

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 13:54:05 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	65554	8.364	ug/l	96
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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 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	42950	26.212	ug/l	96
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

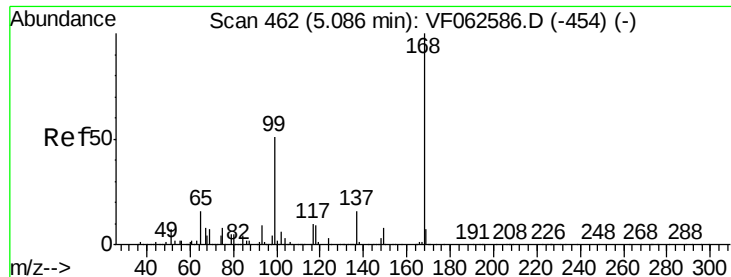
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF051519\
Data File : VF062605.D
Acq On : 15 May 2019 13:31
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F051419S.M
Quant Title : SW846 8260
QLast Update : Wed May 15 05:06:28 2019
Response via : Initial 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 :

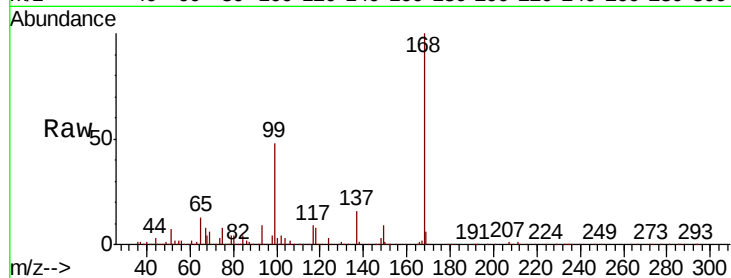
VF0515SBS01

Tgt 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

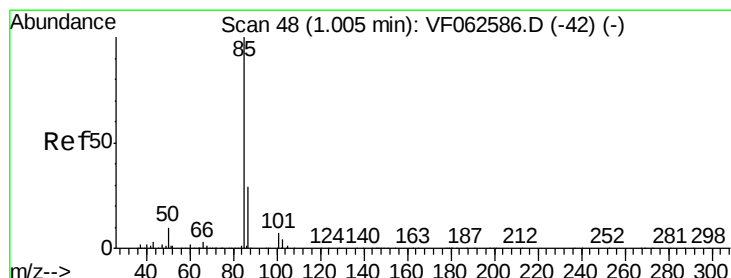
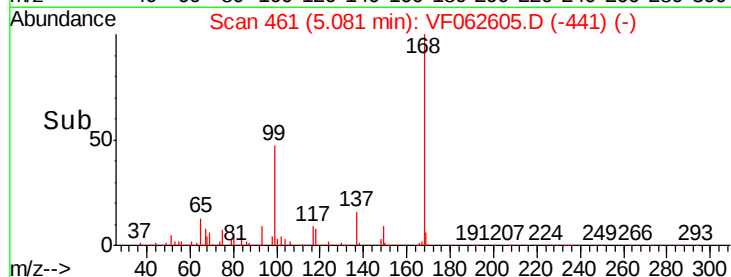
100000

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

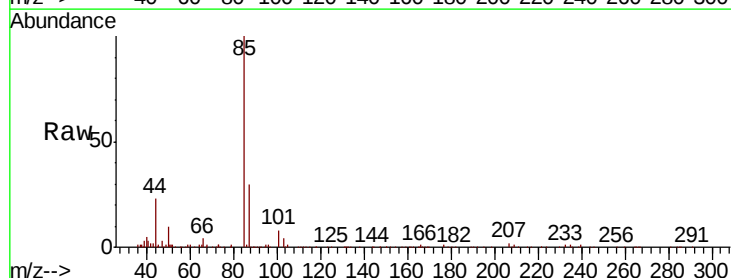
Acq: 15 May 2019 13:31

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

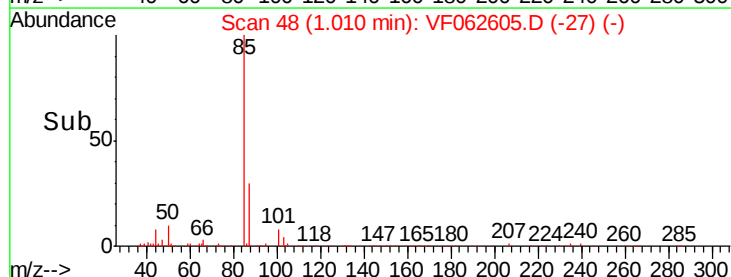
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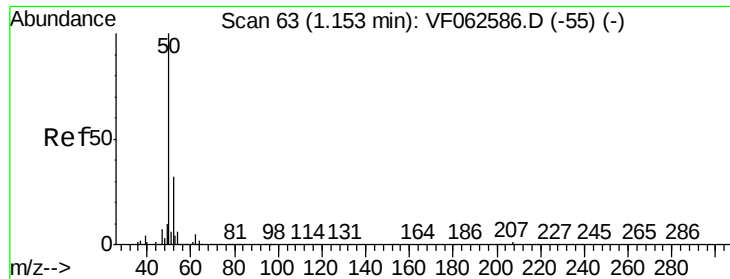
10000

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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 :

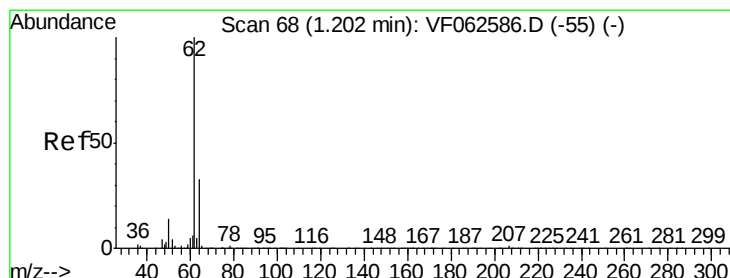
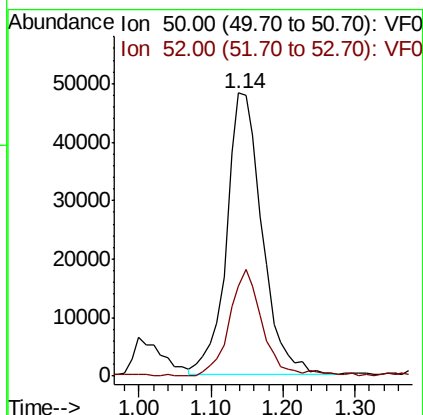
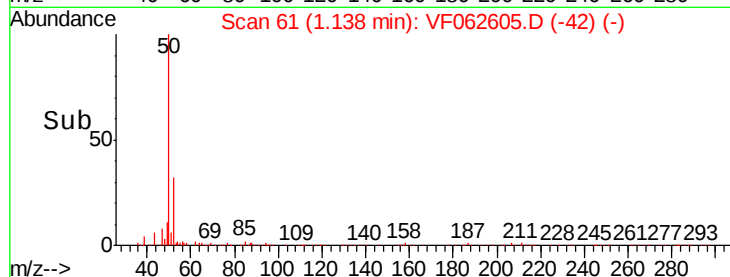
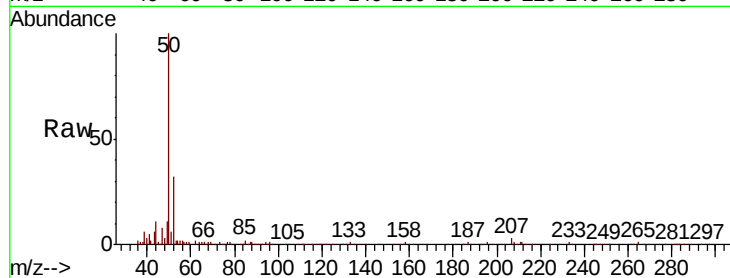
VF0515SBS01

Tgt 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

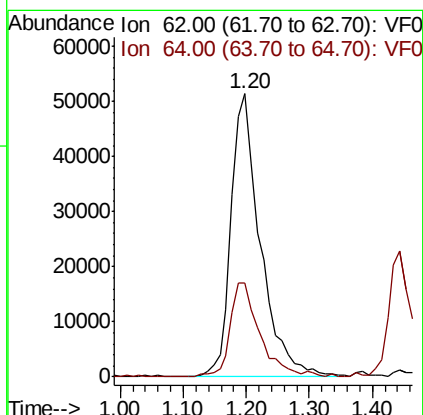
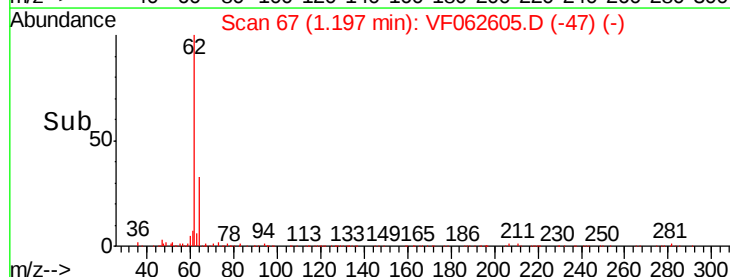
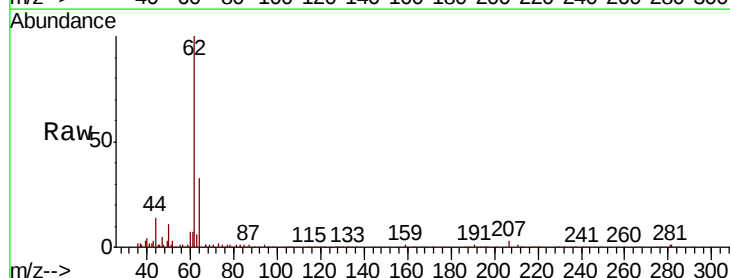
Acq: 15 May 2019 13:31

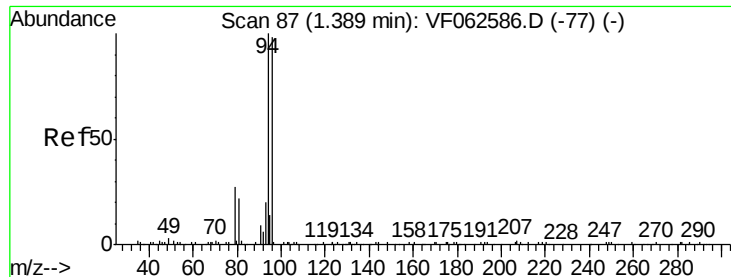
Tgt Ion: 62 Resp: 164959

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 :

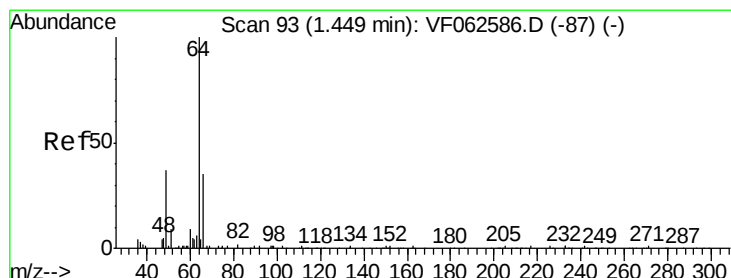
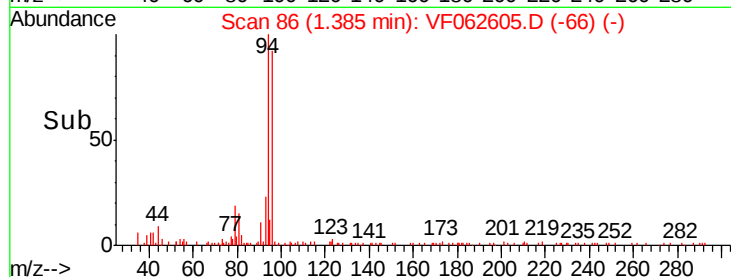
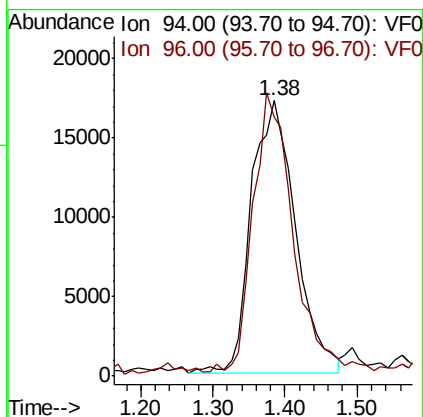
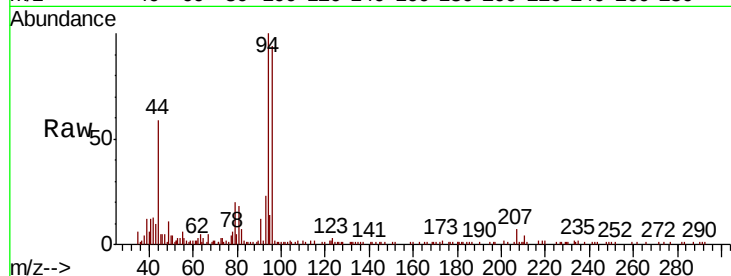
VF0515SBS01

Tgt 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

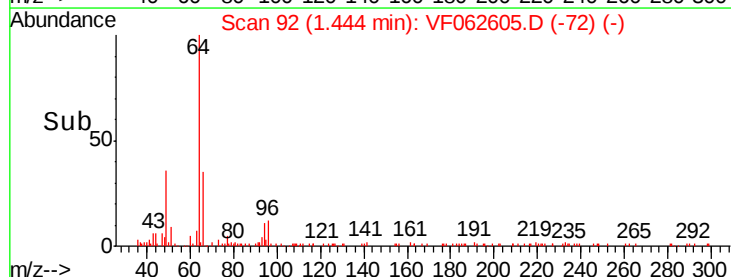
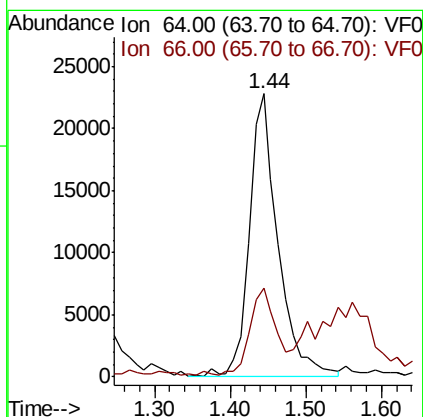
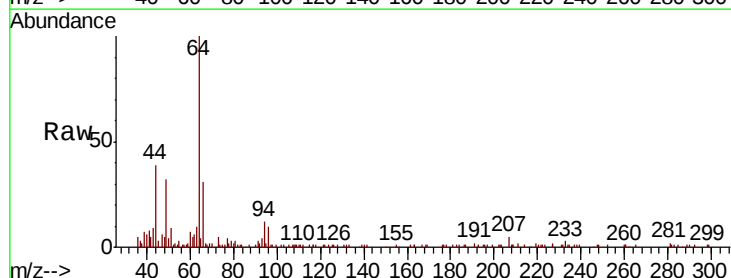
Acq: 15 May 2019 13:31

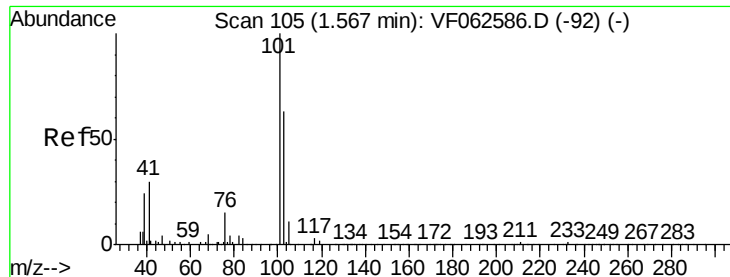
Tgt Ion: 64 Resp: 60341

Ion Ratio Lower Upper

64 100

66 31.3 28.9 43.3



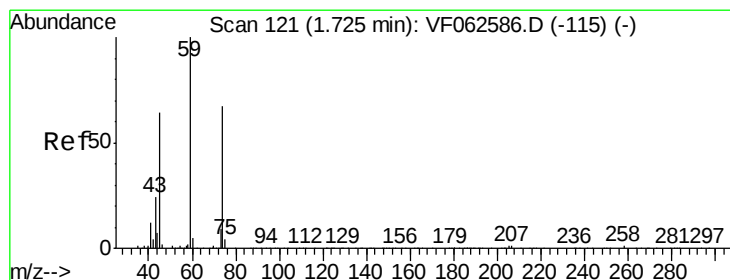
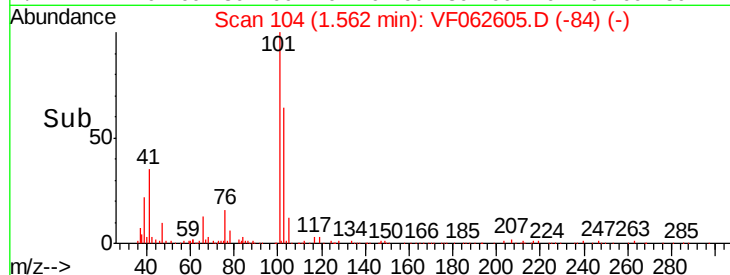
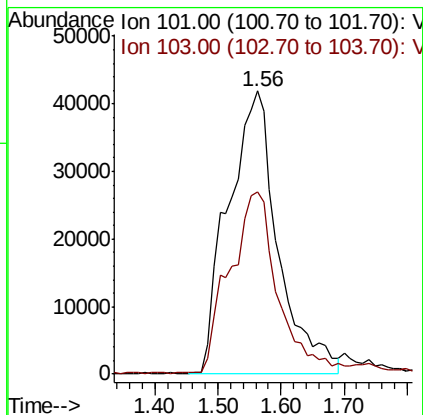
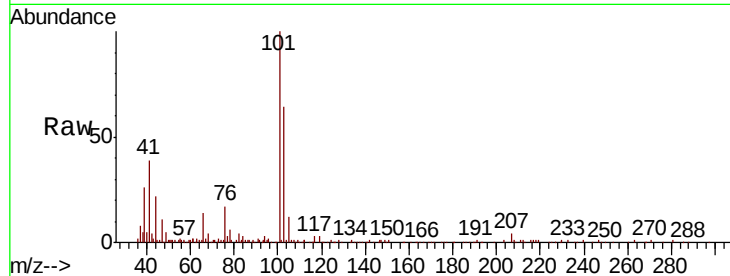


#7

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

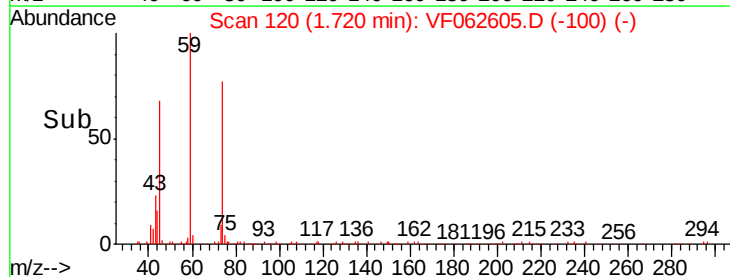
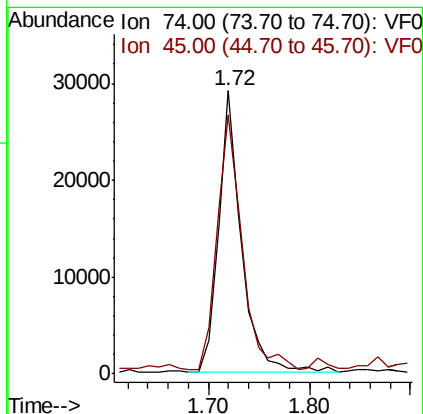
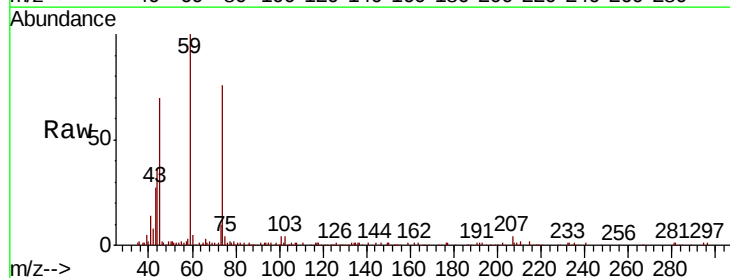
Tgt Ion:101 Resp: 231767
Ion Ratio Lower Upper
101 100
103 63.7 50.8 76.2

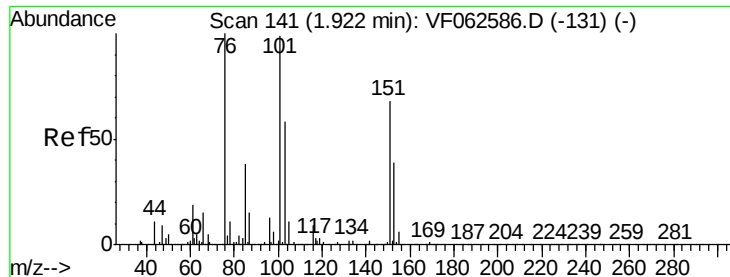


#8

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

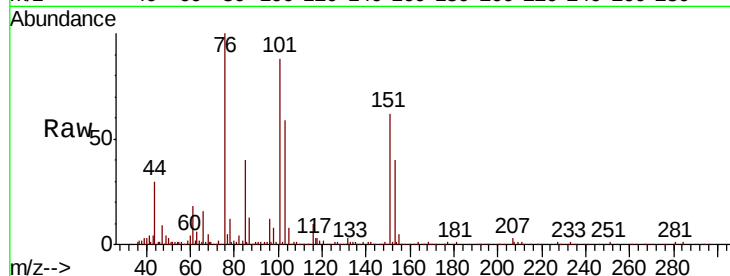
Tgt Ion:101 Resp: 150179

Ion Ratio Lower Upper

101 100

85 44.6 30.2 45.4

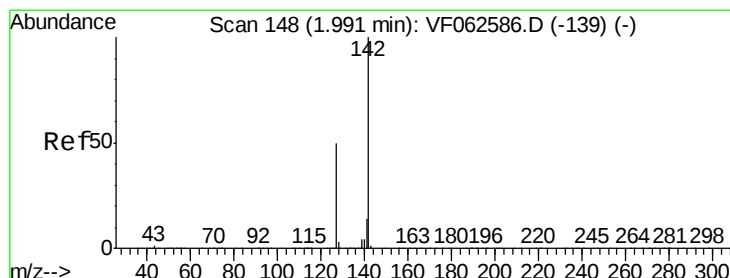
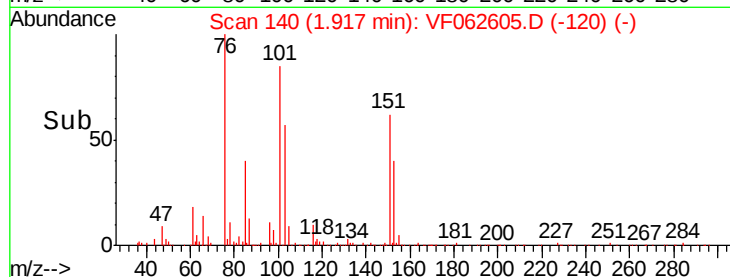
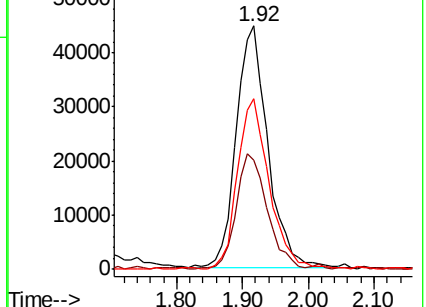
151 69.5 54.5 81.7



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

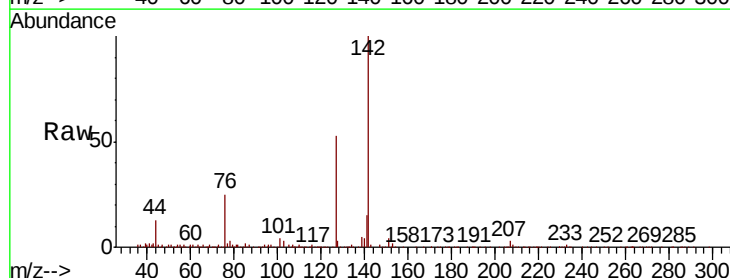
Tgt Ion:142 Resp: 273510

Ion Ratio Lower Upper

142 100

127 53.2 40.2 60.4

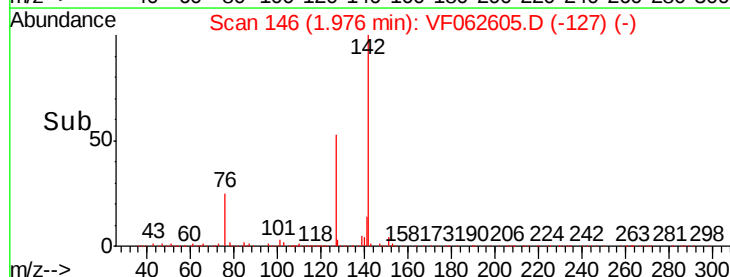
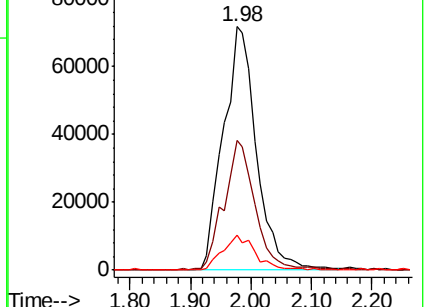
141 14.6 11.6 17.4

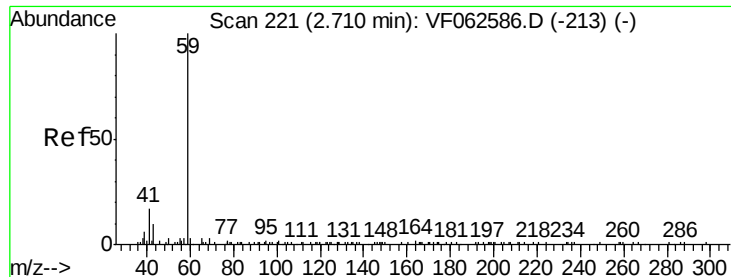


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



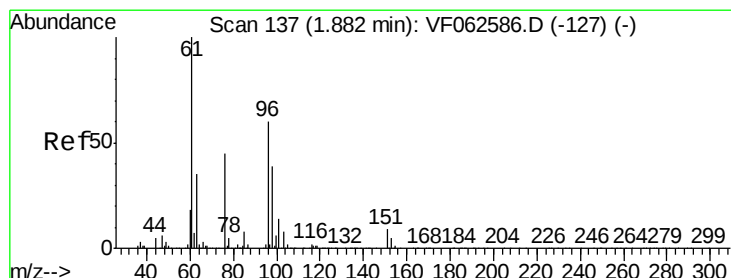
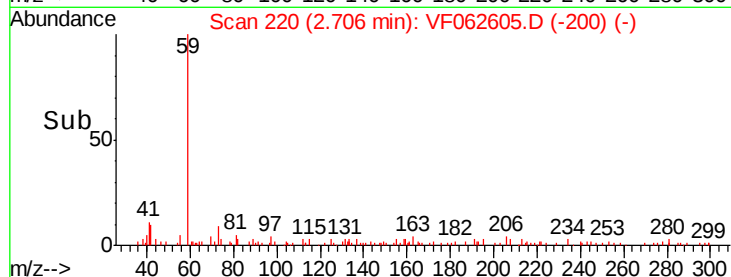
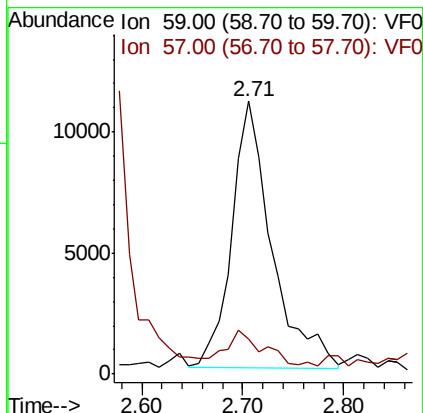
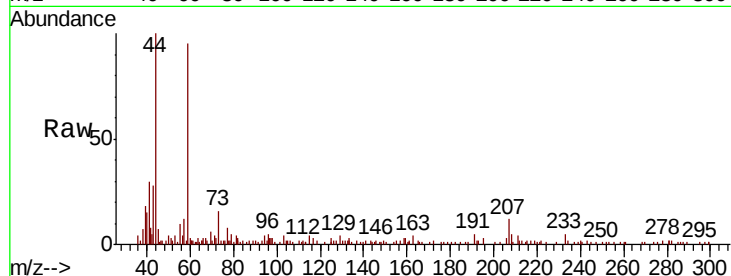


#11

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

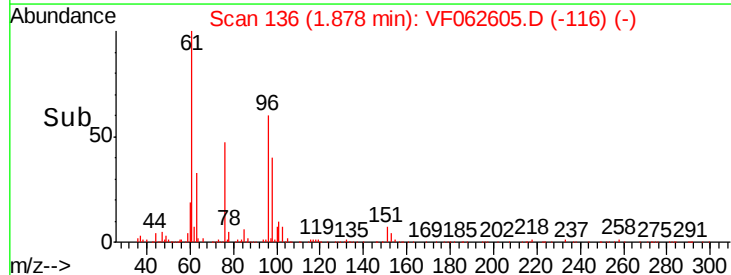
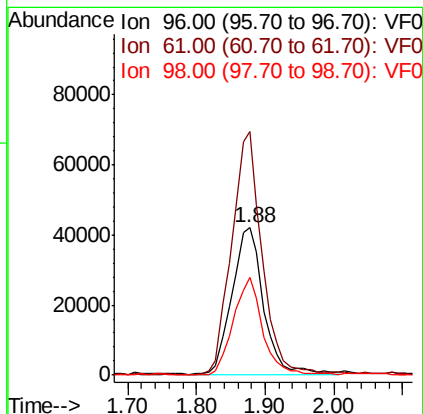
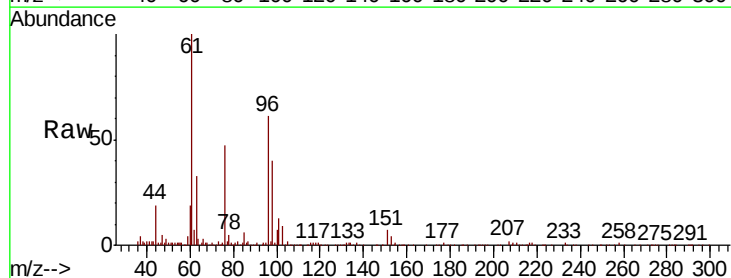
Tgt Ion: 59 Resp: 30394
Ion Ratio Lower Upper
59 100
57 12.9 8.0 12.0#

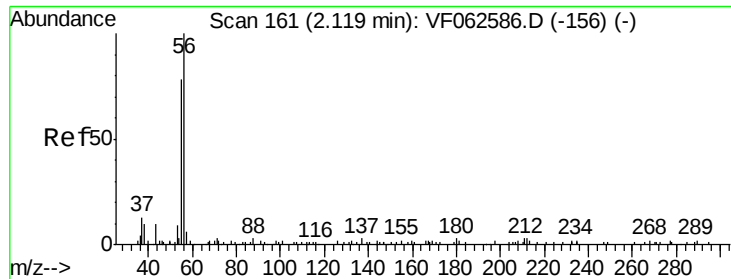


#12

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 :

