

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051519\
 Data File : VF062605.D
 Acq On : 15 May 2019 13:31
 Operator : FY/SY
 Sample : VF0515SBS01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0515SBS01

Quant Time: May 15 15:42:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F051419S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 15 05:06:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.08	168	645809	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.79	114	1156272	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.93	117	854758	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	435345	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.05	65	219700	45.03	ug/l	-0.01
Spiked Amount						
			Recovery	=		90.06%
35) Dibromofluoromethane	4.33	113	409928	47.63	ug/l	0.00
Spiked Amount						
			Recovery	=		95.26%
50) Toluene-d8	7.73	98	971976	47.93	ug/l	0.00
Spiked Amount						
			Recovery	=		95.86%
62) 4-Bromofluorobenzene	11.51	95	345886	48.84	ug/l	0.00
Spiked Amount						
			Recovery	=		97.68%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.01	85	168529	26.063	ug/l	99
3) Chloromethane	1.14	50	165323	22.447	ug/l	99
4) Vinyl Chloride	1.20	62	164959	22.505	ug/l	100
5) Bromomethane	1.38	94	72914	18.914	ug/l	95
6) Chloroethane	1.44	64	60341	21.677	ug/l	92
7) Trichlorofluoromethane	1.56	101	231767	23.077	ug/l	100
8) Diethyl Ether	1.72	74	46171	20.508	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	1.92	101	150179	21.922	ug/l	95
10) Methyl Iodide	1.98	142	273510	22.417	ug/l	97
11) Tert butyl alcohol	2.71	59	30394	103.473	ug/l #	92
12) 1,1-Dichloroethene	1.88	96	133062	22.674	ug/l	99
13) Acrolein	2.11	56	24991	128.376	ug/l	89
14) Allyl chloride	2.21	41	153567	25.574	ug/l	96
15) Acrylonitrile	3.10	53	100276	95.433	ug/l	92
16) Acetone	2.36	43	109716	110.827	ug/l	95
17) Carbon Disulfide	1.92	76	328649	23.545	ug/l	99
18) Methyl Acetate	2.48	43	46166	18.740	ug/l #	88
19) Methyl tert-butyl Ether	2.57	73	248151	23.750	ug/l	99
20) Methylene Chloride	2.30	84	136322m	19.457	ug/l	
21) trans-1,2-Dichloroethene	2.44	96	126587	21.404	ug/l	97
22) Diisopropyl ether	2.95	45	310129	22.213	ug/l	99
23) Vinyl Acetate	3.37	43	893139	116.955	ug/l	100
24) 1,1-Dichloroethane	3.03	63	232608	21.886	ug/l	100
25) 2-Butanone	4.55	43	256233	114.486	ug/l	96
26) 2,2-Dichloropropane	3.80	77	136888	23.865	ug/l	93
27) cis-1,2-Dichloroethene	3.67	96	188016	22.502	ug/l	94
28) Bromochloromethane	3.93	49	130646	21.868	ug/l	88
29) Tetrahydrofuran	4.29	42	96905	102.317	ug/l	92
30) Chloroform	4.08	83	282095	22.119	ug/l	96
31) Cyclohexane	3.91	56	250945	22.654	ug/l	91
32) 1,1,1-Trichloroethane	4.31	97	198488	23.090	ug/l	94
36) 1,1-Dichloropropene	4.50	75	208321	20.821	ug/l	94
37) Ethyl Acetate	4.32	43	83436	20.293	ug/l	95
38) Carbon Tetrachloride	4.21	117	195145	23.776	ug/l	99

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 Sample : VF0515SBS01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F051419S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 15 05:06:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.66	83	260910	22.272	ug/l	90
40) Benzene	4.84	78	604005	21.220	ug/l	94
41) Methacrylonitrile	4.95	41	49927	21.444	ug/l	99
42) 1,2-Dichloroethane	5.15	62	120095	19.883	ug/l	92
43) Isopropyl Acetate	7.13	43	101076	20.775	ug/l #	93
44) Trichloroethene	5.71	130	163956	21.329	ug/l	99
45) 1,2-Dichloropropane	6.43	63	155740	21.737	ug/l	96
46) Dibromomethane	6.28	93	86355	21.558	ug/l	96
47) Bromodichloromethane	6.57	83	184368	21.410	ug/l #	95
48) Methyl methacrylate	6.89	41	50879	19.105	ug/l #	87
49) 1,4-Dioxane	6.89	88	14264	406.452	ug/l #	75
51) 4-Methyl-2-Pentanone	8.42	43	391743	109.887	ug/l	99
52) Toluene	7.80	92	313706	21.955	ug/l	95
53) t-1,3-Dichloropropene	8.44	75	147167	21.633	ug/l	97
54) cis-1,3-Dichloropropene	7.48	75	214901	22.354	ug/l	98
55) 1,1,2-Trichloroethane	8.65	97	93977	21.967	ug/l	99
56) Ethyl methacrylate	8.78	69	95331	20.331	ug/l	95
57) 1,3-Dichloropropane	9.01	76	152757	21.634	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.47	63	169625	115.619	ug/l	99
59) 2-Hexanone	9.64	43	260911	110.816	ug/l	94
60) Dibromochloromethane	8.88	129	117460	21.610	ug/l	98
61) 1,2-Dibromoethane	9.15	107	92829	21.635	ug/l	98
64) Tetrachloroethene	8.32	164	125128	22.154	ug/l	92
65) Chlorobenzene	9.95	112	325164	21.882	ug/l	93
66) 1,1,1,2-Tetrachloroethane	10.08	131	128371	21.032	ug/l	99
67) Ethyl Benzene	10.05	91	595721	22.564	ug/l	100
68) m/p-Xylenes	10.28	106	417831	44.650	ug/l	95
69) o-Xylene	10.83	106	202441	20.622	ug/l	94
70) Styrene	10.91	104	308001	20.649	ug/l	97
71) Bromoform	10.89	173	60895	21.189	ug/l	96
73) Isopropylbenzene	11.22	105	606497	20.720	ug/l	98
74) N-amyl acetate	11.46	43	138551	19.494	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.77	83	118939	19.834	ug/l	98
76) 1,2,3-Trichloropropane	11.88	75	76527	19.906	ug/l	99
77) Bromobenzene	11.60	156	136340	20.611	ug/l	79
78) n-propylbenzene	11.69	91	723768	20.788	ug/l	97
79) 2-Chlorotoluene	11.80	91	395955	20.607	ug/l	100
80) 1,3,5-Trimethylbenzene	11.90	105	480301	20.962	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.95	75	34200m	20.872	ug/l	
82) 4-Chlorotoluene	11.98	91	395559	21.054	ug/l	99
83) tert-Butylbenzene	12.21	119	497674	20.764	ug/l	98
84) 1,2,4-Trimethylbenzene	12.28	105	484588	21.530	ug/l	98
85) sec-Butylbenzene	12.38	105	675474	20.758	ug/l	99
86) p-Isopropyltoluene	12.52	119	577714	21.568	ug/l	99
87) 1,3-Dichlorobenzene	12.54	146	281858	21.786	ug/l	95
88) 1,4-Dichlorobenzene	12.63	146	255628	21.063	ug/l	98
89) n-Butylbenzene	12.91	91	594494	21.804	ug/l	99
90) Hexachloroethane	12.98	117	128655	18.751	ug/l	93
91) 1,2-Dichlorobenzene	13.01	146	237380	20.682	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.70	75	15668	21.271	ug/l	90

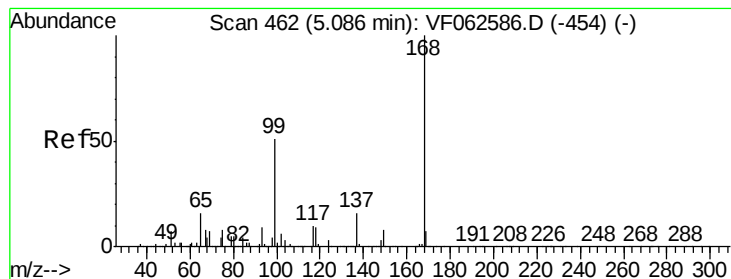
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF051519\
Data File : VF062605.D
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Operator : FY/SY
Sample : VF0515SBS01
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Instrument :
MSVOA_F
ClientSampleId :
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Quant Time: May 15 15:42:35 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F051419S.M
Quant Title : SW846 8260
QLast Update : Wed May 15 05:06:28 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	165031	20.677	ug/l	98
94) Hexachlorobutadiene	14.24	225	118327	20.409	ug/l	96
95) Naphthalene	14.50	128	255631	19.678	ug/l	99
96) 1,2,3-Trichlorobenzene	14.65	180	152027	20.532	ug/l	94

(#) = 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: VF062605.D

Acq: 15 May 2019 13:31

Instrument :

MSVOA_F

ClientSampleId :

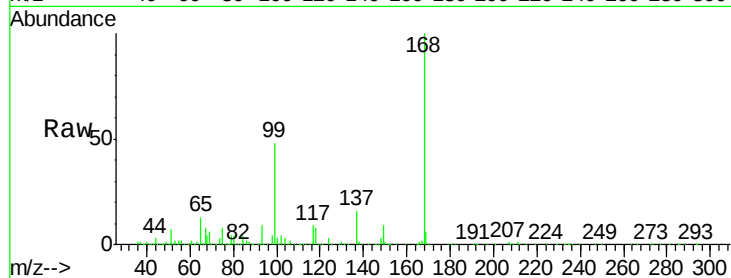
VF0515SBS01

Tot Ion:168 Resp: 645809

Ion Ratio Lower Upper

168 100

99 47.6 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

250000

200000

150000

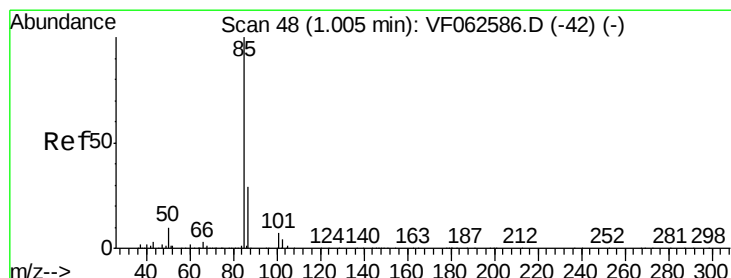
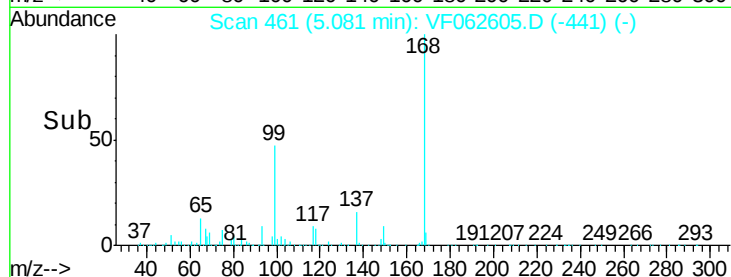
100000

50000

0

Time-->

5.00 5.10 5.20



#2

Dichlorodifluoromethane

Concen: 26.063 ug/l

RT: 1.01 min Scan# 48

Delta R.T. 0.01 min

Lab File: VF062605.D

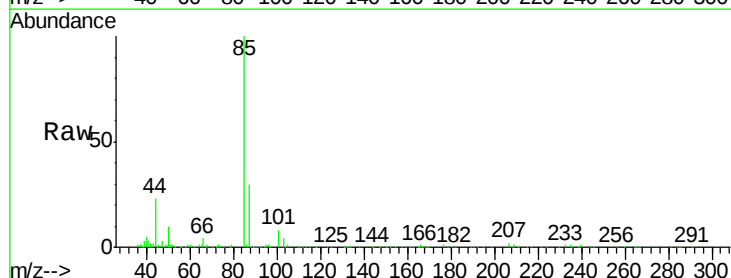
Acq: 15 May 2019 13:31

Tgt Ion: 85 Resp: 168529

Ion Ratio Lower Upper

85 100

87 29.7 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

60000

50000

40000

30000

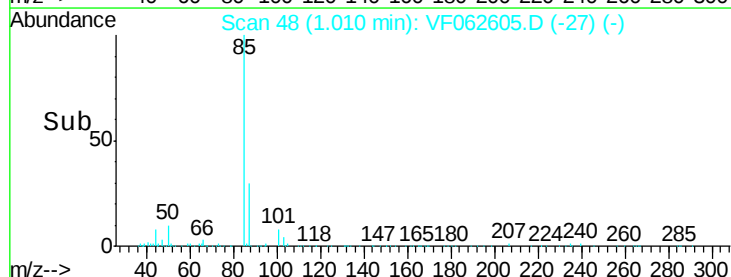
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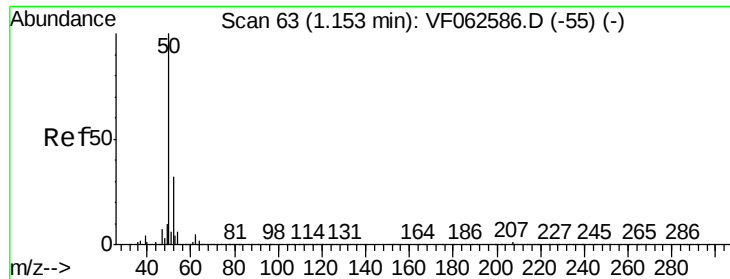
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Time-->

0.90 1.00 1.10 1.20





#3

Chloromethane

Concen: 22.447 ug/l

RT: 1.14 min Scan# 61

Delta R.T. -0.01 min

Lab File: VF062605.D

Acq: 15 May 2019 13:31

Instrument :

MSVOA_F

ClientSampleId :

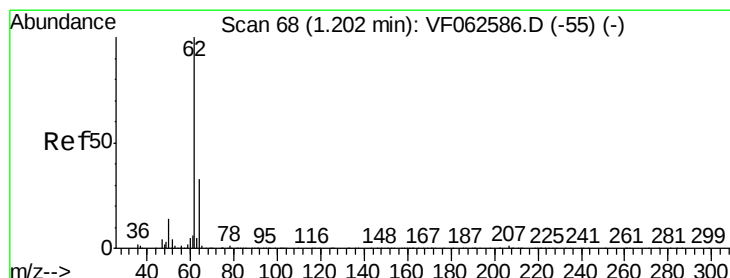
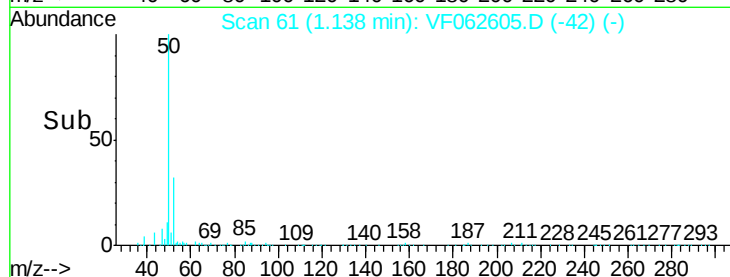
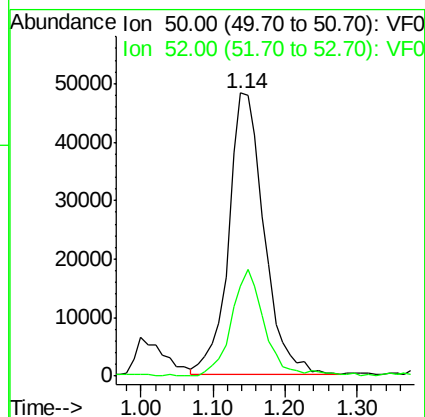
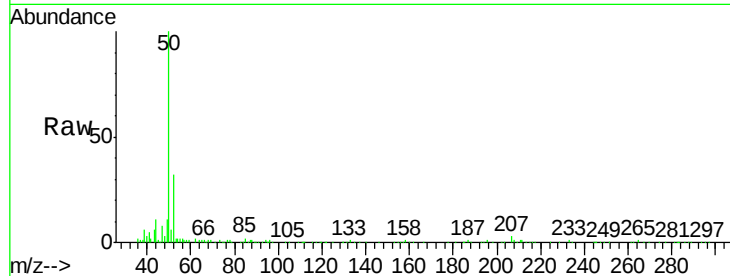
VF0515SBS01

Tot Ion: 50 Resp: 165323

Ion Ratio Lower Upper

50 100

52 32.0 25.3 37.9



#4

Vinyl Chloride

Concen: 22.505 ug/l

RT: 1.20 min Scan# 67

Delta R.T. -0.00 min

Lab File: VF062605.D

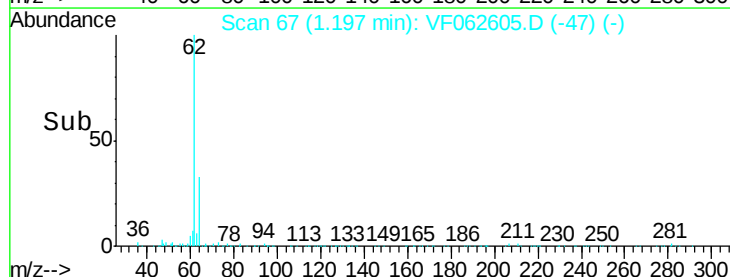
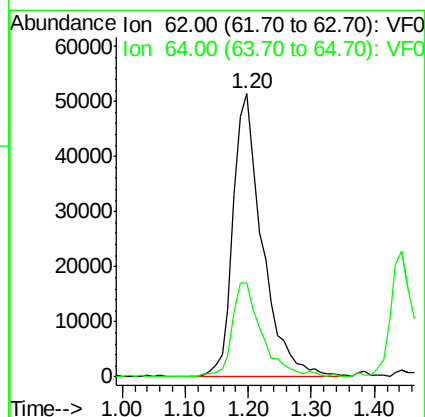
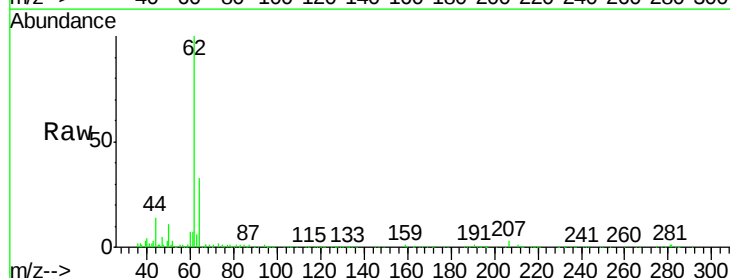
Acq: 15 May 2019 13:31

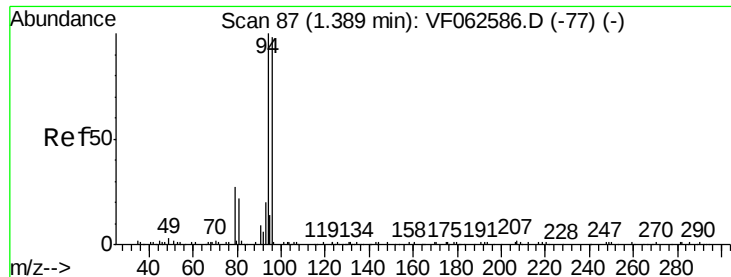
Tgt Ion: 62 Resp: 164959

Ion Ratio Lower Upper

62 100

64 33.2 26.5 39.7





#5

Bromomethane

Concen: 18.914 ug/l

RT: 1.38 min Scan# 86

Delta R.T. -0.00 min

Lab File: VF062605.D

Acq: 15 May 2019 13:31

Instrument :

MSVOA_F

ClientSampleId :

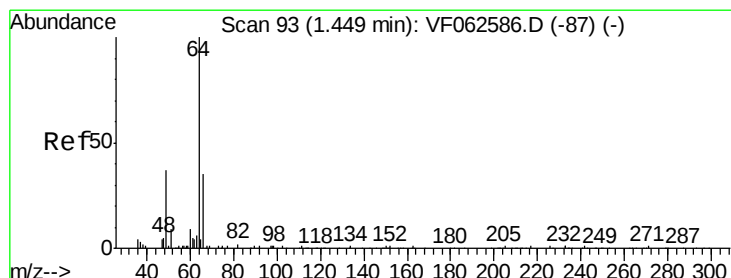
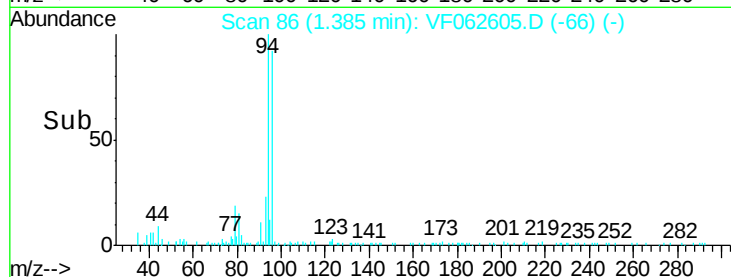
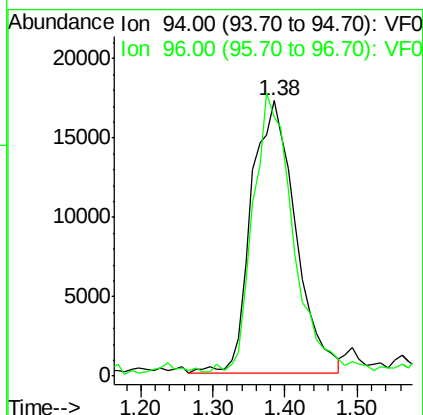
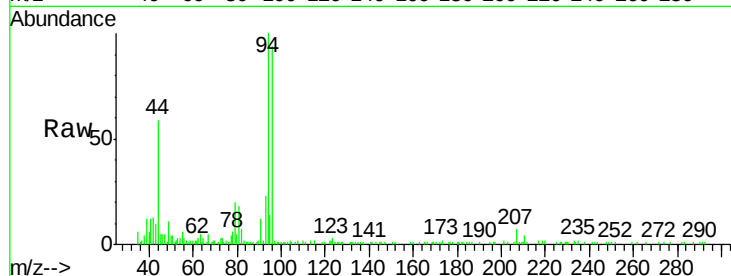
VF0515SBS01

Tot Ion: 94 Resp: 72914

Ion Ratio Lower Upper

94 100

96 94.2 79.3 118.9



#6

Chloroethane

Concen: 21.677 ug/l

RT: 1.44 min Scan# 92

Delta R.T. -0.00 min

Lab File: VF062605.D

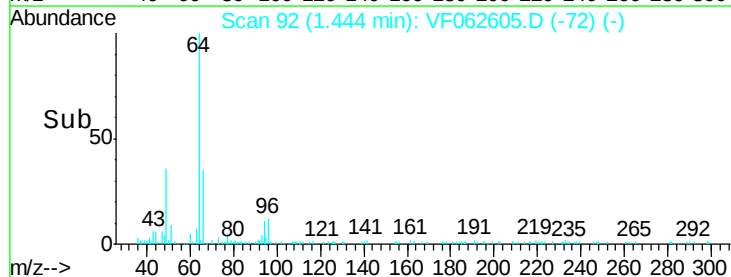
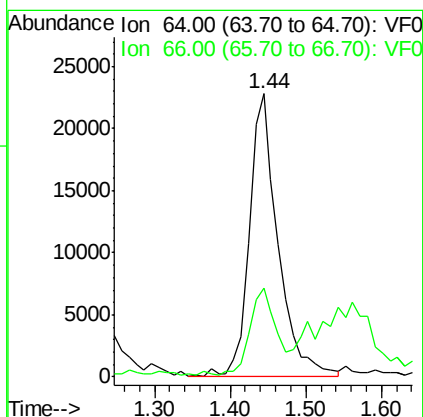
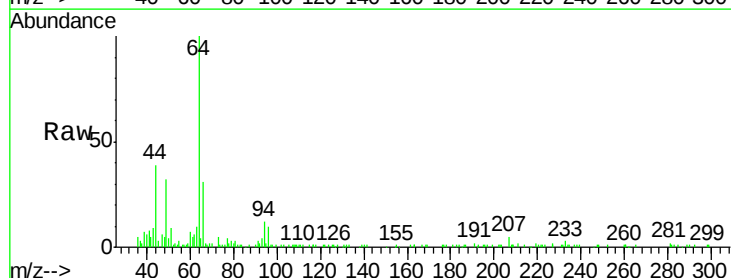
Acq: 15 May 2019 13:31

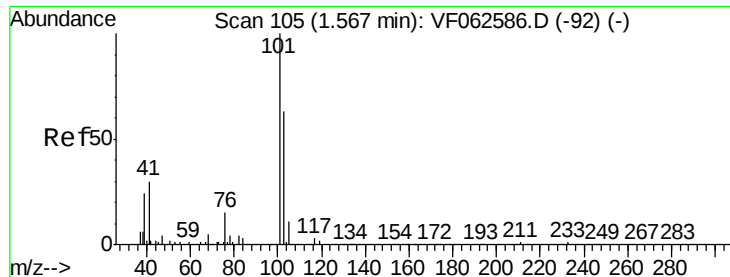
Tgt Ion: 64 Resp: 60341

Ion Ratio Lower Upper

64 100

66 31.3 28.9 43.3



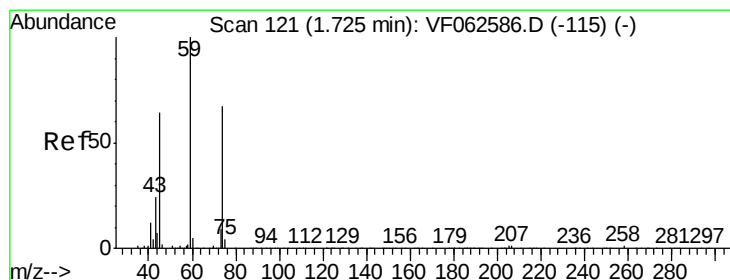
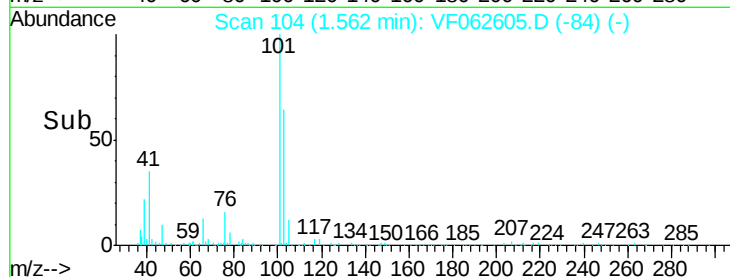
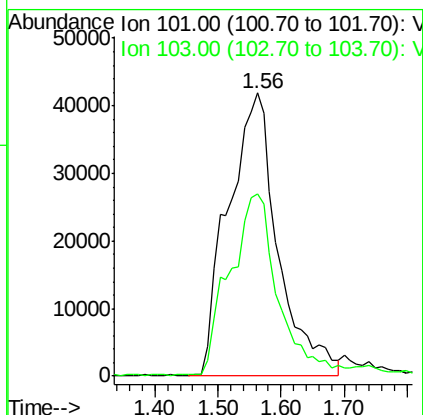
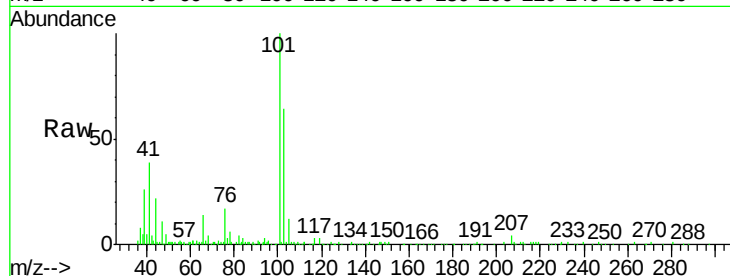


#7

Trichlorofluoromethane
 Concen: 23.077 ug/l
 RT: 1.56 min Scan# 104
 Delta R.T. -0.00 min
 Lab File: VF062605.D
 Acq: 15 May 2019 13:31

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0515SBS01

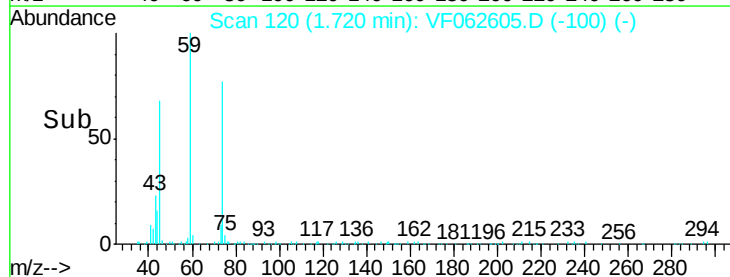
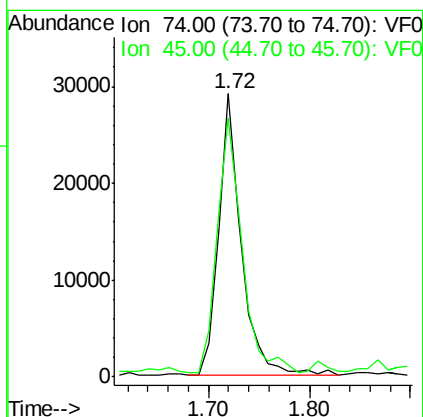
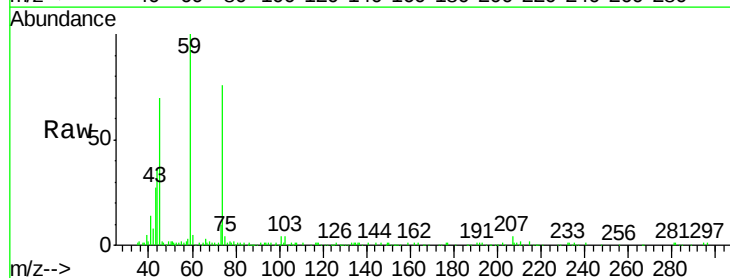
Tot Ion:101 Resp: 231767
 Ion Ratio Lower Upper
 101 100
 103 63.7 50.8 76.2

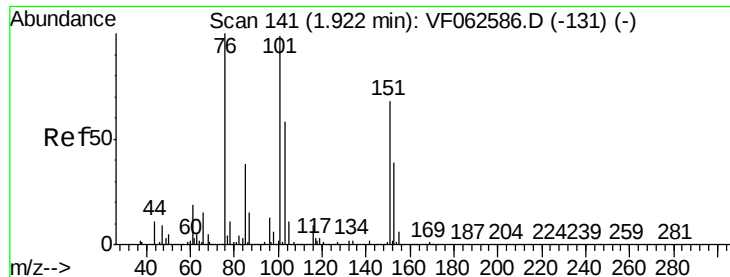


#8

Diethyl Ether
 Concen: 20.508 ug/l
 RT: 1.72 min Scan# 120
 Delta R.T. -0.00 min
 Lab File: VF062605.D
 Acq: 15 May 2019 13:31

Tgt Ion: 74 Resp: 46171
 Ion Ratio Lower Upper
 74 100
 45 91.7 48.6 145.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.922 ug/l

RT: 1.92 min Scan# 140

Delta R.T. -0.00 min

Lab File: VF062605.D

Acq: 15 May 2019 13:31

Instrument :

MSVOA_F

ClientSampleId :

VF0515SBS01

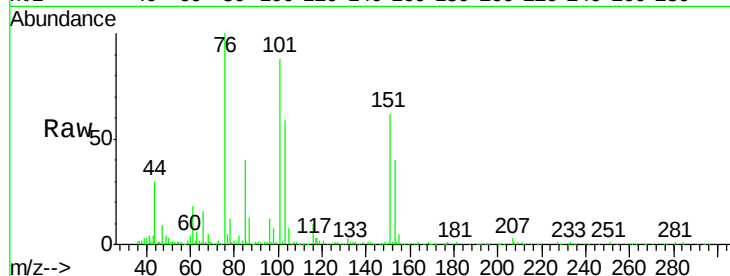
Tot Ion:101 Resp: 150179

Ion Ratio Lower Upper

101 100

85 44.6 30.2 45.4

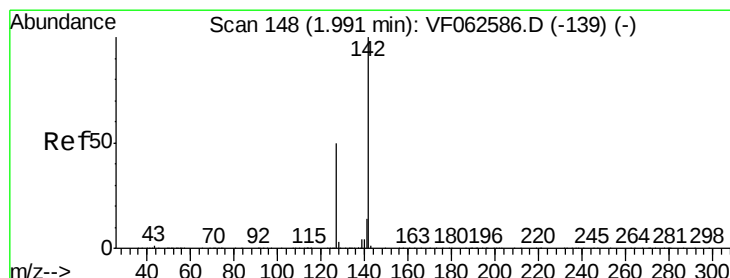
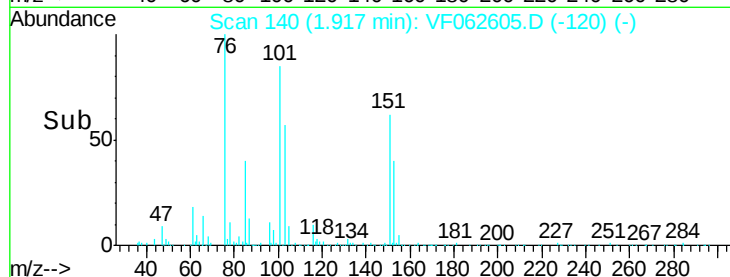
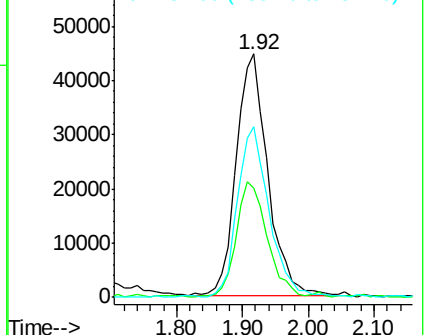
151 69.5 54.5 81.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 22.417 ug/l

RT: 1.98 min Scan# 146

Delta R.T. -0.01 min

Lab File: VF062605.D

Acq: 15 May 2019 13:31

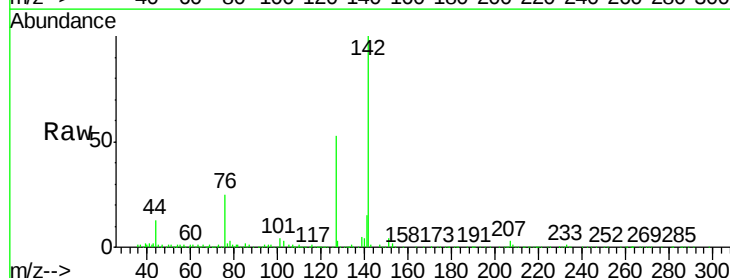
Tgt Ion:142 Resp: 273510

Ion Ratio Lower Upper

142 100

127 53.2 40.2 60.4

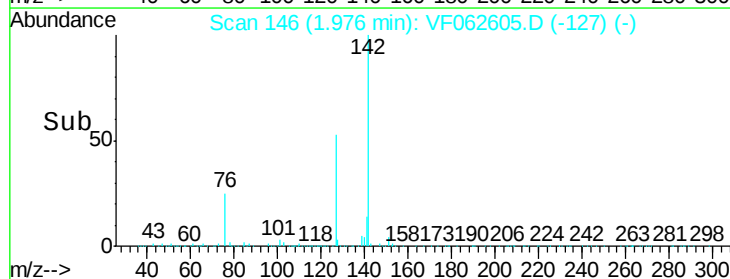
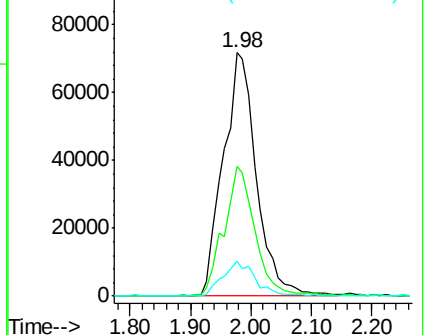
141 14.6 11.6 17.4

