

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF112718\
 Data File : VF060838.D
 Acq On : 27 Nov 2018 15:01
 Operator : VA/AP
 Sample : VF1127SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1127SBS01

Quant Time: Nov 28 03:08:39 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 27 01:36:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.90	168	214589	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.63	114	368070	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.81	117	359023	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.58	152	184901	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.88	65	135571	53.63	ug/l	0.00
Spiked Amount			Recovery	=	107.26%	
35) Dibromofluoromethane	4.14	113	145779	49.92	ug/l	0.00
Spiked Amount			Recovery	=	99.84%	
50) Toluene-d8	7.59	98	445892	51.84	ug/l	0.00
Spiked Amount			Recovery	=	103.68%	
62) 4-Bromofluorobenzene	11.43	95	197670	50.57	ug/l	0.00
Spiked Amount			Recovery	=	101.14%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.97	85	74759	23.300	ug/l	93
3) Chloromethane	1.11	50	49924	23.912	ug/l	91
4) Vinyl Chloride	1.15	62	46669	23.963	ug/l	94
5) Bromomethane	1.35	94	28683	20.887	ug/l	89
6) Chloroethane	1.40	64	20325	24.143	ug/l	93
7) Trichlorofluoromethane	1.50	101	89503	21.420	ug/l	95
8) Diethyl Ether	1.65	74	13357	22.230	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	1.86	101	45988	21.770	ug/l	96
10) Methyl Iodide	1.91	142	55734	17.358	ug/l	97
11) Tert butyl alcohol	2.59	59	13417	129.475	ug/l	96
12) 1,1-Dichloroethene	1.81	96	36069	21.228	ug/l	88
13) Acrolein	2.01	56	10506	107.005	ug/l	94
14) Allyl chloride	2.11	41	45279	21.380	ug/l	94
15) Acrylonitrile	2.97	53	26869	115.655	ug/l	94
16) Acetone	2.26	43	57575	123.508	ug/l	96
17) Carbon Disulfide	1.85	76	75286	16.525	ug/l	95
18) Methyl Acetate	2.37	43	22005	27.390	ug/l	99
19) Methyl tert-butyl Ether	2.45	73	86671	22.648	ug/l	100
20) Methylene Chloride	2.27	84	22985	13.440	ug/l	94
21) trans-1,2-Dichloroethene	2.33	96	36192	22.094	ug/l	93
22) Diisopropyl ether	2.82	45	136653	23.705	ug/l	98
23) Vinyl Acetate	3.22	43	331954	125.975	ug/l	99
24) 1,1-Dichloroethane	2.90	63	73326	21.379	ug/l	99
25) 2-Butanone	4.37	43	97829	121.330	ug/l	97
26) 2,2-Dichloropropane	3.63	77	47919	21.551	ug/l	91
27) cis-1,2-Dichloroethene	3.50	96	62435	23.412	ug/l	97
28) Bromochloromethane	3.75	49	38463	23.367	ug/l	99
29) Tetrahydrofuran	4.11	42	39702	116.163	ug/l	96
30) Chloroform	3.90	83	118733	22.493	ug/l	95
31) Cyclohexane	3.72	56	46776	13.141	ug/l	97
32) 1,1,1-Trichloroethane	4.13	97	72974	19.934	ug/l	95
36) 1,1-Dichloropropene	4.31	75	85548	20.955	ug/l	95
37) Ethyl Acetate	4.14	43	37151	22.393	ug/l	94
38) Carbon Tetrachloride	4.03	117	68682	19.047	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.49	83	88105	20.593	ug/l	95
40) Benzene	4.67	78	198193	21.975	ug/l	99
41) Methacrylonitrile	4.77	41	21342	22.731	ug/l	96
42) 1,2-Dichloroethane	4.97	62	67479	20.494	ug/l	94
43) Isopropyl Acetate	6.99	43	50639	23.286	ug/l #	97
44) Trichloroethene	5.53	130	63769	21.624	ug/l	95
45) 1,2-Dichloropropane	6.26	63	54862	23.421	ug/l	100
46) Dibromomethane	6.12	93	33924	21.349	ug/l	94
47) Bromodichloromethane	6.42	83	87561	20.747	ug/l	96
48) Methyl methacrylate	6.75	41	32851	21.876	ug/l	96
49) 1,4-Dioxane	6.75	88	4635	421.727	ug/l	89
51) 4-Methyl-2-Pentanone	8.29	43	181641	118.728	ug/l	98
52) Toluene	7.66	92	133507	21.074	ug/l	94
53) t-1,3-Dichloropropene	8.32	75	75732	22.061	ug/l	90
54) cis-1,3-Dichloropropene	7.33	75	93390	21.975	ug/l	97
55) 1,1,2-Trichloroethane	8.52	97	40602	21.995	ug/l	97
56) Ethyl methacrylate	8.65	69	46714	22.780	ug/l	94
57) 1,3-Dichloropropane	8.88	76	71546	22.153	ug/l	94
58) 2-Chloroethyl Vinyl ether	7.33	63	21568	102.826	ug/l #	83
59) 2-Hexanone	9.52	43	133584	124.460	ug/l	99
60) Dibromochloromethane	8.75	129	55667	20.239	ug/l	96
61) 1,2-Dibromoethane	9.02	107	43860	21.994	ug/l	95
64) Tetrachloroethene	8.19	164	53949	19.673	ug/l	94
65) Chlorobenzene	9.84	112	150115	21.493	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.96	131	60327	20.092	ug/l	98
67) Ethyl Benzene	9.93	91	270873	20.832	ug/l	97
68) m/p-Xylenes	10.16	106	194359	41.560	ug/l	95
69) o-Xylene	10.74	106	112181	21.753	ug/l	96
70) Styrene	10.81	104	153308	21.446	ug/l	98
71) Bromoform	10.80	173	30291	20.886	ug/l #	96
73) Isopropylbenzene	11.15	105	311521	21.320	ug/l	99
74) N-amyl acetate	11.39	43	80306	23.801	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.72	83	53977	22.446	ug/l	98
76) 1,2,3-Trichloropropane	11.82	75	40411	23.119	ug/l	88
77) Bromobenzene	11.52	156	65572	20.469	ug/l	86
78) n-propylbenzene	11.62	91	367313	21.466	ug/l	99
79) 2-Chlorotoluene	11.75	91	209856	21.389	ug/l	96
80) 1,3,5-Trimethylbenzene	11.85	105	255254	21.518	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.90	75	25086	29.291	ug/l	93
82) 4-Chlorotoluene	11.93	91	214148	20.740	ug/l	92
83) tert-Butylbenzene	12.15	119	267159	22.110	ug/l	99
84) 1,2,4-Trimethylbenzene	12.22	105	252887	21.361	ug/l	98
85) sec-Butylbenzene	12.33	105	358474	21.672	ug/l	100
86) p-Isopropyltoluene	12.48	119	297533	21.455	ug/l	98
87) 1,3-Dichlorobenzene	12.50	146	130816	21.468	ug/l	99
88) 1,4-Dichlorobenzene	12.59	146	125346	21.108	ug/l	98
89) n-Butylbenzene	12.86	91	304786	21.735	ug/l	96
90) Hexachloroethane	12.94	117	69559	20.830	ug/l	83
91) 1,2-Dichlorobenzene	12.96	146	124349	21.549	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.66	75	10310	22.175	ug/l	74

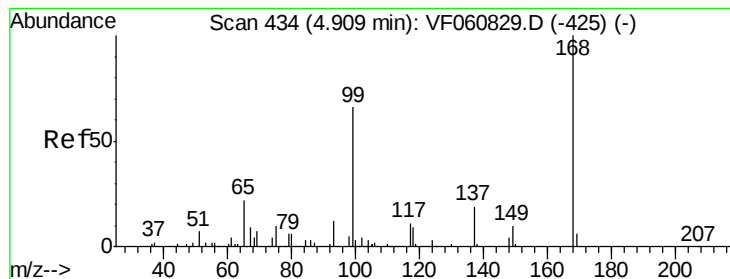
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF112718\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.22	180	87313	21.655	ug/l	94
94) Hexachlorobutadiene	14.22	225	51460	19.146	ug/l	98
95) Naphthalene	14.48	128	173298	20.049	ug/l	99
96) 1,2,3-Trichlorobenzene	14.63	180	77551	20.715	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.90 min Scan# 433

Delta R.T. -0.01 min

Lab File: VF060838.D

Acq: 27 Nov 2018 15:01

Instrument :

MSVOA_F

ClientSampleId :

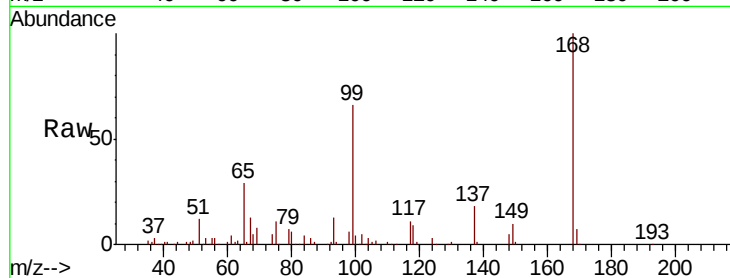
VF1127SBS01

Tot Ion:168 Resp: 214589

Ion Ratio Lower Upper

168 100

99 66.4 52.6 79.0



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.90

80000

60000

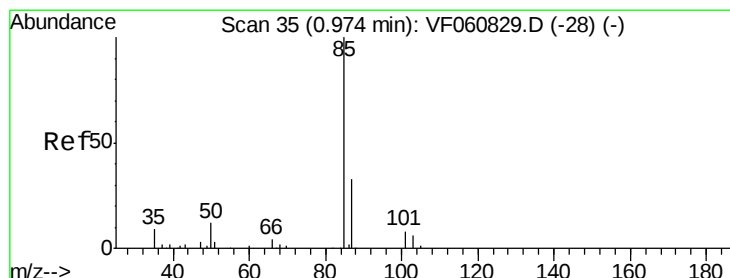
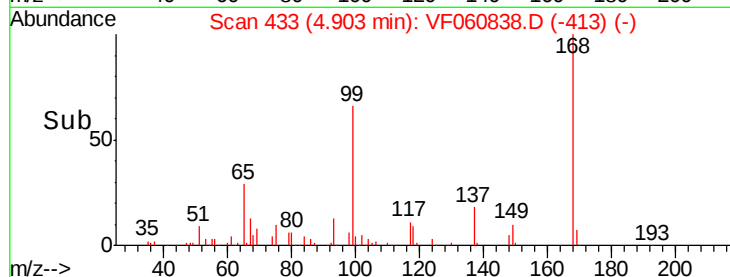
40000

20000

0

Time-->

4.80 4.90 5.00 5.10



#2

Dichlorodifluoromethane

Concen: 23.300 ug/l

RT: 0.97 min Scan# 34

Delta R.T. -0.01 min

Lab File: VF060838.D

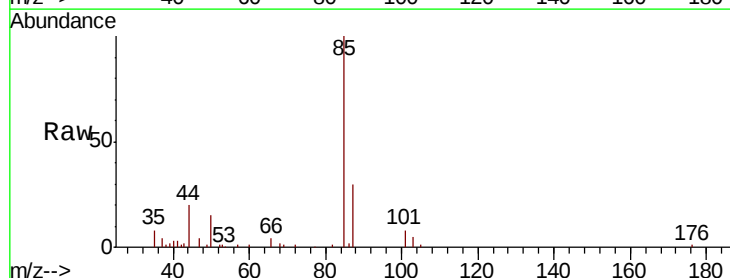
Acq: 27 Nov 2018 15:01

Tgt Ion: 85 Resp: 74759

Ion Ratio Lower Upper

85 100

87 29.5 16.7 50.0



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.97

20000

15000

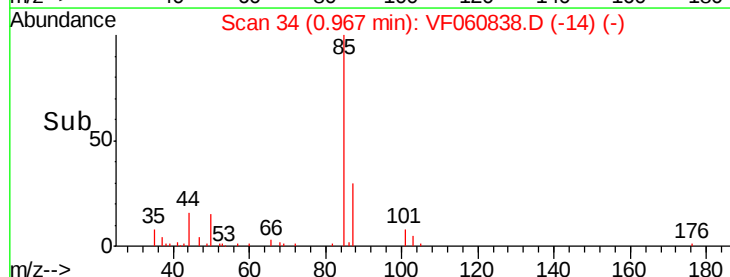
10000

5000

0

Time-->

0.80 0.90 1.00 1.10 1.20





#3

Chloromethane

Concen: 23.912 ug/l

RT: 1.11 min Scan# 48

Delta R.T. 0.00 min

Lab File: VF060838.D

Acq: 27 Nov 2018 15:01

Instrument :

MSVOA_F

ClientSampleId :

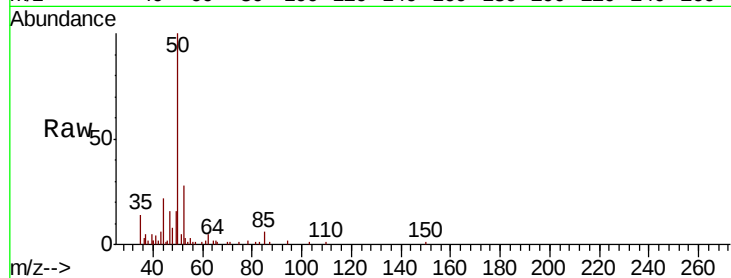
VF1127SBSD01

Tot Ion: 50 Resp: 49924

Ion Ratio Lower Upper

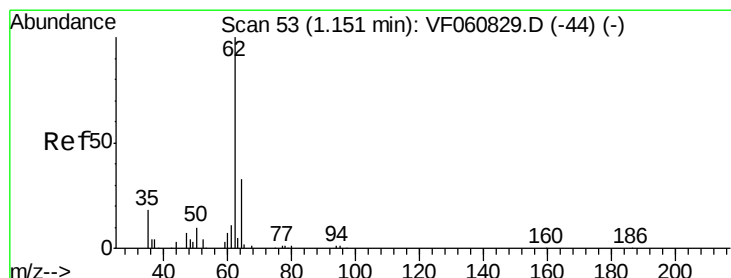
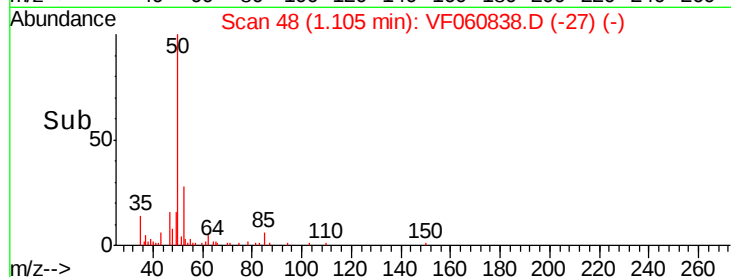
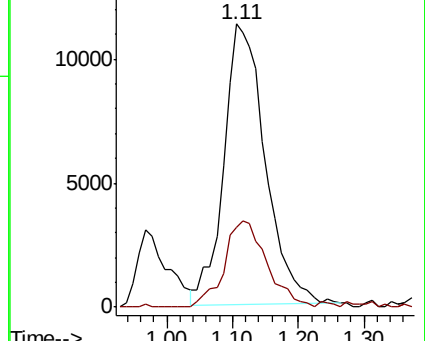
50 100

52 28.3 27.0 40.4



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 23.963 ug/l

RT: 1.15 min Scan# 53

Delta R.T. 0.00 min

Lab File: VF060838.D

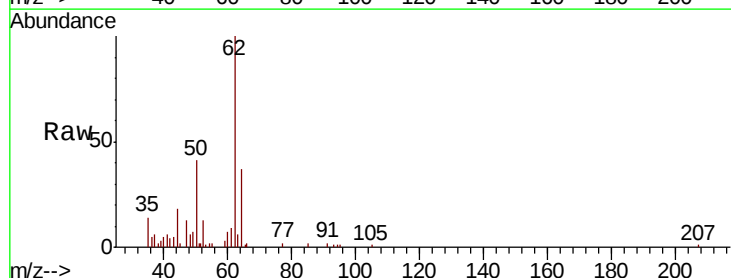
Acq: 27 Nov 2018 15:01

Tgt Ion: 62 Resp: 46669

Ion Ratio Lower Upper

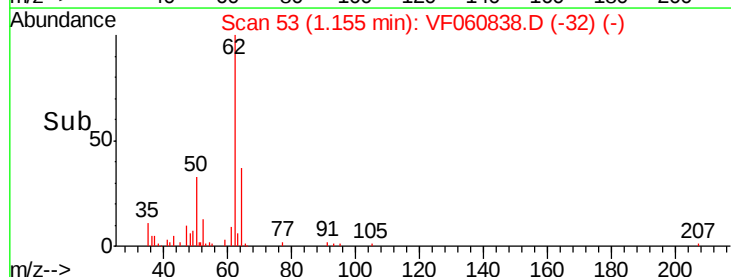
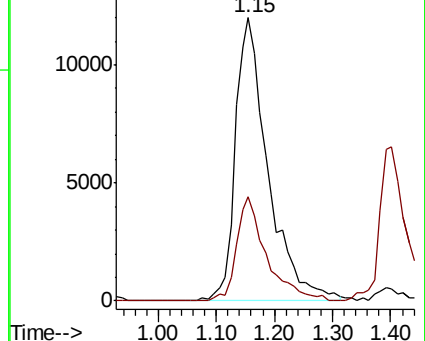
62 100

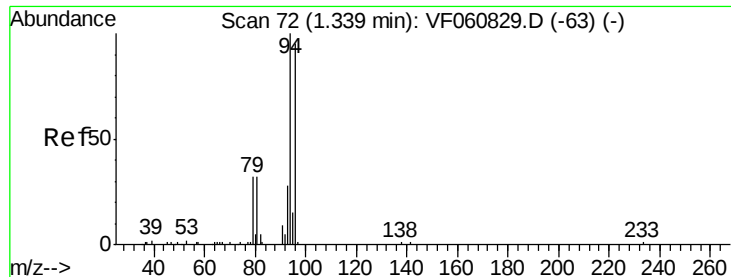
64 36.6 26.4 39.6



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 20.887 ug/l

RT: 1.35 min Scan# 73

Delta R.T. 0.01 min

Lab File: VF060838.D

Acq: 27 Nov 2018 15:01

Instrument :

MSVOA_F

ClientSampleId :

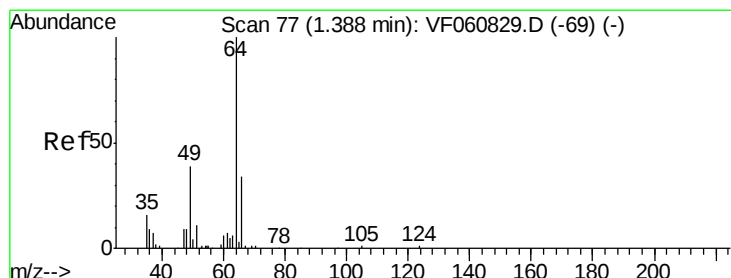
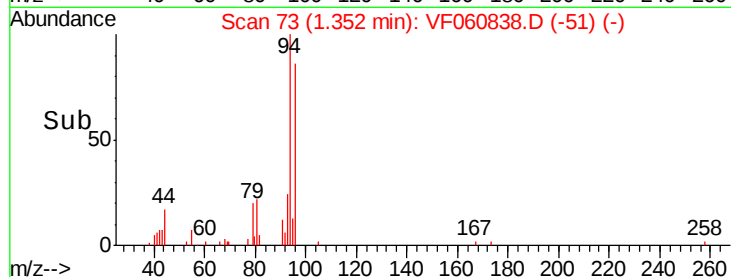
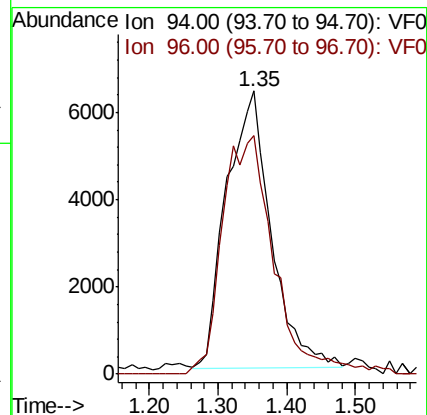
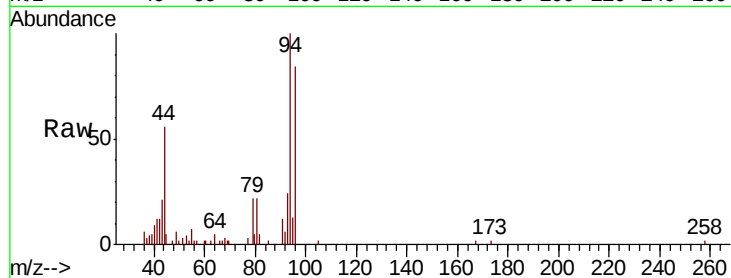
VF1127SBS01

Tot Ion: 94 Resp: 28683

Ion Ratio Lower Upper

94 100

96 84.2 75.9 113.9



#6

Chloroethane

Concen: 24.143 ug/l

RT: 1.40 min Scan# 78

Delta R.T. 0.01 min

Lab File: VF060838.D

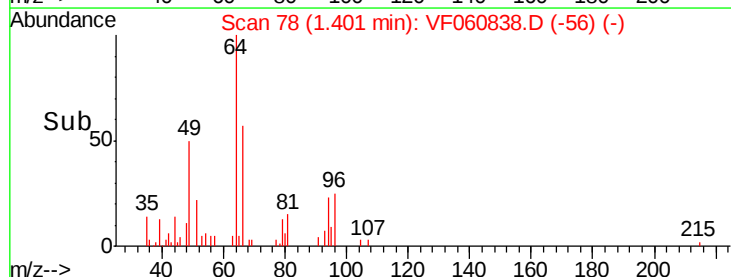
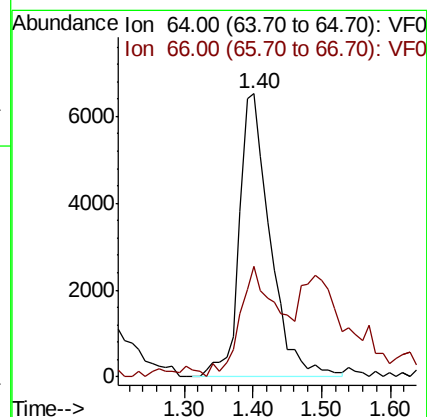
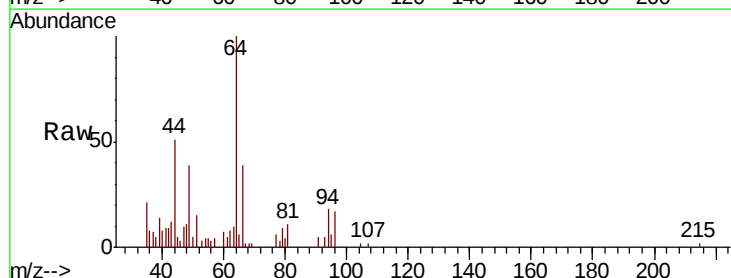
Acq: 27 Nov 2018 15:01

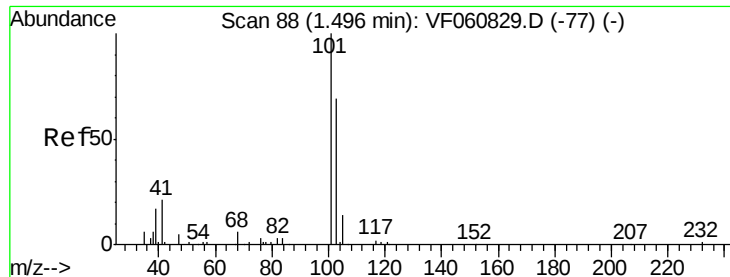
Tgt Ion: 64 Resp: 20325

Ion Ratio Lower Upper

64 100

66 39.1 28.1 42.1





#7

Trichlorofluoromethane

Concen: 21.420 ug/l

RT: 1.50 min Scan# 88

Delta R.T. 0.00 min

Lab File: VF060838.D

Acq: 27 Nov 2018 15:01

Instrument :

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ClientSampleId :

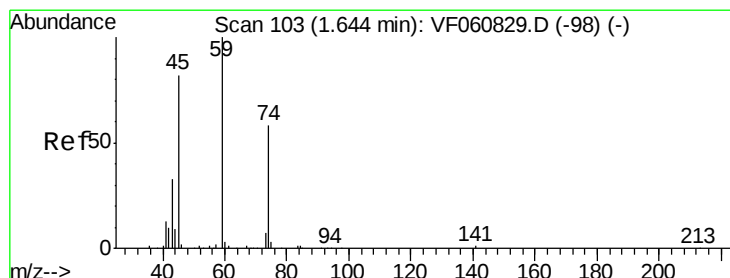
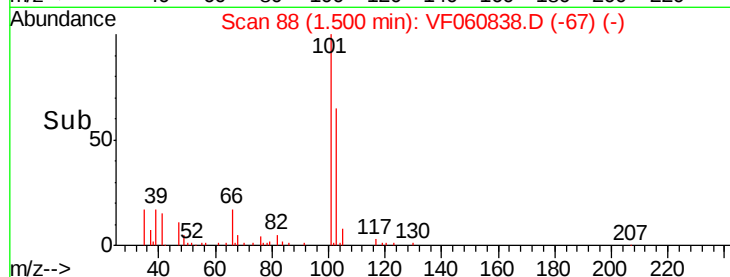
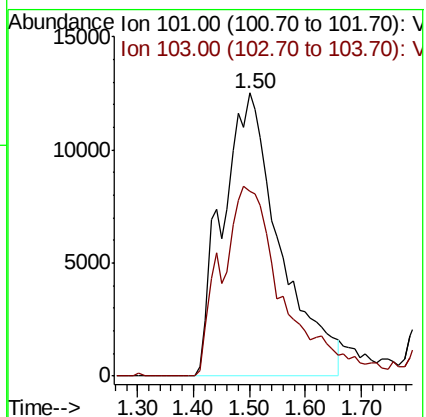
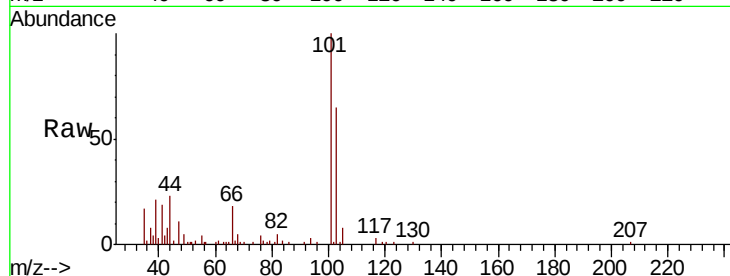
VF1127SBS01

Tot Ion:101 Resp: 89503

Ion Ratio Lower Upper

101 100

103 65.2 55.4 83.0



#8

Diethyl Ether

Concen: 22.230 ug/l

RT: 1.65 min Scan# 103

Delta R.T. 0.00 min

Lab File: VF060838.D

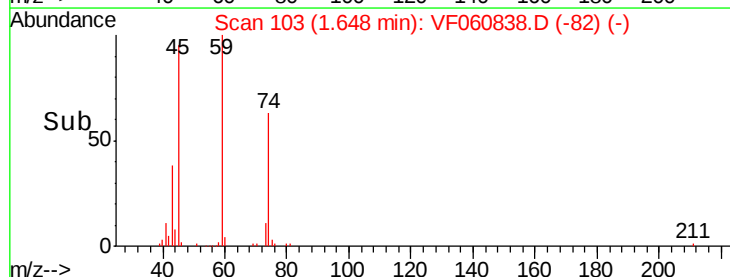
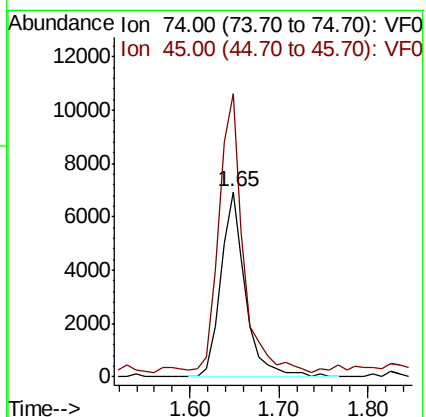
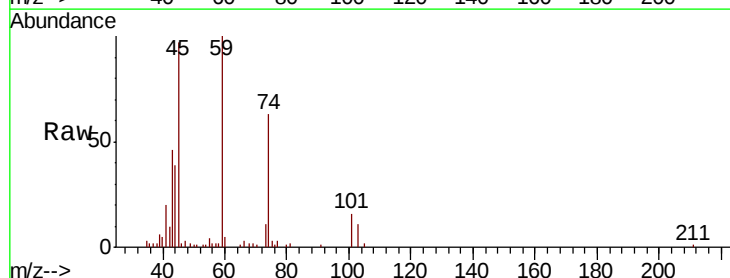
Acq: 27 Nov 2018 15:01

Tgt Ion: 74 Resp: 13357

Ion Ratio Lower Upper

74 100

45 152.8 71.0 212.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.770 ug/l

RT: 1.86 min Scan# 124

Delta R.T. 0.02 min

Lab File: VF060838.D

Acq: 27 Nov 2018 15:01

Instrument :

MSVOA_F

ClientSampleId :

VF1127SBS01

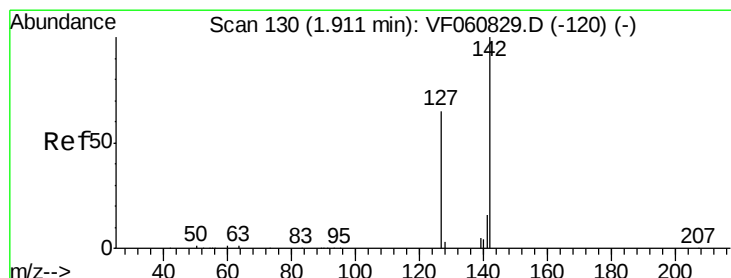
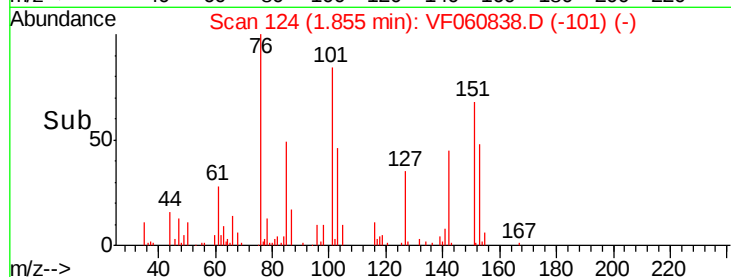
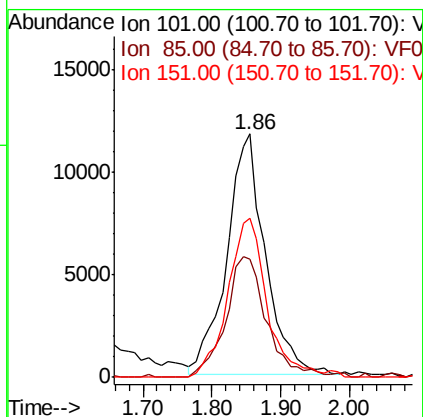
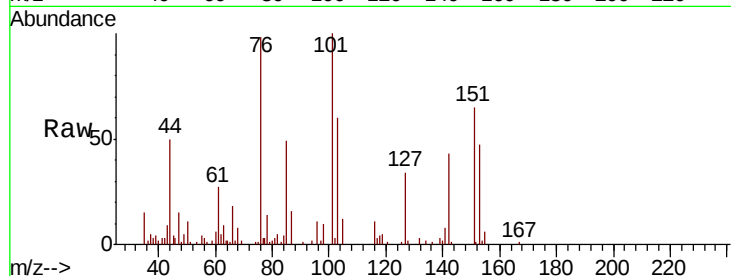
Tot Ion:101 Resp: 45988

Ion Ratio Lower Upper

101 100

85 48.7 42.8 64.2

151 66.3 54.4 81.6



#10

Methyl Iodide

Concen: 17.358 ug/l

RT: 1.91 min Scan# 130

Delta R.T. 0.00 min

Lab File: VF060838.D

Acq: 27 Nov 2018 15:01

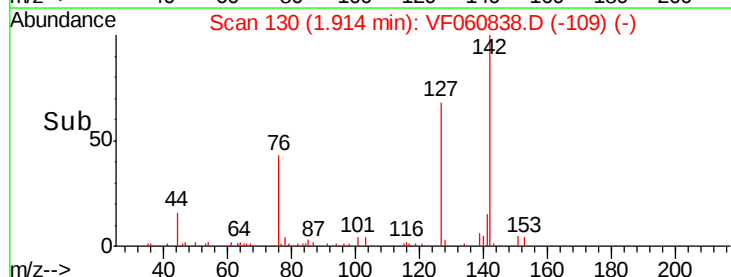
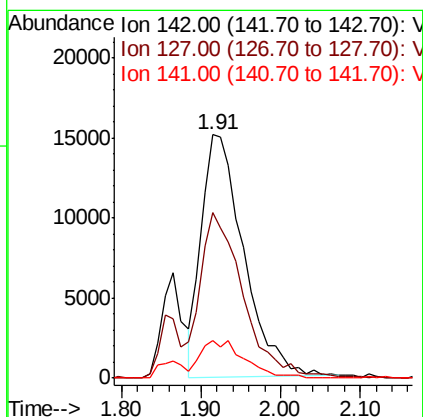
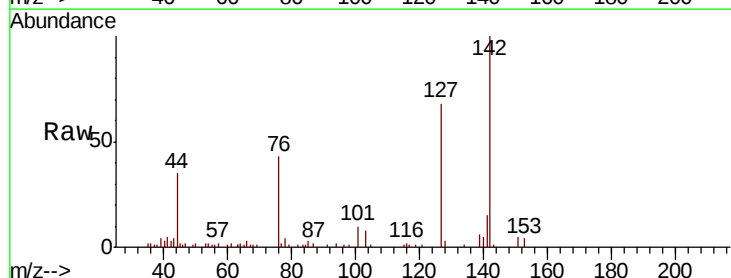
Tgt Ion:142 Resp: 55734

