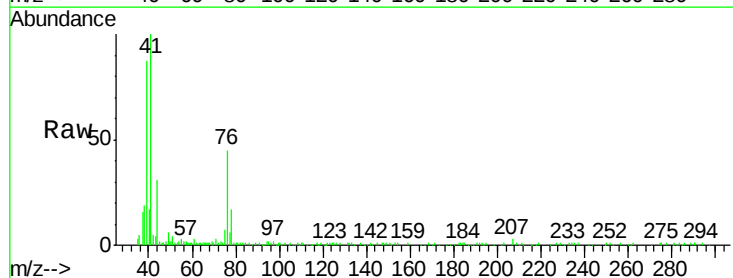
Tgt Ion: 41 Resp: 62114

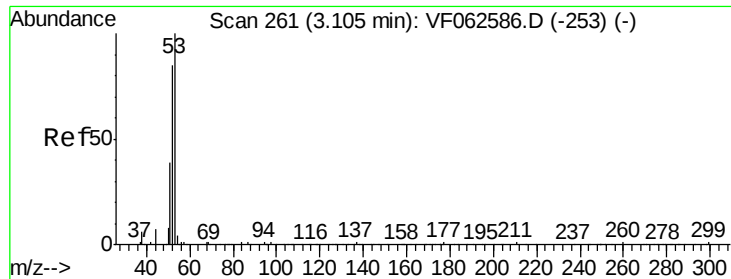
Ion Ratio Lower Upper

41 100

39 86.8 64.6 96.8

76 44.7 36.1 54.1





#15

Acrylonitrile

Concen: 69.847 ug/l

RT: 3.10 min Scan# 260

Delta R.T. -0.00 min

Lab File: VF062584.D

Acq: 14 May 2019 15:55

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

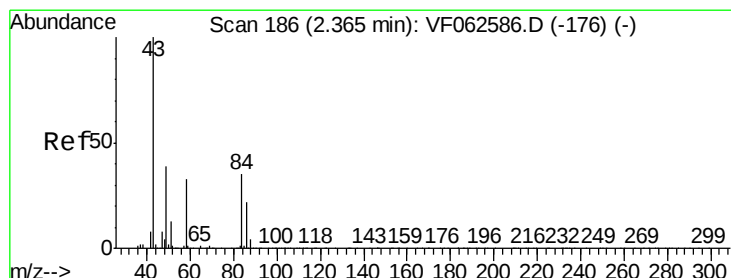
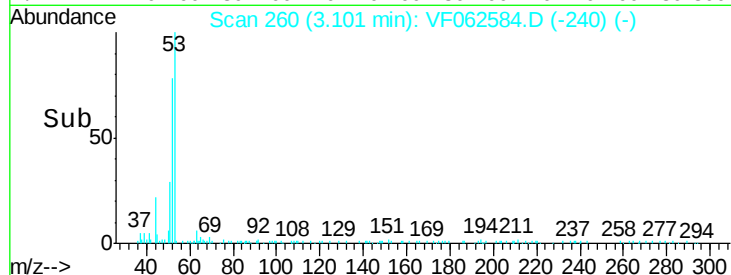
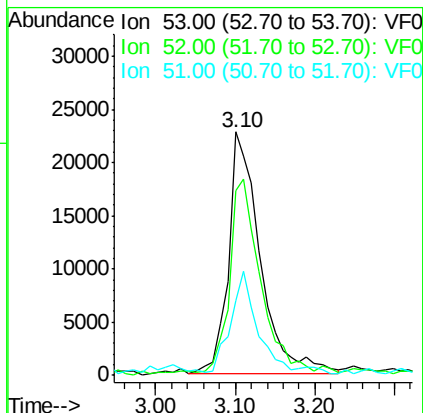
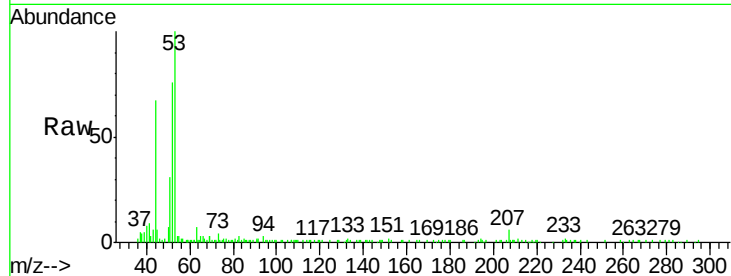
Tot Ion: 53 Resp: 63596

Ion Ratio Lower Upper

53 100

52 75.9 68.3 102.5

51 30.8 31.5 47.3#



#16

Acetone

Concen: 40.780 ug/l

RT: 2.36 min Scan# 185

Delta R.T. -0.00 min

Lab File: VF062584.D

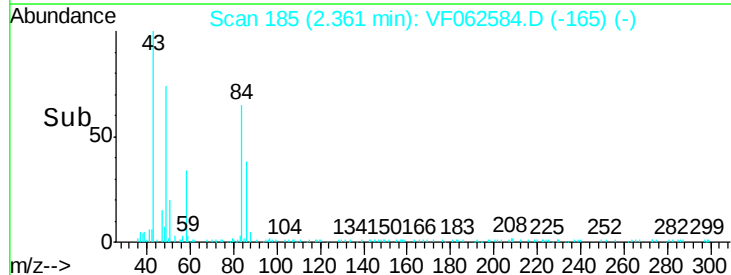
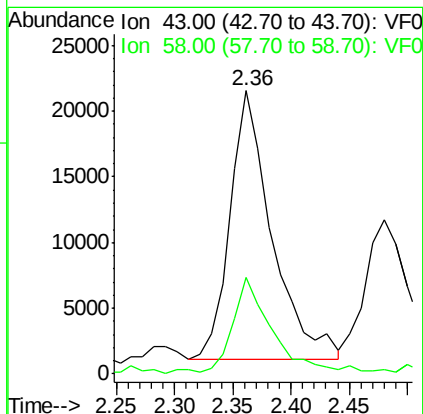
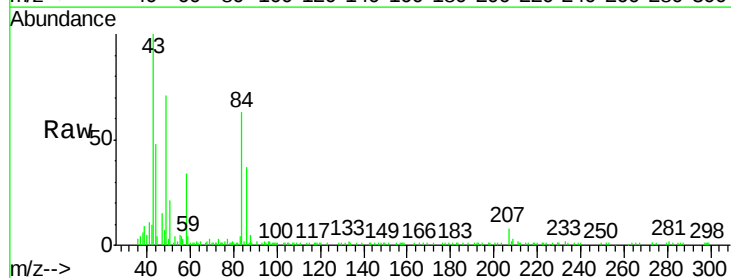
Acq: 14 May 2019 15:55

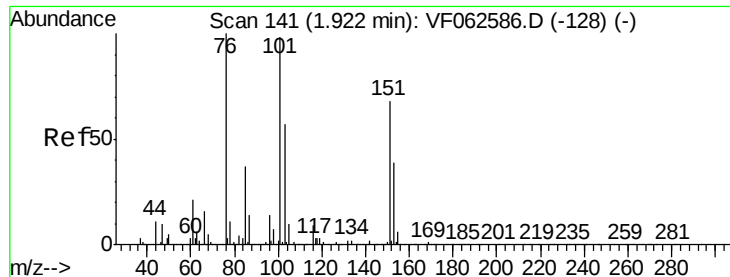
Tgt Ion: 43 Resp: 51103

Ion Ratio Lower Upper

43 100

58 34.3 26.7 40.1





#17

Carbon Disulfide

Concen: 8.434 ug/l

RT: 1.92 min Scan# 140

Delta R.T. -0.00 min

Lab File: VF062584.D

Acq: 14 May 2019 15:55

Instrument :

MSVOA_F

ClientSampleId :

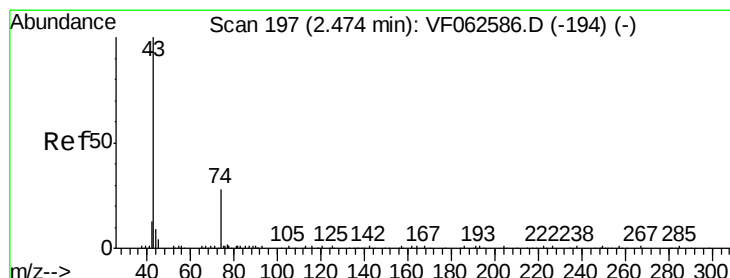
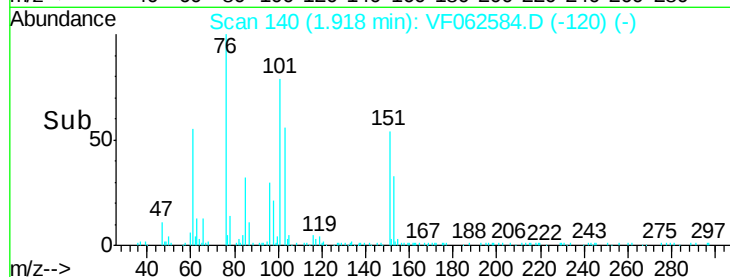
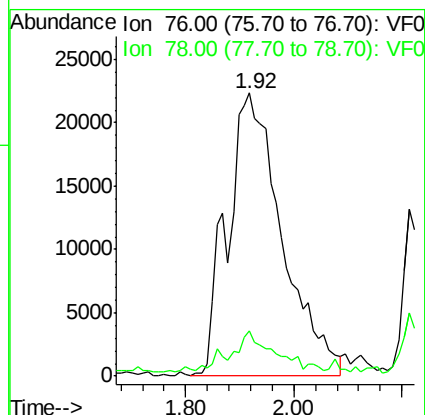
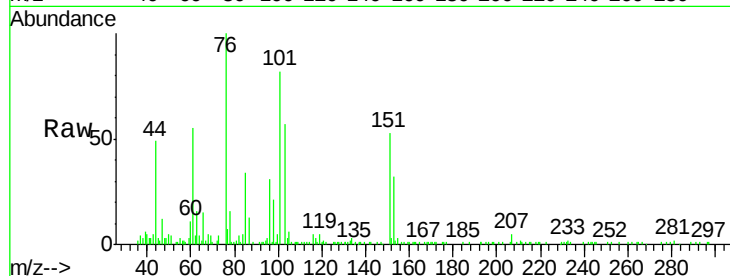
VSTDIC010

Tot Ion: 76 Resp: 157903

Ion Ratio Lower Upper

76 100

78 16.0 9.0 13.4#



#18

Methyl Acetate

Concen: 11.064 ug/l m

RT: 2.48 min Scan# 197

Delta R.T. 0.01 min

Lab File: VF062584.D

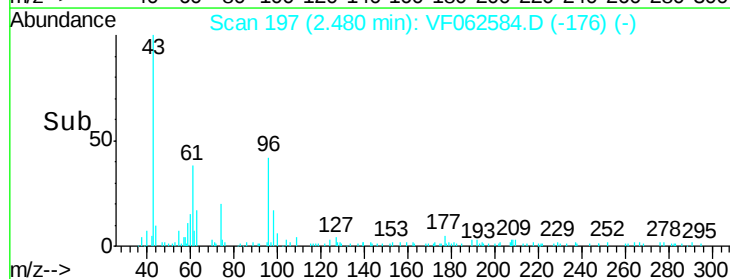
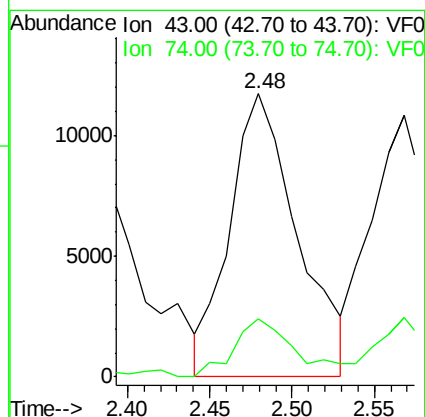
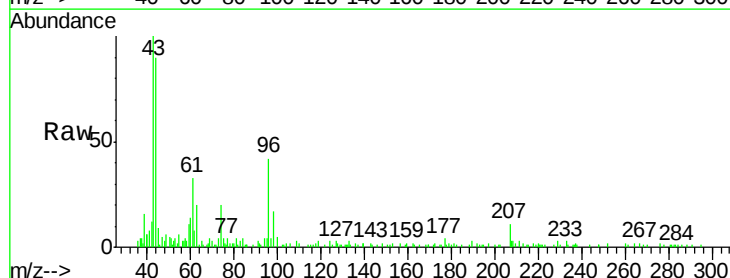
Acq: 14 May 2019 15:55

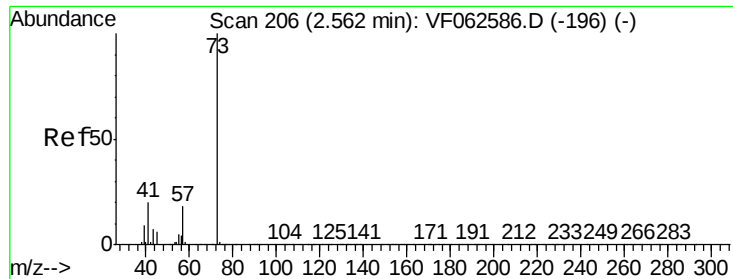
Tgt Ion: 43 Resp: 33592

Ion Ratio Lower Upper

43 100

74 20.3 21.4 32.0#

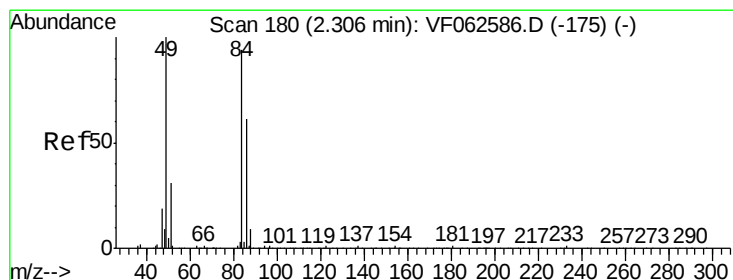
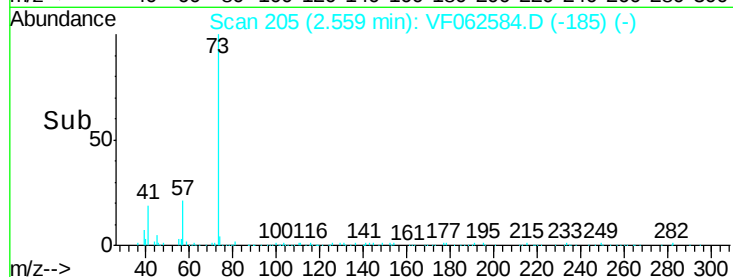
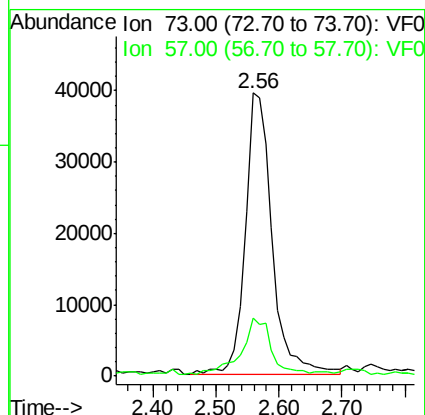
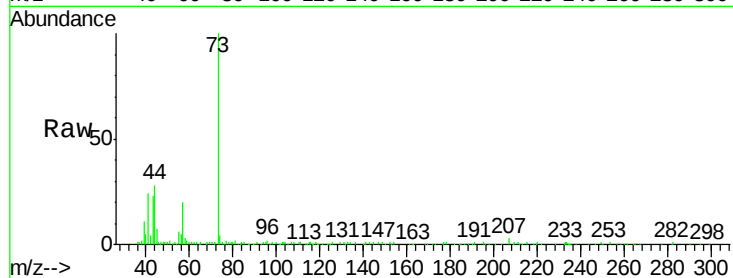




#19
Methvl tert-butvl Ether
Concen: 10.445 ug/l
RT: 2.56 min Scan# 205
Delta R.T. -0.00 min
Lab File: VF062584.D
Acq: 14 May 2019 15:55

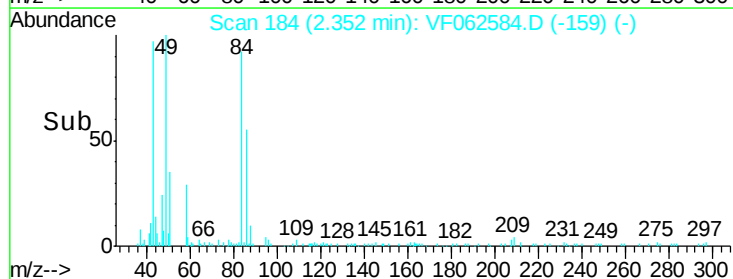
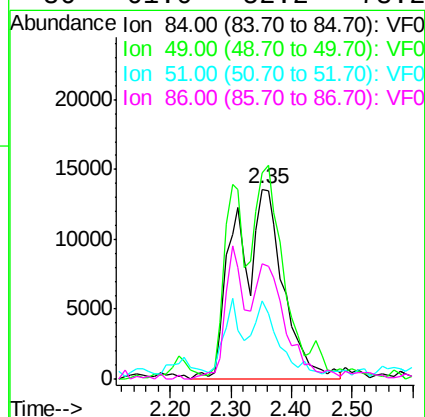
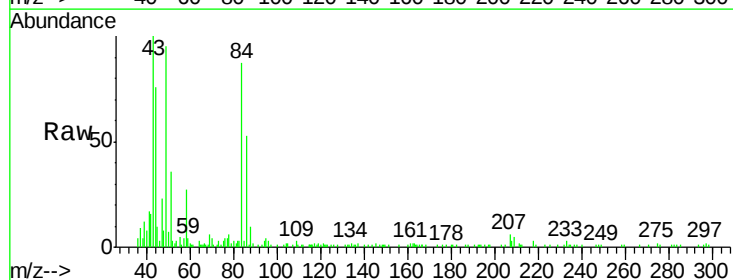
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

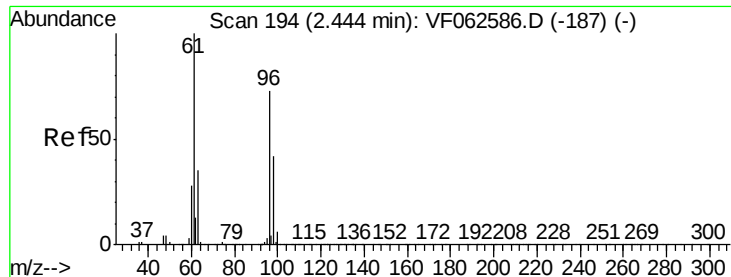
Tot Ion: 73 Resp: 115410
Ion Ratio Lower Upper
73 100
57 20.5 14.6 22.0



#20
Methylene Chloride
Concen: 10.112 ug/l m
RT: 2.35 min Scan# 184
Delta R.T. 0.05 min
Lab File: VF062584.D
Acq: 14 May 2019 15:55

Tgt Ion: 84 Resp: 74170
Ion Ratio Lower Upper
84 100
49 108.9 86.9 130.3
51 41.0 27.0 40.6#
86 61.0 52.2 78.2





#21

trans-1,2-Dichloroethene

Concen: 12.060 ug/l

RT: 2.44 min Scan# 193

Delta R.T. -0.00 min

Lab File: VF062584.D

Acq: 14 May 2019 15:55

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

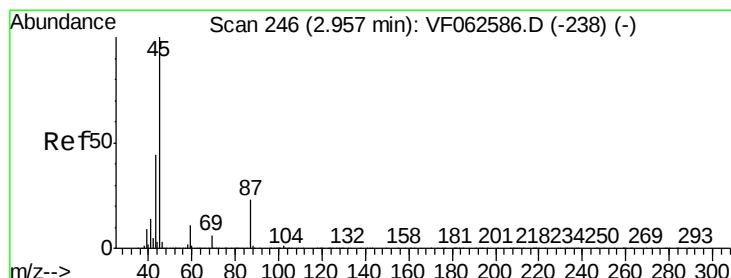
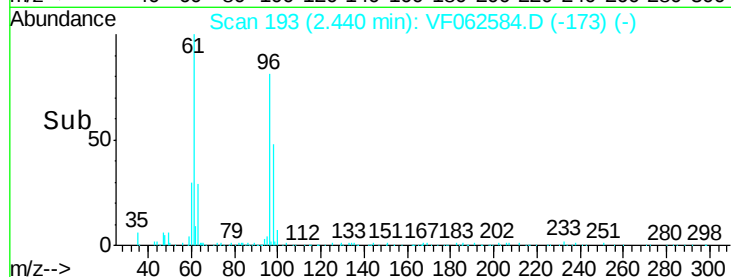
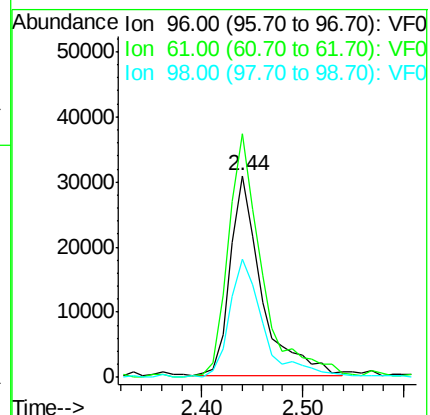
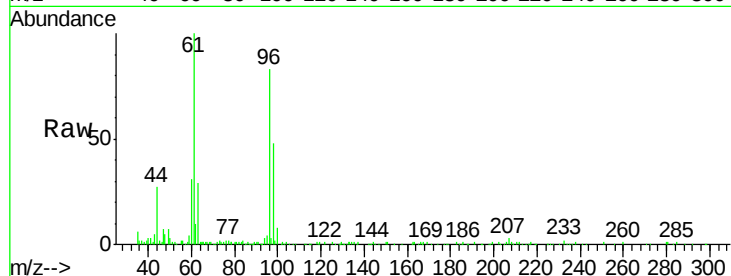
Tot Ion: 96 Resp: 66285

Ion Ratio Lower Upper

96 100

61 116.7 109.2 163.8

98 58.4 46.3 69.5



#22

Diisopropyl ether

Concen: 8.009 ug/l

RT: 2.95 min Scan# 245

Delta R.T. -0.00 min

Lab File: VF062584.D

Acq: 14 May 2019 15:55

Tgt Ion: 45 Resp: 142845

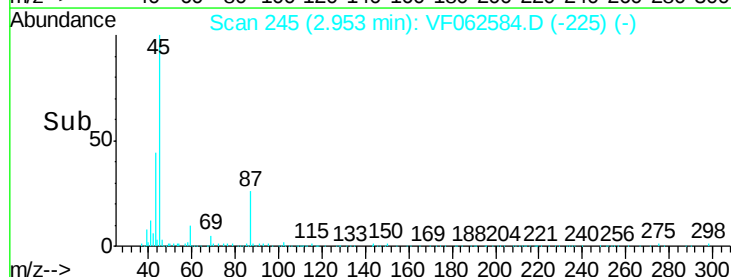
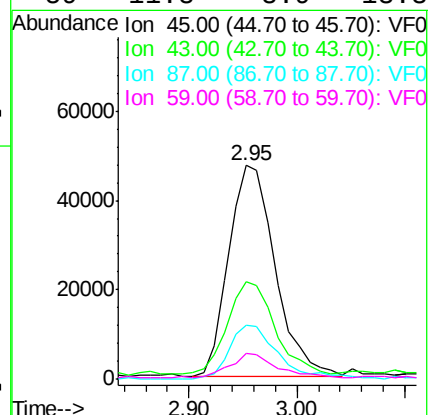
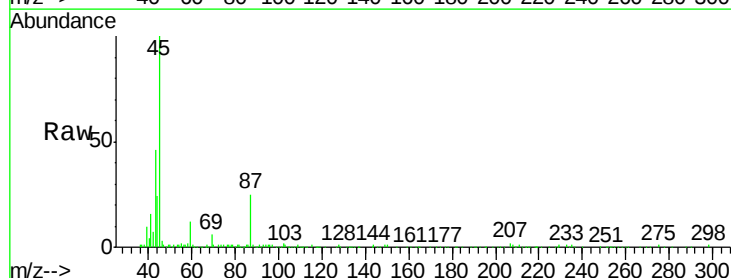
Ion Ratio Lower Upper

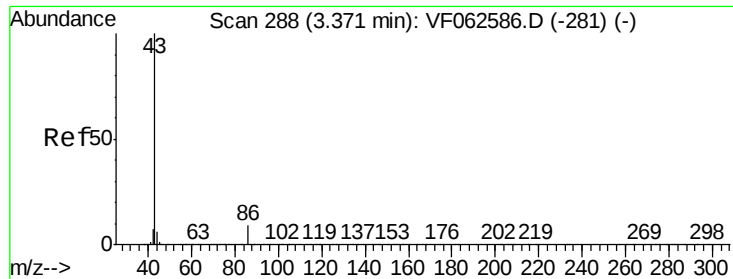
45 100

43 45.8 35.4 53.0

87 25.3 18.4 27.6

59 11.8 8.9 13.3





#23

Vinyl Acetate

Concen: 48.086 ug/l

RT: 3.37 min Scan# 287

Delta R.T. -0.00 min

Lab File: VF062584.D

Acq: 14 May 2019 15:55

Instrument :

MSVOA_F

ClientSampleId :

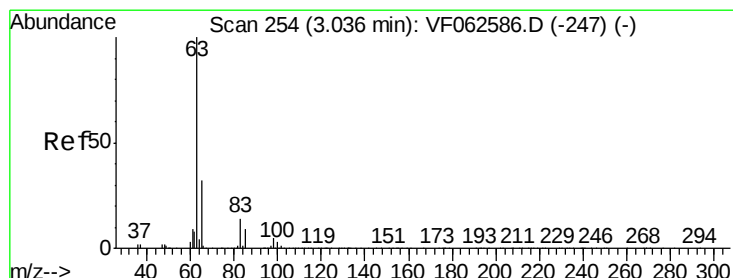
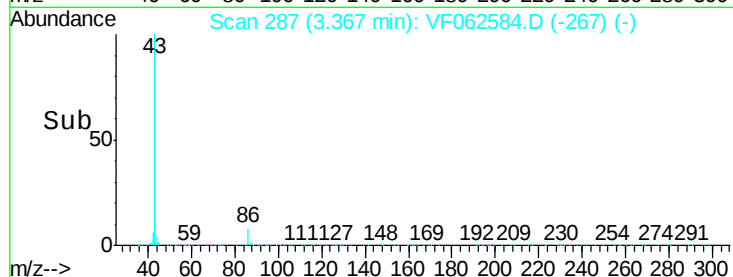
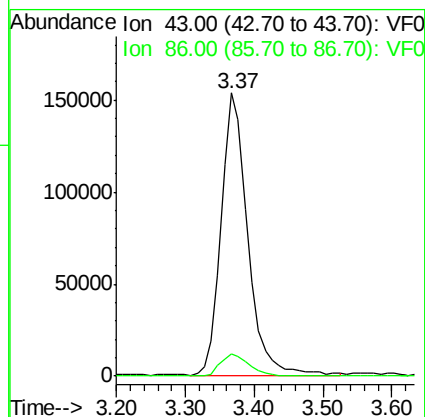
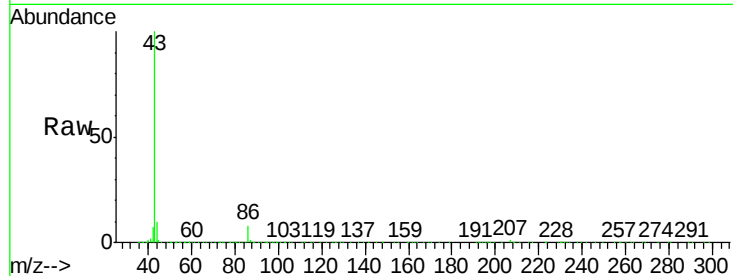
VSTDIC010

Tot Ion: 43 Resp: 412315

Ion Ratio Lower Upper

43 100

86 7.8 7.1 10.7



#24

1,1-Dichloroethane

Concen: 10.554 ug/l

RT: 3.03 min Scan# 253

Delta R.T. -0.00 min

Lab File: VF062584.D

Acq: 14 May 2019 15:55

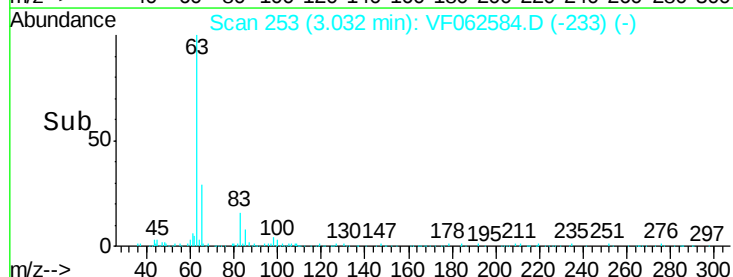
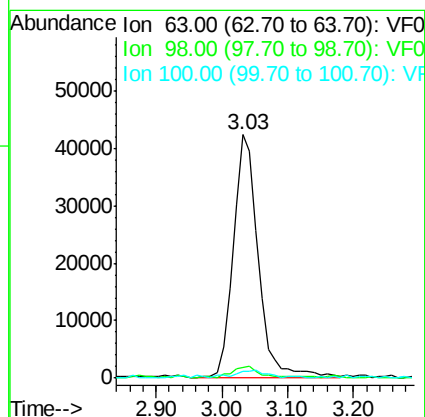
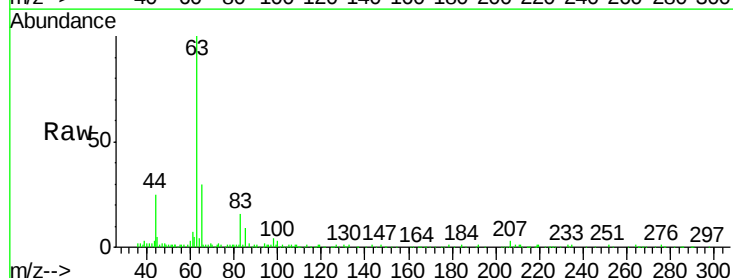
Tgt Ion: 63 Resp: 113770