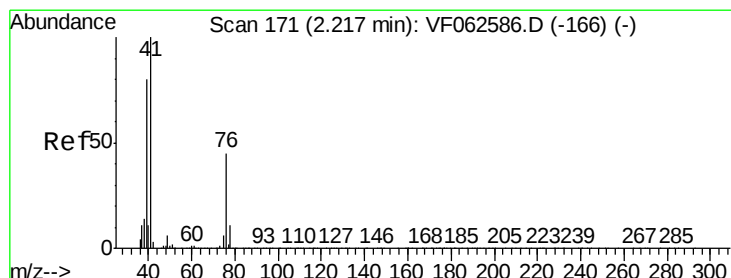
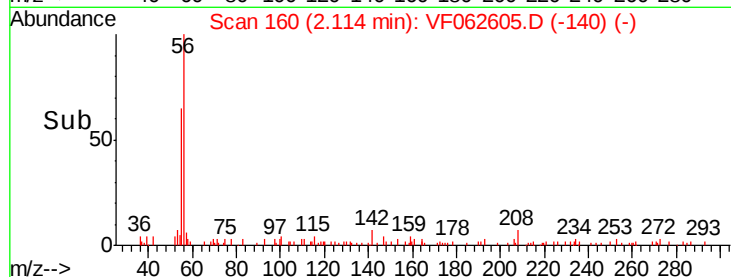
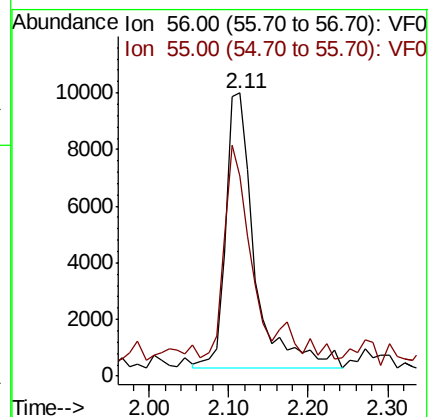
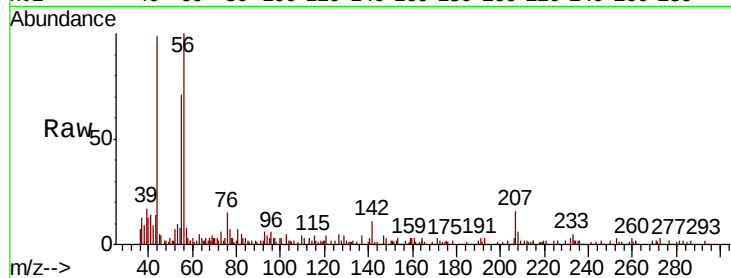
VF0515SBS01

Tgt 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

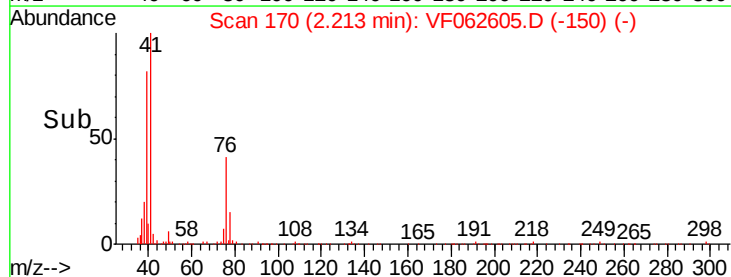
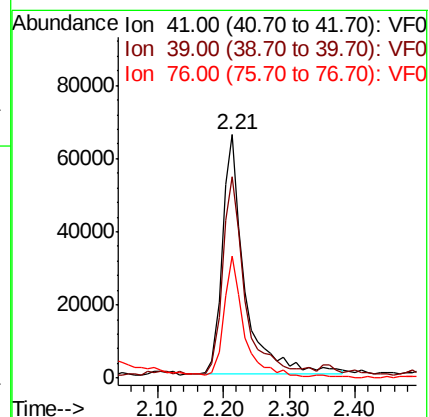
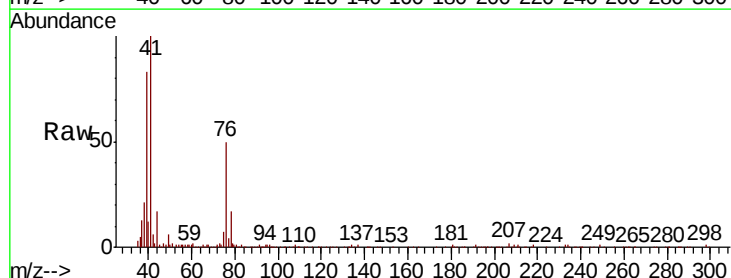
Tgt Ion: 41 Resp: 153567

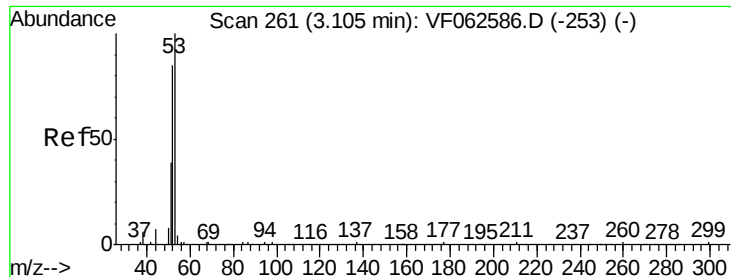
Ion Ratio Lower Upper

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

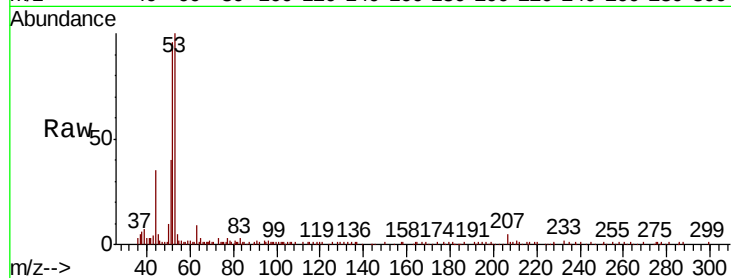
Tgt Ion: 53 Resp: 100276

Ion Ratio Lower Upper

53 100

52 96.3 68.3 102.5

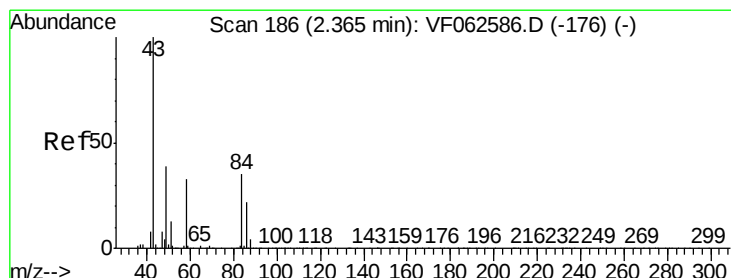
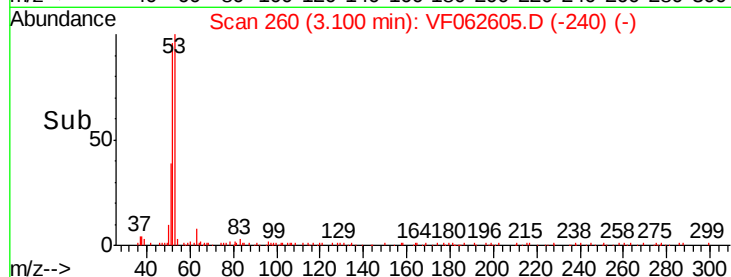
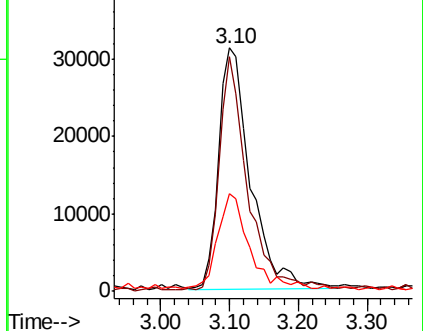
51 40.0 31.5 47.3



Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 110.827 ug/l

RT: 2.36 min Scan# 185

Delta R.T. -0.00 min

Lab File: VF062605.D

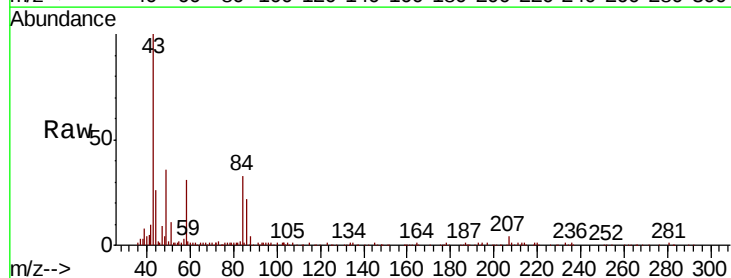
Acq: 15 May 2019 13:31

Tgt Ion: 43 Resp: 109716

Ion Ratio Lower Upper

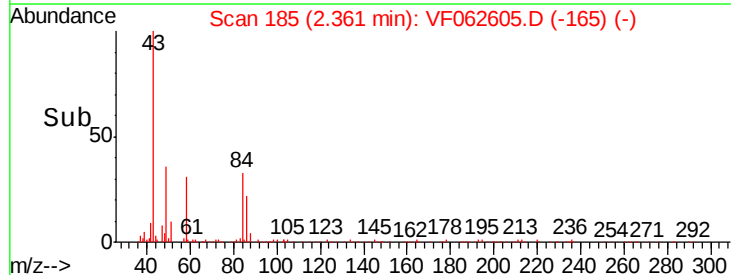
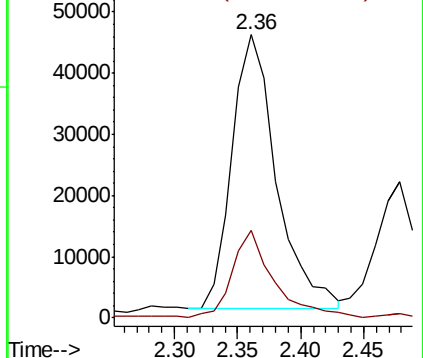
43 100

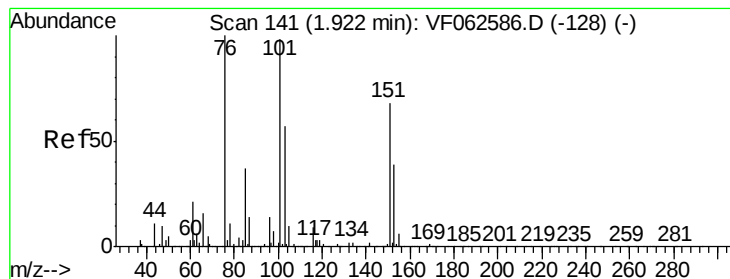
58 30.7 26.7 40.1



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#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 :

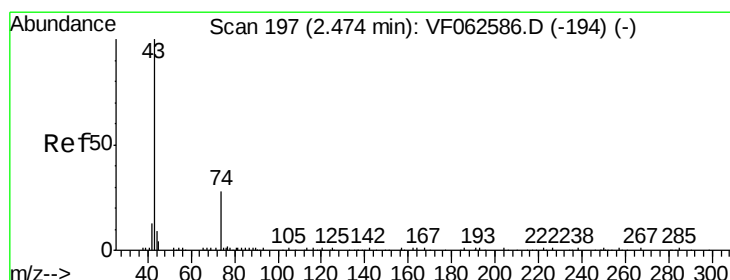
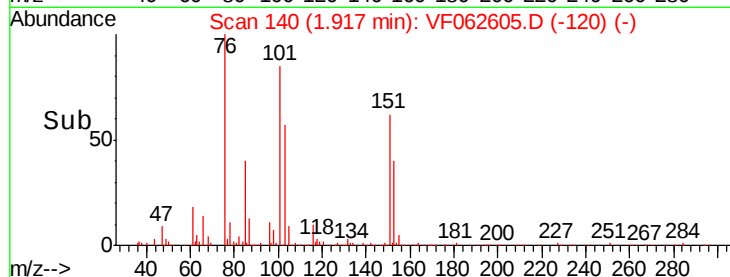
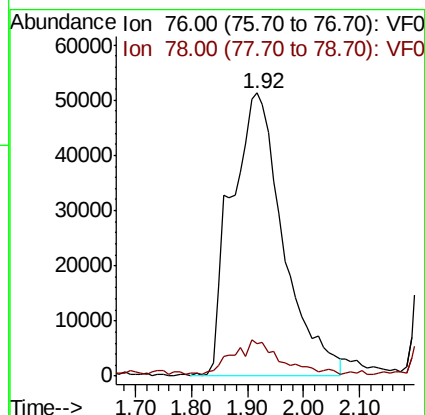
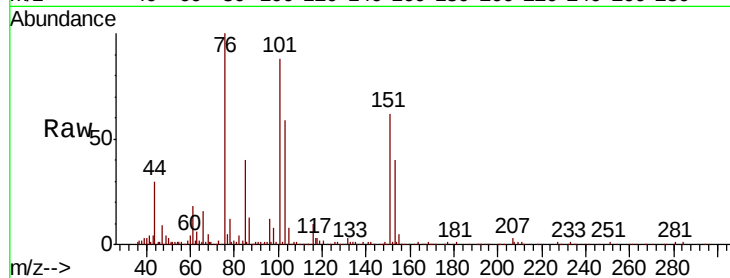
VF0515SBS01

Tgt 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

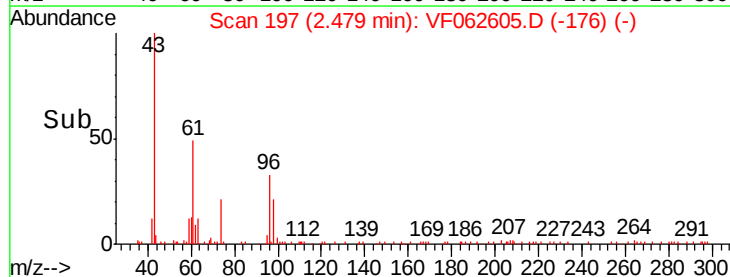
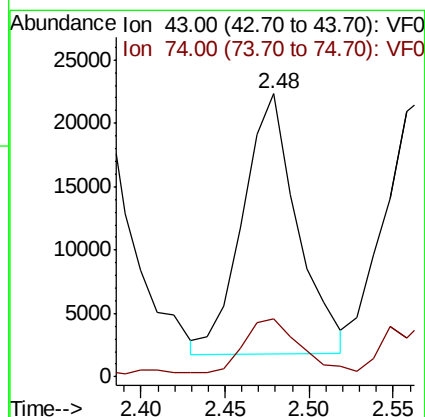
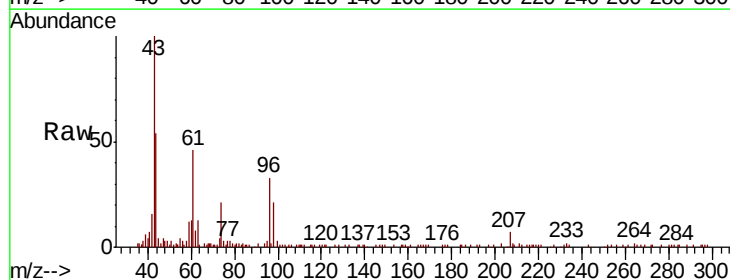
Acq: 15 May 2019 13:31

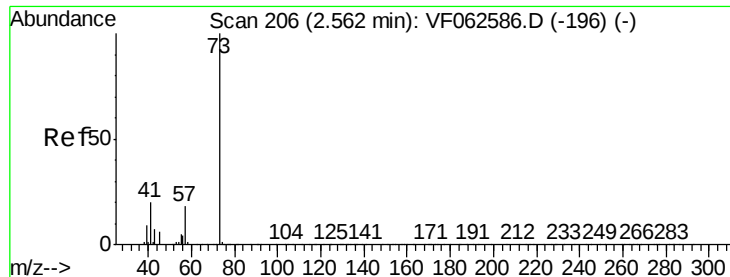
Tgt Ion: 43 Resp: 46166

Ion Ratio Lower Upper

43 100

74 20.5 21.4 32.0#



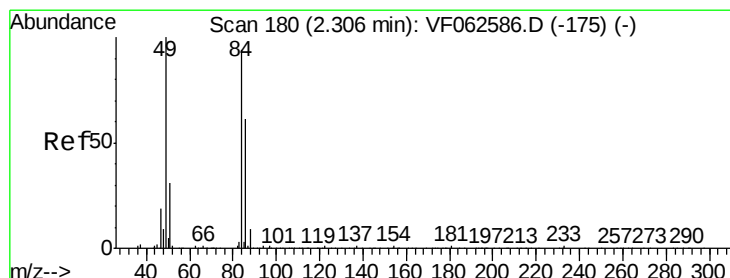
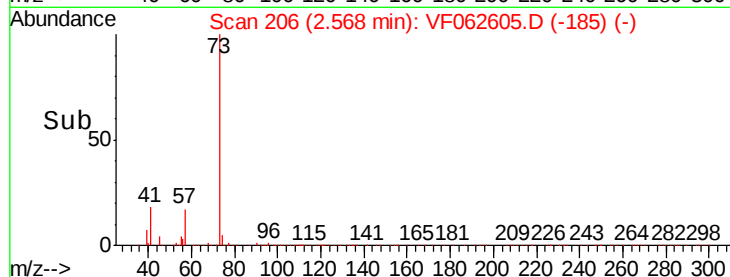
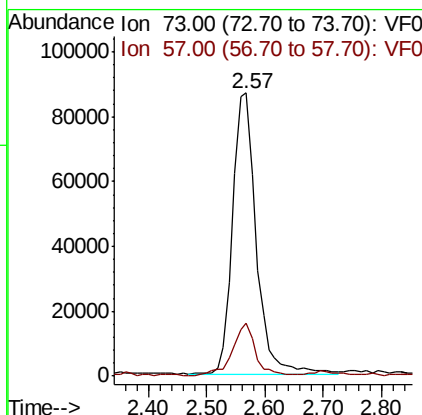
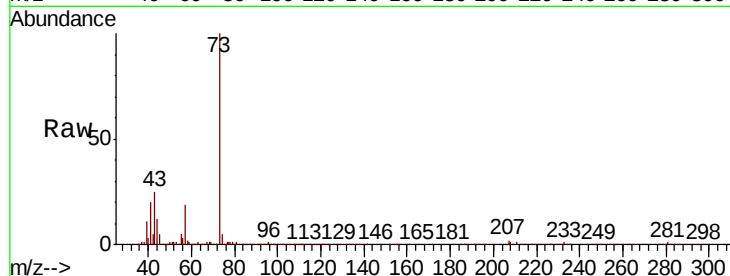


#19

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

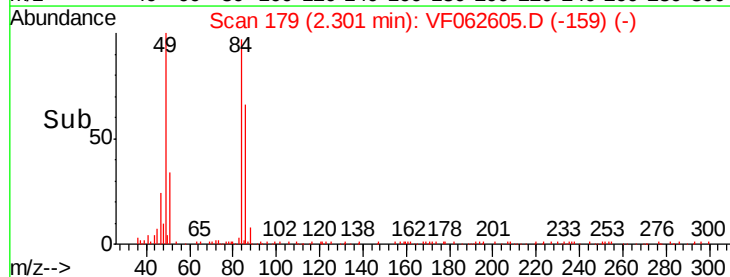
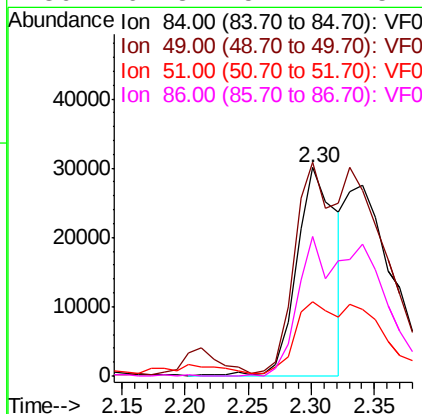
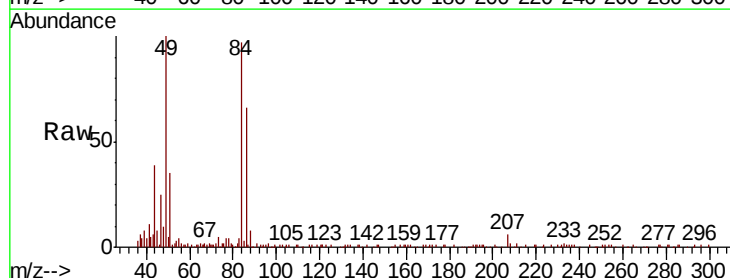
Tgt Ion: 73 Resp: 248151
Ion Ratio Lower Upper
73 100
57 18.6 14.6 22.0

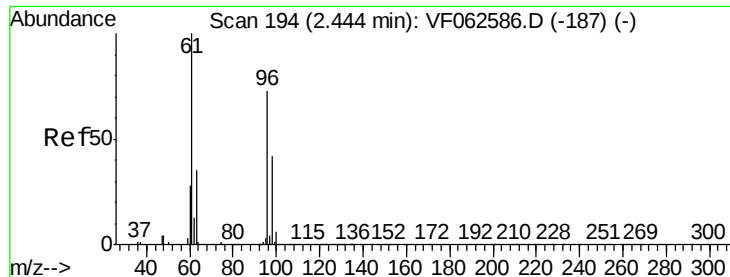


#20

Methylene Chloride
Concen: 8.364 ug/l
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: 65554
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

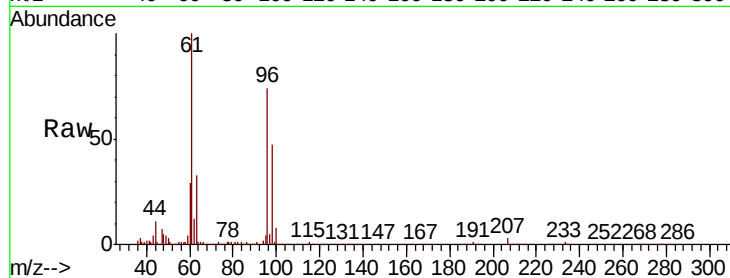
Tgt Ion: 96 Resp: 126587

Ion Ratio Lower Upper

96 100

61 134.5 109.2 163.8

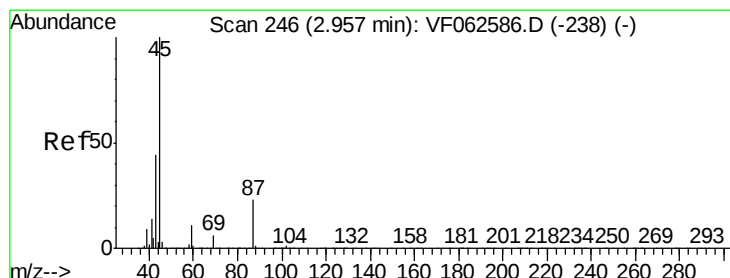
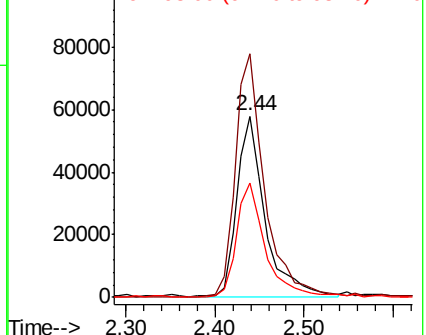
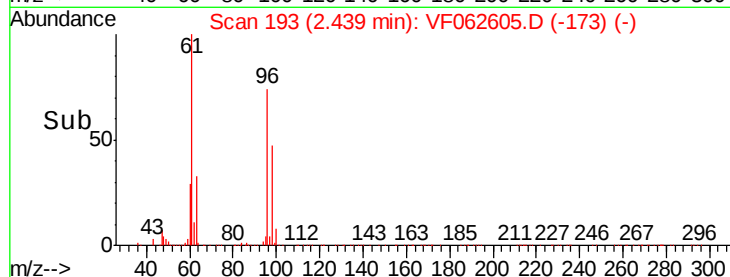
98 63.4 46.3 69.5



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

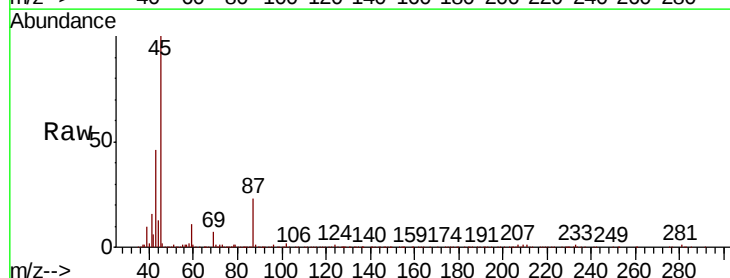
Ion Ratio Lower Upper

45 100

43 45.5 35.4 53.0

87 23.2 18.4 27.6

59 10.8 8.9 13.3

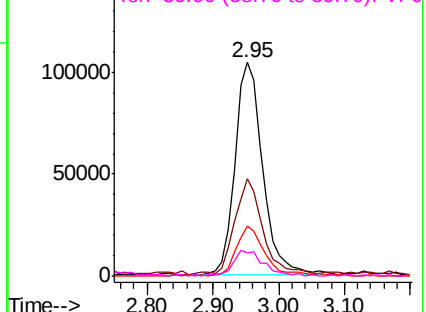
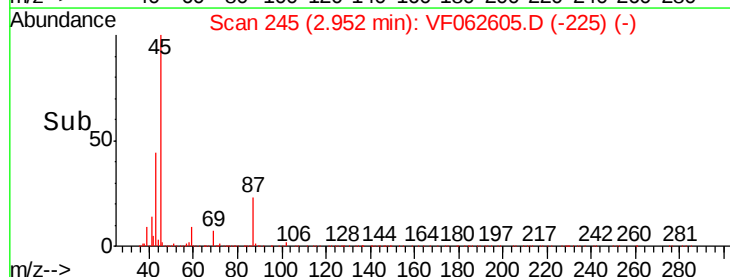


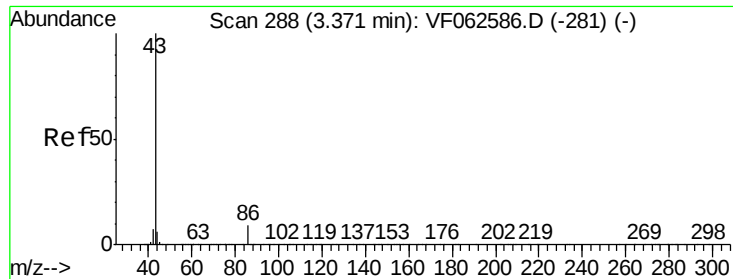
Abundance Ion 45.00 (44.70 to 45.70): VF0

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

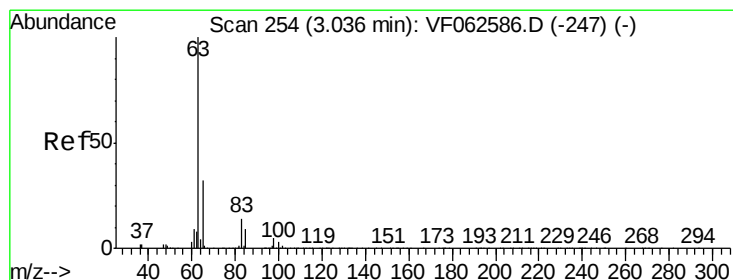
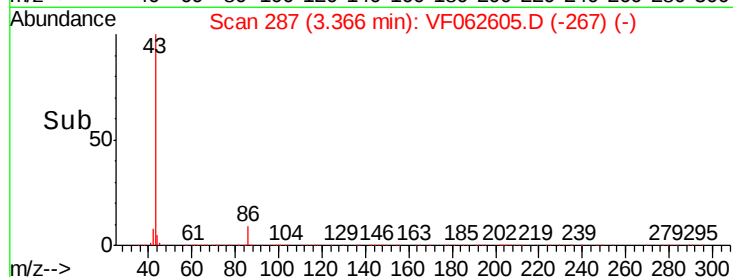
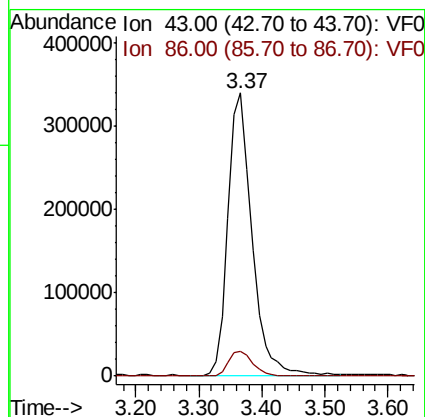
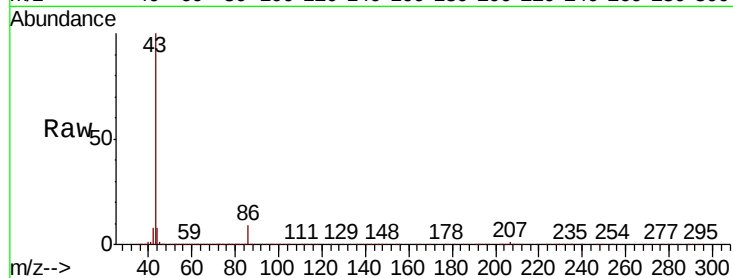




#23
 Vinyl Acetate
 Concen: 116.955 ug/l
 RT: 3.37 min Scan# 287
 Delta R.T. -0.00 min
 Lab File: VF062605.D
 Acq: 15 May 2019 13:31

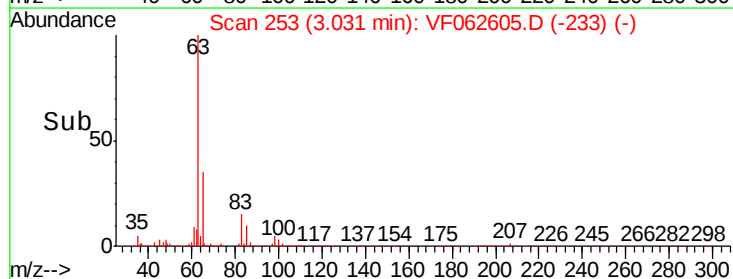
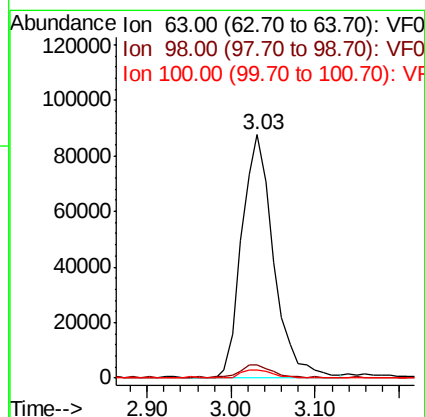
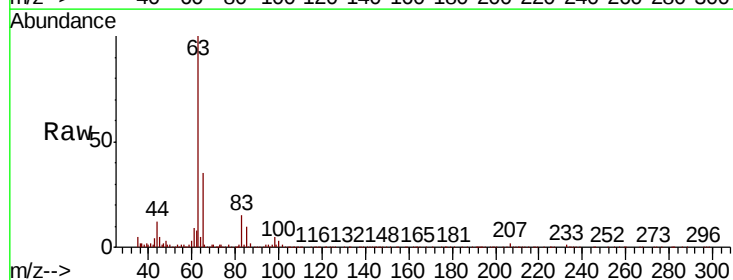
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0515SBS01

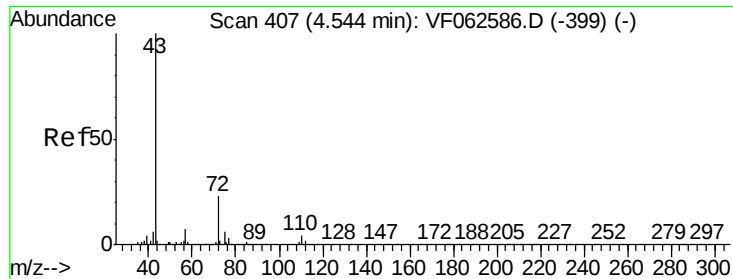
Tgt Ion: 43 Resp: 893139
 Ion Ratio Lower Upper
 43 100
 86 8.8 7.1 10.7



#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 :

