

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF112618\
 Data File : VF060829.D
 Acq On : 26 Nov 2018 18:30
 Operator : VA/AP
 Sample : VSTDICCC050
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Quant Time: Nov 27 00:36:33 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 27 00:28:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.91	168	194403	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.64	114	304514	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.81	117	309444	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.57	152	152856	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.88	65	119826	53.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.42%	
35) Dibromofluoromethane	4.15	113	126426	53.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.44%	
50) Toluene-d8	7.59	98	369318	53.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.32%	
62) 4-Bromofluorobenzene	11.44	95	167220	52.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.97	85	143942	42.893	ug/l	100
3) Chloromethane	1.10	50	84785	41.154	ug/l	100
4) Vinyl Chloride	1.15	62	85698	45.740	ug/l	100
5) Bromomethane	1.34	94	64022	52.769	ug/l	100
6) Chloroethane	1.39	64	39785	54.261	ug/l	100
7) Trichlorofluoromethane	1.50	101	194694	47.227	ug/l	100
8) Diethyl Ether	1.64	74	27091	50.302	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	1.83	101	96498	48.778	ug/l	100
10) Methyl Iodide	1.91	142	146190	46.386	ug/l	100
11) Tert butyl alcohol	2.58	59	24716	248.620	ug/l	100
12) 1,1-Dichloroethene	1.80	96	76455	48.541	ug/l	100
13) Acrolein	2.02	56	24244	257.922	ug/l	100
14) Allyl chloride	2.12	41	131079	47.809	ug/l	100
15) Acrylonitrile	2.97	53	52592	247.638	ug/l	100
16) Acetone	2.26	43	108345	238.419	ug/l	100
17) Carbon Disulfide	1.85	76	199661	43.190	ug/l	100
18) Methyl Acetate	2.36	43	34790	45.835	ug/l	100
19) Methyl tert-butyl Ether	2.45	73	175373	47.194	ug/l	100
20) Methylene Chloride	2.26	84	49196	28.118	ug/l	100
21) trans-1,2-Dichloroethene	2.33	96	75588	47.122	ug/l	100
22) Diisopropyl ether	2.83	45	265648	50.095	ug/l	100
23) Vinyl Acetate	3.21	43	611132	247.589	ug/l	100
24) 1,1-Dichloroethane	2.90	63	164167	50.639	ug/l	100
25) 2-Butanone	4.37	43	186549	243.368	ug/l	100
26) 2,2-Dichloropropane	3.64	77	104867	42.528	ug/l	100
27) cis-1,2-Dichloroethene	3.51	96	120822	44.331	ug/l	100
28) Bromochloromethane	3.76	49	70912	43.336	ug/l	100
29) Tetrahydrofuran	4.11	42	75462	238.259	ug/l	100
30) Chloroform	3.89	83	237318	46.788	ug/l	100
31) Cyclohexane	3.73	56	154575	40.691	ug/l	100
32) 1,1,1-Trichloroethane	4.13	97	178400	44.804	ug/l	100
36) 1,1-Dichloropropene	4.32	75	175378	49.913	ug/l	100
37) Ethyl Acetate	4.15	43	69980	52.780	ug/l	100
38) Carbon Tetrachloride	4.02	117	201369	58.926	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.49	83	183915	45.916	ug/l	100
40) Benzene	4.67	78	379089	48.523	ug/l	100
41) Methacrylonitrile	4.78	41	37196	46.848	ug/l	100
42) 1,2-Dichloroethane	4.98	62	148749	53.994	ug/l	100
43) Isopropyl Acetate	6.99	43	92293	52.175	ug/l	100
44) Trichloroethene	5.54	130	123332	49.443	ug/l	100
45) 1,2-Dichloropropane	6.27	63	105816	51.136	ug/l	100
46) Dibromomethane	6.12	93	70584	52.054	ug/l	100
47) Bromodichloromethane	6.42	83	186678	53.999	ug/l	100
48) Methyl methacrylate	6.75	41	65075	54.984	ug/l	100
49) 1,4-Dioxane	6.74	88	10408	963.644	ug/l	100
51) 4-Methyl-2-Pentanone	8.29	43	315321	249.066	ug/l	100
52) Toluene	7.66	92	250419	47.750	ug/l	100
53) t-1,3-Dichloropropene	8.31	75	146320	52.202	ug/l	100
54) cis-1,3-Dichloropropene	7.34	75	188671	51.487	ug/l	100
55) 1,1,2-Trichloroethane	8.53	97	78740	52.063	ug/l	100
56) Ethyl methacrylate	8.65	69	94135	54.209	ug/l	100
57) 1,3-Dichloropropane	8.89	76	143359	53.755	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.34	63	43074	272.951	ug/l	100
59) 2-Hexanone	9.53	43	221686	247.869	ug/l	100
60) Dibromochloromethane	8.75	129	121455	55.539	ug/l	100
61) 1,2-Dibromoethane	9.02	107	86037	53.903	ug/l	100
64) Tetrachloroethene	8.18	164	112138	47.182	ug/l	100
65) Chlorobenzene	9.83	112	316011	50.897	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.97	131	129354	48.654	ug/l	100
67) Ethyl Benzene	9.93	91	567693	48.819	ug/l	100
68) m/p-Xylenes	10.17	106	389777	94.124	ug/l	100
69) o-Xylene	10.75	106	219316	47.285	ug/l	100
70) Styrene	10.82	104	306450	48.393	ug/l	100
71) Bromoform	10.81	173	63197	52.317	ug/l	100
73) Isopropylbenzene	11.15	105	626168	51.119	ug/l	100
74) N-amyl acetate	11.40	43	144430	51.098	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.73	83	104078	51.564	ug/l	100
76) 1,2,3-Trichloropropane	11.82	75	74921	49.398	ug/l	100
77) Bromobenzene	11.53	156	143707	55.360	ug/l	100
78) n-propylbenzene	11.62	91	730888	50.499	ug/l	100
79) 2-Chlorotoluene	11.75	91	418439	50.305	ug/l	100
80) 1,3,5-Trimethylbenzene	11.85	105	507433	51.946	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.89	75	50278	68.364	ug/l	100
82) 4-Chlorotoluene	11.92	91	427214	49.983	ug/l	100
83) tert-Butylbenzene	12.16	119	509176	49.833	ug/l	100
84) 1,2,4-Trimethylbenzene	12.23	105	519918	51.365	ug/l	100
85) sec-Butylbenzene	12.33	105	697203	49.891	ug/l	100
86) p-Isopropyltoluene	12.49	119	570866	49.209	ug/l	100
87) 1,3-Dichlorobenzene	12.50	146	256419	50.340	ug/l	100
88) 1,4-Dichlorobenzene	12.59	146	250902	51.414	ug/l	100
89) n-Butylbenzene	12.87	91	601339	50.008	ug/l	100
90) Hexachloroethane	12.94	117	147068	51.747	ug/l	100
91) 1,2-Dichlorobenzene	12.97	146	250138	51.799	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.67	75	20157	53.172	ug/l	100

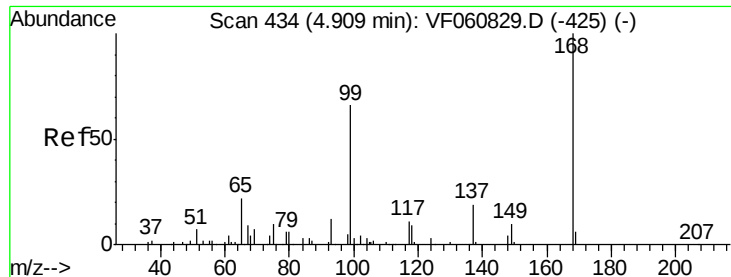
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.22	180	172647	50.509	ug/l	100
94) Hexachlorobutadiene	14.21	225	113677	51.262	ug/l	100
95) Naphthalene	14.48	128	341737	54.658	ug/l	100
96) 1,2,3-Trichlorobenzene	14.63	180	161000	51.413	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.91 min Scan# 434

Delta R.T. 0.00 min

Lab File: VF060829.D

Acq: 26 Nov 2018 18:30

Instrument :

MSVOA_F

ClientSampleId :

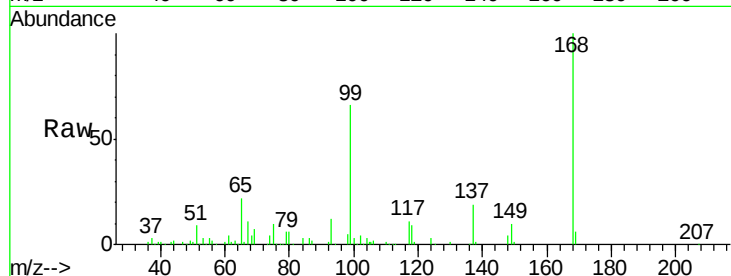
VSTDICCC050

Tgt Ion:168 Resp: 194403

Ion Ratio Lower Upper

168 100

99 65.8 52.6 79.0



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.91

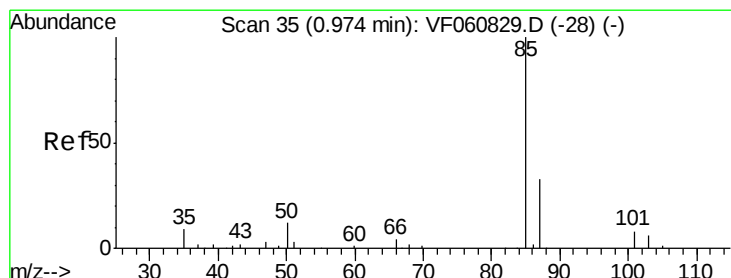
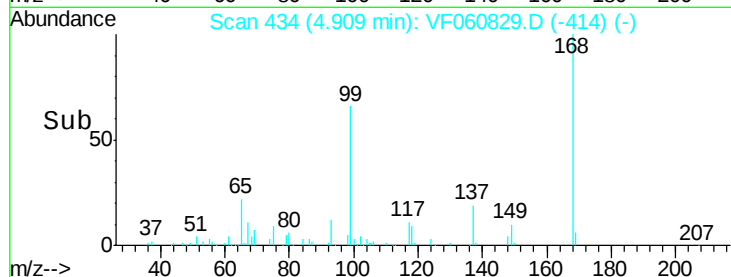
60000

40000

20000

0

Time--> 4.70 4.80 4.90 5.00 5.10



#2

Dichlorodifluoromethane

Concen: 42.893 ug/l

RT: 0.97 min Scan# 35

Delta R.T. 0.00 min

Lab File: VF060829.D

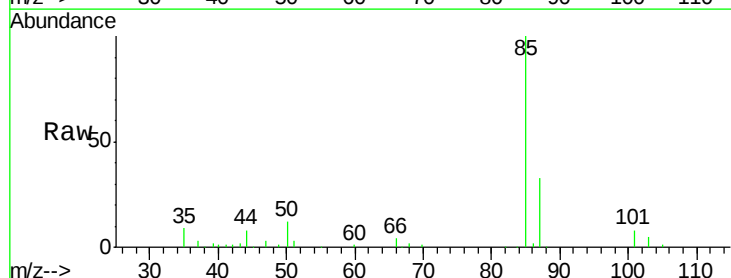
Acq: 26 Nov 2018 18:30

Tgt Ion: 85 Resp: 143942

Ion Ratio Lower Upper

85 100

87 33.3 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

50000

40000

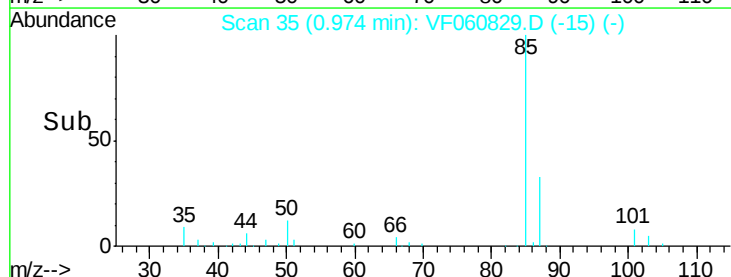
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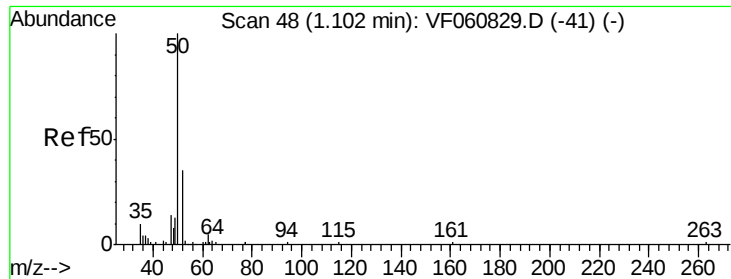
20000

10000

0

Time--> 0.80 0.90 1.00 1.10 1.20





#3

Chloromethane

Concen: 41.154 ug/l

RT: 1.10 min Scan# 48

Delta R.T. 0.00 min

Lab File: VF060829.D

Acq: 26 Nov 2018 18:30

Instrument :

MSVOA_F

ClientSampleId :

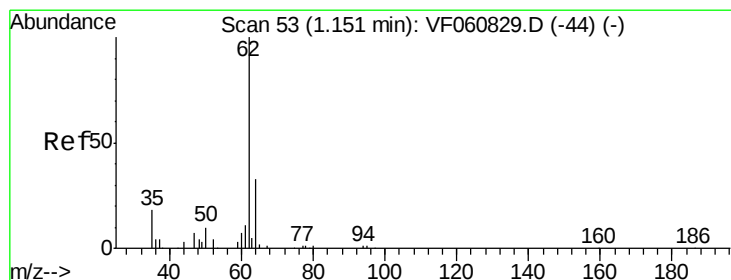
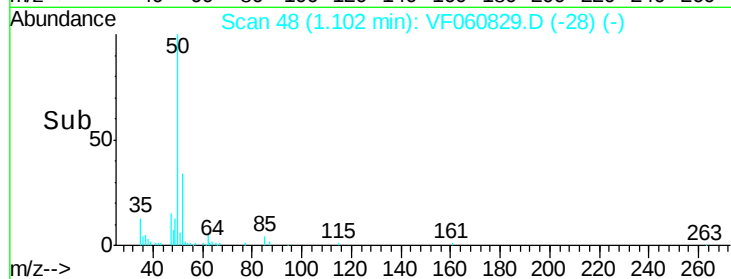
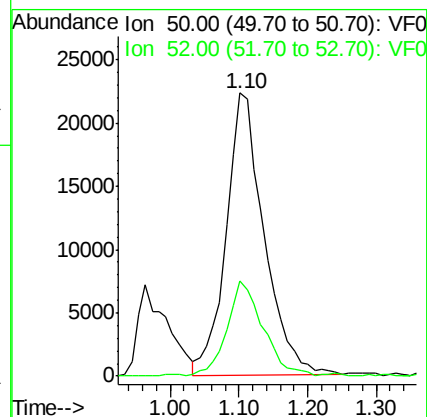
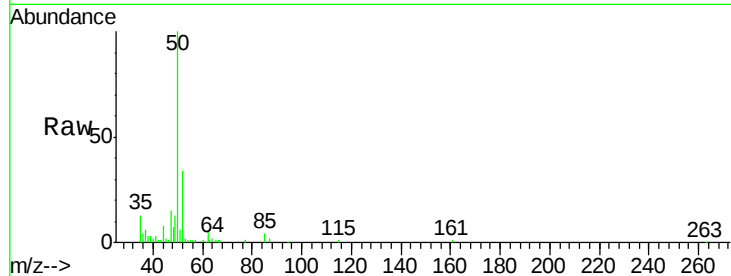
VSTDICCC050

Tgt Ion: 50 Resp: 84785

Ion Ratio Lower Upper

50 100

52 33.7 27.0 40.4



#4

Vinyl Chloride

Concen: 45.740 ug/l

RT: 1.15 min Scan# 53

Delta R.T. 0.00 min

Lab File: VF060829.D

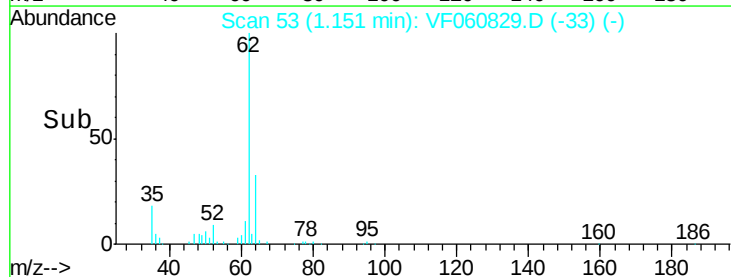
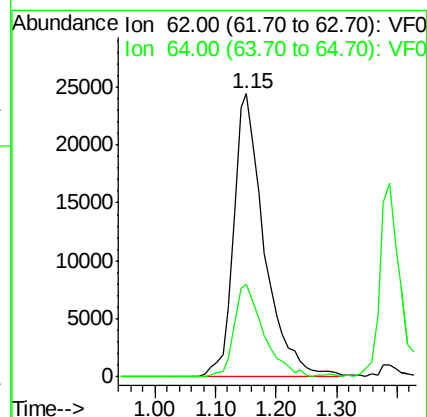
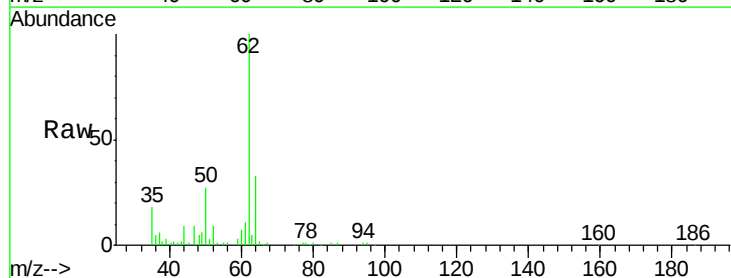
Acq: 26 Nov 2018 18:30

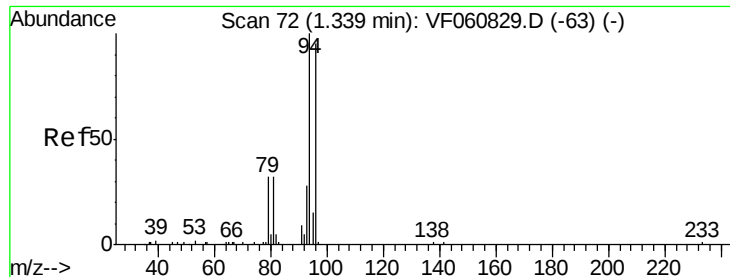
Tgt Ion: 62 Resp: 85698

Ion Ratio Lower Upper

62 100

64 33.0 26.4 39.6





#5

Bromomethane

Concen: 52.769 ug/l

RT: 1.34 min Scan# 72

Delta R.T. 0.00 min

Lab File: VF060829.D

Acq: 26 Nov 2018 18:30

Instrument :

MSVOA_F

ClientSampleId :

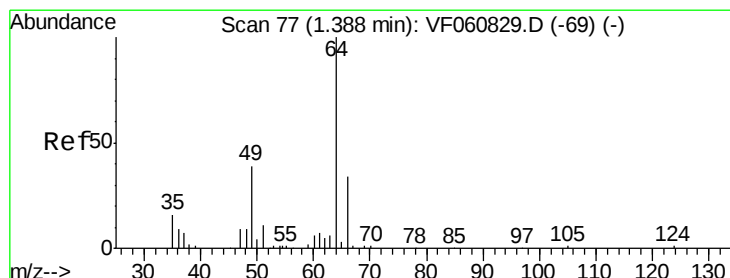
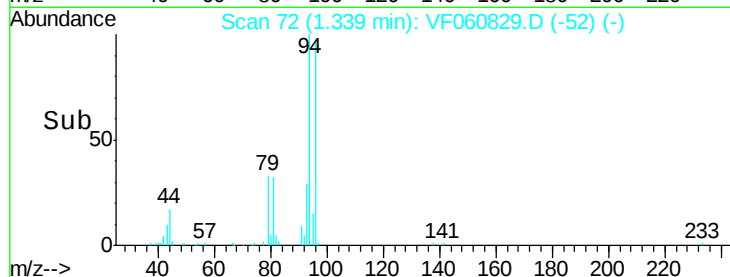
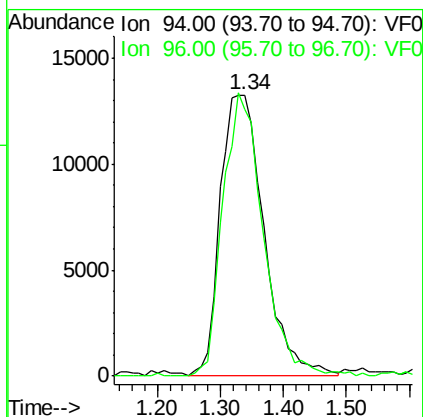
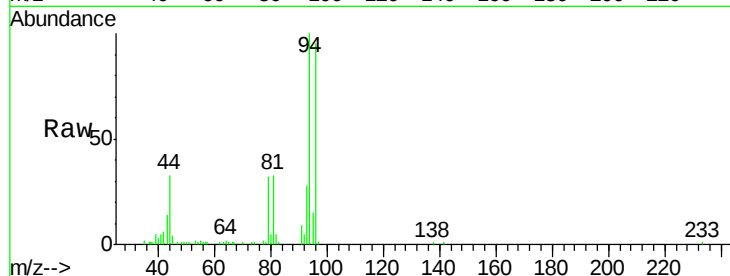
VSTDICCC050

Tgt Ion: 94 Resp: 64022

Ion Ratio Lower Upper

94 100

96 94.9 75.9 113.9



#6

Chloroethane

Concen: 54.261 ug/l

RT: 1.39 min Scan# 77

Delta R.T. 0.00 min

Lab File: VF060829.D

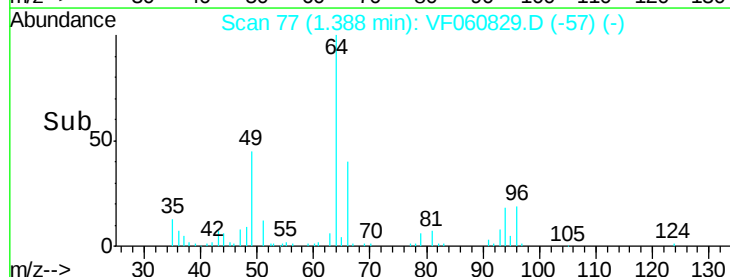
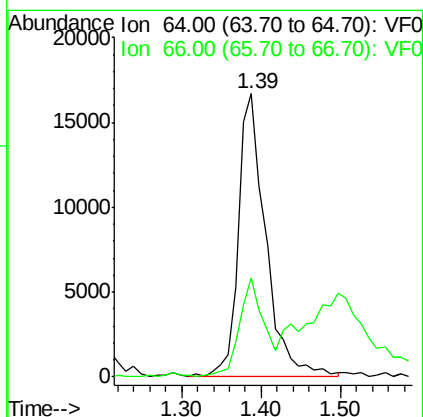
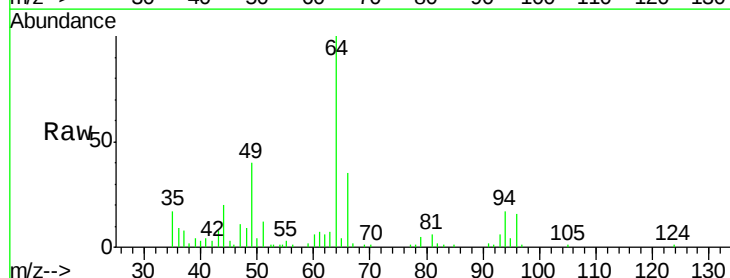
Acq: 26 Nov 2018 18:30

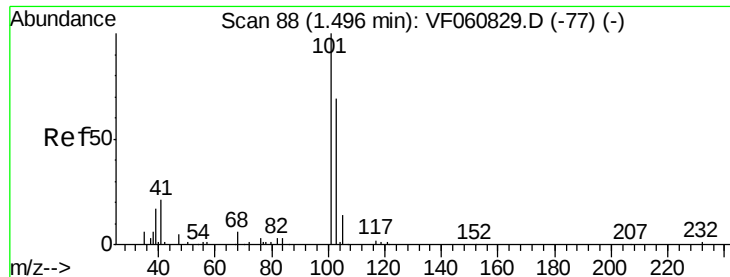
Tgt Ion: 64 Resp: 39785

Ion Ratio Lower Upper

64 100

66 35.1 28.1 42.1



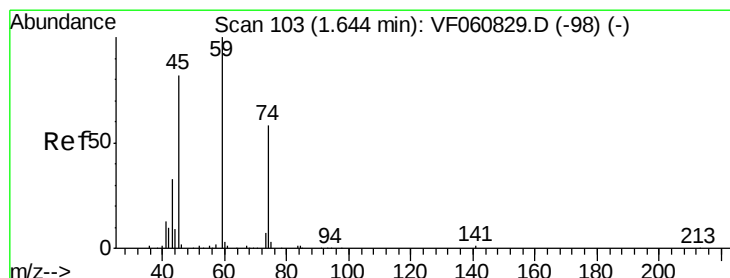
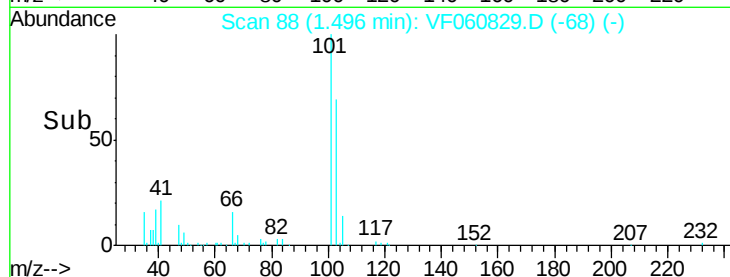
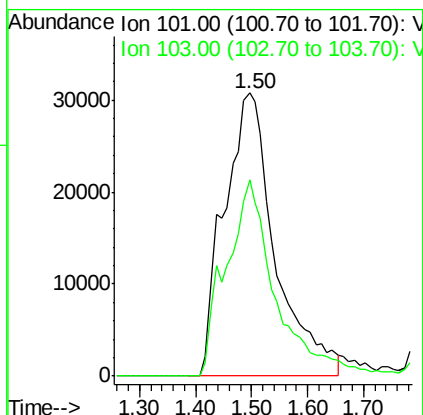
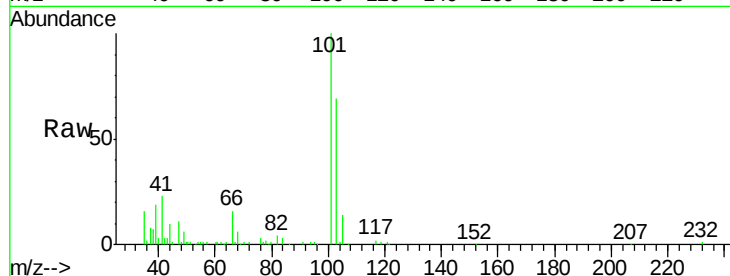


#7

Trichlorofluoromethane
Concen: 47.227 ug/l
RT: 1.50 min Scan# 88
Delta R.T. 0.00 min
Lab File: VF060829.D
Acq: 26 Nov 2018 18:30

Instrument :
MSVOA_F
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VSTDICCC050

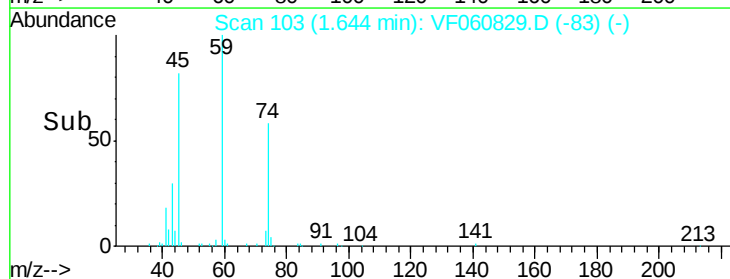
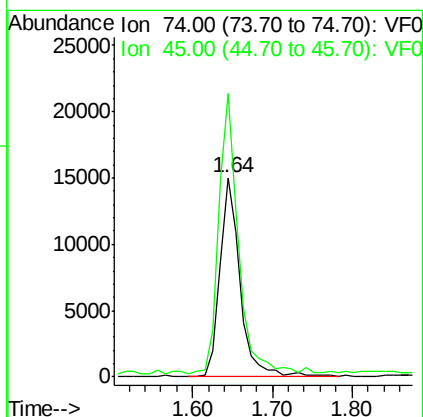
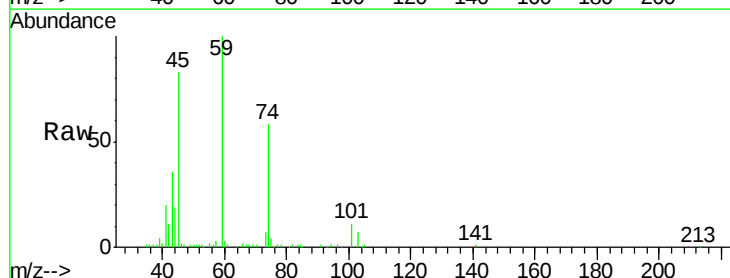
Tgt Ion:101 Resp: 194694
Ion Ratio Lower Upper
101 100
103 69.2 55.4 83.0

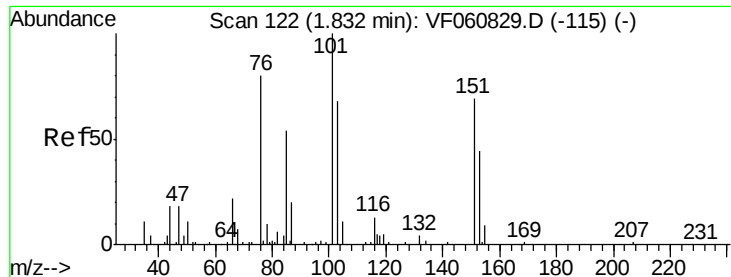


#8

Diethyl Ether
Concen: 50.302 ug/l
RT: 1.64 min Scan# 103
Delta R.T. 0.00 min
Lab File: VF060829.D
Acq: 26 Nov 2018 18:30

Tgt Ion: 74 Resp: 27091
Ion Ratio Lower Upper
74 100
45 141.9 71.0 212.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.778 ug/l

RT: 1.83 min Scan# 122

Delta R.T. 0.00 min

Lab File: VF060829.D

Acq: 26 Nov 2018 18:30

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

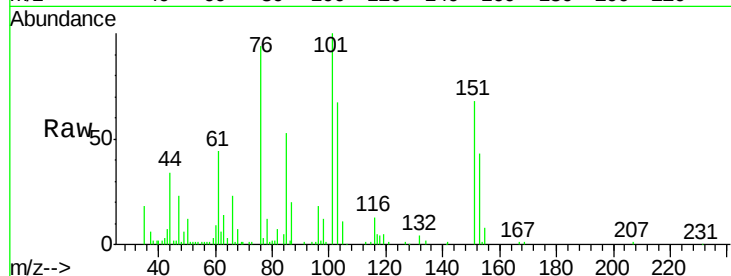
Tgt Ion:101 Resp: 96498

Ion Ratio Lower Upper

101 100

85 53.5 42.8 64.2

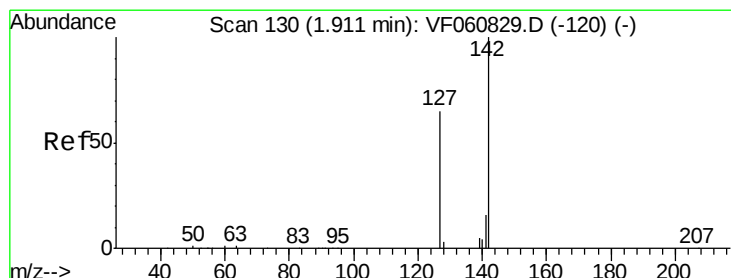
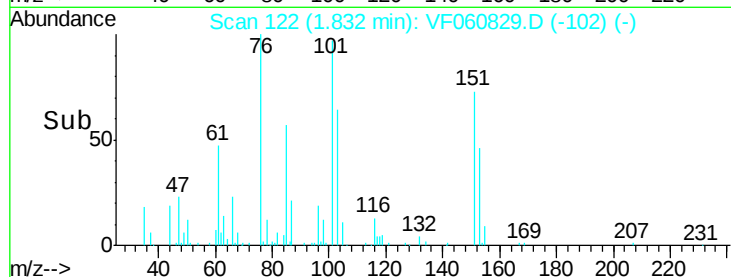
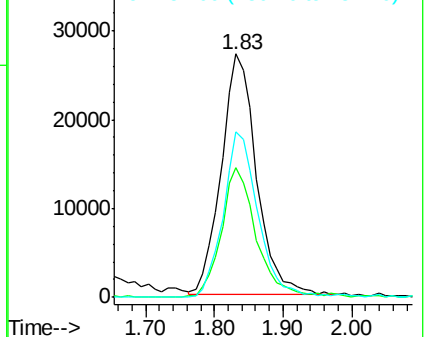
151 68.0 54.4 81.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 46.386 ug/l

RT: 1.91 min Scan# 130

Delta R.T. 0.00 min

Lab File: VF060829.D

Acq: 26 Nov 2018 18:30

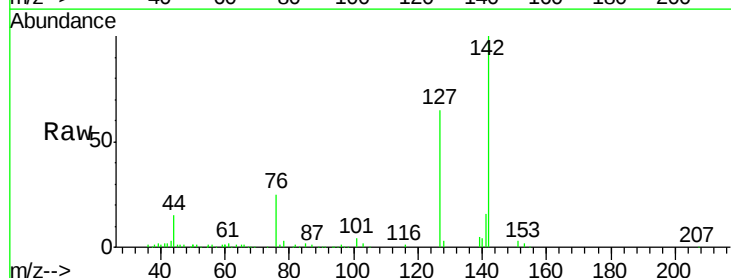
Tgt Ion:142 Resp: 146190

Ion Ratio Lower Upper

142 100

127 64.9 51.9 77.9

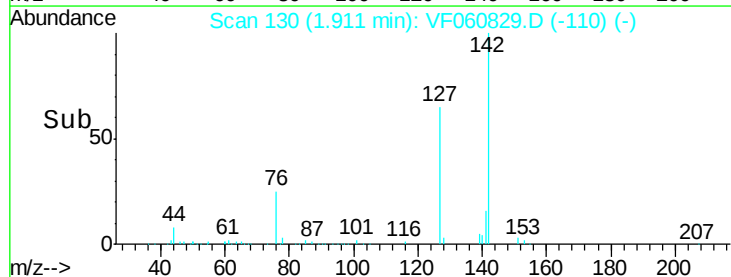
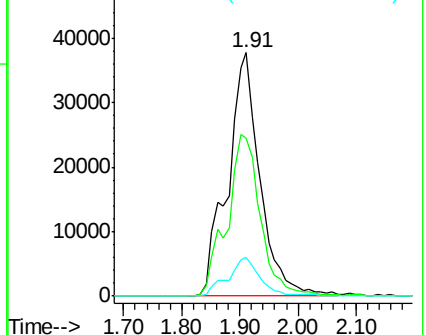
141 15.9 12.7 19.1