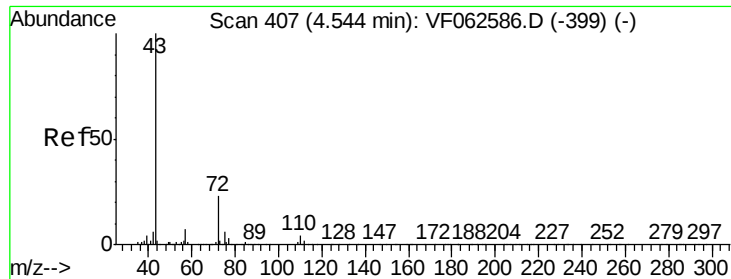
Ion Ratio Lower Upper

63 100

98 4.5 2.6 7.8

100 2.7 1.7 5.1





#25

2-Butanone

Concen: 50.717 ug/l

RT: 4.55 min Scan# 407

Delta R.T. 0.01 min

Lab File: VF062584.D

Acq: 14 May 2019 15:55

Instrument :

MSVOA_F

ClientSampleId :

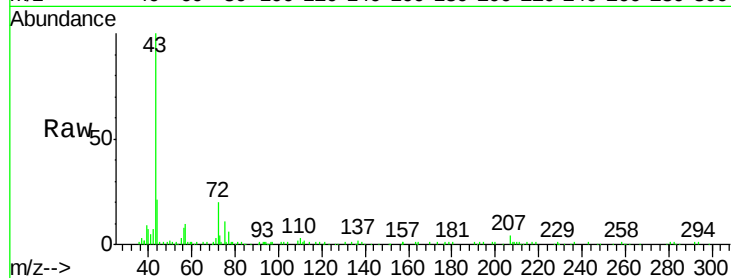
VSTDIC010

Tot Ion: 43 Resp: 119244

Ion Ratio Lower Upper

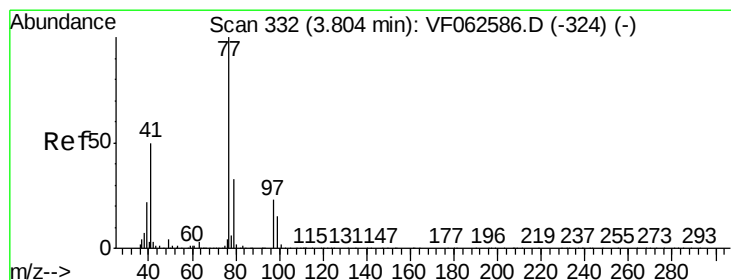
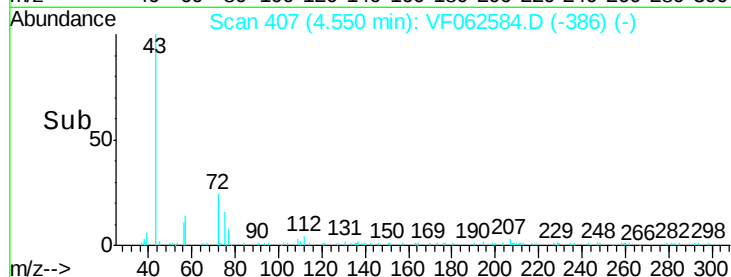
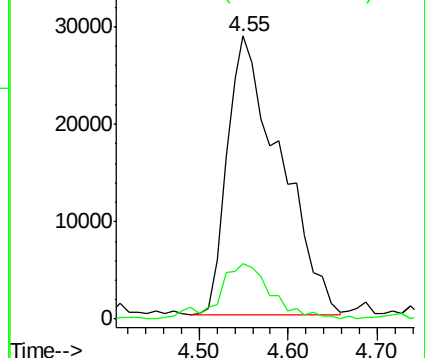
43 100

72 19.6 18.5 27.7



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#26

2,2-Dichloropropane

Concen: 10.451 ug/l

RT: 3.80 min Scan# 331

Delta R.T. -0.00 min

Lab File: VF062584.D

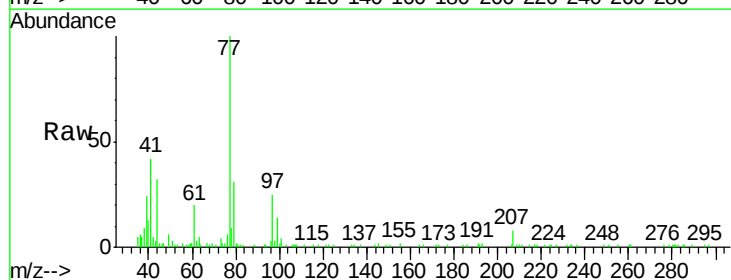
Acq: 14 May 2019 15:55

Tgt Ion: 77 Resp: 59821

Ion Ratio Lower Upper

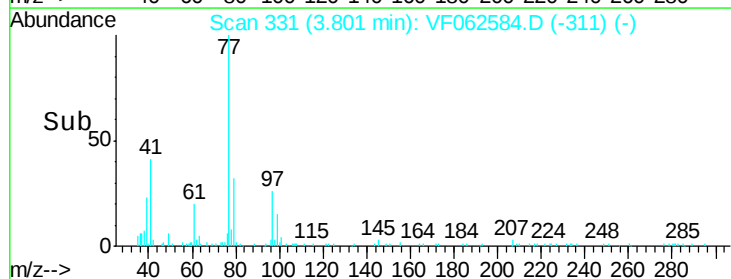
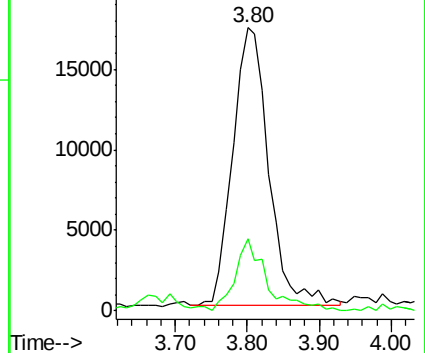
77 100

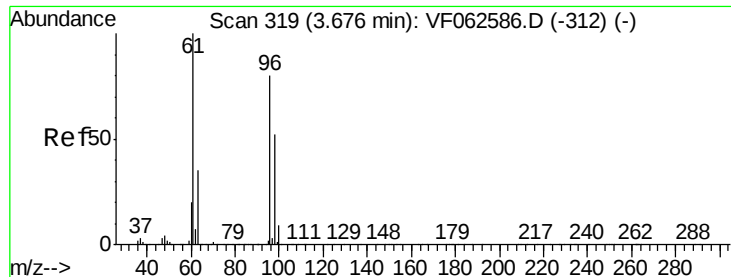
97 25.4 12.0 36.0



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0



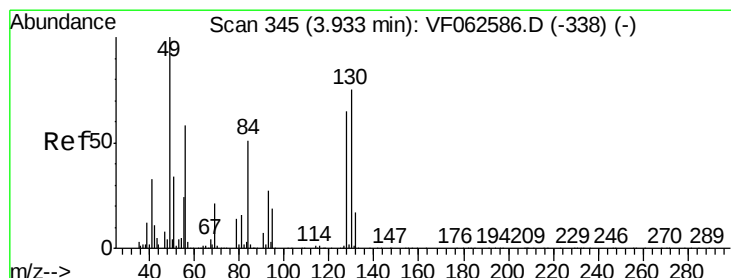
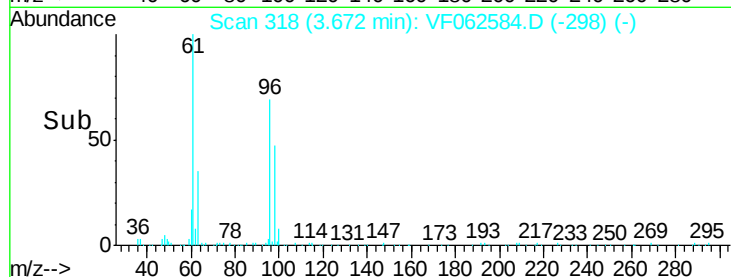
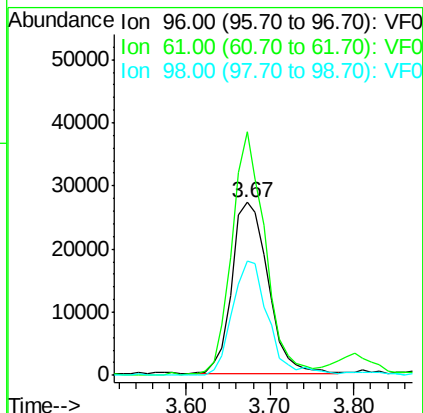
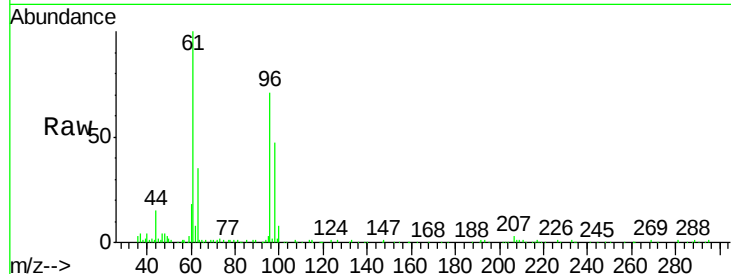


#27

cis-1,2-Dichloroethene
Concen: 11.260 ug/l
RT: 3.67 min Scan# 318
Delta R.T. -0.00 min
Lab File: VF062584.D
Acq: 14 May 2019 15:55

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

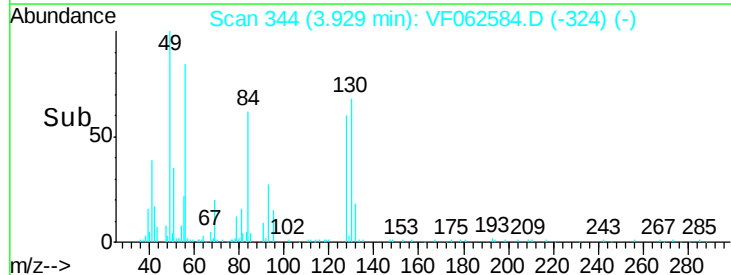
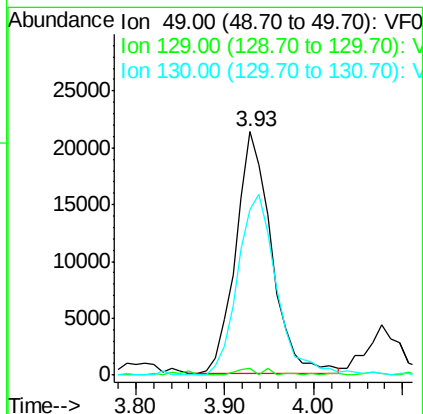
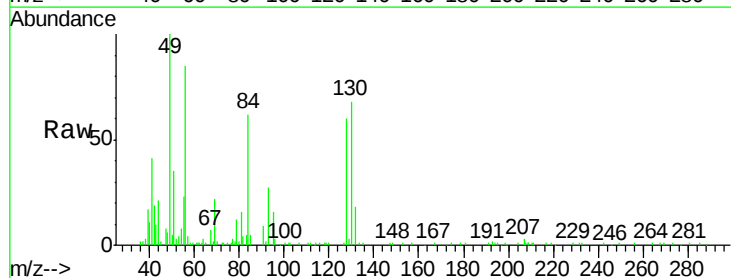
Tot Ion	Ratio	Lower	Upper
96	100		
61	140.9	0.0	251.4
98	66.1	0.0	129.8

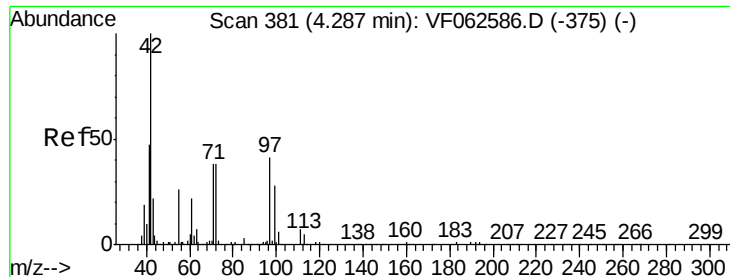


#28

Bromochloromethane
Concen: 12.258 ug/l
RT: 3.93 min Scan# 344
Delta R.T. -0.00 min
Lab File: VF062584.D
Acq: 14 May 2019 15:55

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.9	0.0	4.0
130	68.2	59.7	89.5





#29

Tetrahydrofuran

Concen: 46.428 ug/l

RT: 4.29 min Scan# 381

Delta R.T. 0.01 min

Lab File: VF062584.D

Acq: 14 May 2019 15:55

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

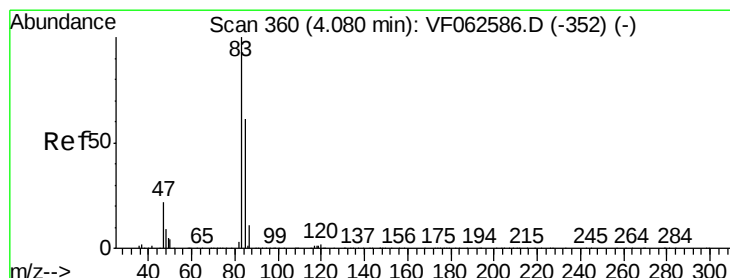
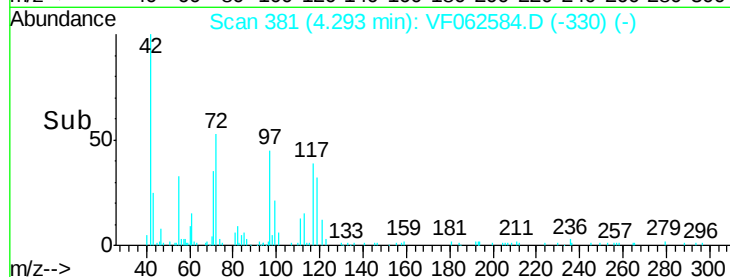
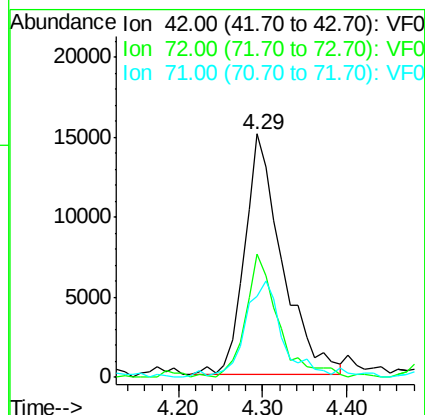
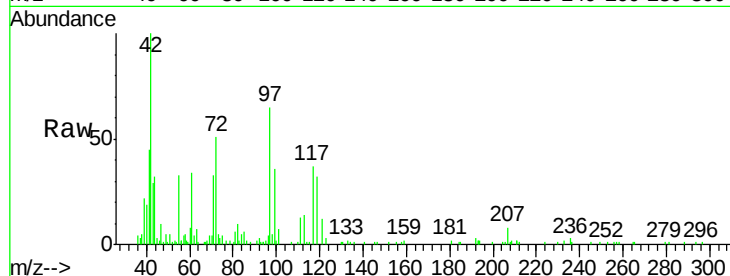
Tot Ion: 42 Resp: 47119

Ion Ratio Lower Upper

42 100

72 44.0 34.0 51.0

71 36.7 32.8 49.2



#30

Chloroform

Concen: 10.642 ug/l

RT: 4.09 min Scan# 360

Delta R.T. 0.01 min

Lab File: VF062584.D

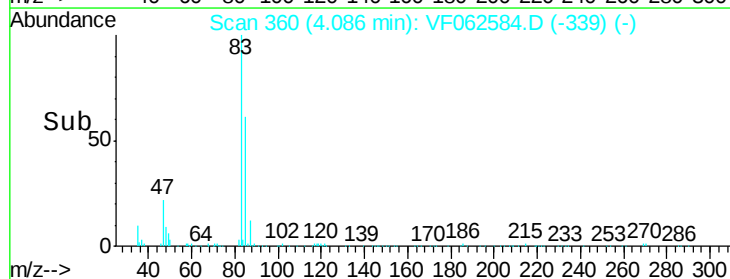
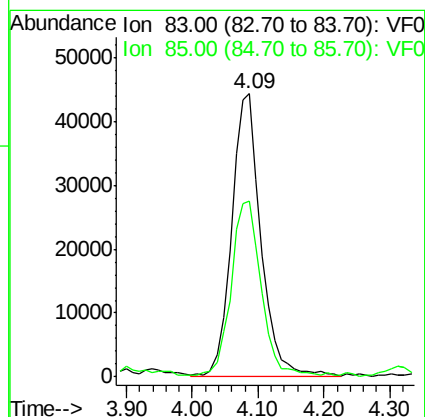
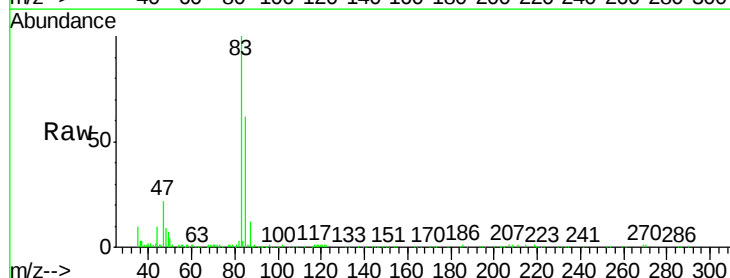
Acq: 14 May 2019 15:55

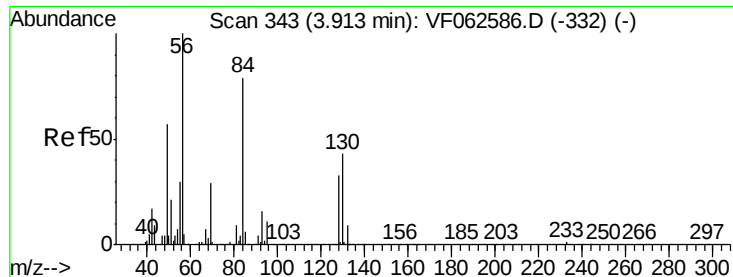
Tgt Ion: 83 Resp: 138239

Ion Ratio Lower Upper

83 100

85 61.9 48.7 73.1

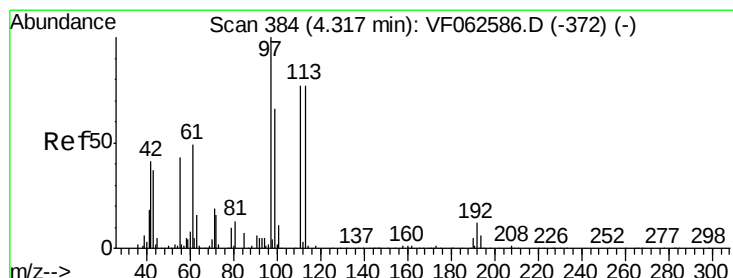
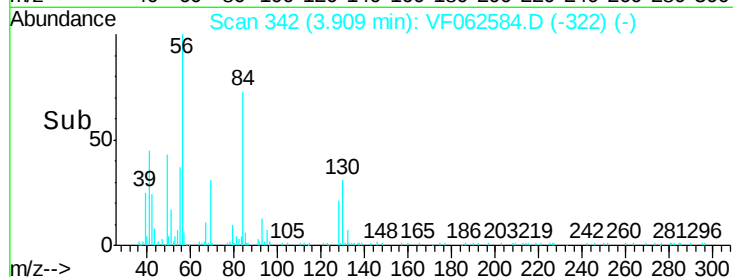
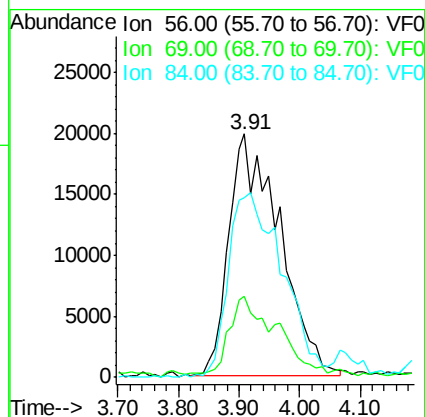
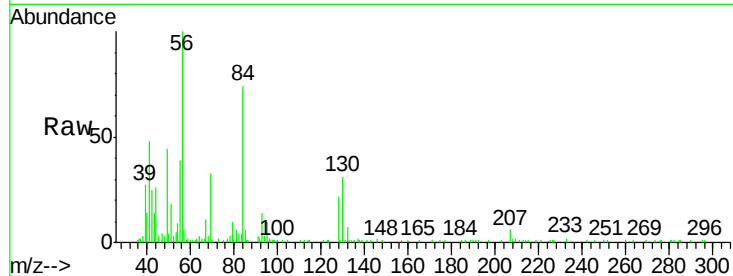




#31
Cyclohexane
Concen: 10.821 ug/l
RT: 3.91 min Scan# 342
Delta R.T. -0.00 min
Lab File: VF062584.D
Acq: 14 May 2019 15:55

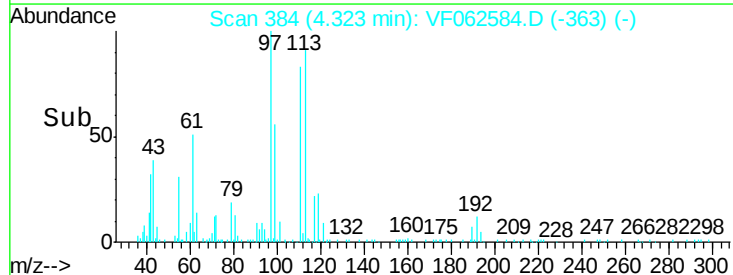
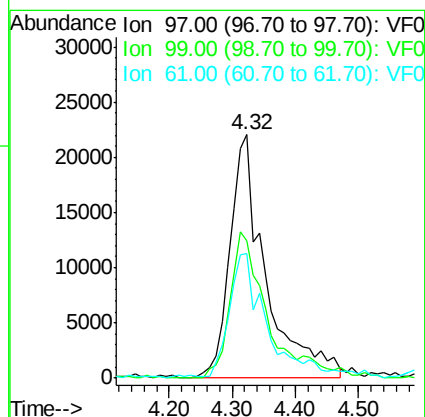
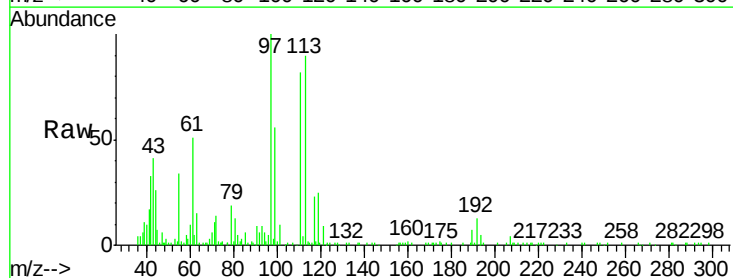
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

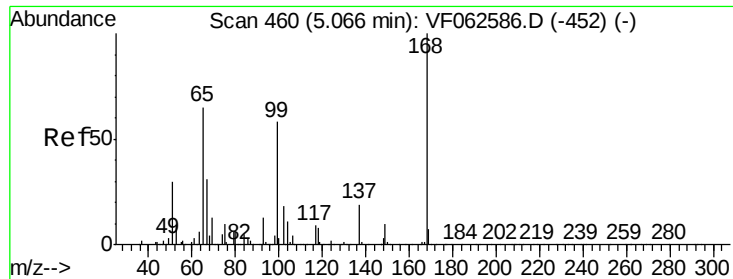
Tot Ion: 56 Resp: 115095
Ion Ratio Lower Upper
56 100
69 33.1 22.9 34.3
84 73.9 63.4 95.2



#32
1,1,1-Trichloroethane
Concen: 10.144 ug/l
RT: 4.32 min Scan# 384
Delta R.T. 0.01 min
Lab File: VF062584.D
Acq: 14 May 2019 15:55

Tgt Ion: 97 Resp: 86856
Ion Ratio Lower Upper
97 100
99 56.3 53.4 80.0
61 51.3 38.9 58.3

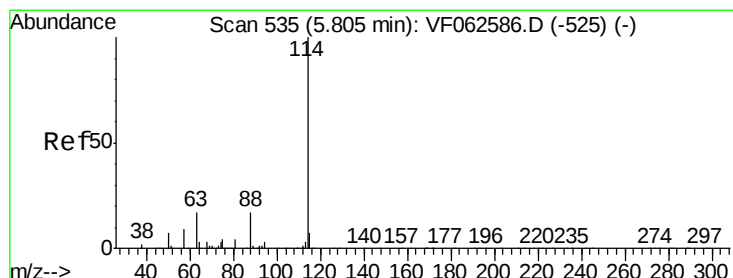
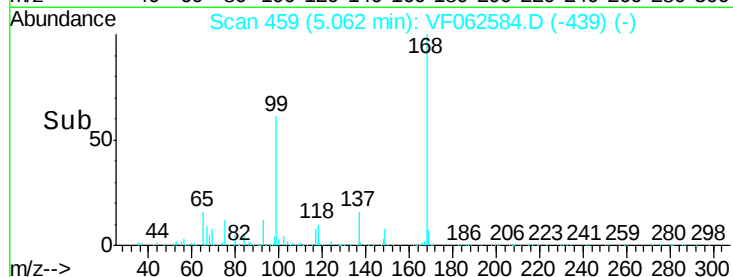
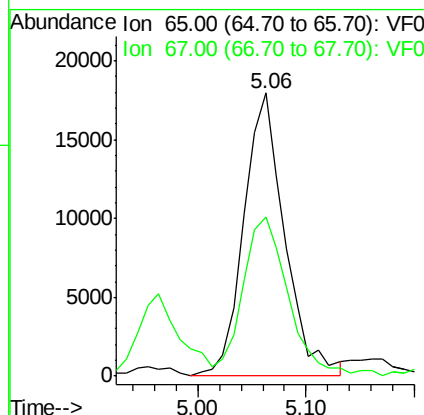
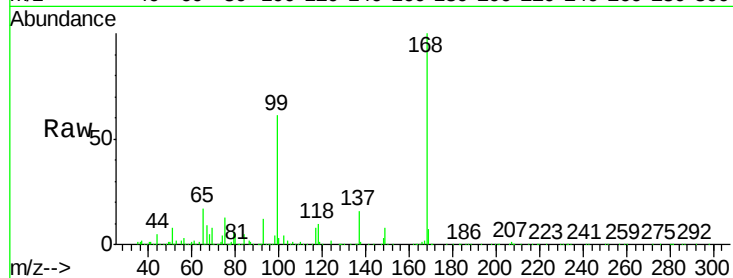




#33
 1,2-Dichloroethane-d4
 Concen: 7.266 ug/l
 RT: 5.06 min Scan# 459
 Delta R.T. -0.00 min
 Lab File: VF062584.D
 Acq: 14 May 2019 15:55

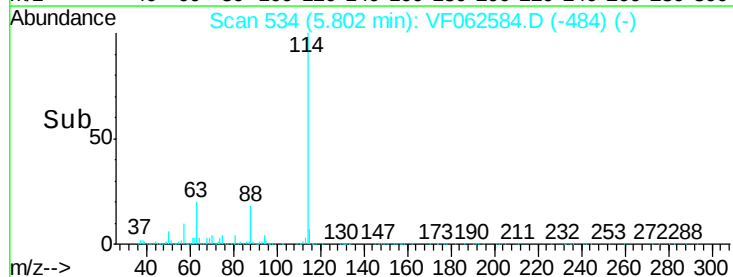
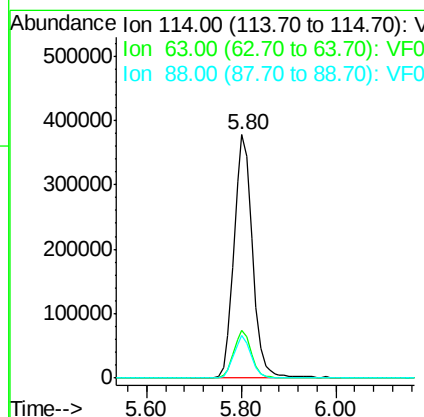
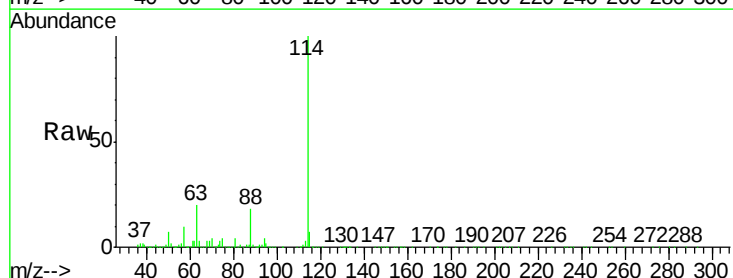
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