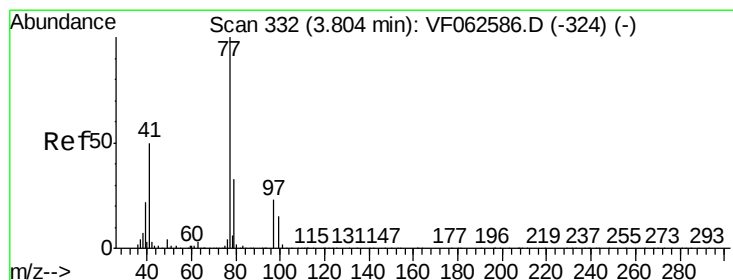
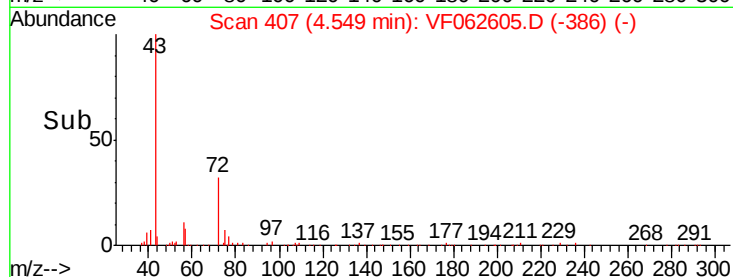
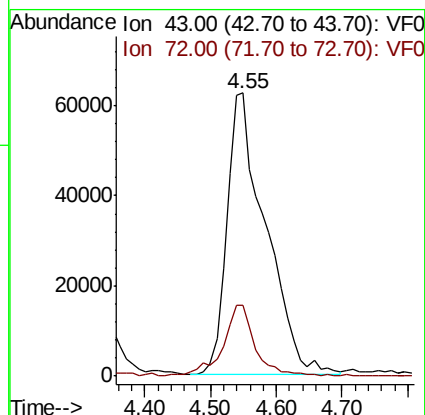
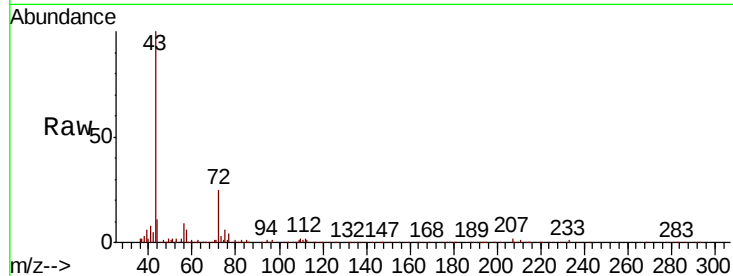
VF0515SBS01

Tgt 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

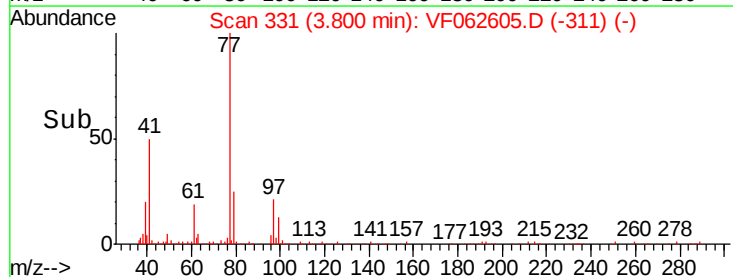
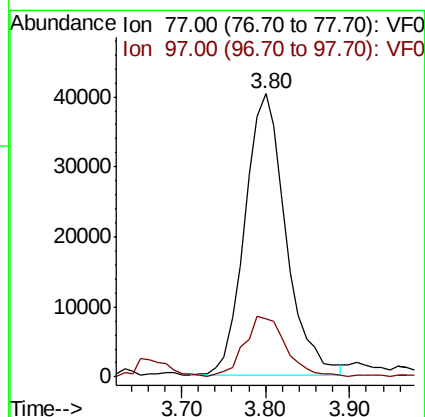
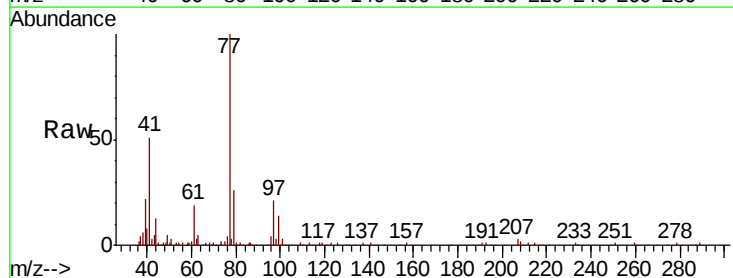
Acq: 15 May 2019 13:31

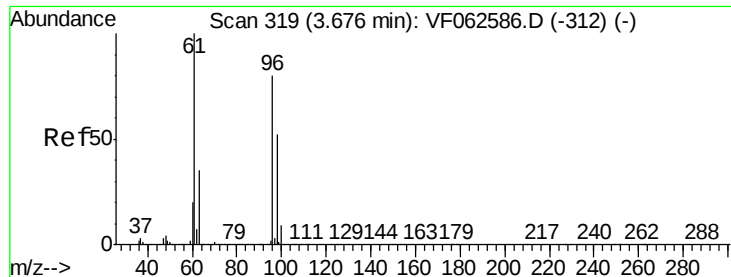
Tgt Ion: 77 Resp: 136888

Ion Ratio Lower Upper

77 100

97 20.6 12.0 36.0



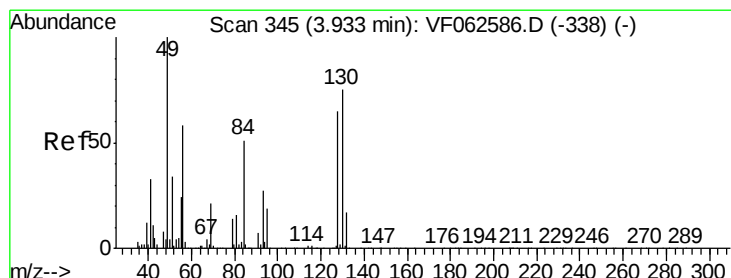
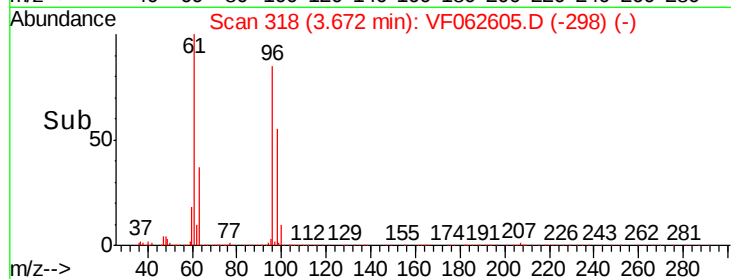
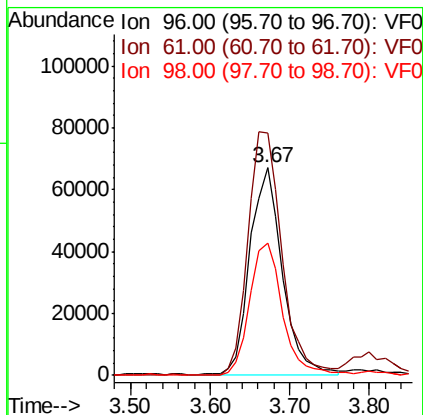
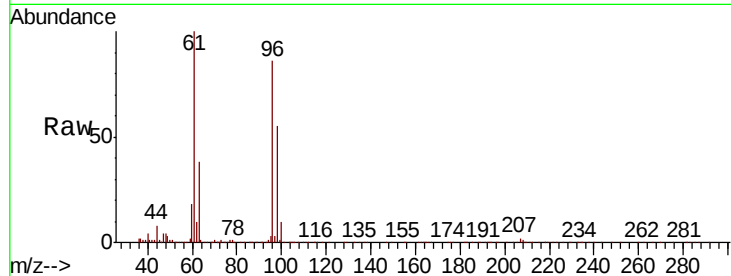


#27

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

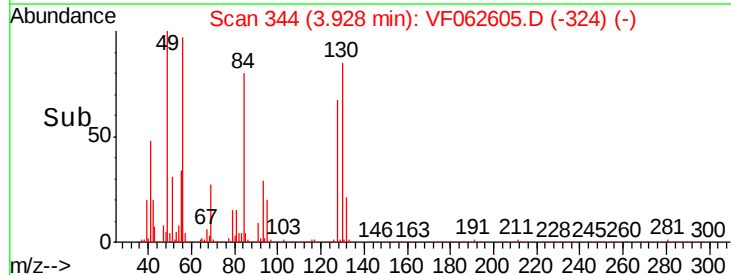
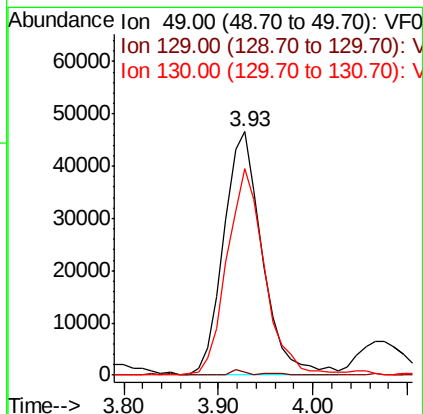
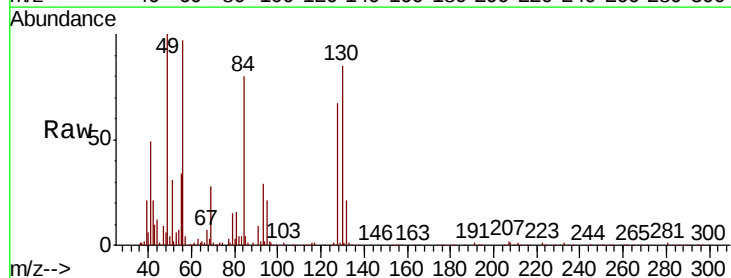
Tgt Ion: 96 Resp: 188016
 Ion Ratio Lower Upper
 96 100
 61 116.7 0.0 251.4
 98 63.7 0.0 129.8

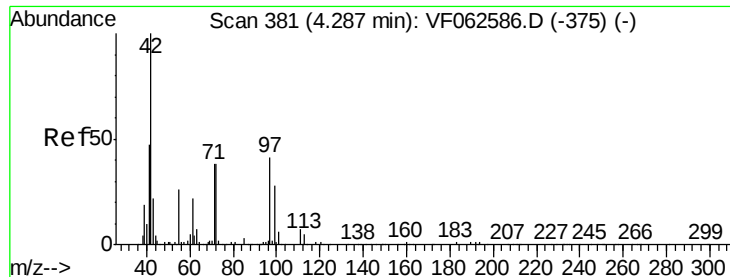


#28

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

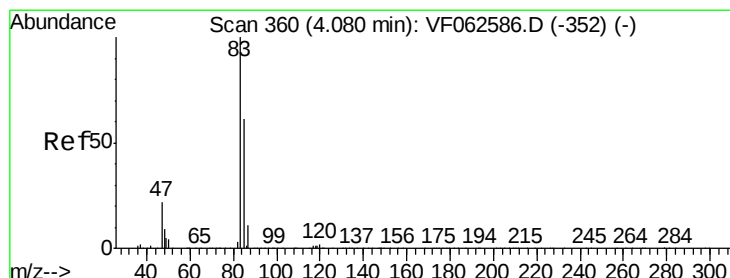
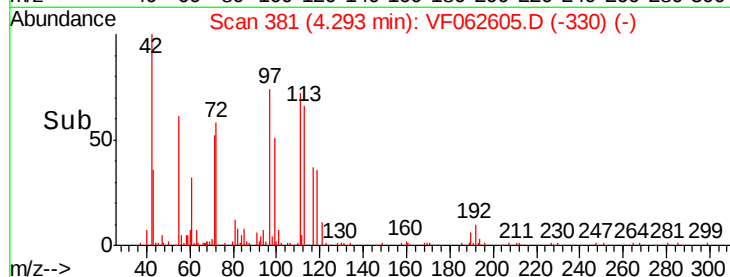
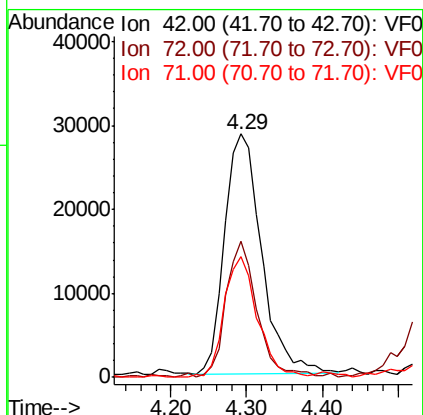
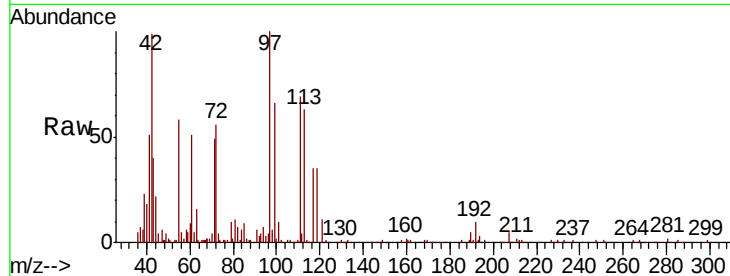




#29
Tetrahydrofuran
Concen: 102.317 ug/l
RT: 4.29 min Scan# 381
Delta R.T. 0.01 min
Lab File: VF062605.D
Acq: 15 May 2019 13:31

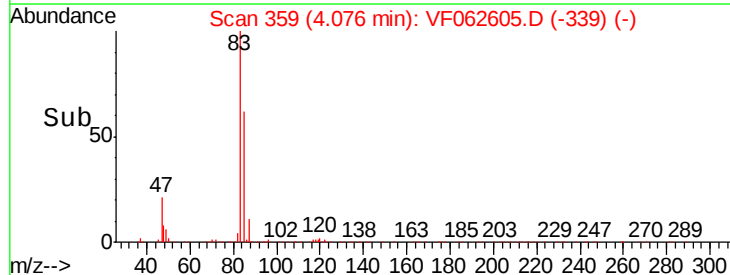
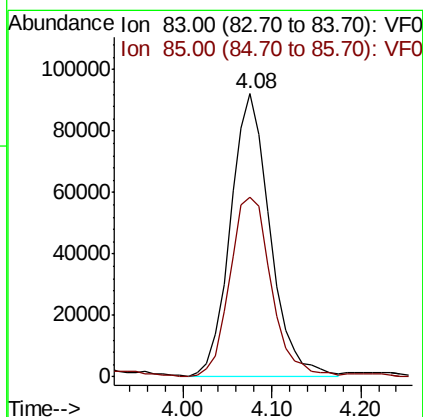
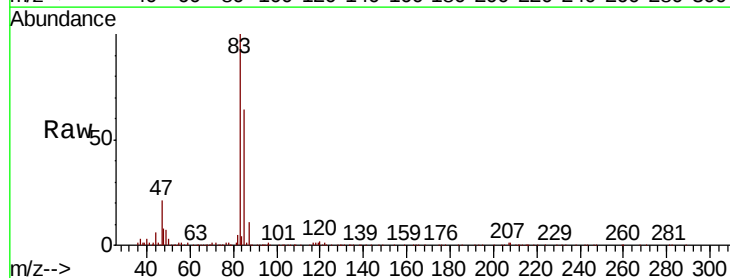
Instrument :
MSVOA_F
ClientSampleId :
VF0515SBS01

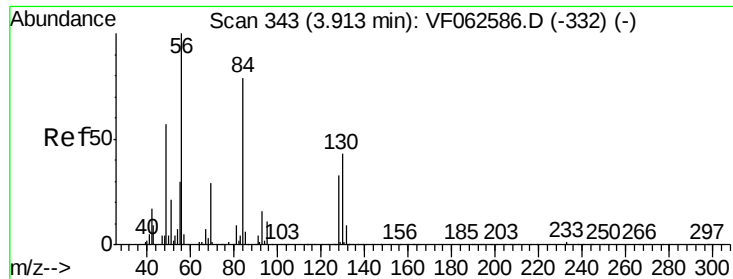
Tgt Ion: 42 Resp: 96905
Ion Ratio Lower Upper
42 100
72 48.4 34.0 51.0
71 45.2 32.8 49.2



#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

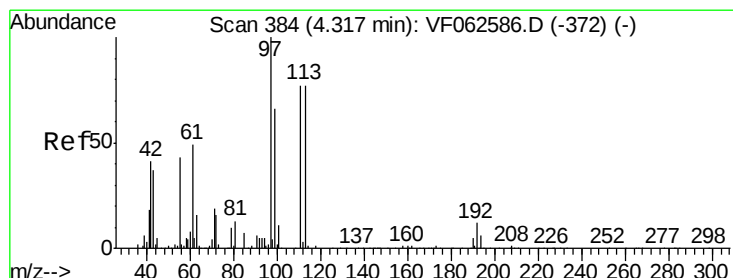
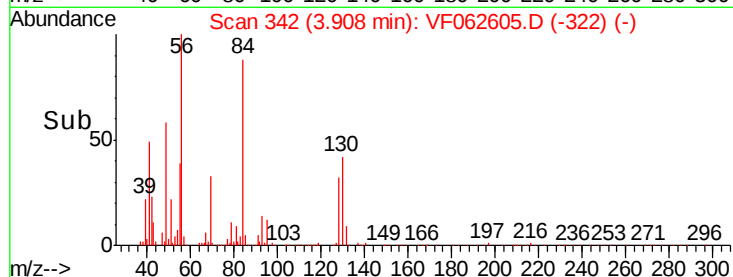
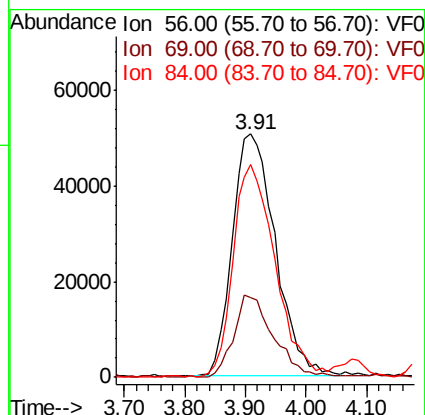
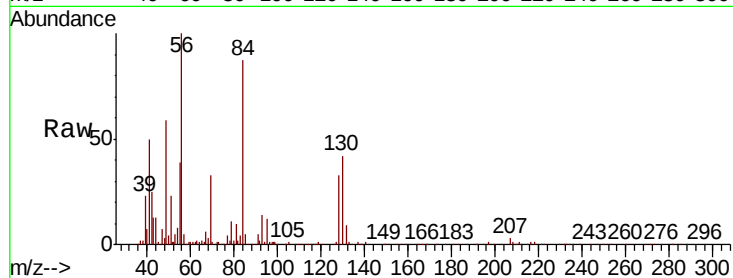




#31
Cyclohexane
Concen: 22.654 ug/l
RT: 3.91 min Scan# 342
Delta R.T. -0.00 min
Lab File: VF062605.D
Acq: 15 May 2019 13:31

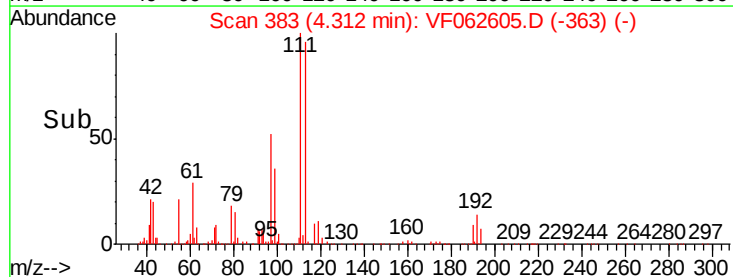
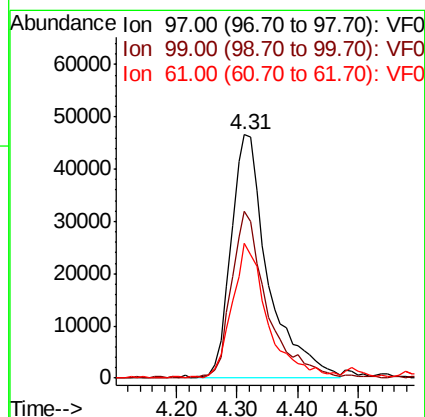
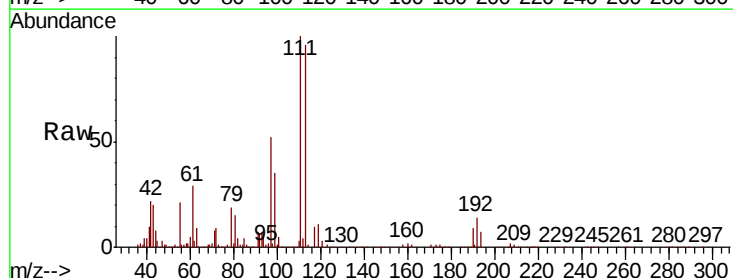
Instrument :
MSVOA_F
ClientSampleId :
VF0515SBS01

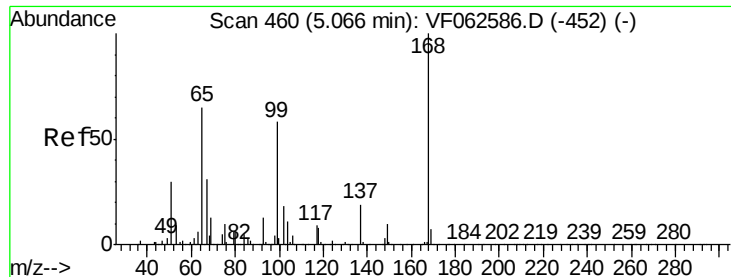
Tgt Ion	Ratio	Lower	Upper
56	100		
69	32.8	22.9	34.3
84	87.2	63.4	95.2



#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	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 :

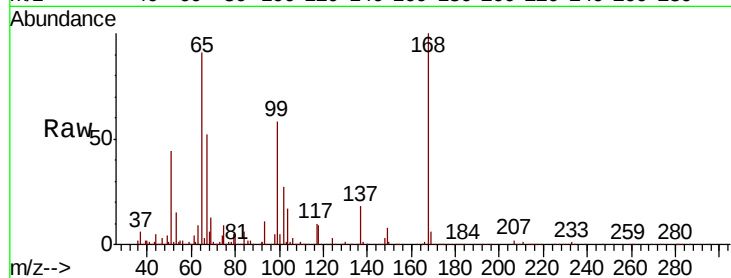
VF0515SBS01

Tgt Ion: 65 Resp: 219700

Ion Ratio Lower Upper

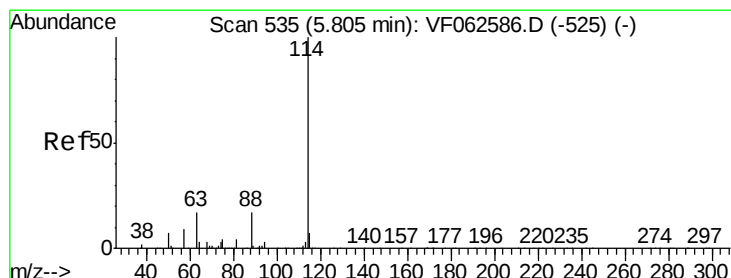
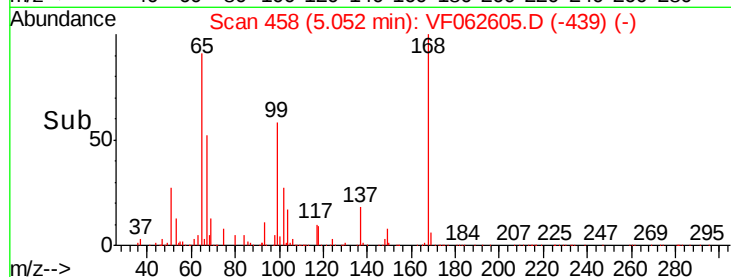
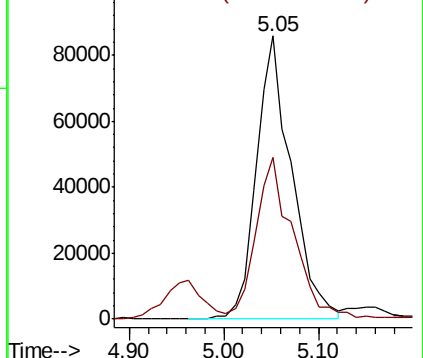
65 100

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

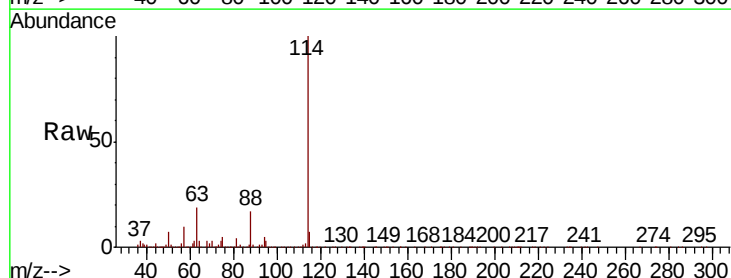
Tgt Ion: 114 Resp: 1156272

Ion Ratio Lower Upper

114 100

63 18.9 0.0 34.6

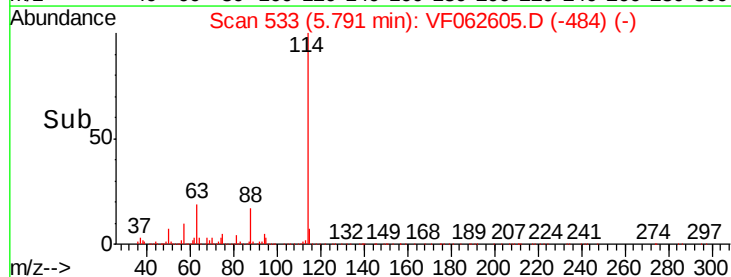
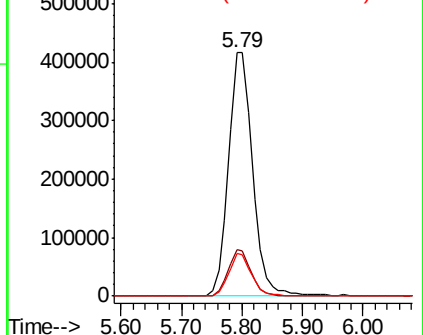
88 17.3 0.0 33.6

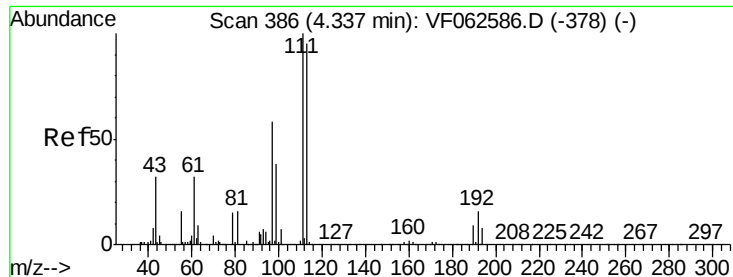


Abundance Ion 114.00 (113.70 to 114.70): V

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

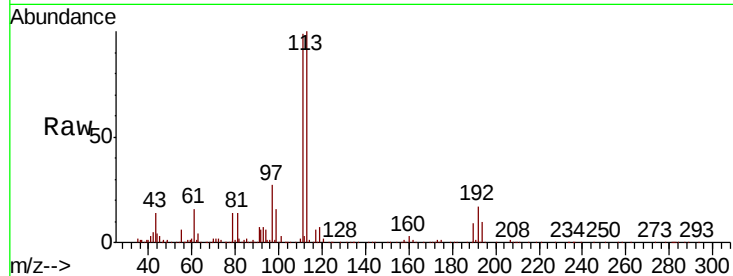
Tgt Ion:113 Resp: 409928

Ion Ratio Lower Upper

113 100

111 99.1 83.9 125.9

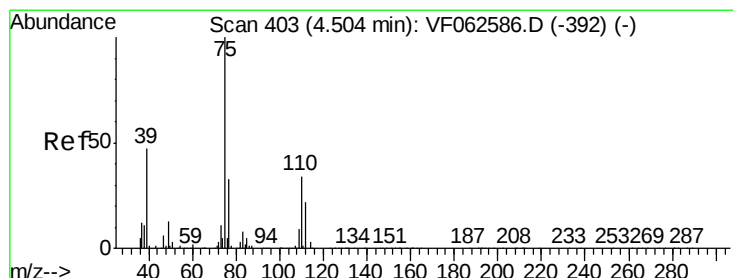
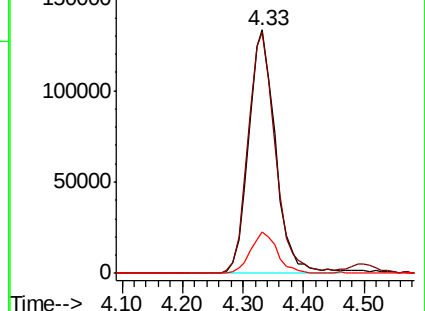
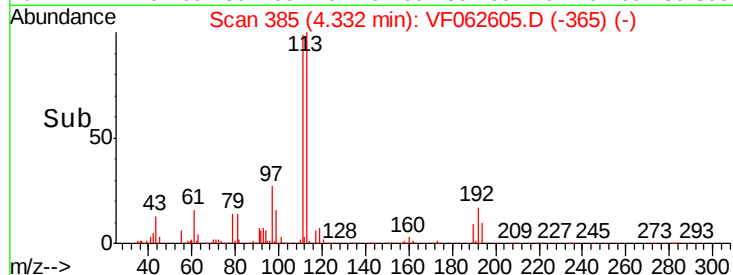
192 16.8 13.7 20.5



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

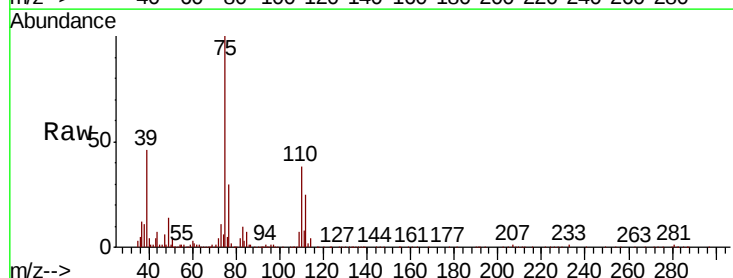
Tgt Ion: 75 Resp: 208321

Ion Ratio Lower Upper

75 100

110 37.6 17.3 51.7

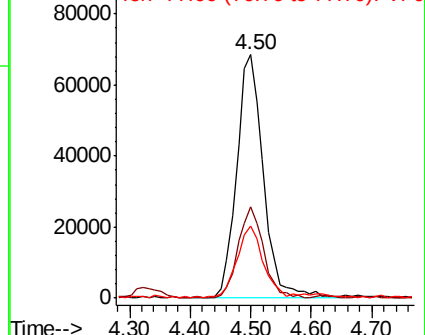
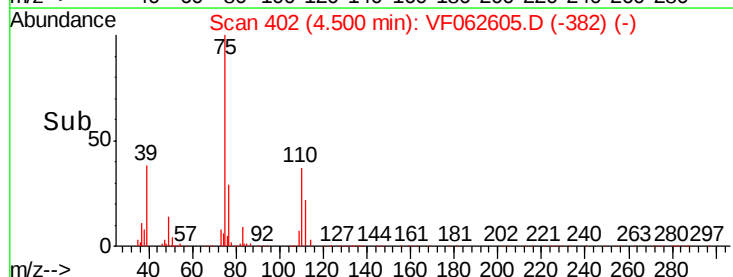
77 29.8 26.4 39.6