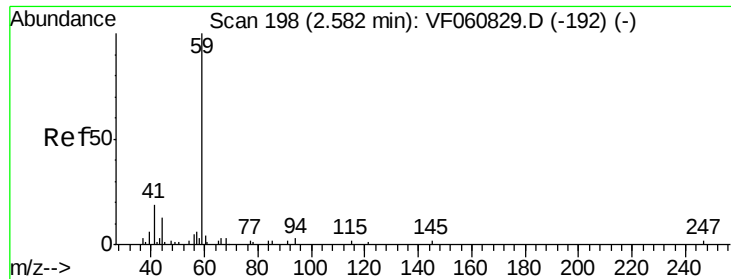


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V

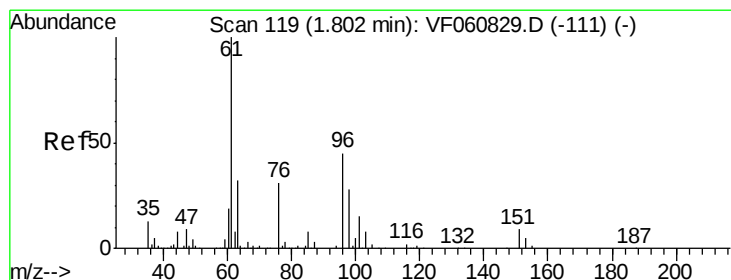
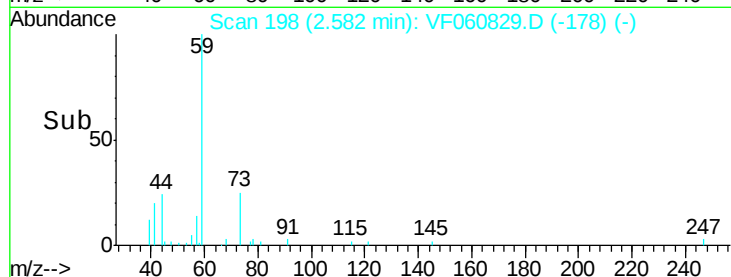
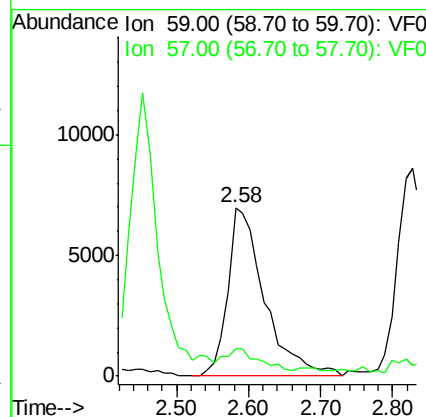
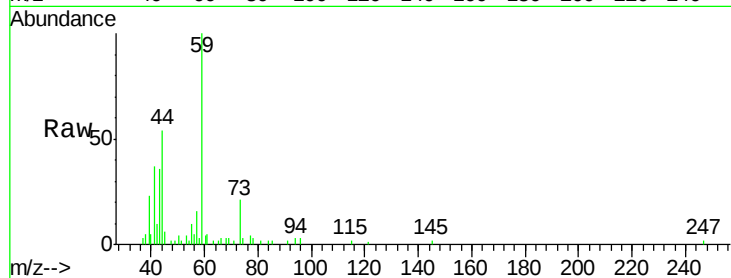




#11
Tert butyl alcohol
Concen: 248.620 ug/l
RT: 2.58 min Scan# 198
Delta R.T. 0.00 min
Lab File: VF060829.D
Acq: 26 Nov 2018 18:30

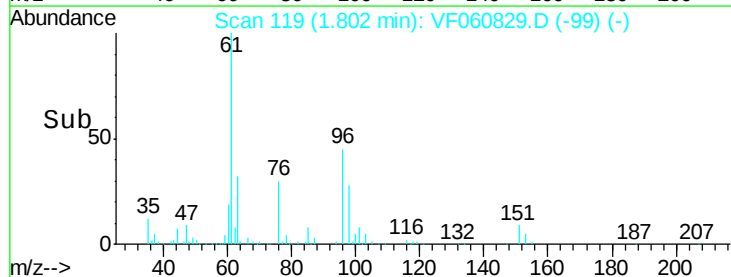
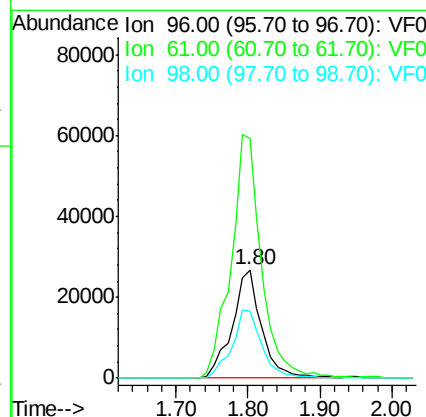
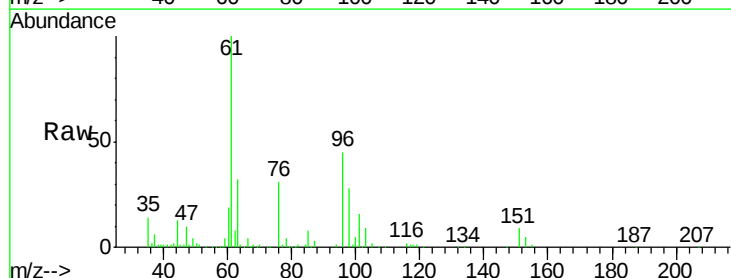
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

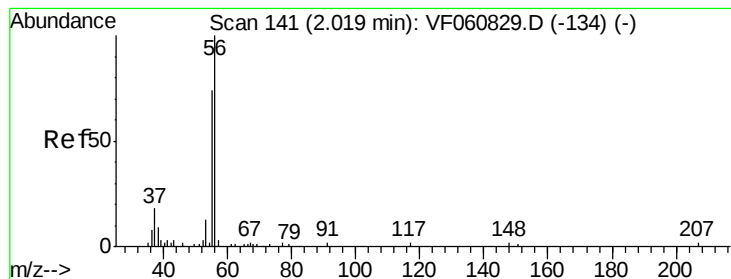
Tgt Ion: 59 Resp: 24716
Ion Ratio Lower Upper
59 100
57 15.9 12.7 19.1



#12
1,1-Dichloroethene
Concen: 48.541 ug/l
RT: 1.80 min Scan# 119
Delta R.T. 0.00 min
Lab File: VF060829.D
Acq: 26 Nov 2018 18:30

Tgt Ion: 96 Resp: 76455
Ion Ratio Lower Upper
96 100
61 221.6 177.3 265.9
98 62.0 49.6 74.4





#13

Acrolein

Concen: 257.922 ug/l

RT: 2.02 min Scan# 141

Delta R.T. 0.00 min

Lab File: VF060829.D

Acq: 26 Nov 2018 18:30

Instrument :

MSVOA_F

ClientSampleId :

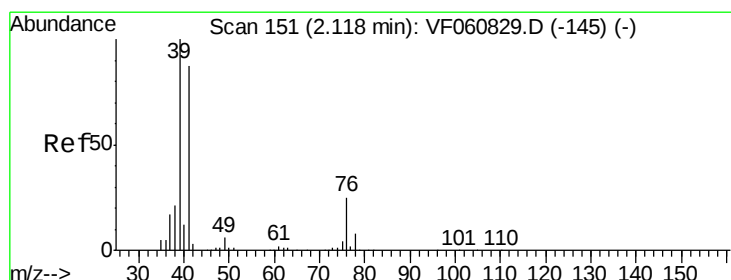
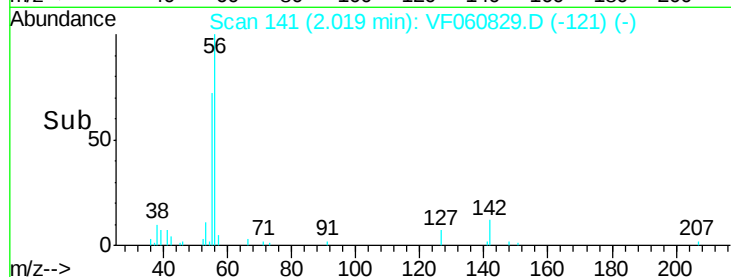
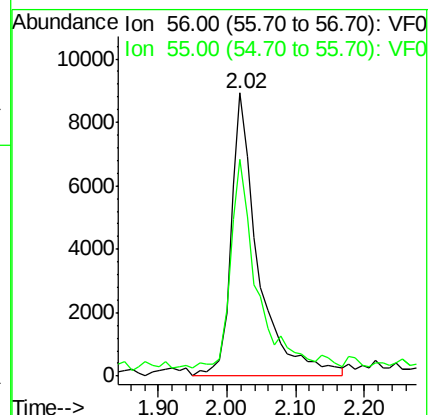
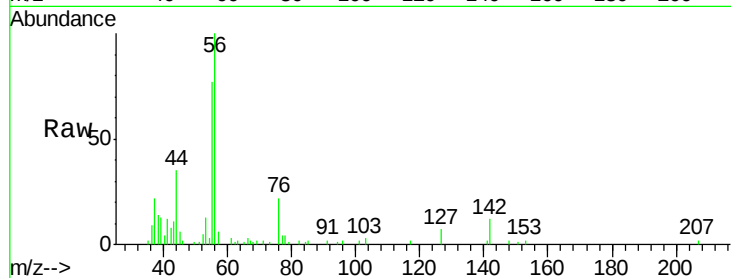
VSTDICCC050

Tgt Ion: 56 Resp: 24244

Ion Ratio Lower Upper

56 100

55 76.5 61.2 91.8



#14

Allyl chloride

Concen: 47.809 ug/l

RT: 2.12 min Scan# 151

Delta R.T. 0.00 min

Lab File: VF060829.D

Acq: 26 Nov 2018 18:30

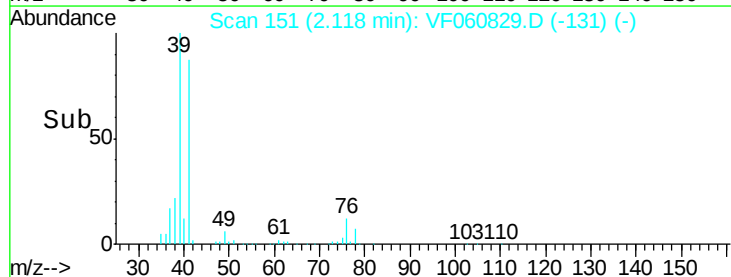
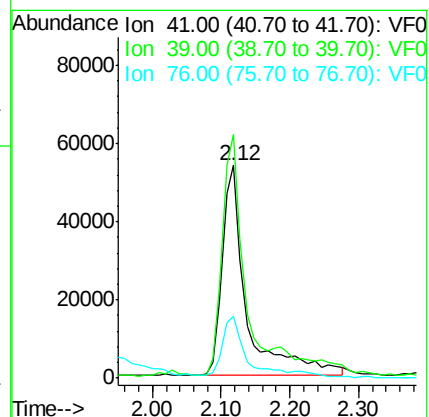
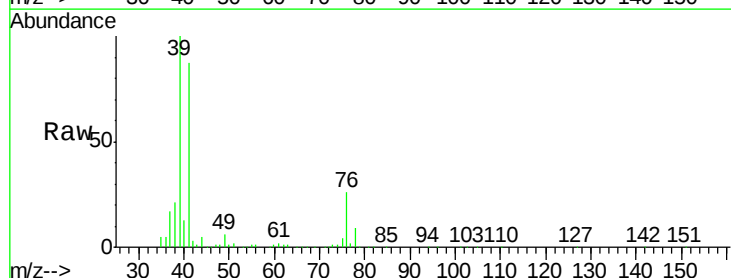
Tgt Ion: 41 Resp: 131079

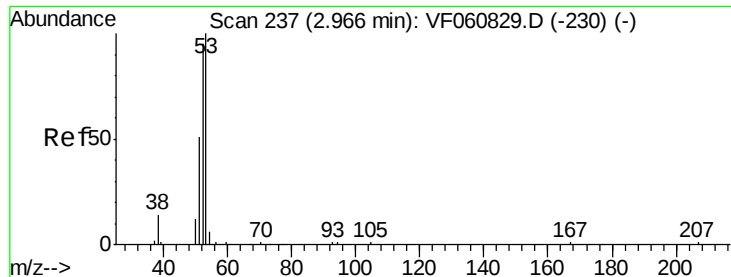
Ion Ratio Lower Upper

41 100

39 114.6 91.7 137.5

76 29.4 23.5 35.3





#15

Acrylonitrile

Concen: 247.638 ug/l

RT: 2.97 min Scan# 237

Delta R.T. 0.00 min

Lab File: VF060829.D

Acq: 26 Nov 2018 18:30

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

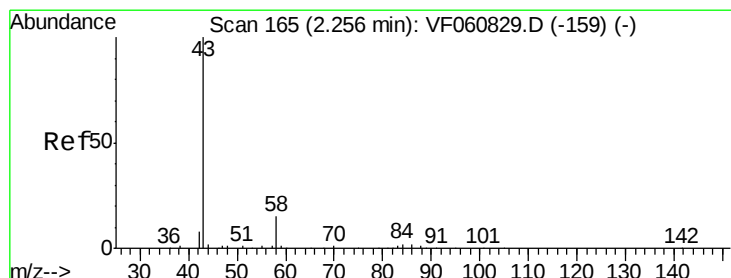
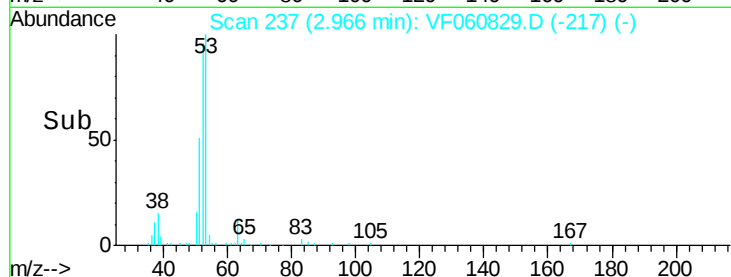
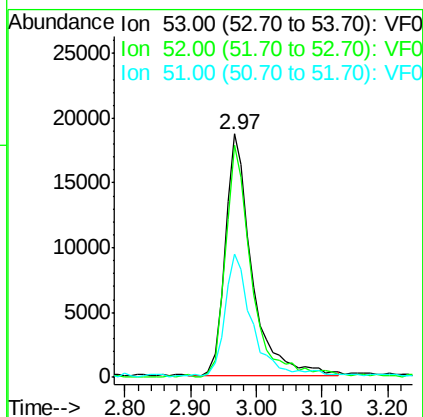
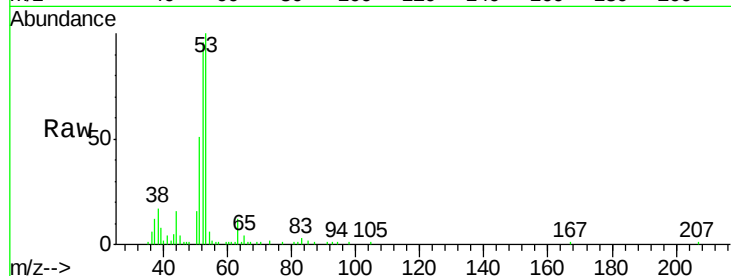
Tgt Ion: 53 Resp: 52592

Ion Ratio Lower Upper

53 100

52 95.6 76.5 114.7

51 50.9 40.7 61.1



#16

Acetone

Concen: 238.419 ug/l

RT: 2.26 min Scan# 165

Delta R.T. 0.00 min

Lab File: VF060829.D

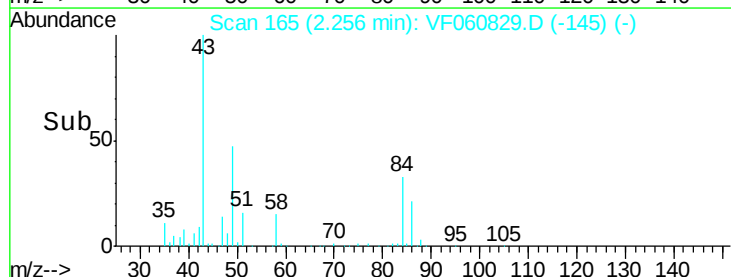
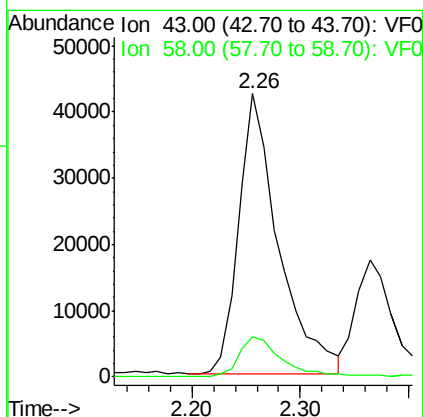
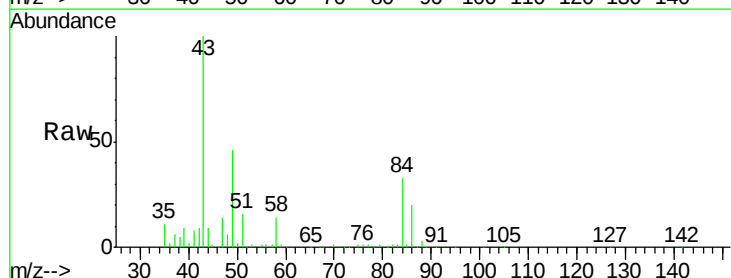
Acq: 26 Nov 2018 18:30

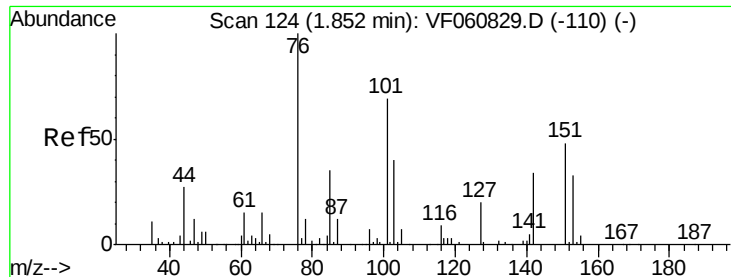
Tgt Ion: 43 Resp: 108345

Ion Ratio Lower Upper

43 100

58 14.3 11.4 17.2

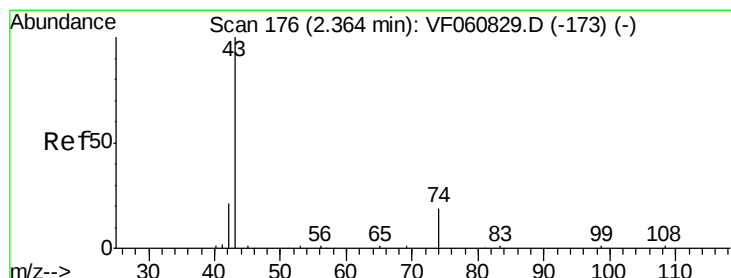
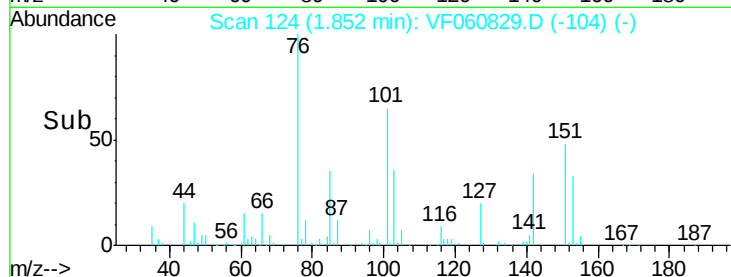
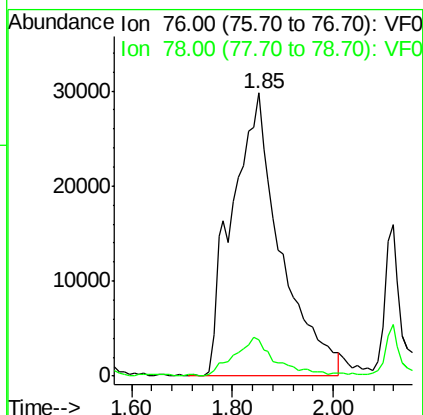
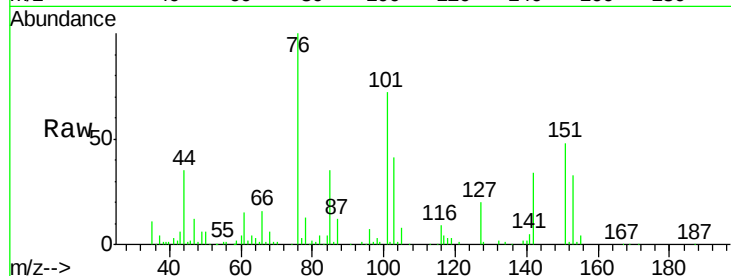




#17
Carbon Disulfide
Concen: 43.190 ug/l
RT: 1.85 min Scan# 124
Delta R.T. 0.00 min
Lab File: VF060829.D
Acq: 26 Nov 2018 18:30

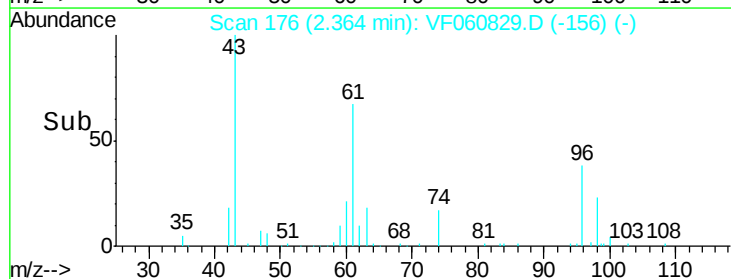
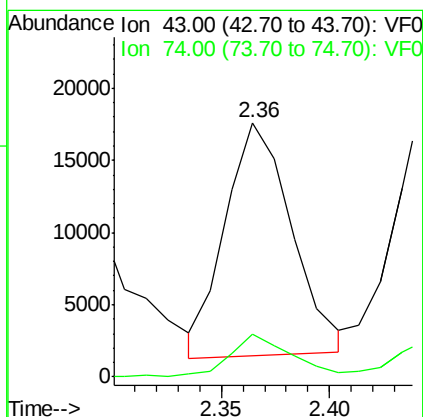
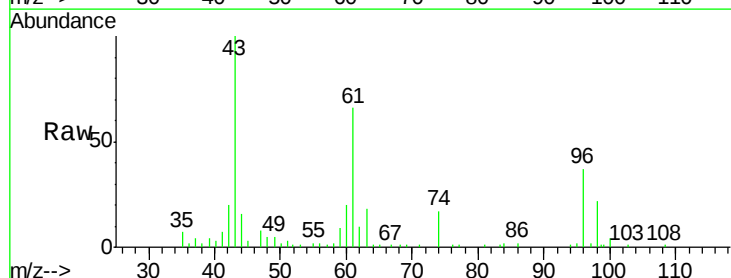
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

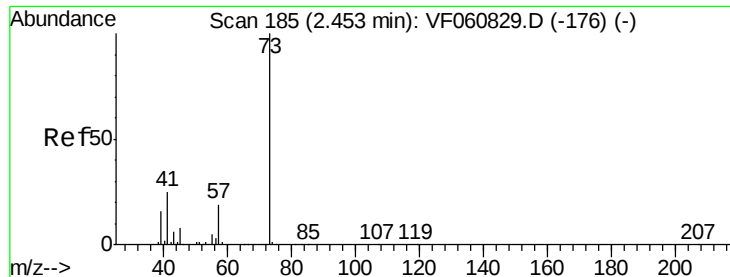
Tgt Ion: 76 Resp: 199661
Ion Ratio Lower Upper
76 100
78 12.7 10.2 15.2



#18
Methyl Acetate
Concen: 45.835 ug/l
RT: 2.36 min Scan# 176
Delta R.T. 0.00 min
Lab File: VF060829.D
Acq: 26 Nov 2018 18:30

Tgt Ion: 43 Resp: 34790
Ion Ratio Lower Upper
43 100
74 16.6 13.3 19.9

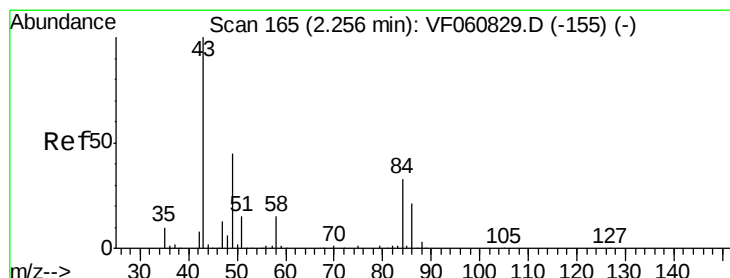
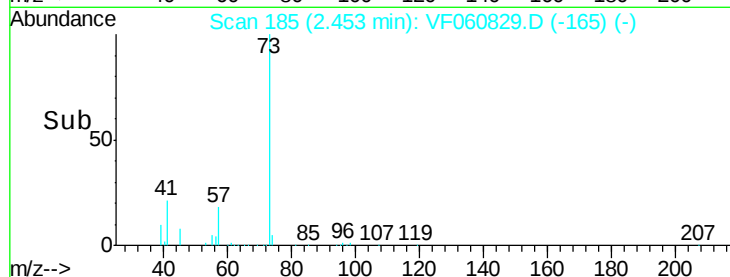
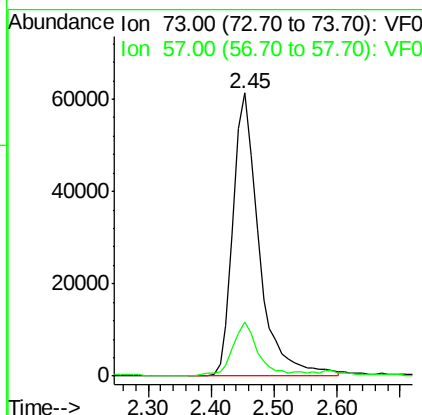
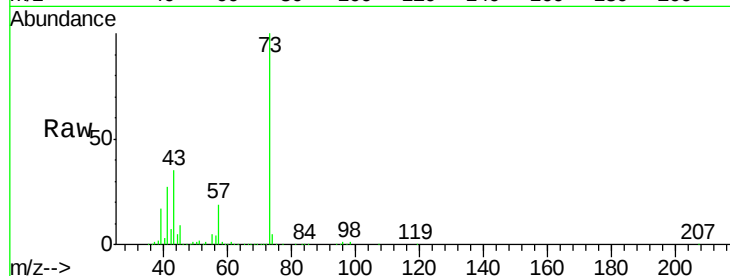




#19
Methyl tert-butyl Ether
Concen: 47.194 ug/l
RT: 2.45 min Scan# 185
Delta R.T. 0.00 min
Lab File: VF060829.D
Acq: 26 Nov 2018 18:30

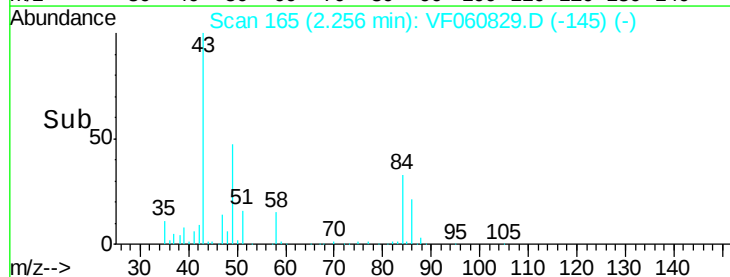
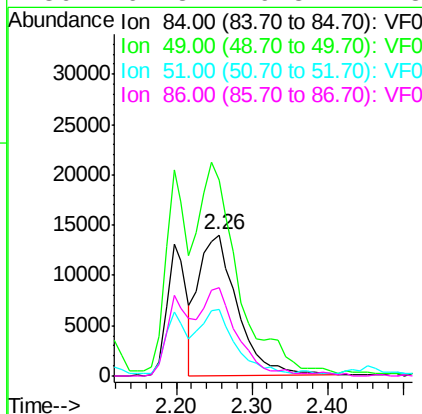
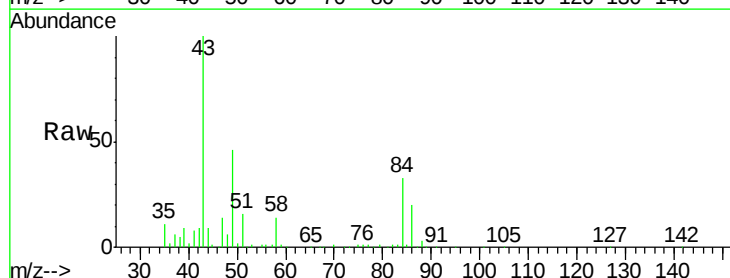
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

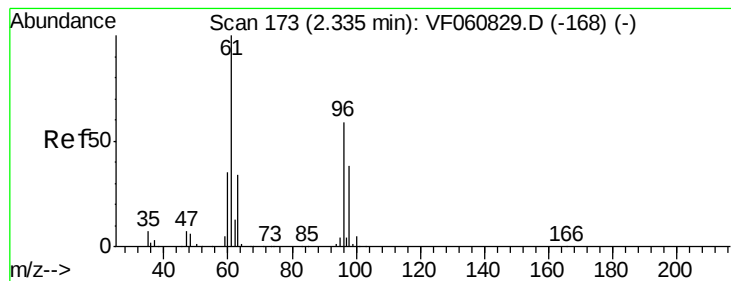
Tgt Ion: 73 Resp: 175373
Ion Ratio Lower Upper
73 100
57 19.1 15.3 22.9



#20
Methylene Chloride
Concen: 28.118 ug/l
RT: 2.26 min Scan# 165
Delta R.T. 0.00 min
Lab File: VF060829.D
Acq: 26 Nov 2018 18:30

Tgt Ion: 84 Resp: 49196
Ion Ratio Lower Upper
84 100
49 139.1 111.3 166.9
51 47.5 38.0 57.0
86 62.3 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 47.122 ug/l

RT: 2.33 min Scan# 173

Delta R.T. 0.00 min

Lab File: VF060829.D

Acq: 26 Nov 2018 18:30

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

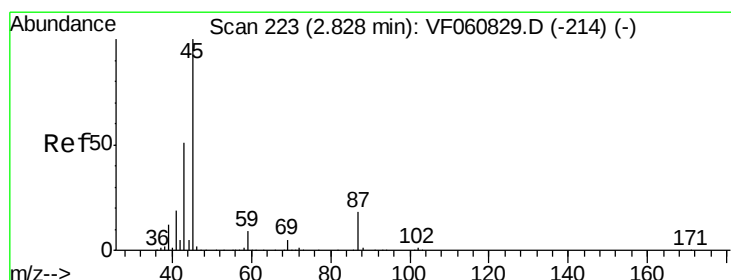
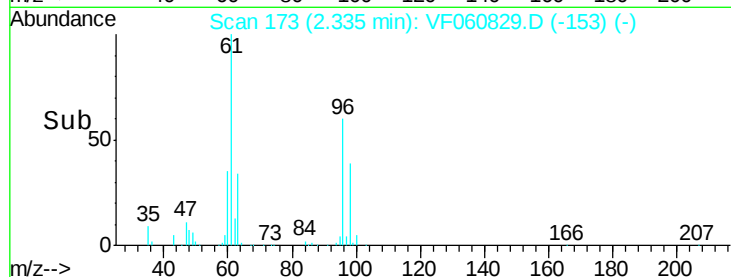
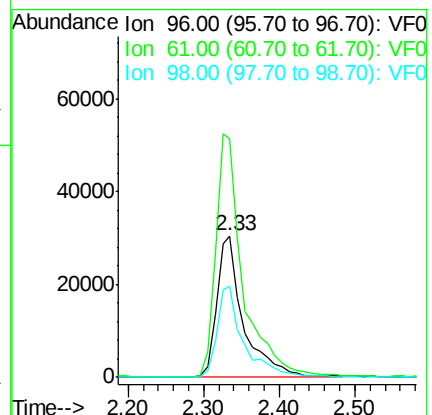
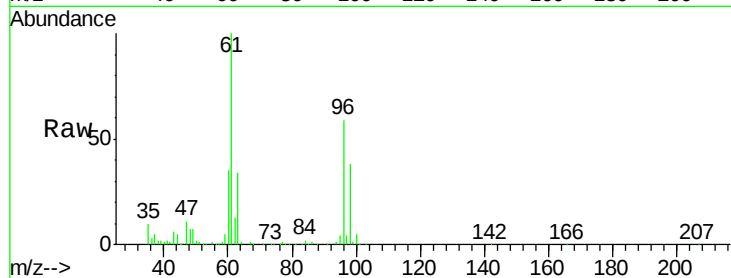
Tgt Ion: 96 Resp: 75588

Ion Ratio Lower Upper

96 100

61 168.1 134.5 201.7

98 64.5 51.6 77.4



#22

Diisopropyl ether

Concen: 50.095 ug/l

RT: 2.83 min Scan# 223

Delta R.T. 0.00 min

Lab File: VF060829.D

Acq: 26 Nov 2018 18:30

Tgt Ion: 45 Resp: 265648

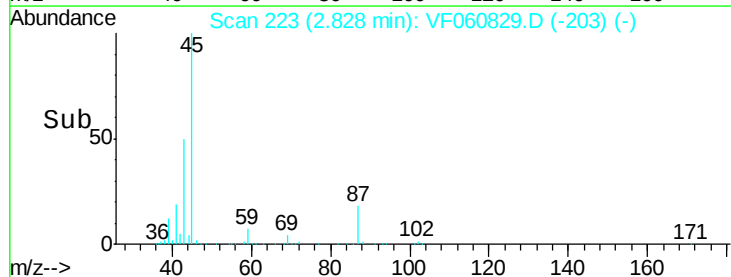
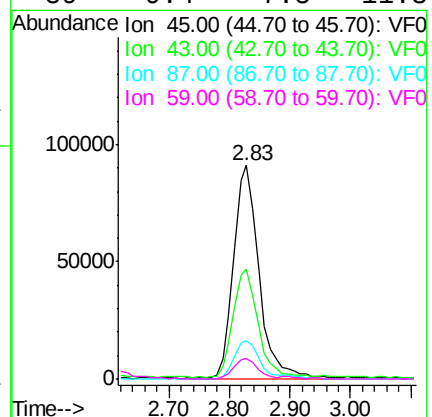
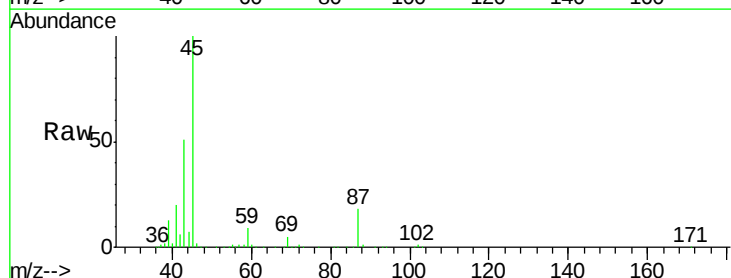
Ion Ratio Lower Upper