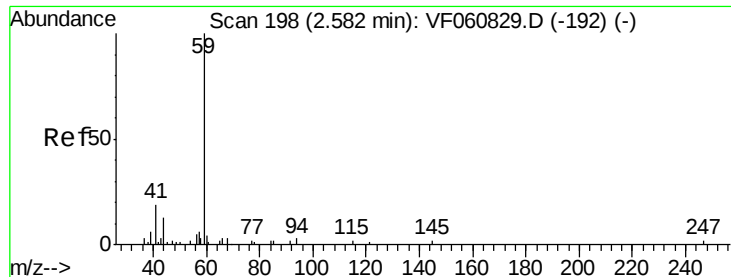
Ion Ratio Lower Upper

142 100

127 67.9 51.9 77.9

141 15.4 12.7 19.1

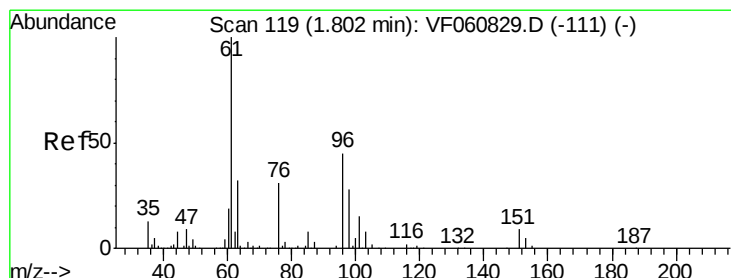
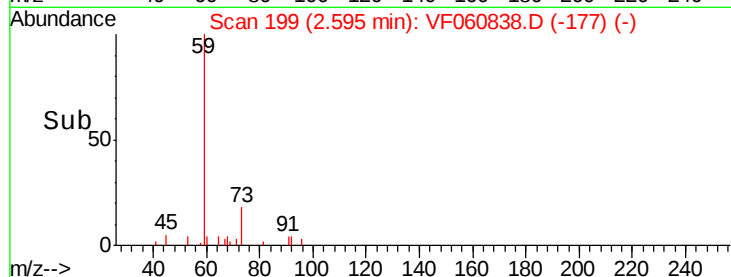
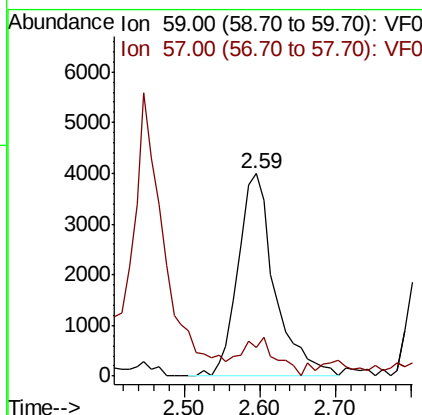
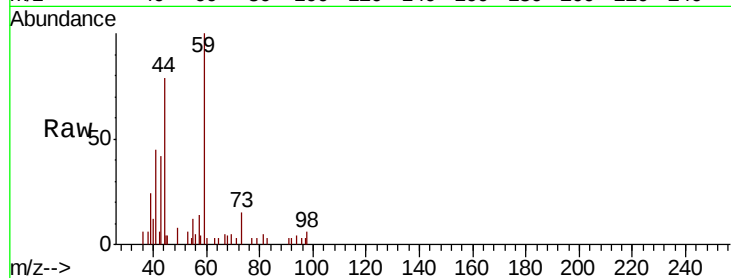




#11
Tert butyl alcohol
Concen: 129.475 ug/l
RT: 2.59 min Scan# 199
Delta R.T. 0.01 min
Lab File: VF060838.D
Acq: 27 Nov 2018 15:01

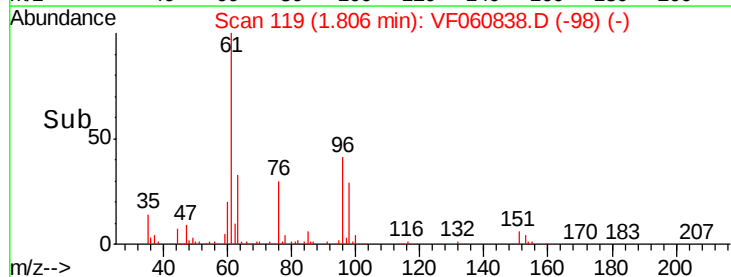
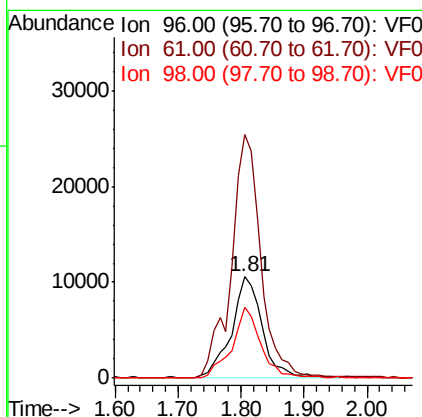
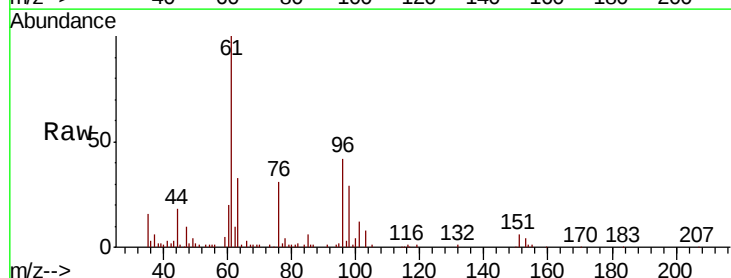
Instrument :
MSVOA_F
ClientSampleId :
VF1127SBS01

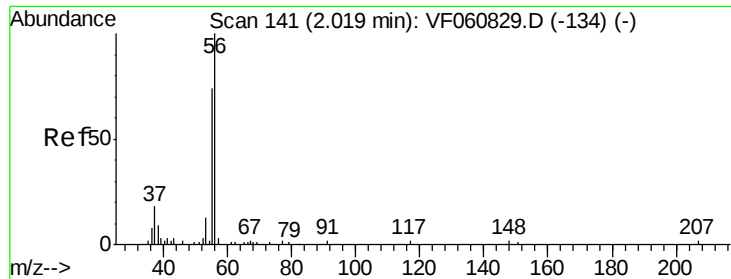
Tot Ion: 59 Resp: 13417
Ion Ratio Lower Upper
59 100
57 14.3 12.7 19.1



#12
1,1-Dichloroethene
Concen: 21.228 ug/l
RT: 1.81 min Scan# 119
Delta R.T. 0.00 min
Lab File: VF060838.D
Acq: 27 Nov 2018 15:01

Tgt Ion: 96 Resp: 36069
Ion Ratio Lower Upper
96 100
61 240.5 177.3 265.9
98 70.4 49.6 74.4

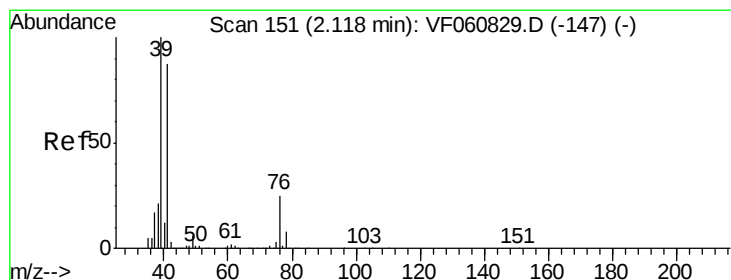
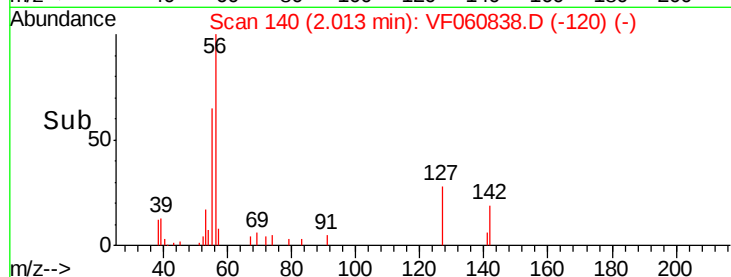
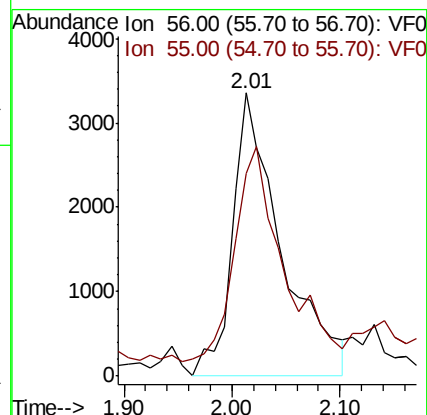
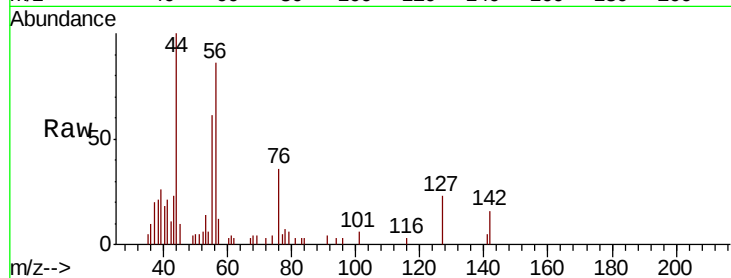




#13
Acrolein
Concen: 107.005 ug/l
RT: 2.01 min Scan# 140
Delta R.T. -0.01 min
Lab File: VF060838.D
Acq: 27 Nov 2018 15:01

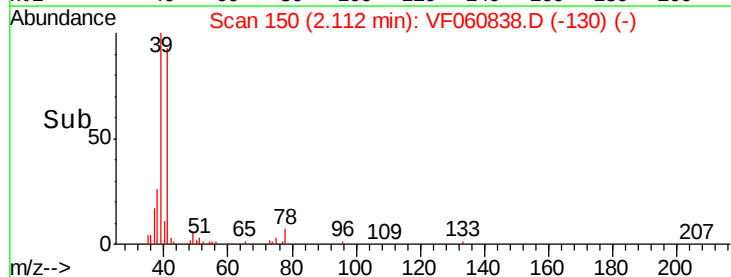
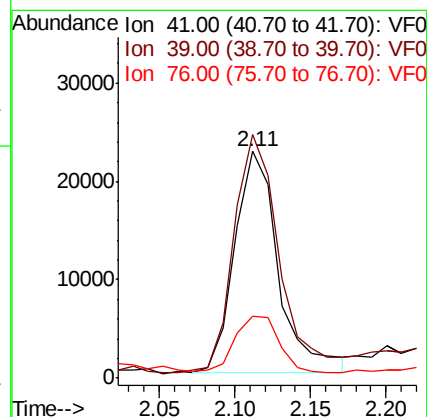
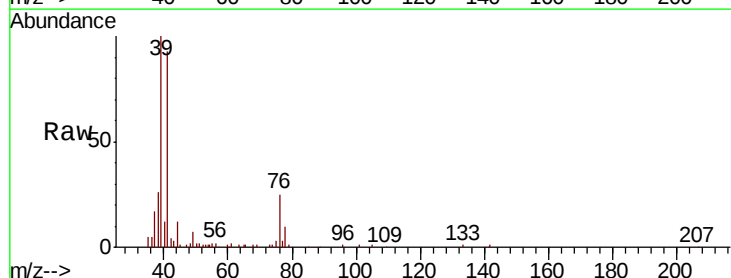
Instrument :
MSVOA_F
ClientSampleId :
VF1127SBS01

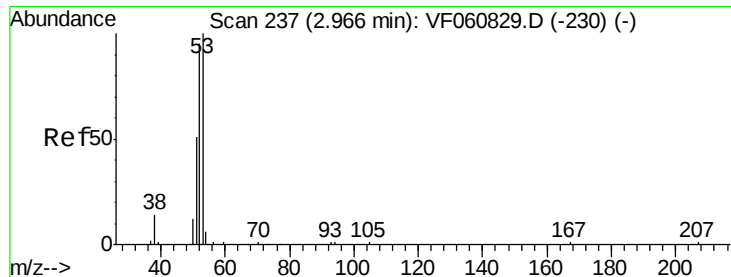
Tot Ion: 56 Resp: 10506
Ion Ratio Lower Upper
56 100
55 71.5 61.2 91.8



#14
Allyl chloride
Concen: 21.380 ug/l
RT: 2.11 min Scan# 150
Delta R.T. -0.01 min
Lab File: VF060838.D
Acq: 27 Nov 2018 15:01

Tgt Ion: 41 Resp: 45279
Ion Ratio Lower Upper
41 100
39 107.5 91.7 137.5
76 27.2 23.5 35.3





#15

Acrylonitrile

Concen: 115.655 ug/l

RT: 2.97 min Scan# 237

Delta R.T. 0.00 min

Lab File: VF060838.D

Acq: 27 Nov 2018 15:01

Instrument :

MSVOA_F

ClientSampleId :

VF1127SBS01

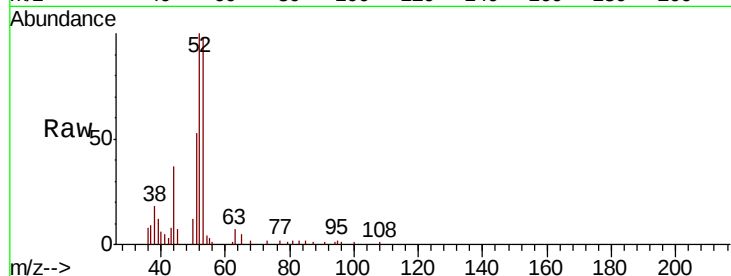
Tot Ion: 53 Resp: 26869

Ion Ratio Lower Upper

53 100

52 101.7 76.5 114.7

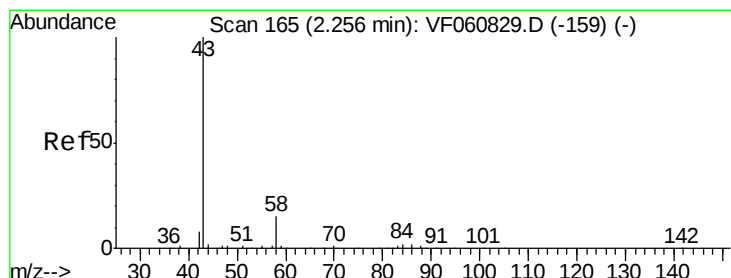
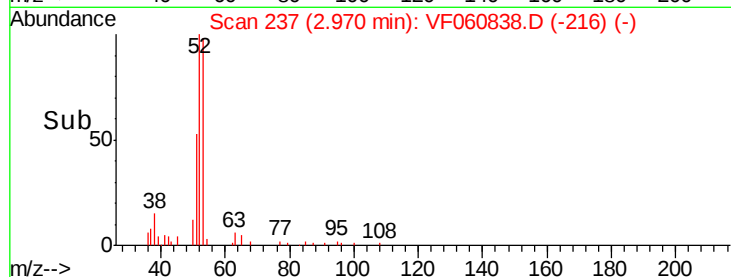
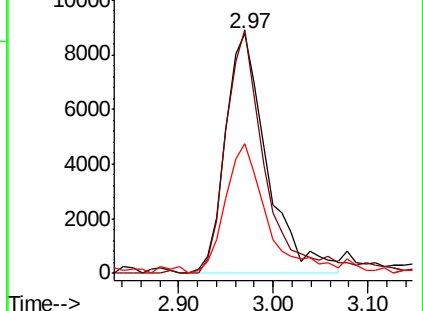
51 54.3 40.7 61.1



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: 123.508 ug/l

RT: 2.26 min Scan# 165

Delta R.T. 0.00 min

Lab File: VF060838.D

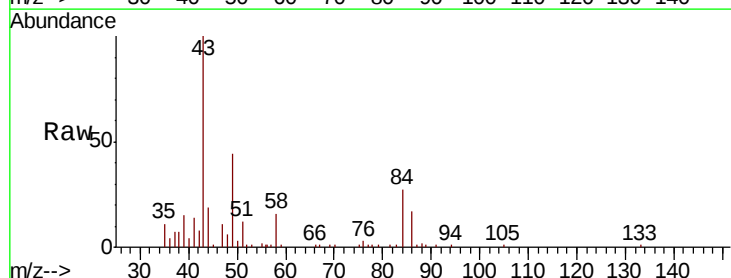
Acq: 27 Nov 2018 15:01

Tgt Ion: 43 Resp: 57575

Ion Ratio Lower Upper

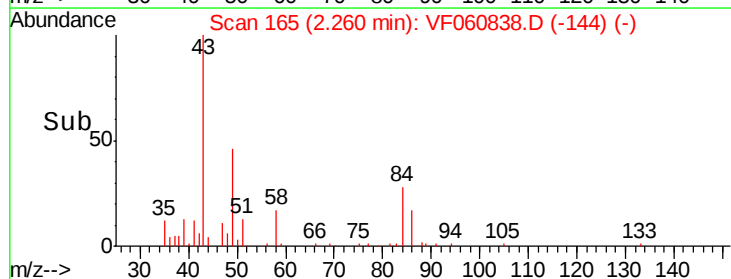
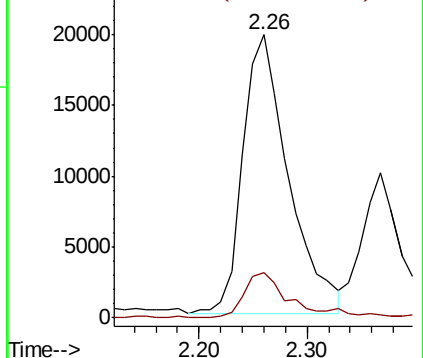
43 100

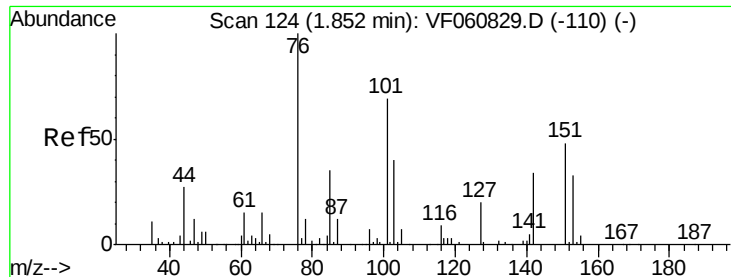
58 16.0 11.4 17.2



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

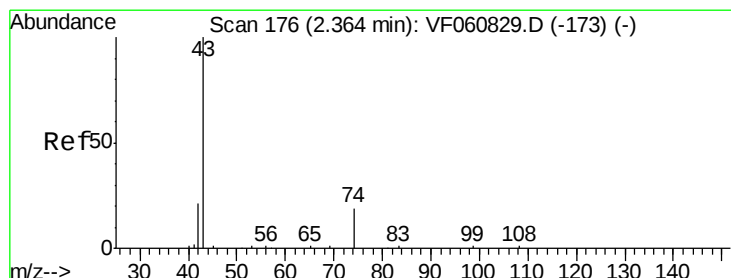
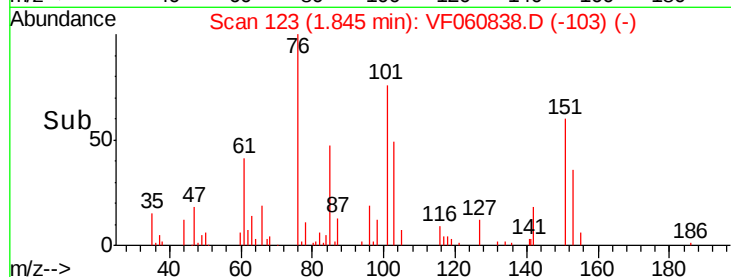
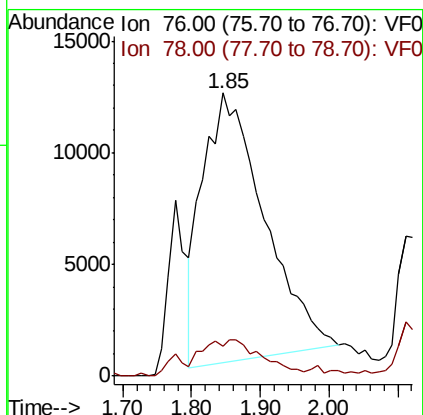
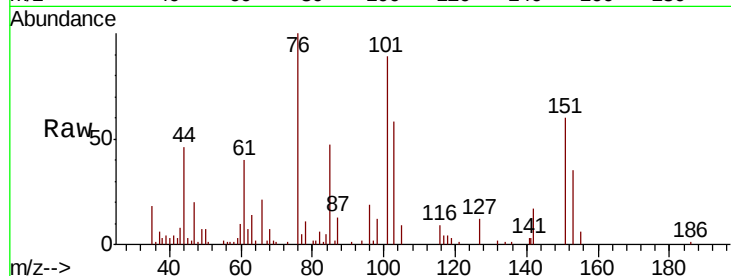




#17
Carbon Disulfide
Concen: 16.525 ug/l
RT: 1.85 min Scan# 123
Delta R.T. -0.01 min
Lab File: VF060838.D
Acq: 27 Nov 2018 15:01

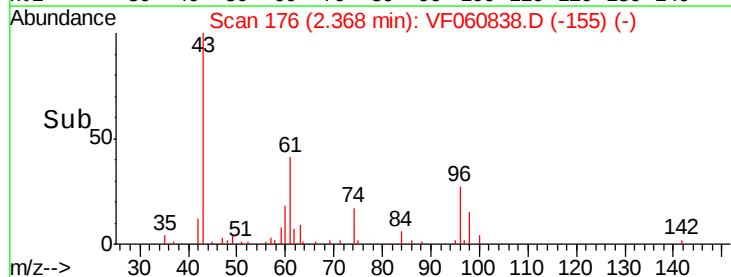
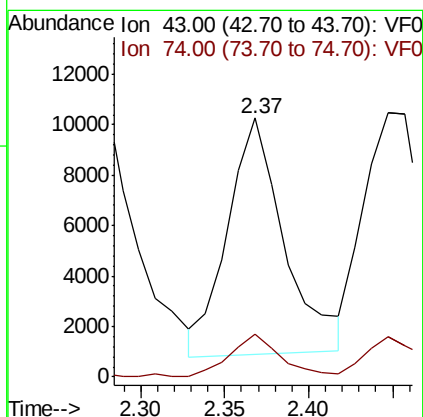
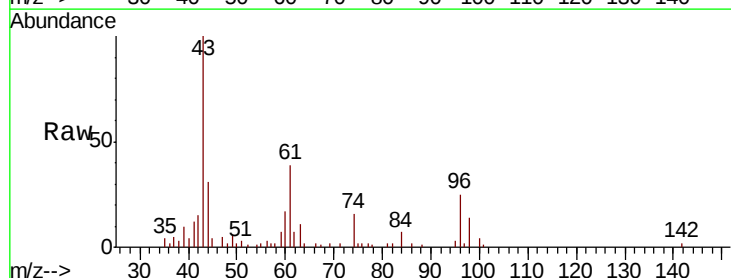
Instrument :
MSVOA_F
ClientSampleId :
VF1127SBSD01

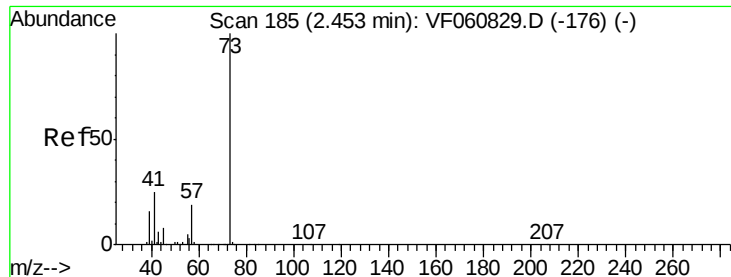
Tot Ion: 76 Resp: 75286
Ion Ratio Lower Upper
76 100
78 10.7 10.2 15.2



#18
Methyl Acetate
Concen: 27.390 ug/l
RT: 2.37 min Scan# 176
Delta R.T. 0.00 min
Lab File: VF060838.D
Acq: 27 Nov 2018 15:01

Tgt Ion: 43 Resp: 22005
Ion Ratio Lower Upper
43 100
74 16.3 13.3 19.9



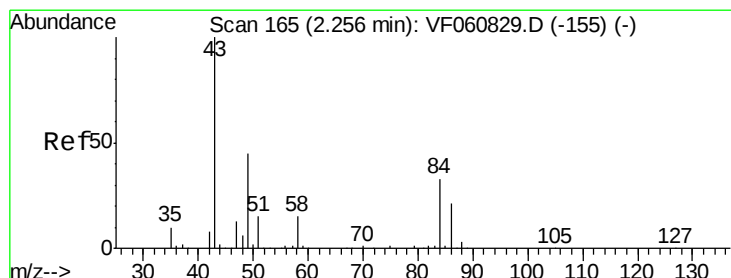
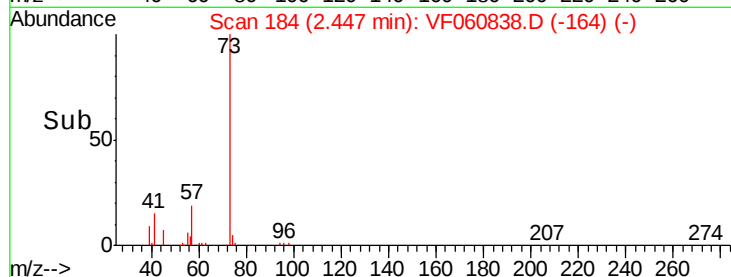
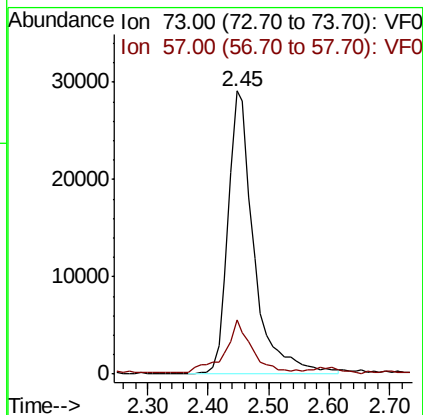
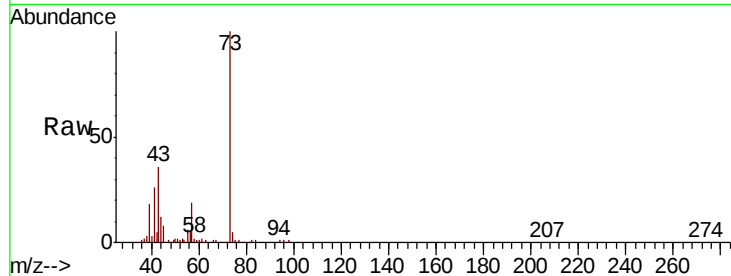


#19

Methyl tert-butyl Ether
 Concen: 22.648 ug/l
 RT: 2.45 min Scan# 184
 Delta R.T. -0.01 min
 Lab File: VF060838.D
 Acq: 27 Nov 2018 15:01

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1127SBS01

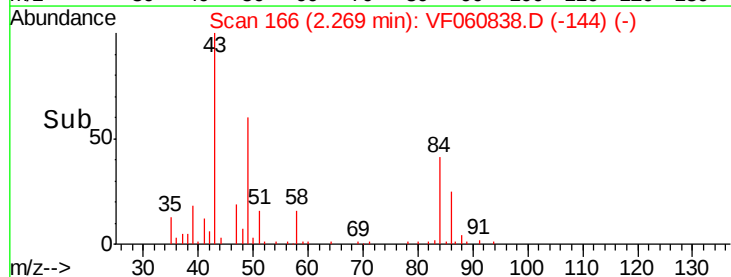
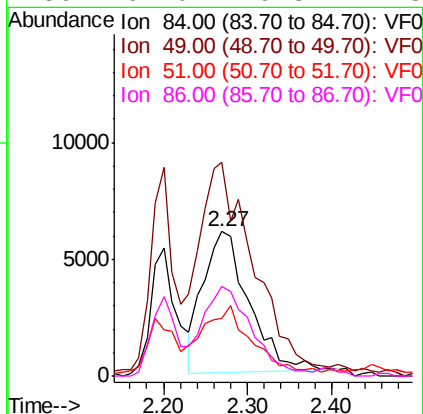
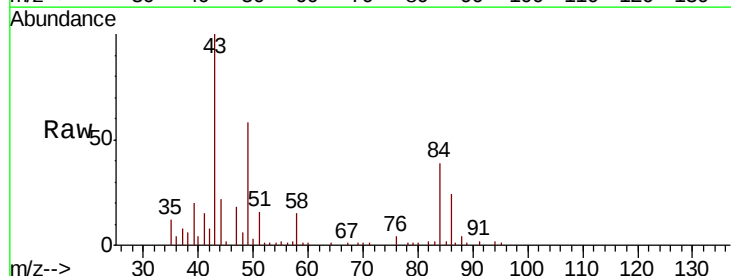
Tot Ion: 73 Resp: 86671
 Ion Ratio Lower Upper
 73 100
 57 19.2 15.3 22.9

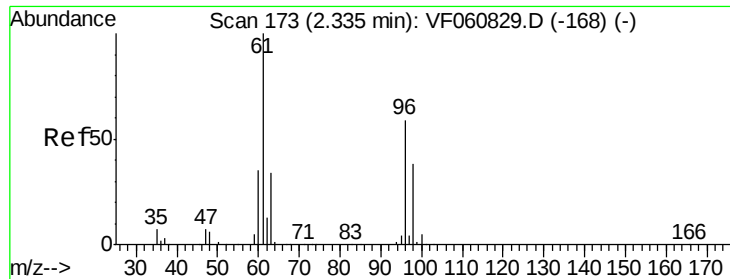


#20

Methylene Chloride
 Concen: 13.440 ug/l
 RT: 2.27 min Scan# 166
 Delta R.T. 0.01 min
 Lab File: VF060838.D
 Acq: 27 Nov 2018 15:01

Tgt Ion: 84 Resp: 22985
 Ion Ratio Lower Upper
 84 100
 49 147.8 111.3 166.9
 51 39.9 38.0 57.0
 86 62.0 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 22.094 ug/l

RT: 2.33 min Scan# 172

Delta R.T. -0.01 min

Lab File: VF060838.D

Acq: 27 Nov 2018 15:01

Instrument :

MSVOA_F

ClientSampleId :

VF1127SBS01

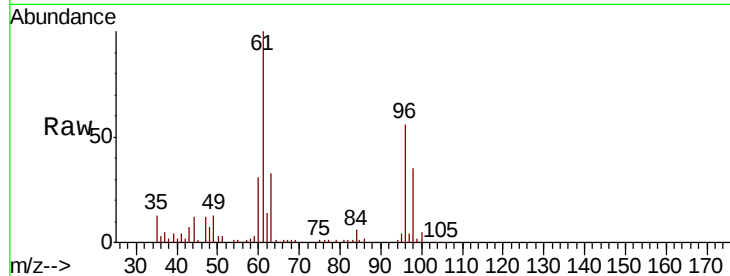
Tot Ion: 96 Resp: 36192

Ion Ratio Lower Upper

96 100

61 180.0 134.5 201.7

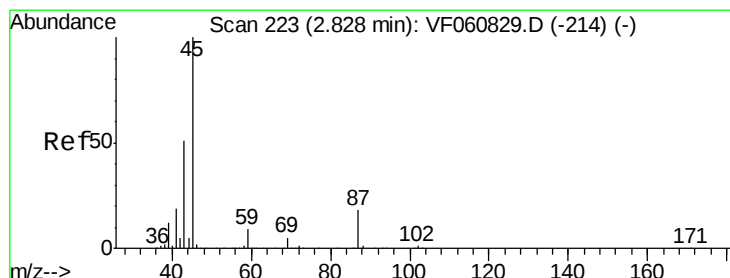
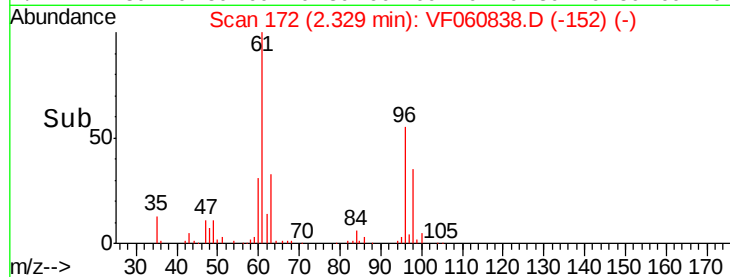
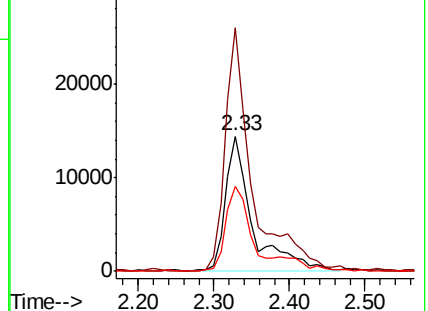
98 63.1 51.6 77.4



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: 23.705 ug/l

RT: 2.82 min Scan# 222

Delta R.T. -0.01 min

Lab File: VF060838.D

Acq: 27 Nov 2018 15:01

Tgt Ion: 45 Resp: 136653

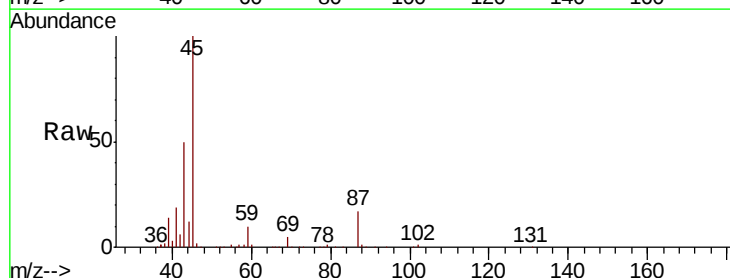
Ion Ratio Lower Upper

45 100

43 50.2 41.0 61.6

87 16.8 14.6 22.0

59 10.3 7.5 11.3

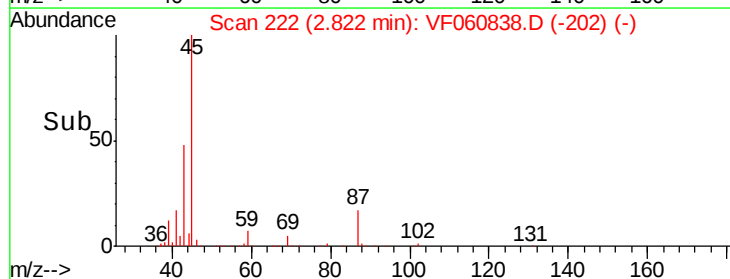
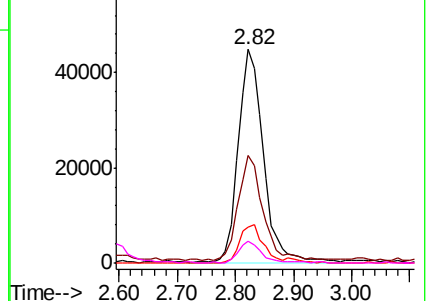


