

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF103018\
 Data File : VF060545.D
 Acq On : 30 Oct 2018 15:22
 Operator : VA/AP
 Sample : VF1030SBS01
 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1030SBS01

Quant Time: Oct 31 04:50:24 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F102918S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 30 05:31:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	211475	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.77	114	335094	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	266905	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.63	152	167569	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.02	65	194883	59.75	ug/l	-0.02
Spiked Amount			Recovery	=	119.50%	
35) Dibromofluoromethane	4.29	113	173878	54.08	ug/l	-0.02
Spiked Amount			Recovery	=	108.16%	
50) Toluene-d8	7.71	98	373766	47.60	ug/l	-0.02
Spiked Amount			Recovery	=	95.20%	
62) 4-Bromofluorobenzene	11.50	95	165980	45.87	ug/l	-0.02
Spiked Amount			Recovery	=	91.74%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.00	85	118132	31.172	ug/l	100
3) Chloromethane	1.13	50	56612	24.420	ug/l	96
4) Vinyl Chloride	1.18	62	62291	24.568	ug/l	91
5) Bromomethane	1.35	94	61041	30.634	ug/l	96
6) Chloroethane	1.43	64	36865	27.925	ug/l	96
7) Trichlorofluoromethane	1.55	101	171659	28.101	ug/l	93
8) Diethyl Ether	1.71	74	18497	24.144	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	1.89	101	75477	27.474	ug/l #	90
10) Methyl Iodide	1.97	142	77393	16.749	ug/l	90
11) Tert butyl alcohol	2.69	59	19889	155.668	ug/l #	92
12) 1,1-Dichloroethene	1.85	96	56869	23.929	ug/l	86
13) Acrolein	2.09	56	17861	149.588	ug/l	94
14) Allyl chloride	2.19	41	89500	23.684	ug/l	96
15) Acrylonitrile	3.07	53	34292	105.135	ug/l #	90
16) Acetone	2.34	43	112131	175.882	ug/l	98
17) Carbon Disulfide	1.88	76	172316	25.799	ug/l	98
18) Methyl Acetate	2.45	43	23722	25.251	ug/l #	84
19) Methyl tert-butyl Ether	2.53	73	140152	26.320	ug/l	97
20) Methylene Chloride	2.28	84	26552	11.586	ug/l #	93
21) trans-1,2-Dichloroethene	2.41	96	56759	23.351	ug/l	92
22) Diisopropyl ether	2.93	45	167446	24.394	ug/l	94
23) Vinyl Acetate	3.32	43	289905	113.859	ug/l #	95
24) 1,1-Dichloroethane	3.00	63	124638	25.164	ug/l	98
25) 2-Butanone	4.52	43	100937	117.979	ug/l #	90
26) 2,2-Dichloropropane	3.76	77	78433	25.481	ug/l	89
27) cis-1,2-Dichloroethene	3.64	96	58211	19.861	ug/l	91
28) Bromochloromethane	3.88	49	37338	20.928	ug/l	95
29) Tetrahydrofuran	4.25	42	29111	98.432	ug/l	95
30) Chloroform	4.03	83	150624	24.079	ug/l	97
31) Cyclohexane	3.86	56	71267	20.151	ug/l	96
32) 1,1,1-Trichloroethane	4.27	97	125829	24.331	ug/l	92
36) 1,1-Dichloropropene	4.46	75	95304	22.827	ug/l	90
37) Ethyl Acetate	4.29	43	29161	21.575	ug/l	91
38) Carbon Tetrachloride	4.17	117	131592	26.324	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	84890	20.134	ug/l	87
40) Benzene	4.81	78	167162	20.187	ug/l	94
41) Methacrylonitrile	4.92	41	16144	20.895	ug/l	93
42) 1,2-Dichloroethane	5.12	62	94861	24.671	ug/l	87
43) Isopropyl Acetate	7.11	43	30963	18.926	ug/l #	98
44) Trichloroethene	5.67	130	56938	21.271	ug/l	82
45) 1,2-Dichloropropane	6.40	63	37106	17.956	ug/l	99
46) Dibromomethane	6.25	93	38132	23.499	ug/l	96
47) Bromodichloromethane	6.55	83	97980	23.531	ug/l	100
48) Methyl methacrylate	6.87	41	23496	20.821	ug/l #	85
49) 1,4-Dioxane	6.87	88	3359	319.980	ug/l #	79
51) 4-Methyl-2-Pentanone	8.40	43	133545	112.688	ug/l #	87
52) Toluene	7.78	92	103654	19.282	ug/l	96
53) t-1,3-Dichloropropene	8.42	75	74399	22.874	ug/l	93
54) cis-1,3-Dichloropropene	7.45	75	81672	21.187	ug/l	90
55) 1,1,2-Trichloroethane	8.64	97	30243	18.776	ug/l	94
56) Ethyl methacrylate	8.75	69	34875	19.296	ug/l	90
57) 1,3-Dichloropropane	9.00	76	51651	18.949	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.78	63	23578	126.579	ug/l	100
59) 2-Hexanone	9.63	43	92648	101.936	ug/l	94
60) Dibromochloromethane	8.86	129	57980	22.345	ug/l	96
61) 1,2-Dibromoethane	9.14	107	35107	18.825	ug/l	90
64) Tetrachloroethene	8.30	164	51935	23.019	ug/l	93
65) Chlorobenzene	9.94	112	114582	21.338	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.07	131	60418	24.691	ug/l	94
67) Ethyl Benzene	10.04	91	238751	23.269	ug/l	98
68) m/p-Xylenes	10.26	106	147057	41.967	ug/l	95
69) o-Xylene	10.82	106	82627	20.938	ug/l	79
70) Styrene	10.90	104	118800	21.353	ug/l	99
71) Bromoform	10.88	173	30608	24.251	ug/l	94
73) Isopropylbenzene	11.23	105	279017	21.782	ug/l	99
74) N-amyl acetate	11.47	43	44606	17.389	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.78	83	41025	19.193	ug/l	96
76) 1,2,3-Trichloropropane	11.88	75	34744	21.608	ug/l	97
77) Bromobenzene	11.59	156	57175	20.287	ug/l	85
78) n-propylbenzene	11.68	91	323721	21.307	ug/l	95
79) 2-Chlorotoluene	11.81	91	190760	20.978	ug/l	99
80) 1,3,5-Trimethylbenzene	11.91	105	245409	22.173	ug/l	89
81) trans-1,4-Dichloro-2-buten	11.96	75	20523	29.222	ug/l	96
82) 4-Chlorotoluene	11.99	91	188162	19.957	ug/l	99
83) tert-Butylbenzene	12.21	119	240545	22.427	ug/l	98
84) 1,2,4-Trimethylbenzene	12.28	105	233899	20.805	ug/l	92
85) sec-Butylbenzene	12.38	105	322786	21.474	ug/l	95
86) p-Isopropyltoluene	12.54	119	266272	21.583	ug/l	97
87) 1,3-Dichlorobenzene	12.56	146	113729	20.216	ug/l	95
88) 1,4-Dichlorobenzene	12.65	146	115999	21.848	ug/l	93
89) n-Butylbenzene	12.91	91	290113	21.622	ug/l	90
90) Hexachloroethane	12.99	117	67400	21.167	ug/l	89
91) 1,2-Dichlorobenzene	13.02	146	106521	20.098	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.71	75	10947	24.701	ug/l	86

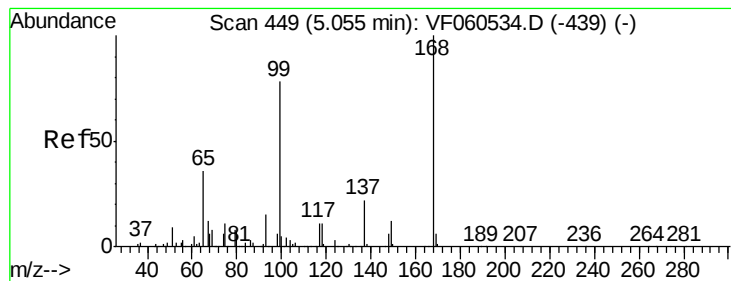
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	88866	22.385	ug/l	98
94) Hexachlorobutadiene	14.25	225	65683	23.368	ug/l	93
95) Naphthalene	14.52	128	141142	20.098	ug/l	97
96) 1,2,3-Trichlorobenzene	14.67	180	86914	23.001	ug/l	92

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.04 min Scan# 447

Delta R.T. -0.02 min

Lab File: VF060545.D

Acq: 30 Oct 2018 15:22

Instrument :

MSVOA_F

ClientSampleId :

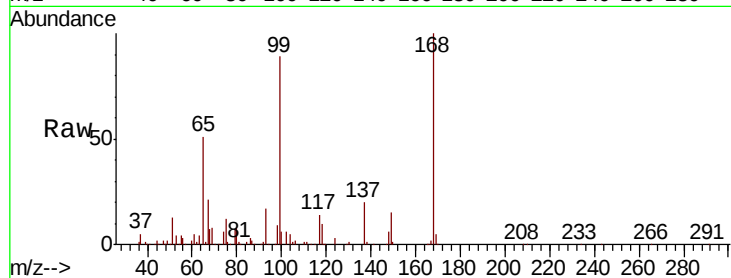
VF1030SBS01

Tot Ion:168 Resp: 211475

Ion Ratio Lower Upper

168 100

99 88.8 62.6 93.8



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.04

80000

60000

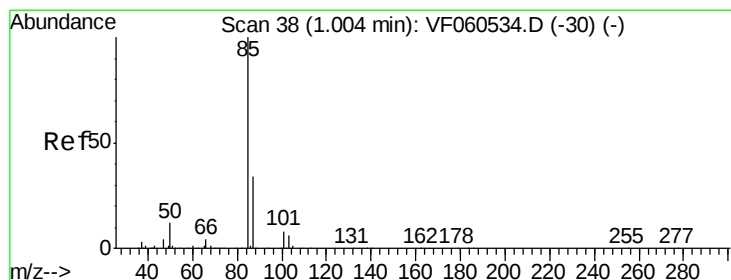
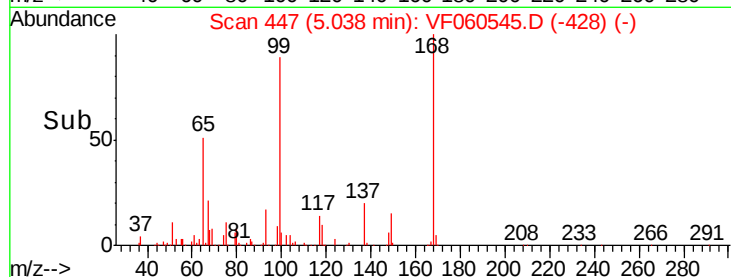
40000

20000

0

4.90 5.00 5.10 5.20

Time-->



#2

Dichlorodifluoromethane

Concen: 31.172 ug/l

RT: 1.00 min Scan# 37

Delta R.T. -0.01 min

Lab File: VF060545.D

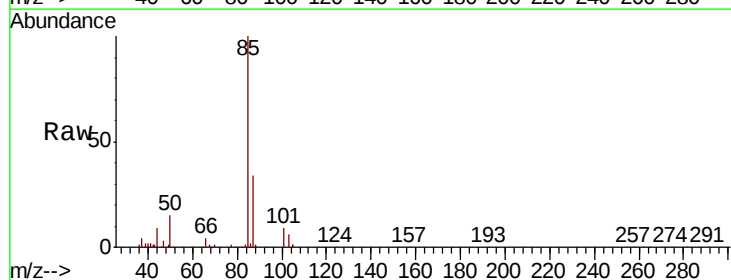
Acq: 30 Oct 2018 15:22

Tgt Ion: 85 Resp: 118132

Ion Ratio Lower Upper

85 100

87 33.8 16.9 50.7



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

1.00

40000

30000

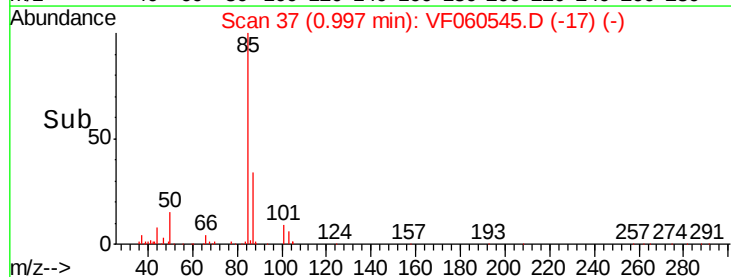
20000

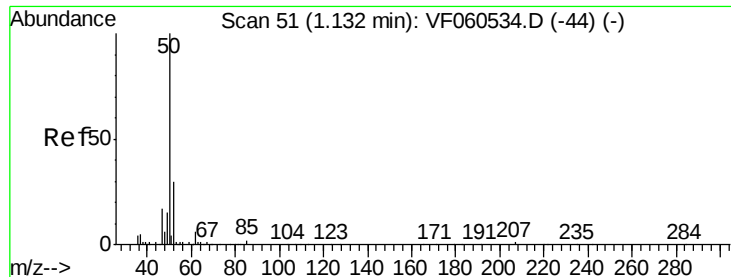
10000

0

0.90 1.00 1.10 1.20

Time-->





#3

Chloromethane

Concen: 24.420 ug/l

RT: 1.13 min Scan# 51

Delta R.T. 0.00 min

Lab File: VF060545.D

Acq: 30 Oct 2018 15:22

Instrument :

MSVOA_F

ClientSampleId :

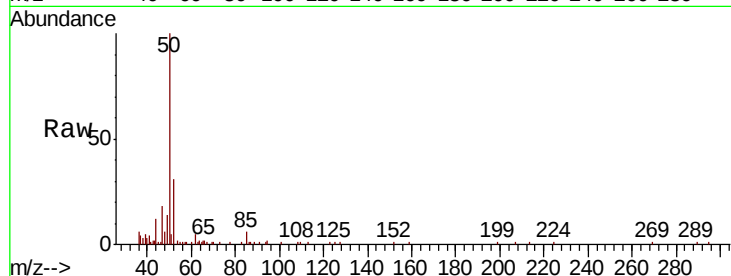
VF1030SBS01

Tot Ion: 50 Resp: 56612

Ion Ratio Lower Upper

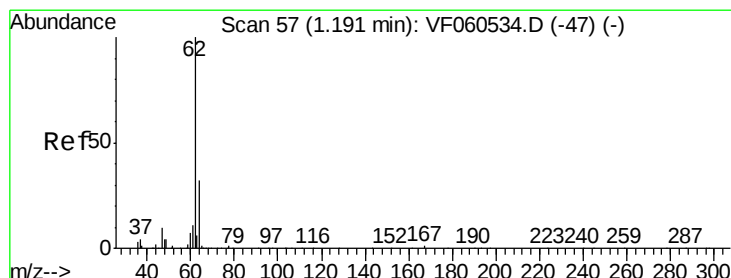
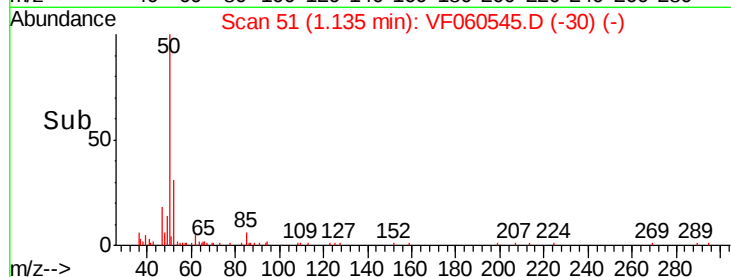
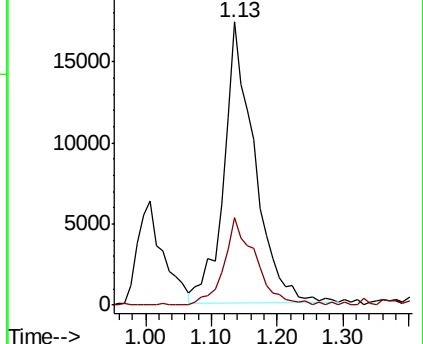
50 100

52 30.7 22.8 34.2



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 24.568 ug/l

RT: 1.18 min Scan# 56

Delta R.T. -0.01 min

Lab File: VF060545.D

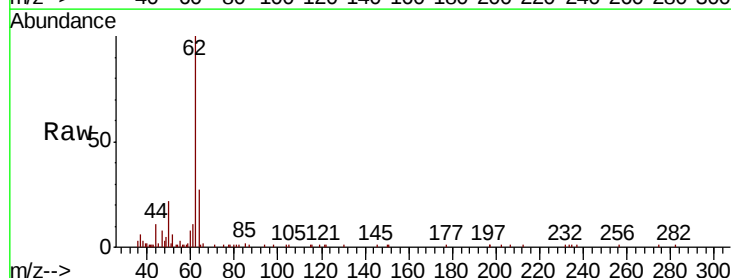
Acq: 30 Oct 2018 15:22

Tgt Ion: 62 Resp: 62291

Ion Ratio Lower Upper

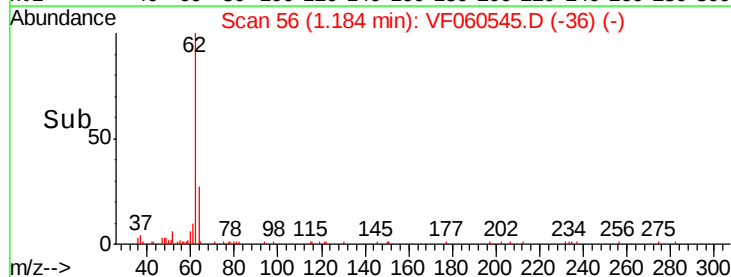
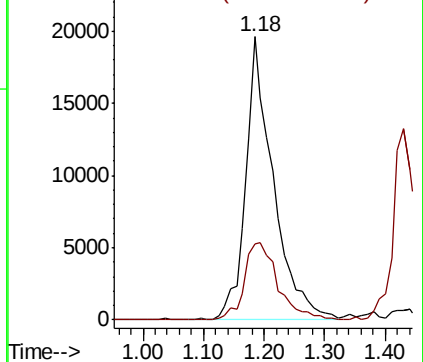
62 100

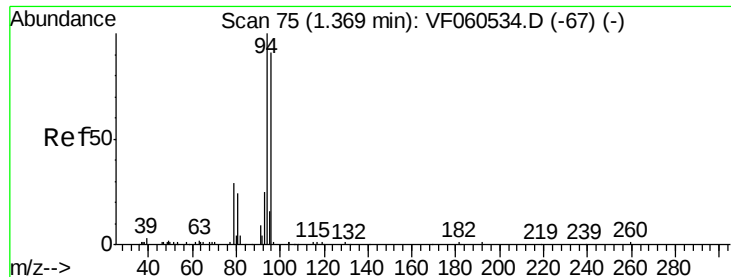
64 26.7 25.3 37.9



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 30.634 ug/l

RT: 1.35 min Scan# 73

Delta R.T. -0.02 min

Lab File: VF060545.D

Acq: 30 Oct 2018 15:22

Instrument :

MSVOA_F

ClientSampleId :

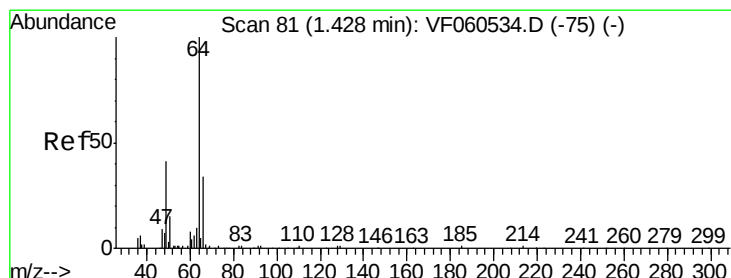
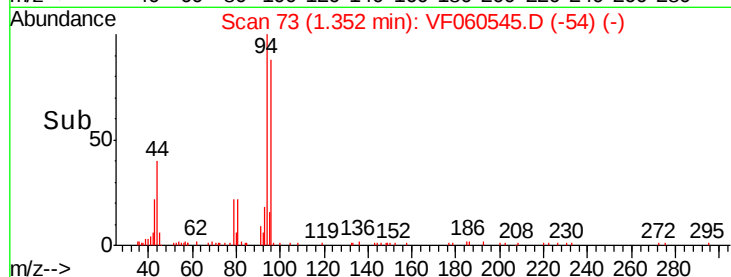
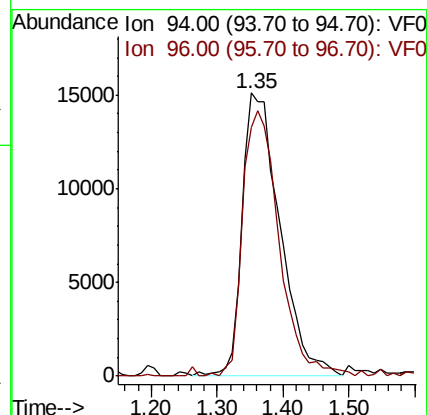
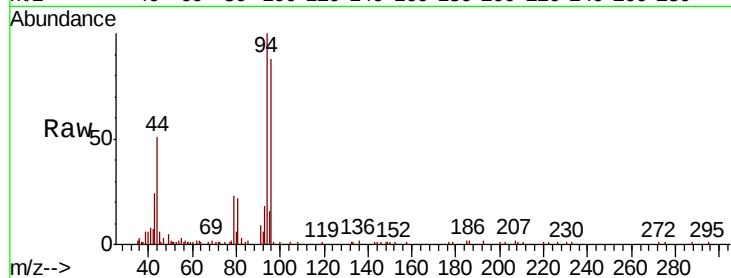
VF1030SBS01

Tot Ion: 94 Resp: 61041

Ion Ratio Lower Upper

94 100

96 88.0 73.2 109.8



#6

Chloroethane

Concen: 27.925 ug/l

RT: 1.43 min Scan# 81

Delta R.T. 0.00 min

Lab File: VF060545.D

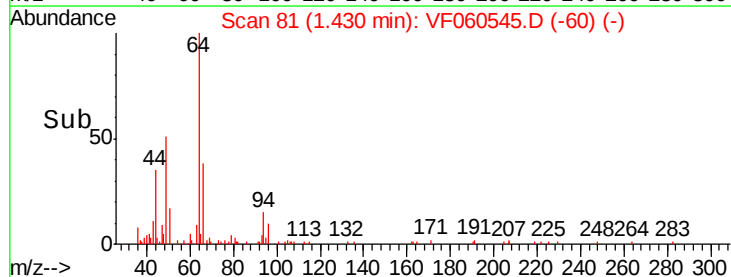
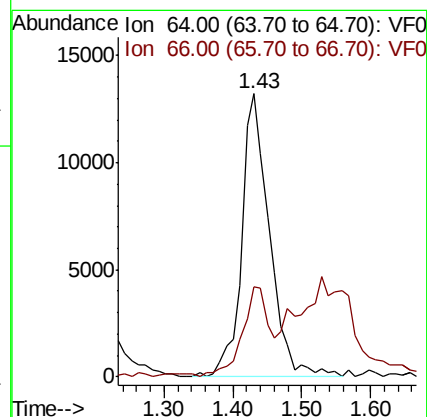
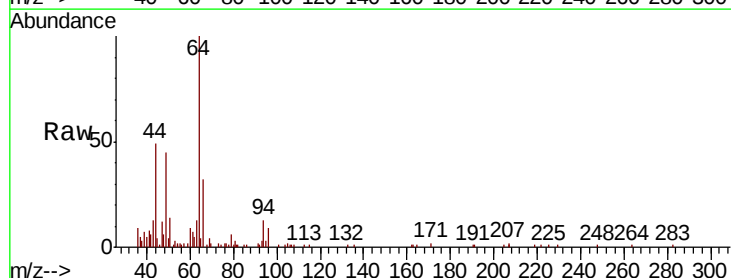
Acq: 30 Oct 2018 15:22

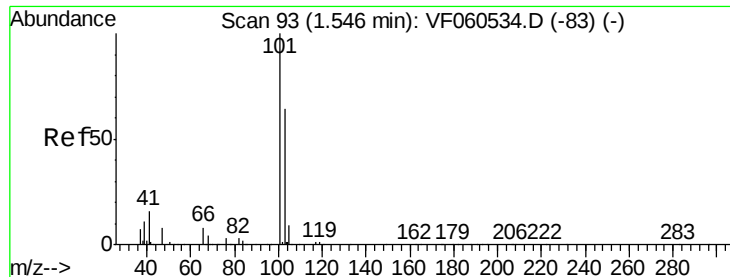
Tgt Ion: 64 Resp: 36865

Ion Ratio Lower Upper

64 100

66 31.9 27.1 40.7





#7

Trichlorofluoromethane

Concen: 28.101 ug/l

RT: 1.55 min Scan# 93

Delta R.T. 0.00 min

Lab File: VF060545.D

Acq: 30 Oct 2018 15:22

Instrument :

MSVOA_F

ClientSampleId :

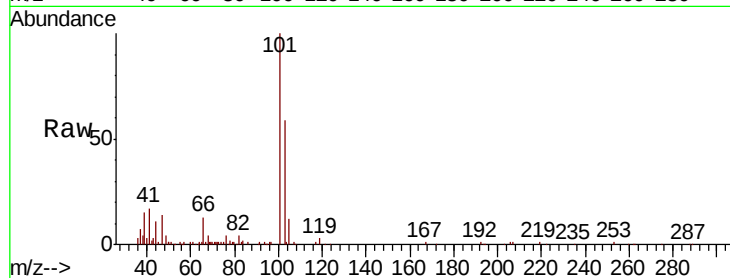
VF1030SBS01

Tot Ion:101 Resp: 171659

Ion Ratio Lower Upper

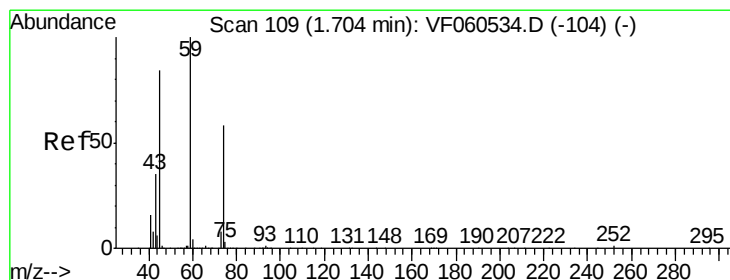
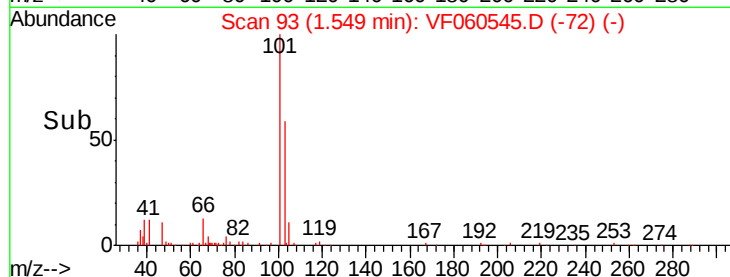
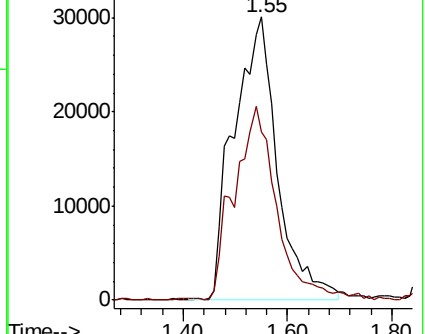
101 100

103 59.2 51.6 77.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 24.144 ug/l

RT: 1.71 min Scan# 109

Delta R.T. 0.00 min

Lab File: VF060545.D

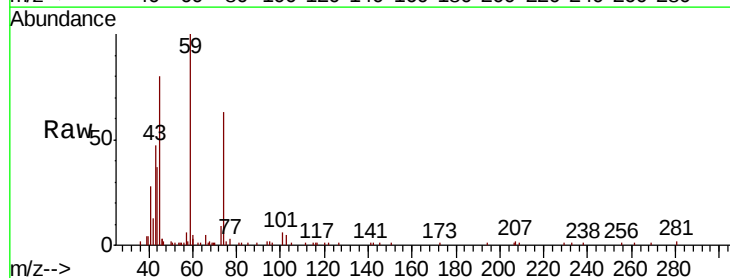
Acq: 30 Oct 2018 15:22

Tgt Ion: 74 Resp: 18497

Ion Ratio Lower Upper

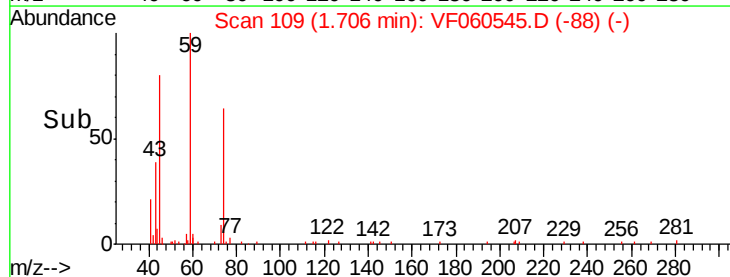
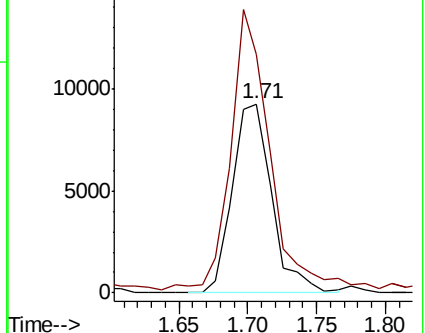
74 100

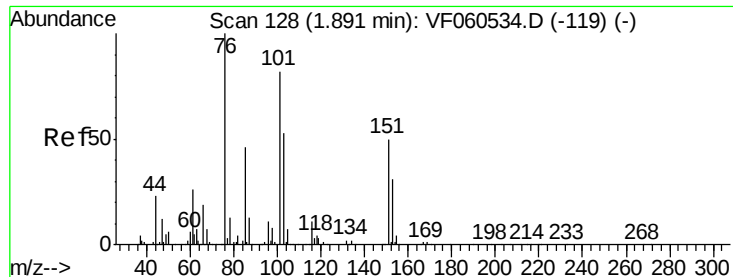
45 126.1 72.9 218.6



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 27.474 ug/l

RT: 1.89 min Scan# 128

Delta R.T. 0.00 min

Lab File: VF060545.D

Acq: 30 Oct 2018 15:22

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ClientSampleId :

VF1030SBS01

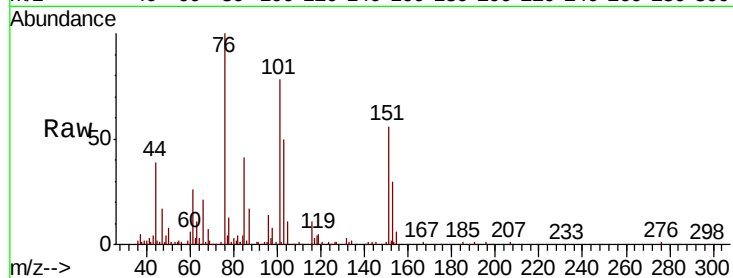
Tot Ion:101 Resp: 75477

Ion Ratio Lower Upper

101 100

85 53.1 44.6 67.0

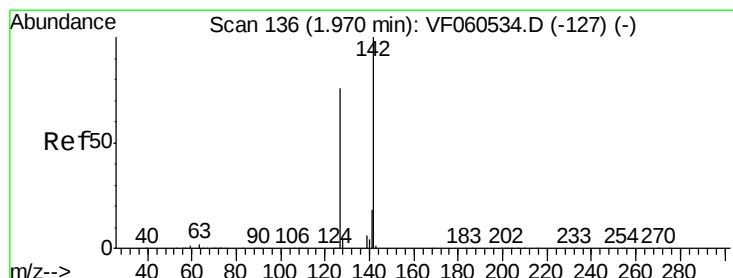
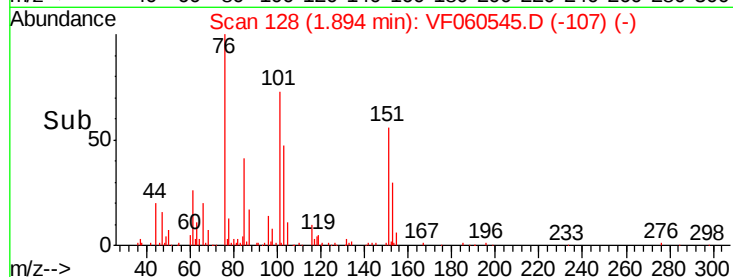
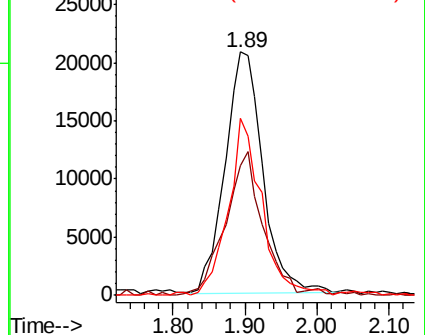
151 72.6 48.4 72.6#



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: 16.749 ug/l

RT: 1.97 min Scan# 136

Delta R.T. 0.00 min

Lab File: VF060545.D

Acq: 30 Oct 2018 15:22

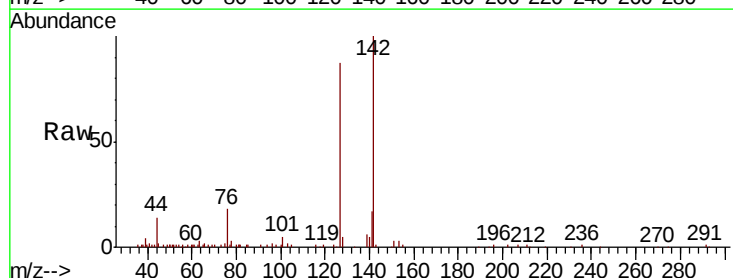
Tgt Ion:142 Resp: 77393

Ion Ratio Lower Upper

142 100

127 86.5 61.2 91.8

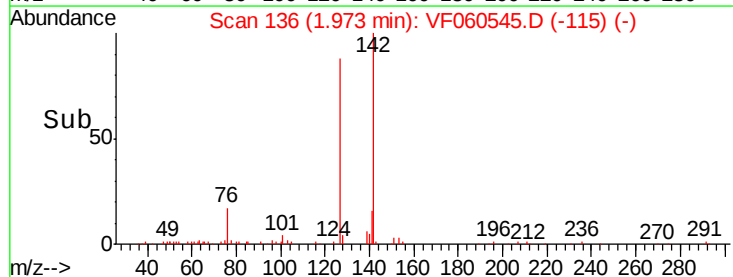
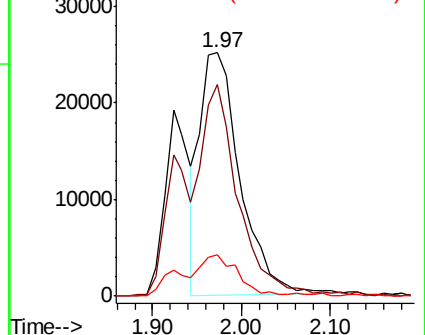
141 16.6 14.0 21.0

