

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF082218\
 Data File : VF060034.D
 Acq On : 22 Aug 2018 12:30
 Operator : VA/AP
 Sample : VF0822SBS01
 Misc : 5.00g/5mL/MSVOA_F/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0822SBS01

Quant Time: Aug 23 04:23:59 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F082118S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 04:43:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	221059	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.78	114	351783	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.94	117	368339	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.64	152	215439	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.04	65	154733	51.14	ug/l	0.01
Spiked Amount	50.000		Recovery	=	102.28%	
35) Dibromofluoromethane	4.31	113	139622	50.54	ug/l	0.01
Spiked Amount	50.000		Recovery	=	101.08%	
50) Toluene-d8	7.73	98	378062	48.19	ug/l	0.01
Spiked Amount	50.000		Recovery	=	96.38%	
62) 4-Bromofluorobenzene	11.53	95	203269	48.98	ug/l	0.01
Spiked Amount	50.000		Recovery	=	97.96%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.96	85	59930	20.592	ug/l	99
3) Chloromethane	1.08	50	48206	23.562	ug/l	91
4) Vinyl Chloride	1.13	62	42154	23.329	ug/l	99
5) Bromomethane	1.33	94	30444	22.172	ug/l	93
6) Chloroethane	1.40	64	14385	20.195	ug/l #	87
7) Trichlorofluoromethane	1.49	101	78886	21.710	ug/l	96
8) Diethyl Ether	1.71	74	14244	21.926	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	1.87	101	42791	22.435	ug/l	94
10) Methyl Iodide	1.94	142	54660	21.675	ug/l	97
11) Tert butyl alcohol	2.70	59	16499	102.509	ug/l #	75
12) 1,1-Dichloroethene	1.84	96	31151	22.168	ug/l	97
13) Acrolein	2.10	56	5978	80.716	ug/l	93
14) Allyl chloride	2.19	41	54644	21.895	ug/l	97
15) Acrylonitrile	3.09	53	31969	100.650	ug/l	90
16) Acetone	2.35	43	96773	121.704	ug/l	98
17) Carbon Disulfide	1.85	76	105606	24.003	ug/l	99
18) Methyl Acetate	2.46	43	31839	21.062	ug/l	95
19) Methyl tert-butyl Ether	2.55	73	92382	20.519	ug/l	99
20) Methylene Chloride	2.29	84	40911	23.398	ug/l	96
21) trans-1,2-Dichloroethene	2.42	96	33510	21.312	ug/l	99
22) Diisopropyl ether	2.94	45	109750	19.639	ug/l	98
23) Vinyl Acetate	3.35	43	336476	113.652	ug/l	100
24) 1,1-Dichloroethane	3.02	63	74830	21.675	ug/l	98
25) 2-Butanone	4.53	43	116180	112.485	ug/l	99
26) 2,2-Dichloropropane	3.78	77	77051	21.572	ug/l	97
27) cis-1,2-Dichloroethene	3.65	96	51156	22.959	ug/l	94
28) Bromochloromethane	3.91	49	32702	22.436	ug/l	100
29) Tetrahydrofuran	4.27	42	39727	101.875	ug/l	97
30) Chloroform	4.06	83	100991	20.840	ug/l	98
31) Cyclohexane	3.87	56	62026	23.579	ug/l #	89
32) 1,1,1-Trichloroethane	4.29	97	88235	21.262	ug/l	99
36) 1,1-Dichloropropene	4.48	75	66035	19.975	ug/l	93
37) Ethyl Acetate	4.31	43	45606	23.067	ug/l #	64
38) Carbon Tetrachloride	4.19	117	77770	20.316	ug/l	97

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 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 04:43:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	67531	21.786	ug/l	89
40) Benzene	4.83	78	155217	21.494	ug/l	98
41) Methacrylonitrile	4.95	41	20186	20.186	ug/l #	86
42) 1,2-Dichloroethane	5.14	62	72009	18.596	ug/l	96
43) Isopropyl Acetate	7.13	43	47682	19.162	ug/l #	95
44) Trichloroethene	5.69	130	51715	21.662	ug/l	95
45) 1,2-Dichloropropane	6.41	63	44995	22.027	ug/l	98
46) Dibromomethane	6.28	93	34613	21.655	ug/l	98
47) Bromodichloromethane	6.57	83	79218	20.519	ug/l	97
48) Methyl methacrylate	6.90	41	29456	17.889	ug/l	93
49) 1,4-Dioxane	6.90	88	6171	390.392	ug/l	95
51) 4-Methyl-2-Pentanone	8.42	43	223844	104.169	ug/l	97
52) Toluene	7.80	92	112282	21.359	ug/l	91
53) t-1,3-Dichloropropene	8.44	75	72829	20.802	ug/l #	87
54) cis-1,3-Dichloropropene	7.48	75	78430	20.072	ug/l	98
55) 1,1,2-Trichloroethane	8.66	97	42262	21.689	ug/l	93
56) Ethyl methacrylate	8.78	69	50384	21.362	ug/l	91
57) 1,3-Dichloropropane	9.02	76	70855	20.688	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.80	63	18522	98.934	ug/l	100
59) 2-Hexanone	9.65	43	187791	107.976	ug/l	100
60) Dibromochloromethane	8.89	129	56434	19.619	ug/l	99
61) 1,2-Dibromoethane	9.15	107	46823	20.461	ug/l	98
64) Tetrachloroethene	8.33	164	49413	19.914	ug/l	93
65) Chlorobenzene	9.96	112	147838	21.255	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.09	131	53092	20.126	ug/l	93
67) Ethyl Benzene	10.06	91	258332	21.525	ug/l	99
68) m/p-Xylenes	10.29	106	193025	43.848	ug/l	99
69) o-Xylene	10.85	106	99964	21.260	ug/l	96
70) Styrene	10.92	104	157692	21.860	ug/l	97
71) Bromoform	10.91	173	36352	19.751	ug/l	94
73) Isopropylbenzene	11.24	105	295905	22.818	ug/l	98
74) N-amyl acetate	11.48	43	86128	21.367	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.80	83	62988	22.240	ug/l	99
76) 1,2,3-Trichloropropane	11.89	75	45542	20.736	ug/l	91
77) Bromobenzene	11.61	156	75318	21.356	ug/l	89
78) n-propylbenzene	11.71	91	365222	22.818	ug/l	99
79) 2-Chlorotoluene	11.83	91	211870	22.511	ug/l	98
80) 1,3,5-Trimethylbenzene	11.92	105	251721	22.280	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.97	75	28526	28.387	ug/l	93
82) 4-Chlorotoluene	12.00	91	225467	22.065	ug/l	96
83) tert-Butylbenzene	12.23	119	249698	22.660	ug/l	96
84) 1,2,4-Trimethylbenzene	12.30	105	264672	22.035	ug/l	97
85) sec-Butylbenzene	12.40	105	338753	22.082	ug/l	96
86) p-Isopropyltoluene	12.55	119	293644	23.072	ug/l	96
87) 1,3-Dichlorobenzene	12.57	146	141876	21.757	ug/l	98
88) 1,4-Dichlorobenzene	12.66	146	136306	21.033	ug/l	97
89) n-Butylbenzene	12.93	91	284226	22.986	ug/l	98
90) Hexachloroethane	13.01	117	63341	22.148	ug/l	86
91) 1,2-Dichlorobenzene	13.04	146	135444	21.597	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.73	75	11192	19.338	ug/l	89

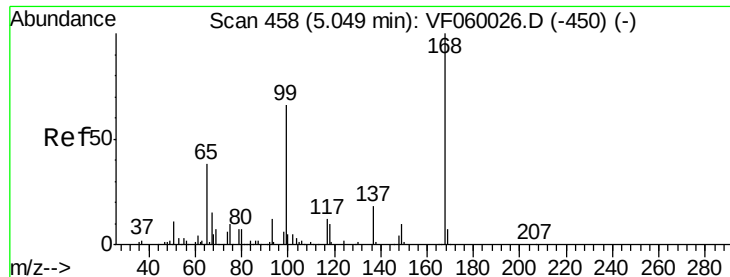
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF082218\
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Quant Title : SW846 8260
QLast Update : Wed Aug 22 04:43:43 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.28	180	102899	22.282	ug/l	97
94) Hexachlorobutadiene	14.27	225	61953	21.554	ug/l	96
95) Naphthalene	14.55	128	141373	19.123	ug/l	98
96) 1,2,3-Trichlorobenzene	14.68	180	97422	22.111	ug/l	94

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.06 min Scan# 460

Delta R.T. 0.01 min

Lab File: VF060034.D

Acq: 22 Aug 2018 12:30

Instrument :

MSVOA_F

ClientSampleId :

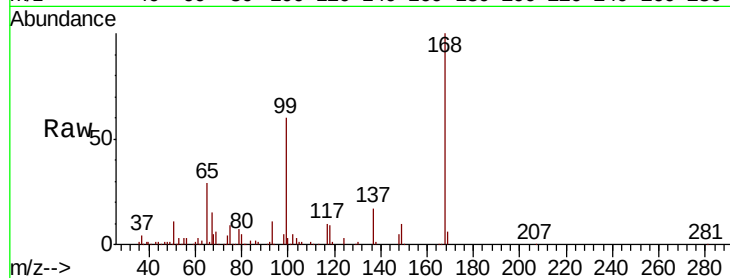
VF0822SBS01

Tgt Ion:168 Resp: 221059

Ion Ratio Lower Upper

168 100

99 59.6 52.6 79.0



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.06

80000

60000

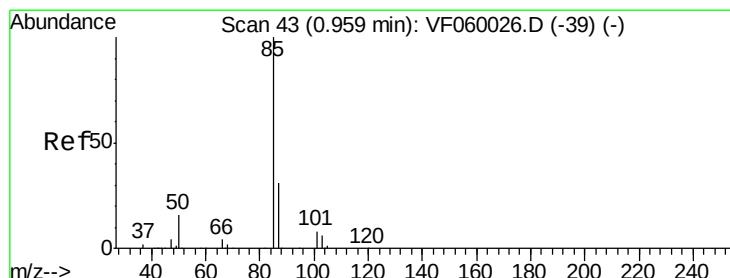
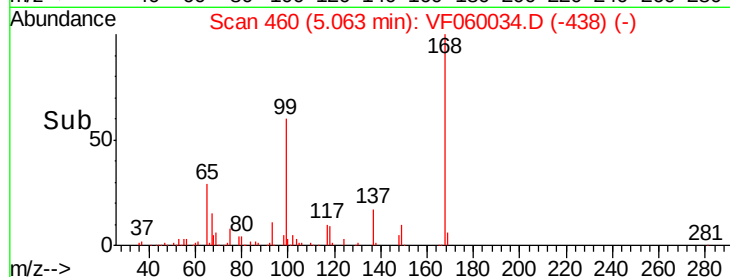
40000

20000

0

Time-->

4.90 5.00 5.10 5.20



#2

Dichlorodifluoromethane

Concen: 20.592 ug/l

RT: 0.96 min Scan# 44

Delta R.T. 0.00 min

Lab File: VF060034.D

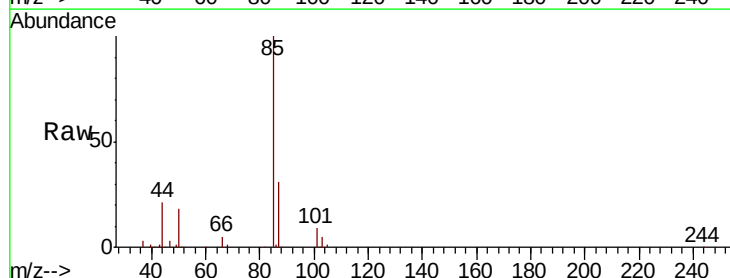
Acq: 22 Aug 2018 12:30

Tgt Ion: 85 Resp: 59930

Ion Ratio Lower Upper

85 100

87 31.0 15.3 45.9



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

50000

40000

30000

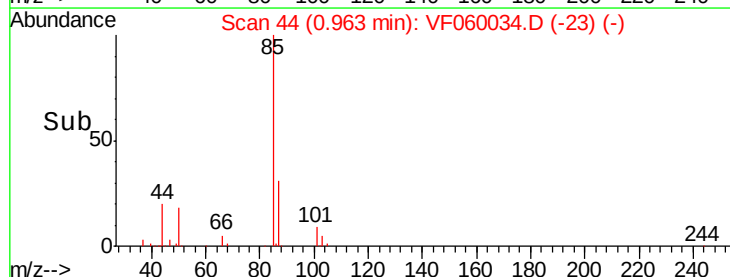
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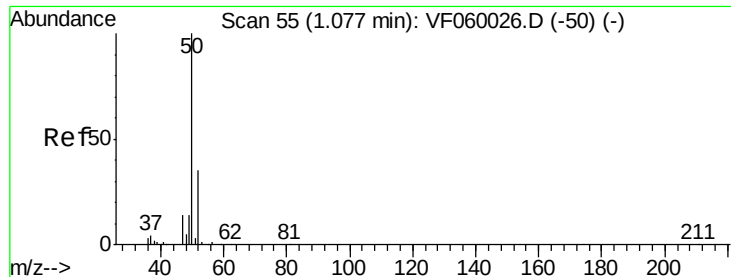
10000

0

Time-->

0.90 0.95 1.00 1.05





#3

Chloromethane

Concen: 23.562 ug/l

RT: 1.08 min Scan# 56

Delta R.T. 0.00 min

Lab File: VF060034.D

Acq: 22 Aug 2018 12:30

Instrument :

MSVOA_F

ClientSampleId :

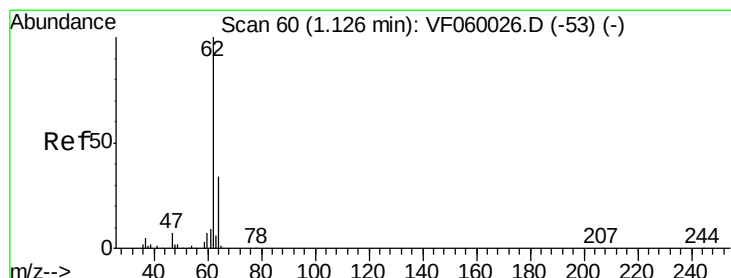
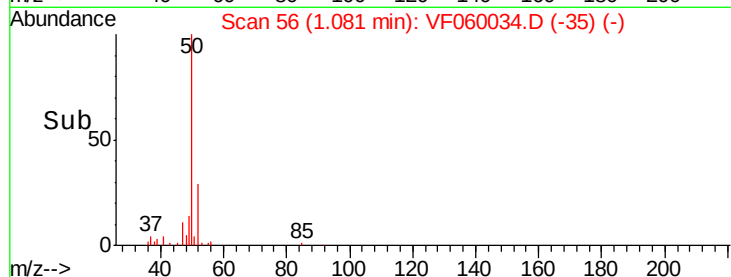
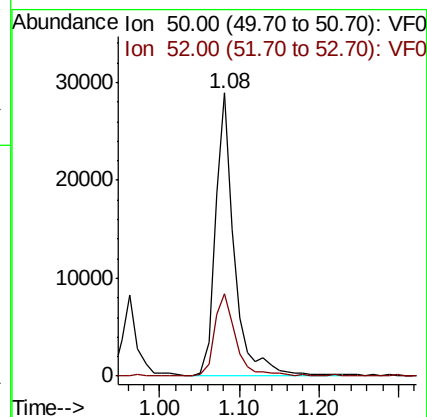
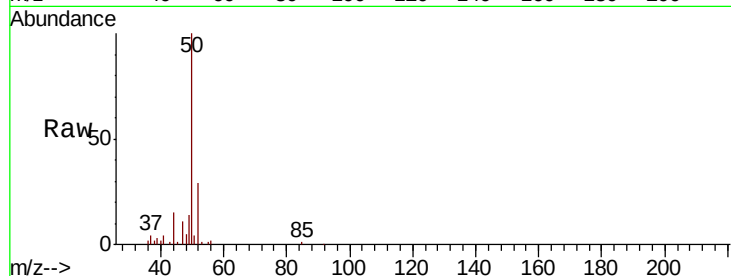
VF0822SBS01