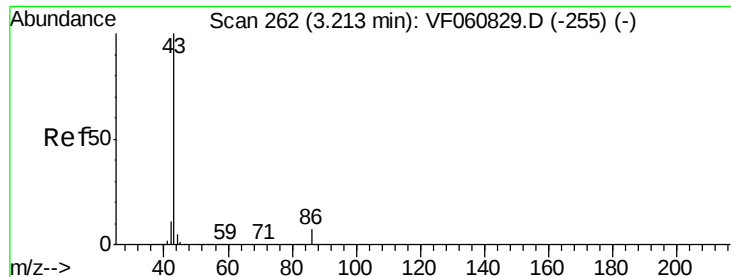
Abundance Ion 45.00 (44.70 to 45.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

Ion 59.00 (58.70 to 59.70): VF0





#23

Vinyl Acetate

Concen: 125.975 ug/l

RT: 3.22 min Scan# 262

Delta R.T. 0.00 min

Lab File: VF060838.D

Acq: 27 Nov 2018 15:01

Instrument :

MSVOA_F

ClientSampleId :

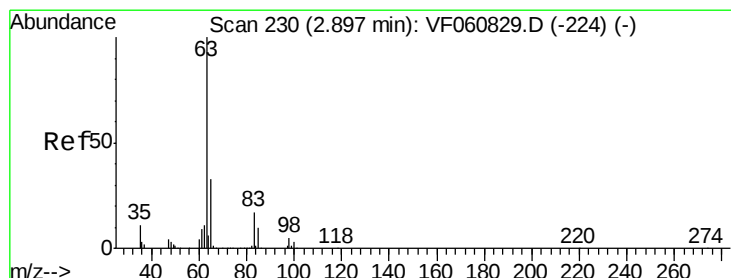
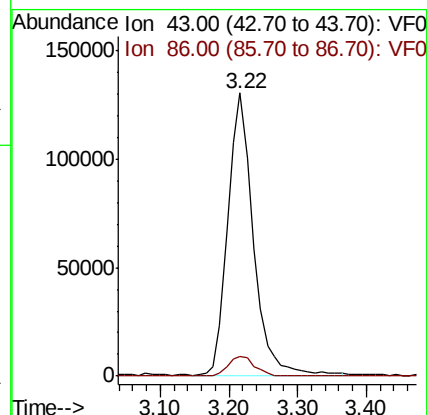
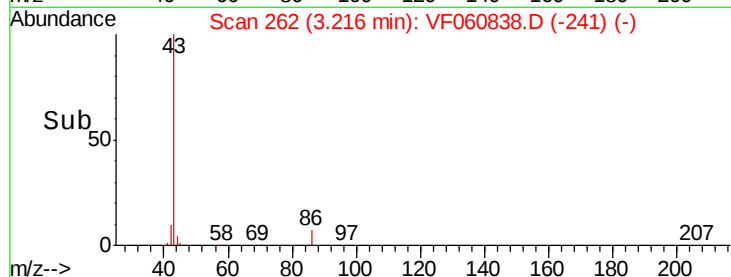
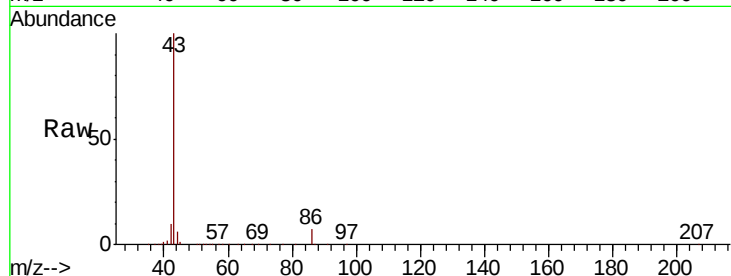
VF1127SBS01

Tot Ion: 43 Resp: 331954

Ion Ratio Lower Upper

43 100

86 6.9 5.4 8.0



#24

1,1-Dichloroethane

Concen: 21.379 ug/l

RT: 2.90 min Scan# 230

Delta R.T. 0.00 min

Lab File: VF060838.D

Acq: 27 Nov 2018 15:01

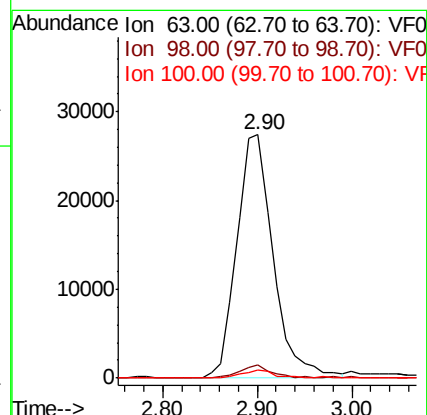
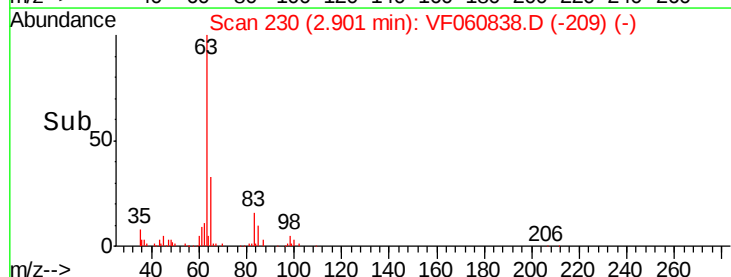
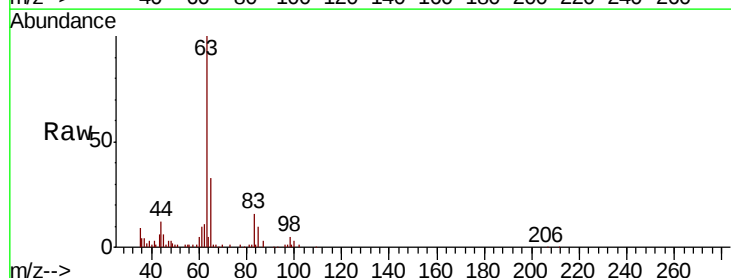
Tgt Ion: 63 Resp: 73326

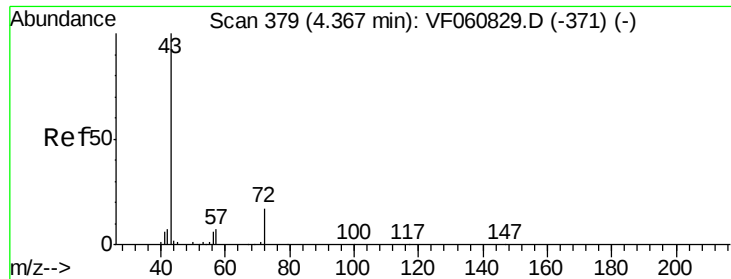
Ion Ratio Lower Upper

63 100

98 5.3 2.7 8.1

100 3.5 1.5 4.5





#25

2-Butanone

Concen: 121.330 ug/l

RT: 4.37 min Scan# 379

Delta R.T. 0.00 min

Lab File: VF060838.D

Acq: 27 Nov 2018 15:01

Instrument :

MSVOA_F

ClientSampleId :

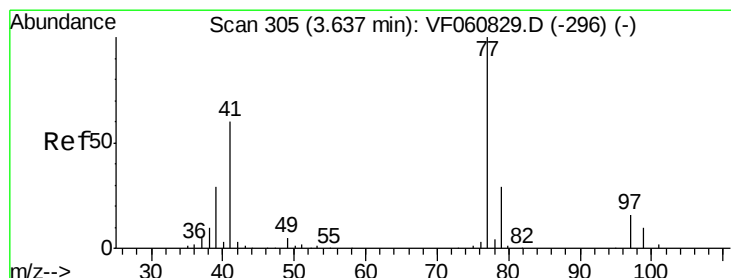
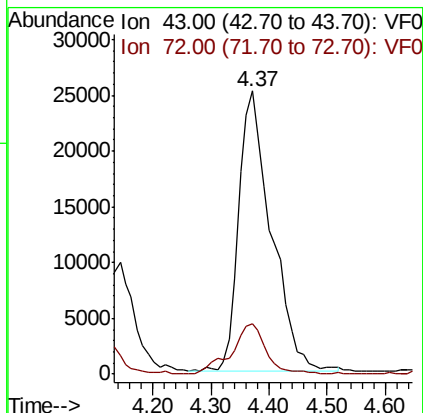
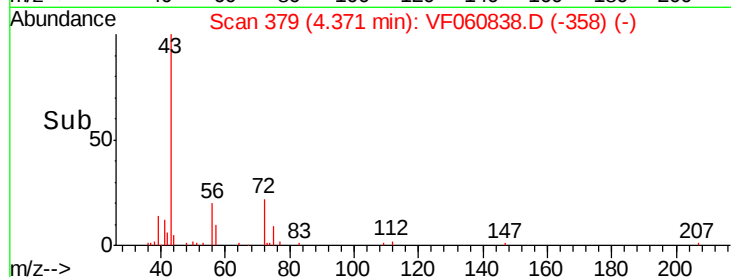
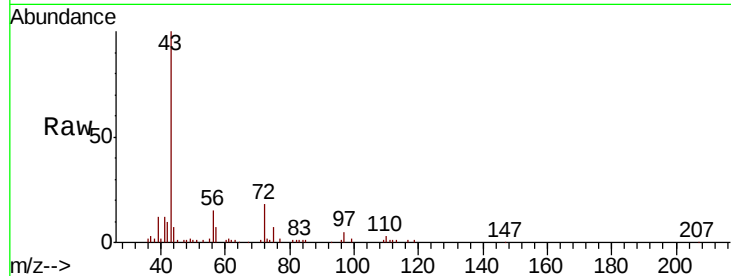
VF1127SBS01

Tot Ion: 43 Resp: 97829

Ion Ratio Lower Upper

43 100

72 18.0 15.4 23.2



#26

2,2-Dichloropropane

Concen: 21.551 ug/l

RT: 3.63 min Scan# 304

Delta R.T. -0.01 min

Lab File: VF060838.D

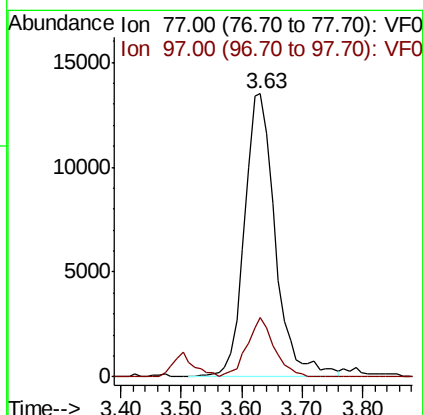
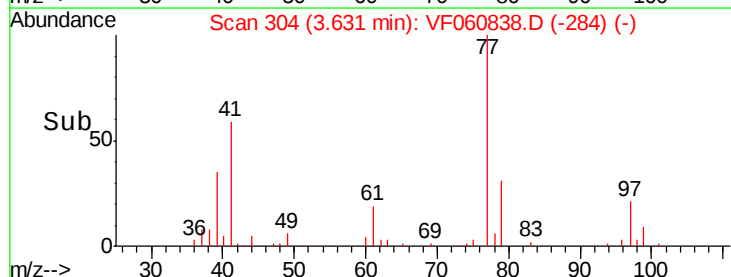
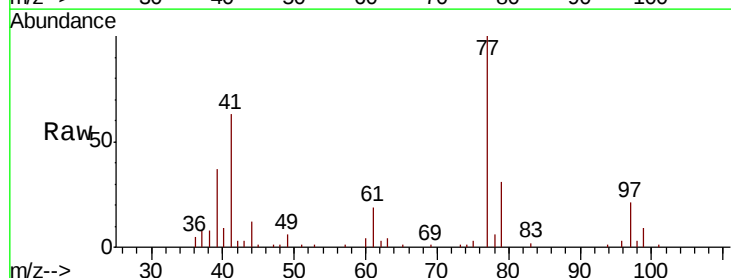
Acq: 27 Nov 2018 15:01

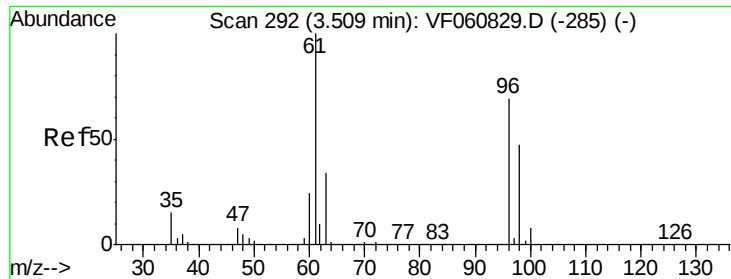
Tgt Ion: 77 Resp: 47919

Ion Ratio Lower Upper

77 100

97 21.2 8.6 25.8



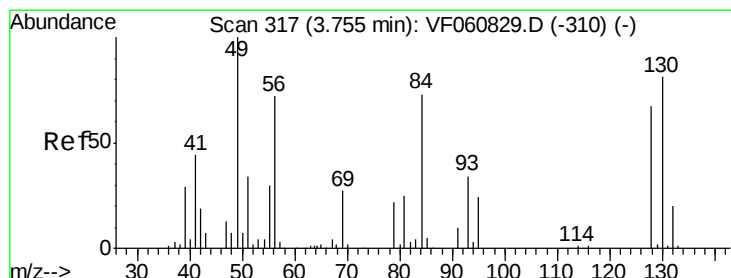
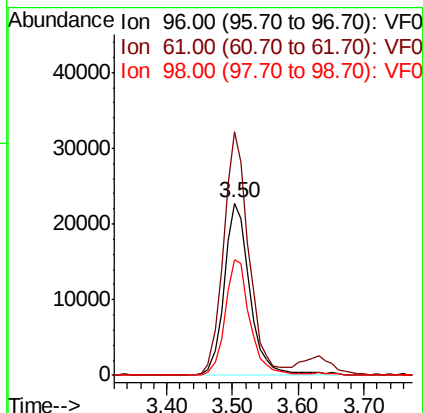
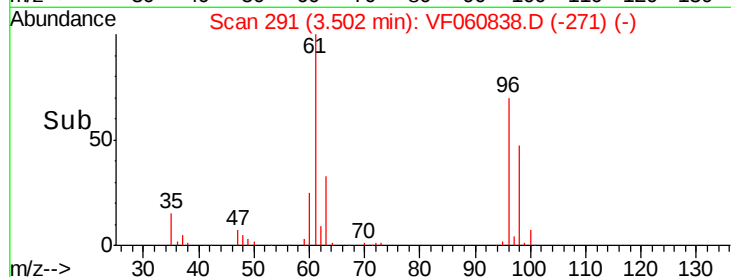
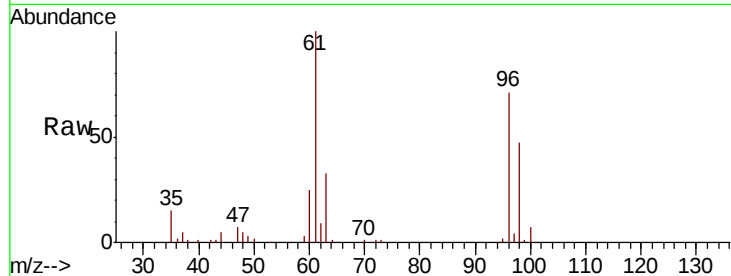


#27

cis-1,2-Dichloroethene
Concen: 23.412 ug/l
RT: 3.50 min Scan# 291
Delta R.T. -0.01 min
Lab File: VF060838.D
Acq: 27 Nov 2018 15:01

Instrument :
MSVOA_F
ClientSampleId :
VF1127SBS01

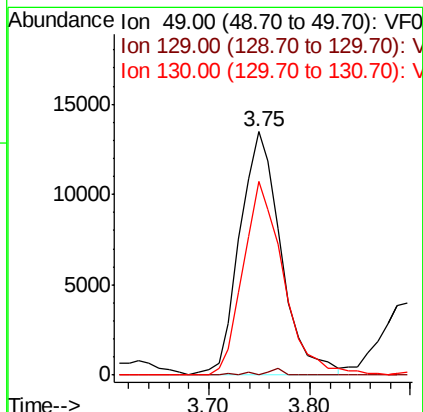
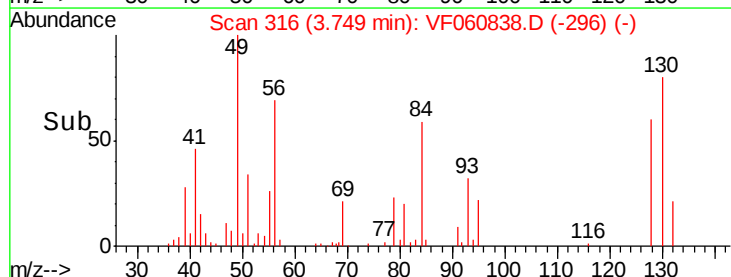
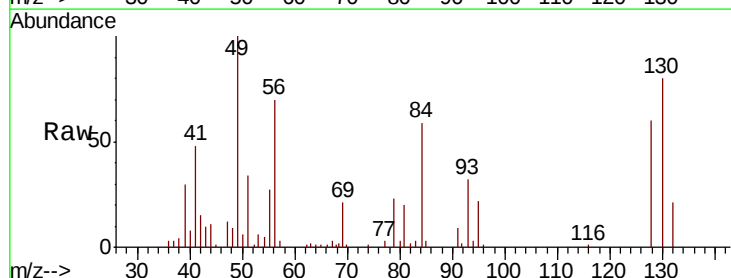
Tot Ion: 96 Resp: 62435
Ion Ratio Lower Upper
96 100
61 141.4 0.0 290.6
98 67.0 0.0 137.8

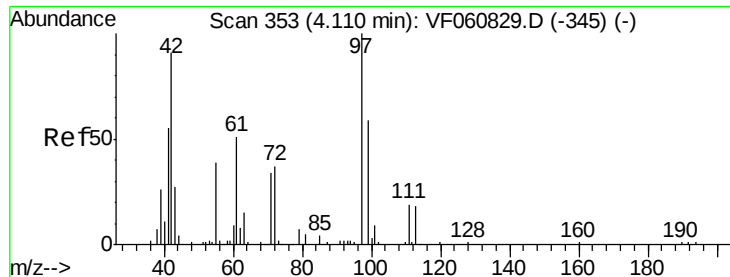


#28

Bromochloromethane
Concen: 23.367 ug/l
RT: 3.75 min Scan# 316
Delta R.T. -0.01 min
Lab File: VF060838.D
Acq: 27 Nov 2018 15:01

Tgt Ion: 49 Resp: 38463
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.4
130 79.6 64.2 96.4

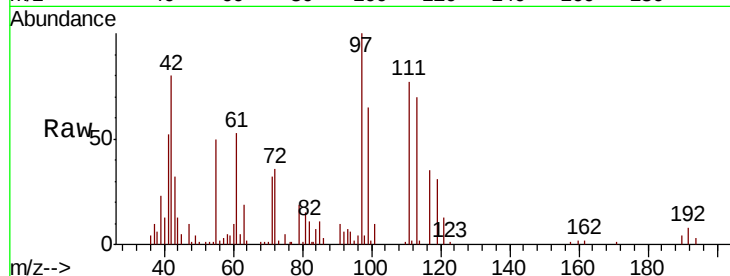




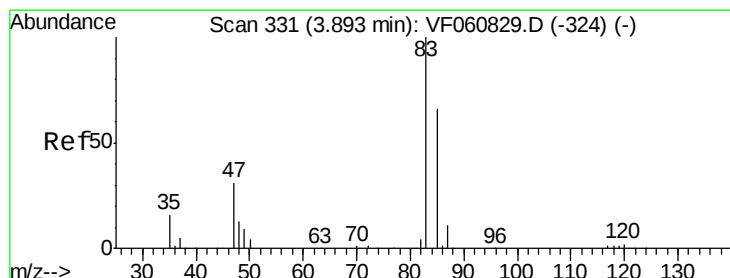
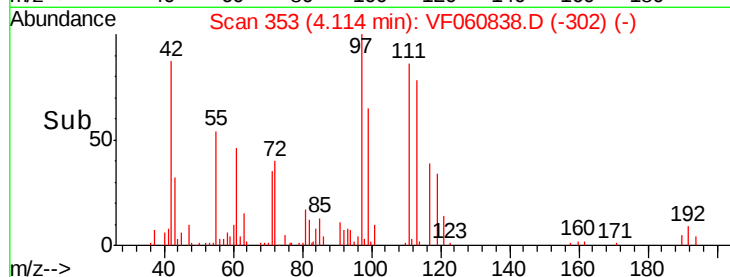
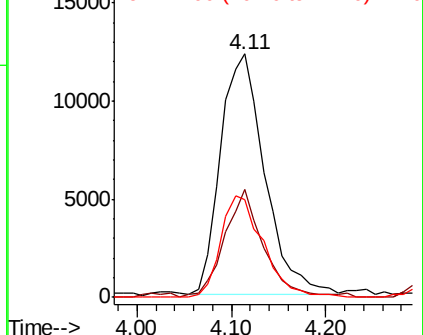
#29
Tetrahydrofuran
Concen: 116.163 ug/l
RT: 4.11 min Scan# 353
Delta R.T. 0.00 min
Lab File: VF060838.D
Acq: 27 Nov 2018 15:01

Instrument :
MSVOA_F
ClientSampleId :
VF1127SBS01

Tot Ion: 42 Resp: 39702
Ion Ratio Lower Upper
42 100
72 40.0 31.9 47.9
71 40.7 28.7 43.1

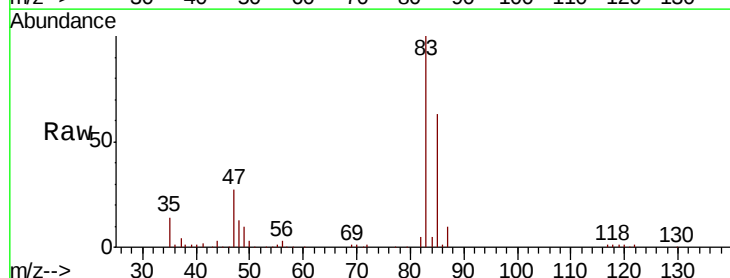


Abundance Ion 42.00 (41.70 to 42.70): VF0
Ion 72.00 (71.70 to 72.70): VF0
Ion 71.00 (70.70 to 71.70): VF0

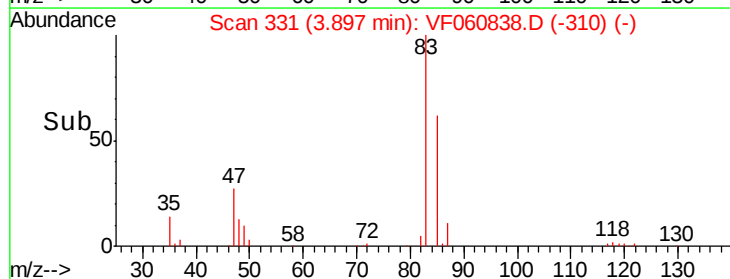
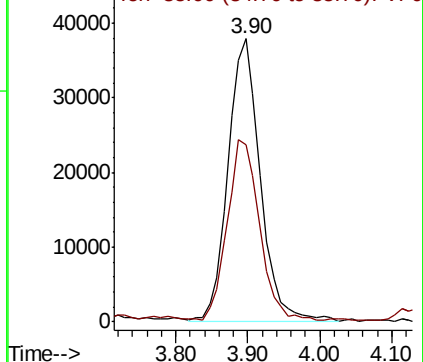


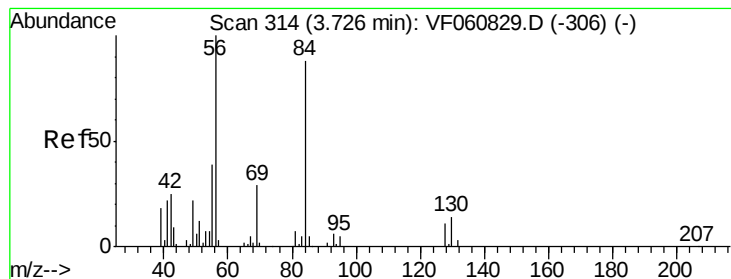
#30
Chloroform
Concen: 22.493 ug/l
RT: 3.90 min Scan# 331
Delta R.T. 0.00 min
Lab File: VF060838.D
Acq: 27 Nov 2018 15:01

Tgt Ion: 83 Resp: 118733
Ion Ratio Lower Upper
83 100
85 62.7 53.4 80.2



Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 85.00 (84.70 to 85.70): VF0





#31

Cvclohexane

Concen: 13.141 ug/l

RT: 3.72 min Scan# 313

Delta R.T. -0.01 min

Lab File: VF060838.D

Acq: 27 Nov 2018 15:01

Instrument :

MSVOA_F

ClientSampleId :

VF1127SBSD01

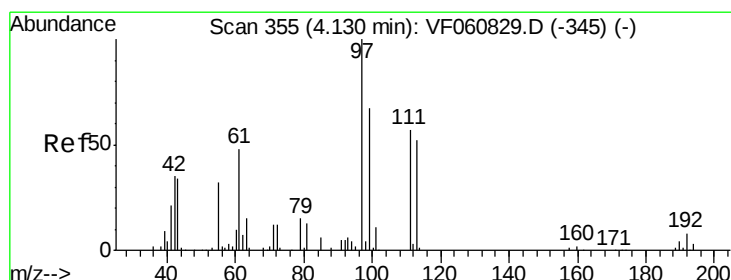
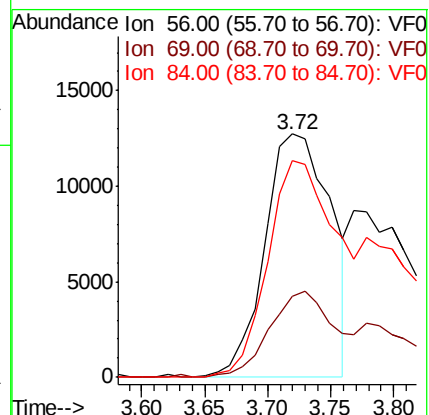
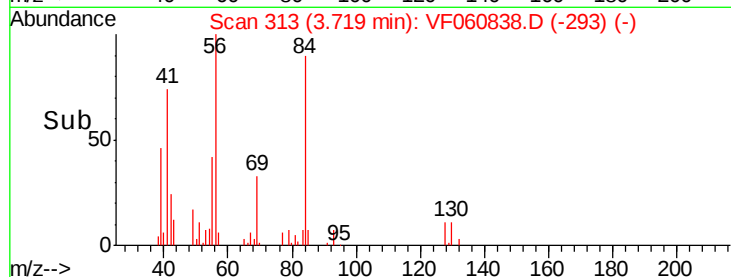
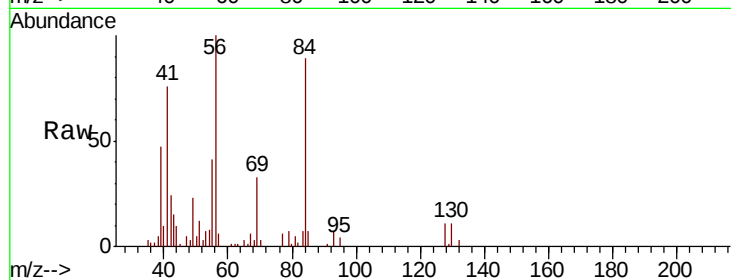
Tot Ion: 56 Resp: 46776

Ion Ratio Lower Upper

56 100

69 33.1 23.0 34.4

84 89.2 70.4 105.6



#32

1,1,1-Trichloroethane

Concen: 19.934 ug/l

RT: 4.13 min Scan# 355

Delta R.T. 0.00 min

Lab File: VF060838.D

Acq: 27 Nov 2018 15:01

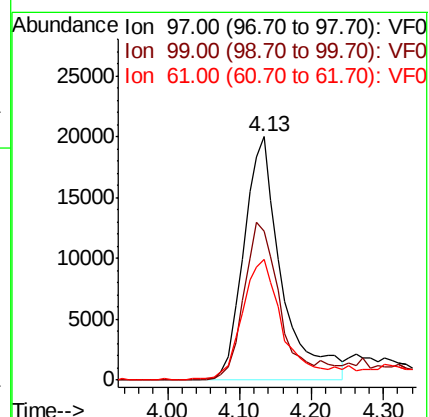
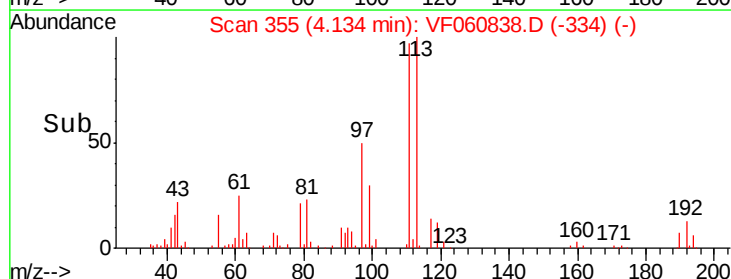
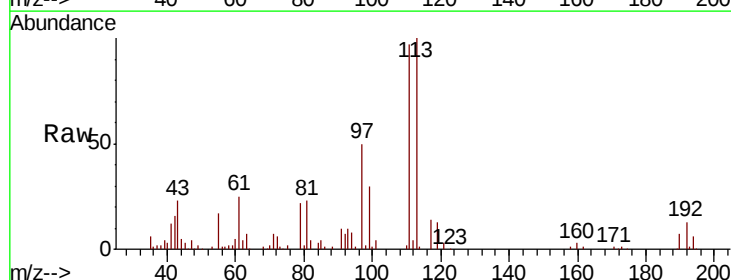
Tgt Ion: 97 Resp: 72974

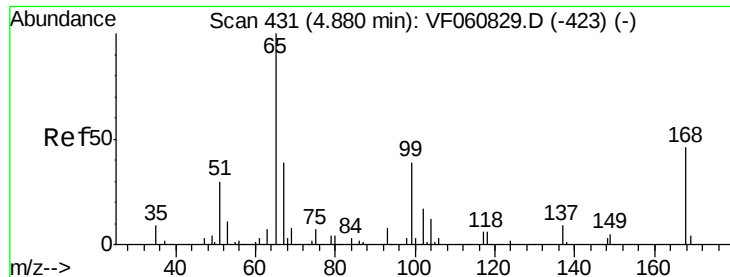
Ion Ratio Lower Upper

97 100

99 61.3 53.5 80.3

61 49.8 38.6 58.0





#33

1,2-Dichloroethane-d4

Concen: 53.629 ug/l

RT: 4.88 min Scan# 431

Delta R.T. 0.00 min

Lab File: VF060838.D

Acq: 27 Nov 2018 15:01

Instrument :

MSVOA_F

ClientSampleId :

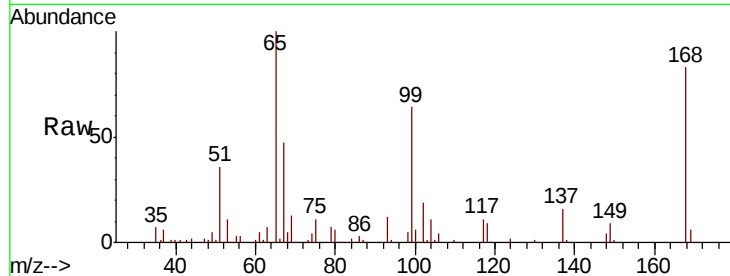
VF1127SBS01

Tot Ion: 65 Resp: 135571

Ion Ratio Lower Upper

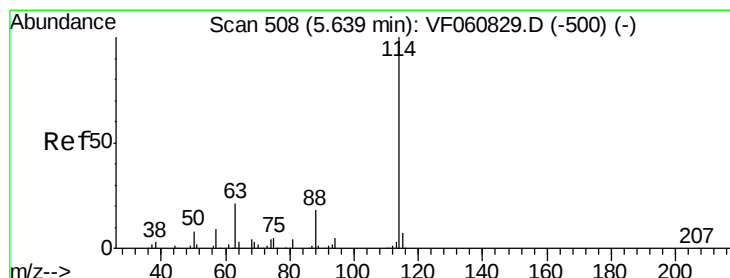
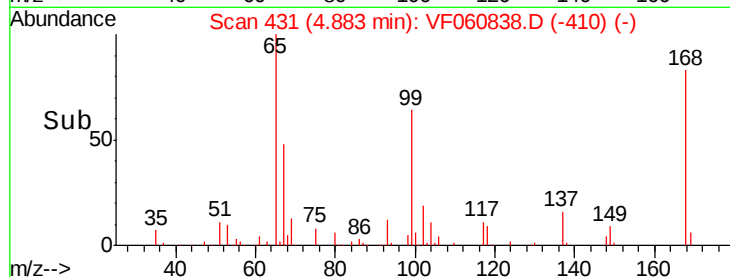
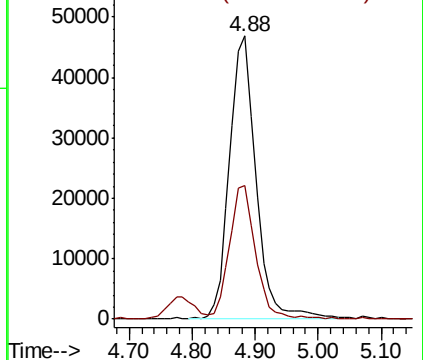
65 100

67 47.4 0.0 96.4



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 507

Delta R.T. -0.01 min

Lab File: VF060838.D

Acq: 27 Nov 2018 15:01

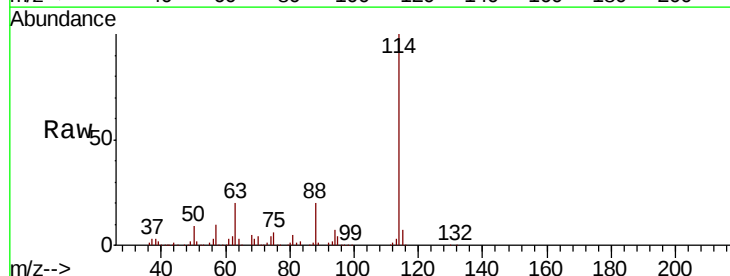
Tgt Ion: 114 Resp: 368070

Ion Ratio Lower Upper

114 100

63 19.7 0.0 41.6

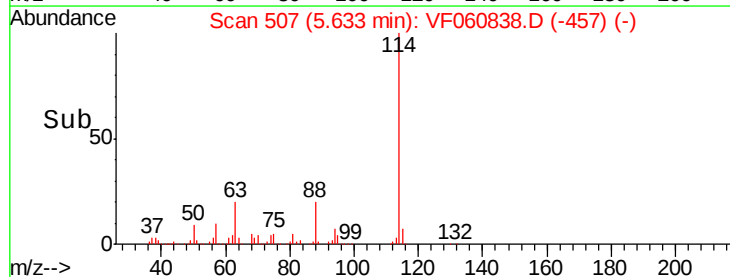
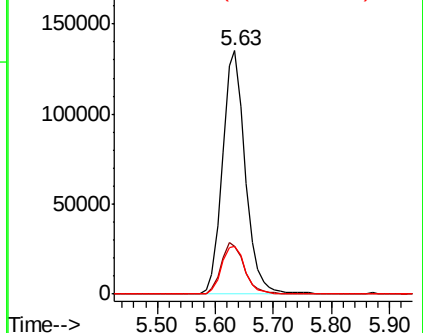
88 19.6 0.0 36.6