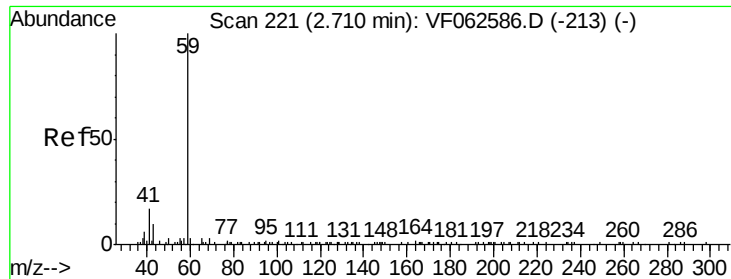


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V

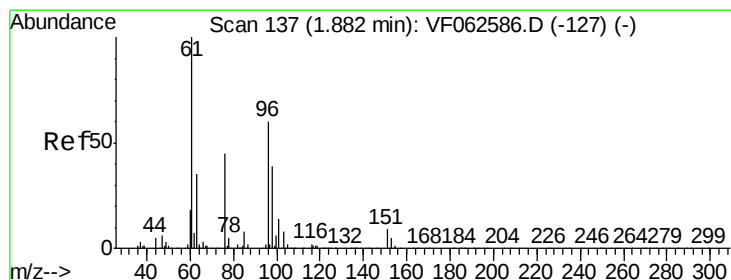
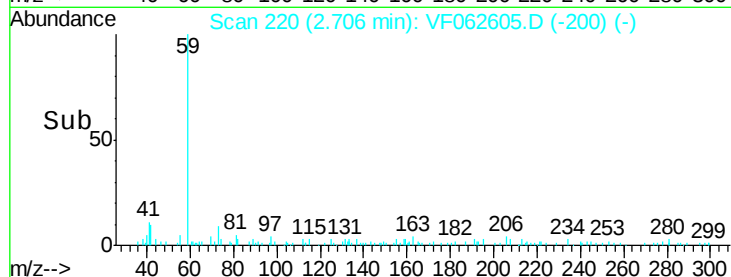
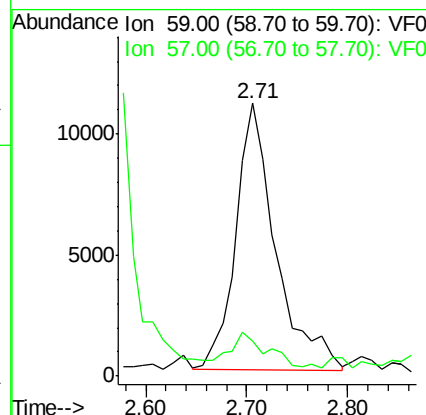
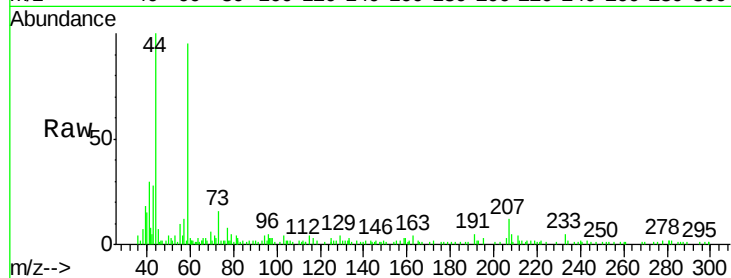




#11
Tert butyl alcohol
Concen: 103.473 ug/l
RT: 2.71 min Scan# 220
Delta R.T. -0.00 min
Lab File: VF062605.D
Acq: 15 May 2019 13:31

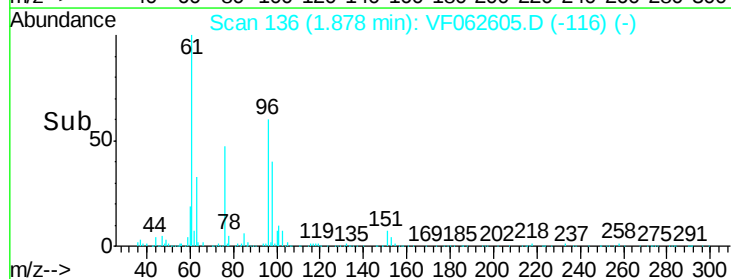
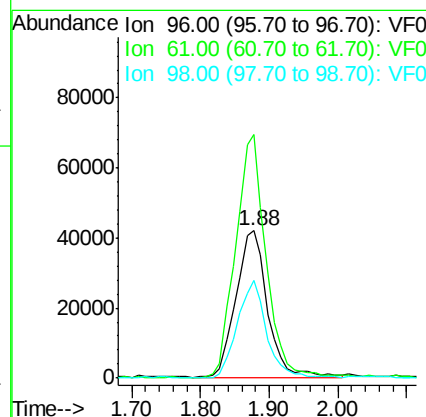
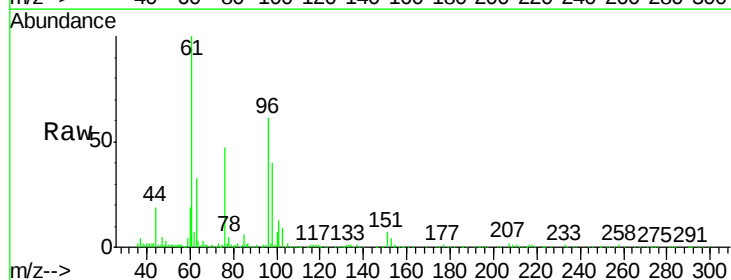
Instrument :
MSVOA_F
ClientSampleId :
VF0515SBS01

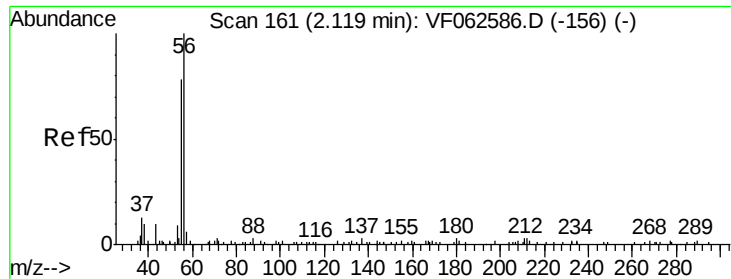
Tot Ion: 59 Resp: 30394
Ion Ratio Lower Upper
59 100
57 12.9 8.0 12.0#



#12
1,1-Dichloroethene
Concen: 22.674 ug/l
RT: 1.88 min Scan# 136
Delta R.T. -0.00 min
Lab File: VF062605.D
Acq: 15 May 2019 13:31

Tgt Ion: 96 Resp: 133062
Ion Ratio Lower Upper
96 100
61 165.1 132.0 198.0
98 66.4 51.3 76.9





#13

Acrolein

Concen: 128.376 ug/l

RT: 2.11 min Scan# 160

Delta R.T. -0.00 min

Lab File: VF062605.D

Acq: 15 May 2019 13:31

Instrument :

MSVOA_F

ClientSampleId :

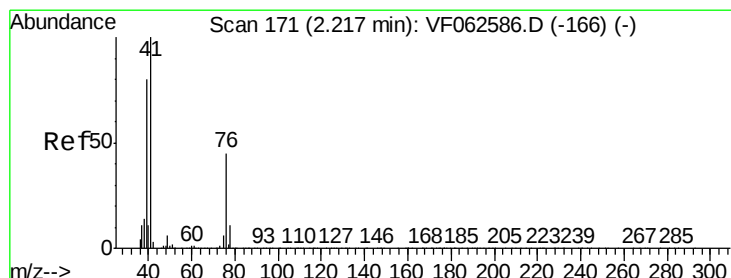
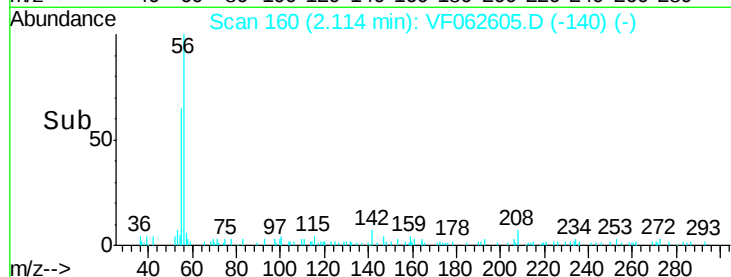
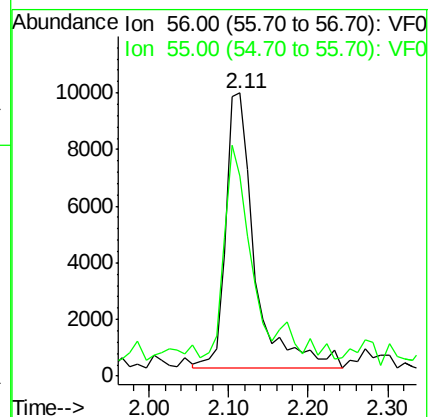
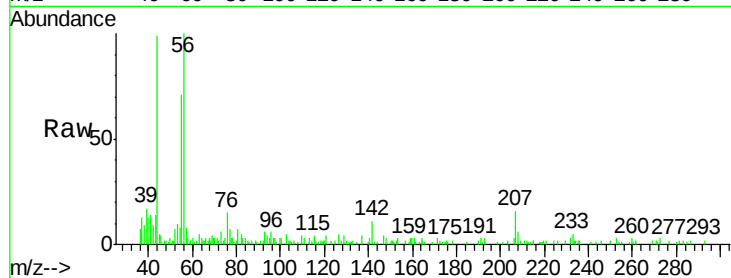
VF0515SBS01

Tot Ion: 56 Resp: 24991

Ion Ratio Lower Upper

56 100

55 70.7 64.6 96.8



#14

Allyl chloride

Concen: 25.574 ug/l

RT: 2.21 min Scan# 170

Delta R.T. -0.00 min

Lab File: VF062605.D

Acq: 15 May 2019 13:31

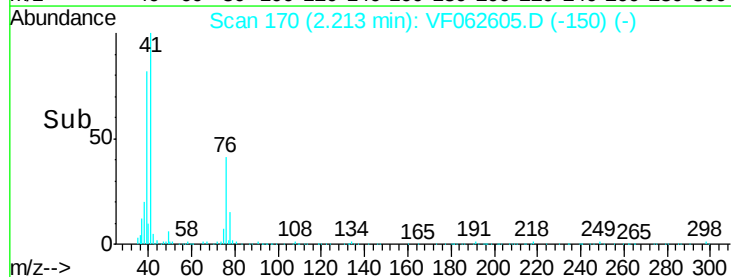
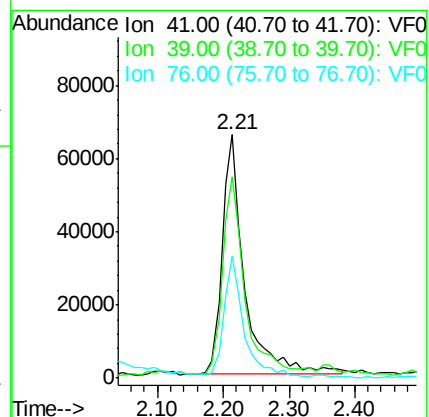
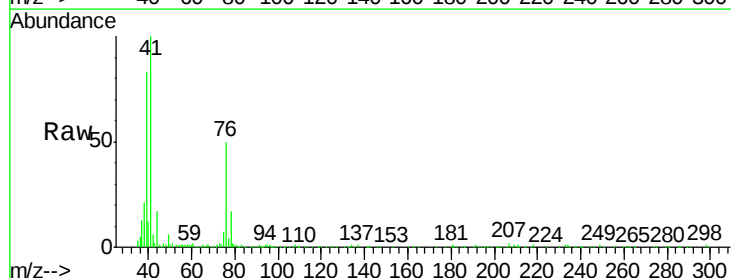
Tgt Ion: 41 Resp: 153567

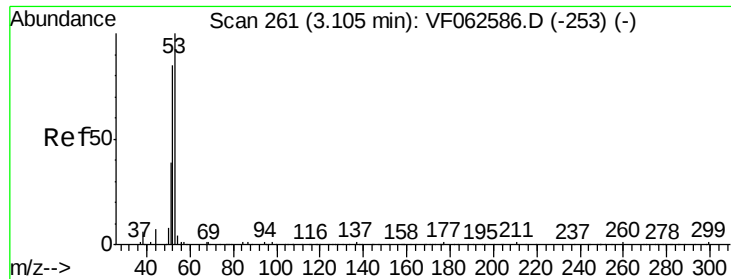
Ion Ratio Lower Upper

41 100

39 82.8 64.6 96.8

76 50.2 36.1 54.1

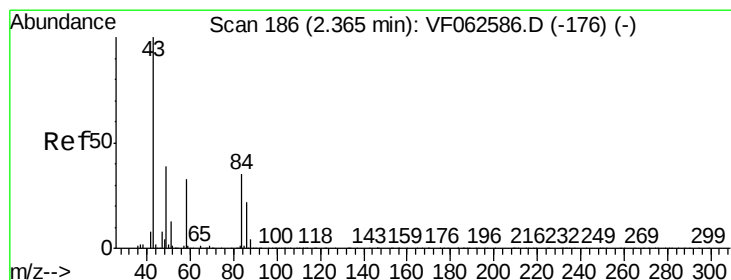
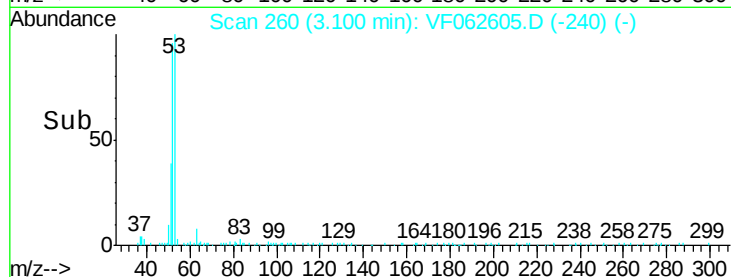
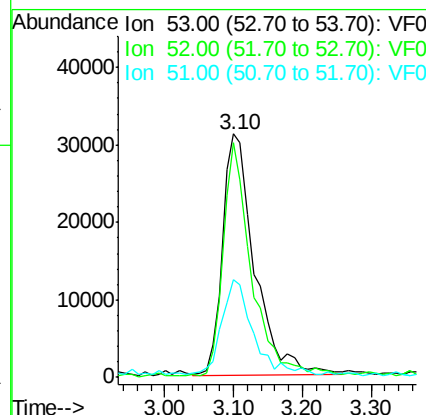
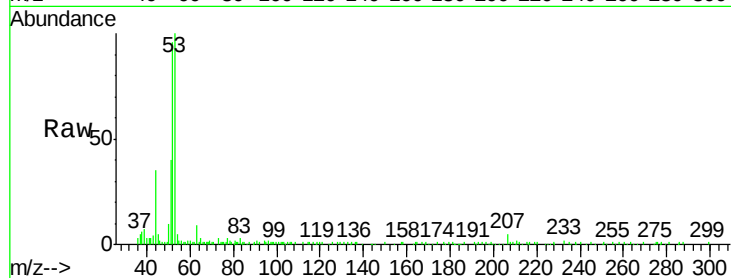




#15
 Acrylonitrile
 Concen: 95.433 ug/l
 RT: 3.10 min Scan# 260
 Delta R.T. -0.00 min
 Lab File: VF062605.D
 Acq: 15 May 2019 13:31

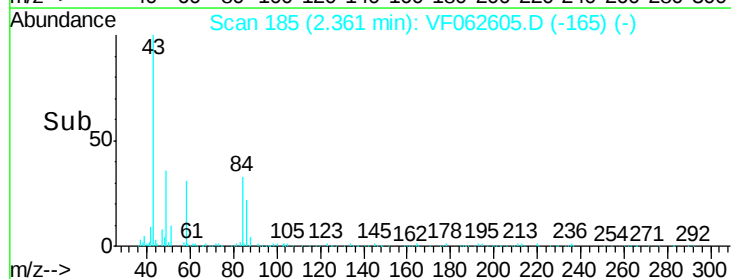
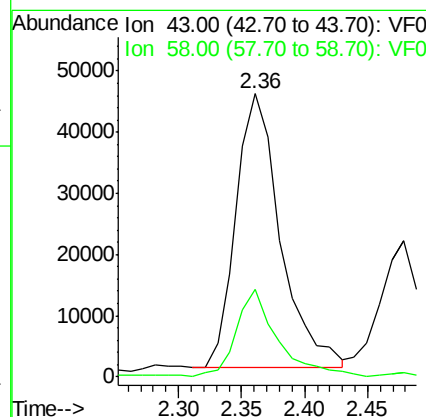
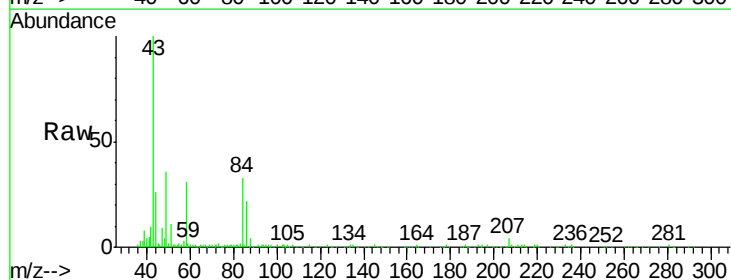
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0515SBS01

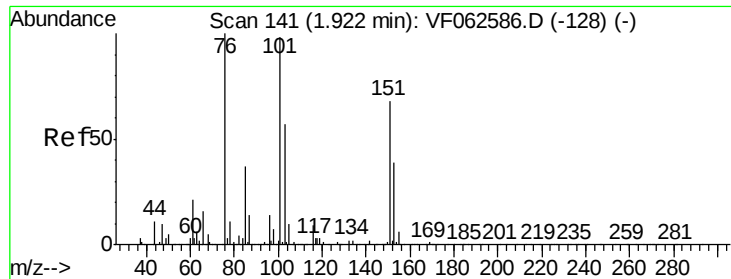
Tot Ion: 53 Resp: 100276
 Ion Ratio Lower Upper
 53 100
 52 96.3 68.3 102.5
 51 40.0 31.5 47.3



#16
 Acetone
 Concen: 110.827 ug/l
 RT: 2.36 min Scan# 185
 Delta R.T. -0.00 min
 Lab File: VF062605.D
 Acq: 15 May 2019 13:31

Tgt Ion: 43 Resp: 109716
 Ion Ratio Lower Upper
 43 100
 58 30.7 26.7 40.1

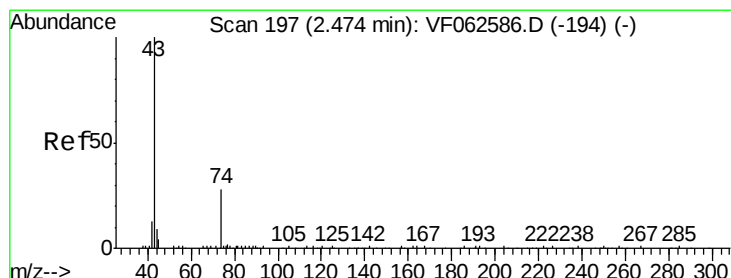
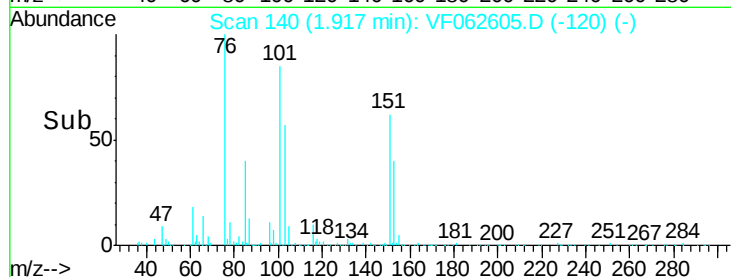
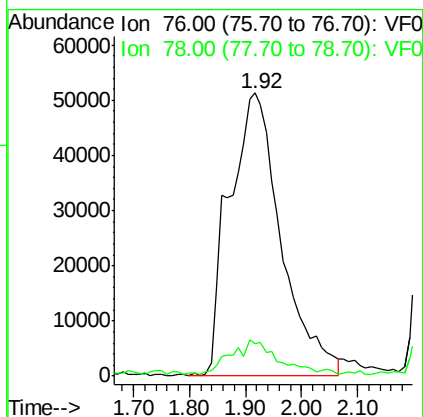
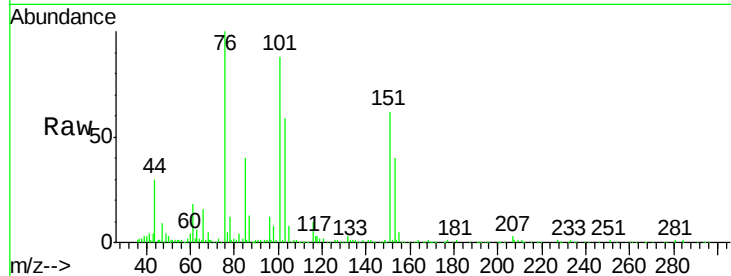




#17
Carbon Disulfide
Concen: 23.545 ug/l
RT: 1.92 min Scan# 140
Delta R.T. -0.00 min
Lab File: VF062605.D
Acq: 15 May 2019 13:31

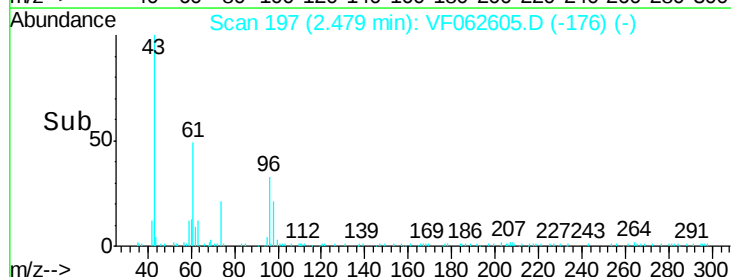
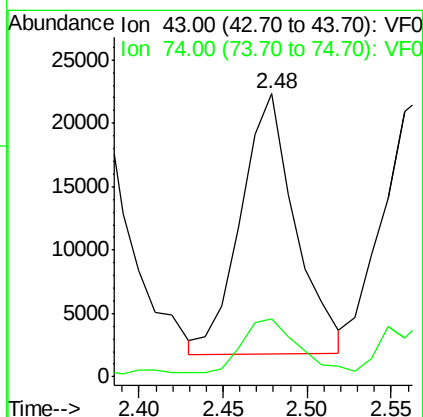
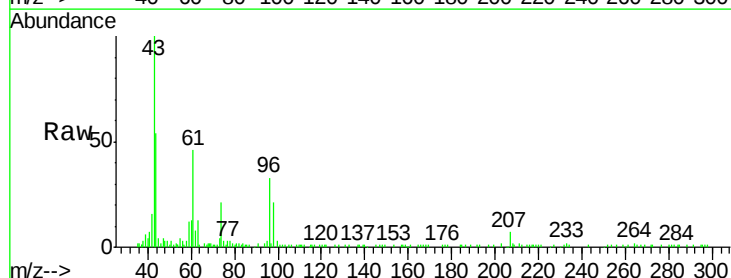
Instrument :
MSVOA_F
ClientSampleId :
VF0515SBS01

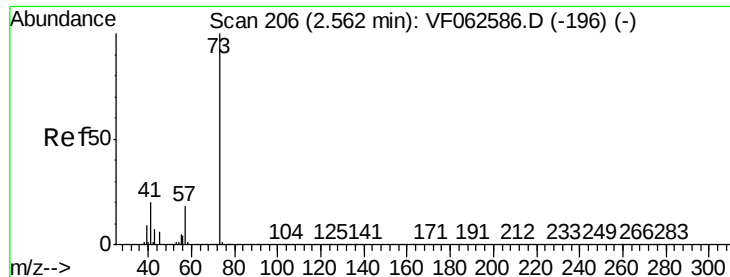
Tot Ion: 76 Resp: 328649
Ion Ratio Lower Upper
76 100
78 11.6 9.0 13.4



#18
Methyl Acetate
Concen: 18.740 ug/l
RT: 2.48 min Scan# 197
Delta R.T. 0.01 min
Lab File: VF062605.D
Acq: 15 May 2019 13:31

Tgt Ion: 43 Resp: 46166
Ion Ratio Lower Upper
43 100
74 20.5 21.4 32.0#



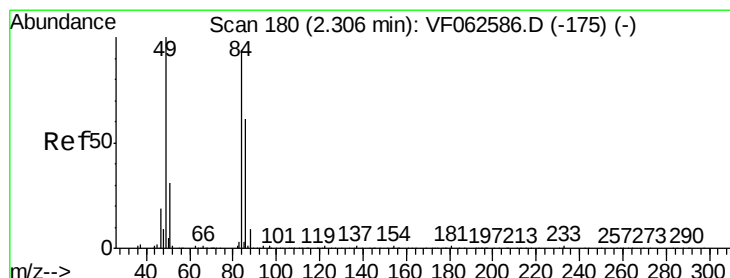
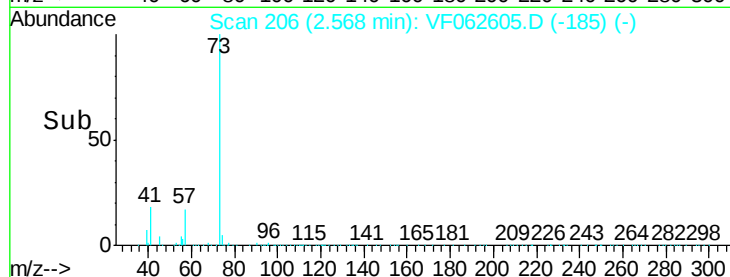
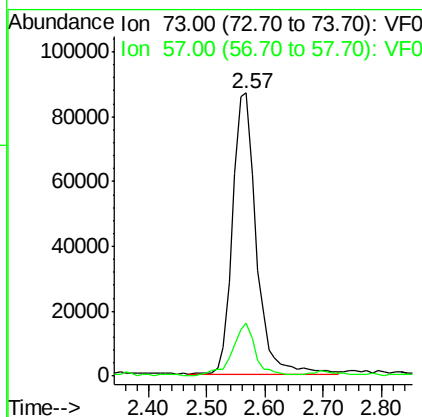
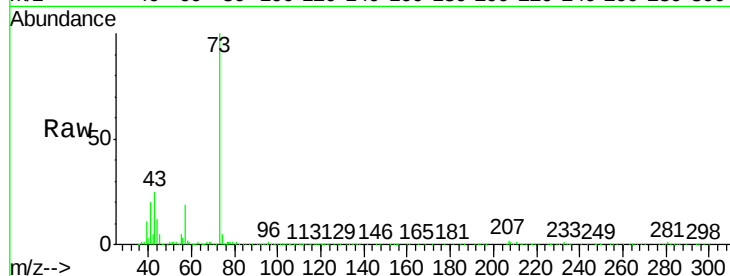


#19

Methyl tert-butyl Ether
 Concen: 23.750 ug/l
 RT: 2.57 min Scan# 206
 Delta R.T. 0.01 min
 Lab File: VF062605.D
 Acq: 15 May 2019 13:31

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0515SBS01

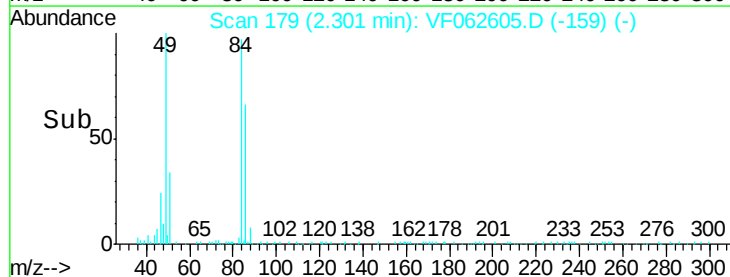
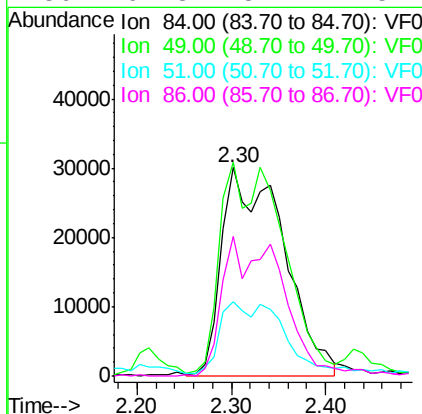
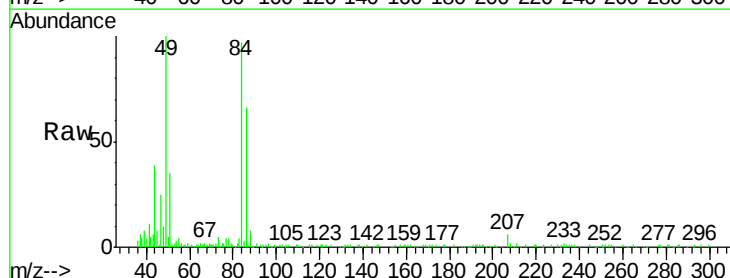
Tot Ion: 73 Resp: 248151
 Ion Ratio Lower Upper
 73 100
 57 18.6 14.6 22.0

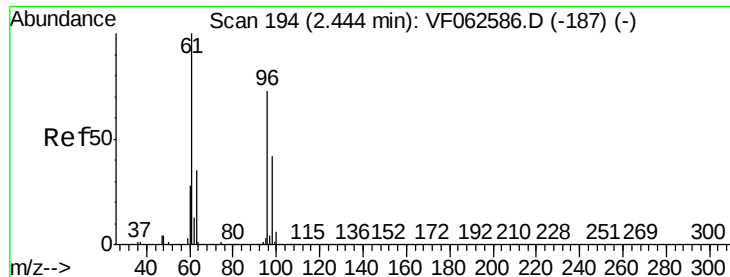


#20

Methylene Chloride
 Concen: 19.457 ug/l m
 RT: 2.30 min Scan# 179
 Delta R.T. -0.00 min
 Lab File: VF062605.D
 Acq: 15 May 2019 13:31

Tgt Ion: 84 Resp: 136322
 Ion Ratio Lower Upper
 84 100
 49 102.6 86.9 130.3
 51 35.7 27.0 40.6
 86 67.3 52.2 78.2





#21

trans-1,2-Dichloroethene

Concen: 21.404 ug/l

RT: 2.44 min Scan# 193

Delta R.T. -0.00 min

Lab File: VF062605.D

Acq: 15 May 2019 13:31

Instrument :

MSVOA_F

ClientSampleId :

VF0515SBS01

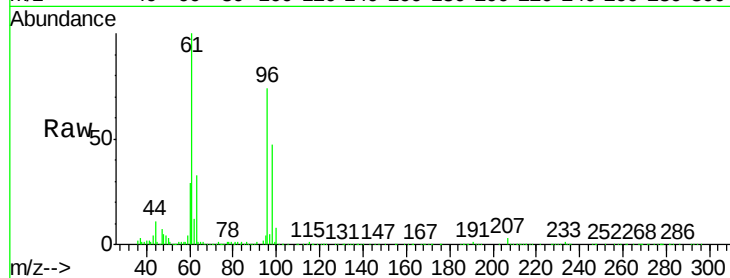
Tot Ion: 96 Resp: 126587

Ion Ratio Lower Upper

96 100

61 134.5 109.2 163.8

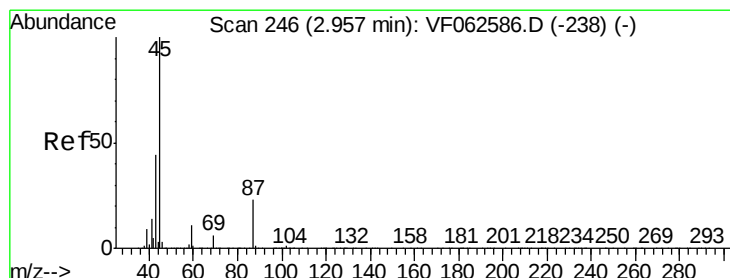
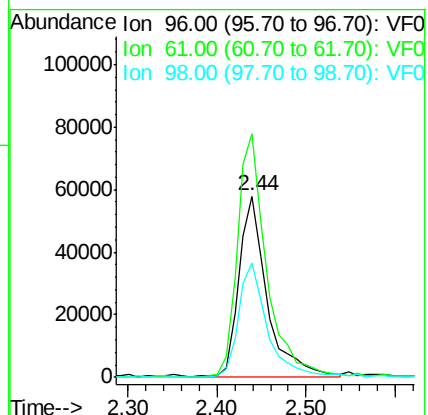
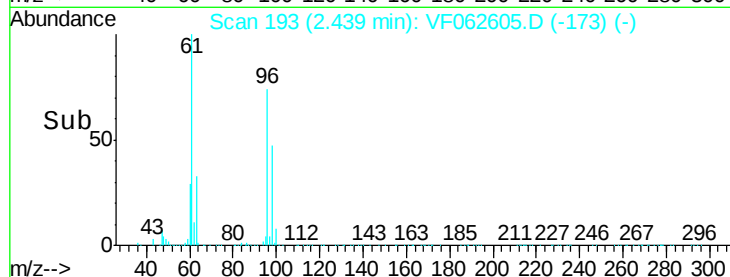
98 63.4 46.3 69.5



Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#22

Diisopropyl ether

Concen: 22.213 ug/l

RT: 2.95 min Scan# 245

Delta R.T. -0.00 min

Lab File: VF062605.D

Acq: 15 May 2019 13:31

Tgt Ion: 45 Resp: 310129

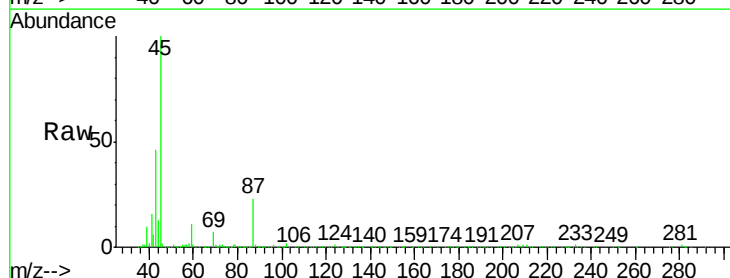
Ion Ratio Lower Upper

45 100

43 45.5 35.4 53.0

87 23.2 18.4 27.6

59 10.8 8.9 13.3

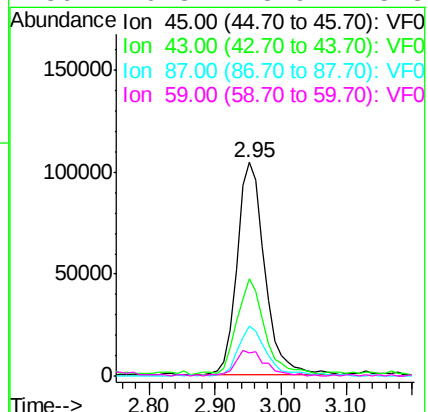
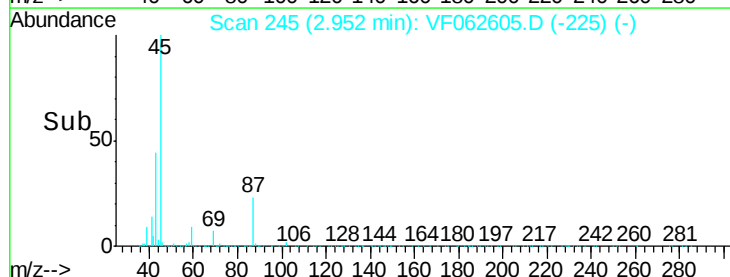