Tgt Ion: 50 Resp: 48206

Ion Ratio Lower Upper

50 100

52 29.2 27.6 41.4



#4

Vinyl Chloride

Concen: 23.329 ug/l

RT: 1.13 min Scan# 61

Delta R.T. 0.00 min

Lab File: VF060034.D

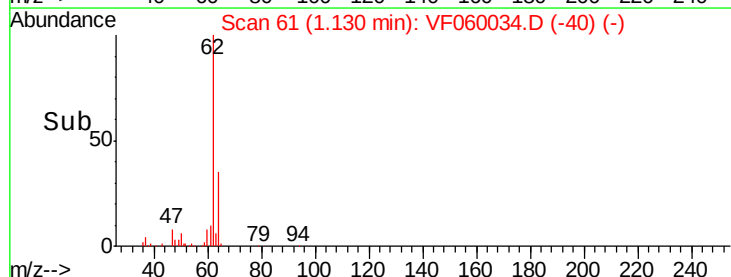
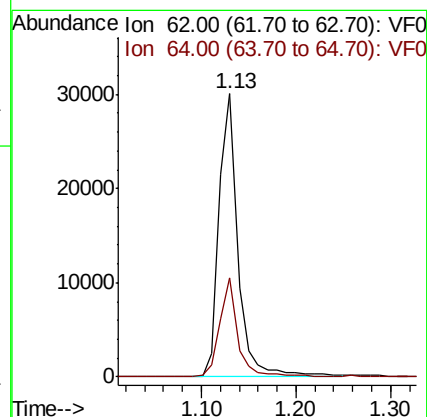
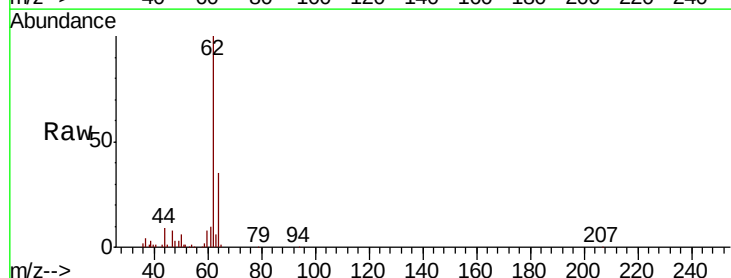
Acq: 22 Aug 2018 12:30

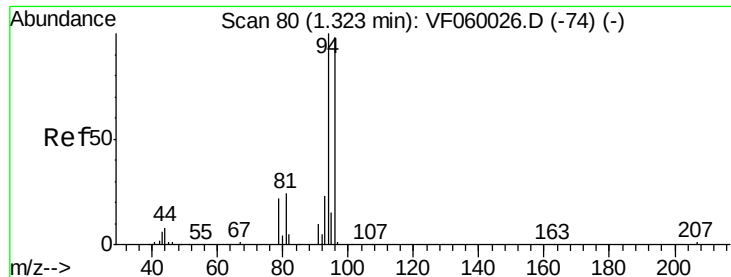
Tgt Ion: 62 Resp: 42154

Ion Ratio Lower Upper

62 100

64 34.9 27.4 41.2





#5

Bromomethane

Concen: 22.172 ug/l

RT: 1.33 min Scan# 81

Delta R.T. 0.00 min

Lab File: VF060034.D

Acq: 22 Aug 2018 12:30

Instrument :

MSVOA_F

ClientSampleId :

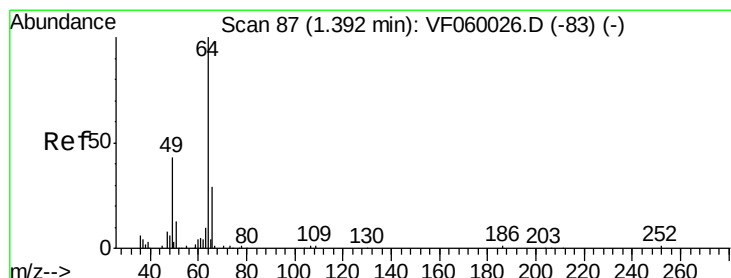
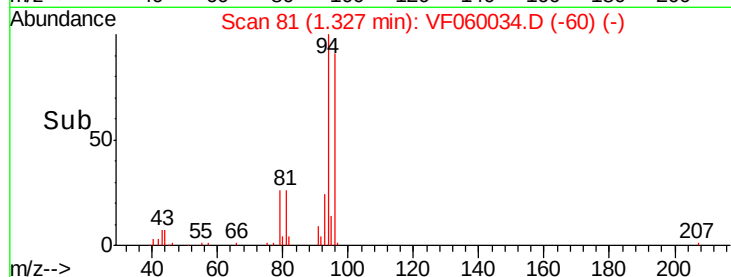
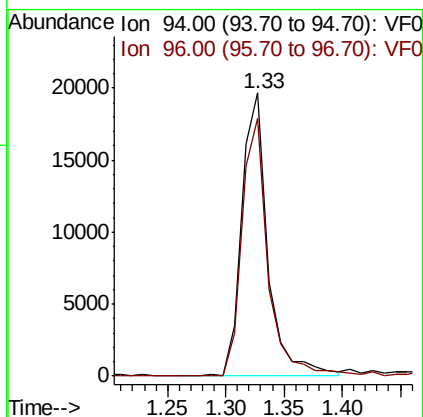
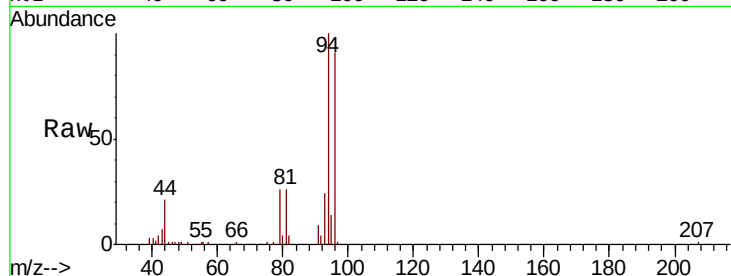
VF0822SBS01

Tgt Ion: 94 Resp: 30444

Ion Ratio Lower Upper

94 100

96 91.2 78.6 118.0



#6

Chloroethane

Concen: 20.195 ug/l

RT: 1.40 min Scan# 88

Delta R.T. 0.00 min

Lab File: VF060034.D

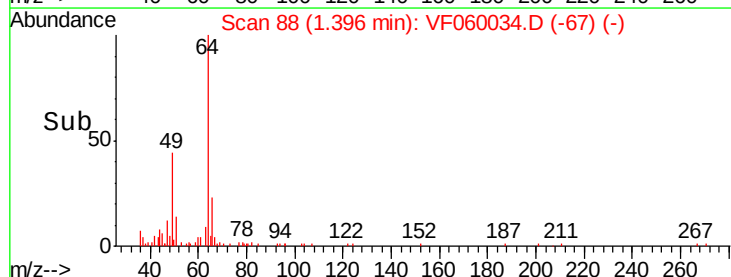
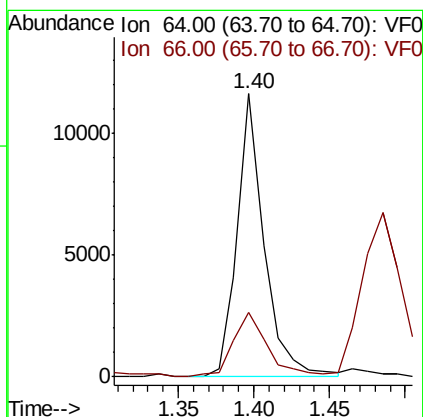
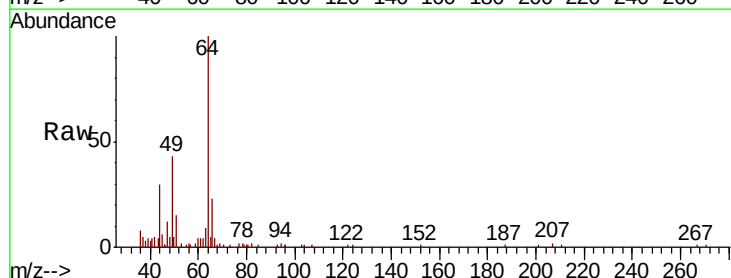
Acq: 22 Aug 2018 12:30

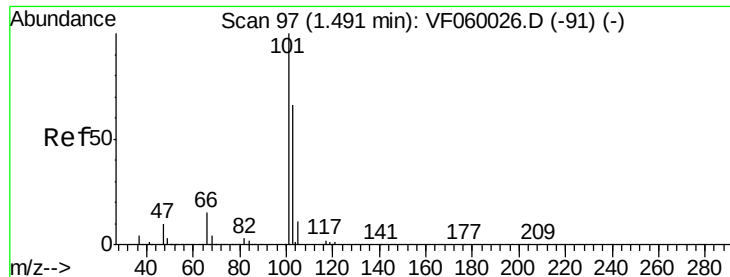
Tgt Ion: 64 Resp: 14385

Ion Ratio Lower Upper

64 100

66 23.0 24.1 36.1#



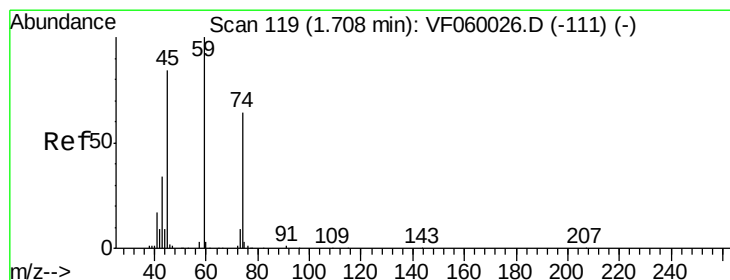
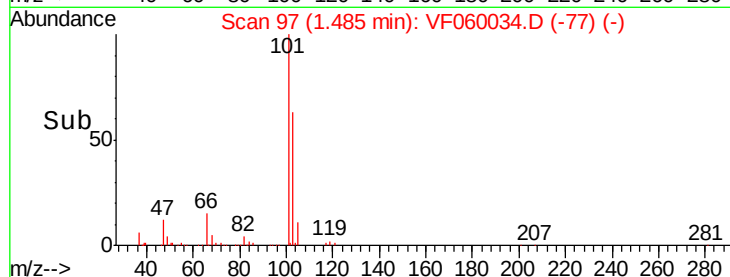
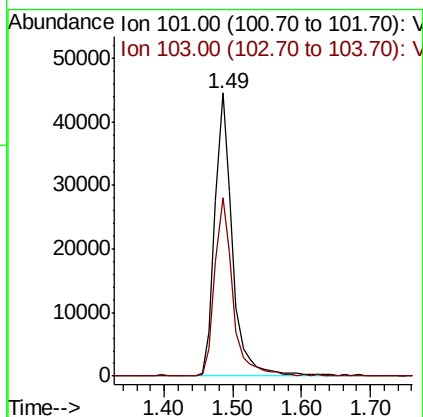
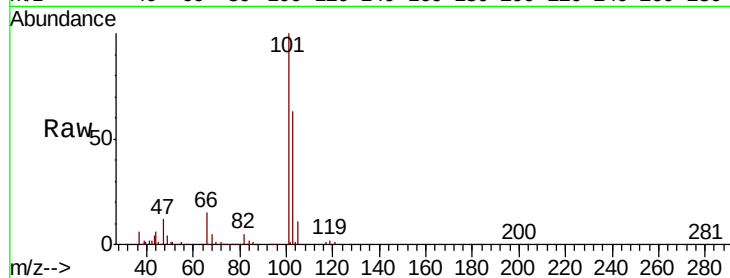


#7

Trichlorofluoromethane
 Concen: 21.710 ug/l
 RT: 1.49 min Scan# 97
 Delta R.T. -0.01 min
 Lab File: VF060034.D
 Acq: 22 Aug 2018 12:30

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0822SBS01

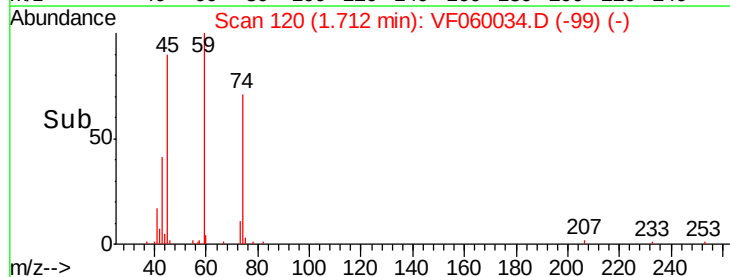
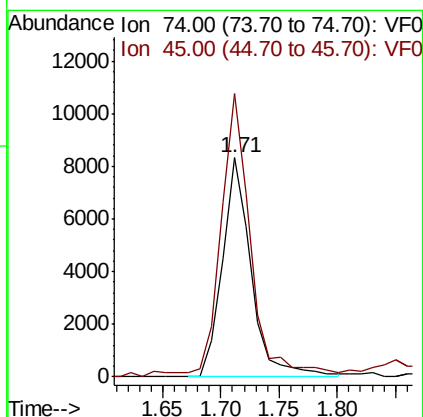
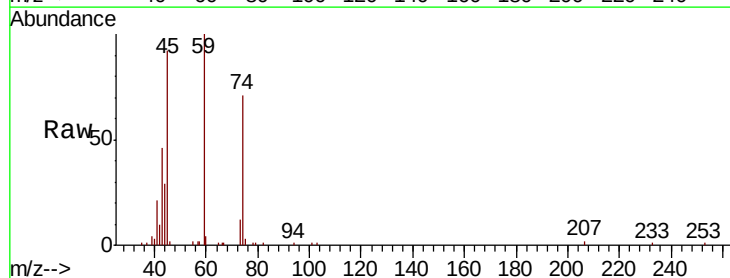
Tgt Ion: 101 Resp: 78886
 Ion Ratio Lower Upper
 101 100
 103 62.4 52.5 78.7