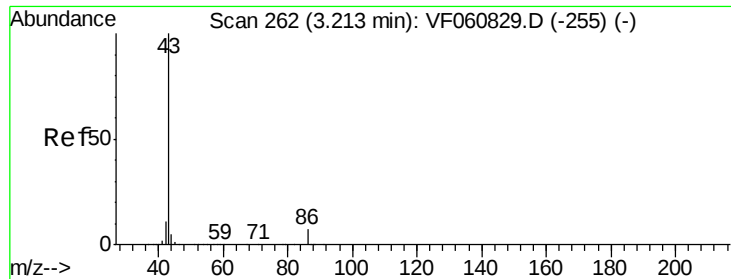
45 100

43 51.3 41.0 61.6

87 18.3 14.6 22.0

59 9.4 7.5 11.3





#23

Vinyl Acetate

Concen: 247.589 ug/l

RT: 3.21 min Scan# 262

Delta R.T. 0.00 min

Lab File: VF060829.D

Acq: 26 Nov 2018 18:30

Instrument :

MSVOA_F

ClientSampleId :

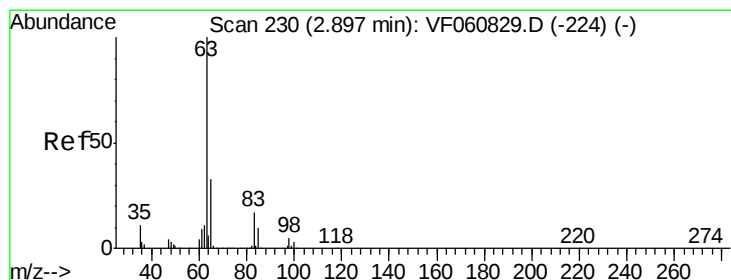
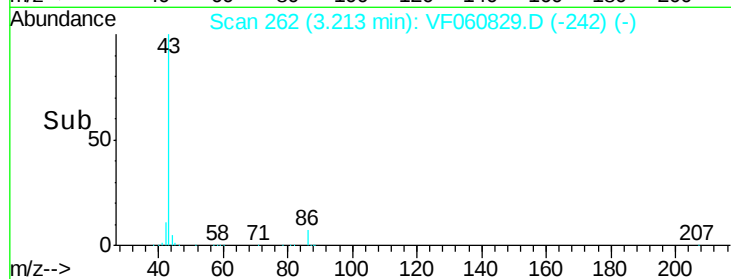
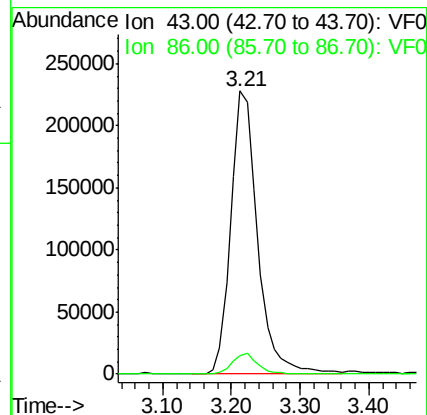
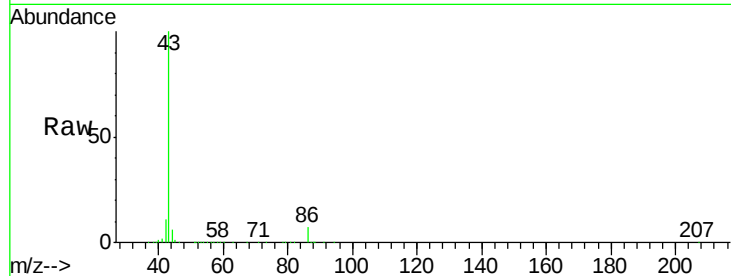
VSTDICCC050

Tgt Ion: 43 Resp: 611132

Ion Ratio Lower Upper

43 100

86 6.7 5.4 8.0



#24

1,1-Dichloroethane

Concen: 50.639 ug/l

RT: 2.90 min Scan# 230

Delta R.T. 0.00 min

Lab File: VF060829.D

Acq: 26 Nov 2018 18:30

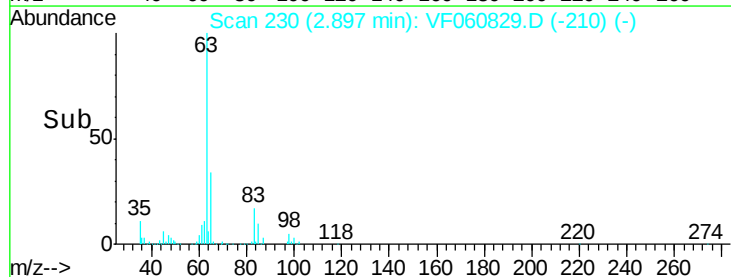
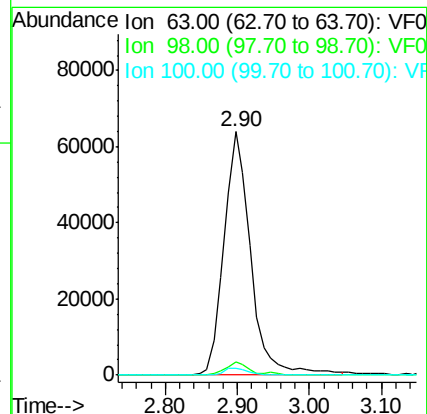
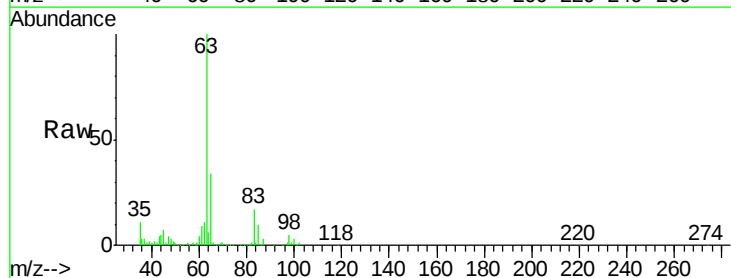
Tgt Ion: 63 Resp: 164167

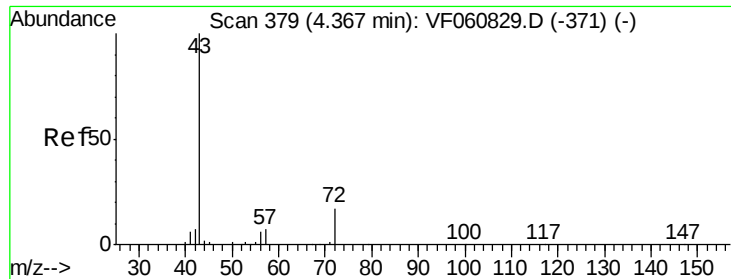
Ion Ratio Lower Upper

63 100

98 5.4 2.7 8.1

100 3.0 1.5 4.5





#25

2-Butanone

Concen: 243.368 ug/l

RT: 4.37 min Scan# 379

Delta R.T. 0.00 min

Lab File: VF060829.D

Acq: 26 Nov 2018 18:30

Instrument :

MSVOA_F

ClientSampleId :

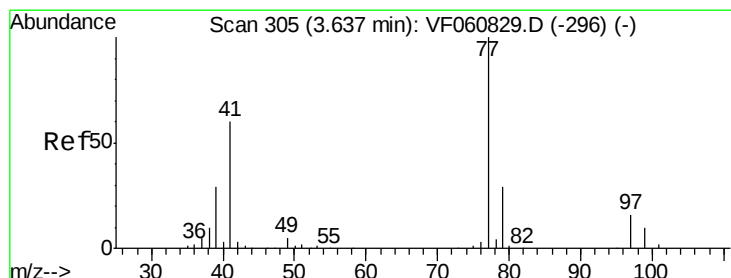
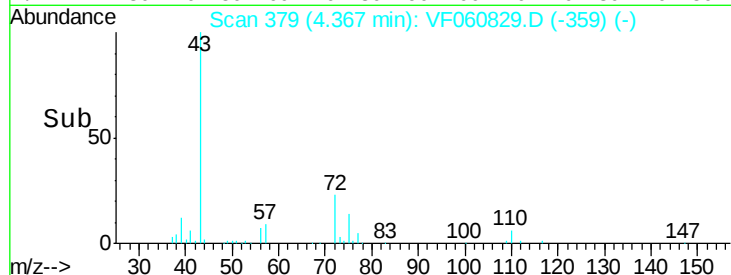
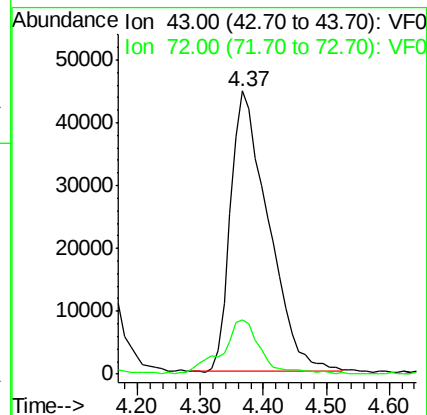
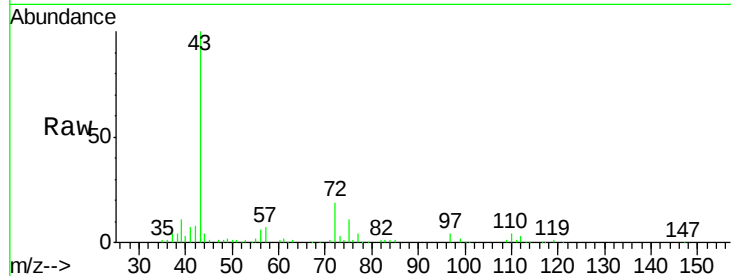
VSTDICCC050

Tgt Ion: 43 Resp: 186549

Ion Ratio Lower Upper

43 100

72 19.3 15.4 23.2



#26

2,2-Dichloropropane

Concen: 42.528 ug/l

RT: 3.64 min Scan# 305

Delta R.T. 0.00 min

Lab File: VF060829.D

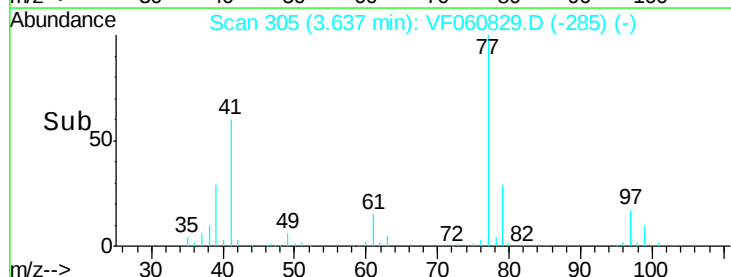
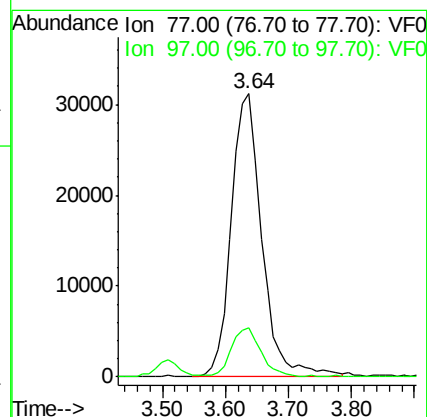
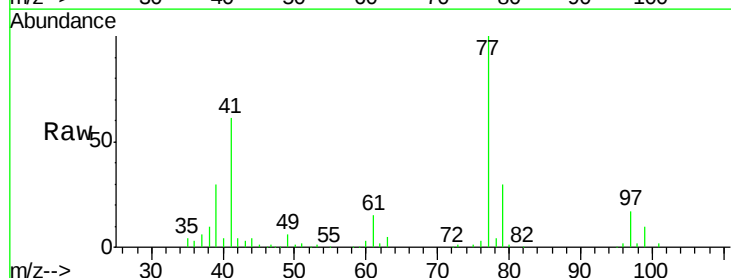
Acq: 26 Nov 2018 18:30

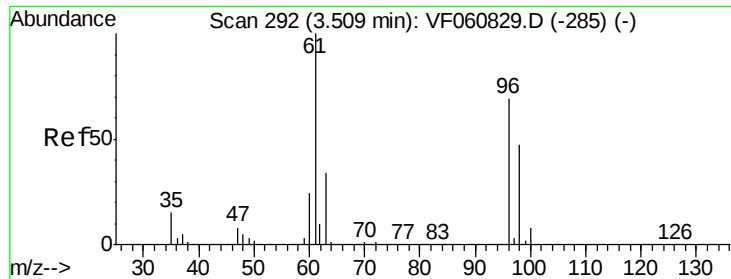
Tgt Ion: 77 Resp: 104867

Ion Ratio Lower Upper

77 100

97 17.2 8.6 25.8



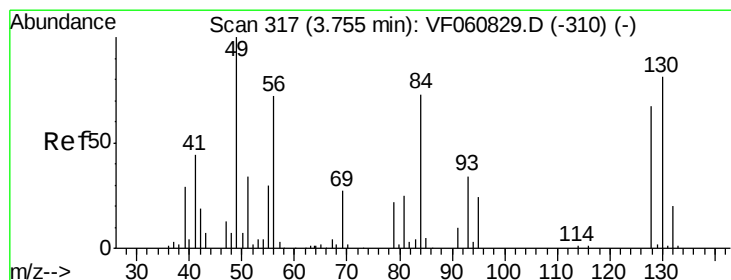
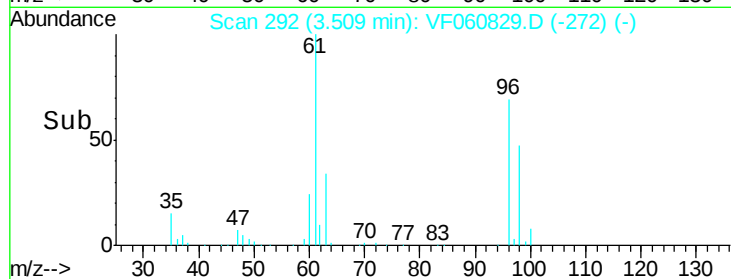
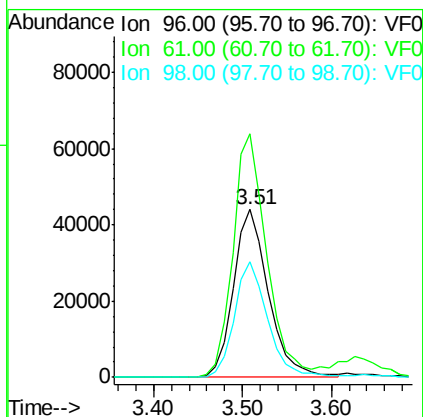
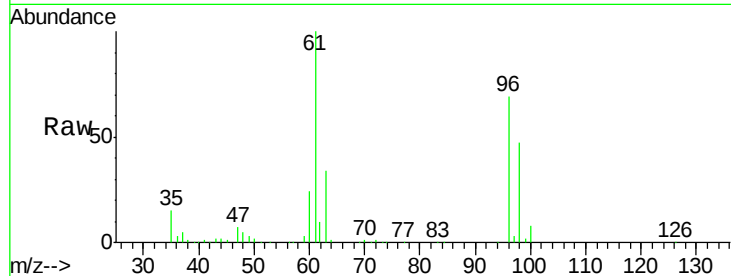


#27

cis-1,2-Dichloroethene
Concen: 44.331 ug/l
RT: 3.51 min Scan# 292
Delta R.T. 0.00 min
Lab File: VF060829.D
Acq: 26 Nov 2018 18:30

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

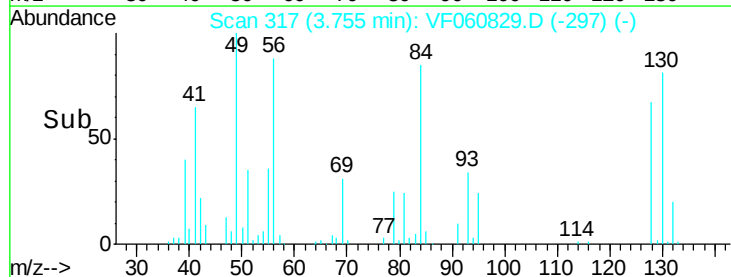
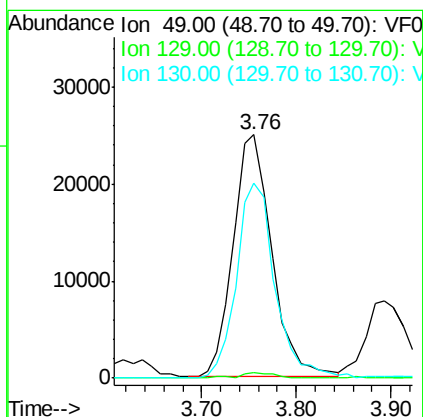
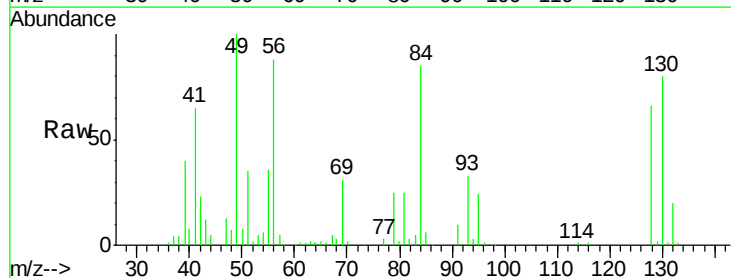
Tgt Ion: 96 Resp: 120822
Ion Ratio Lower Upper
96 100
61 145.3 0.0 290.6
98 68.9 0.0 137.8

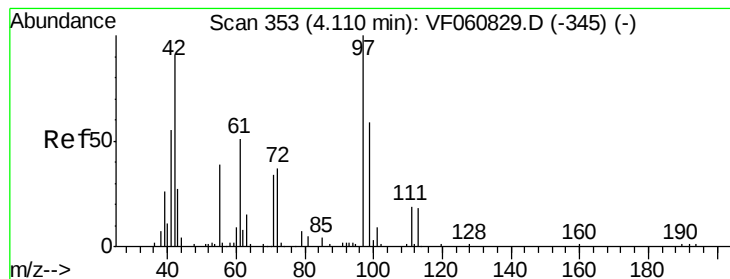


#28

Bromochloromethane
Concen: 43.336 ug/l
RT: 3.76 min Scan# 317
Delta R.T. 0.00 min
Lab File: VF060829.D
Acq: 26 Nov 2018 18:30

Tgt Ion: 49 Resp: 70912
Ion Ratio Lower Upper
49 100
129 2.2 0.0 4.4
130 80.3 64.2 96.4





#29

Tetrahydrofuran

Concen: 238.259 ug/l

RT: 4.11 min Scan# 353

Delta R.T. 0.00 min

Lab File: VF060829.D

Acq: 26 Nov 2018 18:30

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

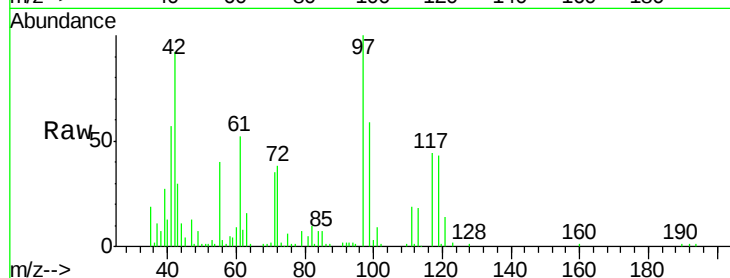
Tgt Ion: 42 Resp: 75462

Ion Ratio Lower Upper

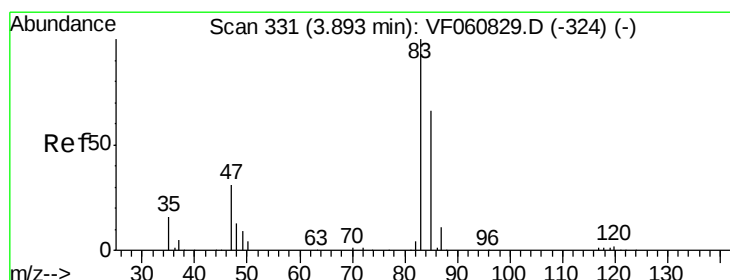
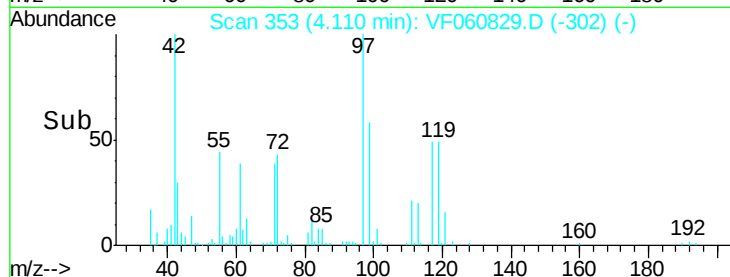
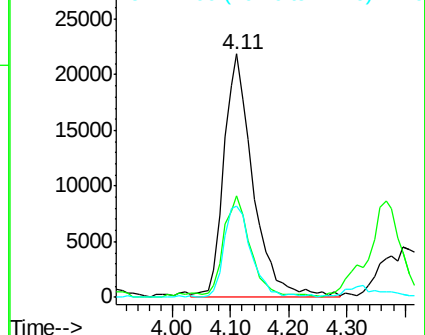
42 100

72 39.9 31.9 47.9

71 35.9 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: 46.788 ug/l

RT: 3.89 min Scan# 331

Delta R.T. 0.00 min

Lab File: VF060829.D

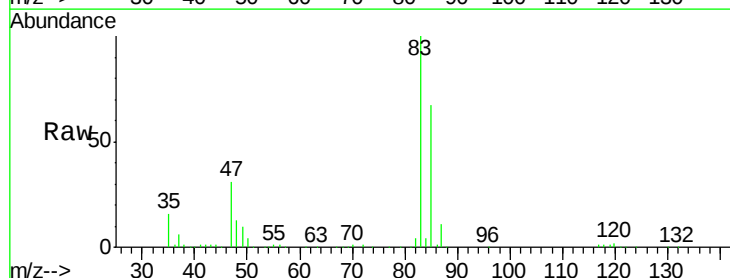
Acq: 26 Nov 2018 18:30

Tgt Ion: 83 Resp: 237318

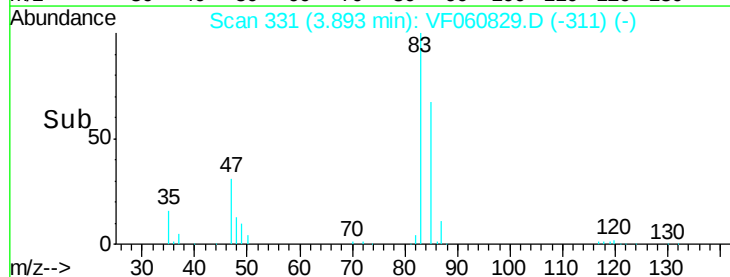
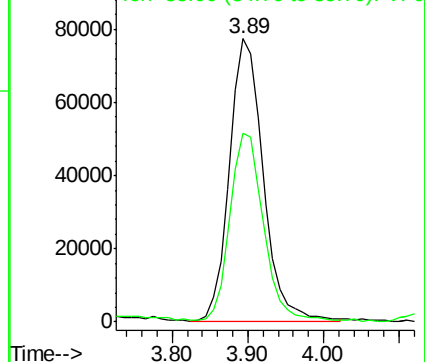
Ion Ratio Lower Upper

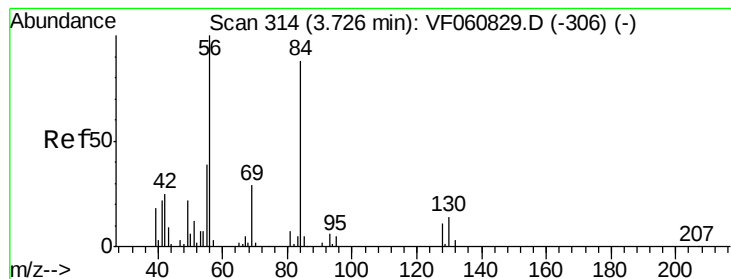
83 100

85 66.8 53.4 80.2



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





#31

Cyclohexane

Concen: 40.691 ug/l

RT: 3.73 min Scan# 314

Delta R.T. 0.00 min

Lab File: VF060829.D

Acq: 26 Nov 2018 18:30

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

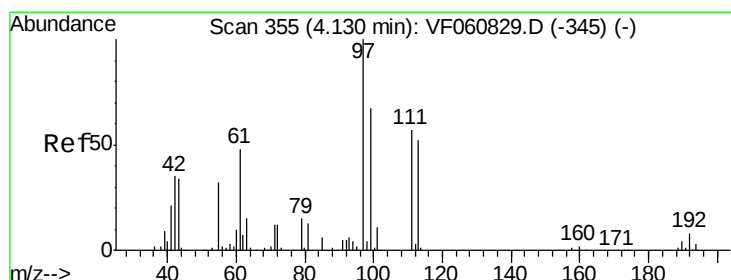
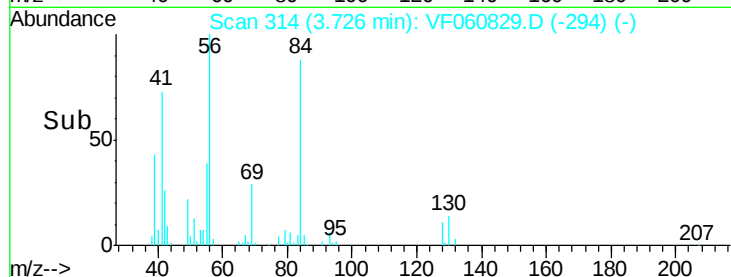
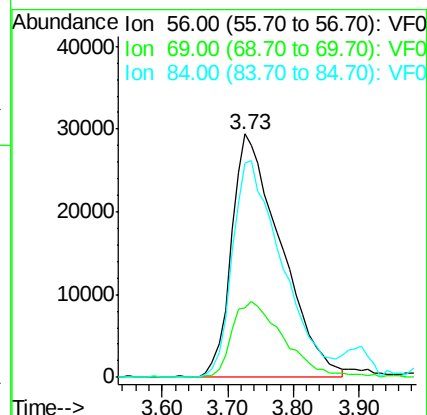
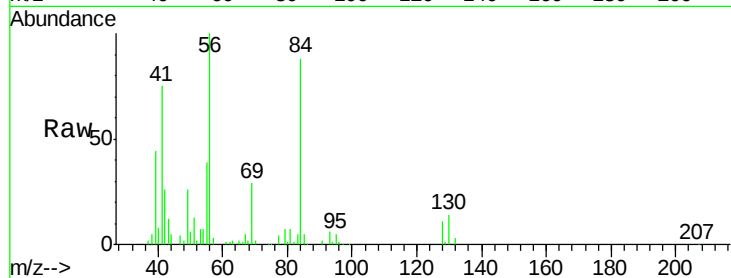
Tgt Ion: 56 Resp: 154575

Ion Ratio Lower Upper

56 100

69 28.7 23.0 34.4

84 88.0 70.4 105.6



#32

1,1,1-Trichloroethane

Concen: 44.804 ug/l

RT: 4.13 min Scan# 355

Delta R.T. 0.00 min

Lab File: VF060829.D

Acq: 26 Nov 2018 18:30

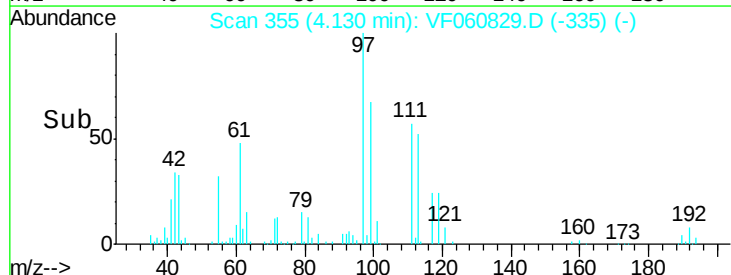
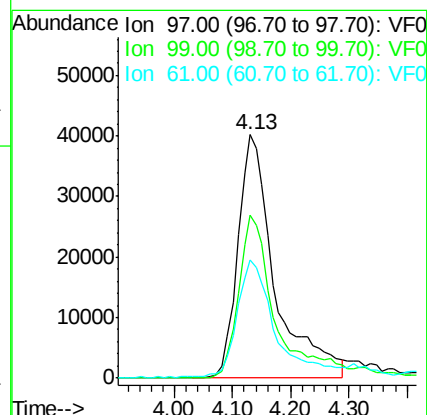
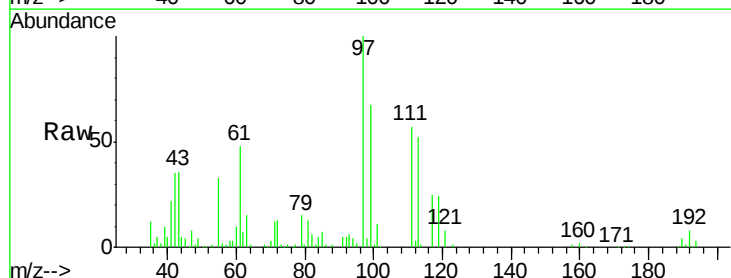
Tgt Ion: 97 Resp: 178400

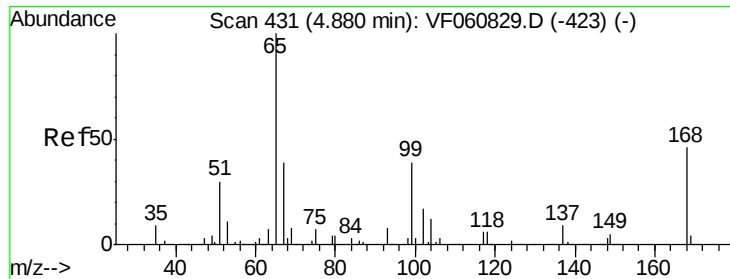
Ion Ratio Lower Upper

97 100

99 66.9 53.5 80.3

61 48.3 38.6 58.0





#33

1,2-Dichloroethane-d4

Concen: 53.211 ug/l

RT: 4.88 min Scan# 431

Delta R.T. 0.00 min

Lab File: VF060829.D

Acq: 26 Nov 2018 18:30

Instrument :

MSVOA_F

ClientSampleId :

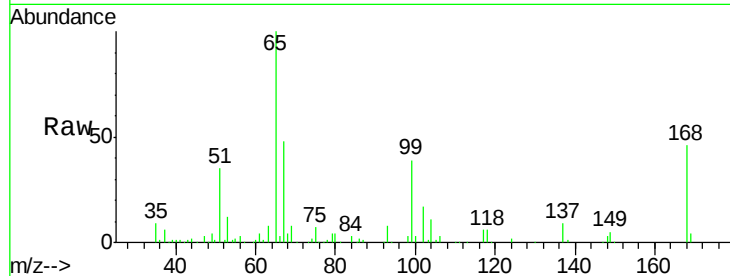
VSTDICCC050

Tgt Ion: 65 Resp: 119826

Ion Ratio Lower Upper

65 100

67 48.2 0.0 96.4

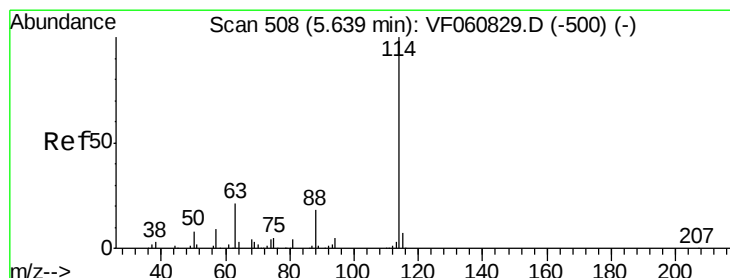
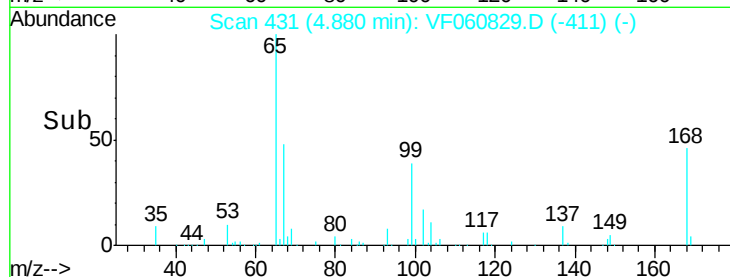


Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

4.88

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 508

Delta R.T. 0.00 min

Lab File: VF060829.D

Acq: 26 Nov 2018 18:30

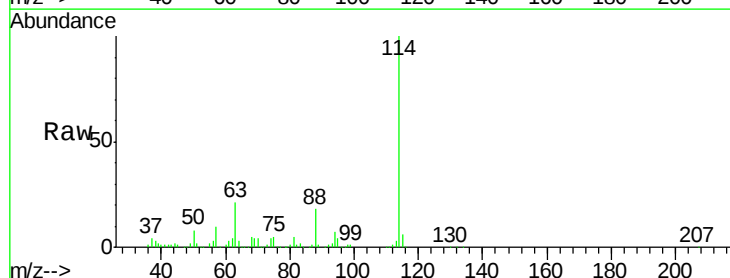
Tgt Ion: 114 Resp: 304514

Ion Ratio Lower Upper

114 100

63 20.8 0.0 41.6

88 18.3 0.0 36.6



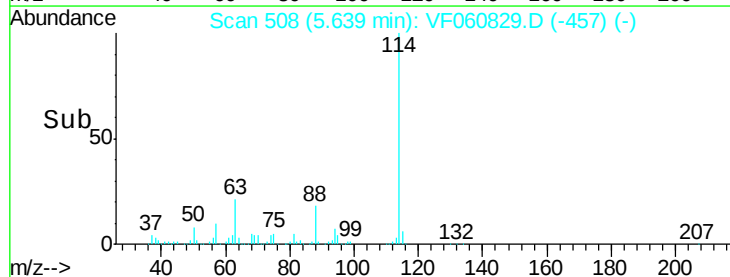
Abundance Ion 114.00 (113.70 to 114.70): V

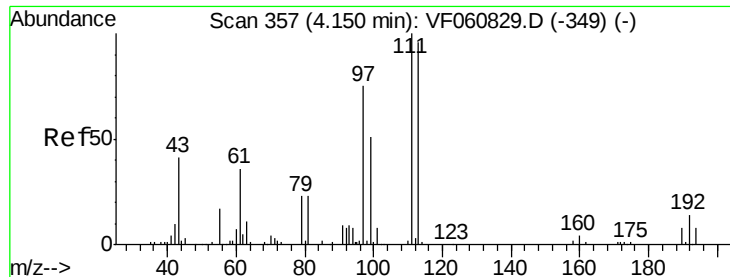
Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