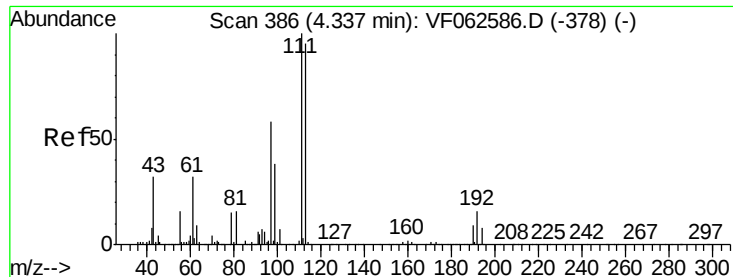
Tot Ion: 65 Resp: 47155
 Ion Ratio Lower Upper
 65 100
 67 56.2 0.0 116.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.80 min Scan# 534
 Delta R.T. -0.00 min
 Lab File: VF062584.D
 Acq: 14 May 2019 15:55

Tgt Ion: 114 Resp: 1023152
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 34.6
 88 17.6 0.0 33.6

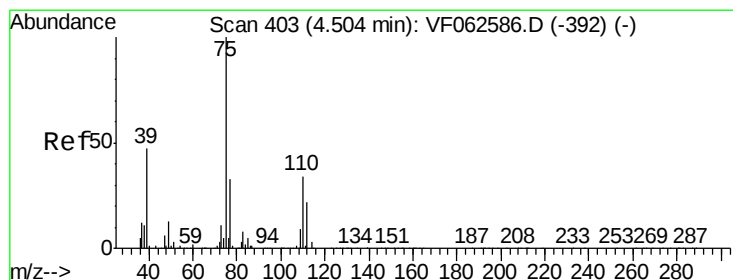
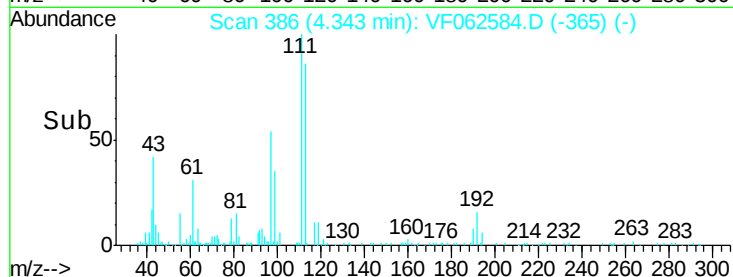
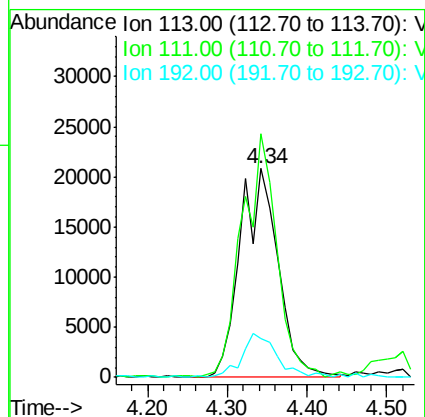
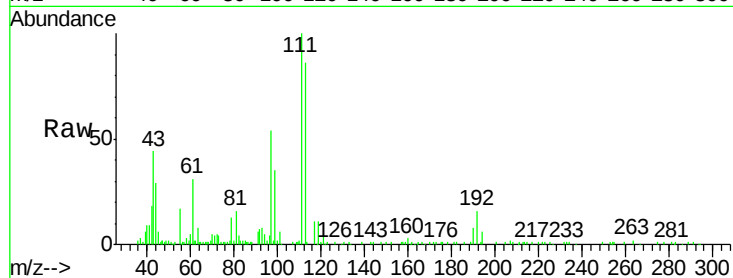




#35
 Dibromofluoromethane
 Concen: 9.016 ug/l
 RT: 4.34 min Scan# 386
 Delta R.T. 0.01 min
 Lab File: VF062584.D
 Acq: 14 May 2019 15:55

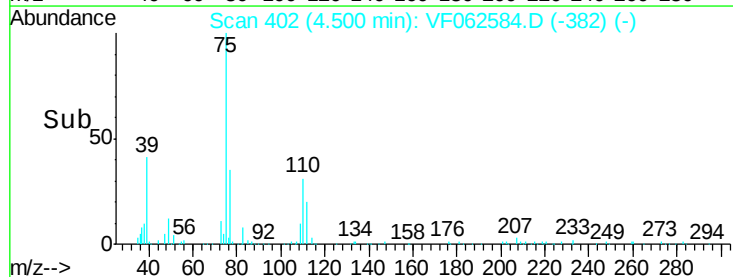
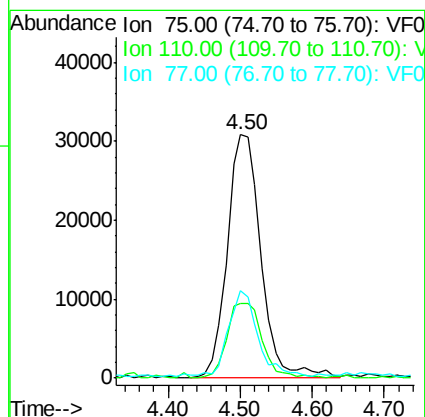
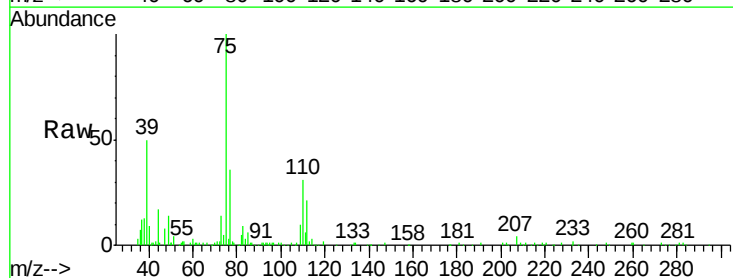
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

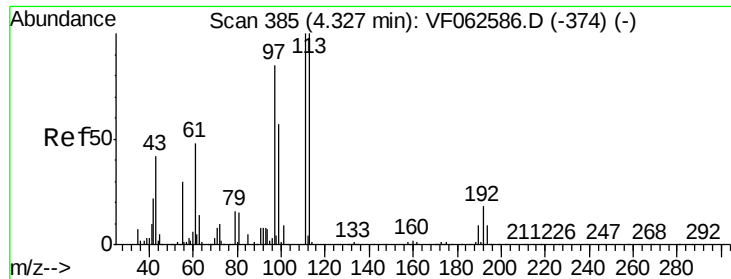
Tot Ion:113 Resp: 68699
 Ion Ratio Lower Upper
 113 100
 111 115.3 83.9 125.9
 192 18.4 13.7 20.5



#36
 1,1-Dichloropropene
 Concen: 9.071 ug/l
 RT: 4.50 min Scan# 402
 Delta R.T. -0.00 min
 Lab File: VF062584.D
 Acq: 14 May 2019 15:55

Tgt Ion: 75 Resp: 100362
 Ion Ratio Lower Upper
 75 100
 110 30.7 17.3 51.7
 77 35.9 26.4 39.6

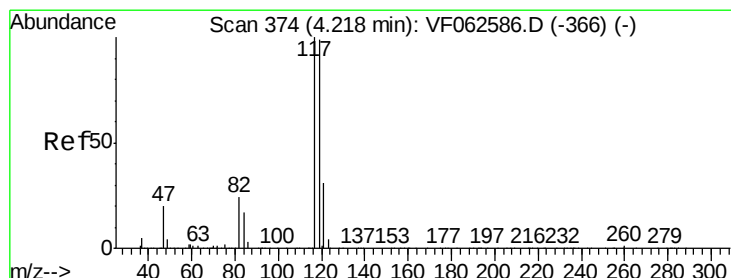
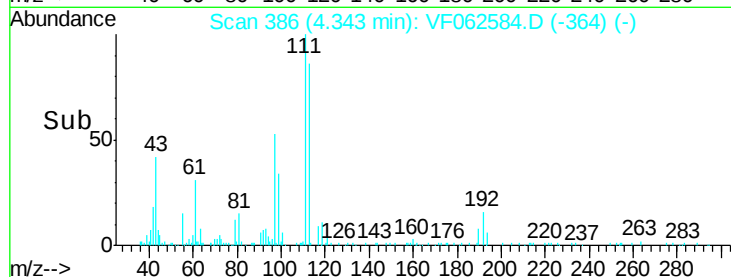
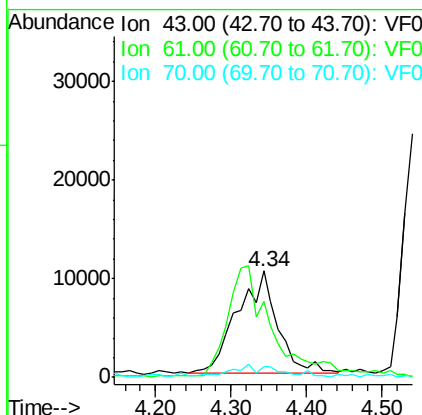
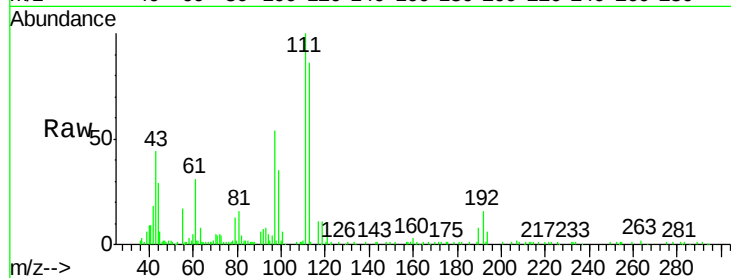




#37
Ethyl Acetate
Concen: 7.632 ug/l
RT: 4.34 min Scan# 386
Delta R.T. 0.02 min
Lab File: VF062584.D
Acq: 14 May 2019 15:55

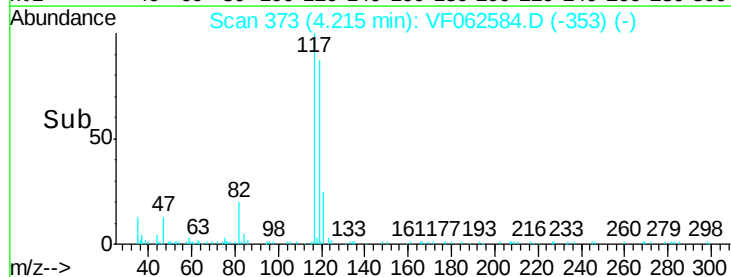
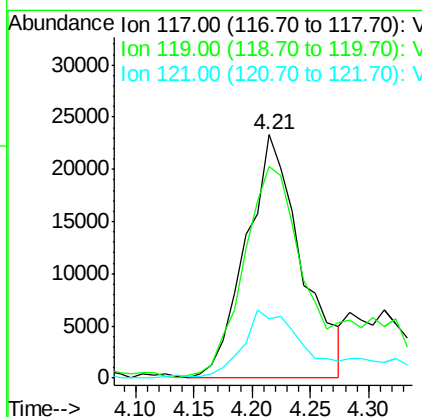
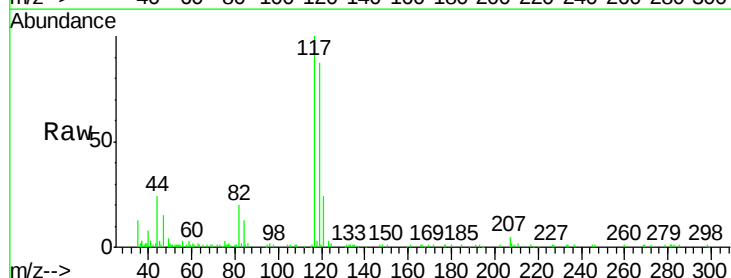
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

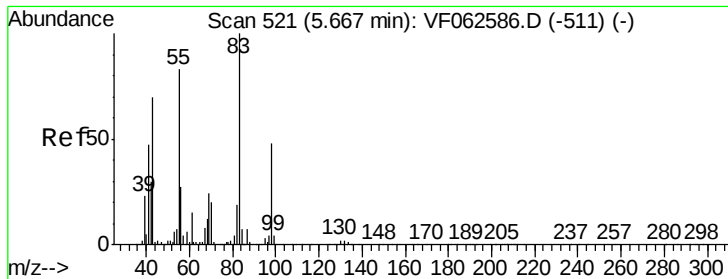
Tot Ion: 43 Resp: 39066
Ion Ratio Lower Upper
43 100
61 71.0 88.6 132.8#
70 10.6 8.3 12.5



#38
Carbon Tetrachloride
Concen: 8.980 ug/l
RT: 4.21 min Scan# 373
Delta R.T. -0.00 min
Lab File: VF062584.D
Acq: 14 May 2019 15:55

Tgt Ion: 117 Resp: 76674
Ion Ratio Lower Upper
117 100
119 86.7 79.0 118.6
121 24.3 25.0 37.6#

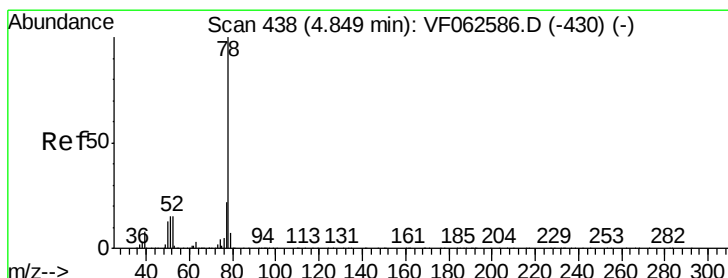
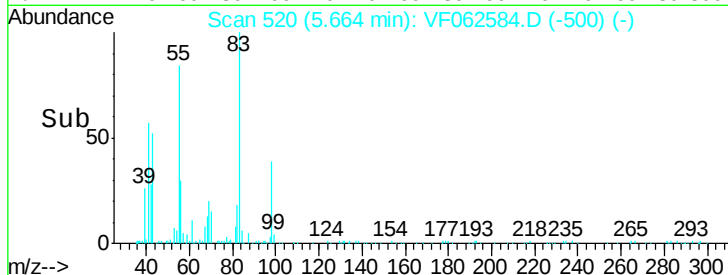
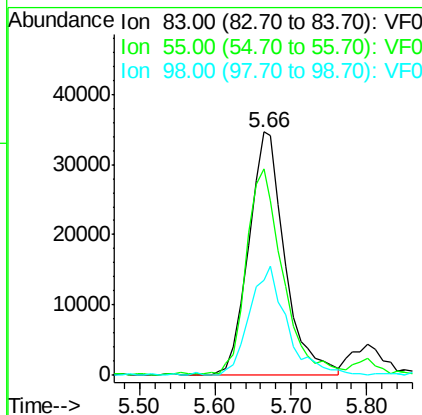
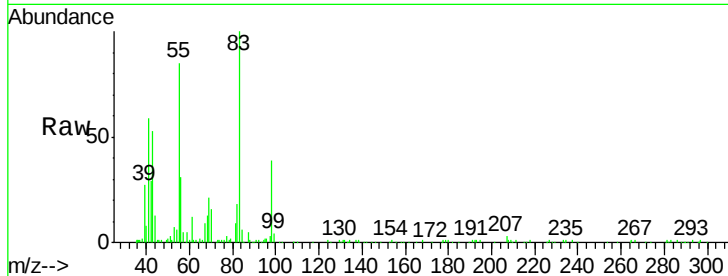




#39
Methvlcvclohexane
Concen: 10.280 ug/l
RT: 5.66 min Scan# 520
Delta R.T. -0.00 min
Lab File: VF062584.D
Acq: 14 May 2019 15:55

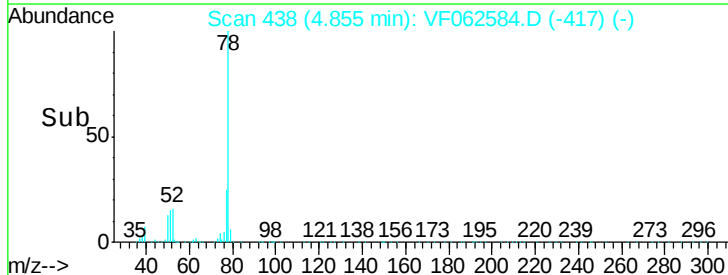
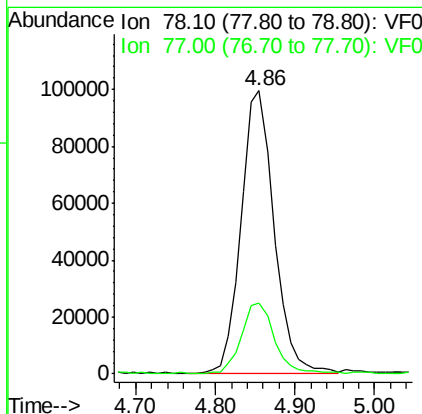
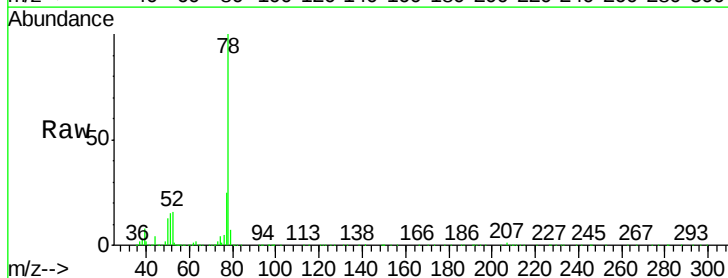
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

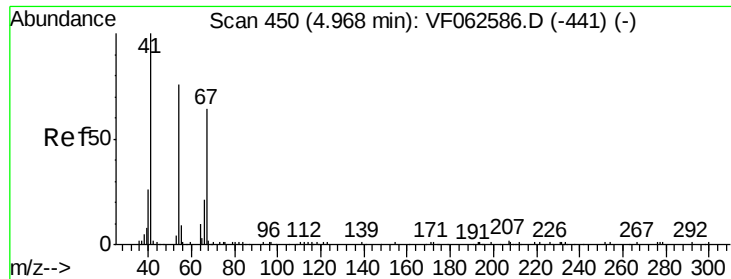
Tot Ion: 83 Resp: 115008
Ion Ratio Lower Upper
83 100
55 85.1 66.6 100.0
98 39.0 38.3 57.5



#40
Benzene
Concen: 11.383 ug/l
RT: 4.86 min Scan# 438
Delta R.T. 0.01 min
Lab File: VF062584.D
Acq: 14 May 2019 15:55

Tgt Ion: 78 Resp: 283786
Ion Ratio Lower Upper
78 100
77 24.8 17.7 26.5





#41

Methacrylonitrile

Concen: 7.540 ug/l

RT: 4.96 min Scan# 449

Delta R.T. -0.00 min

Lab File: VF062584.D

Acq: 14 May 2019 15:55

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 41 Resp: 21749

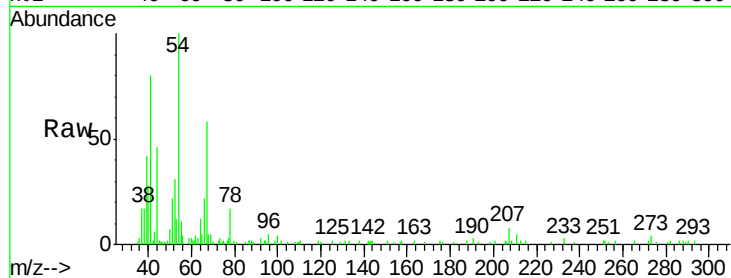
Ion Ratio Lower Upper

41 100

39 52.5 40.8 61.2

67 72.9 50.2 75.2

52 38.9 36.8 55.2

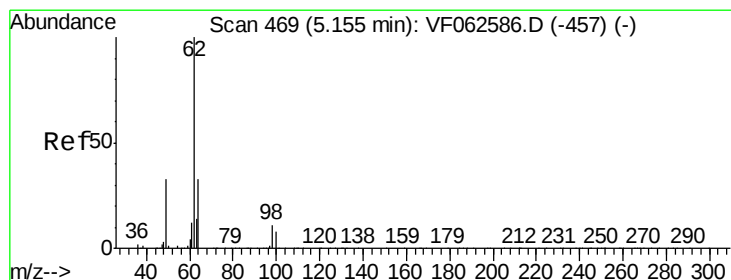
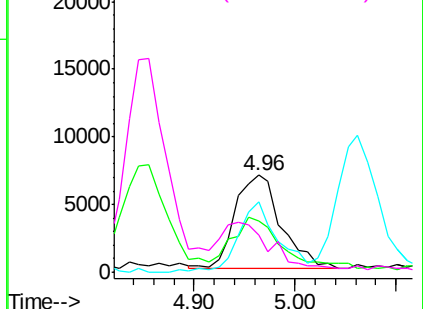
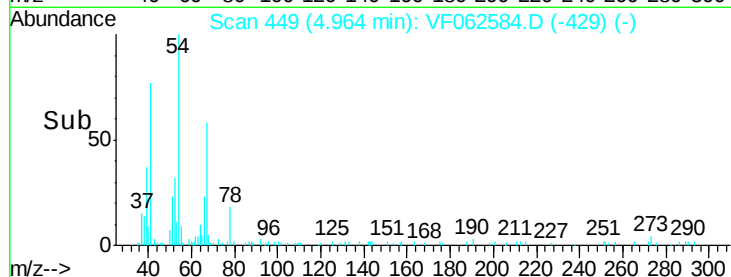


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#42

1,2-Dichloroethane

Concen: 6.798 ug/l

RT: 5.16 min Scan# 469

Delta R.T. 0.01 min

Lab File: VF062584.D

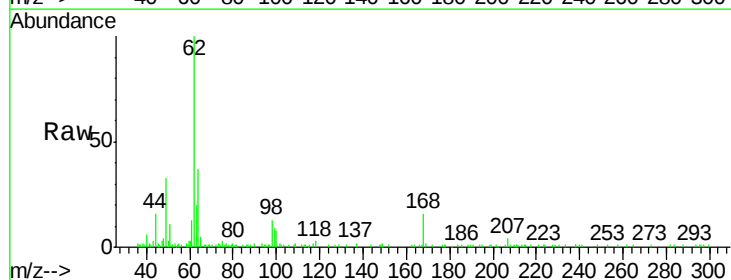
Acq: 14 May 2019 15:55

Tgt Ion: 62 Resp: 59270

Ion Ratio Lower Upper

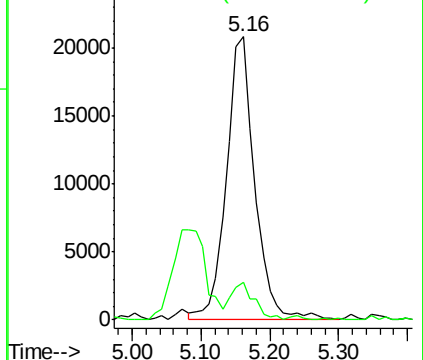
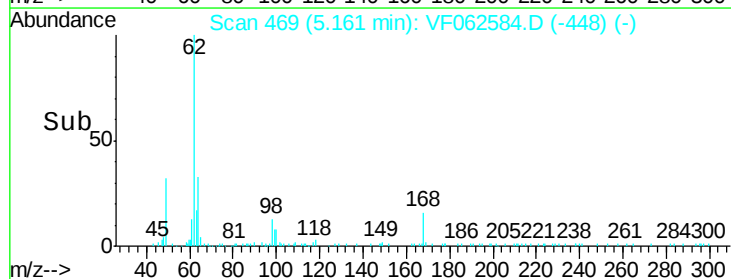
62 100

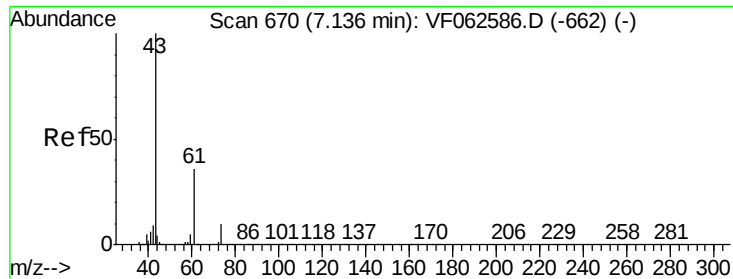
98 13.2 0.0 22.2



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#43

Isopropyl Acetate

Concen: 8.449 ug/l

RT: 7.13 min Scan# 669

Delta R.T. -0.00 min

Lab File: VF062584.D

Acq: 14 May 2019 15:55

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

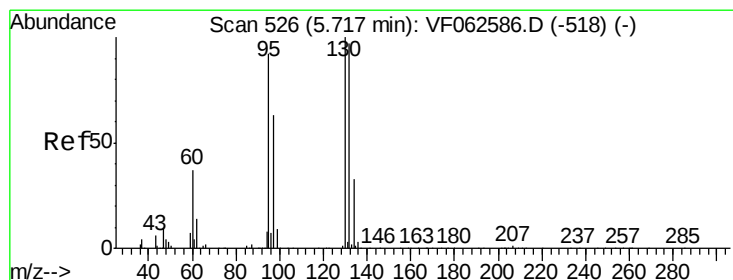
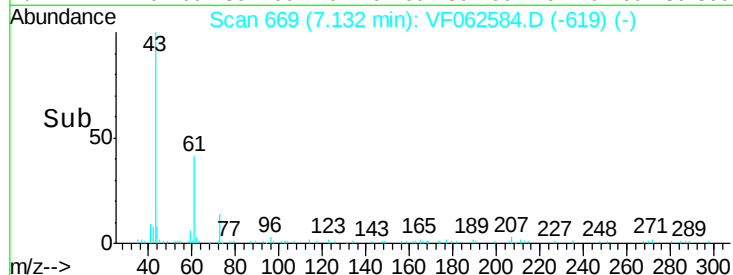
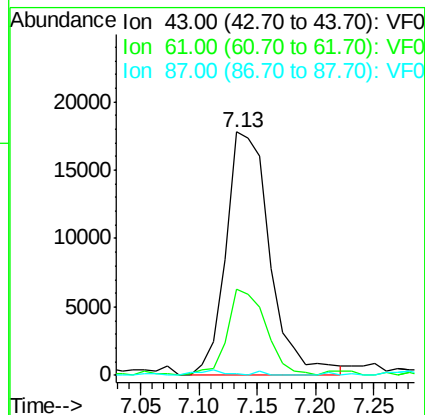
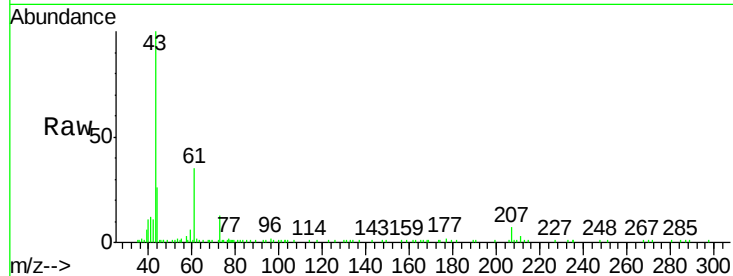
Tot Ion: 43 Resp: 46681

Ion Ratio Lower Upper

43 100

61 35.1 28.5 42.7

87 0.6 0.4 0.6#



#44

Trichloroethene

Concen: 10.350 ug/l

RT: 5.71 min Scan# 525

Delta R.T. -0.00 min

Lab File: VF062584.D

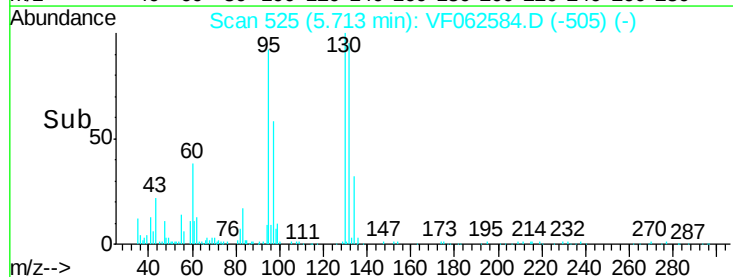
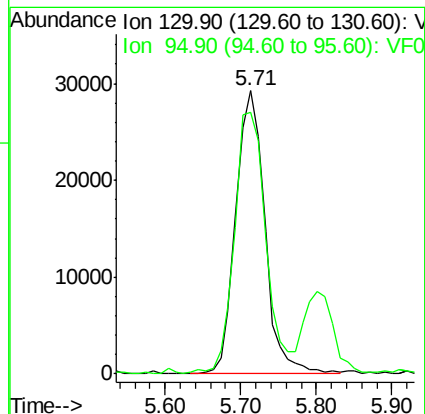
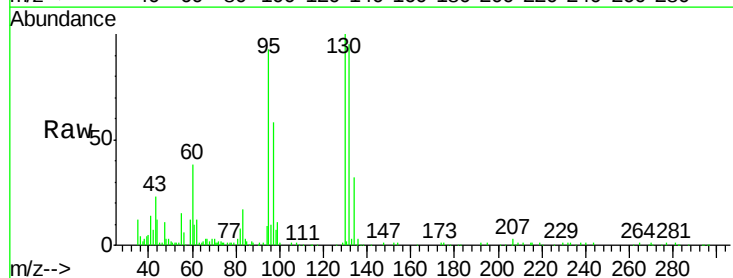
Acq: 14 May 2019 15:55

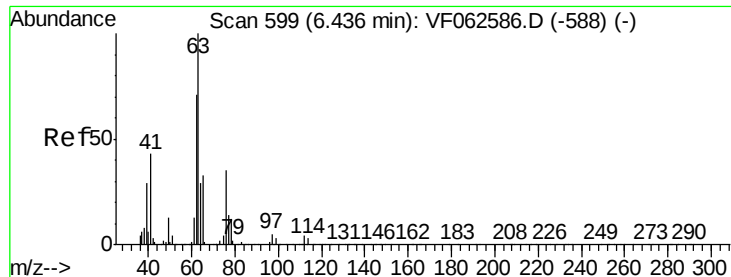
Tgt Ion:130 Resp: 78057

Ion Ratio Lower Upper

130 100

95 92.6 0.0 185.0





#45

1,2-Dichloropropane

Concen: 11.699 ug/l

RT: 6.43 min Scan# 598

Delta R.T. -0.00 min

Lab File: VF062584.D

Acq: 14 May 2019 15:55

Instrument :