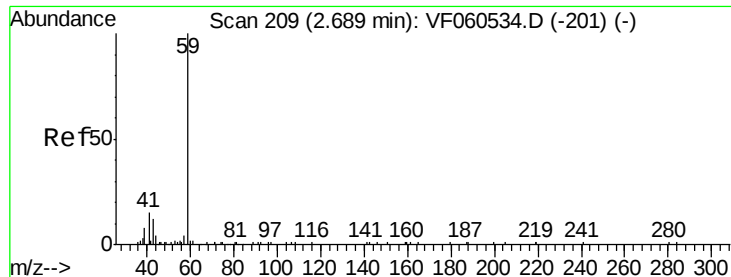


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



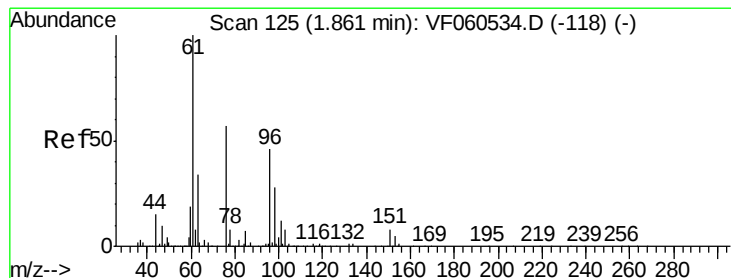
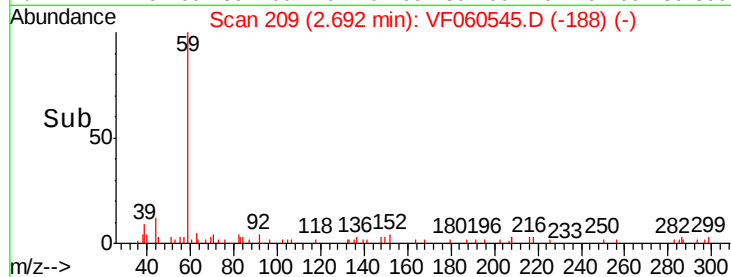
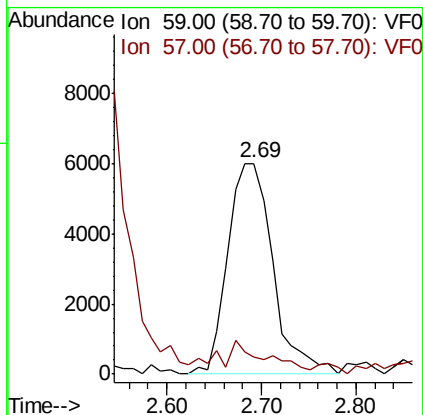
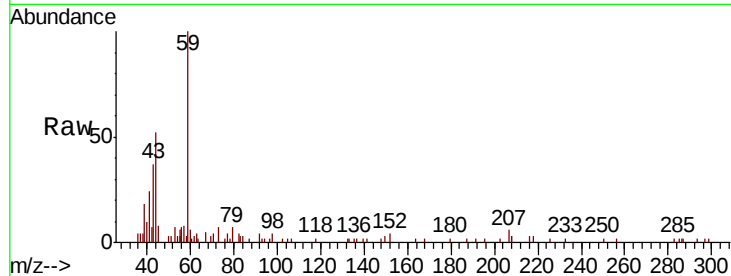


#11

Tert butyl alcohol
Concen: 155.668 ug/l
RT: 2.69 min Scan# 209
Delta R.T. 0.00 min
Lab File: VF060545.D
Acq: 30 Oct 2018 15:22

Instrument :
MSVOA_F
ClientSampleId :
VF1030SBS01

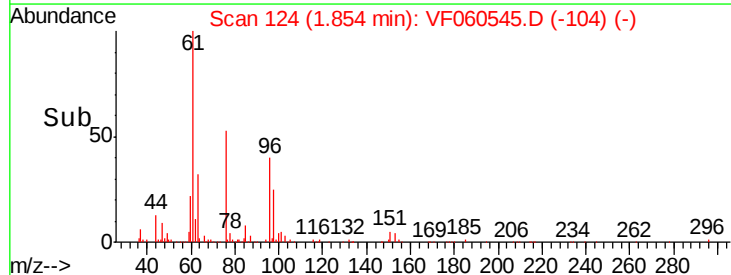
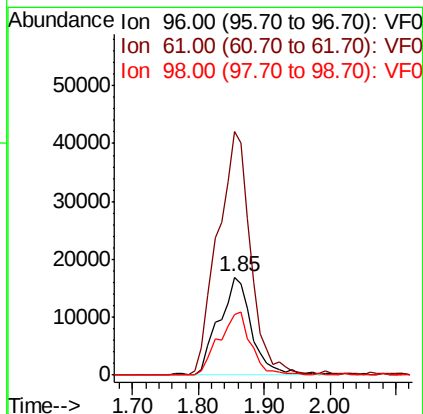
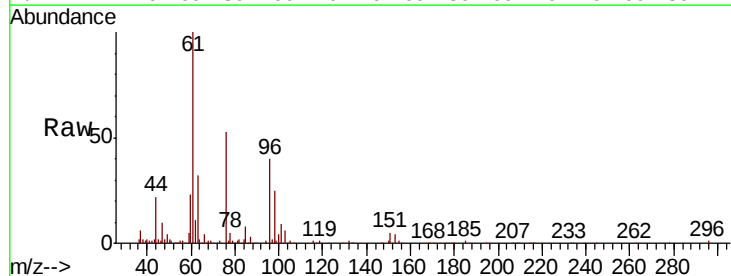
Tot Ion: 59 Resp: 19889
Ion Ratio Lower Upper
59 100
57 7.9 8.9 13.3#

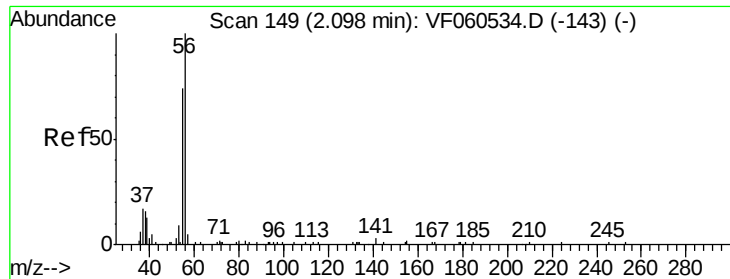


#12

1,1-Dichloroethene
Concen: 23.929 ug/l
RT: 1.85 min Scan# 124
Delta R.T. -0.01 min
Lab File: VF060545.D
Acq: 30 Oct 2018 15:22

Tgt Ion: 96 Resp: 56869
Ion Ratio Lower Upper
96 100
61 248.3 175.4 263.2
98 61.9 48.9 73.3

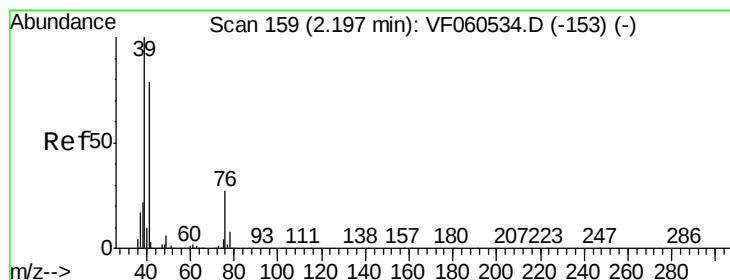
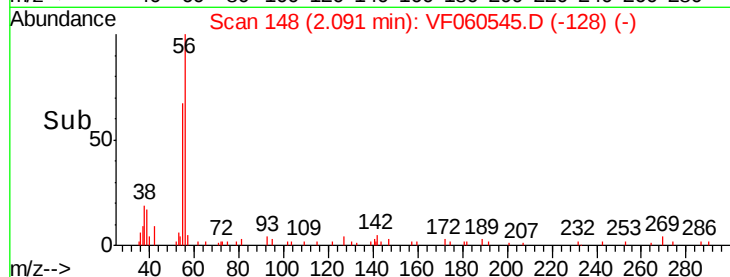
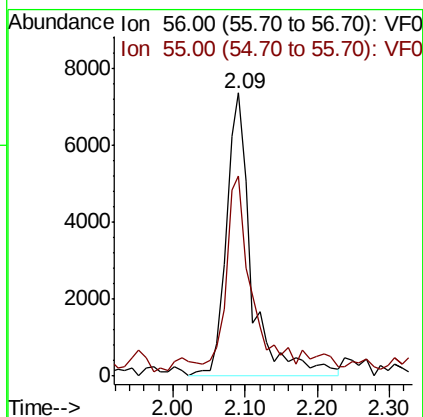
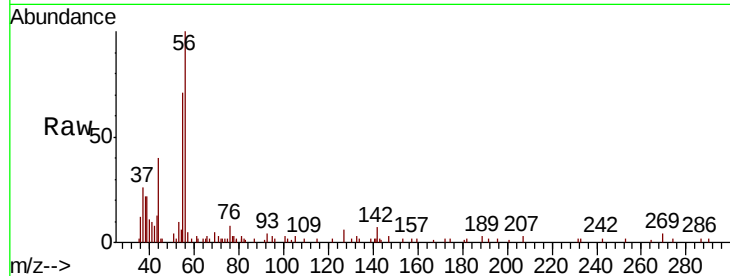




#13
Acrolein
Concen: 149.588 ug/l
RT: 2.09 min Scan# 148
Delta R.T. -0.01 min
Lab File: VF060545.D
Acq: 30 Oct 2018 15:22

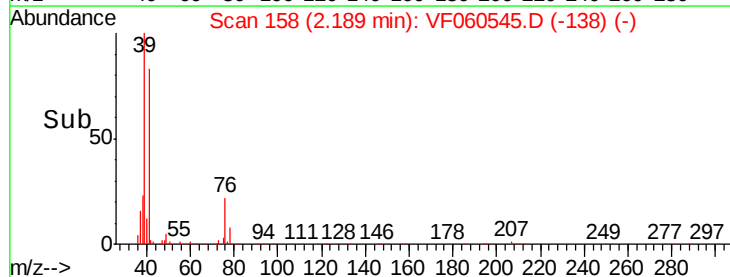
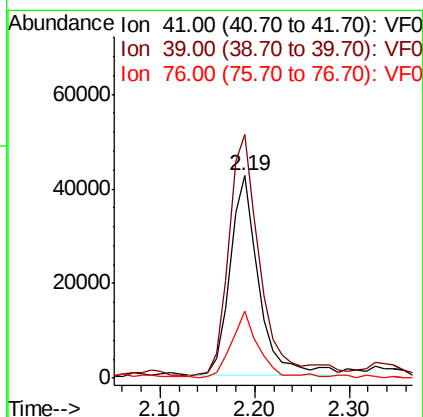
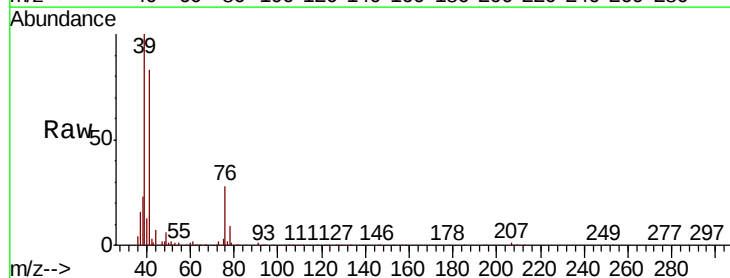
Instrument :
MSVOA_F
ClientSampleId :
VF1030SBS01

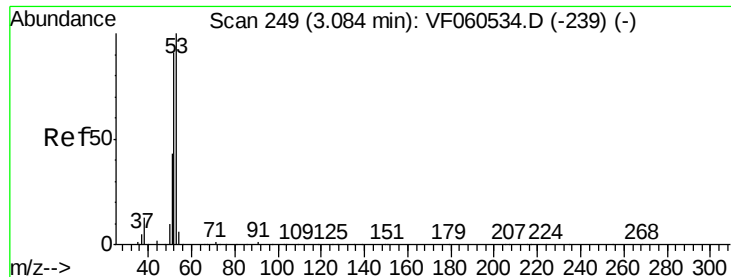
Tot Ion: 56 Resp: 17861
Ion Ratio Lower Upper
56 100
55 70.8 60.4 90.6



#14
Allyl chloride
Concen: 23.684 ug/l
RT: 2.19 min Scan# 158
Delta R.T. -0.01 min
Lab File: VF060545.D
Acq: 30 Oct 2018 15:22

Tgt Ion: 41 Resp: 89500
Ion Ratio Lower Upper
41 100
39 120.5 100.6 151.0
76 33.2 27.6 41.4





#15

Acrylonitrile

Concen: 105.135 ug/l

RT: 3.07 min Scan# 247

Delta R.T. -0.02 min

Lab File: VF060545.D

Acq: 30 Oct 2018 15:22

Instrument :

MSVOA_F

ClientSampleId :

VF1030SBS01

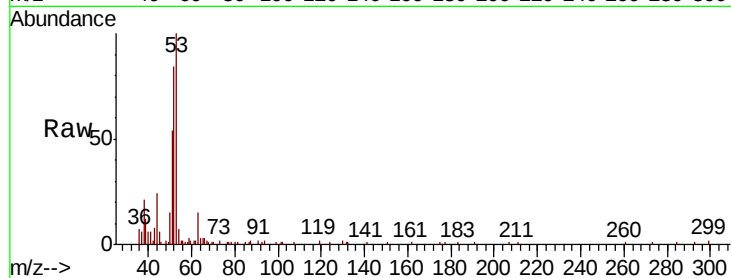
Tot Ion: 53 Resp: 34292

Ion Ratio Lower Upper

53 100

52 84.3 73.2 109.8

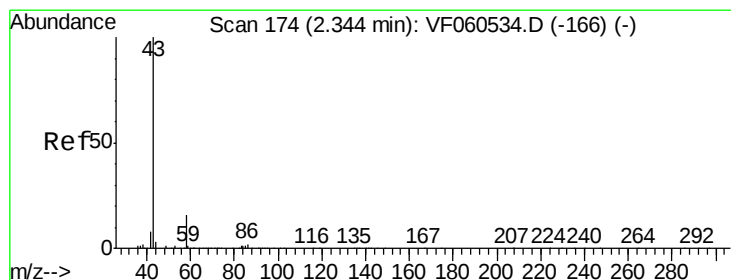
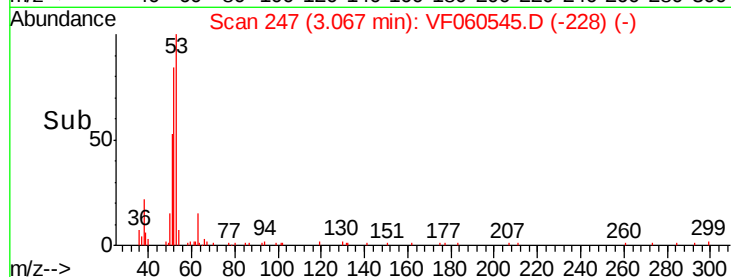
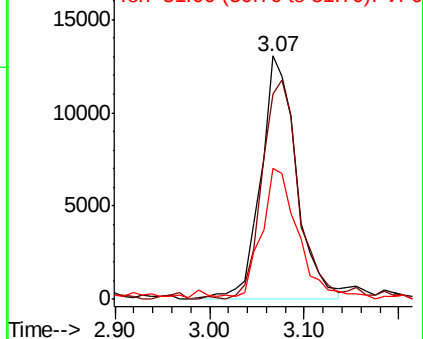
51 53.7 35.0 52.4#



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: 175.882 ug/l

RT: 2.34 min Scan# 173

Delta R.T. -0.01 min

Lab File: VF060545.D

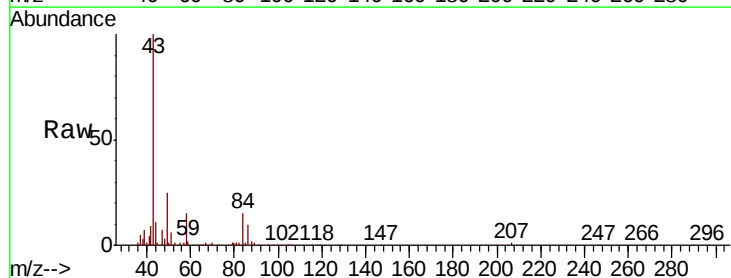
Acq: 30 Oct 2018 15:22

Tgt Ion: 43 Resp: 112131

Ion Ratio Lower Upper

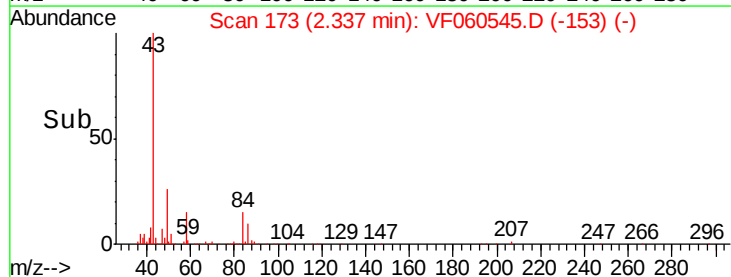
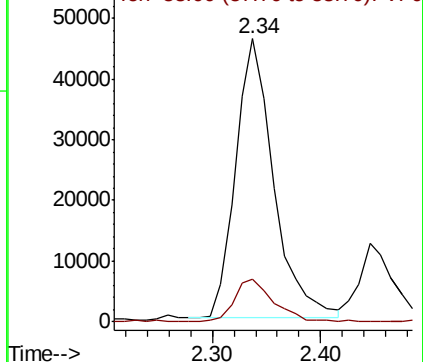
43 100

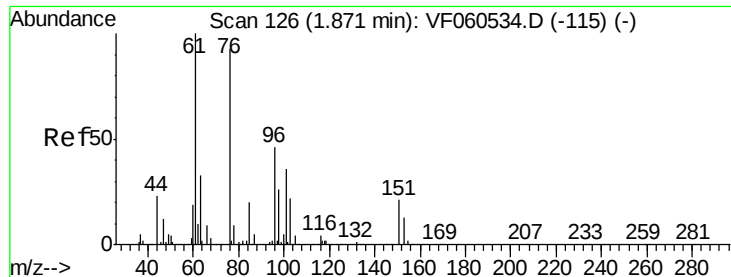
58 15.1 12.8 19.2



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

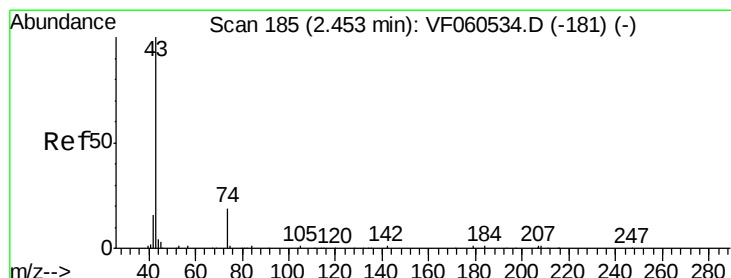
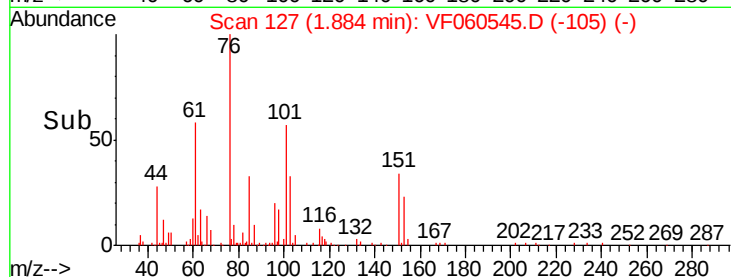
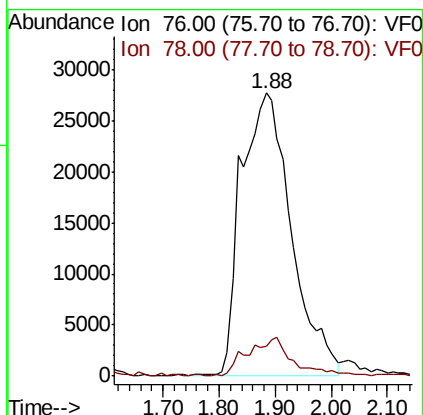
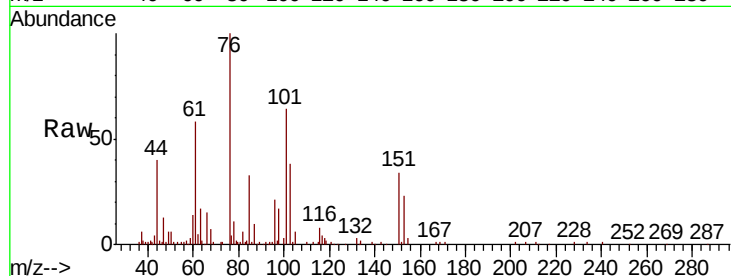




#17
Carbon Disulfide
Concen: 25.799 ug/l
RT: 1.88 min Scan# 127
Delta R.T. 0.01 min
Lab File: VF060545.D
Acq: 30 Oct 2018 15:22

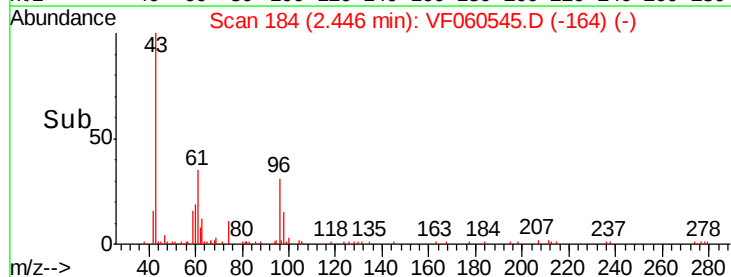
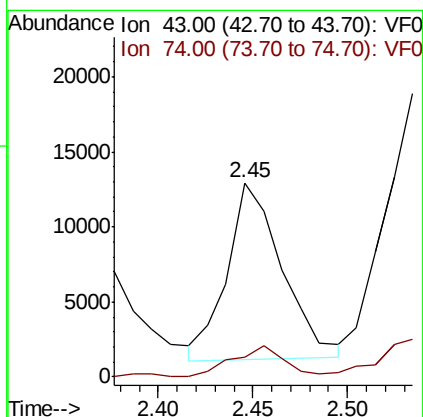
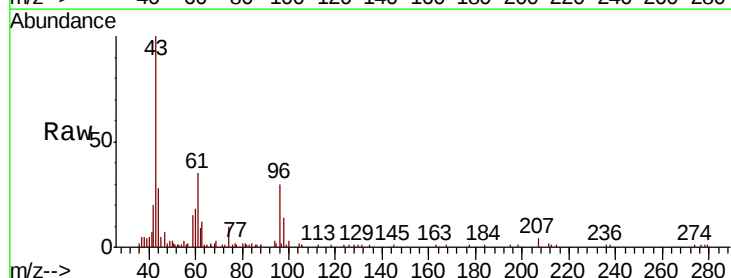
Instrument :
MSVOA_F
ClientSampleId :
VF1030SBS01

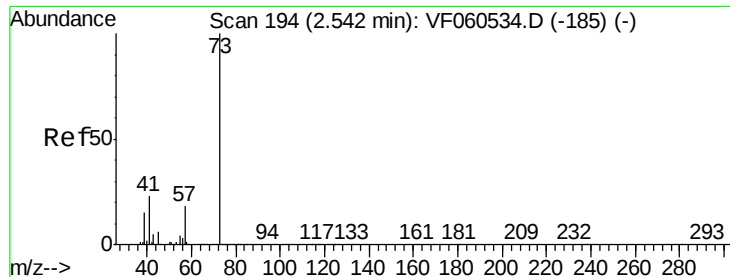
Tot Ion: 76 Resp: 172316
Ion Ratio Lower Upper
76 100
78 10.7 8.0 12.0



#18
Methyl Acetate
Concen: 25.251 ug/l
RT: 2.45 min Scan# 184
Delta R.T. -0.01 min
Lab File: VF060545.D
Acq: 30 Oct 2018 15:22

Tgt Ion: 43 Resp: 23722
Ion Ratio Lower Upper
43 100
74 10.2 13.5 20.3#



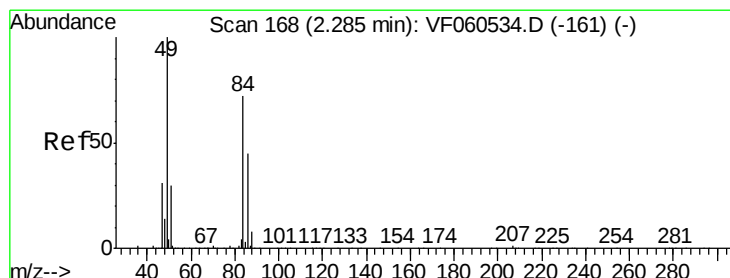
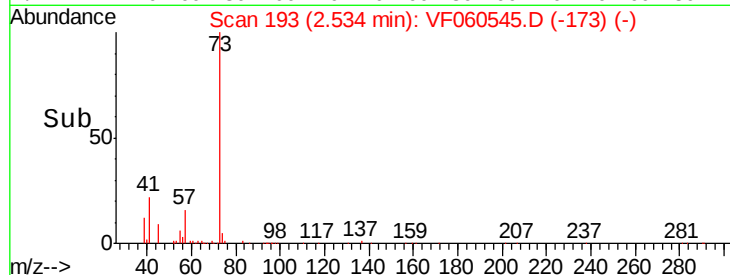
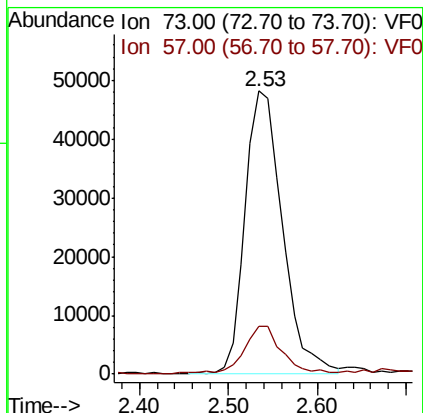
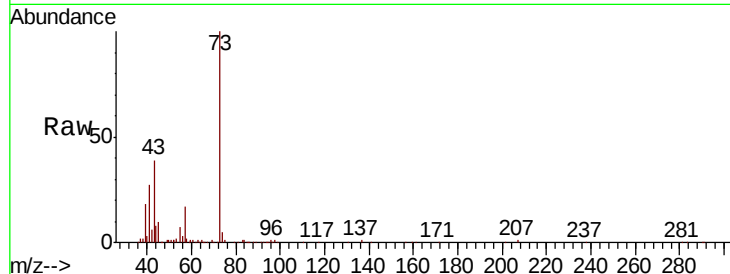


#19

Methyl tert-butyl Ether
 Concen: 26.320 ug/l
 RT: 2.53 min Scan# 193
 Delta R.T. -0.01 min
 Lab File: VF060545.D
 Acq: 30 Oct 2018 15:22

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1030SBS01

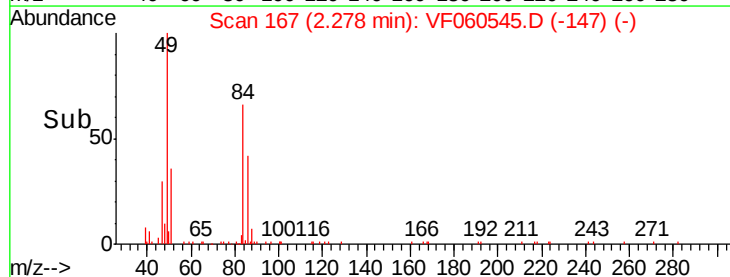
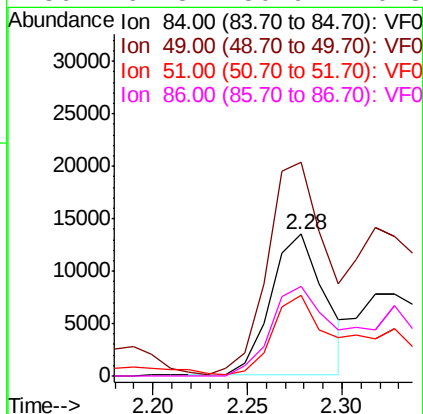
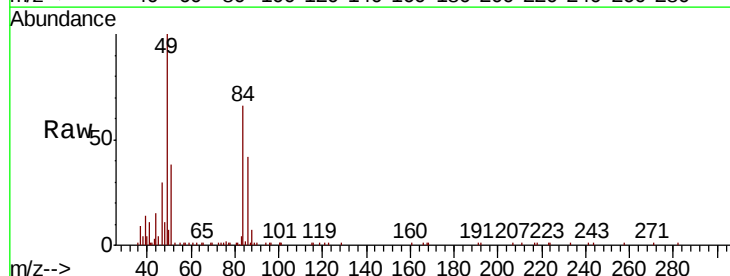
Tot Ion: 73 Resp: 140152
 Ion Ratio Lower Upper
 73 100
 57 16.9 14.7 22.1

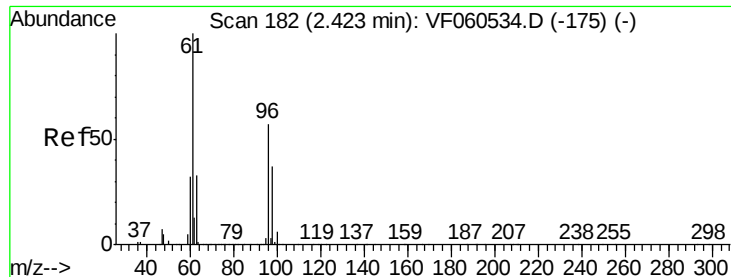


#20

Methylene Chloride
 Concen: 11.586 ug/l
 RT: 2.28 min Scan# 167
 Delta R.T. -0.01 min
 Lab File: VF060545.D
 Acq: 30 Oct 2018 15:22

Tgt Ion: 84 Resp: 26552
 Ion Ratio Lower Upper
 84 100
 49 150.6 115.4 173.0
 51 57.2 35.4 53.2#
 86 62.8 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 23.351 ug/l

RT: 2.41 min Scan# 180

Delta R.T. -0.02 min

Lab File: VF060545.D

Acq: 30 Oct 2018 15:22

Instrument :

MSVOA_F

ClientSampleId :

VF1030SBS01

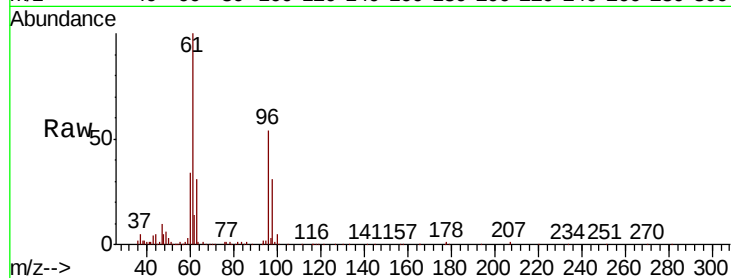
Tot Ion: 96 Resp: 56759

Ion Ratio Lower Upper

96 100

61 186.2 139.8 209.6

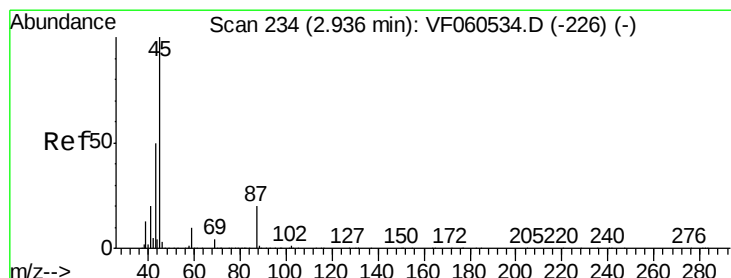
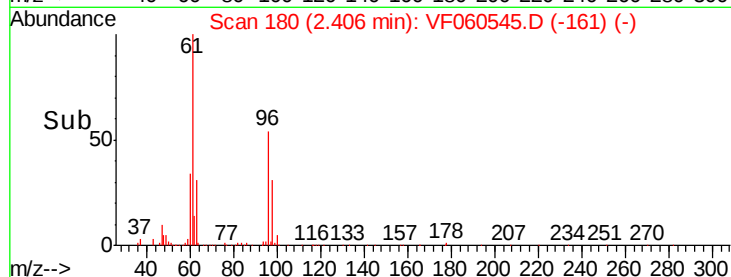
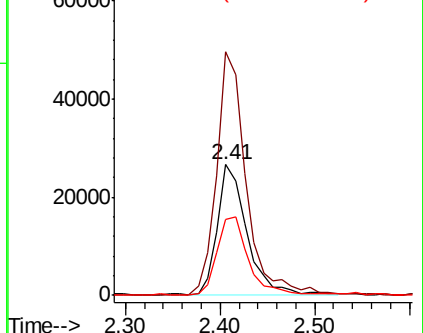
98 58.2 52.2 78.4



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: 24.394 ug/l

RT: 2.93 min Scan# 233

Delta R.T. -0.01 min

Lab File: VF060545.D

Acq: 30 Oct 2018 15:22

Tgt Ion: 45 Resp: 167446

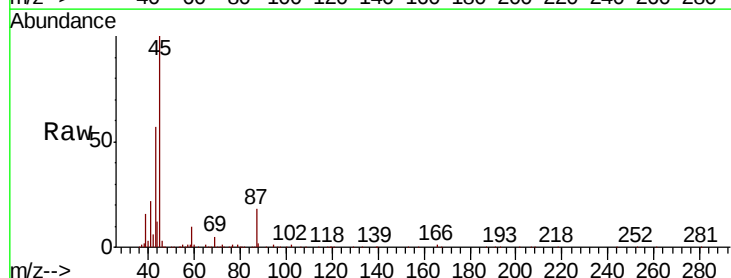
Ion Ratio Lower Upper

45 100

43 56.5 40.6 60.8

87 18.3 15.9 23.9

59 10.2 8.0 12.0

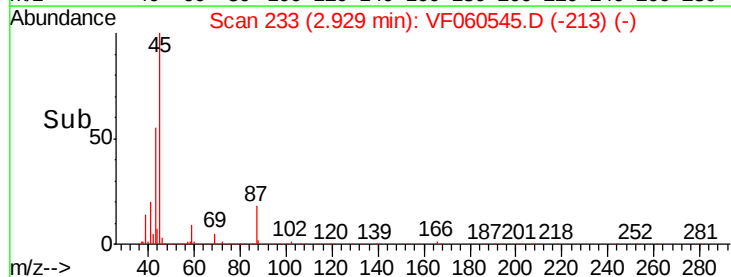
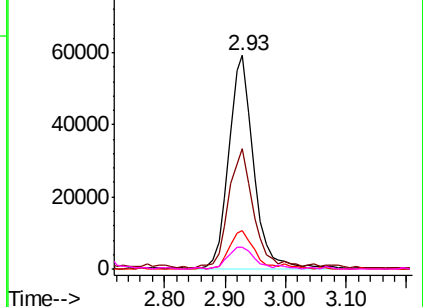


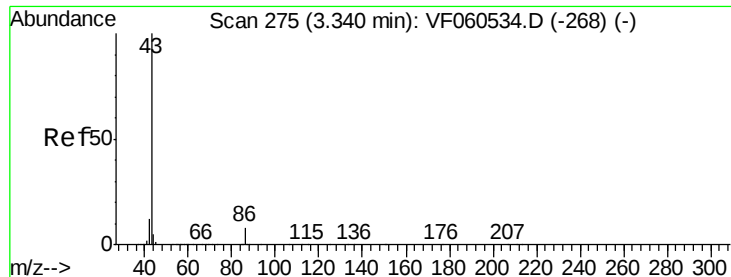
Abundance Ion 45.00 (44.70 to 45.70): VF0

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: 113.859 ug/l

RT: 3.32 min Scan# 273

Delta R.T. -0.02 min

Lab File: VF060545.D

Acq: 30 Oct 2018 15:22

Instrument :

MSVOA_F

ClientSampleId :