5.64

Time-->

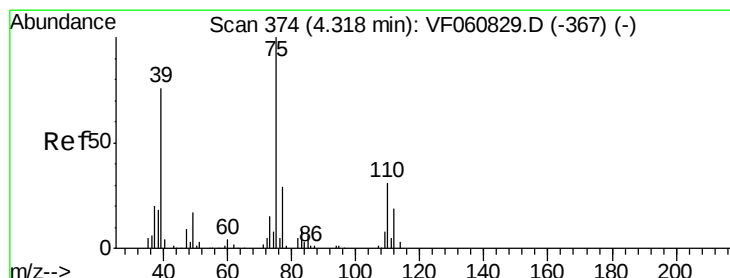
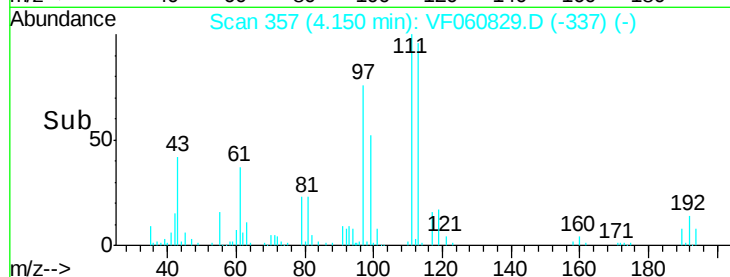
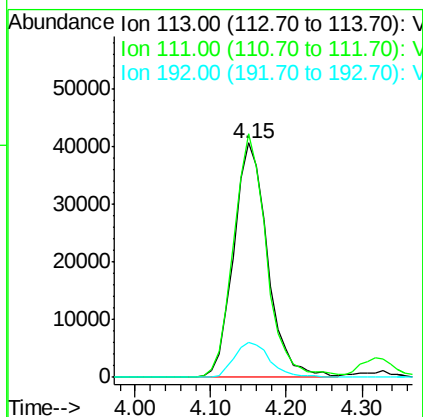
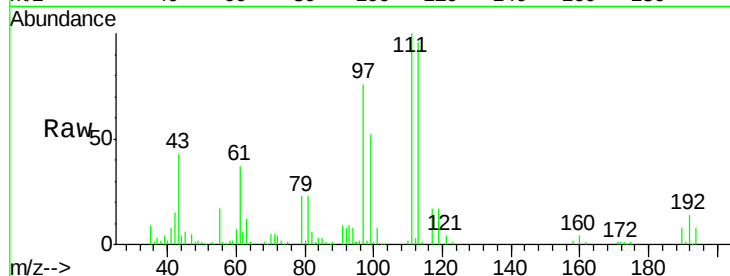




#35
 Dibromofluoromethane
 Concen: 53.724 ug/l
 RT: 4.15 min Scan# 357
 Delta R.T. 0.00 min
 Lab File: VF060829.D
 Acq: 26 Nov 2018 18:30

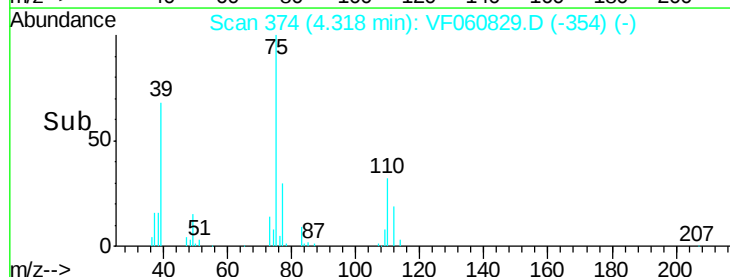
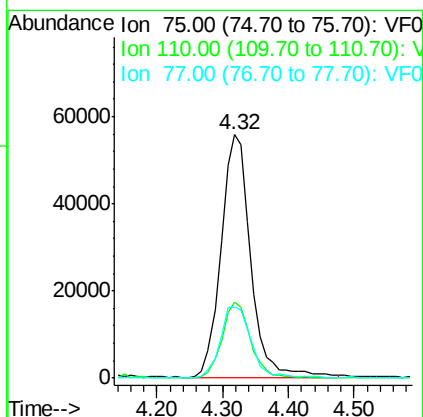
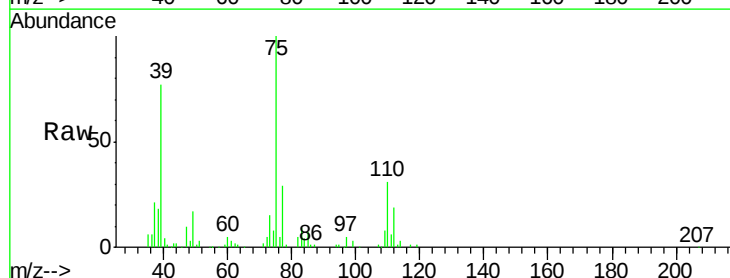
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

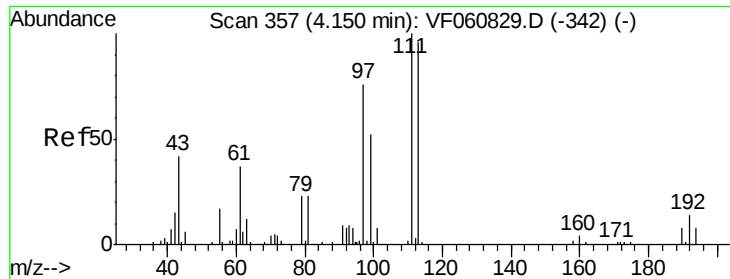
Tgt Ion: 113 Resp: 126426
 Ion Ratio Lower Upper
 113 100
 111 103.8 83.0 124.6
 192 15.4 12.3 18.5



#36
 1,1-Dichloropropene
 Concen: 49.913 ug/l
 RT: 4.32 min Scan# 374
 Delta R.T. 0.00 min
 Lab File: VF060829.D
 Acq: 26 Nov 2018 18:30

Tgt Ion: 75 Resp: 175378
 Ion Ratio Lower Upper
 75 100
 110 31.2 15.6 46.8
 77 29.2 23.4 35.0

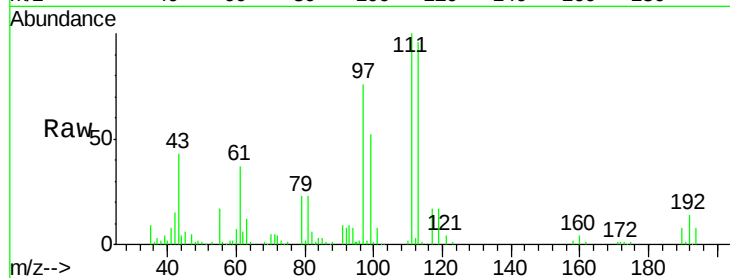




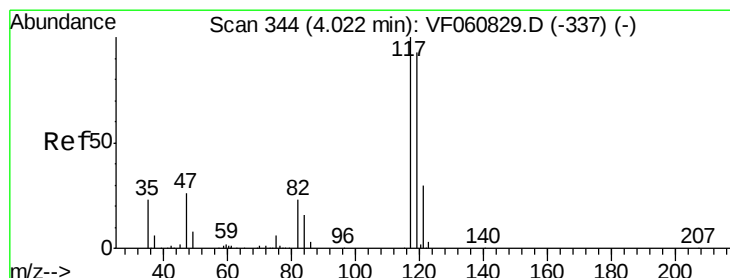
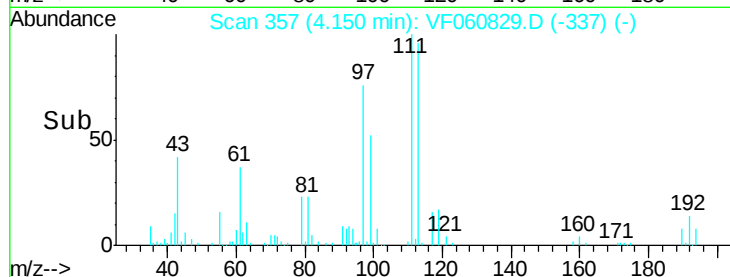
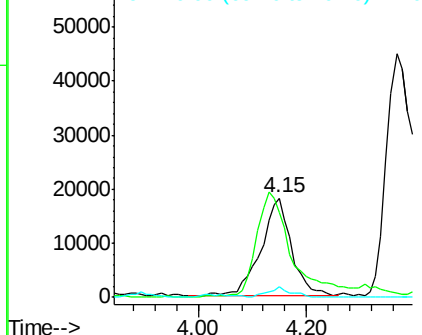
#37
 Ethyl Acetate
 Concen: 52.780 ug/l
 RT: 4.15 min Scan# 357
 Delta R.T. 0.00 min
 Lab File: VF060829.D
 Acq: 26 Nov 2018 18:30

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tgt Ion: 43 Resp: 69980
 Ion Ratio Lower Upper
 43 100
 61 85.8 68.6 103.0
 70 11.2 9.0 13.4

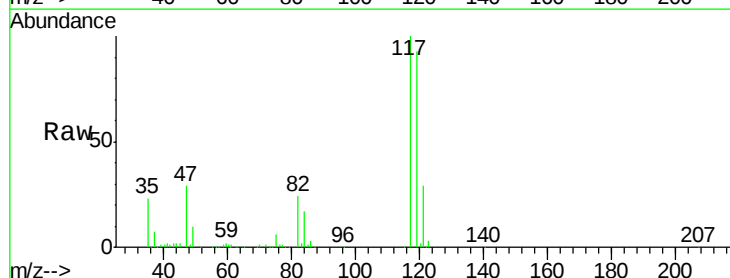


Abundance Ion 43.00 (42.70 to 43.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 70.00 (69.70 to 70.70): VF0

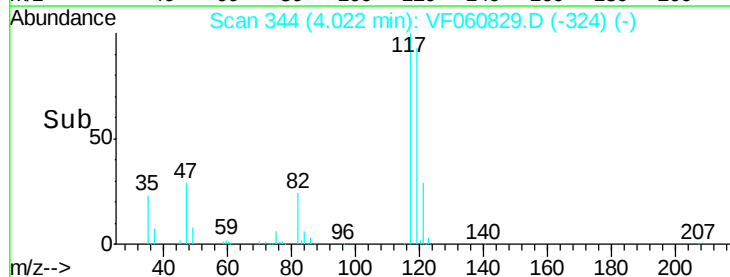
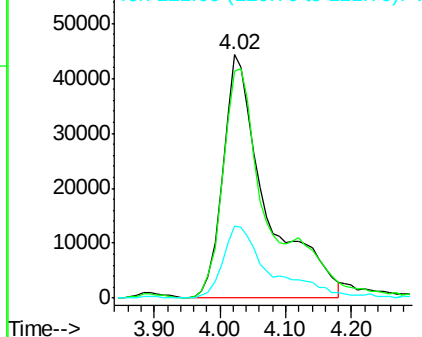


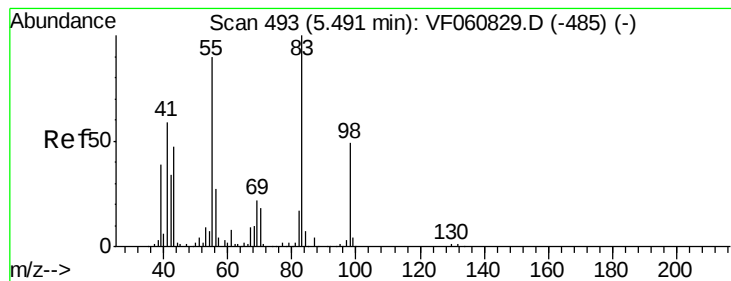
#38
 Carbon Tetrachloride
 Concen: 58.926 ug/l
 RT: 4.02 min Scan# 344
 Delta R.T. 0.00 min
 Lab File: VF060829.D
 Acq: 26 Nov 2018 18:30

Tgt Ion: 117 Resp: 201369
 Ion Ratio Lower Upper
 117 100
 119 93.0 74.4 111.6
 121 29.4 23.5 35.3



Abundance Ion 117.00 (116.70 to 117.70): V
 Ion 119.00 (118.70 to 119.70): V
 Ion 121.00 (120.70 to 121.70): V





#39

Methylcyclohexane

Concen: 45.916 ug/l

RT: 5.49 min Scan# 493

Delta R.T. 0.00 min

Lab File: VF060829.D

Acq: 26 Nov 2018 18:30

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

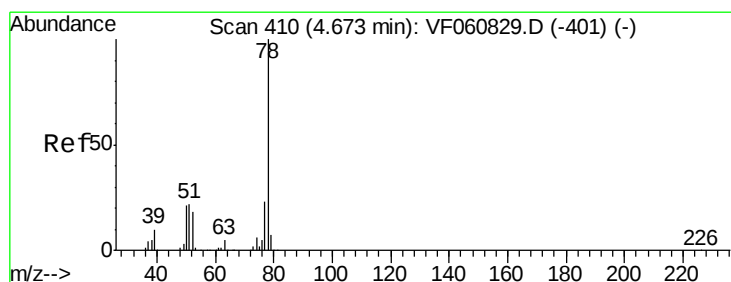
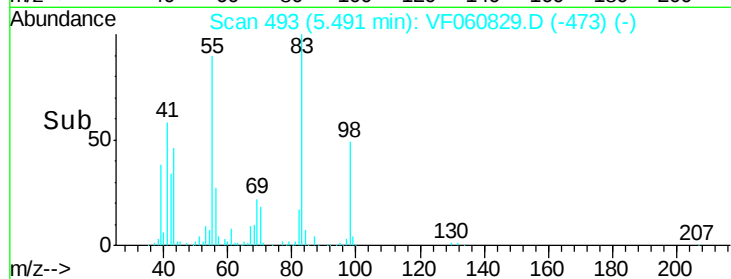
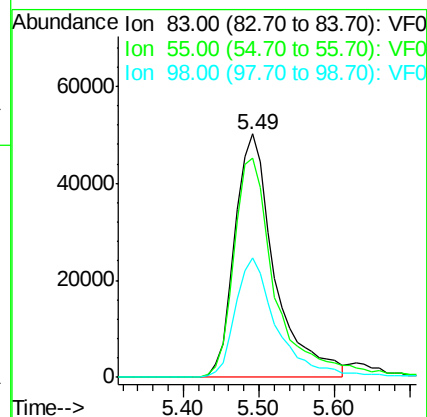
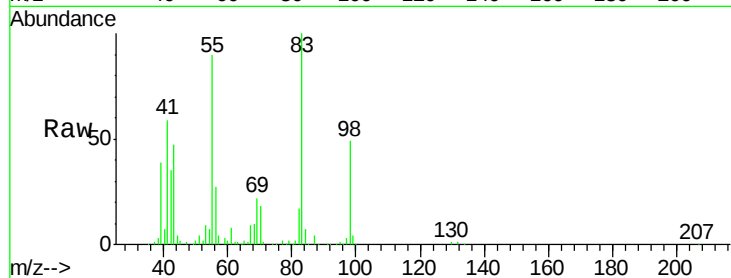
Tgt Ion: 83 Resp: 183915

Ion Ratio Lower Upper

83 100

55 90.1 72.1 108.1

98 48.9 39.1 58.7



#40

Benzene

Concen: 48.523 ug/l

RT: 4.67 min Scan# 410

Delta R.T. 0.00 min

Lab File: VF060829.D

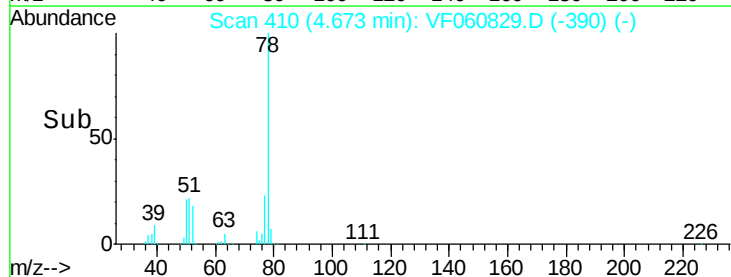
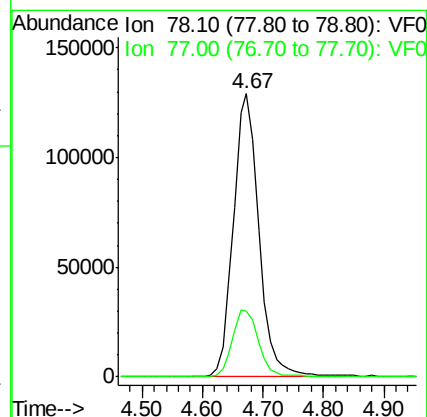
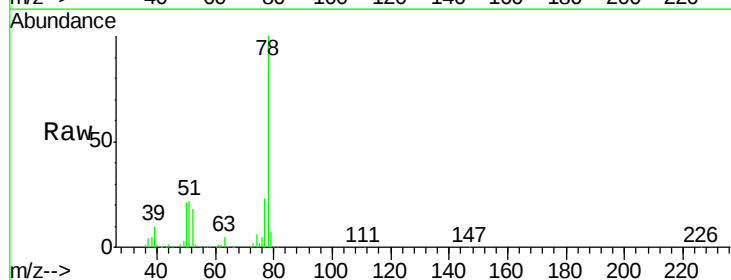
Acq: 26 Nov 2018 18:30

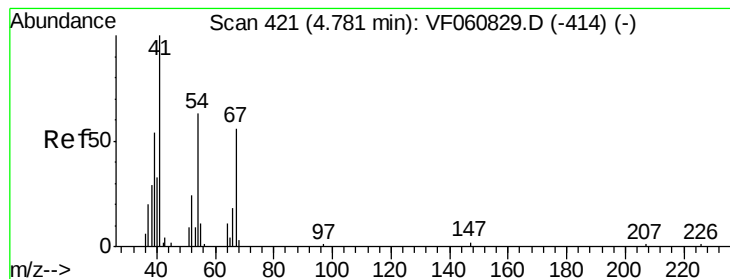
Tgt Ion: 78 Resp: 379089

Ion Ratio Lower Upper

78 100

77 23.4 18.7 28.1





#41

Methacrylonitrile

Concen: 46.848 ug/l

RT: 4.78 min Scan# 421

Delta R.T. 0.00 min

Lab File: VF060829.D

Acq: 26 Nov 2018 18:30

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tgt Ion: 41 Resp: 37196

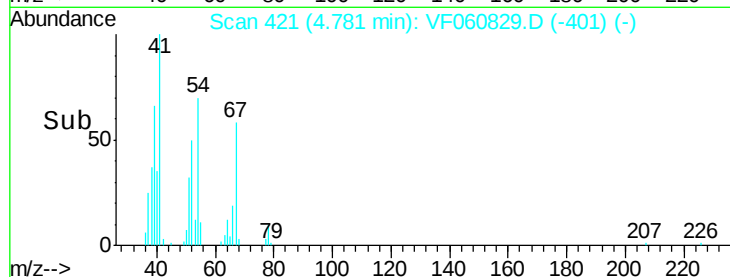
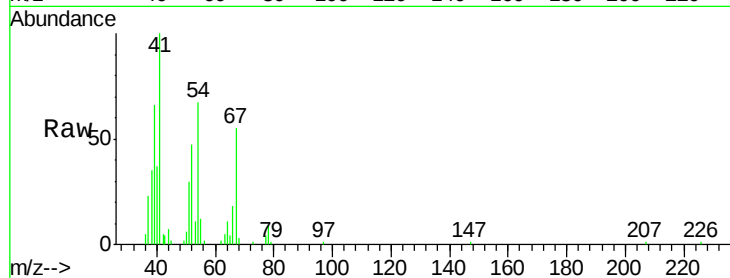
Ion Ratio Lower Upper

41 100

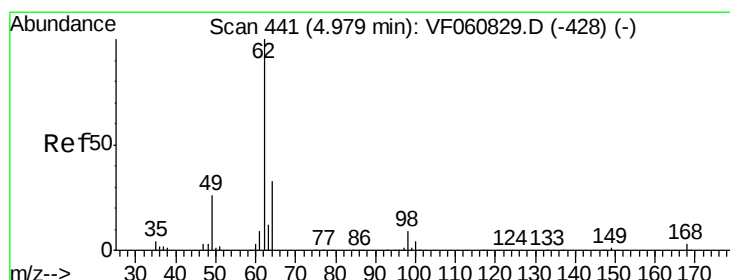
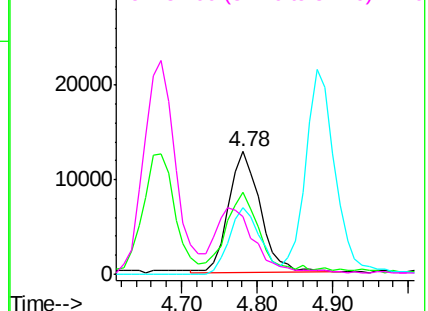
39 66.3 53.0 79.6

67 54.7 43.8 65.6

52 47.3 37.8 56.8



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



#42

1,2-Dichloroethane

Concen: 53.994 ug/l

RT: 4.98 min Scan# 441

Delta R.T. 0.00 min

Lab File: VF060829.D

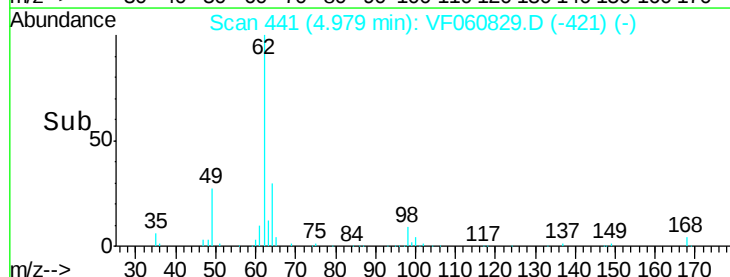
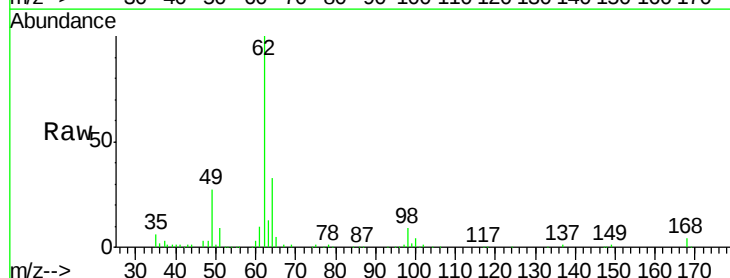
Acq: 26 Nov 2018 18:30

Tgt Ion: 62 Resp: 148749

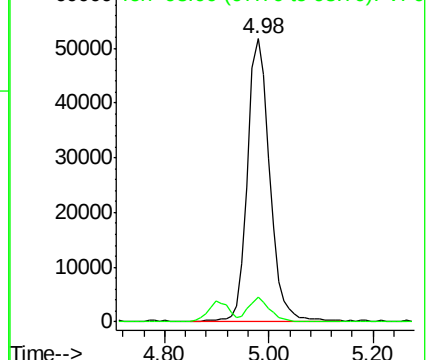
Ion Ratio Lower Upper

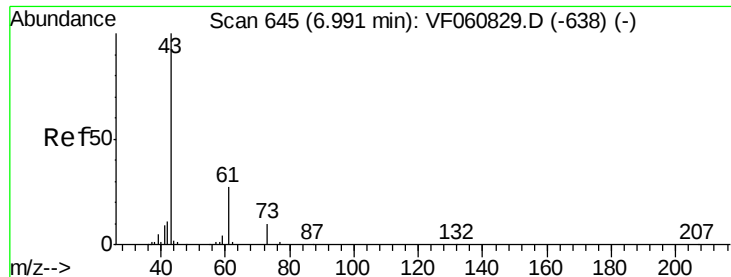
62 100

98 8.6 0.0 17.2



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





#43

Isopropyl Acetate

Concen: 52.175 ug/l

RT: 6.99 min Scan# 645

Delta R.T. 0.00 min

Lab File: VF060829.D

Acq: 26 Nov 2018 18:30

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

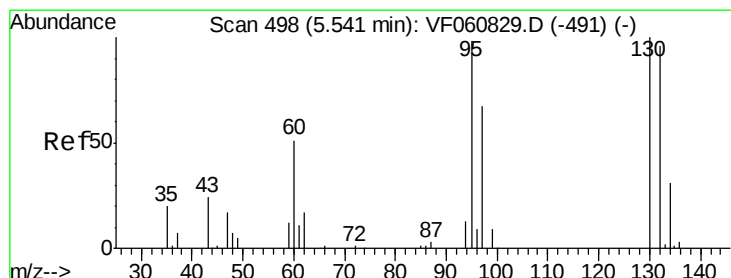
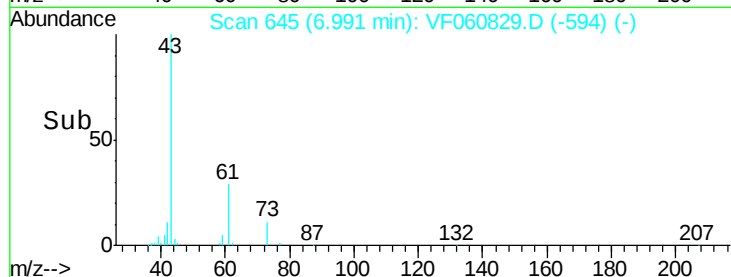
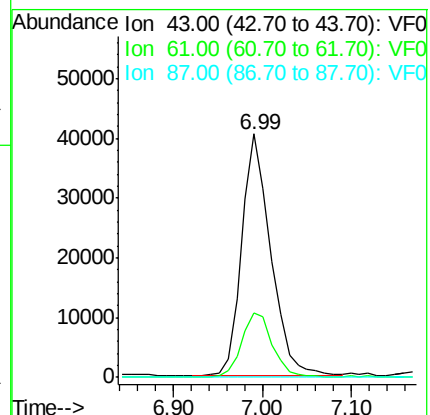
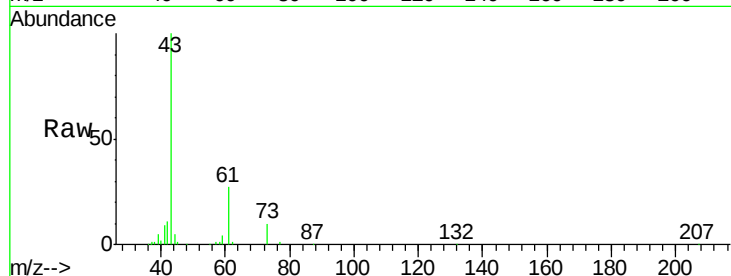
Tgt Ion: 43 Resp: 92293

Ion Ratio Lower Upper

43 100

61 26.7 21.4 32.0

87 0.3 0.2 0.4



#44

Trichloroethene

Concen: 49.443 ug/l

RT: 5.54 min Scan# 498

Delta R.T. 0.00 min

Lab File: VF060829.D

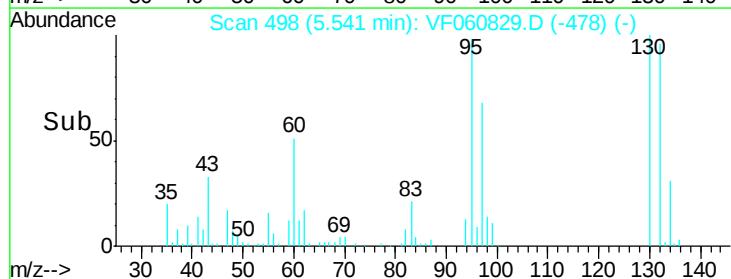
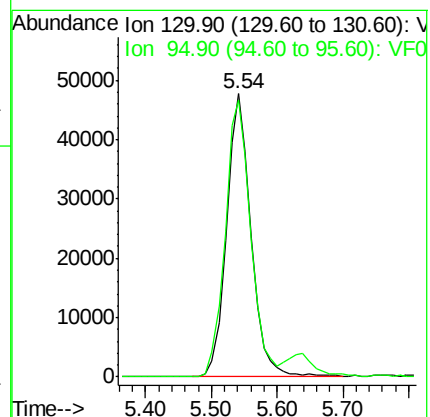
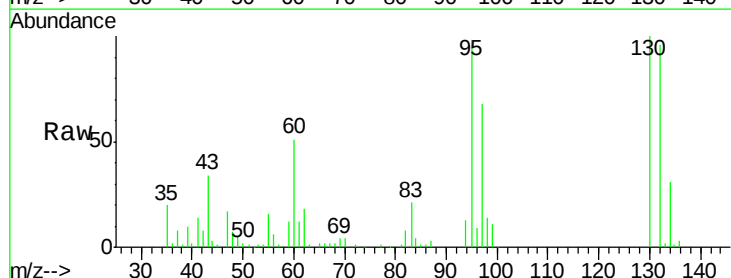
Acq: 26 Nov 2018 18:30

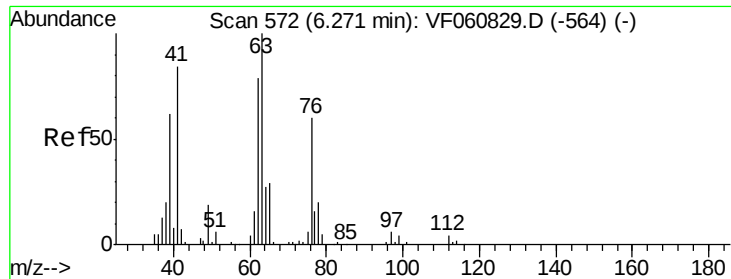
Tgt Ion: 130 Resp: 123332

Ion Ratio Lower Upper

130 100

95 97.8 0.0 195.6





#45

1,2-Dichloropropane

Concen: 51.136 ug/l

RT: 6.27 min Scan# 572

Delta R.T. 0.00 min

Lab File: VF060829.D

Acq: 26 Nov 2018 18:30

Instrument :

MSVOA_F

ClientSampleId :

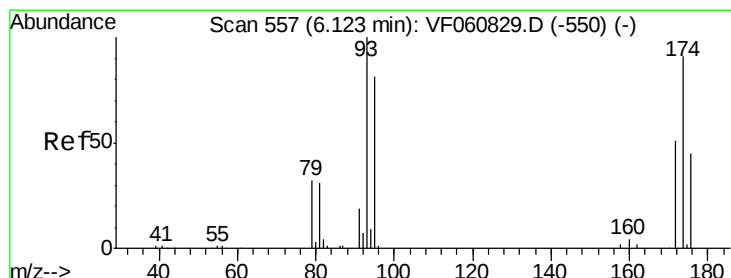
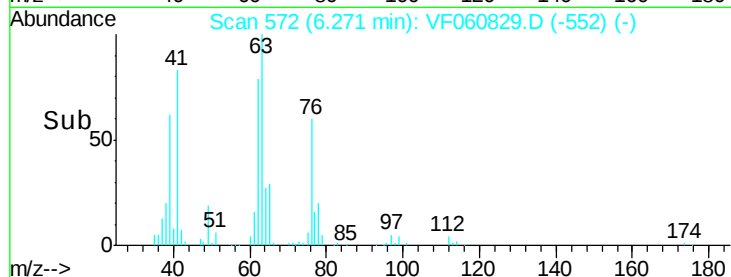
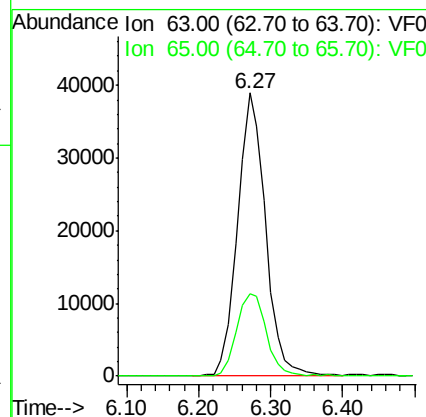
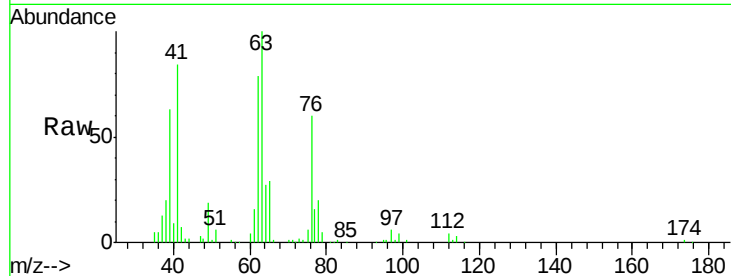
VSTDICCC050

Tgt Ion: 63 Resp: 105816

Ion Ratio Lower Upper

63 100

65 29.0 23.2 34.8



#46

Dibromomethane

Concen: 52.054 ug/l

RT: 6.12 min Scan# 557

Delta R.T. 0.00 min

Lab File: VF060829.D

Acq: 26 Nov 2018 18:30

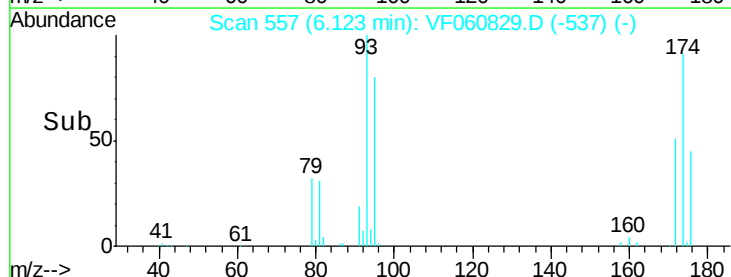
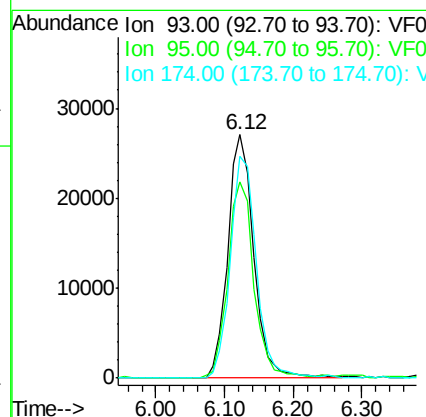
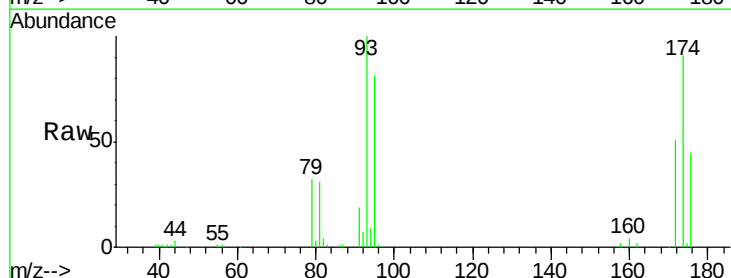
Tgt Ion: 93 Resp: 70584