MSVOA_F

ClientSampleId :

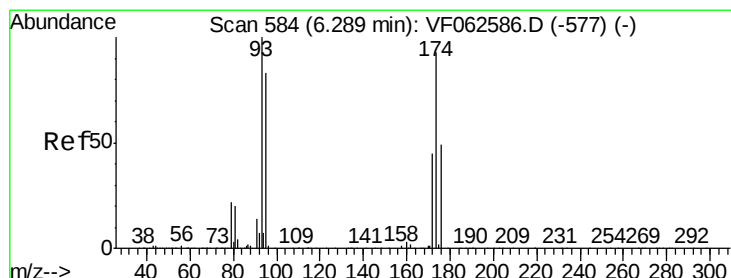
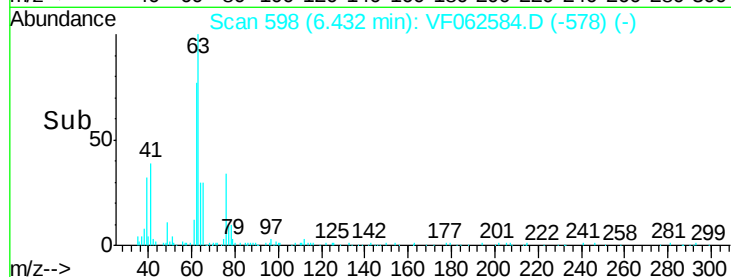
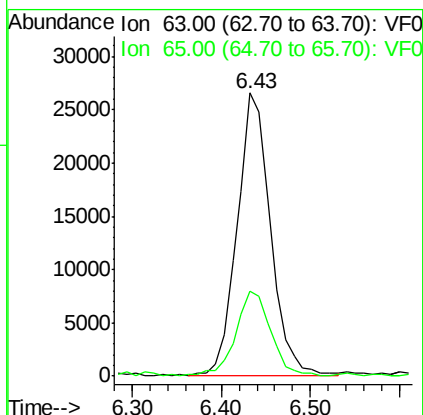
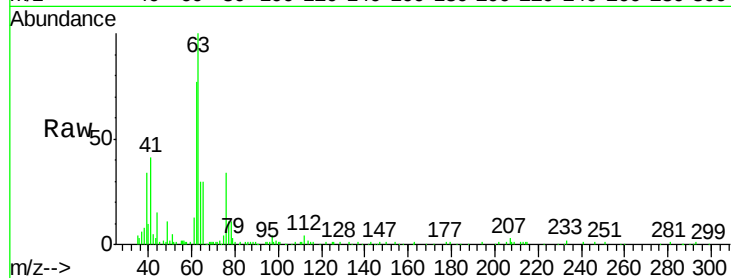
VSTDIC010

Tot Ion: 63 Resp: 69410

Ion Ratio Lower Upper

63 100

65 29.9 26.2 39.4



#46

Dibromomethane

Concen: 9.954 ug/l

RT: 6.28 min Scan# 583

Delta R.T. -0.00 min

Lab File: VF062584.D

Acq: 14 May 2019 15:55

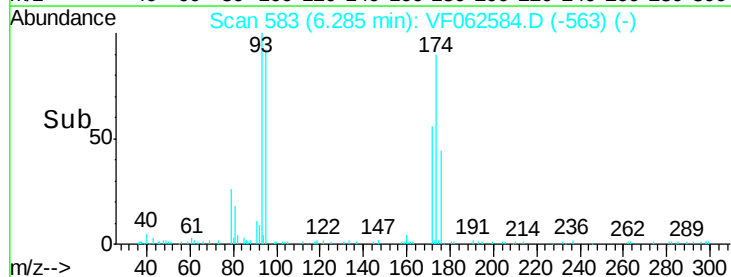
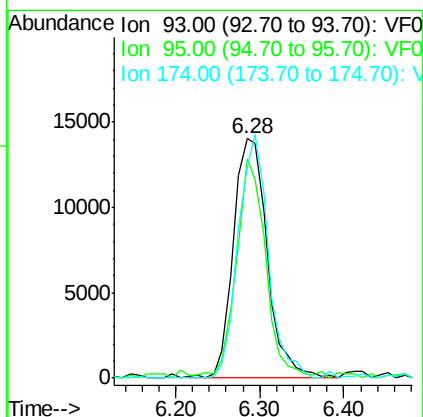
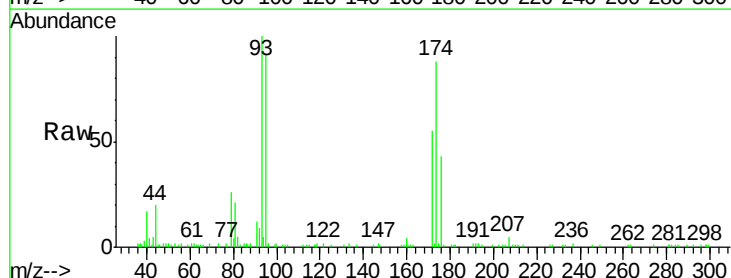
Tgt Ion: 93 Resp: 39338

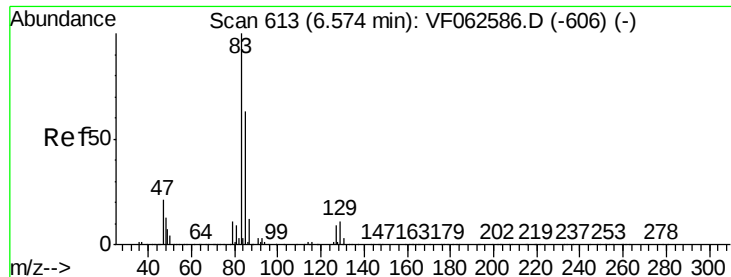
Ion Ratio Lower Upper

93 100

95 91.5 66.9 100.3

174 88.5 74.6 112.0





#47

Bromodichloromethane

Concen: 7.749 ug/l

RT: 6.58 min Scan# 613

Delta R.T. 0.01 min

Lab File: VF062584.D

Acq: 14 May 2019 15:55

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

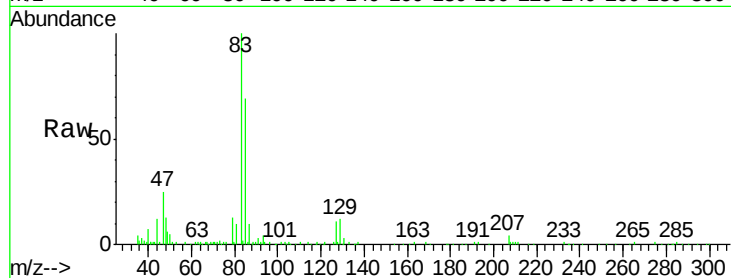
Tot Ion: 83 Resp: 80857

Ion Ratio Lower Upper

83 100

85 69.3 50.3 75.5

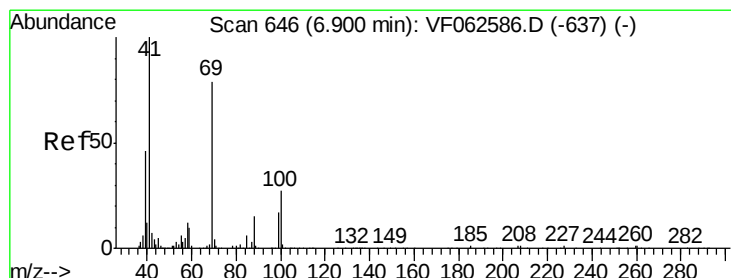
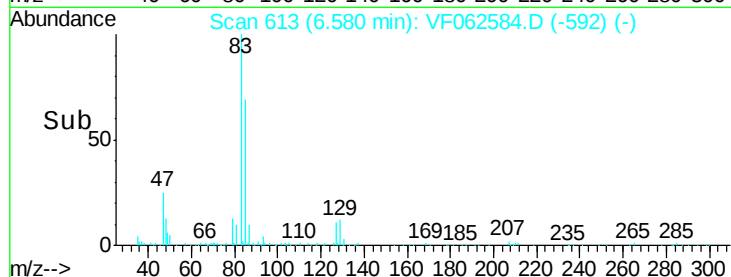
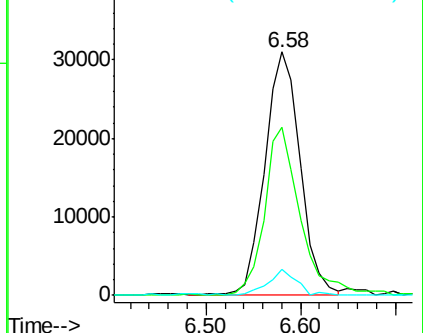
127 10.5 7.2 10.8



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: 6.171 ug/l

RT: 6.91 min Scan# 646

Delta R.T. 0.01 min

Lab File: VF062584.D

Acq: 14 May 2019 15:55

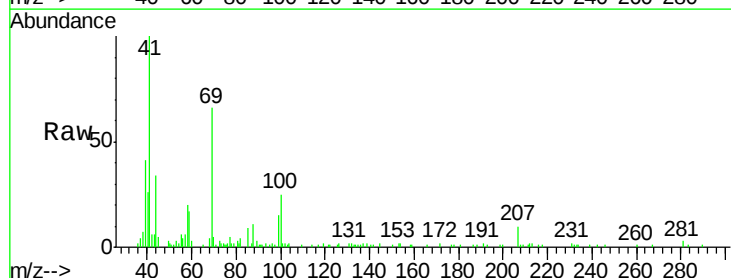
Tgt Ion: 41 Resp: 25319

Ion Ratio Lower Upper

41 100

69 66.4 63.0 94.6

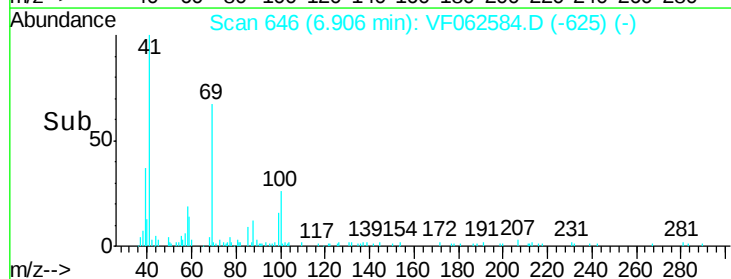
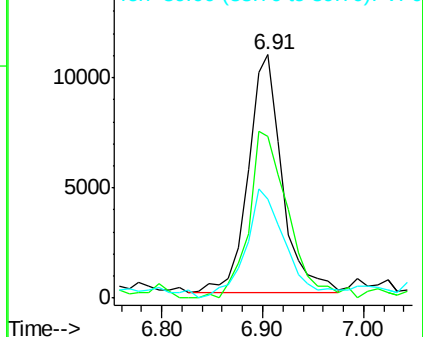
39 40.7 37.6 56.4

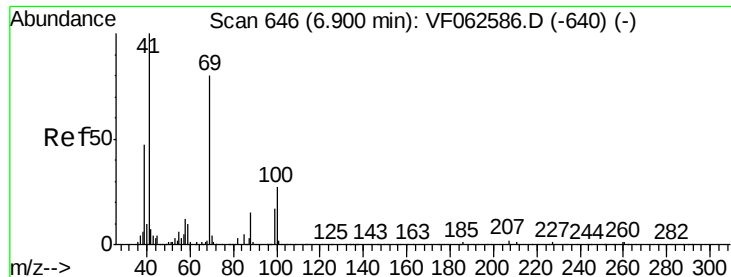


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 268.698 ug/l

RT: 6.89 min Scan# 644

Delta R.T. -0.01 min

Lab File: VF062584.D

Acq: 14 May 2019 15:55

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

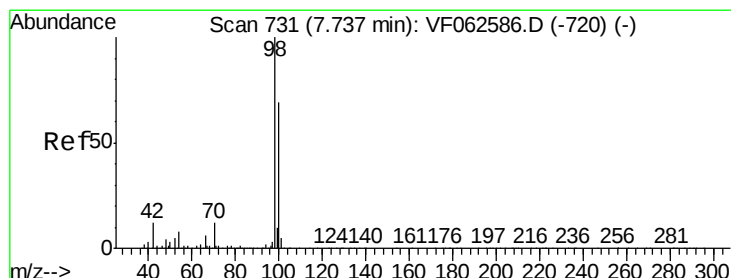
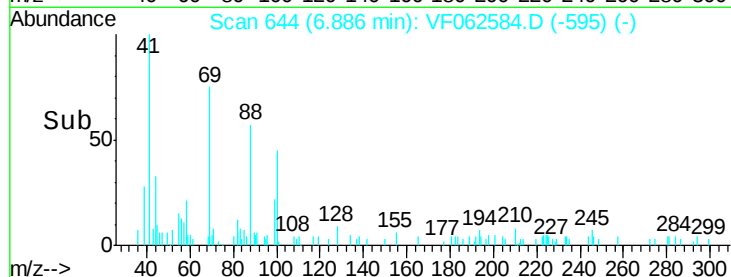
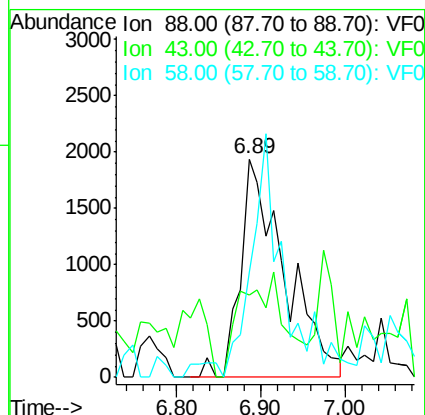
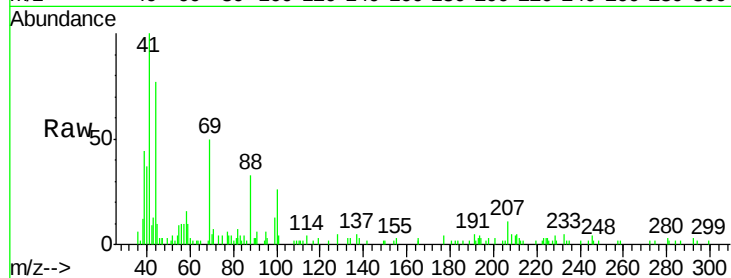
Tot Ion: 88 Resp: 7173

Ion Ratio Lower Upper

88 100

43 37.8 28.8 43.2

58 48.1 60.6 90.8#



#50

Toluene-d8

Concen: 8.181 ug/l

RT: 7.73 min Scan# 730

Delta R.T. -0.00 min

Lab File: VF062584.D

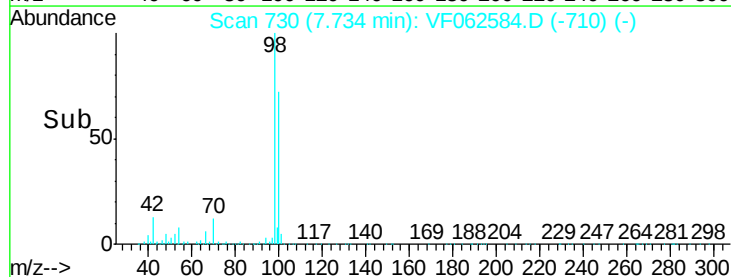
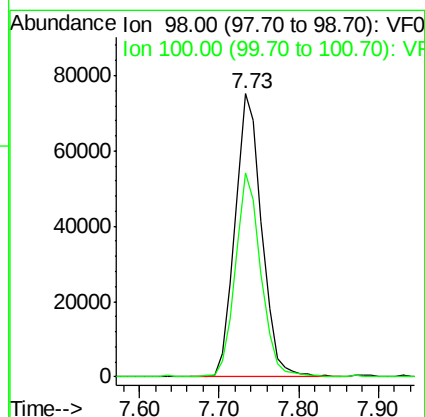
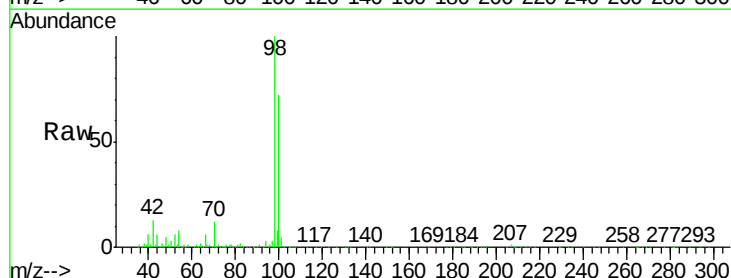
Acq: 14 May 2019 15:55

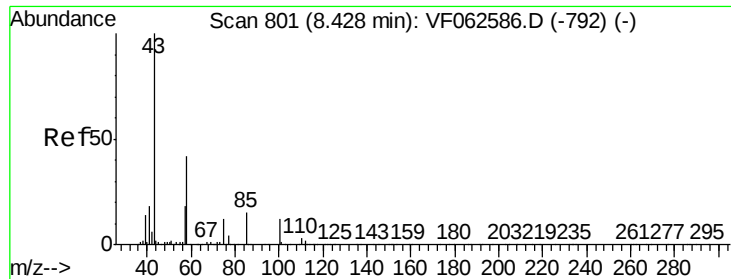
Tgt Ion: 98 Resp: 175377

Ion Ratio Lower Upper

98 100

100 71.9 55.4 83.0





#51

4-Methyl-2-Pentanone

Concen: 41.786 ug/l

RT: 8.42 min Scan# 800

Delta R.T. -0.00 min

Lab File: VF062584.D

Acq: 14 May 2019 15:55

Instrument :

MSVOA_F

ClientSampleId :

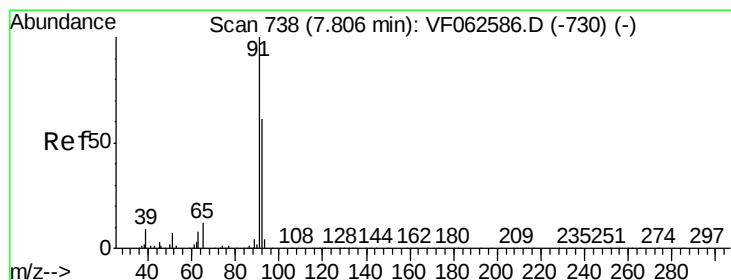
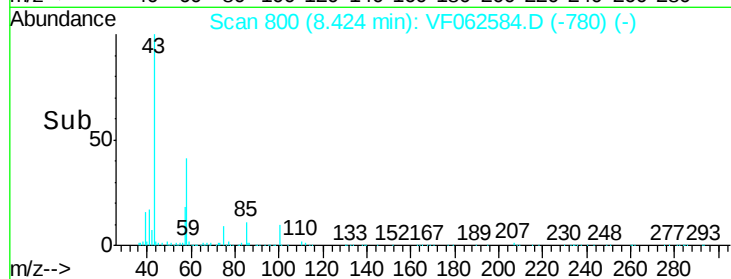
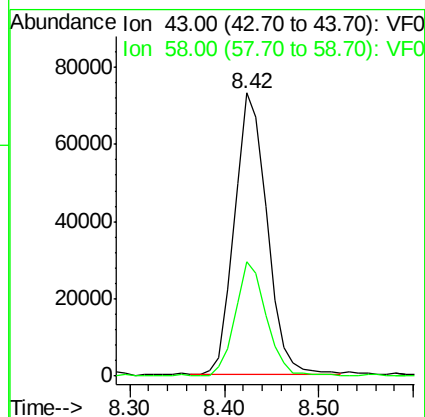
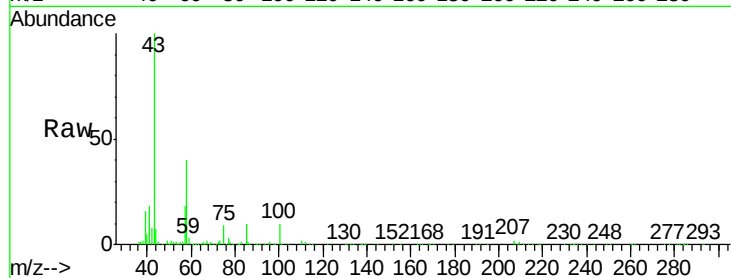
VSTDIC010

Tot Ion: 43 Resp: 174116

Ion Ratio Lower Upper

43 100

58 40.4 33.6 50.4



#52

Toluene

Concen: 8.817 ug/l

RT: 7.80 min Scan# 737

Delta R.T. -0.00 min

Lab File: VF062584.D

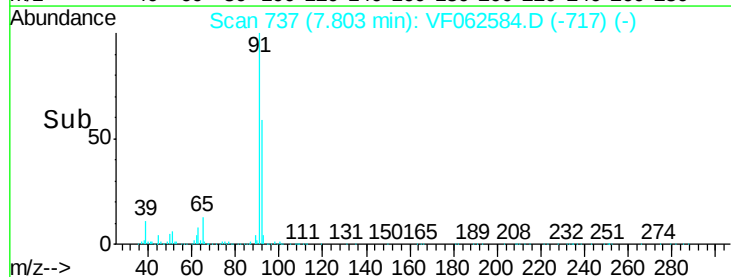
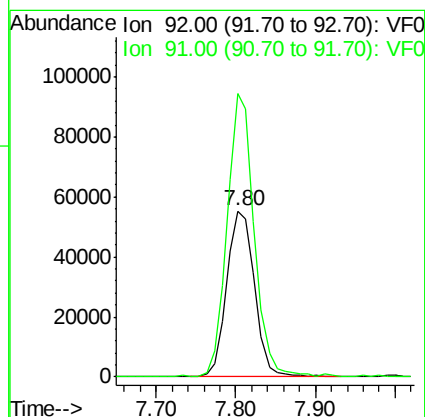
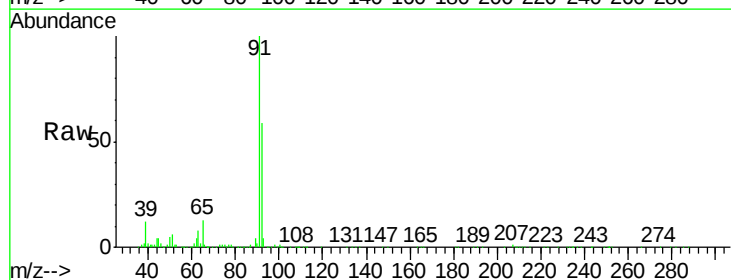
Acq: 14 May 2019 15:55

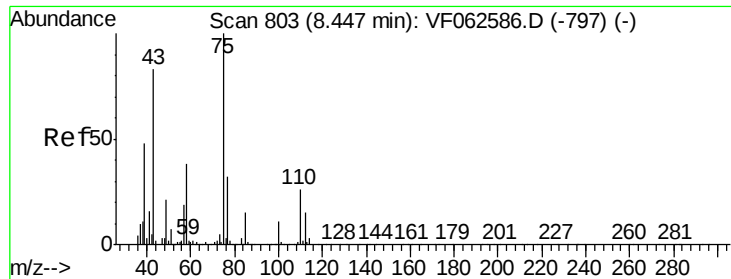
Tgt Ion: 92 Resp: 136366

Ion Ratio Lower Upper

92 100

91 170.9 131.0 196.4

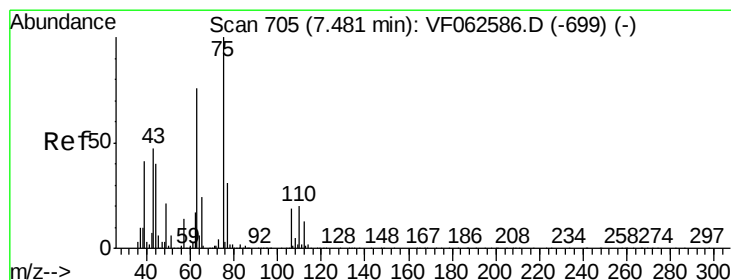
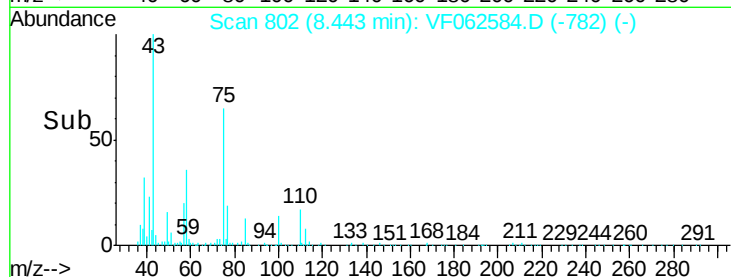
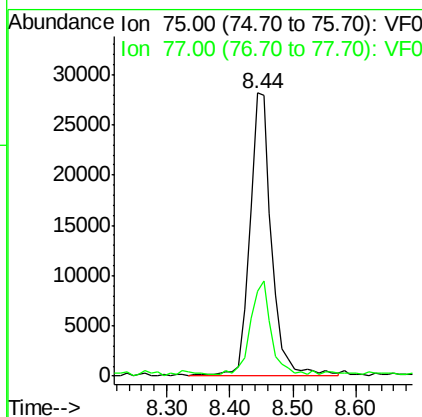
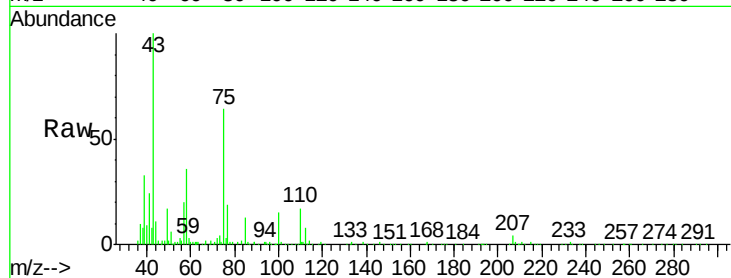




#53
 t-1,3-Dichloropropene
 Concen: 8.097 ug/l
 RT: 8.44 min Scan# 802
 Delta R.T. -0.00 min
 Lab File: VF062584.D
 Acq: 14 May 2019 15:55

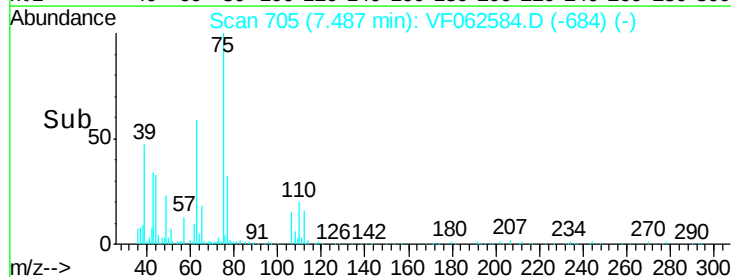
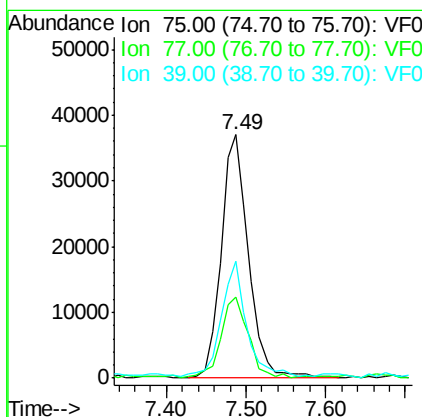
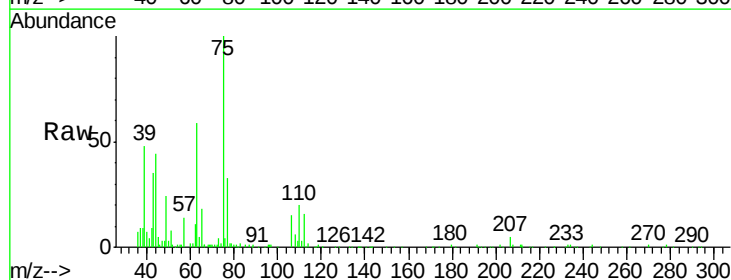
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

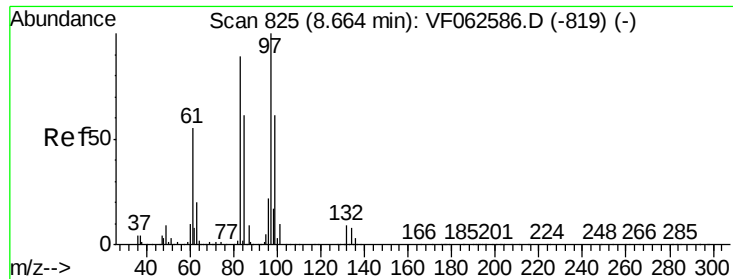
Tot Ion: 75 Resp: 67813
 Ion Ratio Lower Upper
 75 100
 77 29.8 25.7 38.5



#54
 cis-1,3-Dichloropropene
 Concen: 8.572 ug/l
 RT: 7.49 min Scan# 705
 Delta R.T. 0.01 min
 Lab File: VF062584.D
 Acq: 14 May 2019 15:55

Tgt Ion: 75 Resp: 89107
 Ion Ratio Lower Upper
 75 100
 77 33.3 25.0 37.6
 39 47.9 32.8 49.2