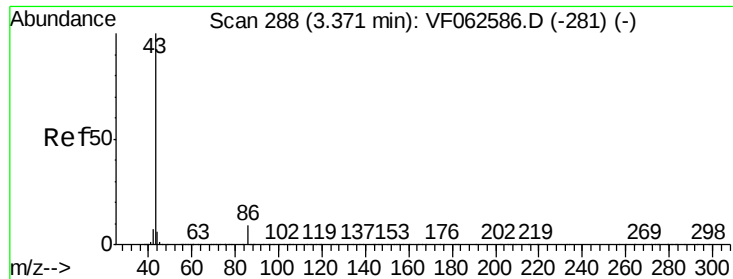
Abundance Ion 45.00 (44.70 to 45.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

Ion 59.00 (58.70 to 59.70): VF0

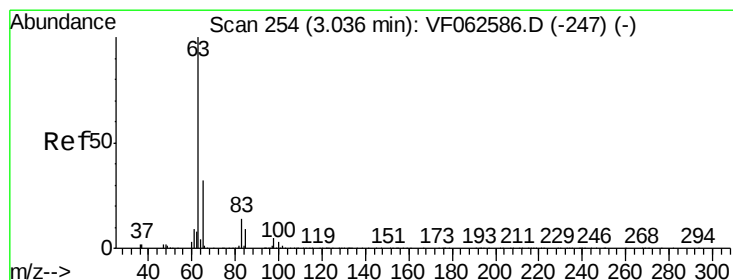
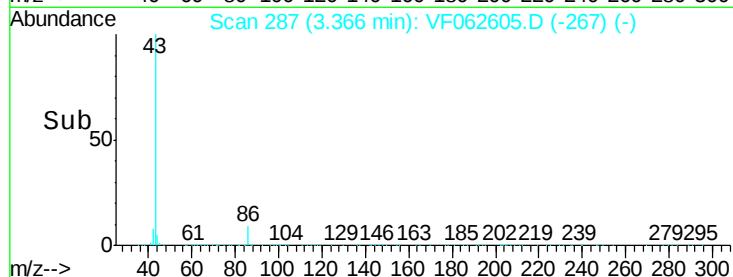
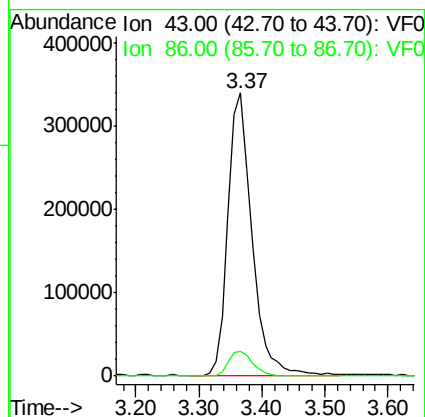
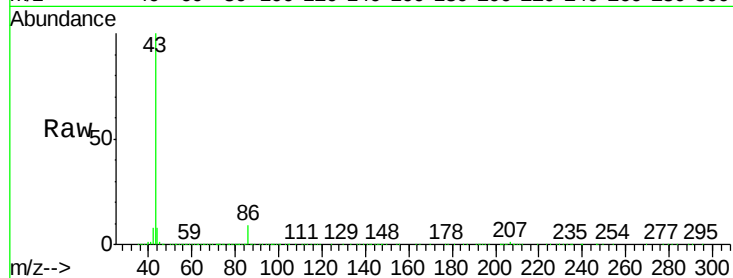




#23
 Vinyl Acetate
 Concen: 116.955 ug/l
 RT: 3.37 min Scan# 287
 Delta R.T. -0.00 min
 Lab File: VF062605.D
 Acq: 15 May 2019 13:31

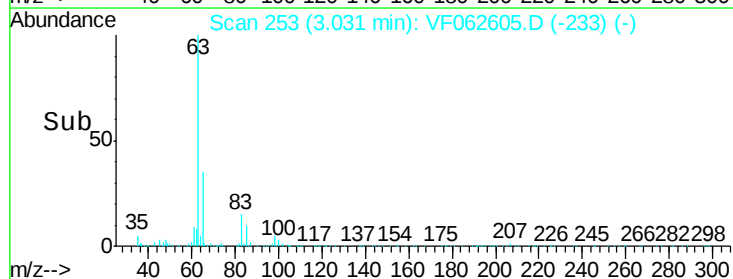
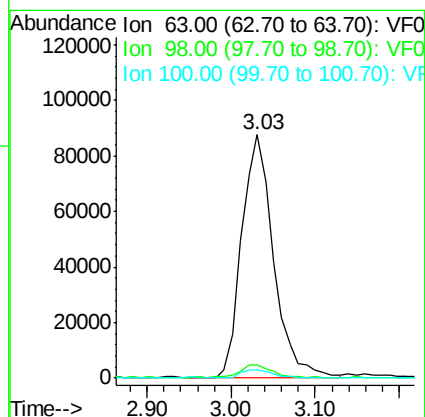
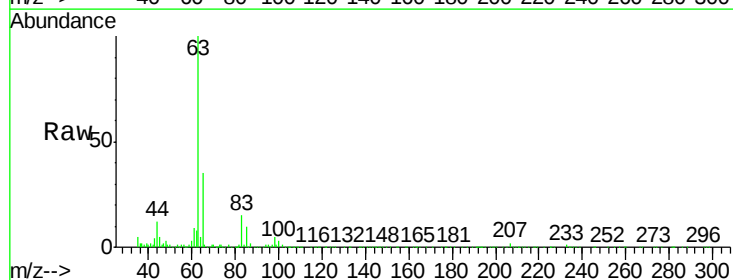
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0515SBS01

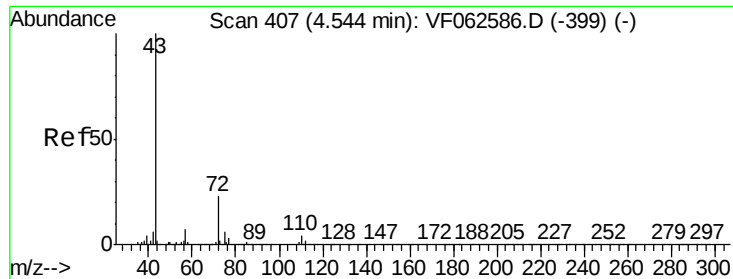
Tot Ion: 43 Resp: 893139
 Ion Ratio Lower Upper
 43 100
 86 8.8 7.1 10.7



#24
 1,1-Dichloroethane
 Concen: 21.886 ug/l
 RT: 3.03 min Scan# 253
 Delta R.T. -0.00 min
 Lab File: VF062605.D
 Acq: 15 May 2019 13:31

Tgt Ion: 63 Resp: 232608
 Ion Ratio Lower Upper
 63 100
 98 5.4 2.6 7.8
 100 3.4 1.7 5.1

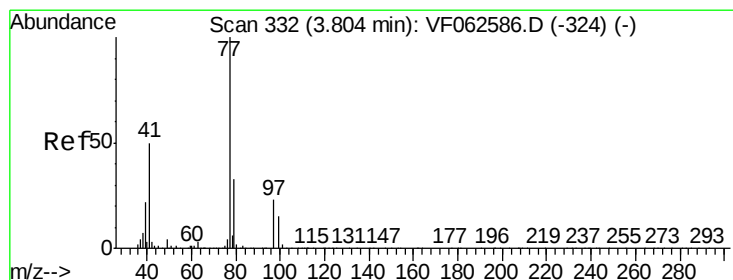
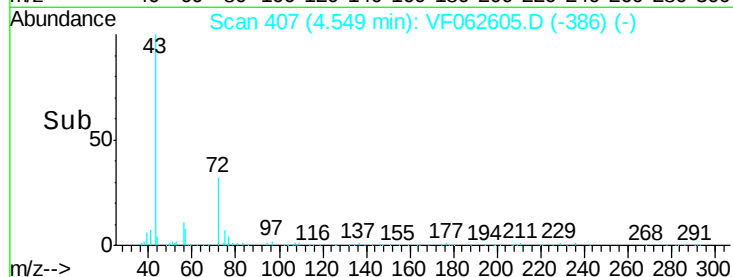
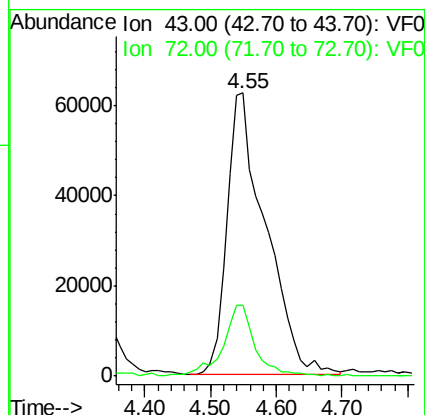
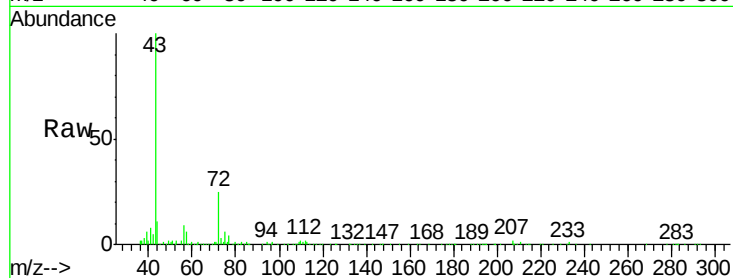




#25
2-Butanone
Concen: 114.486 ug/l
RT: 4.55 min Scan# 407
Delta R.T. 0.01 min
Lab File: VF062605.D
Acq: 15 May 2019 13:31

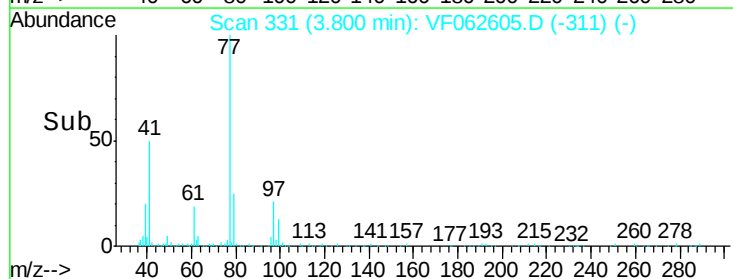
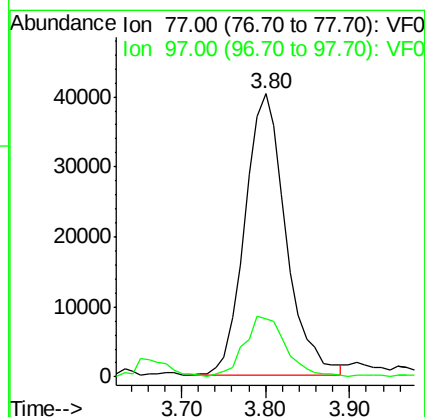
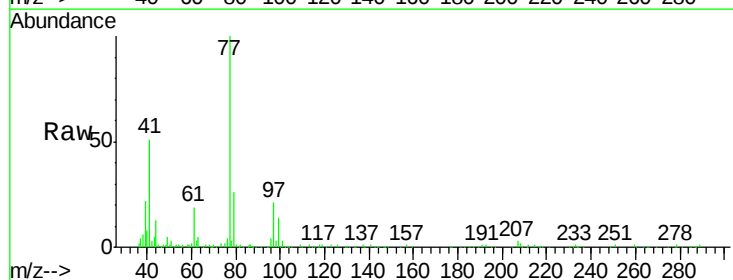
Instrument :
MSVOA_F
ClientSampleId :
VF0515SBS01

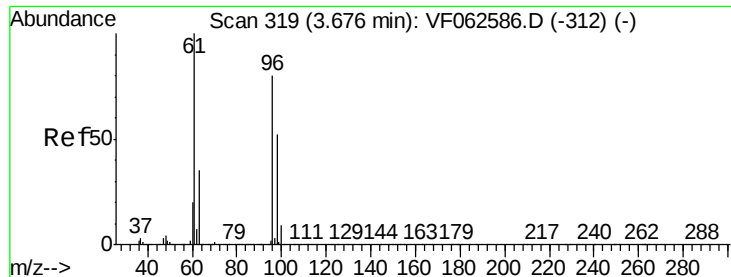
Tot Ion: 43 Resp: 256233
Ion Ratio Lower Upper
43 100
72 25.1 18.5 27.7



#26
2,2-Dichloropropane
Concen: 23.865 ug/l
RT: 3.80 min Scan# 331
Delta R.T. -0.00 min
Lab File: VF062605.D
Acq: 15 May 2019 13:31

Tgt Ion: 77 Resp: 136888
Ion Ratio Lower Upper
77 100
97 20.6 12.0 36.0



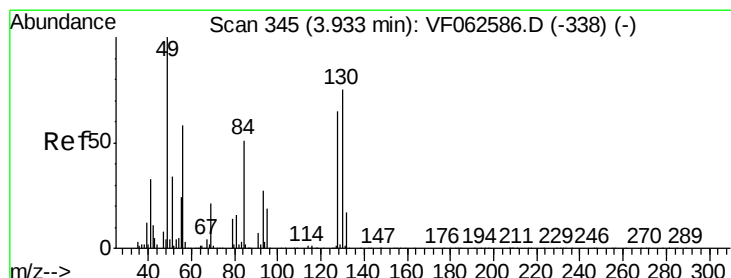
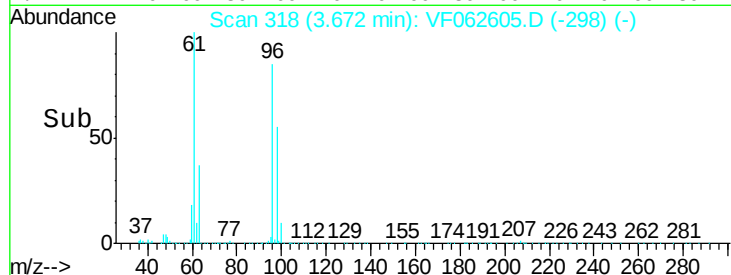
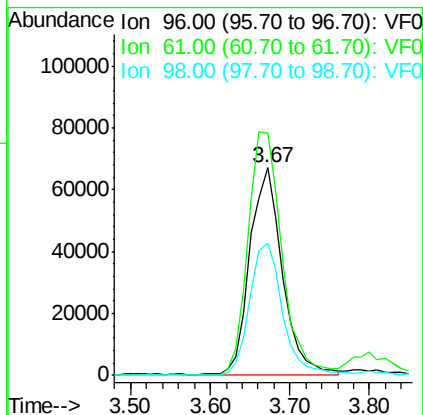
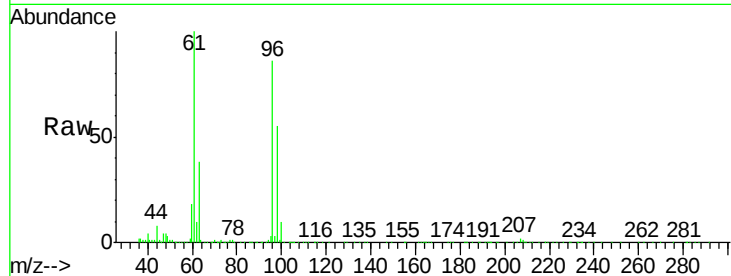


#27

cis-1,2-Dichloroethene
Concen: 22.502 ug/l
RT: 3.67 min Scan# 318
Delta R.T. -0.00 min
Lab File: VF062605.D
Acq: 15 May 2019 13:31

Instrument :
MSVOA_F
ClientSampleId :
VF0515SBS01

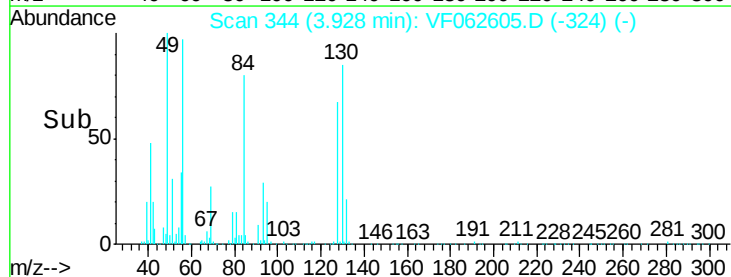
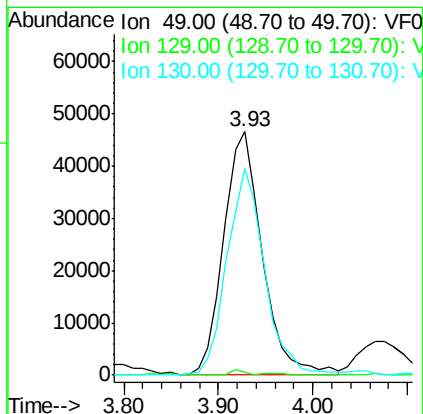
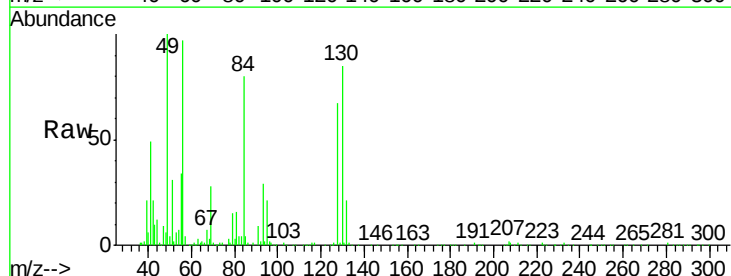
Tot Ion	96	Resp	188016
Ion	Ratio	Lower	Upper
96	100		
61	116.7	0.0	251.4
98	63.7	0.0	129.8

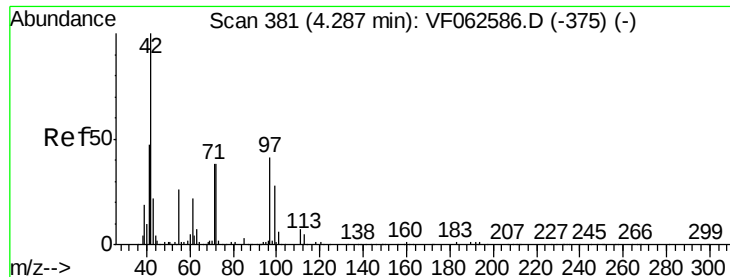


#28

Bromochloromethane
Concen: 21.868 ug/l
RT: 3.93 min Scan# 344
Delta R.T. -0.00 min
Lab File: VF062605.D
Acq: 15 May 2019 13:31

Tgt Ion	49	Resp	130646
Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	4.0
130	84.9	59.7	89.5





#29

Tetrahydrofuran

Concen: 102.317 ug/l

RT: 4.29 min Scan# 381

Delta R.T. 0.01 min

Lab File: VF062605.D

Acq: 15 May 2019 13:31

Instrument :

MSVOA_F

ClientSampleId :

VF0515SBS01

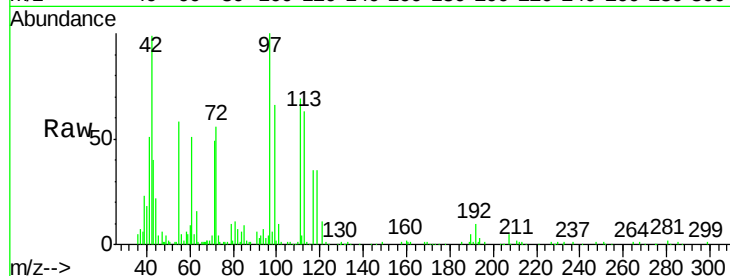
Tot Ion: 42 Resp: 96905

Ion Ratio Lower Upper

42 100

72 48.4 34.0 51.0

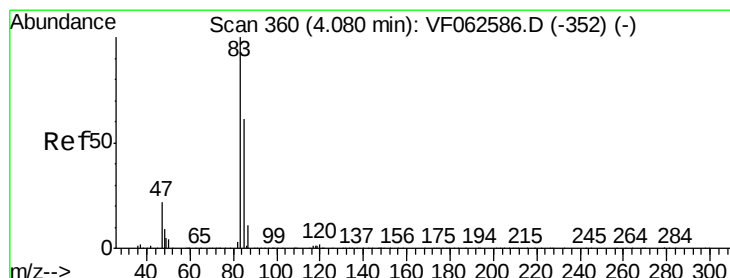
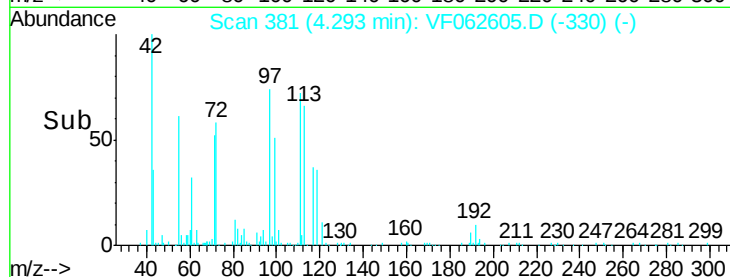
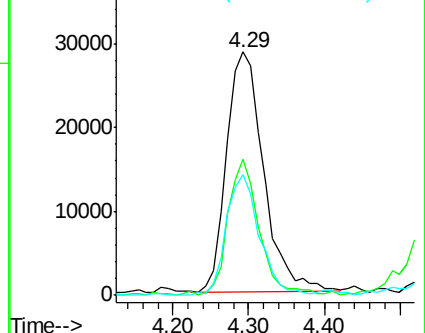
71 45.2 32.8 49.2



Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0



#30

Chloroform

Concen: 22.119 ug/l

RT: 4.08 min Scan# 359

Delta R.T. -0.00 min

Lab File: VF062605.D

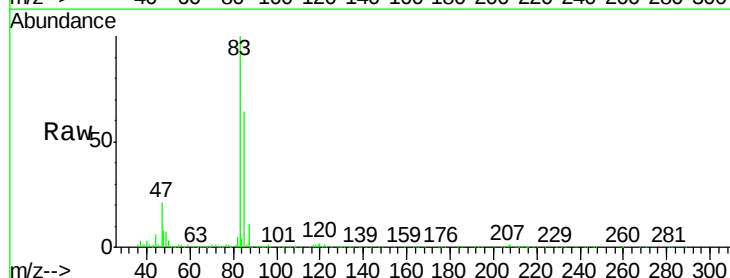
Acq: 15 May 2019 13:31

Tgt Ion: 83 Resp: 282095

Ion Ratio Lower Upper

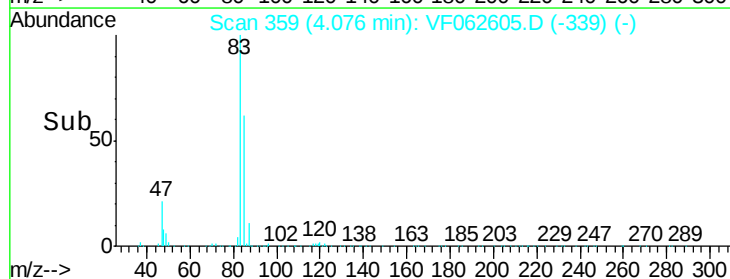
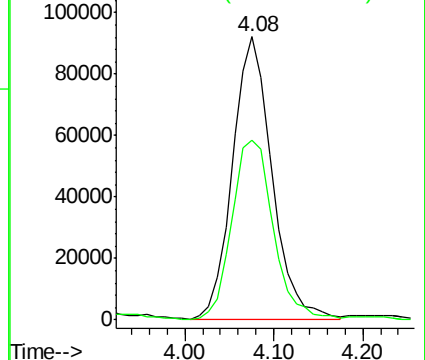
83 100

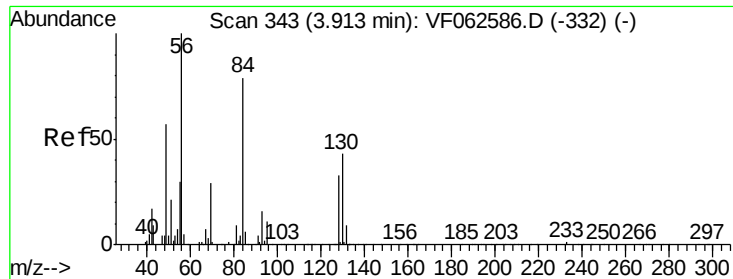
85 63.6 48.7 73.1



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

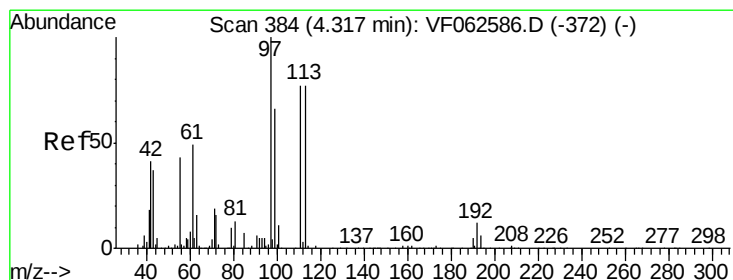
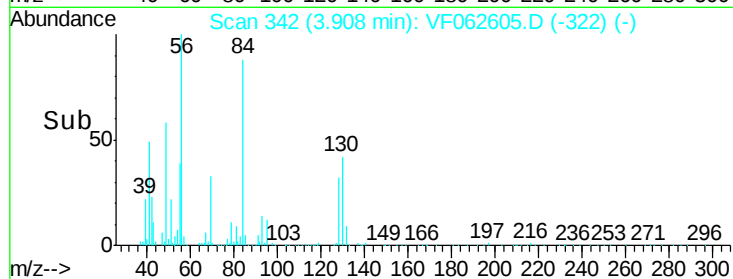
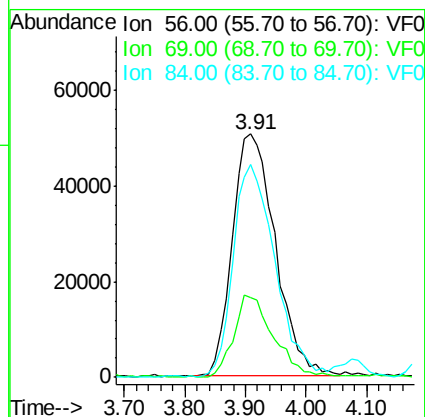
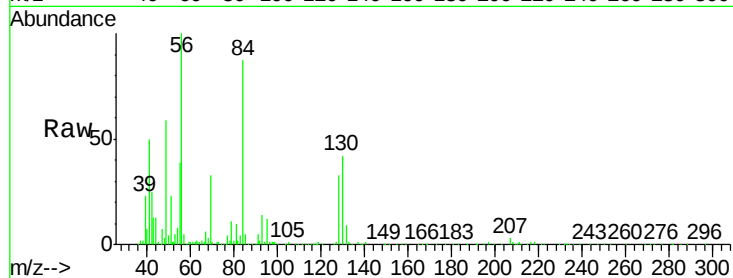




#31
Cyclohexane
Concen: 22.654 ug/l
RT: 3.91 min Scan# 342
Delta R.T. -0.00 min
Lab File: VF062605.D
Acq: 15 May 2019 13:31

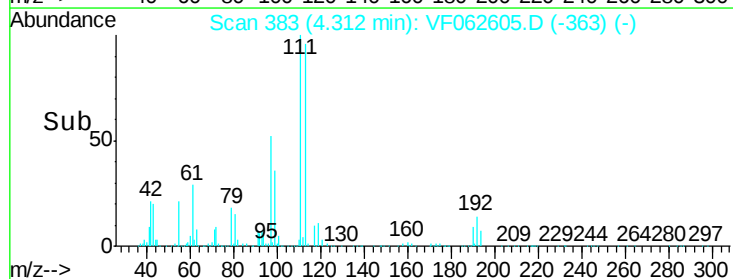
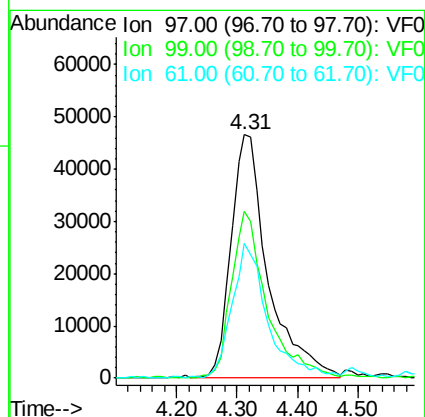
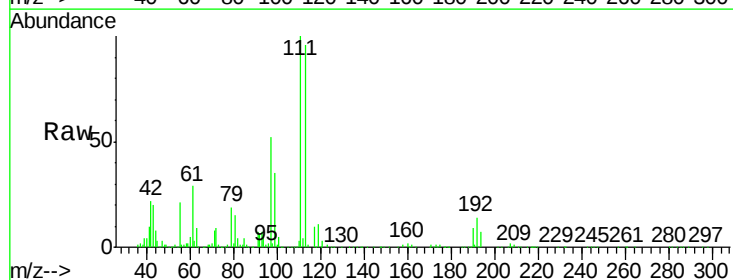
Instrument :
MSVOA_F
ClientSampleId :
VF0515SBS01

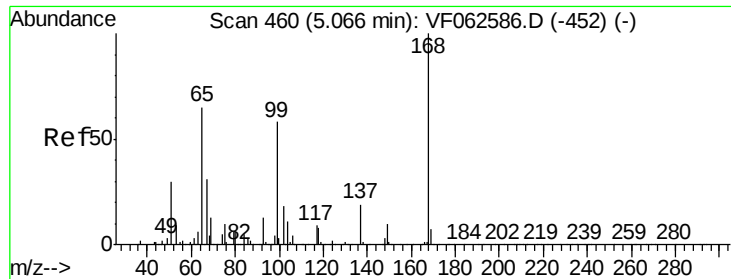
Tot Ion	56	Resp	250945
Ion Ratio	Lower	Upper	
56	100		
69	32.8	22.9	34.3
84	87.2	63.4	95.2



#32
1,1,1-Trichloroethane
Concen: 23.090 ug/l
RT: 4.31 min Scan# 383
Delta R.T. -0.00 min
Lab File: VF062605.D
Acq: 15 May 2019 13:31

Tgt Ion	97	Resp	198488
Ion Ratio	Lower	Upper	
97	100		
99	68.6	53.4	80.0
61	55.6	38.9	58.3





#33

1,2-Dichloroethane-d4

Concen: 45.032 ug/l

RT: 5.05 min Scan# 458

Delta R.T. -0.01 min

Lab File: VF062605.D

Acq: 15 May 2019 13:31

Instrument :

MSVOA_F

ClientSampleId :

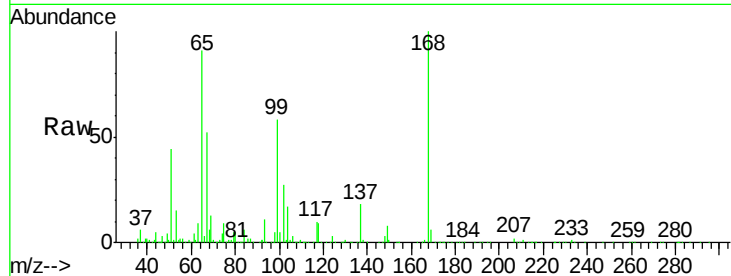
VF0515SBS01

Tot Ion: 65 Resp: 219700

Ion Ratio Lower Upper

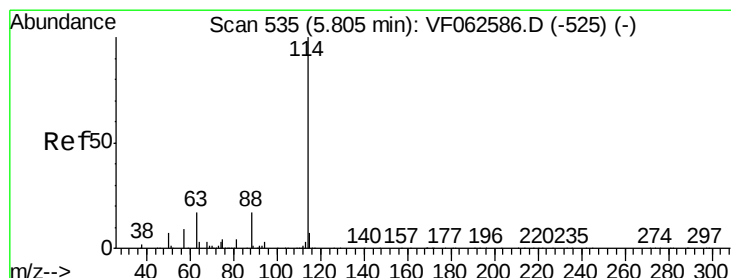
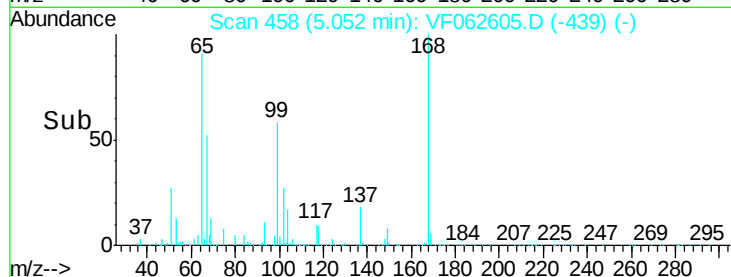
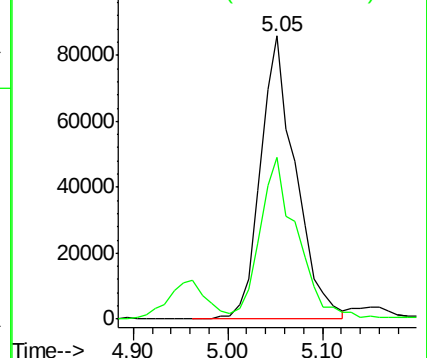
65 100

67 57.2 0.0 116.6



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.79 min Scan# 533

Delta R.T. -0.01 min

Lab File: VF062605.D

Acq: 15 May 2019 13:31

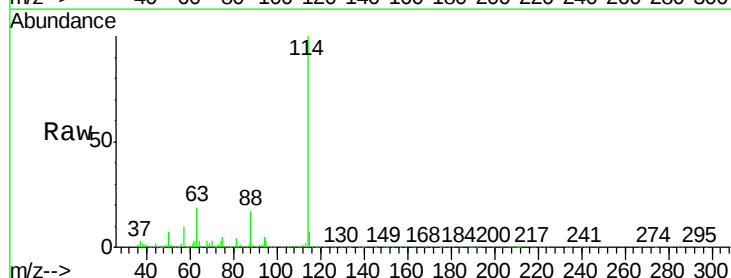
Tgt Ion:114 Resp: 1156272

Ion Ratio Lower Upper

114 100

63 18.9 0.0 34.6

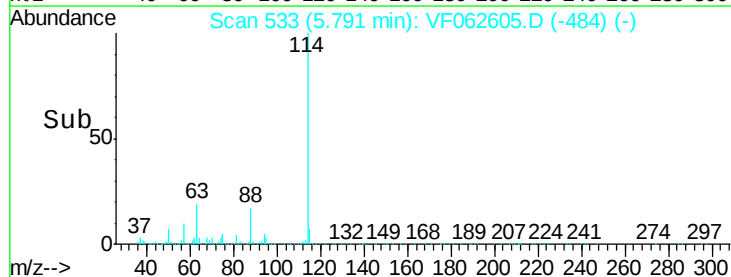
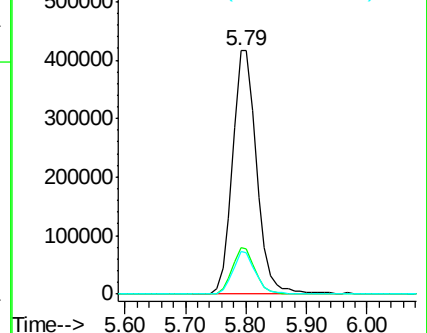
88 17.3 0.0 33.6

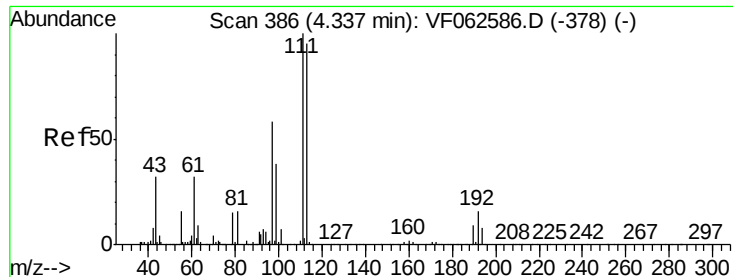


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





#35

Dibromofluoromethane

Concen: 47.634 ug/l

RT: 4.33 min Scan# 385

Delta R.T. -0.00 min

Lab File: VF062605.D

Acq: 15 May 2019 13:31

Instrument :