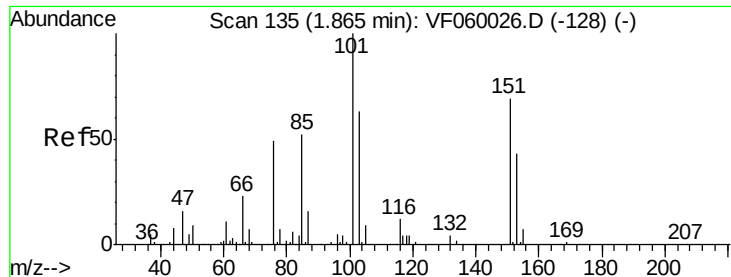


#8

Diethyl Ether
 Concen: 21.926 ug/l
 RT: 1.71 min Scan# 120
 Delta R.T. 0.00 min
 Lab File: VF060034.D
 Acq: 22 Aug 2018 12:30

Tgt Ion: 74 Resp: 14244
 Ion Ratio Lower Upper
 74 100
 45 129.2 66.0 198.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.435 ug/l

RT: 1.87 min Scan# 136

Delta R.T. 0.00 min

Lab File: VF060034.D

Acq: 22 Aug 2018 12:30

Instrument :

MSVOA_F

ClientSampleId :

VF0822SBS01

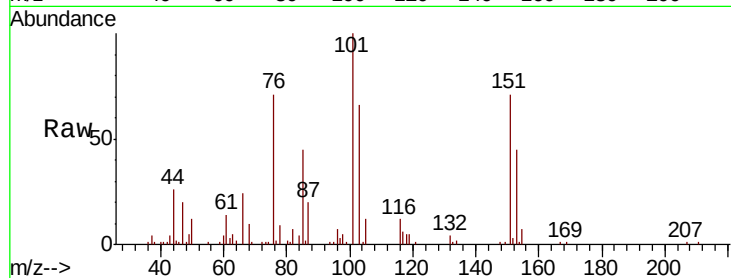
Tgt Ion:101 Resp: 42791

Ion Ratio Lower Upper

101 100

85 44.7 41.5 62.3

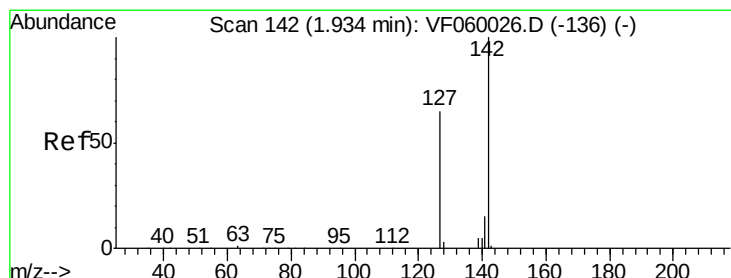
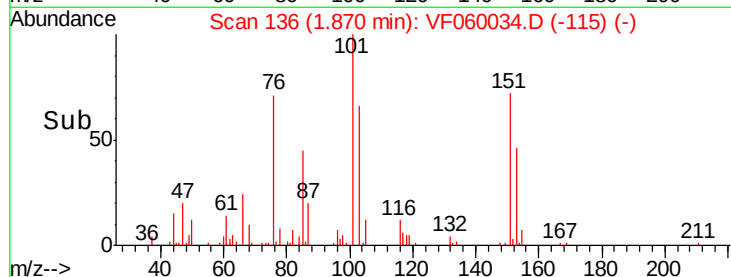
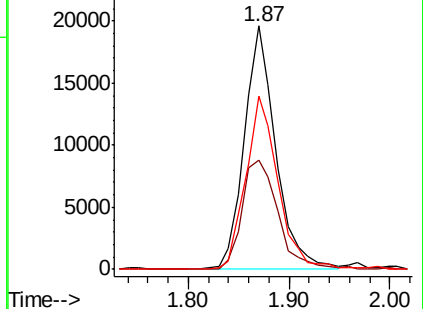
151 71.3 55.2 82.8



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: 21.675 ug/l

RT: 1.94 min Scan# 143

Delta R.T. 0.00 min

Lab File: VF060034.D

Acq: 22 Aug 2018 12:30

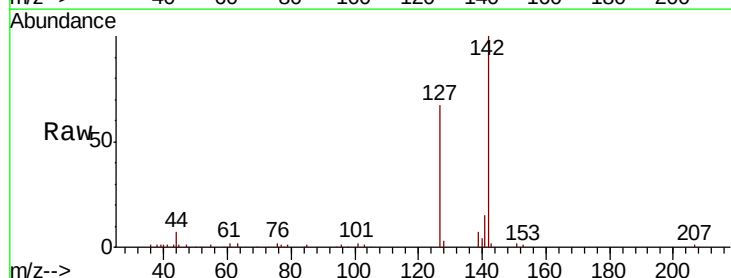
Tgt Ion:142 Resp: 54660

Ion Ratio Lower Upper

142 100

127 67.3 51.8 77.6

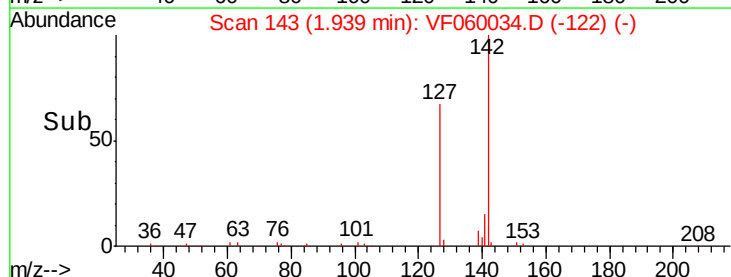
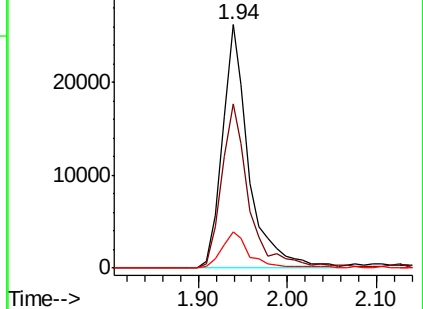
141 15.1 11.9 17.9

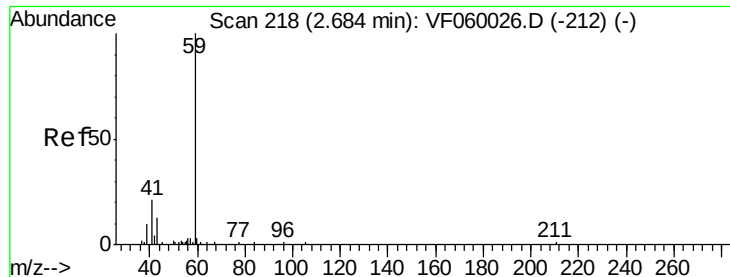


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



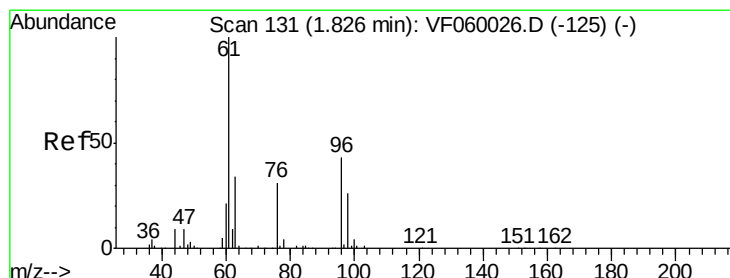
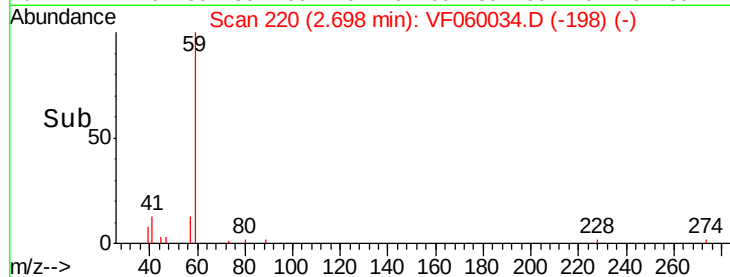
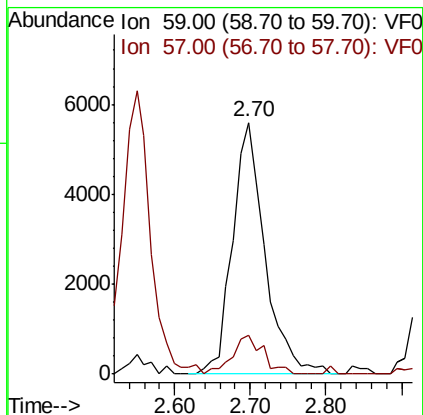
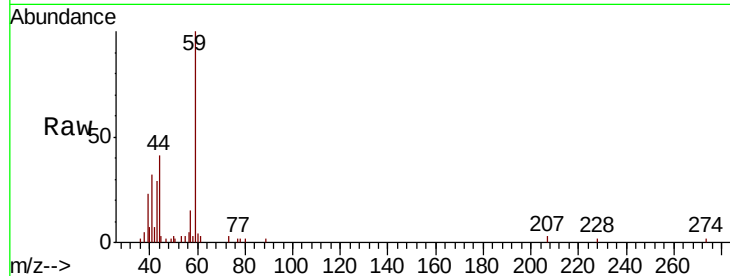


#11

Tert butyl alcohol
 Concen: 102.509 ug/l
 RT: 2.70 min Scan# 220
 Delta R.T. 0.01 min
 Lab File: VF060034.D
 Acq: 22 Aug 2018 12:30

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0822SBS01

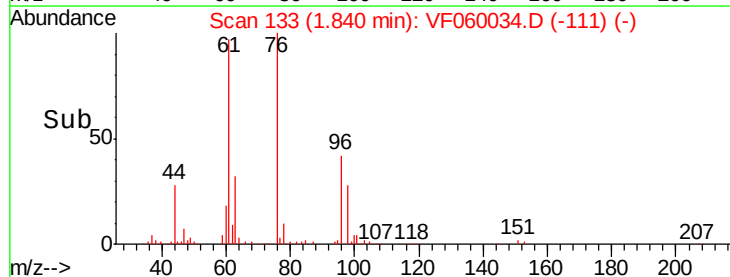
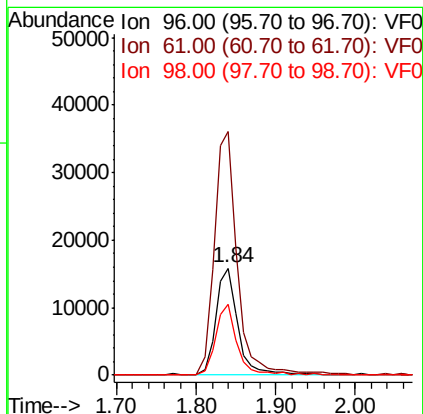
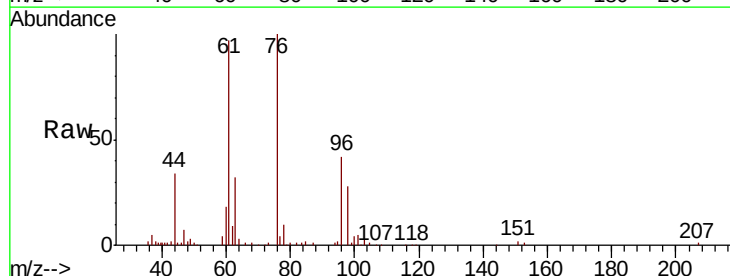
Tgt Ion: 59 Resp: 16499
 Ion Ratio Lower Upper
 59 100
 57 15.2 5.4 8.2#

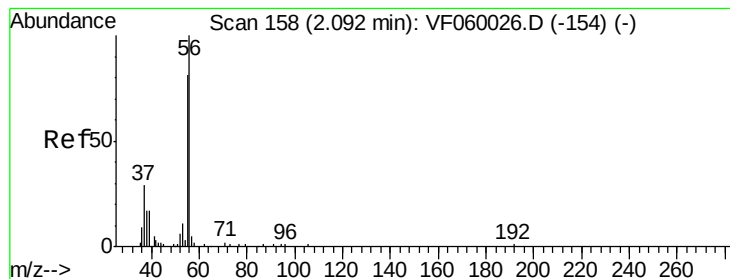


#12

1,1-Dichloroethene
 Concen: 22.168 ug/l
 RT: 1.84 min Scan# 133
 Delta R.T. 0.01 min
 Lab File: VF060034.D
 Acq: 22 Aug 2018 12:30

Tgt Ion: 96 Resp: 31151
 Ion Ratio Lower Upper
 96 100
 61 228.1 185.0 277.6
 98 66.6 47.8 71.8





#13

Acrolein

Concen: 80.716 ug/l

RT: 2.10 min Scan# 159

Delta R.T. 0.00 min

Lab File: VF060034.D

Acq: 22 Aug 2018 12:30

Instrument :

MSVOA_F

ClientSampleId :

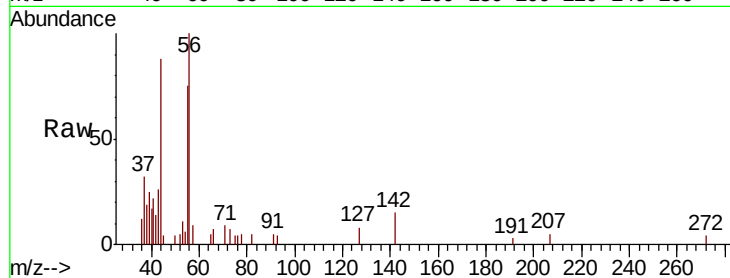
VF0822SBS01

Tgt Ion: 56 Resp: 5978

Ion Ratio Lower Upper

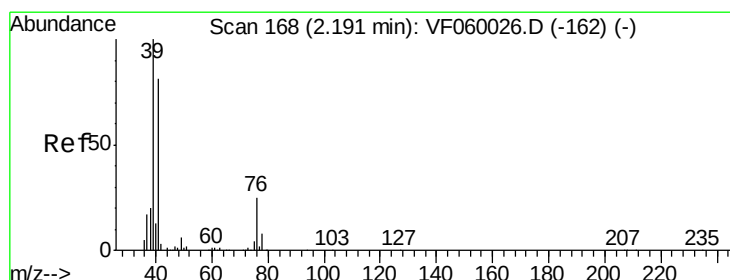
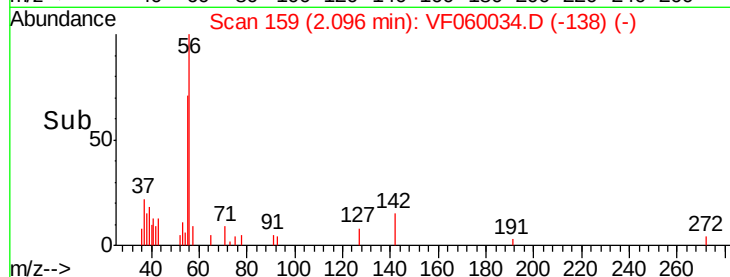
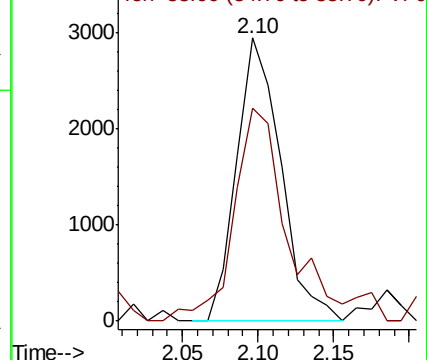
56 100