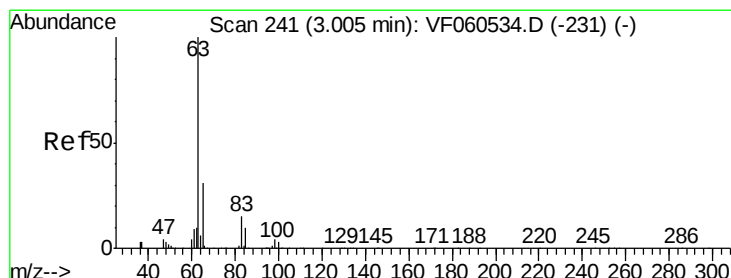
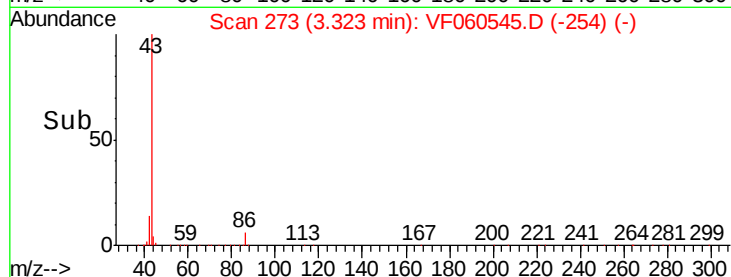
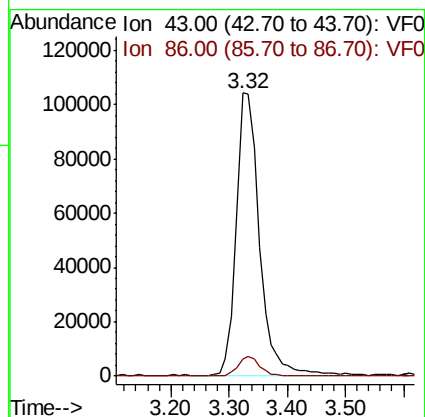
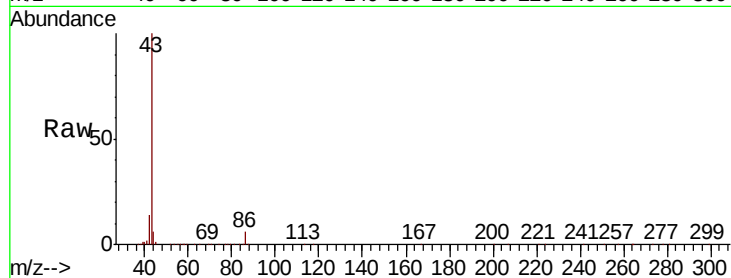
VF1030SBS01

Tot Ion: 43 Resp: 289905

Ion Ratio Lower Upper

43 100

86 6.0 6.2 9.2#



#24

1,1-Dichloroethane

Concen: 25.164 ug/l

RT: 3.00 min Scan# 240

Delta R.T. -0.01 min

Lab File: VF060545.D

Acq: 30 Oct 2018 15:22

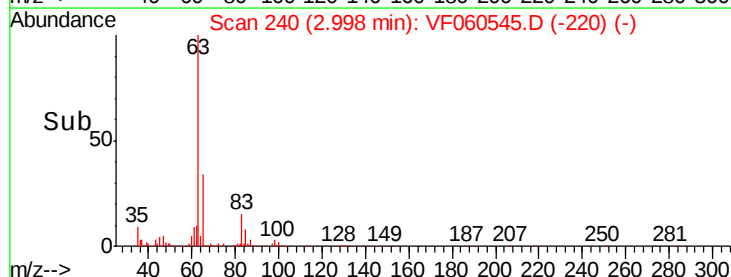
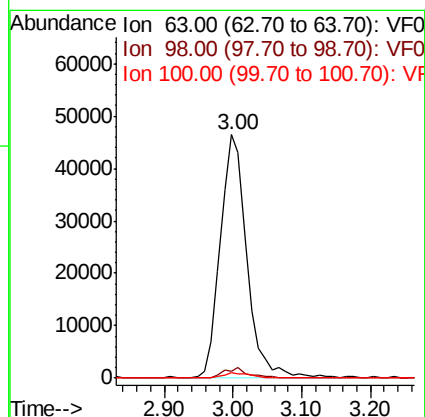
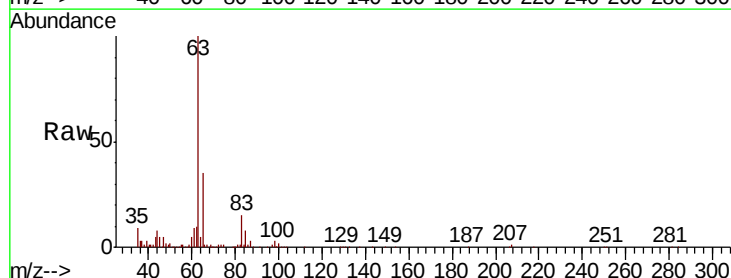
Tgt Ion: 63 Resp: 124638

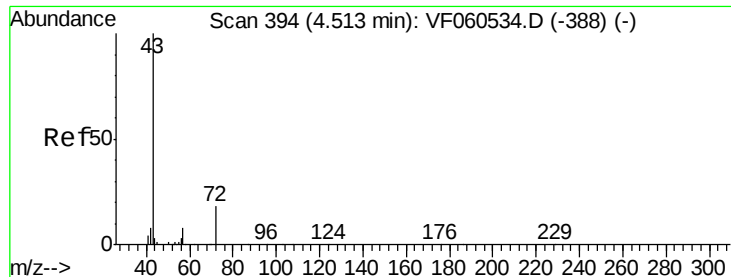
Ion Ratio Lower Upper

63 100

98 3.1 2.0 6.0

100 2.3 1.4 4.0





#25

2-Butanone

Concen: 117.979 ug/l

RT: 4.52 min Scan# 394

Delta R.T. 0.00 min

Lab File: VF060545.D

Acq: 30 Oct 2018 15:22

Instrument :

MSVOA_F

ClientSampleId :

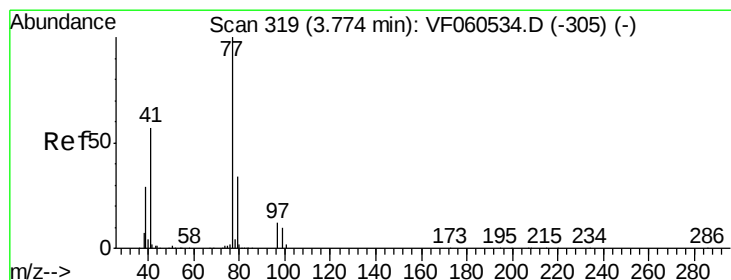
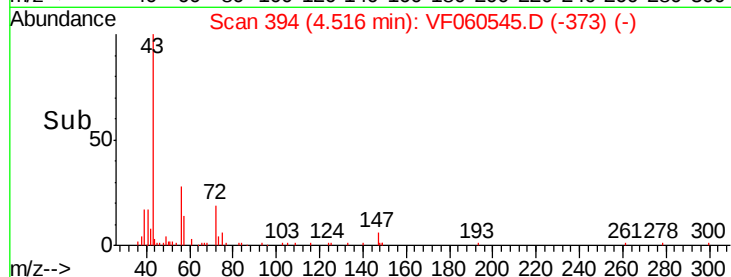
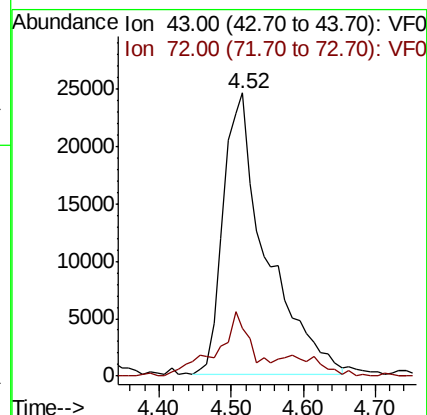
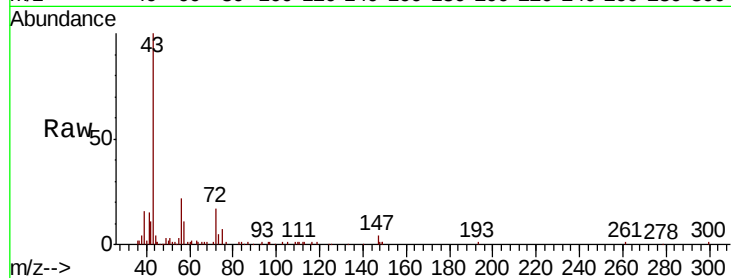
VF1030SBS01

Tot Ion: 43 Resp: 100937

Ion Ratio Lower Upper

43 100

72 16.8 17.4 26.0#



#26

2,2-Dichloropropane

Concen: 25.481 ug/l

RT: 3.76 min Scan# 317

Delta R.T. -0.02 min

Lab File: VF060545.D

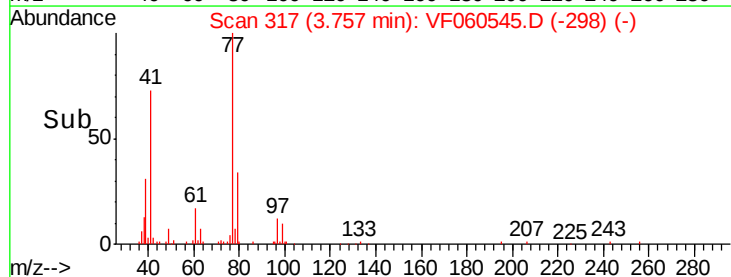
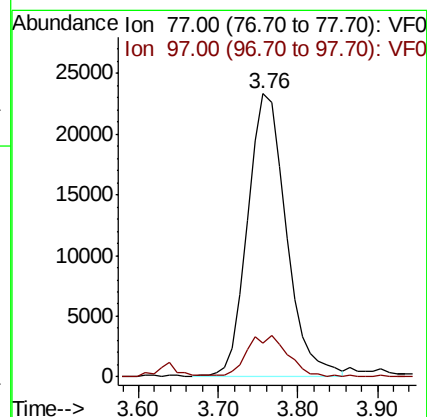
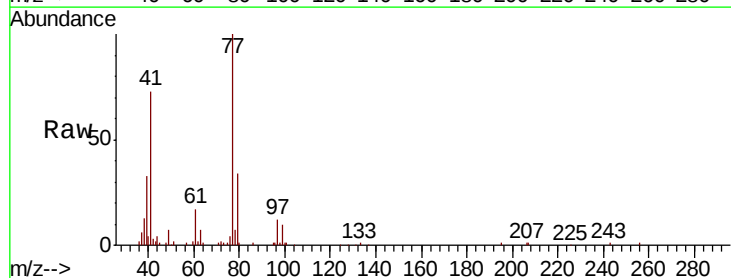
Acq: 30 Oct 2018 15:22

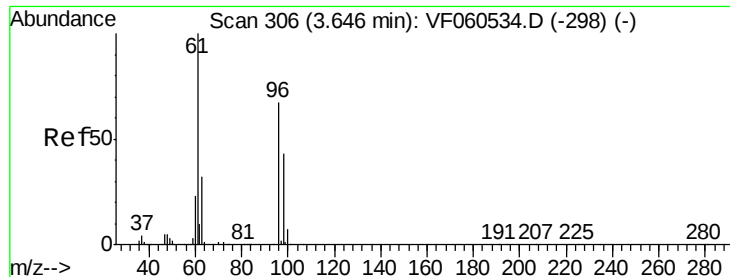
Tgt Ion: 77 Resp: 78433

Ion Ratio Lower Upper

77 100

97 12.0 8.5 25.5



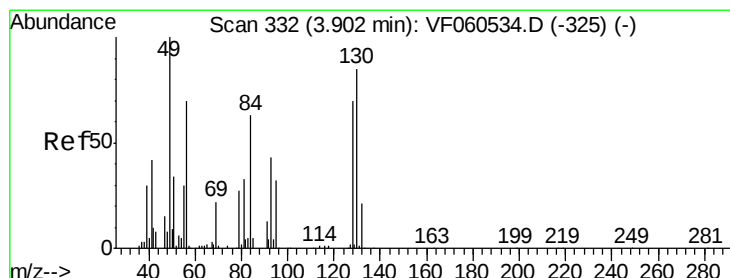
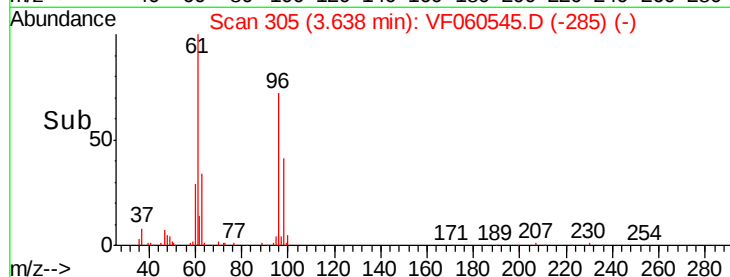
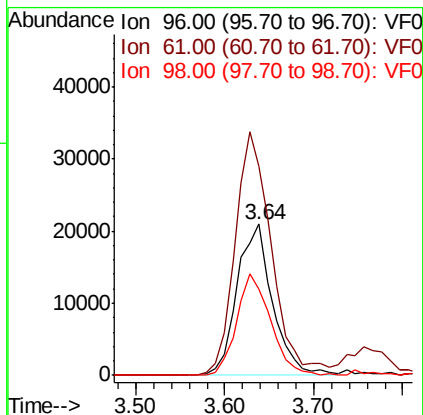
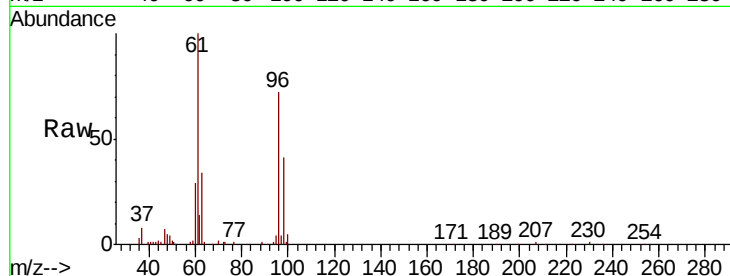


#27

cis-1,2-Dichloroethene
Concen: 19.861 ug/l
RT: 3.64 min Scan# 305
Delta R.T. -0.01 min
Lab File: VF060545.D
Acq: 30 Oct 2018 15:22

Instrument :
MSVOA_F
ClientSampleId :
VF1030SBS01

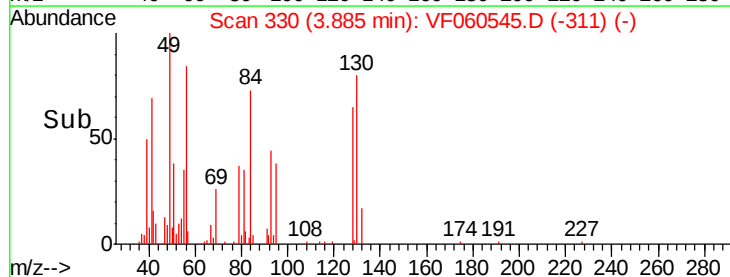
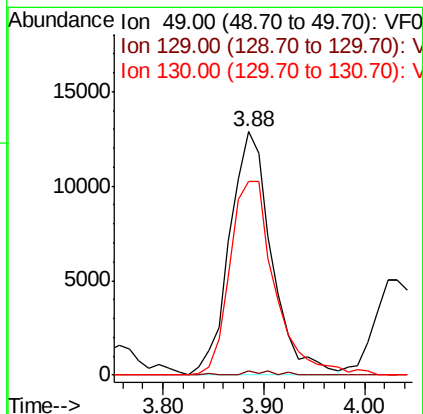
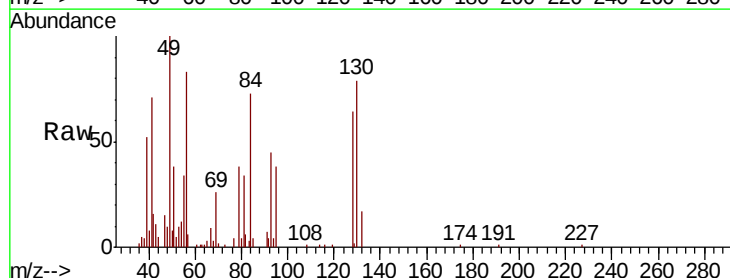
Tot Ion: 96 Resp: 58211
Ion Ratio Lower Upper
96 100
61 138.4 0.0 300.8
98 57.4 0.0 128.4

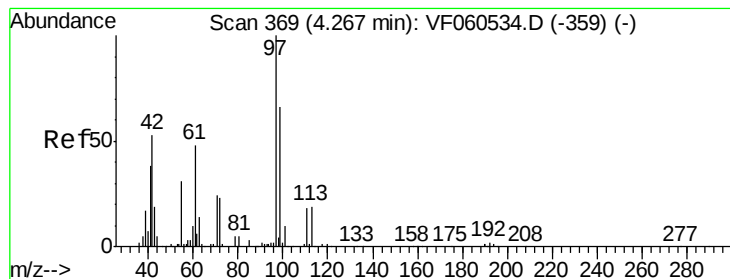


#28

Bromochloromethane
Concen: 20.928 ug/l
RT: 3.88 min Scan# 330
Delta R.T. -0.02 min
Lab File: VF060545.D
Acq: 30 Oct 2018 15:22

Tgt Ion: 49 Resp: 37338
Ion Ratio Lower Upper
49 100
129 2.0 0.0 4.8
130 79.4 67.5 101.3





#29

Tetrahydrofuran

Concen: 98.432 ug/l

RT: 4.25 min Scan# 367

Delta R.T. -0.02 min

Lab File: VF060545.D

Acq: 30 Oct 2018 15:22

Instrument :

MSVOA_F

ClientSampleId :

VF1030SBS01

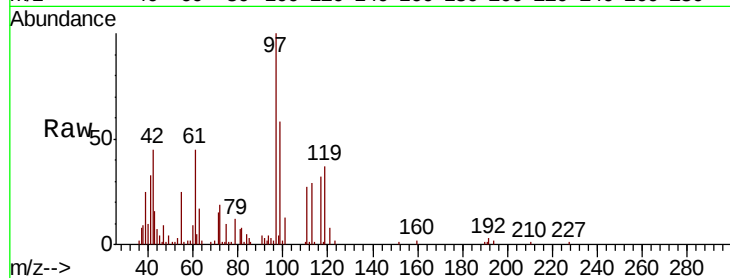
Tot Ion: 42 Resp: 29111

Ion Ratio Lower Upper

42 100

72 45.0 32.5 48.7

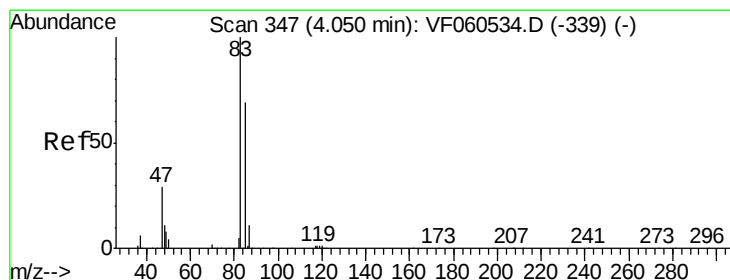
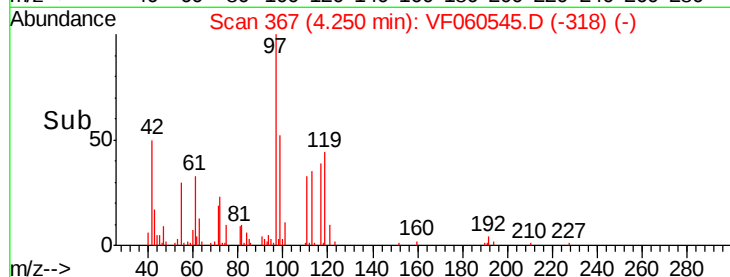
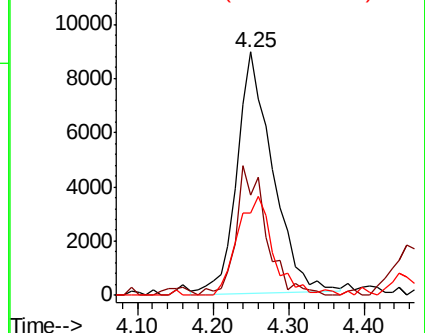
71 40.6 34.5 51.7



Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0



#30

Chloroform

Concen: 24.079 ug/l

RT: 4.03 min Scan# 345

Delta R.T. -0.02 min

Lab File: VF060545.D

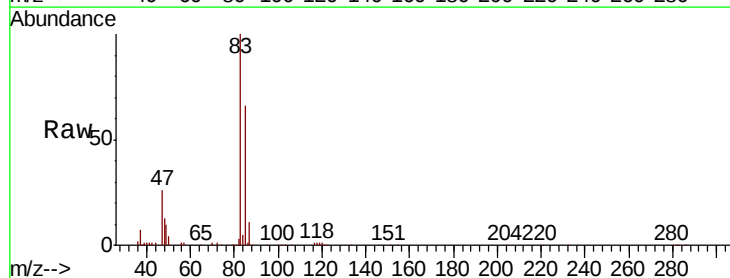
Acq: 30 Oct 2018 15:22

Tgt Ion: 83 Resp: 150624

Ion Ratio Lower Upper

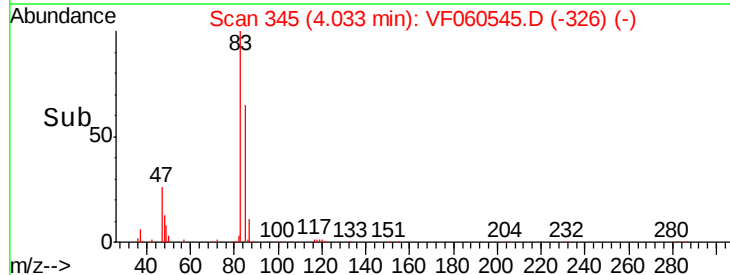
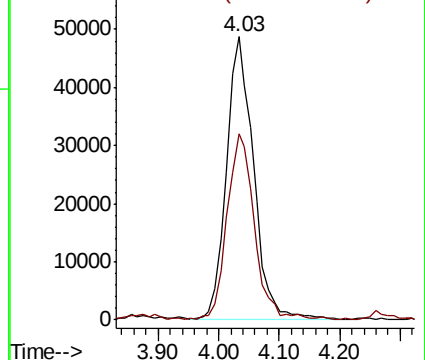
83 100

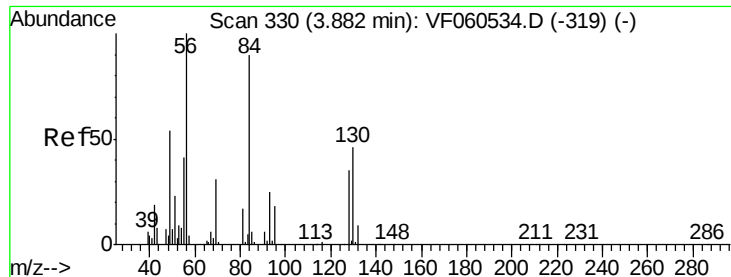
85 65.9 55.0 82.4



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

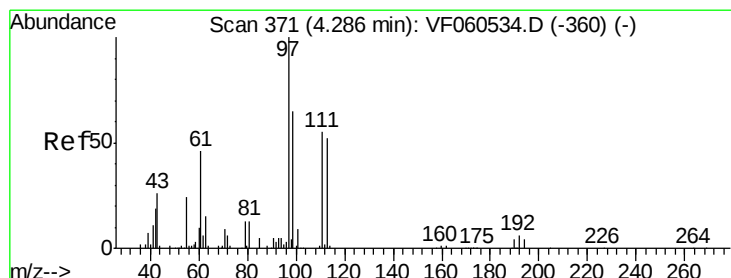
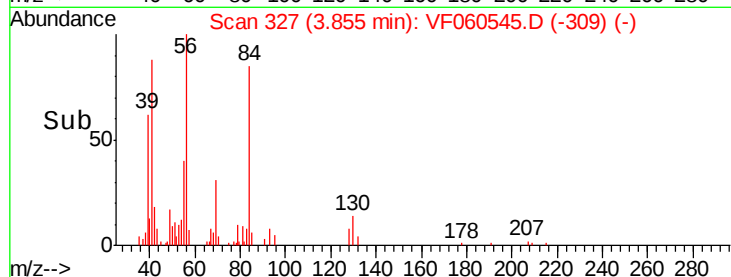
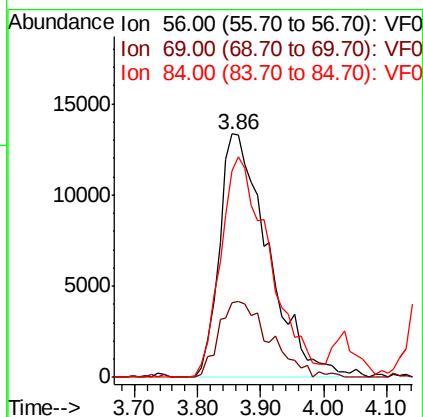
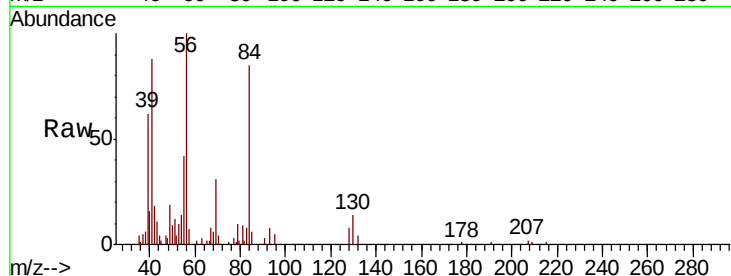




#31
Cyclohexane
Concen: 20.151 ug/l
RT: 3.86 min Scan# 327
Delta R.T. -0.03 min
Lab File: VF060545.D
Acq: 30 Oct 2018 15:22

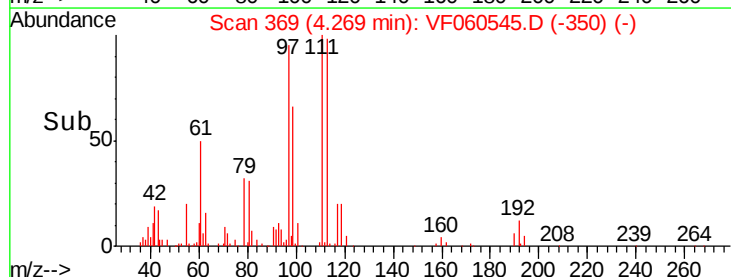
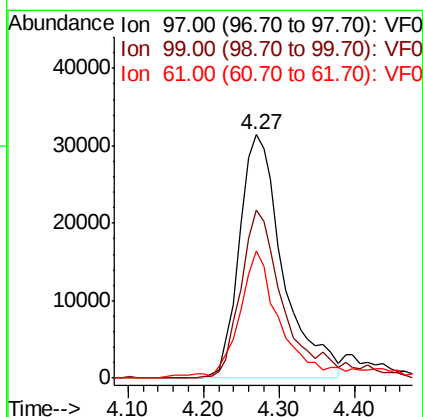
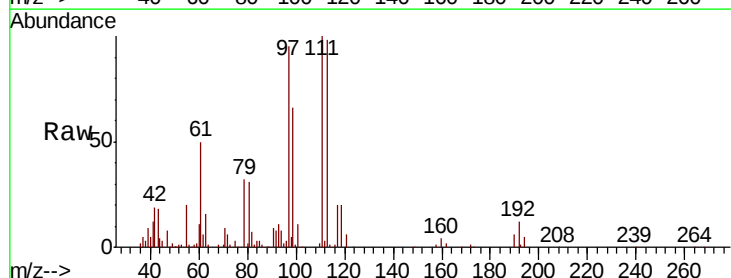
Instrument :
MSVOA_F
ClientSampleId :
VF1030SBS01

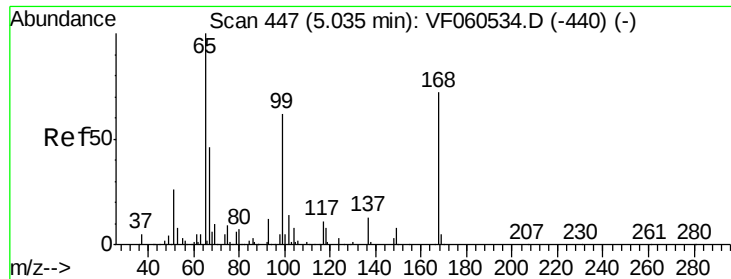
Tot Ion: 56 Resp: 71267
Ion Ratio Lower Upper
56 100
69 30.8 25.0 37.6
84 84.9 72.1 108.1



#32
1,1,1-Trichloroethane
Concen: 24.331 ug/l
RT: 4.27 min Scan# 369
Delta R.T. -0.02 min
Lab File: VF060545.D
Acq: 30 Oct 2018 15:22

Tgt Ion: 97 Resp: 125829
Ion Ratio Lower Upper
97 100
99 69.2 51.7 77.5
61 52.5 36.8 55.2

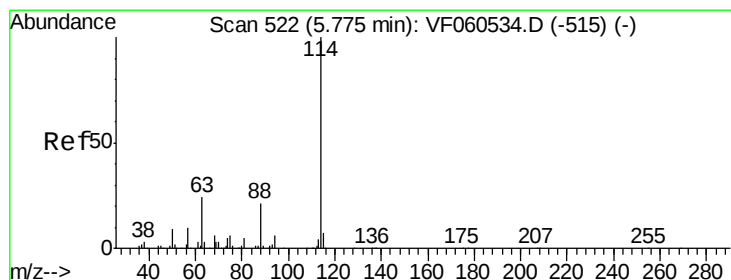
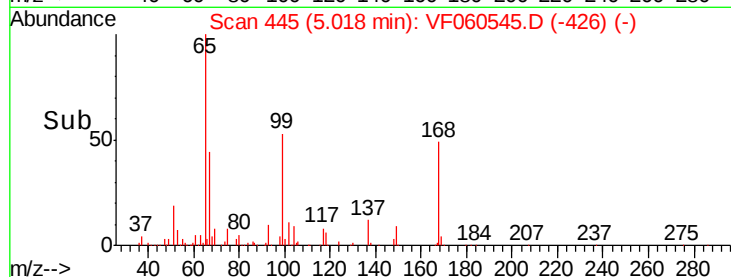
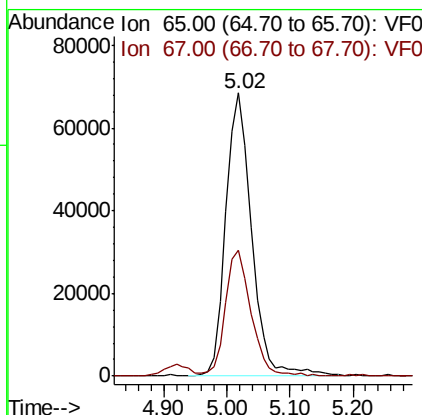
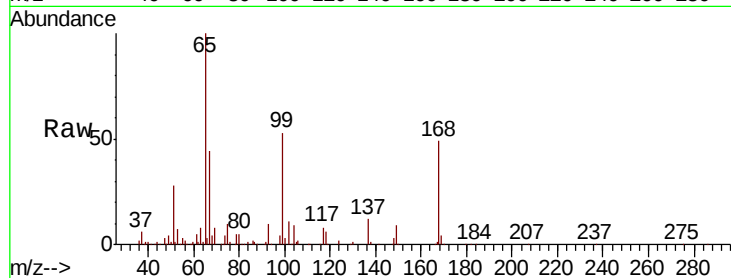




#33
 1,2-Dichloroethane-d4
 Concen: 59.746 ug/l
 RT: 5.02 min Scan# 445
 Delta R.T. -0.02 min
 Lab File: VF060545.D
 Acq: 30 Oct 2018 15:22

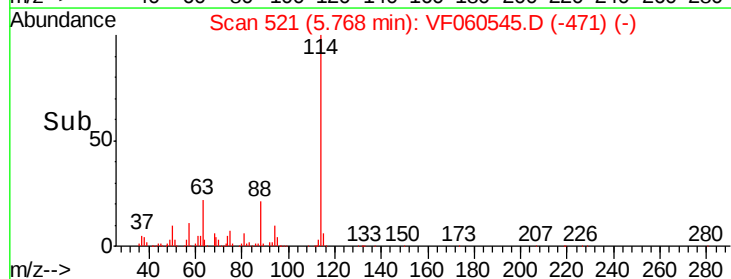
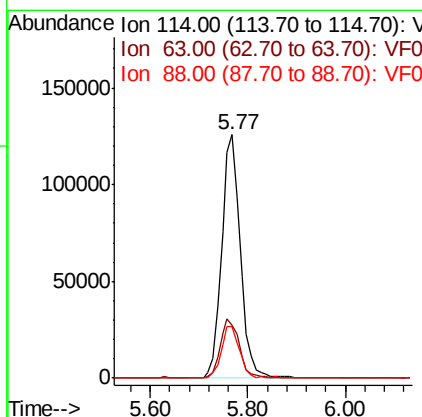
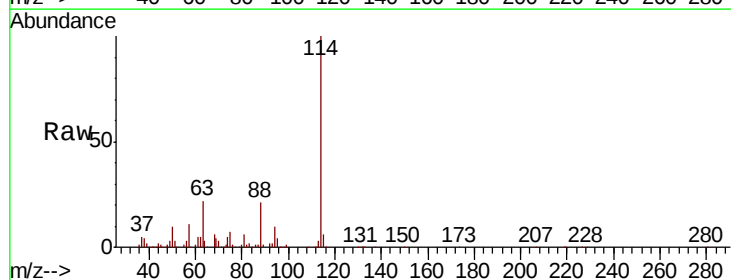
Instrument :
 MSVOA_F
 ClientSampleId :
 VF1030SBS01

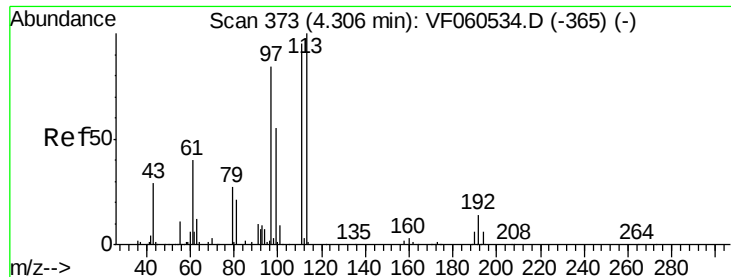
Tot Ion: 65 Resp: 194883
 Ion Ratio Lower Upper
 65 100
 67 44.4 0.0 94.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.77 min Scan# 521
 Delta R.T. -0.01 min
 Lab File: VF060545.D
 Acq: 30 Oct 2018 15:22

Tgt Ion: 114 Resp: 335094
 Ion Ratio Lower Upper
 114 100
 63 21.6 0.0 48.0
 88 21.0 0.0 42.0