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

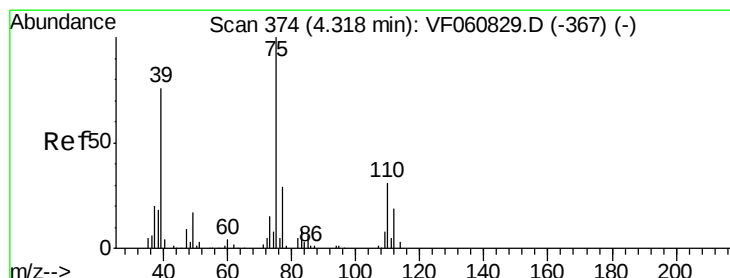
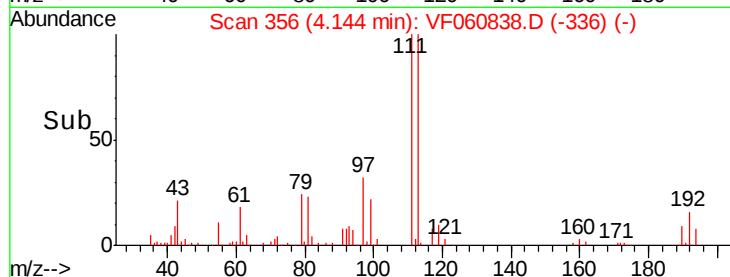
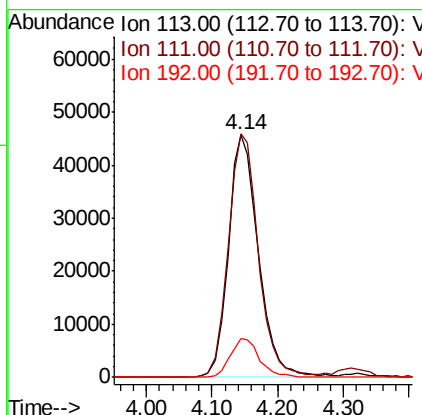
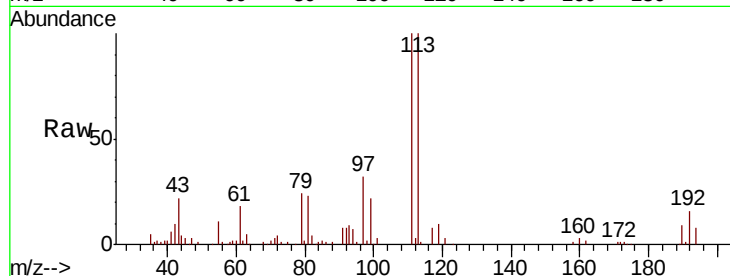




#35
 Dibromofluoromethane
 Concen: 49.924 ug/l
 RT: 4.14 min Scan# 356
 Delta R.T. -0.01 min
 Lab File: VF060838.D
 Acq: 27 Nov 2018 15:01

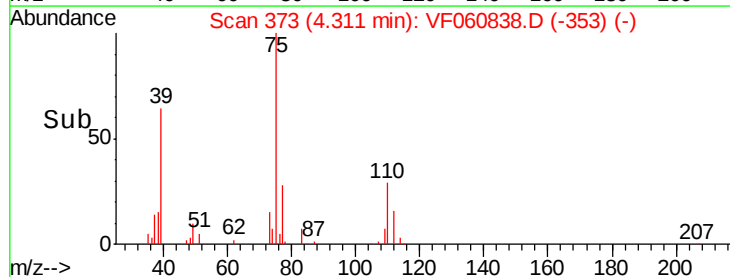
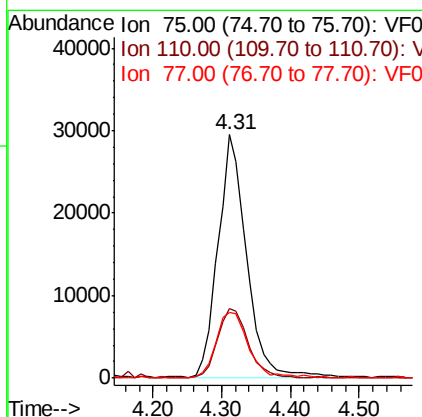
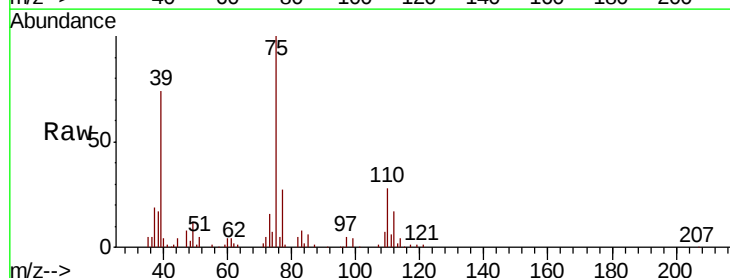
Instrument :
 MSVOA_F
 ClientSampleId :
 VF1127SBSD01

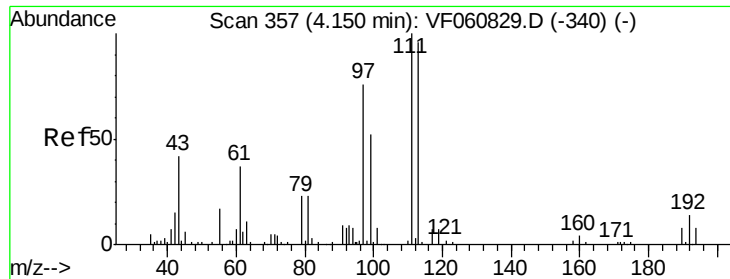
Tot Ion:113 Resp: 145779
 Ion Ratio Lower Upper
 113 100
 111 100.2 83.0 124.6
 192 16.2 12.3 18.5



#36
 1,1-Dichloropropene
 Concen: 20.955 ug/l
 RT: 4.31 min Scan# 373
 Delta R.T. -0.01 min
 Lab File: VF060838.D
 Acq: 27 Nov 2018 15:01

Tgt Ion: 75 Resp: 85548
 Ion Ratio Lower Upper
 75 100
 110 28.5 15.6 46.8
 77 26.9 23.4 35.0

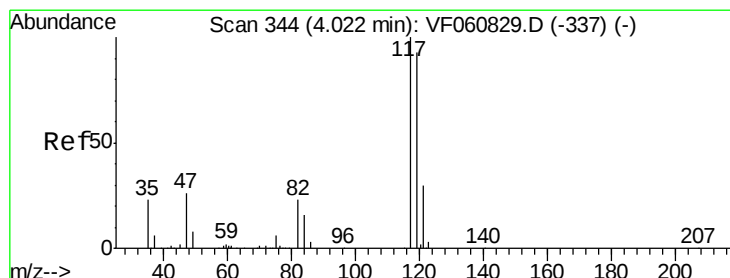
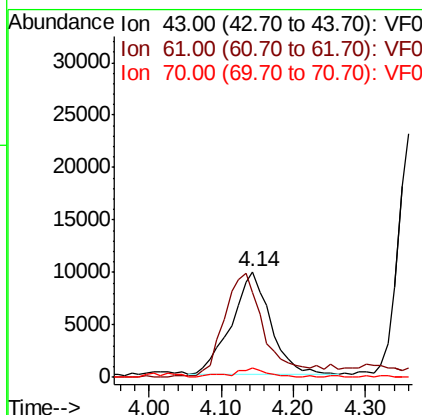
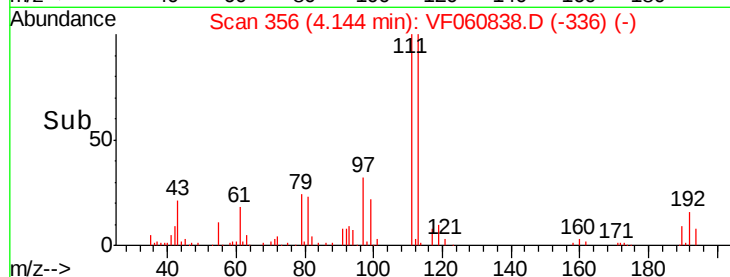
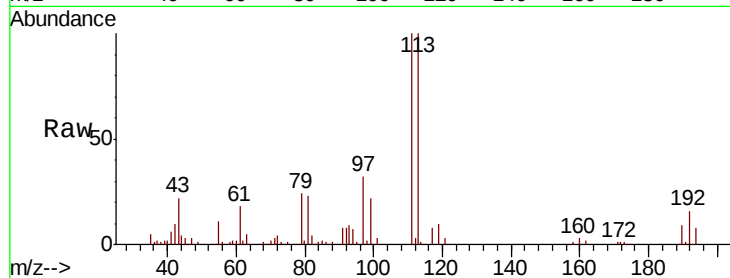




#37
Ethyl Acetate
Concen: 22.393 ug/l
RT: 4.14 min Scan# 356
Delta R.T. -0.01 min
Lab File: VF060838.D
Acq: 27 Nov 2018 15:01

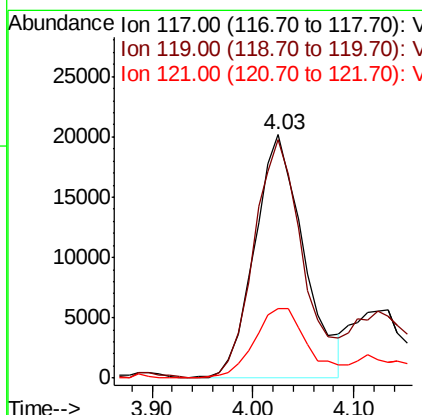
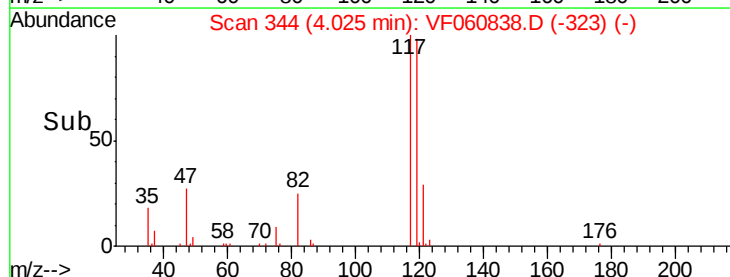
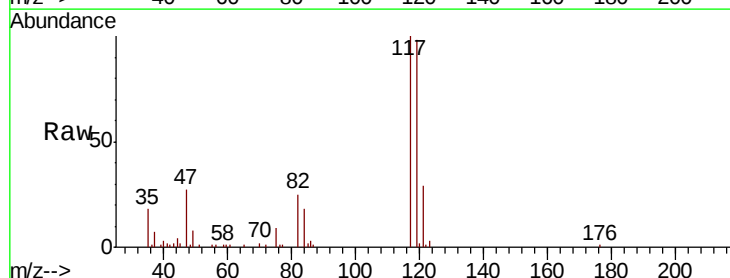
Instrument :
MSVOA_F
ClientSampleId :
VF1127SBS01

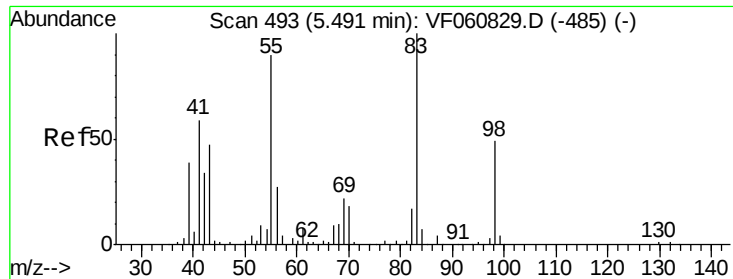
Tot Ion: 43 Resp: 37151
Ion Ratio Lower Upper
43 100
61 80.0 68.6 103.0
70 9.1 9.0 13.4



#38
Carbon Tetrachloride
Concen: 19.047 ug/l
RT: 4.03 min Scan# 344
Delta R.T. 0.00 min
Lab File: VF060838.D
Acq: 27 Nov 2018 15:01

Tgt Ion:117 Resp: 68682
Ion Ratio Lower Upper
117 100
119 98.0 74.4 111.6
121 28.7 23.5 35.3

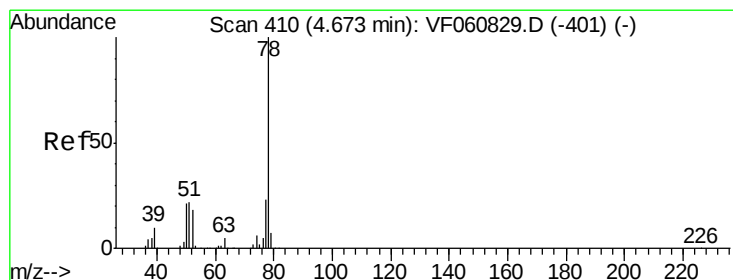
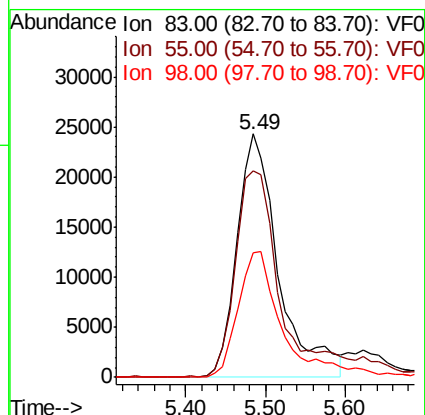
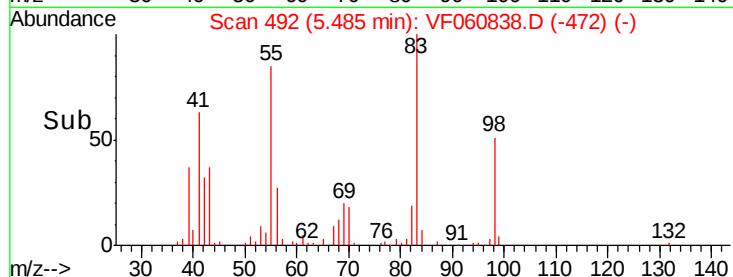
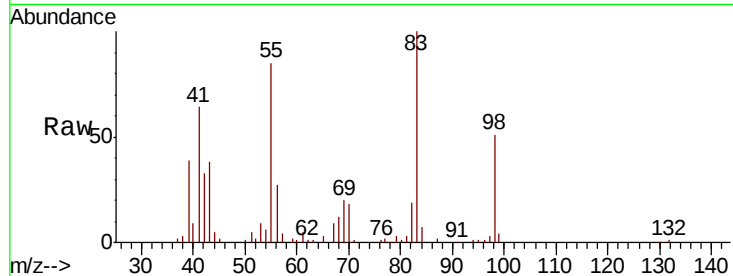




#39
Methvlcvclohexane
Concen: 20.593 ug/l
RT: 5.49 min Scan# 492
Delta R.T. -0.01 min
Lab File: VF060838.D
Acq: 27 Nov 2018 15:01

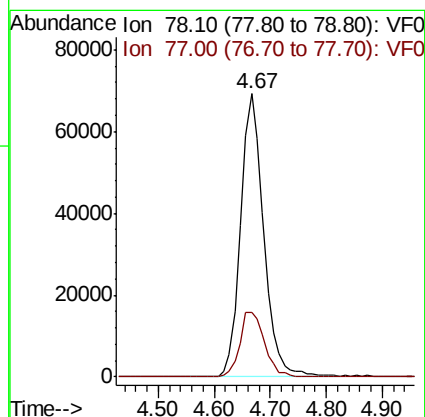
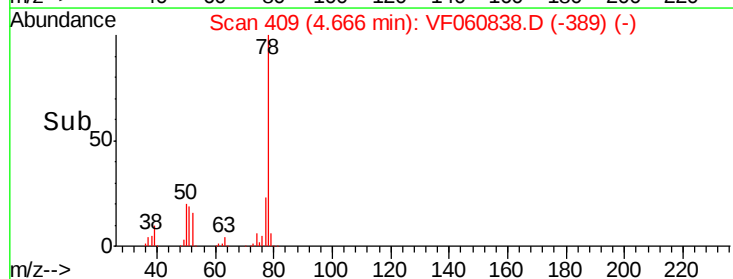
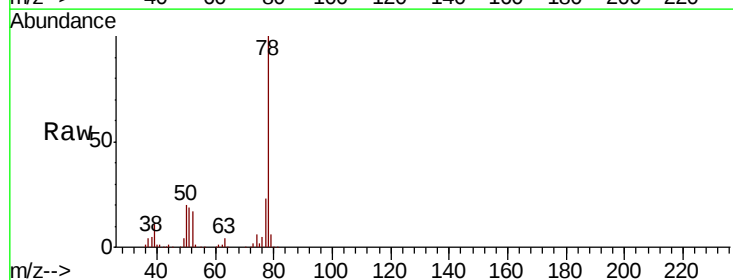
Instrument :
MSVOA_F
ClientSampleId :
VF1127SBS01

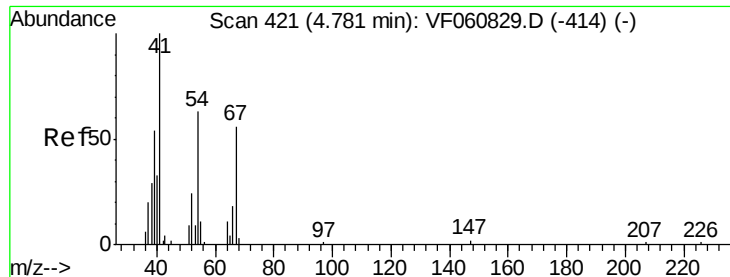
Tot Ion: 83 Resp: 88105
Ion Ratio Lower Upper
83 100
55 84.7 72.1 108.1
98 51.4 39.1 58.7



#40
Benzene
Concen: 21.975 ug/l
RT: 4.67 min Scan# 409
Delta R.T. -0.01 min
Lab File: VF060838.D
Acq: 27 Nov 2018 15:01

Tgt Ion: 78 Resp: 198193
Ion Ratio Lower Upper
78 100
77 22.8 18.7 28.1

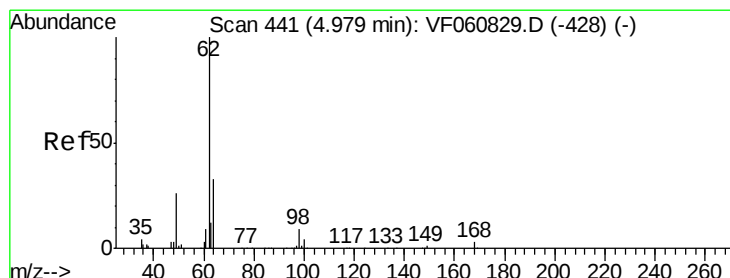
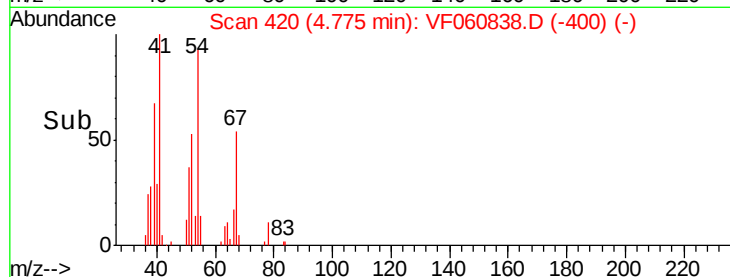
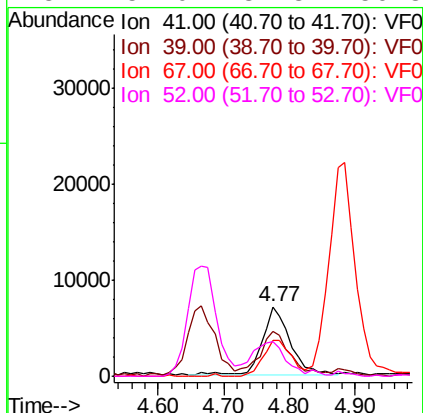
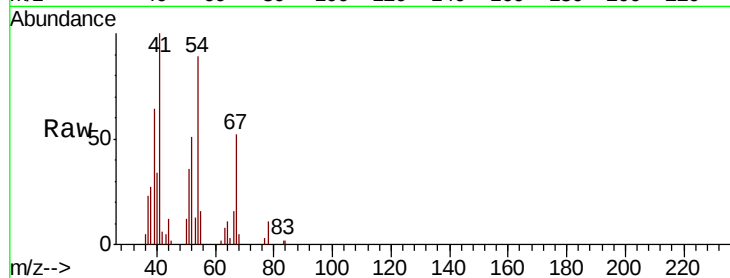




#41
Methacrylonitrile
Concen: 22.731 ug/l
RT: 4.77 min Scan# 420
Delta R.T. -0.01 min
Lab File: VF060838.D
Acq: 27 Nov 2018 15:01

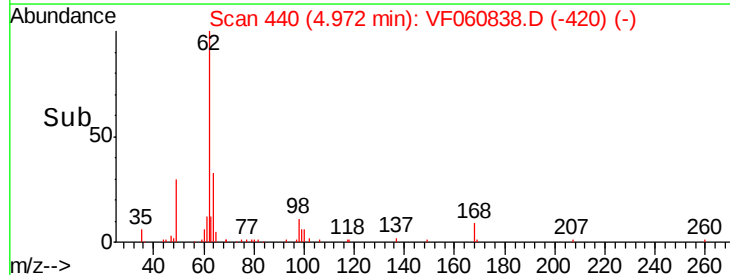
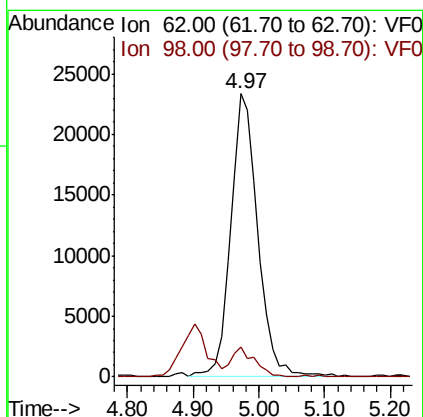
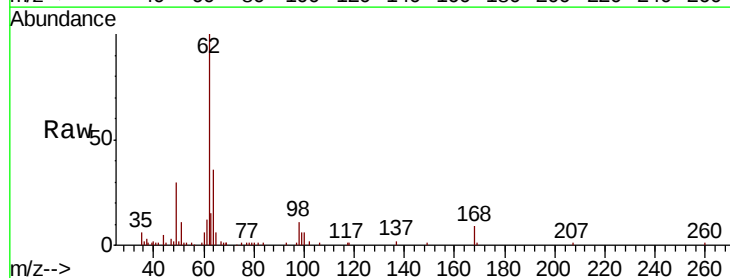
Instrument :
MSVOA_F
ClientSampleId :
VF1127SBS01

Tot Ion:	41	Resp:	21342
Ion	Ratio	Lower	Upper
41	100		
39	64.1	53.0	79.6
67	52.2	43.8	65.6
52	51.0	37.8	56.8



#42
1,2-Dichloroethane
Concen: 20.494 ug/l
RT: 4.97 min Scan# 440
Delta R.T. -0.01 min
Lab File: VF060838.D
Acq: 27 Nov 2018 15:01

Tgt Ion:	62	Resp:	67479
Ion	Ratio	Lower	Upper
62	100		
98	10.8	0.0	17.2



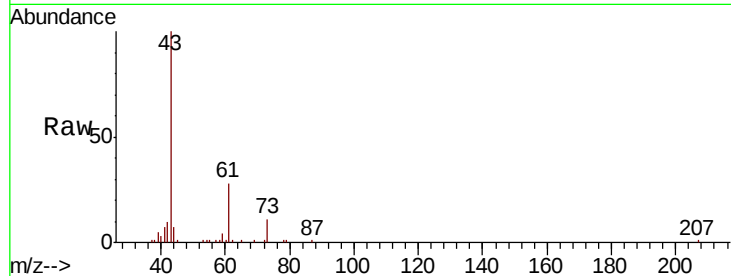


#43

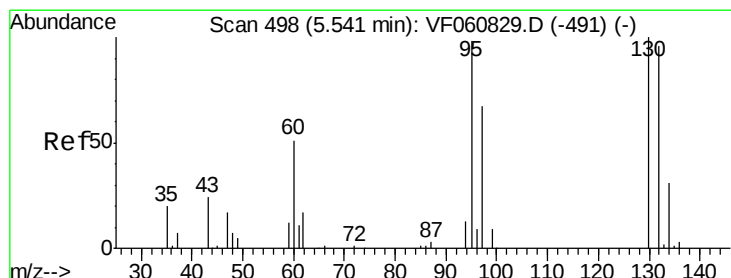
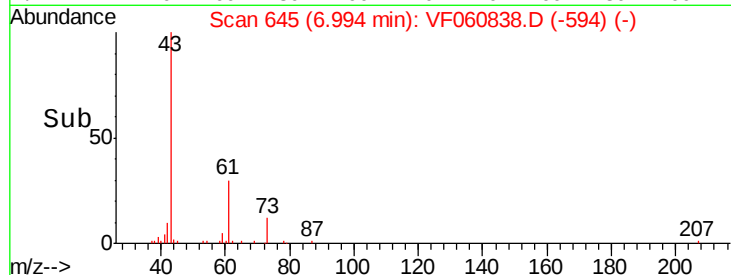
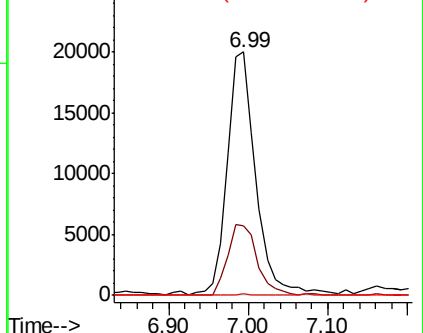
Isopropyl Acetate
 Concen: 23.286 ug/l
 RT: 6.99 min Scan# 645
 Delta R.T. 0.00 min
 Lab File: VF060838.D
 Acq: 27 Nov 2018 15:01

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1127SBS01

Tot Ion: 43 Resp: 50639
 Ion Ratio Lower Upper
 43 100
 61 28.5 21.4 32.0
 87 0.9 0.2 0.4#



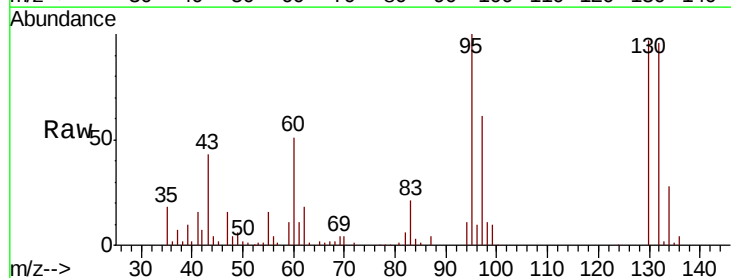
Abundance Ion 43.00 (42.70 to 43.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 87.00 (86.70 to 87.70): VF0



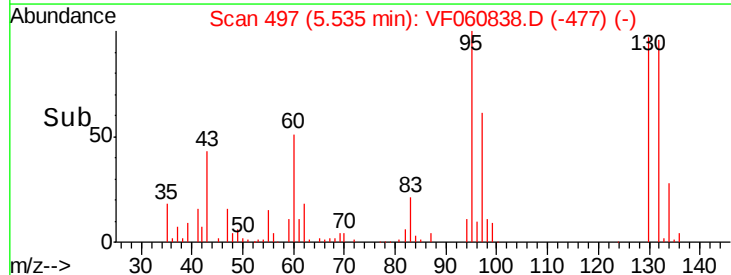
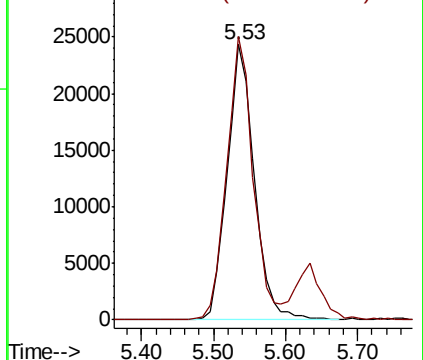
#44

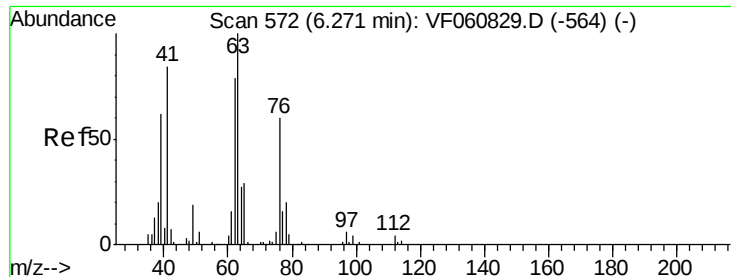
Trichloroethene
 Concen: 21.624 ug/l
 RT: 5.53 min Scan# 497
 Delta R.T. -0.01 min
 Lab File: VF060838.D
 Acq: 27 Nov 2018 15:01

Tgt Ion: 130 Resp: 63769
 Ion Ratio Lower Upper
 130 100
 95 102.9 0.0 195.6



Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 23.421 ug/l

RT: 6.26 min Scan# 571

Delta R.T. -0.01 min

Lab File: VF060838.D

Acq: 27 Nov 2018 15:01

Instrument :

MSVOA_F

ClientSampleId :

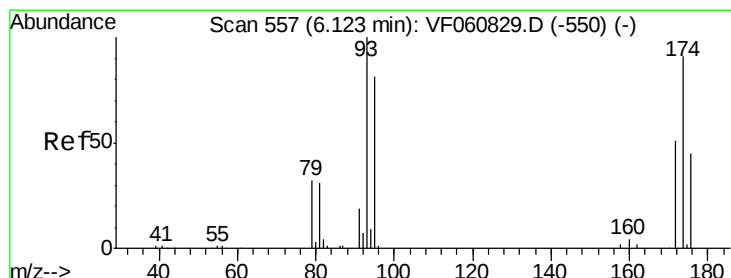
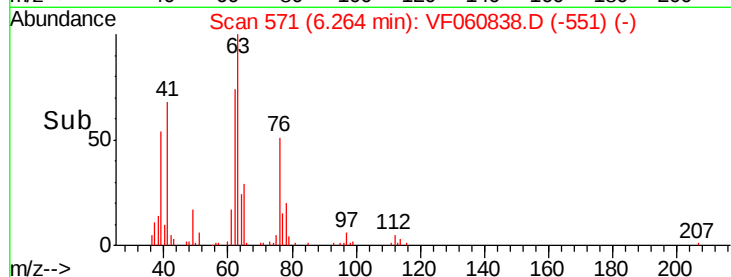
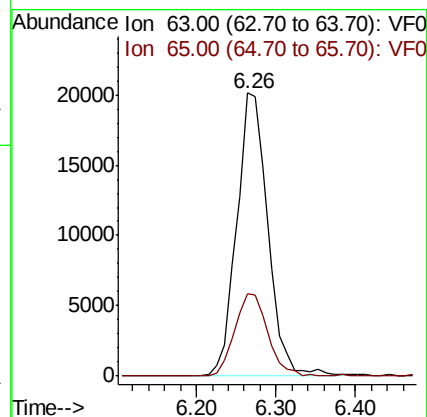
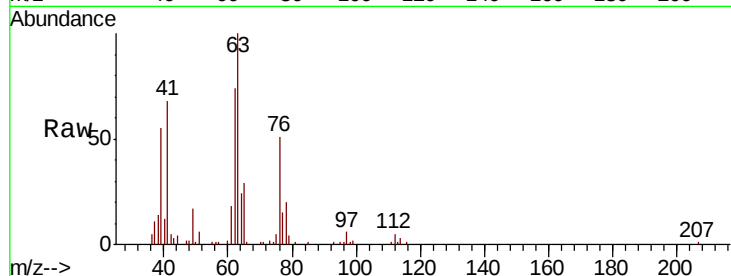
VF1127SBS01

Tot Ion: 63 Resp: 54862

Ion Ratio Lower Upper

63 100

65 29.2 23.2 34.8



#46

Dibromomethane

Concen: 21.349 ug/l

RT: 6.12 min Scan# 556

Delta R.T. -0.01 min

Lab File: VF060838.D

Acq: 27 Nov 2018 15:01

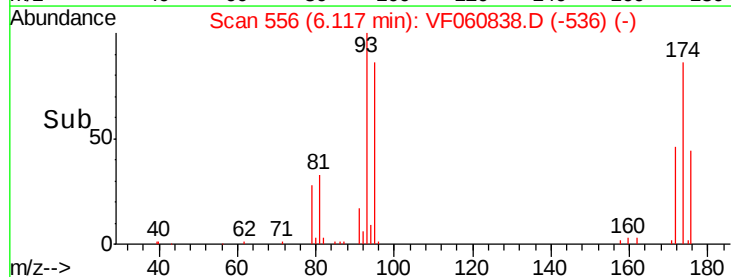
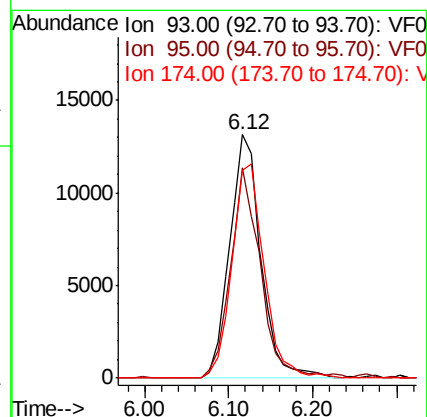
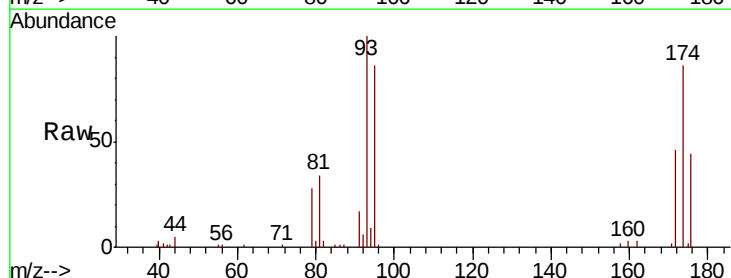
Tgt Ion: 93 Resp: 33924