55 75.5 65.6 98.4



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#14

Allyl chloride

Concen: 21.895 ug/l

RT: 2.19 min Scan# 169

Delta R.T. 0.00 min

Lab File: VF060034.D

Acq: 22 Aug 2018 12:30

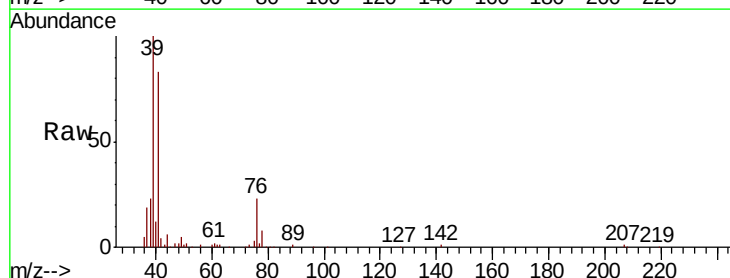
Tgt Ion: 41 Resp: 54644

Ion Ratio Lower Upper

41 100

39 121.0 99.3 148.9

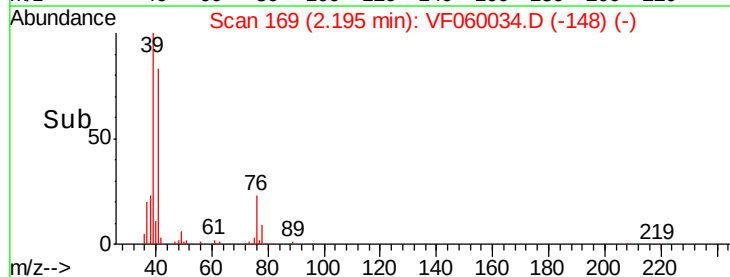
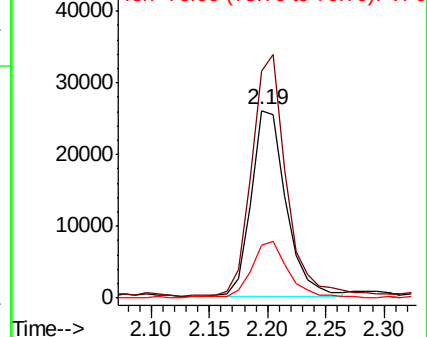
76 28.4 24.3 36.5

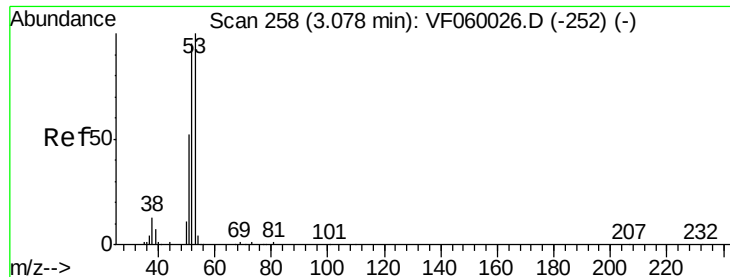


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0





#15

Acrylonitrile

Concen: 100.650 ug/l

RT: 3.09 min Scan# 260

Delta R.T. 0.01 min

Lab File: VF060034.D

Acq: 22 Aug 2018 12:30

Instrument :

MSVOA_F

ClientSampleId :

VF0822SBS01

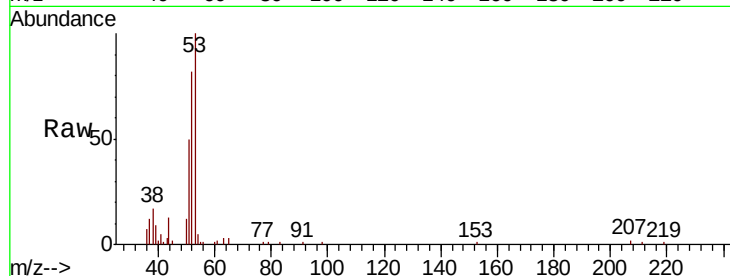
Tgt Ion: 53 Resp: 31969

Ion Ratio Lower Upper

53 100

52 82.2 75.8 113.8

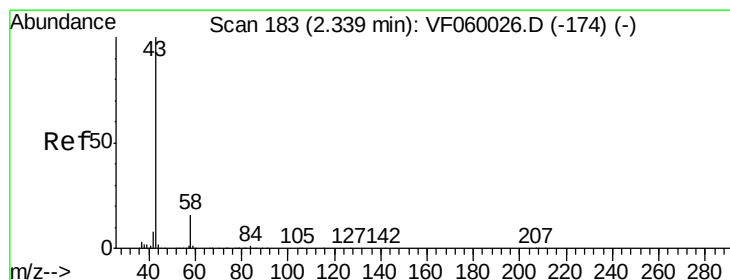
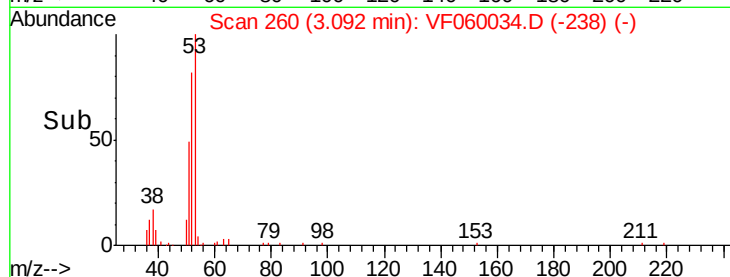
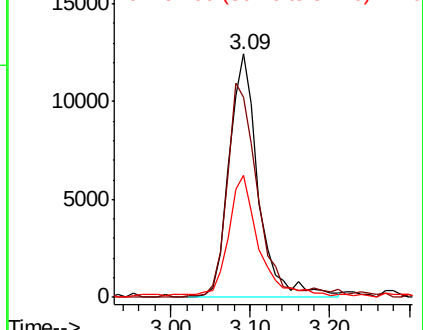
51 49.9 42.1 63.1



Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 121.704 ug/l

RT: 2.35 min Scan# 185

Delta R.T. 0.01 min

Lab File: VF060034.D

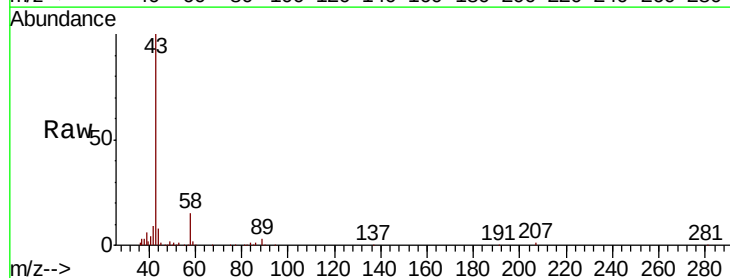
Acq: 22 Aug 2018 12:30

Tgt Ion: 43 Resp: 96773

Ion Ratio Lower Upper

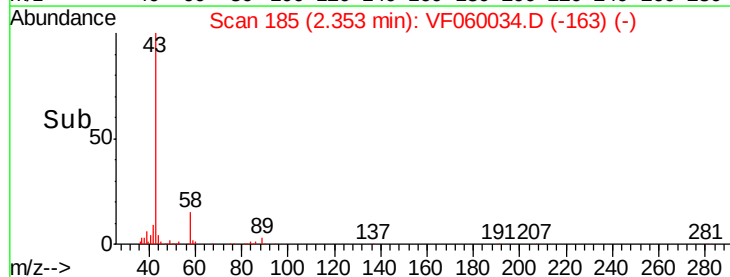
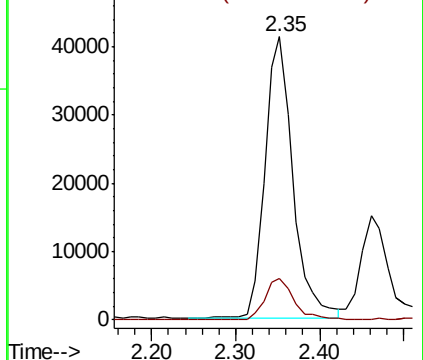
43 100

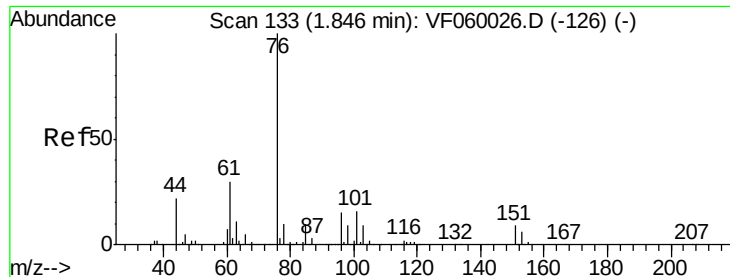
58 14.8 12.6 19.0



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

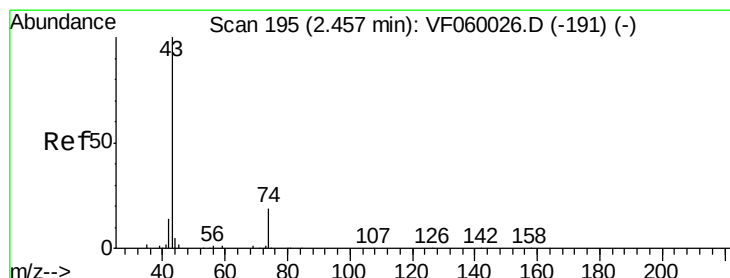
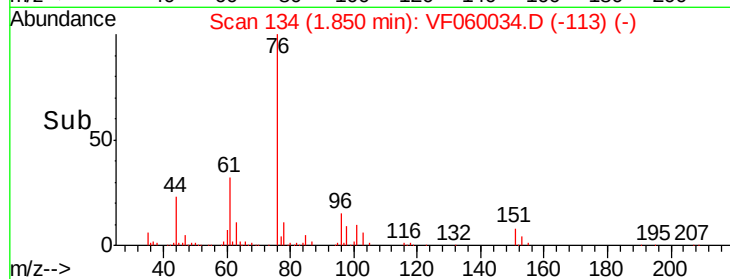
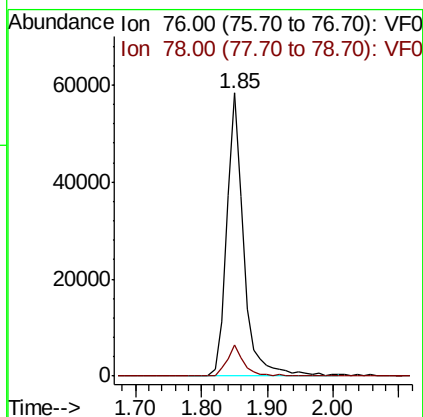
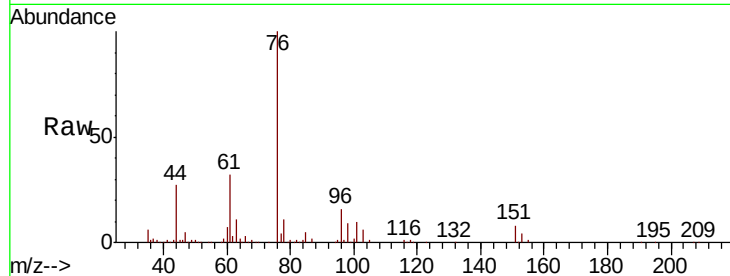




#17
Carbon Disulfide
Concen: 24.003 ug/l
RT: 1.85 min Scan# 134
Delta R.T. 0.00 min
Lab File: VF060034.D
Acq: 22 Aug 2018 12:30

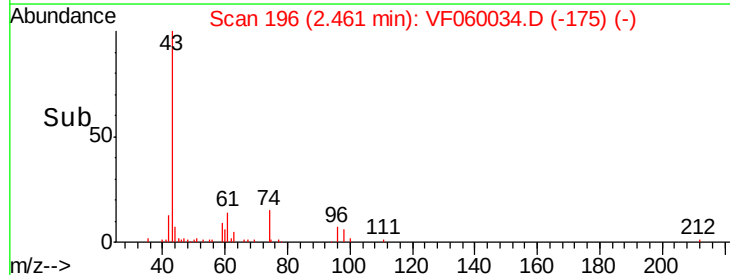
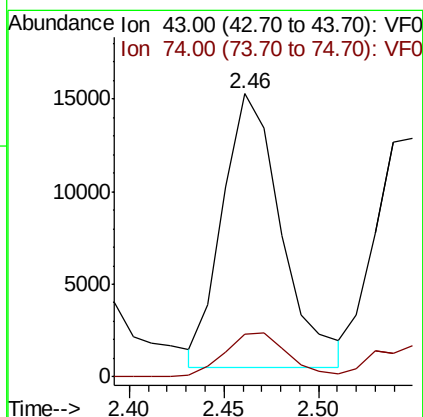
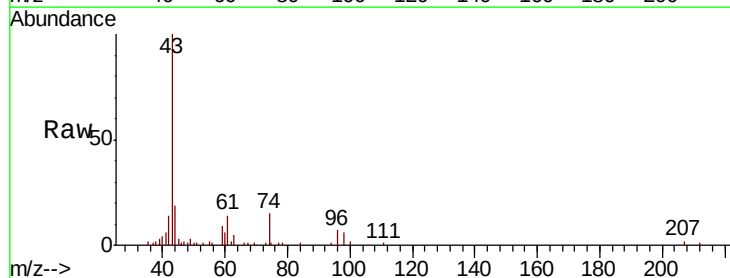
Instrument :
MSVOA_F
ClientSampleId :
VF0822SBS01