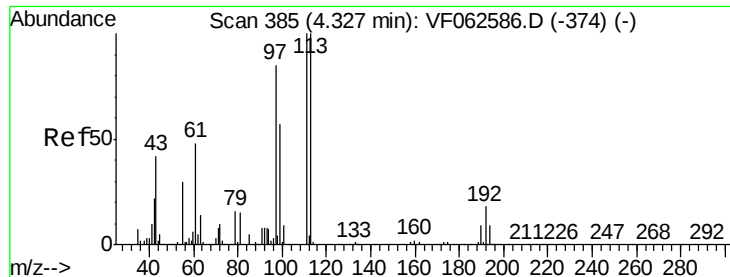


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0

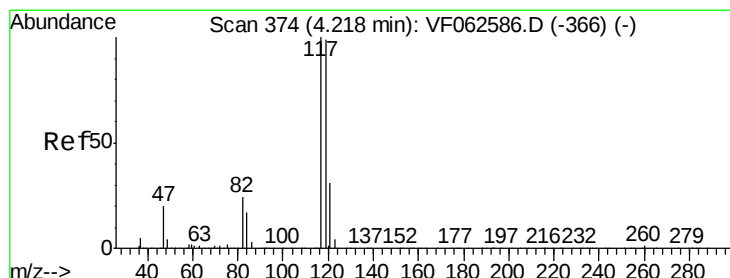
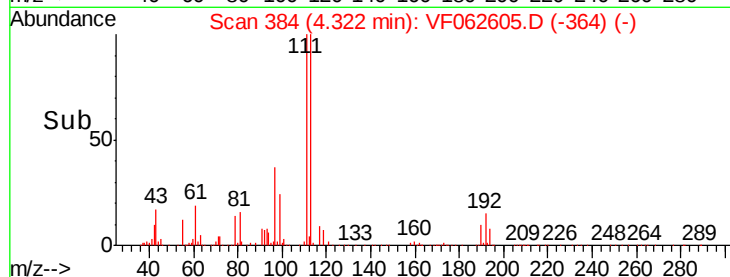
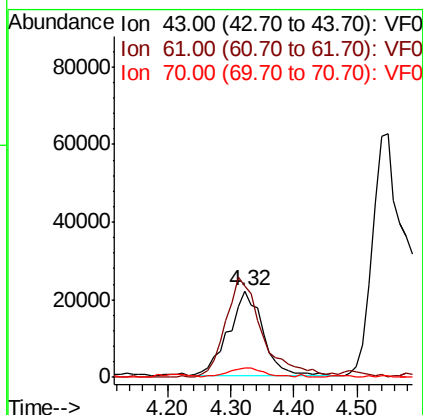
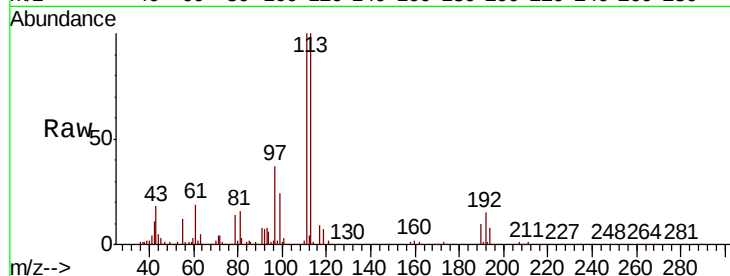




#37
Ethyl Acetate
Concen: 20.293 ug/l
RT: 4.32 min Scan# 384
Delta R.T. -0.00 min
Lab File: VF062605.D
Acq: 15 May 2019 13:31

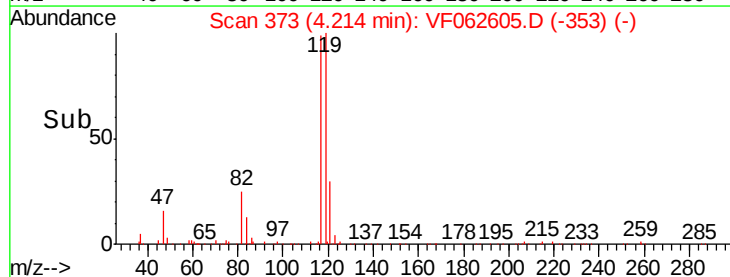
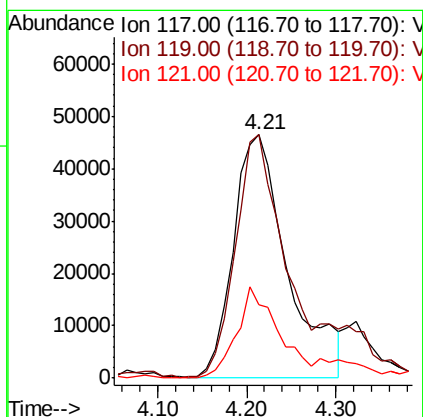
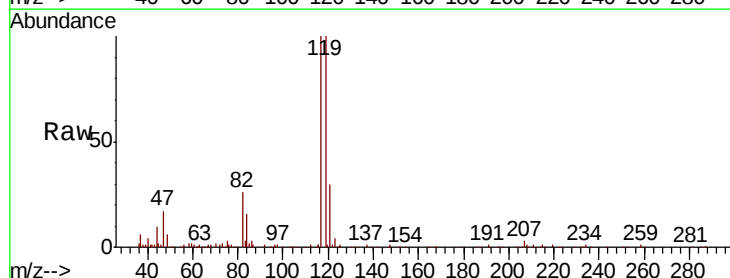
Instrument :
MSVOA_F
ClientSampleId :
VF0515SBS01

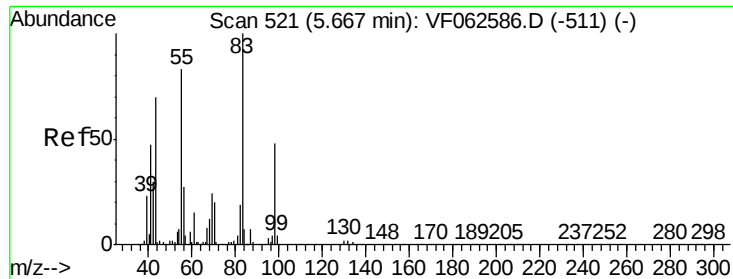
Tgt Ion	Ratio	Lower	Upper
43	100		
61	105.7	88.6	132.8
70	11.5	8.3	12.5



#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	Ratio	Lower	Upper
117	100		
119	100.2	79.0	118.6
121	30.3	25.0	37.6

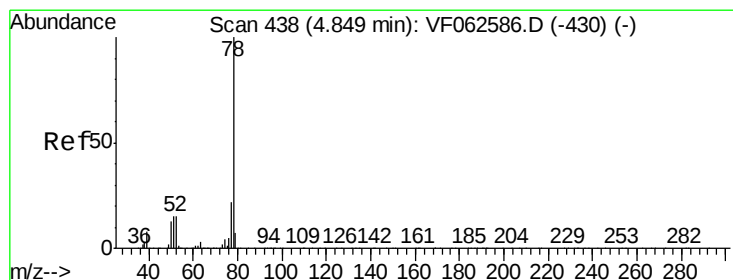
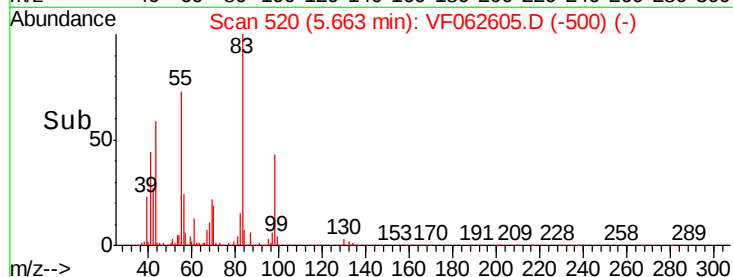
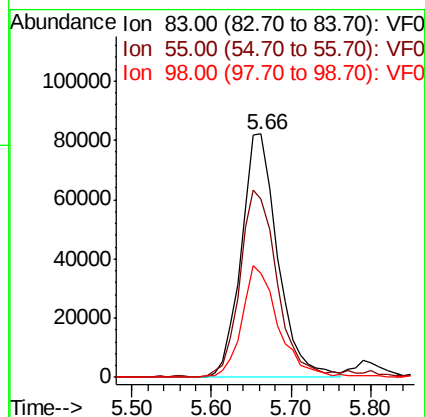
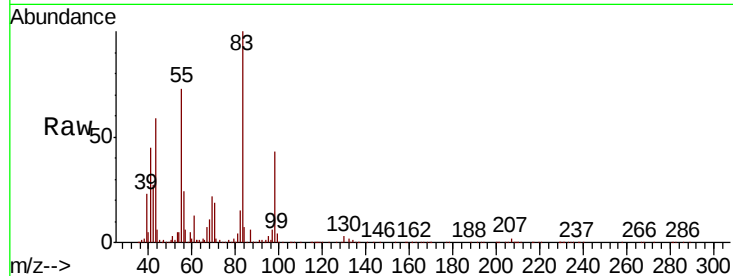




#39
Methylcyclohexane
Concen: 22.272 ug/l
RT: 5.66 min Scan# 520
Delta R.T. -0.00 min
Lab File: VF062605.D
Acq: 15 May 2019 13:31

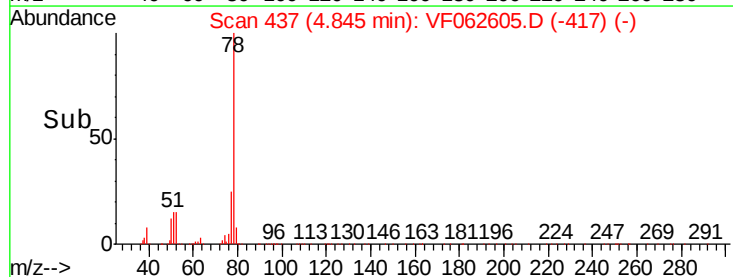
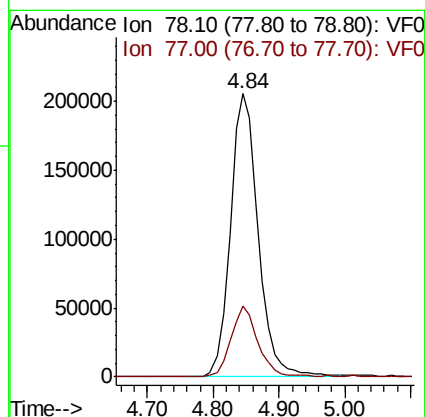
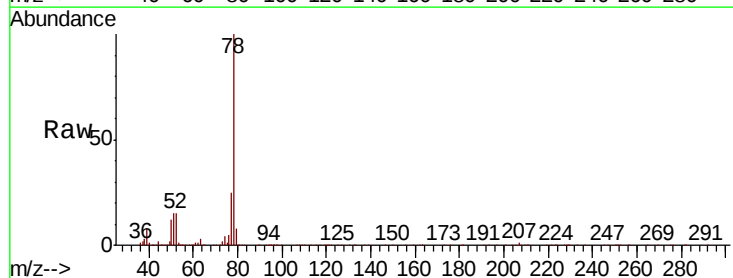
Instrument :
MSVOA_F
ClientSampleId :
VF0515SBS01

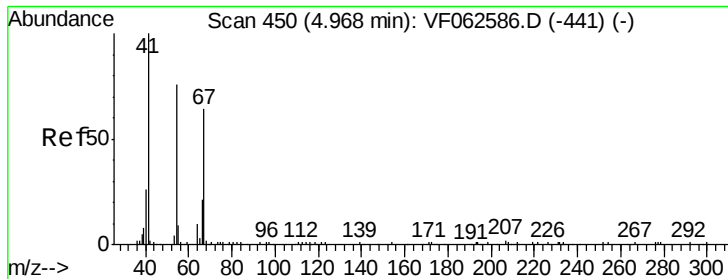
Tgt Ion: 83 Resp: 260910
Ion Ratio Lower Upper
83 100
55 73.2 66.6 100.0
98 43.0 38.3 57.5



#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

Tgt Ion: 41 Resp: 49927

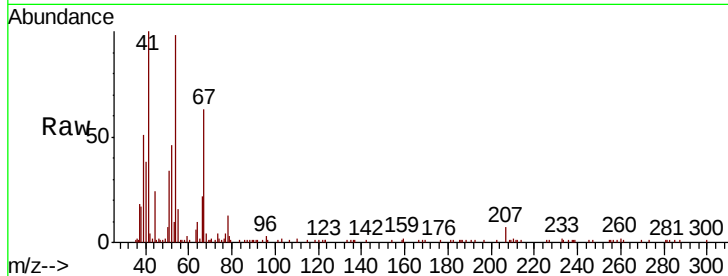
Ion Ratio Lower Upper

41 100

39 50.9 40.8 61.2

67 63.3 50.2 75.2

52 45.6 36.8 55.2

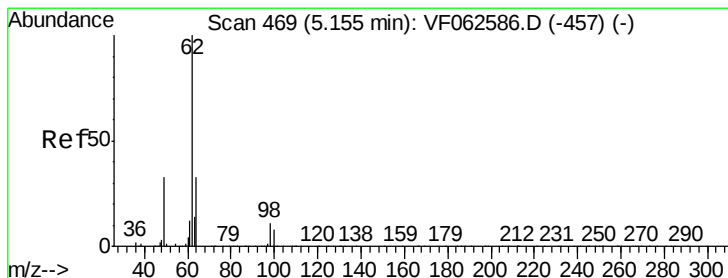
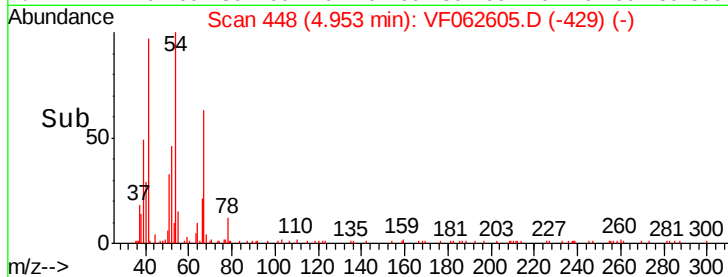
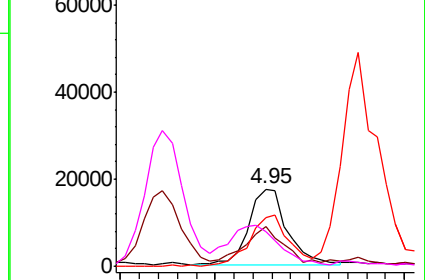


Abundance Ion 41.00 (40.70 to 41.70): VF0

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

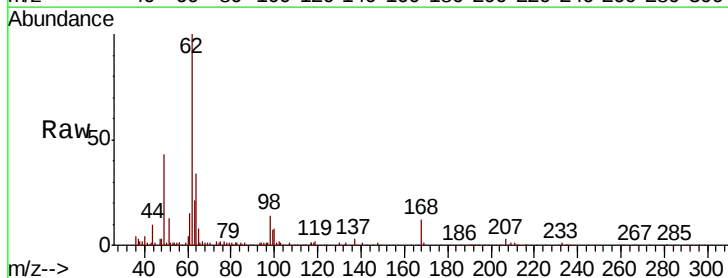
Acq: 15 May 2019 13:31

Tgt Ion: 62 Resp: 120095

Ion Ratio Lower Upper

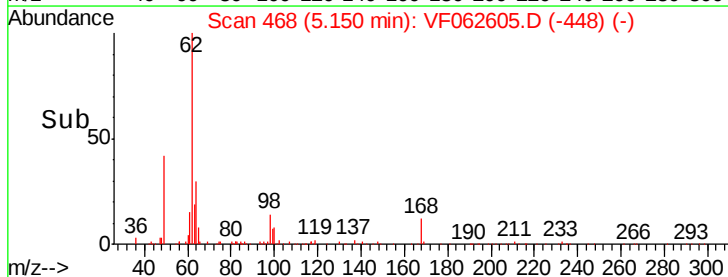
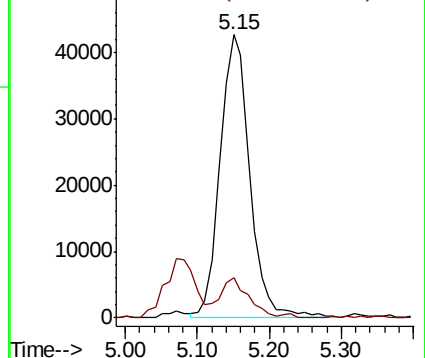
62 100

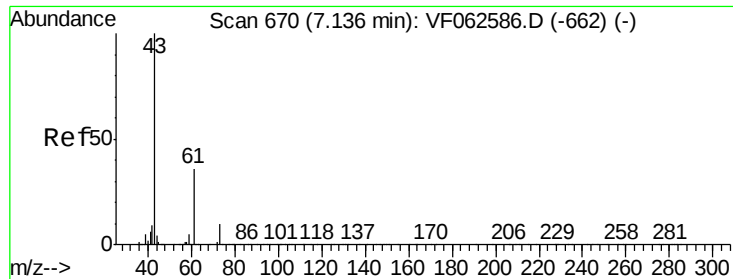
98 14.0 0.0 22.2



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

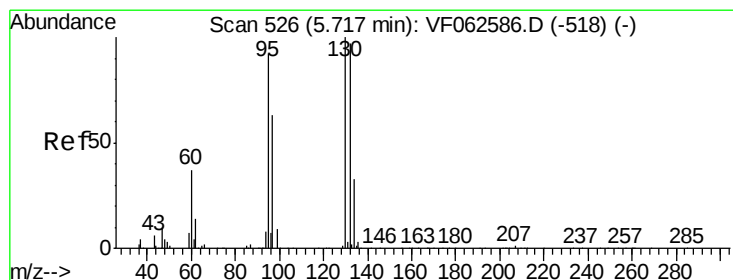
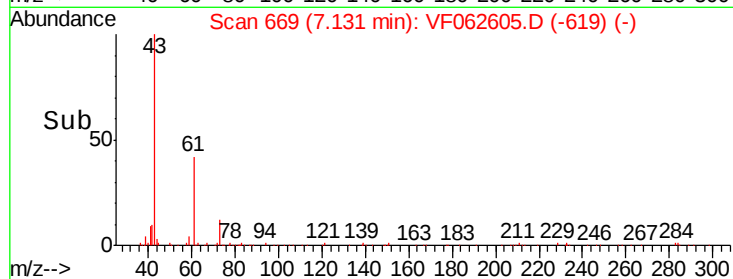
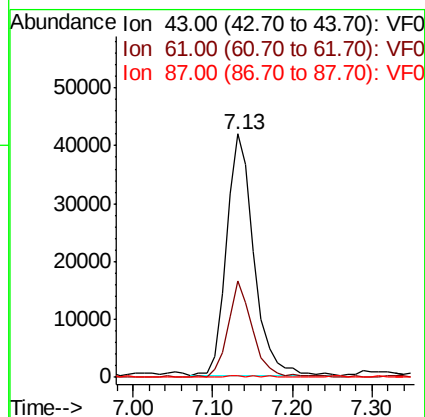
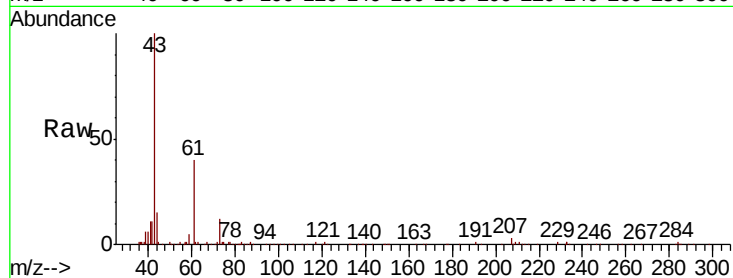
Tgt Ion: 43 Resp: 101076

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

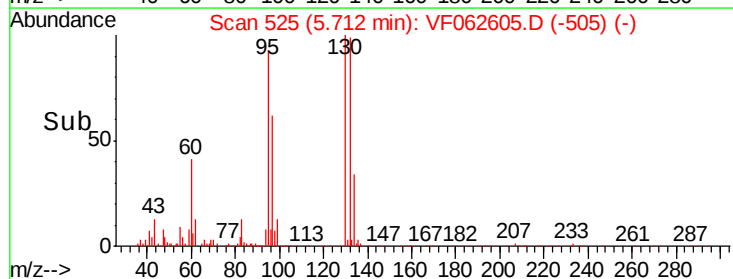
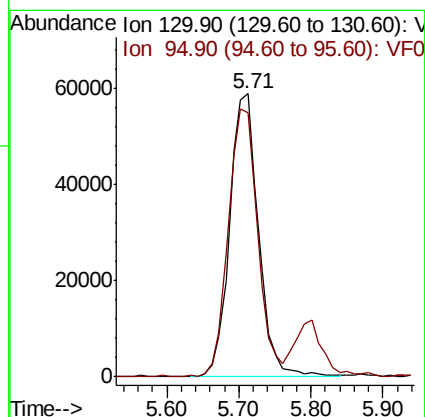
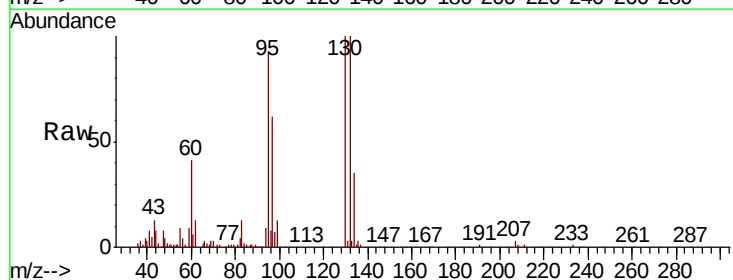
Acq: 15 May 2019 13:31

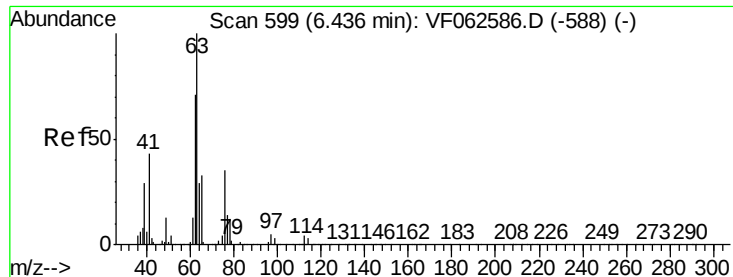
Tgt Ion: 130 Resp: 163956

Ion Ratio Lower Upper

130 100

95 93.2 0.0 185.0

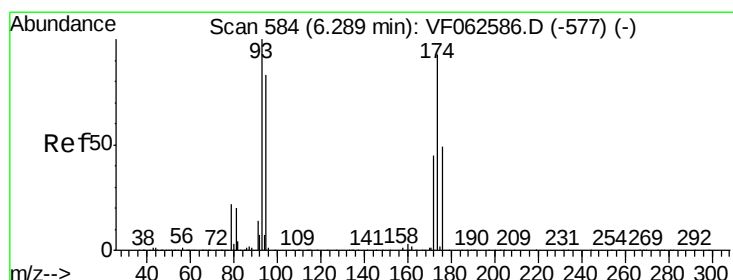
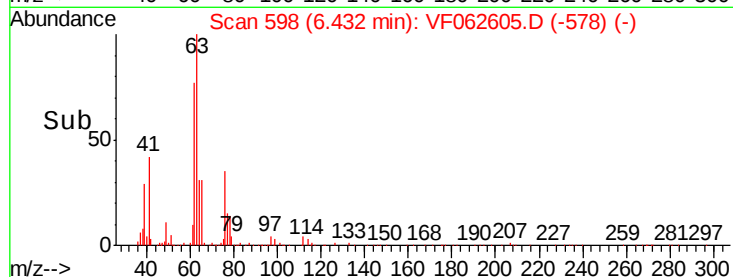
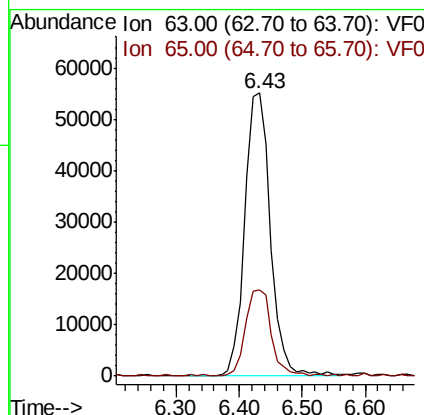
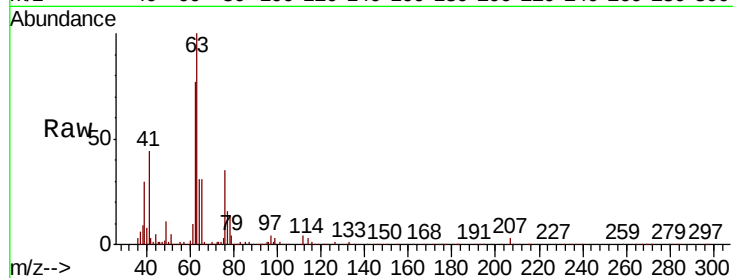




#45
 1,2-Dichloropropane
 Concen: 21.737 ug/l
 RT: 6.43 min Scan# 598
 Delta R.T. -0.00 min
 Lab File: VF062605.D
 Acq: 15 May 2019 13:31

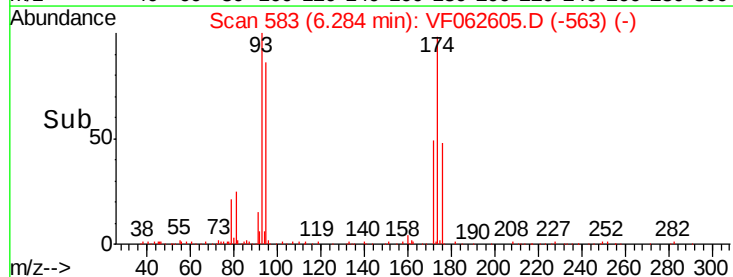
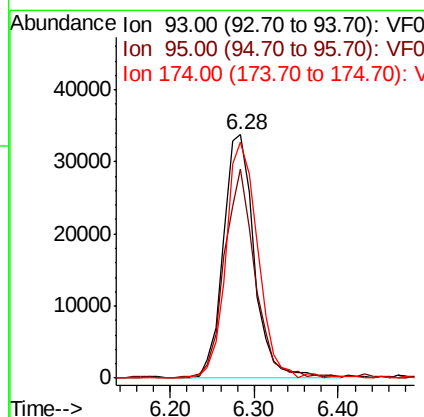
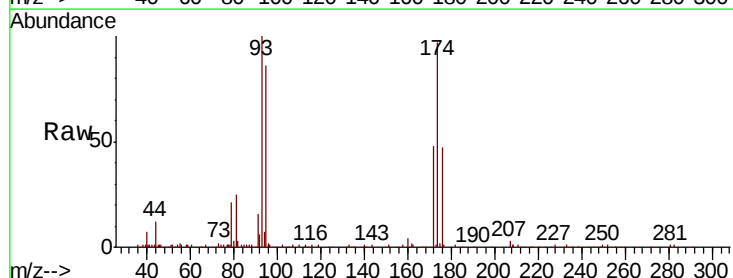
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0515SBS01

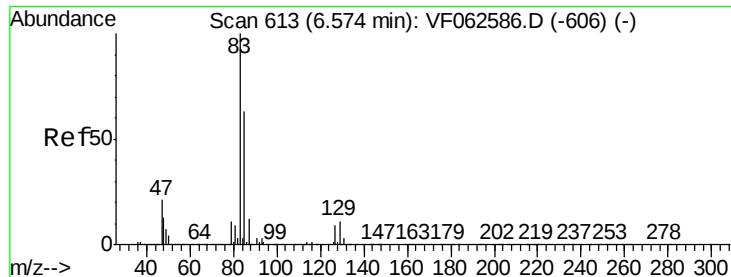
Tgt Ion: 63 Resp: 155740
 Ion Ratio Lower Upper
 63 100
 65 30.6 26.2 39.4



#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

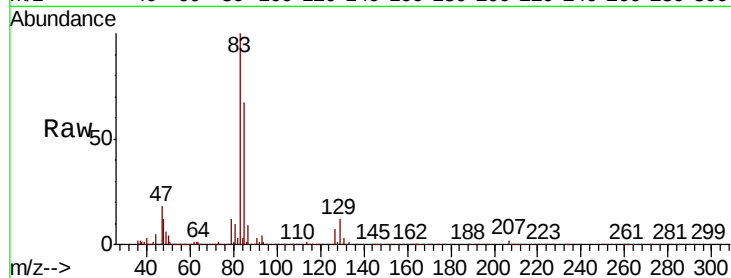
Tgt Ion: 83 Resp: 184368

Ion Ratio Lower Upper

83 100

85 66.9 50.3 75.5

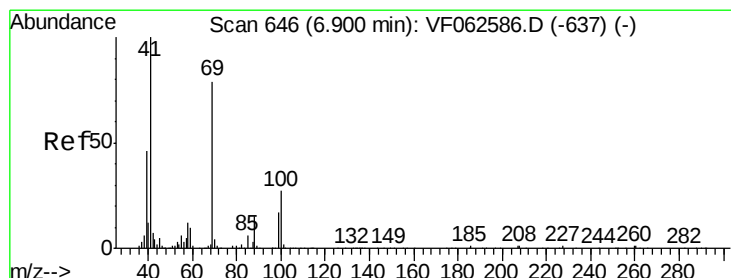
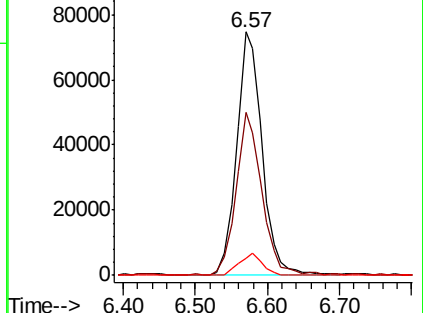
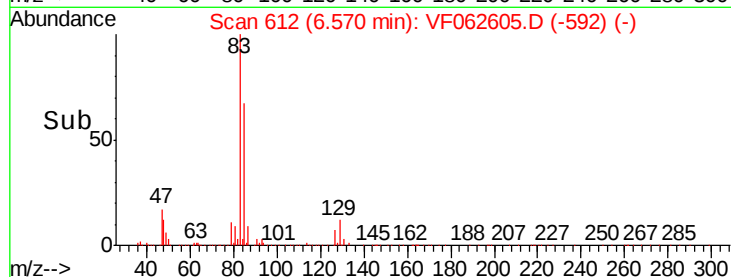
127 7.1 7.2 10.8#



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 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

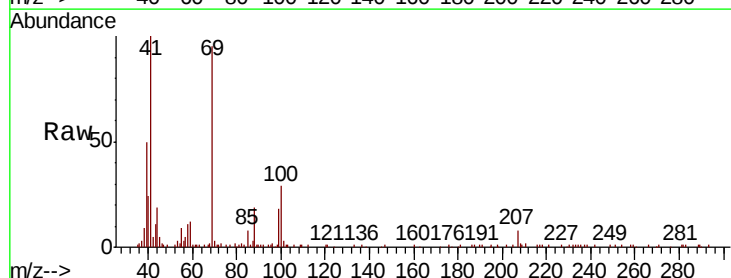
Tgt Ion: 41 Resp: 50879

Ion Ratio Lower Upper

41 100

69 95.2 63.0 94.6#

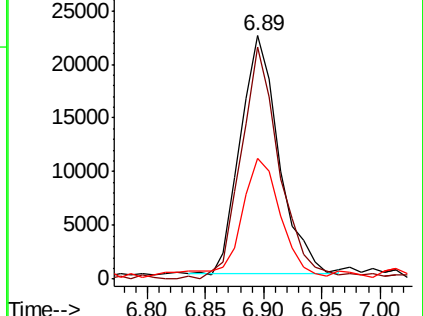
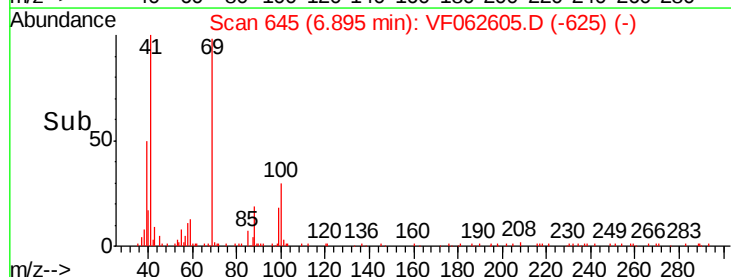
39 49.6 37.6 56.4