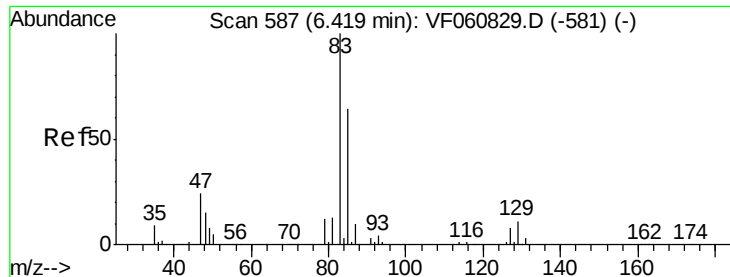
Ion Ratio Lower Upper

93 100

95 80.9 64.7 97.1

174 91.3 73.0 109.6





#47

Bromodichloromethane

Concen: 53.999 ug/l

RT: 6.42 min Scan# 587

Delta R.T. 0.00 min

Lab File: VF060829.D

Acq: 26 Nov 2018 18:30

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

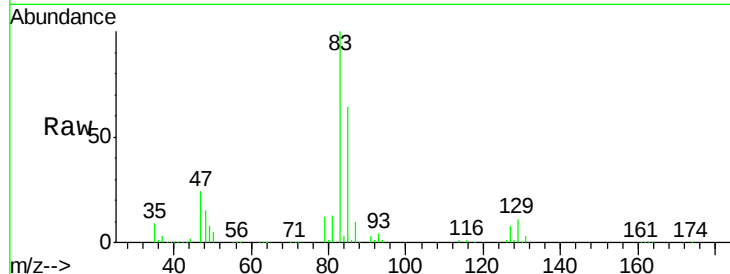
Tgt Ion: 83 Resp: 186678

Ion Ratio Lower Upper

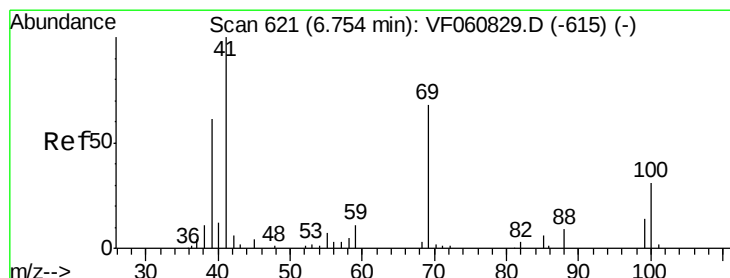
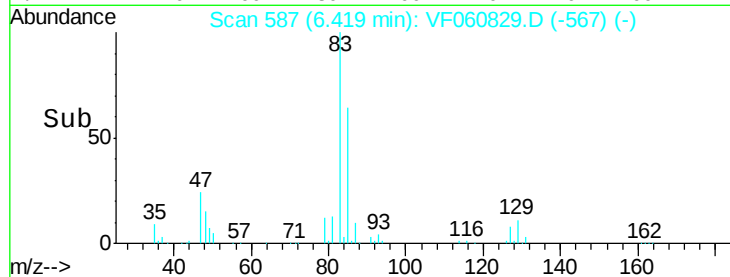
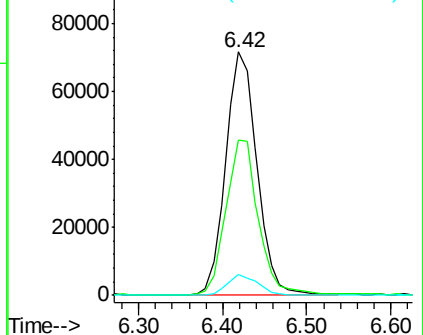
83 100

85 63.9 51.1 76.7

127 8.5 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: 54.984 ug/l

RT: 6.75 min Scan# 621

Delta R.T. 0.00 min

Lab File: VF060829.D

Acq: 26 Nov 2018 18:30

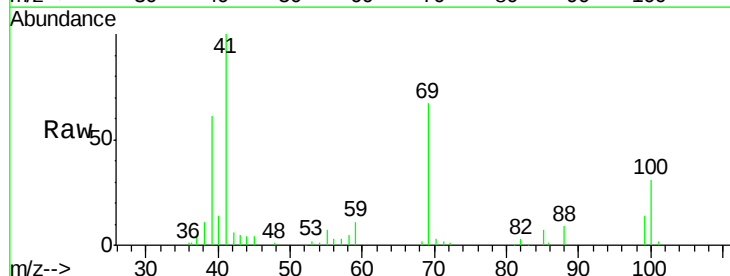
Tgt Ion: 41 Resp: 65075

Ion Ratio Lower Upper

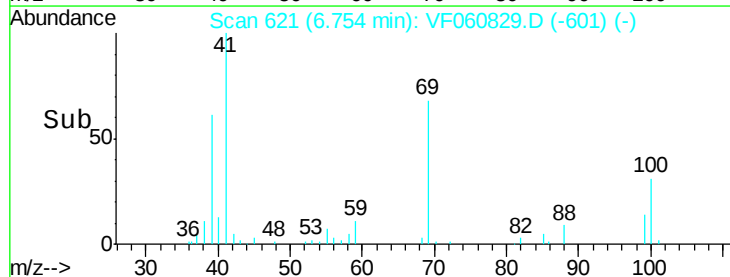
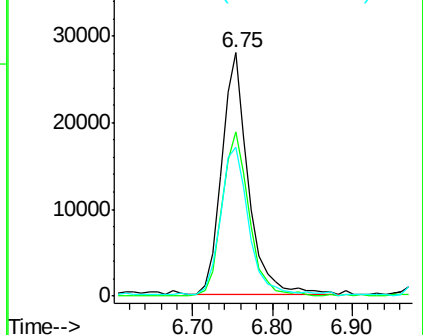
41 100

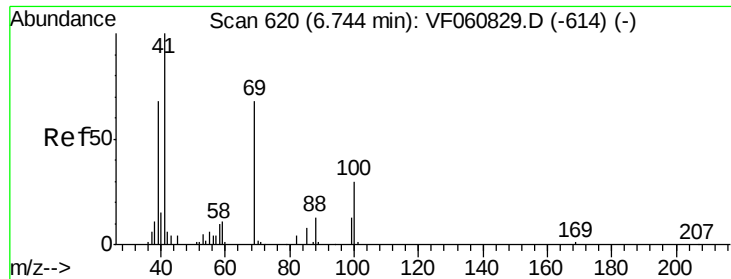
69 67.4 53.9 80.9

39 61.3 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

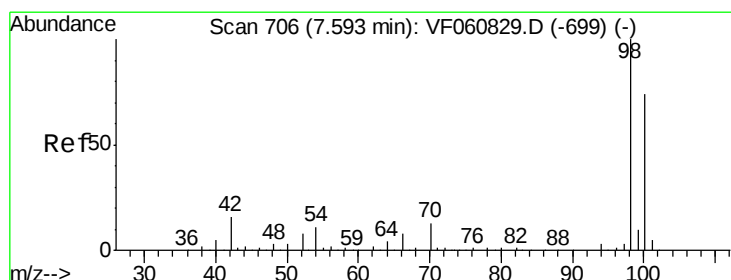
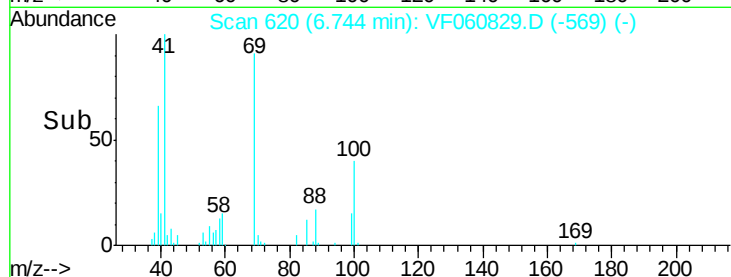
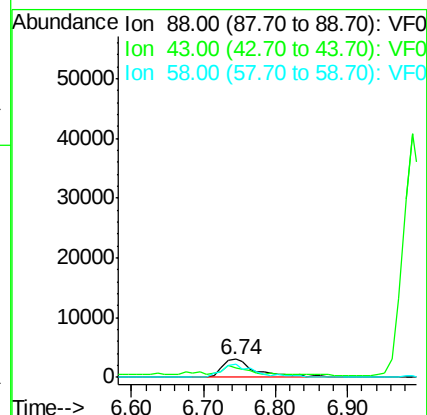
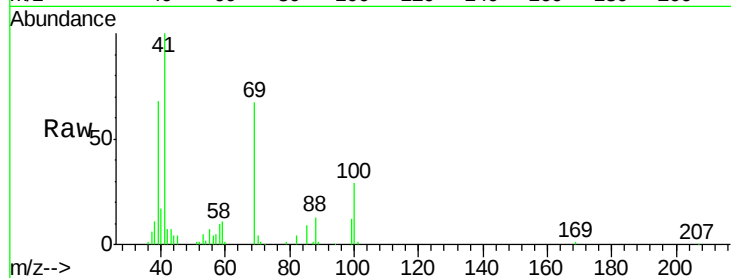




#49
1,4-Dioxane
Concen: 963.644 ug/l
RT: 6.74 min Scan# 620
Delta R.T. 0.00 min
Lab File: VF060829.D
Acq: 26 Nov 2018 18:30

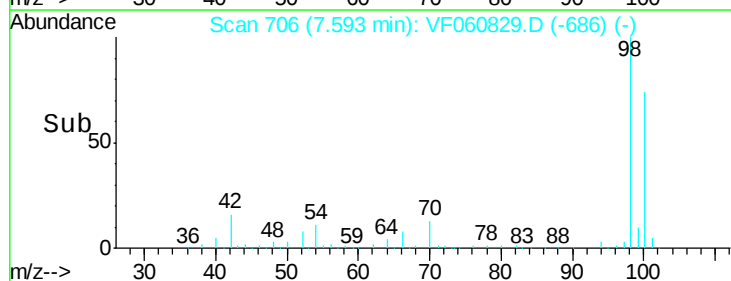
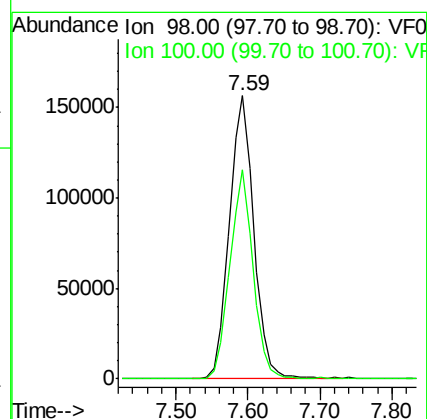
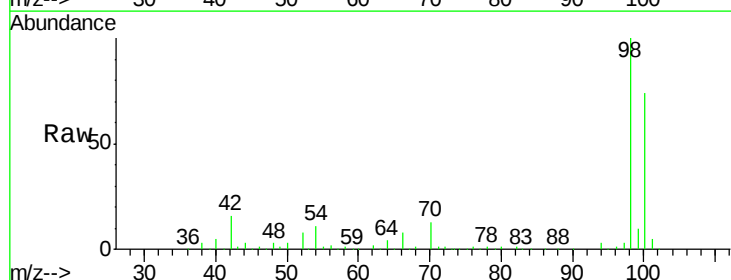
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

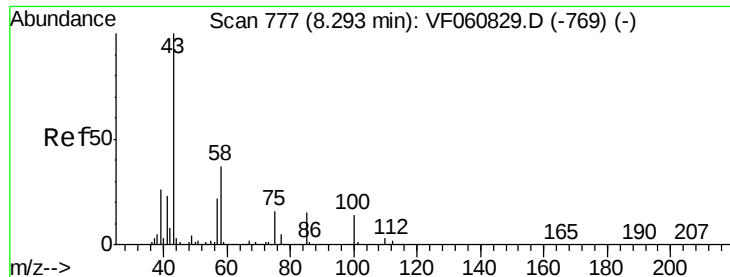
Tgt Ion: 88 Resp: 10408
Ion Ratio Lower Upper
88 100
43 52.5 42.0 63.0
58 77.3 61.8 92.8



#50
Toluene-d8
Concen: 53.658 ug/l
RT: 7.59 min Scan# 706
Delta R.T. 0.00 min
Lab File: VF060829.D
Acq: 26 Nov 2018 18:30

Tgt Ion: 98 Resp: 369318
Ion Ratio Lower Upper
98 100
100 74.1 59.3 88.9





#51

4-Methyl-2-Pentanone

Concen: 249.066 ug/l

RT: 8.29 min Scan# 777

Delta R.T. 0.00 min

Lab File: VF060829.D

Acq: 26 Nov 2018 18:30

Instrument :

MSVOA_F

ClientSampleId :

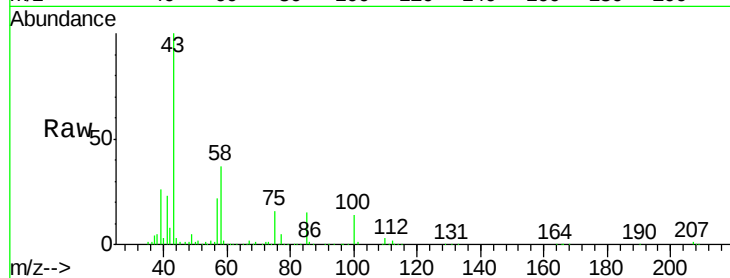
VSTDICCC050

Tgt Ion: 43 Resp: 315321

Ion Ratio Lower Upper

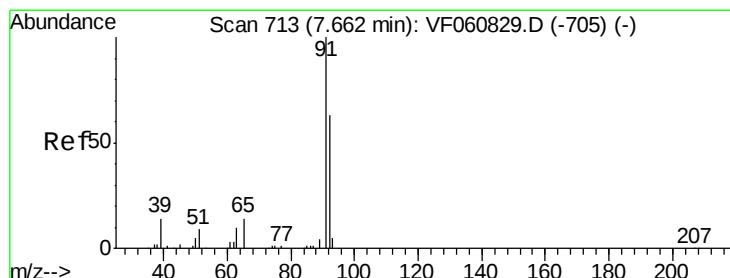
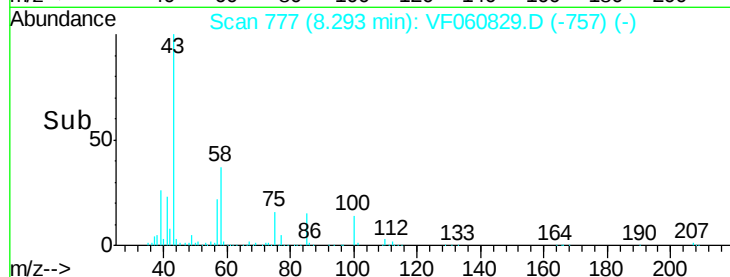
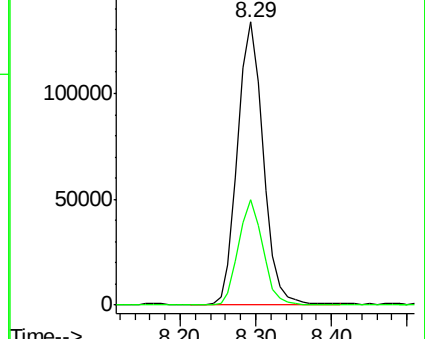
43 100

58 37.1 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: 47.750 ug/l

RT: 7.66 min Scan# 713

Delta R.T. 0.00 min

Lab File: VF060829.D

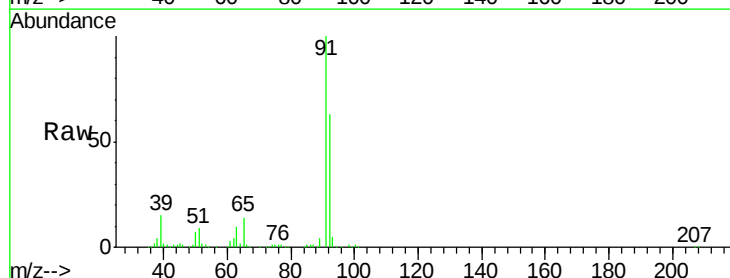
Acq: 26 Nov 2018 18:30

Tgt Ion: 92 Resp: 250419

Ion Ratio Lower Upper

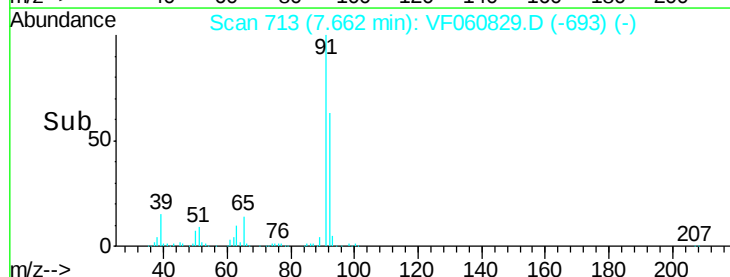
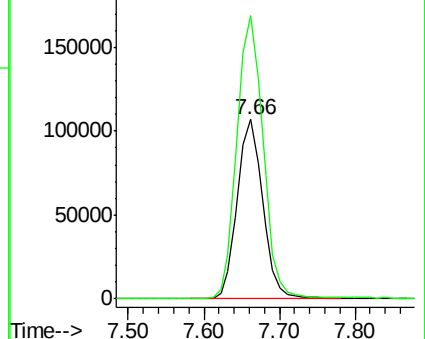
92 100

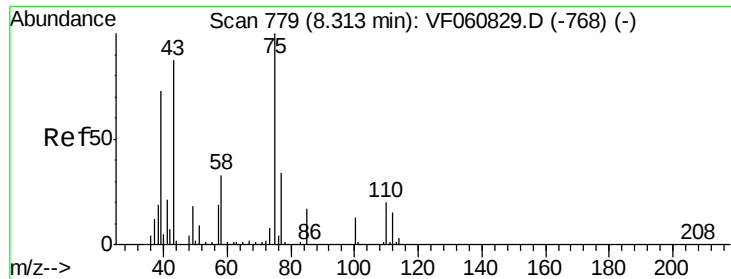
91 157.7 126.2 189.2



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

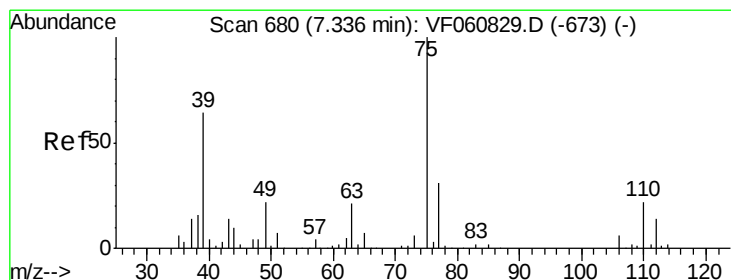
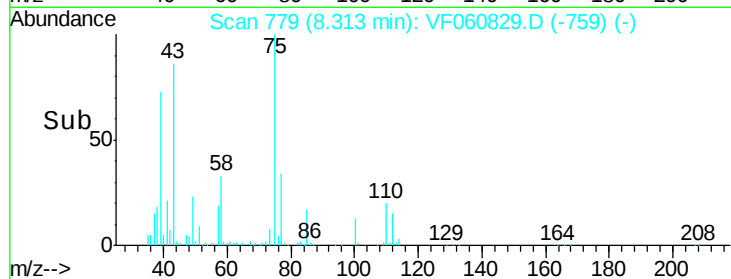
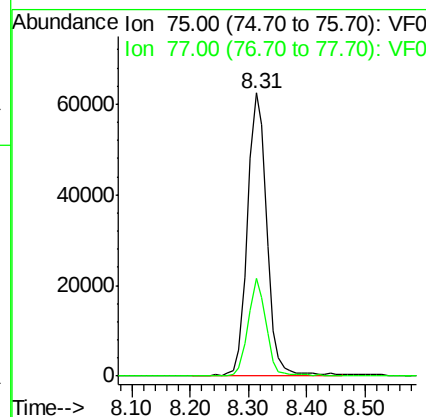
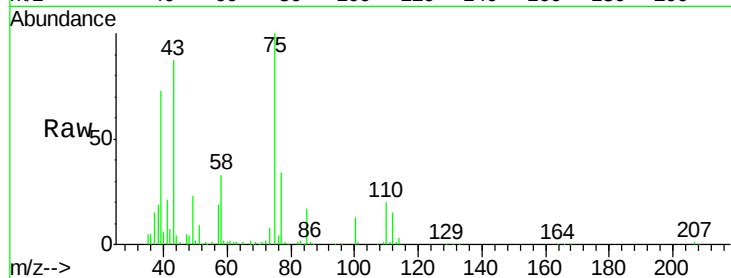




#53
t-1,3-Dichloropropene
Concen: 52.202 ug/l
RT: 8.31 min Scan# 779
Delta R.T. 0.00 min
Lab File: VF060829.D
Acq: 26 Nov 2018 18:30

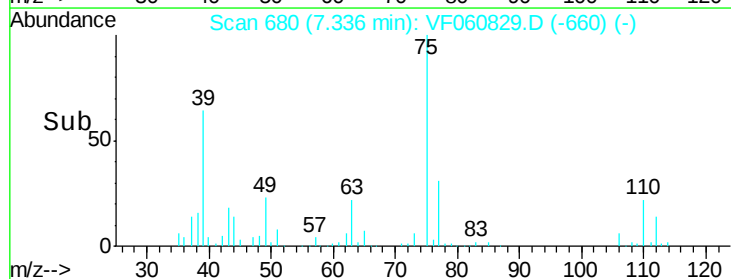
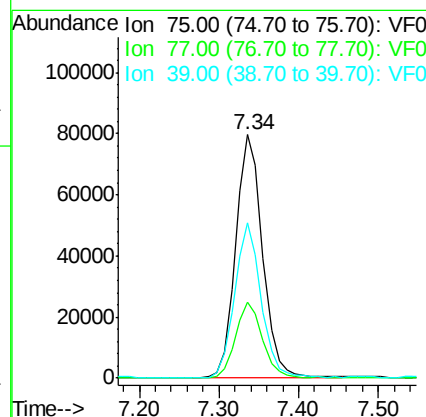
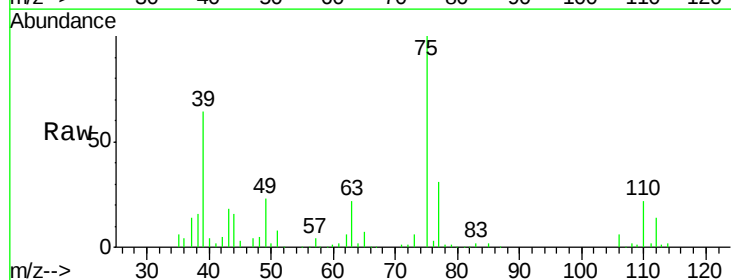
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

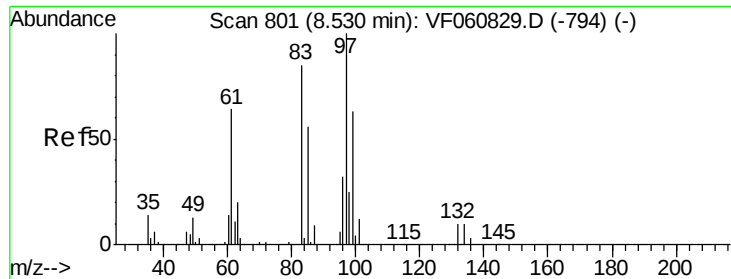
Tgt Ion: 75 Resp: 146320
Ion Ratio Lower Upper
75 100
77 34.3 27.4 41.2



#54
cis-1,3-Dichloropropene
Concen: 51.487 ug/l
RT: 7.34 min Scan# 680
Delta R.T. 0.00 min
Lab File: VF060829.D
Acq: 26 Nov 2018 18:30

Tgt Ion: 75 Resp: 188671
Ion Ratio Lower Upper
75 100
77 31.3 25.0 37.6
39 63.9 51.1 76.7





#55

1,1,2-Trichloroethane

Concen: 52.063 ug/l

RT: 8.53 min Scan# 801

Delta R.T. 0.00 min

Lab File: VF060829.D

Acq: 26 Nov 2018 18:30

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tgt Ion: 97 Resp: 78740

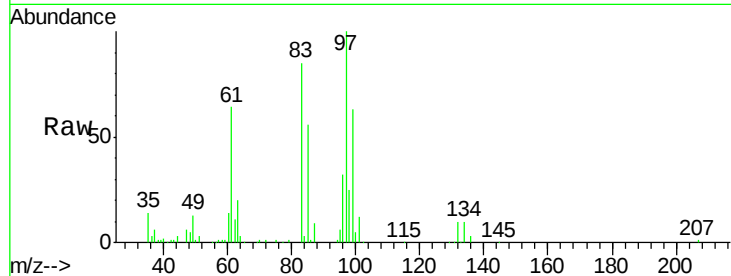
Ion Ratio Lower Upper

97 100

83 84.7 67.8 101.6

85 56.3 45.0 67.6

99 63.1 50.5 75.7

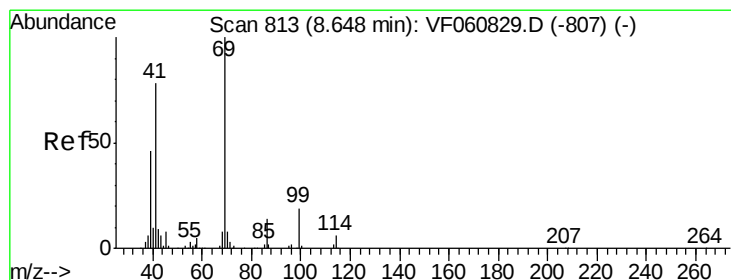
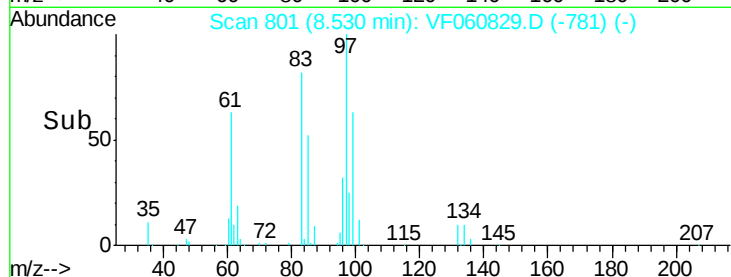
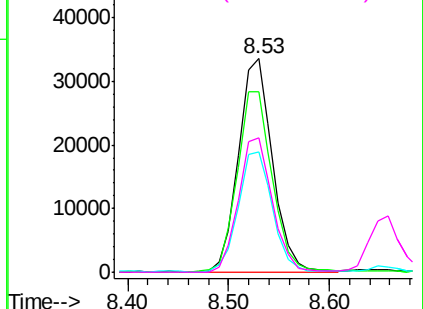


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 54.209 ug/l

RT: 8.65 min Scan# 813

Delta R.T. 0.00 min

Lab File: VF060829.D

Acq: 26 Nov 2018 18:30

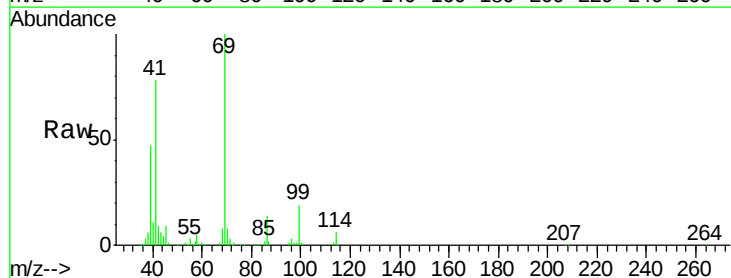
Tgt Ion: 69 Resp: 94135

Ion Ratio Lower Upper

69 100

41 78.3 62.6 94.0

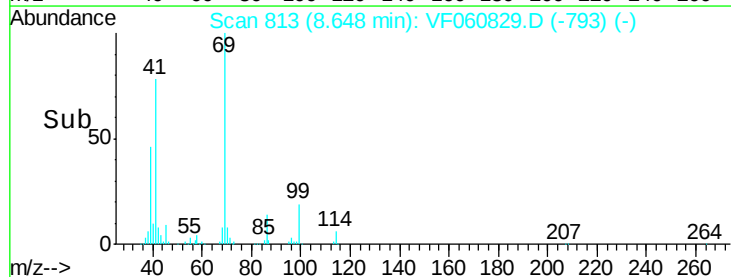
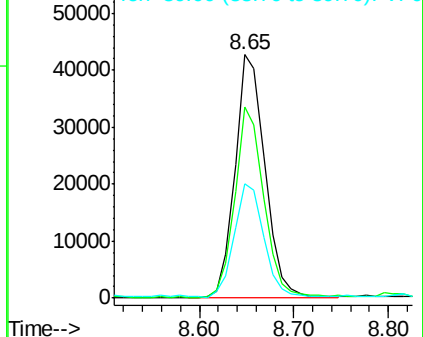
39 47.2 37.8 56.6

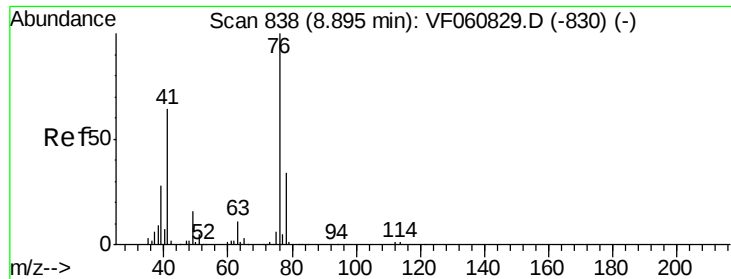


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 53.755 ug/l

RT: 8.89 min Scan# 838

Delta R.T. 0.00 min

Lab File: VF060829.D

Acq: 26 Nov 2018 18:30

Instrument :

MSVOA_F

ClientSampleId :

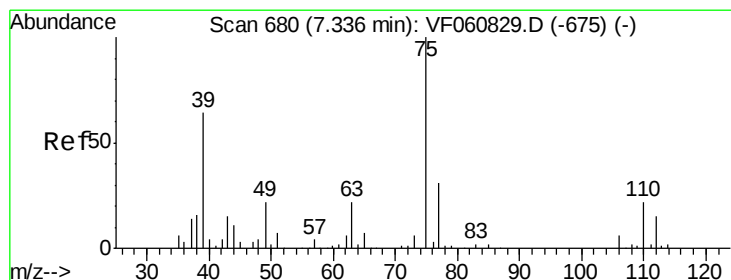
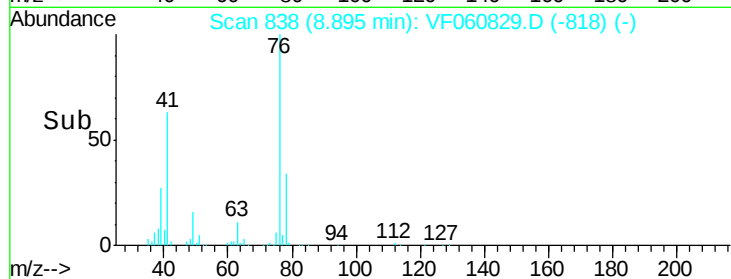
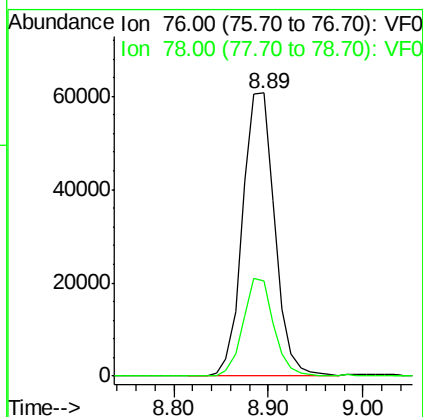
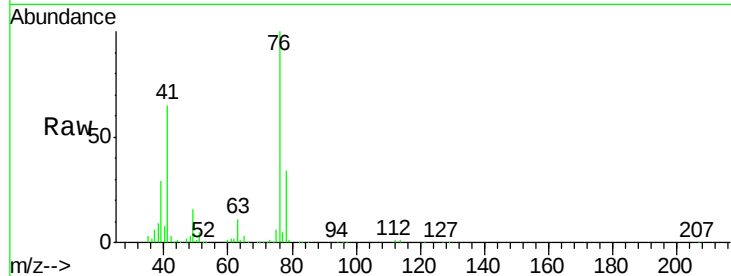
VSTDICCC050

Tgt Ion: 76 Resp: 143359

Ion Ratio Lower Upper

76 100

78 33.7 27.0 40.4



#58

2-Chloroethyl Vinyl ether

Concen: 272.951 ug/l

RT: 7.34 min Scan# 680

Delta R.T. 0.00 min

Lab File: VF060829.D

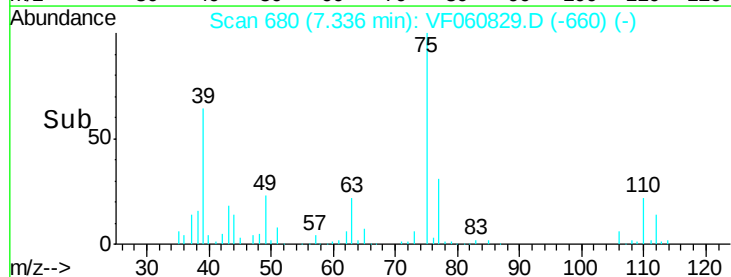
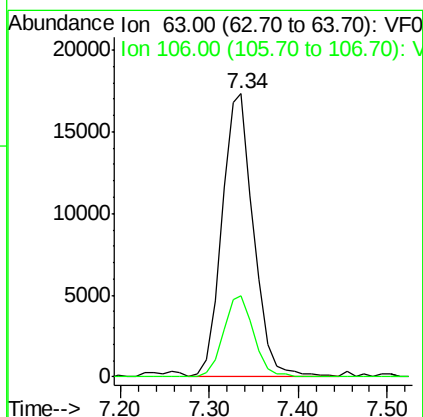
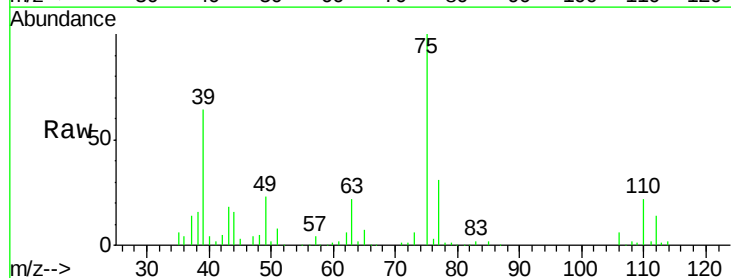
Acq: 26 Nov 2018 18:30

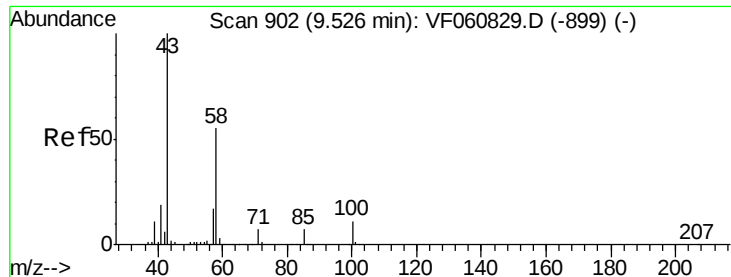
Tgt Ion: 63 Resp: 43074

Ion Ratio Lower Upper

63 100

106 28.8 23.0 34.6

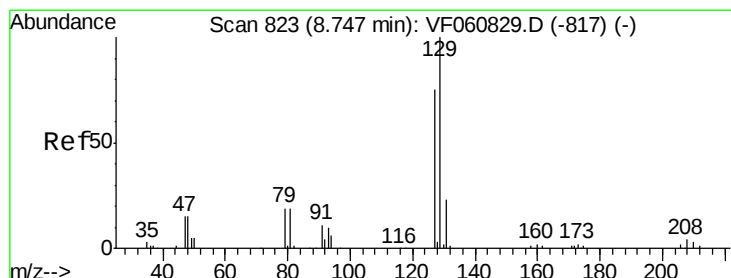
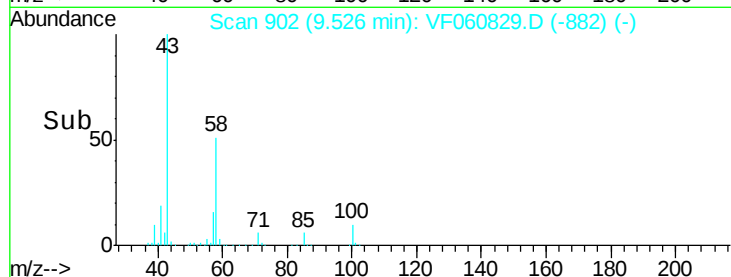
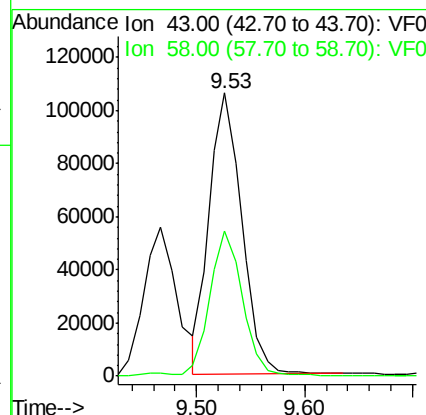
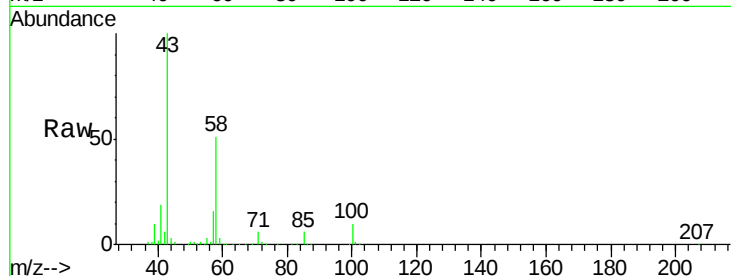