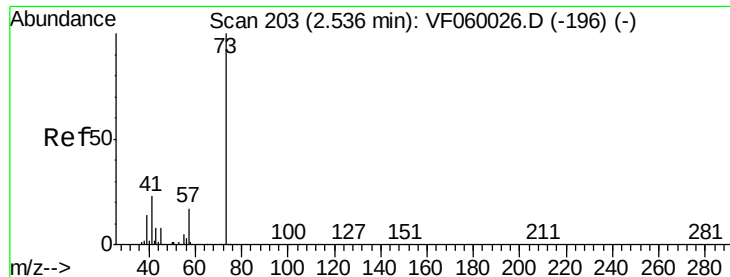
Tgt Ion: 76 Resp: 105606
Ion Ratio Lower Upper
76 100
78 10.9 8.4 12.6



#18
Methyl Acetate
Concen: 21.062 ug/l
RT: 2.46 min Scan# 196
Delta R.T. 0.00 min
Lab File: VF060034.D
Acq: 22 Aug 2018 12:30

Tgt Ion: 43 Resp: 31839
Ion Ratio Lower Upper
43 100
74 15.1 13.8 20.6



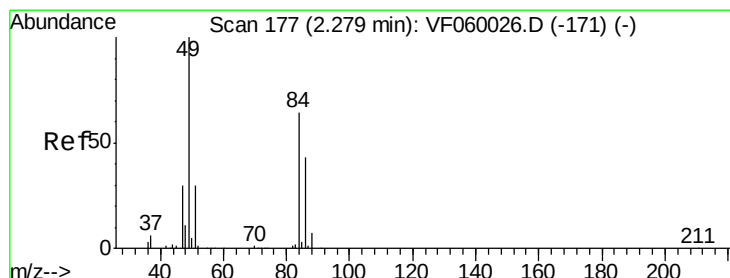
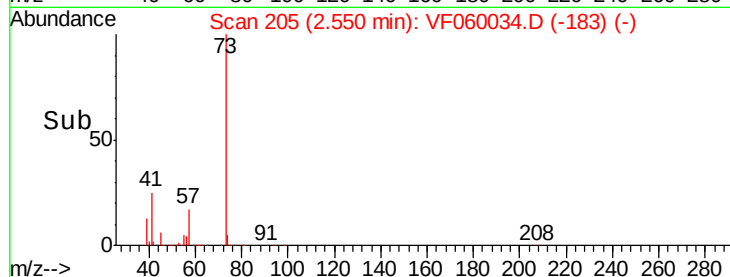
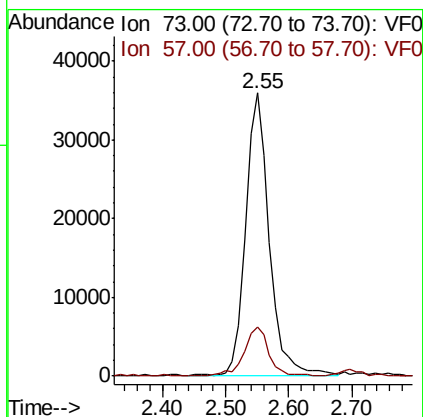
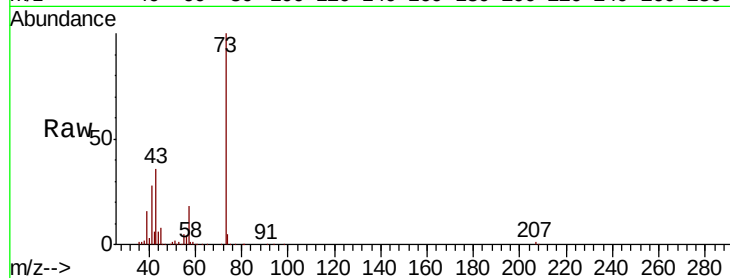


#19

Methyl tert-butyl Ether
 Concen: 20.519 ug/l
 RT: 2.55 min Scan# 205
 Delta R.T. 0.01 min
 Lab File: VF060034.D
 Acq: 22 Aug 2018 12:30

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0822SBS01

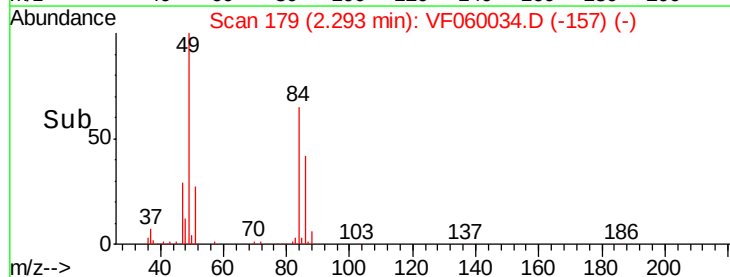
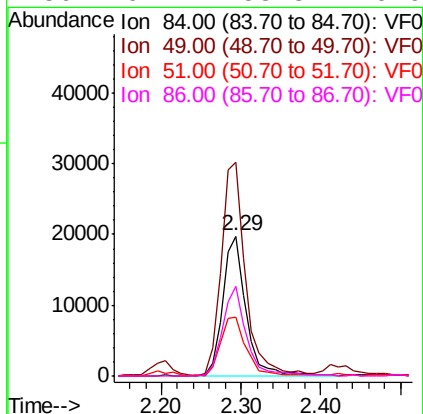
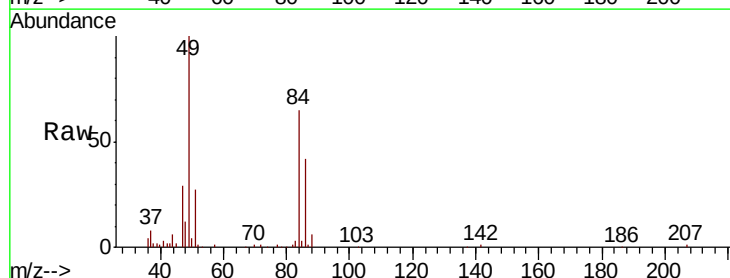
Tgt Ion: 73 Resp: 92382
 Ion Ratio Lower Upper
 73 100
 57 17.5 13.7 20.5

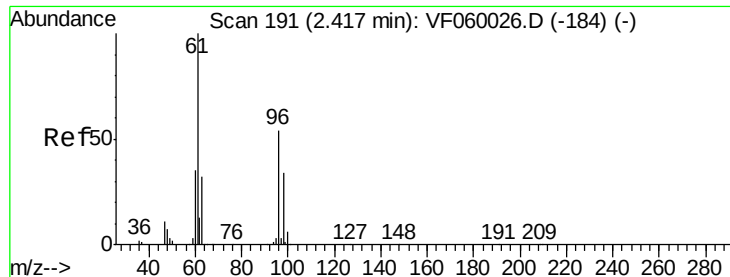


#20

Methylene Chloride
 Concen: 23.398 ug/l
 RT: 2.29 min Scan# 179
 Delta R.T. 0.01 min
 Lab File: VF060034.D
 Acq: 22 Aug 2018 12:30

Tgt Ion: 84 Resp: 40911
 Ion Ratio Lower Upper
 84 100
 49 152.7 125.4 188.0
 51 41.9 38.3 57.5
 86 64.4 53.3 79.9





#21

trans-1,2-Dichloroethene

Concen: 21.312 ug/l

RT: 2.42 min Scan# 192

Delta R.T. 0.00 min

Lab File: VF060034.D

Acq: 22 Aug 2018 12:30

Instrument :

MSVOA_F

ClientSampleId :

VF0822SBS01

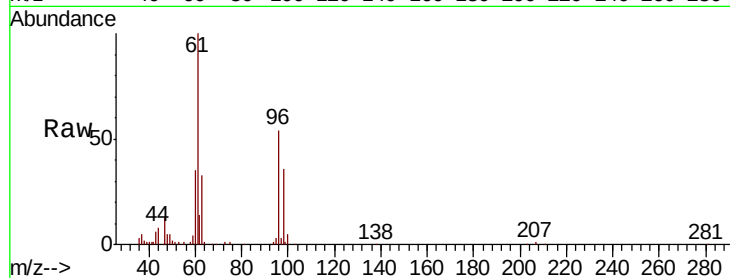
Tgt Ion: 96 Resp: 33510

Ion Ratio Lower Upper

96 100

61 184.3 147.4 221.0

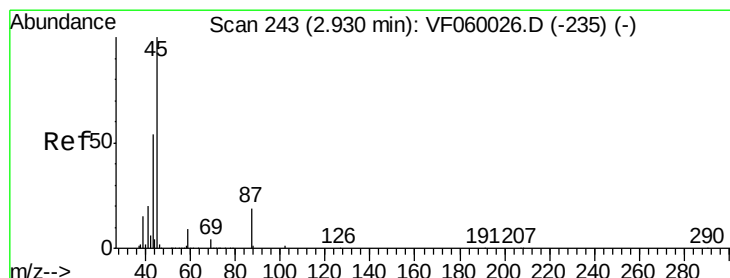
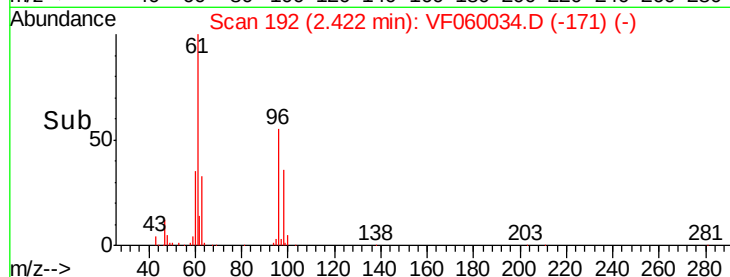
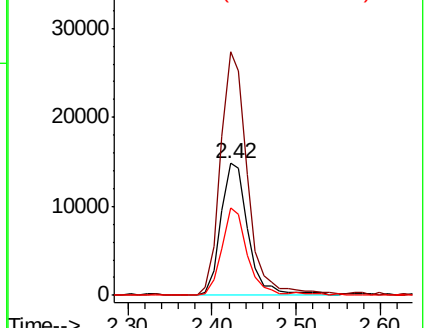
98 65.9 49.8 74.6



Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#22

Diisopropyl ether

Concen: 19.639 ug/l

RT: 2.94 min Scan# 245

Delta R.T. 0.01 min

Lab File: VF060034.D

Acq: 22 Aug 2018 12:30

Tgt Ion: 45 Resp: 109750

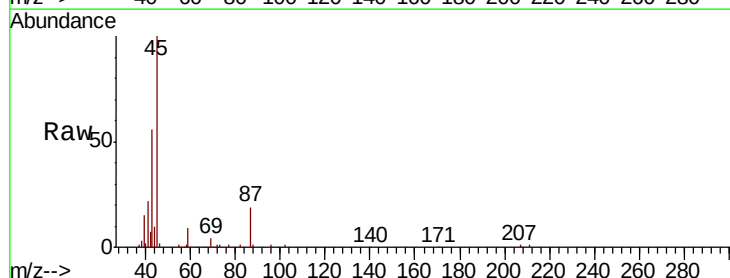
Ion Ratio Lower Upper

45 100

43 56.2 43.4 65.2

87 19.2 15.4 23.2

59 9.0 7.5 11.3

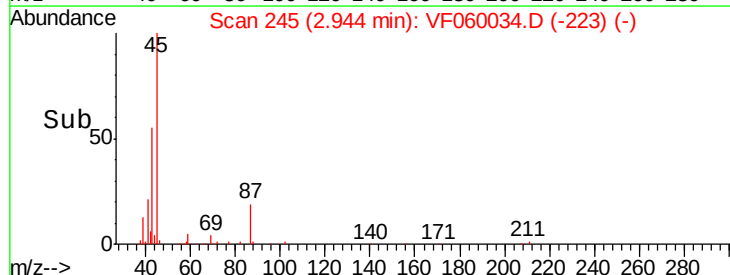
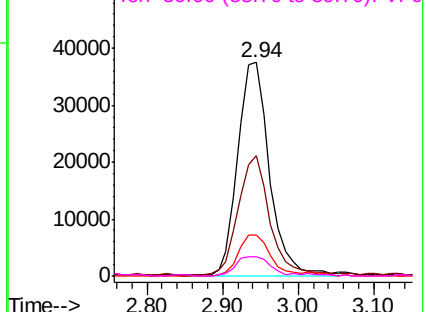


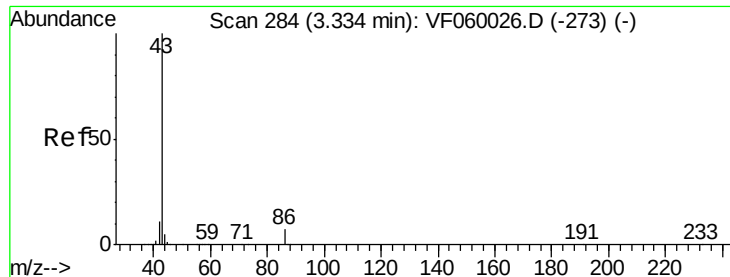
Abundance Ion 45.00 (44.70 to 45.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

Ion 59.00 (58.70 to 59.70): VF0





#23

Vinyl Acetate

Concen: 113.652 ug/l

RT: 3.35 min Scan# 286

Delta R.T. 0.01 min

Lab File: VF060034.D

Acq: 22 Aug 2018 12:30

Instrument :

MSVOA_F

ClientSampleId :

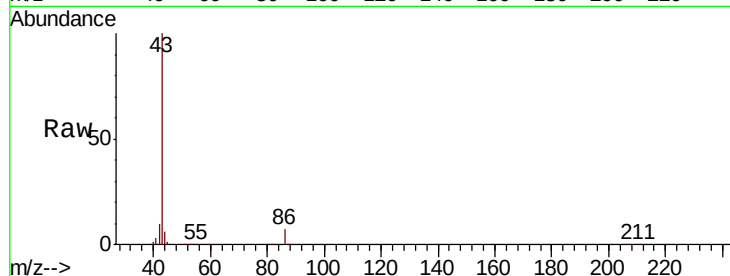
VF0822SBS01

Tgt Ion: 43 Resp: 336476

Ion Ratio Lower Upper

43 100

86 7.1 5.6 8.4



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

3.35

150000

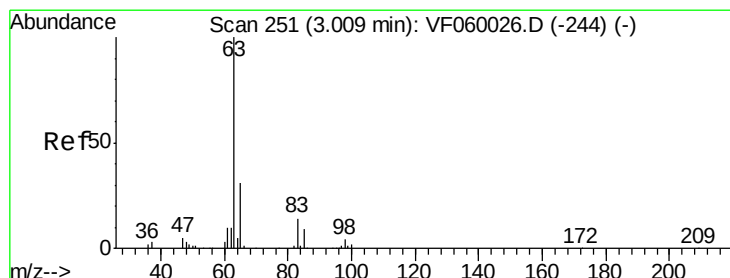
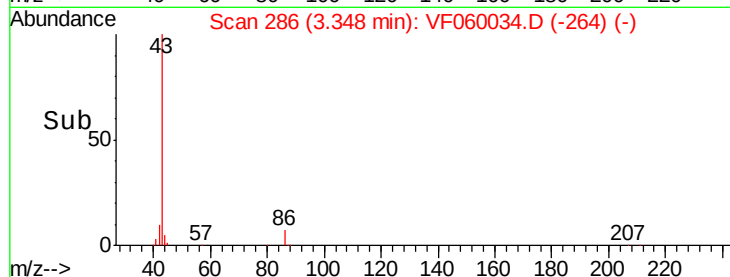
100000