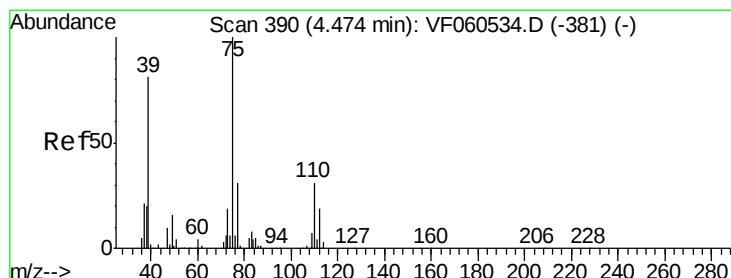
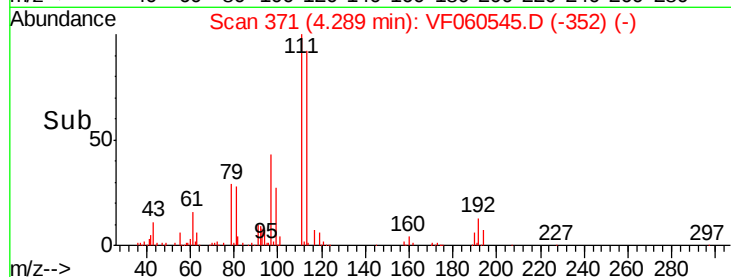
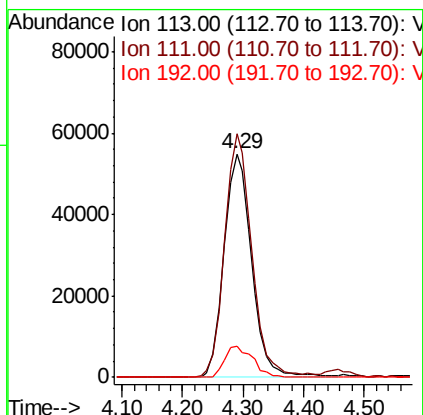
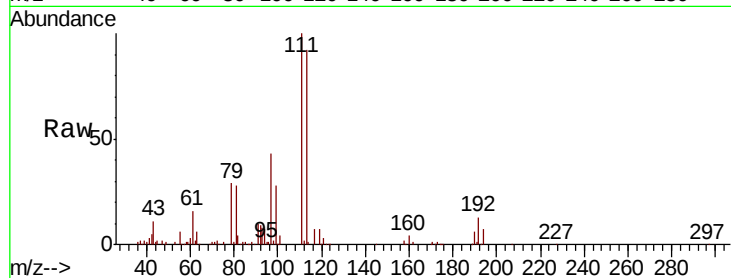




#35
 Dibromofluoromethane
 Concen: 54.075 ug/l
 RT: 4.29 min Scan# 371
 Delta R.T. -0.02 min
 Lab File: VF060545.D
 Acq: 30 Oct 2018 15:22

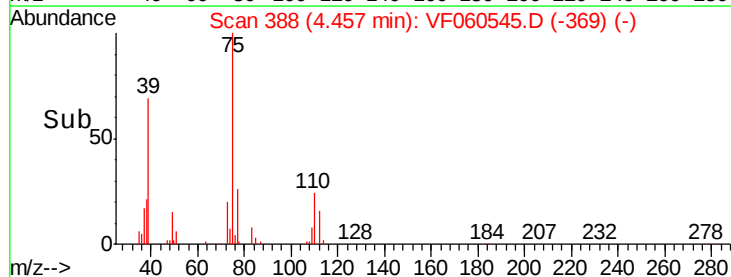
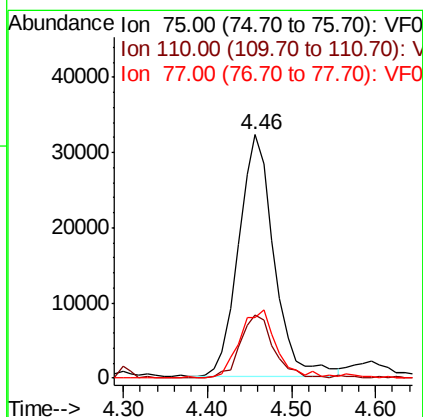
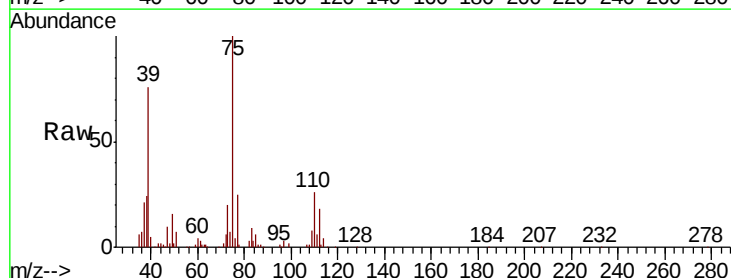
Instrument :
 MSVOA_F
 ClientSampleId :
 VF1030SBS01

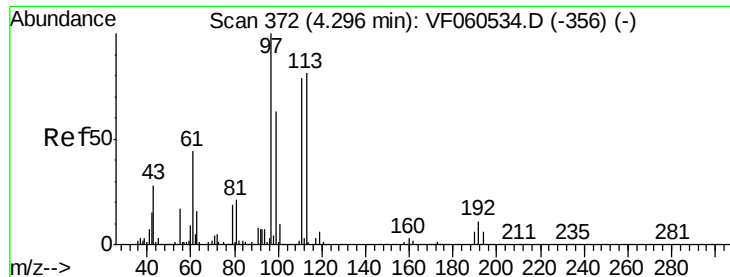
Tot Ion:113 Resp: 173878
 Ion Ratio Lower Upper
 113 100
 111 108.8 75.9 113.9
 192 14.2 11.2 16.8



#36
 1,1-Dichloropropene
 Concen: 22.827 ug/l
 RT: 4.46 min Scan# 388
 Delta R.T. -0.02 min
 Lab File: VF060545.D
 Acq: 30 Oct 2018 15:22

Tgt Ion: 75 Resp: 95304
 Ion Ratio Lower Upper
 75 100
 110 25.8 15.3 45.8
 77 24.9 24.8 37.2





#37

Ethyl Acetate

Concen: 21.575 ug/l

RT: 4.29 min Scan# 371

Delta R.T. -0.01 min

Lab File: VF060545.D

Acq: 30 Oct 2018 15:22

Instrument :

MSVOA_F

ClientSampleId :

VF1030SBS01

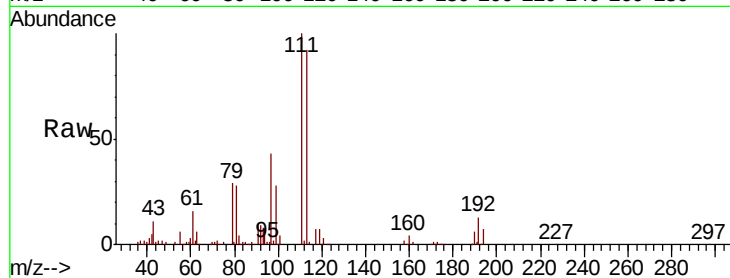
Tot Ion: 43 Resp: 29161

Ion Ratio Lower Upper

43 100

61 143.0 123.9 185.9

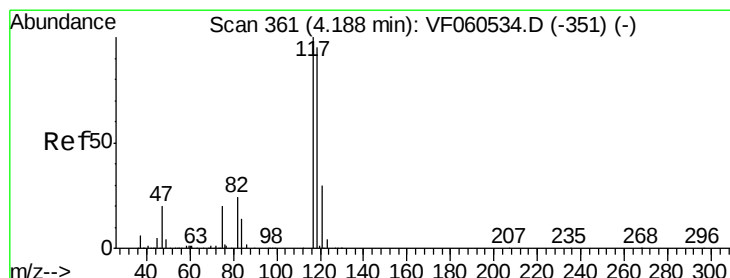
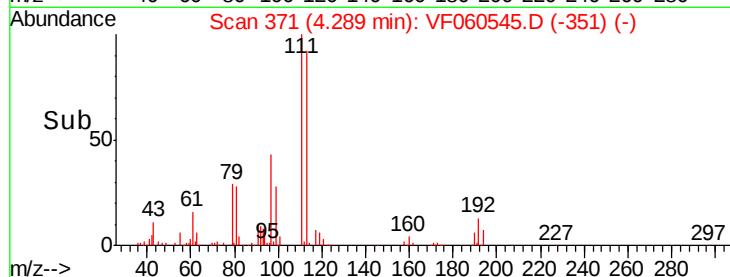
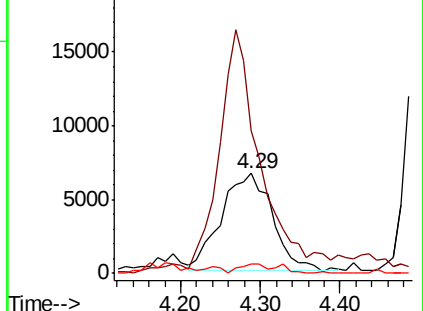
70 9.3 7.3 10.9



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0



#38

Carbon Tetrachloride

Concen: 26.324 ug/l

RT: 4.17 min Scan# 359

Delta R.T. -0.02 min

Lab File: VF060545.D

Acq: 30 Oct 2018 15:22

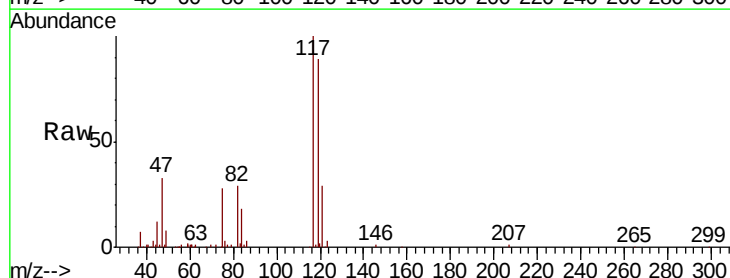
Tgt Ion: 117 Resp: 131592

Ion Ratio Lower Upper

117 100

119 88.4 76.5 114.7

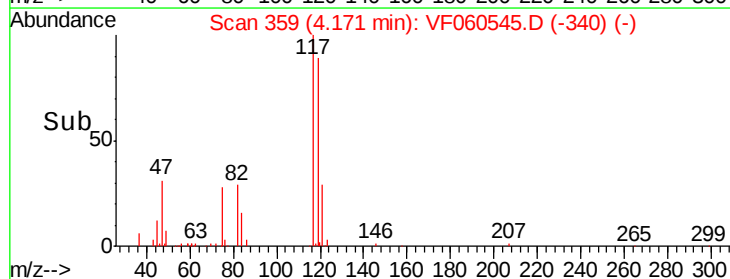
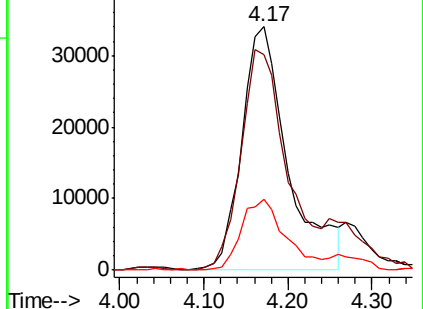
121 29.2 24.3 36.5

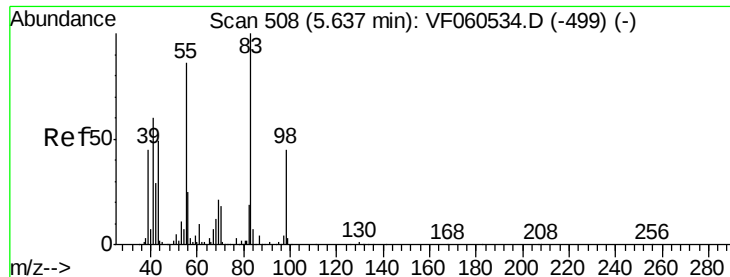


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V

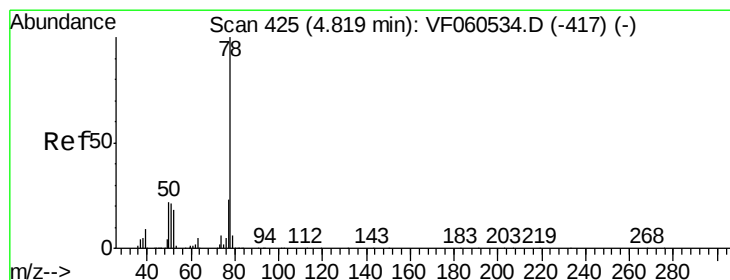
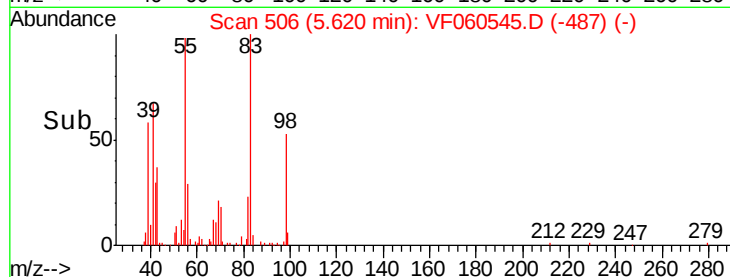
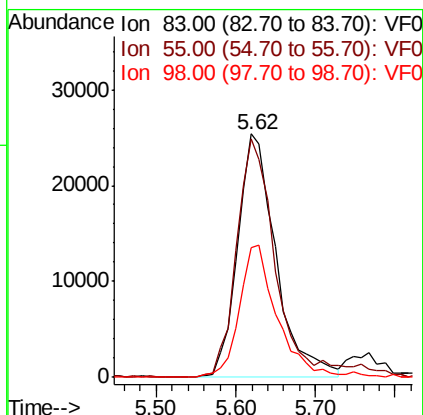
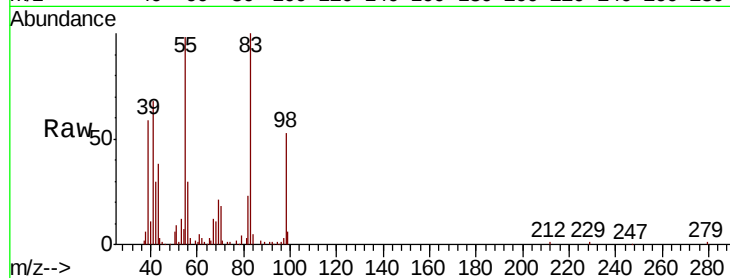




#39
Methvlcvclohexane
Concen: 20.134 ug/l
RT: 5.62 min Scan# 506
Delta R.T. -0.02 min
Lab File: VF060545.D
Acq: 30 Oct 2018 15:22

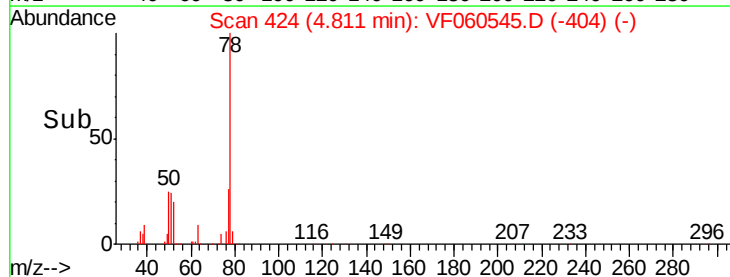
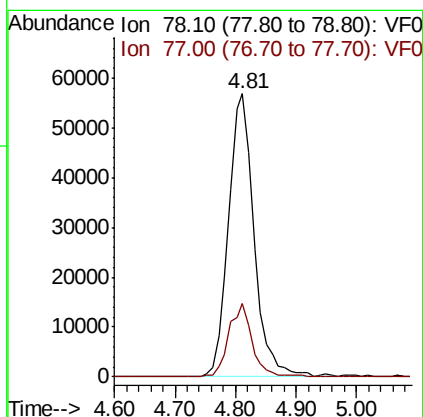
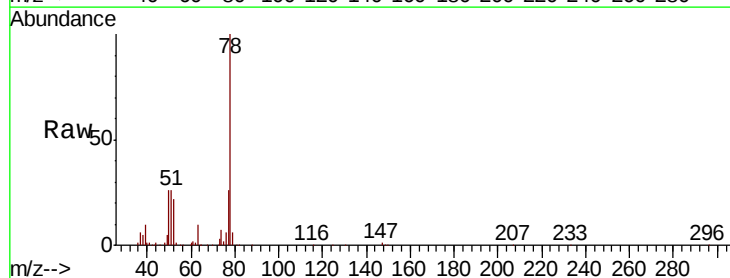
Instrument :
MSVOA_F
ClientSampleId :
VF1030SBS01

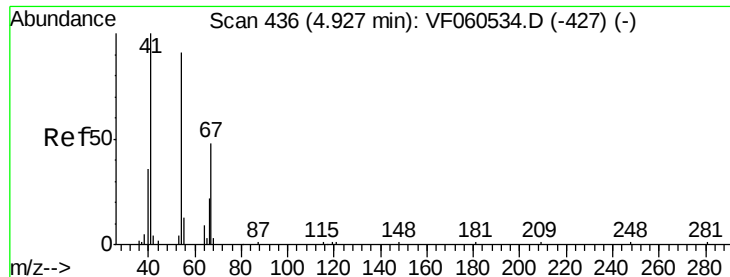
Tot Ion: 83 Resp: 84890
Ion Ratio Lower Upper
83 100
55 98.0 69.0 103.4
98 53.2 36.1 54.1



#40
Benzene
Concen: 20.187 ug/l
RT: 4.81 min Scan# 424
Delta R.T. -0.01 min
Lab File: VF060545.D
Acq: 30 Oct 2018 15:22

Tgt Ion: 78 Resp: 167162
Ion Ratio Lower Upper
78 100
77 26.0 18.5 27.7

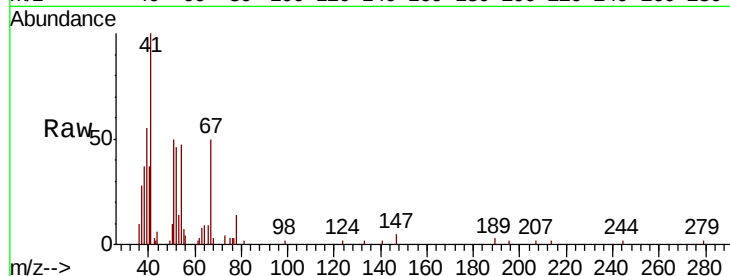




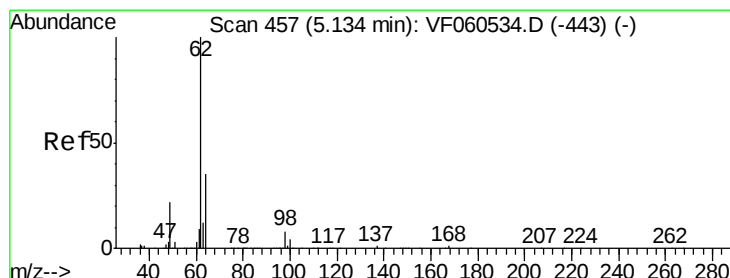
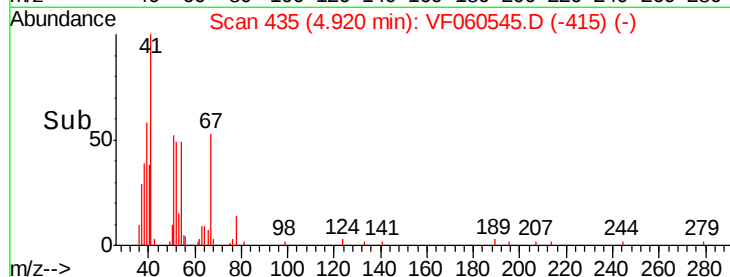
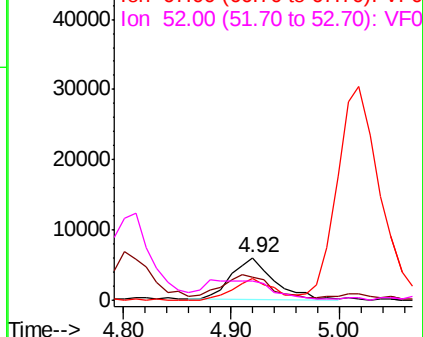
#41
Methacrylonitrile
Concen: 20.895 ug/l
RT: 4.92 min Scan# 435
Delta R.T. -0.01 min
Lab File: VF060545.D
Acq: 30 Oct 2018 15:22

Instrument :
MSVOA_F
ClientSampleId :
VF1030SBS01

Tot Ion:	41	Resp:	16144
Ion	Ratio	Lower	Upper
41	100		
39	55.1	51.0	76.6
67	50.0	38.0	57.0
52	46.4	40.6	61.0

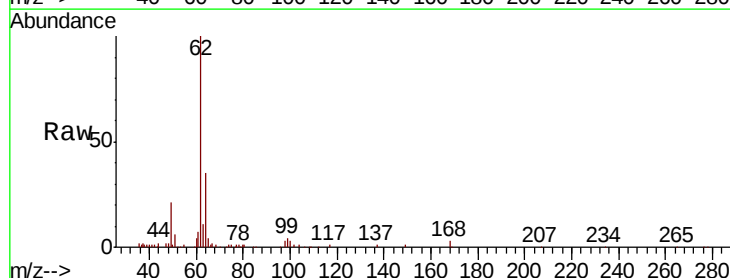


Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 39.00 (38.70 to 39.70): VF0
Ion 67.00 (66.70 to 67.70): VF0
Ion 52.00 (51.70 to 52.70): VF0

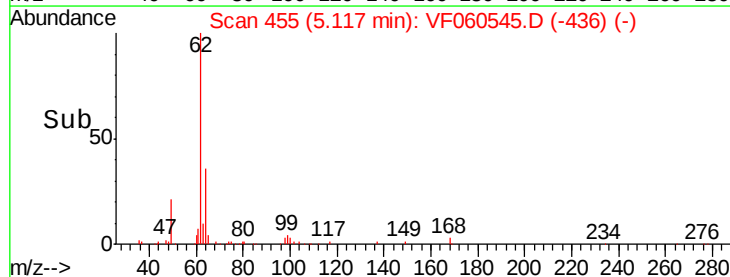
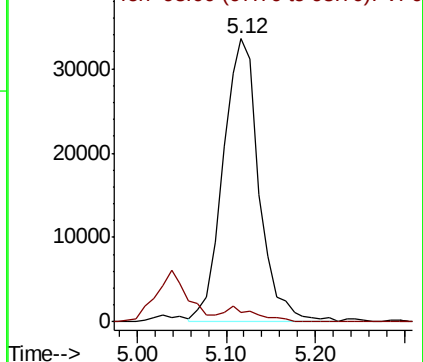


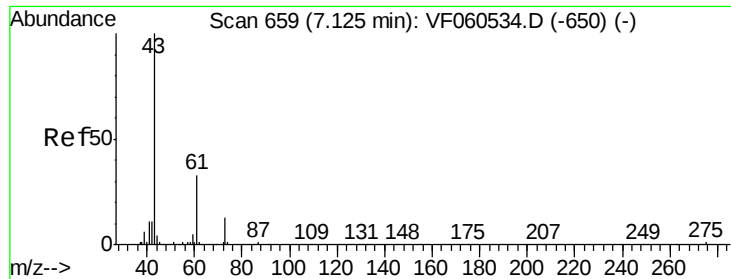
#42
1,2-Dichloroethane
Concen: 24.671 ug/l
RT: 5.12 min Scan# 455
Delta R.T. -0.02 min
Lab File: VF060545.D
Acq: 30 Oct 2018 15:22

Tgt Ion:	62	Resp:	94861
Ion	Ratio	Lower	Upper
62	100		
98	3.2	0.0	15.8



Abundance Ion 62.00 (61.70 to 62.70): VF0
Ion 98.00 (97.70 to 98.70): VF0



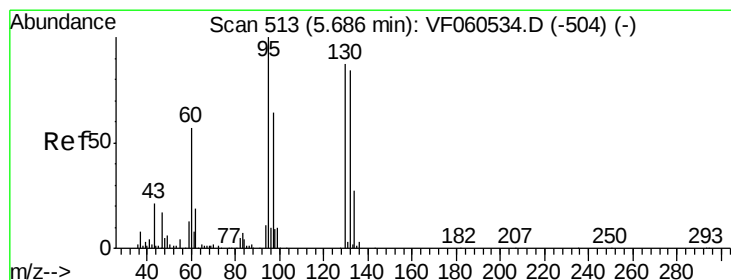
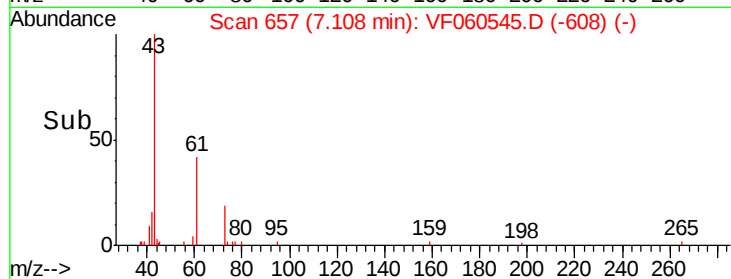
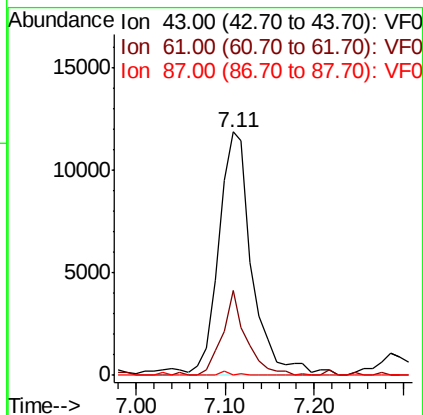
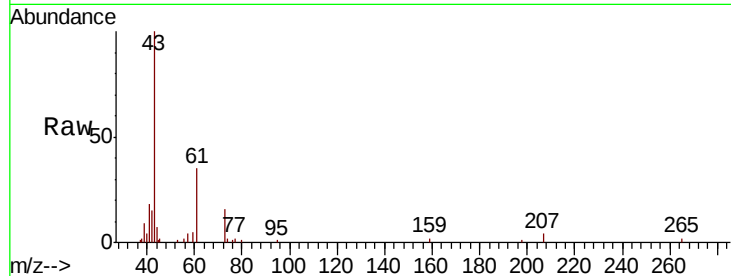


#43

Isopropyl Acetate
 Concen: 18.926 ug/l
 RT: 7.11 min Scan# 657
 Delta R.T. -0.02 min
 Lab File: VF060545.D
 Acq: 30 Oct 2018 15:22

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1030SBS01

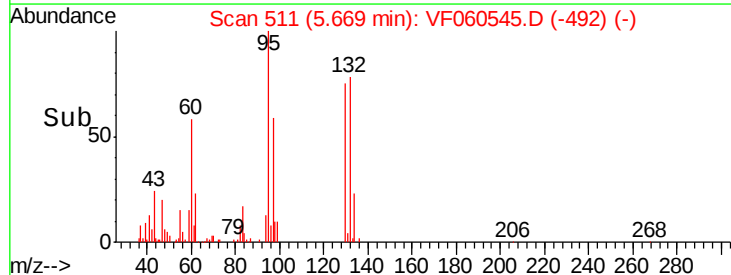
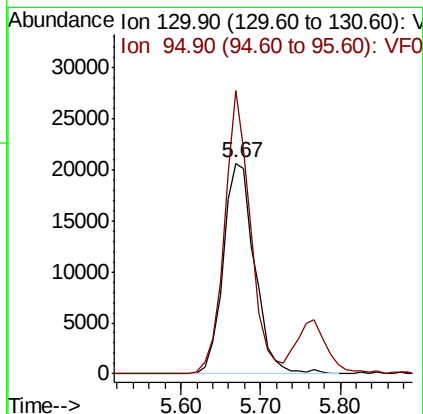
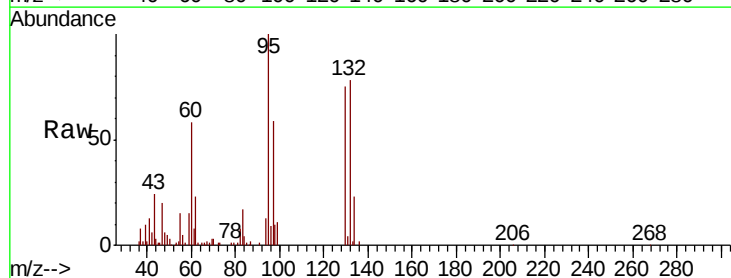
Tot Ion	Ratio	Lower	Upper
43	100		
61	34.7	26.6	40.0
87	0.0	0.6	1.0#

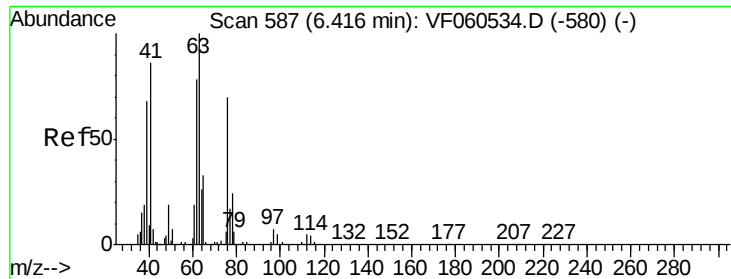


#44

Trichloroethene
 Concen: 21.271 ug/l
 RT: 5.67 min Scan# 511
 Delta R.T. -0.02 min
 Lab File: VF060545.D
 Acq: 30 Oct 2018 15:22

Tgt Ion	Ratio	Lower	Upper
130	100		
95	134.1	0.0	229.4





#45

1,2-Dichloropropane

Concen: 17.956 ug/l

RT: 6.40 min Scan# 585

Delta R.T. -0.02 min

Lab File: VF060545.D

Acq: 30 Oct 2018 15:22

Instrument :

MSVOA_F

ClientSampleId :

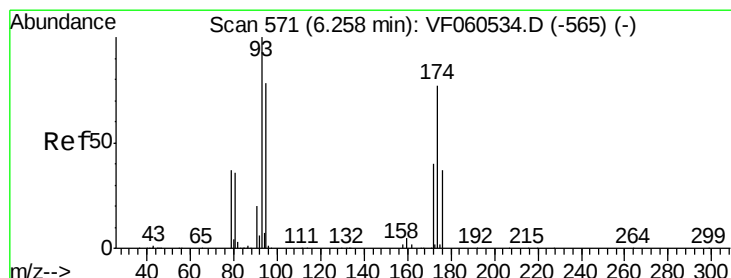
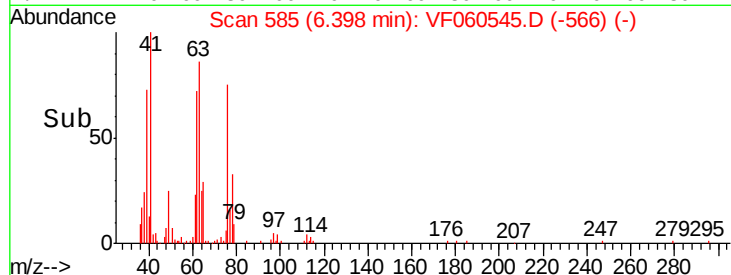
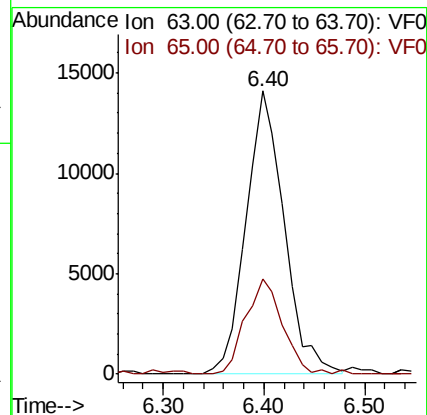
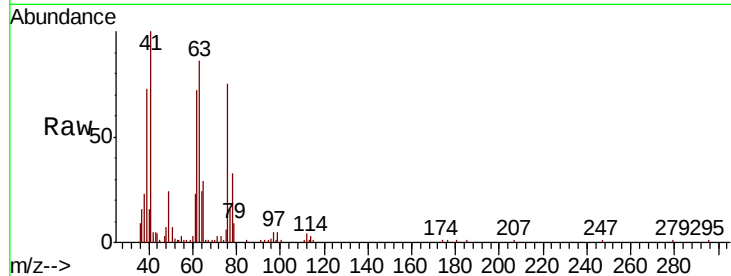
VF1030SBS01

Tot Ion: 63 Resp: 37106

Ion Ratio Lower Upper

63 100

65 33.8 26.5 39.7



#46

Dibromomethane

Concen: 23.499 ug/l

RT: 6.25 min Scan# 570

Delta R.T. -0.01 min

Lab File: VF060545.D

Acq: 30 Oct 2018 15:22

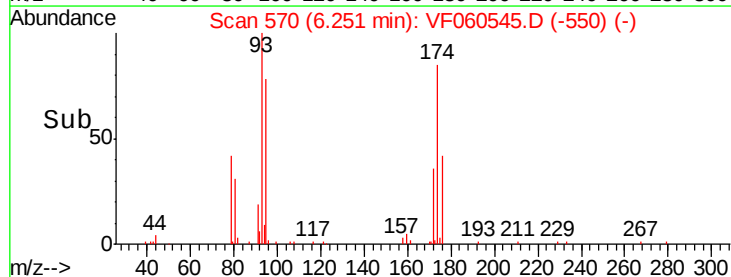
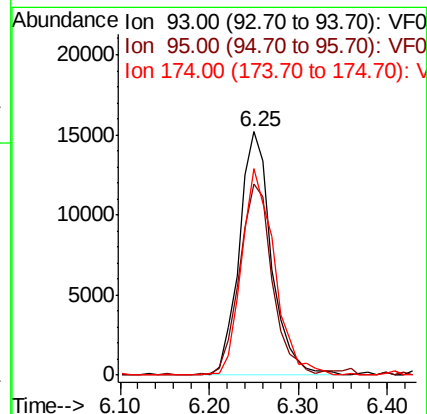
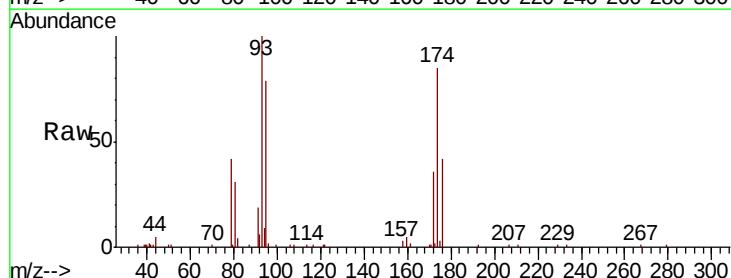
Tgt Ion: 93 Resp: 38132

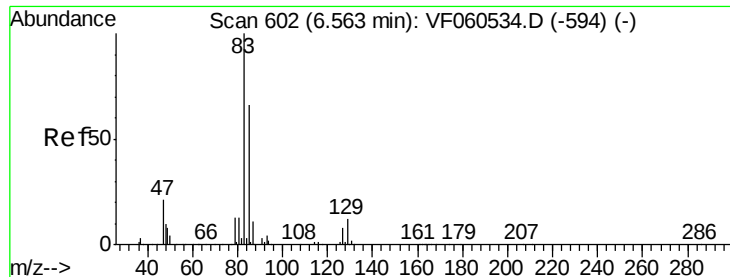
Ion Ratio Lower Upper

93 100

95 78.6 64.3 96.5

174 84.8 63.3 94.9





#47

Bromodichloromethane

Concen: 23.531 ug/l

RT: 6.55 min Scan# 600

Delta R.T. -0.02 min

Lab File: VF060545.D

Acq: 30 Oct 2018 15:22

Instrument :

MSVOA_F

ClientSampleId :