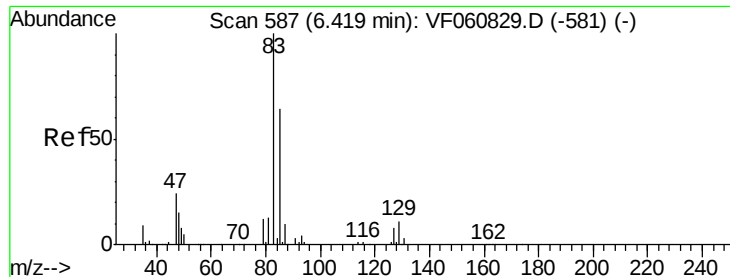
Ion Ratio Lower Upper

93 100

95 86.4 64.7 97.1

174 85.6 73.0 109.6





#47

Bromodichloromethane

Concen: 20.747 ug/l

RT: 6.42 min Scan# 587

Delta R.T. 0.00 min

Lab File: VF060838.D

Acq: 27 Nov 2018 15:01

Instrument :

MSVOA_F

ClientSampleId :

VF1127SBS01

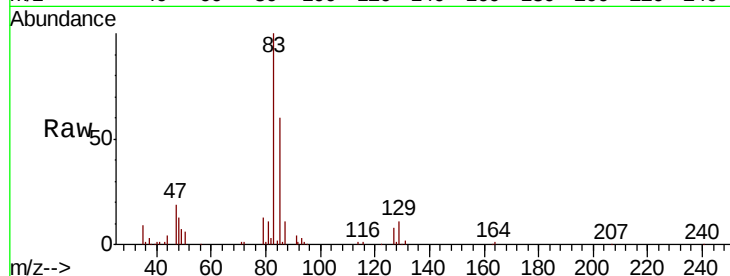
Tot Ion: 83 Resp: 87561

Ion Ratio Lower Upper

83 100

85 60.4 51.1 76.7

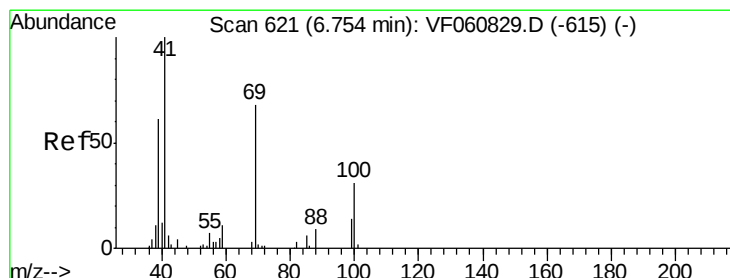
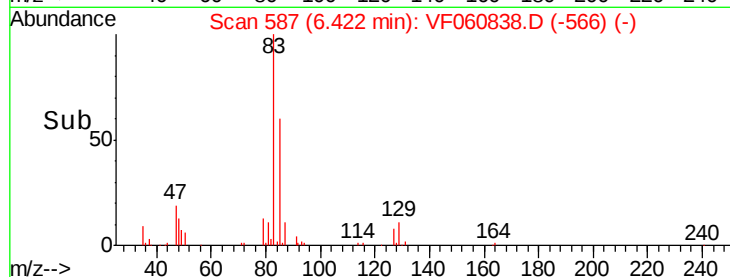
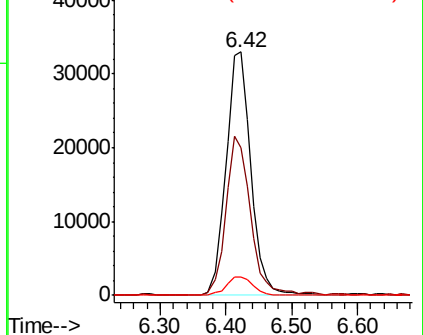
127 7.8 6.8 10.2



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: 21.876 ug/l

RT: 6.75 min Scan# 620

Delta R.T. -0.01 min

Lab File: VF060838.D

Acq: 27 Nov 2018 15:01

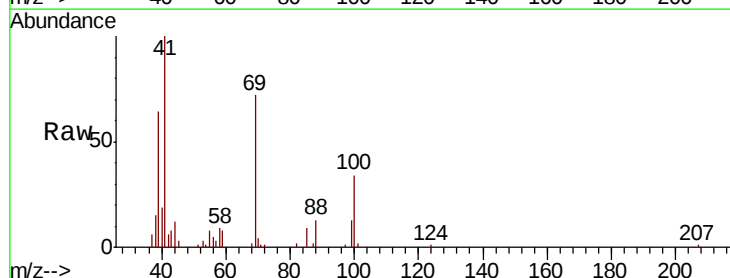
Tgt Ion: 41 Resp: 32851

Ion Ratio Lower Upper

41 100

69 72.0 53.9 80.9

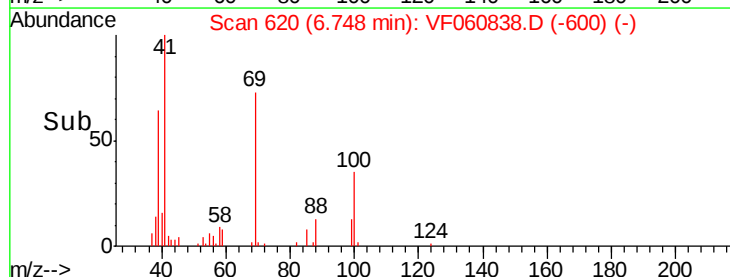
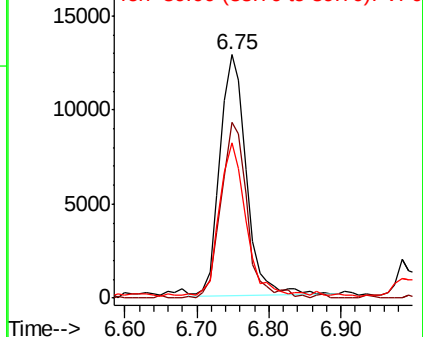
39 63.6 49.0 73.6

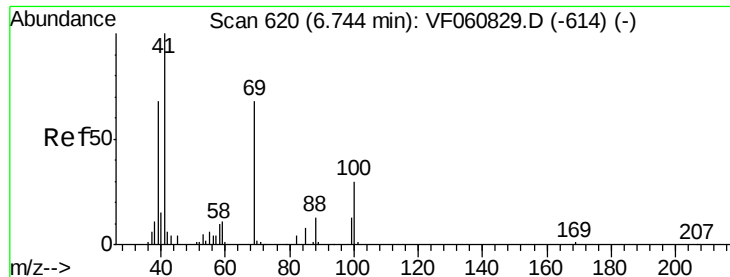


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

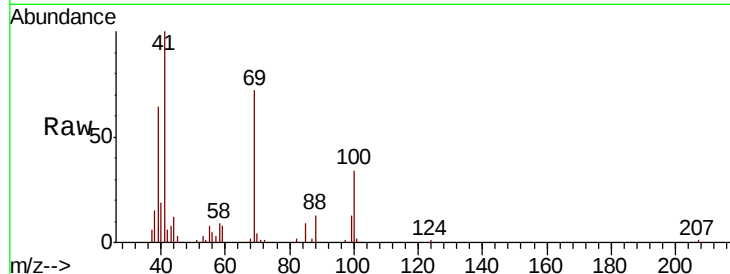




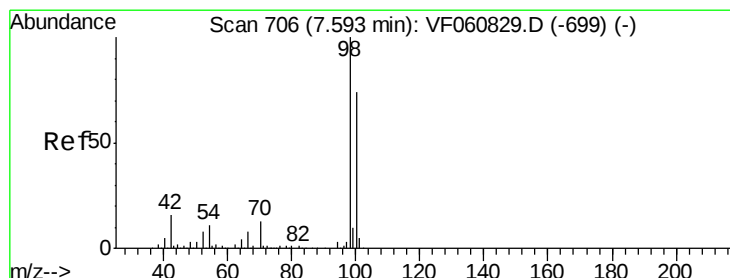
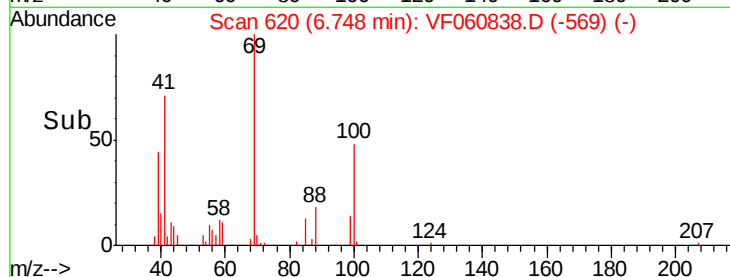
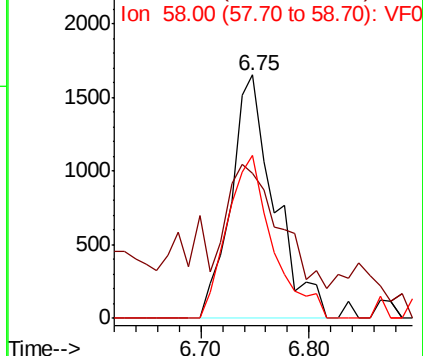
#49
1,4-Dioxane
Concen: 421.727 ug/l
RT: 6.75 min Scan# 620
Delta R.T. 0.00 min
Lab File: VF060838.D
Acq: 27 Nov 2018 15:01

Instrument :
MSVOA_F
ClientSampleId :
VF1127SBSD01

Tot Ion: 88 Resp: 4635
Ion Ratio Lower Upper
88 100
43 59.6 42.0 63.0
58 67.0 61.8 92.8

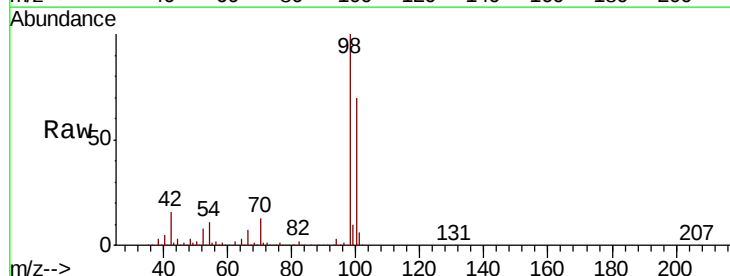


Abundance Ion 88.00 (87.70 to 88.70): VF0
Ion 43.00 (42.70 to 43.70): VF0
Ion 58.00 (57.70 to 58.70): VF0

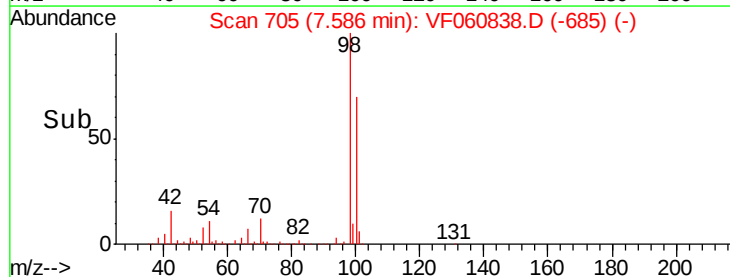
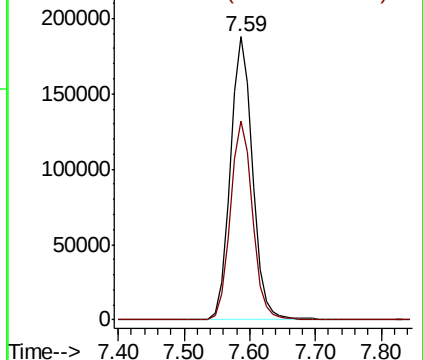


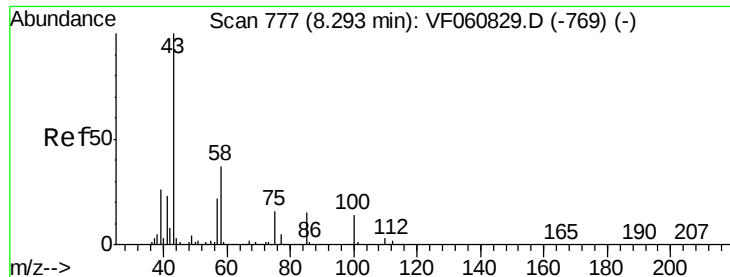
#50
Toluene-d8
Concen: 51.839 ug/l
RT: 7.59 min Scan# 705
Delta R.T. -0.01 min
Lab File: VF060838.D
Acq: 27 Nov 2018 15:01

Tgt Ion: 98 Resp: 445892
Ion Ratio Lower Upper
98 100
100 70.1 59.3 88.9



Abundance Ion 98.00 (97.70 to 98.70): VF0
Ion 100.00 (99.70 to 100.70): VF0





#51

4-Methyl-2-Pentanone

Concen: 118.728 ug/l

RT: 8.29 min Scan# 776

Delta R.T. -0.01 min

Lab File: VF060838.D

Acq: 27 Nov 2018 15:01

Instrument :

MSVOA_F

ClientSampleId :

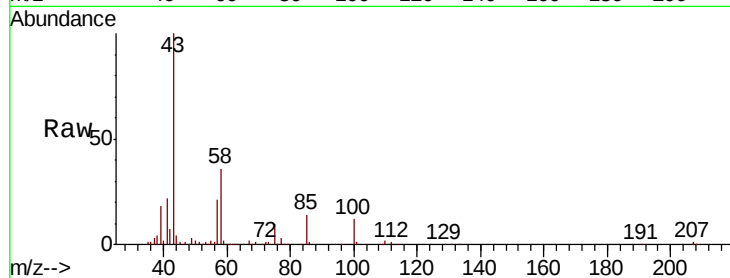
VF1127SBS01

Tot Ion: 43 Resp: 181641

Ion Ratio Lower Upper

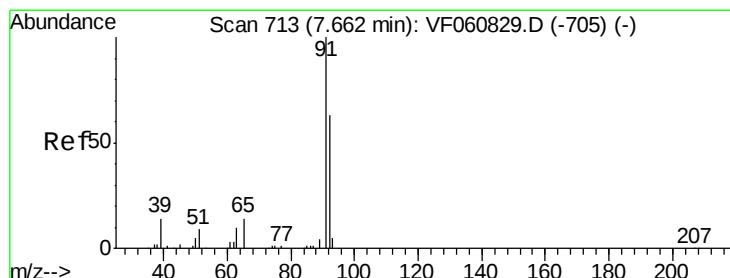
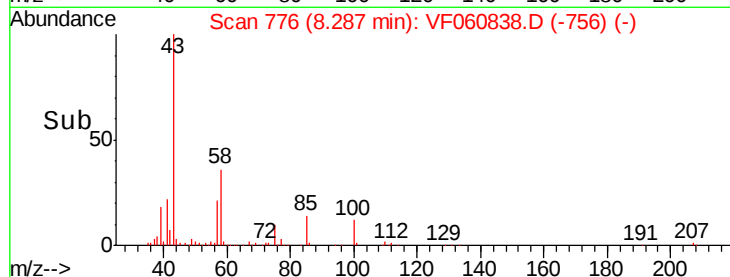
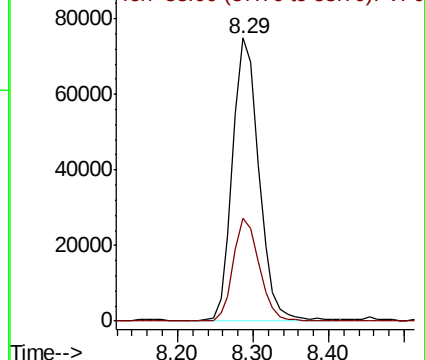
43 100

58 36.1 29.7 44.5



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 21.074 ug/l

RT: 7.66 min Scan# 712

Delta R.T. -0.01 min

Lab File: VF060838.D

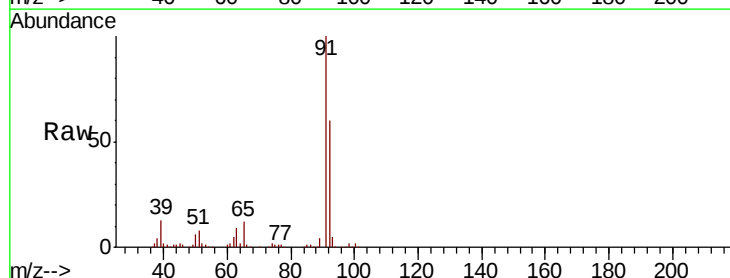
Acq: 27 Nov 2018 15:01

Tgt Ion: 92 Resp: 133507

Ion Ratio Lower Upper

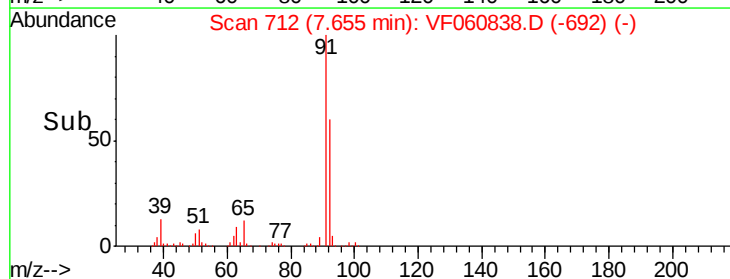
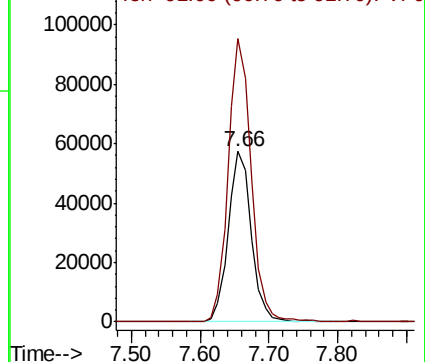
92 100

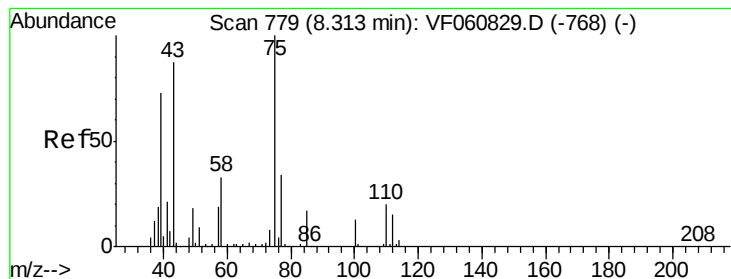
91 165.9 126.2 189.2



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 22.061 ug/l

RT: 8.32 min Scan# 779

Delta R.T. 0.00 min

Lab File: VF060838.D

Acq: 27 Nov 2018 15:01

Instrument :

MSVOA_F

ClientSampleId :

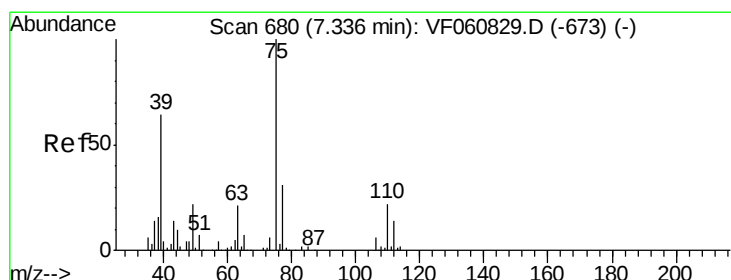
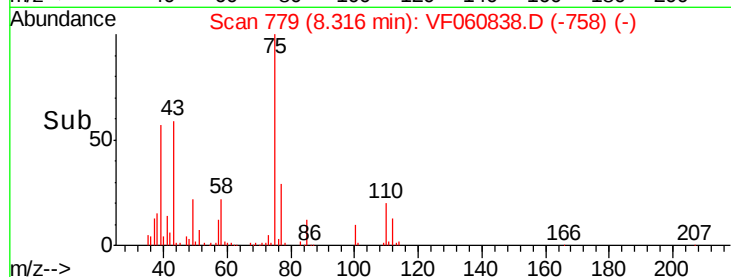
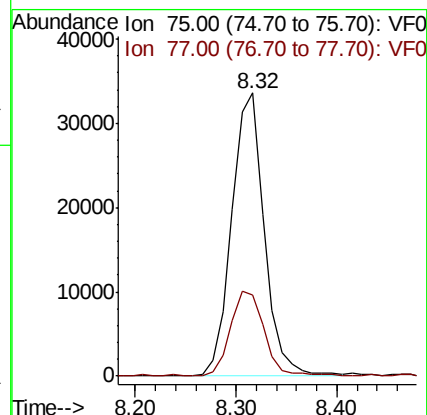
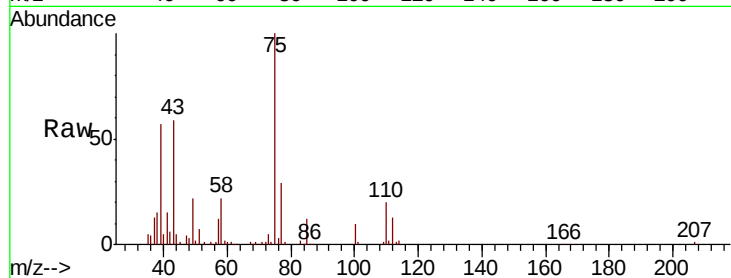
VF1127SBS01

Tot Ion: 75 Resp: 75732

Ion Ratio Lower Upper

75 100

77 28.8 27.4 41.2



#54

cis-1,3-Dichloropropene

Concen: 21.975 ug/l

RT: 7.33 min Scan# 679

Delta R.T. -0.01 min

Lab File: VF060838.D

Acq: 27 Nov 2018 15:01

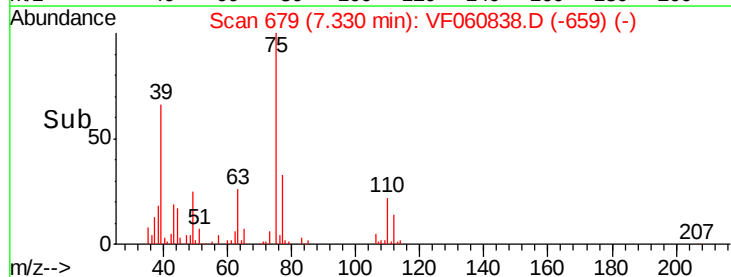
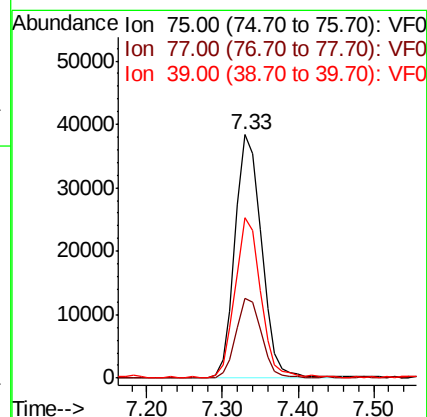
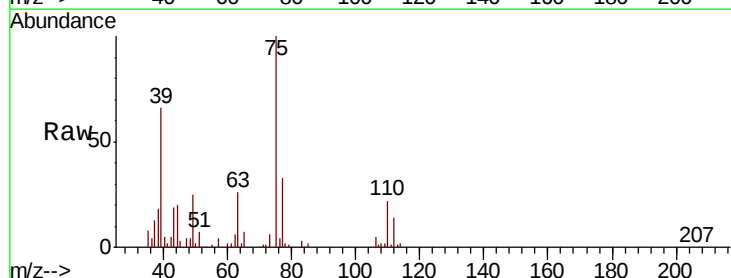
Tgt Ion: 75 Resp: 93390

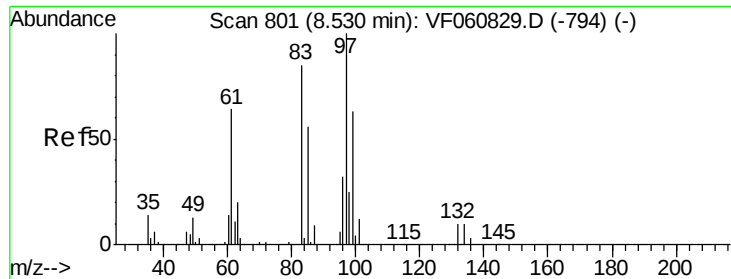
Ion Ratio Lower Upper

75 100

77 32.5 25.0 37.6

39 66.1 51.1 76.7





#55

1,1,2-Trichloroethane

Concen: 21.995 ug/l

RT: 8.52 min Scan# 800

Delta R.T. -0.01 min

Lab File: VF060838.D

Acq: 27 Nov 2018 15:01

Instrument :

MSVOA_F

ClientSampleId :

VF1127SBS01

Tot Ion: 97 Resp: 40602

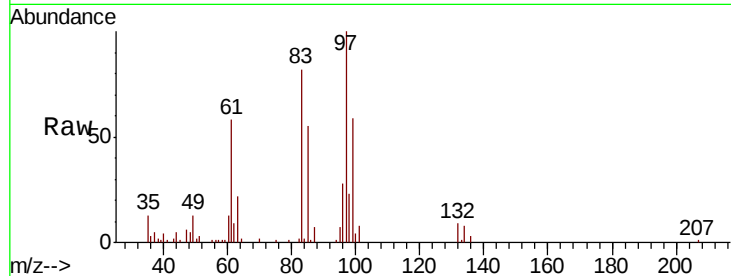
Ion Ratio Lower Upper

97 100

83 81.7 67.8 101.6

85 55.3 45.0 67.6

99 59.1 50.5 75.7

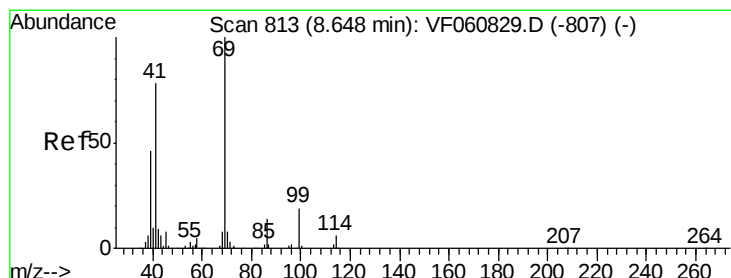
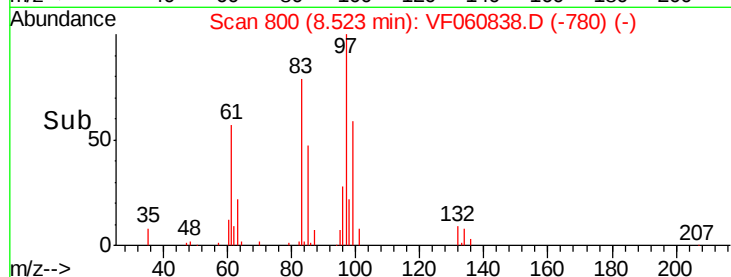
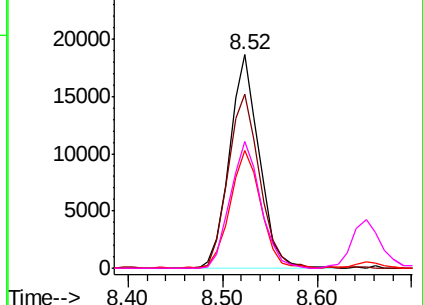


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 22.780 ug/l

RT: 8.65 min Scan# 813

Delta R.T. 0.00 min

Lab File: VF060838.D

Acq: 27 Nov 2018 15:01

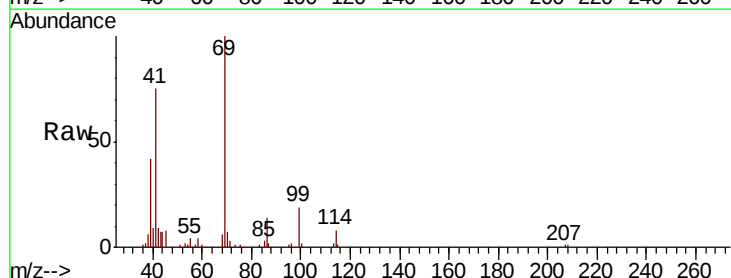
Tgt Ion: 69 Resp: 46714

Ion Ratio Lower Upper

69 100

41 74.6 62.6 94.0

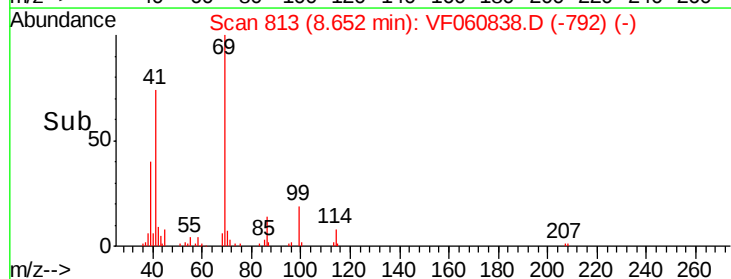
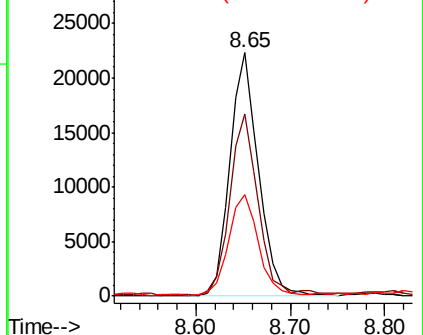
39 41.8 37.8 56.6

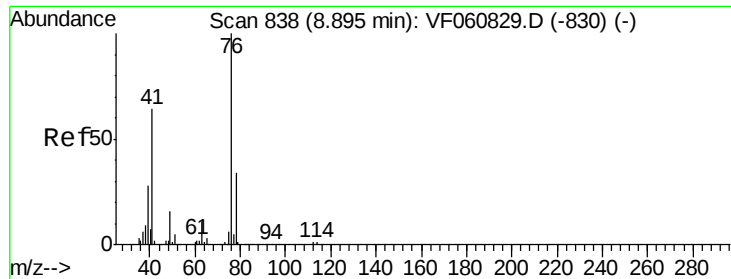


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 22.153 ug/l

RT: 8.88 min Scan# 836

Delta R.T. -0.02 min

Lab File: VF060838.D

Acq: 27 Nov 2018 15:01

Instrument :

MSVOA_F

ClientSampleId :

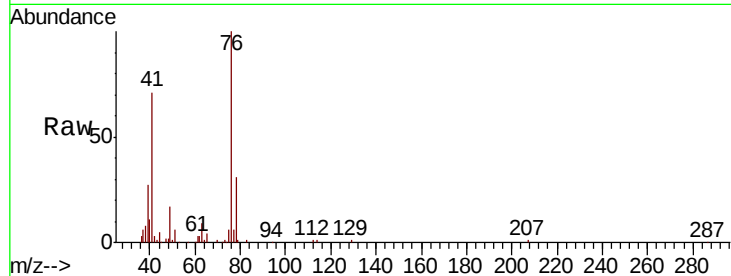
VF1127SBS01

Tot Ion: 76 Resp: 71546

Ion Ratio Lower Upper

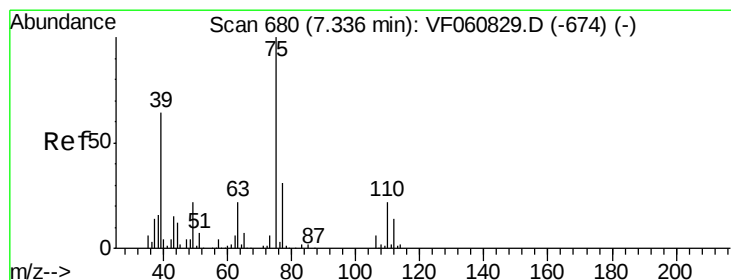
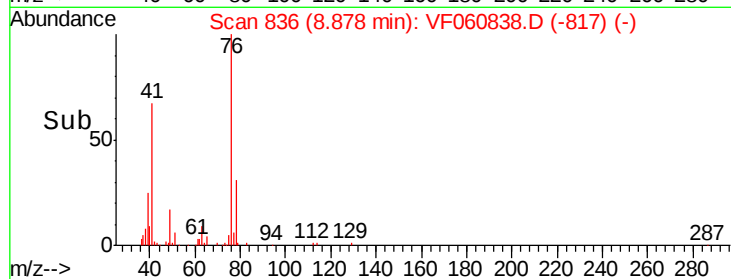
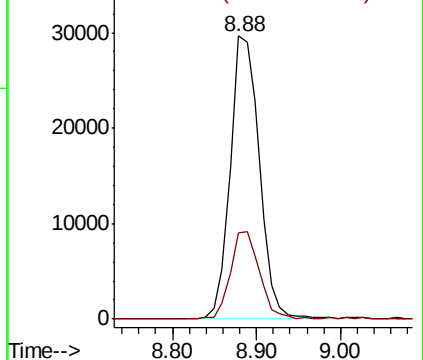
76 100

78 30.5 27.0 40.4



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: 102.826 ug/l

RT: 7.33 min Scan# 679

Delta R.T. -0.01 min

Lab File: VF060838.D

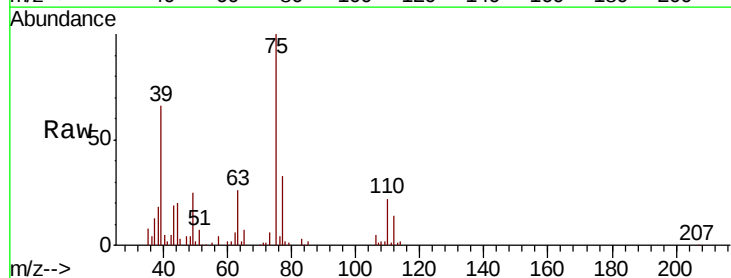
Acq: 27 Nov 2018 15:01

Tgt Ion: 63 Resp: 21568

Ion Ratio Lower Upper

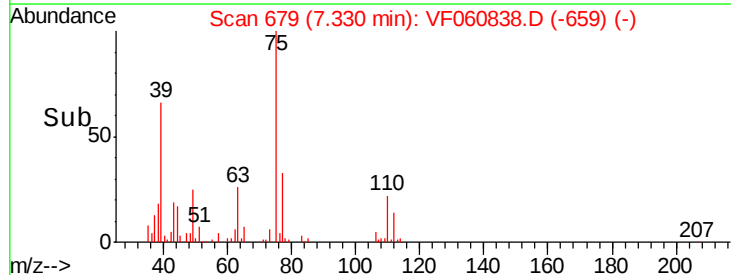
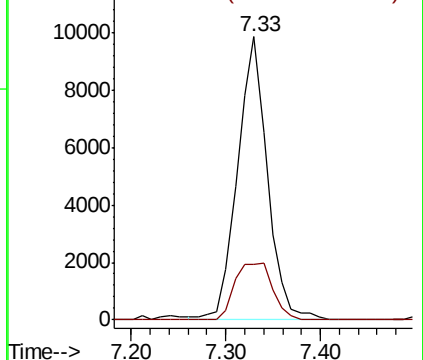
63 100