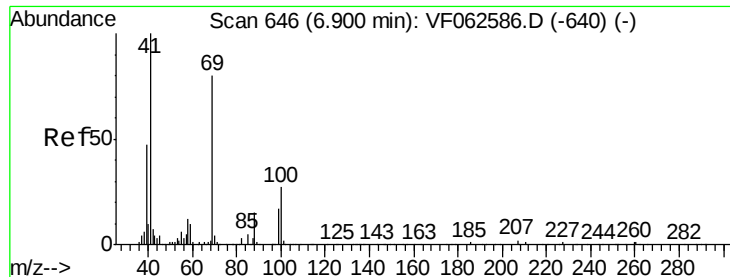


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

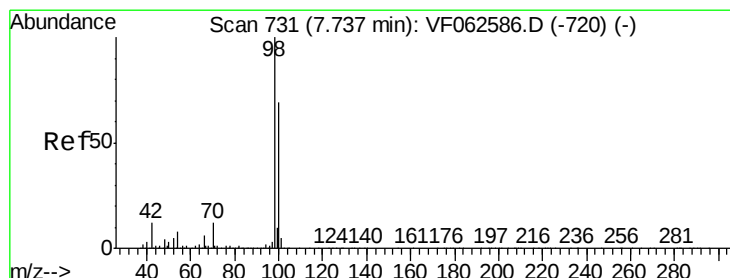
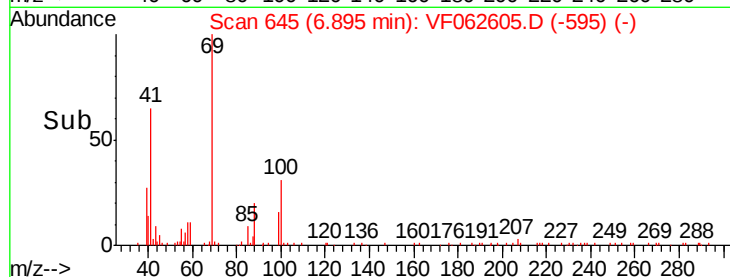
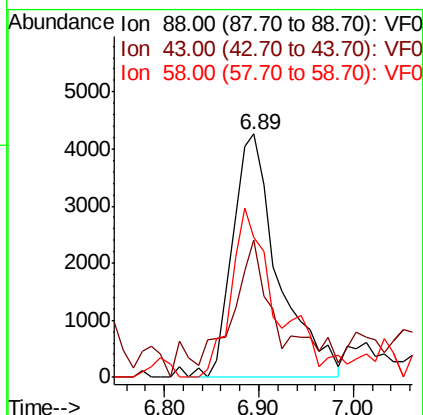
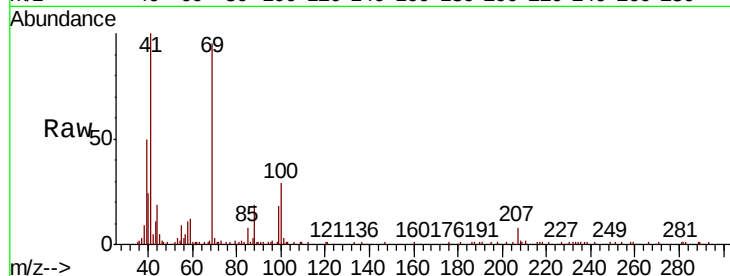




#49
1,4-Dioxane
Concen: 406.452 ug/l
RT: 6.89 min Scan# 645
Delta R.T. -0.00 min
Lab File: VF062605.D
Acq: 15 May 2019 13:31

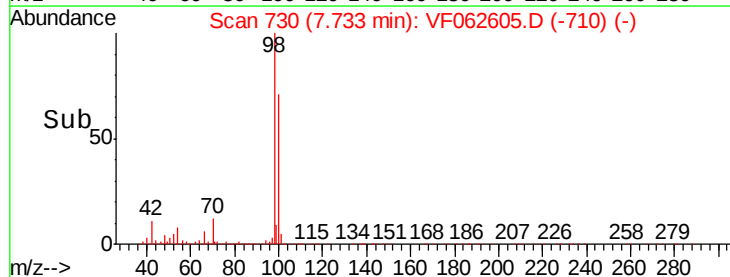
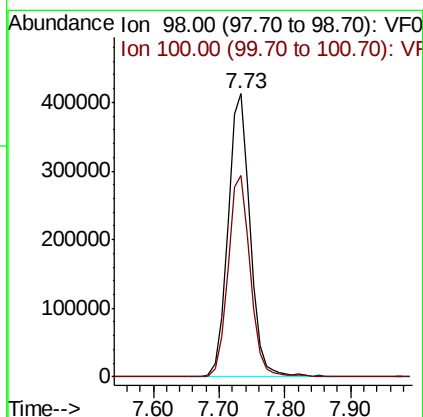
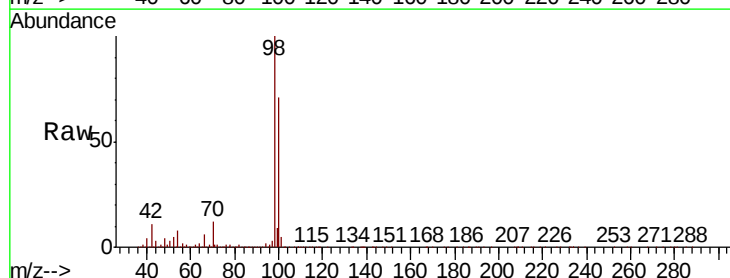
Instrument :
MSVOA_F
ClientSampleId :
VF0515SBS01

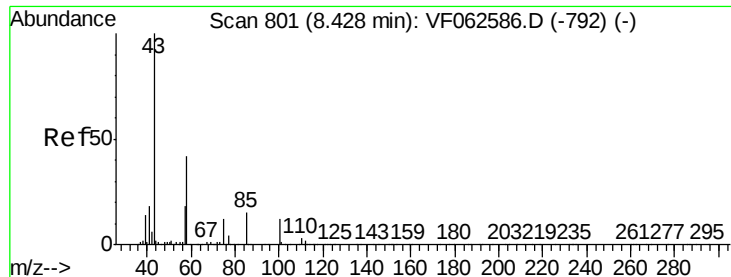
Tgt Ion: 88 Resp: 14264
Ion Ratio Lower Upper
88 100
43 56.2 28.8 43.2#
58 57.5 60.6 90.8#



#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 :

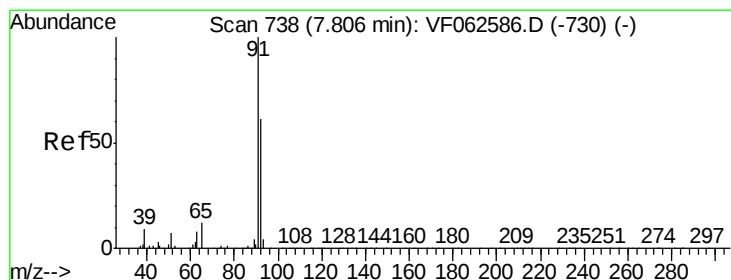
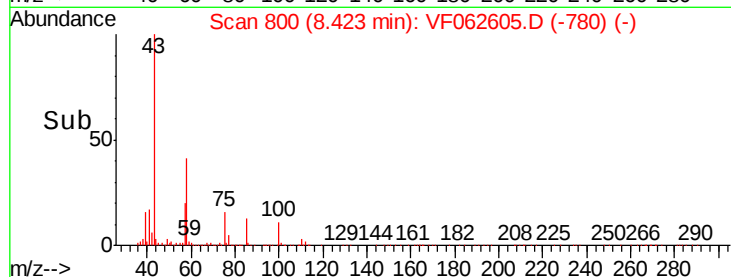
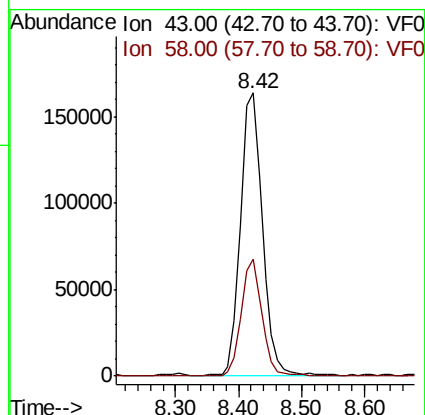
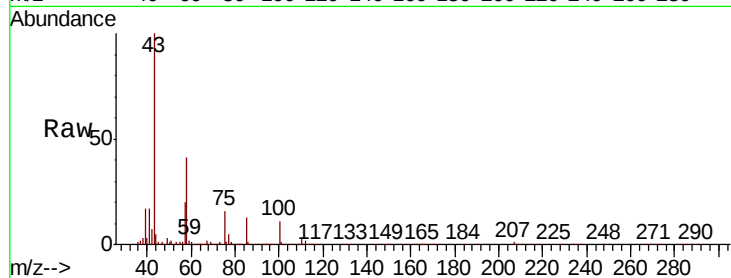
VF0515SBS01

Tgt 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

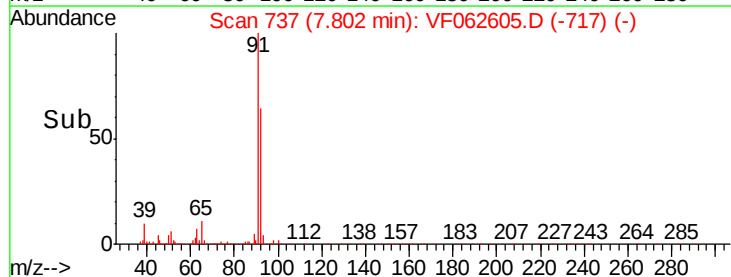
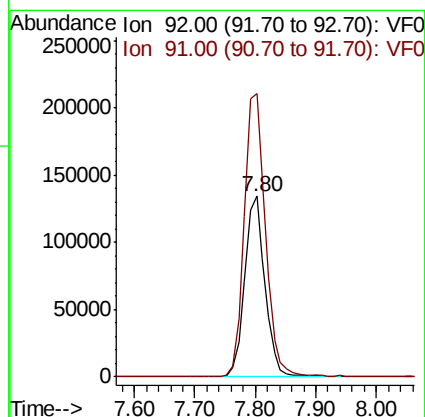
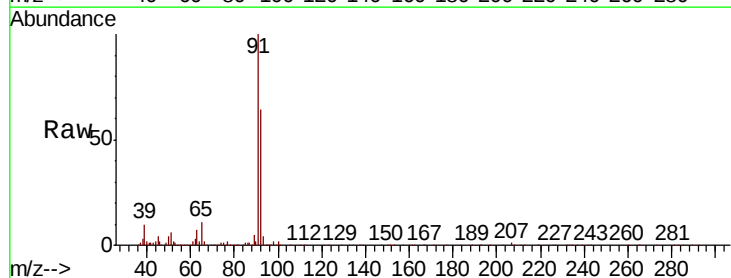
Acq: 15 May 2019 13:31

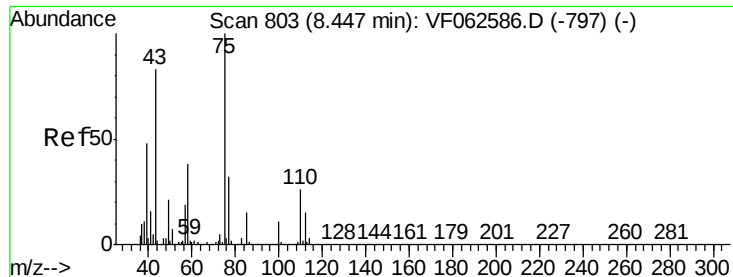
Tgt Ion: 92 Resp: 313706

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 :

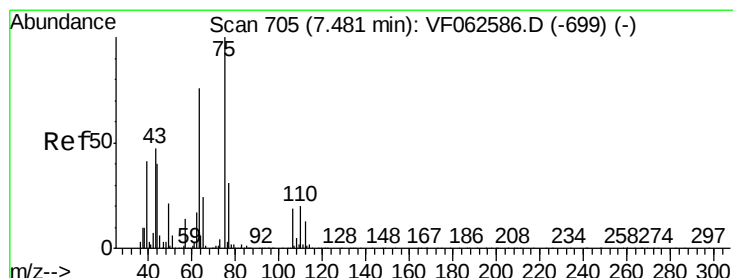
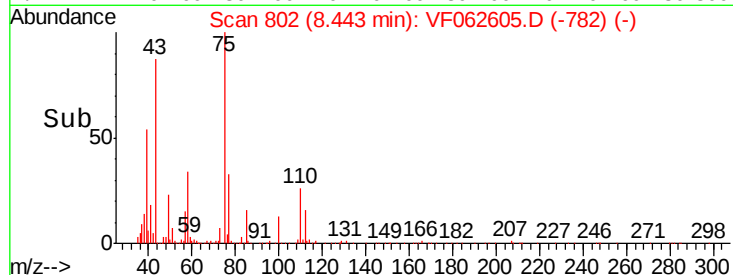
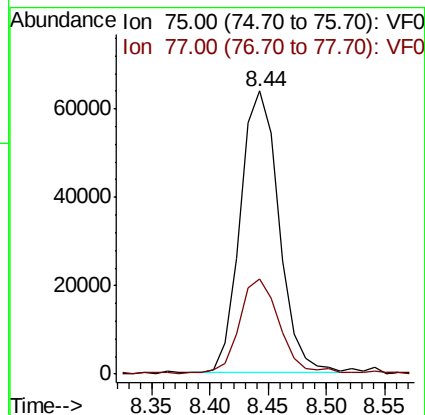
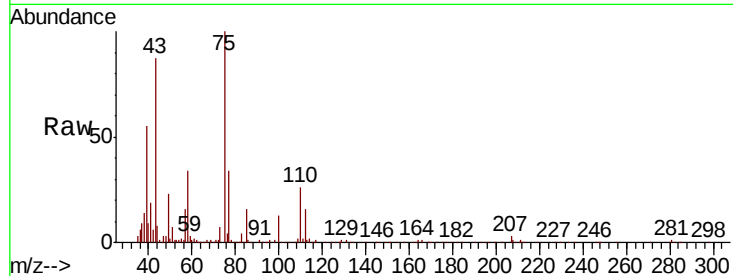
VF0515SBS01

Tgt 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

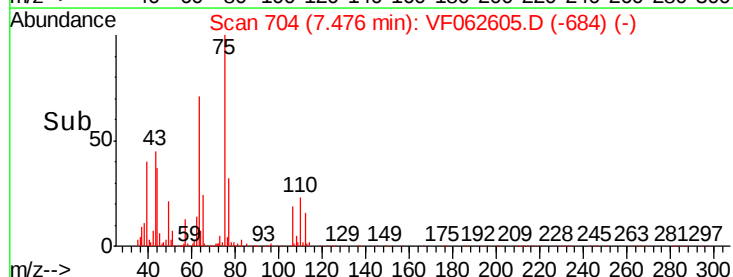
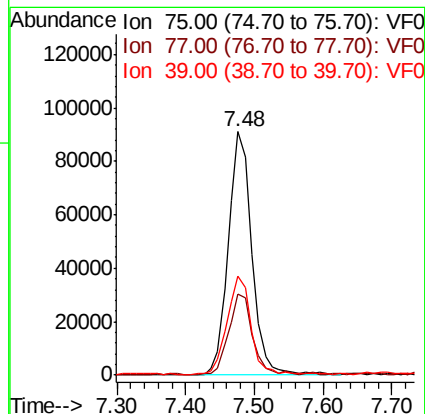
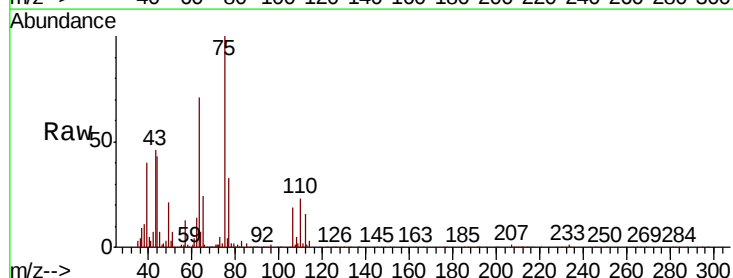
Tgt Ion: 75 Resp: 214901

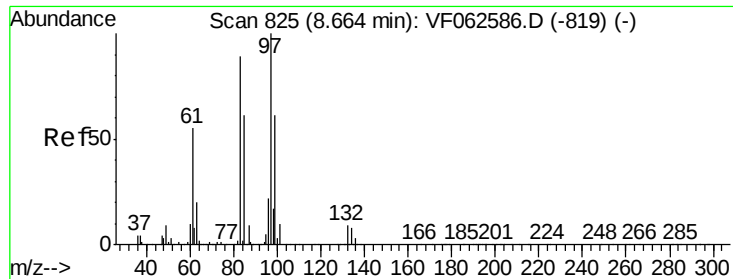
Ion Ratio Lower Upper

75 100

77 33.2 25.0 37.6

39 40.4 32.8 49.2

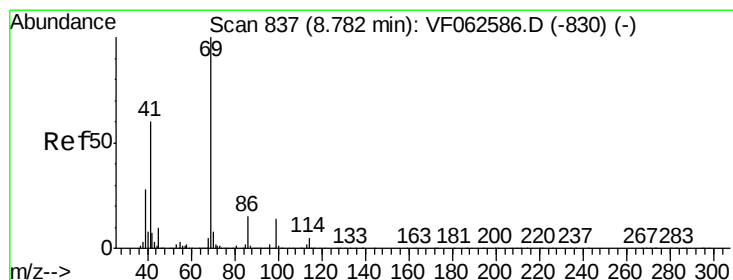
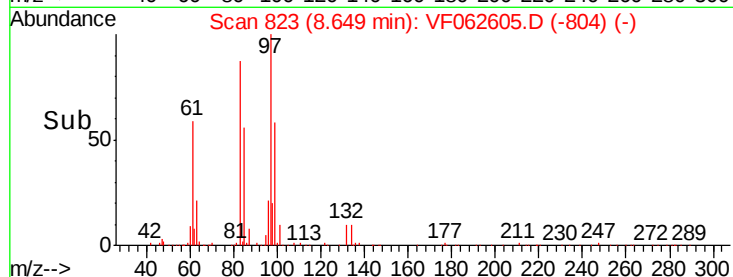
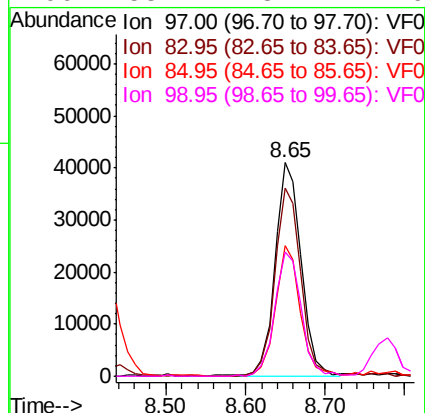
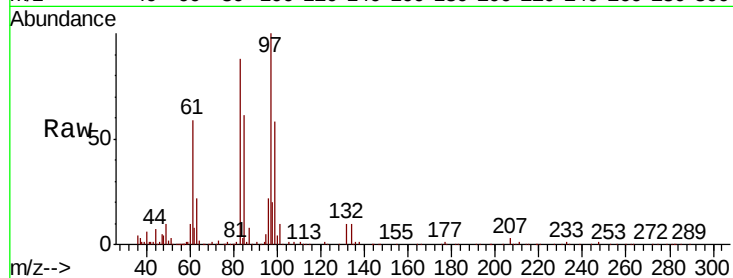




#55
1,1,2-Trichloroethane
Concen: 21.967 ug/l
RT: 8.65 min Scan# 823
Delta R.T. -0.01 min
Lab File: VF062605.D
Acq: 15 May 2019 13:31

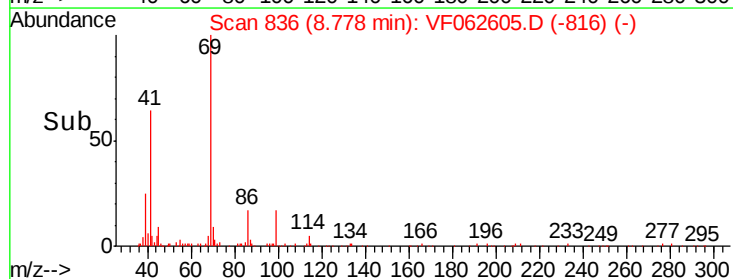
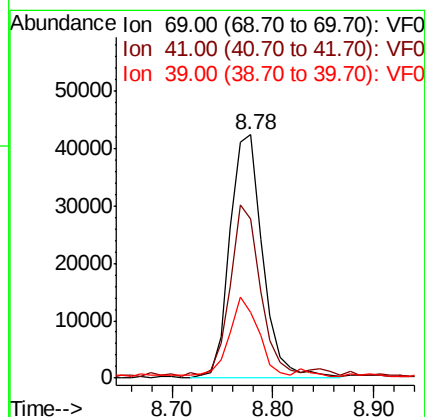
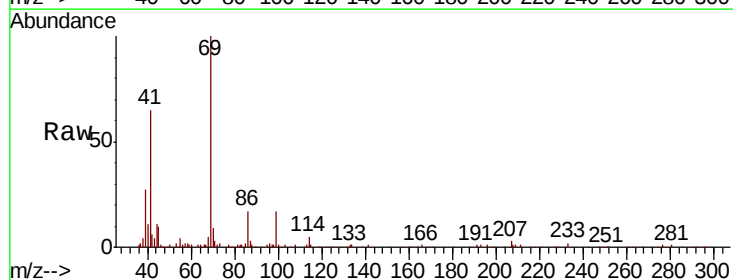
Instrument :
MSVOA_F
ClientSampleId :
VF0515SBS01

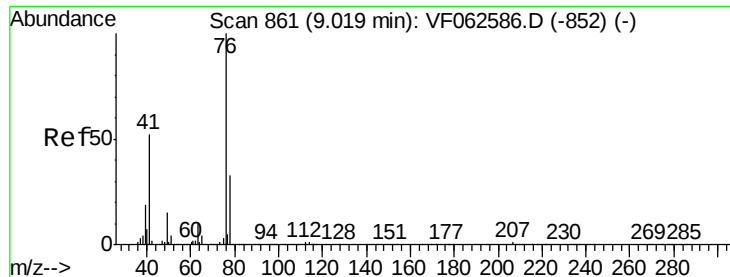
Tgt Ion:	97	Resp:	93977
Ion	Ratio	Lower	Upper
97	100		
83	88.0	71.3	106.9
85	61.1	48.9	73.3
99	58.2	48.4	72.6



#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





#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 :

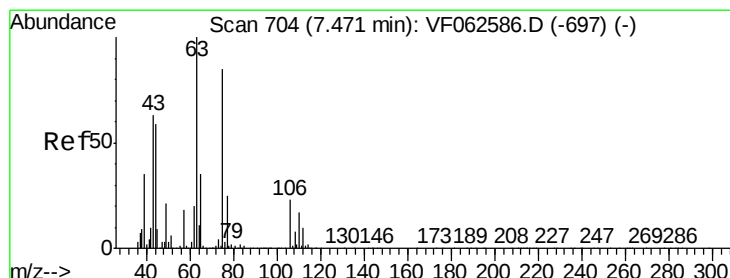
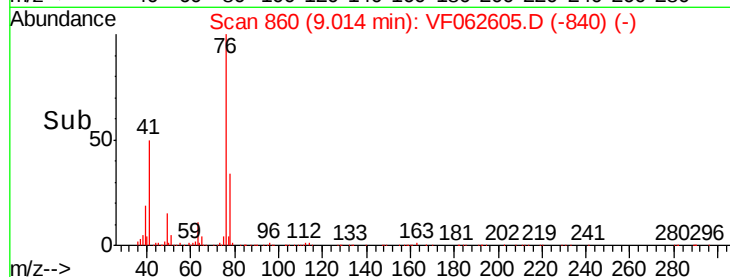
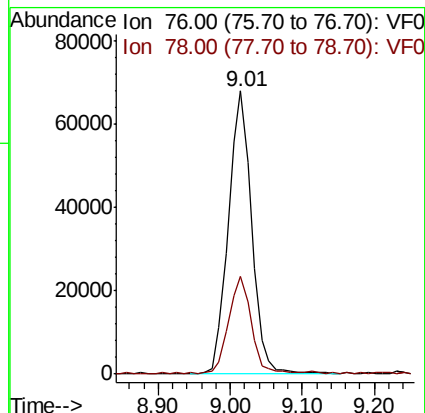
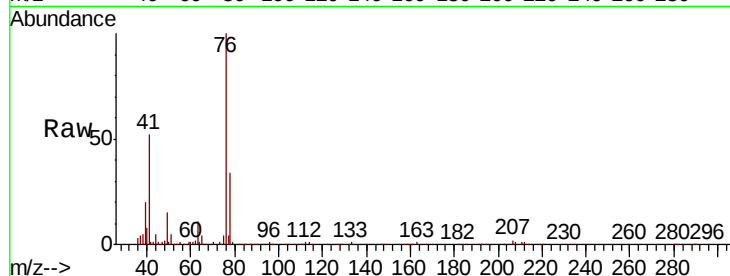
VF0515SBS01

Tgt 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

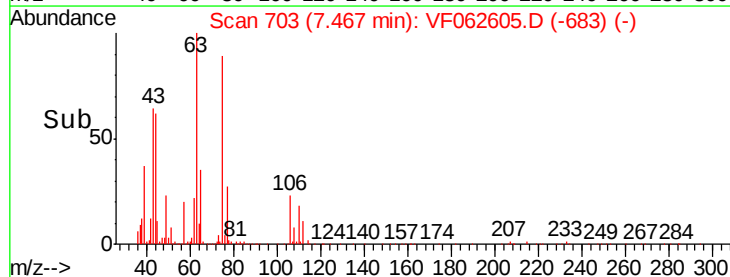
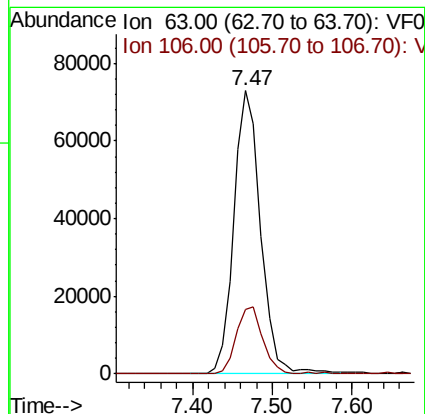
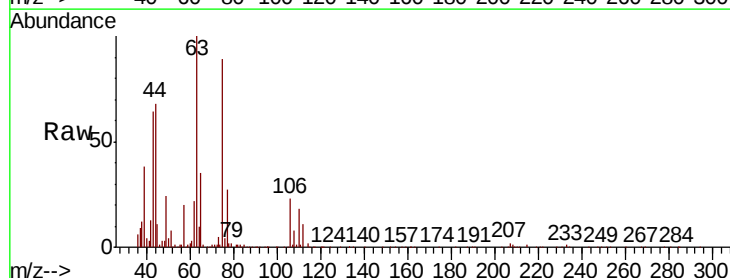
Acq: 15 May 2019 13:31

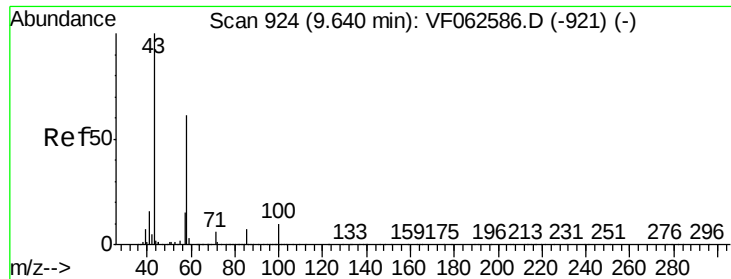
Tgt Ion: 63 Resp: 169625

Ion Ratio Lower Upper

63 100

106 22.8 18.0 27.0

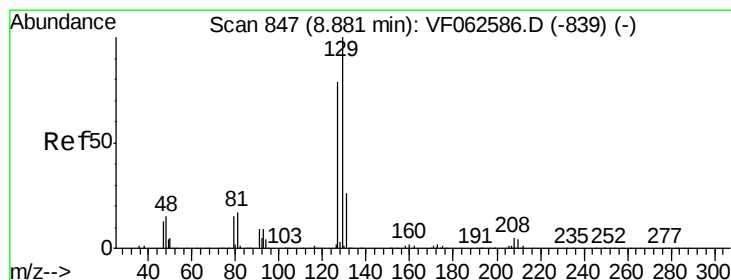
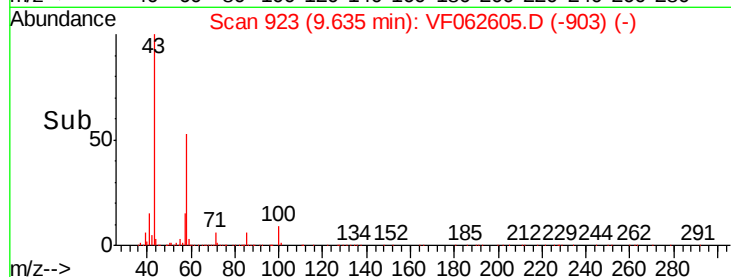
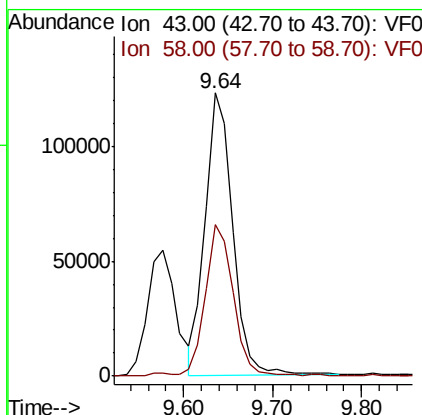
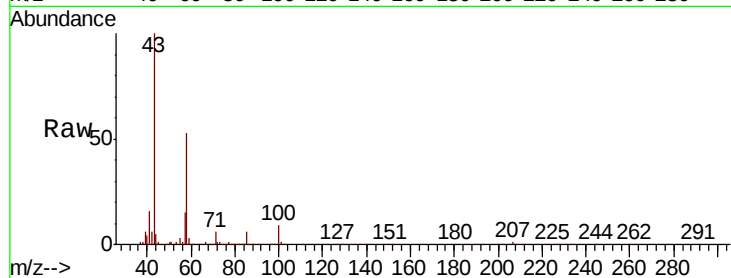




#59
2-Hexanone
Concen: 110.816 ug/l
RT: 9.64 min Scan# 923
Delta R.T. -0.00 min
Lab File: VF062605.D
Acq: 15 May 2019 13:31

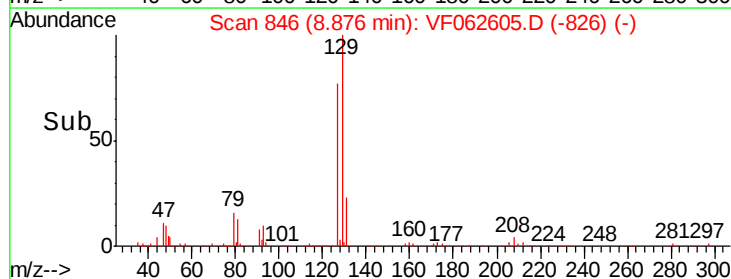
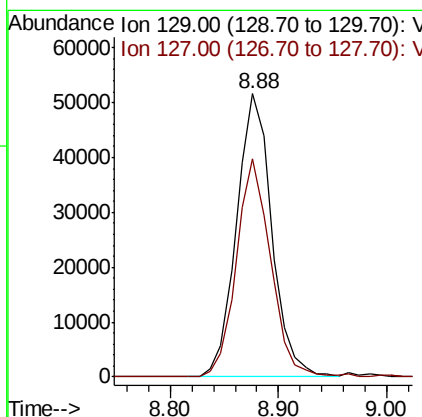
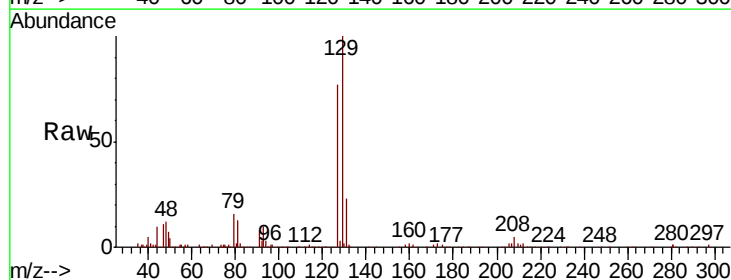
Instrument :
MSVOA_F
ClientSampleId :
VF0515SBS01