MSVOA_F

ClientSampleId :

VF0515SBS01

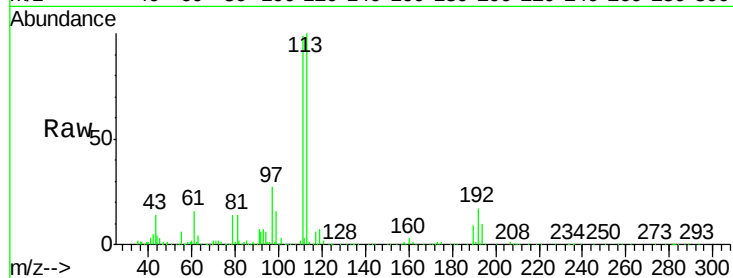
Tot Ion:113 Resp: 409928

Ion Ratio Lower Upper

113 100

111 99.1 83.9 125.9

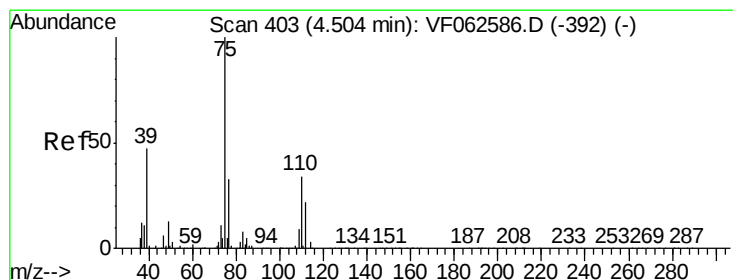
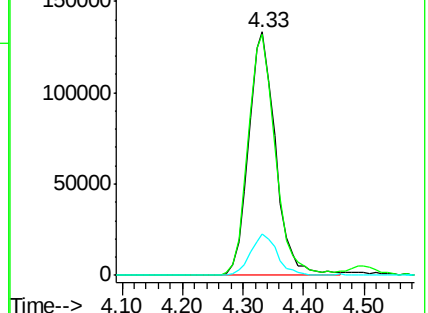
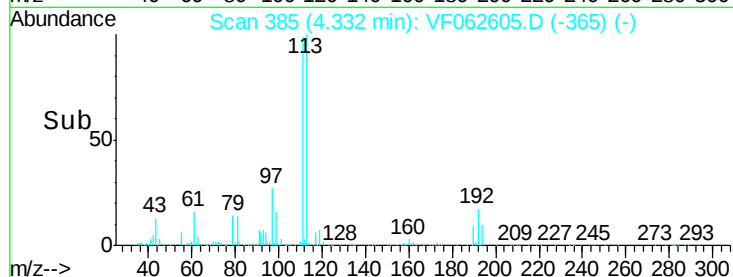
192 16.8 13.7 20.5



Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#36

1,1-Dichloropropene

Concen: 20.821 ug/l

RT: 4.50 min Scan# 402

Delta R.T. -0.00 min

Lab File: VF062605.D

Acq: 15 May 2019 13:31

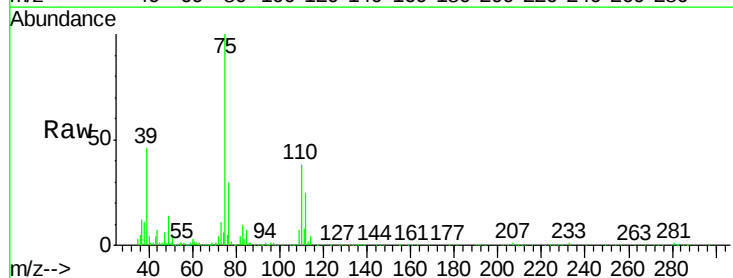
Tgt Ion: 75 Resp: 208321

Ion Ratio Lower Upper

75 100

110 37.6 17.3 51.7

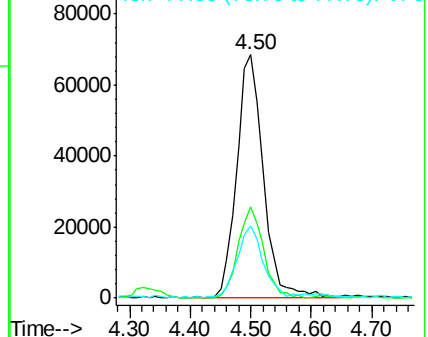
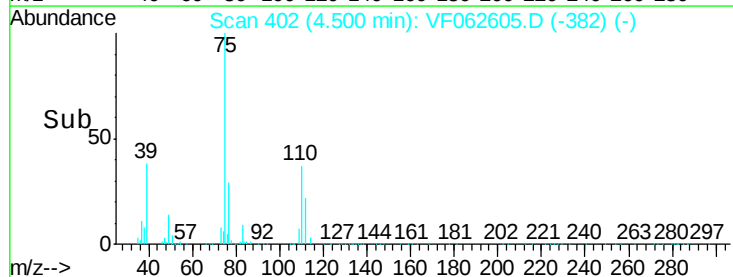
77 29.8 26.4 39.6

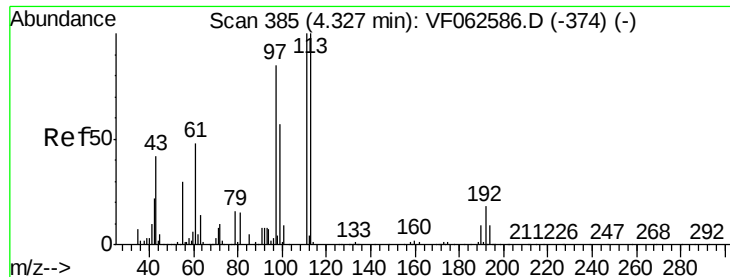


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0

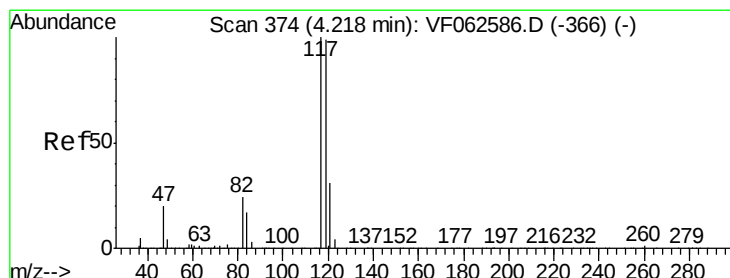
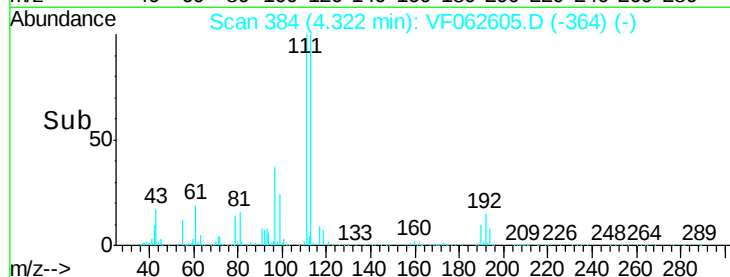
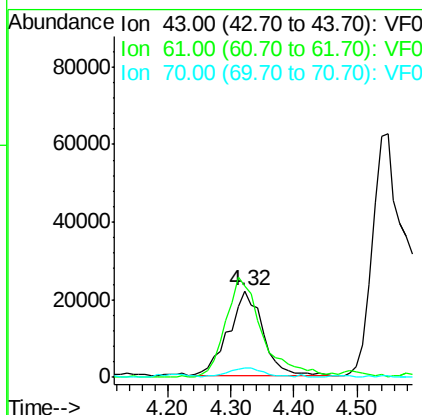
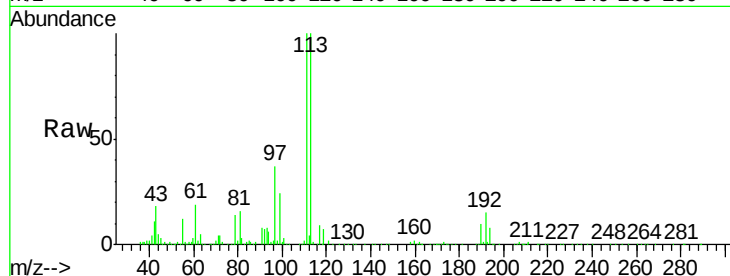




#37
Ethyl Acetate
Concen: 20.293 ug/l
RT: 4.32 min Scan# 384
Delta R.T. -0.00 min
Lab File: VF062605.D
Acq: 15 May 2019 13:31

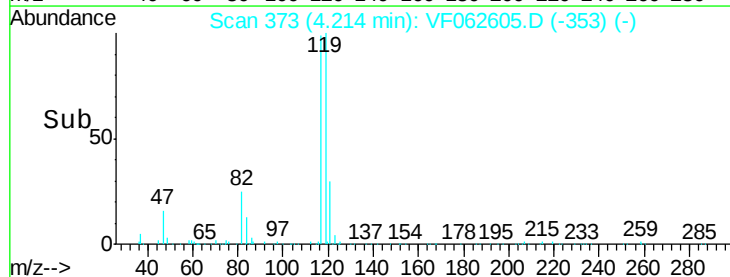
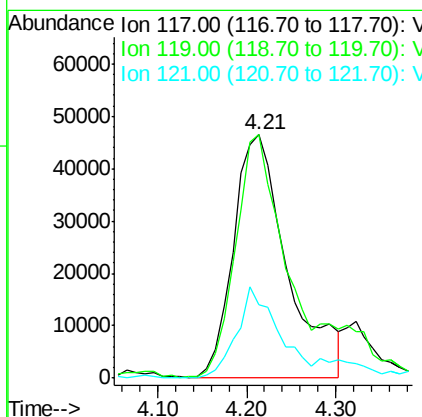
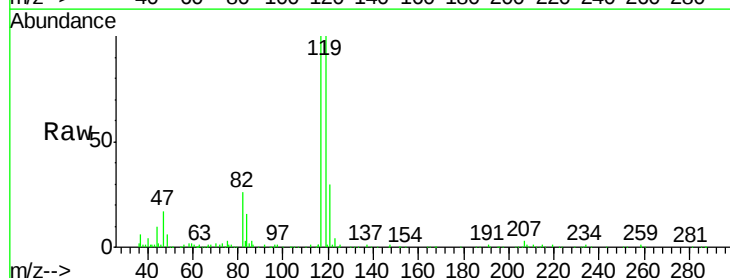
Instrument :
MSVOA_F
ClientSampleId :
VF0515SBS01

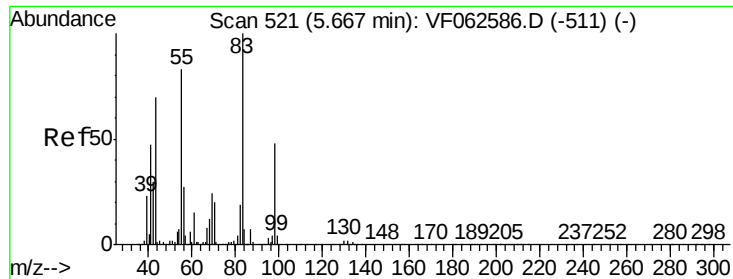
Tot Ion: 43 Resp: 83436
Ion Ratio Lower Upper
43 100
61 105.7 88.6 132.8
70 11.5 8.3 12.5



#38
Carbon Tetrachloride
Concen: 23.776 ug/l
RT: 4.21 min Scan# 373
Delta R.T. -0.00 min
Lab File: VF062605.D
Acq: 15 May 2019 13:31

Tgt Ion: 117 Resp: 195145
Ion Ratio Lower Upper
117 100
119 100.2 79.0 118.6
121 30.3 25.0 37.6

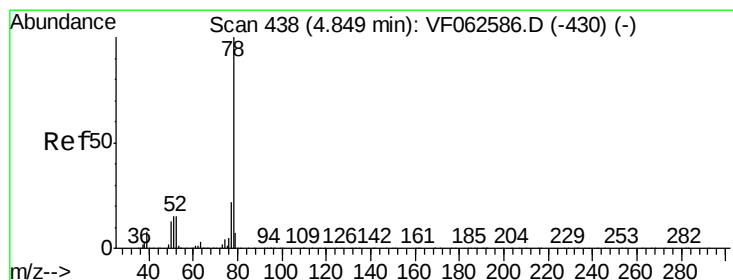
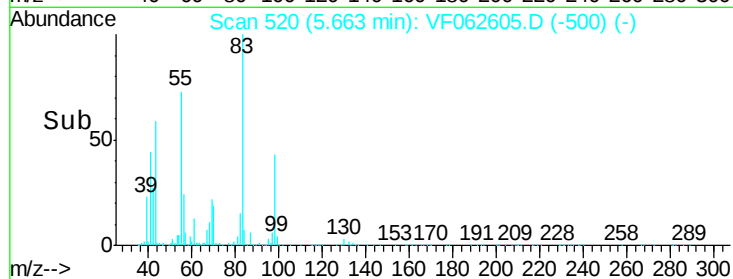
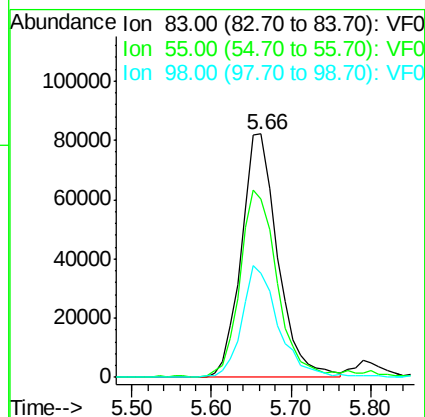
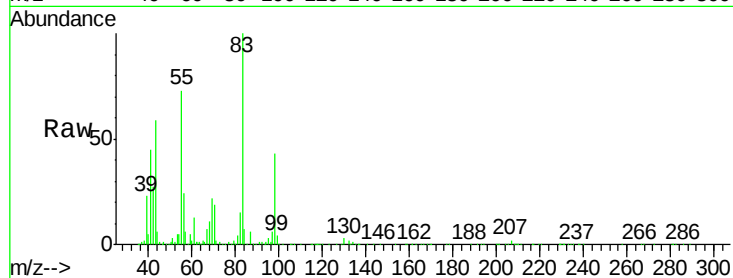




#39
Methvlcvclohexane
Concen: 22.272 ug/l
RT: 5.66 min Scan# 520
Delta R.T. -0.00 min
Lab File: VF062605.D
Acq: 15 May 2019 13:31

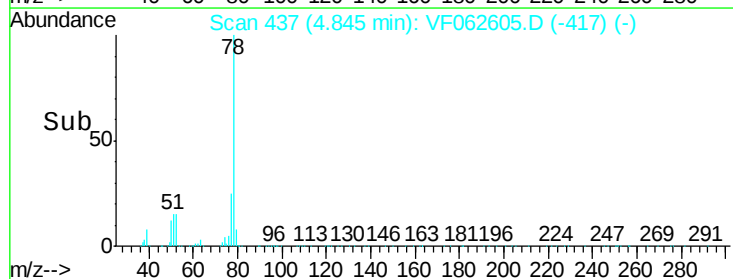
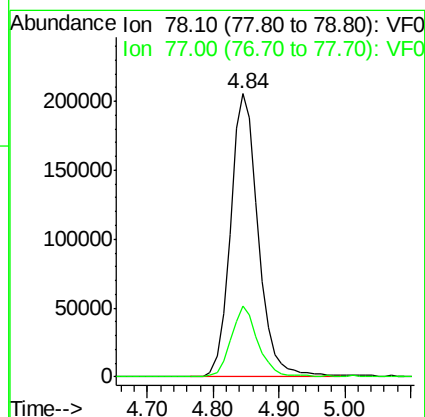
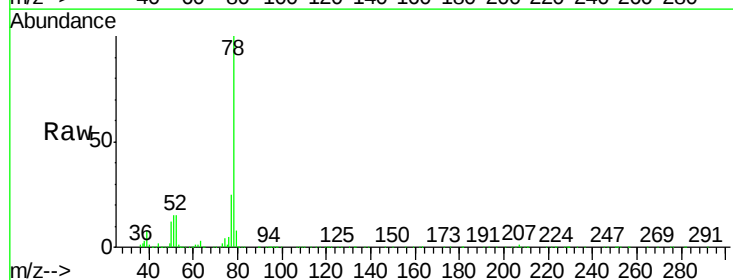
Instrument :
MSVOA_F
ClientSampleId :
VF0515SBS01

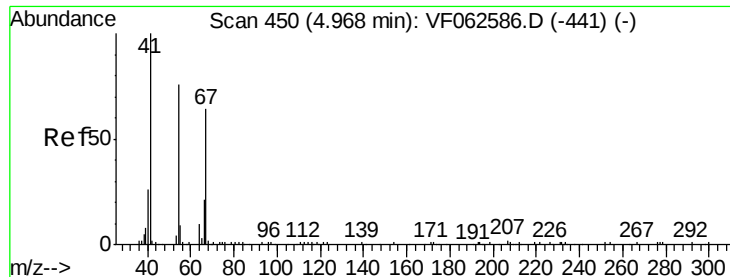
Tot Ion: 83 Resp: 260910
Ion Ratio Lower Upper
83 100
55 73.2 66.6 100.0
98 43.0 38.3 57.5



#40
Benzene
Concen: 21.220 ug/l
RT: 4.84 min Scan# 437
Delta R.T. -0.00 min
Lab File: VF062605.D
Acq: 15 May 2019 13:31

Tgt Ion: 78 Resp: 604005
Ion Ratio Lower Upper
78 100
77 24.8 17.7 26.5





#41

Methacrylonitrile

Concen: 21.444 ug/l

RT: 4.95 min Scan# 448

Delta R.T. -0.01 min

Lab File: VF062605.D

Acq: 15 May 2019 13:31

Instrument :

MSVOA_F

ClientSampleId :

VF0515SBS01

Tot Ion: 41 Resp: 49927

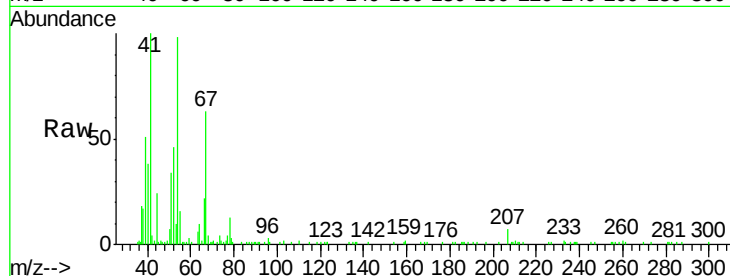
Ion	Ratio	Lower	Upper
41	100		
39	50.9	40.8	61.2
67	63.3	50.2	75.2
52	45.6	36.8	55.2

41 100

39 50.9 40.8 61.2

67 63.3 50.2 75.2

52 45.6 36.8 55.2

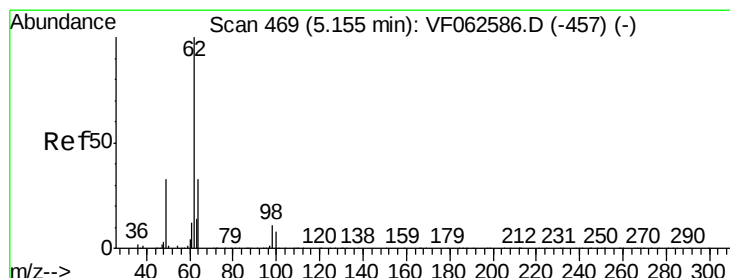
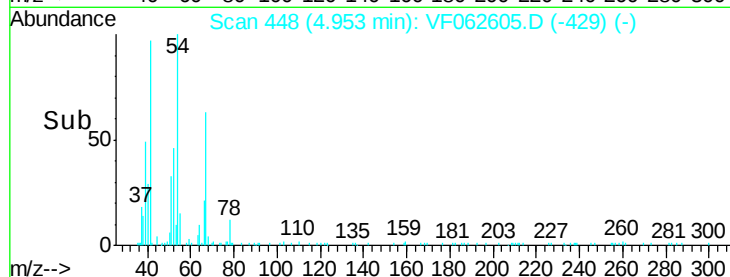
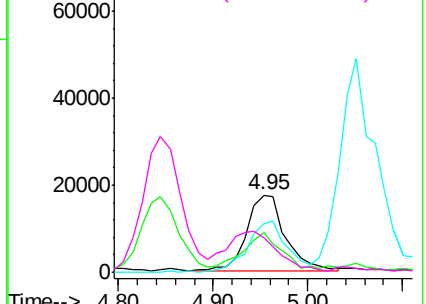


Abundance Ion 41.00 (40.70 to 41.70): VF0

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: 19.883 ug/l

RT: 5.15 min Scan# 468

Delta R.T. -0.00 min

Lab File: VF062605.D

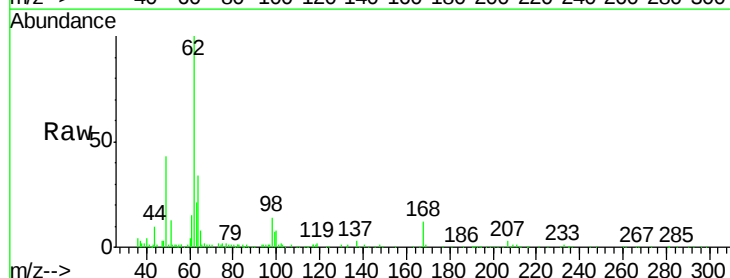
Acq: 15 May 2019 13:31

Tgt Ion: 62 Resp: 120095

Ion	Ratio	Lower	Upper
62	100		
98	14.0	0.0	22.2

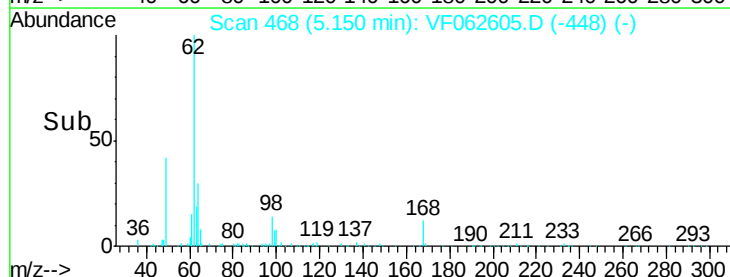
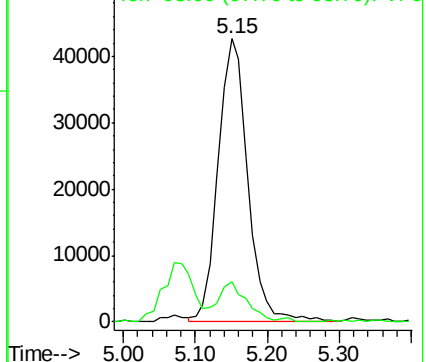
62 100

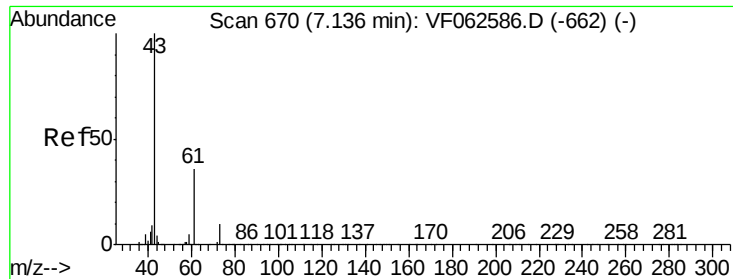
98 14.0 0.0 22.2



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#43

Isopropyl Acetate

Concen: 20.775 ug/l

RT: 7.13 min Scan# 669

Delta R.T. -0.00 min

Lab File: VF062605.D

Acq: 15 May 2019 13:31

Instrument :

MSVOA_F

ClientSampleId :

VF0515SBS01

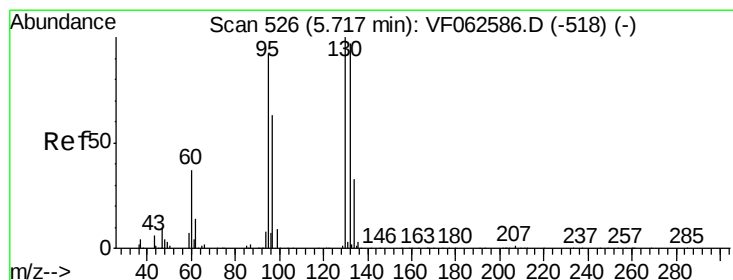
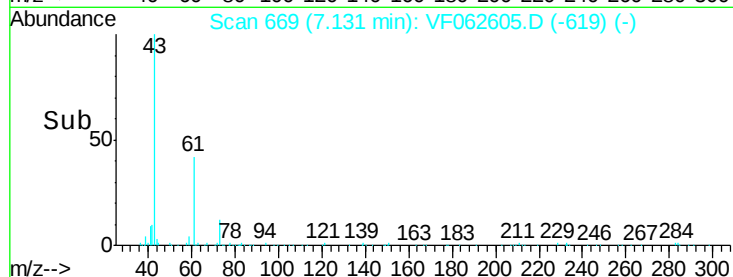
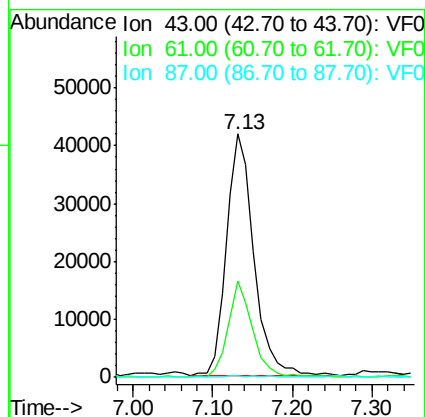
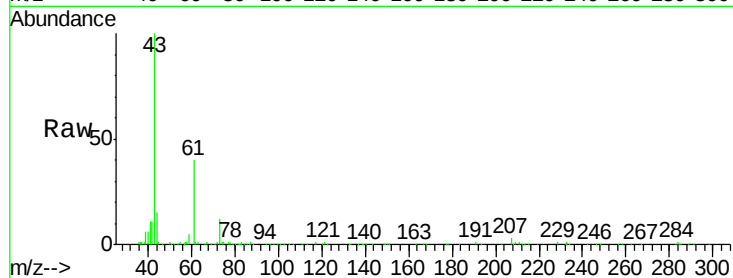
Tot Ion: 43 Resp: 101076

Ion Ratio Lower Upper

43 100

61 39.8 28.5 42.7

87 0.6 0.4 0.6#



#44

Trichloroethene

Concen: 21.329 ug/l

RT: 5.71 min Scan# 525

Delta R.T. -0.00 min

Lab File: VF062605.D

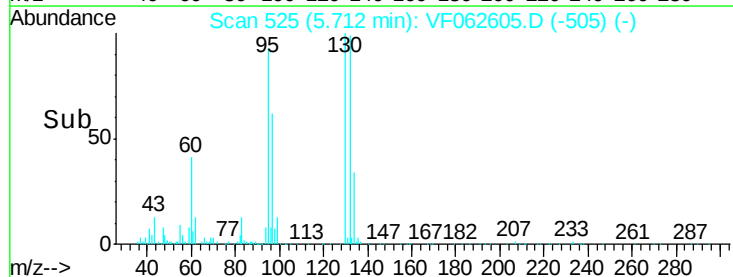
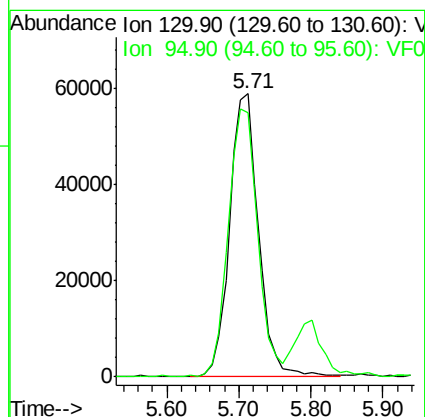
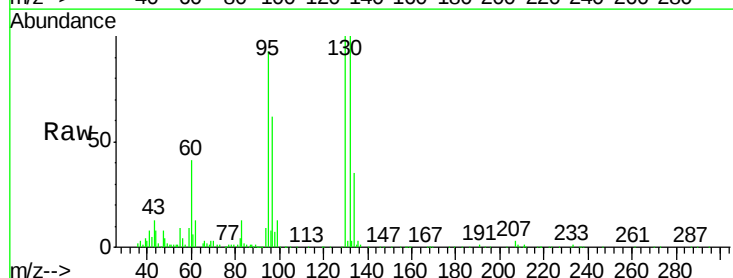
Acq: 15 May 2019 13:31

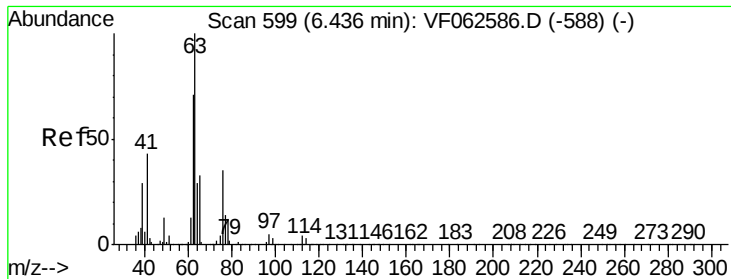
Tgt Ion: 130 Resp: 163956

Ion Ratio Lower Upper

130 100

95 93.2 0.0 185.0

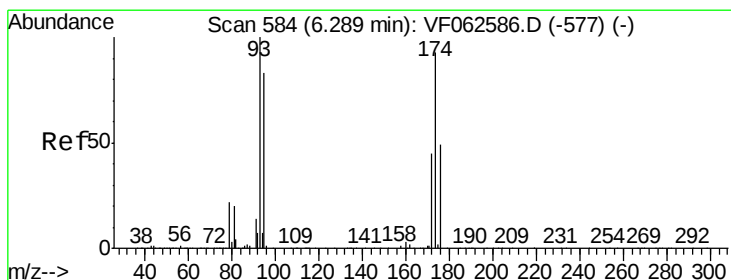
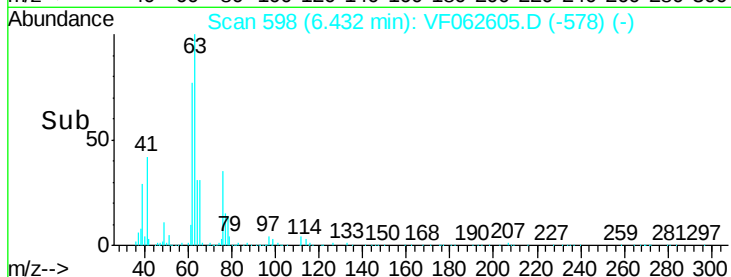
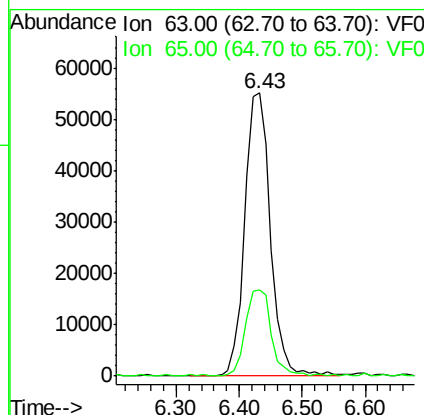
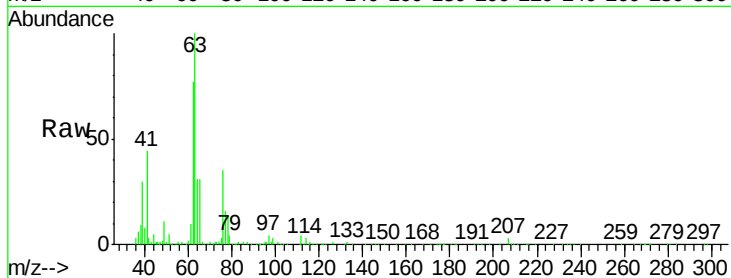




#45
 1,2-Dichloropropane
 Concen: 21.737 ug/l
 RT: 6.43 min Scan# 598
 Delta R.T. -0.00 min
 Lab File: VF062605.D
 Acq: 15 May 2019 13:31

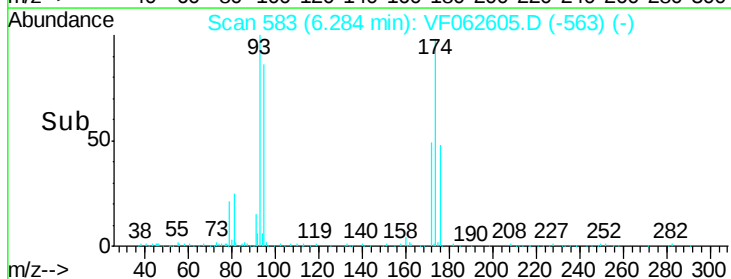
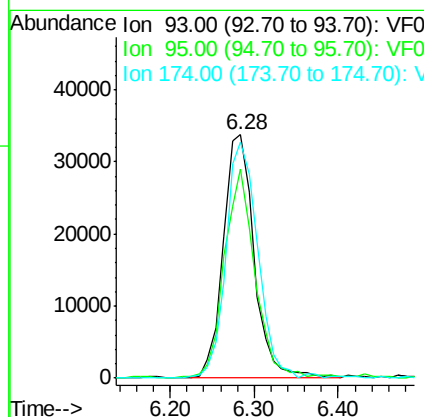
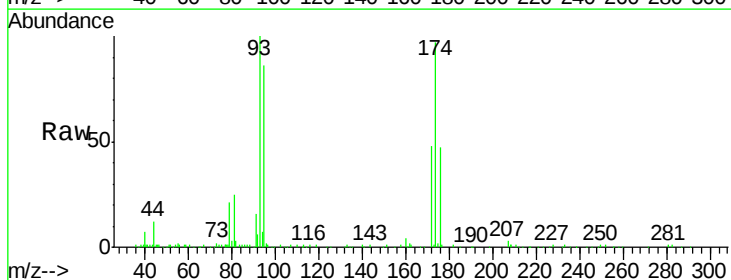
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0515SBS01

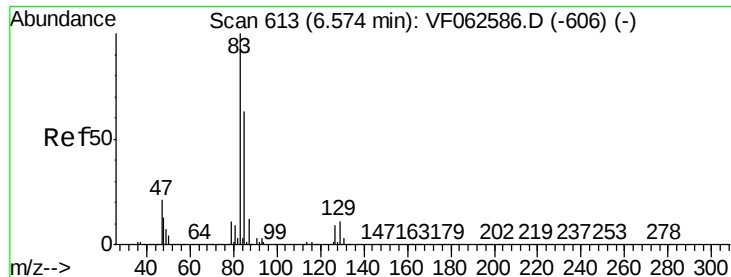
Tot Ion: 63 Resp: 155740
 Ion Ratio Lower Upper
 63 100
 65 30.6 26.2 39.4



#46
 Dibromomethane
 Concen: 21.558 ug/l
 RT: 6.28 min Scan# 583
 Delta R.T. -0.00 min
 Lab File: VF062605.D
 Acq: 15 May 2019 13:31

Tgt Ion: 93 Resp: 86355
 Ion Ratio Lower Upper
 93 100
 95 85.9 66.9 100.3
 174 99.2 74.6 112.0





#47

Bromodichloromethane

Concen: 21.410 ug/l

RT: 6.57 min Scan# 612

Delta R.T. -0.00 min

Lab File: VF062605.D

Acq: 15 May 2019 13:31

Instrument :