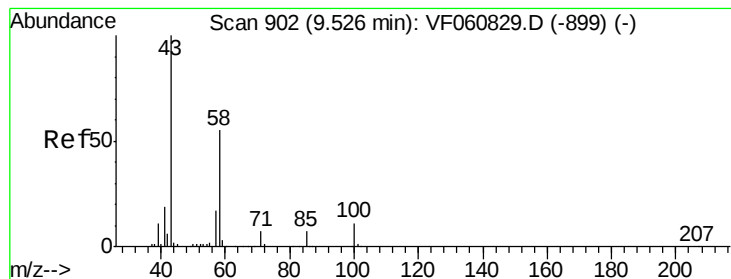
106 19.7 23.0 34.6#



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V





#59

2-Hexanone

Concen: 124.460 ug/l

RT: 9.52 min Scan# 901

Delta R.T. -0.01 min

Lab File: VF060838.D

Acq: 27 Nov 2018 15:01

Instrument :

MSVOA_F

ClientSampleId :

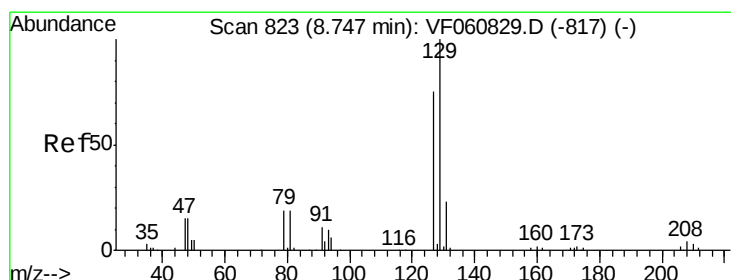
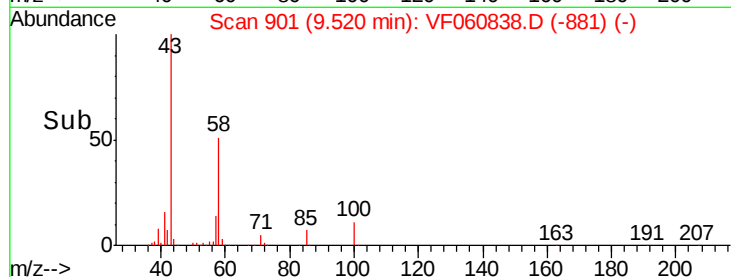
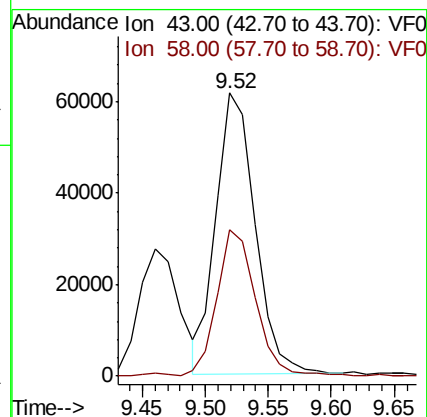
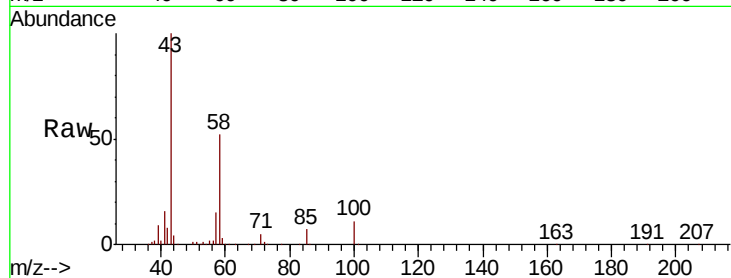
VF1127SBS01

Tot Ion: 43 Resp: 133584

Ion Ratio Lower Upper

43 100

58 51.6 25.6 76.6



#60

Dibromochloromethane

Concen: 20.239 ug/l

RT: 8.75 min Scan# 823

Delta R.T. 0.00 min

Lab File: VF060838.D

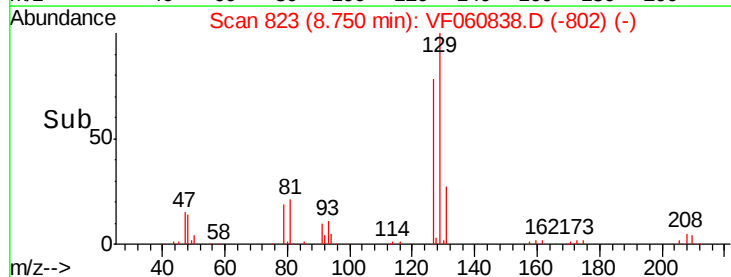
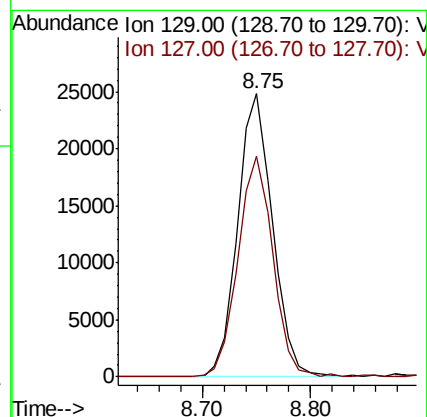
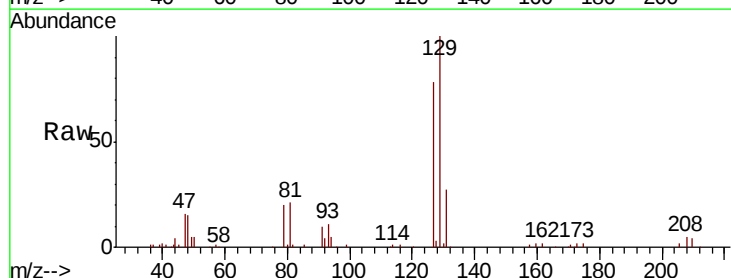
Acq: 27 Nov 2018 15:01

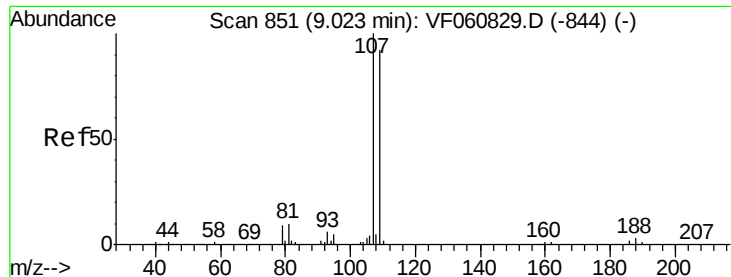
Tgt Ion:129 Resp: 55667

Ion Ratio Lower Upper

129 100

127 78.0 37.3 111.9





#61

1,2-Dibromoethane

Concen: 21.994 ug/l

RT: 9.02 min Scan# 850

Delta R.T. -0.01 min

Lab File: VF060838.D

Acq: 27 Nov 2018 15:01

Instrument :

MSVOA_F

ClientSampleId :

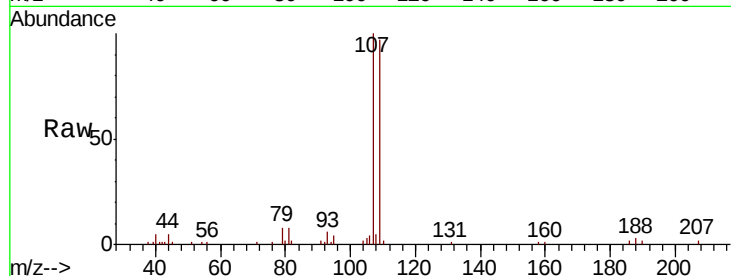
VF1127SBS01

Tot Ion:107 Resp: 43860

Ion Ratio Lower Upper

107 100

109 96.5 73.6 110.4



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

20000

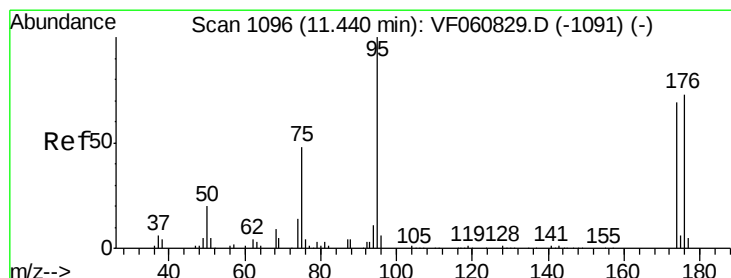
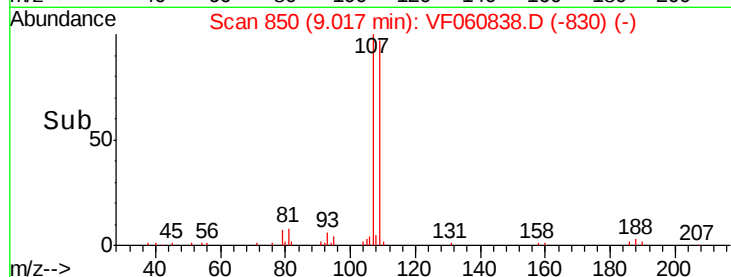
15000

10000

5000

0

Time--> 8.90 9.02 9.10



#62

4-Bromofluorobenzene

Concen: 50.565 ug/l

RT: 11.43 min Scan# 1095

Delta R.T. -0.01 min

Lab File: VF060838.D

Acq: 27 Nov 2018 15:01

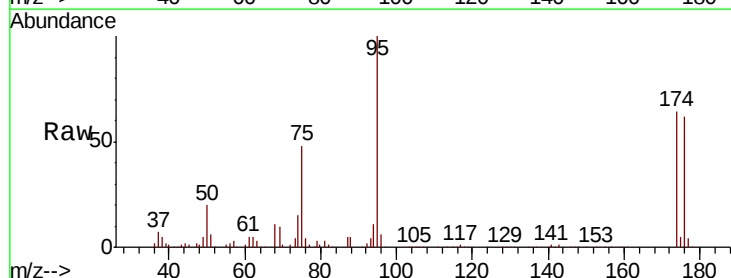
Tgt Ion: 95 Resp: 197670

Ion Ratio Lower Upper

95 100

174 64.2 0.0 138.2

176 61.5 0.0 146.2



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

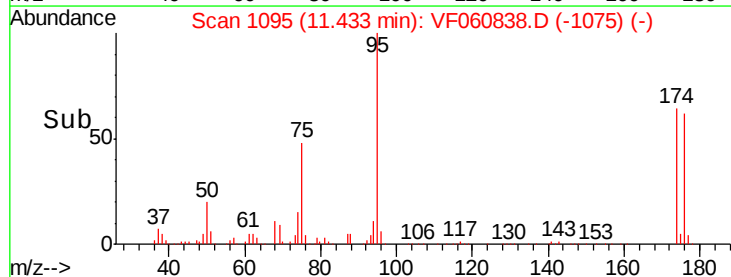
150000

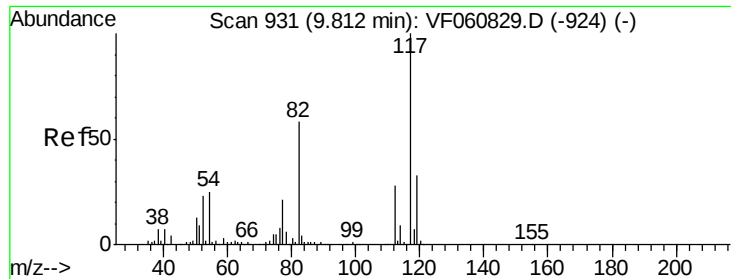
100000

50000

0

Time--> 11.30 11.43 11.50 11.60

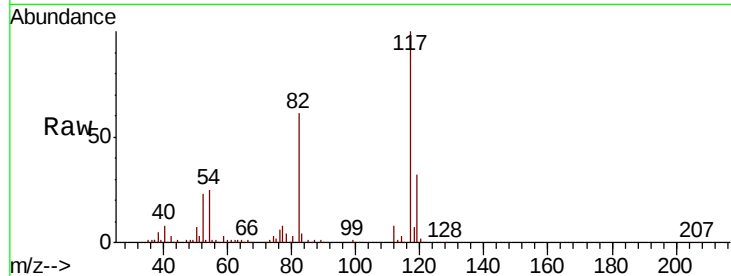




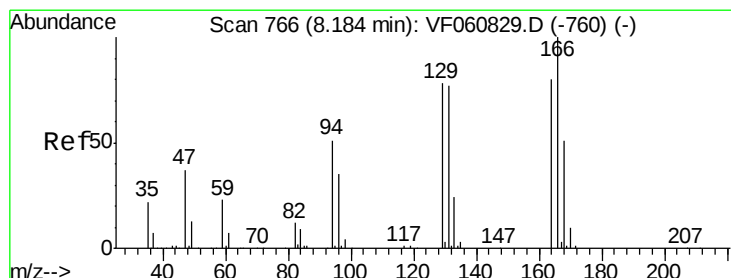
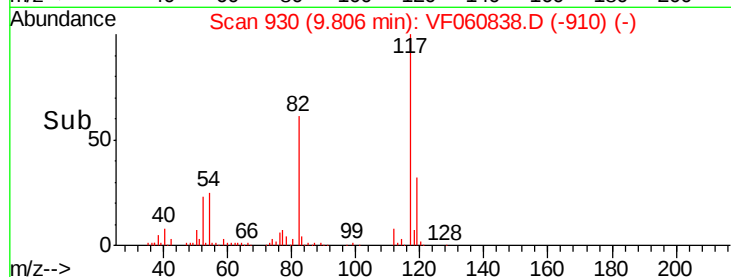
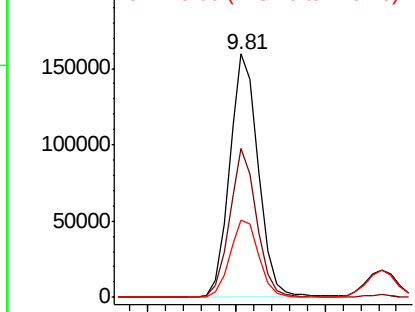
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.81 min Scan# 930
Delta R.T. -0.01 min
Lab File: VF060838.D
Acq: 27 Nov 2018 15:01

Instrument :
MSVOA_F
ClientSampleId :
VF1127SBSD01

Tot Ion:117 Resp: 359023
Ion Ratio Lower Upper
117 100
82 61.1 46.6 69.8
119 31.6 26.4 39.6

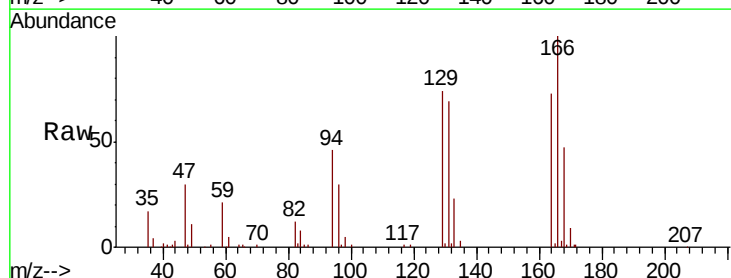


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

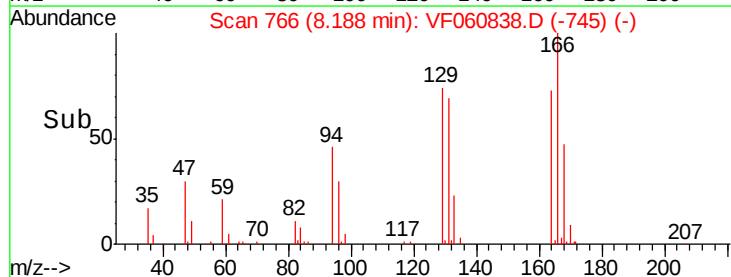
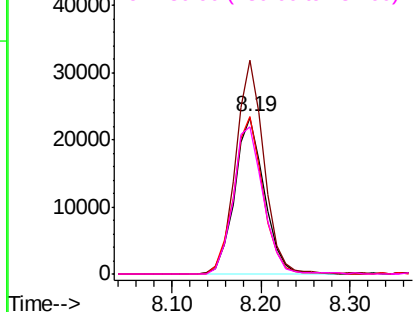


#64
Tetrachloroethene
Concen: 19.673 ug/l
RT: 8.19 min Scan# 766
Delta R.T. 0.00 min
Lab File: VF060838.D
Acq: 27 Nov 2018 15:01

Tgt Ion:164 Resp: 53949
Ion Ratio Lower Upper
164 100
166 136.6 100.3 150.5
129 101.0 77.9 116.9
131 94.4 77.5 116.3



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V

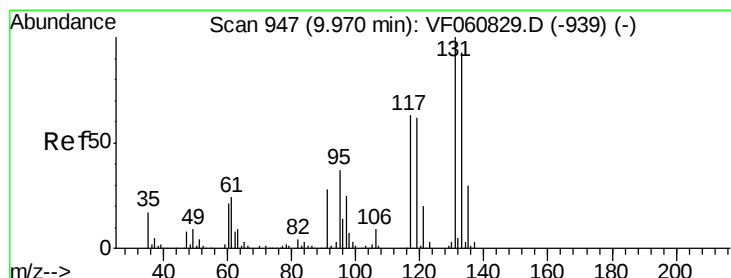
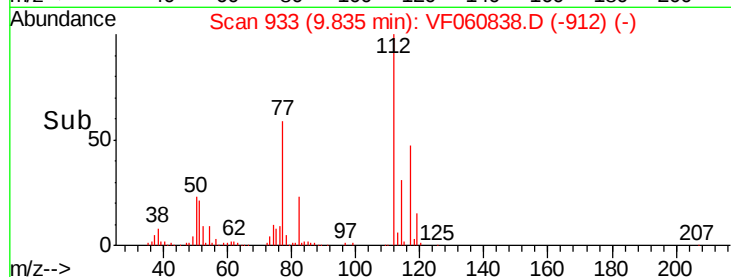
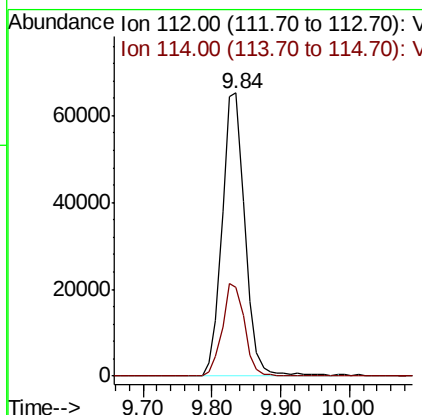
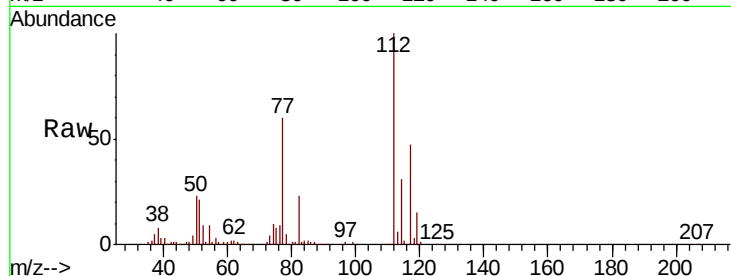




#65
Chlorobenzene
Concen: 21.493 ug/l
RT: 9.84 min Scan# 933
Delta R.T. 0.00 min
Lab File: VF060838.D
Acq: 27 Nov 2018 15:01

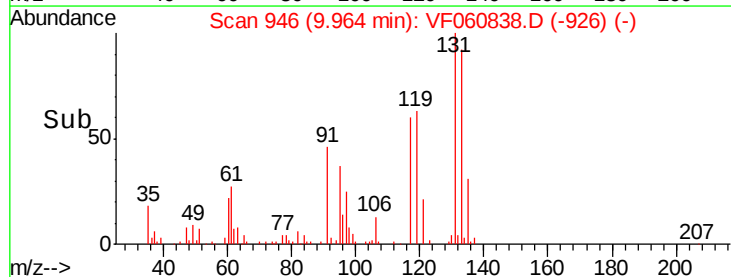
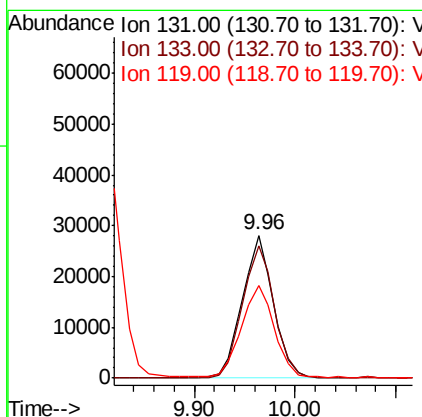
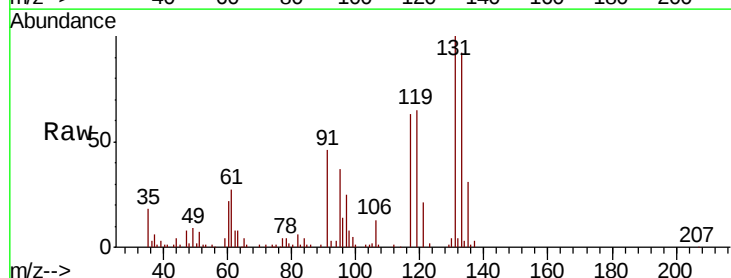
Instrument :
MSVOA_F
ClientSampleId :
VF1127SBSD01

Tot Ion:112 Resp: 150115
Ion Ratio Lower Upper
112 100
114 31.4 26.0 39.0



#66
1,1,1,2-Tetrachloroethane
Concen: 20.092 ug/l
RT: 9.96 min Scan# 946
Delta R.T. -0.01 min
Lab File: VF060838.D
Acq: 27 Nov 2018 15:01

Tgt Ion:131 Resp: 60327
Ion Ratio Lower Upper
131 100
133 92.4 46.5 139.3
119 64.5 31.1 93.3





#67

Ethyl Benzene

Concen: 20.832 ug/l

RT: 9.93 min Scan# 943

Delta R.T. 0.00 min

Lab File: VF060838.D

Acq: 27 Nov 2018 15:01

Instrument :

MSVOA_F

ClientSampleId :

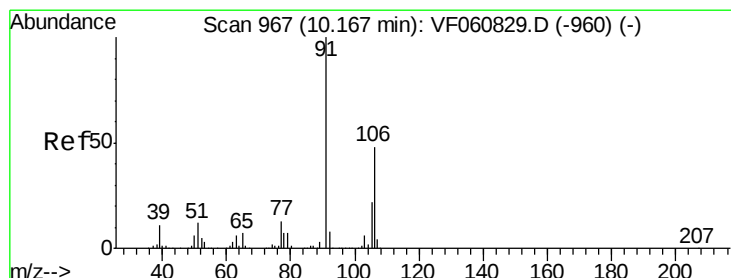
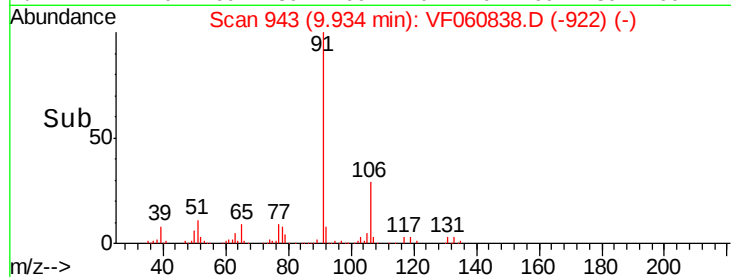
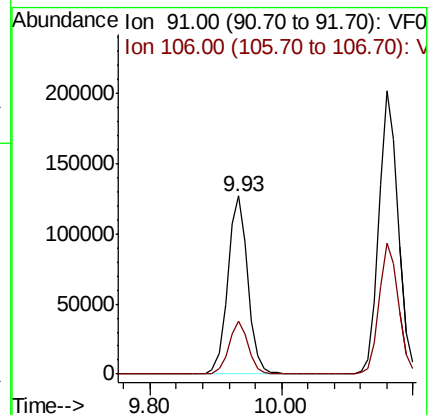
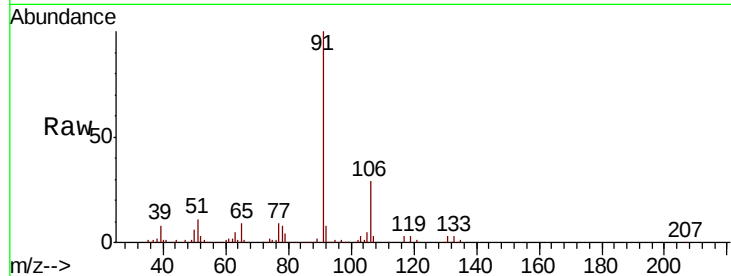
VF1127SBS01

Tot Ion: 91 Resp: 270873

Ion Ratio Lower Upper

91 100

106 29.5 22.2 33.2



#68

m/p-Xylenes

Concen: 41.560 ug/l

RT: 10.16 min Scan# 966

Delta R.T. -0.01 min

Lab File: VF060838.D

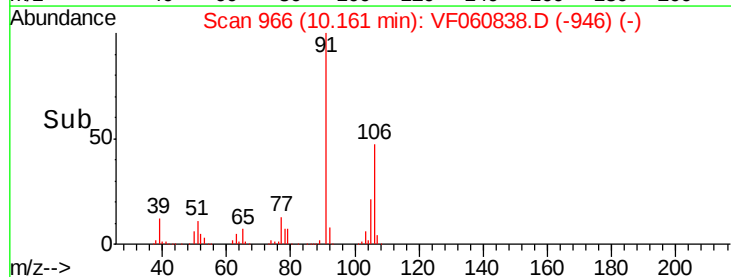
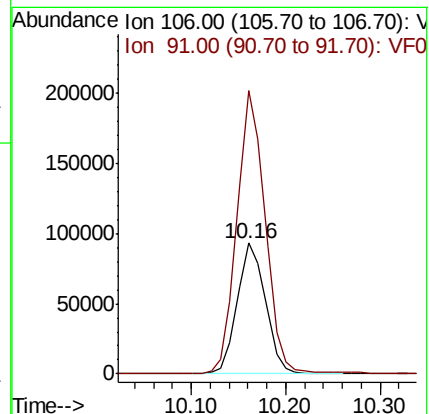
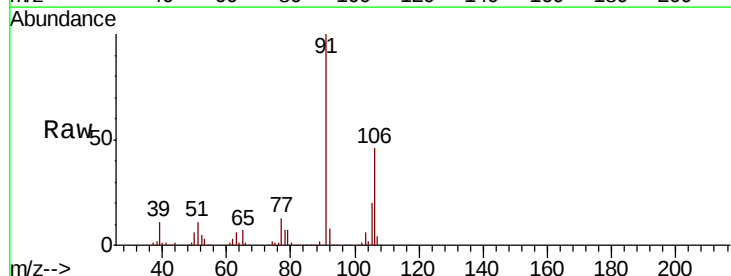
Acq: 27 Nov 2018 15:01

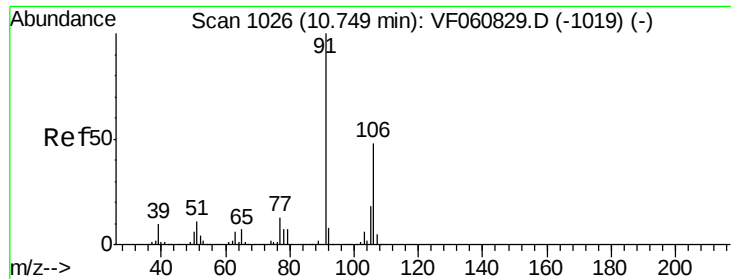
Tgt Ion: 106 Resp: 194359

Ion Ratio Lower Upper

106 100

91 216.1 166.7 250.1

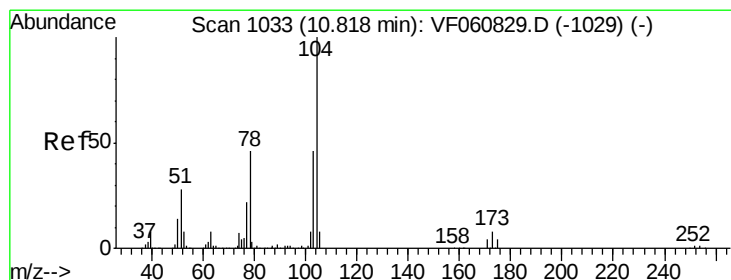
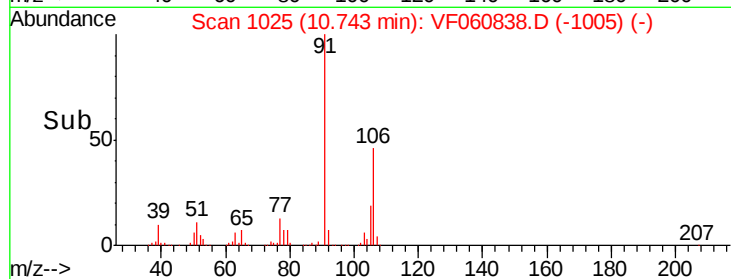
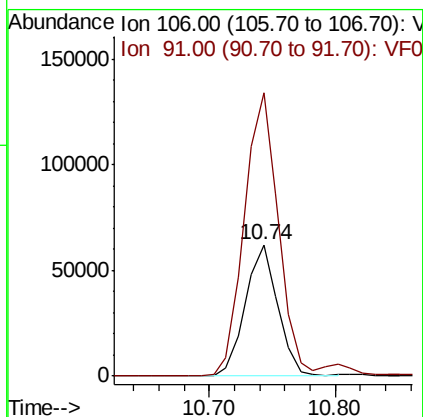
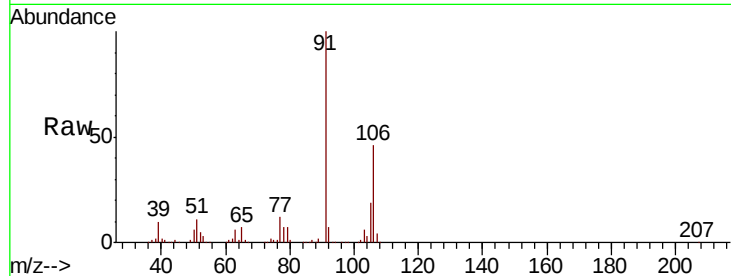




#69
o-Xylene
Concen: 21.753 ug/l
RT: 10.74 min Scan# 1025
Delta R.T. -0.01 min
Lab File: VF060838.D
Acq: 27 Nov 2018 15:01

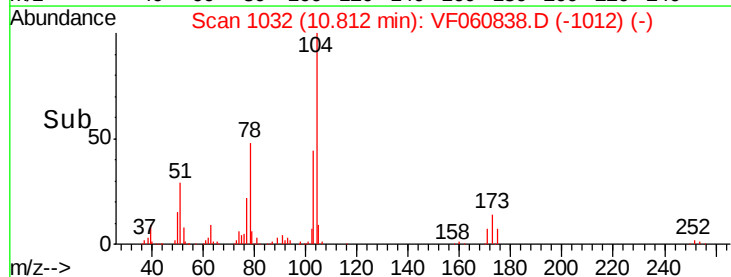
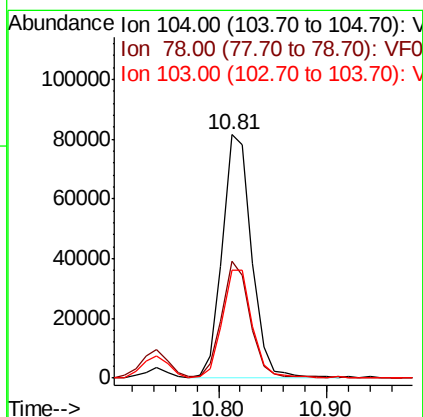
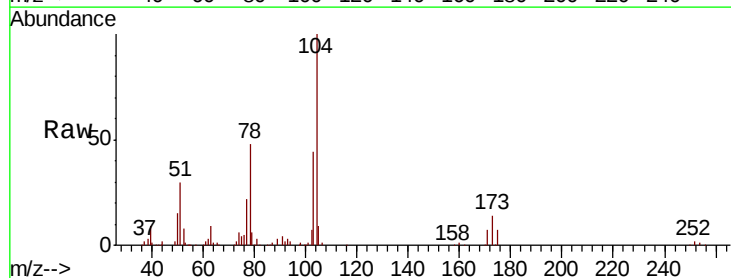
Instrument :
MSVOA_F
ClientSampleId :
VF1127SBS01

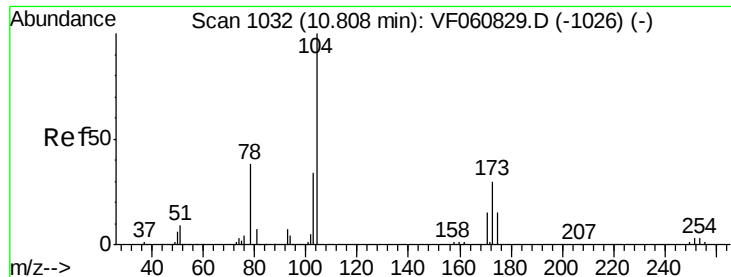
Tot Ion:106 Resp: 112181
Ion Ratio Lower Upper
106 100
91 215.3 104.8 314.6



#70
Styrene
Concen: 21.446 ug/l
RT: 10.81 min Scan# 1032
Delta R.T. -0.01 min
Lab File: VF060838.D
Acq: 27 Nov 2018 15:01

Tgt Ion:104 Resp: 153308
Ion Ratio Lower Upper
104 100
78 47.8 37.3 55.9
103 44.2 36.8 55.2





#71

Bromoform

Concen: 20.886 ug/l

RT: 10.80 min Scan# 1031

Delta R.T. -0.01 min

Lab File: VF060838.D

Acq: 27 Nov 2018 15:01

Instrument :

MSVOA_F

ClientSampleId :