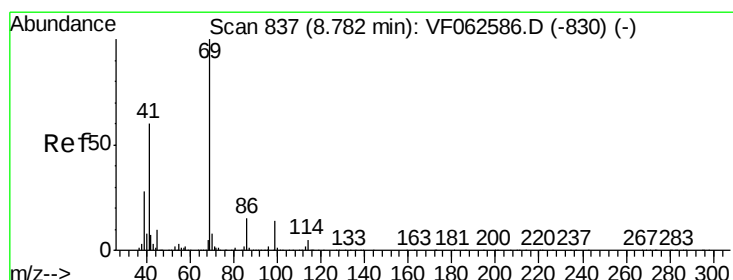
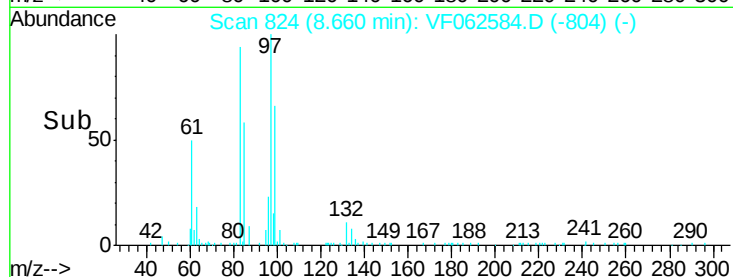
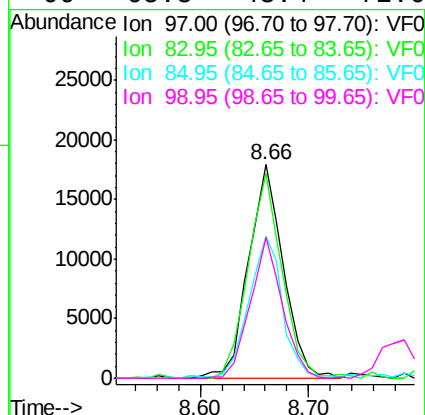
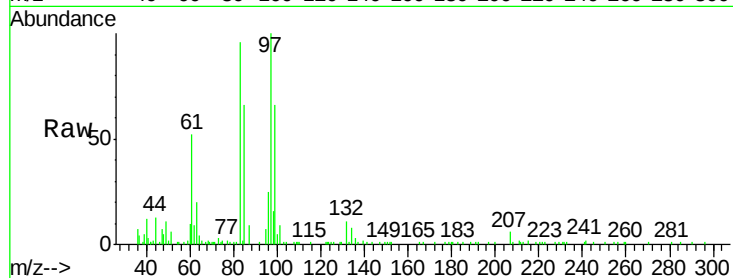




#55
 1,1,2-Trichloroethane
 Concen: 9.236 ug/l
 RT: 8.66 min Scan# 824
 Delta R.T. -0.00 min
 Lab File: VF062584.D
 Acq: 14 May 2019 15:55

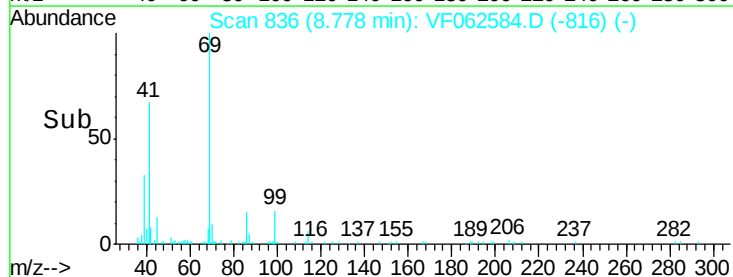
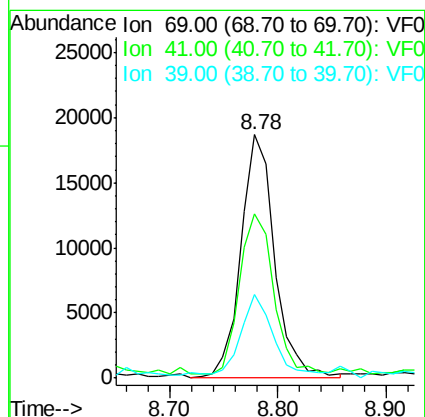
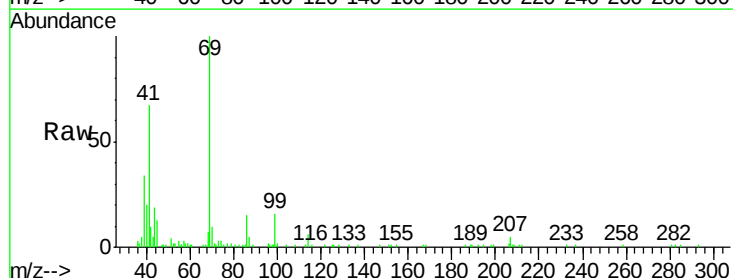
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

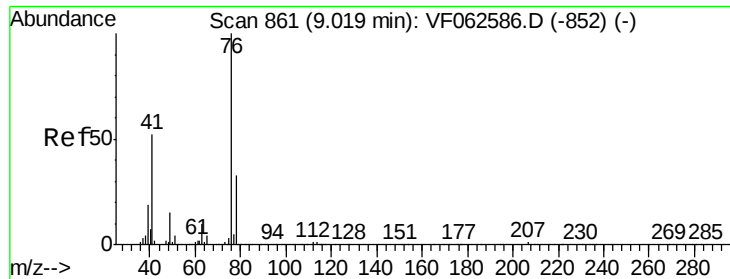
Tot Ion:	97	Resp:	39962
Ion	Ratio	Lower	Upper
97	100		
83	96.0	71.3	106.9
85	66.3	48.9	73.3
99	65.8	48.4	72.6



#56
 Ethyl methacrylate
 Concen: 7.194 ug/l
 RT: 8.78 min Scan# 836
 Delta R.T. -0.00 min
 Lab File: VF062584.D
 Acq: 14 May 2019 15:55

Tgt Ion:	69	Resp:	40799
Ion	Ratio	Lower	Upper
69	100		
41	67.5	48.1	72.1
39	34.3	22.5	33.7#





#57

1,3-Dichloropropane

Concen: 8.844 ug/l

RT: 9.02 min Scan# 861

Delta R.T. 0.01 min

Lab File: VF062584.D

Acq: 14 May 2019 15:55

Instrument :

MSVOA_F

ClientSampleId :

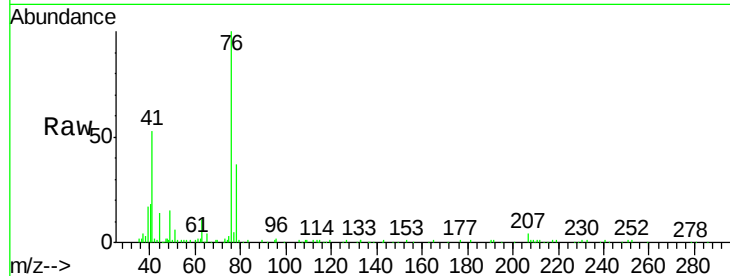
VSTDIC010

Tot Ion: 76 Resp: 64441

Ion Ratio Lower Upper

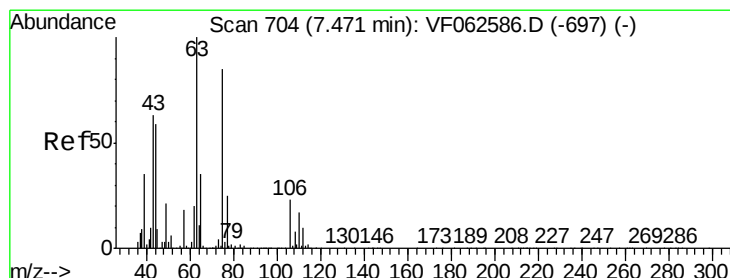
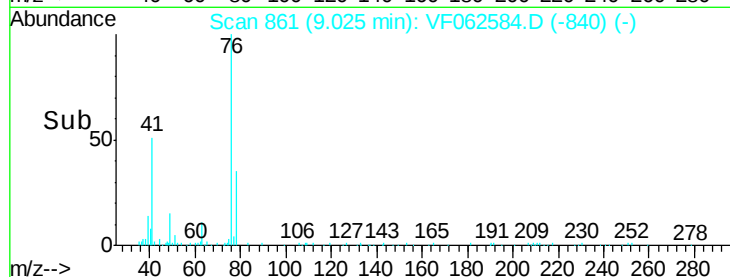
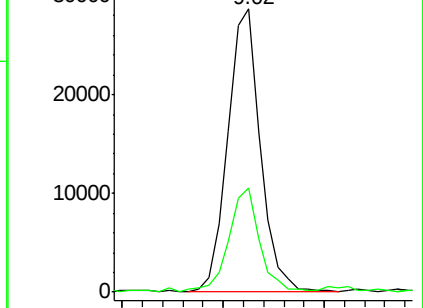
76 100

78 36.7 26.4 39.6



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 74.874 ug/l

RT: 7.48 min Scan# 704

Delta R.T. 0.01 min

Lab File: VF062584.D

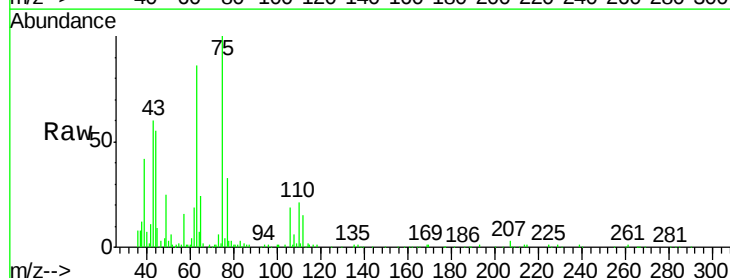
Acq: 14 May 2019 15:55

Tgt Ion: 63 Resp: 67151

Ion Ratio Lower Upper

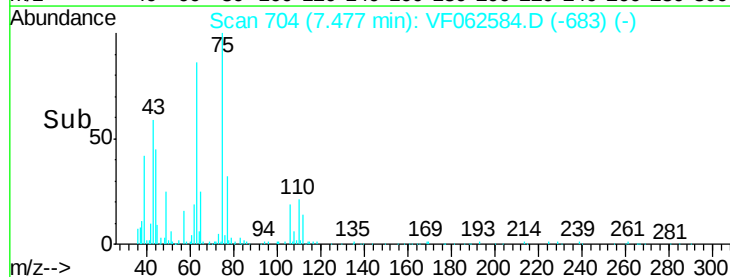
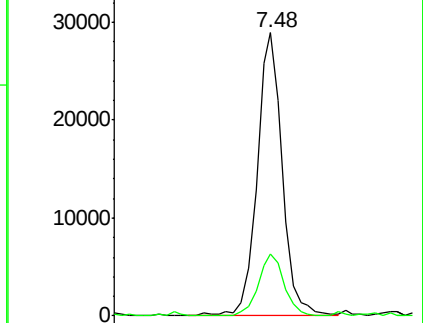
63 100

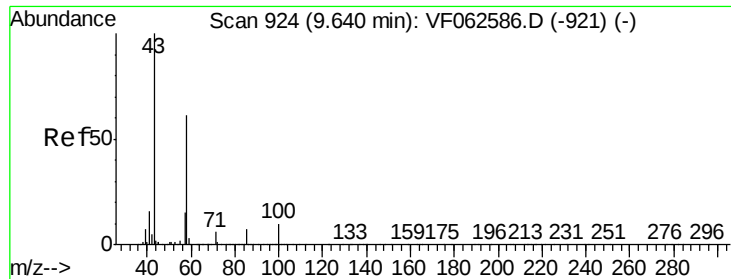
106 21.9 18.0 27.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

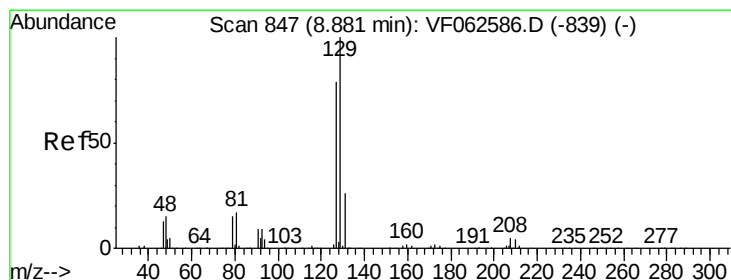
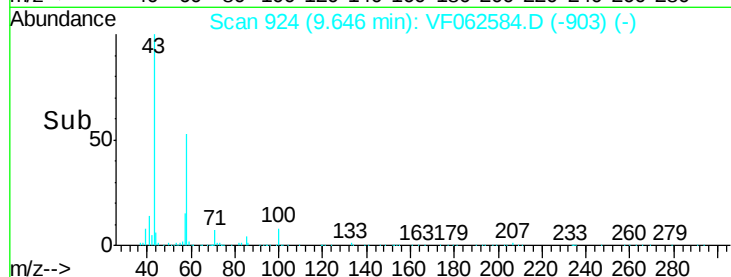
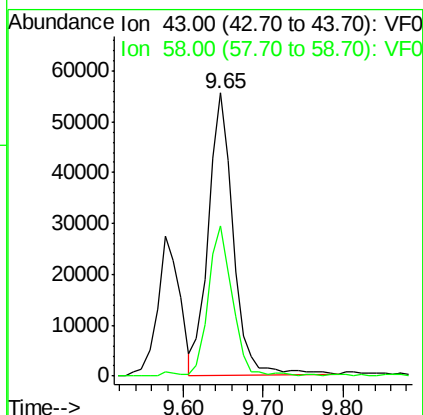
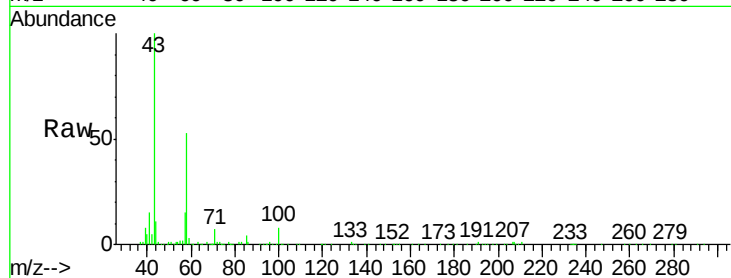




#59
2-Hexanone
Concen: 41.396 ug/l
RT: 9.65 min Scan# 924
Delta R.T. 0.01 min
Lab File: VF062584.D
Acq: 14 May 2019 15:55

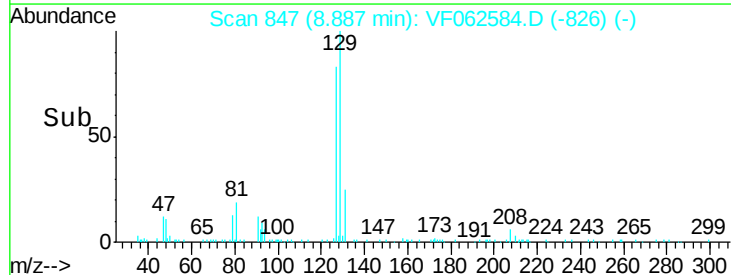
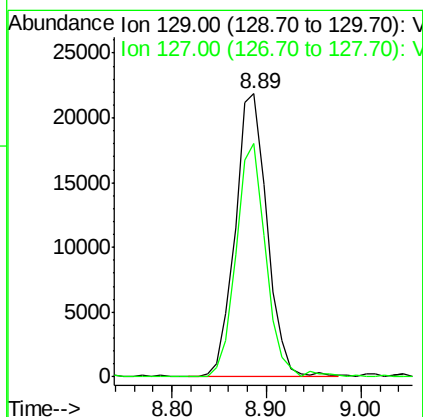
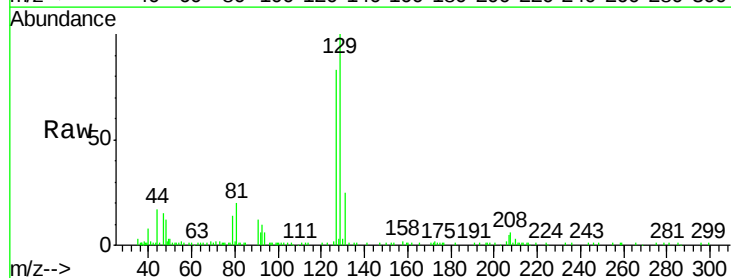
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

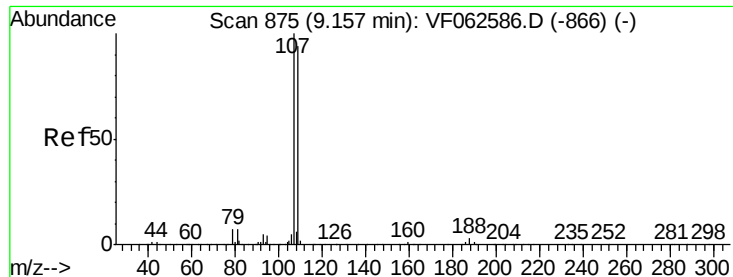
Tot Ion: 43 Resp: 121468
Ion Ratio Lower Upper
43 100
58 53.0 28.7 86.3



#60
Dibromochloromethane
Concen: 8.299 ug/l
RT: 8.89 min Scan# 847
Delta R.T. 0.01 min
Lab File: VF062584.D
Acq: 14 May 2019 15:55

Tgt Ion: 129 Resp: 51138
Ion Ratio Lower Upper
129 100
127 82.7 39.3 117.9





#61

1,2-Dibromoethane

Concen: 8.854 ug/l

RT: 9.15 min Scan# 874

Delta R.T. -0.00 min

Lab File: VF062584.D

Acq: 14 May 2019 15:55

Instrument :

MSVOA_F

ClientSampleId :

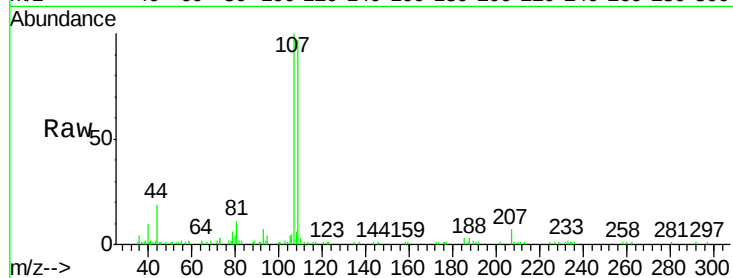
VSTDIC010

Tot Ion:107 Resp: 40289

Ion Ratio Lower Upper

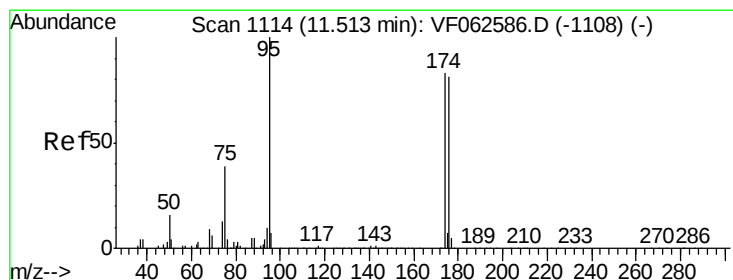
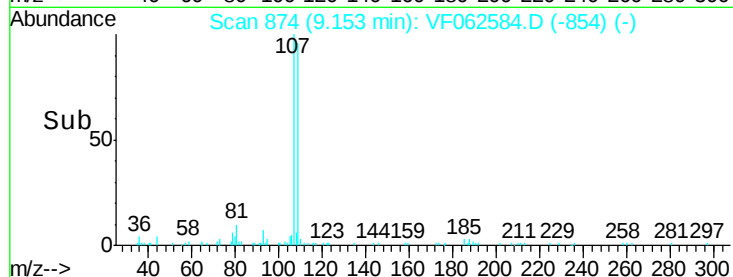
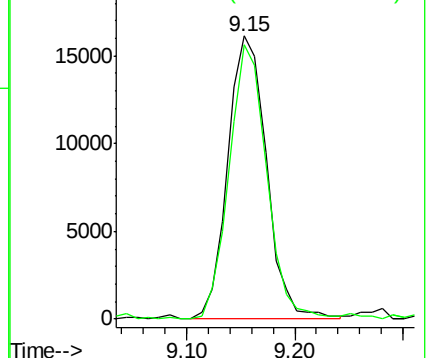
107 100

109 96.9 74.9 112.3



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 6.617 ug/l

RT: 11.51 min Scan# 1113

Delta R.T. -0.00 min

Lab File: VF062584.D

Acq: 14 May 2019 15:55

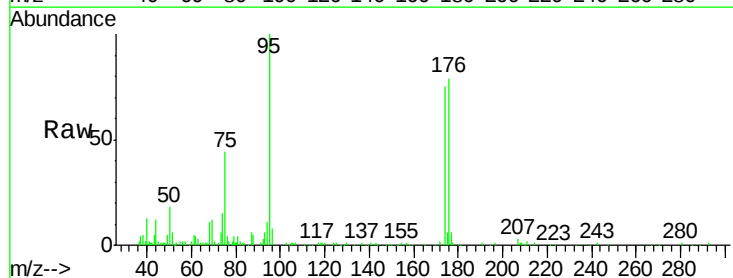
Tgt Ion: 95 Resp: 56669

Ion Ratio Lower Upper

95 100

174 75.3 0.0 166.6

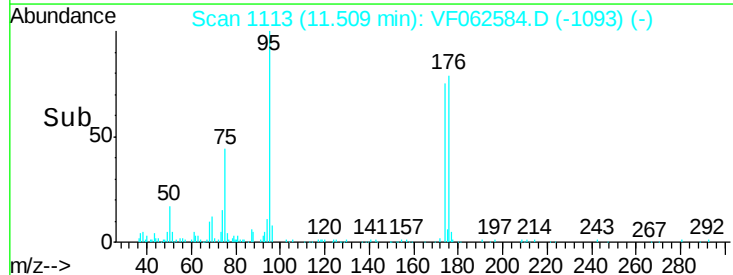
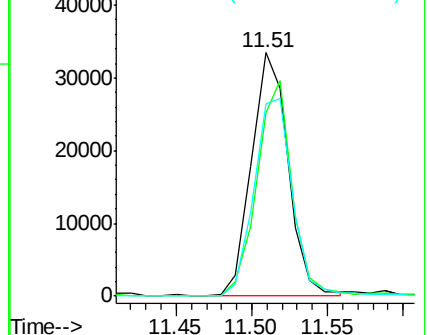
176 79.0 0.0 161.8

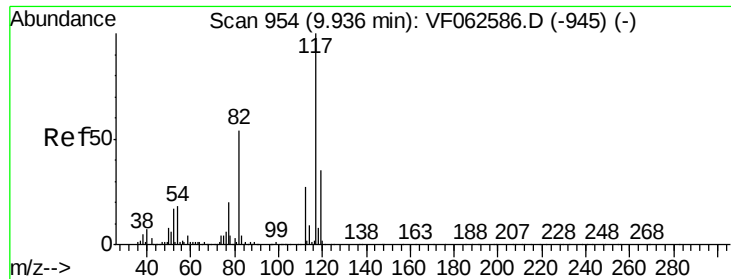


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

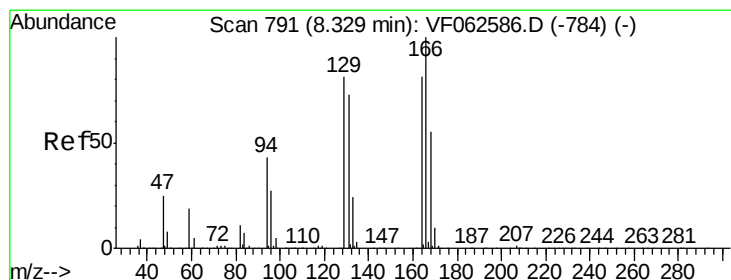
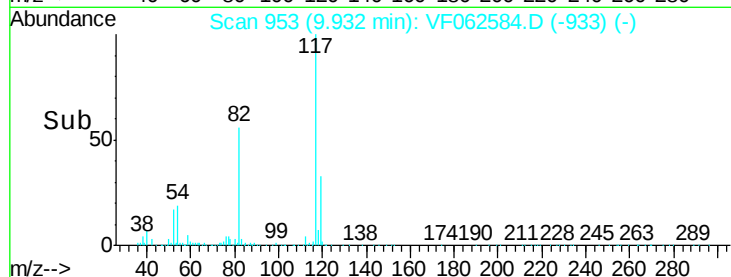
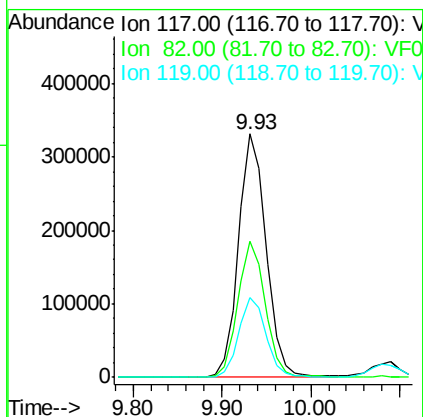
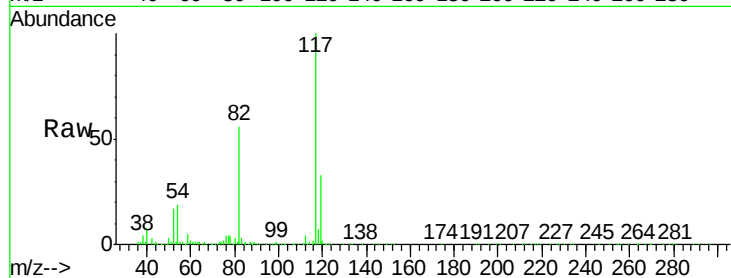




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.93 min Scan# 953
Delta R.T. -0.00 min
Lab File: VF062584.D
Acq: 14 May 2019 15:55

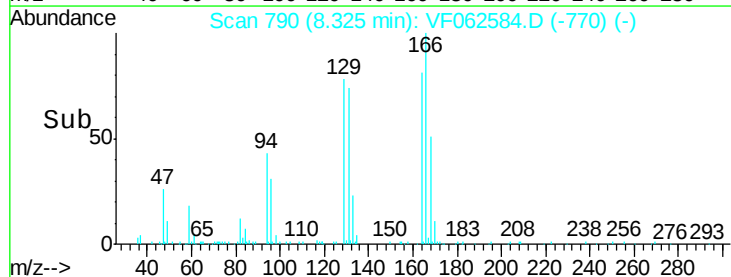
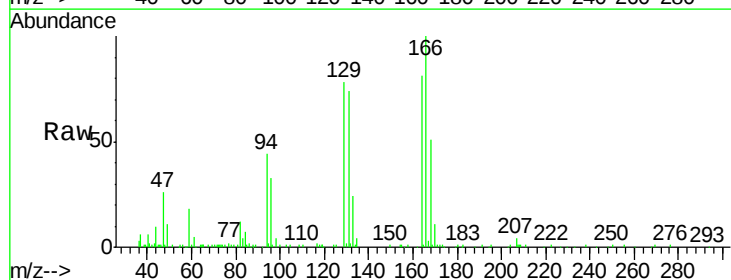
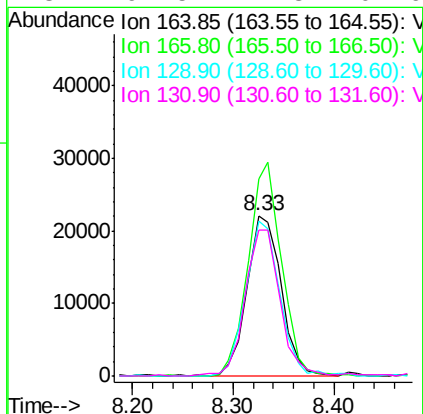
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

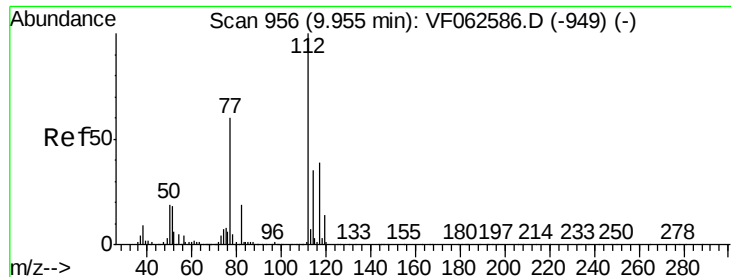
Tot Ion	Ratio	Lower	Upper
117	100		
82	56.0	43.4	65.0
119	32.7	27.7	41.5



#64
Tetrachloroethene
Concen: 10.024 ug/l
RT: 8.33 min Scan# 790
Delta R.T. -0.00 min
Lab File: VF062584.D
Acq: 14 May 2019 15:55

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.1	98.6	148.0
129	96.4	80.2	120.4
131	91.5	71.8	107.6