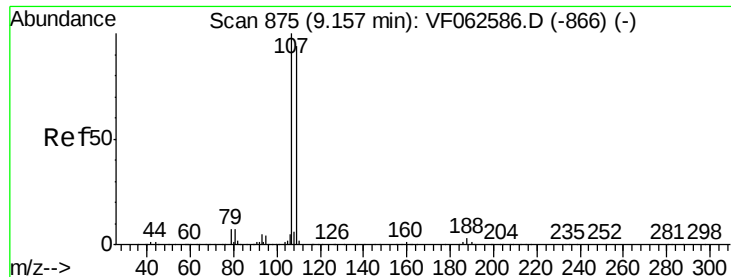
Tgt Ion: 43 Resp: 260911
Ion Ratio Lower Upper
43 100
58 53.4 28.7 86.3



#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 :

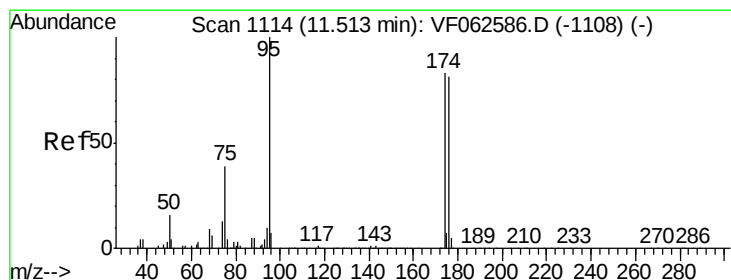
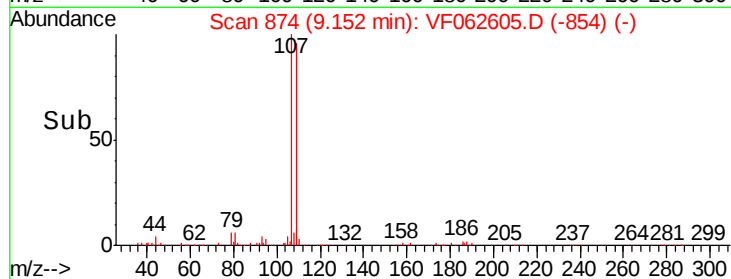
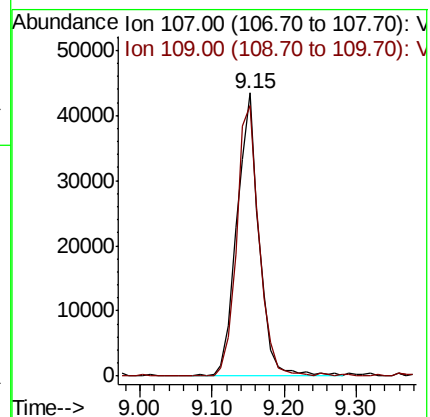
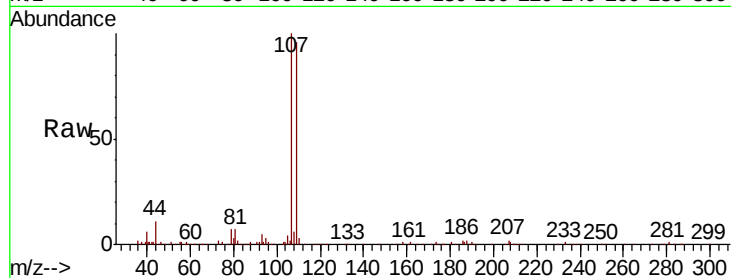
VF0515SBS01

Tgt 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

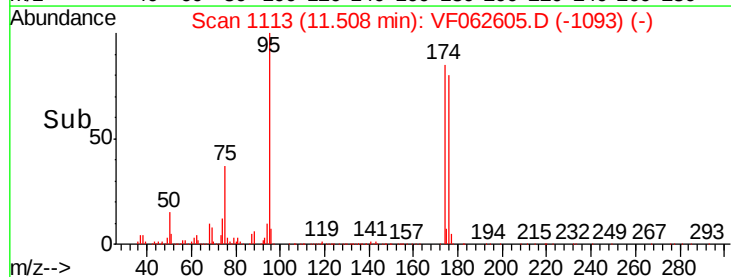
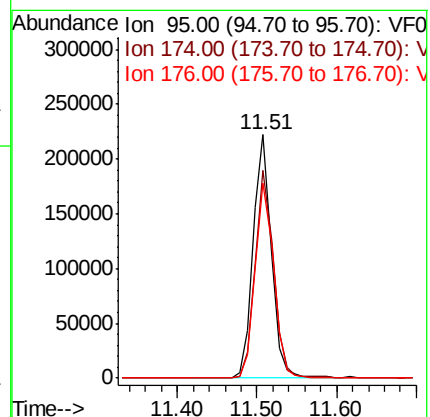
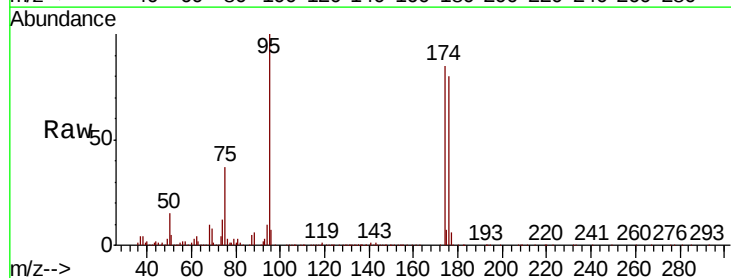
Tgt Ion: 95 Resp: 345886

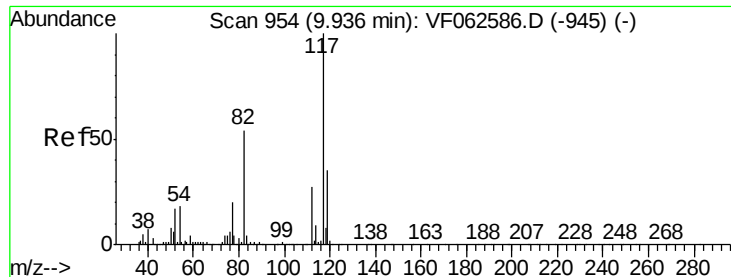
Ion Ratio Lower Upper

95 100

174 85.2 0.0 166.6

176 80.1 0.0 161.8

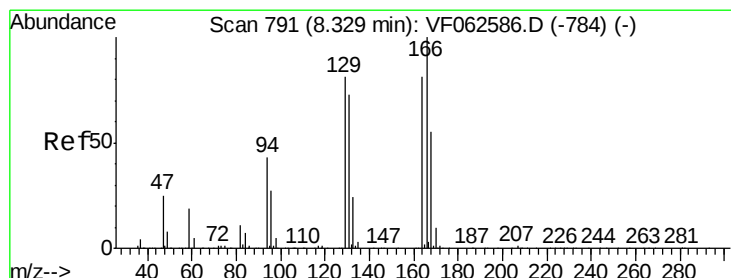
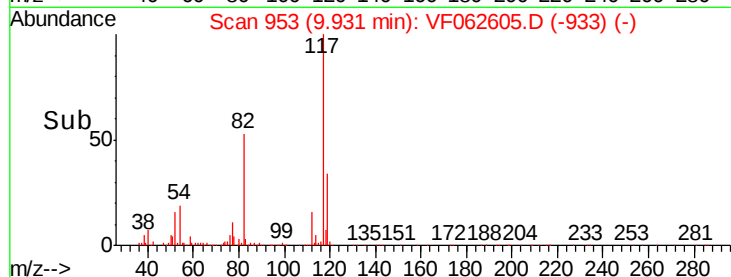
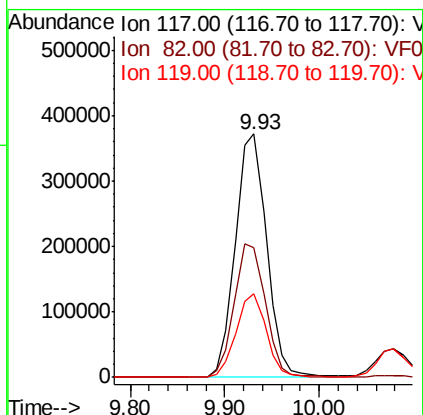
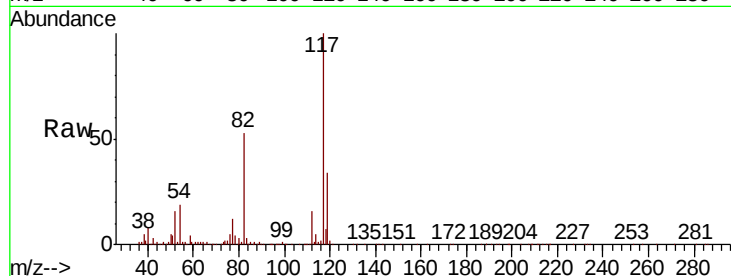




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.93 min Scan# 953
Delta R.T. -0.00 min
Lab File: VF062605.D
Acq: 15 May 2019 13:31

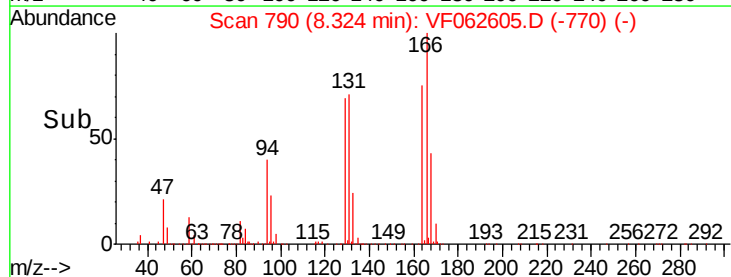
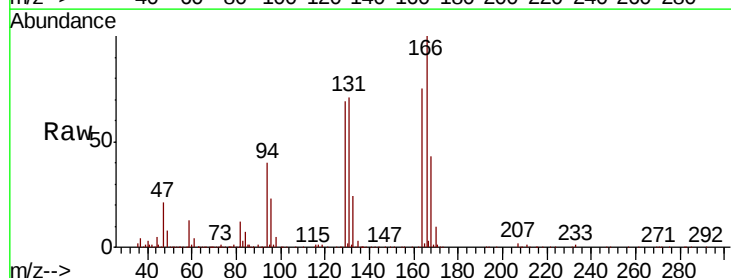
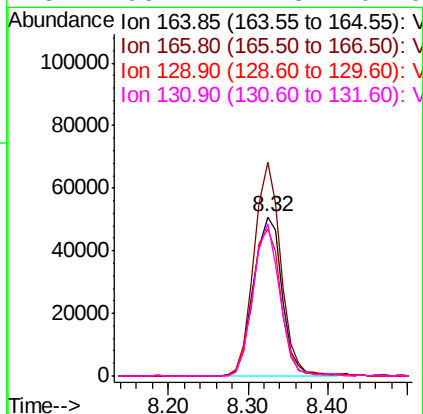
Instrument :
MSVOA_F
ClientSampleId :
VF0515SBS01

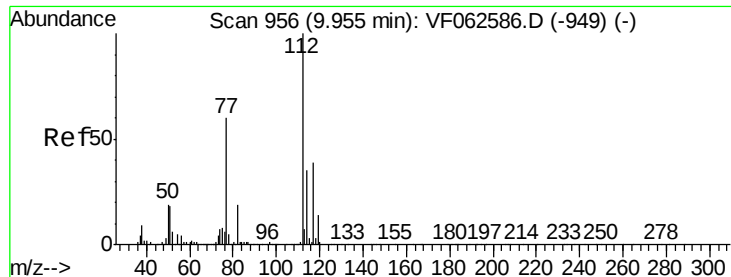
Tgt Ion	Ratio	Lower	Upper
117	100		
82	53.3	43.4	65.0
119	34.3	27.7	41.5



#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	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

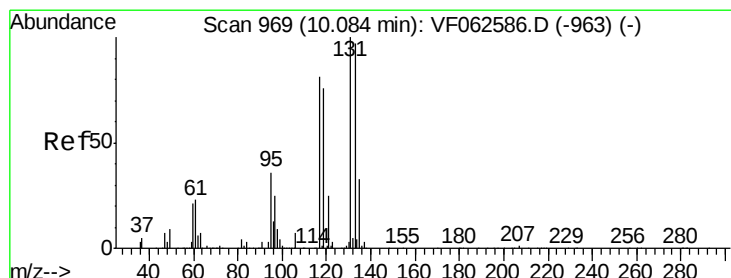
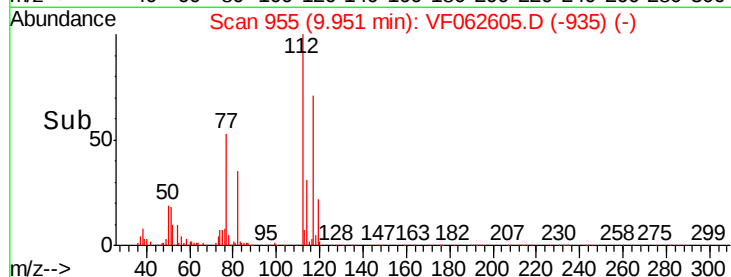
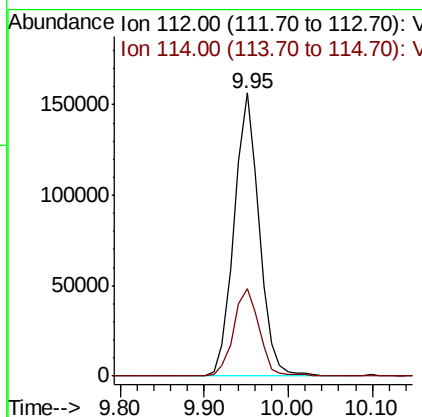
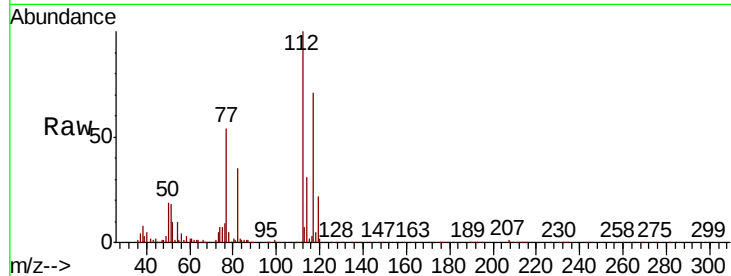




#65
Chlorobenzene
Concen: 21.882 ug/l
RT: 9.95 min Scan# 955
Delta R.T. -0.00 min
Lab File: VF062605.D
Acq: 15 May 2019 13:31

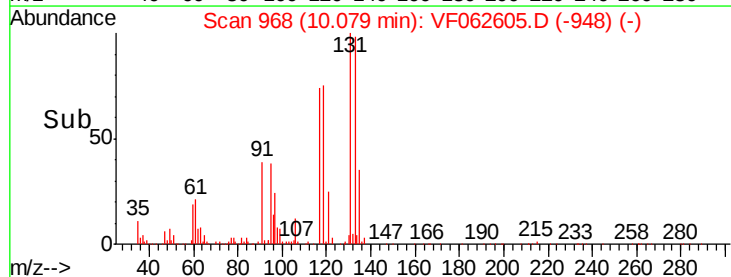
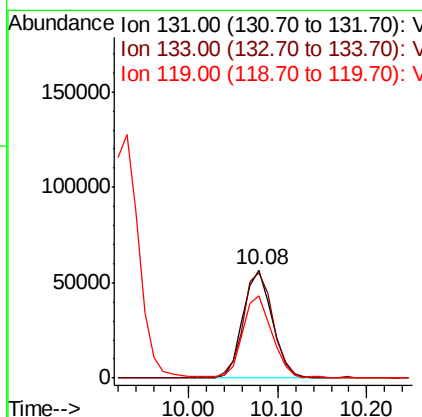
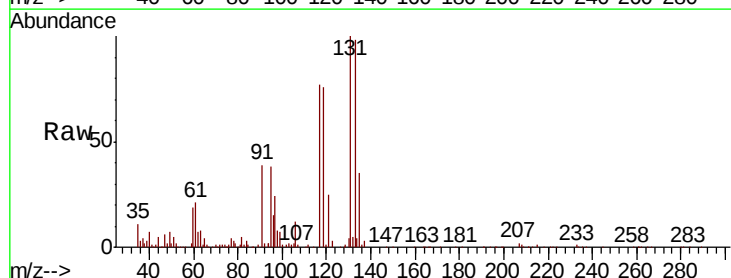
Instrument :
MSVOA_F
ClientSampleId :
VF0515SBS01

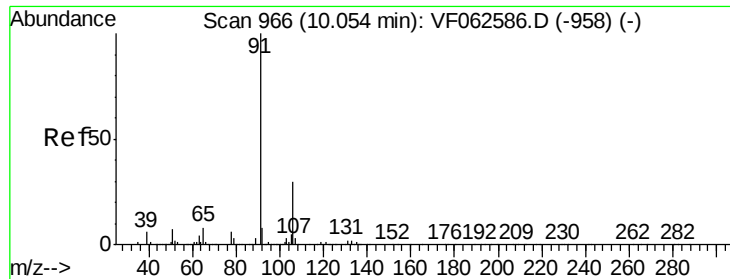
Tgt Ion:112 Resp: 325164
Ion Ratio Lower Upper
112 100
114 31.1 27.9 41.9



#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 :

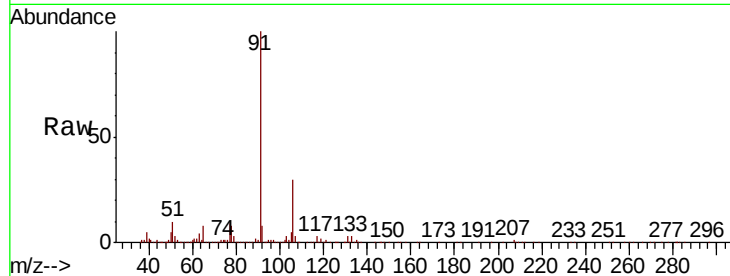
VF0515SBS01

Tgt Ion: 91 Resp: 595721

Ion Ratio Lower Upper

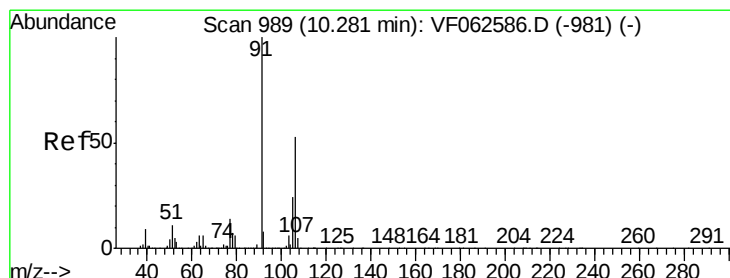
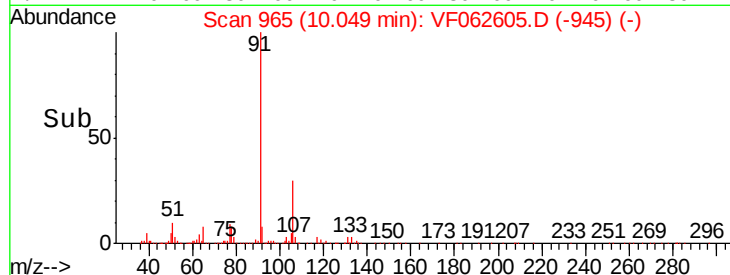
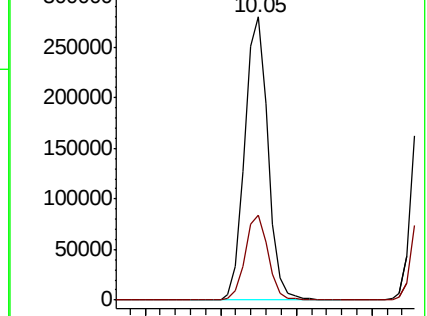
91 100

106 30.1 24.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V



#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

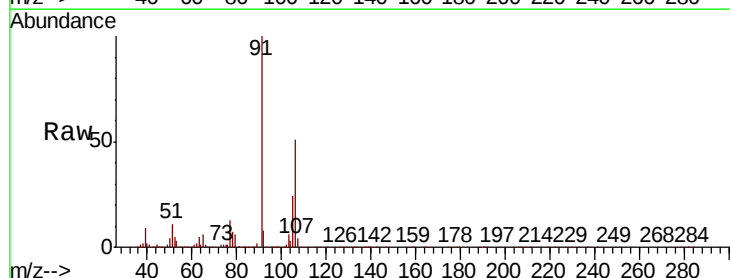
Acq: 15 May 2019 13:31

Tgt Ion: 106 Resp: 417831

Ion Ratio Lower Upper

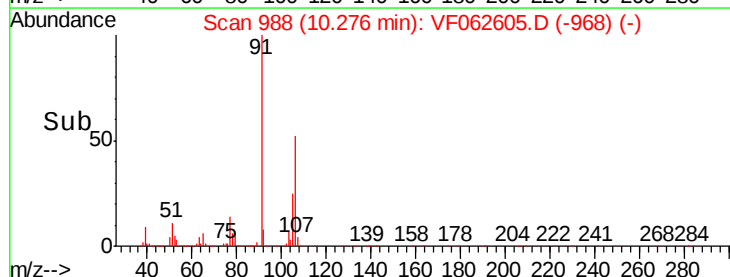
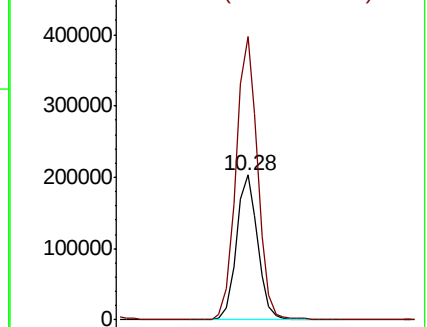
106 100

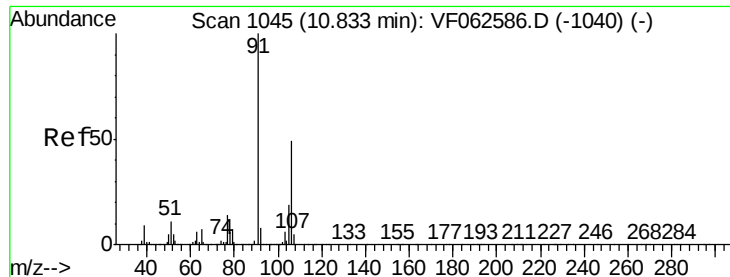
91 195.5 150.5 225.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

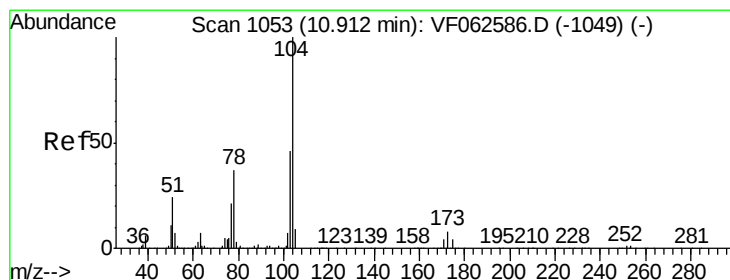
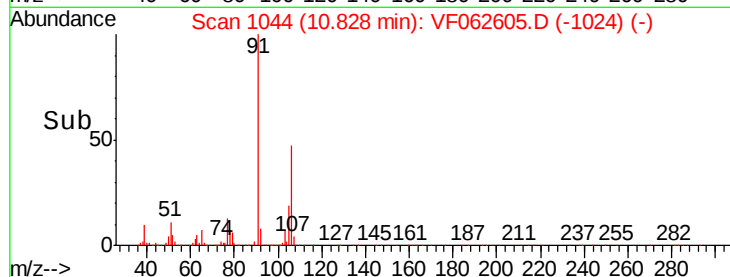
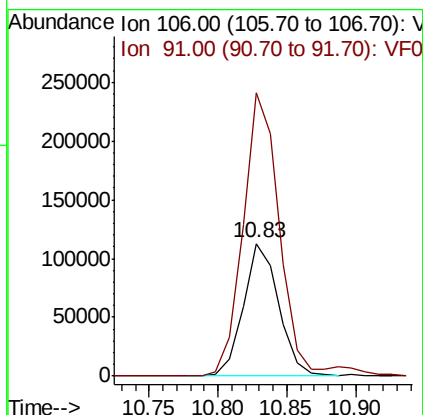
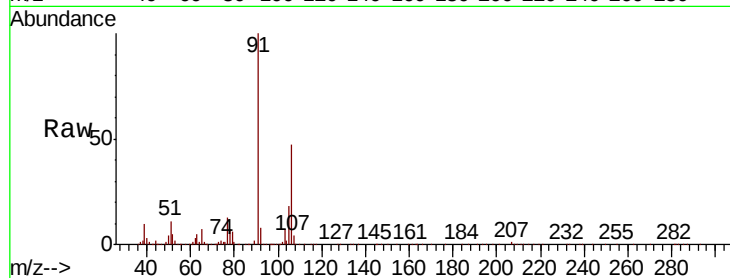




#69
o-Xylene
Concen: 20.622 ug/l
RT: 10.83 min Scan# 1044
Delta R.T. -0.00 min
Lab File: VF062605.D
Acq: 15 May 2019 13:31

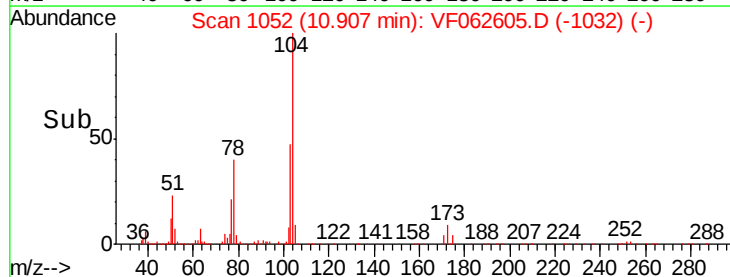
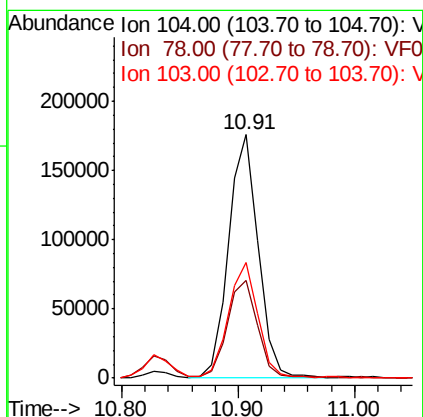
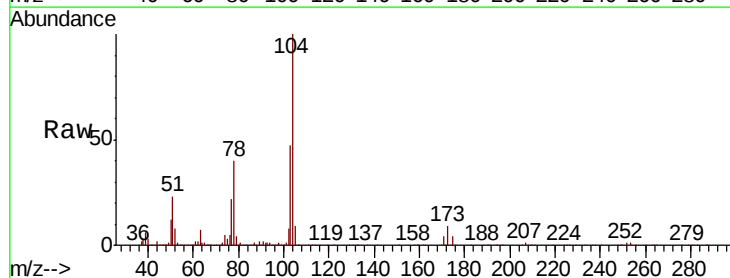
Instrument :
MSVOA_F
ClientSampleId :
VF0515SBS01

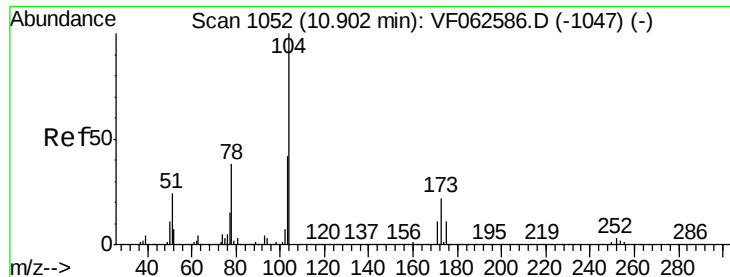
Tgt Ion:106 Resp: 202441
Ion Ratio Lower Upper
106 100
91 212.9 102.0 305.9



#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

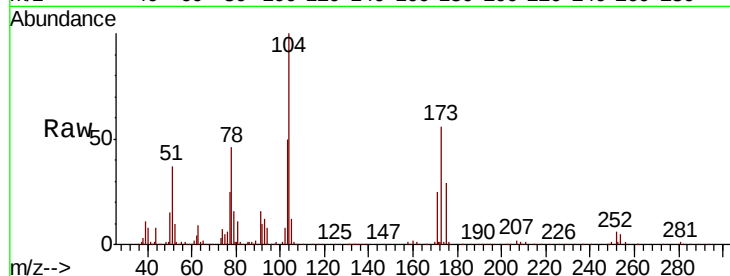
Tgt Ion:173 Resp: 60895

Ion Ratio Lower Upper

173 100

175 51.2 24.1 72.3

254 0.0 0.0 0.0

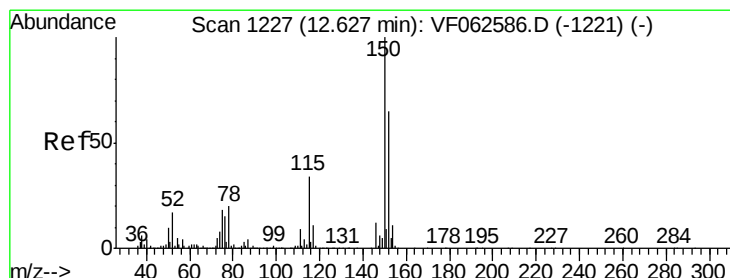
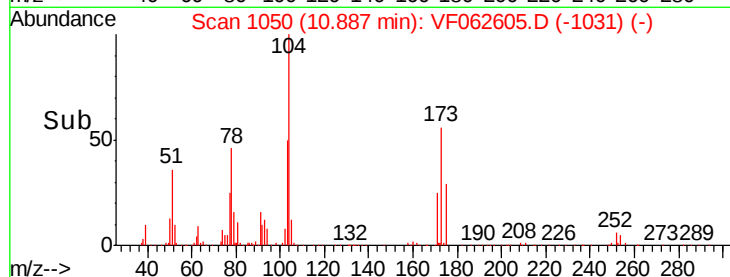
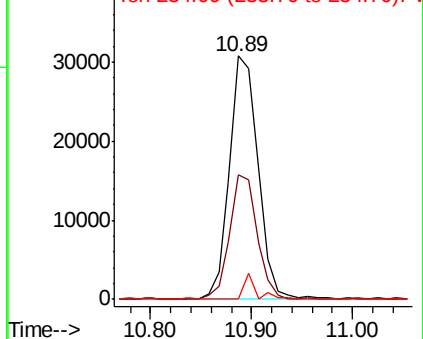


Abundance

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

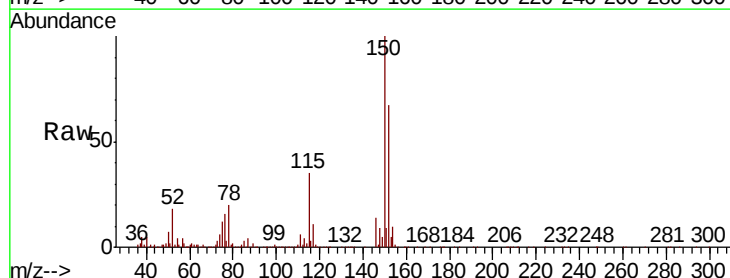
Tgt Ion:152 Resp: 435345

Ion Ratio Lower Upper

152 100

115 51.7 26.2 78.6

150 148.3 0.0 316.0

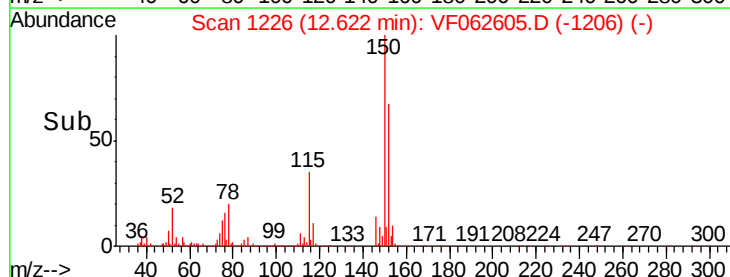
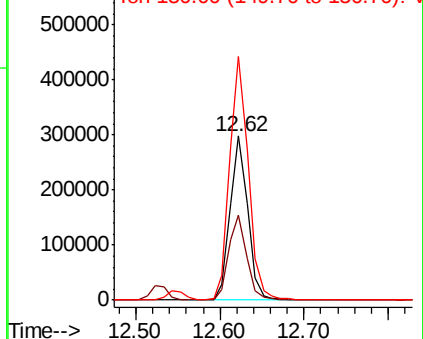