MSVOA_F

ClientSampleId :

VF0515SBS01

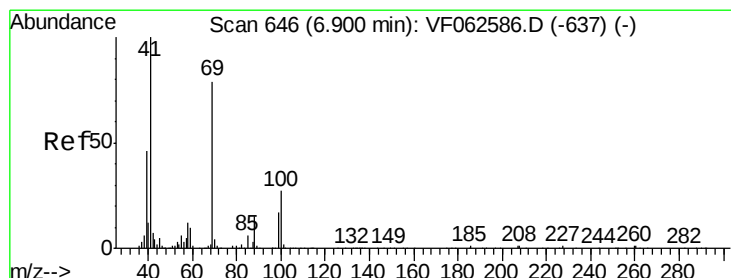
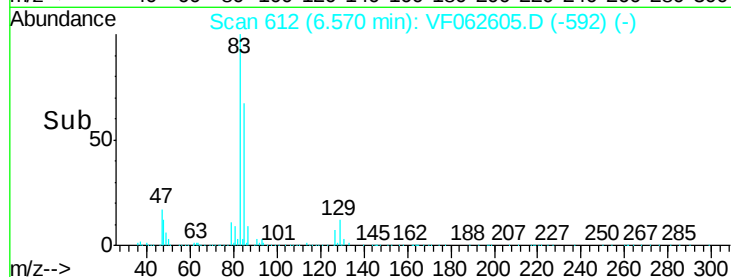
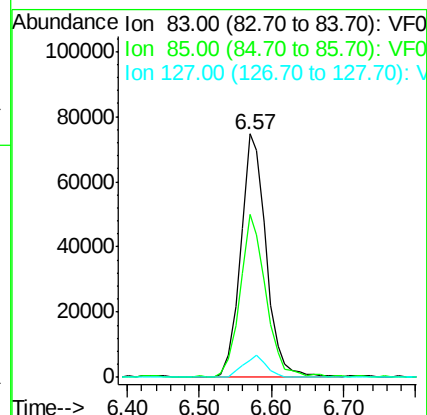
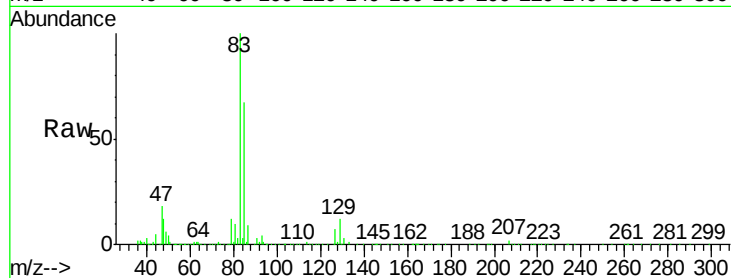
Tot Ion: 83 Resp: 184368

Ion Ratio Lower Upper

83 100

85 66.9 50.3 75.5

127 7.1 7.2 10.8#



#48

Methyl methacrylate

Concen: 19.105 ug/l

RT: 6.89 min Scan# 645

Delta R.T. -0.00 min

Lab File: VF062605.D

Acq: 15 May 2019 13:31

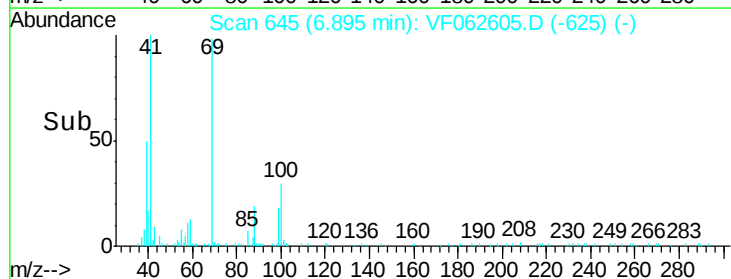
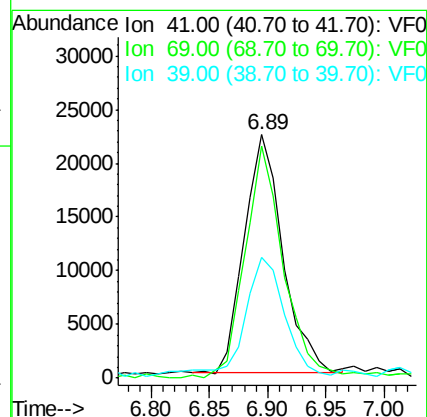
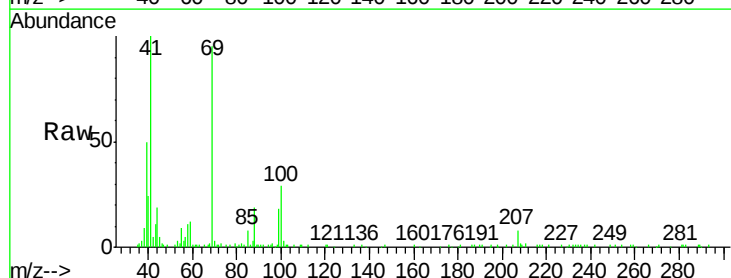
Tgt Ion: 41 Resp: 50879

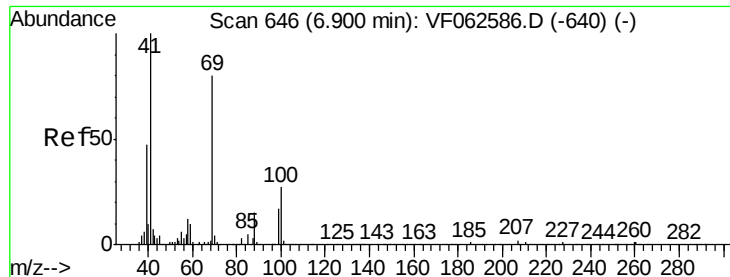
Ion Ratio Lower Upper

41 100

69 95.2 63.0 94.6#

39 49.6 37.6 56.4

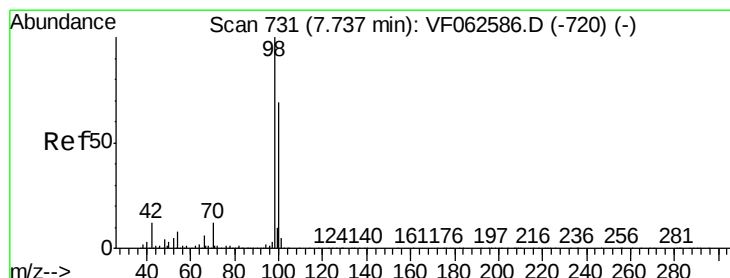
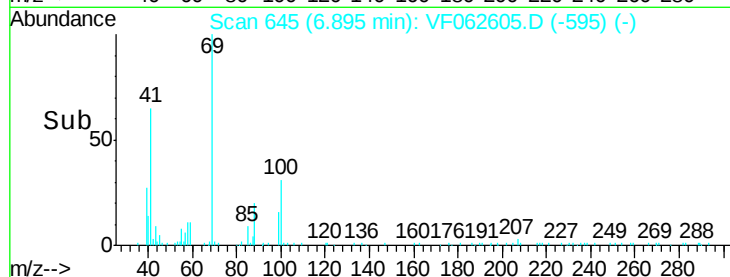
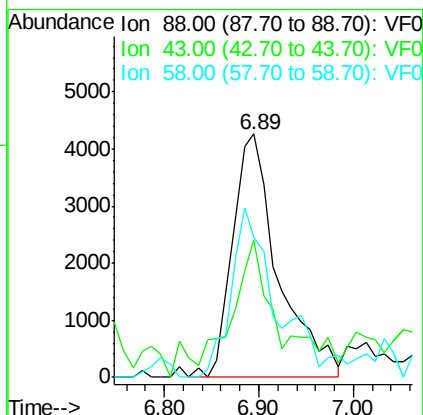
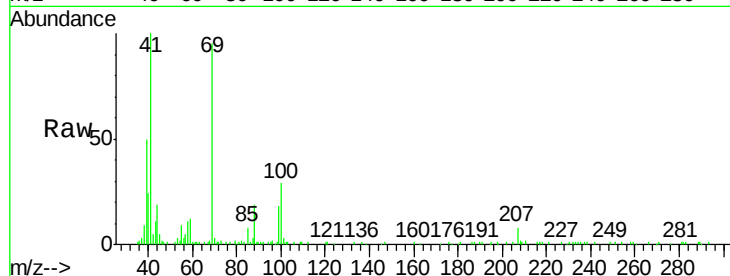




#49
1,4-Dioxane
Concen: 406.452 ug/l
RT: 6.89 min Scan# 645
Delta R.T. -0.00 min
Lab File: VF062605.D
Acq: 15 May 2019 13:31

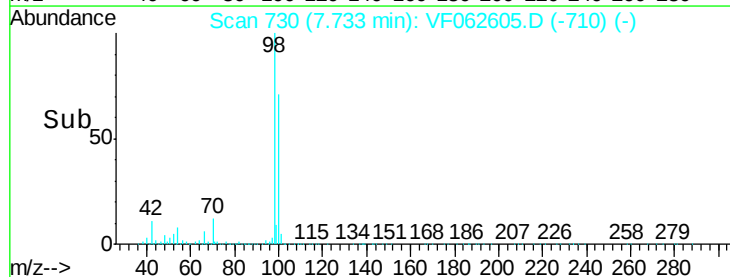
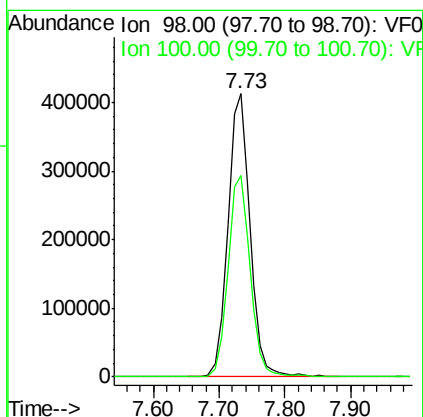
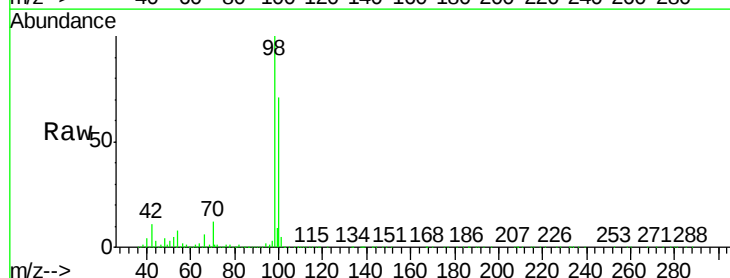
Instrument :
MSVOA_F
ClientSampleId :
VF0515SBS01

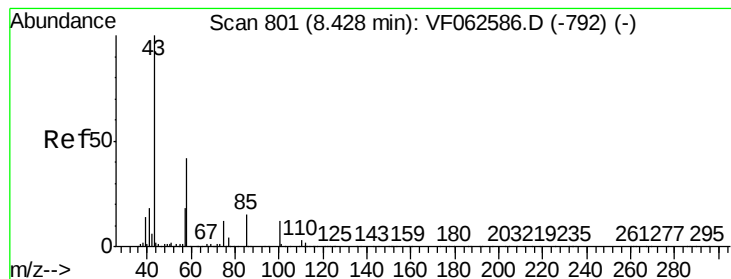
Tot Ion: 88 Resp: 14264
Ion Ratio Lower Upper
88 100
43 56.2 28.8 43.2#
58 57.5 60.6 90.8#



#50
Toluene-d8
Concen: 47.930 ug/l
RT: 7.73 min Scan# 730
Delta R.T. -0.00 min
Lab File: VF062605.D
Acq: 15 May 2019 13:31

Tgt Ion: 98 Resp: 971976
Ion Ratio Lower Upper
98 100
100 71.3 55.4 83.0





#51

4-Methyl-2-Pentanone

Concen: 109.887 ug/l

RT: 8.42 min Scan# 800

Delta R.T. -0.00 min

Lab File: VF062605.D

Acq: 15 May 2019 13:31

Instrument :

MSVOA_F

ClientSampleId :

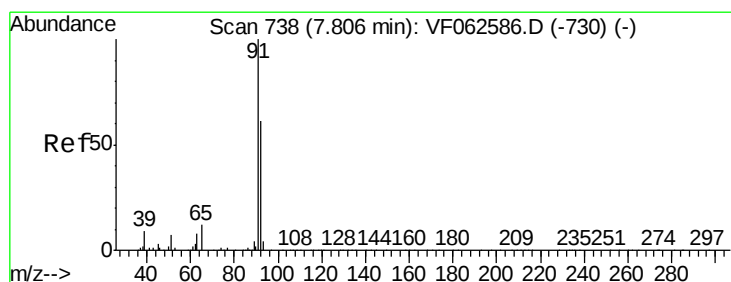
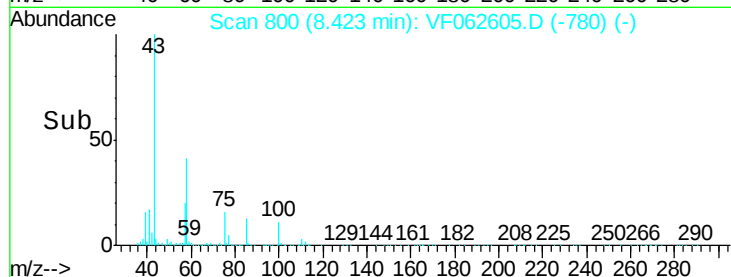
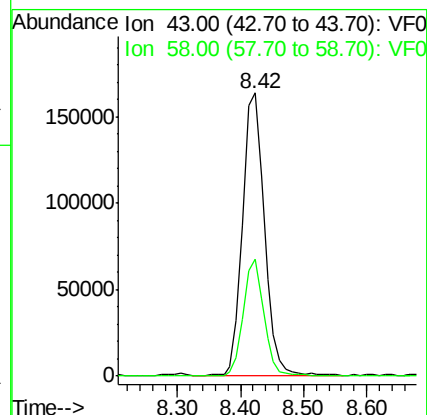
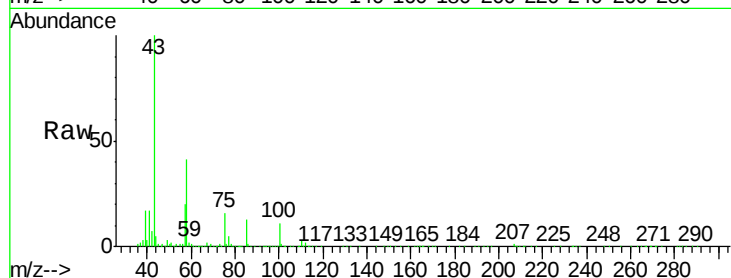
VF0515SBS01

Tot Ion: 43 Resp: 391743

Ion Ratio Lower Upper

43 100

58 41.2 33.6 50.4



#52

Toluene

Concen: 21.955 ug/l

RT: 7.80 min Scan# 737

Delta R.T. -0.00 min

Lab File: VF062605.D

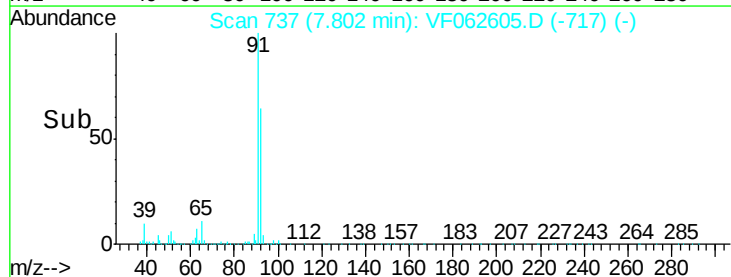
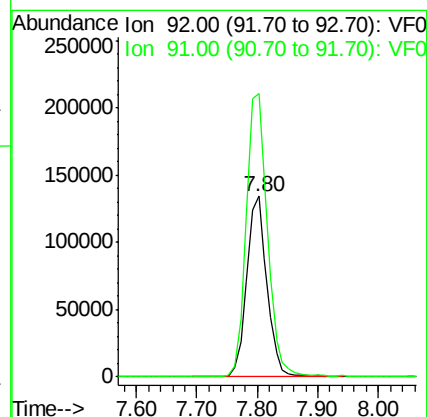
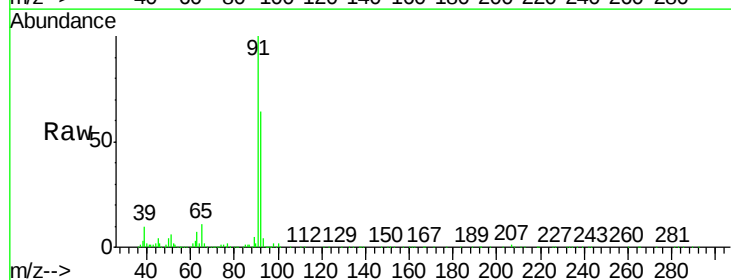
Acq: 15 May 2019 13:31

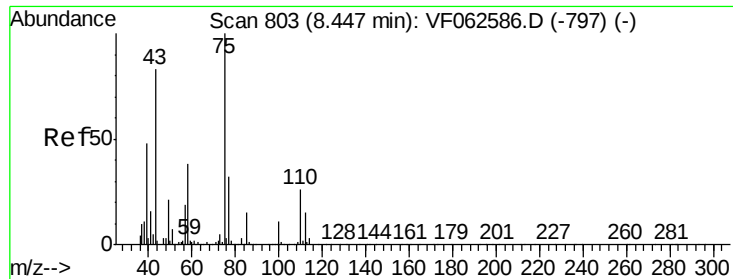
Tgt Ion: 92 Resp: 313706

Ion Ratio Lower Upper

92 100

91 156.5 131.0 196.4

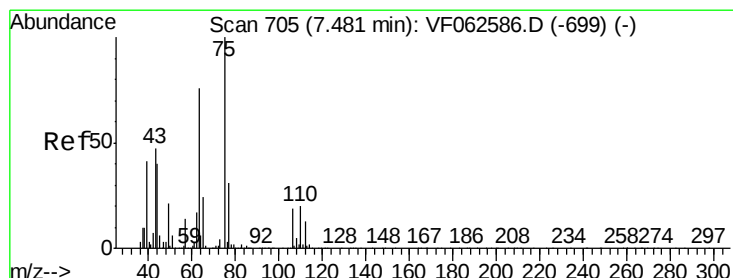
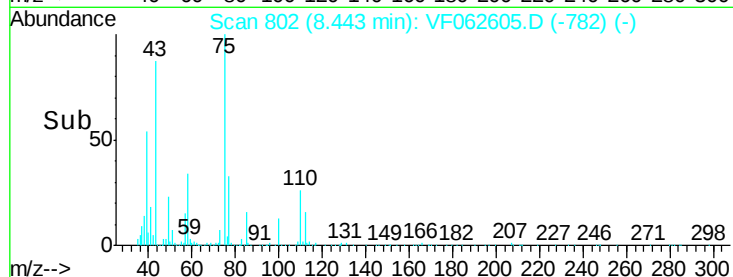
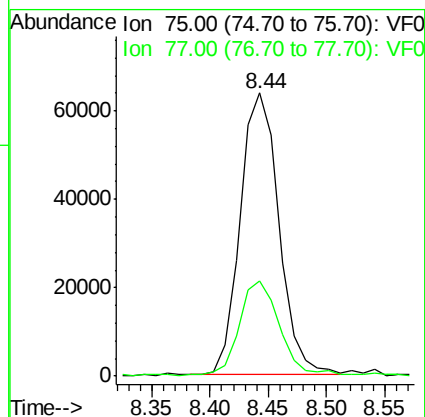
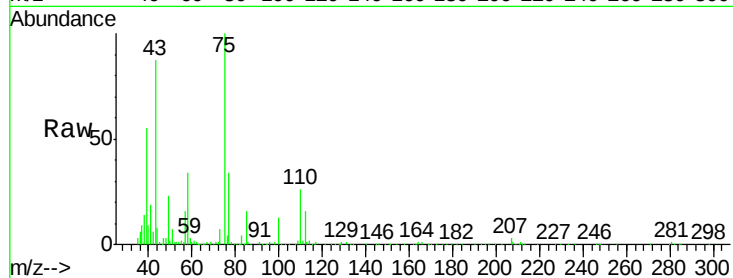




#53
 t-1,3-Dichloropropene
 Concen: 21.633 ug/l
 RT: 8.44 min Scan# 802
 Delta R.T. -0.00 min
 Lab File: VF062605.D
 Acq: 15 May 2019 13:31

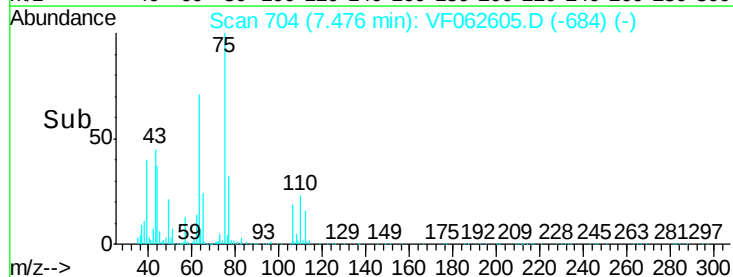
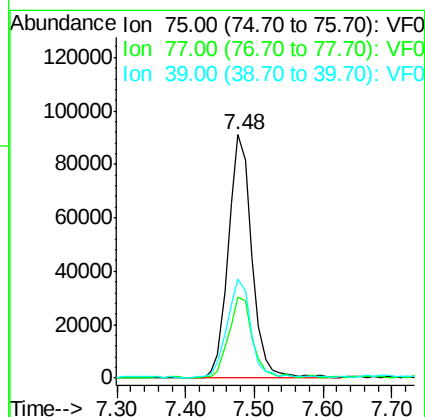
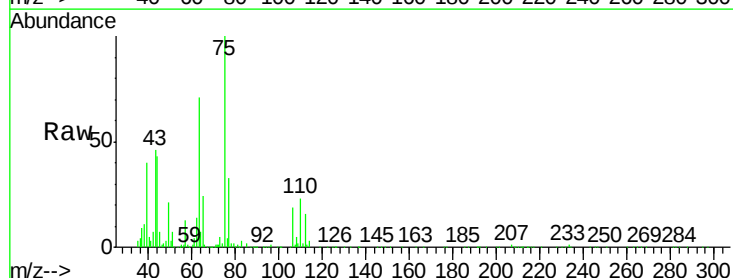
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0515SBS01

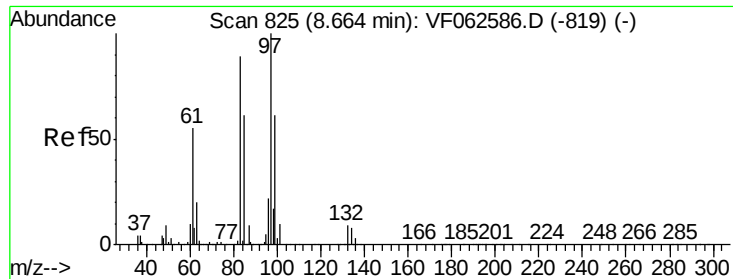
Tot Ion: 75 Resp: 147167
 Ion Ratio Lower Upper
 75 100
 77 33.9 25.7 38.5



#54
 cis-1,3-Dichloropropene
 Concen: 22.354 ug/l
 RT: 7.48 min Scan# 704
 Delta R.T. -0.00 min
 Lab File: VF062605.D
 Acq: 15 May 2019 13:31

Tgt Ion: 75 Resp: 214901
 Ion Ratio Lower Upper
 75 100
 77 33.2 25.0 37.6
 39 40.4 32.8 49.2





#55

1,1,2-Trichloroethane

Concen: 21.967 ug/l

RT: 8.65 min Scan# 823

Delta R.T. -0.01 min

Lab File: VF062605.D

Acq: 15 May 2019 13:31

Instrument :

MSVOA_F

ClientSampleId :

VF0515SBS01

Tot Ion: 97 Resp: 93977

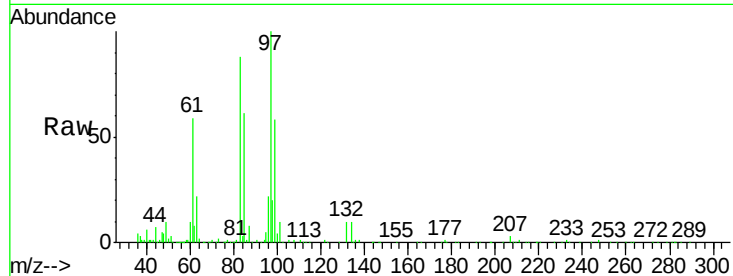
Ion Ratio Lower Upper

97 100

83 88.0 71.3 106.9

85 61.1 48.9 73.3

99 58.2 48.4 72.6

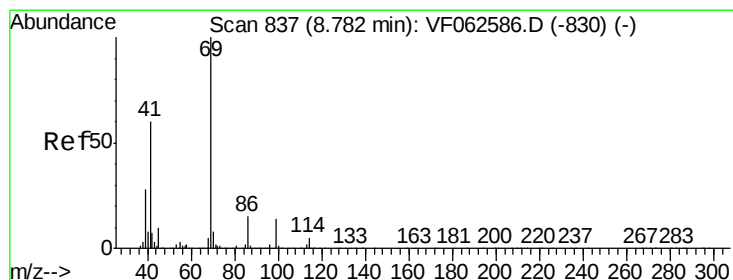
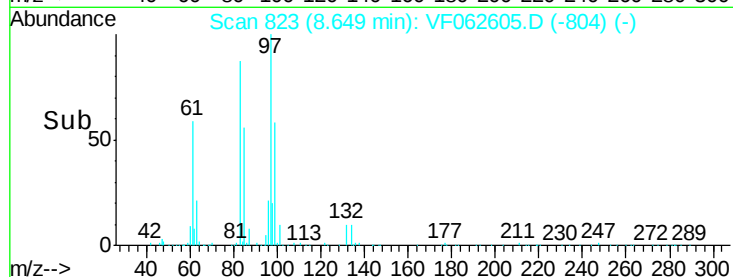
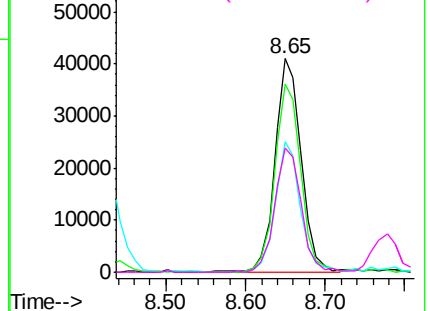


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 20.331 ug/l

RT: 8.78 min Scan# 836

Delta R.T. -0.00 min

Lab File: VF062605.D

Acq: 15 May 2019 13:31

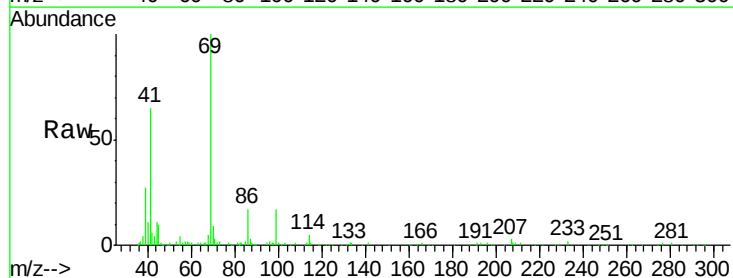
Tgt Ion: 69 Resp: 95331

Ion Ratio Lower Upper

69 100

41 65.1 48.1 72.1

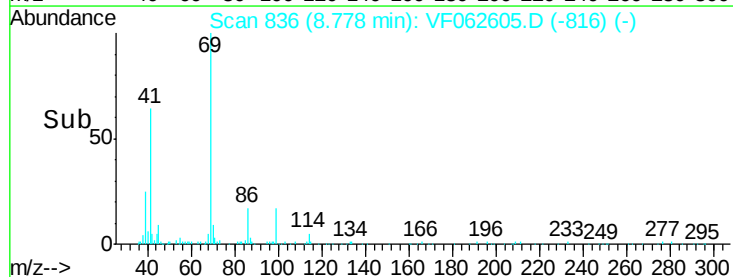
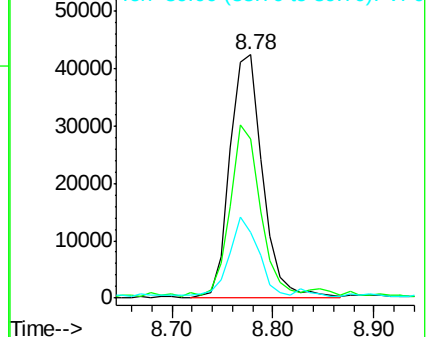
39 26.9 22.5 33.7

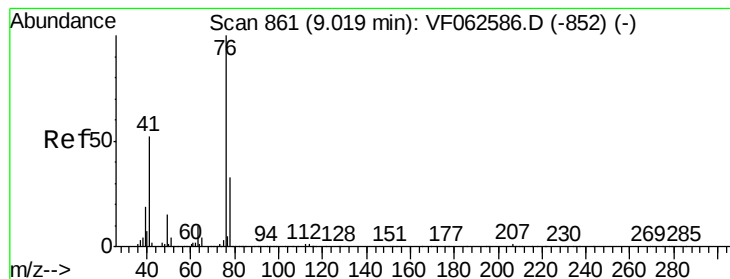


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 21.634 ug/l

RT: 9.01 min Scan# 860

Delta R.T. -0.00 min

Lab File: VF062605.D

Acq: 15 May 2019 13:31

Instrument :

MSVOA_F

ClientSampleId :

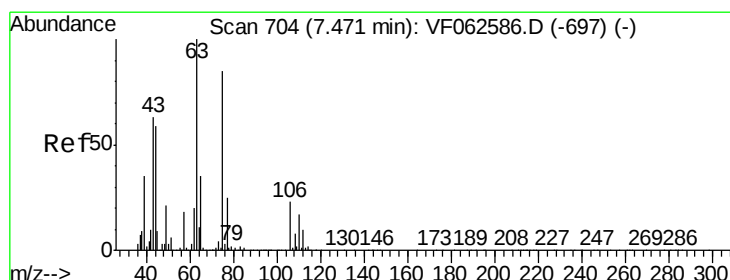
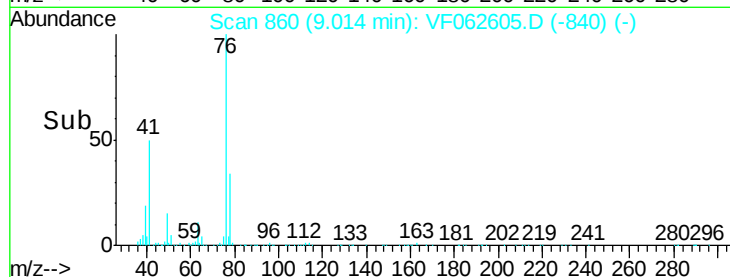
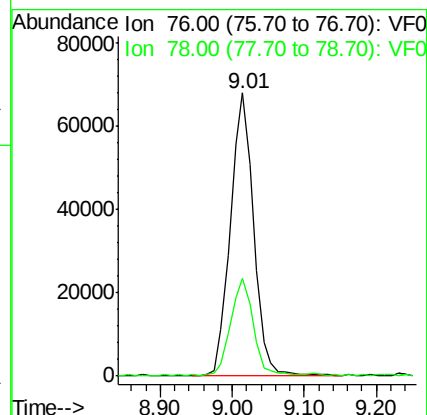
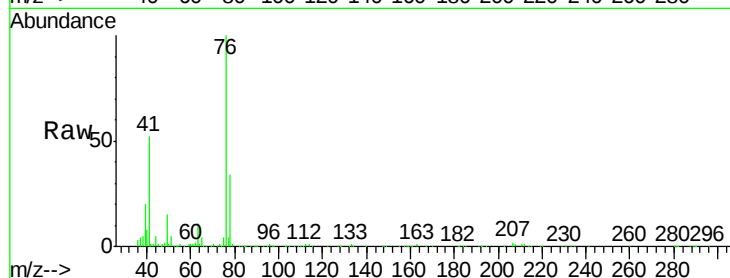
VF0515SBS01

Tot Ion: 76 Resp: 152757

Ion Ratio Lower Upper

76 100

78 34.4 26.4 39.6



#58

2-Chloroethyl Vinyl ether

Concen: 115.619 ug/l

RT: 7.47 min Scan# 703

Delta R.T. -0.00 min

Lab File: VF062605.D

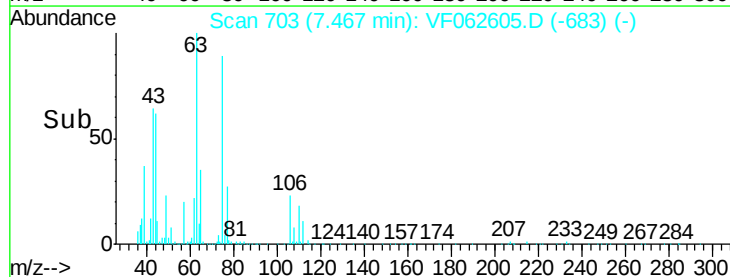
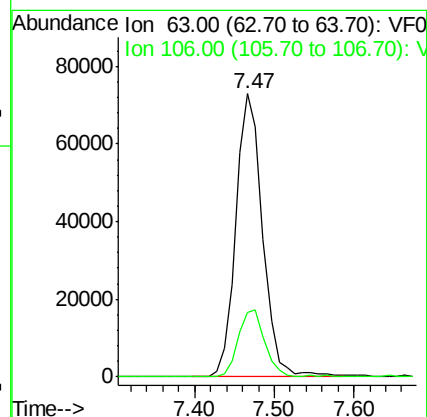
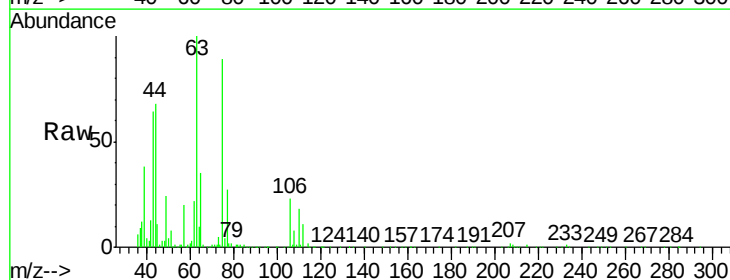
Acq: 15 May 2019 13:31

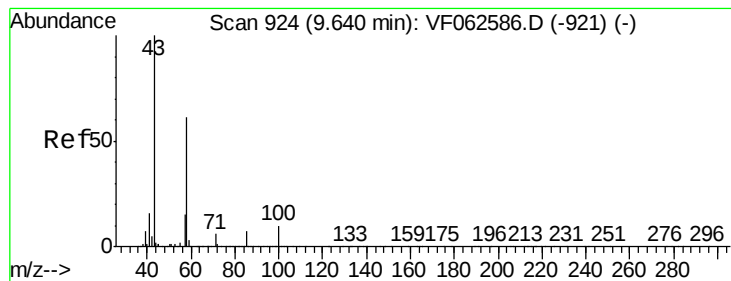
Tgt Ion: 63 Resp: 169625

Ion Ratio Lower Upper

63 100

106 22.8 18.0 27.0





#59

2-Hexanone

Concen: 110.816 ug/l

RT: 9.64 min Scan# 923

Delta R.T. -0.00 min

Lab File: VF062605.D

Acq: 15 May 2019 13:31

Instrument :

MSVOA_F

ClientSampleId :