VF1127SBS01

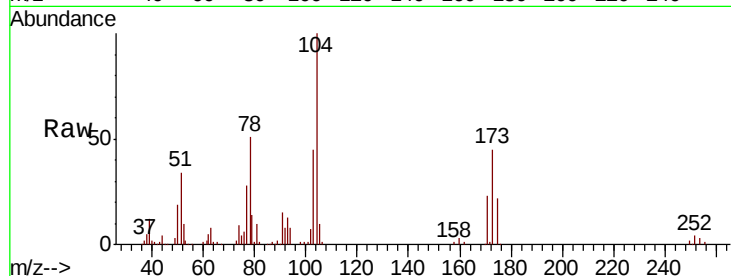
Tot Ion:173 Resp: 30291

Ion Ratio Lower Upper

173 100

175 49.0 25.5 76.5

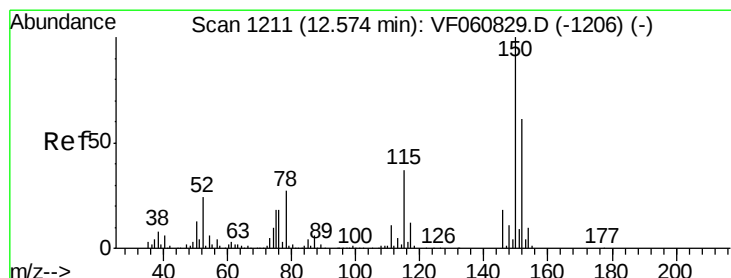
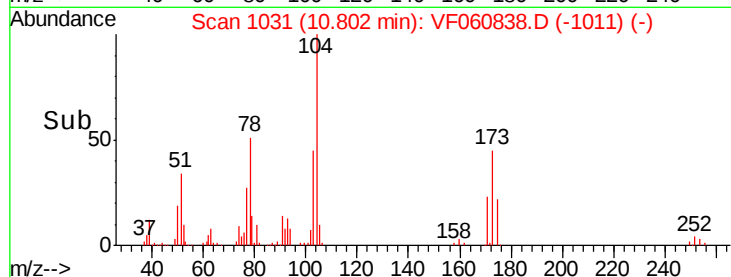
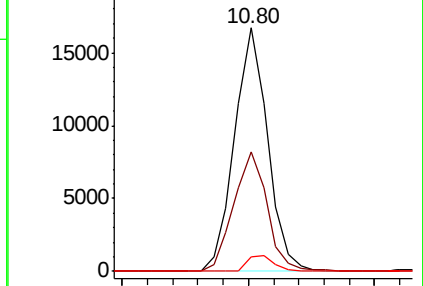
254 6.2 7.5 11.3#



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: 12.58 min Scan# 1211

Delta R.T. 0.00 min

Lab File: VF060838.D

Acq: 27 Nov 2018 15:01

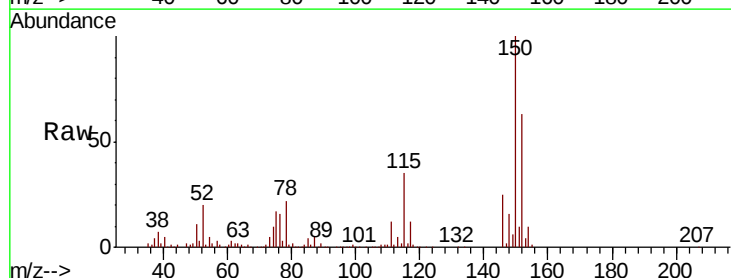
Tgt Ion:152 Resp: 184901

Ion Ratio Lower Upper

152 100

115 54.7 30.1 90.5

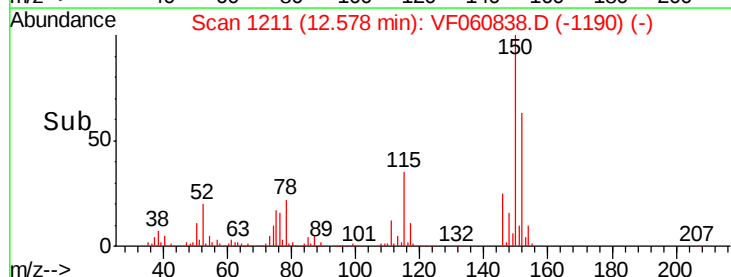
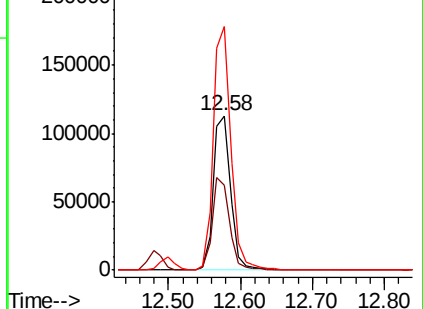
150 158.0 0.0 327.6

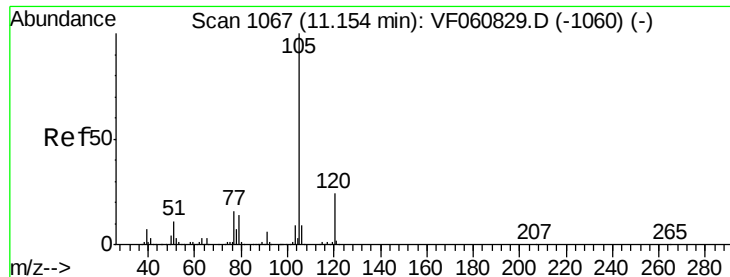


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 21.320 ug/l

RT: 11.15 min Scan# 1066

Delta R.T. -0.01 min

Lab File: VF060838.D

Acq: 27 Nov 2018 15:01

Instrument :

MSVOA_F

ClientSampleId :

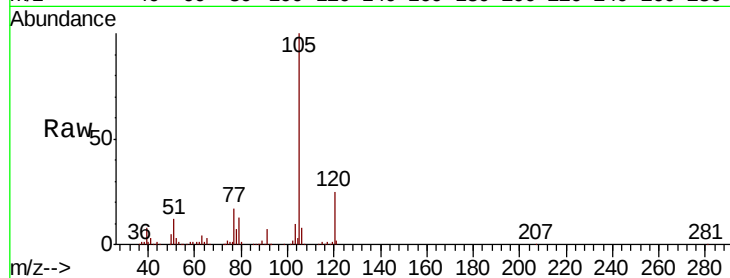
VF1127SBS01

Tot Ion:105 Resp: 311521

Ion Ratio Lower Upper

105 100

120 24.6 12.2 36.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

200000

150000

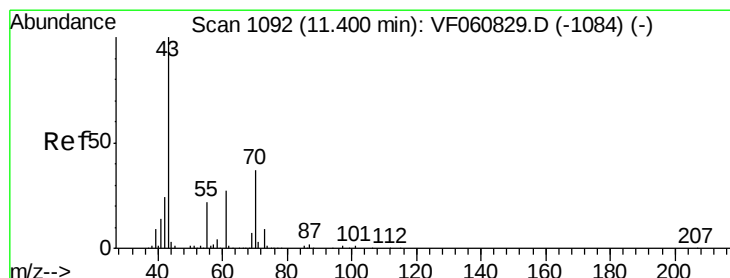
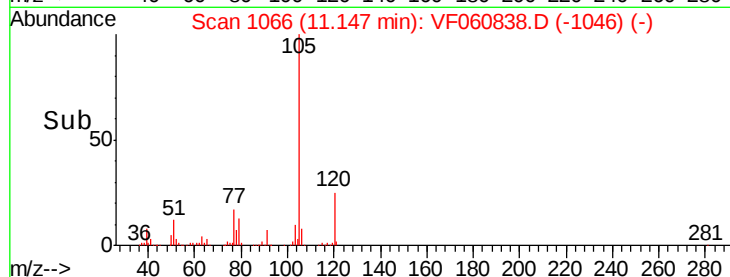
100000

50000

0

11.10 11.20

Time-->



#74

N-ethyl acetate

Concen: 23.801 ug/l

RT: 11.39 min Scan# 1091

Delta R.T. -0.01 min

Lab File: VF060838.D

Acq: 27 Nov 2018 15:01

Tgt Ion: 43 Resp: 80306

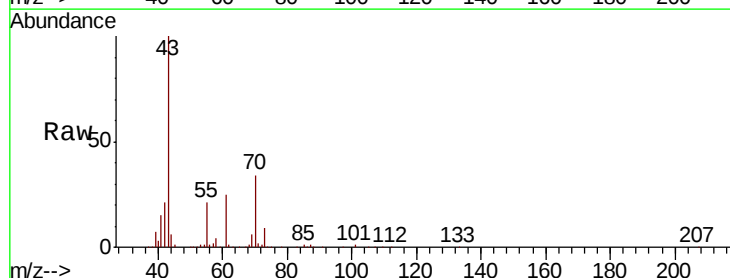
Ion Ratio Lower Upper

43 100

70 33.9 29.6 44.4

55 20.6 17.2 25.8

61 25.4 21.8 32.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

80000

60000

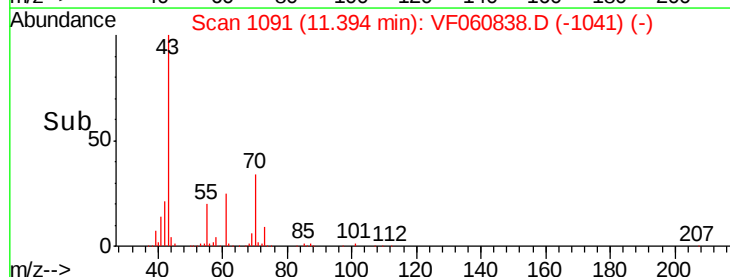
40000

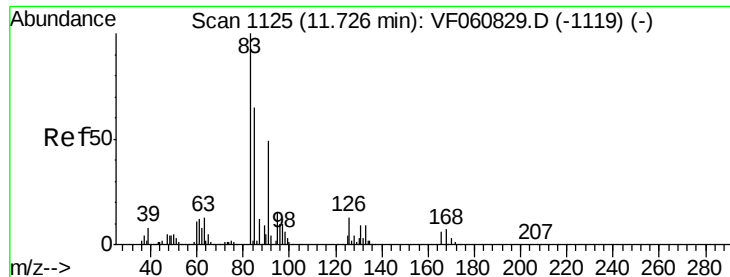
20000

0

11.30 11.40 11.50

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 22.446 ug/l

RT: 11.72 min Scan# 1124

Delta R.T. -0.01 min

Lab File: VF060838.D

Acq: 27 Nov 2018 15:01

Instrument :

MSVOA_F

ClientSampleId :

VF1127SBS01

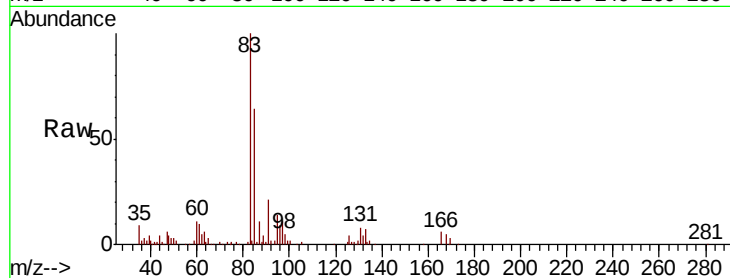
Tot Ion: 83 Resp: 53977

Ion Ratio Lower Upper

83 100

131 7.7 4.7 14.1

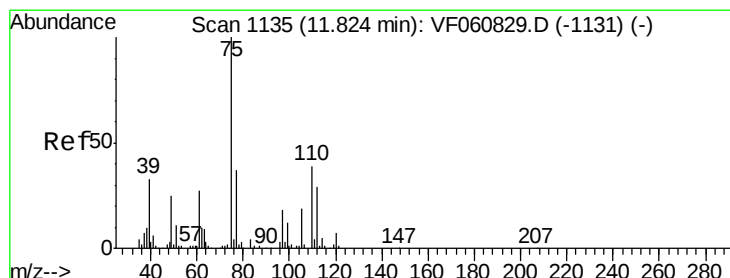
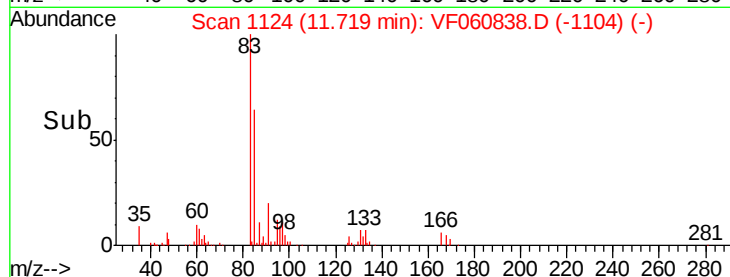
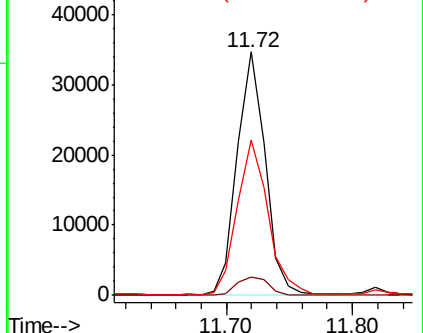
85 63.6 32.6 97.8



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: 23.119 ug/l

RT: 11.82 min Scan# 1134

Delta R.T. -0.01 min

Lab File: VF060838.D

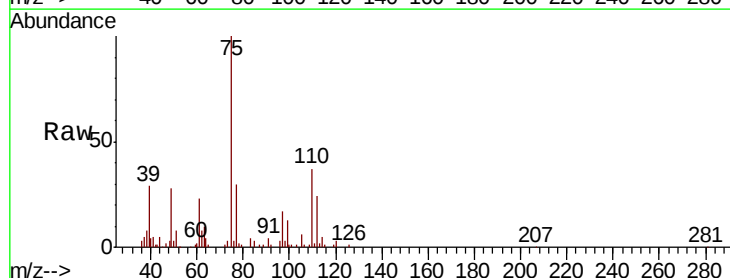
Acq: 27 Nov 2018 15:01

Tgt Ion: 75 Resp: 40411

Ion Ratio Lower Upper

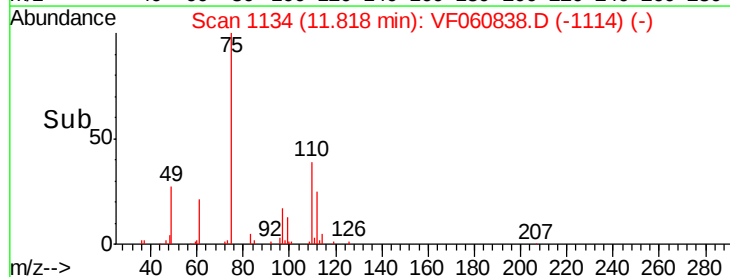
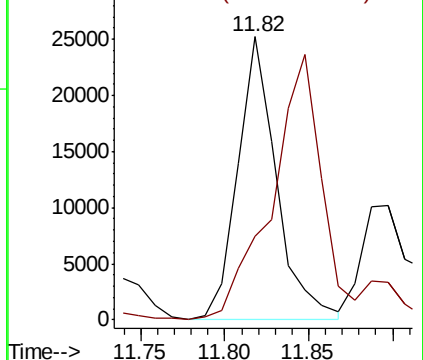
75 100

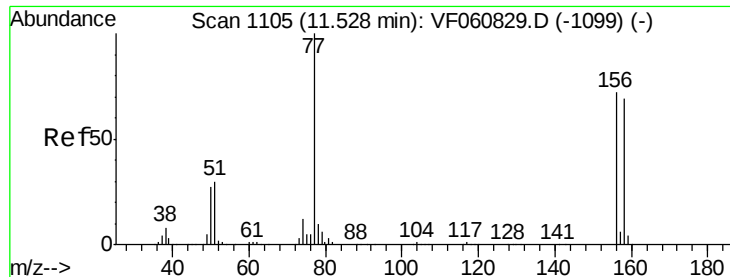
77 29.8 18.4 55.4



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 20.469 ug/l

RT: 11.52 min Scan# 1104

Delta R.T. -0.01 min

Lab File: VF060838.D

Acq: 27 Nov 2018 15:01

Instrument :

MSVOA_F

ClientSampleId :

VF1127SBS01

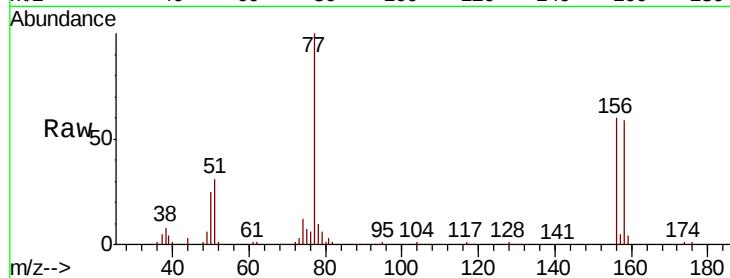
Tot Ion:156 Resp: 65572

Ion Ratio Lower Upper

156 100

77 166.3 69.7 209.0

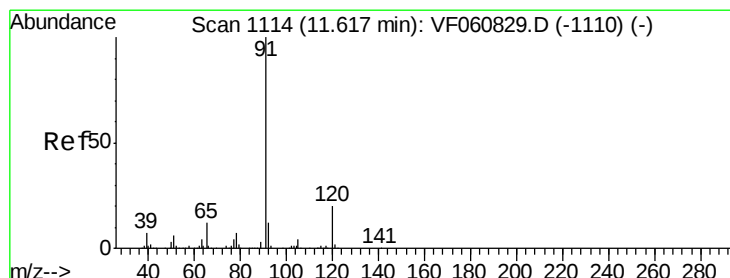
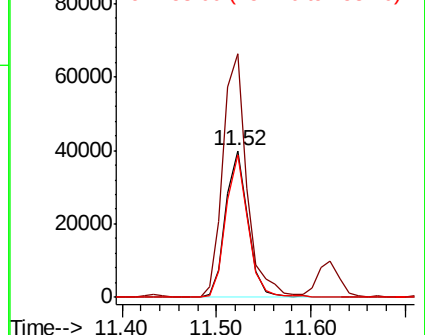
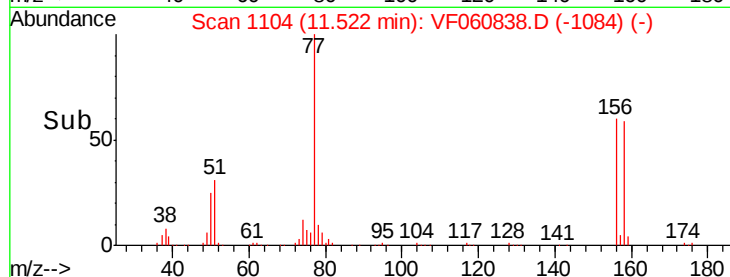
158 97.4 47.8 143.4



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: 21.466 ug/l

RT: 11.62 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VF060838.D

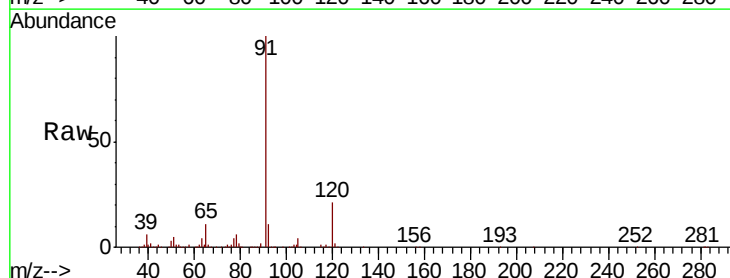
Acq: 27 Nov 2018 15:01

Tgt Ion: 91 Resp: 367313

Ion Ratio Lower Upper

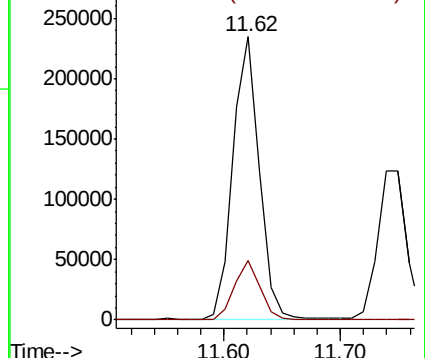
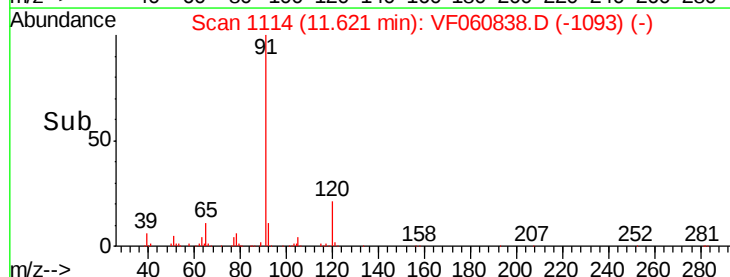
91 100

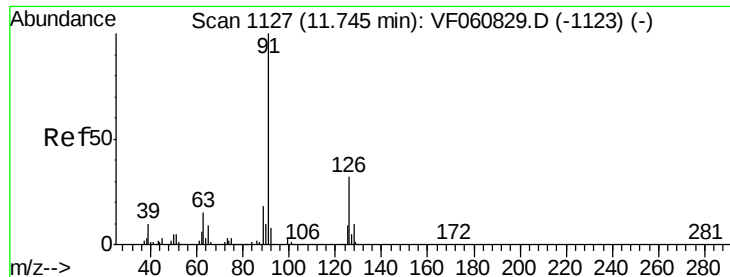
120 21.0 10.3 30.8



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

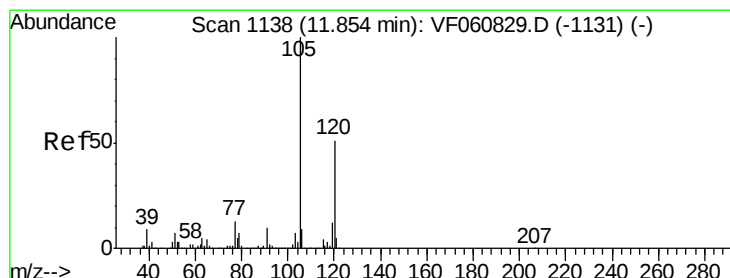
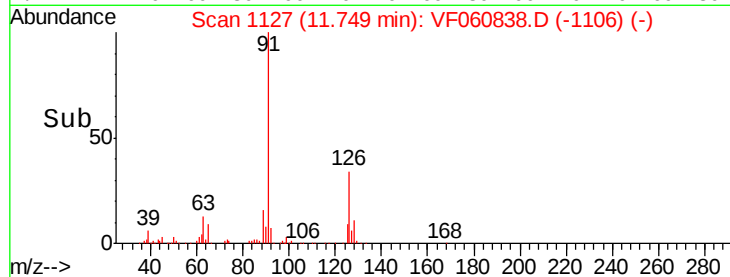
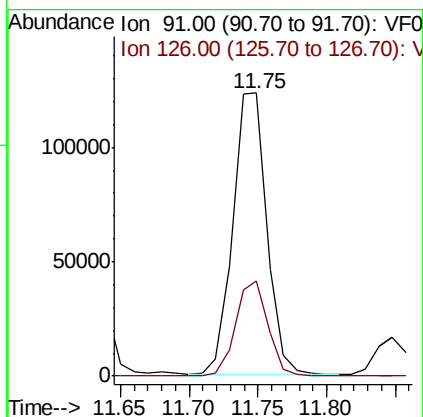
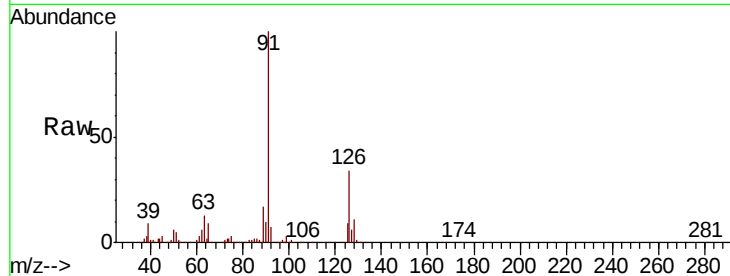




#79
 2-Chlorotoluene
 Concen: 21.389 ug/l
 RT: 11.75 min Scan# 1127
 Delta R.T. 0.00 min
 Lab File: VF060838.D
 Acq: 27 Nov 2018 15:01

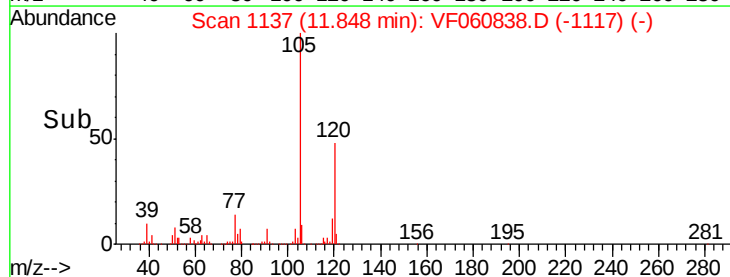
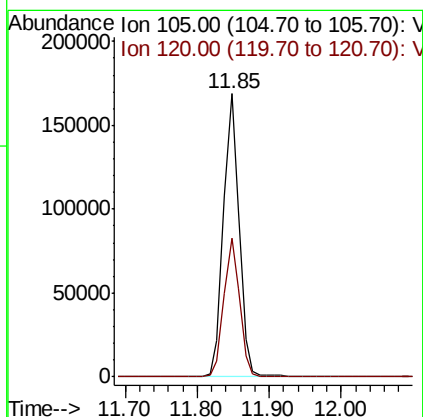
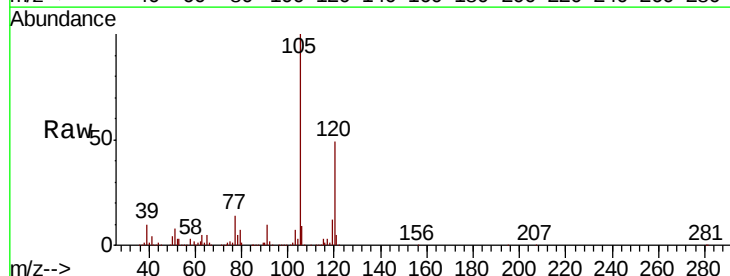
Instrument :
 MSVOA_F
 ClientSampleId :
 VF1127SBS01

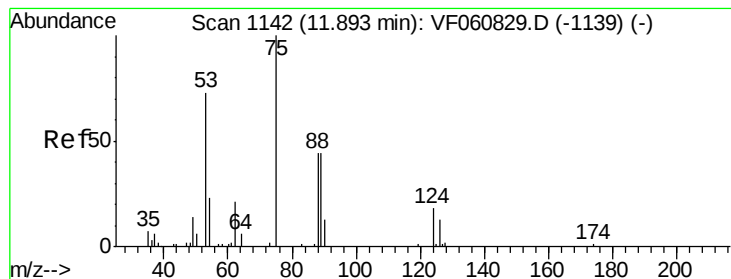
Tot Ion: 91 Resp: 209856
 Ion Ratio Lower Upper
 91 100
 126 33.7 15.9 47.6



#80
 1,3,5-Trimethylbenzene
 Concen: 21.518 ug/l
 RT: 11.85 min Scan# 1137
 Delta R.T. -0.01 min
 Lab File: VF060838.D
 Acq: 27 Nov 2018 15:01

Tgt Ion: 105 Resp: 255254
 Ion Ratio Lower Upper
 105 100
 120 49.1 25.8 77.3





#81

trans-1,4-Dichloro-2-butene

Concen: 29.291 ug/l

RT: 11.90 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VF060838.D

Acq: 27 Nov 2018 15:01

Instrument :

MSVOA_F

ClientSampleId :

VF1127SBS01

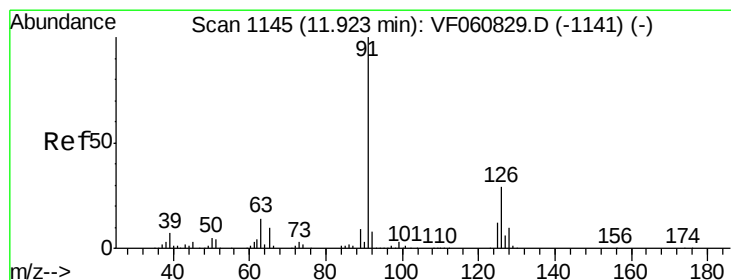
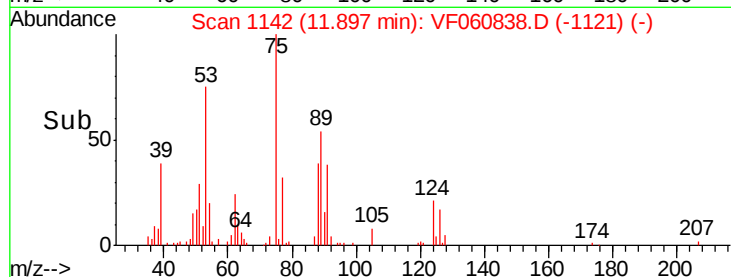
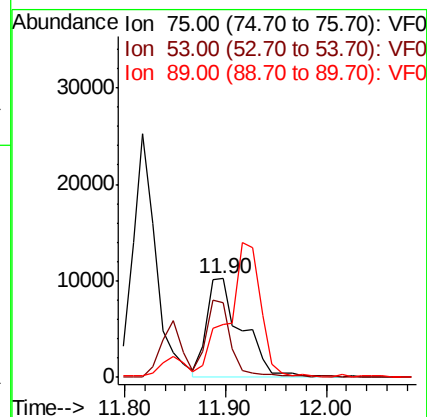
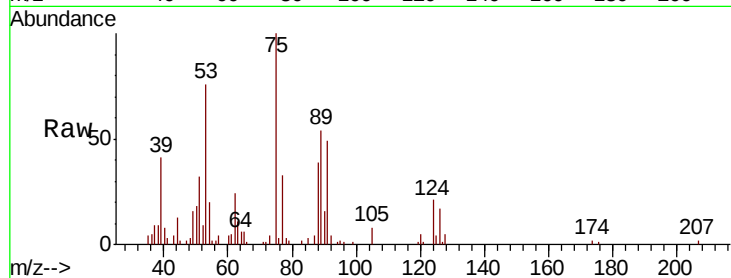
Tot Ion: 75 Resp: 25086

Ion Ratio Lower Upper

75 100

53 76.3 65.9 98.9

89 53.7 38.8 58.2



#82

4-Chlorotoluene

Concen: 20.740 ug/l

RT: 11.93 min Scan# 1145

Delta R.T. 0.00 min

Lab File: VF060838.D

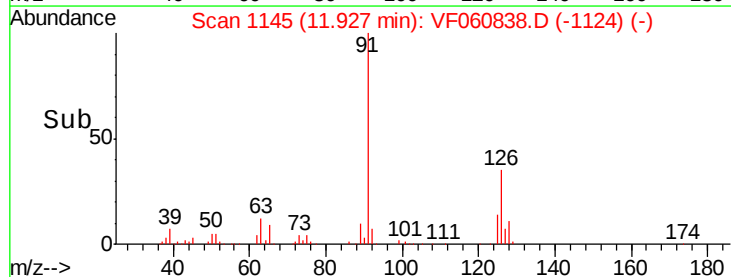
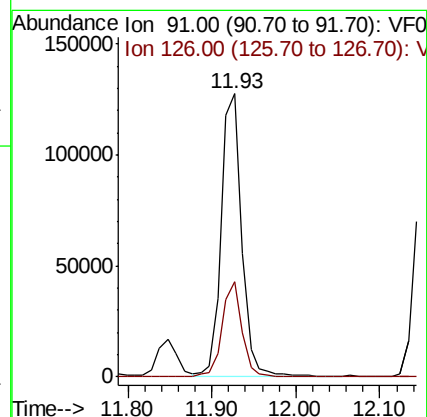
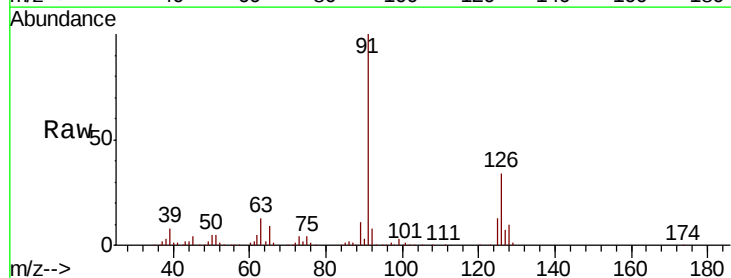
Acq: 27 Nov 2018 15:01

Tgt Ion: 91 Resp: 214148

Ion Ratio Lower Upper

91 100

126 33.7 14.8 44.4

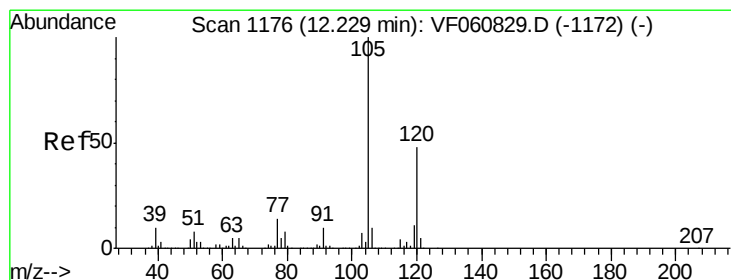
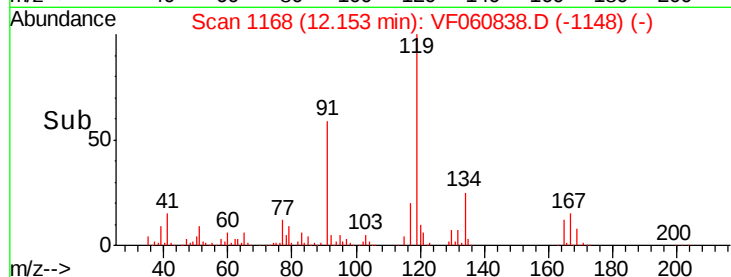
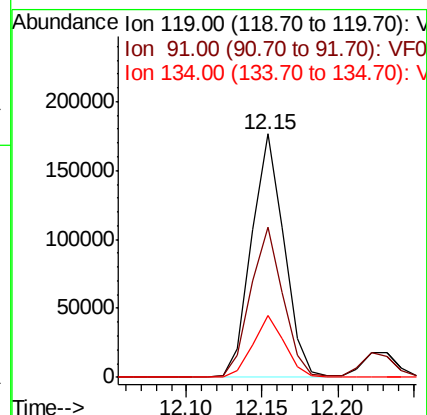
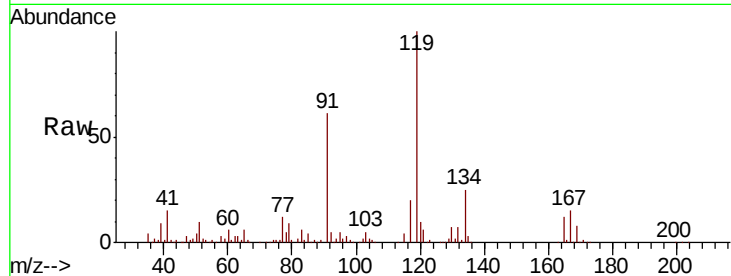