VF1030SBS01

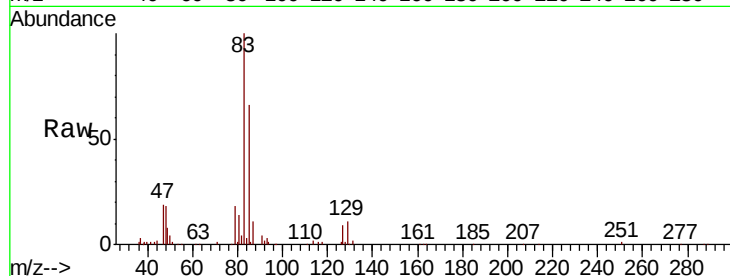
Tot Ion: 83 Resp: 97980

Ion Ratio Lower Upper

83 100

85 65.9 52.7 79.1

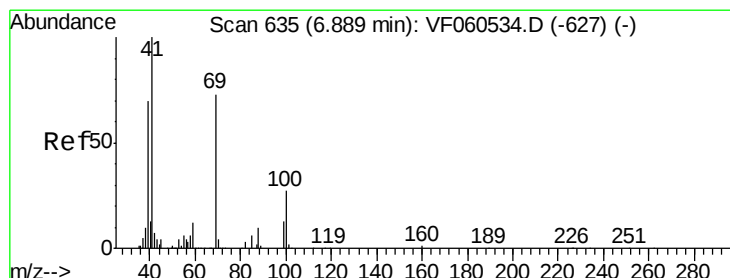
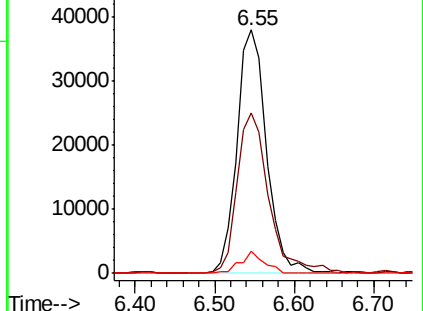
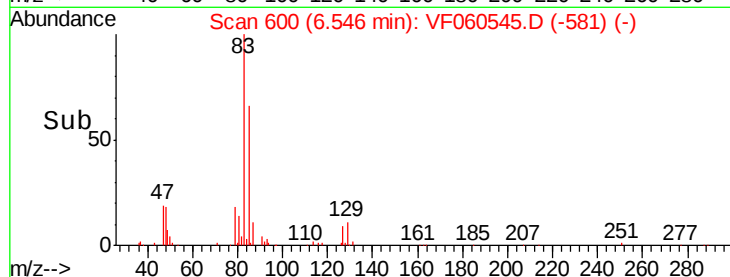
127 8.9 6.4 9.6



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: 20.821 ug/l

RT: 6.87 min Scan# 633

Delta R.T. -0.02 min

Lab File: VF060545.D

Acq: 30 Oct 2018 15:22

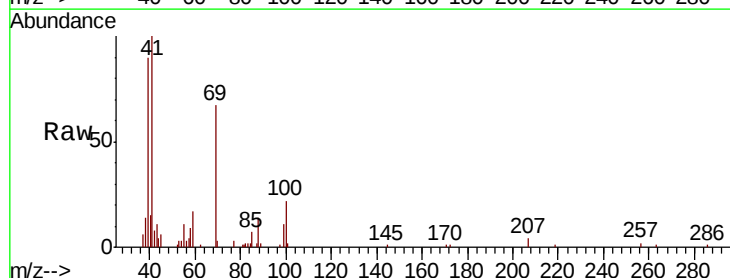
Tgt Ion: 41 Resp: 23496

Ion Ratio Lower Upper

41 100

69 67.5 58.4 87.6

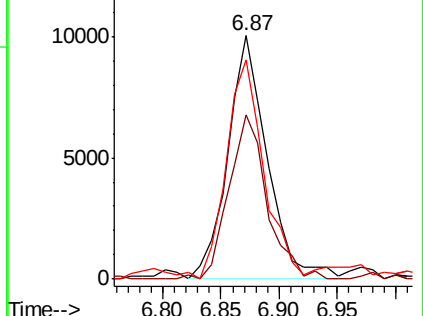
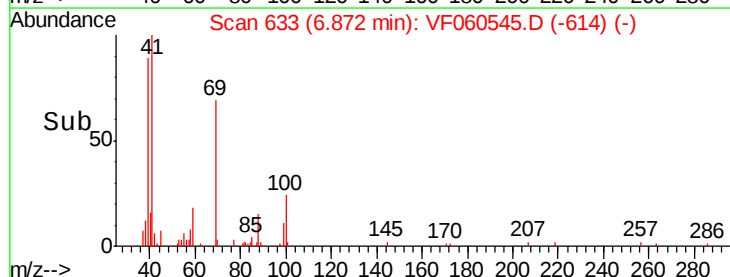
39 90.0 56.4 84.6#

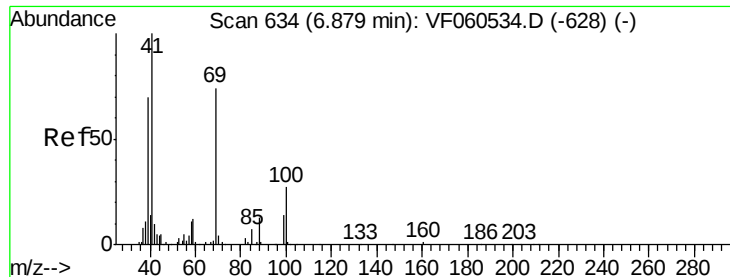


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

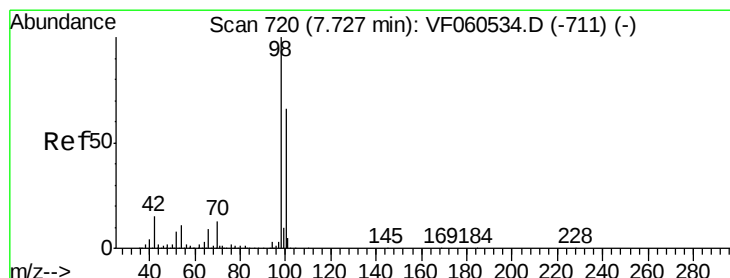
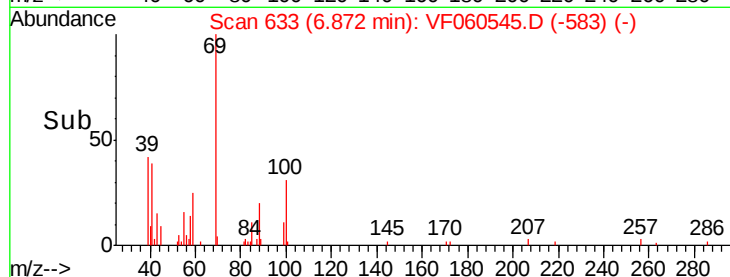
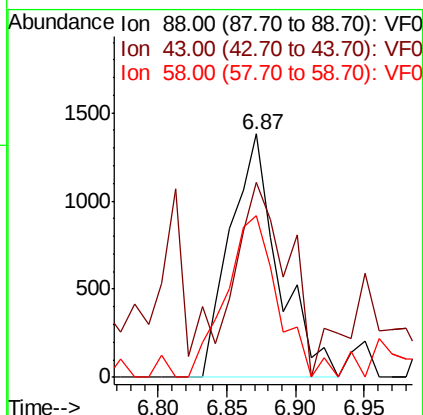
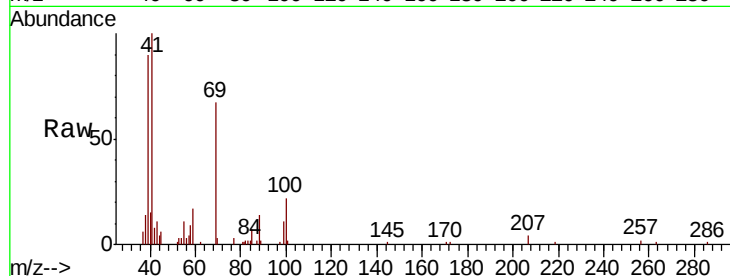




#49
1,4-Dioxane
Concen: 319.980 ug/l
RT: 6.87 min Scan# 633
Delta R.T. -0.01 min
Lab File: VF060545.D
Acq: 30 Oct 2018 15:22

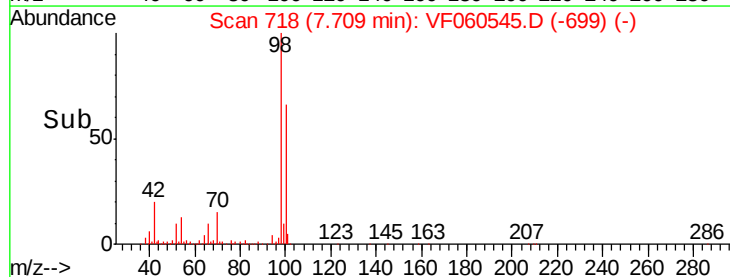
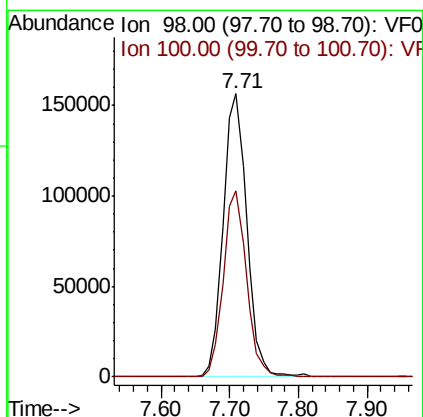
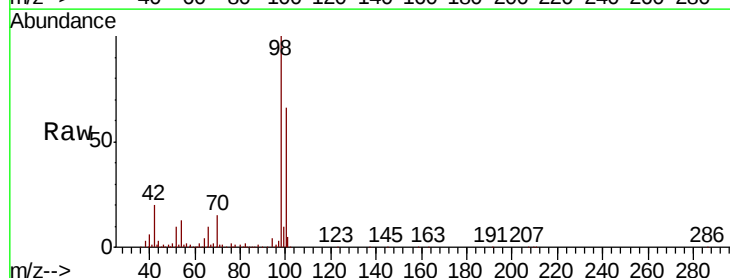
Instrument :
MSVOA_F
ClientSampleId :
VF1030SBS01

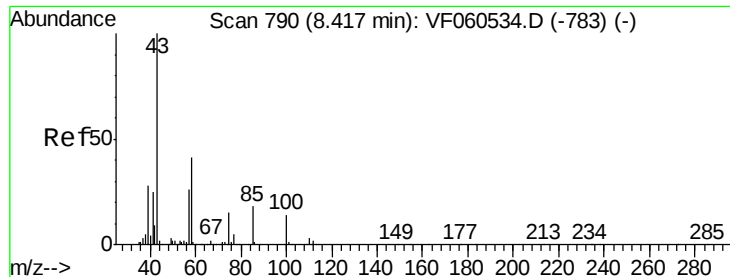
Tot Ion: 88 Resp: 3359
Ion Ratio Lower Upper
88 100
43 79.9 49.7 74.5#
58 66.6 67.7 101.5#



#50
Toluene-d8
Concen: 47.597 ug/l
RT: 7.71 min Scan# 718
Delta R.T. -0.02 min
Lab File: VF060545.D
Acq: 30 Oct 2018 15:22

Tgt Ion: 98 Resp: 373766
Ion Ratio Lower Upper
98 100
100 65.8 53.0 79.6





#51

4-Methyl-2-Pentanone

Concen: 112.688 ug/l

RT: 8.40 min Scan# 788

Delta R.T. -0.02 min

Lab File: VF060545.D

Acq: 30 Oct 2018 15:22

Instrument :

MSVOA_F

ClientSampleId :

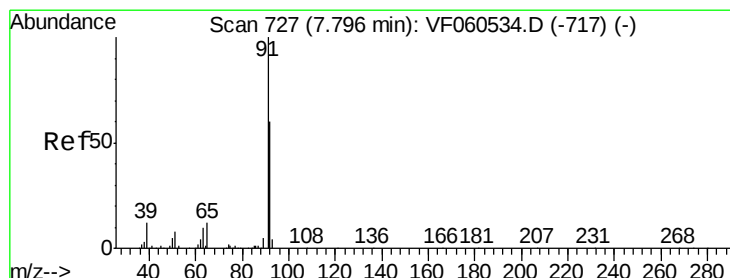
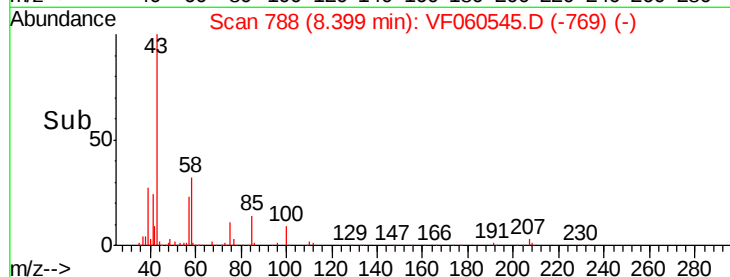
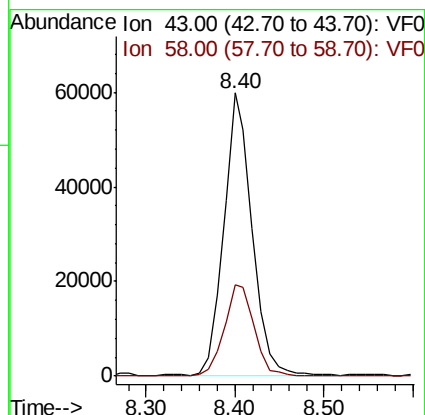
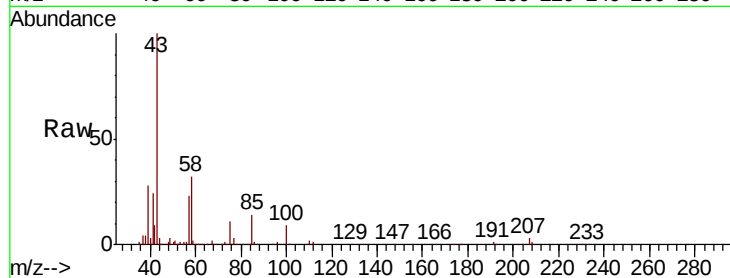
VF1030SBS01

Tot Ion: 43 Resp: 133545

Ion Ratio Lower Upper

43 100

58 32.5 32.6 49.0#



#52

Toluene

Concen: 19.282 ug/l

RT: 7.78 min Scan# 725

Delta R.T. -0.02 min

Lab File: VF060545.D

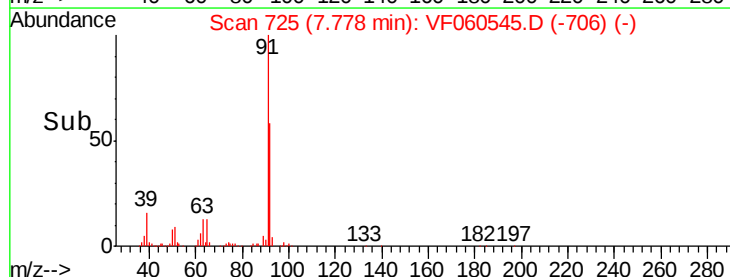
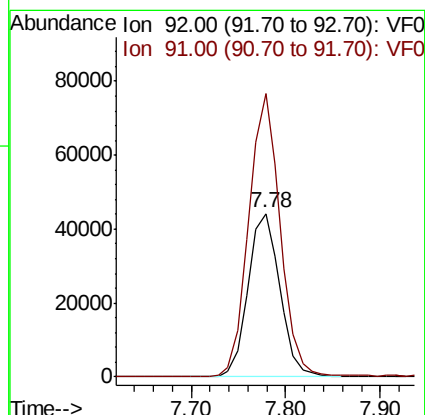
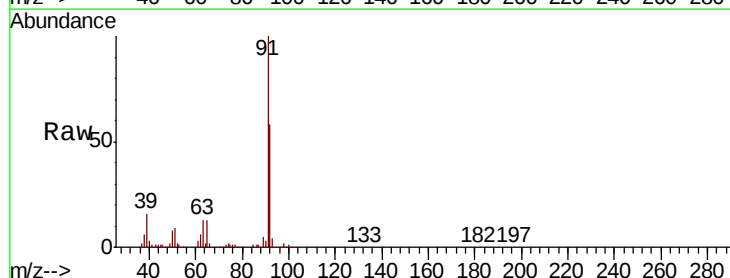
Acq: 30 Oct 2018 15:22

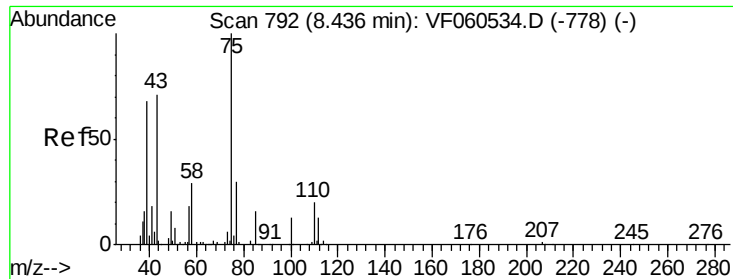
Tgt Ion: 92 Resp: 103654

Ion Ratio Lower Upper

92 100

91 173.5 134.1 201.1





#53

t-1,3-Dichloropropene

Concen: 22.874 ug/l

RT: 8.42 min Scan# 790

Delta R.T. -0.02 min

Lab File: VF060545.D

Acq: 30 Oct 2018 15:22

Instrument :

MSVOA_F

ClientSampleId :

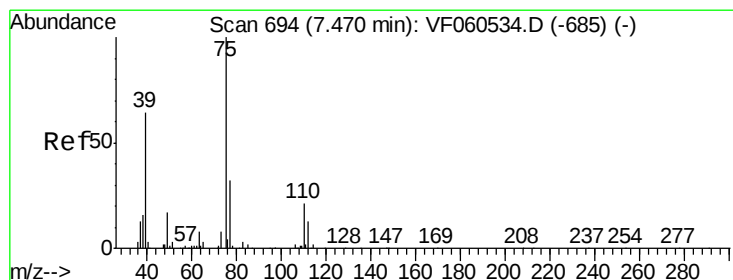
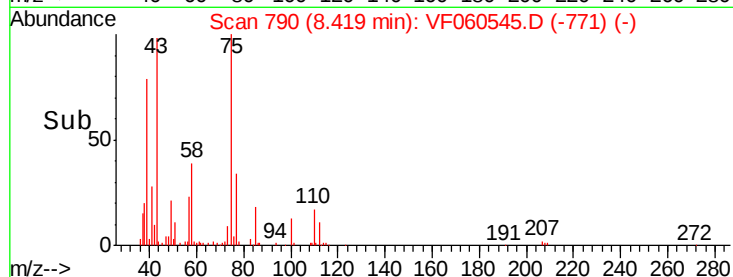
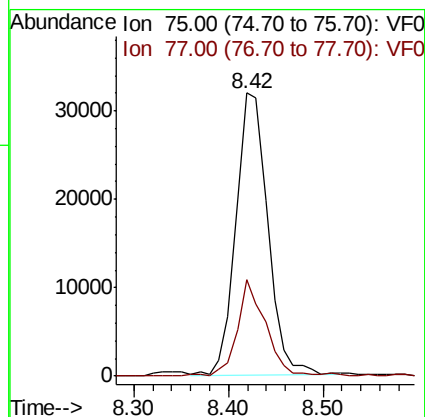
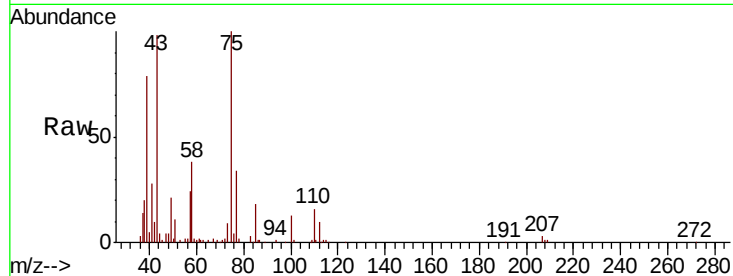
VF1030SBS01

Tot Ion: 75 Resp: 74399

Ion Ratio Lower Upper

75 100

77 34.0 24.2 36.4



#54

cis-1,3-Dichloropropene

Concen: 21.187 ug/l

RT: 7.45 min Scan# 692

Delta R.T. -0.02 min

Lab File: VF060545.D

Acq: 30 Oct 2018 15:22

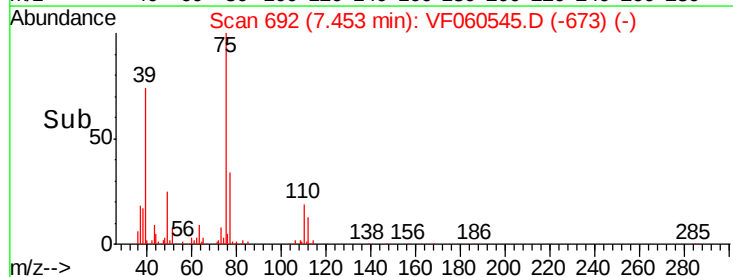
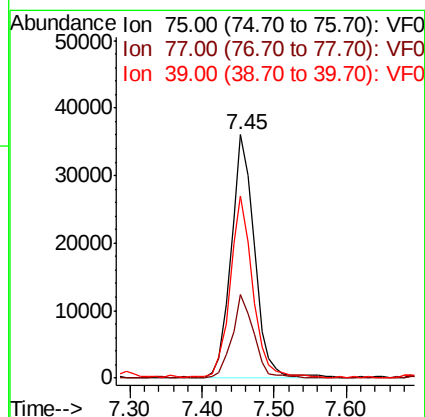
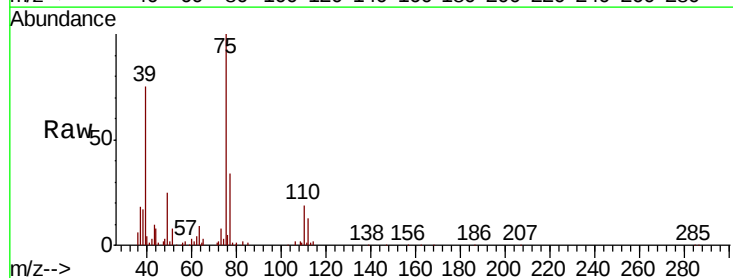
Tgt Ion: 75 Resp: 81672

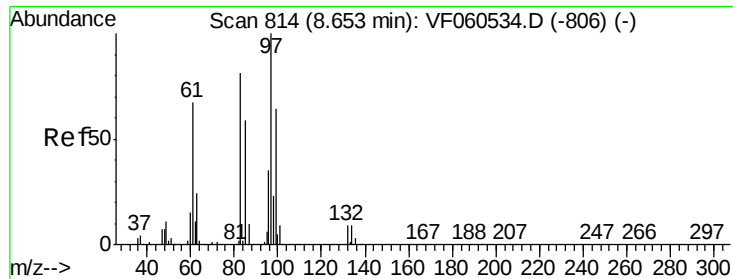
Ion Ratio Lower Upper

75 100

77 34.2 25.7 38.5

39 75.0 51.5 77.3





#55

1,1,2-Trichloroethane

Concen: 18.776 ug/l

RT: 8.64 min Scan# 812

Delta R.T. -0.02 min

Lab File: VF060545.D

Acq: 30 Oct 2018 15:22

Instrument :

MSVOA_F

ClientSampleId :

VF1030SBS01

Tot Ion: 97 Resp: 30243

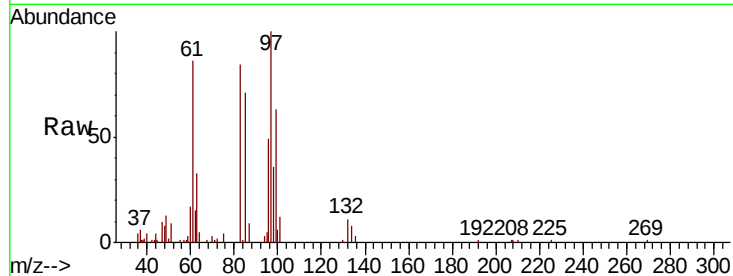
Ion Ratio Lower Upper

97 100

83 83.7 65.3 97.9

85 71.3 47.6 71.4

99 63.2 51.5 77.3

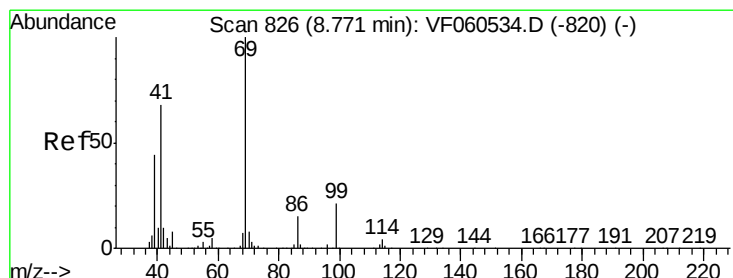
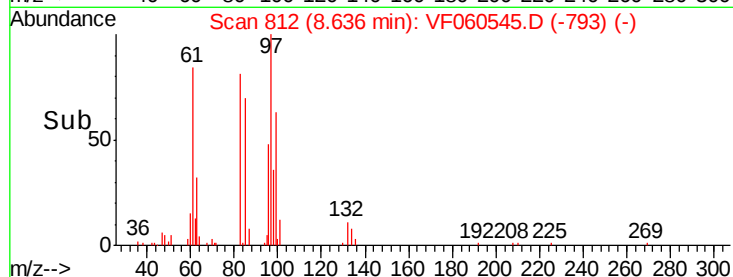
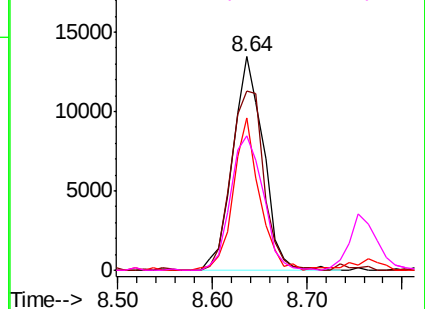


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 19.296 ug/l

RT: 8.75 min Scan# 824

Delta R.T. -0.02 min

Lab File: VF060545.D

Acq: 30 Oct 2018 15:22

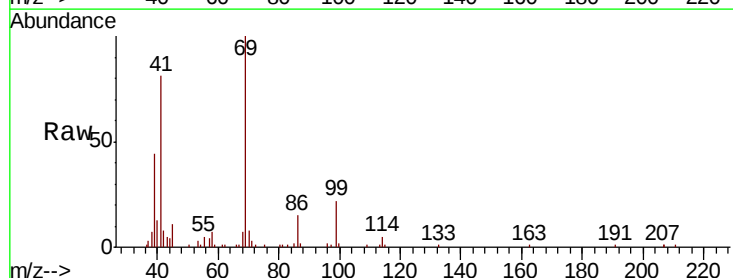
Tgt Ion: 69 Resp: 34875

Ion Ratio Lower Upper

69 100

41 81.3 55.0 82.6

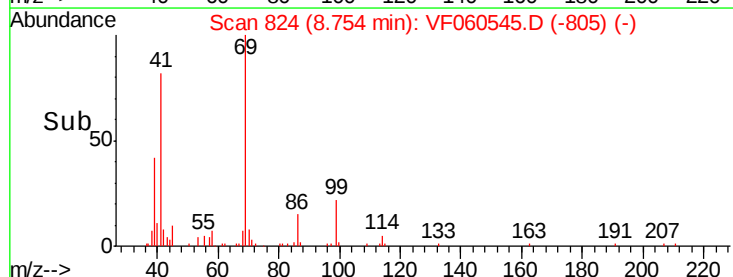
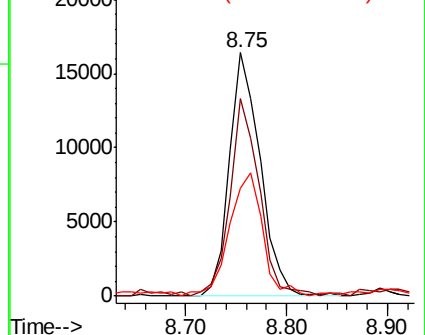
39 44.2 35.1 52.7

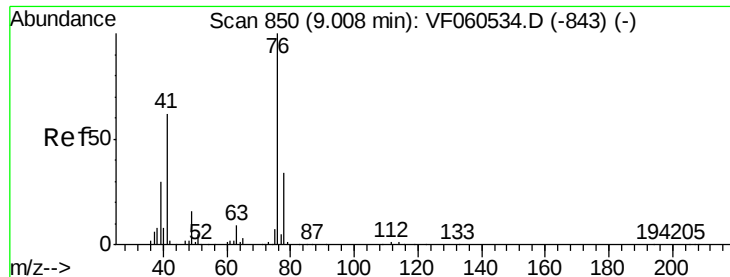


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 18.949 ug/l

RT: 9.00 min Scan# 849

Delta R.T. -0.01 min

Lab File: VF060545.D

Acq: 30 Oct 2018 15:22

Instrument :

MSVOA_F

ClientSampleId :

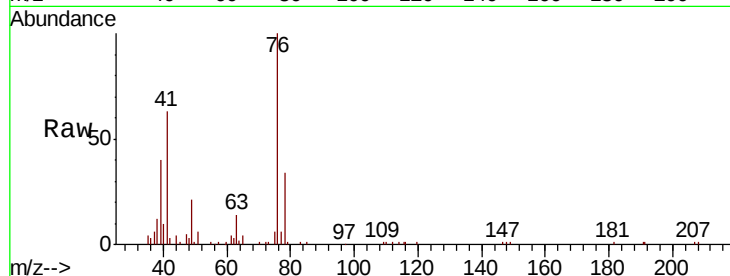
VF1030SBS01

Tot Ion: 76 Resp: 51651

Ion Ratio Lower Upper

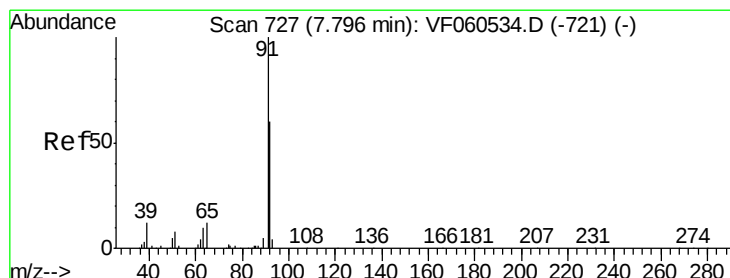
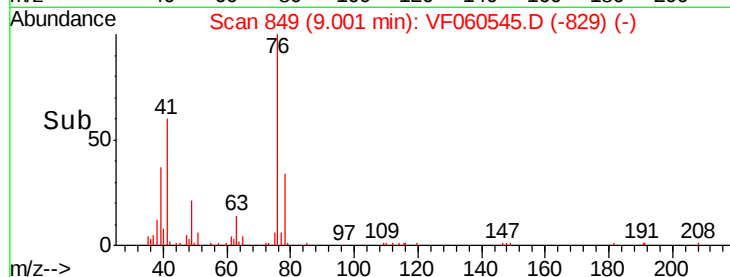
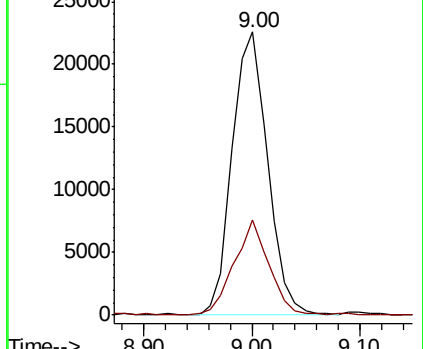
76 100

78 33.7 27.3 40.9



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 126.579 ug/l

RT: 7.78 min Scan# 725

Delta R.T. -0.02 min

Lab File: VF060545.D

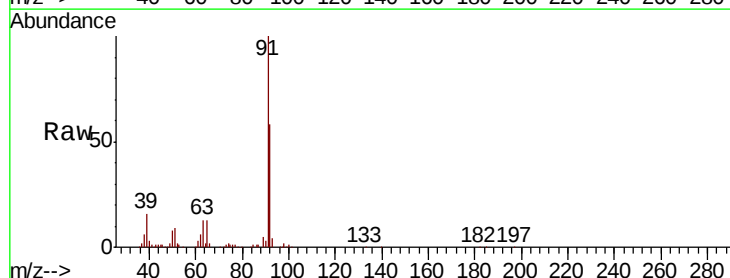
Acq: 30 Oct 2018 15:22

Tgt Ion: 63 Resp: 23578

Ion Ratio Lower Upper

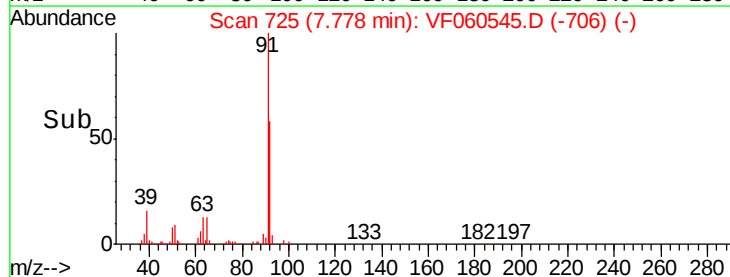
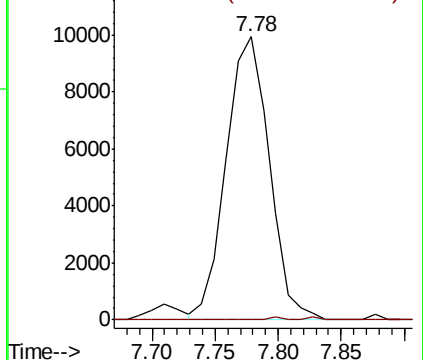
63 100

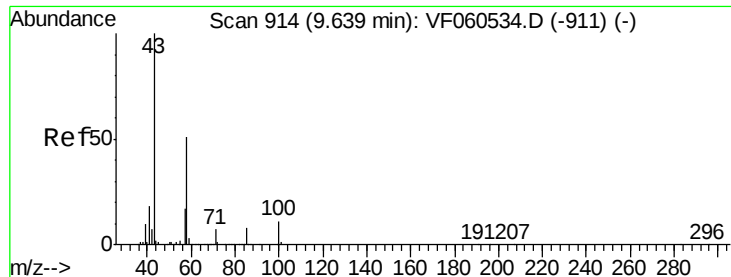
106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

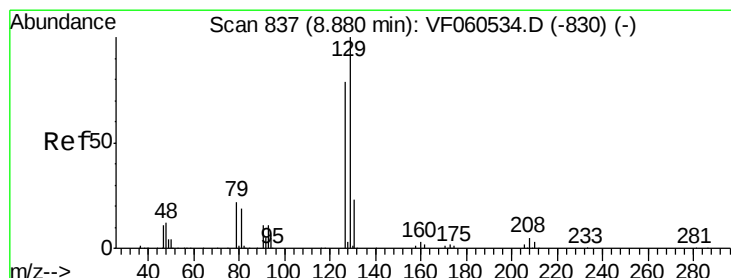
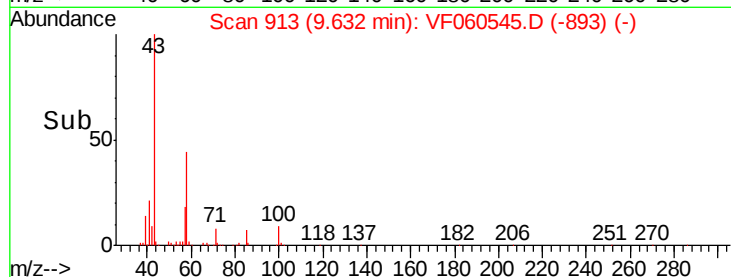
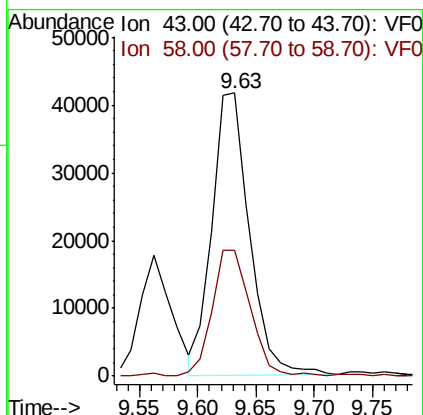
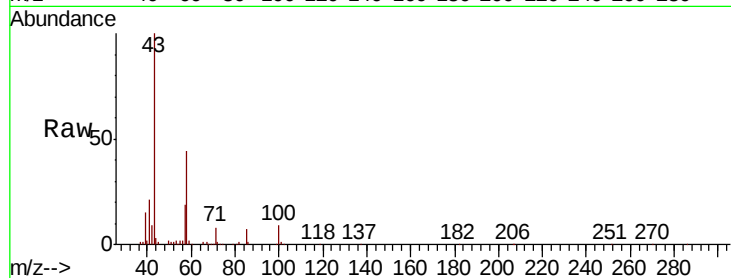