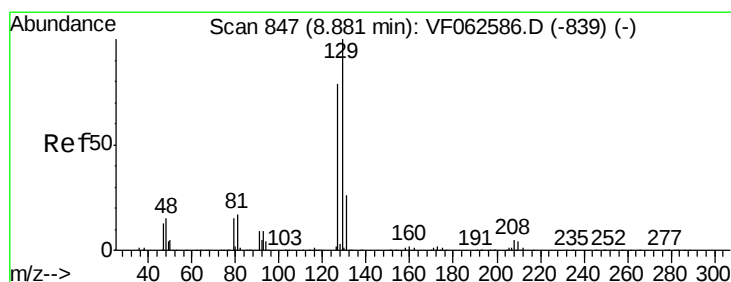
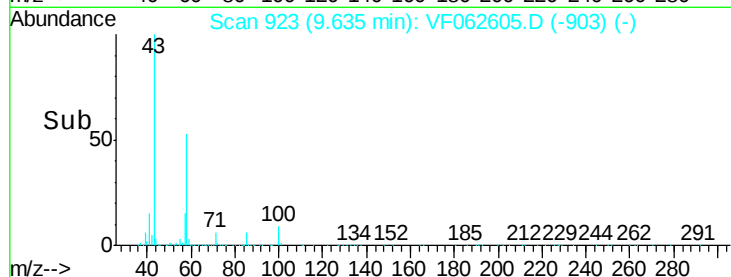
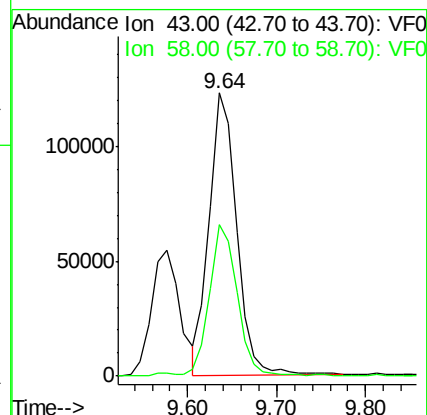
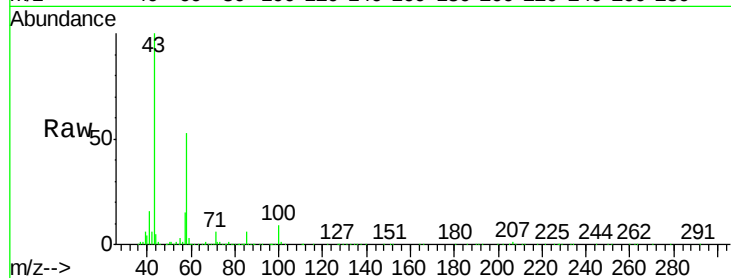
VF0515SBS01

Tot Ion: 43 Resp: 260911

Ion Ratio Lower Upper

43 100

58 53.4 28.7 86.3



#60

Dibromochloromethane

Concen: 21.610 ug/l

RT: 8.88 min Scan# 846

Delta R.T. -0.00 min

Lab File: VF062605.D

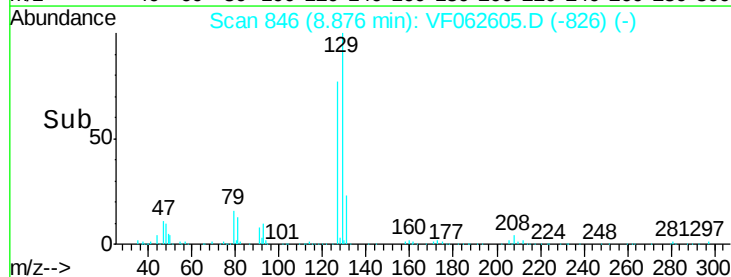
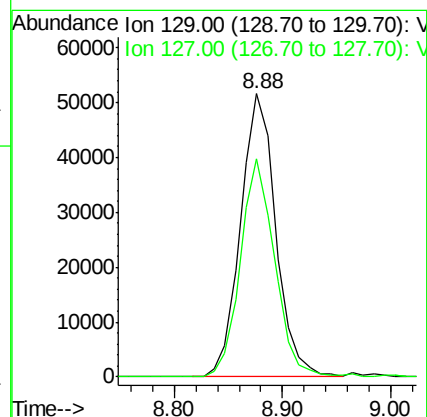
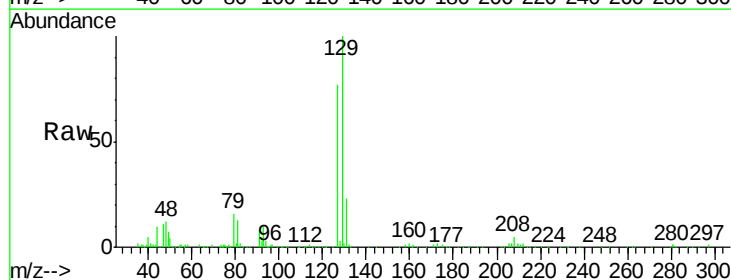
Acq: 15 May 2019 13:31

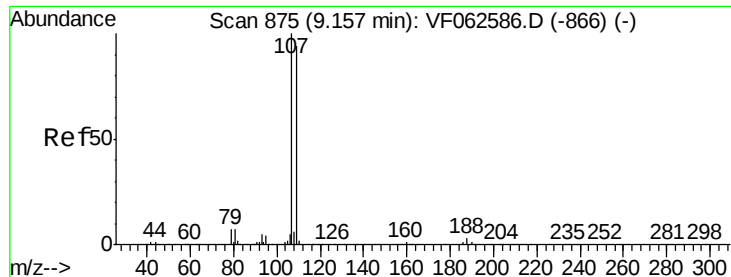
Tgt Ion: 129 Resp: 117460

Ion Ratio Lower Upper

129 100

127 77.2 39.3 117.9





#61

1,2-Dibromoethane

Concen: 21.635 ug/l

RT: 9.15 min Scan# 874

Delta R.T. -0.00 min

Lab File: VF062605.D

Acq: 15 May 2019 13:31

Instrument :

MSVOA_F

ClientSampleId :

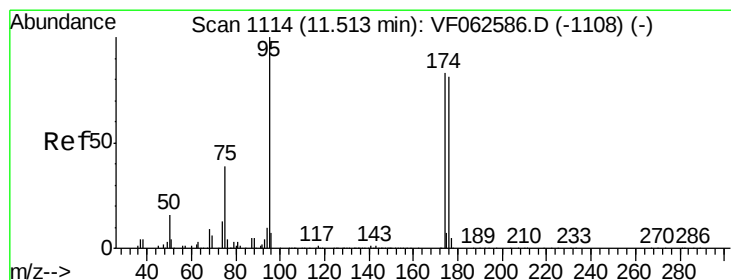
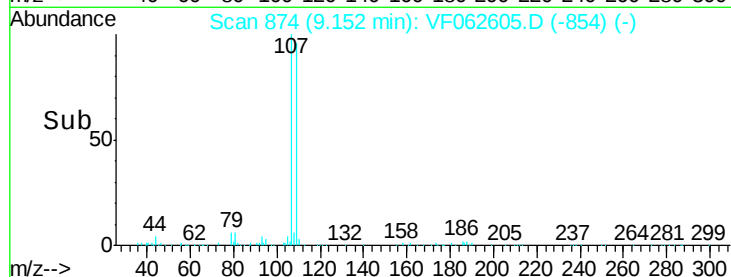
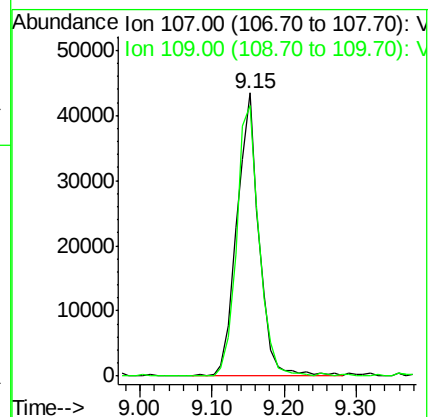
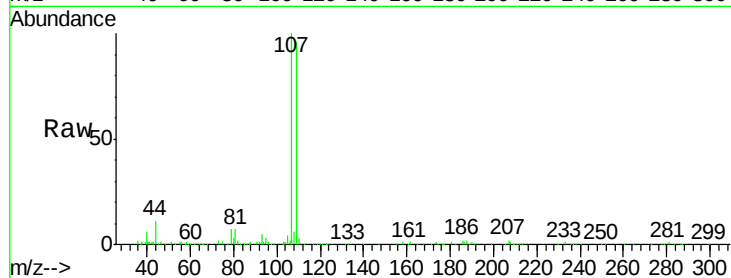
VF0515SBS01

Tot Ion:107 Resp: 92829

Ion Ratio Lower Upper

107 100

109 95.8 74.9 112.3



#62

4-Bromofluorobenzene

Concen: 48.839 ug/l

RT: 11.51 min Scan# 1113

Delta R.T. -0.00 min

Lab File: VF062605.D

Acq: 15 May 2019 13:31

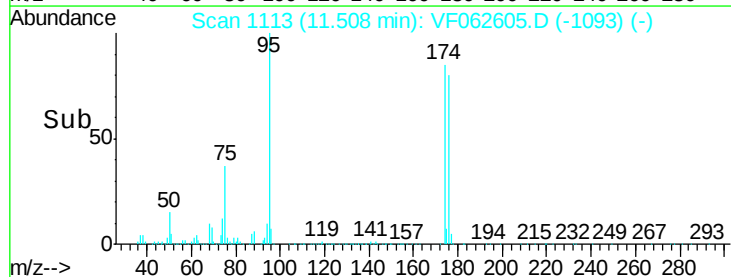
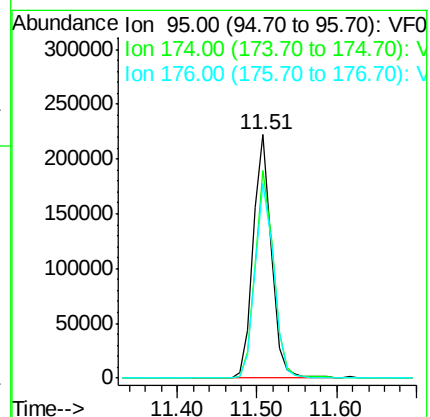
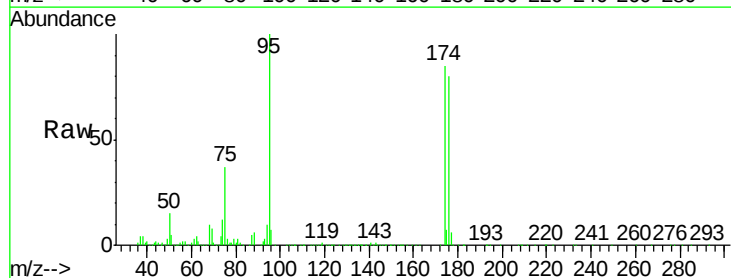
Tgt Ion: 95 Resp: 345886

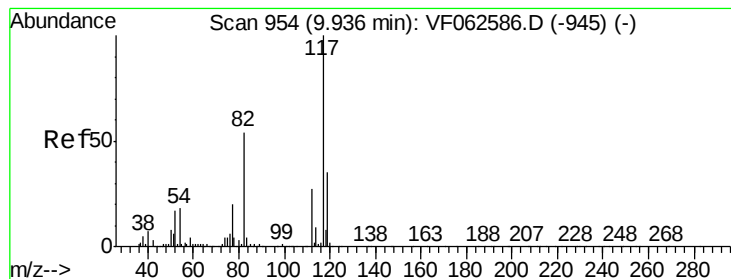
Ion Ratio Lower Upper

95 100

174 85.2 0.0 166.6

176 80.1 0.0 161.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.93 min Scan# 953

Delta R.T. -0.00 min

Lab File: VF062605.D

Acq: 15 May 2019 13:31

Instrument :

MSVOA_F

ClientSampleId :

VF0515SBS01

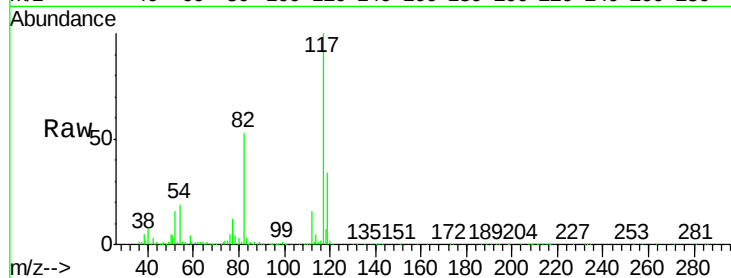
Tot Ion:117 Resp: 854758

Ion Ratio Lower Upper

117 100

82 53.3 43.4 65.0

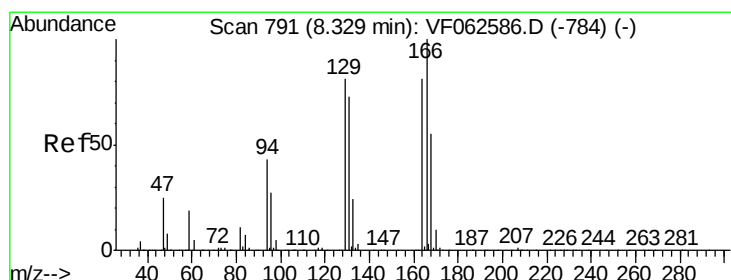
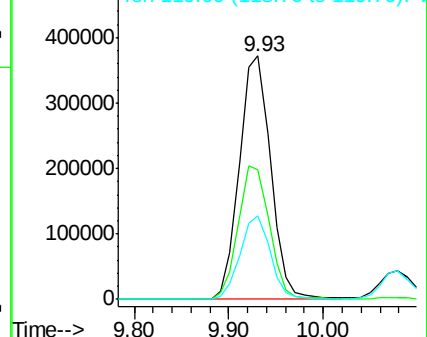
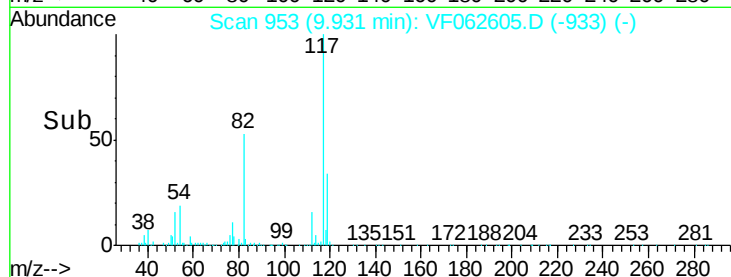
119 34.3 27.7 41.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): V

Ion 119.00 (118.70 to 119.70): V



#64

Tetrachloroethene

Concen: 22.154 ug/l

RT: 8.32 min Scan# 790

Delta R.T. -0.00 min

Lab File: VF062605.D

Acq: 15 May 2019 13:31

Tgt Ion:164 Resp: 125128

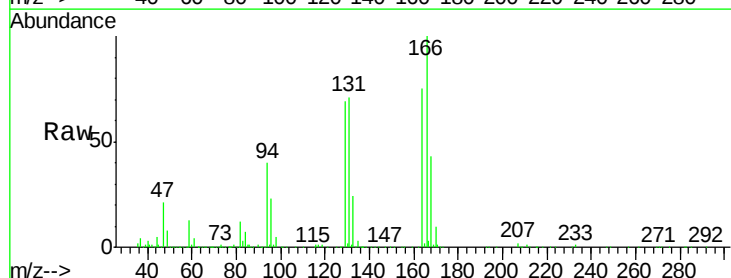
Ion Ratio Lower Upper

164 100

166 134.1 98.6 148.0

129 92.7 80.2 120.4

131 95.4 71.8 107.6

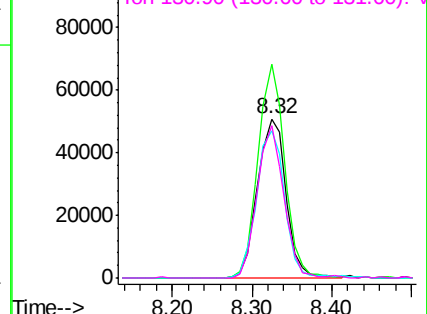
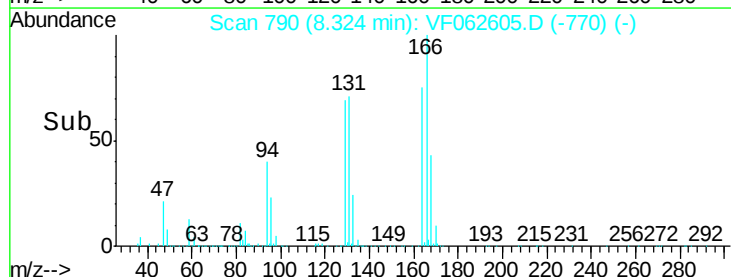


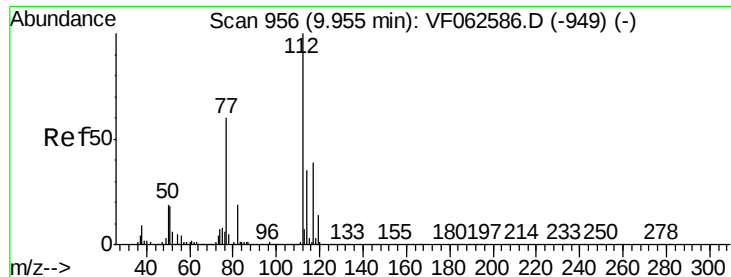
Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V

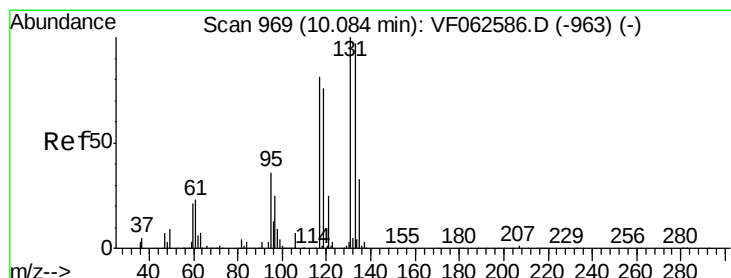
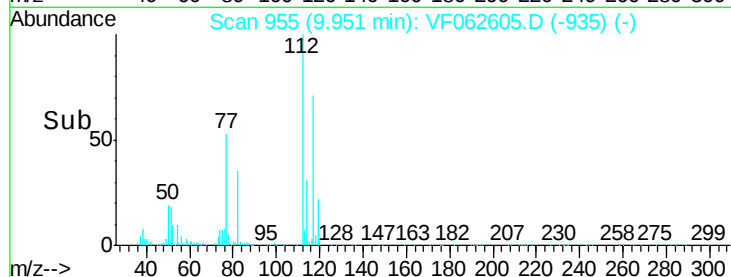
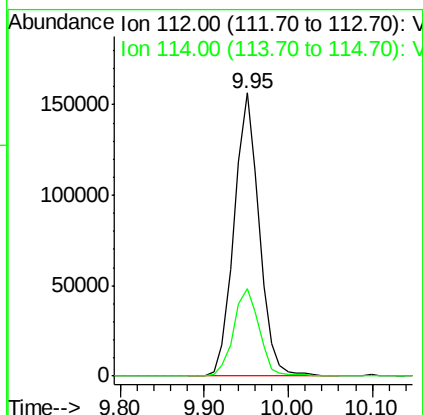
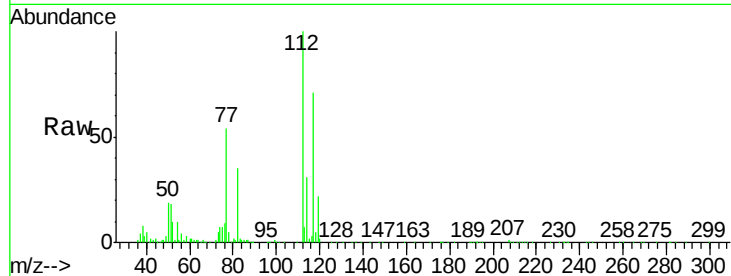




#65
Chlorobenzene
Concen: 21.882 ug/l
RT: 9.95 min Scan# 955
Delta R.T. -0.00 min
Lab File: VF062605.D
Acq: 15 May 2019 13:31

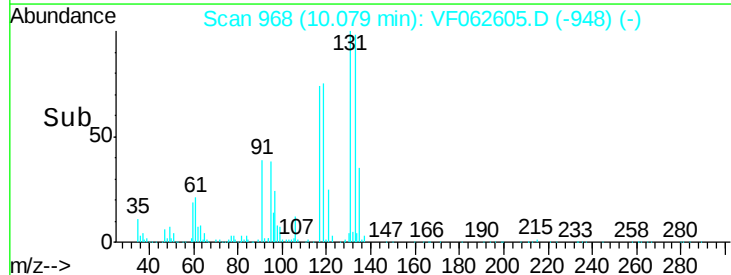
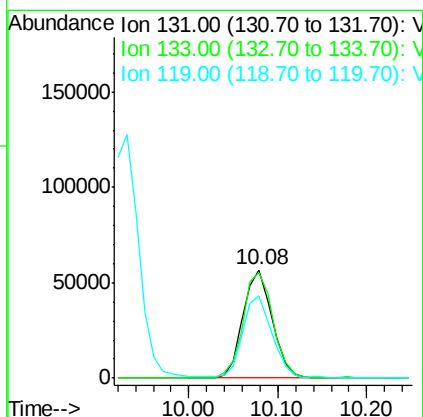
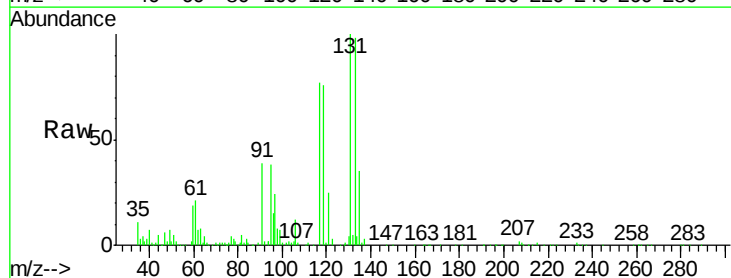
Instrument :
MSVOA_F
ClientSampleId :
VF0515SBS01

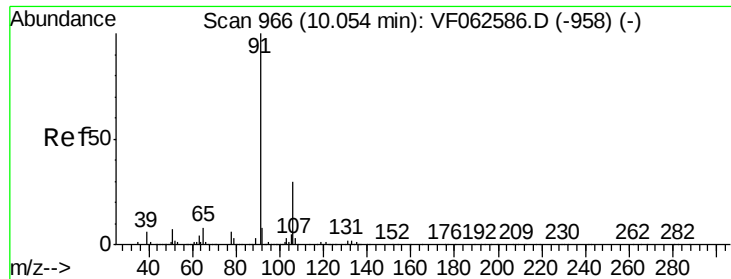
Tot Ion:112 Resp: 325164
Ion Ratio Lower Upper
112 100
114 31.1 27.9 41.9



#66
1,1,1,2-Tetrachloroethane
Concen: 21.032 ug/l
RT: 10.08 min Scan# 968
Delta R.T. -0.00 min
Lab File: VF062605.D
Acq: 15 May 2019 13:31

Tgt Ion:131 Resp: 128371
Ion Ratio Lower Upper
131 100
133 97.9 48.4 145.3
119 76.2 38.5 115.5





#67

Ethyl Benzene

Concen: 22.564 ug/l

RT: 10.05 min Scan# 965

Delta R.T. -0.00 min

Lab File: VF062605.D

Acq: 15 May 2019 13:31

Instrument :

MSVOA_F

ClientSampleId :

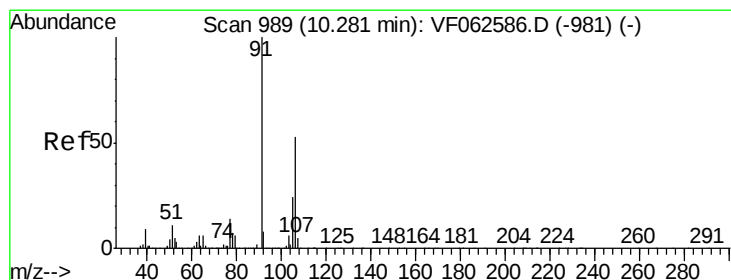
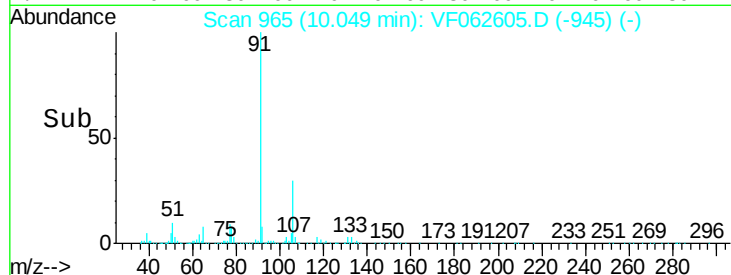
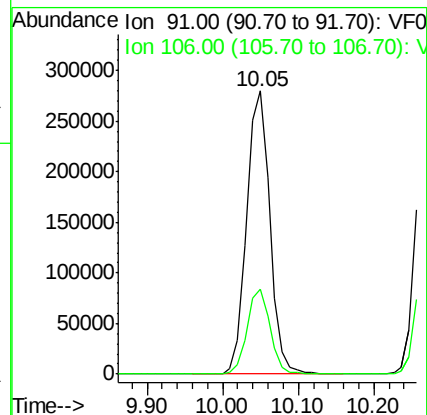
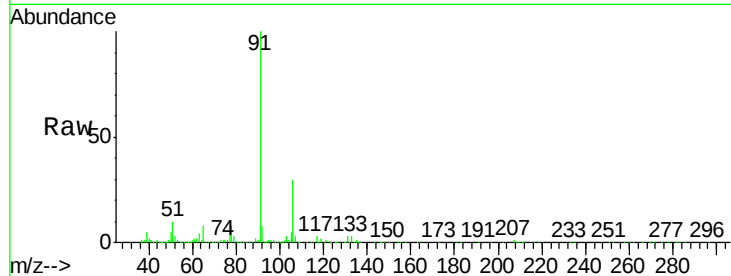
VF0515SBS01

Tot Ion: 91 Resp: 595721

Ion Ratio Lower Upper

91 100

106 30.1 24.2 36.4



#68

m/p-Xylenes

Concen: 44.650 ug/l

RT: 10.28 min Scan# 988

Delta R.T. -0.00 min

Lab File: VF062605.D

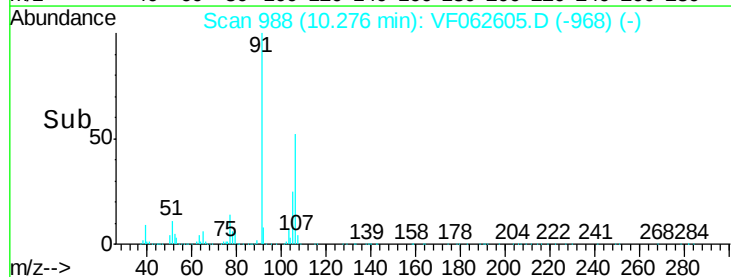
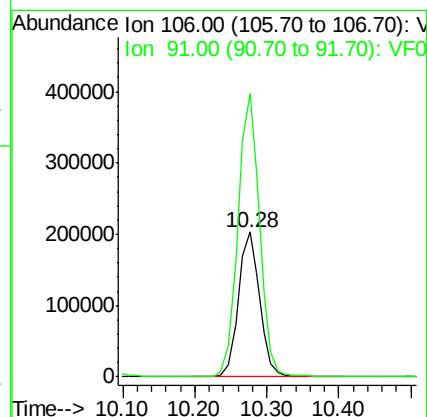
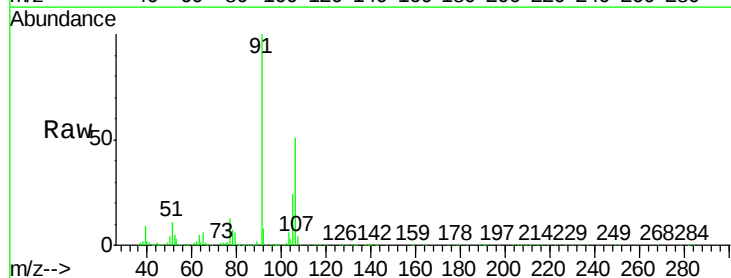
Acq: 15 May 2019 13:31

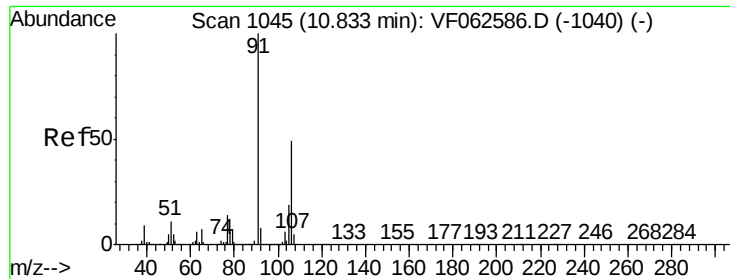
Tgt Ion: 106 Resp: 417831

Ion Ratio Lower Upper

106 100

91 195.5 150.5 225.7

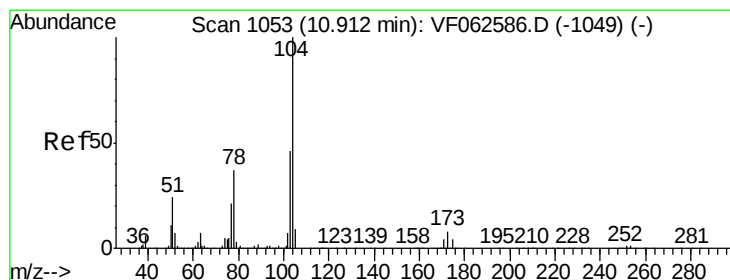
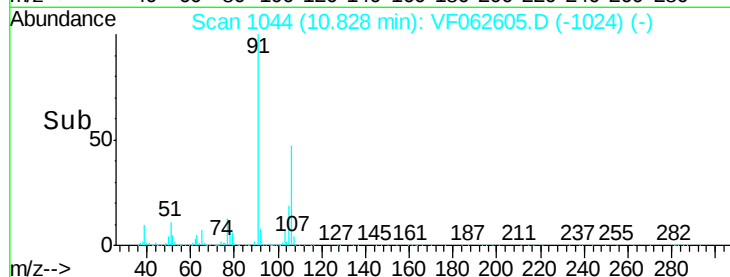
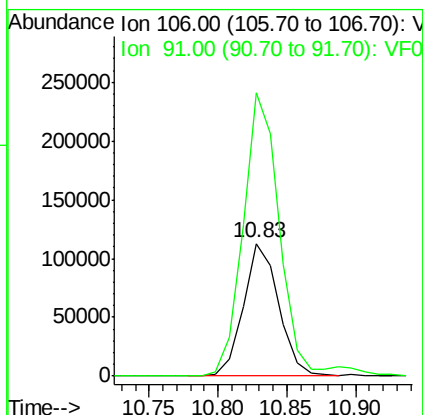
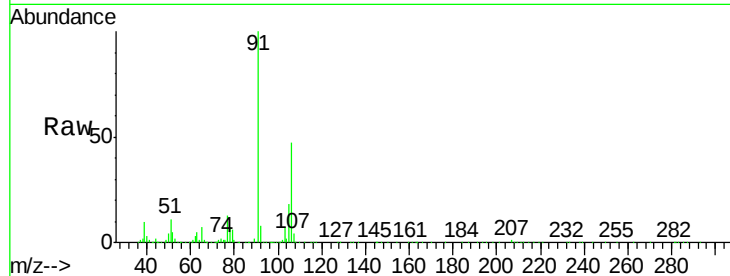




#69
o-Xylene
Concen: 20.622 ug/l
RT: 10.83 min Scan# 1044
Delta R.T. -0.00 min
Lab File: VF062605.D
Acq: 15 May 2019 13:31

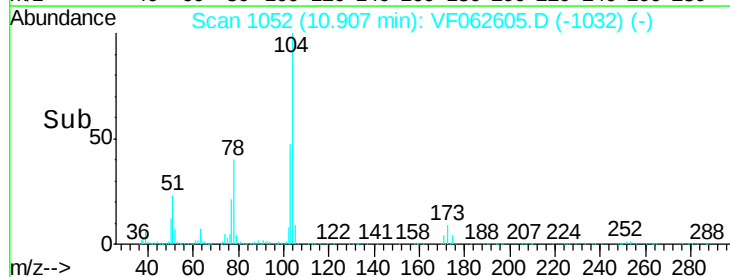
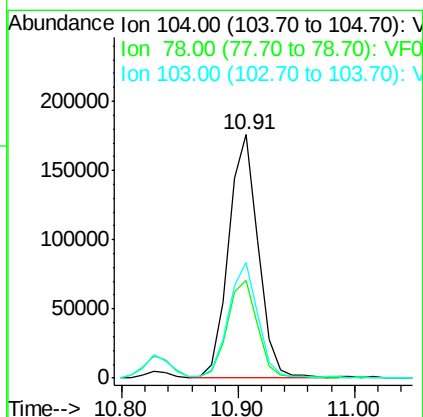
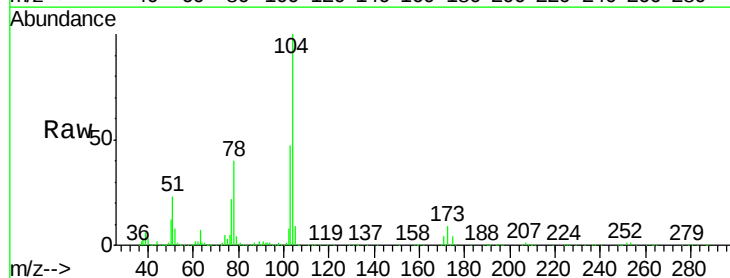
Instrument :
MSVOA_F
ClientSampleId :
VF0515SBS01

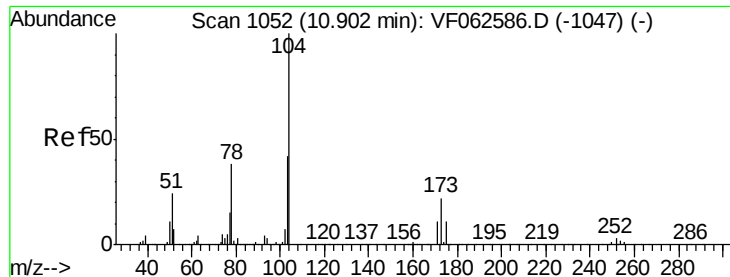
Tot Ion:106 Resp: 202441
Ion Ratio Lower Upper
106 100
91 212.9 102.0 305.9



#70
Styrene
Concen: 20.649 ug/l
RT: 10.91 min Scan# 1052
Delta R.T. -0.00 min
Lab File: VF062605.D
Acq: 15 May 2019 13:31

Tgt Ion:104 Resp: 308001
Ion Ratio Lower Upper
104 100
78 40.3 30.2 45.2
103 47.3 37.0 55.6





#71

Bromoform

Concen: 21.189 ug/l

RT: 10.89 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VF062605.D

Acq: 15 May 2019 13:31

Instrument :

MSVOA_F

ClientSampleId :