#59
2-Hexanone
Concen: 247.869 ug/l
RT: 9.53 min Scan# 902
Delta R.T. 0.00 min
Lab File: VF060829.D
Acq: 26 Nov 2018 18:30

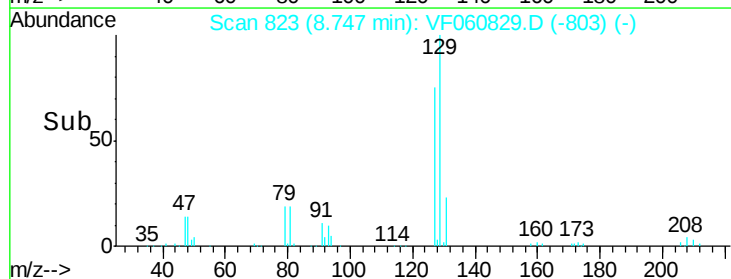
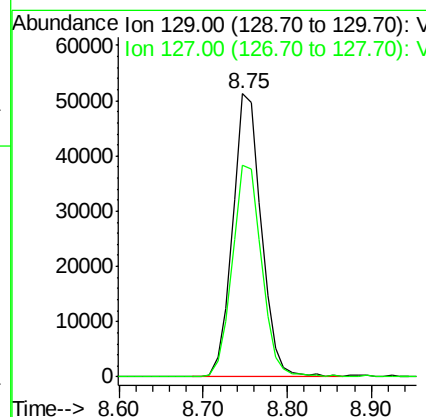
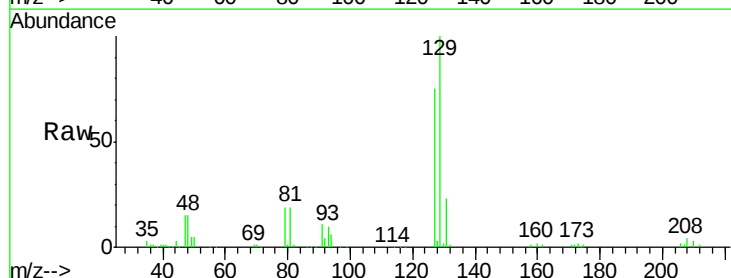
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

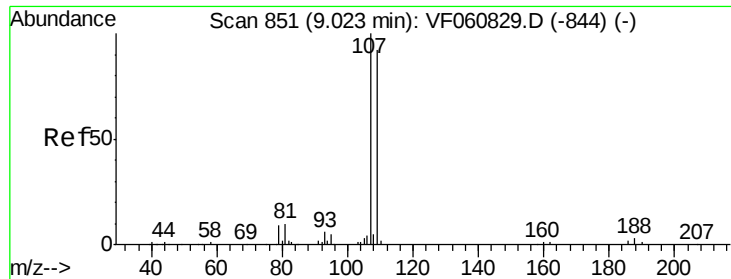
Tgt Ion: 43 Resp: 221686
Ion Ratio Lower Upper
43 100
58 51.1 25.6 76.6



#60
Dibromochloromethane
Concen: 55.539 ug/l
RT: 8.75 min Scan# 823
Delta R.T. 0.00 min
Lab File: VF060829.D
Acq: 26 Nov 2018 18:30

Tgt Ion: 129 Resp: 121455
Ion Ratio Lower Upper
129 100
127 74.6 37.3 111.9





#61

1,2-Dibromoethane

Concen: 53.903 ug/l

RT: 9.02 min Scan# 851

Delta R.T. 0.00 min

Lab File: VF060829.D

Acq: 26 Nov 2018 18:30

Instrument :

MSVOA_F

ClientSampleId :

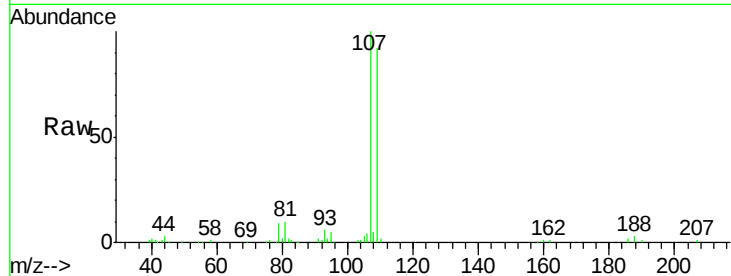
VSTDICCC050

Tgt Ion: 107 Resp: 86037

Ion Ratio Lower Upper

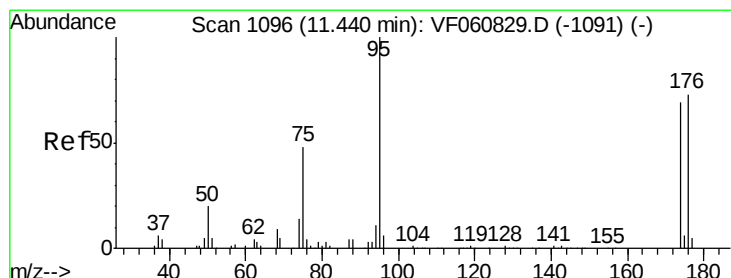
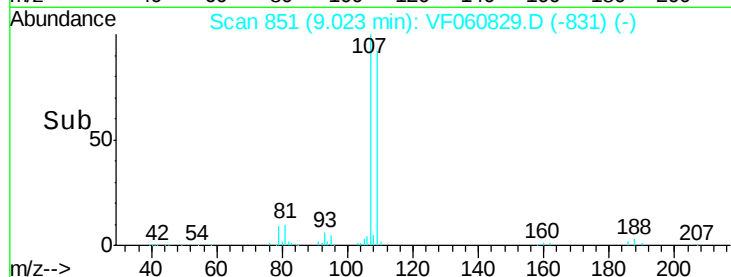
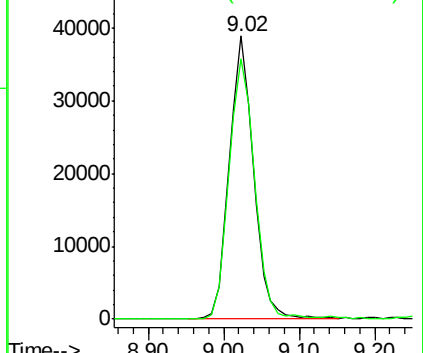
107 100

109 92.0 73.6 110.4



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 52.462 ug/l

RT: 11.44 min Scan# 1096

Delta R.T. 0.00 min

Lab File: VF060829.D

Acq: 26 Nov 2018 18:30

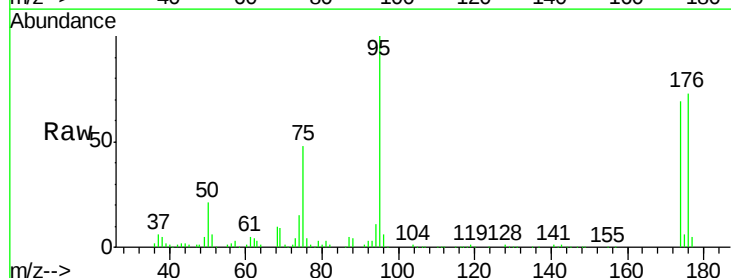
Tgt Ion: 95 Resp: 167220

Ion Ratio Lower Upper

95 100

174 69.1 0.0 138.2

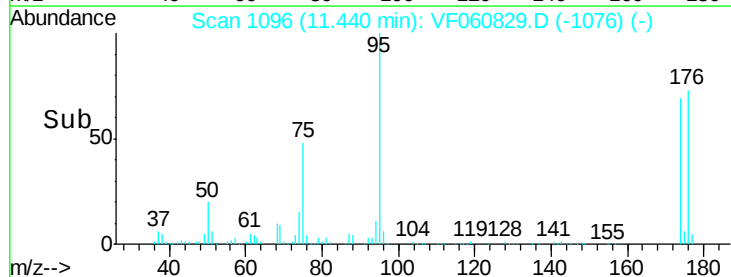
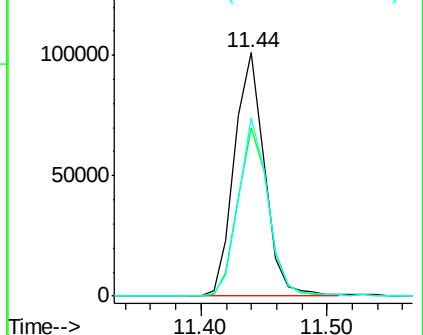
176 73.1 0.0 146.2

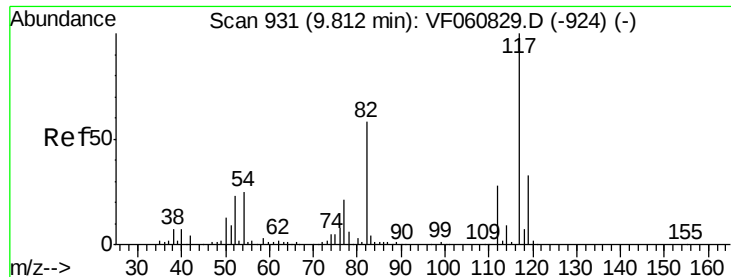


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

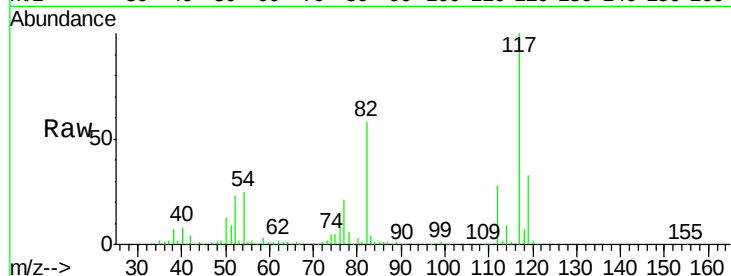




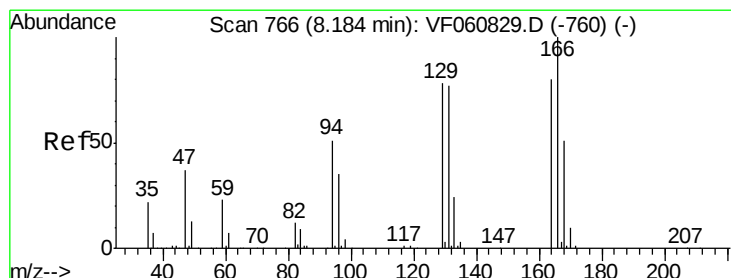
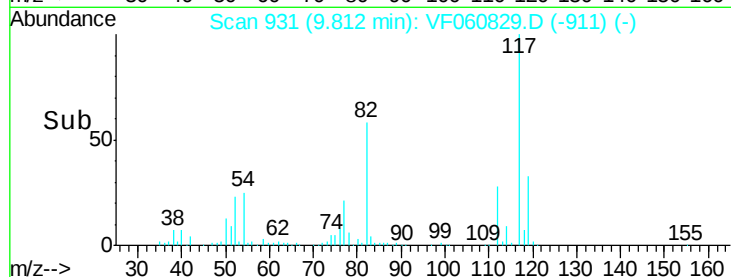
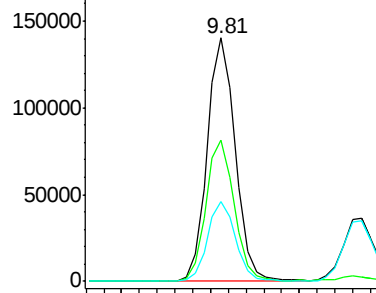
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.81 min Scan# 931
Delta R.T. 0.00 min
Lab File: VF060829.D
Acq: 26 Nov 2018 18:30

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tgt Ion:117 Resp: 309444
Ion Ratio Lower Upper
117 100
82 58.2 46.6 69.8
119 33.0 26.4 39.6

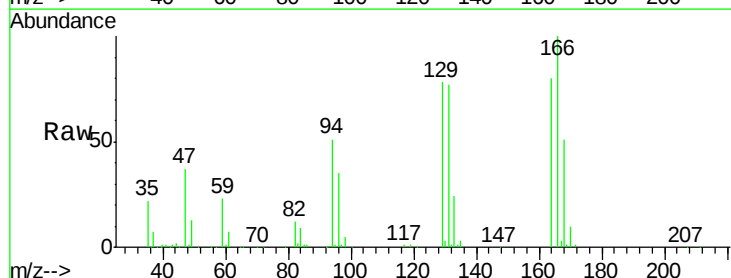


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

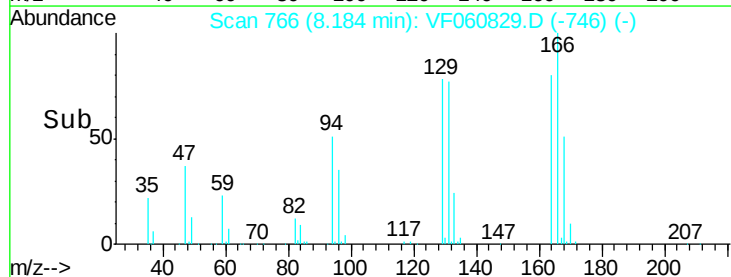
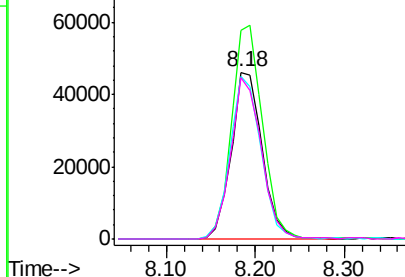


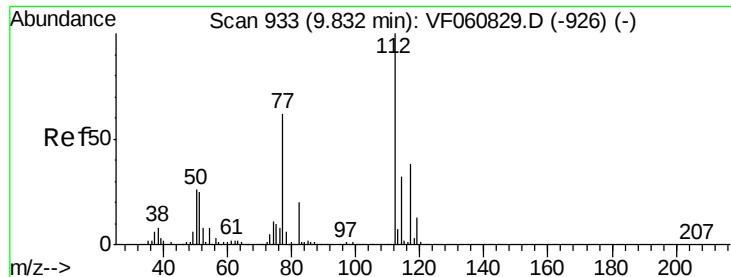
#64
Tetrachloroethene
Concen: 47.182 ug/l
RT: 8.18 min Scan# 766
Delta R.T. 0.00 min
Lab File: VF060829.D
Acq: 26 Nov 2018 18:30

Tgt Ion:164 Resp: 112138
Ion Ratio Lower Upper
164 100
166 125.4 100.3 150.5
129 97.4 77.9 116.9
131 96.9 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

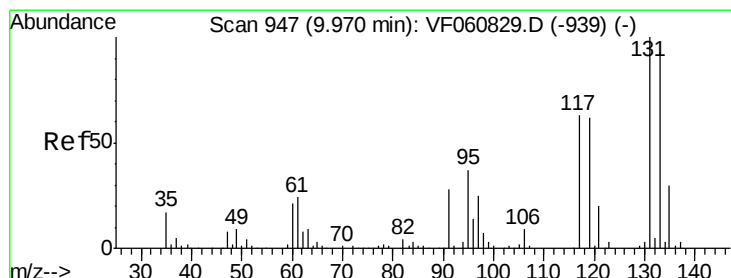
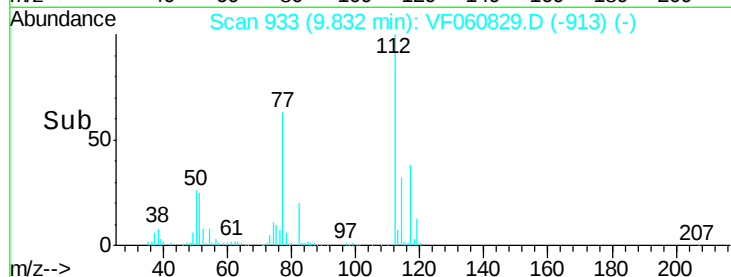
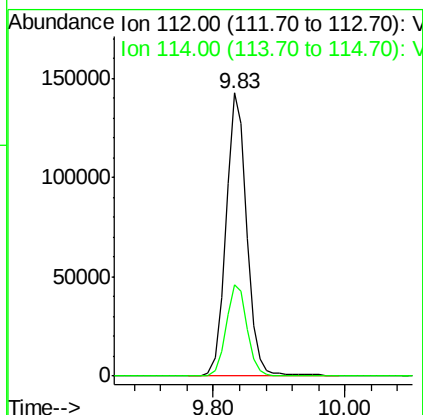
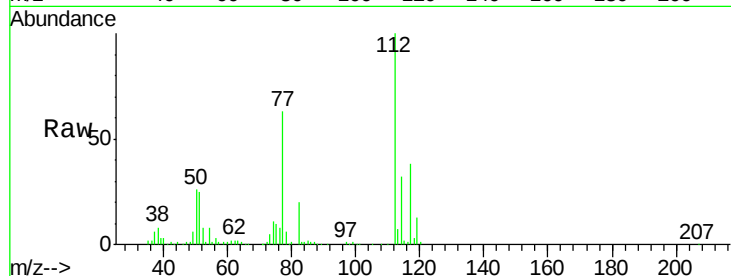




#65
Chlorobenzene
Concen: 50.897 ug/l
RT: 9.83 min Scan# 933
Delta R.T. 0.00 min
Lab File: VF060829.D
Acq: 26 Nov 2018 18:30

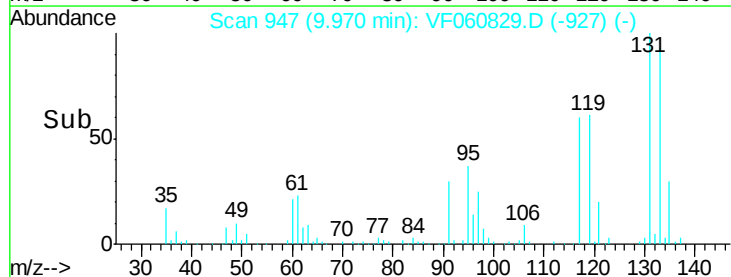
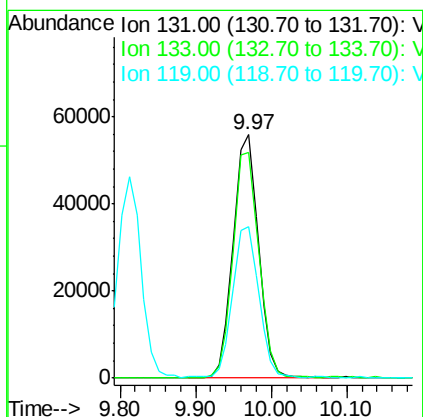
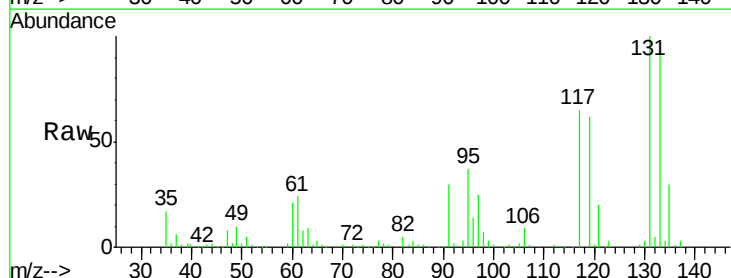
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

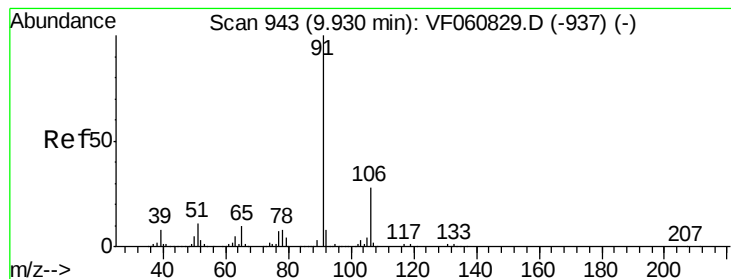
Tgt Ion:112 Resp: 316011
Ion Ratio Lower Upper
112 100
114 32.5 26.0 39.0



#66
1,1,1,2-Tetrachloroethane
Concen: 48.654 ug/l
RT: 9.97 min Scan# 947
Delta R.T. 0.00 min
Lab File: VF060829.D
Acq: 26 Nov 2018 18:30

Tgt Ion:131 Resp: 129354
Ion Ratio Lower Upper
131 100
133 92.9 46.5 139.3
119 62.2 31.1 93.3





#67

Ethyl Benzene

Concen: 48.819 ug/l

RT: 9.93 min Scan# 943

Delta R.T. 0.00 min

Lab File: VF060829.D

Acq: 26 Nov 2018 18:30

Instrument :

MSVOA_F

ClientSampleId :

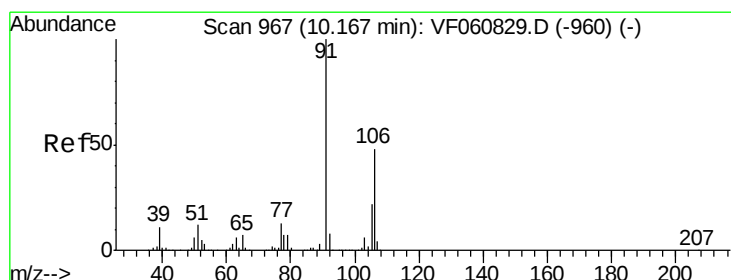
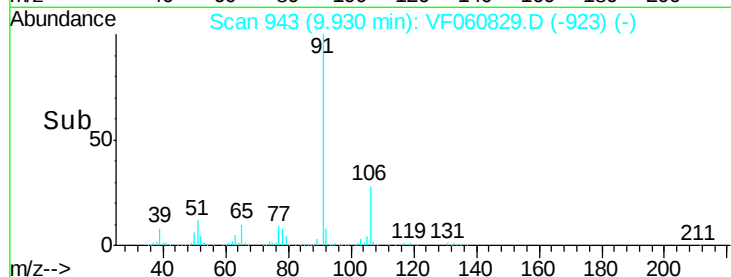
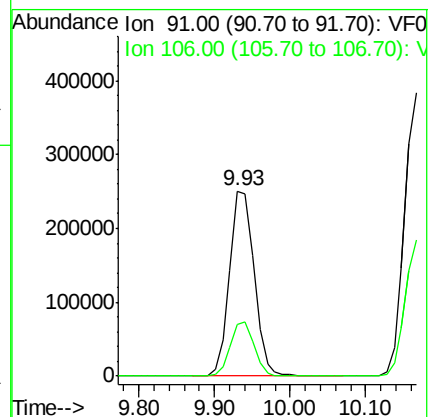
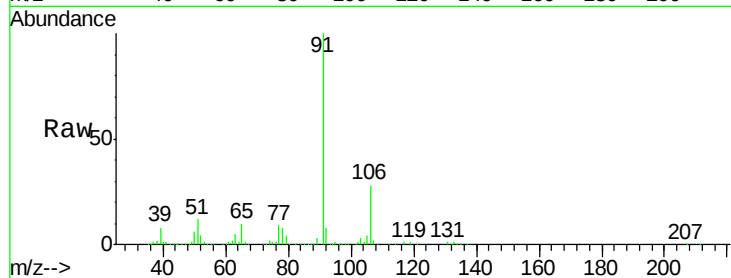
VSTDICCC050

Tgt Ion: 91 Resp: 567693

Ion Ratio Lower Upper

91 100

106 27.7 22.2 33.2



#68

m/p-Xylenes

Concen: 94.124 ug/l

RT: 10.17 min Scan# 967

Delta R.T. 0.00 min

Lab File: VF060829.D

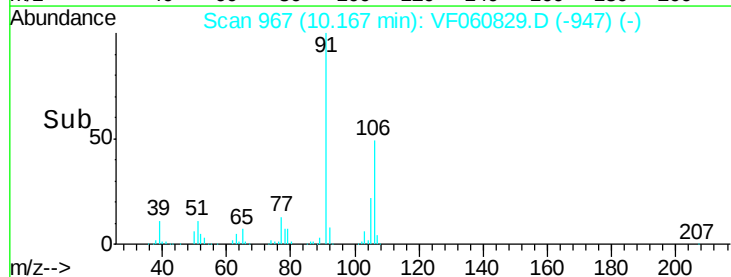
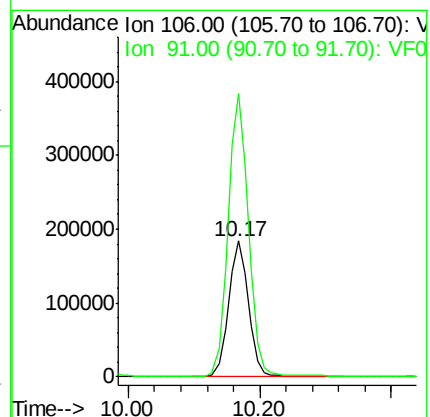
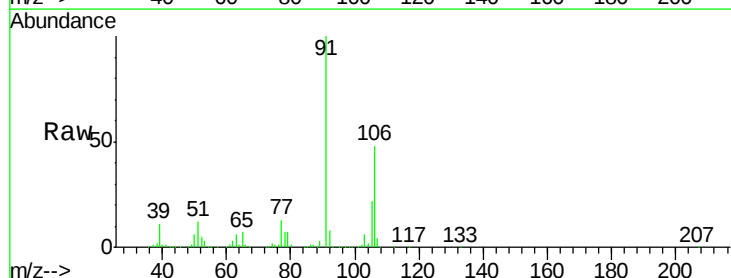
Acq: 26 Nov 2018 18:30

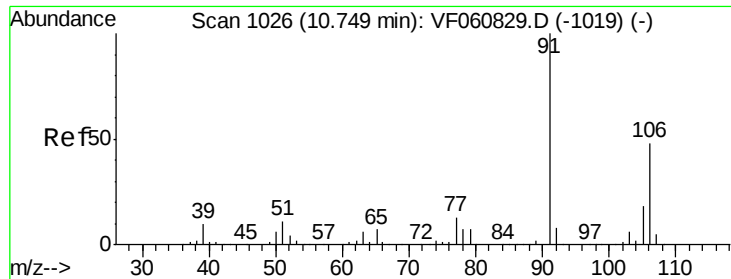
Tgt Ion: 106 Resp: 389777

Ion Ratio Lower Upper

106 100

91 208.4 166.7 250.1

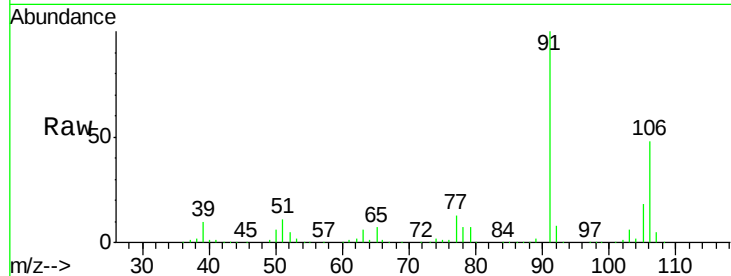




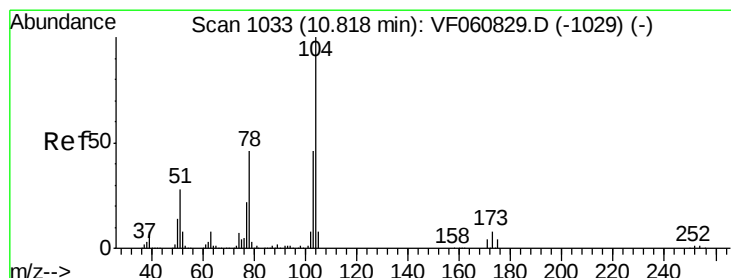
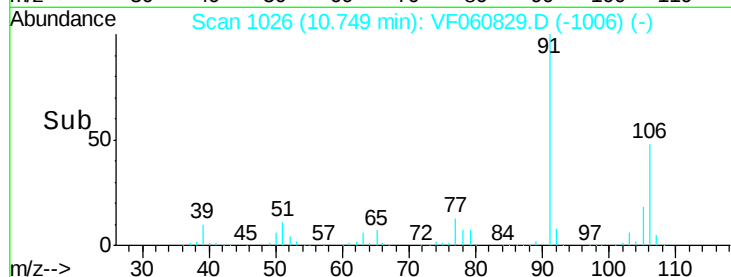
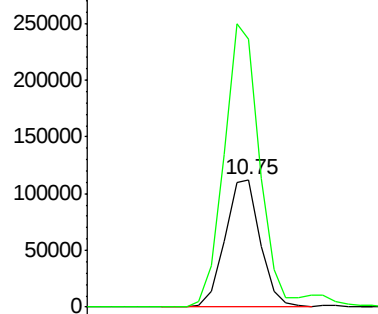
#69
o-Xylene
Concen: 47.285 ug/l
RT: 10.75 min Scan# 1026
Delta R.T. 0.00 min
Lab File: VF060829.D
Acq: 26 Nov 2018 18:30

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tgt Ion:106 Resp: 219316
Ion Ratio Lower Upper
106 100
91 209.7 104.8 314.6

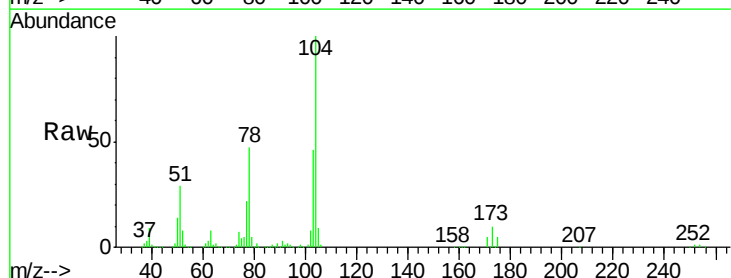


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VF0

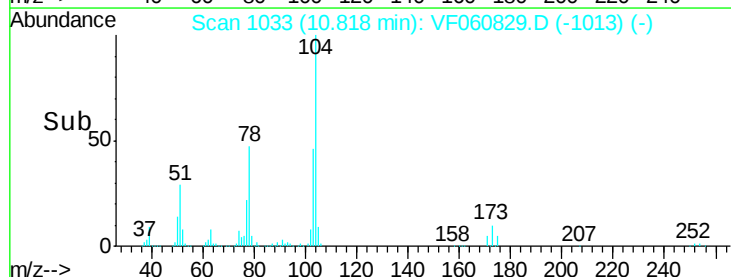
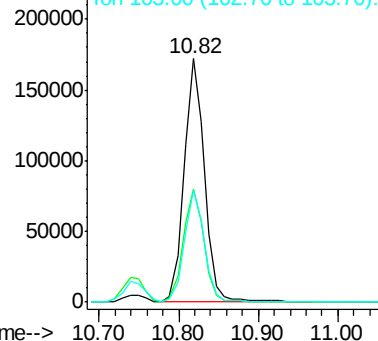


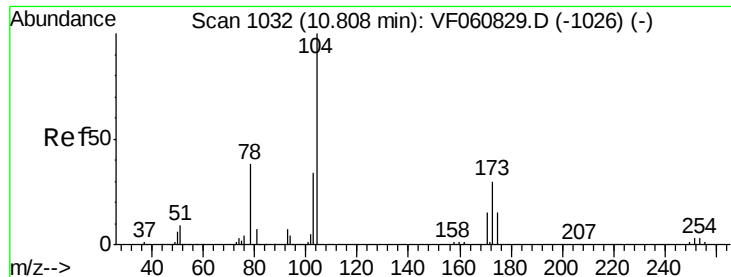
#70
Styrene
Concen: 48.393 ug/l
RT: 10.82 min Scan# 1033
Delta R.T. 0.00 min
Lab File: VF060829.D
Acq: 26 Nov 2018 18:30

Tgt Ion:104 Resp: 306450
Ion Ratio Lower Upper
104 100
78 46.6 37.3 55.9
103 46.0 36.8 55.2



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VF0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 52.317 ug/l

RT: 10.81 min Scan# 1032

Delta R.T. 0.00 min

Lab File: VF060829.D

Acq: 26 Nov 2018 18:30

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

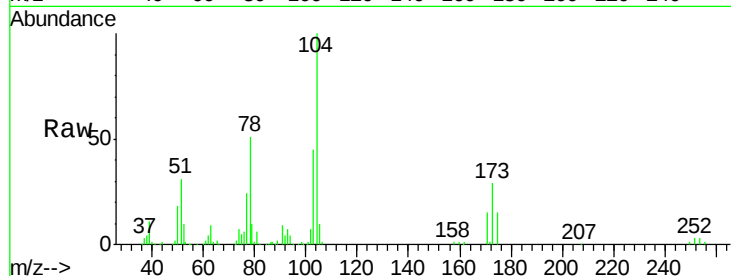
Tgt Ion:173 Resp: 63197

Ion Ratio Lower Upper

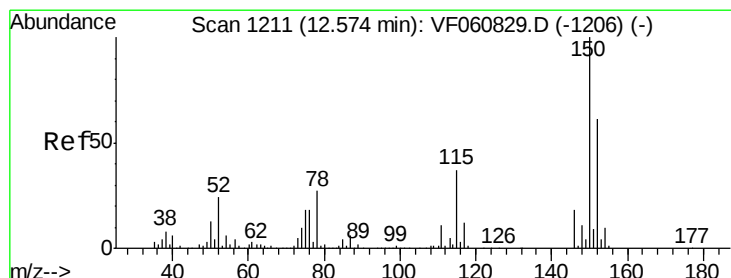
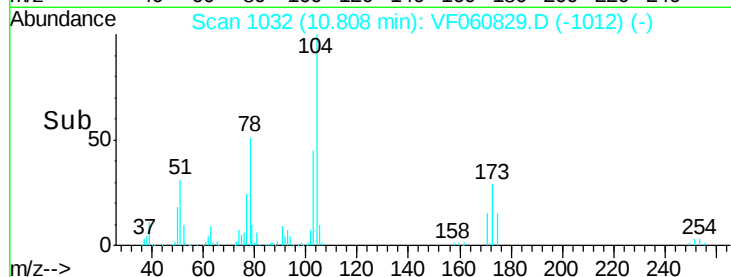
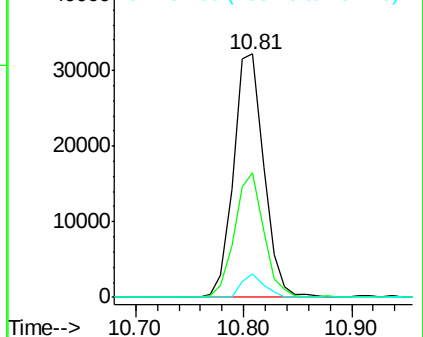
173 100