#59
2-Hexanone
Concen: 101.936 ug/l
RT: 9.63 min Scan# 913
Delta R.T. -0.01 min
Lab File: VF060545.D
Acq: 30 Oct 2018 15:22

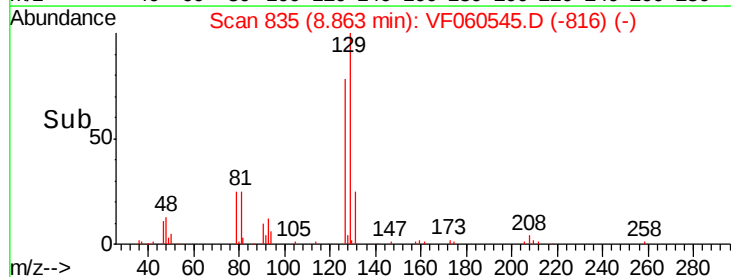
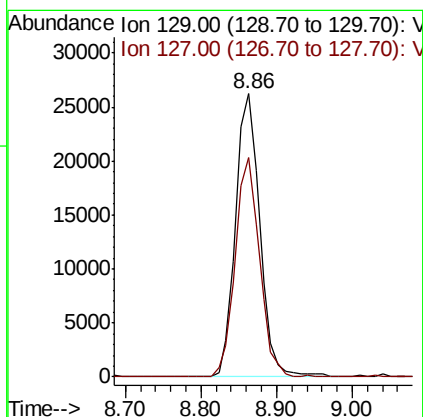
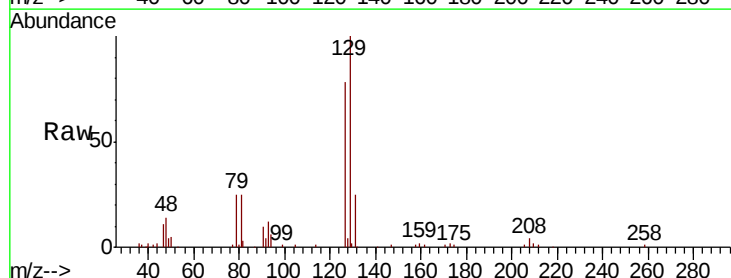
Instrument :
MSVOA_F
ClientSampleId :
VF1030SBS01

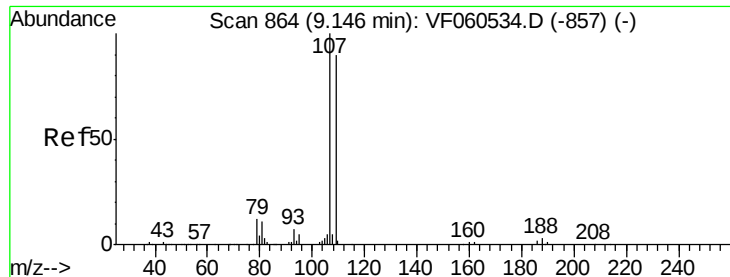
Tot Ion: 43 Resp: 92648
Ion Ratio Lower Upper
43 100
58 44.3 24.1 72.3



#60
Dibromochloromethane
Concen: 22.345 ug/l
RT: 8.86 min Scan# 835
Delta R.T. -0.02 min
Lab File: VF060545.D
Acq: 30 Oct 2018 15:22

Tgt Ion: 129 Resp: 57980
Ion Ratio Lower Upper
129 100
127 75.9 39.6 119.0





#61

1,2-Dibromoethane

Concen: 18.825 ug/l

RT: 9.14 min Scan# 863

Delta R.T. -0.01 min

Lab File: VF060545.D

Acq: 30 Oct 2018 15:22

Instrument :

MSVOA_F

ClientSampleId :

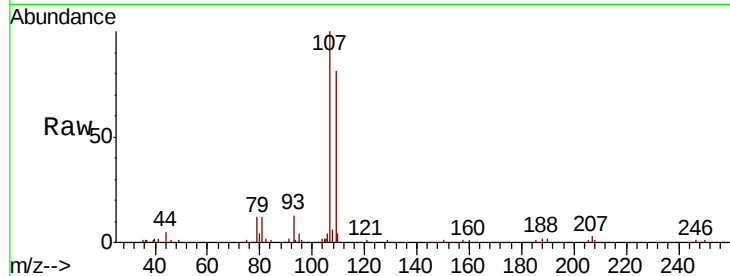
VF1030SBS01

Tot Ion:107 Resp: 35107

Ion Ratio Lower Upper

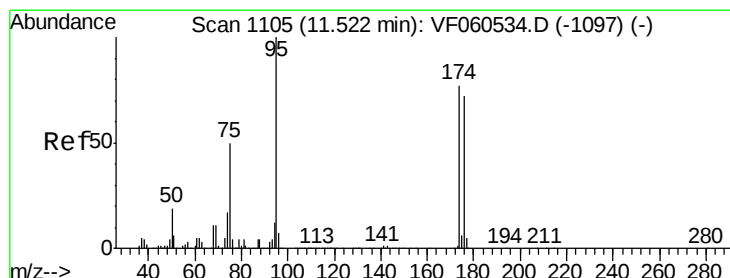
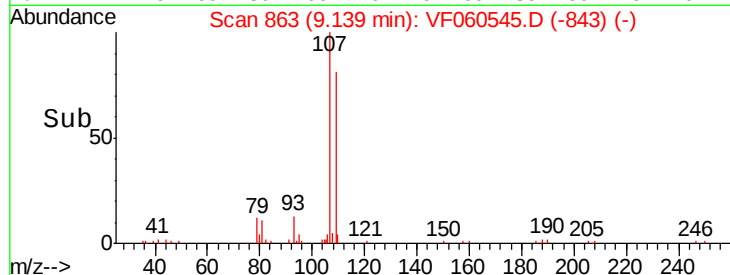
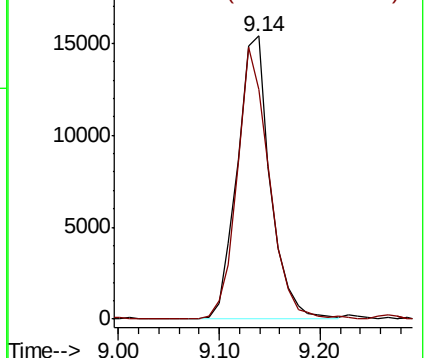
107 100

109 81.2 72.2 108.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 45.872 ug/l

RT: 11.50 min Scan# 1103

Delta R.T. -0.02 min

Lab File: VF060545.D

Acq: 30 Oct 2018 15:22

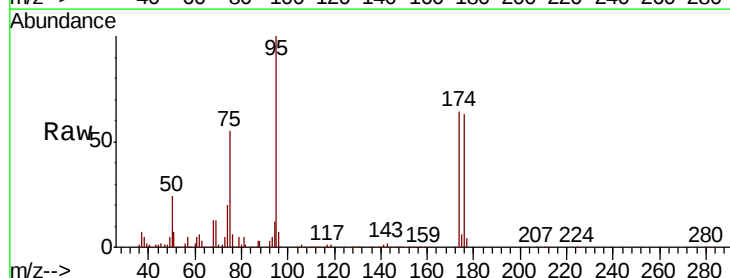
Tgt Ion: 95 Resp: 165980

Ion Ratio Lower Upper

95 100

174 63.9 0.0 153.8

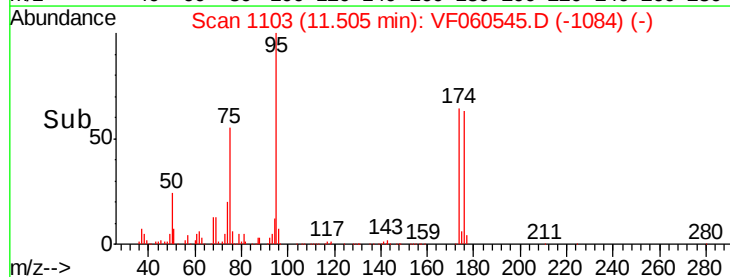
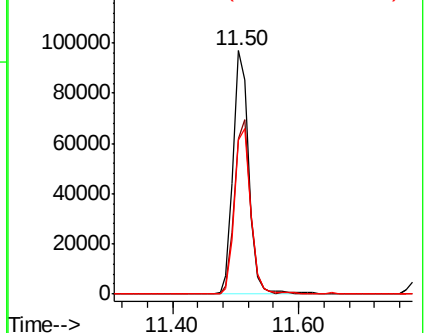
176 63.1 0.0 143.6

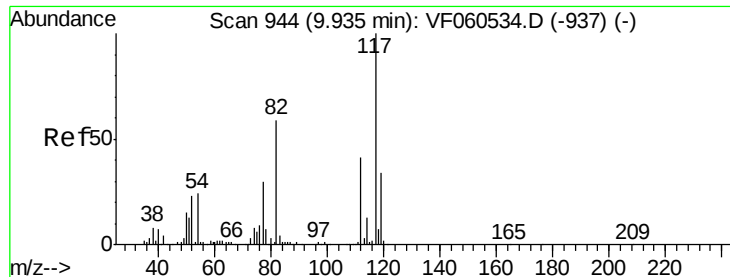


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

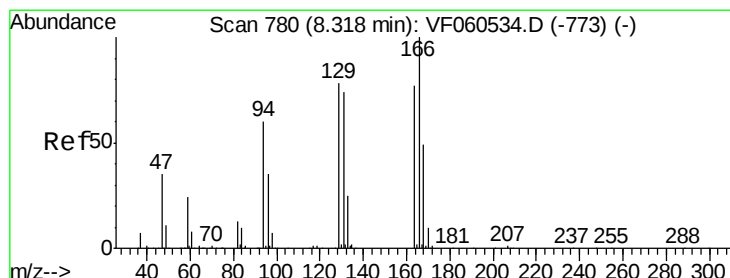
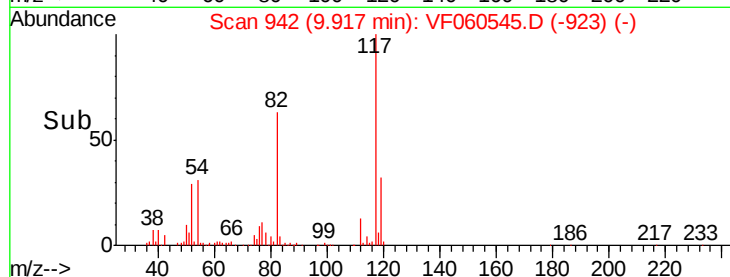
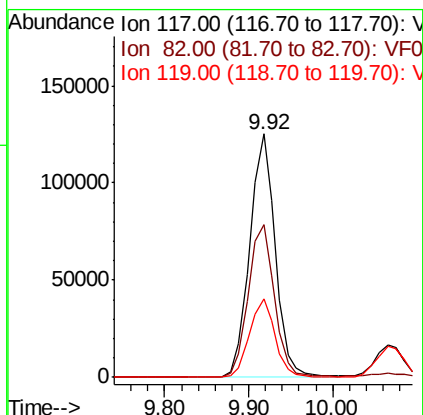
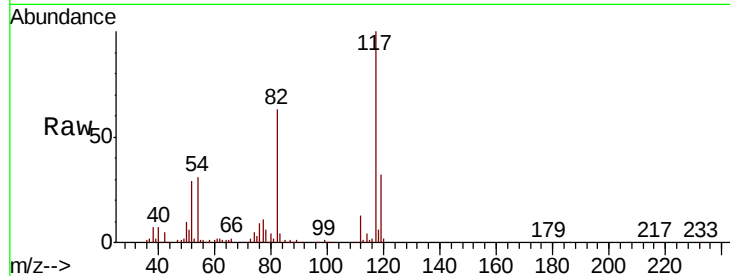




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 942
Delta R.T. -0.02 min
Lab File: VF060545.D
Acq: 30 Oct 2018 15:22

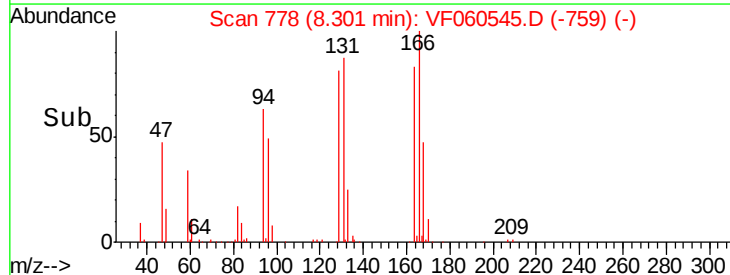
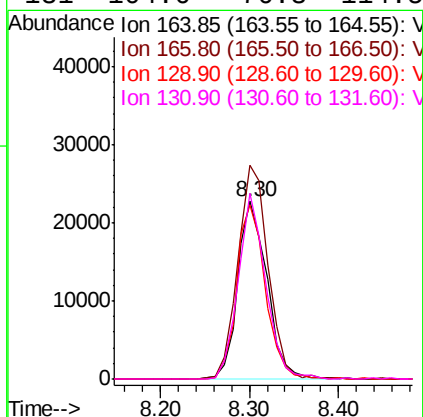
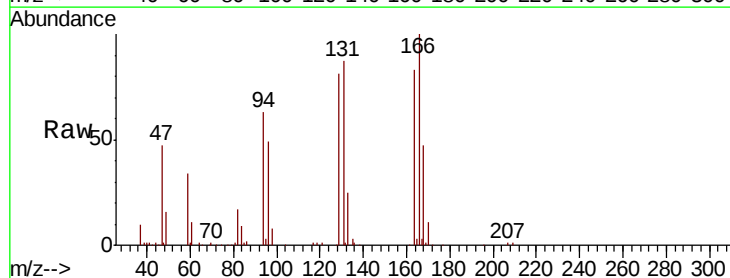
Instrument :
MSVOA_F
ClientSampleId :
VF1030SBS01

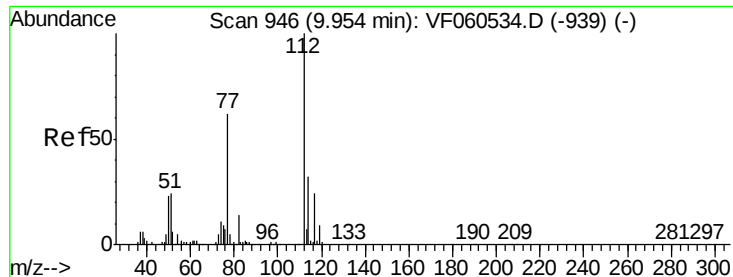
Tot Ion	Ratio	Lower	Upper
117	100		
82	62.9	47.6	71.4
119	32.2	27.3	40.9



#64
Tetrachloroethene
Concen: 23.019 ug/l
RT: 8.30 min Scan# 778
Delta R.T. -0.02 min
Lab File: VF060545.D
Acq: 30 Oct 2018 15:22

Tgt Ion	Ratio	Lower	Upper
164	100		
166	120.2	103.4	155.2
129	97.9	80.7	121.1
131	104.6	76.3	114.5

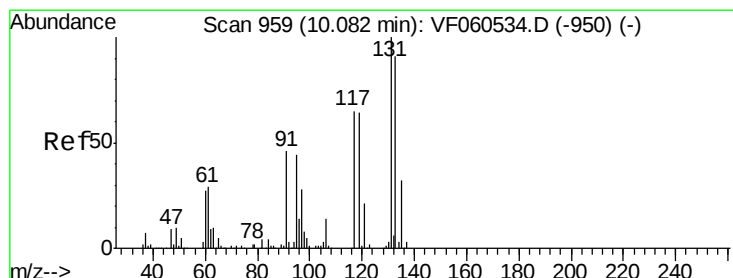
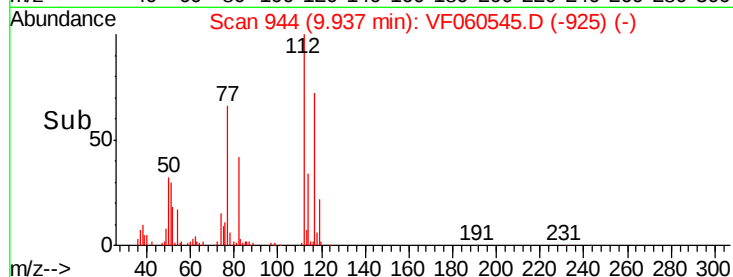
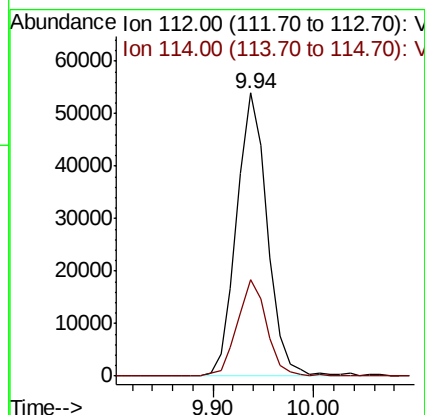
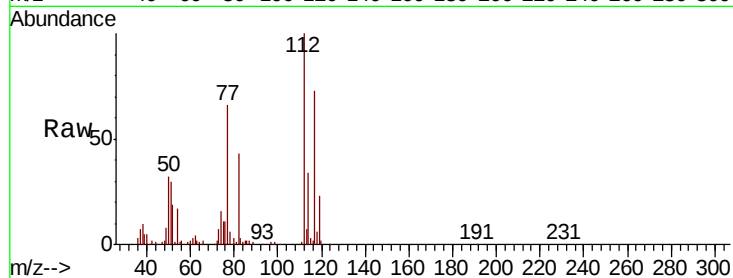




#65
Chlorobenzene
Concen: 21.338 ug/l
RT: 9.94 min Scan# 944
Delta R.T. -0.02 min
Lab File: VF060545.D
Acq: 30 Oct 2018 15:22

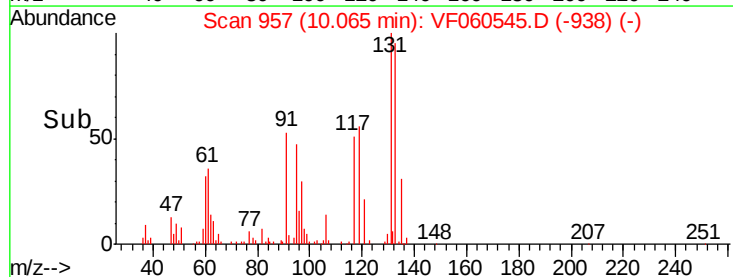
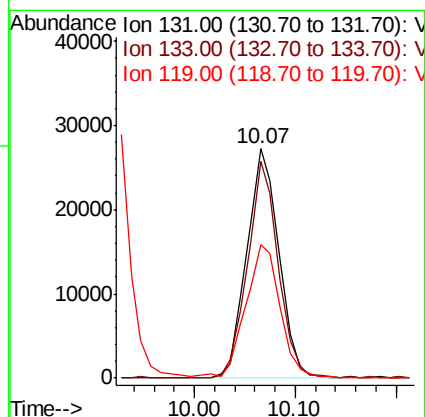
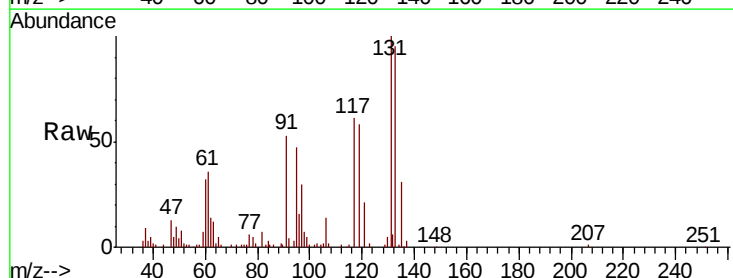
Instrument :
MSVOA_F
ClientSampleId :
VF1030SBS01

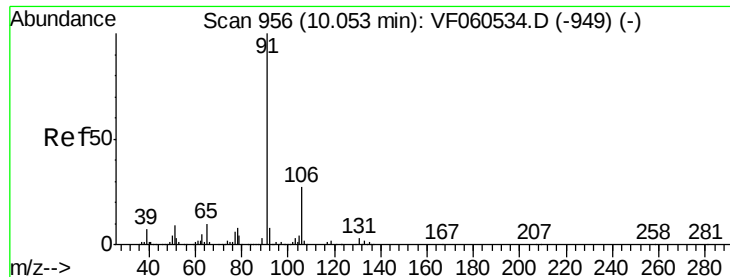
Tot Ion:112 Resp: 114582
Ion Ratio Lower Upper
112 100
114 34.2 25.5 38.3



#66
1,1,1,2-Tetrachloroethane
Concen: 24.691 ug/l
RT: 10.07 min Scan# 957
Delta R.T. -0.02 min
Lab File: VF060545.D
Acq: 30 Oct 2018 15:22

Tgt Ion:131 Resp: 60418
Ion Ratio Lower Upper
131 100
133 94.8 45.8 137.3
119 58.0 32.4 97.0

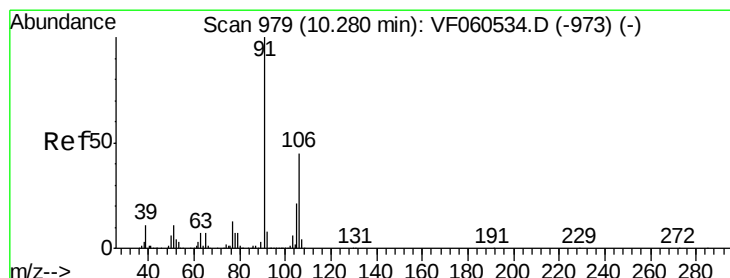
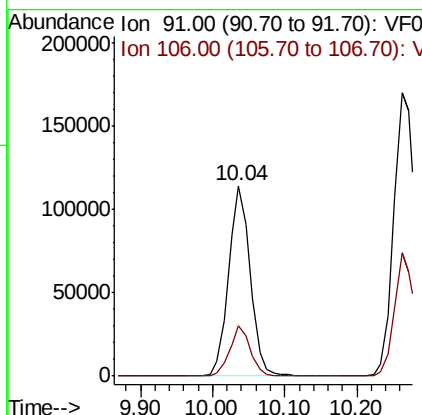
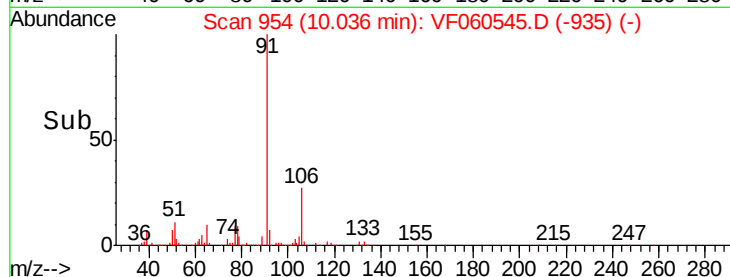
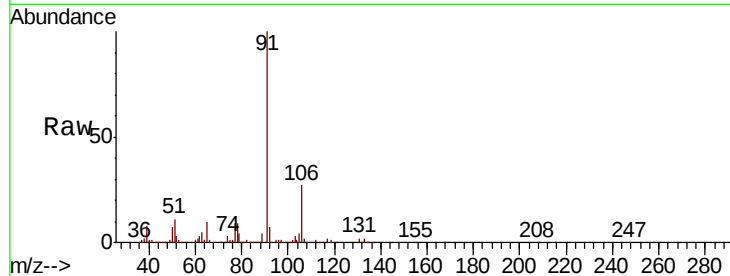




#67
Ethyl Benzene
Concen: 23.269 ug/l
RT: 10.04 min Scan# 954
Delta R.T. -0.02 min
Lab File: VF060545.D
Acq: 30 Oct 2018 15:22

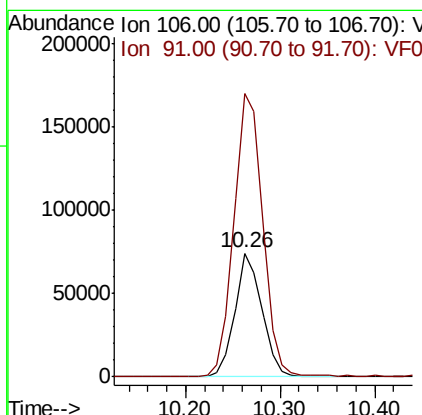
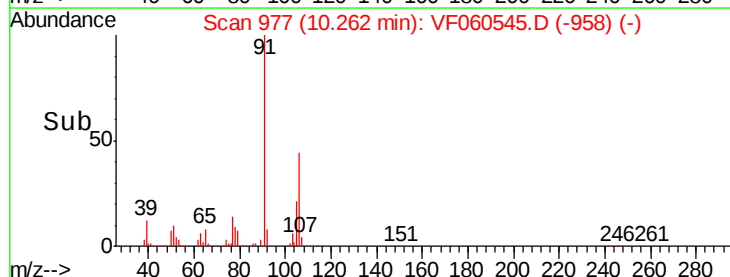
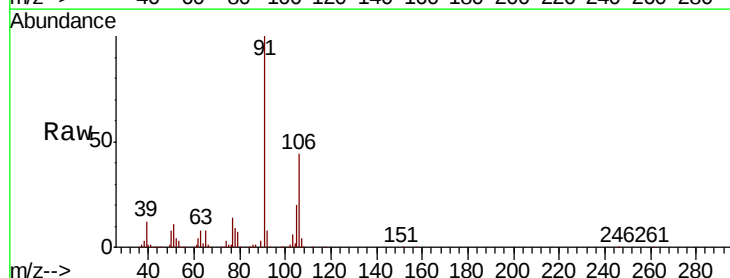
Instrument :
MSVOA_F
ClientSampleId :
VF1030SBS01

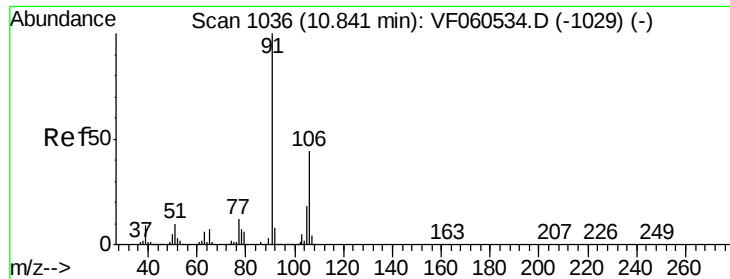
Tot Ion: 91 Resp: 238751
Ion Ratio Lower Upper
91 100
106 26.6 21.9 32.9



#68
m/p-Xylenes
Concen: 41.967 ug/l
RT: 10.26 min Scan# 977
Delta R.T. -0.02 min
Lab File: VF060545.D
Acq: 30 Oct 2018 15:22

Tgt Ion: 106 Resp: 147057
Ion Ratio Lower Upper
106 100
91 229.0 176.2 264.2

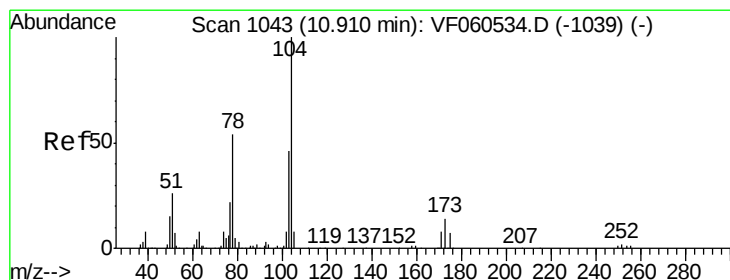
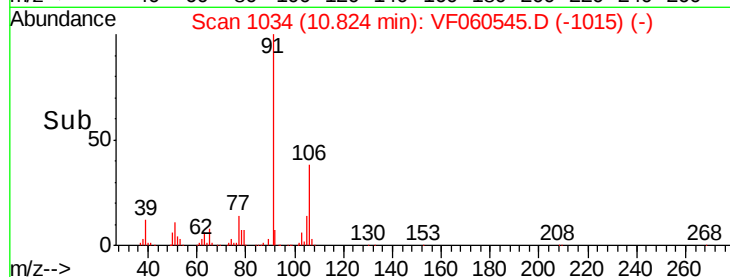
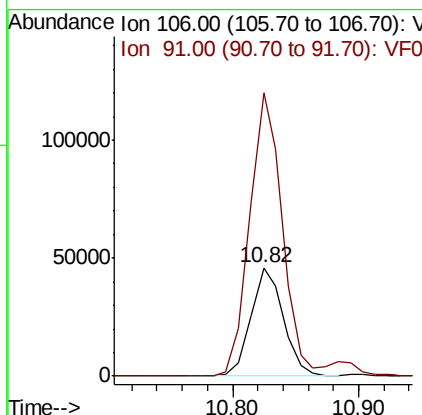
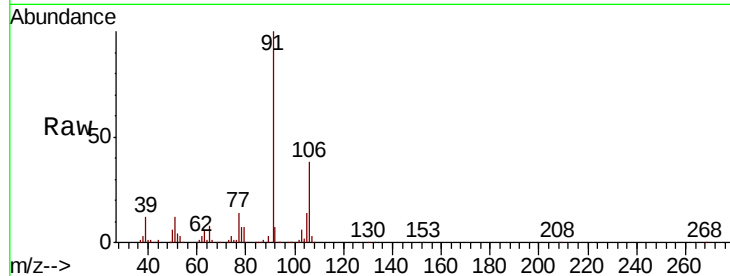




#69
o-Xylene
Concen: 20.938 ug/l
RT: 10.82 min Scan# 1034
Delta R.T. -0.02 min
Lab File: VF060545.D
Acq: 30 Oct 2018 15:22

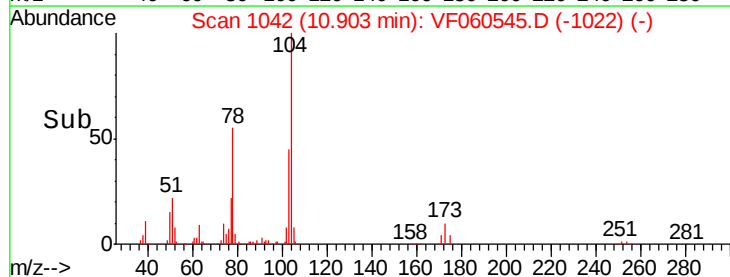
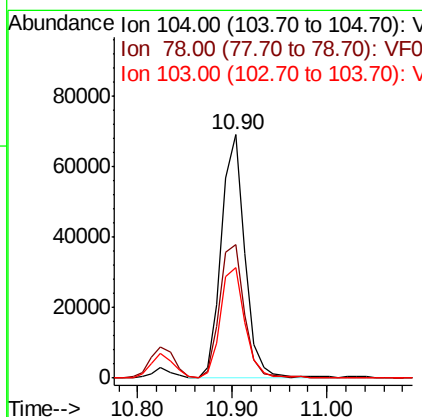
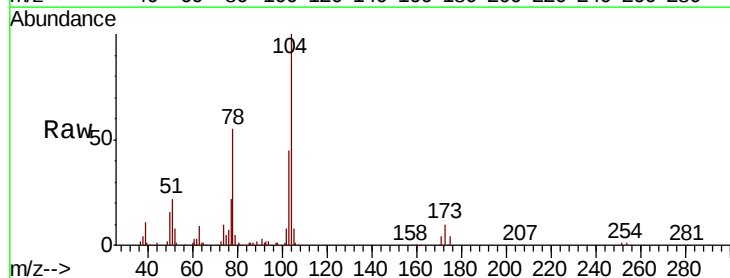
Instrument :
MSVOA_F
ClientSampleId :
VF1030SBS01

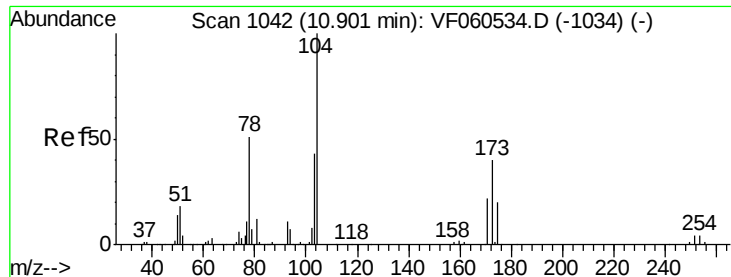
Tot Ion:106 Resp: 82627
Ion Ratio Lower Upper
106 100
91 260.8 112.9 338.8



#70
Styrene
Concen: 21.353 ug/l
RT: 10.90 min Scan# 1042
Delta R.T. -0.01 min
Lab File: VF060545.D
Acq: 30 Oct 2018 15:22

Tgt Ion:104 Resp: 118800
Ion Ratio Lower Upper
104 100
78 54.8 43.4 65.2
103 45.2 36.9 55.3





#71

Bromoform

Concen: 24.251 ug/l

RT: 10.88 min Scan# 1040

Delta R.T. -0.02 min

Lab File: VF060545.D

Acq: 30 Oct 2018 15:22

Instrument :

MSVOA_F

ClientSampleId :

VF1030SBS01

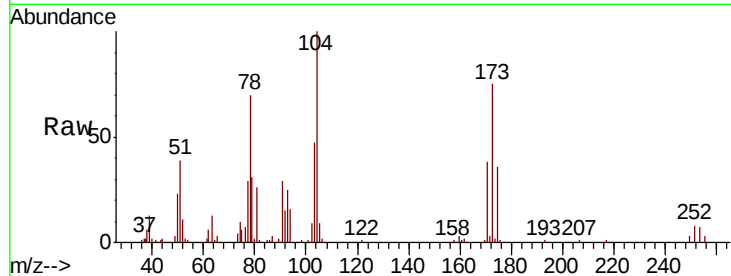
Tot Ion:173 Resp: 30608

Ion Ratio Lower Upper

173 100

175 46.7 25.7 77.0

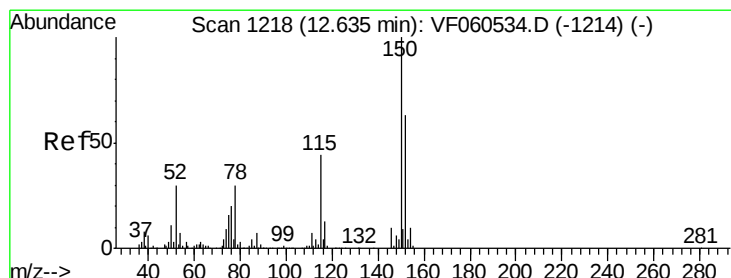
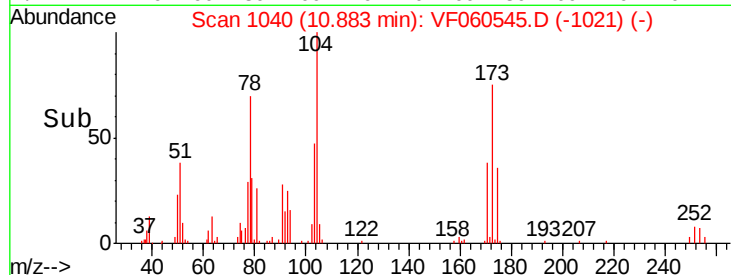
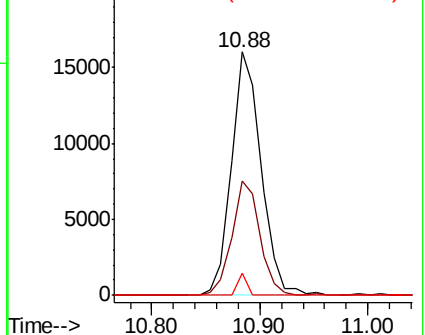
254 9.0 7.8 11.6