50000

0

Time-->

3.20 3.30 3.40 3.50



#24

1,1-Dichloroethane

Concen: 21.675 ug/l

RT: 3.02 min Scan# 253

Delta R.T. 0.01 min

Lab File: VF060034.D

Acq: 22 Aug 2018 12:30

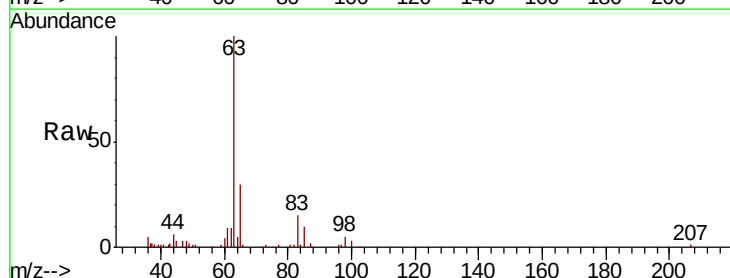
Tgt Ion: 63 Resp: 74830

Ion Ratio Lower Upper

63 100

98 5.0 2.1 6.5

100 2.8 1.1 3.3



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

3.02

40000

30000

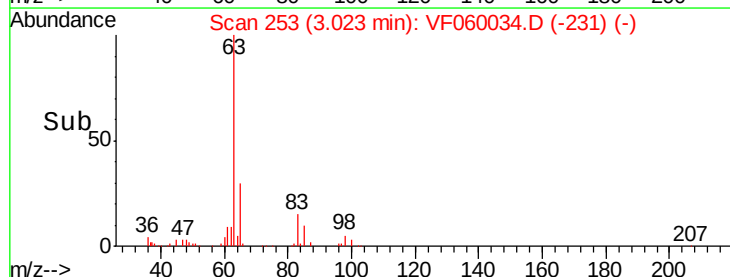
20000

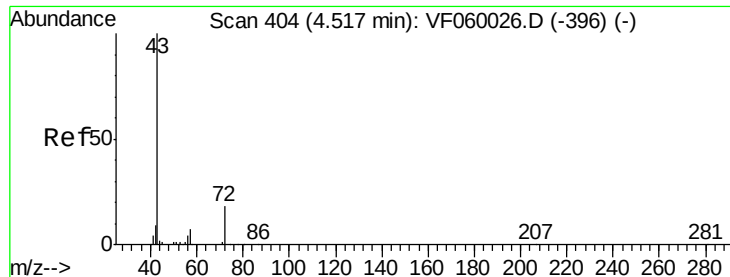
10000

0

Time-->

2.90 3.00 3.10 3.20

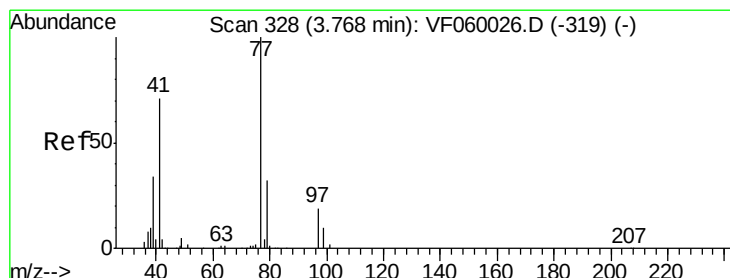
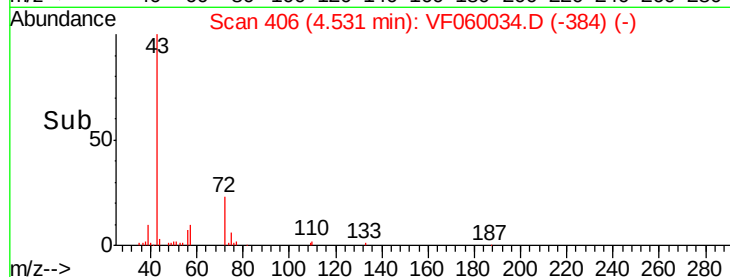
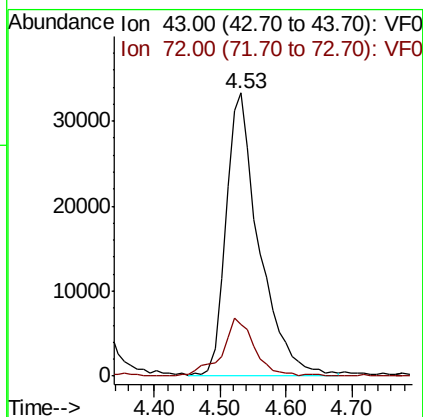
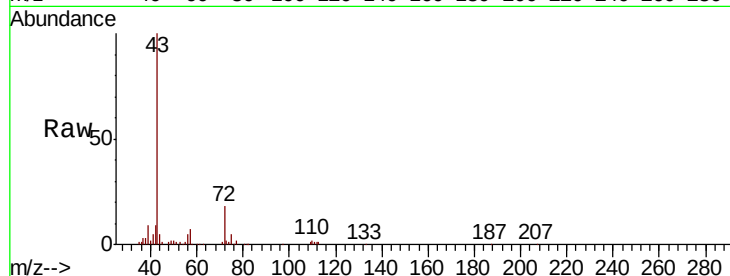




#25
2-Butanone
Concen: 112.485 ug/l
RT: 4.53 min Scan# 406
Delta R.T. 0.01 min
Lab File: VF060034.D
Acq: 22 Aug 2018 12:30

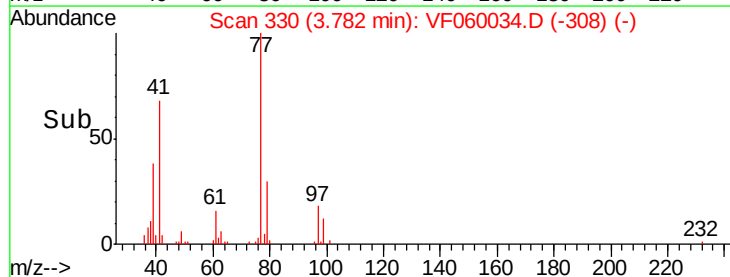
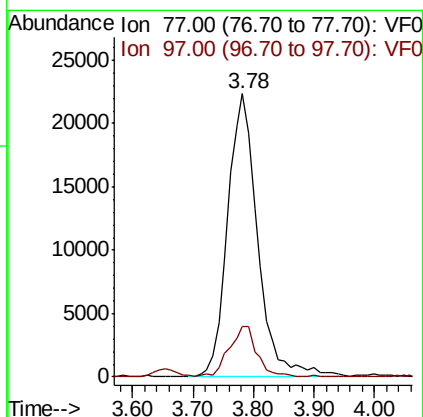
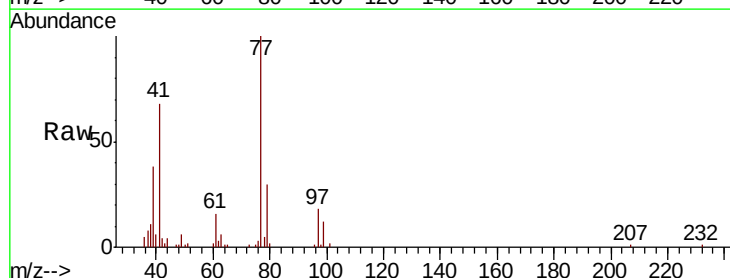
Instrument :
MSVOA_F
ClientSampleId :
VF0822SBS01

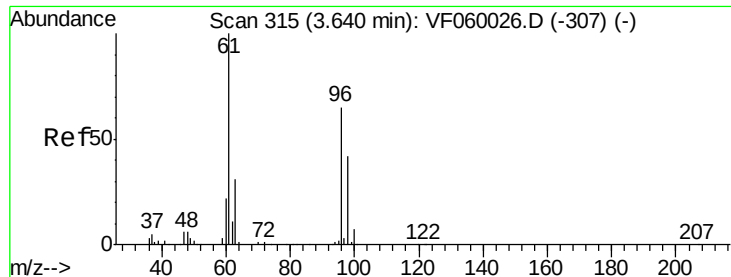
Tgt Ion: 43 Resp: 116180
Ion Ratio Lower Upper
43 100
72 18.5 15.0 22.6



#26
2,2-Dichloropropane
Concen: 21.572 ug/l
RT: 3.78 min Scan# 330
Delta R.T. 0.01 min
Lab File: VF060034.D
Acq: 22 Aug 2018 12:30

Tgt Ion: 77 Resp: 77051
Ion Ratio Lower Upper
77 100
97 17.9 9.7 29.1



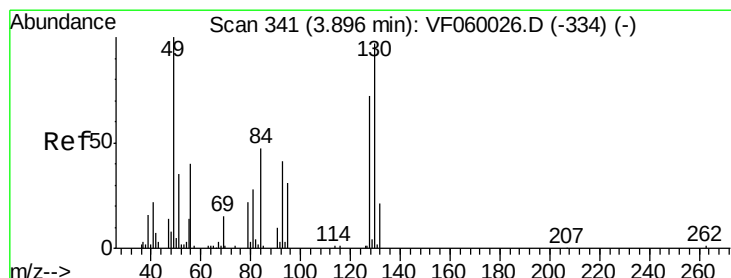
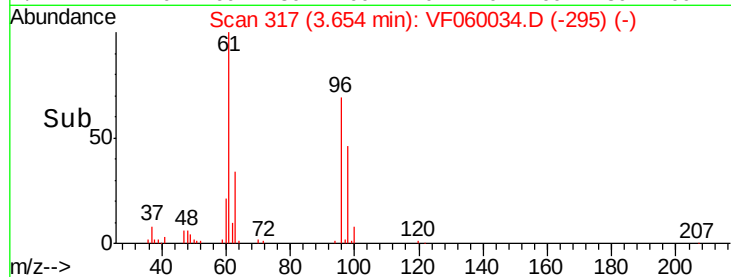
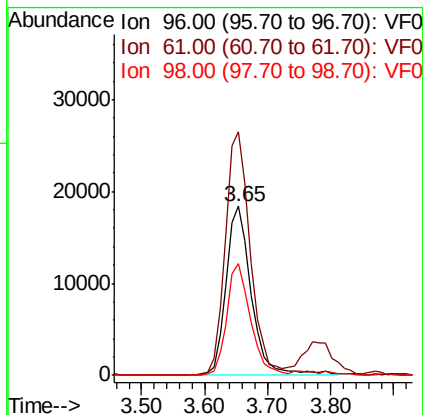
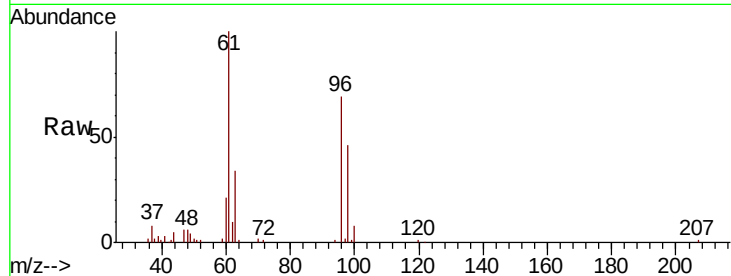


#27

cis-1,2-Dichloroethene
 Concen: 22.959 ug/l
 RT: 3.65 min Scan# 317
 Delta R.T. 0.01 min
 Lab File: VF060034.D
 Acq: 22 Aug 2018 12:30

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0822SBS01

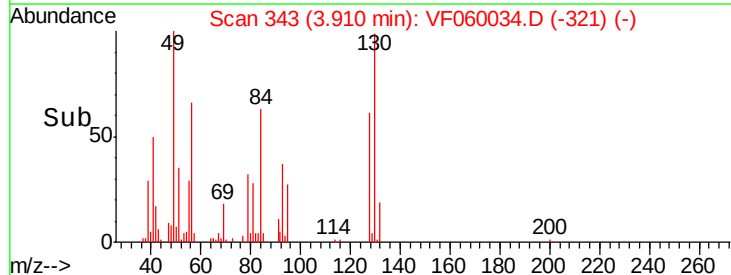
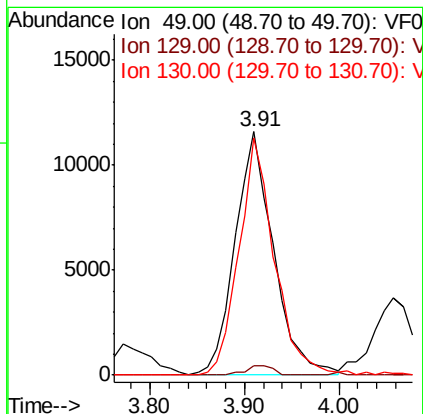
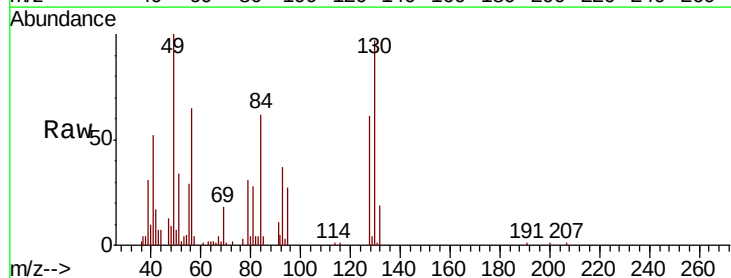
Tgt Ion	Ratio	Lower	Upper
96	100		
61	144.2	0.0	307.6
98	65.9	0.0	128.4

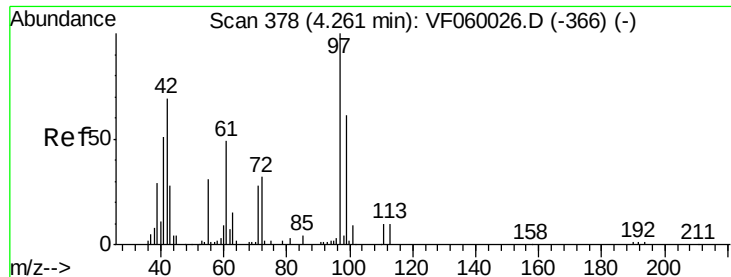


#28

Bromochloromethane
 Concen: 22.436 ug/l
 RT: 3.91 min Scan# 343
 Delta R.T. 0.01 min
 Lab File: VF060034.D
 Acq: 22 Aug 2018 12:30

Tgt Ion	Ratio	Lower	Upper
49	100		
129	4.0	0.0	7.4
130	97.2	78.0	117.0





#29

Tetrahydrofuran

Concen: 101.875 ug/l

RT: 4.27 min Scan# 380

Delta R.T. 0.01 min

Lab File: VF060034.D

Acq: 22 Aug 2018 12:30

Instrument :