175 51.0 25.5 76.5

254 9.4 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: 12.57 min Scan# 1211

Delta R.T. 0.00 min

Lab File: VF060829.D

Acq: 26 Nov 2018 18:30

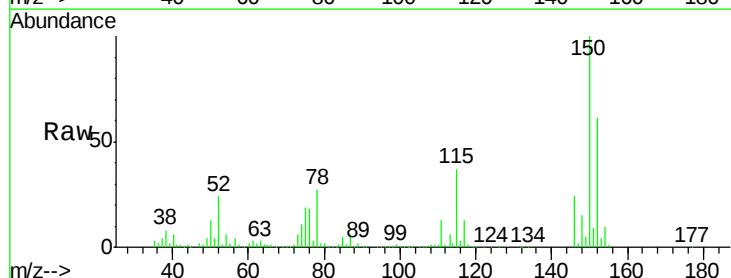
Tgt Ion:152 Resp: 152856

Ion Ratio Lower Upper

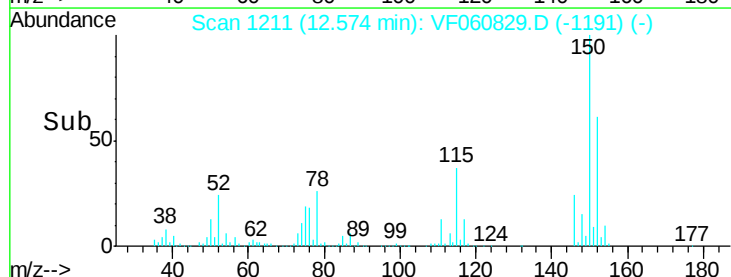
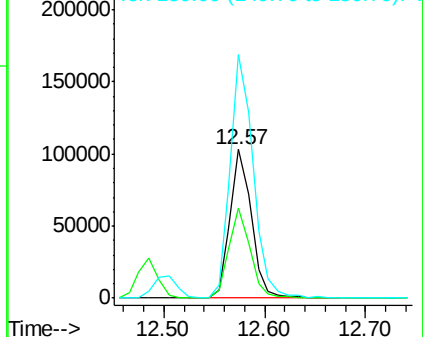
152 100

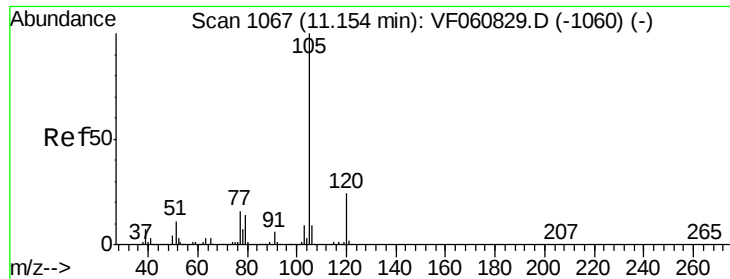
115 60.3 30.1 90.5

150 163.8 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: 51.119 ug/l

RT: 11.15 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VF060829.D

Acq: 26 Nov 2018 18:30

Instrument :

MSVOA_F

ClientSampleId :

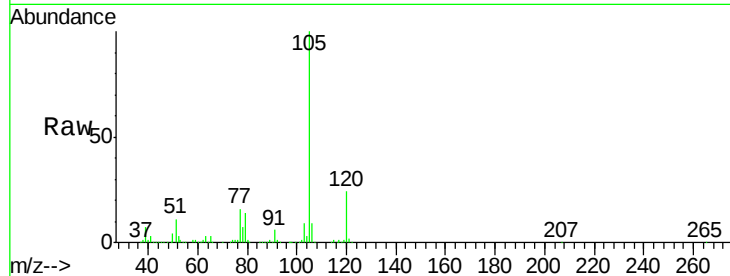
VSTDICCC050

Tgt Ion:105 Resp: 626168

Ion Ratio Lower Upper

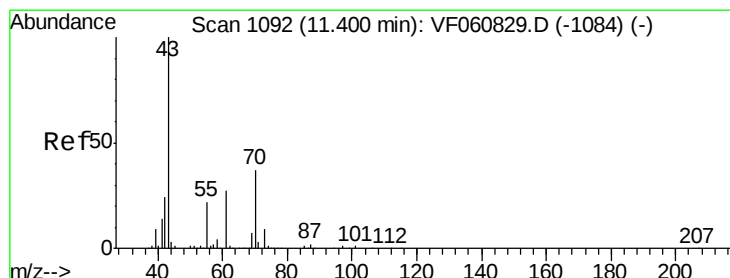
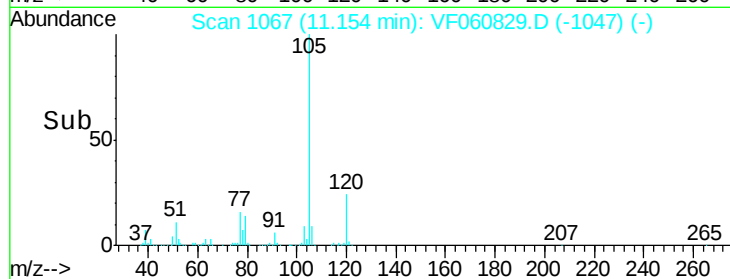
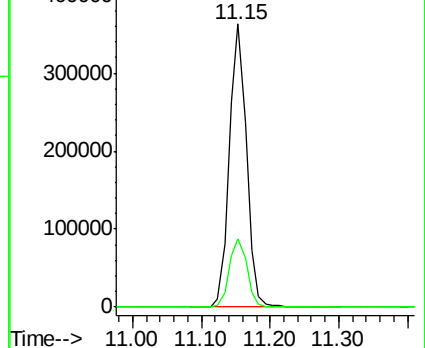
105 100

120 24.3 12.2 36.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 51.098 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. 0.00 min

Lab File: VF060829.D

Acq: 26 Nov 2018 18:30

Tgt Ion: 43 Resp: 144430

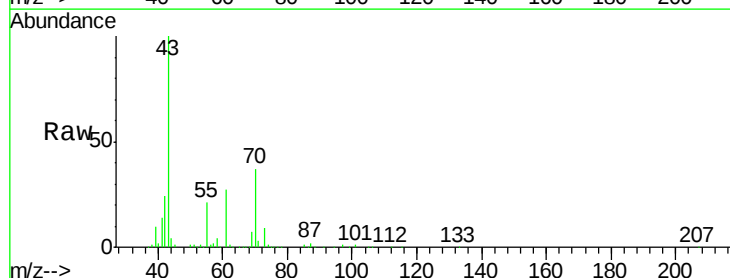
Ion Ratio Lower Upper

43 100

70 37.0 29.6 44.4

55 21.5 17.2 25.8

61 27.2 21.8 32.6

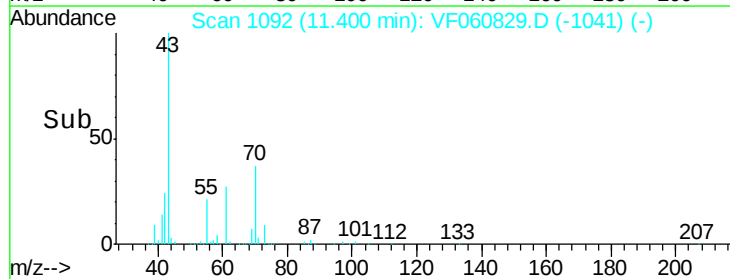
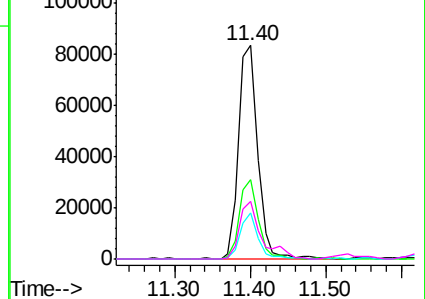


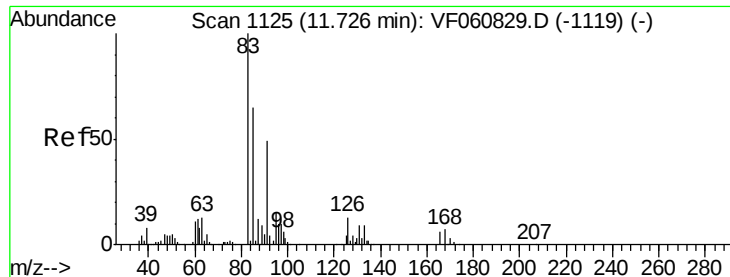
Abundance Ion 43.00 (42.70 to 43.70): VF0

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





#75

1,1,2,2-Tetrachloroethane

Concen: 51.564 ug/l

RT: 11.73 min Scan# 1125

Delta R.T. 0.00 min

Lab File: VF060829.D

Acq: 26 Nov 2018 18:30

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

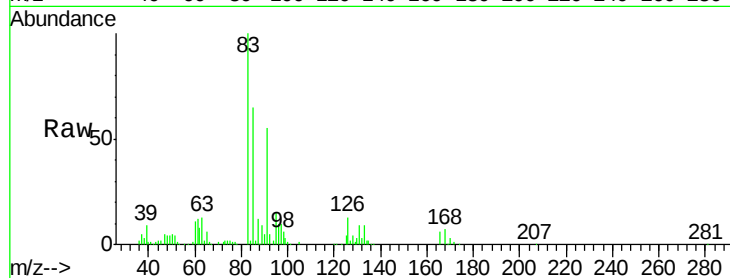
Tgt Ion: 83 Resp: 104078

Ion Ratio Lower Upper

83 100

131 9.4 4.7 14.1

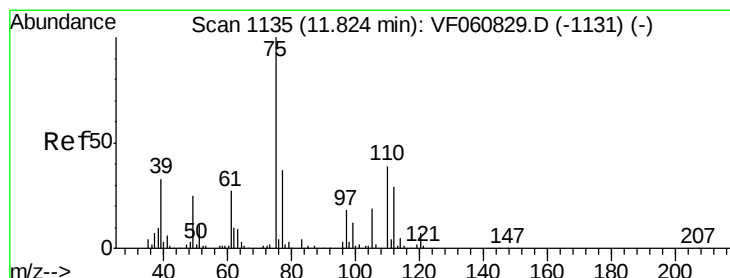
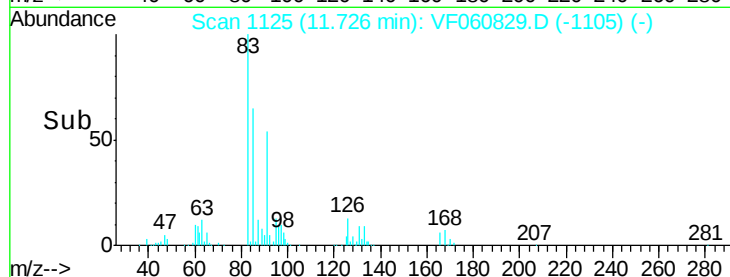
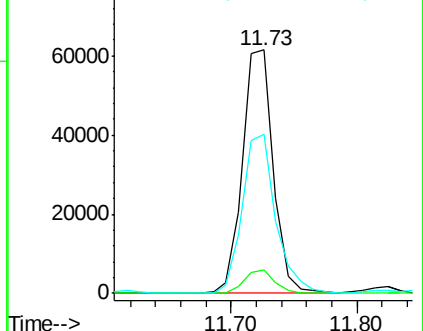
85 65.2 32.6 97.8



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): VF0

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 49.398 ug/l

RT: 11.82 min Scan# 1135

Delta R.T. 0.00 min

Lab File: VF060829.D

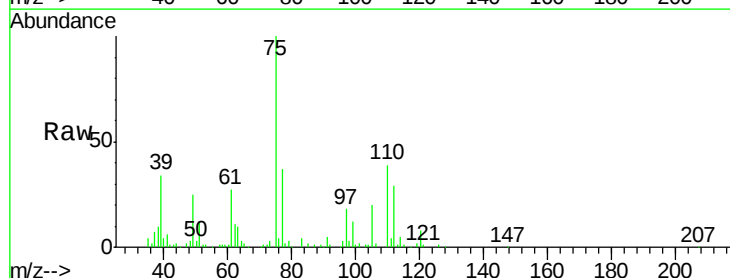
Acq: 26 Nov 2018 18:30

Tgt Ion: 75 Resp: 74921

Ion Ratio Lower Upper

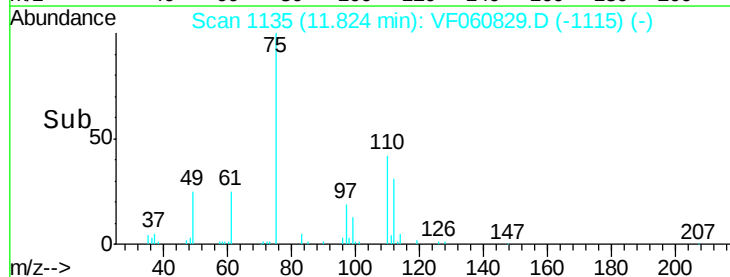
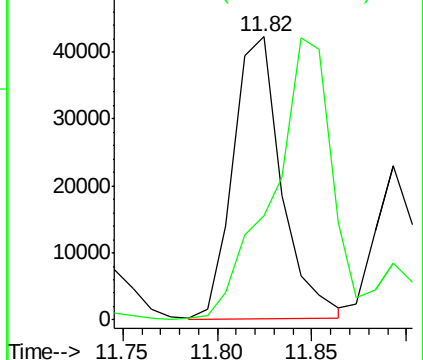
75 100

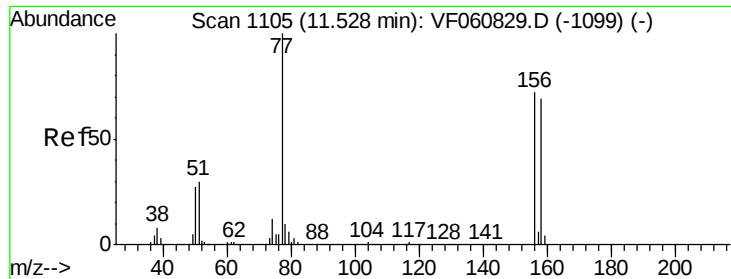
77 36.9 18.4 55.4



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 55.360 ug/l

RT: 11.53 min Scan# 1105

Delta R.T. 0.00 min

Lab File: VF060829.D

Acq: 26 Nov 2018 18:30

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

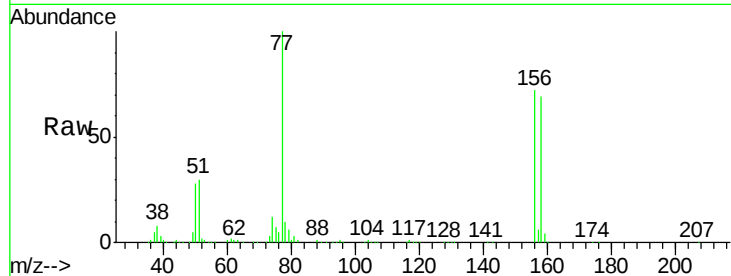
Tgt Ion:156 Resp: 143707

Ion Ratio Lower Upper

156 100

77 139.3 69.7 209.0

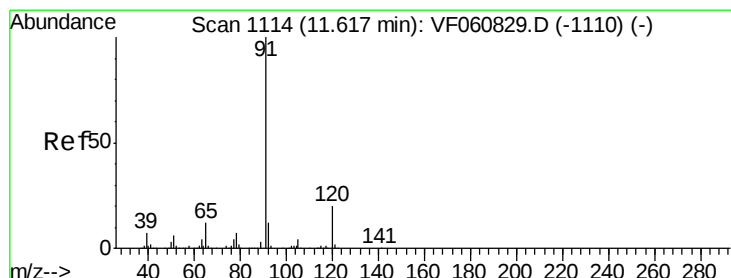
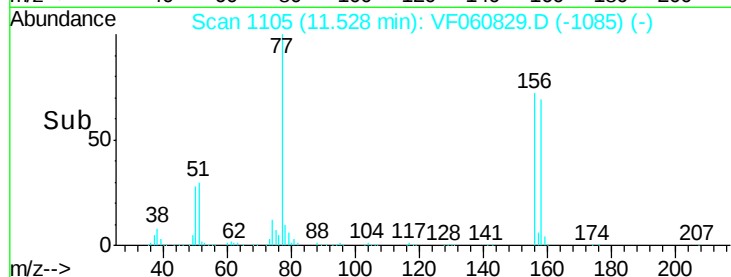
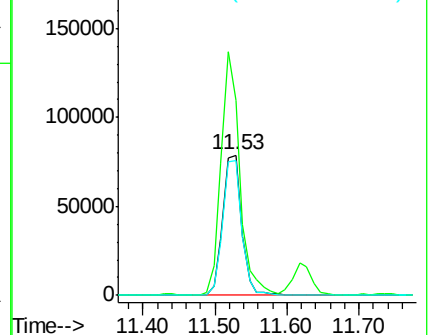
158 95.6 47.8 143.4



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: 50.499 ug/l

RT: 11.62 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VF060829.D

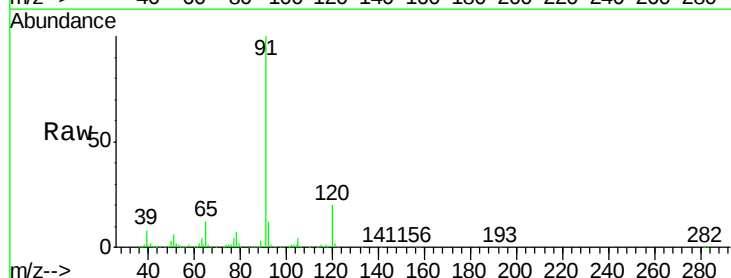
Acq: 26 Nov 2018 18:30

Tgt Ion: 91 Resp: 730888

Ion Ratio Lower Upper

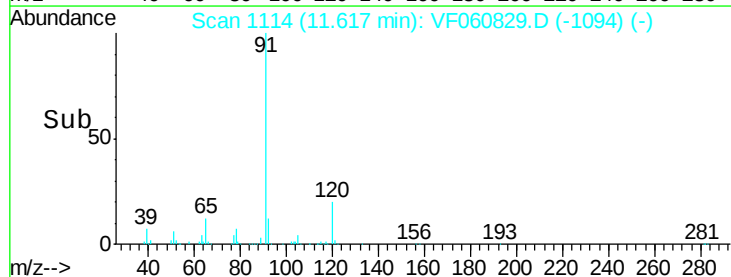
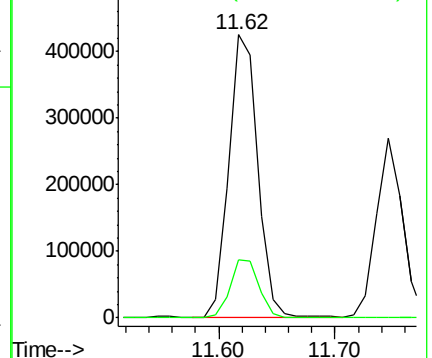
91 100

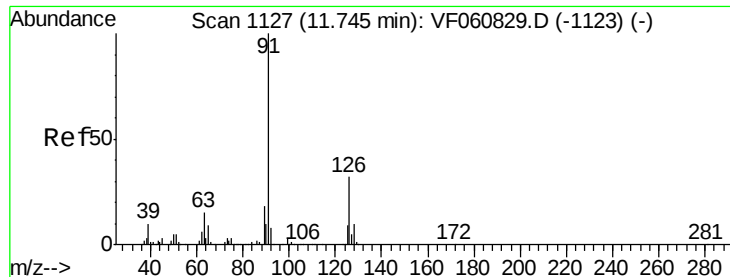
120 20.5 10.3 30.8



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

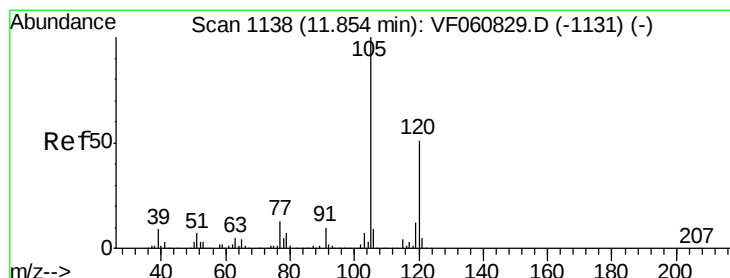
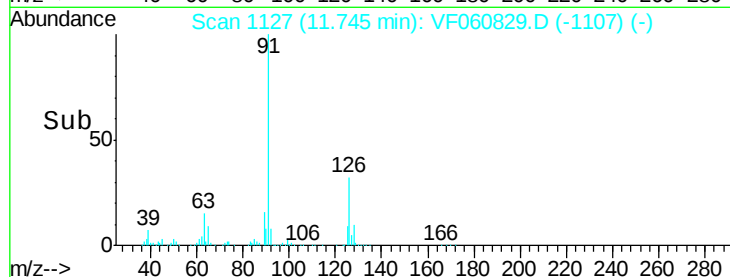
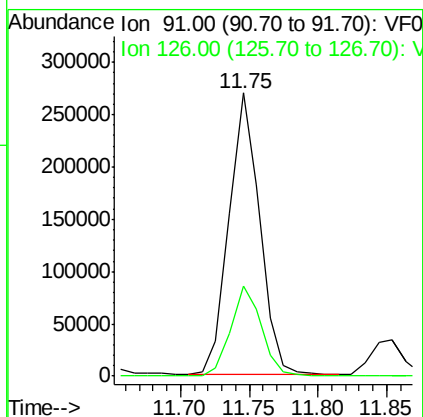
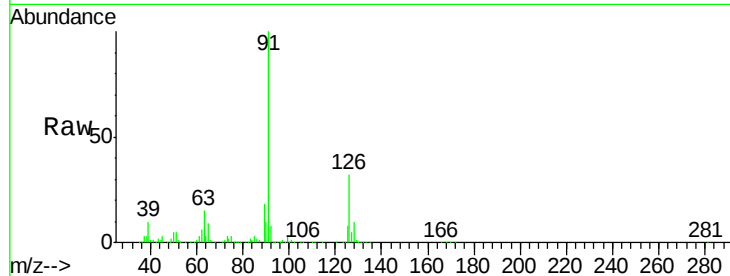




#79
 2-Chlorotoluene
 Concen: 50.305 ug/l
 RT: 11.75 min Scan# 1127
 Delta R.T. 0.00 min
 Lab File: VF060829.D
 Acq: 26 Nov 2018 18:30

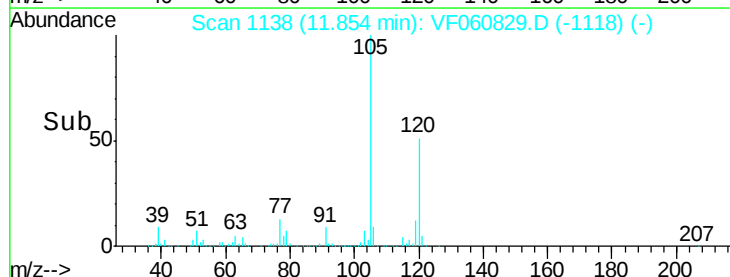
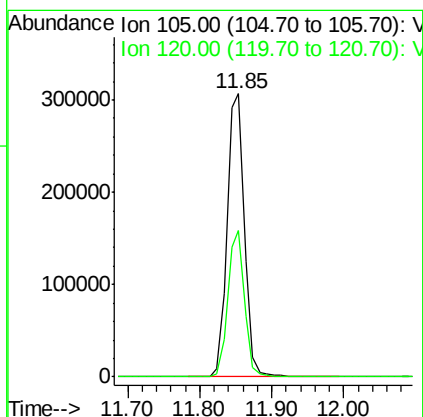
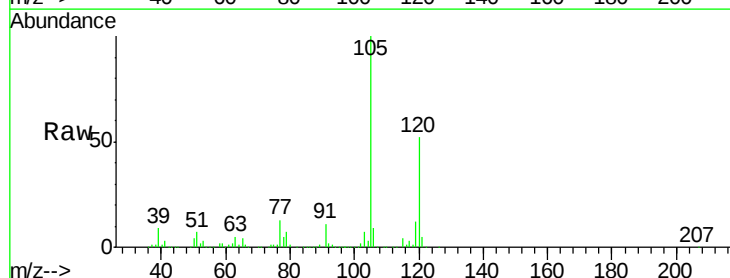
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

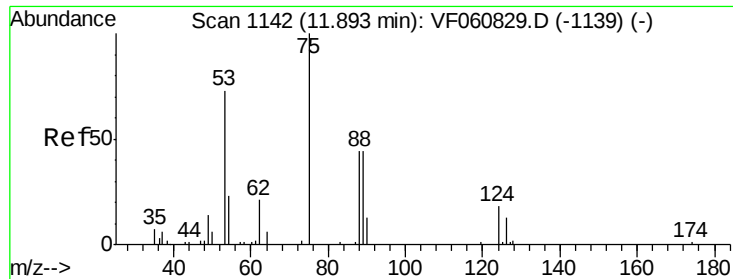
Tgt Ion: 91 Resp: 418439
 Ion Ratio Lower Upper
 91 100
 126 31.7 15.9 47.6



#80
 1,3,5-Trimethylbenzene
 Concen: 51.946 ug/l
 RT: 11.85 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VF060829.D
 Acq: 26 Nov 2018 18:30

Tgt Ion: 105 Resp: 507433
 Ion Ratio Lower Upper
 105 100
 120 51.5 25.8 77.3





#81

trans-1,4-Dichloro-2-butene

Concen: 68.364 ug/l

RT: 11.89 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VF060829.D

Acq: 26 Nov 2018 18:30

Instrument :

MSVOA_F

ClientSampled :

VSTDICCC050

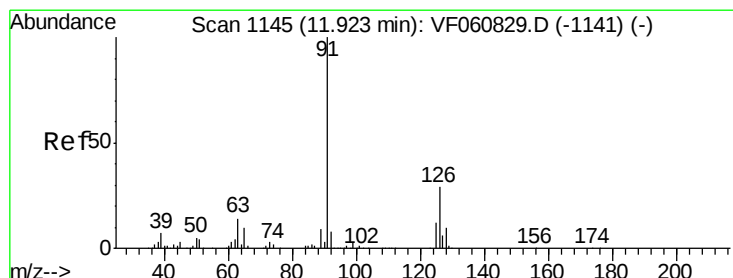
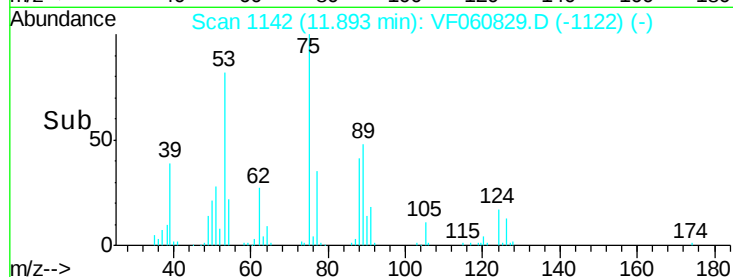
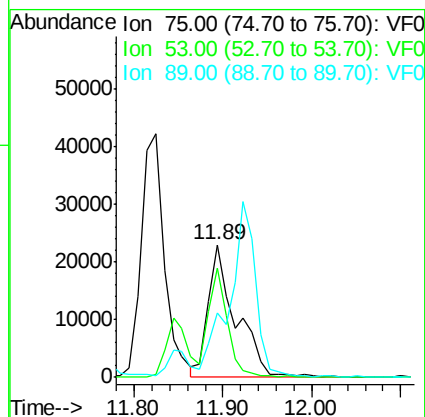
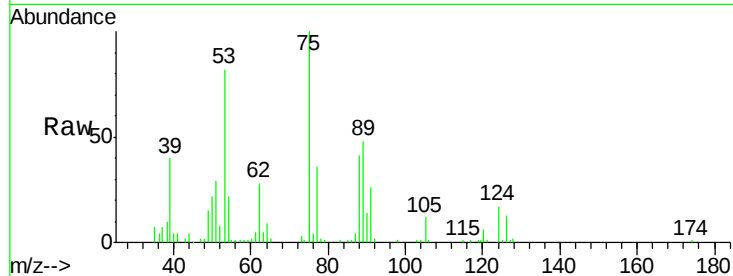
Tgt Ion: 75 Resp: 50278

Ion Ratio Lower Upper

75 100

53 82.4 65.9 98.9

89 48.5 38.8 58.2



#82

4-Chlorotoluene

Concen: 49.983 ug/l

RT: 11.92 min Scan# 1145

Delta R.T. 0.00 min

Lab File: VF060829.D

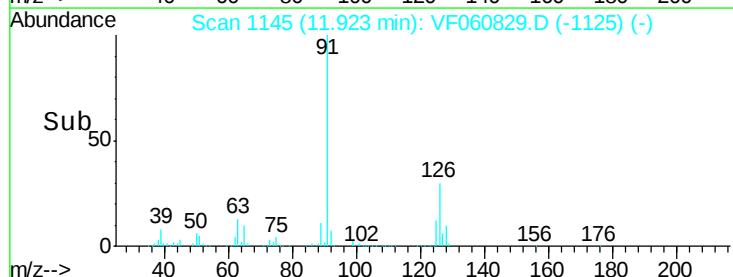
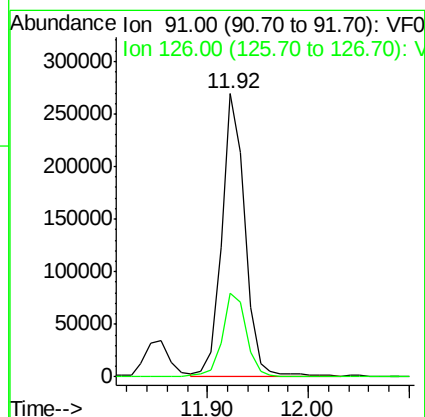
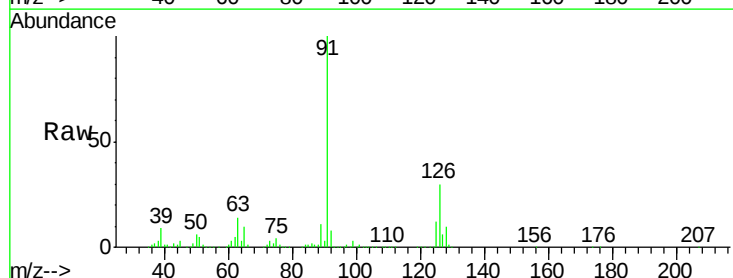
Acq: 26 Nov 2018 18:30

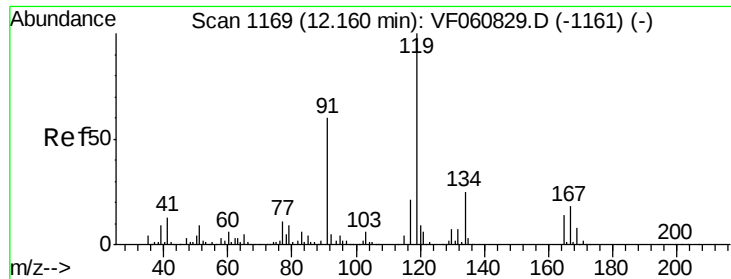
Tgt Ion: 91 Resp: 427214

Ion Ratio Lower Upper

91 100

126 29.6 14.8 44.4

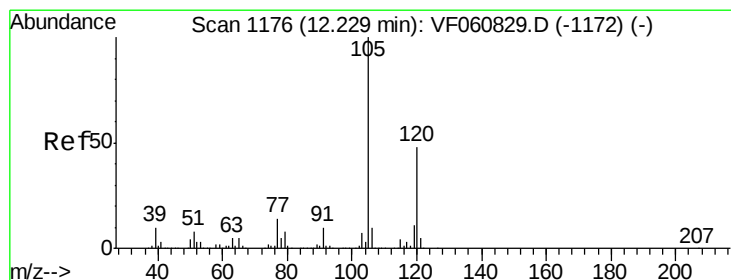
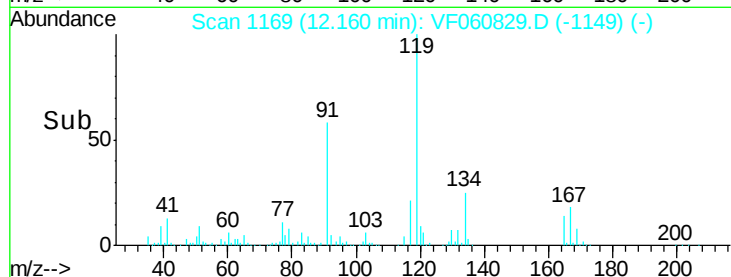
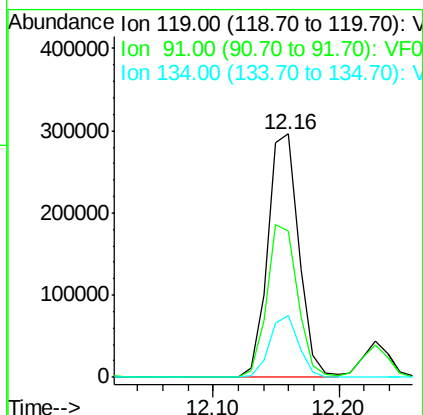
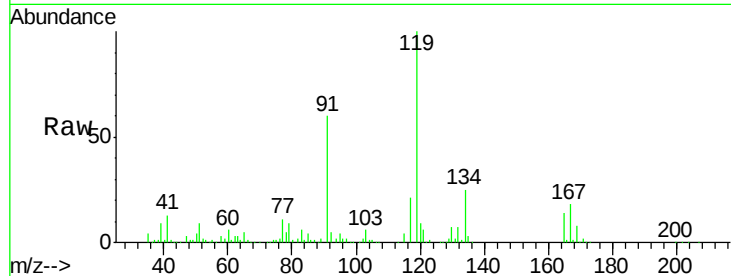




#83
 tert-Butylbenzene
 Concen: 49.833 ug/l
 RT: 12.16 min Scan# 1169
 Delta R.T. 0.00 min
 Lab File: VF060829.D
 Acq: 26 Nov 2018 18:30