VF0515SBS01

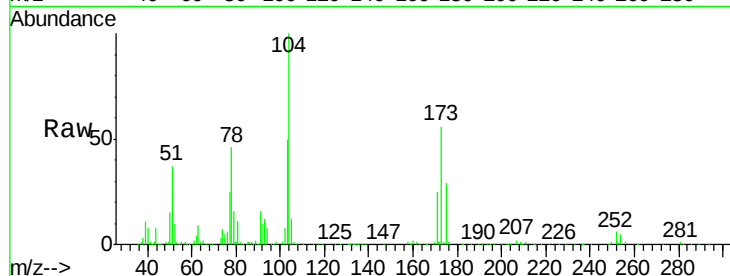
Tot Ion:173 Resp: 60895

Ion Ratio Lower Upper

173 100

175 51.2 24.1 72.3

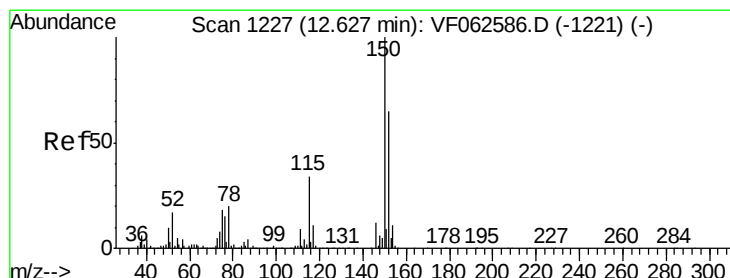
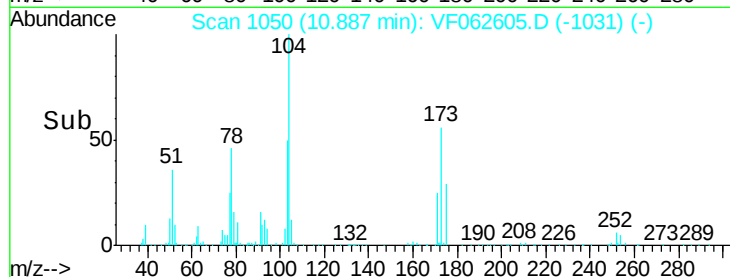
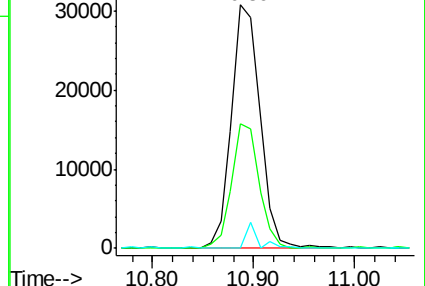
254 0.0 0.0 0.0



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.62 min Scan# 1226

Delta R.T. -0.00 min

Lab File: VF062605.D

Acq: 15 May 2019 13:31

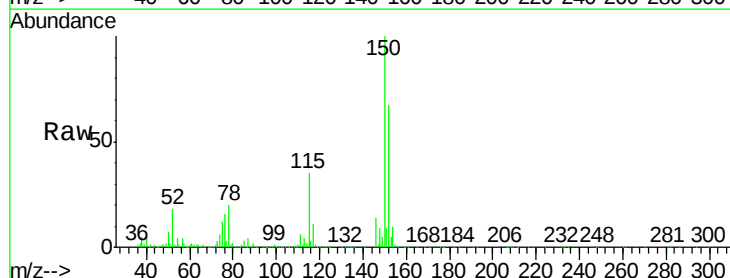
Tgt Ion:152 Resp: 435345

Ion Ratio Lower Upper

152 100

115 51.7 26.2 78.6

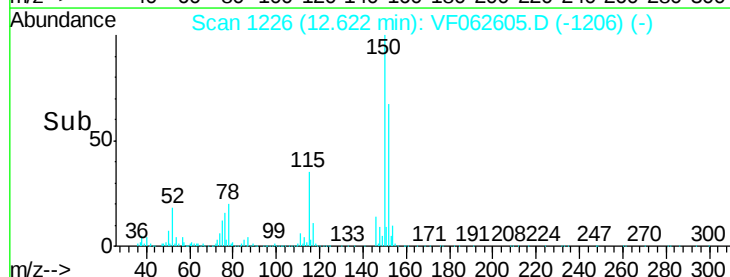
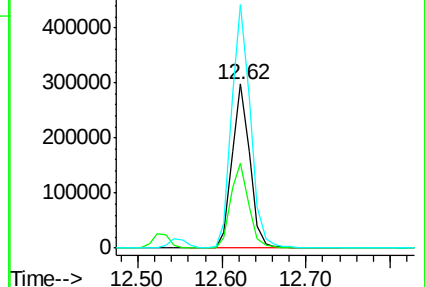
150 148.3 0.0 316.0

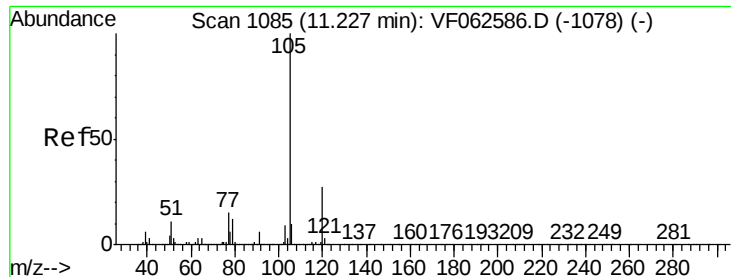


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 20.720 ug/l

RT: 11.22 min Scan# 1084

Delta R.T. -0.00 min

Lab File: VF062605.D

Acq: 15 May 2019 13:31

Instrument :

MSVOA_F

ClientSampleId :

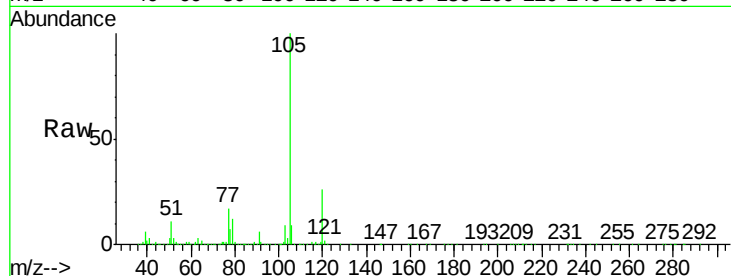
VF0515SBS01

Tot Ion:105 Resp: 606497

Ion Ratio Lower Upper

105 100

120 25.9 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.22

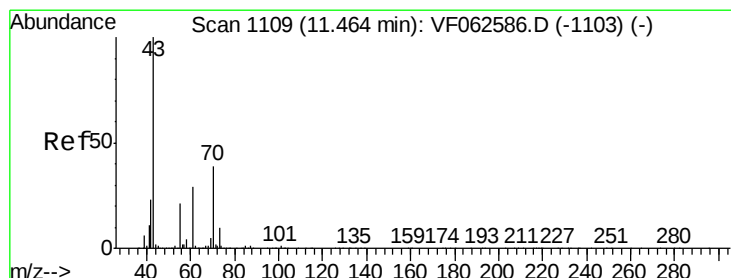
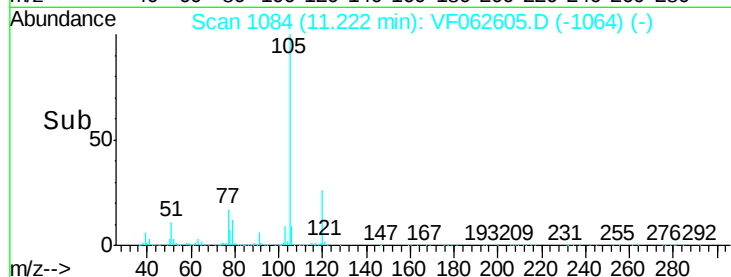
300000

200000

100000

0

Time--> 11.00 11.20 11.40



#74

N-ethyl acetate

Concen: 19.494 ug/l

RT: 11.46 min Scan# 1108

Delta R.T. -0.00 min

Lab File: VF062605.D

Acq: 15 May 2019 13:31

Tgt Ion: 43 Resp: 138551

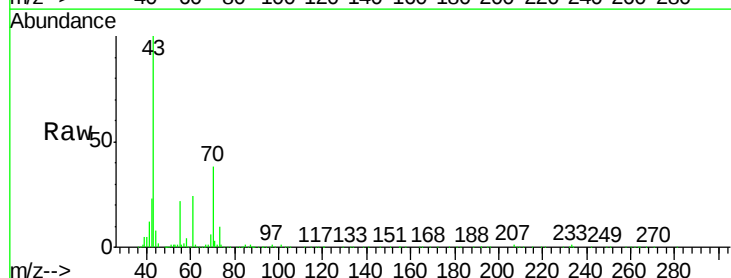
Ion Ratio Lower Upper

43 100

70 38.4 31.0 46.4

55 21.5 16.7 25.1

61 24.4 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

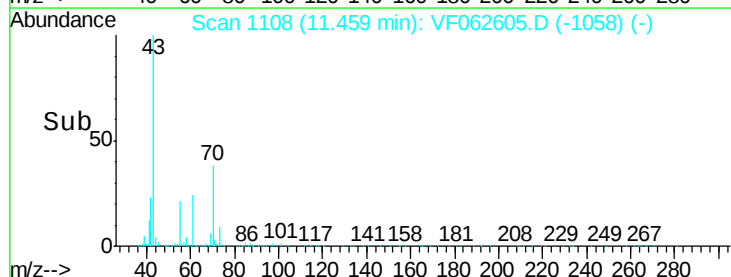
Ion 61.00 (60.70 to 61.70): VF0

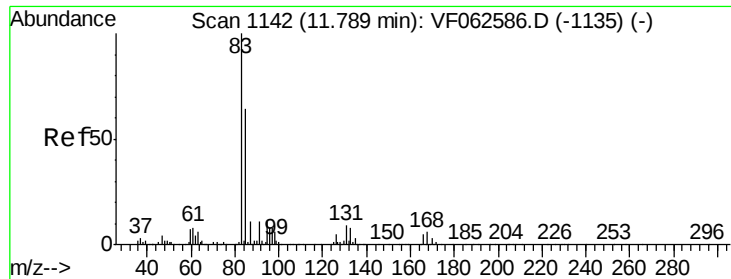
100000

50000

0

Time--> 11.40 11.50





#75

1,1,2,2-Tetrachloroethane

Concen: 19.834 ug/l

RT: 11.77 min Scan# 1140

Delta R.T. -0.01 min

Lab File: VF062605.D

Acq: 15 May 2019 13:31

Instrument :

MSVOA_F

ClientSampleId :

VF0515SBS01

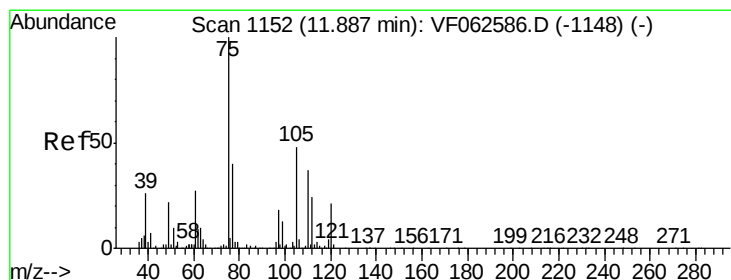
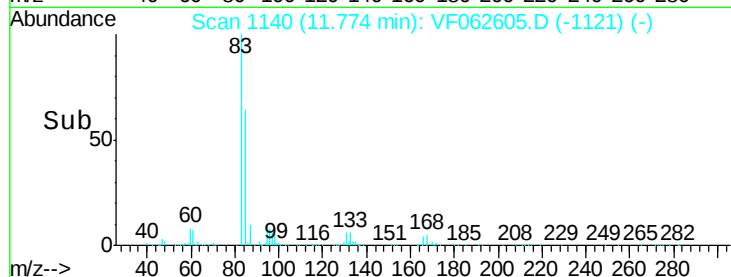
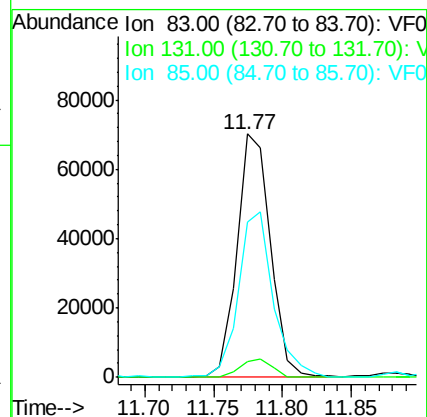
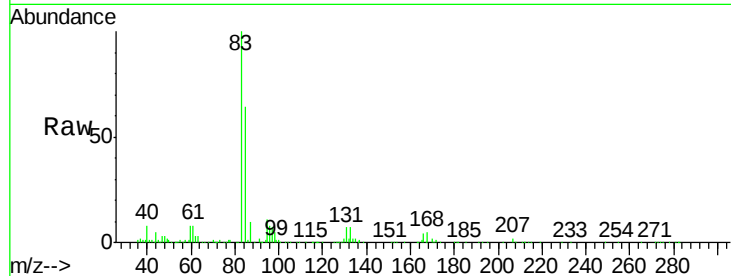
Tot Ion: 83 Resp: 118939

Ion Ratio Lower Upper

83 100

131 6.5 4.6 13.8

85 63.5 32.1 96.3



#76

1,2,3-Trichloropropane

Concen: 19.906 ug/l

RT: 11.88 min Scan# 1151

Delta R.T. -0.00 min

Lab File: VF062605.D

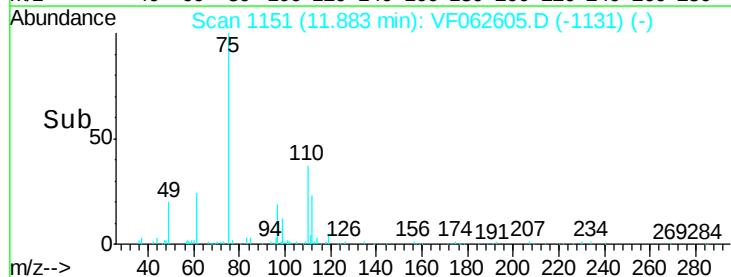
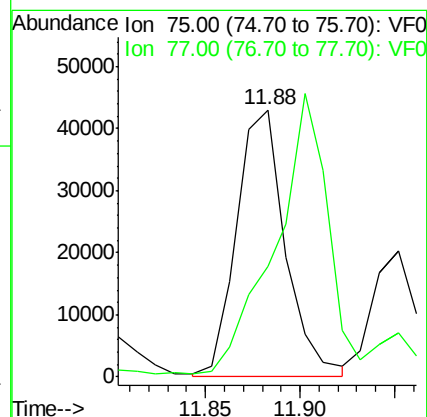
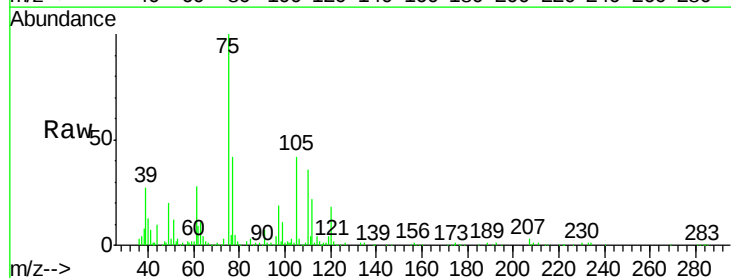
Acq: 15 May 2019 13:31

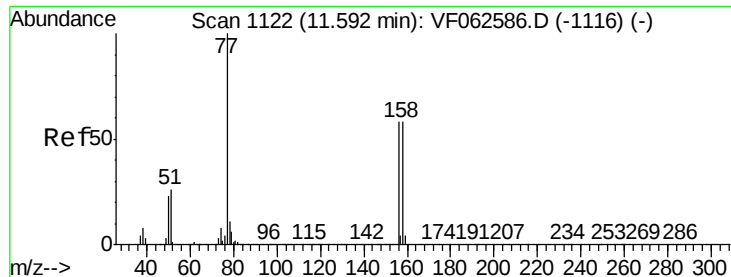
Tgt Ion: 75 Resp: 76527

Ion Ratio Lower Upper

75 100

77 41.5 20.4 61.3





#77

Bromobenzene

Concen: 20.611 ug/l

RT: 11.60 min Scan# 1122

Delta R.T. 0.01 min

Lab File: VF062605.D

Acq: 15 May 2019 13:31

Instrument :

MSVOA_F

ClientSampleId :

VF0515SBS01

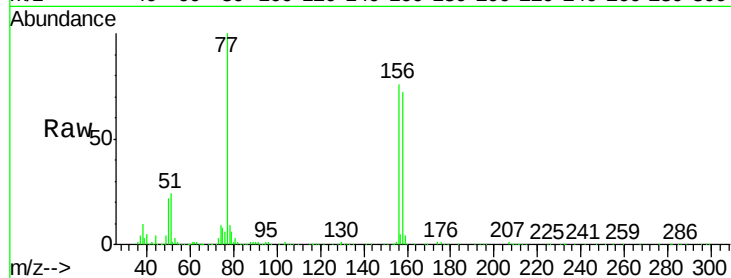
Tot Ion:156 Resp: 136340

Ion Ratio Lower Upper

156 100

77 131.8 86.5 259.5

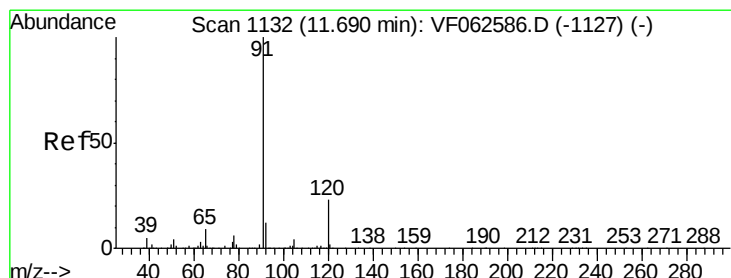
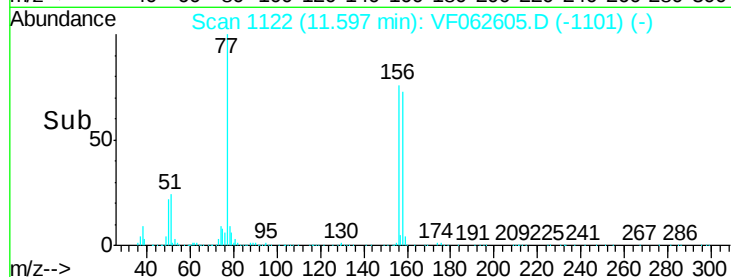
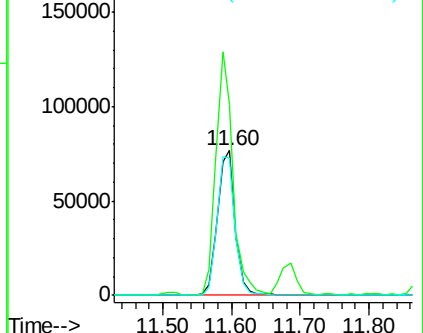
158 95.3 50.3 150.9



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 20.788 ug/l

RT: 11.69 min Scan# 1131

Delta R.T. -0.00 min

Lab File: VF062605.D

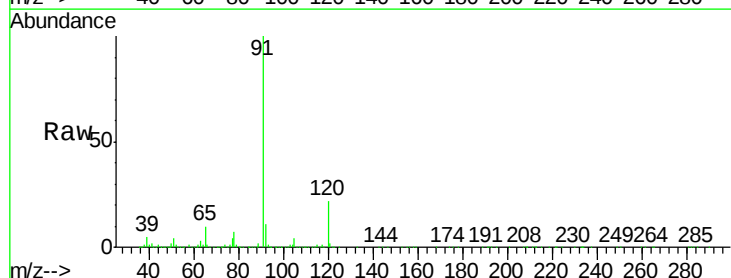
Acq: 15 May 2019 13:31

Tgt Ion: 91 Resp: 723768

Ion Ratio Lower Upper

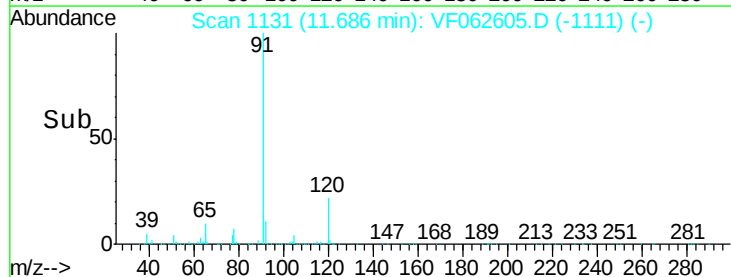
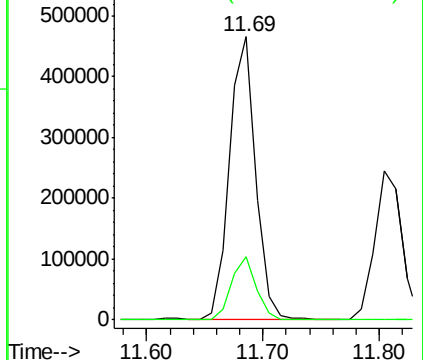
91 100

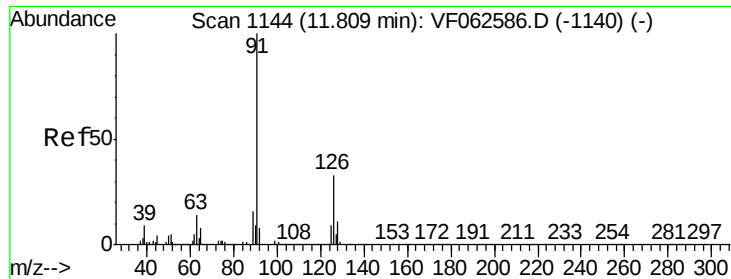
120 22.1 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

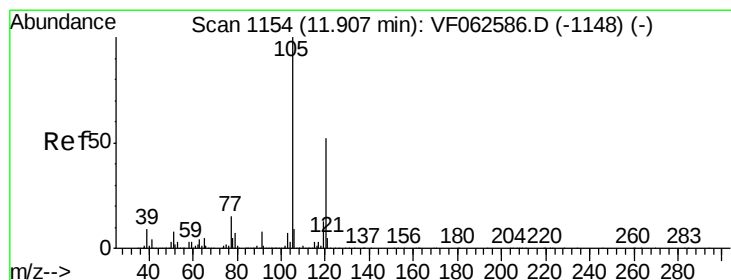
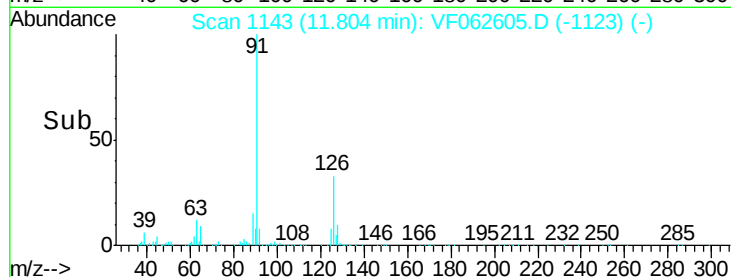
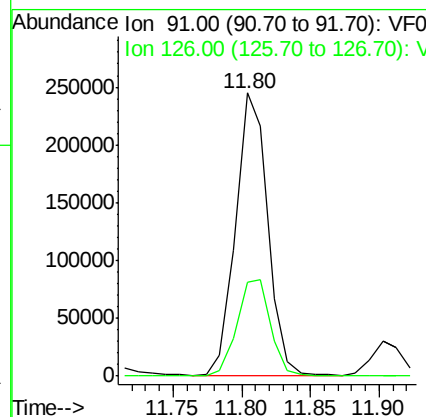
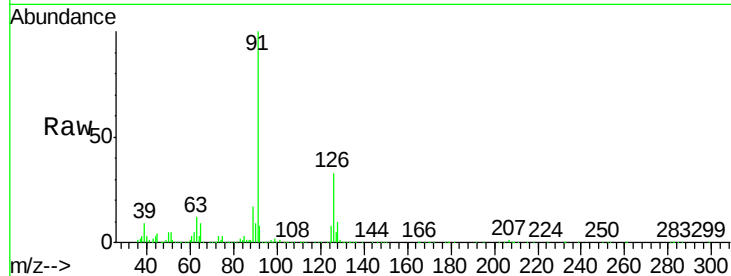




#79
 2-Chlorotoluene
 Concen: 20.607 ug/l
 RT: 11.80 min Scan# 1143
 Delta R.T. -0.00 min
 Lab File: VF062605.D
 Acq: 15 May 2019 13:31

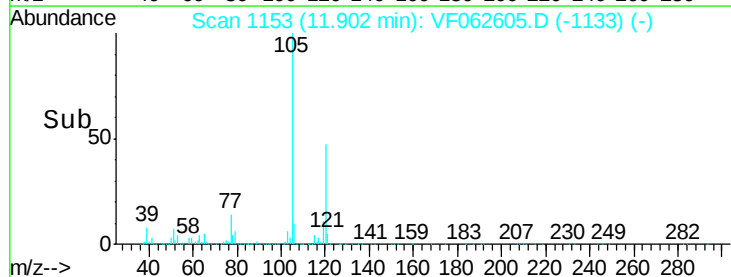
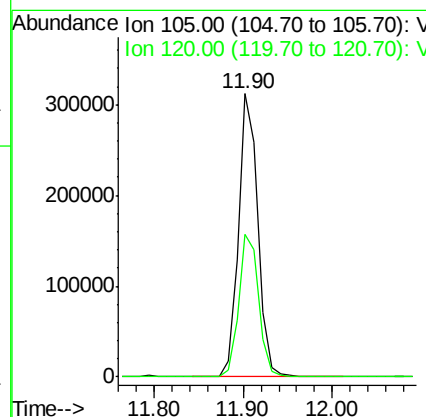
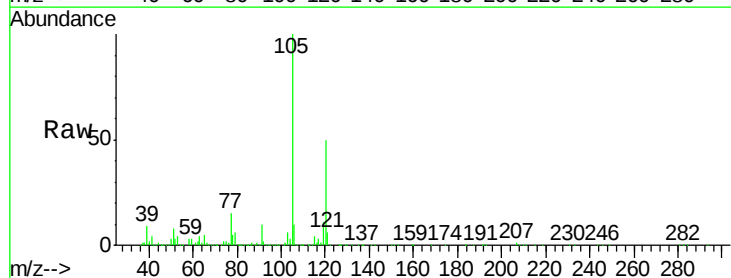
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0515SBS01

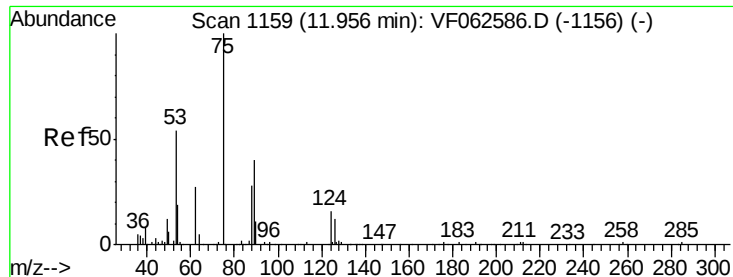
Tot Ion: 91 Resp: 395955
 Ion Ratio Lower Upper
 91 100
 126 33.2 16.6 49.8



#80
 1,3,5-Trimethylbenzene
 Concen: 20.962 ug/l
 RT: 11.90 min Scan# 1153
 Delta R.T. -0.00 min
 Lab File: VF062605.D
 Acq: 15 May 2019 13:31

Tgt Ion: 105 Resp: 480301
 Ion Ratio Lower Upper
 105 100
 120 50.4 25.9 77.6





#81

trans-1,4-Dichloro-2-butene

Concen: 20.872 ug/l m

RT: 11.95 min Scan# 1158

Delta R.T. -0.00 min

Lab File: VF062605.D

Acq: 15 May 2019 13:31

Instrument :

MSVOA_F

ClientSampleId :

VF0515SBS01

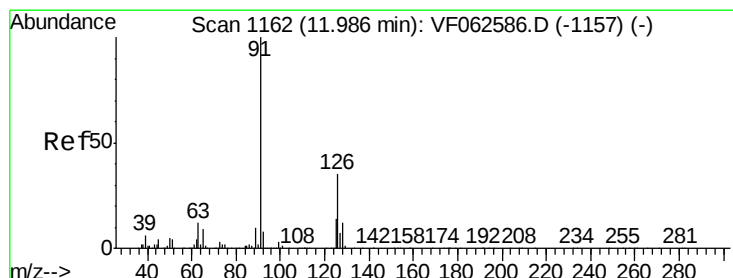
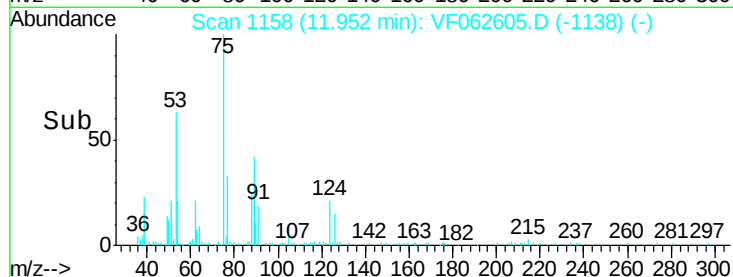
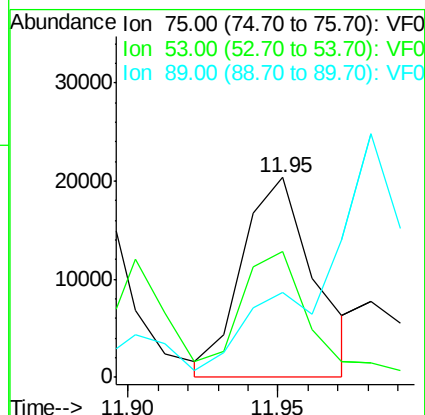
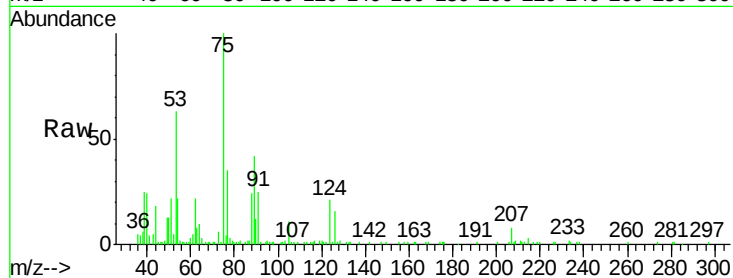
Tot Ion: 75 Resp: 34200

Ion Ratio Lower Upper

75 100

53 63.0 46.6 70.0

89 42.3 33.8 50.8



#82

4-Chlorotoluene

Concen: 21.054 ug/l

RT: 11.98 min Scan# 1161

Delta R.T. -0.00 min

Lab File: VF062605.D

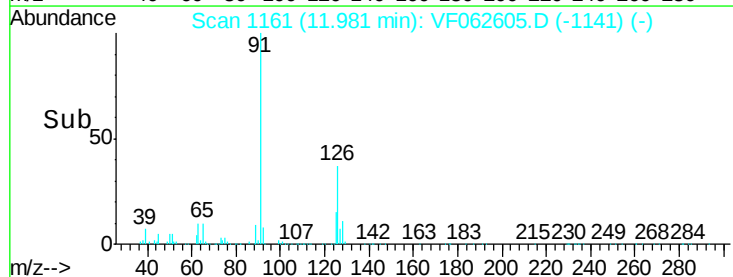
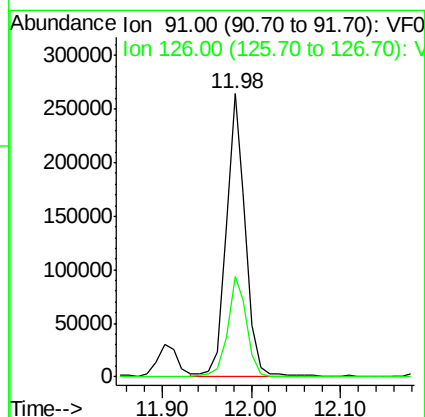
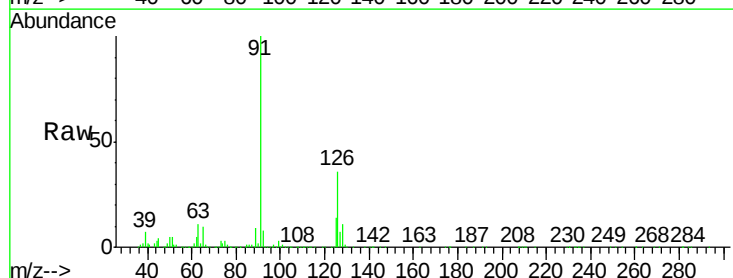
Acq: 15 May 2019 13:31

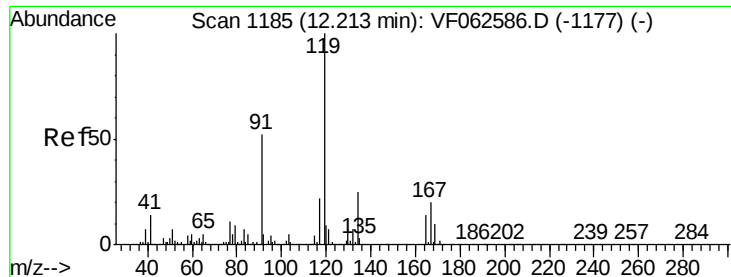
Tgt Ion: 91 Resp: 395559

Ion Ratio Lower Upper

91 100

126 35.7 17.5 52.5





#83

tert-Butylbenzene

Concen: 20.764 ug/l

RT: 12.21 min Scan# 1184

Delta R.T. -0.00 min

Lab File: VF062605.D

Acq: 15 May 2019 13:31

Instrument :

MSVOA_F

ClientSampleId :

VF0515SBS01

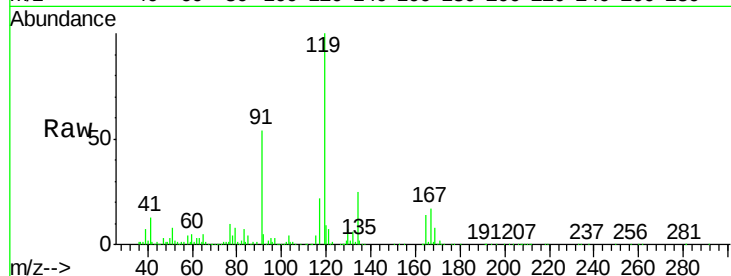
Tot Ion:119 Resp: 497674

Ion Ratio Lower Upper

119 100

91 53.7 26.0 78.0

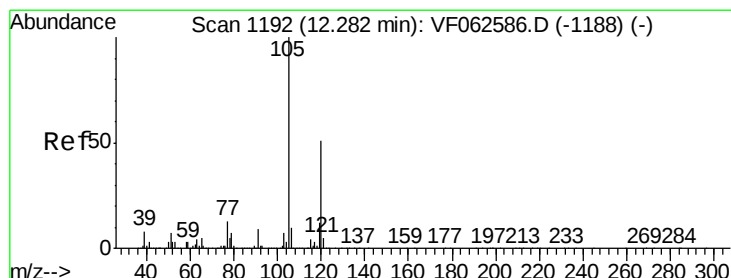
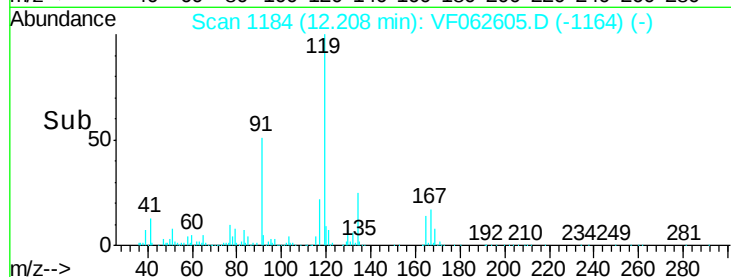
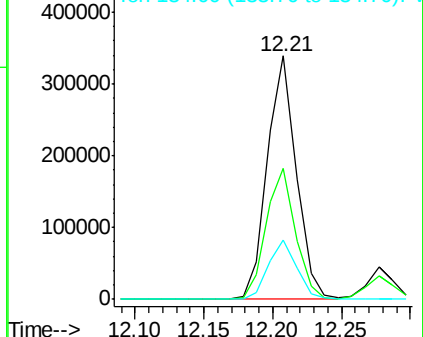
134 24.6 12.6 37.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 21.530 ug/l