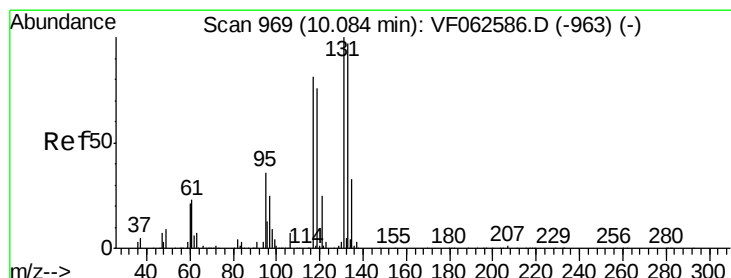
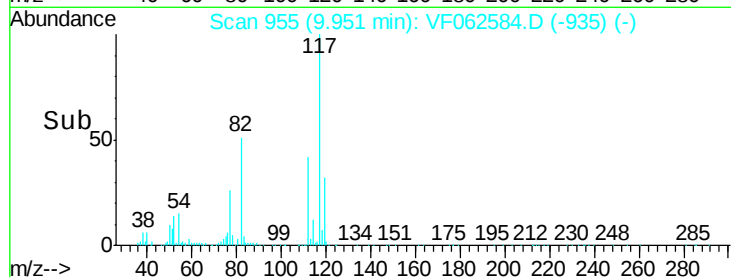
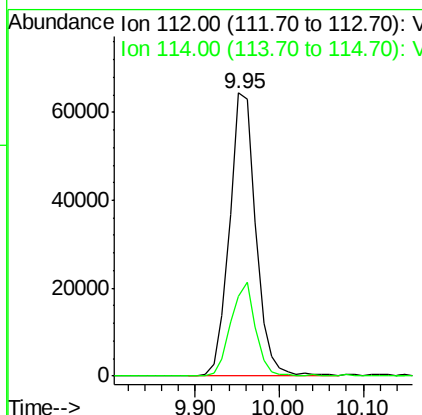
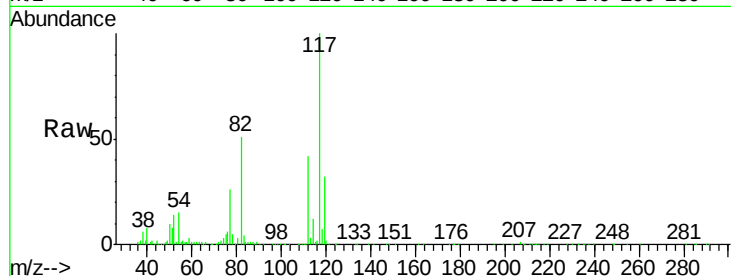




#65
Chlorobenzene
Concen: 10.210 ug/l
RT: 9.95 min Scan# 955
Delta R.T. -0.00 min
Lab File: VF062584.D
Acq: 14 May 2019 15:55

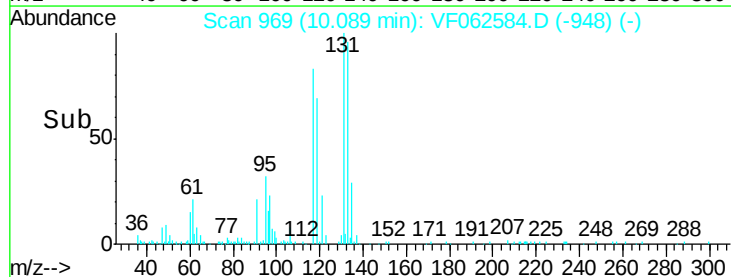
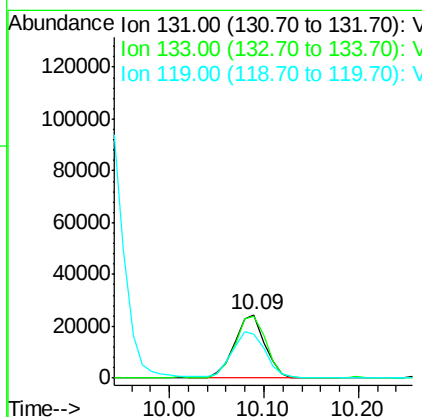
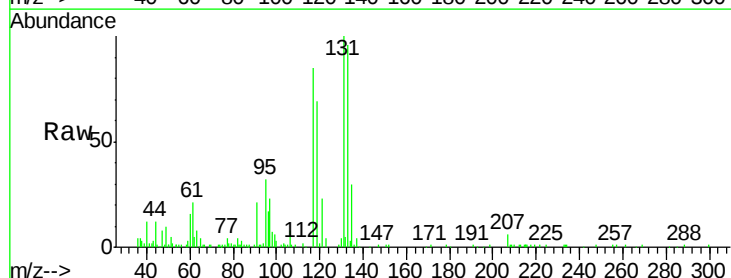
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

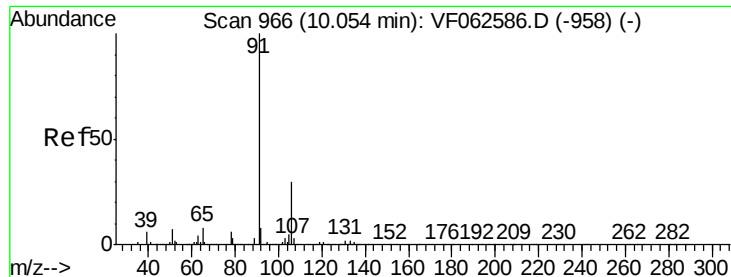
Tot Ion:112 Resp: 140667
Ion Ratio Lower Upper
112 100
114 28.1 27.9 41.9



#66
1,1,1,2-Tetrachloroethane
Concen: 9.202 ug/l
RT: 10.09 min Scan# 969
Delta R.T. 0.01 min
Lab File: VF062584.D
Acq: 14 May 2019 15:55

Tgt Ion:131 Resp: 54717
Ion Ratio Lower Upper
131 100
133 96.4 48.4 145.3
119 68.7 38.5 115.5





#67

Ethyl Benzene

Concen: 8.977 ug/l

RT: 10.05 min Scan# 965

Delta R.T. -0.00 min

Lab File: VF062584.D

Acq: 14 May 2019 15:55

Instrument :

MSVOA_F

ClientSampleId :

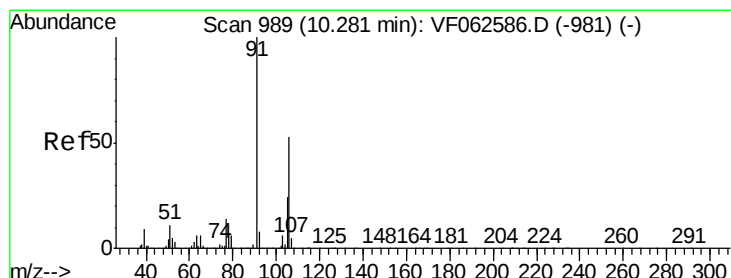
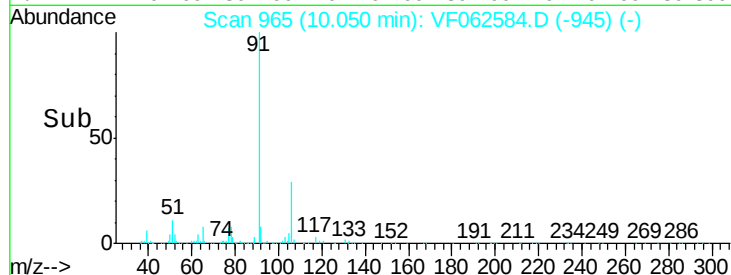
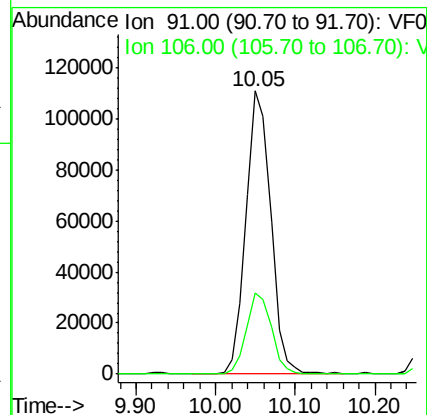
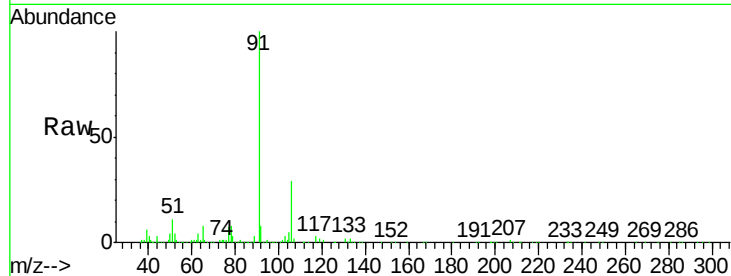
VSTDIC010

Tot Ion: 91 Resp: 239067

Ion Ratio Lower Upper

91 100

106 28.8 24.2 36.4



#68

m/p-Xylenes

Concen: 17.529 ug/l

RT: 10.28 min Scan# 988

Delta R.T. -0.00 min

Lab File: VF062584.D

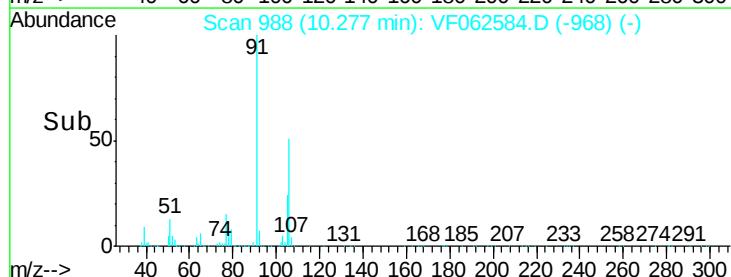
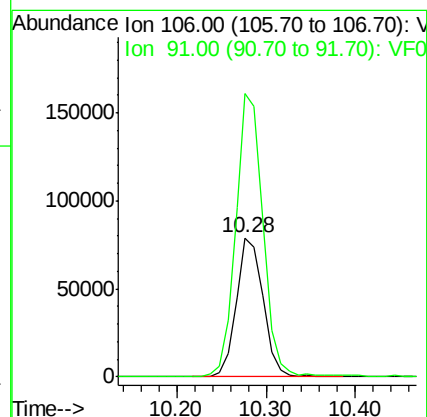
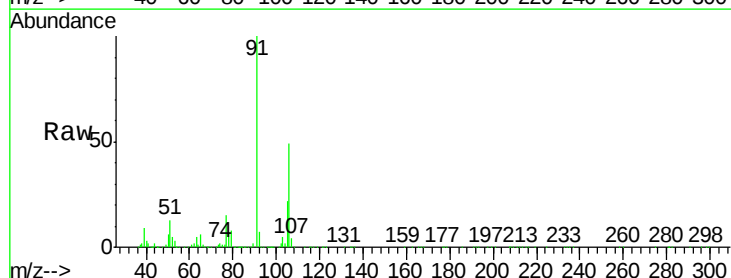
Acq: 14 May 2019 15:55

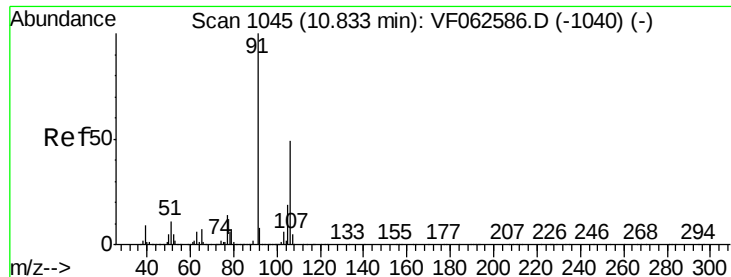
Tgt Ion: 106 Resp: 167266

Ion Ratio Lower Upper

106 100

91 204.0 150.5 225.7

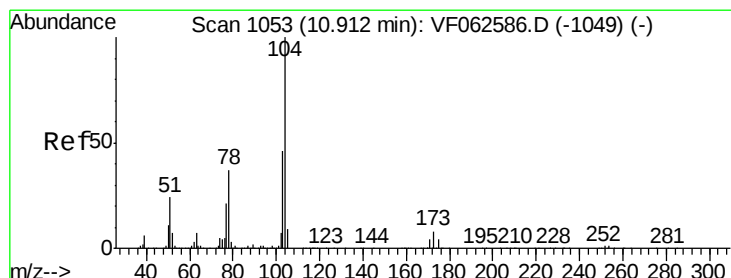
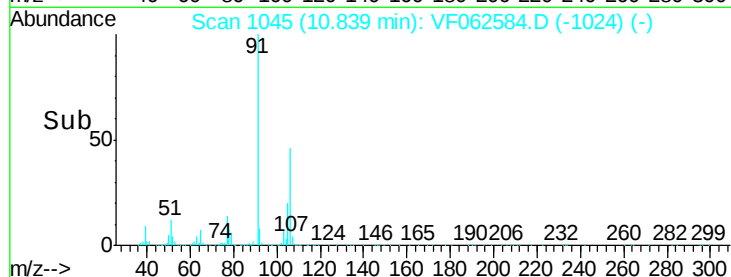
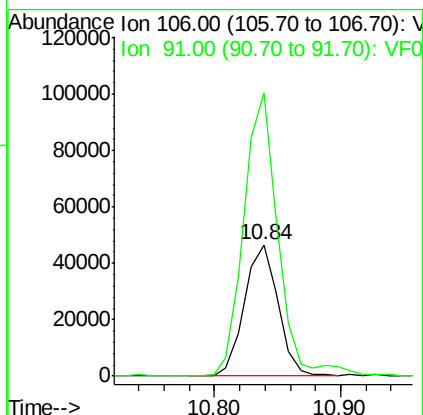
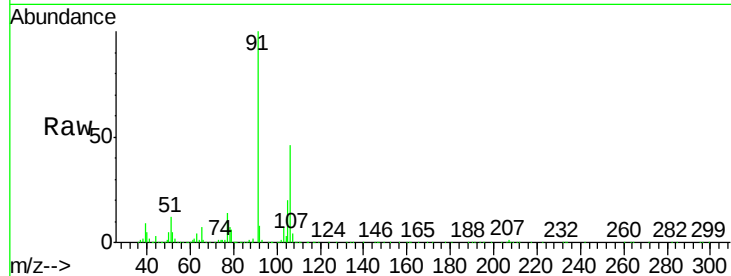




#69
o-Xylene
Concen: 9.033 ug/l
RT: 10.84 min Scan# 1045
Delta R.T. 0.01 min
Lab File: VF062584.D
Acq: 14 May 2019 15:55

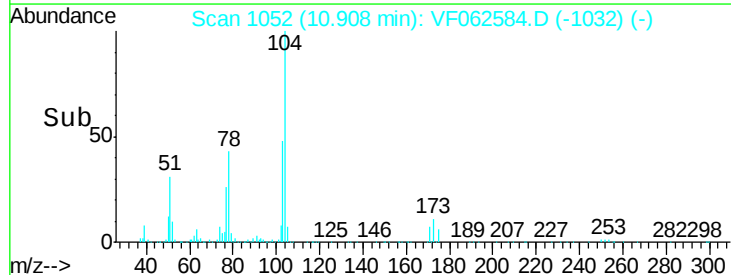
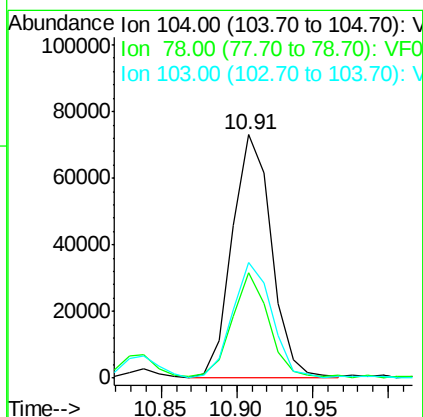
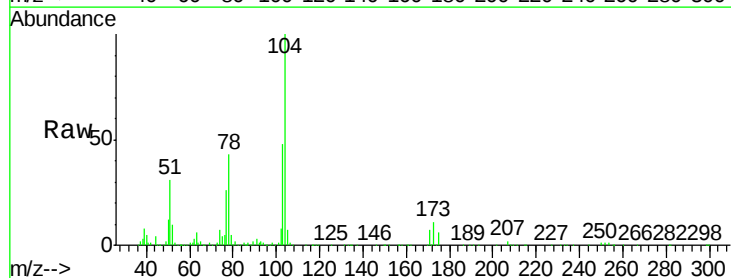
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

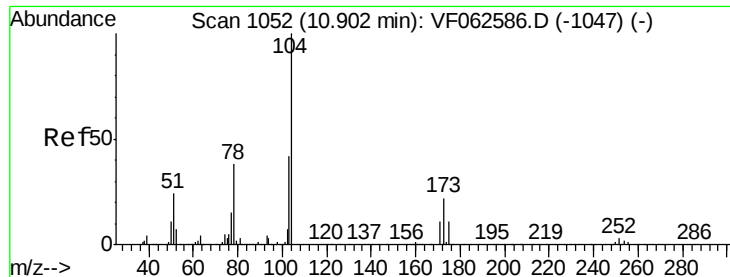
Tot Ion:106 Resp: 86704
Ion Ratio Lower Upper
106 100
91 215.4 102.0 305.9



#70
Styrene
Concen: 8.983 ug/l
RT: 10.91 min Scan# 1052
Delta R.T. -0.00 min
Lab File: VF062584.D
Acq: 14 May 2019 15:55

Tgt Ion:104 Resp: 131934
Ion Ratio Lower Upper
104 100
78 43.1 30.2 45.2
103 47.7 37.0 55.6





#71

Bromoform

Concen: 8.058 ug/l

RT: 10.90 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VF062584.D

Acq: 14 May 2019 15:55

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

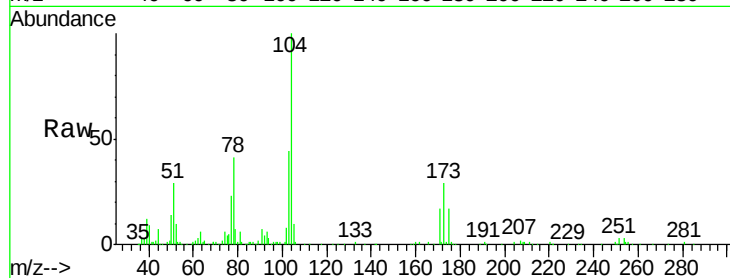
Tot Ion:173 Resp: 24477

Ion Ratio Lower Upper

173 100

175 59.1 24.1 72.3

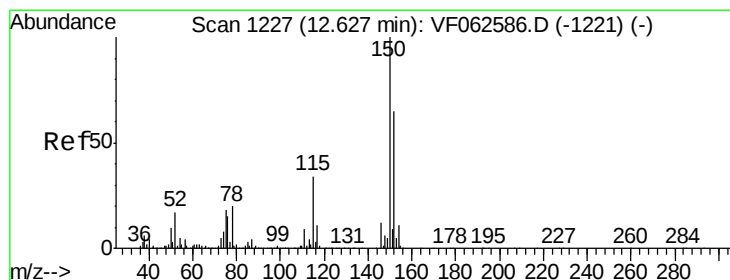
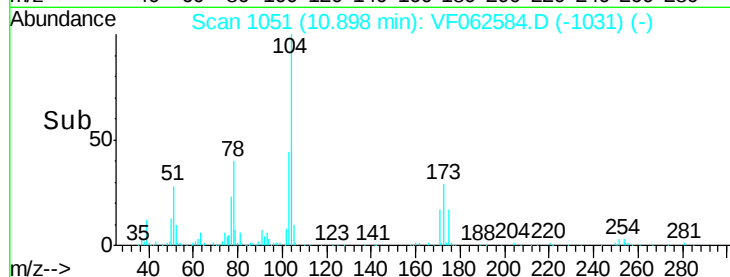
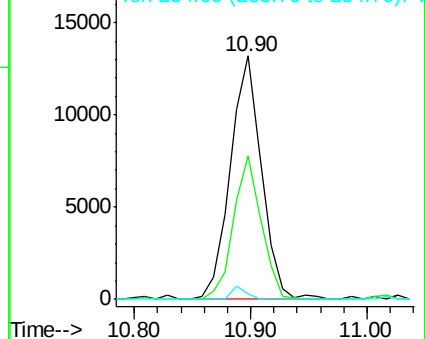
254 2.0 0.0 0.0#



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: 12.62 min Scan# 1226

Delta R.T. -0.00 min

Lab File: VF062584.D

Acq: 14 May 2019 15:55

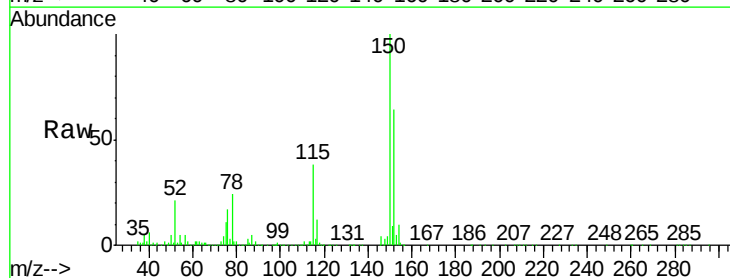
Tgt Ion:152 Resp: 346667

Ion Ratio Lower Upper

152 100

115 58.4 26.2 78.6

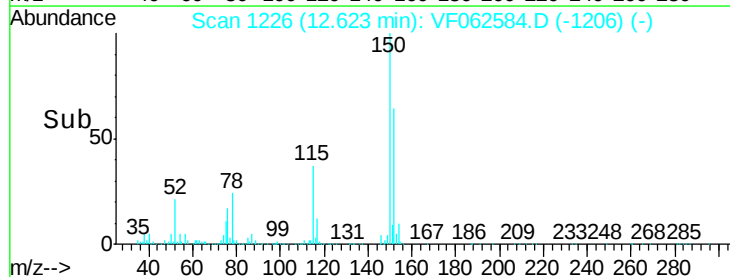
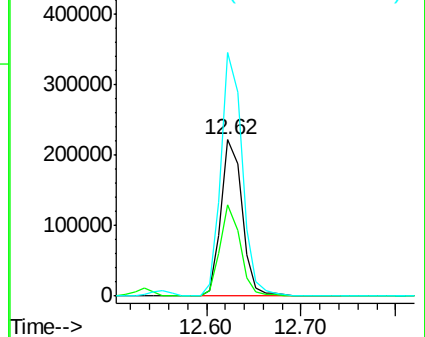
150 155.7 0.0 316.0

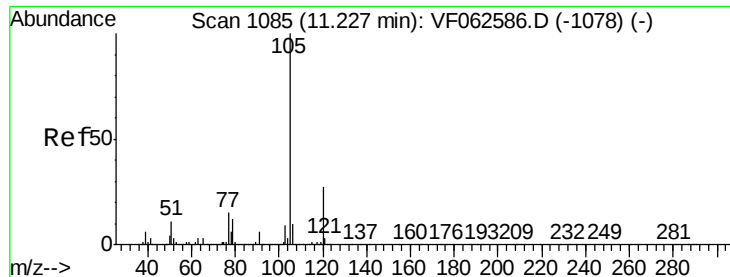


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 9.137 ug/l

RT: 11.23 min Scan# 1085

Delta R.T. 0.01 min

Lab File: VF062584.D

Acq: 14 May 2019 15:55

Instrument :

MSVOA_F

ClientSampleId :

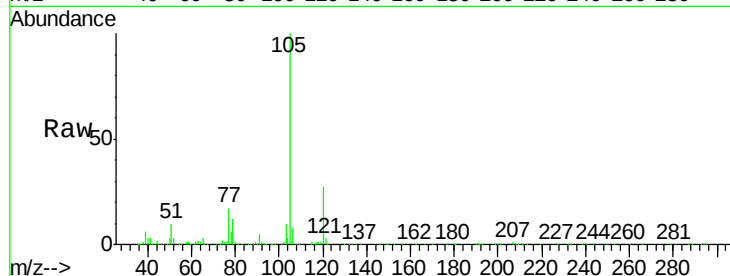
VSTDIC010

Tot Ion:105 Resp: 255678

Ion Ratio Lower Upper

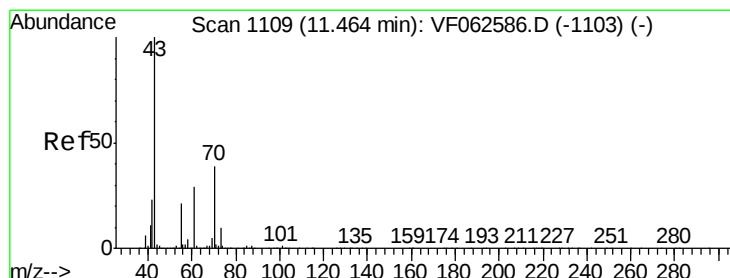
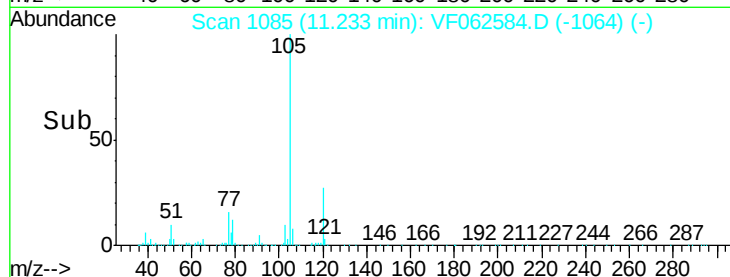
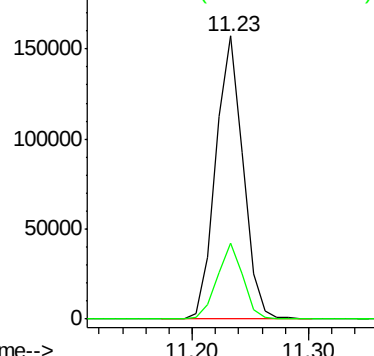
105 100

120 26.7 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: 9.283 ug/l

RT: 11.46 min Scan# 1108

Delta R.T. -0.00 min

Lab File: VF062584.D

Acq: 14 May 2019 15:55

Tgt Ion: 43 Resp: 69517

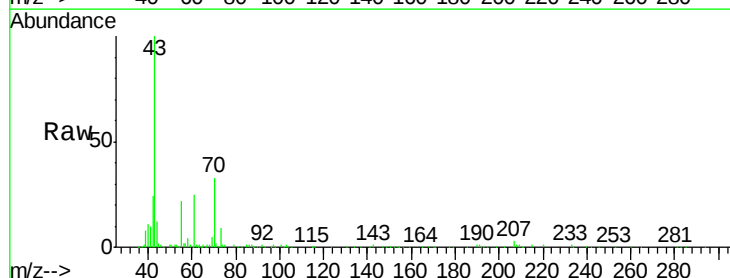
Ion Ratio Lower Upper

43 100

70 32.7 31.0 46.4

55 22.1 16.7 25.1

61 25.4 23.4 35.2

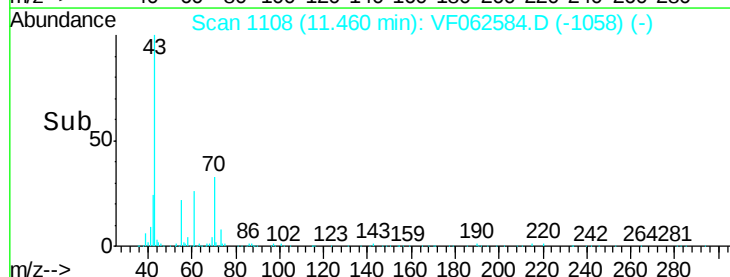
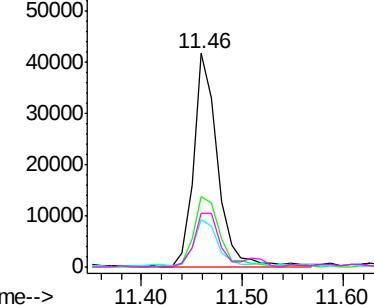


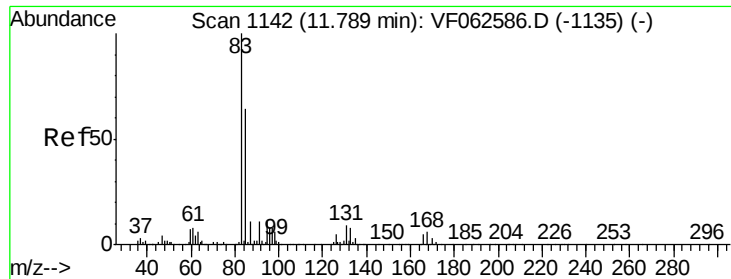
Abundance Ion 43.00 (42.70 to 43.70): VF0

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: 11.671 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. -0.00 min

Lab File: VF062584.D

Acq: 14 May 2019 15:55

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

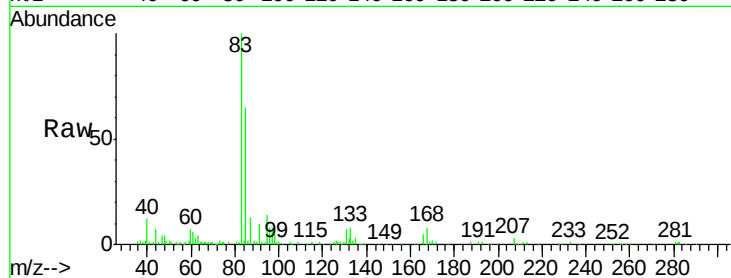
Tot Ion: 83 Resp: 53336

Ion Ratio Lower Upper

83 100

131 6.8 4.6 13.8

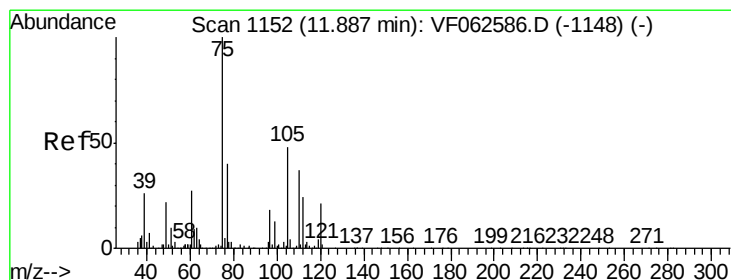
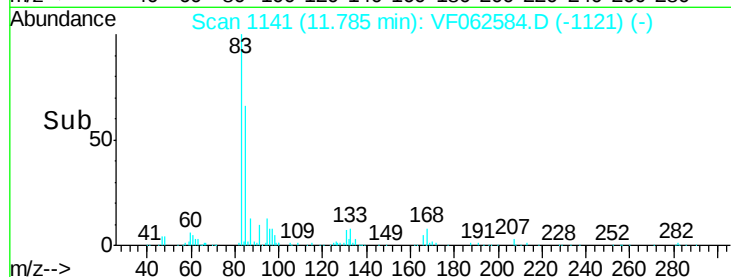
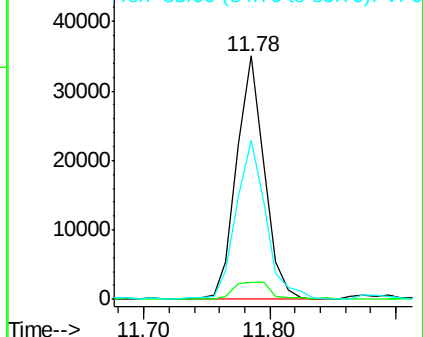
85 65.5 32.1 96.3