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.63 min Scan# 1217

Delta R.T. -0.01 min

Lab File: VF060545.D

Acq: 30 Oct 2018 15:22

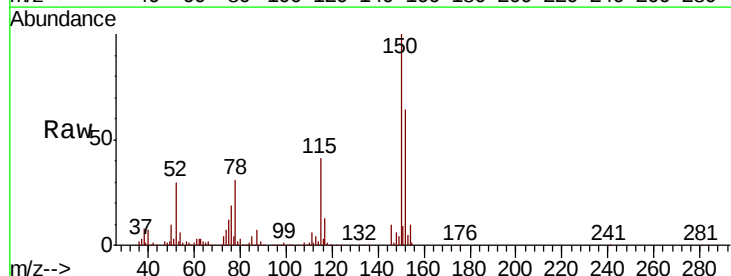
Tgt Ion:152 Resp: 167569

Ion Ratio Lower Upper

152 100

115 63.0 34.7 104.1

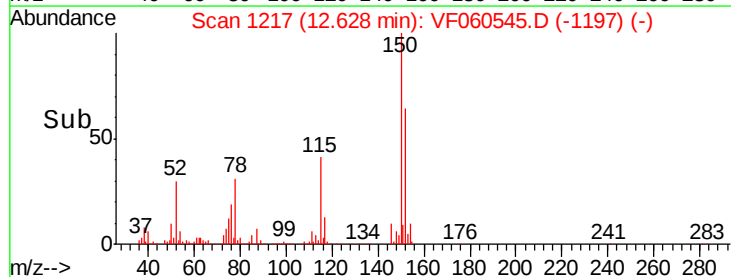
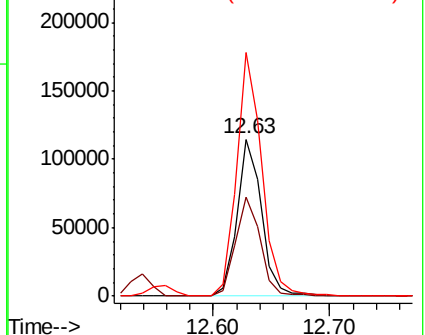
150 155.2 0.0 318.4

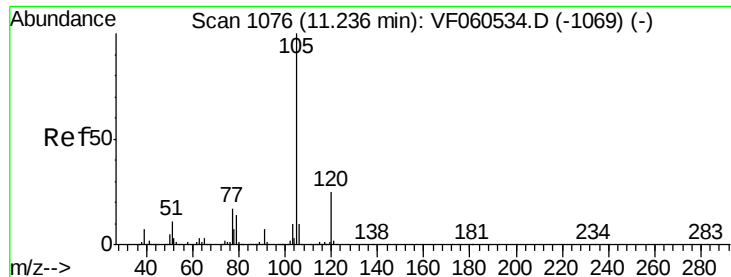


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 21.782 ug/l

RT: 11.23 min Scan# 1075

Delta R.T. -0.01 min

Lab File: VF060545.D

Acq: 30 Oct 2018 15:22

Instrument :

MSVOA_F

ClientSampleId :

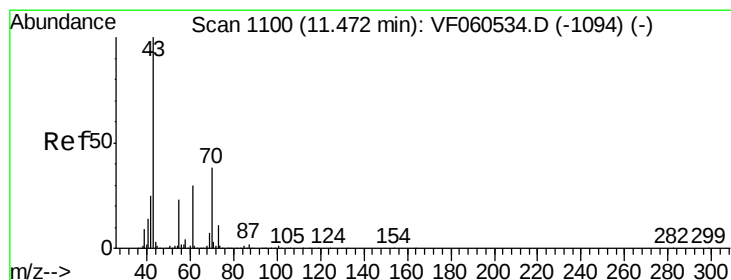
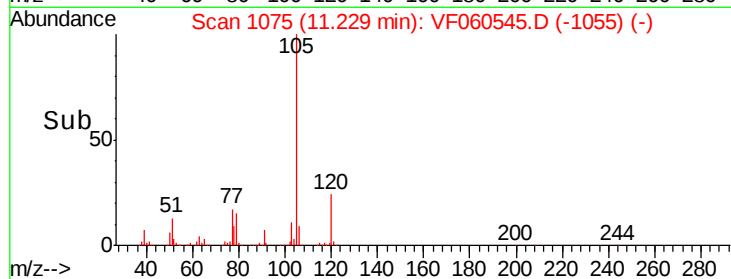
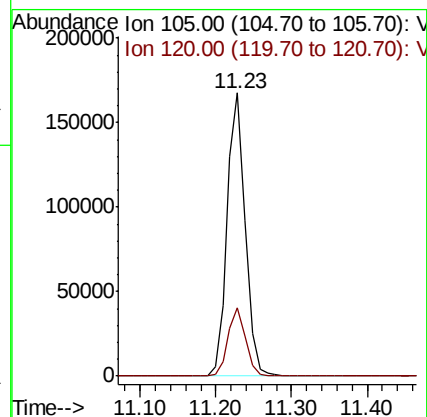
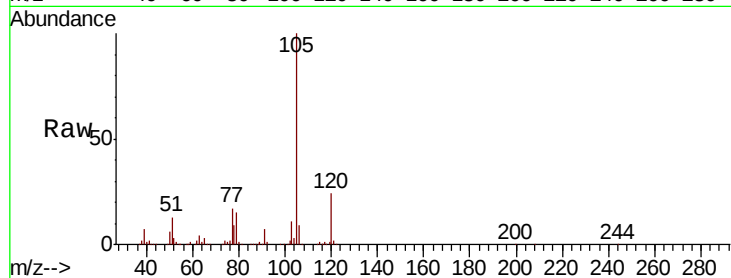
VF1030SBS01

Tot Ion:105 Resp: 279017

Ion Ratio Lower Upper

105 100

120 24.2 12.3 36.8



#74

N-ethyl acetate

Concen: 17.389 ug/l

RT: 11.47 min Scan# 1099

Delta R.T. -0.01 min

Lab File: VF060545.D

Acq: 30 Oct 2018 15:22

Tgt Ion: 43 Resp: 44606

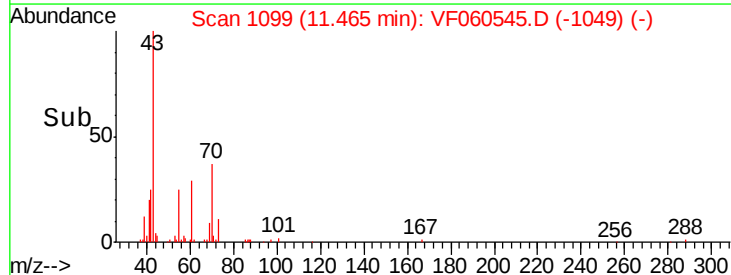
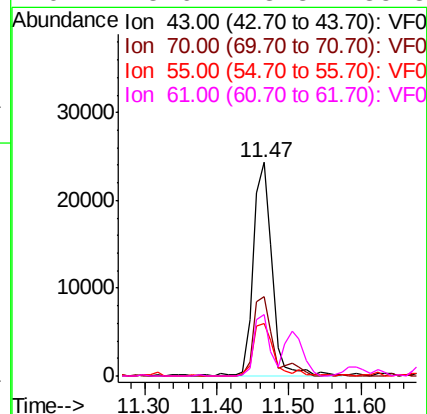
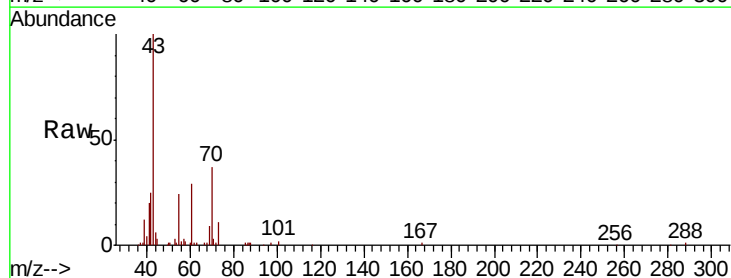
Ion Ratio Lower Upper

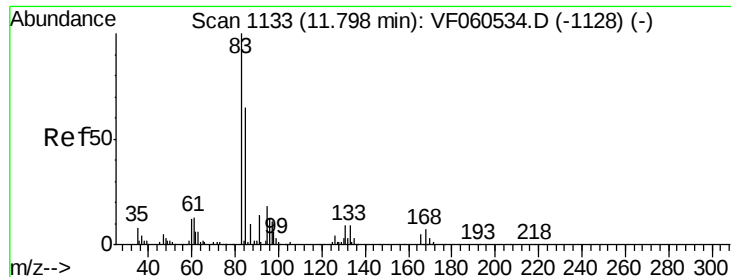
43 100

70 37.0 30.8 46.2

55 24.4 18.2 27.4

61 28.6 23.8 35.8





#75

1,1,2,2-Tetrachloroethane

Concen: 19.193 ug/l

RT: 11.78 min Scan# 1131

Delta R.T. -0.02 min

Lab File: VF060545.D

Acq: 30 Oct 2018 15:22

Instrument :

MSVOA_F

ClientSampleId :

VF1030SBS01

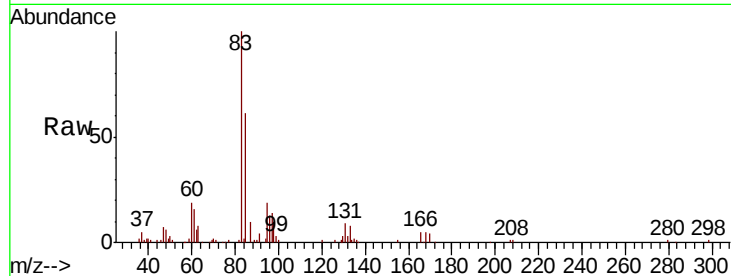
Tot Ion: 83 Resp: 41025

Ion Ratio Lower Upper

83 100

131 9.0 4.7 14.0

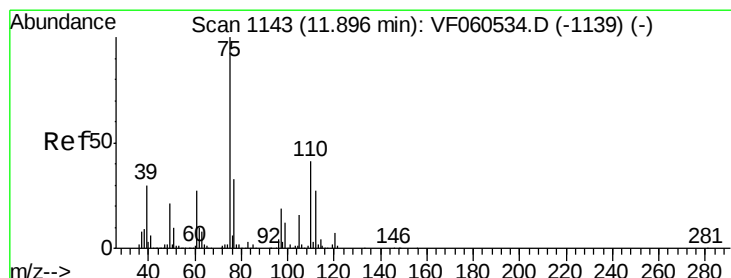
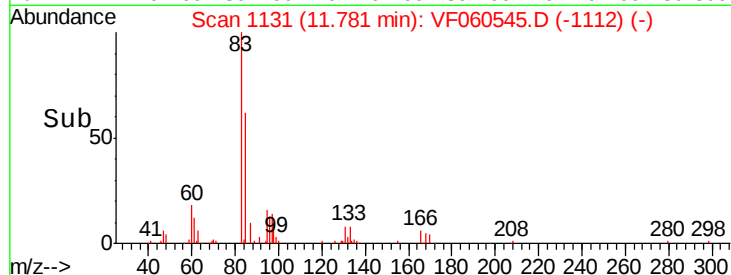
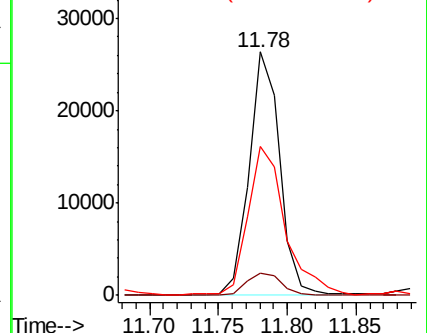
85 61.0 32.4 97.0



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 21.608 ug/l

RT: 11.88 min Scan# 1141

Delta R.T. -0.02 min

Lab File: VF060545.D

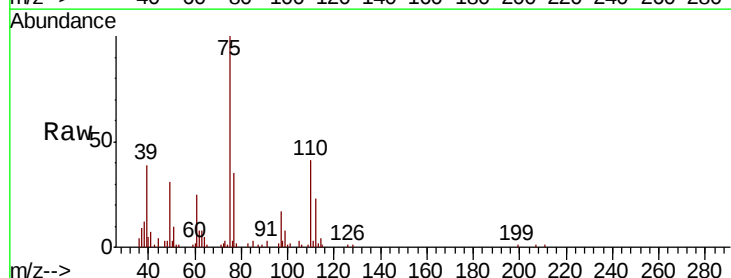
Acq: 30 Oct 2018 15:22

Tgt Ion: 75 Resp: 34744

Ion Ratio Lower Upper

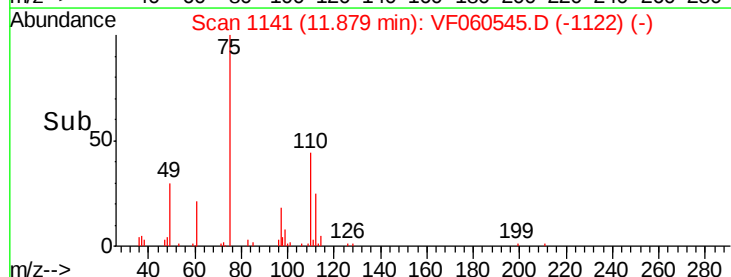
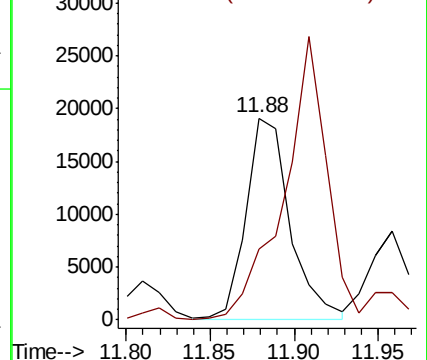
75 100

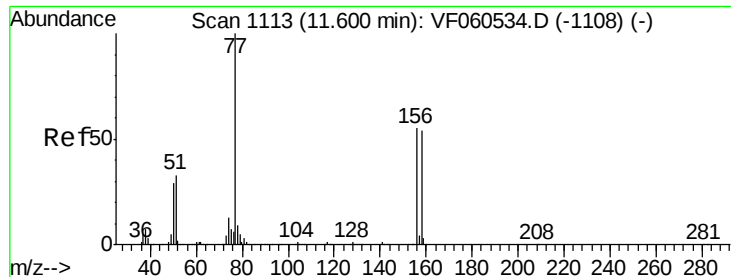
77 35.4 16.7 50.1



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 20.287 ug/l

RT: 11.59 min Scan# 1112

Delta R.T. -0.01 min

Lab File: VF060545.D

Acq: 30 Oct 2018 15:22

Instrument :

MSVOA_F

ClientSampleId :

VF1030SBS01

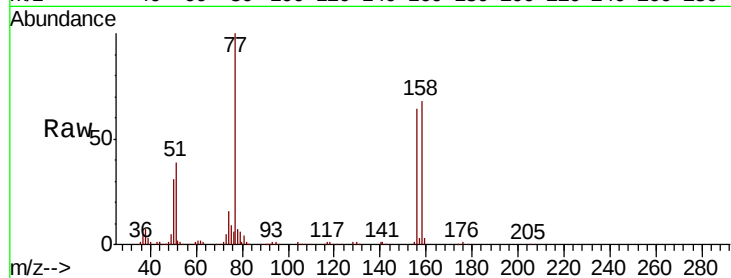
Tot Ion:156 Resp: 57175

Ion Ratio Lower Upper

156 100

77 157.3 91.3 274.1

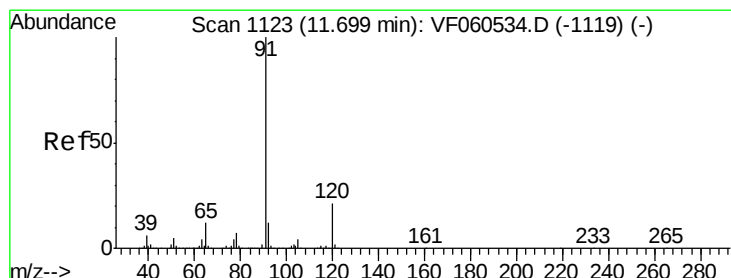
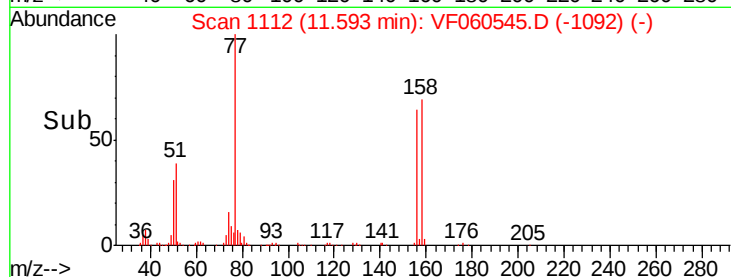
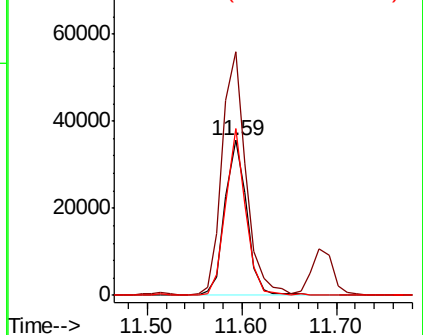
158 107.6 49.3 147.9



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: 21.307 ug/l

RT: 11.68 min Scan# 1121

Delta R.T. -0.02 min

Lab File: VF060545.D

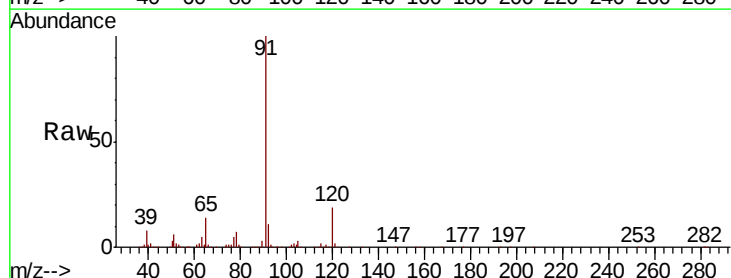
Acq: 30 Oct 2018 15:22

Tgt Ion: 91 Resp: 323721

Ion Ratio Lower Upper

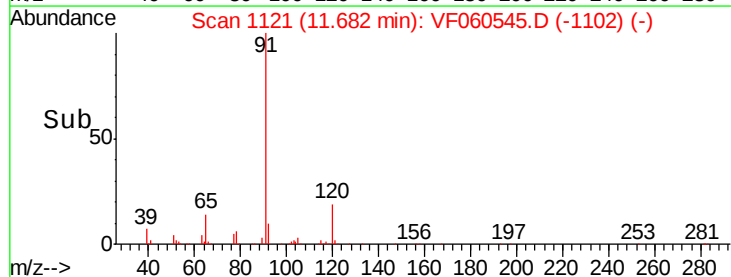
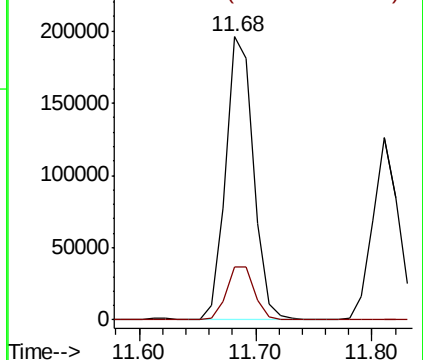
91 100

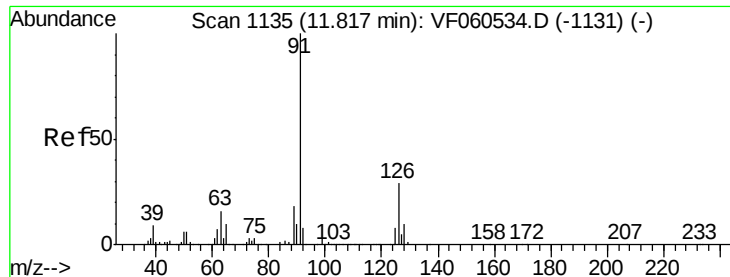
120 18.8 10.7 32.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.978 ug/l

RT: 11.81 min Scan# 1134

Delta R.T. -0.01 min

Lab File: VF060545.D

Acq: 30 Oct 2018 15:22

Instrument :

MSVOA_F

ClientSampleId :

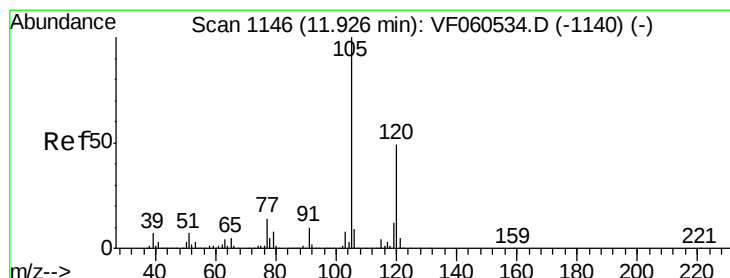
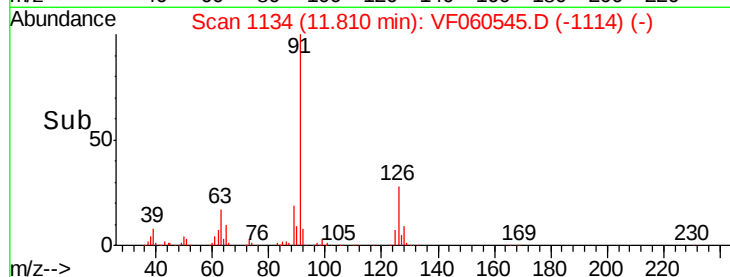
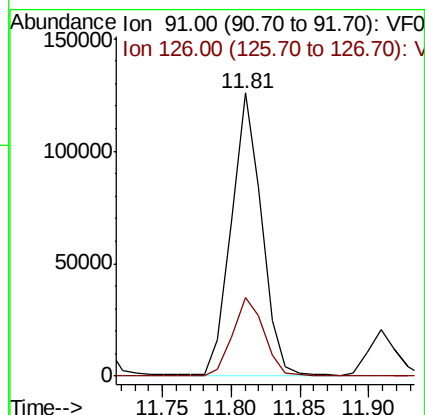
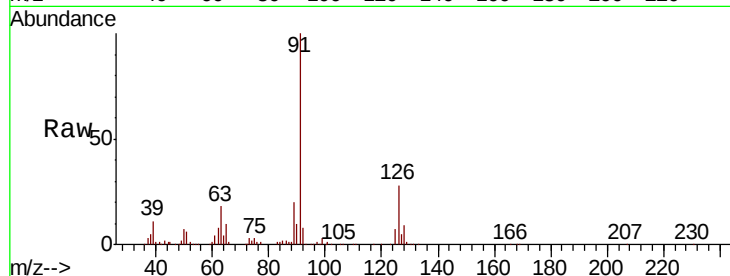
VF1030SBS01

Tot Ion: 91 Resp: 190760

Ion Ratio Lower Upper

91 100

126 27.8 14.2 42.8



#80

1,3,5-Trimethylbenzene

Concen: 22.173 ug/l

RT: 11.91 min Scan# 1144

Delta R.T. -0.02 min

Lab File: VF060545.D

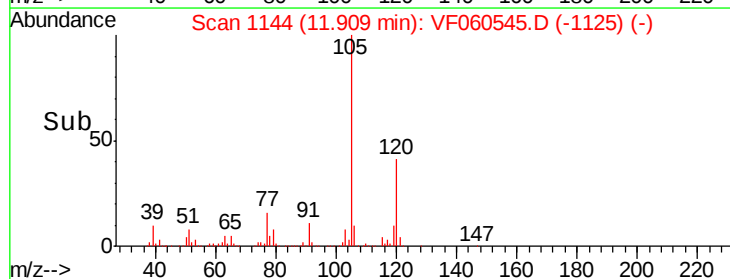
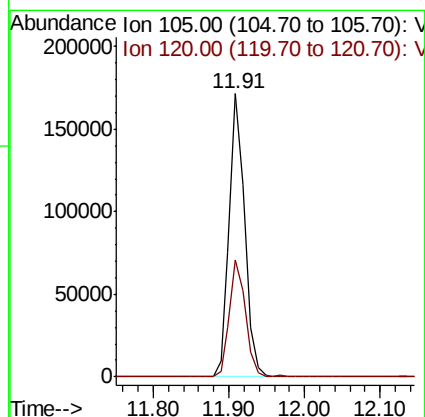
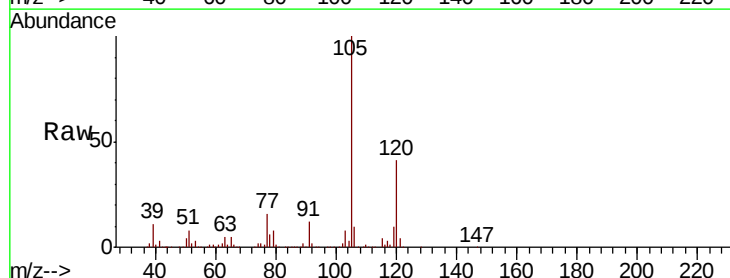
Acq: 30 Oct 2018 15:22

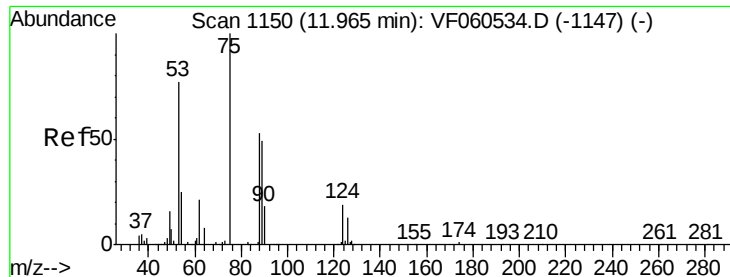
Tgt Ion:105 Resp: 245409

Ion Ratio Lower Upper

105 100

120 41.2 24.3 73.0





#81

trans-1,4-Dichloro-2-butene

Concen: 29.222 ug/l

RT: 11.96 min Scan# 1149

Delta R.T. -0.01 min

Lab File: VF060545.D

Acq: 30 Oct 2018 15:22

Instrument :

MSVOA_F

ClientSampleId :

VF1030SBS01

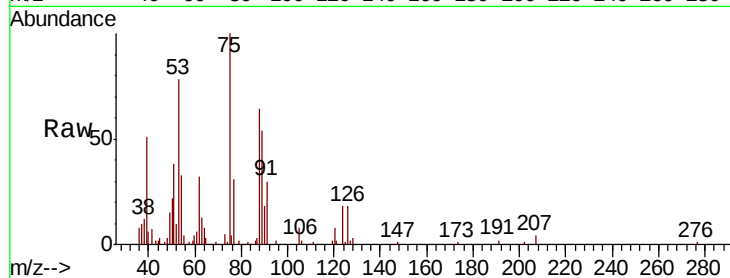
Tot Ion: 75 Resp: 20523

Ion Ratio Lower Upper

75 100

53 77.7 65.8 98.6

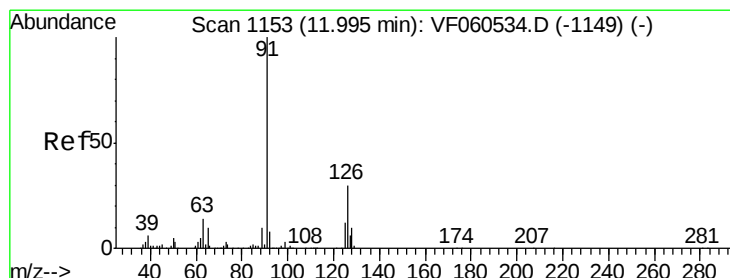
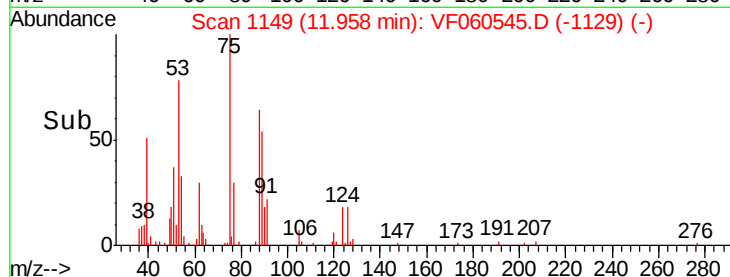
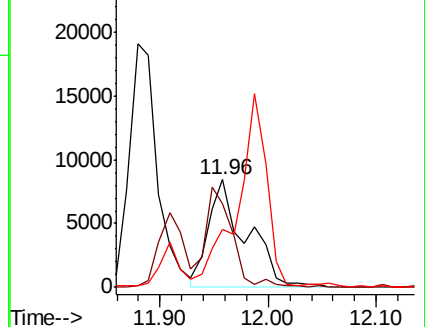
89 54.0 44.0 66.0



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: 19.957 ug/l

RT: 11.99 min Scan# 1152

Delta R.T. -0.01 min

Lab File: VF060545.D

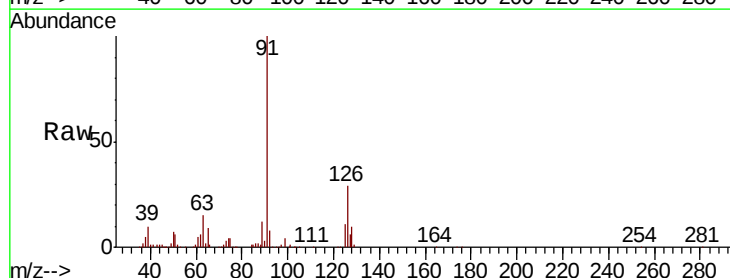
Acq: 30 Oct 2018 15:22

Tgt Ion: 91 Resp: 188162

Ion Ratio Lower Upper

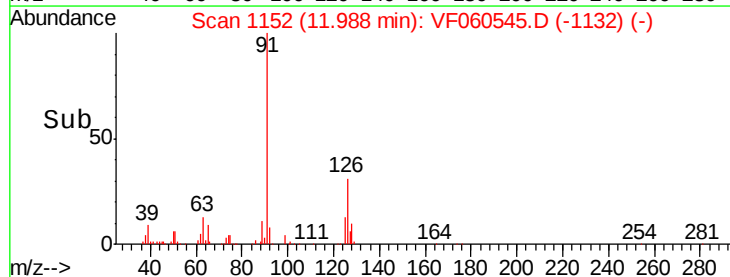
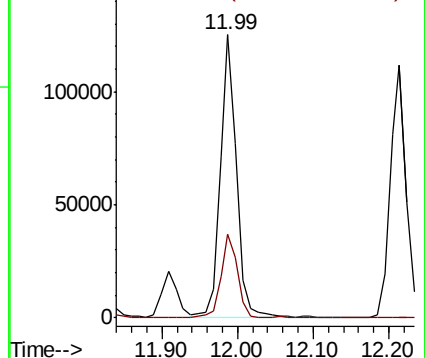
91 100

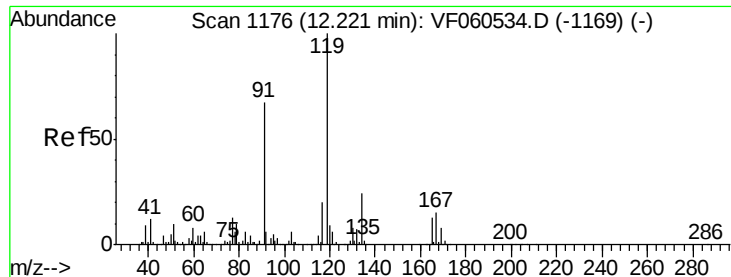
126 29.5 15.1 45.3



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V





#83

tert-Butylbenzene

Concen: 22.427 ug/l

RT: 12.21 min Scan# 1175

Delta R.T. -0.01 min

Lab File: VF060545.D

Acq: 30 Oct 2018 15:22

Instrument :

MSVOA_F

ClientSampleId :

VF1030SBS01

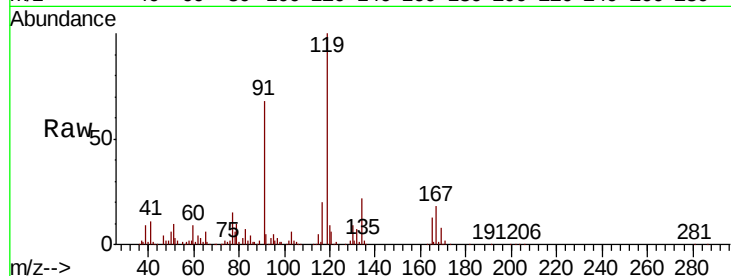
Tot Ion:119 Resp: 240545

Ion Ratio Lower Upper

119 100

91 67.9 33.6 100.8

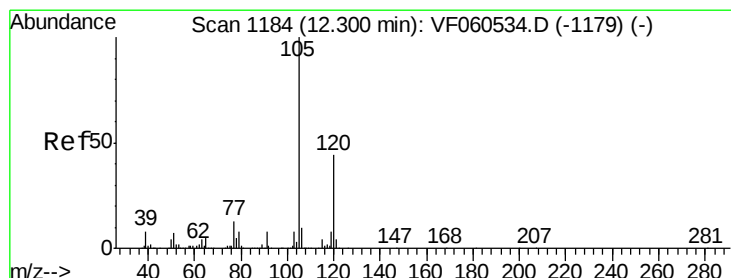
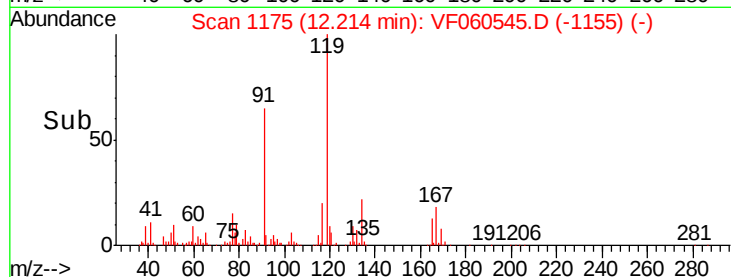
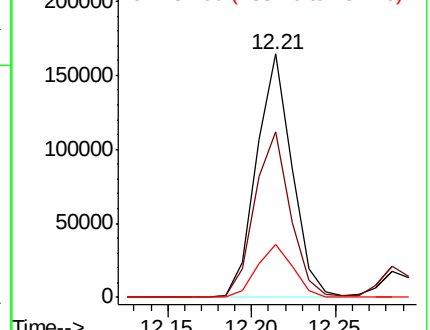
134 21.9 12.0 36.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VF0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 20.805 ug/l