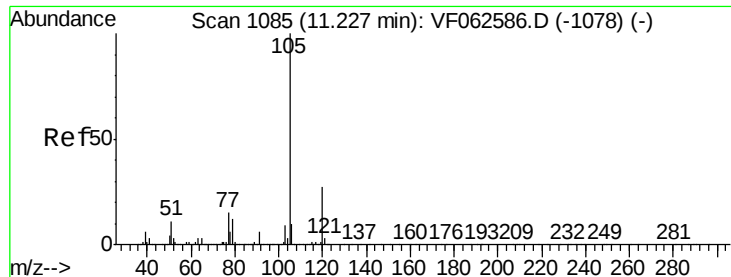
Abundance

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 :

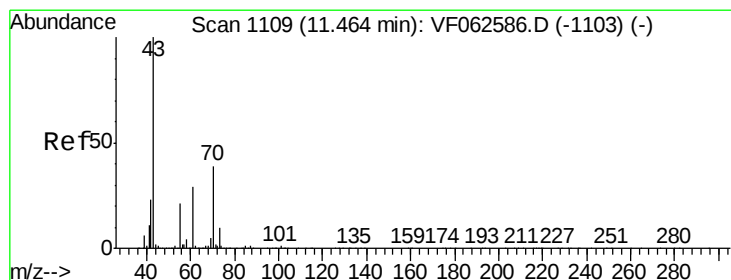
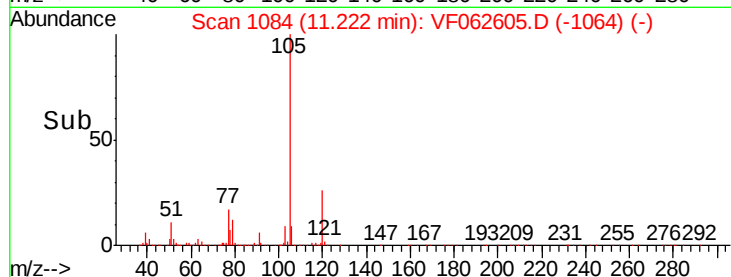
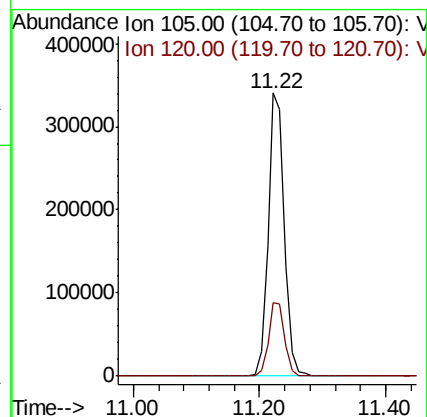
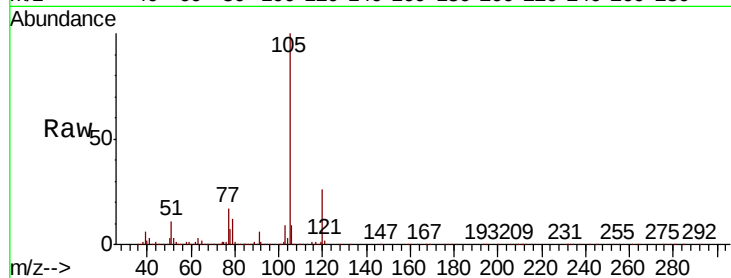
VF0515SBS01

Tgt Ion: 105 Resp: 606497

Ion Ratio Lower Upper

105 100

120 25.9 13.5 40.4



#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

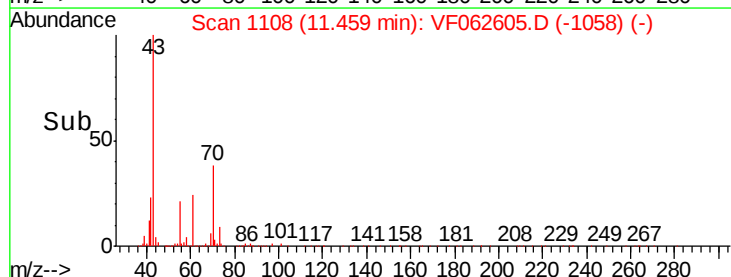
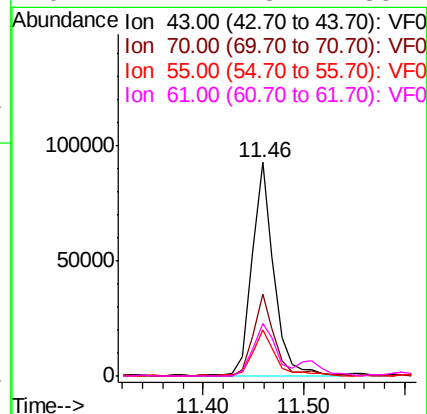
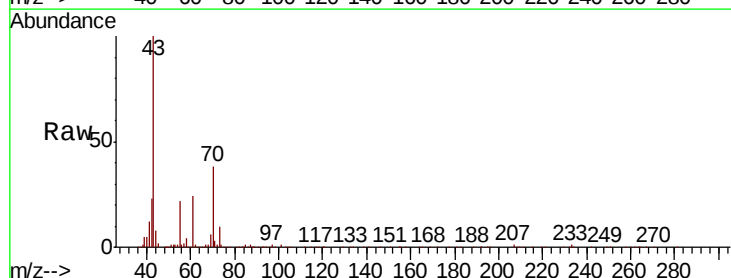
Ion Ratio Lower Upper

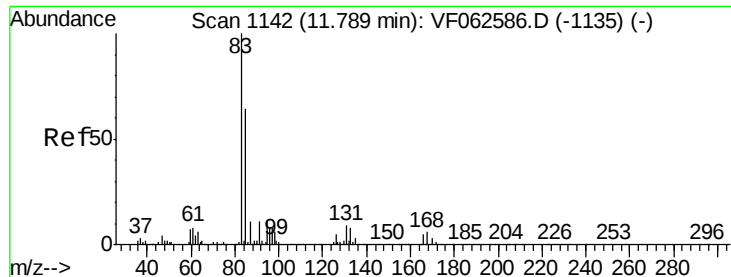
43 100

70 38.4 31.0 46.4

55 21.5 16.7 25.1

61 24.4 23.4 35.2





#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

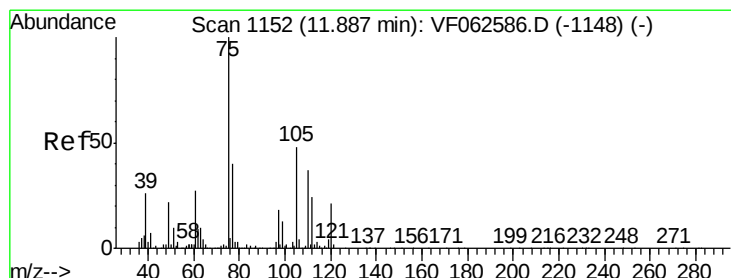
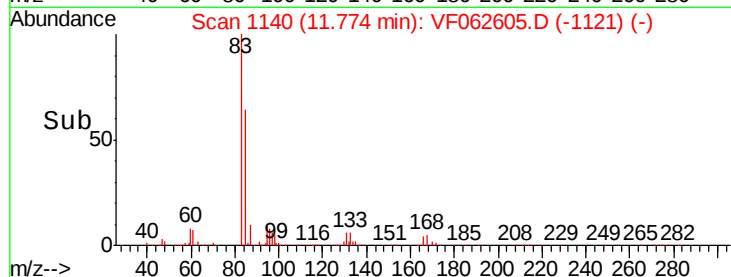
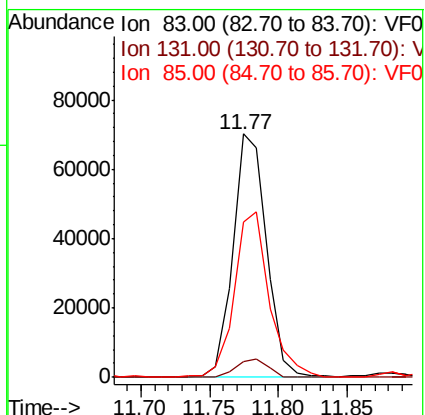
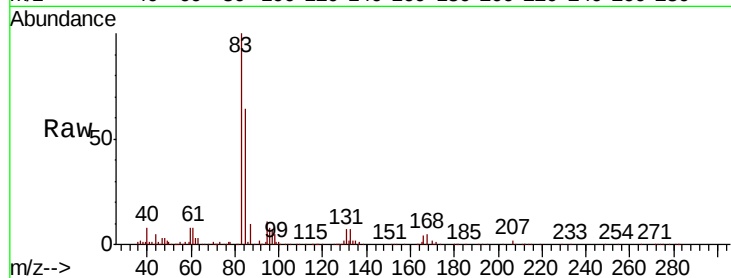
Tgt Ion: 83 Resp: 118939

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

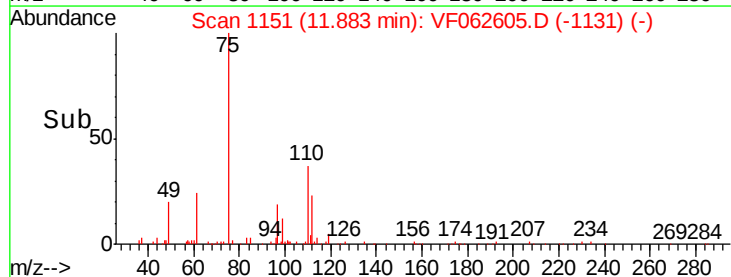
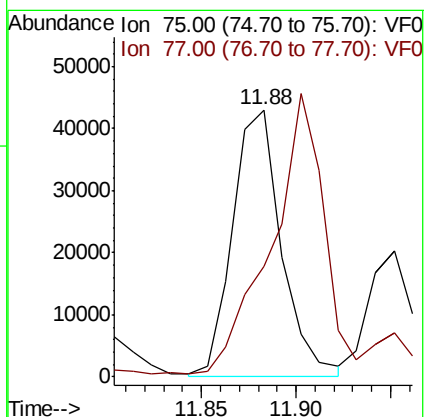
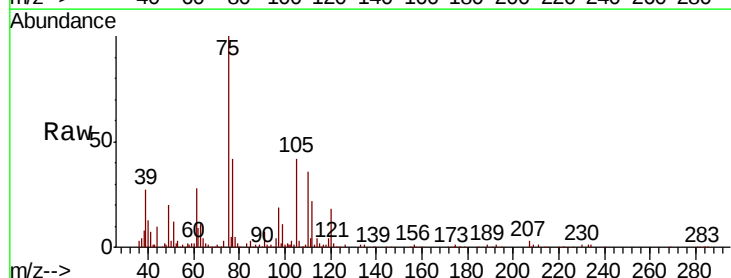
Acq: 15 May 2019 13:31

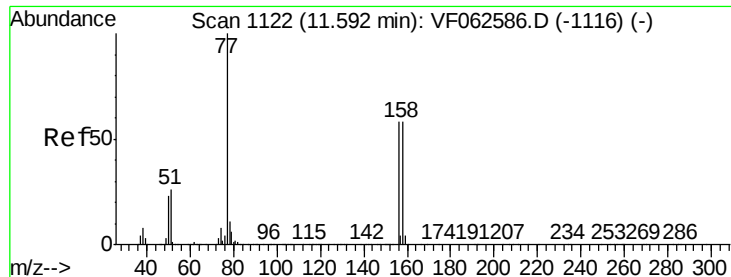
Tgt Ion: 75 Resp: 76527

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

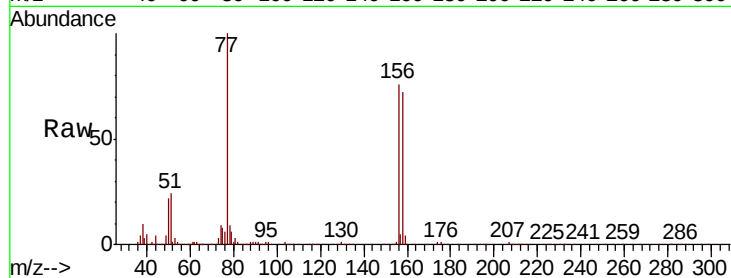
Tgt Ion:156 Resp: 136340

Ion Ratio Lower Upper

156 100

77 131.8 86.5 259.5

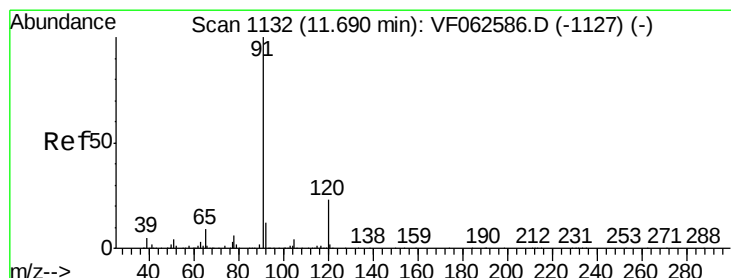
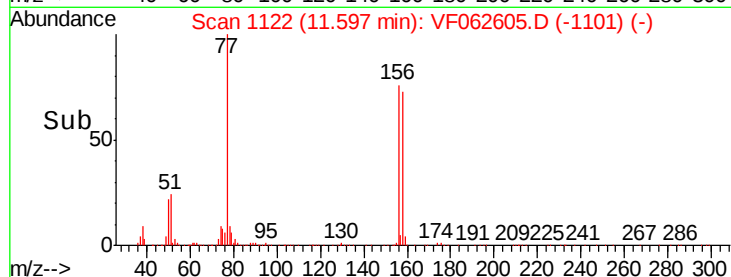
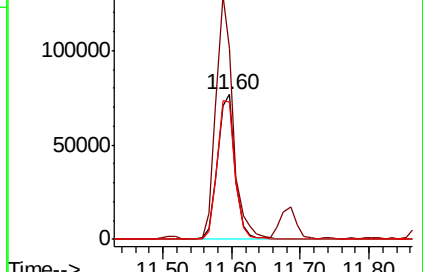
158 95.3 50.3 150.9



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

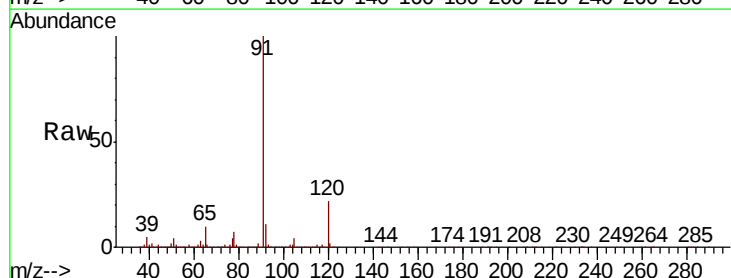
Acq: 15 May 2019 13:31

Tgt Ion: 91 Resp: 723768

Ion Ratio Lower Upper

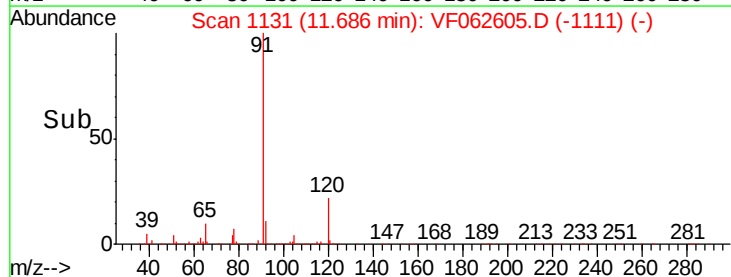
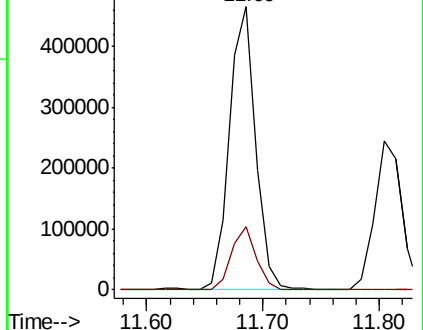
91 100

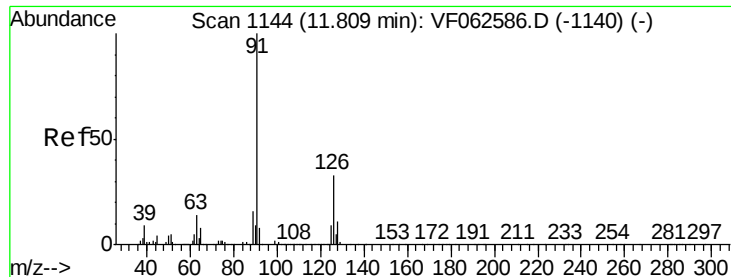
120 22.1 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

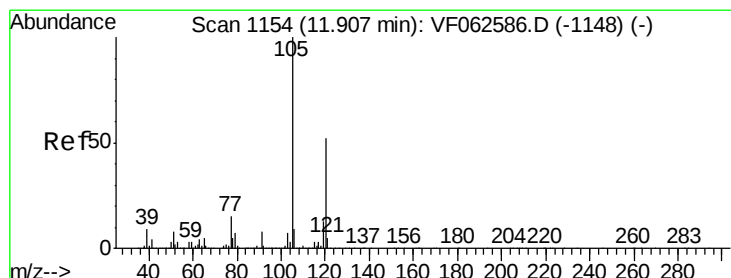
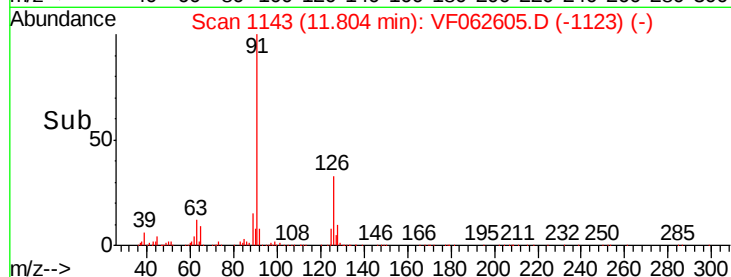
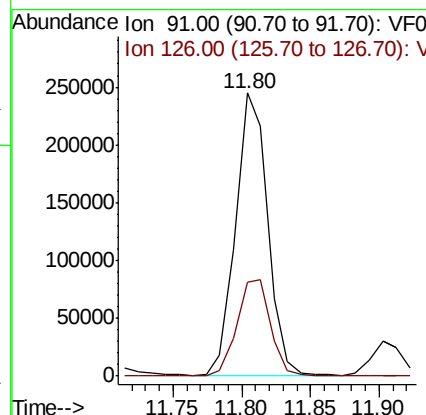
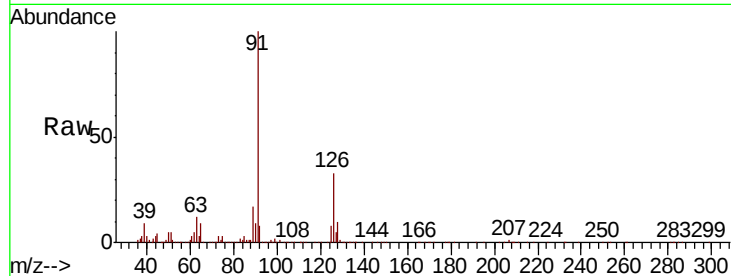




#79
 2-Chlorotoluene
 Concen: 20.607 ug/l
 RT: 11.80 min Scan# 1143
 Delta R.T. -0.00 min
 Lab File: VF062605.D
 Acq: 15 May 2019 13:31

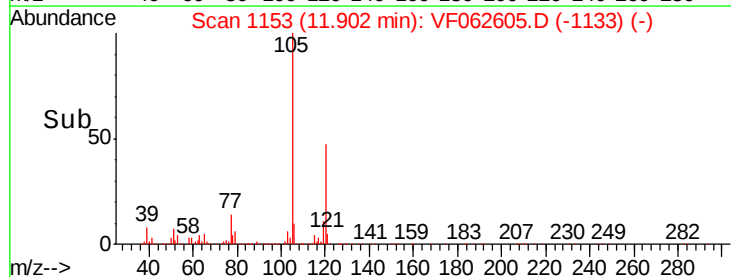
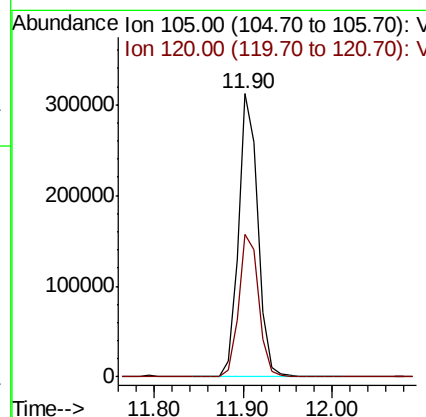
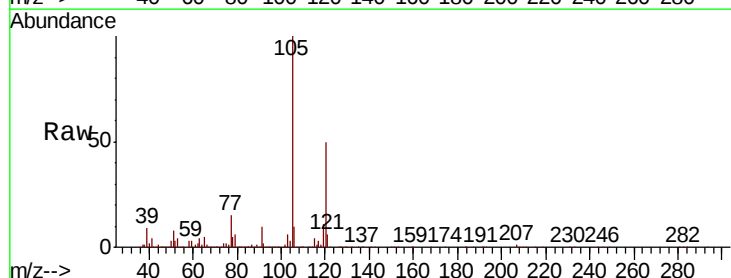
Instrument :
 MSVOA_F
 ClientSampled :
 VF0515SBS01

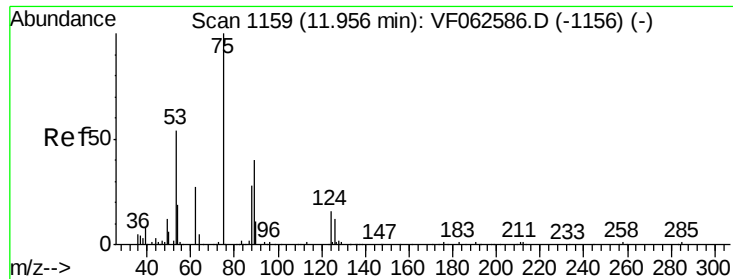
Tgt Ion: 91 Resp: 395955
 Ion Ratio Lower Upper
 91 100
 126 33.2 16.6 49.8



#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: 26.212 ug/l

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

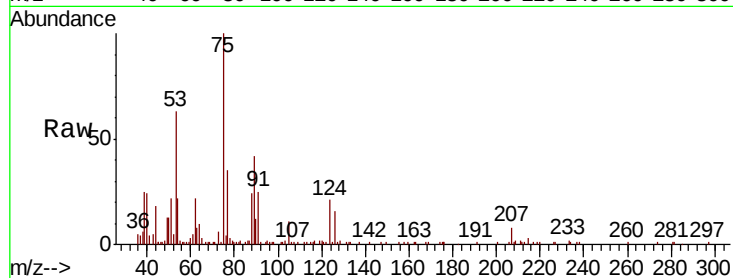
Tgt Ion: 75 Resp: 42950

Ion Ratio Lower Upper

75 100

53 63.0 46.6 70.0

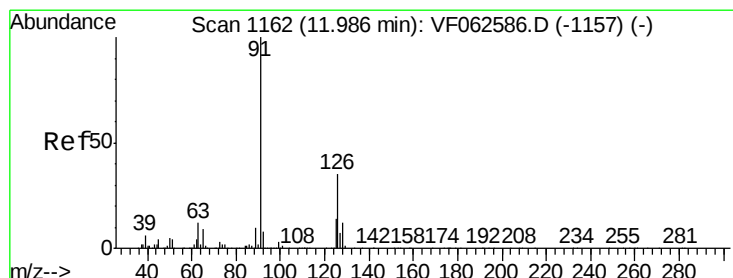
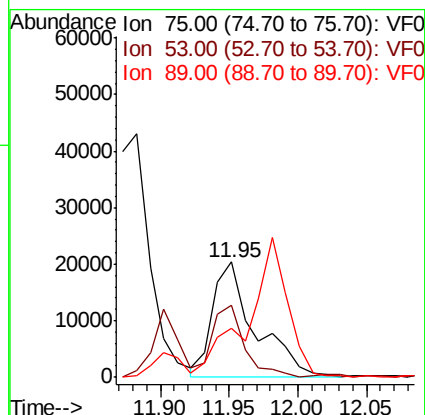
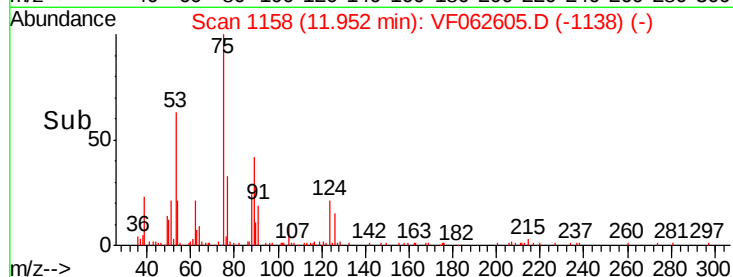
89 42.3 33.8 50.8



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0



#82

4-Chlorotoluene

Concen: 21.054 ug/l

RT: 11.98 min Scan# 1161

Delta R.T. -0.00 min

Lab File: VF062605.D

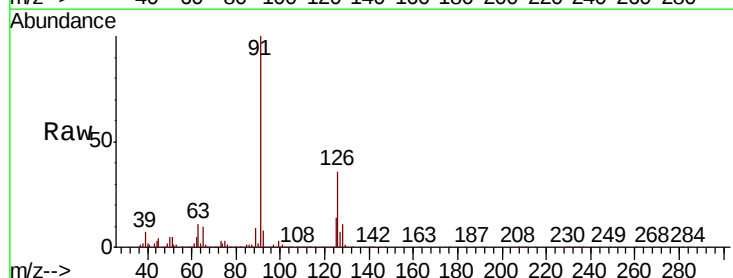
Acq: 15 May 2019 13:31

Tgt Ion: 91 Resp: 395559

Ion Ratio Lower Upper

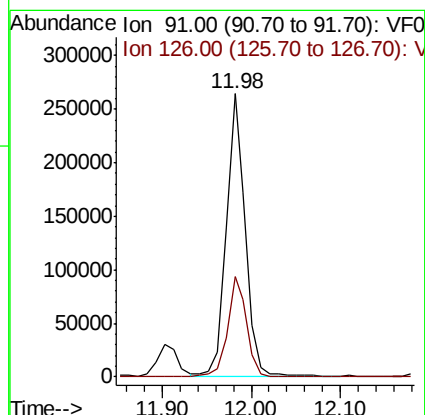
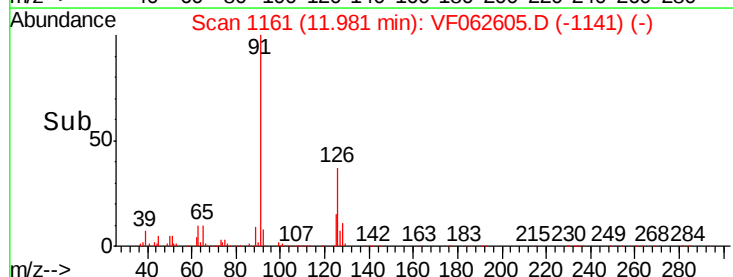
91 100

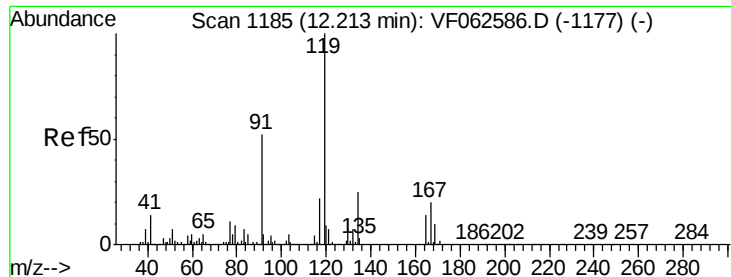
126 35.7 17.5 52.5



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

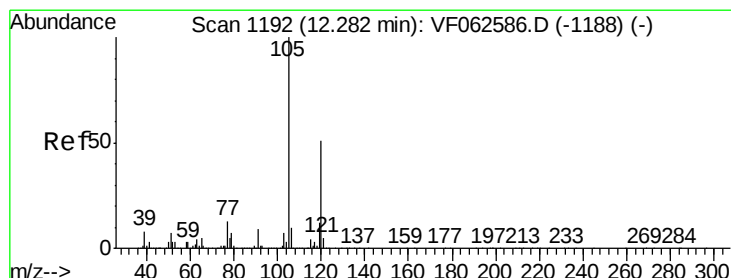
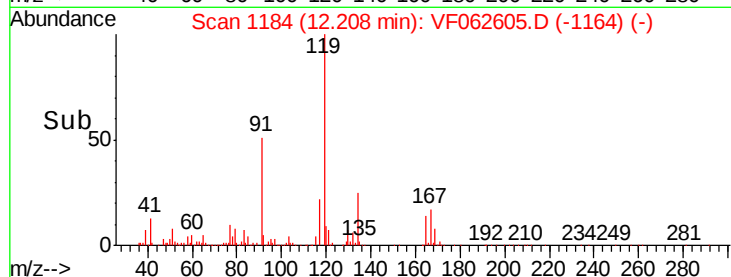
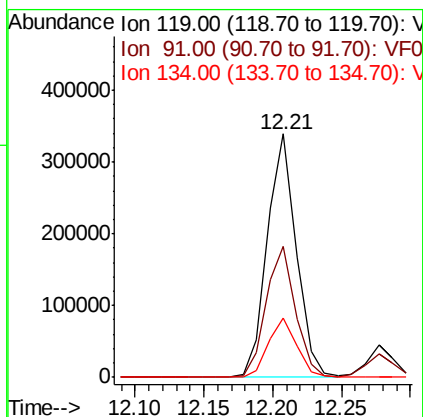
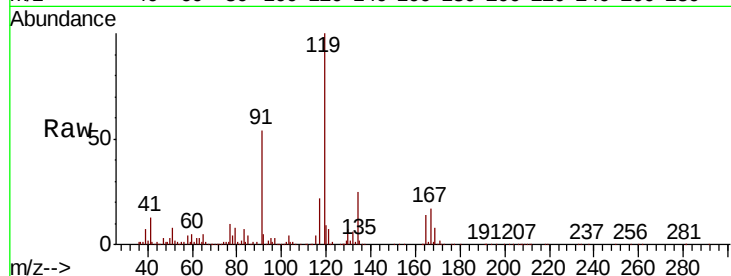




#83
 tert-Butylbenzene
 Concen: 20.764 ug/l
 RT: 12.21 min Scan# 1184
 Delta R.T. -0.00 min
 Lab File: VF062605.D
 Acq: 15 May 2019 13:31

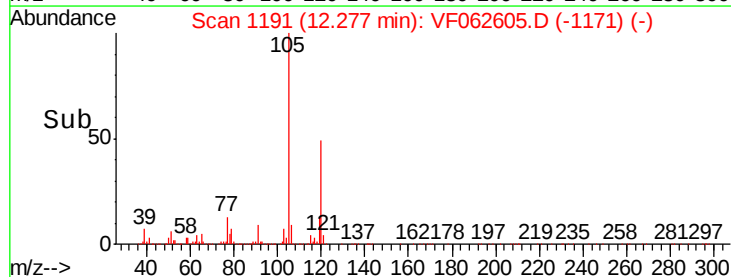
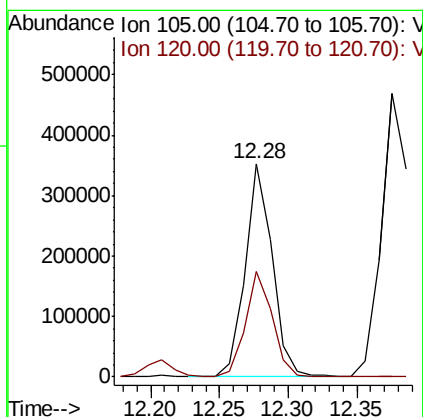
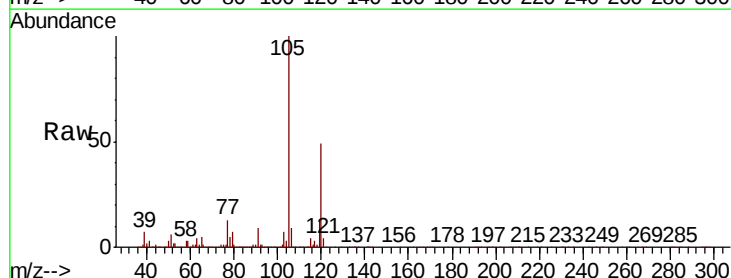
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0515SBS01