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: 10.576 ug/l

RT: 11.88 min Scan# 1151

Delta R.T. -0.00 min

Lab File: VF062584.D

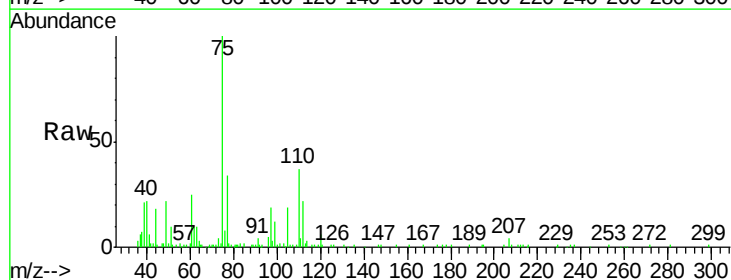
Acq: 14 May 2019 15:55

Tgt Ion: 75 Resp: 36277

Ion Ratio Lower Upper

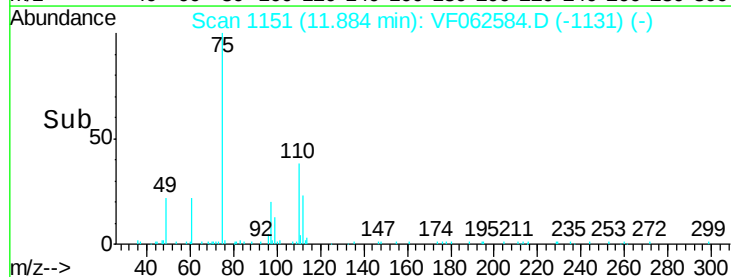
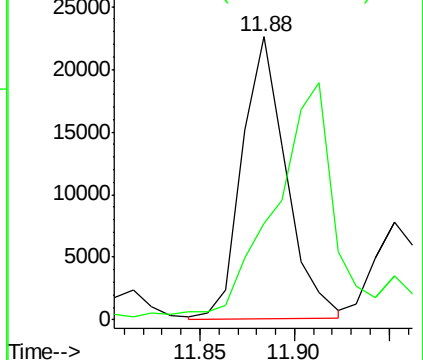
75 100

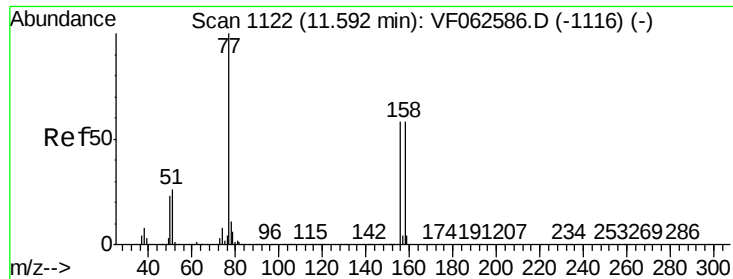
77 33.9 20.4 61.3



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 9.684 ug/l

RT: 11.60 min Scan# 1122

Delta R.T. 0.01 min

Lab File: VF062584.D

Acq: 14 May 2019 15:55

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

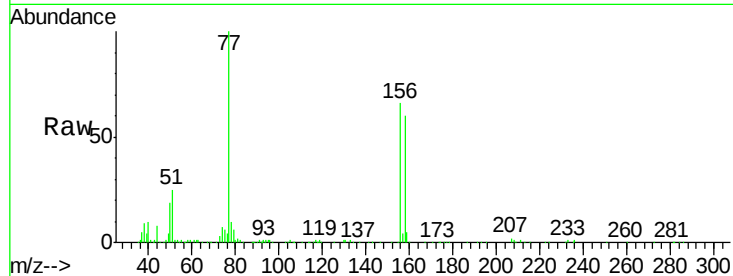
Tot Ion:156 Resp: 57379

Ion Ratio Lower Upper

156 100

77 151.9 86.5 259.5

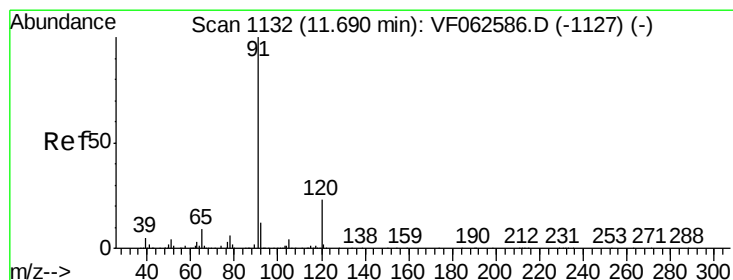
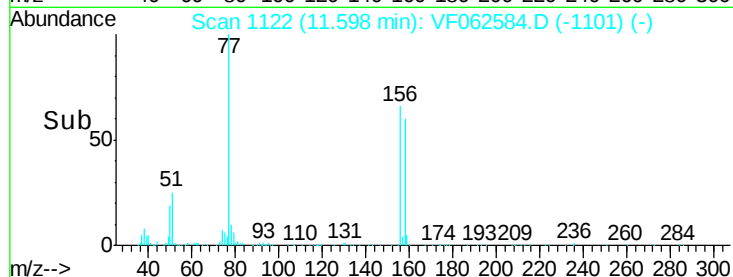
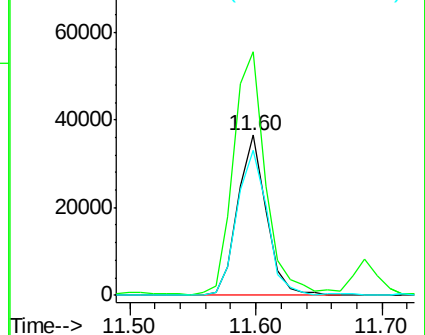
158 90.4 50.3 150.9



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 9.751 ug/l

RT: 11.69 min Scan# 1131

Delta R.T. -0.00 min

Lab File: VF062584.D

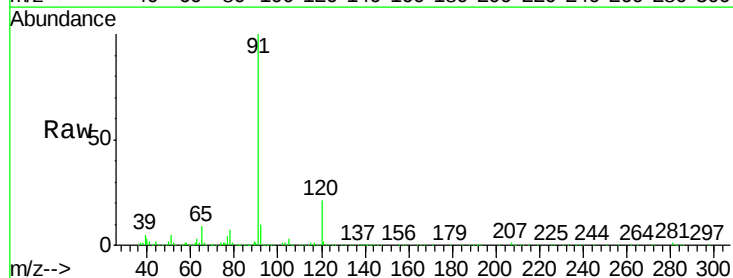
Acq: 14 May 2019 15:55

Tgt Ion: 91 Resp: 317541

Ion Ratio Lower Upper

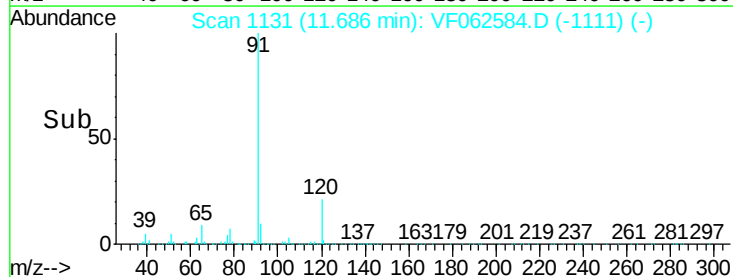
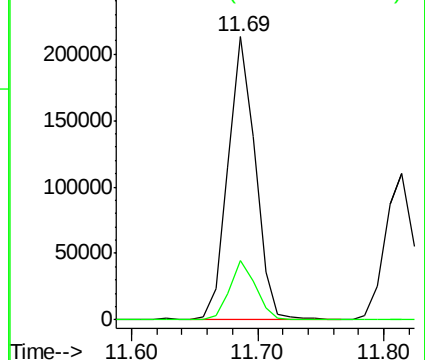
91 100

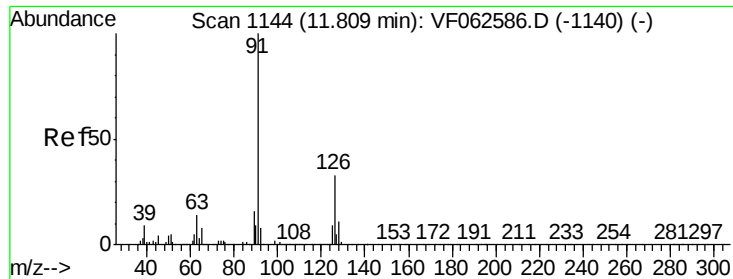
120 21.1 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

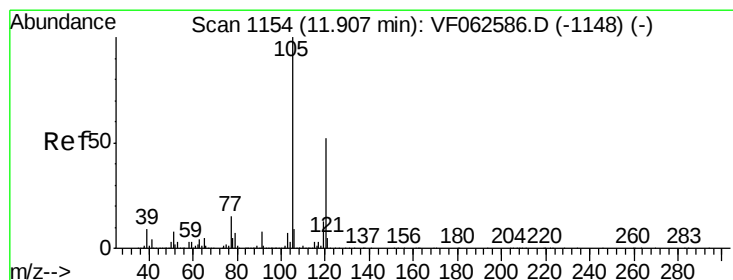
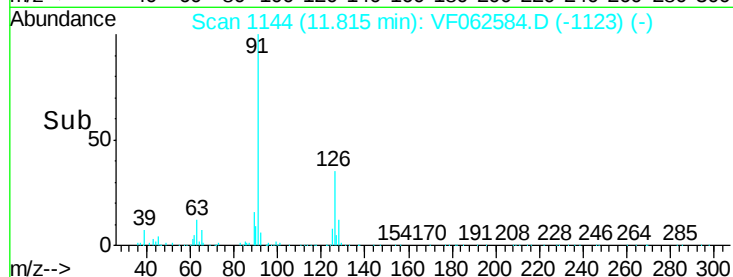
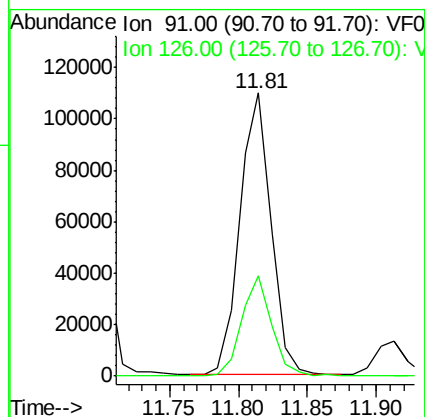
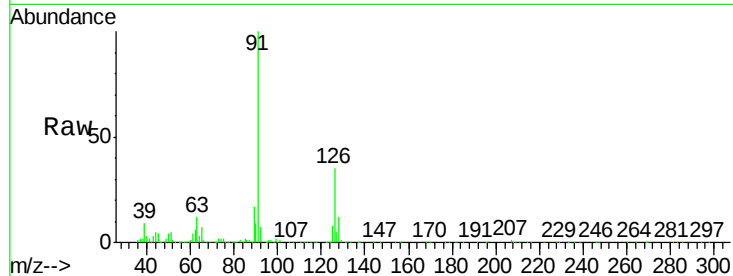




#79
2-Chlorotoluene
Concen: 9.276 ug/l
RT: 11.81 min Scan# 1144
Delta R.T. 0.01 min
Lab File: VF062584.D
Acq: 14 May 2019 15:55

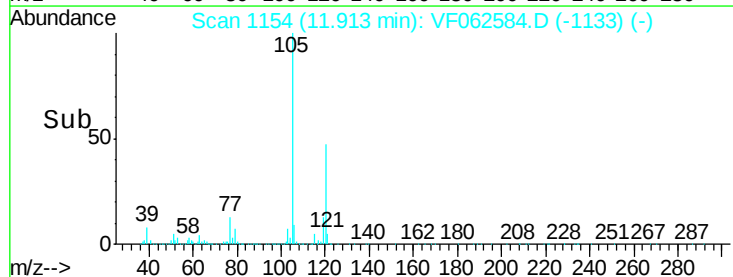
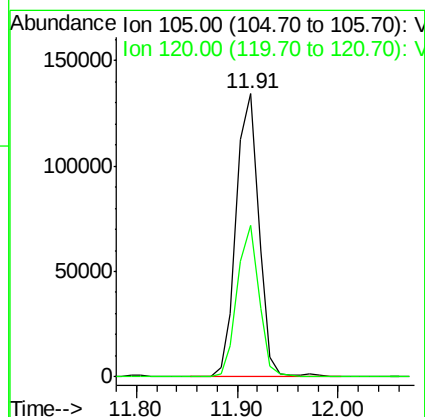
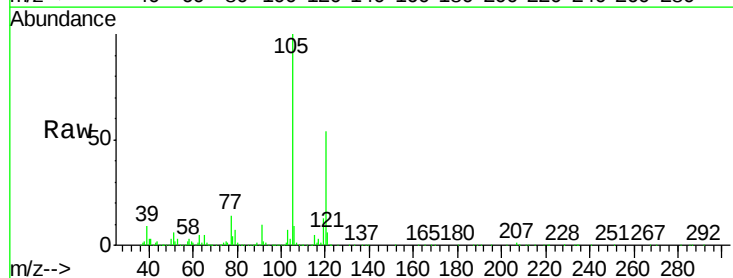
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

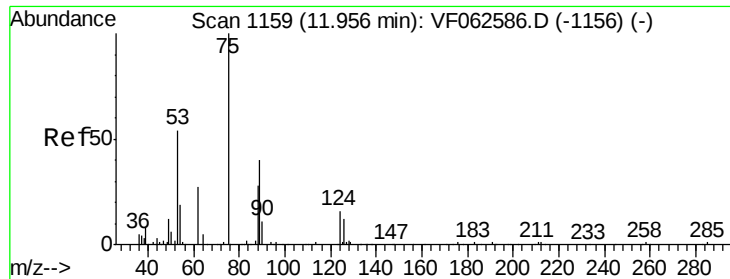
Tot Ion: 91 Resp: 172541
Ion Ratio Lower Upper
91 100
126 35.3 16.6 49.8



#80
1,3,5-Trimethylbenzene
Concen: 9.015 ug/l
RT: 11.91 min Scan# 1154
Delta R.T. 0.01 min
Lab File: VF062584.D
Acq: 14 May 2019 15:55

Tgt Ion: 105 Resp: 210213
Ion Ratio Lower Upper
105 100
120 53.7 25.9 77.6





#81

trans-1,4-Dichloro-2-butene

Concen: 11.179 ug/l m

RT: 11.95 min Scan# 1158

Delta R.T. -0.00 min

Lab File: VF062584.D

Acq: 14 May 2019 15:55

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

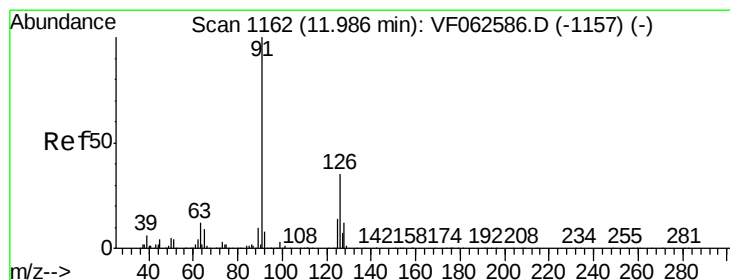
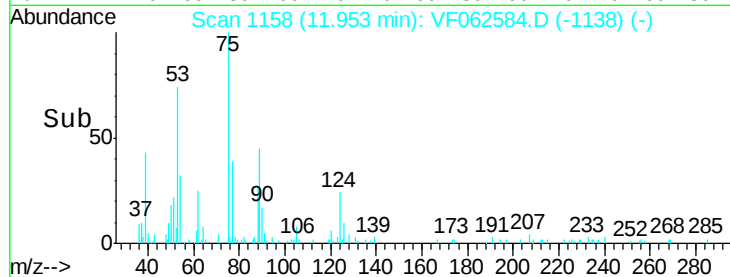
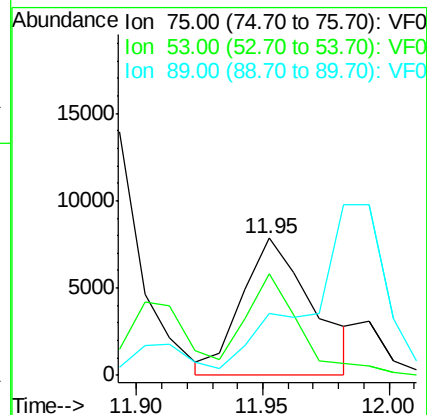
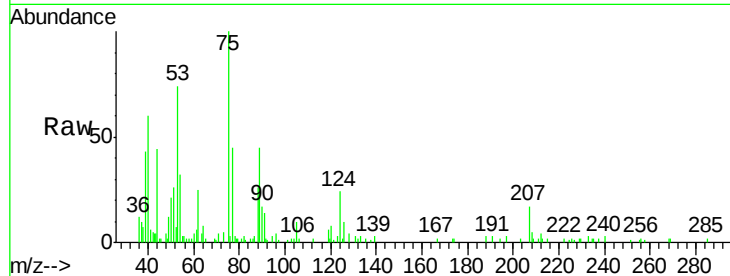
Tot Ion: 75 Resp: 15422

Ion Ratio Lower Upper

75 100

53 74.5 46.6 70.0#

89 45.2 33.8 50.8



#82

4-Chlorotoluene

Concen: 9.255 ug/l

RT: 11.99 min Scan# 1162

Delta R.T. 0.01 min

Lab File: VF062584.D

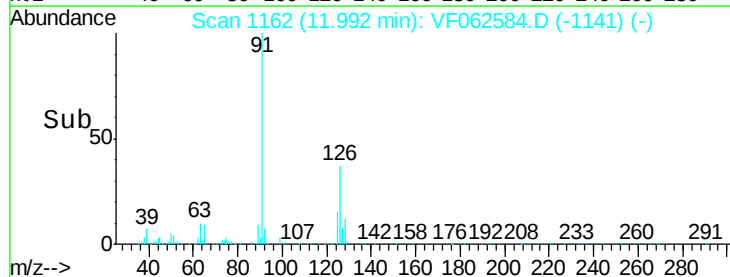
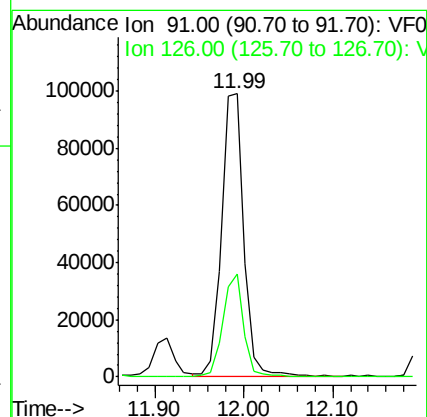
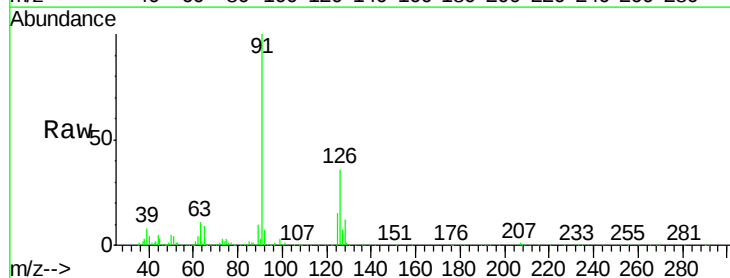
Acq: 14 May 2019 15:55

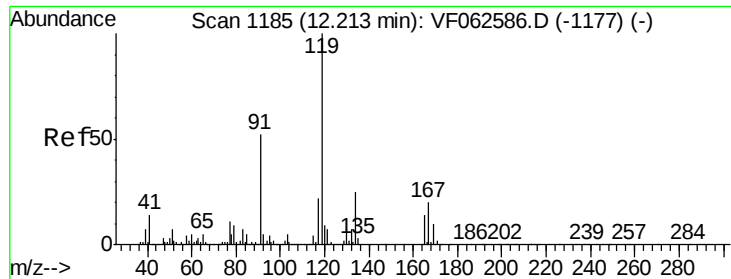
Tgt Ion: 91 Resp: 174031

Ion Ratio Lower Upper

91 100

126 36.5 17.5 52.5

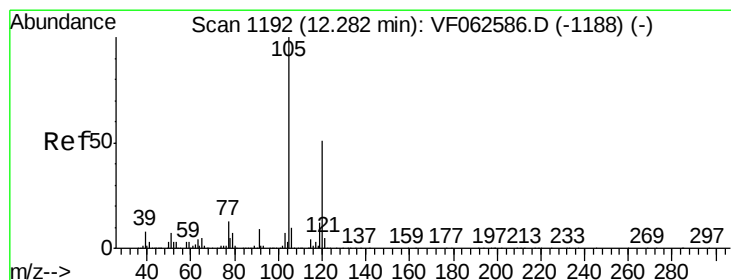
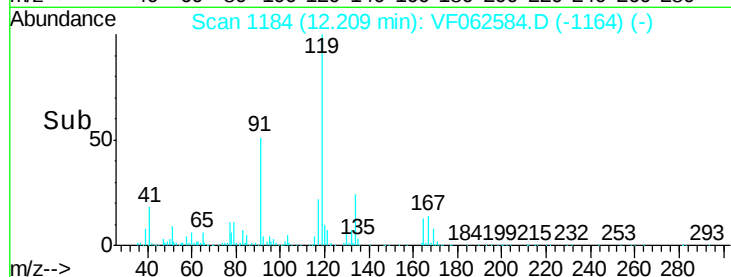
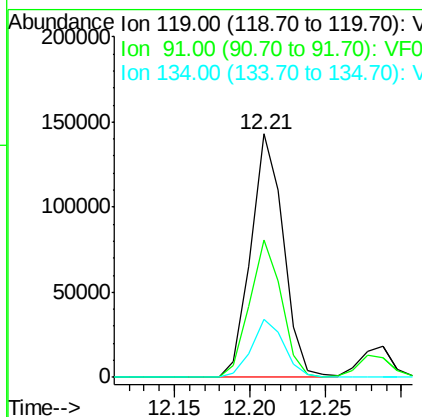
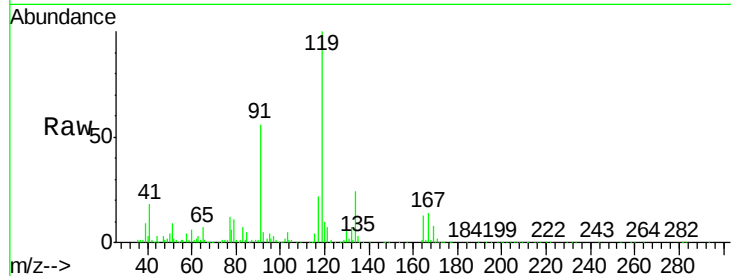




#83
tert-Butylbenzene
Concen: 9.097 ug/l
RT: 12.21 min Scan# 1184
Delta R.T. -0.00 min
Lab File: VF062584.D
Acq: 14 May 2019 15:55

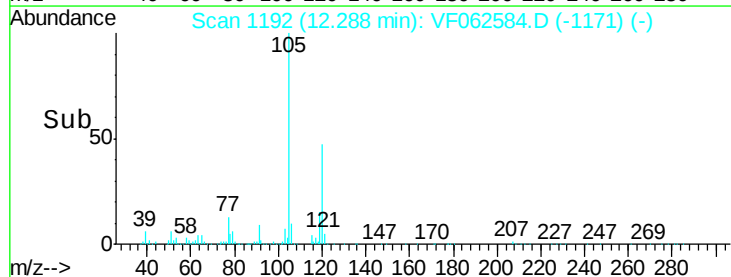
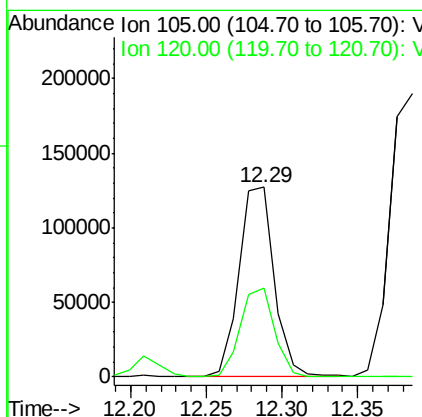
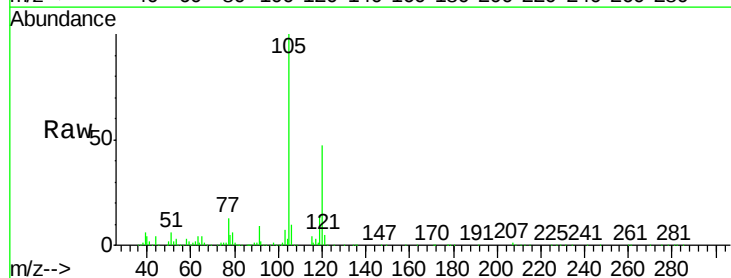
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

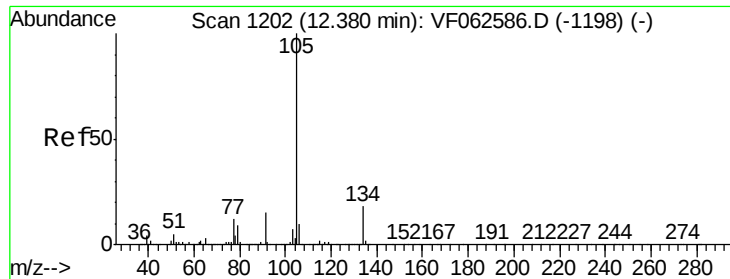
Tot Ion:119 Resp: 214759
Ion Ratio Lower Upper
119 100
91 56.2 26.0 78.0
134 23.9 12.6 37.8



#84
1,2,4-Trimethylbenzene
Concen: 8.886 ug/l
RT: 12.29 min Scan# 1192
Delta R.T. 0.01 min
Lab File: VF062584.D
Acq: 14 May 2019 15:55

Tgt Ion:105 Resp: 206407
Ion Ratio Lower Upper
105 100
120 47.1 25.4 76.0

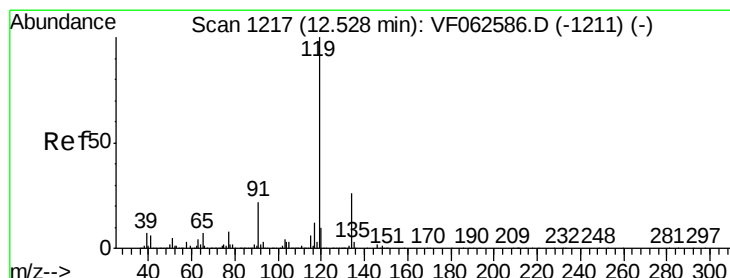
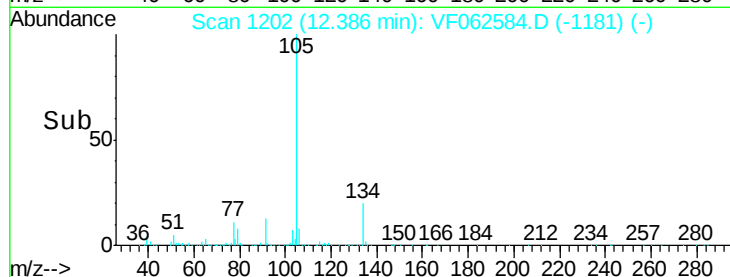
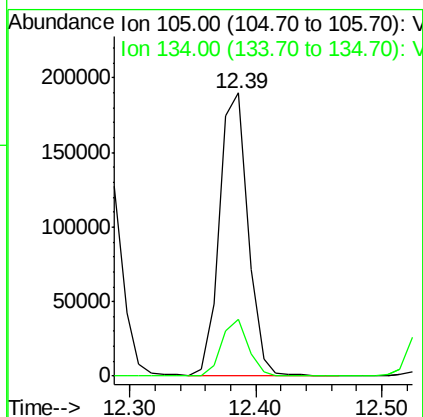
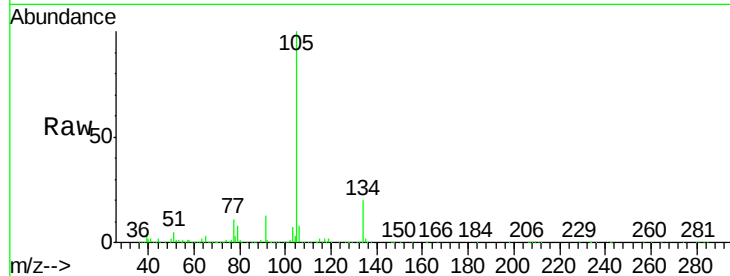




#85
 sec-Butylbenzene
 Concen: 9.938 ug/l
 RT: 12.39 min Scan# 1202
 Delta R.T. 0.01 min
 Lab File: VF062584.D
 Acq: 14 May 2019 15:55