RT: 12.28 min Scan# 1182

Delta R.T. -0.02 min

Lab File: VF060545.D

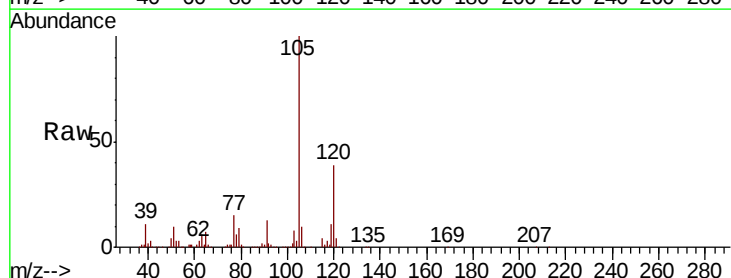
Acq: 30 Oct 2018 15:22

Tgt Ion:105 Resp: 233899

Ion Ratio Lower Upper

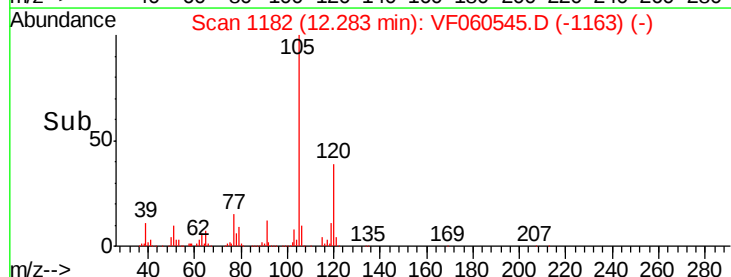
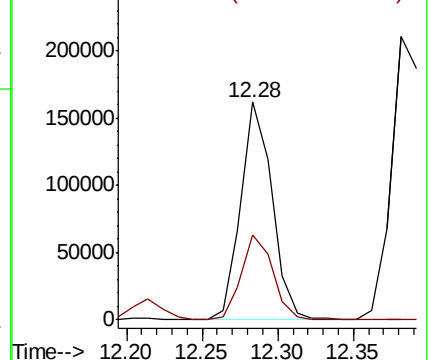
105 100

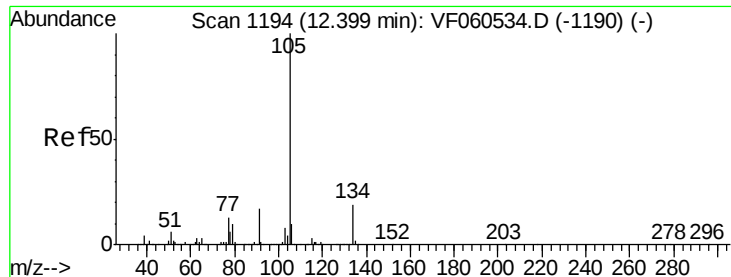
120 38.8 22.0 66.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

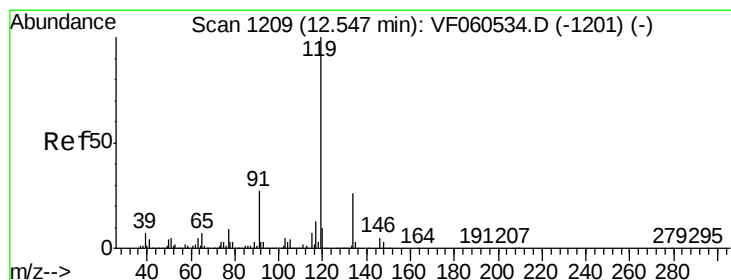
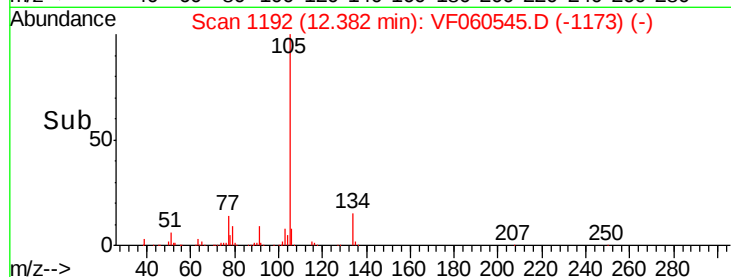
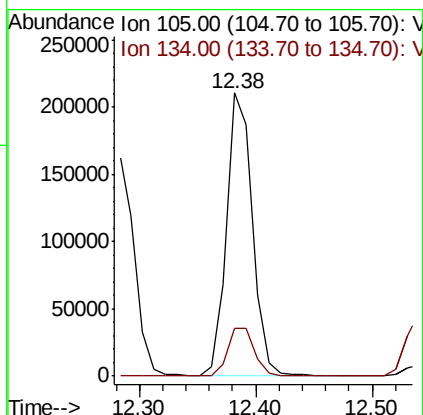
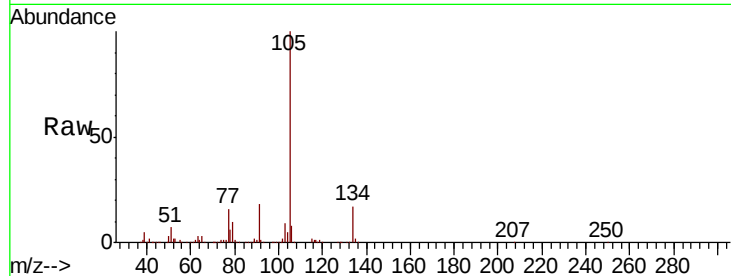




#85
 sec-Butylbenzene
 Concen: 21.474 ug/l
 RT: 12.38 min Scan# 1192
 Delta R.T. -0.02 min
 Lab File: VF060545.D
 Acq: 30 Oct 2018 15:22

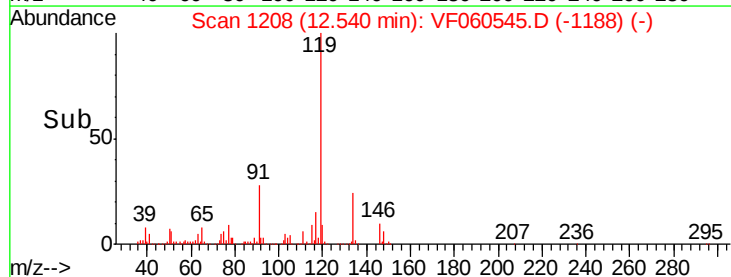
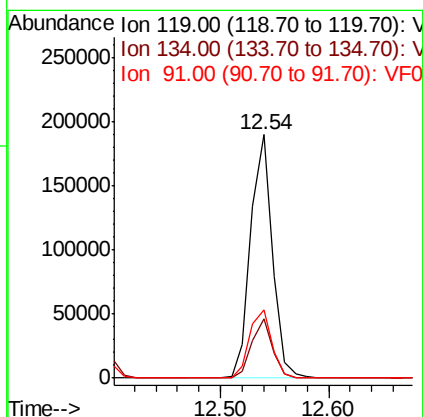
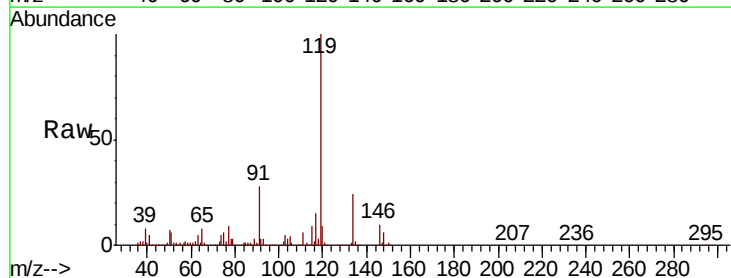
Instrument :
 MSVOA_F
 ClientSampleId :
 VF1030SBS01

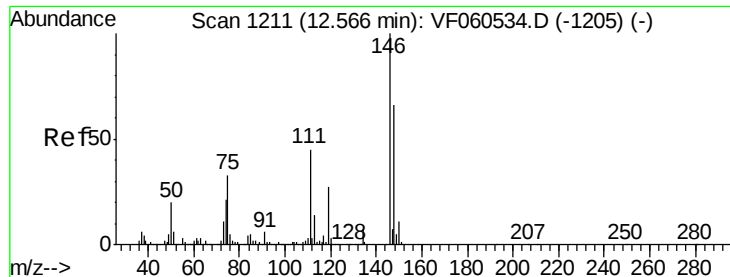
Tot Ion:105 Resp: 322786
 Ion Ratio Lower Upper
 105 100
 134 16.8 9.6 28.6



#86
 p-Isopropyltoluene
 Concen: 21.583 ug/l
 RT: 12.54 min Scan# 1208
 Delta R.T. -0.01 min
 Lab File: VF060545.D
 Acq: 30 Oct 2018 15:22

Tgt Ion:119 Resp: 266272
 Ion Ratio Lower Upper
 119 100
 134 24.3 13.1 39.1
 91 28.3 13.5 40.4

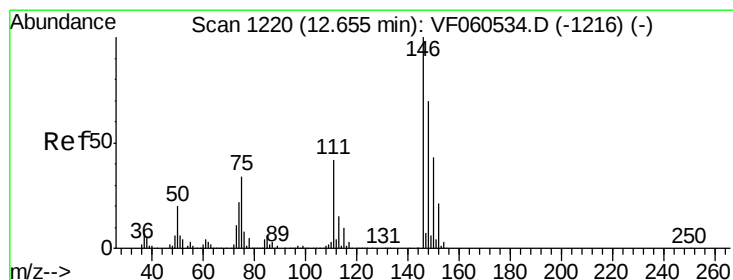
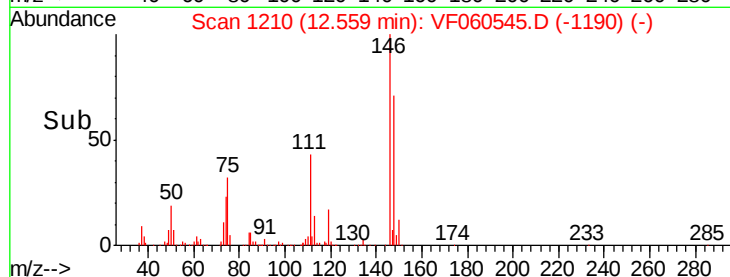
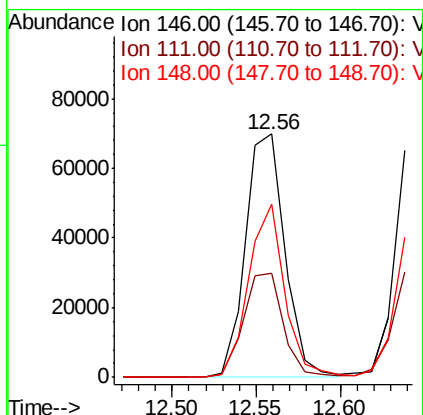
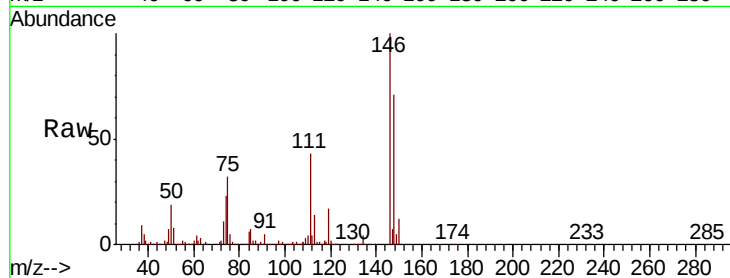




#87
 1,3-Dichlorobenzene
 Concen: 20.216 ug/l
 RT: 12.56 min Scan# 1210
 Delta R.T. -0.01 min
 Lab File: VF060545.D
 Acq: 30 Oct 2018 15:22

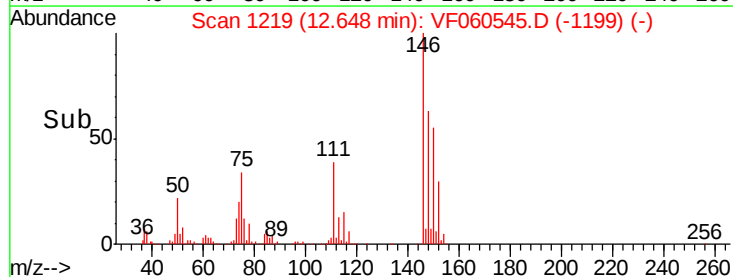
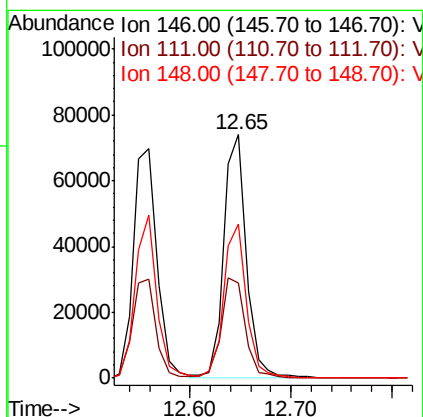
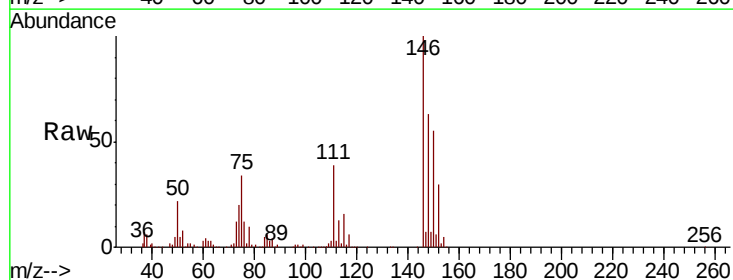
Instrument :
 MSVOA_F
 ClientSampleId :
 VF1030SBS01

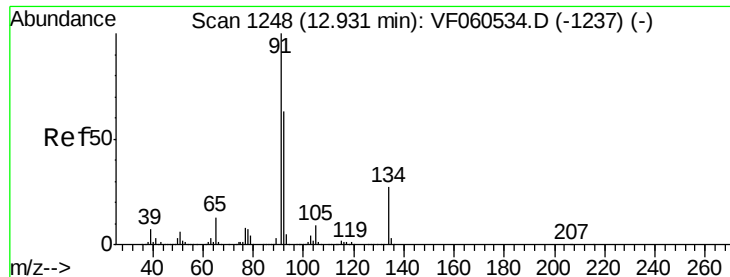
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.8	22.6	67.7
148	70.9	33.1	99.3



#88
 1,4-Dichlorobenzene
 Concen: 21.848 ug/l
 RT: 12.65 min Scan# 1219
 Delta R.T. -0.01 min
 Lab File: VF060545.D
 Acq: 30 Oct 2018 15:22

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.3	21.2	63.6
148	63.5	35.1	105.5

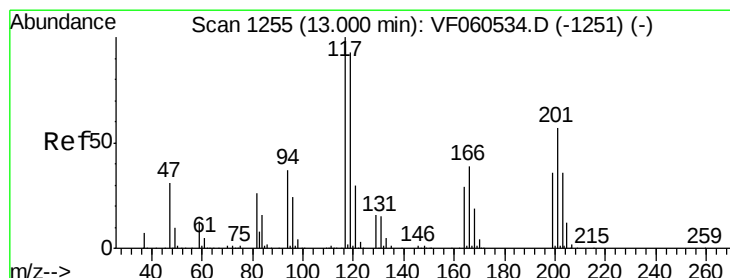
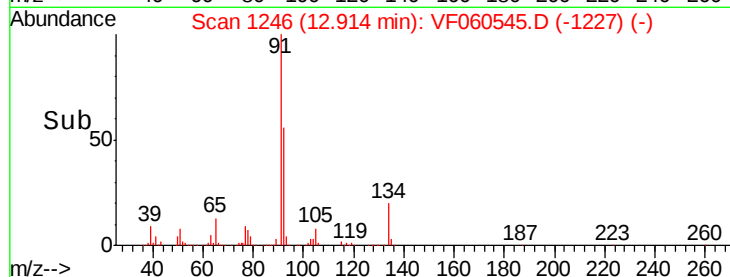
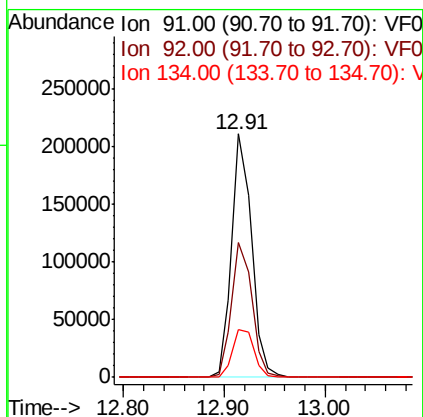
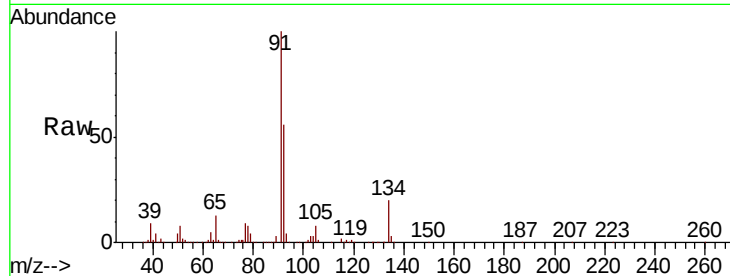




#89
n-Butylbenzene
Concen: 21.622 ug/l
RT: 12.91 min Scan# 1246
Delta R.T. -0.02 min
Lab File: VF060545.D
Acq: 30 Oct 2018 15:22

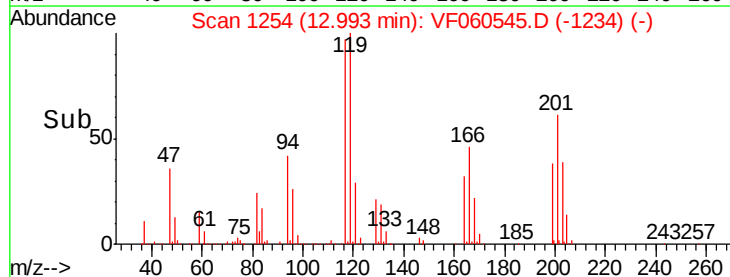
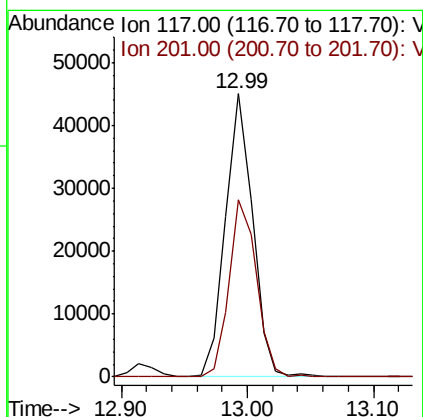
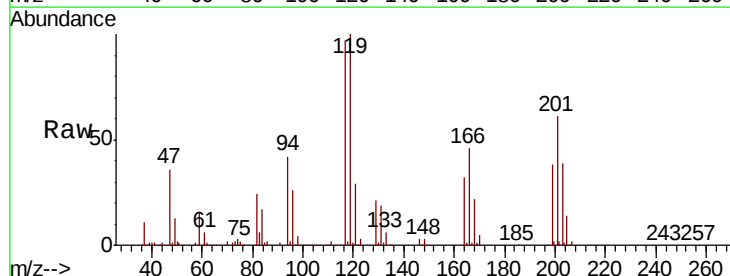
Instrument :
MSVOA_F
ClientSampleId :
VF1030SBS01

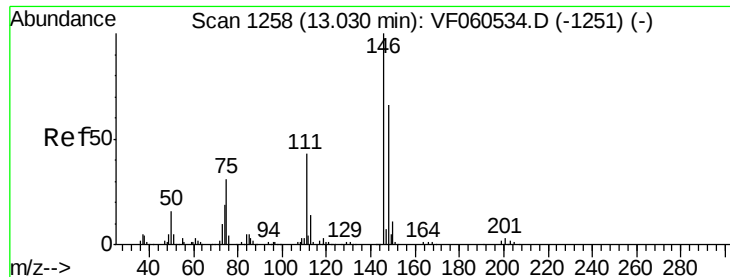
Tot Ion: 91 Resp: 290113
Ion Ratio Lower Upper
91 100
92 55.5 31.3 93.9
134 19.7 13.3 39.8



#90
Hexachloroethane
Concen: 21.167 ug/l
RT: 12.99 min Scan# 1254
Delta R.T. -0.01 min
Lab File: VF060545.D
Acq: 30 Oct 2018 15:22

Tgt Ion: 117 Resp: 67400
Ion Ratio Lower Upper
117 100
201 64.4 28.2 84.7

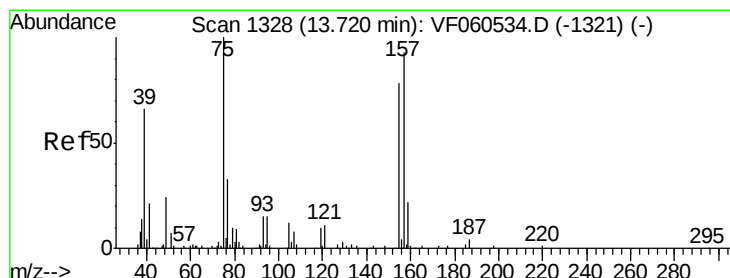
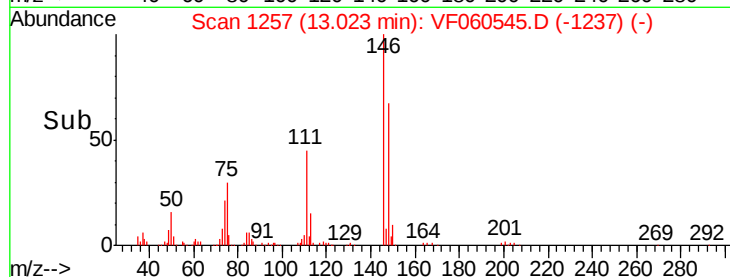
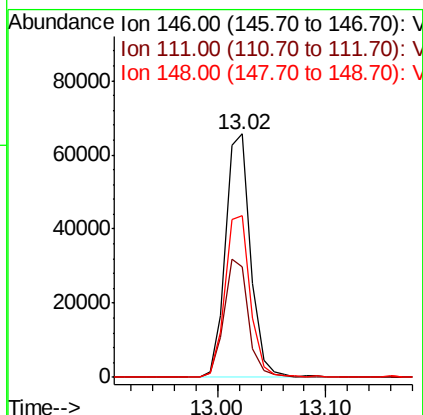
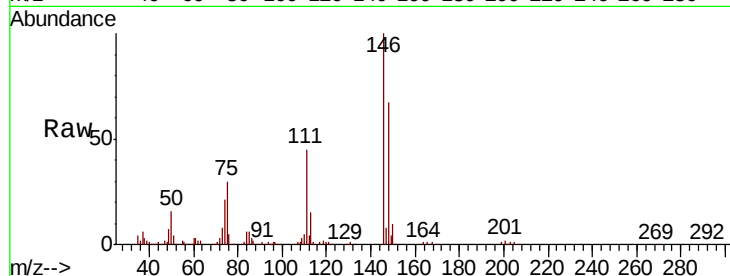




#91
 1,2-Dichlorobenzene
 Concen: 20.098 ug/l
 RT: 13.02 min Scan# 1257
 Delta R.T. -0.01 min
 Lab File: VF060545.D
 Acq: 30 Oct 2018 15:22

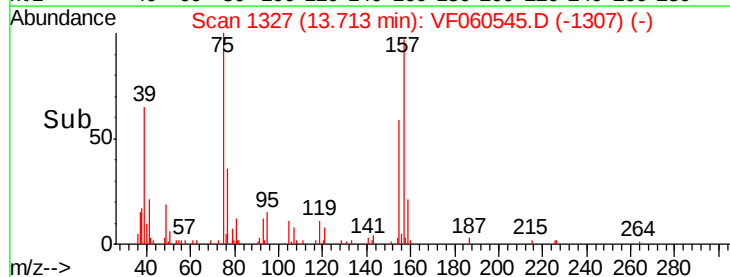
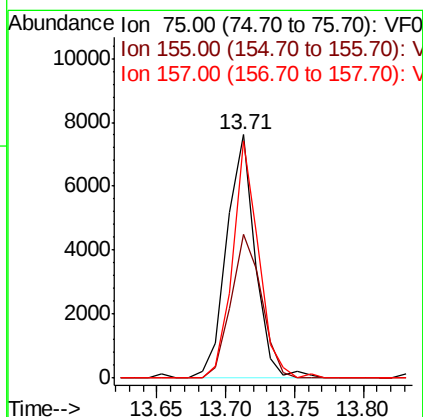
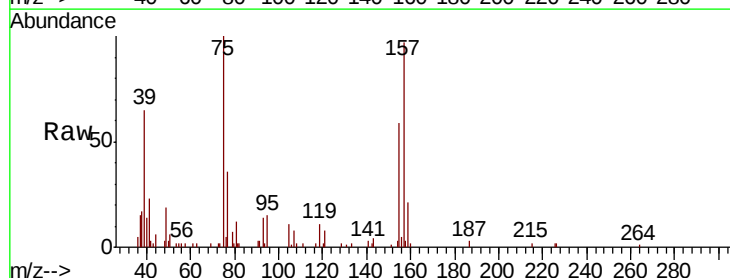
Instrument :
 MSVOA_F
 ClientSampleId :
 VF1030SBS01

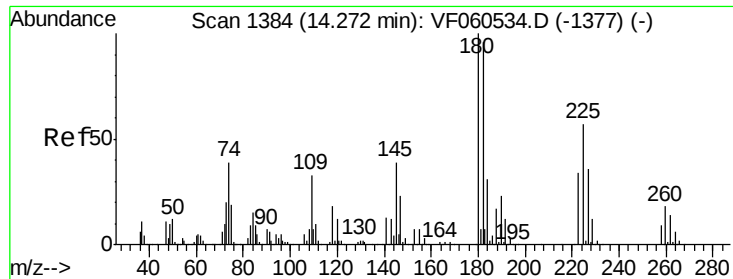
Tot Ion:146 Resp: 106521
 Ion Ratio Lower Upper
 146 100
 111 45.5 21.5 64.5
 148 66.5 33.1 99.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 24.701 ug/l
 RT: 13.71 min Scan# 1327
 Delta R.T. -0.01 min
 Lab File: VF060545.D
 Acq: 30 Oct 2018 15:22

Tgt Ion: 75 Resp: 10947
 Ion Ratio Lower Upper
 75 100
 155 59.2 40.8 122.5
 157 97.3 46.5 139.5





#93

1,2,4-Trichlorobenzene

Concen: 22.385 ug/l

RT: 14.26 min Scan# 1383

Delta R.T. -0.01 min

Lab File: VF060545.D

Acq: 30 Oct 2018 15:22

Instrument :

MSVOA_F

ClientSampleId :

VF1030SBS01

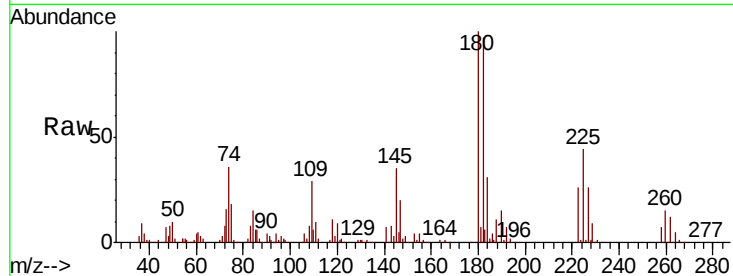
Tot Ion:180 Resp: 88866

Ion Ratio Lower Upper

180 100

182 96.5 48.1 144.3

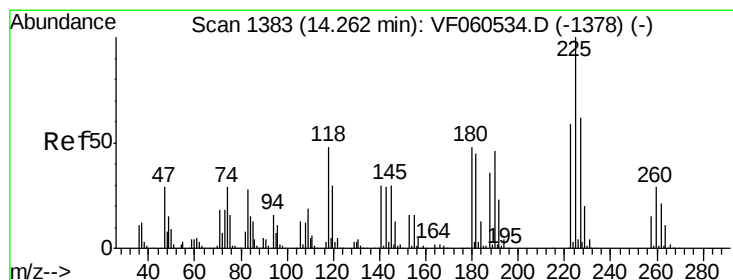
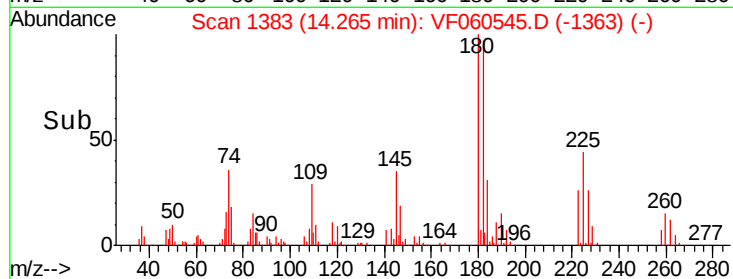
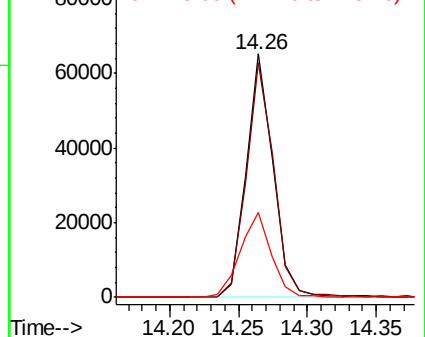
145 34.7 19.5 58.5



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#94

Hexachlorobutadiene

Concen: 23.368 ug/l

RT: 14.25 min Scan# 1382

Delta R.T. -0.01 min

Lab File: VF060545.D

Acq: 30 Oct 2018 15:22

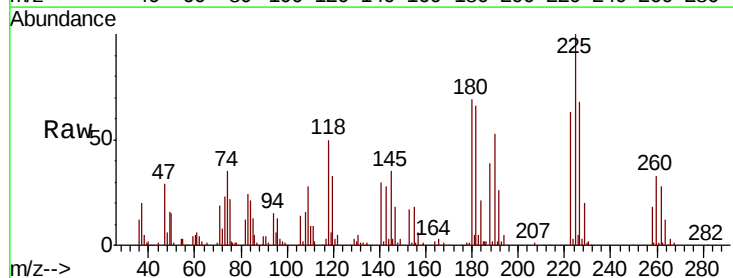
Tgt Ion:225 Resp: 65683

Ion Ratio Lower Upper

225 100

223 63.0 29.5 88.5

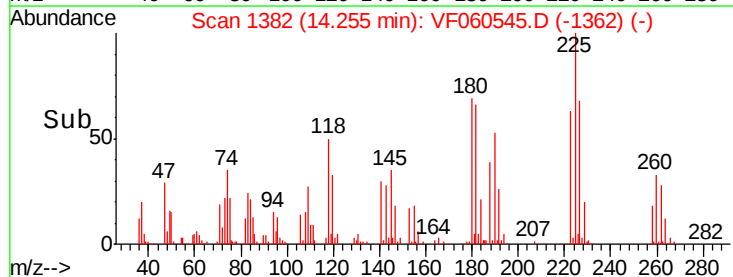
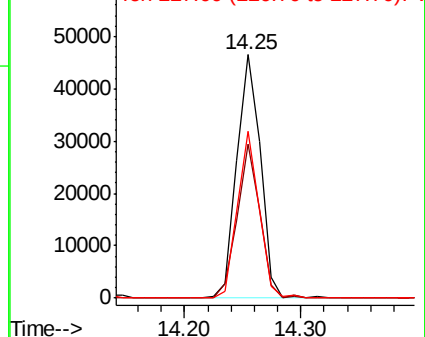
227 68.5 31.3 93.8

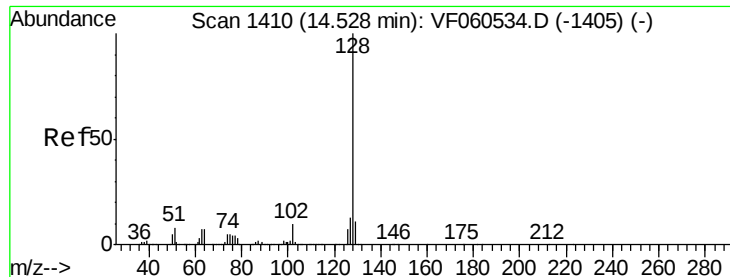


Abundance Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





#95

Naphthalene

Concen: 20.098 ug/l

RT: 14.52 min Scan# 1409

Delta R.T. -0.01 min

Lab File: VF060545.D

Acq: 30 Oct 2018 15:22

Instrument :

MSVOA_F

ClientSampleId :

VF1030SBS01

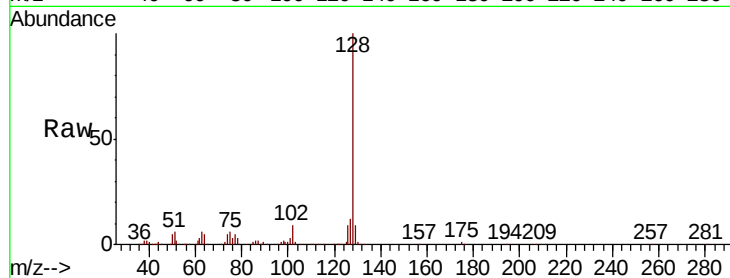
Tot Ion:128 Resp: 141142

Ion Ratio Lower Upper

128 100

127 12.2 10.1 15.1

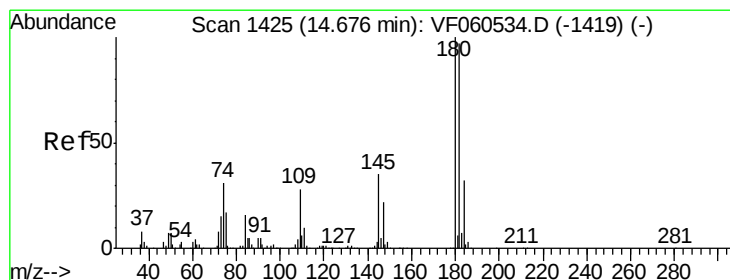
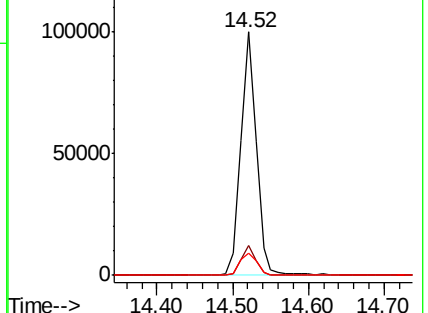
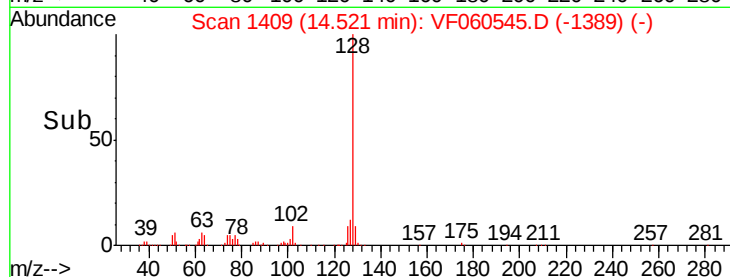
129 9.1 8.7 13.1



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: 23.001 ug/l

RT: 14.67 min Scan# 1424

Delta R.T. -0.01 min

Lab File: VF060545.D

Acq: 30 Oct 2018 15:22

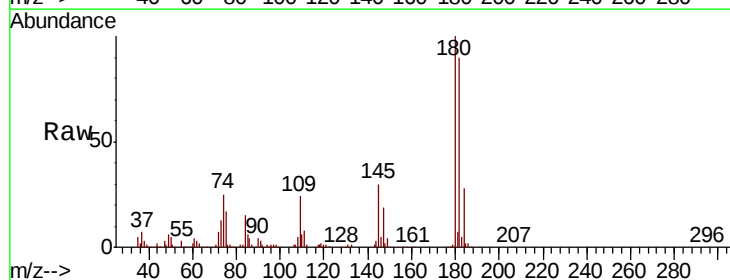
Tgt Ion:180 Resp: 86914

Ion Ratio Lower Upper

180 100

182 89.9 48.7 146.1

145 30.1 17.3 52.0



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