RT: 12.28 min Scan# 1191

Delta R.T. -0.00 min

Lab File: VF062605.D

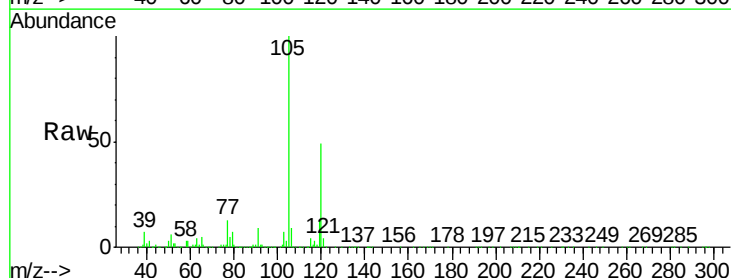
Acq: 15 May 2019 13:31

Tgt Ion:105 Resp: 484588

Ion Ratio Lower Upper

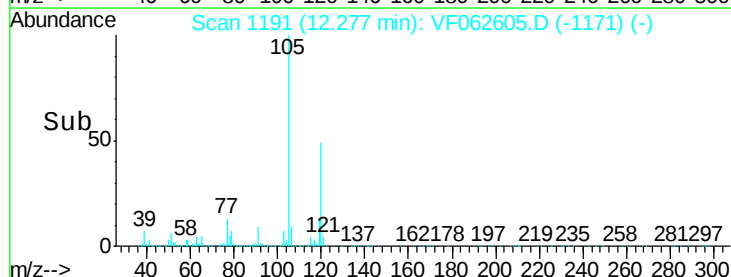
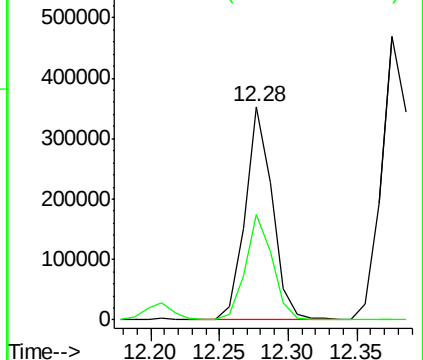
105 100

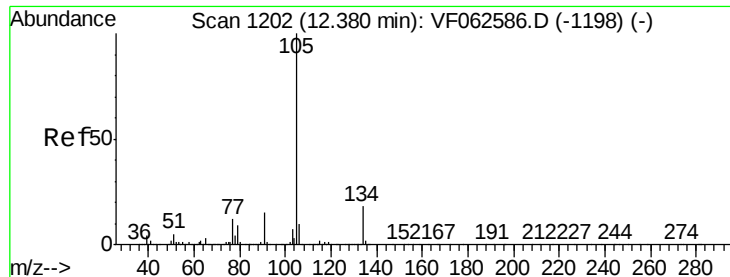
120 49.2 25.4 76.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 20.758 ug/l

RT: 12.38 min Scan# 1201

Delta R.T. -0.00 min

Lab File: VF062605.D

Acq: 15 May 2019 13:31

Instrument :

MSVOA_F

ClientSampleId :

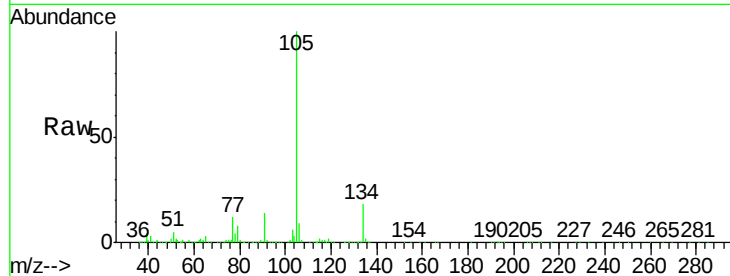
VF0515SBS01

Tot Ion:105 Resp: 675474

Ion Ratio Lower Upper

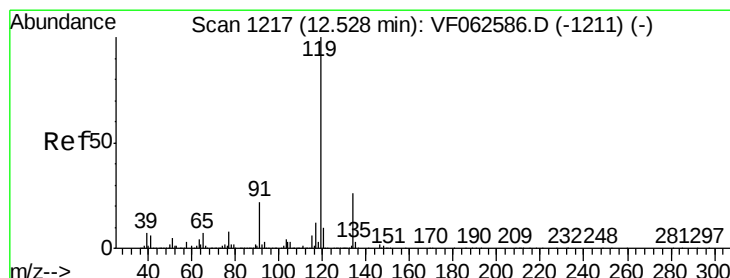
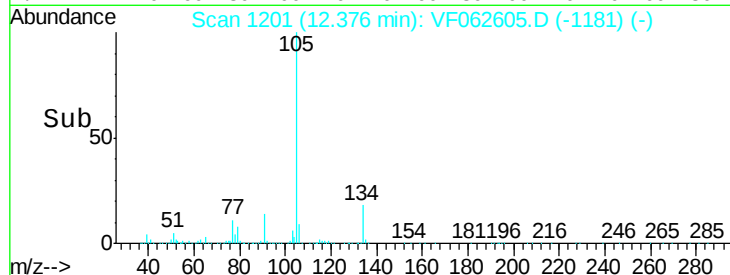
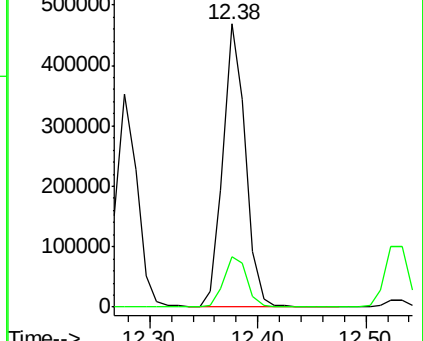
105 100

134 17.9 9.3 27.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.568 ug/l

RT: 12.52 min Scan# 1216

Delta R.T. -0.00 min

Lab File: VF062605.D

Acq: 15 May 2019 13:31

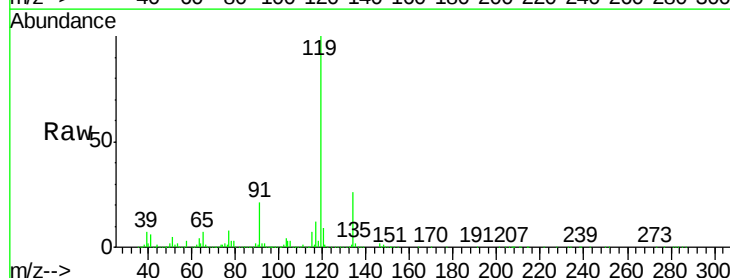
Tgt Ion:119 Resp: 577714

Ion Ratio Lower Upper

119 100

134 25.9 13.0 39.0

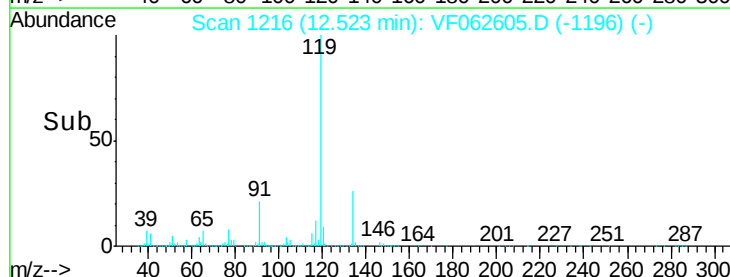
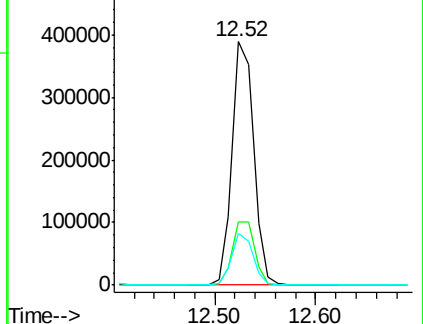
91 21.3 10.9 32.9

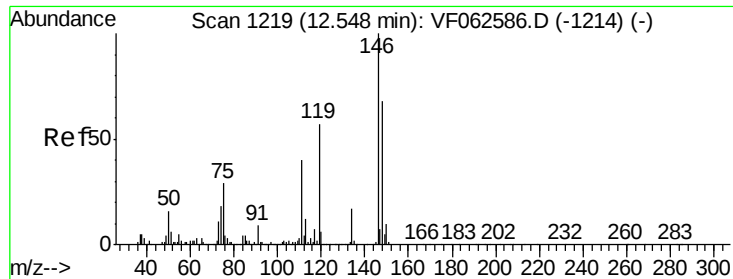


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

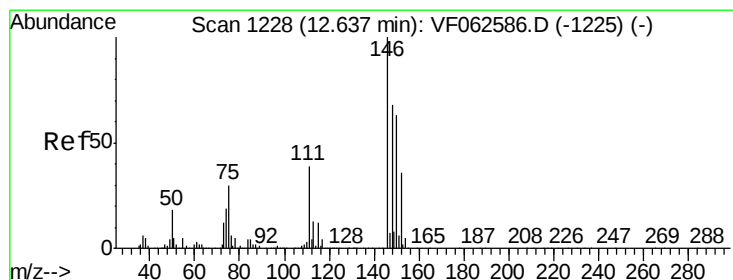
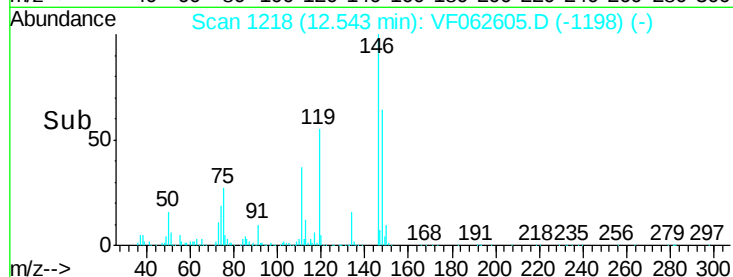
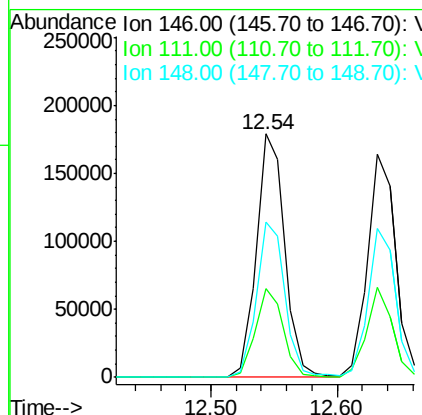
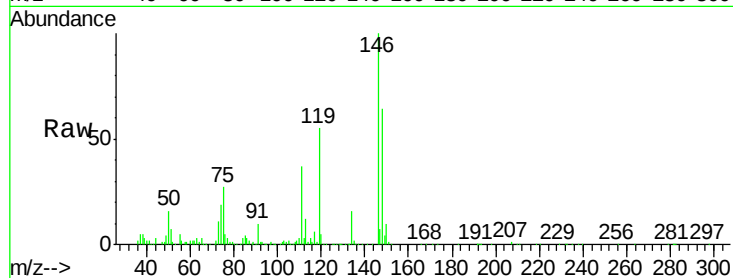




#87
 1,3-Dichlorobenzene
 Concen: 21.786 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. -0.00 min
 Lab File: VF062605.D
 Acq: 15 May 2019 13:31

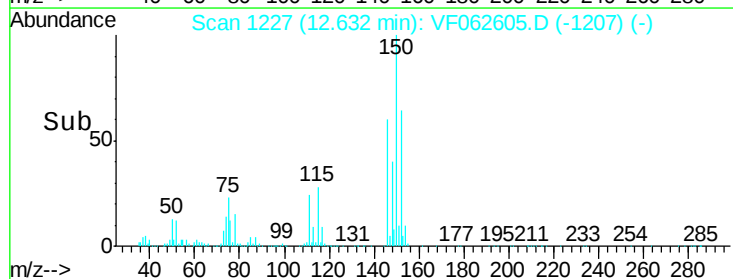
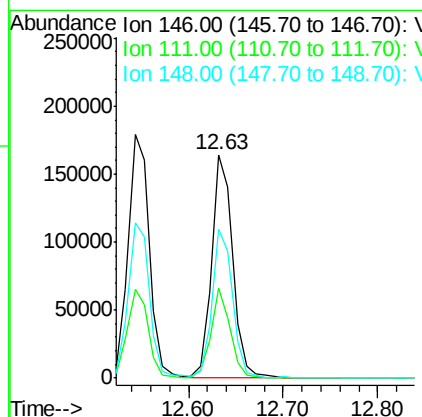
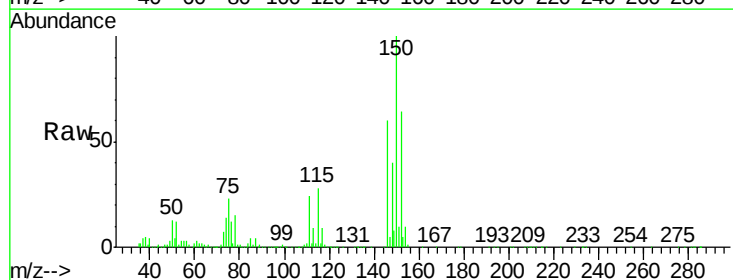
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0515SBS01

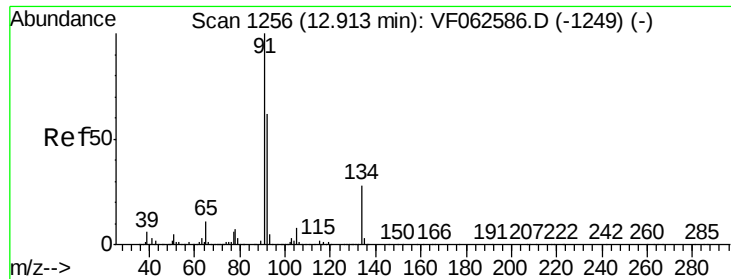
Tot Ion	Ratio	Lower	Upper
146	100		
111	36.6	20.1	60.2
148	63.9	34.0	101.8



#88
 1,4-Dichlorobenzene
 Concen: 21.063 ug/l
 RT: 12.63 min Scan# 1227
 Delta R.T. -0.00 min
 Lab File: VF062605.D
 Acq: 15 May 2019 13:31

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.4	19.4	58.1
148	66.6	34.2	102.5

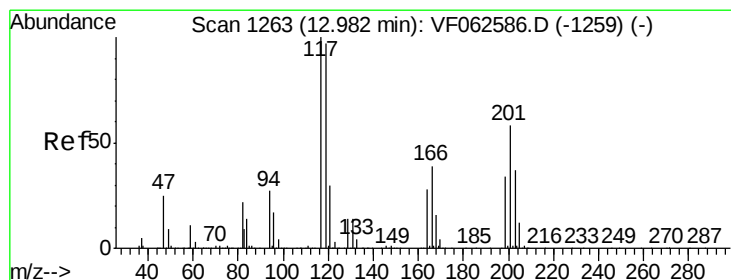
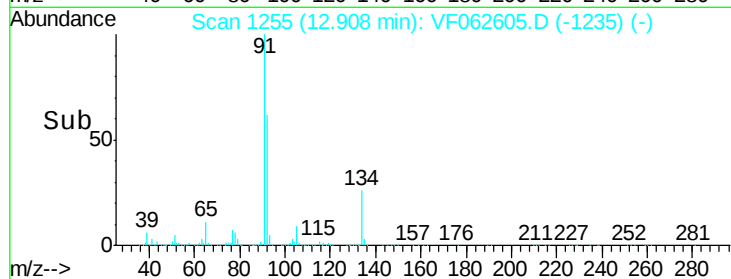
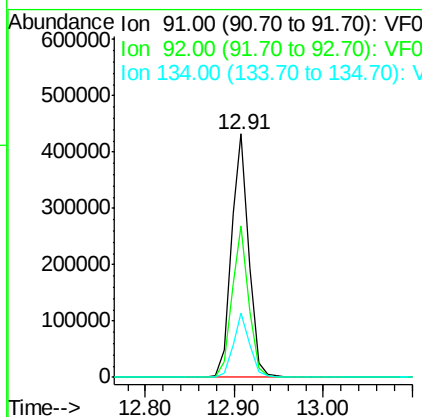
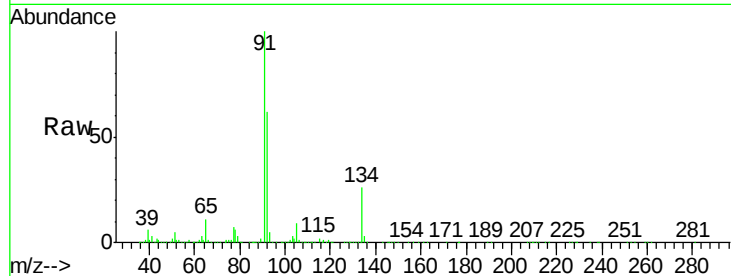




#89
n-Butylbenzene
Concen: 21.804 ug/l
RT: 12.91 min Scan# 1255
Delta R.T. -0.00 min
Lab File: VF062605.D
Acq: 15 May 2019 13:31

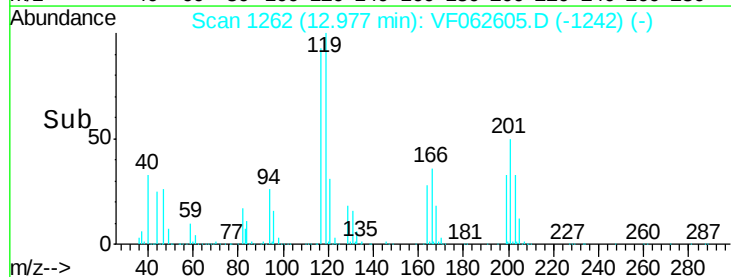
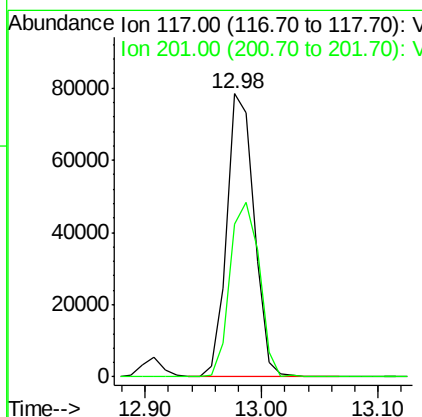
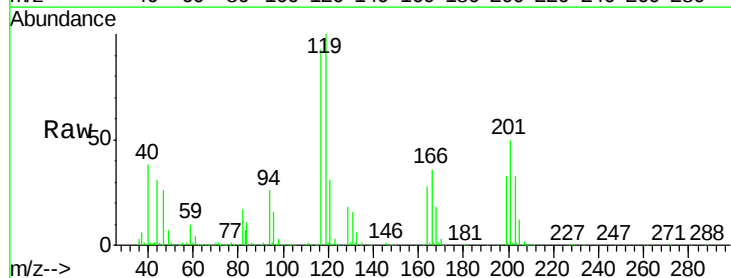
Instrument :
MSVOA_F
ClientSampleId :
VF0515SBS01

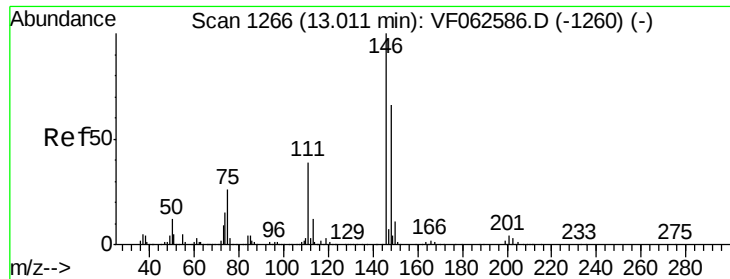
Tot Ion	Ratio	Lower	Upper
91	100		
92	62.1	30.9	92.8
134	26.4	13.9	41.6



#90
Hexachloroethane
Concen: 18.751 ug/l
RT: 12.98 min Scan# 1262
Delta R.T. -0.00 min
Lab File: VF062605.D
Acq: 15 May 2019 13:31

Tgt Ion	Ratio	Lower	Upper
117	100		
201	54.0	29.7	89.1





#91

1,2-Dichlorobenzene

Concen: 20.682 ug/l

RT: 13.01 min Scan# 1265

Delta R.T. -0.00 min

Lab File: VF062605.D

Acq: 15 May 2019 13:31

Instrument :

MSVOA_F

ClientSampleId :

VF0515SBS01

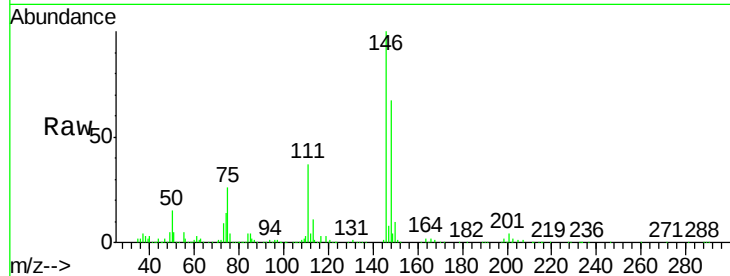
Tot Ion:146 Resp: 237380

Ion Ratio Lower Upper

146 100

111 37.3 19.4 58.2

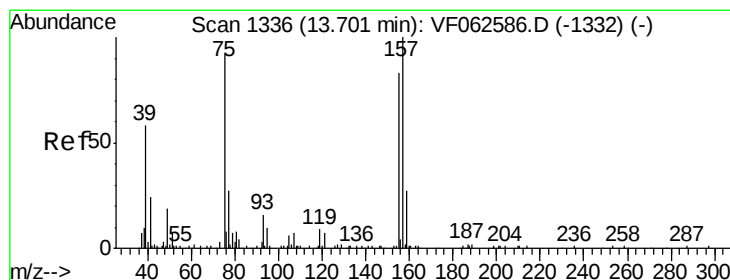
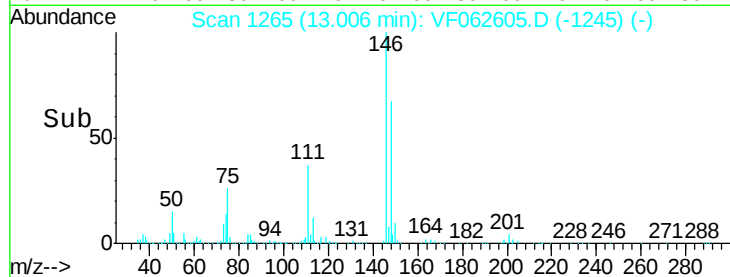
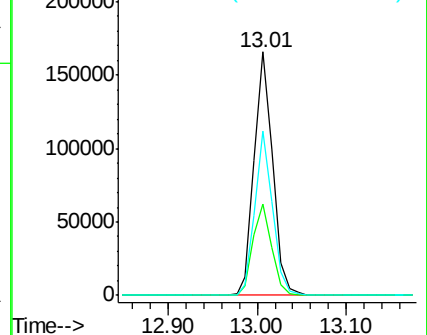
148 67.4 33.1 99.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 21.271 ug/l

RT: 13.70 min Scan# 1335

Delta R.T. -0.00 min

Lab File: VF062605.D

Acq: 15 May 2019 13:31

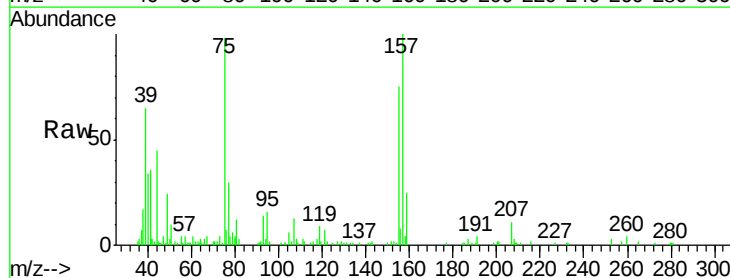
Tgt Ion: 75 Resp: 15668

Ion Ratio Lower Upper

75 100

155 76.5 44.8 134.4

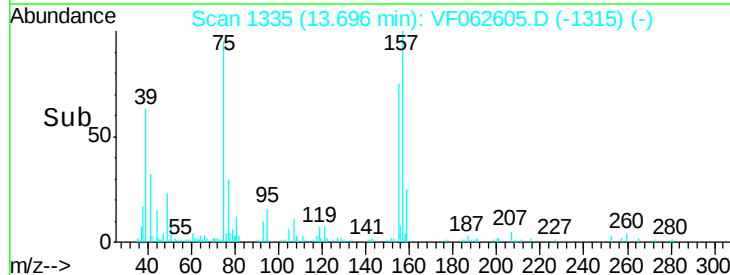
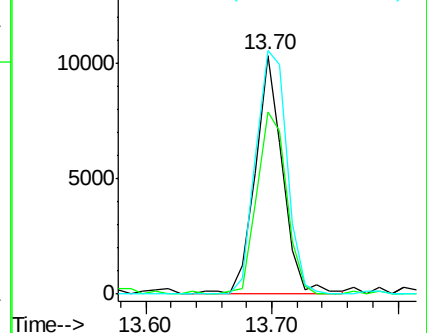
157 102.0 54.1 162.3

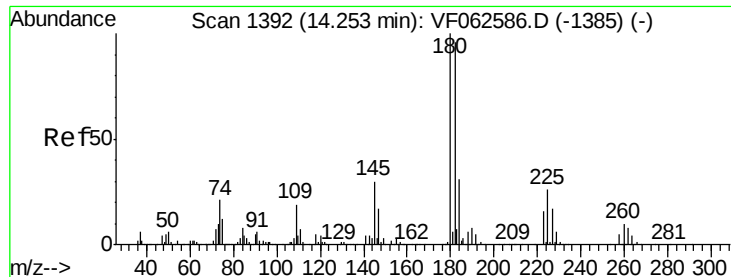


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V





#93

1,2,4-Trichlorobenzene

Concen: 20.677 ug/l

RT: 14.25 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VF062605.D

Acq: 15 May 2019 13:31

Instrument :

MSVOA_F

ClientSampleId :

VF0515SBS01

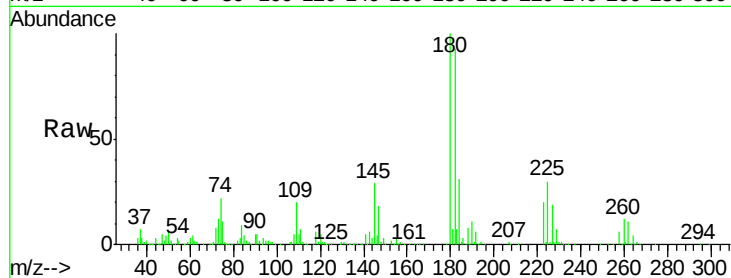
Tot Ion:180 Resp: 165031

Ion Ratio Lower Upper

180 100

182 93.1 47.9 143.8

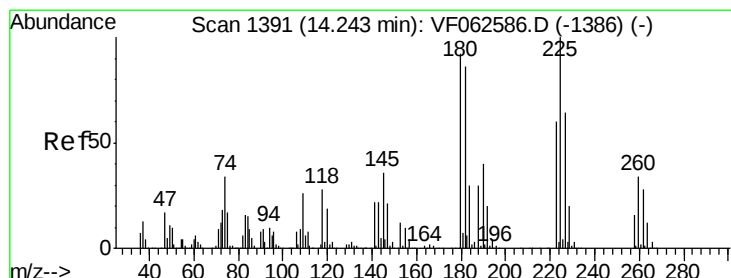
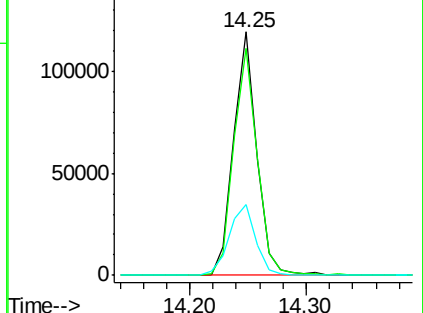
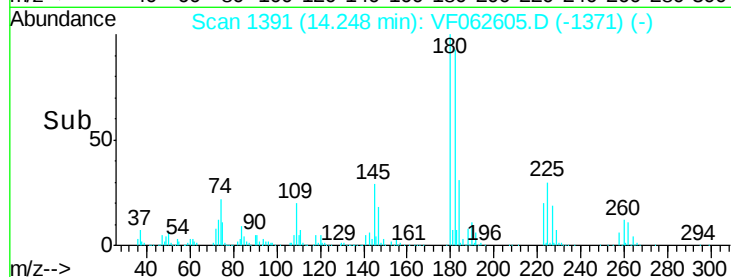
145 29.1 14.8 44.4



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#94

Hexachlorobutadiene

Concen: 20.409 ug/l

RT: 14.24 min Scan# 1390

Delta R.T. -0.00 min

Lab File: VF062605.D

Acq: 15 May 2019 13:31

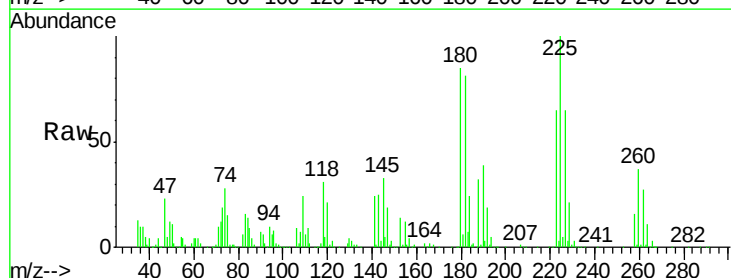
Tgt Ion:225 Resp: 118327

Ion Ratio Lower Upper

225 100

223 64.8 29.9 89.7

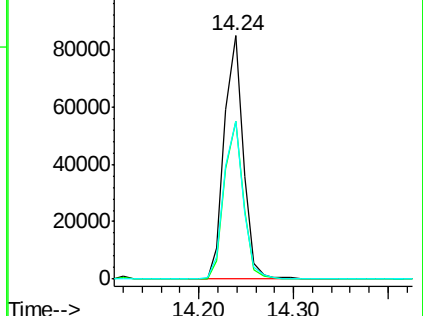
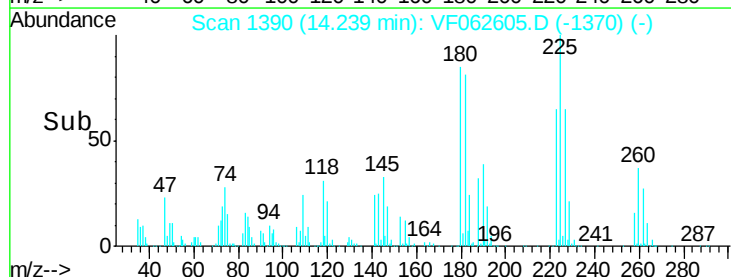
227 64.7 31.9 95.9

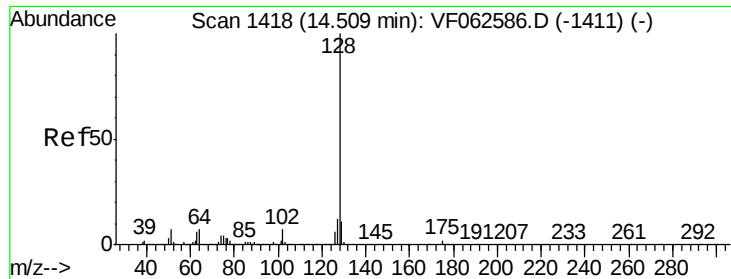


Abundance Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





#95

Naphthalene

Concen: 19.678 ug/l

RT: 14.50 min Scan# 1417

Delta R.T. -0.00 min

Lab File: VF062605.D

Acq: 15 May 2019 13:31

Instrument :

MSVOA_F

ClientSampleId :

VF0515SBS01

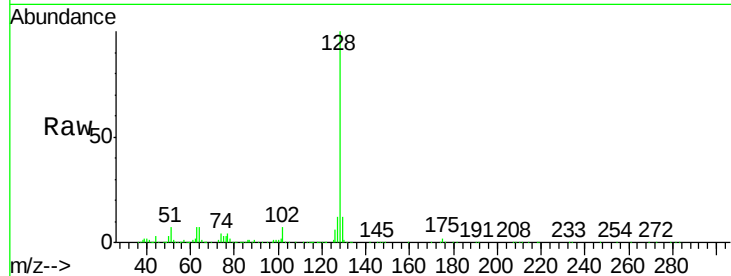
Tot Ion:128 Resp: 255631

Ion Ratio Lower Upper

128 100

127 12.3 9.5 14.3

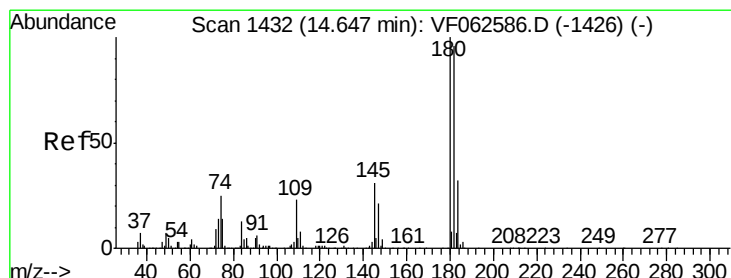
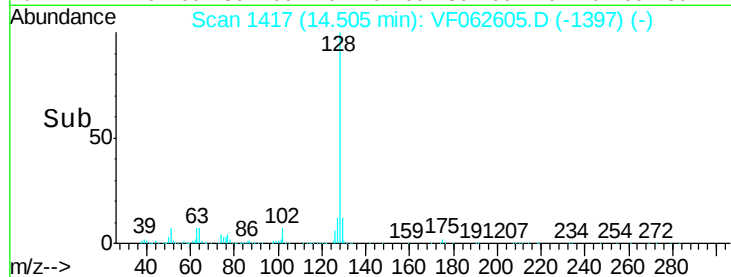
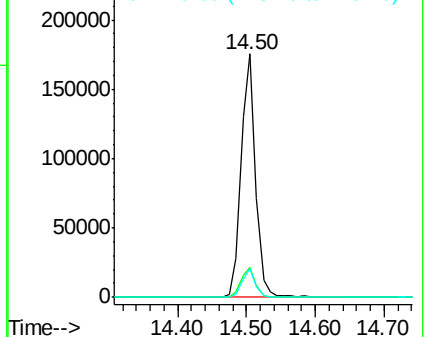
129 11.5 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 20.532 ug/l

RT: 14.65 min Scan# 1432

Delta R.T. 0.01 min

Lab File: VF062605.D

Acq: 15 May 2019 13:31

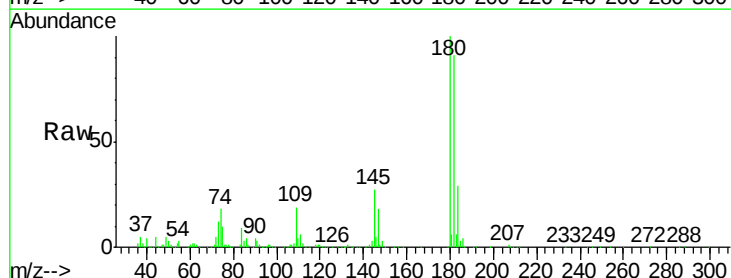
Tgt Ion:180 Resp: 152027

Ion Ratio Lower Upper

180 100

182 91.2 48.1 144.3

145 26.8 15.6 46.7



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