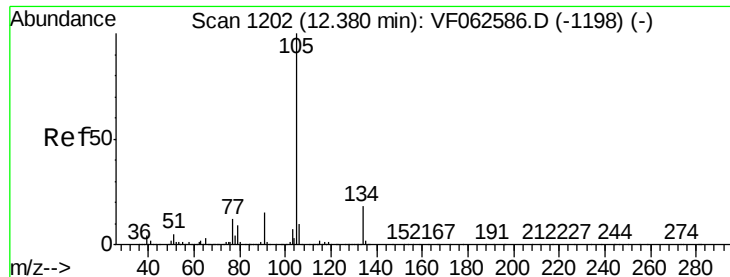
Tgt Ion:119 Resp: 497674
 Ion Ratio Lower Upper
 119 100
 91 53.7 26.0 78.0
 134 24.6 12.6 37.8



#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

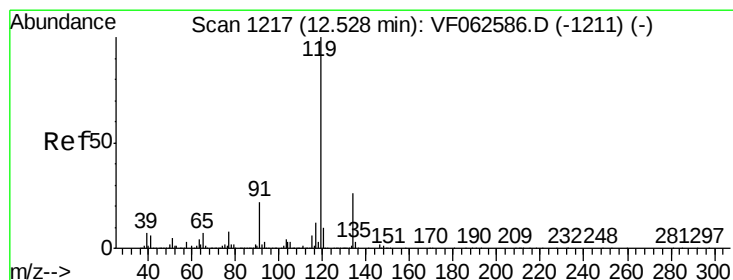
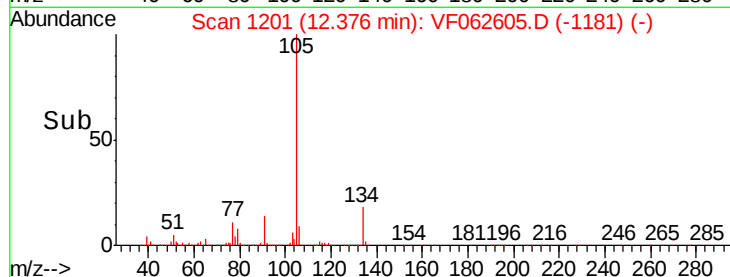
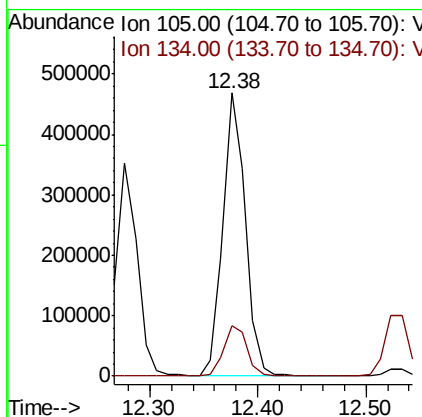
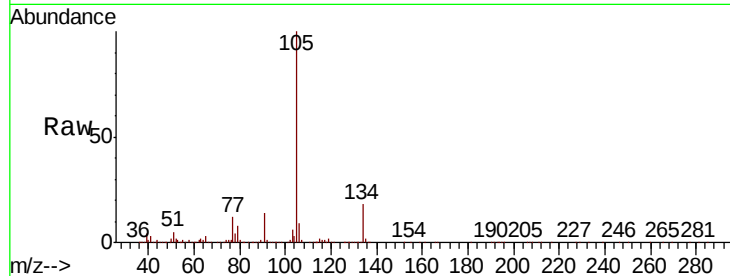




#85
 sec-Butylbenzene
 Concen: 20.758 ug/l
 RT: 12.38 min Scan# 1201
 Delta R.T. -0.00 min
 Lab File: VF062605.D
 Acq: 15 May 2019 13:31

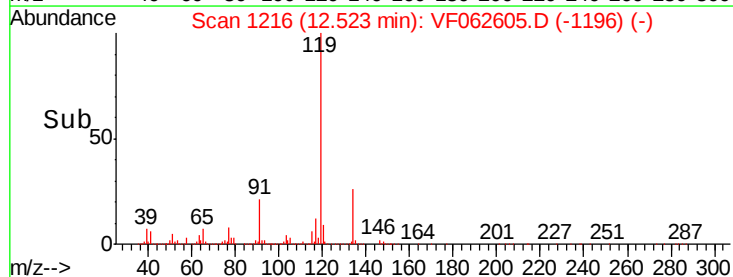
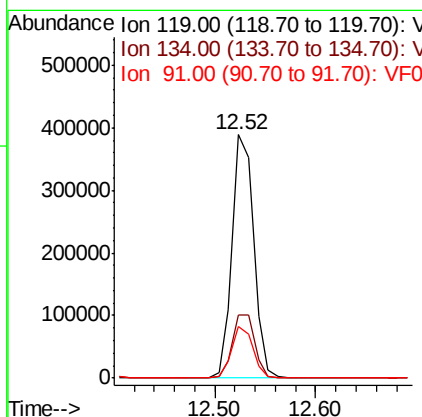
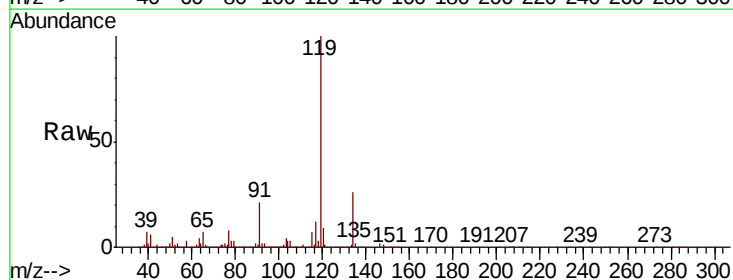
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0515SBS01

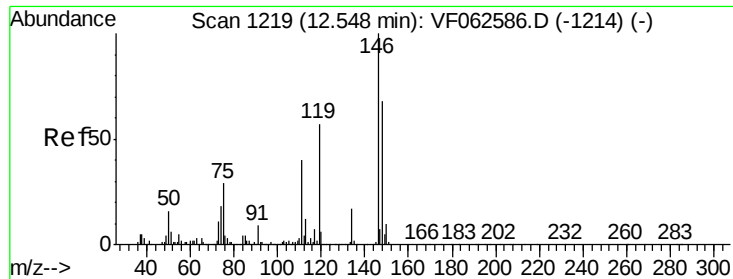
Tgt Ion:105 Resp: 675474
 Ion Ratio Lower Upper
 105 100
 134 17.9 9.3 27.7



#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





#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

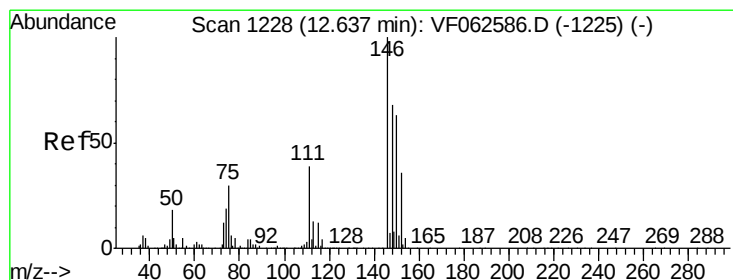
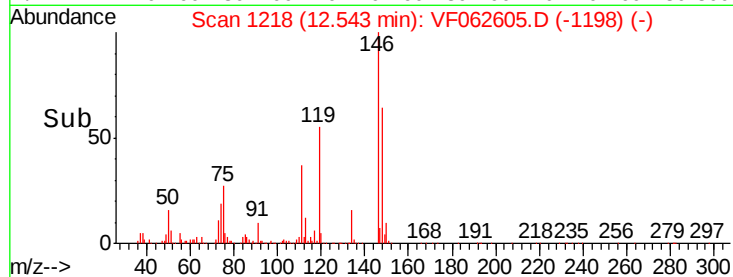
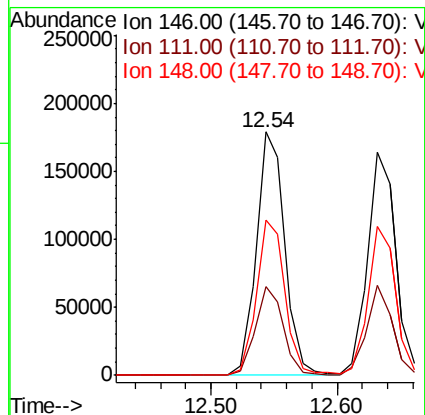
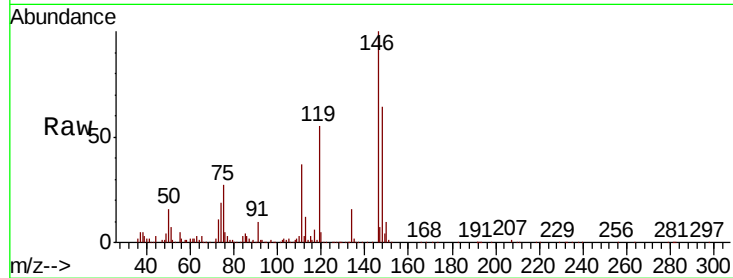
Instrument :

MSVOA_F

ClientSampleId :

VF0515SBS01

Tgt Ion:	146	Resp:	281858
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

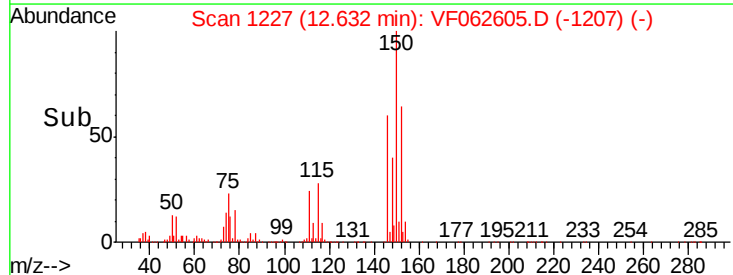
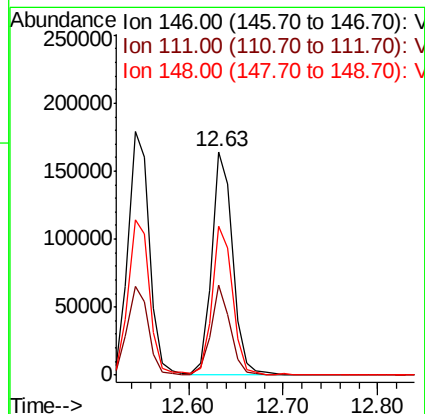
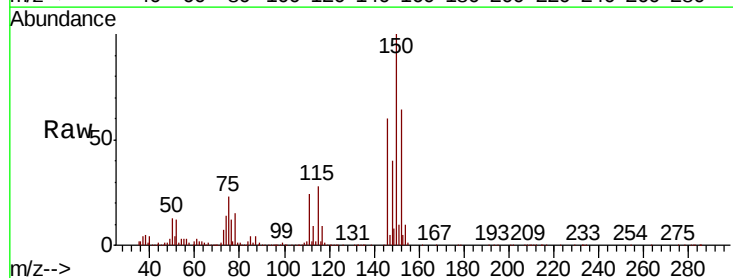
RT: 12.63 min Scan# 1227

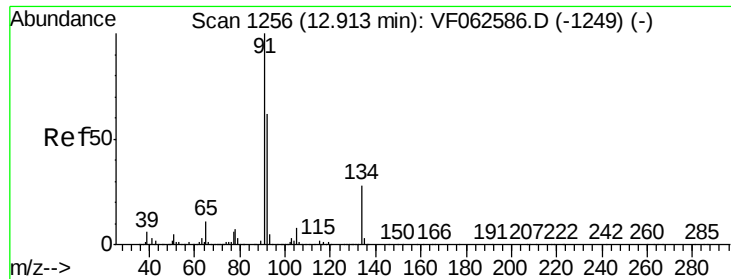
Delta R.T. -0.00 min

Lab File: VF062605.D

Acq: 15 May 2019 13:31

Tgt Ion:	146	Resp:	255628
Ion	Ratio	Lower	Upper
146	100		
111	40.4	19.4	58.1
148	66.6	34.2	102.5

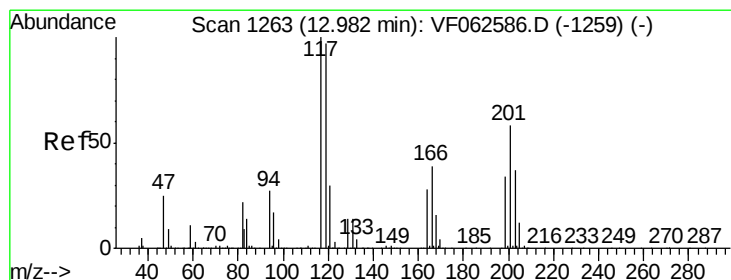
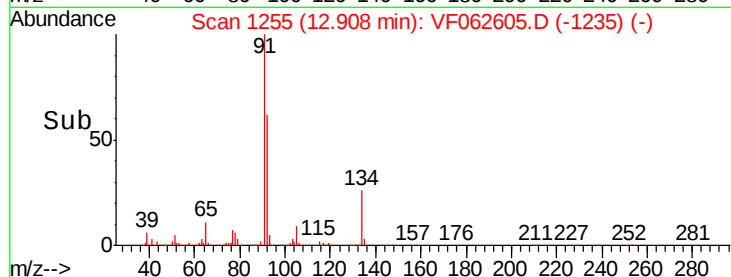
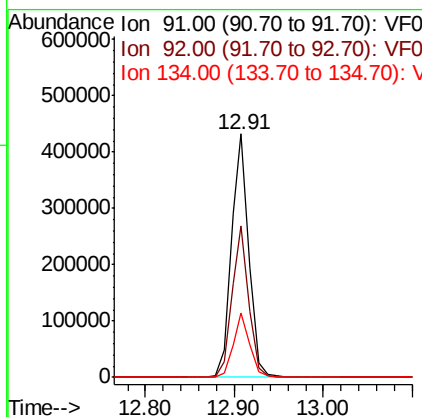
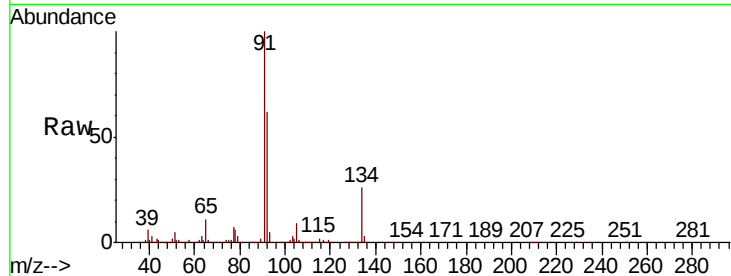




#89
n-Butylbenzene
Concen: 21.804 ug/l
RT: 12.91 min Scan# 1255
Delta R.T. -0.00 min
Lab File: VF062605.D
Acq: 15 May 2019 13:31

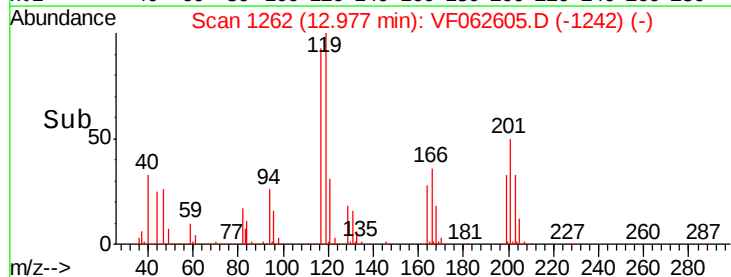
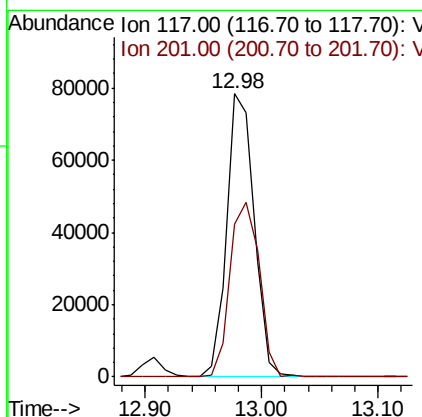
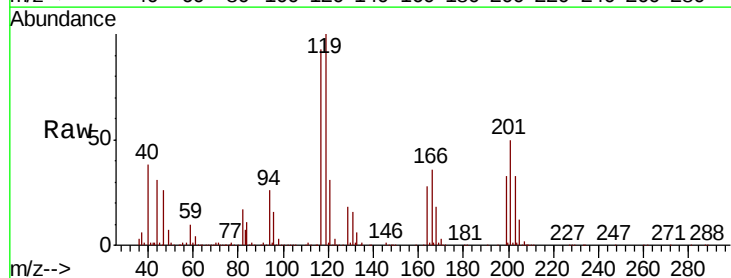
Instrument :
MSVOA_F
ClientSampleId :
VF0515SBS01

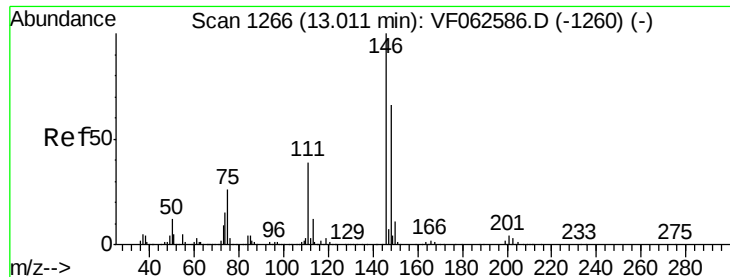
Tgt Ion	Ratio	Lower	Upper
91	100		
92	62.1	30.9	92.8
134	26.4	13.9	41.6



#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

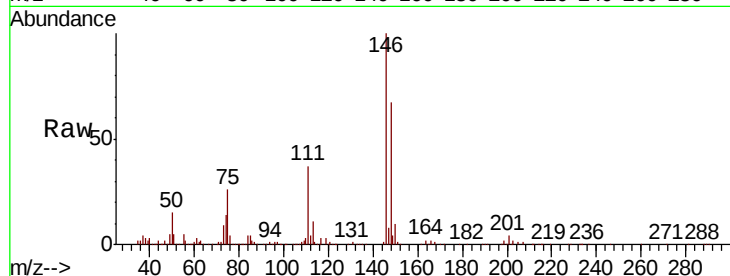
Tgt Ion:146 Resp: 237380

Ion Ratio Lower Upper

146 100

111 37.3 19.4 58.2

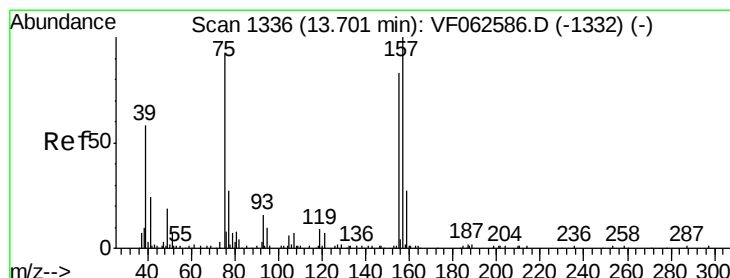
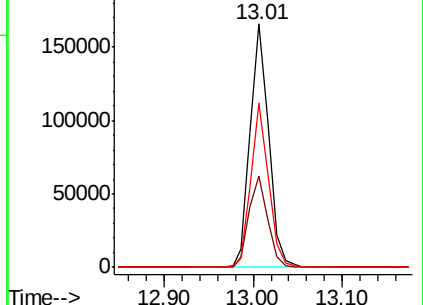
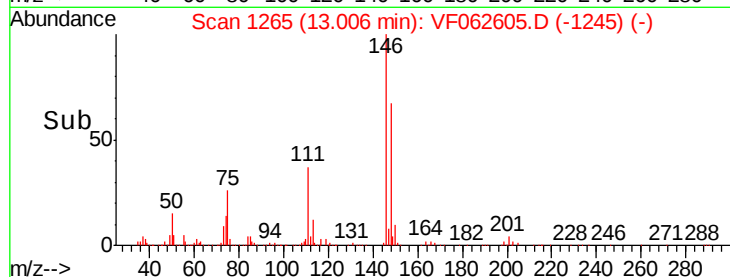
148 67.4 33.1 99.5



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

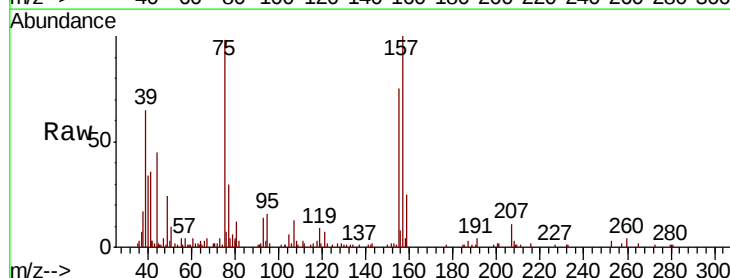
Tgt Ion: 75 Resp: 15668

Ion Ratio Lower Upper

75 100

155 76.5 44.8 134.4

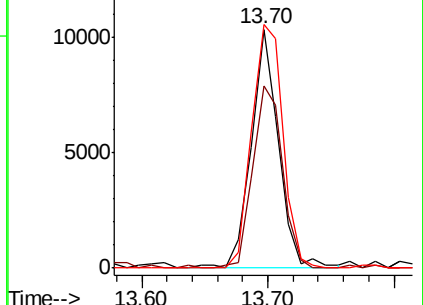
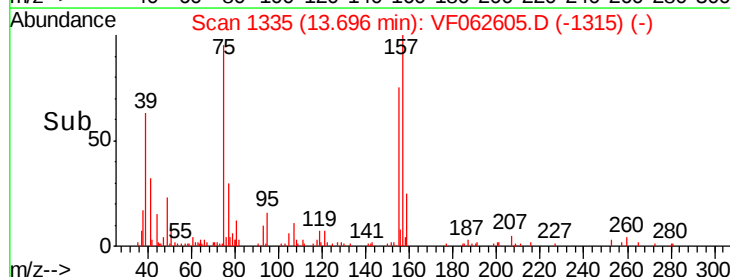
157 102.0 54.1 162.3

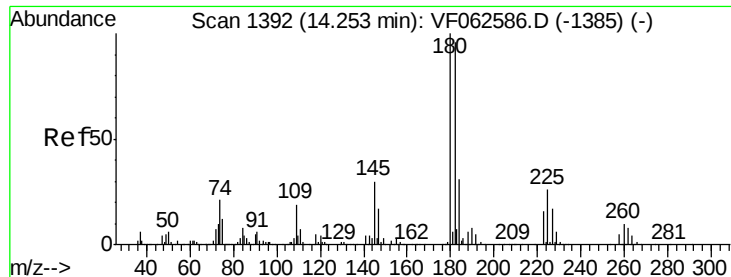


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

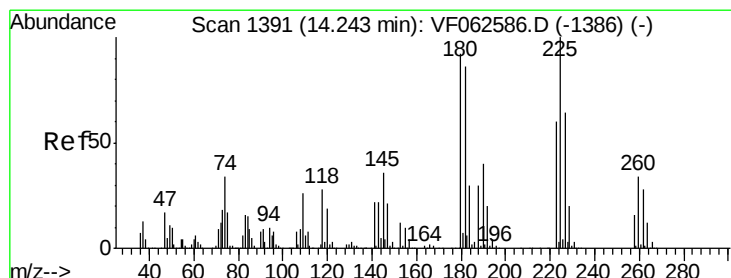
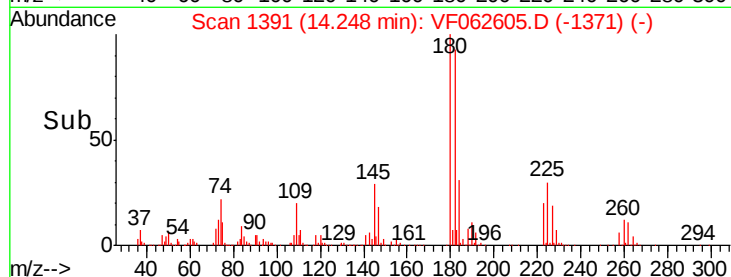
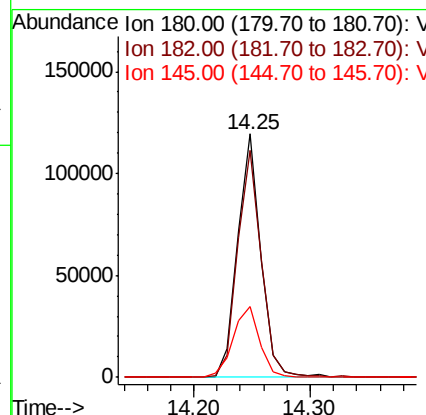
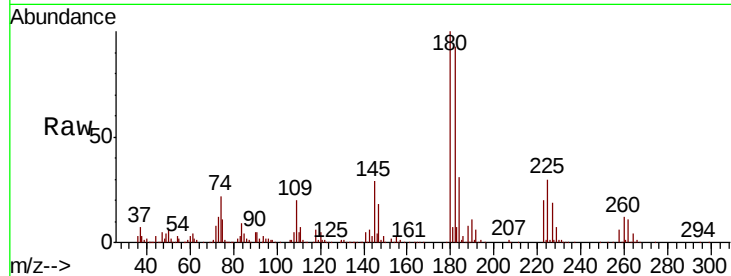




#93
 1,2,4-Trichlorobenzene
 Concen: 20.677 ug/l
 RT: 14.25 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VF062605.D
 Acq: 15 May 2019 13:31

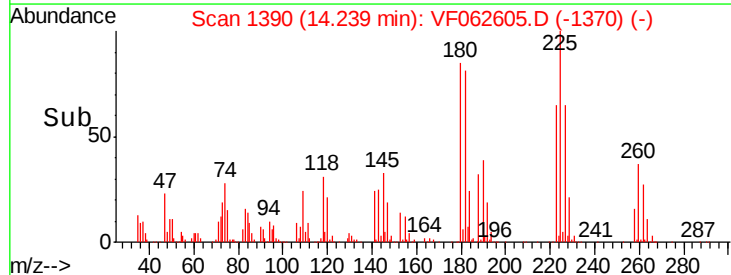
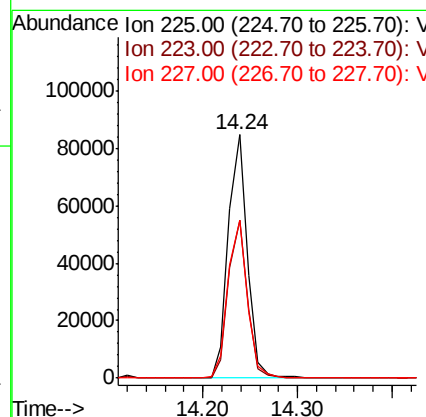
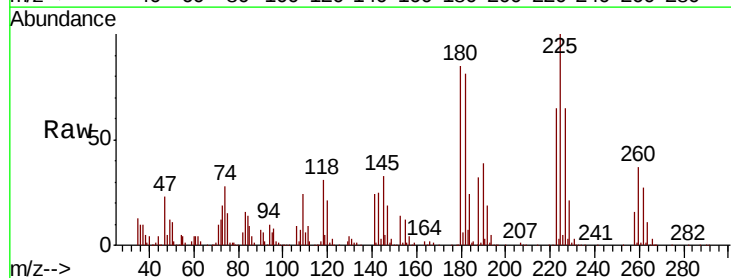
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0515SBS01

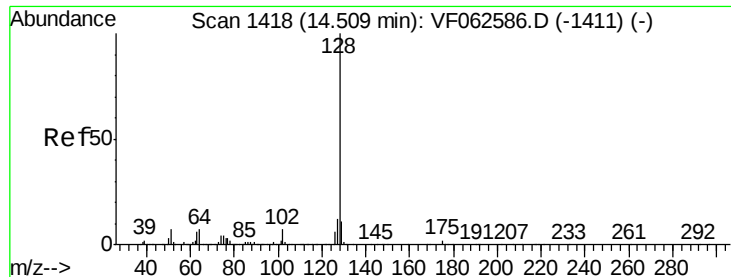
Tgt Ion:180 Resp: 165031
 Ion Ratio Lower Upper
 180 100
 182 93.1 47.9 143.8
 145 29.1 14.8 44.4



#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





#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

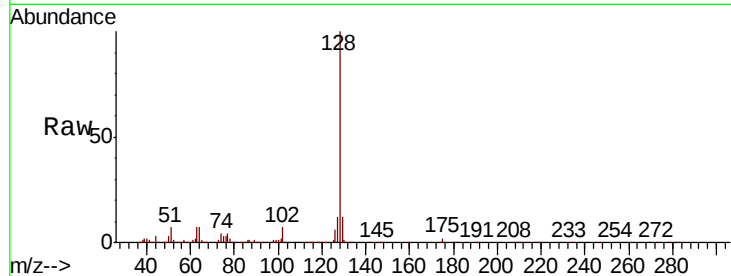
Tgt Ion:128 Resp: 255631

Ion Ratio Lower Upper

128 100

127 12.3 9.5 14.3

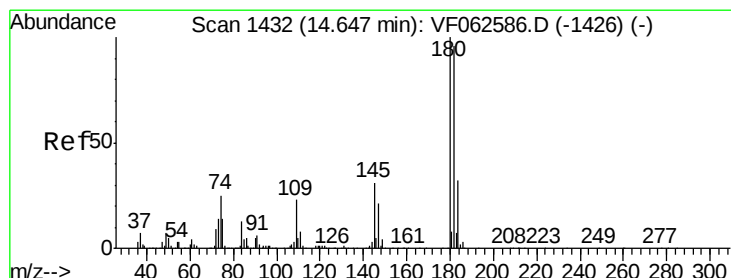
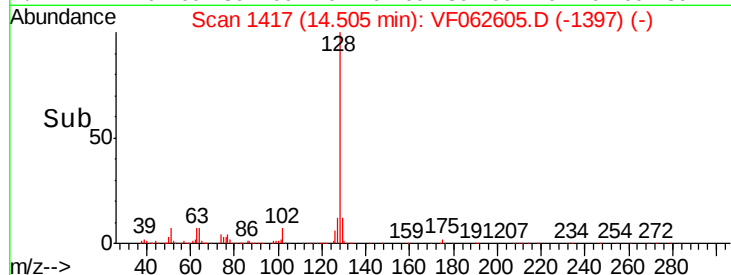
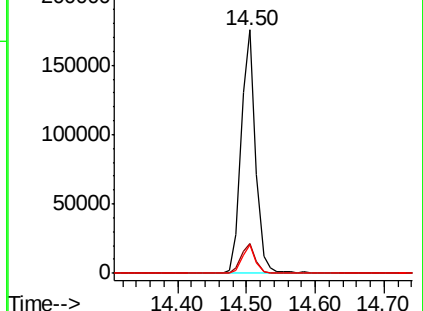
129 11.5 8.6 13.0



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

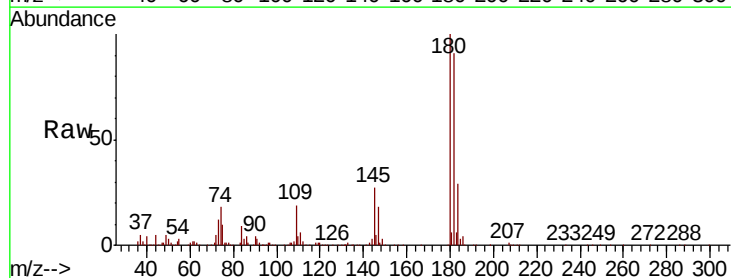
Tgt Ion:180 Resp: 152027

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