#83
tert-Butylbenzene
Concen: 22.110 ug/l
RT: 12.15 min Scan# 1168
Delta R.T. -0.01 min
Lab File: VF060838.D
Acq: 27 Nov 2018 15:01

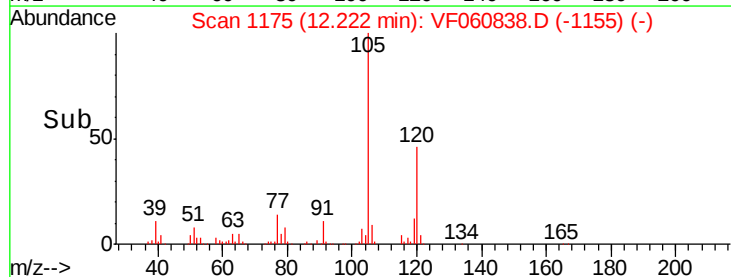
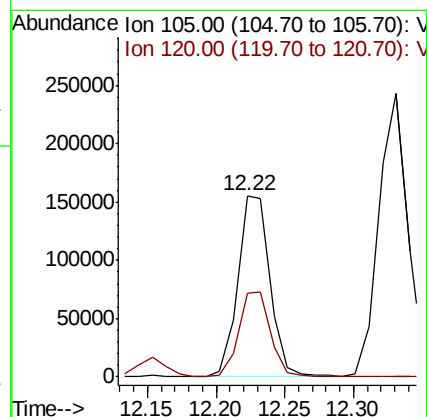
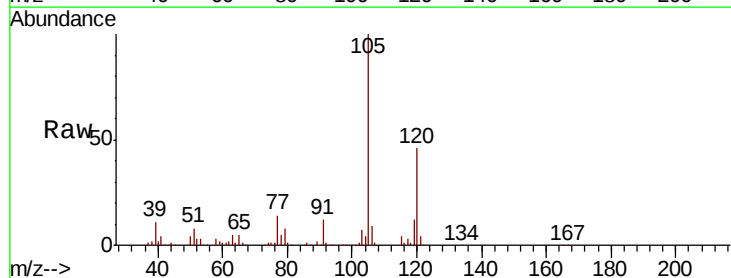
Instrument :
MSVOA_F
ClientSampleId :
VF1127SBS01

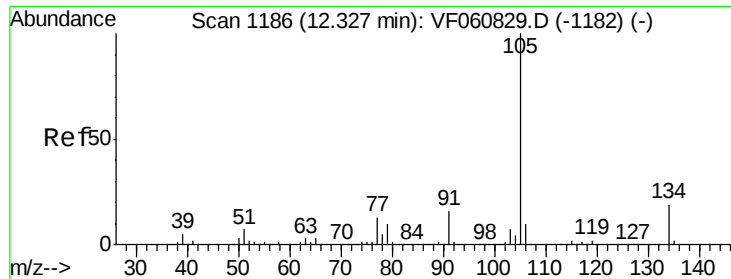
Tot Ion:119 Resp: 267159
Ion Ratio Lower Upper
119 100
91 61.5 30.1 90.3
134 25.2 12.6 37.8



#84
1,2,4-Trimethylbenzene
Concen: 21.361 ug/l
RT: 12.22 min Scan# 1175
Delta R.T. -0.01 min
Lab File: VF060838.D
Acq: 27 Nov 2018 15:01

Tgt Ion:105 Resp: 252887
Ion Ratio Lower Upper
105 100
120 46.3 23.8 71.5





#85

sec-Butylbenzene

Concen: 21.672 ug/l

RT: 12.33 min Scan# 1186

Delta R.T. 0.00 min

Lab File: VF060838.D

Acq: 27 Nov 2018 15:01

Instrument :

MSVOA_F

ClientSampleId :

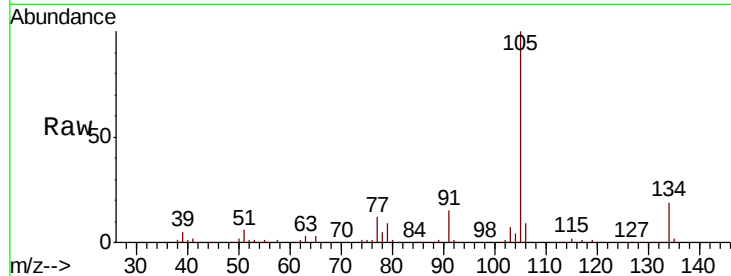
VF1127SBS01

Tot Ion:105 Resp: 358474

Ion Ratio Lower Upper

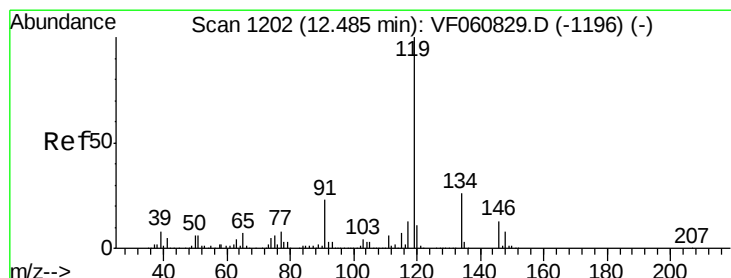
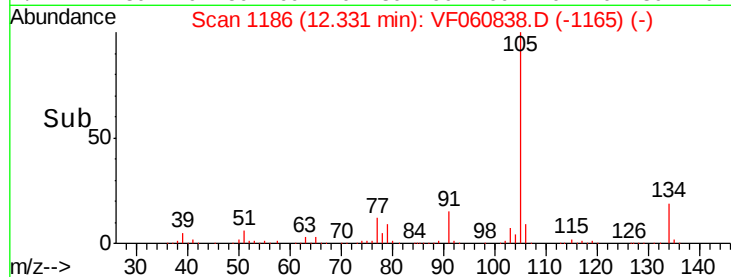
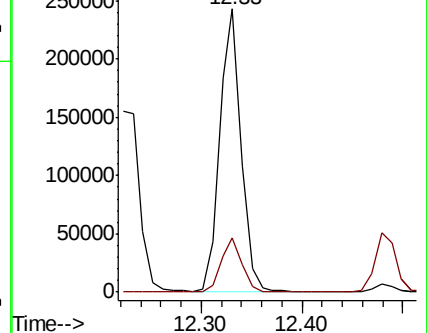
105 100

134 19.2 9.5 28.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.455 ug/l

RT: 12.48 min Scan# 1201

Delta R.T. -0.01 min

Lab File: VF060838.D

Acq: 27 Nov 2018 15:01

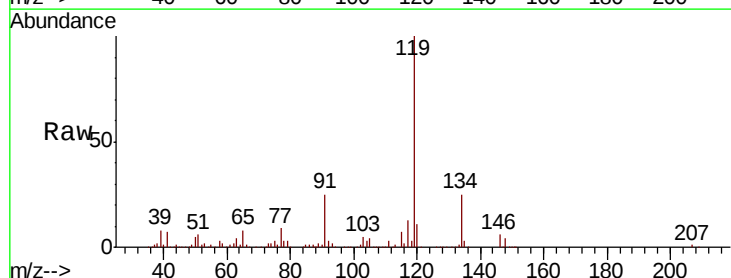
Tgt Ion:119 Resp: 297533

Ion Ratio Lower Upper

119 100

134 24.8 12.9 38.6

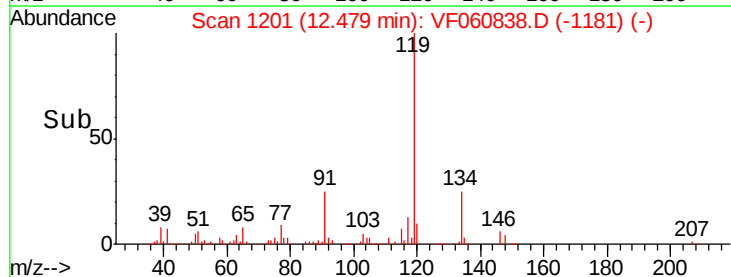
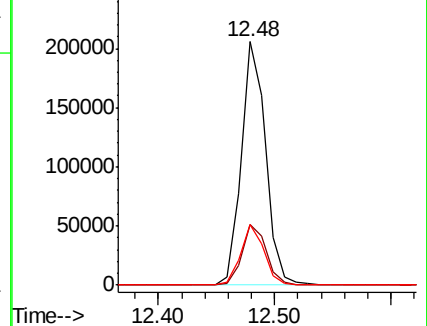
91 24.7 11.8 35.3

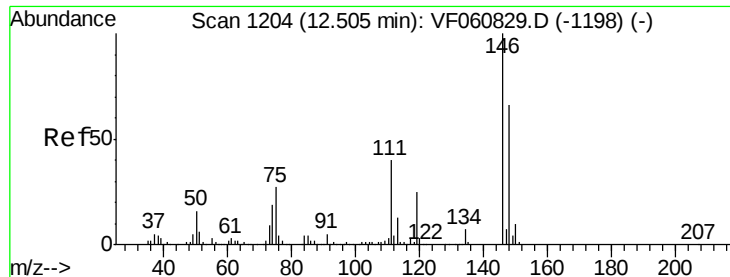


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

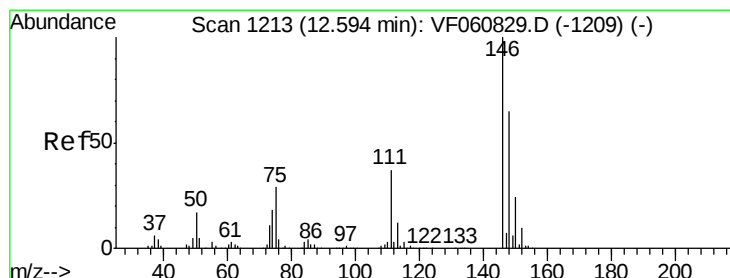
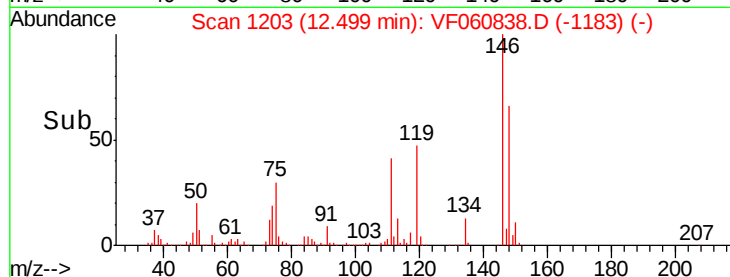
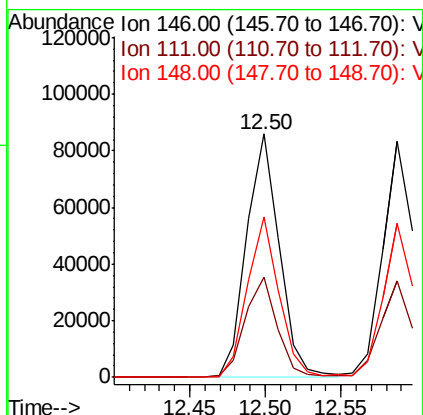
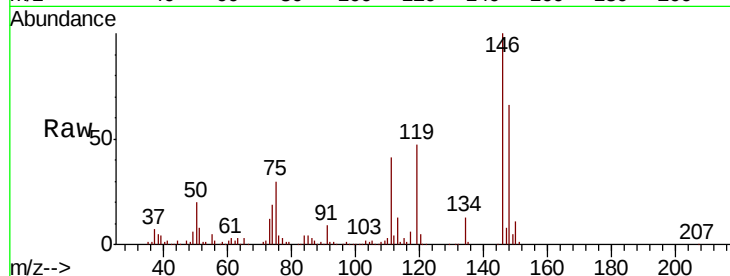




#87
 1,3-Dichlorobenzene
 Concen: 21.468 ug/l
 RT: 12.50 min Scan# 1203
 Delta R.T. -0.01 min
 Lab File: VF060838.D
 Acq: 27 Nov 2018 15:01

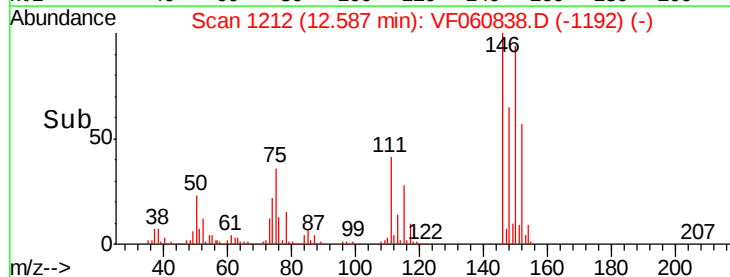
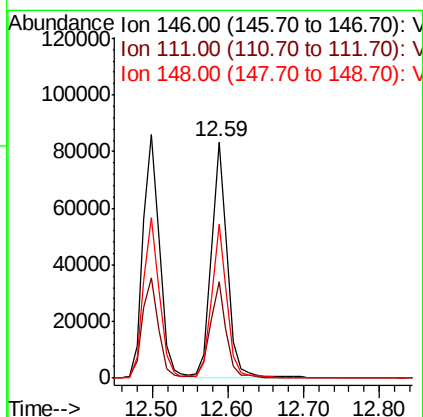
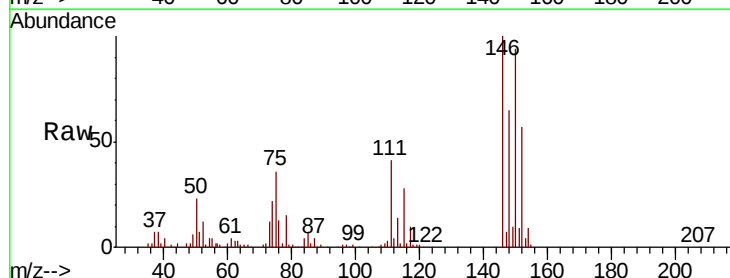
Instrument :
 MSVOA_F
 ClientSampleId :
 VF1127SBS01

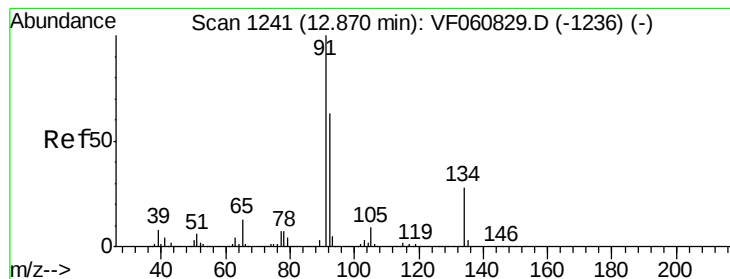
Tot Ion:146 Resp: 130816
 Ion Ratio Lower Upper
 146 100
 111 41.0 20.0 59.9
 148 65.7 32.9 98.6



#88
 1,4-Dichlorobenzene
 Concen: 21.108 ug/l
 RT: 12.59 min Scan# 1212
 Delta R.T. -0.01 min
 Lab File: VF060838.D
 Acq: 27 Nov 2018 15:01

Tgt Ion:146 Resp: 125346
 Ion Ratio Lower Upper
 146 100
 111 40.8 18.9 56.7
 148 65.2 32.3 96.9





#89

n-Butylbenzene

Concen: 21.735 ug/l

RT: 12.86 min Scan# 1240

Delta R.T. -0.01 min

Lab File: VF060838.D

Acq: 27 Nov 2018 15:01

Instrument :

MSVOA_F

ClientSampleId :

VF1127SBS01

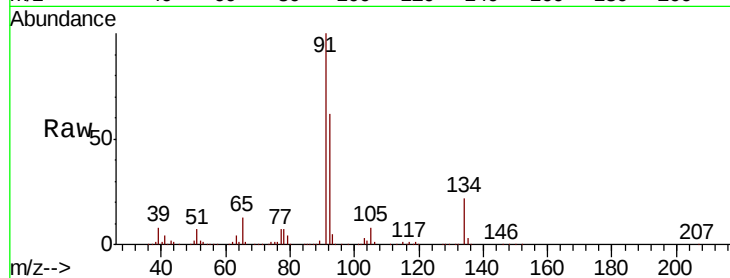
Tot Ion: 91 Resp: 304786

Ion Ratio Lower Upper

91 100

92 61.8 31.6 94.7

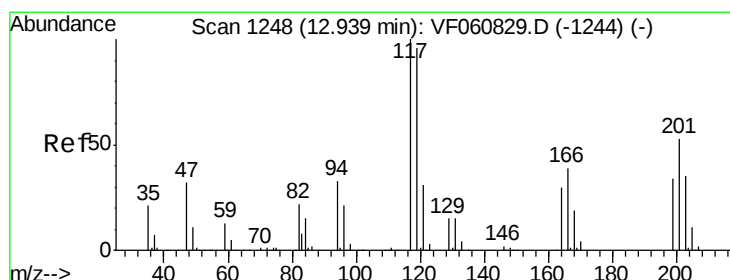
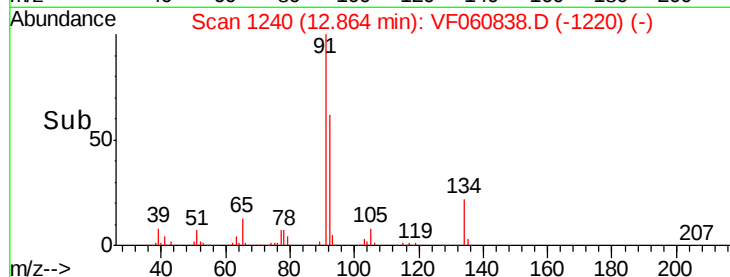
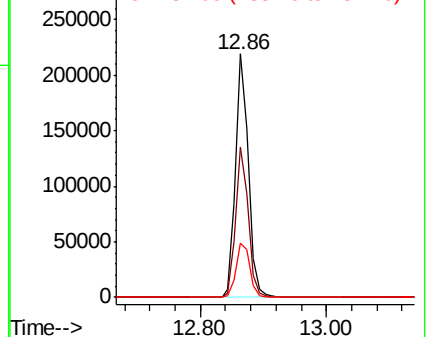
134 22.4 13.8 41.4



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 20.830 ug/l

RT: 12.94 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VF060838.D

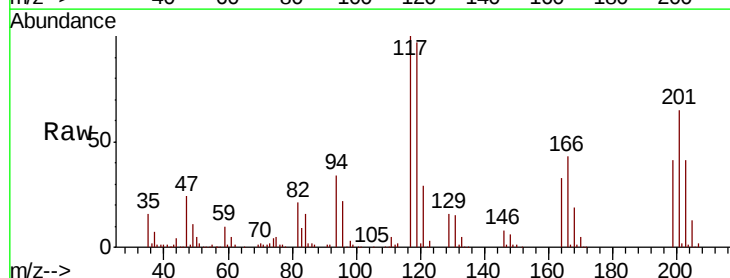
Acq: 27 Nov 2018 15:01

Tgt Ion: 117 Resp: 69559

Ion Ratio Lower Upper

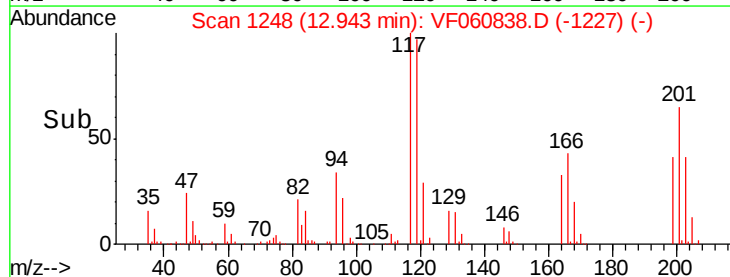
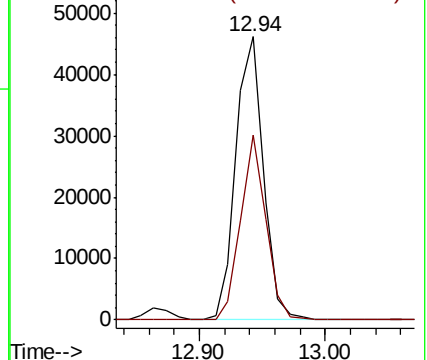
117 100

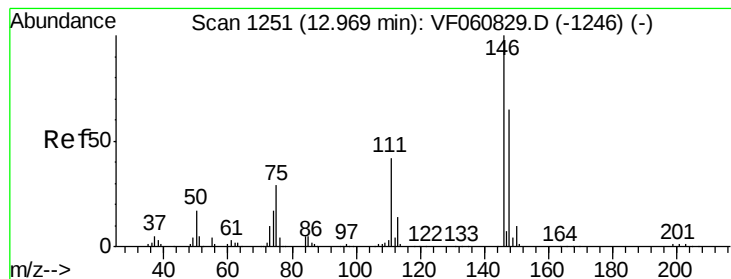
201 65.3 26.7 80.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V





#91

1,2-Dichlorobenzene

Concen: 21.549 ug/l

RT: 12.96 min Scan# 1250

Delta R.T. -0.01 min

Lab File: VF060838.D

Acq: 27 Nov 2018 15:01

Instrument :

MSVOA_F

ClientSampleId :

VF1127SBSD01

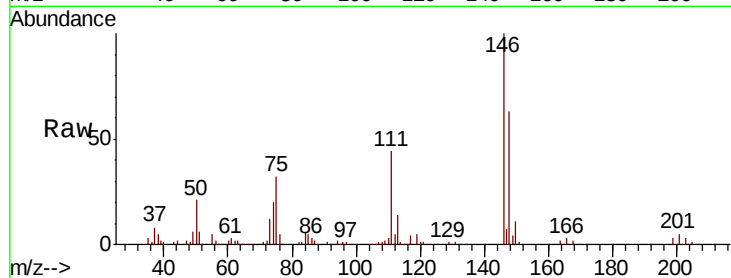
Tot Ion:146 Resp: 124349

Ion Ratio Lower Upper

146 100

111 43.9 21.2 63.6

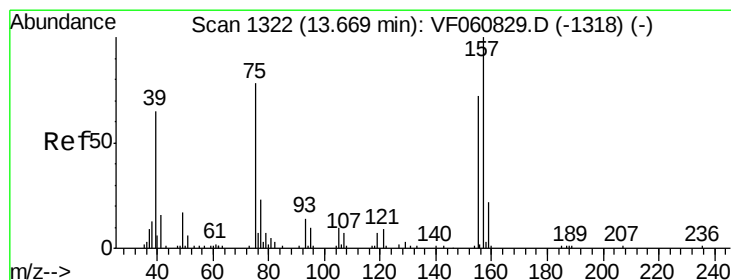
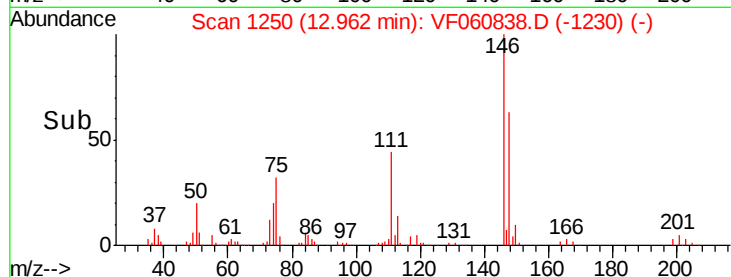
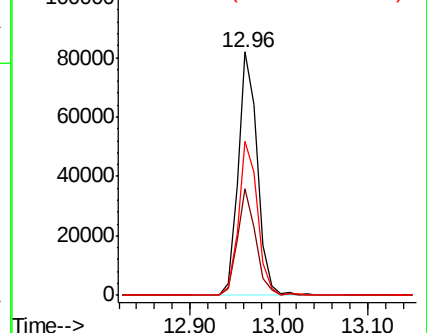
148 63.2 32.5 97.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 22.175 ug/l

RT: 13.66 min Scan# 1321

Delta R.T. -0.01 min

Lab File: VF060838.D

Acq: 27 Nov 2018 15:01

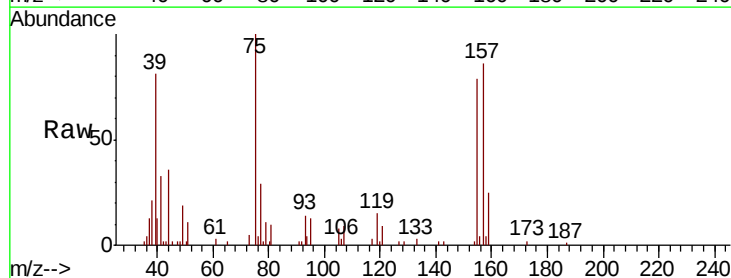
Tgt Ion: 75 Resp: 10310

Ion Ratio Lower Upper

75 100

155 79.2 45.6 136.9

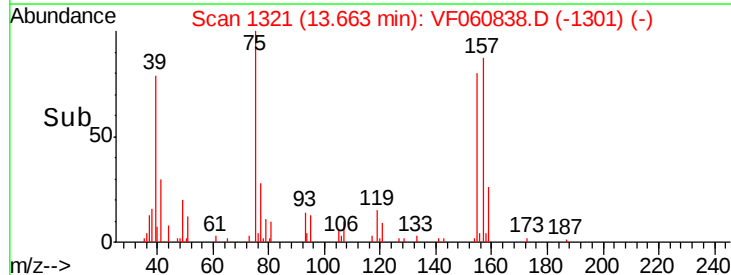
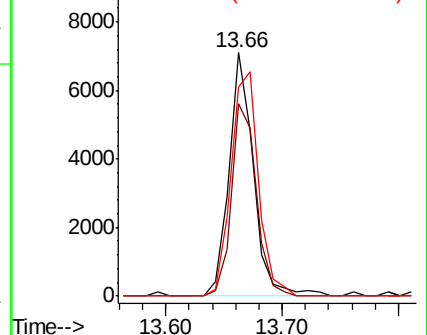
157 86.1 63.8 191.5



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

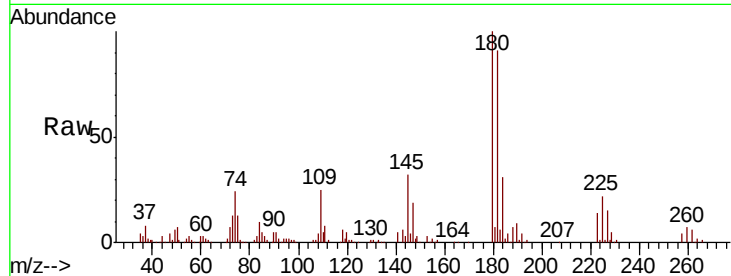




#93
 1,2,4-Trichlorobenzene
 Concen: 21.655 ug/l
 RT: 14.22 min Scan# 1378
 Delta R.T. 0.00 min
 Lab File: VF060838.D
 Acq: 27 Nov 2018 15:01

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1127SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	91.0	48.5	145.5
145	32.5	18.1	54.3

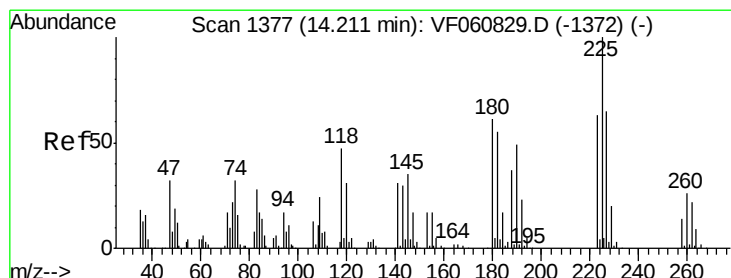
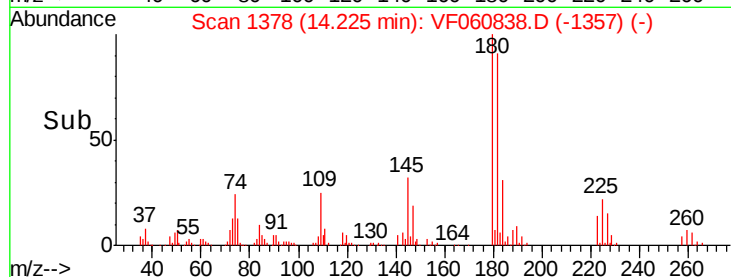
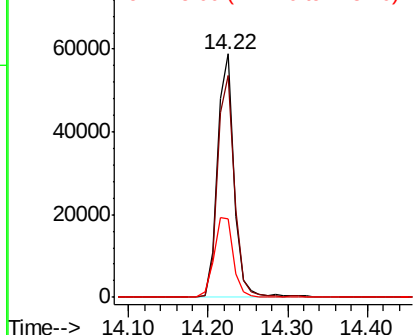


Abundance

Ion 180.00 (179.70 to 180.70): V

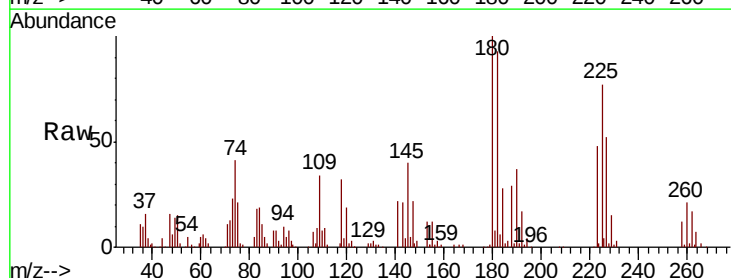
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#94
 Hexachlorobutadiene
 Concen: 19.146 ug/l
 RT: 14.22 min Scan# 1377
 Delta R.T. 0.00 min
 Lab File: VF060838.D
 Acq: 27 Nov 2018 15:01

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.4	31.4	94.3
227	67.2	32.5	97.5

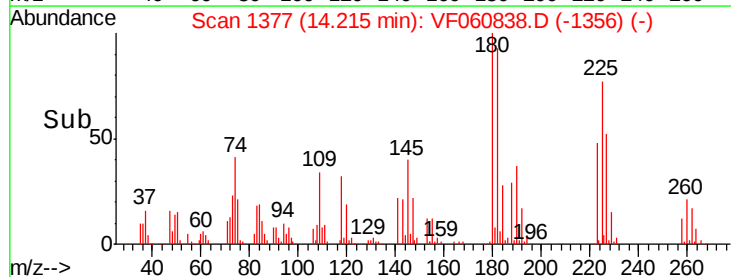
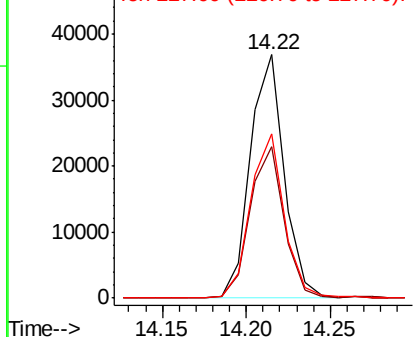


Abundance

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: 20.049 ug/l

RT: 14.48 min Scan# 1404

Delta R.T. 0.00 min

Lab File: VF060838.D

Acq: 27 Nov 2018 15:01

Instrument :

MSVOA_F

ClientSampleId :

VF1127SBSD01

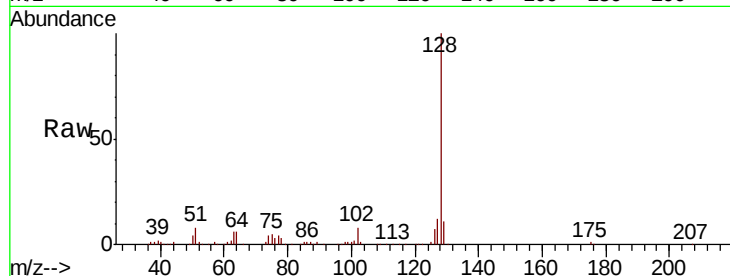
Tot Ion:128 Resp: 173298

Ion Ratio Lower Upper

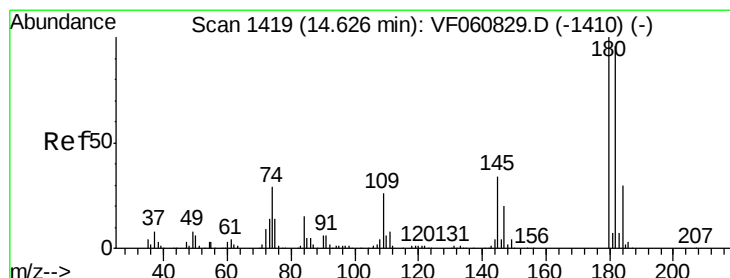
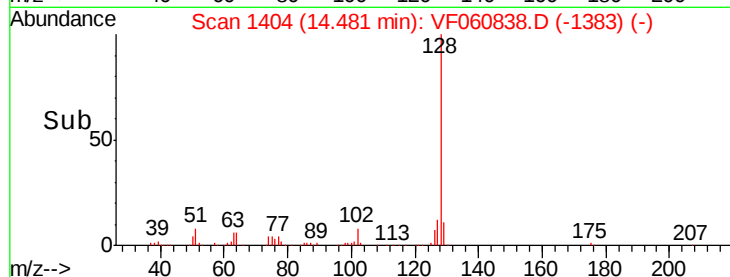
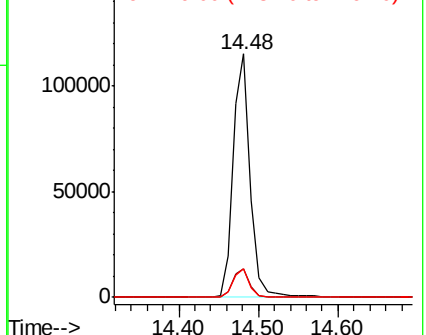
128 100

127 11.9 9.9 14.9

129 11.5 9.1 13.7



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 20.715 ug/l

RT: 14.63 min Scan# 1419

Delta R.T. 0.00 min

Lab File: VF060838.D

Acq: 27 Nov 2018 15:01

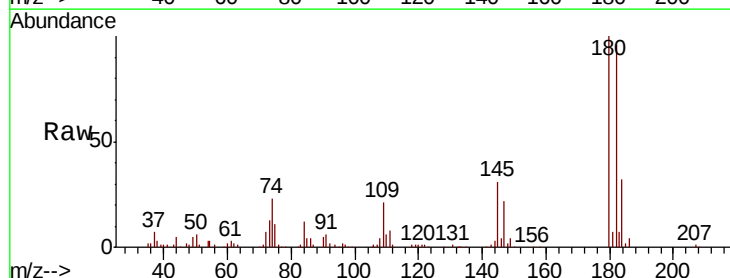
Tgt Ion:180 Resp: 77551

Ion Ratio Lower Upper

180 100

182 96.3 47.9 143.8

145 31.1 17.2 51.5



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