MSVOA_F

ClientSampleId :

VF0822SBS01

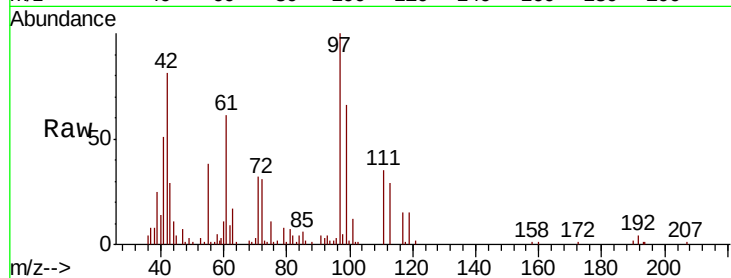
Tgt Ion: 42 Resp: 39727

Ion Ratio Lower Upper

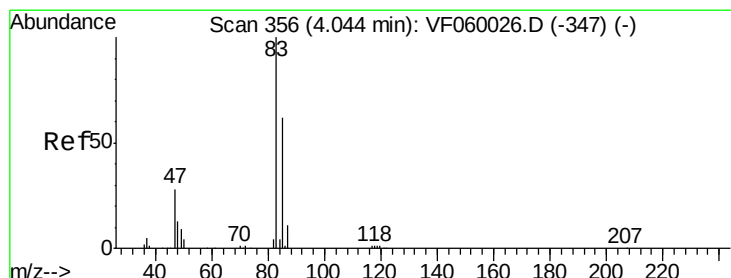
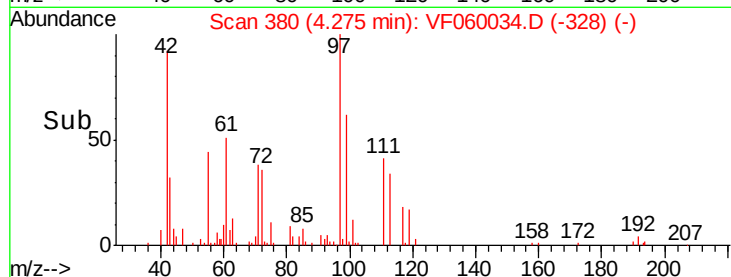
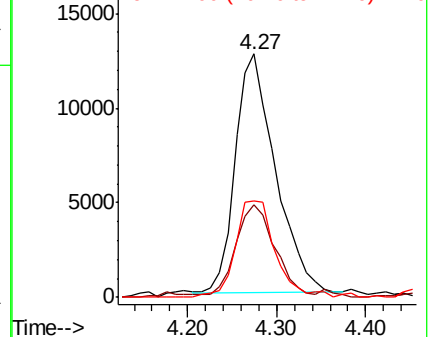
42 100

72 38.4 31.4 47.2

71 40.1 29.7 44.5



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: 20.840 ug/l

RT: 4.06 min Scan# 358

Delta R.T. 0.01 min

Lab File: VF060034.D

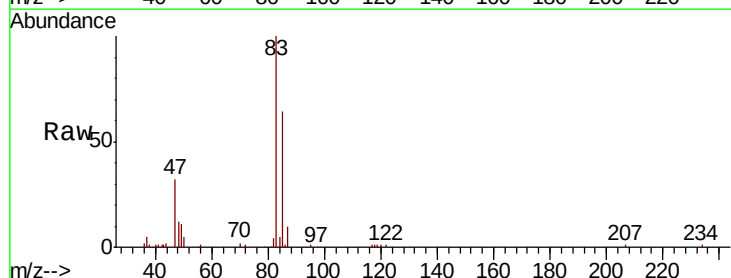
Acq: 22 Aug 2018 12:30

Tgt Ion: 83 Resp: 100991

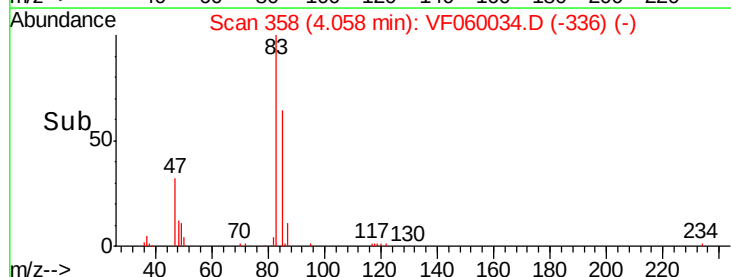
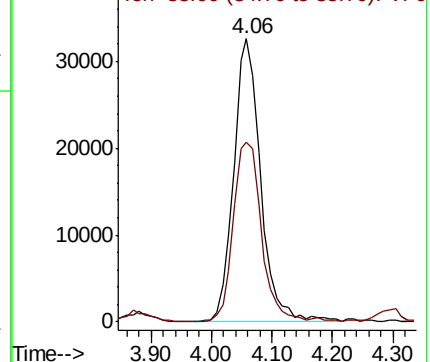
Ion Ratio Lower Upper

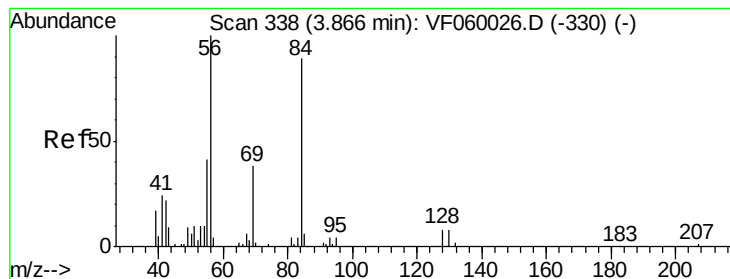
83 100

85 63.5 49.5 74.3



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





#31

Cyclohexane

Concen: 23.579 ug/l

RT: 3.87 min Scan# 339

Delta R.T. 0.00 min

Lab File: VF060034.D

Acq: 22 Aug 2018 12:30

Instrument :

MSVOA_F

ClientSampleId :

VF0822SBS01

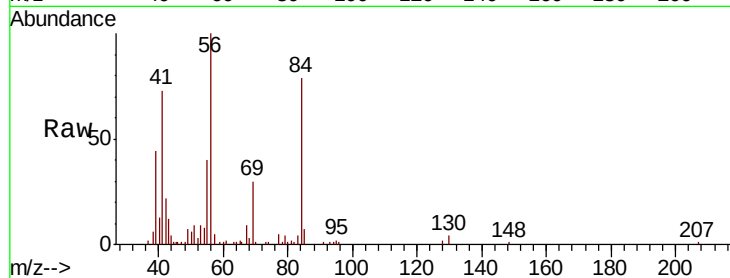
Tgt Ion: 56 Resp: 62026

Ion Ratio Lower Upper

56 100

69 30.3 30.4 45.6#

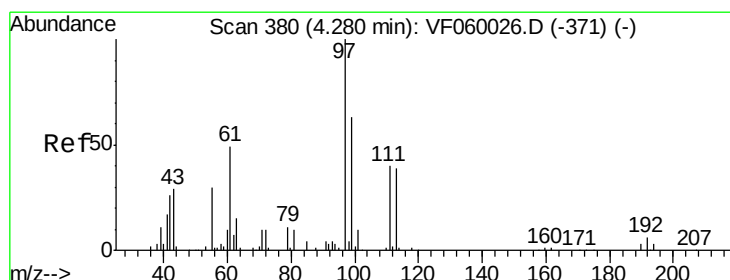
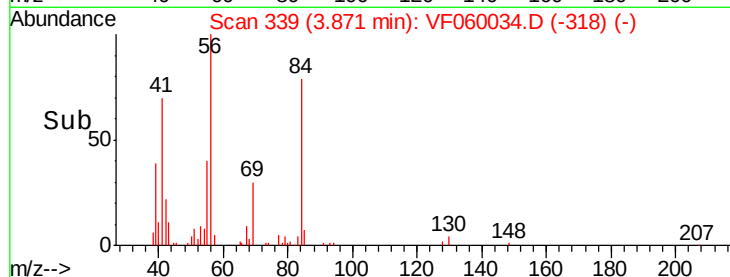
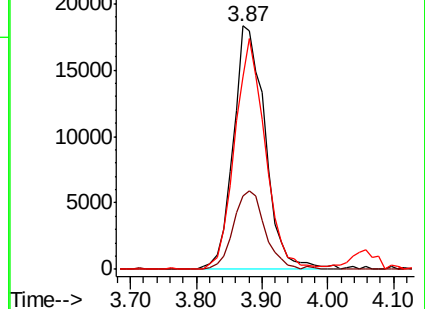
84 79.2 71.4 107.2



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 84.00 (83.70 to 84.70): VF0



#32

1,1,1-Trichloroethane

Concen: 21.262 ug/l

RT: 4.29 min Scan# 382

Delta R.T. 0.01 min

Lab File: VF060034.D

Acq: 22 Aug 2018 12:30

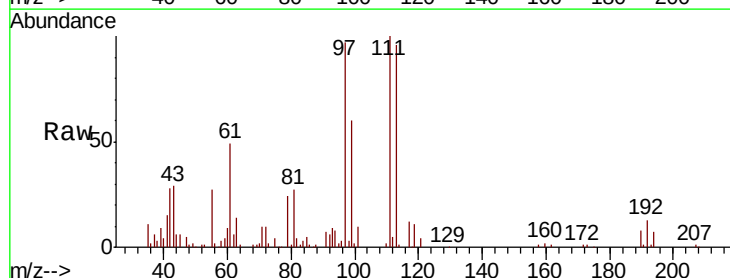
Tgt Ion: 97 Resp: 88235

Ion Ratio Lower Upper

97 100

99 61.4 50.3 75.5

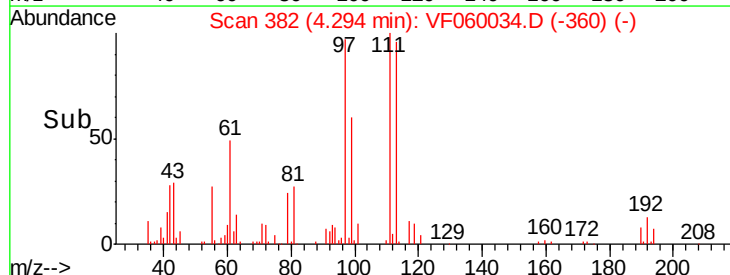
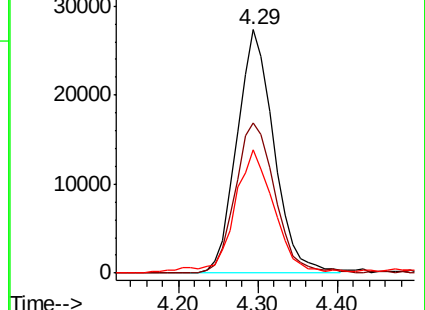
61 50.6 40.3 60.5

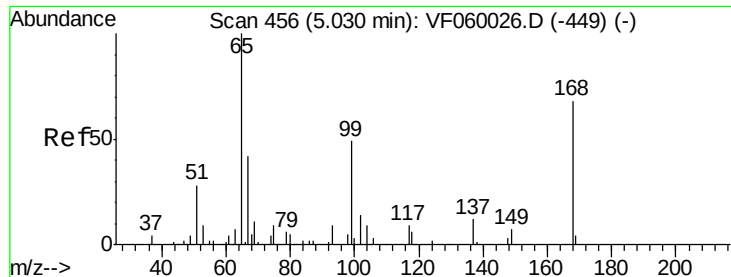


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#33

1,2-Dichloroethane-d4

Concen: 51.144 ug/l

RT: 5.04 min Scan# 458

Delta R.T. 0.01 min

Lab File: VF060034.D

Acq: 22 Aug 2018 12:30

Instrument :

MSVOA_F

ClientSampleId :

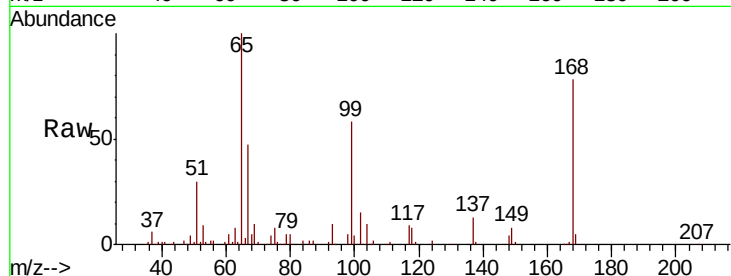
VF0822SBS01

Tgt Ion: 65 Resp: 154733

Ion Ratio Lower Upper

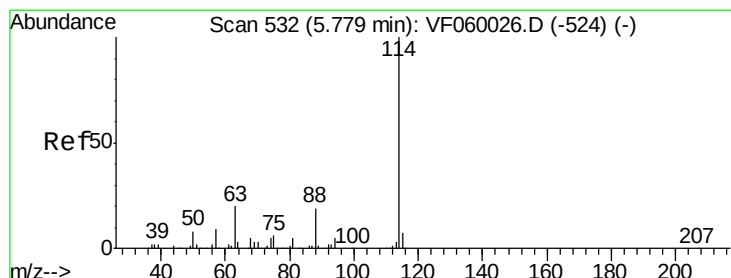
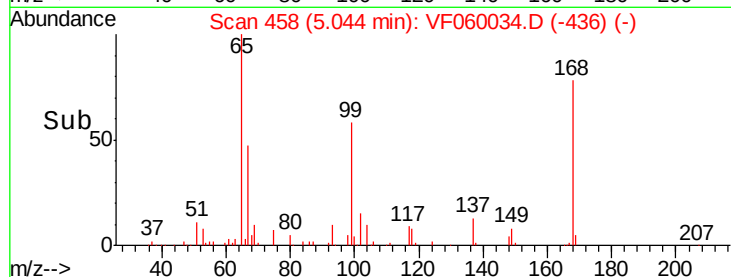
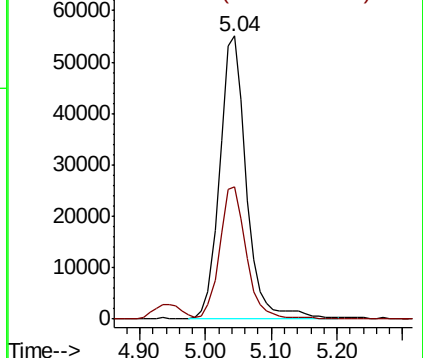
65 100