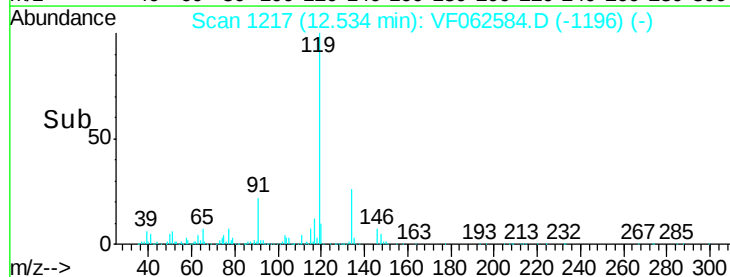
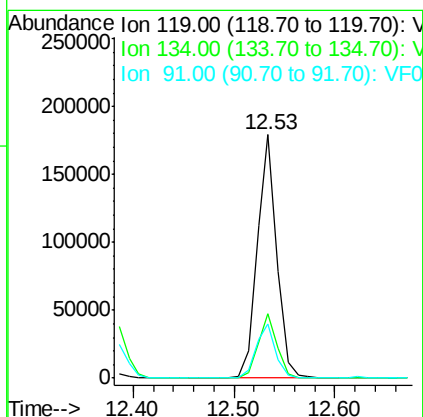
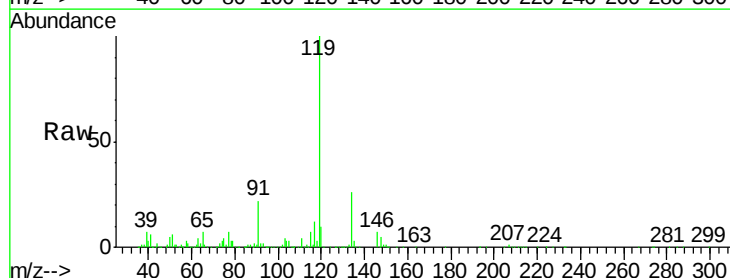
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

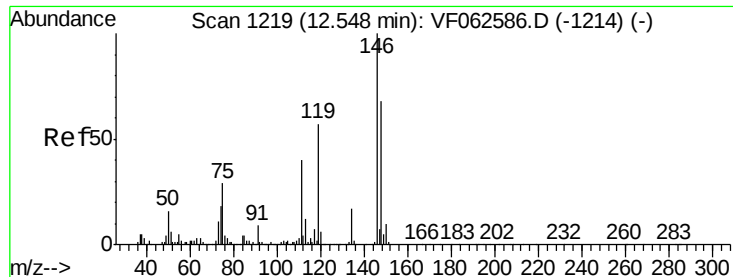
Tot Ion:105 Resp: 298903
 Ion Ratio Lower Upper
 105 100
 134 20.1 9.3 27.7



#86
 p-Isopropyltoluene
 Concen: 9.055 ug/l
 RT: 12.53 min Scan# 1217
 Delta R.T. 0.01 min
 Lab File: VF062584.D
 Acq: 14 May 2019 15:55

Tgt Ion:119 Resp: 241952
 Ion Ratio Lower Upper
 119 100
 134 26.4 13.0 39.0
 91 22.2 10.9 32.9





#87

1,3-Dichlorobenzene

Concen: 10.699 ug/l

RT: 12.55 min Scan# 1219

Delta R.T. 0.01 min

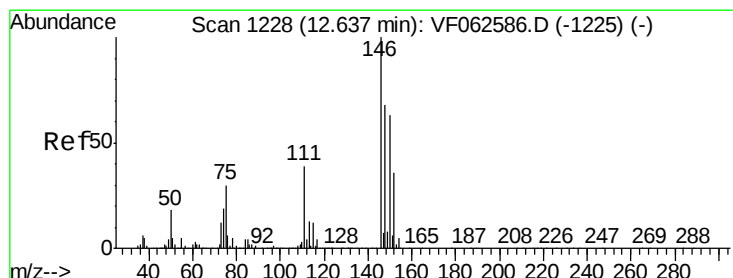
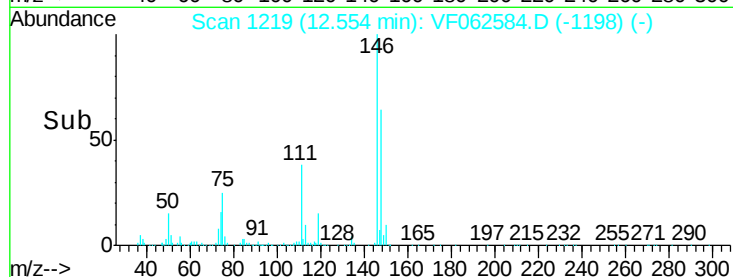
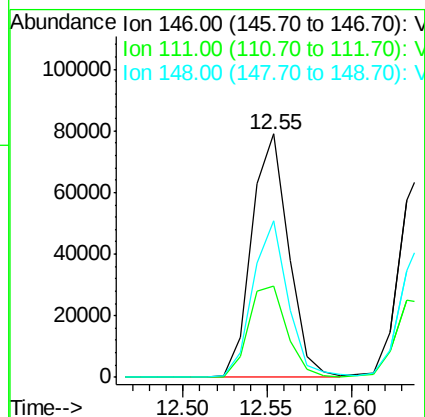
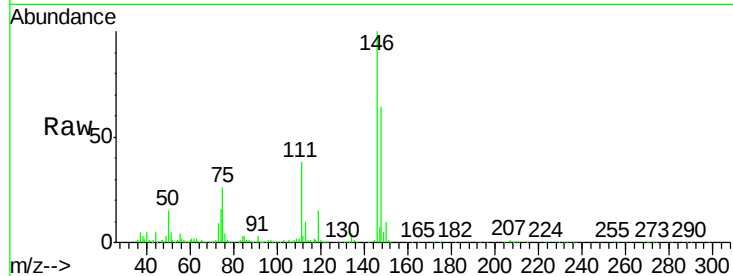
Lab File: VF062584.D

Acq: 14 May 2019 15:55

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion:146 Resp: 120008

Ion	Ratio	Lower	Upper
146	100		
111	37.7	20.1	60.2
148	64.3	34.0	101.8



#88

1,4-Dichlorobenzene

Concen: 9.822 ug/l

RT: 12.64 min Scan# 1228

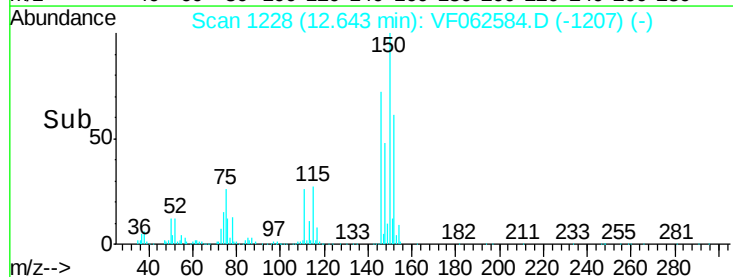
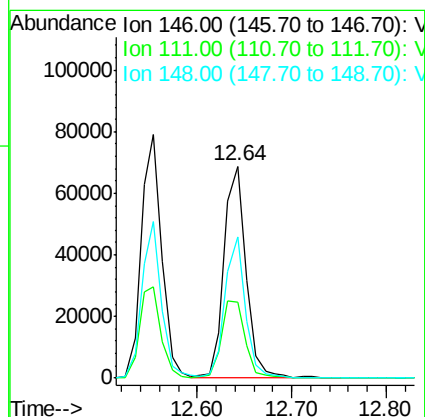
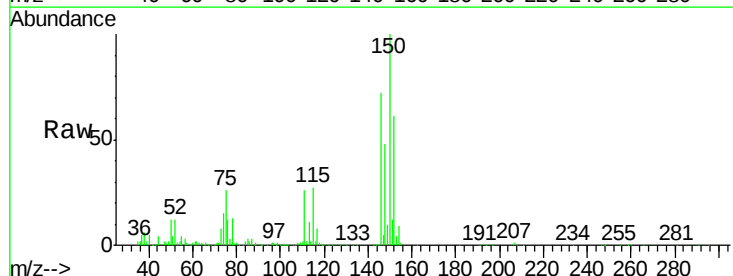
Delta R.T. 0.01 min

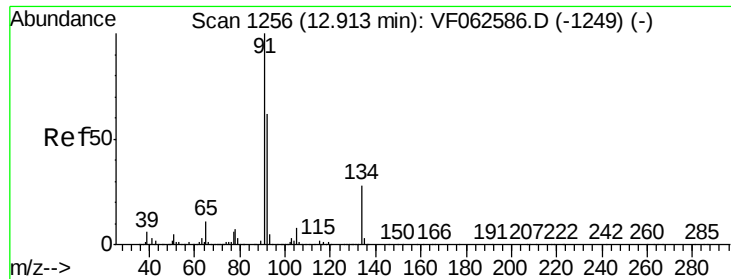
Lab File: VF062584.D

Acq: 14 May 2019 15:55

Tgt Ion:146 Resp: 111665

Ion	Ratio	Lower	Upper
146	100		
111	35.6	19.4	58.1
148	66.9	34.2	102.5

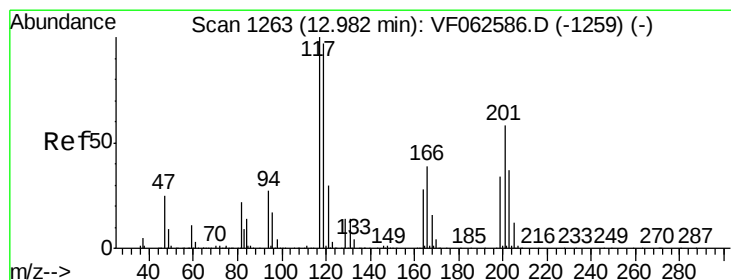
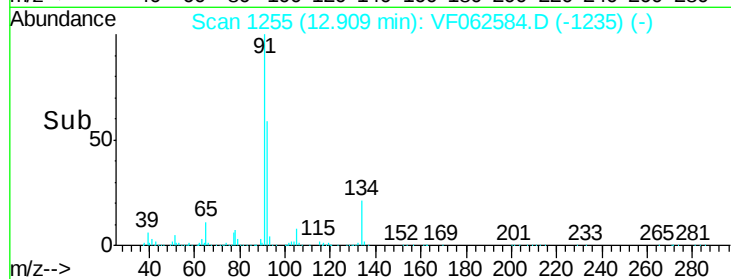
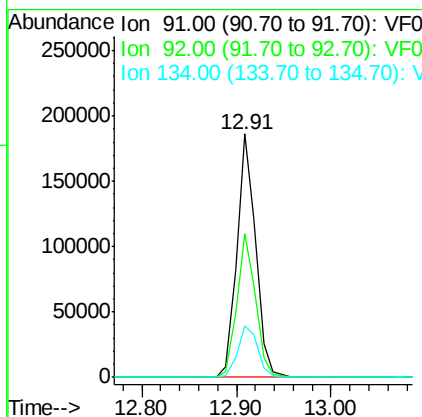
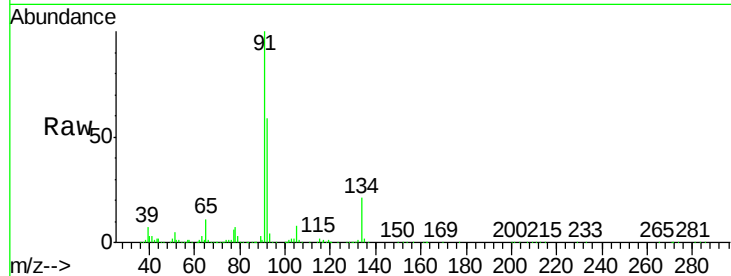




#89
n-Butylbenzene
Concen: 9.838 ug/l
RT: 12.91 min Scan# 1255
Delta R.T. -0.00 min
Lab File: VF062584.D
Acq: 14 May 2019 15:55

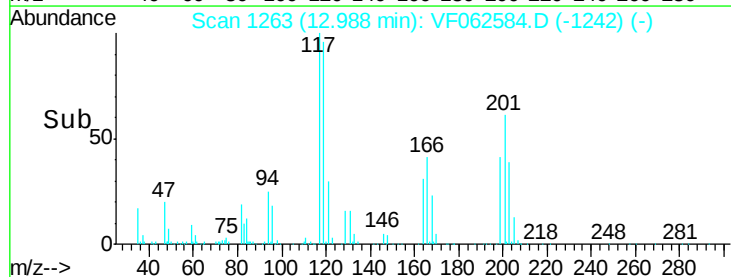
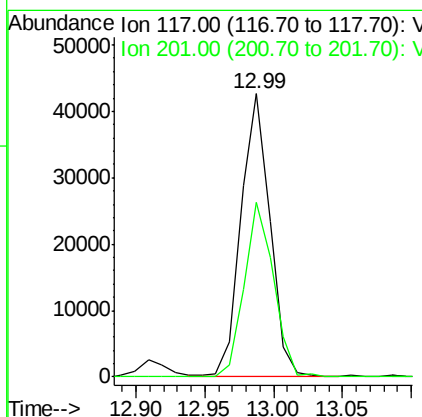
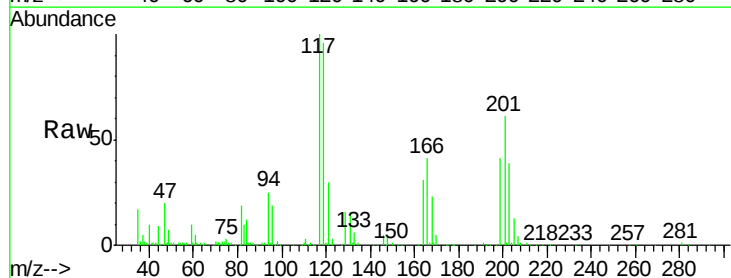
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

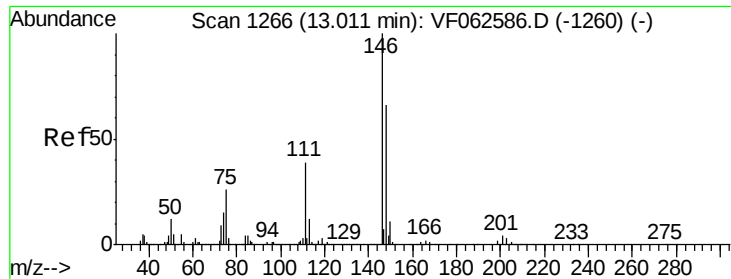
Tot Ion	Ratio	Lower	Upper
91	100		
92	59.3	30.9	92.8
134	21.1	13.9	41.6



#90
Hexachloroethane
Concen: 10.046 ug/l
RT: 12.99 min Scan# 1263
Delta R.T. 0.01 min
Lab File: VF062584.D
Acq: 14 May 2019 15:55

Tgt Ion	Ratio	Lower	Upper
117	100		
201	62.9	29.7	89.1

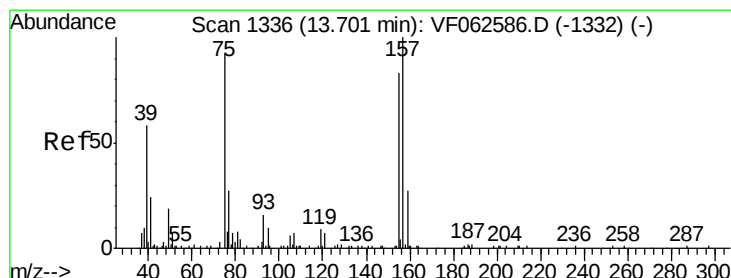
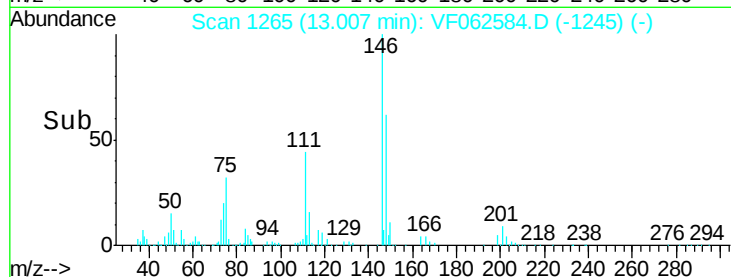
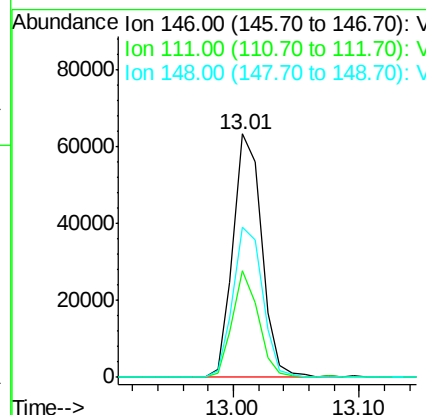
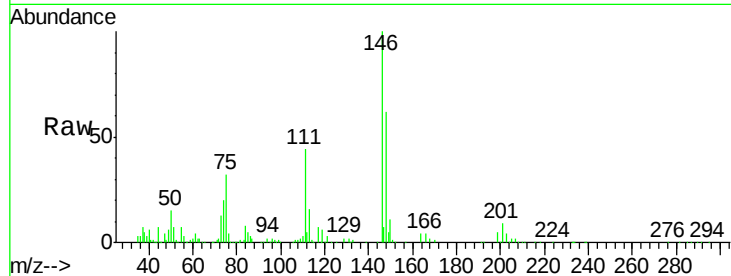




#91
 1,2-Dichlorobenzene
 Concen: 9.413 ug/l
 RT: 13.01 min Scan# 1265
 Delta R.T. -0.00 min
 Lab File: VF062584.D
 Acq: 14 May 2019 15:55

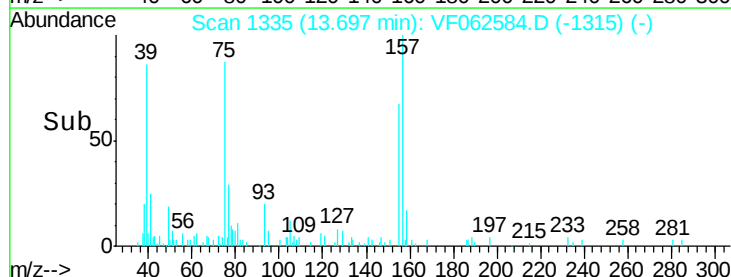
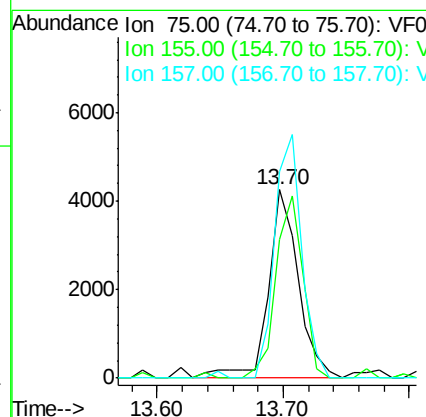
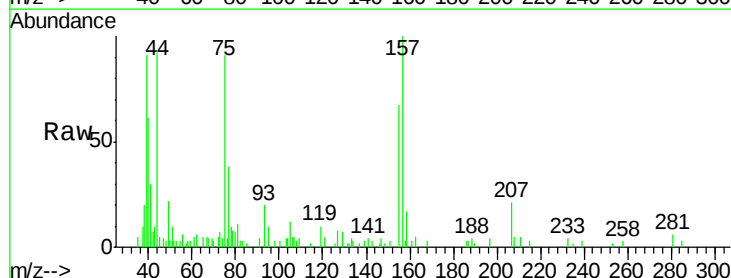
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

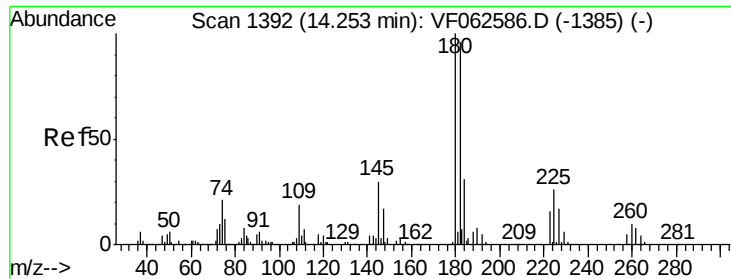
Tot Ion:146 Resp: 99975
 Ion Ratio Lower Upper
 146 100
 111 43.8 19.4 58.2
 148 61.9 33.1 99.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 7.476 ug/l
 RT: 13.70 min Scan# 1335
 Delta R.T. -0.00 min
 Lab File: VF062584.D
 Acq: 14 May 2019 15:55

Tgt Ion: 75 Resp: 7092
 Ion Ratio Lower Upper
 75 100
 155 73.5 44.8 134.4
 157 109.5 54.1 162.3

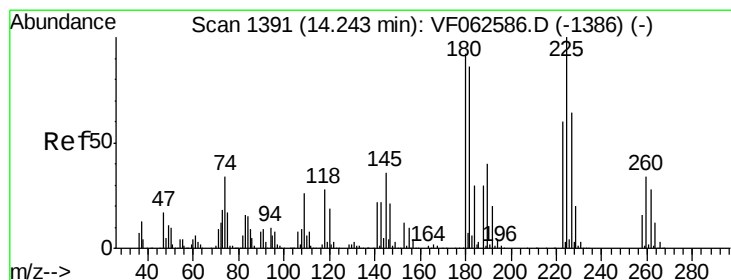
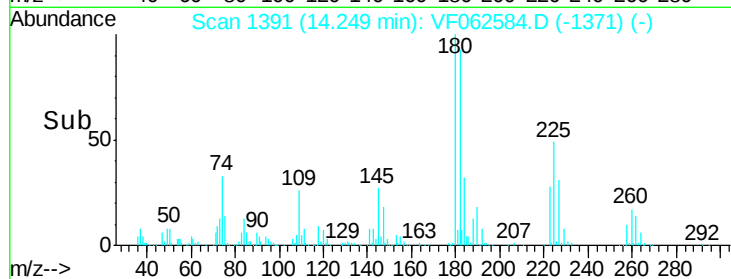
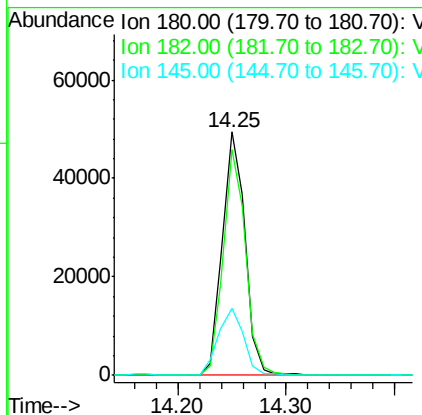
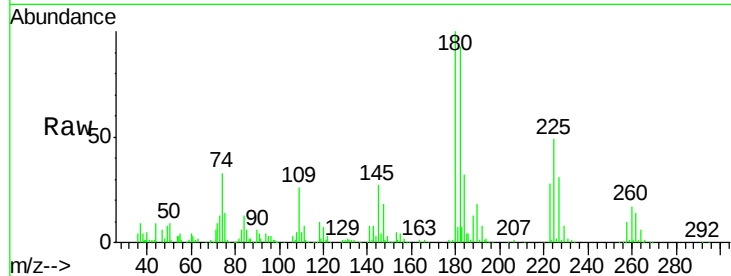




#93
 1,2,4-Trichlorobenzene
 Concen: 9.340 ug/l
 RT: 14.25 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VF062584.D
 Acq: 14 May 2019 15:55

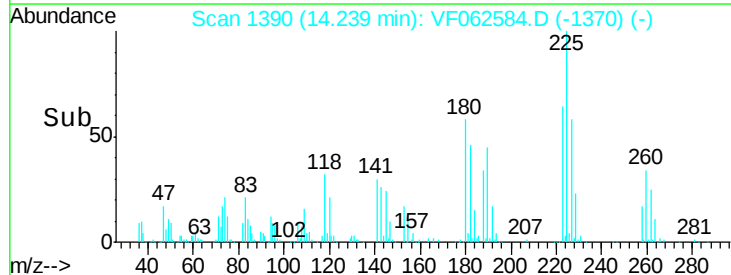
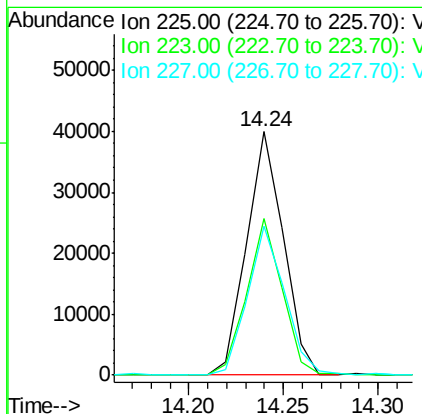
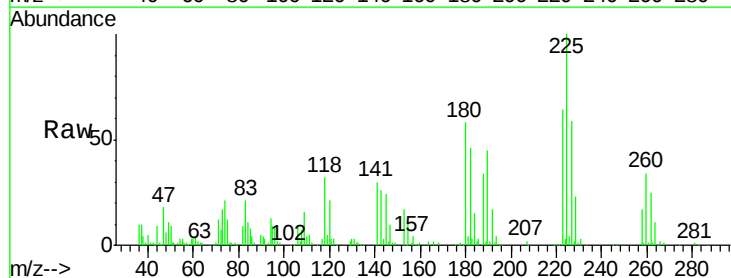
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

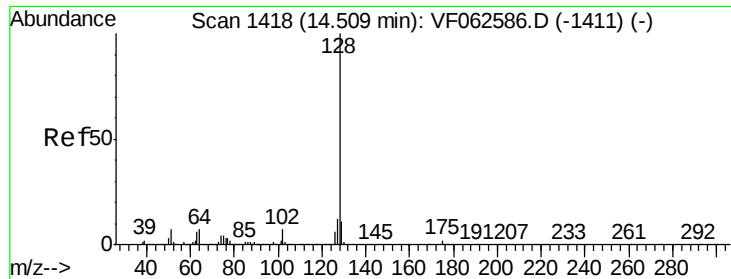
Tot Ion:180 Resp: 72397
 Ion Ratio Lower Upper
 180 100
 182 92.5 47.9 143.8
 145 27.5 14.8 44.4



#94
 Hexachlorobutadiene
 Concen: 10.737 ug/l
 RT: 14.24 min Scan# 1390
 Delta R.T. -0.00 min
 Lab File: VF062584.D
 Acq: 14 May 2019 15:55

Tgt Ion:225 Resp: 54017
 Ion Ratio Lower Upper
 225 100
 223 64.3 29.9 89.7
 227 60.9 31.9 95.9

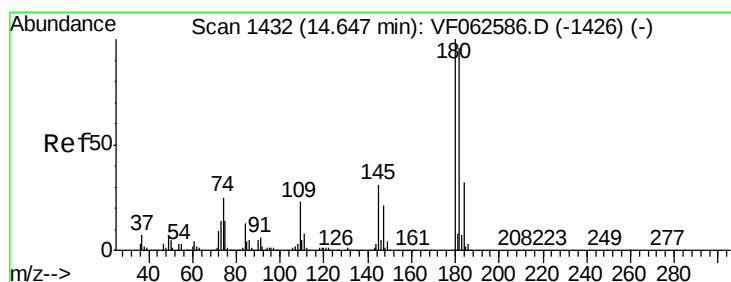
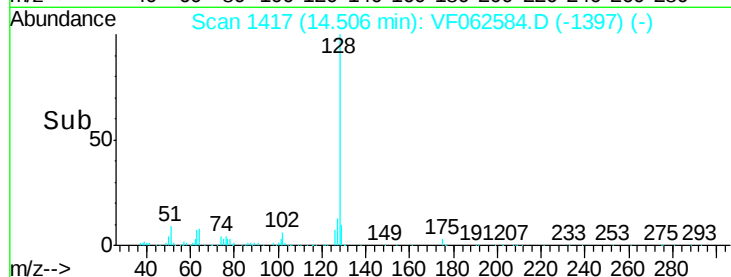
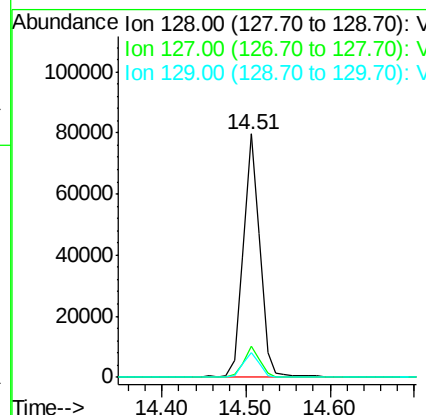
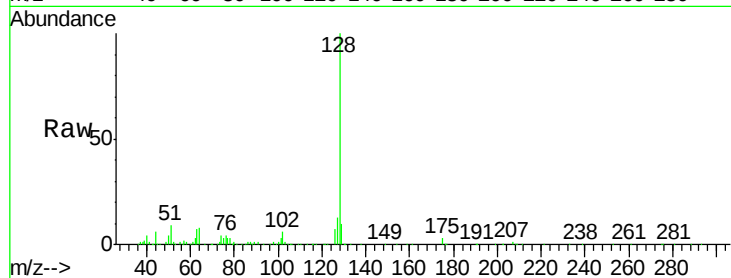




#95
Naphthalene
Concen: 8.616 ug/l
RT: 14.51 min Scan# 1417
Delta R.T. -0.00 min
Lab File: VF062584.D
Acq: 14 May 2019 15:55

Instrument :
MSVOA_F
ClientSampled :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	9.5	14.3
129	10.3	8.6	13.0



#96
1,2,3-Trichlorobenzene
Concen: 9.872 ug/l
RT: 14.65 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VF062584.D
Acq: 14 May 2019 15:55

Tgt Ion	Ratio	Lower	Upper
180	100		
182	89.4	48.1	144.3
145	27.4	15.6	46.7