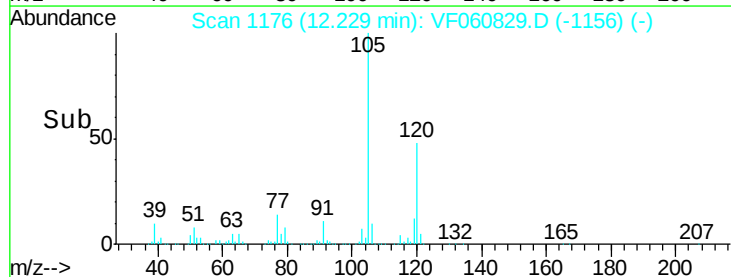
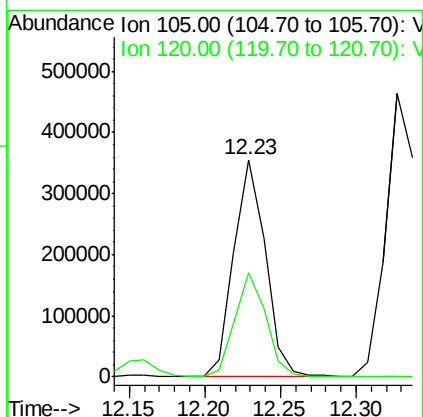
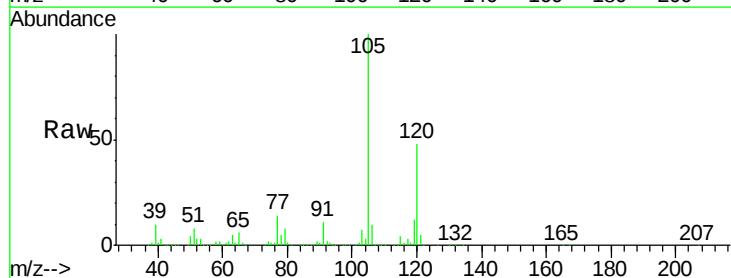
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

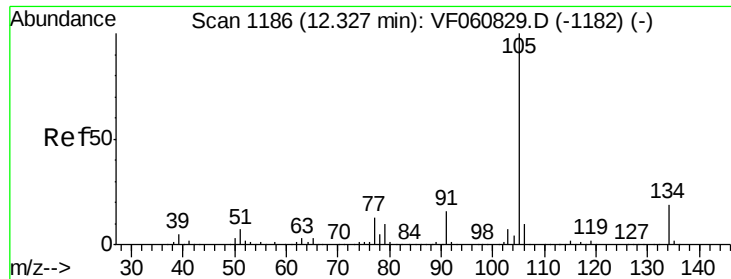
Tgt Ion:119 Resp: 509176
 Ion Ratio Lower Upper
 119 100
 91 60.2 30.1 90.3
 134 25.2 12.6 37.8



#84
 1,2,4-Trimethylbenzene
 Concen: 51.365 ug/l
 RT: 12.23 min Scan# 1176
 Delta R.T. 0.00 min
 Lab File: VF060829.D
 Acq: 26 Nov 2018 18:30

Tgt Ion:105 Resp: 519918
 Ion Ratio Lower Upper
 105 100
 120 47.7 23.8 71.5

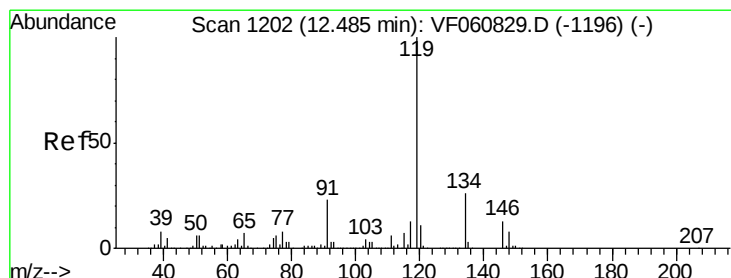
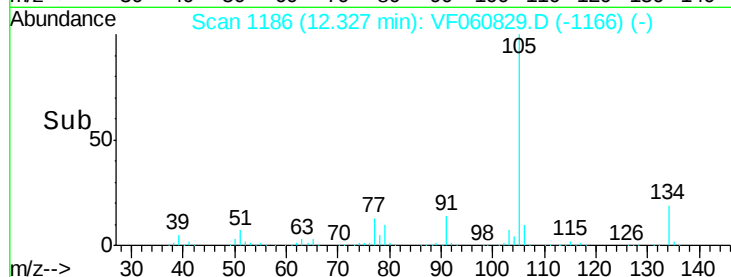
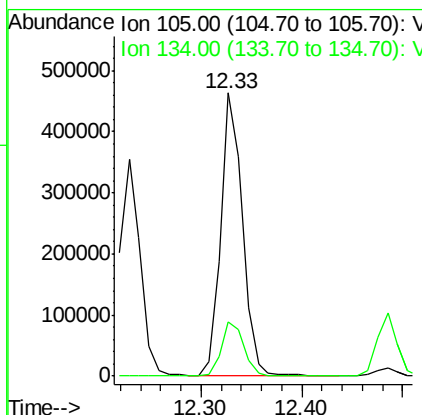
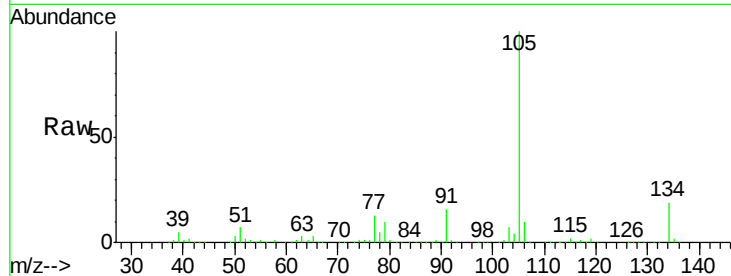




#85
 sec-Butylbenzene
 Concen: 49.891 ug/l
 RT: 12.33 min Scan# 1186
 Delta R.T. 0.00 min
 Lab File: VF060829.D
 Acq: 26 Nov 2018 18:30

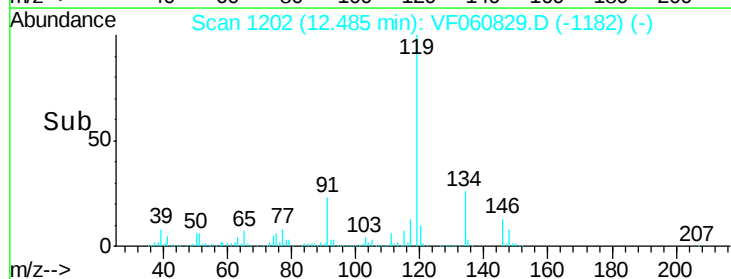
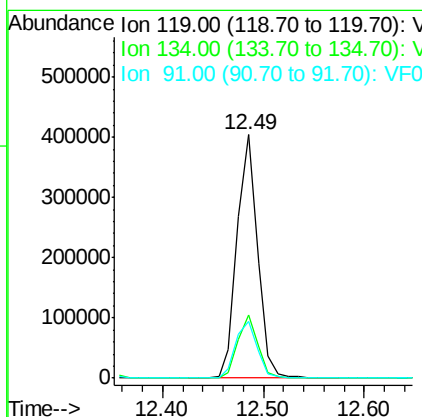
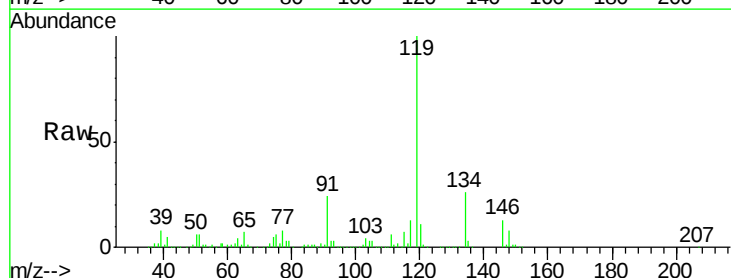
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

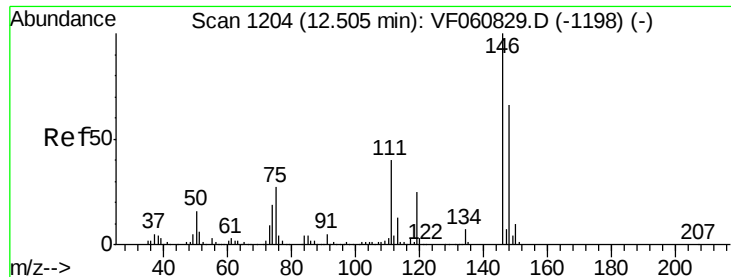
Tgt Ion:105 Resp: 697203
 Ion Ratio Lower Upper
 105 100
 134 19.0 9.5 28.5



#86
 p-Isopropyltoluene
 Concen: 49.209 ug/l
 RT: 12.49 min Scan# 1202
 Delta R.T. 0.00 min
 Lab File: VF060829.D
 Acq: 26 Nov 2018 18:30

Tgt Ion:119 Resp: 570866
 Ion Ratio Lower Upper
 119 100
 134 25.7 12.9 38.6
 91 23.5 11.8 35.3





#87

1,3-Dichlorobenzene

Concen: 50.340 ug/l

RT: 12.50 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VF060829.D

Acq: 26 Nov 2018 18:30

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

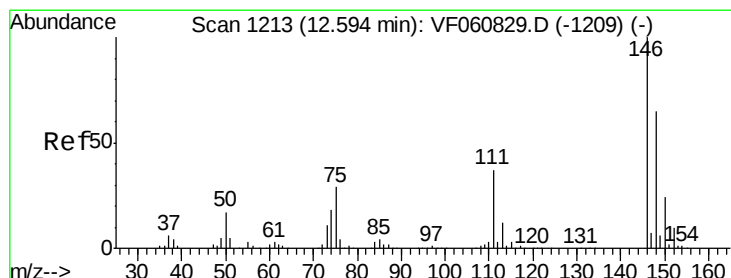
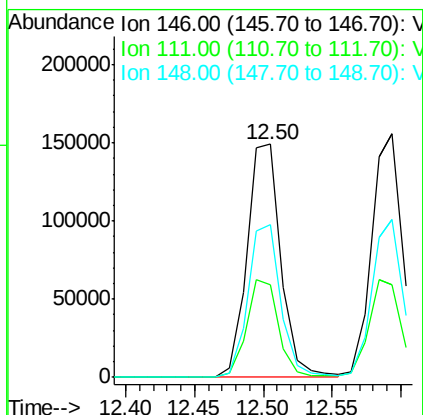
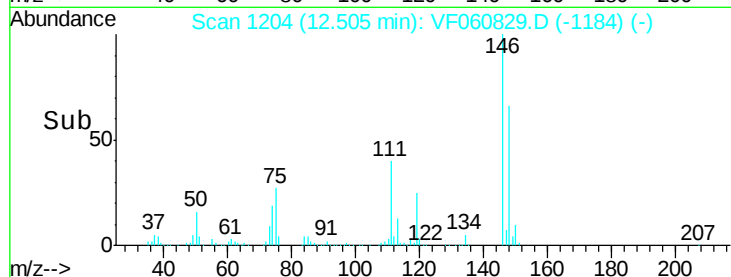
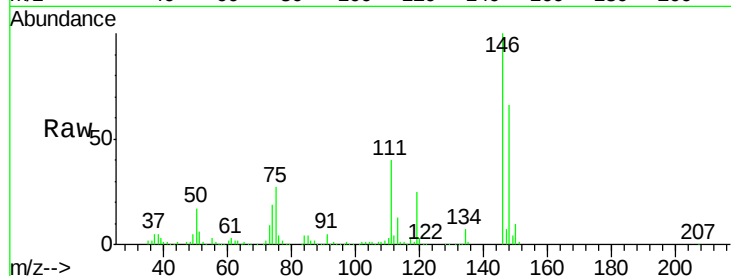
Tgt Ion:146 Resp: 256419

Ion Ratio Lower Upper

146 100

111 39.9 20.0 59.9

148 65.7 32.9 98.6



#88

1,4-Dichlorobenzene

Concen: 51.414 ug/l

RT: 12.59 min Scan# 1213

Delta R.T. 0.00 min

Lab File: VF060829.D

Acq: 26 Nov 2018 18:30

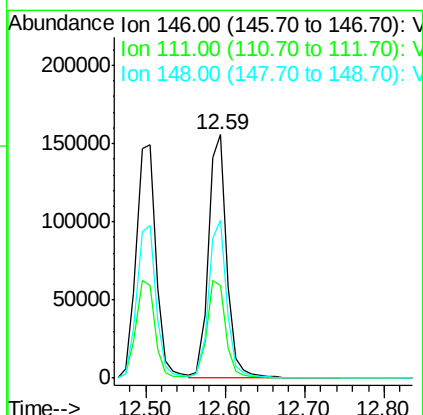
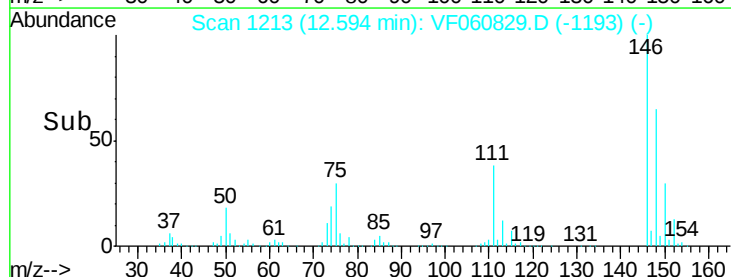
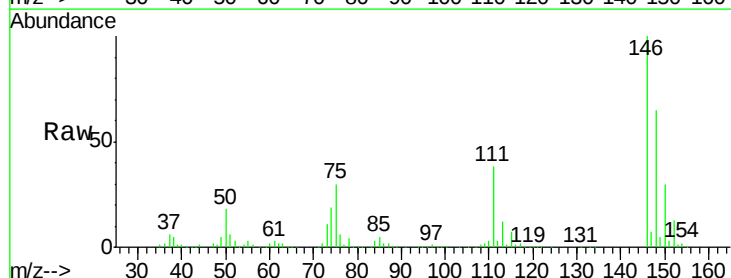
Tgt Ion:146 Resp: 250902

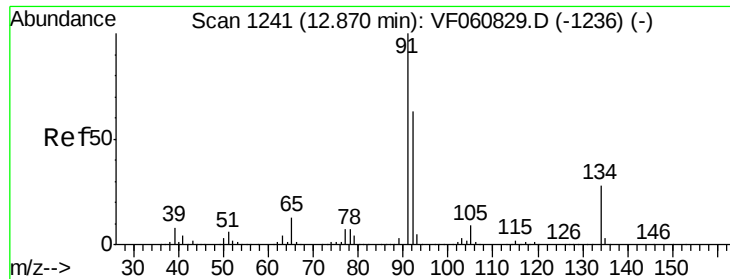
Ion Ratio Lower Upper

146 100

111 37.8 18.9 56.7

148 64.6 32.3 96.9

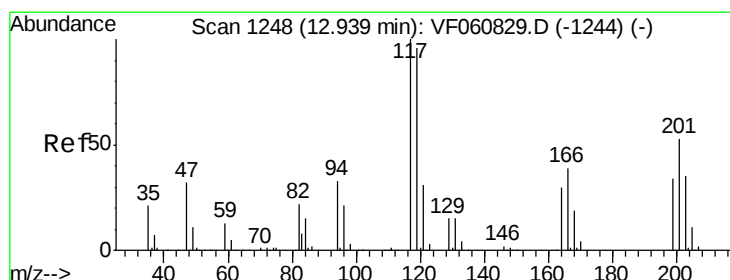
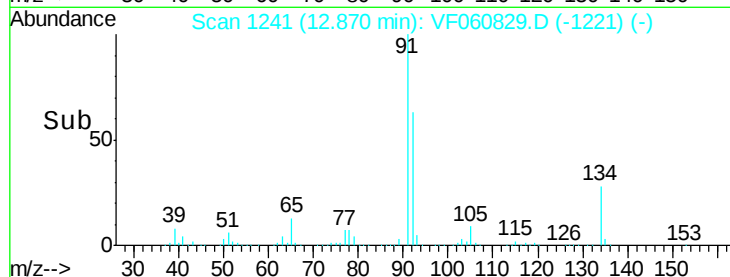
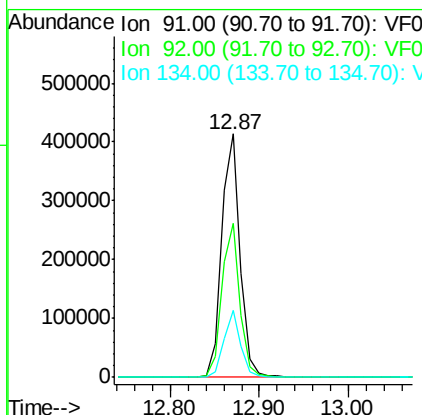
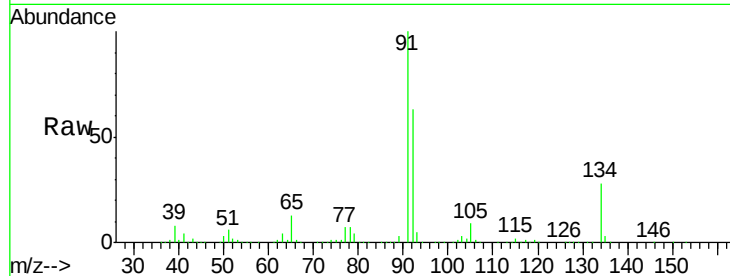




#89
n-Butylbenzene
Concen: 50.008 ug/l
RT: 12.87 min Scan# 1241
Delta R.T. 0.00 min
Lab File: VF060829.D
Acq: 26 Nov 2018 18:30

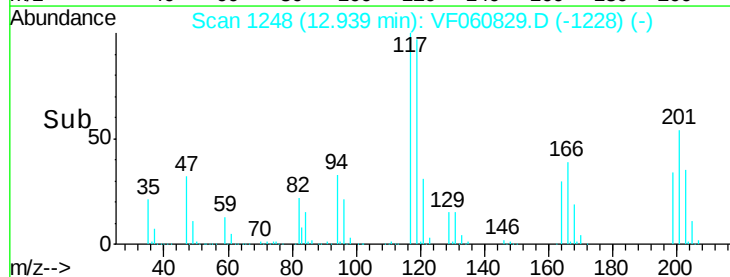
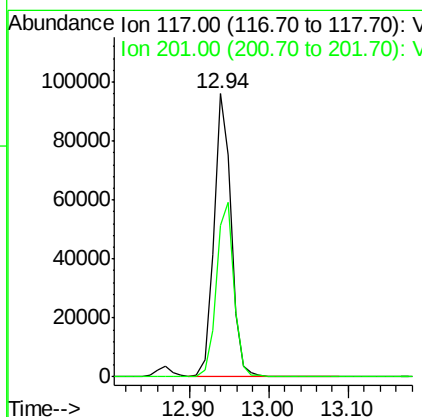
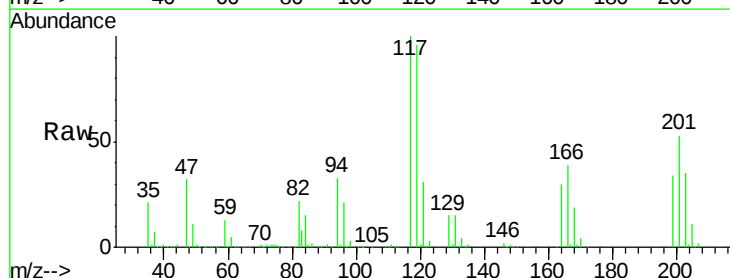
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

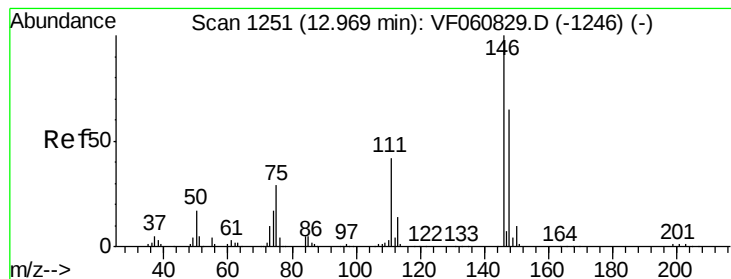
Tgt Ion: 91 Resp: 601339
Ion Ratio Lower Upper
91 100
92 63.1 31.6 94.7
134 27.6 13.8 41.4



#90
Hexachloroethane
Concen: 51.747 ug/l
RT: 12.94 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VF060829.D
Acq: 26 Nov 2018 18:30

Tgt Ion: 117 Resp: 147068
Ion Ratio Lower Upper
117 100
201 53.4 26.7 80.1





#91

1,2-Dichlorobenzene

Concen: 51.799 ug/l

RT: 12.97 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VF060829.D

Acq: 26 Nov 2018 18:30

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

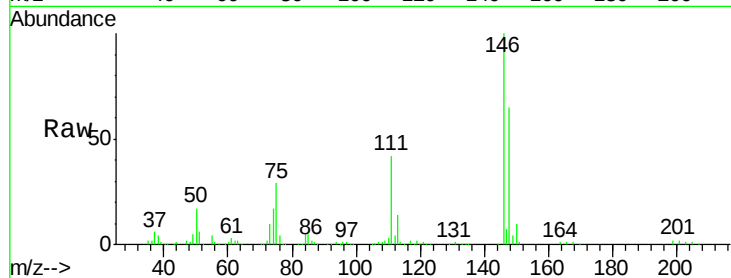
Tgt Ion:146 Resp: 250138

Ion Ratio Lower Upper

146 100

111 42.4 21.2 63.6

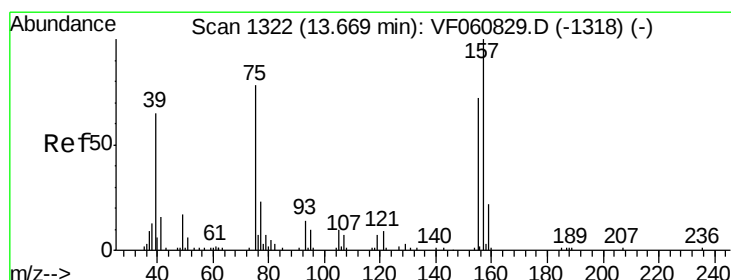
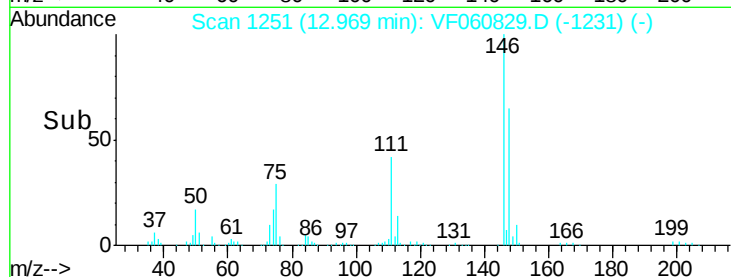
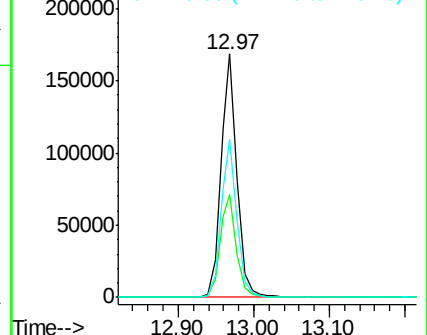
148 65.0 32.5 97.5



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: 53.172 ug/l

RT: 13.67 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VF060829.D

Acq: 26 Nov 2018 18:30

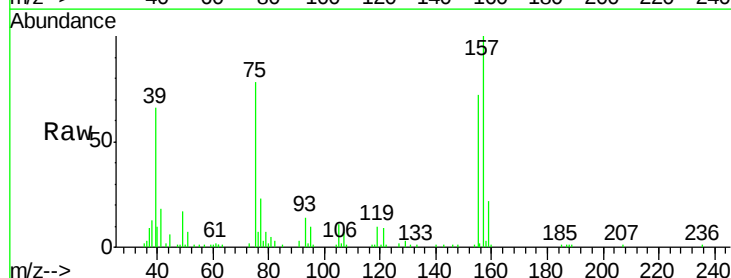
Tgt Ion: 75 Resp: 20157

Ion Ratio Lower Upper

75 100

155 91.3 45.6 136.9

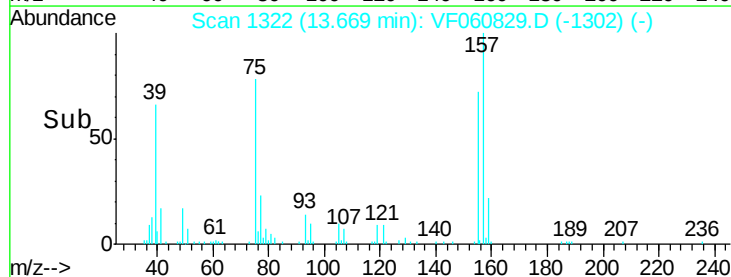
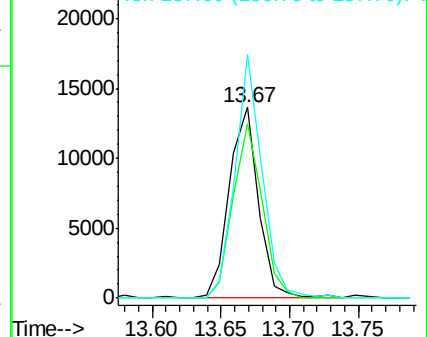
157 127.7 63.8 191.5

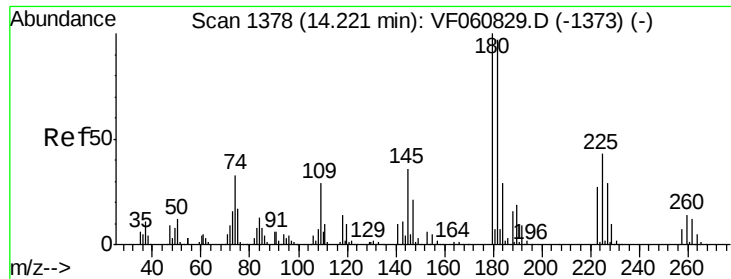


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

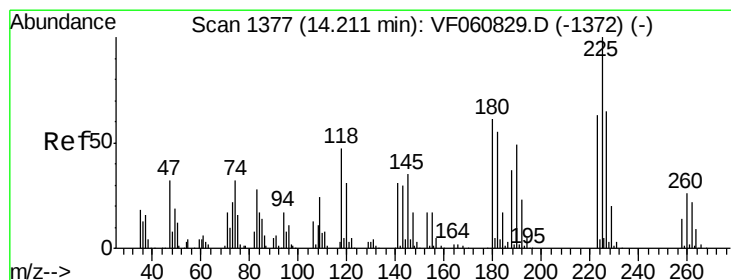
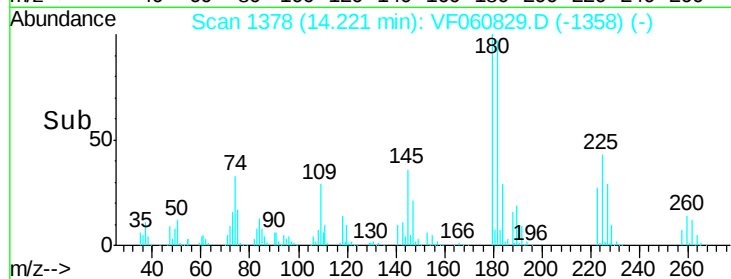
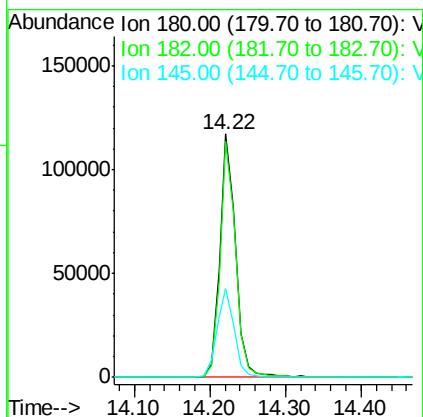
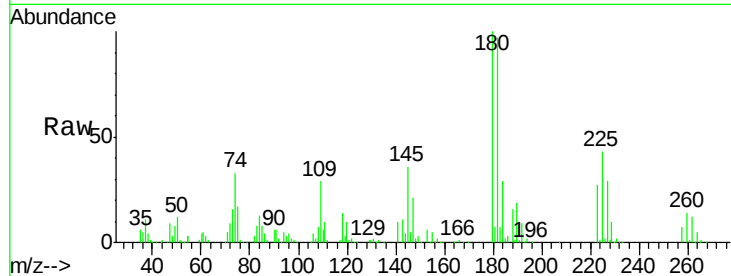




#93
 1,2,4-Trichlorobenzene
 Concen: 50.509 ug/l
 RT: 14.22 min Scan# 1378
 Delta R.T. 0.00 min
 Lab File: VF060829.D
 Acq: 26 Nov 2018 18:30

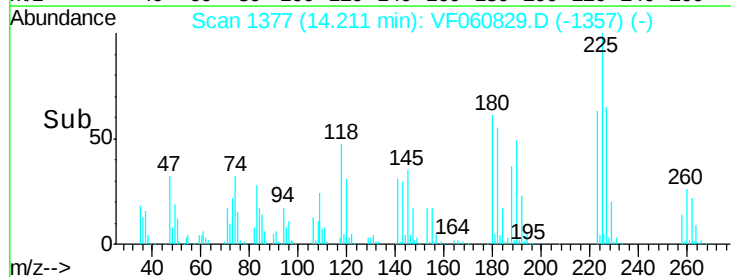
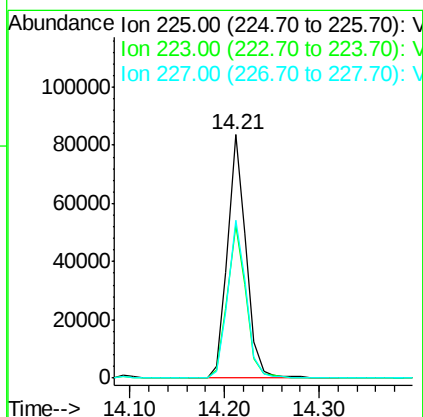
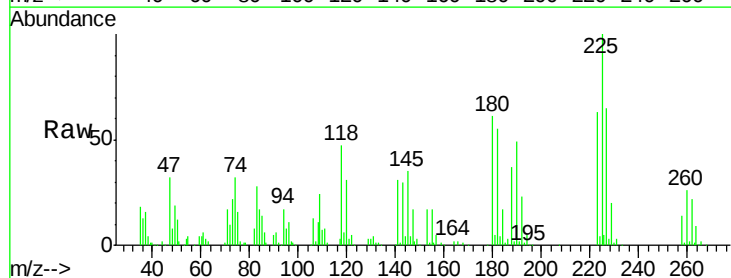
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

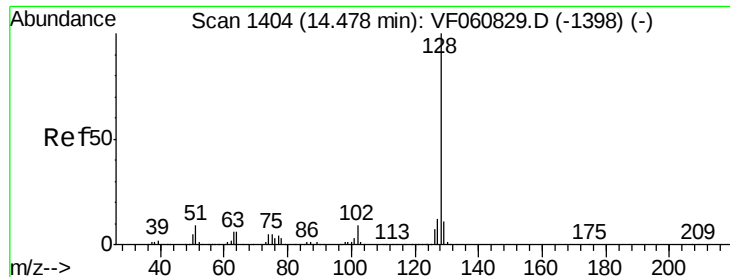
Tgt Ion:180 Resp: 172647
 Ion Ratio Lower Upper
 180 100
 182 97.0 48.5 145.5
 145 36.2 18.1 54.3



#94
 Hexachlorobutadiene
 Concen: 51.262 ug/l
 RT: 14.21 min Scan# 1377
 Delta R.T. 0.00 min
 Lab File: VF060829.D
 Acq: 26 Nov 2018 18:30

Tgt Ion:225 Resp: 113677
 Ion Ratio Lower Upper
 225 100
 223 62.9 31.4 94.3
 227 65.0 32.5 97.5

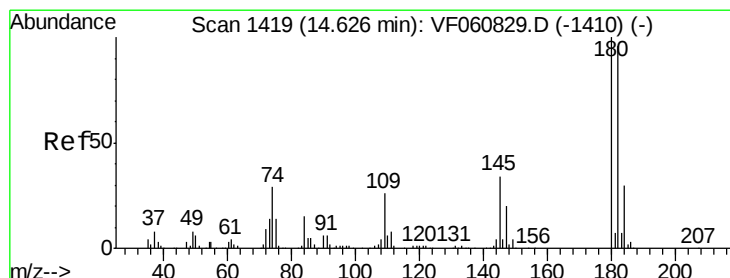
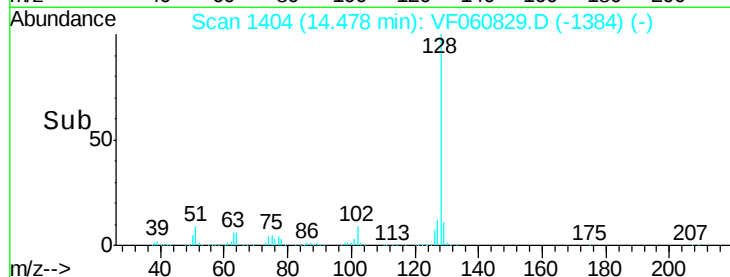
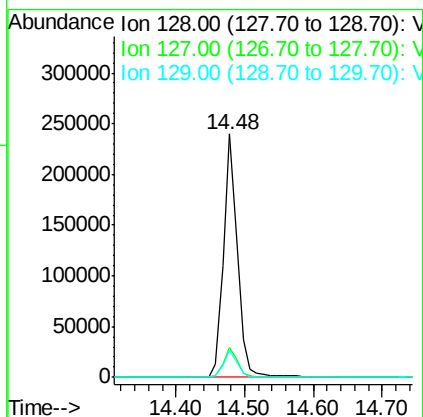
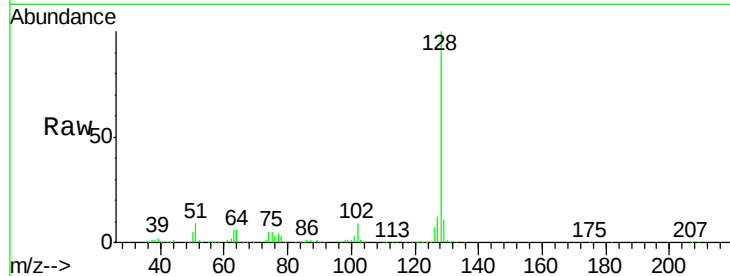




#95
Naphthalene
Concen: 54.658 ug/l
RT: 14.48 min Scan# 1404
Delta R.T. 0.00 min
Lab File: VF060829.D
Acq: 26 Nov 2018 18:30

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tgt Ion:128 Resp: 341737
Ion Ratio Lower Upper
128 100
127 12.4 9.9 14.9
129 11.4 9.1 13.7



#96
1,2,3-Trichlorobenzene
Concen: 51.413 ug/l
RT: 14.63 min Scan# 1419
Delta R.T. 0.00 min
Lab File: VF060829.D
Acq: 26 Nov 2018 18:30

Tgt Ion:180 Resp: 161000
Ion Ratio Lower Upper
180 100
182 95.9 47.9 143.8
145 34.3 17.2 51.5