67 46.6 0.0 92.0



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.78 min Scan# 533

Delta R.T. 0.00 min

Lab File: VF060034.D

Acq: 22 Aug 2018 12:30

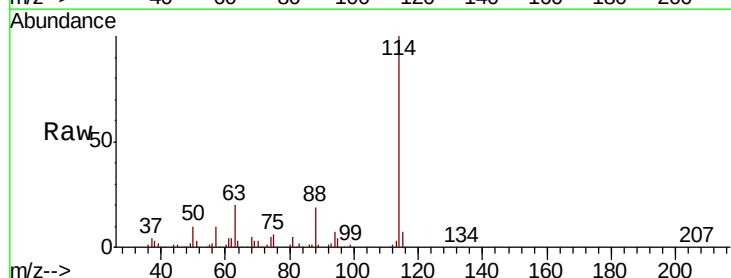
Tgt Ion: 114 Resp: 351783

Ion Ratio Lower Upper

114 100

63 20.3 0.0 40.4

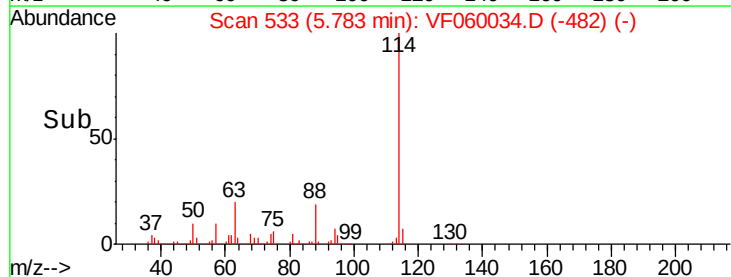
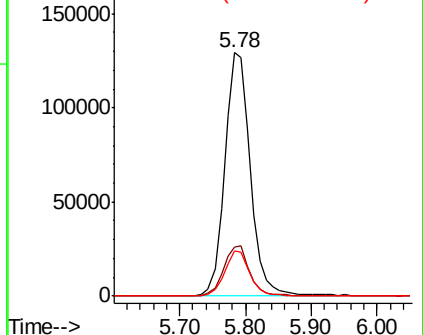
88 18.8 0.0 38.6

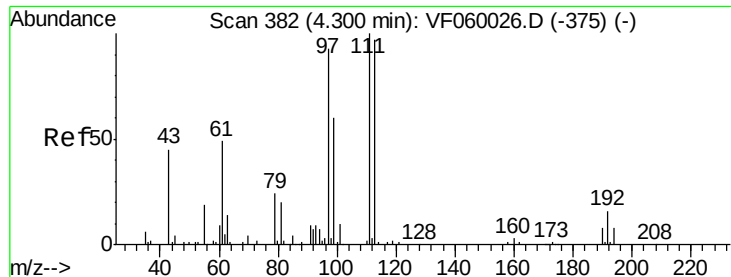


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

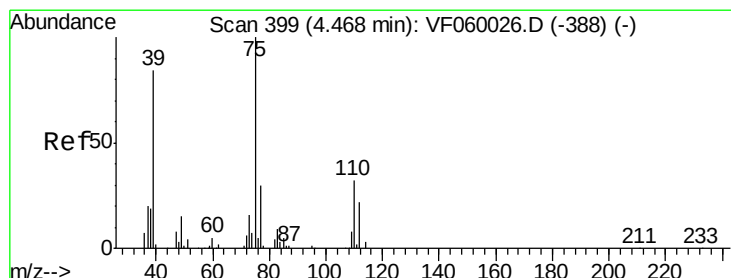
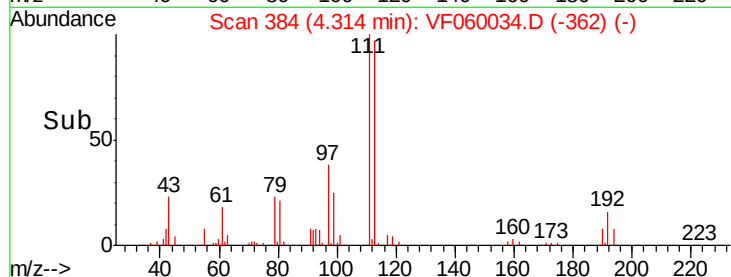
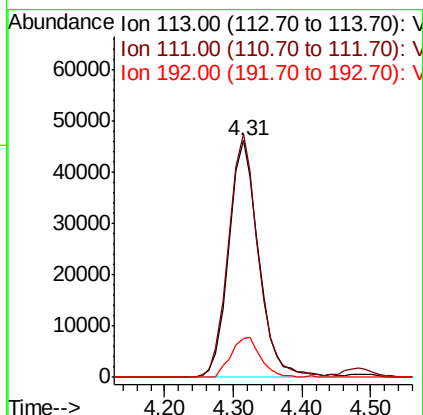
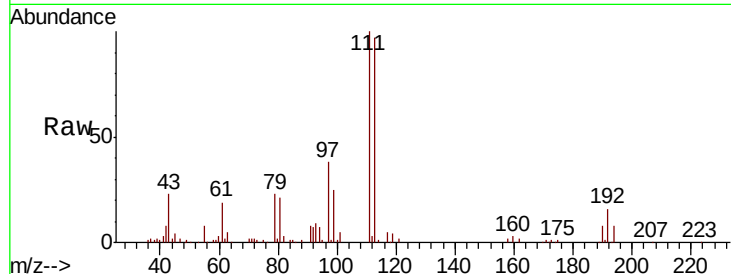




#35
 Dibromofluoromethane
 Concen: 50.544 ug/l
 RT: 4.31 min Scan# 384
 Delta R.T. 0.01 min
 Lab File: VF060034.D
 Acq: 22 Aug 2018 12:30

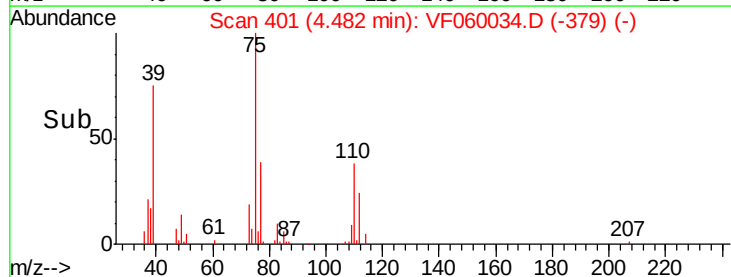
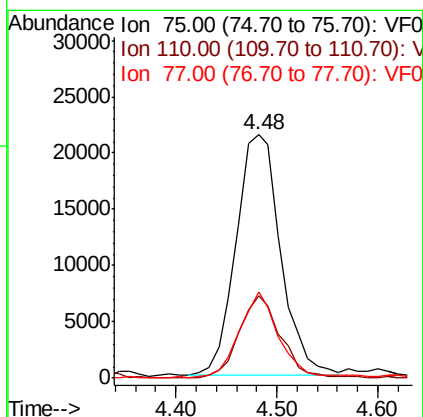
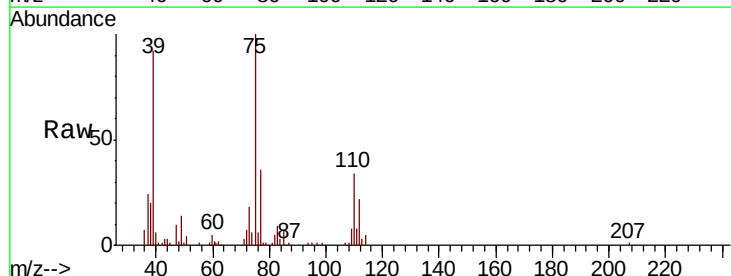
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0822SBS01

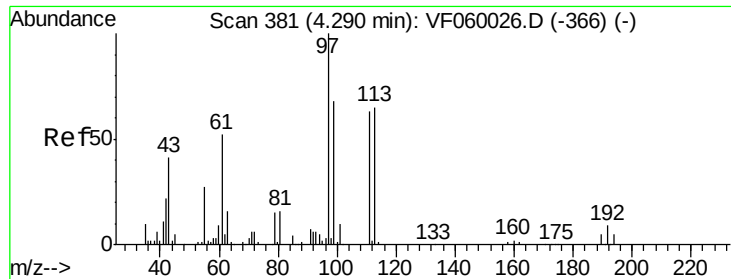
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.7	82.7	124.1
192	16.5	13.0	19.4



#36
 1,1-Dichloropropene
 Concen: 19.975 ug/l
 RT: 4.48 min Scan# 401
 Delta R.T. 0.01 min
 Lab File: VF060034.D
 Acq: 22 Aug 2018 12:30

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.9	16.0	47.9
77	35.5	24.1	36.1

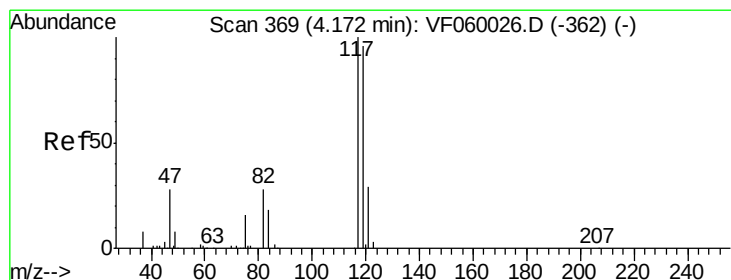
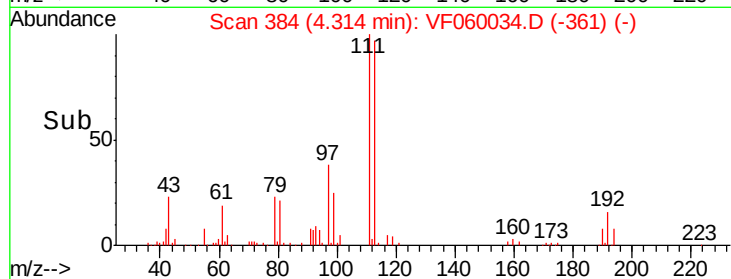
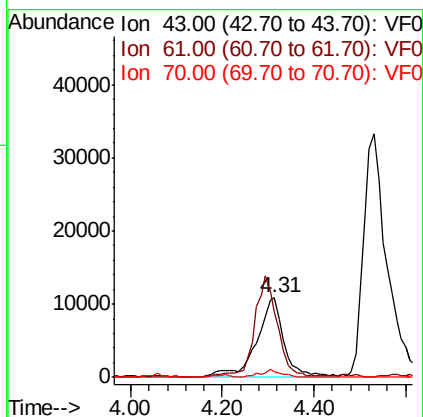
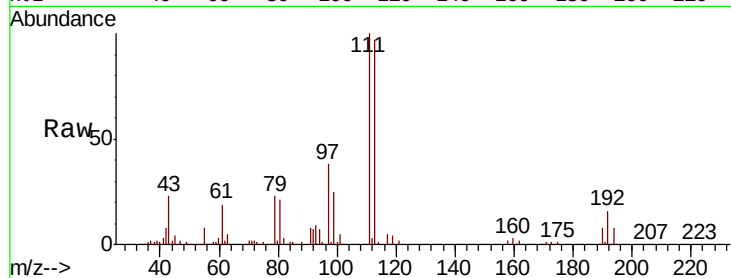




#37
Ethyl Acetate
Concen: 23.067 ug/l
RT: 4.31 min Scan# 384
Delta R.T. 0.02 min
Lab File: VF060034.D
Acq: 22 Aug 2018 12:30

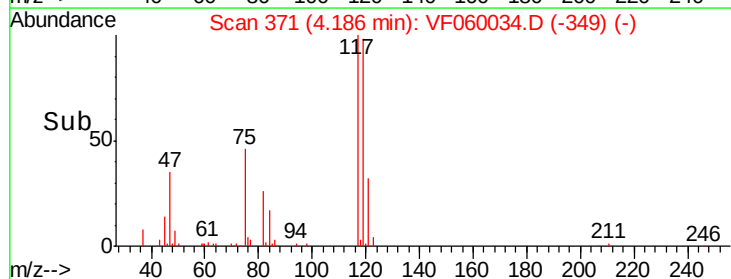
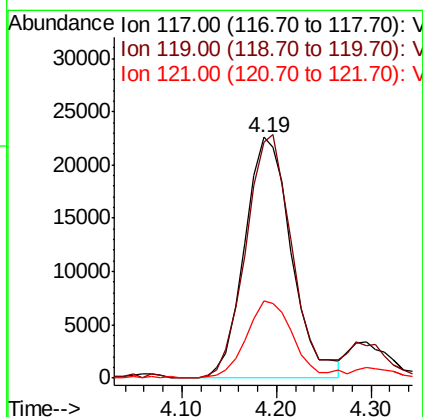
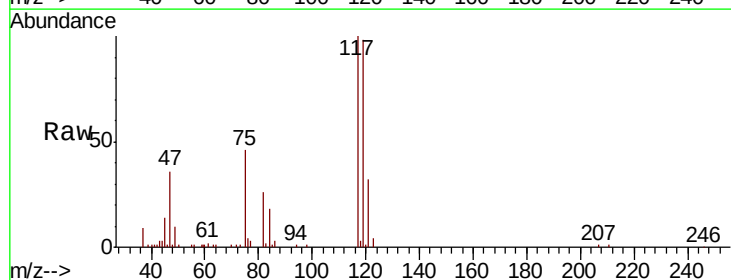
Instrument :
MSVOA_F
ClientSampleId :
VF0822SBS01

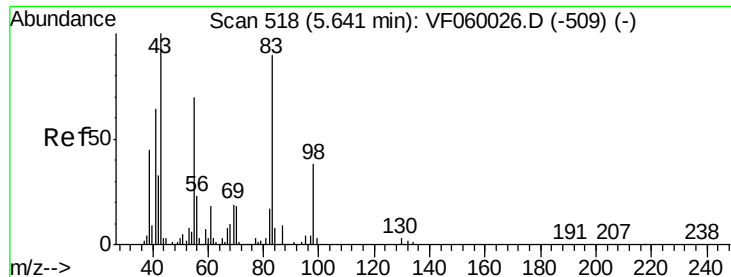
Tgt Ion: 43 Resp: 45606
Ion Ratio Lower Upper
43 100
61 82.6 101.5 152.3#
70 7.2 6.4 9.6



#38
Carbon Tetrachloride
Concen: 20.316 ug/l
RT: 4.19 min Scan# 371
Delta R.T. 0.01 min
Lab File: VF060034.D
Acq: 22 Aug 2018 12:30

Tgt Ion: 117 Resp: 77770
Ion Ratio Lower Upper
117 100
119 97.9 76.5 114.7
121 31.9 23.0 34.6

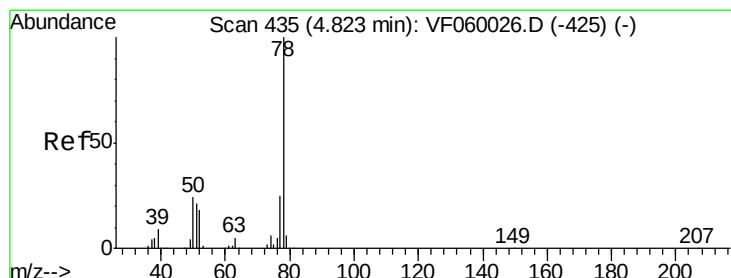
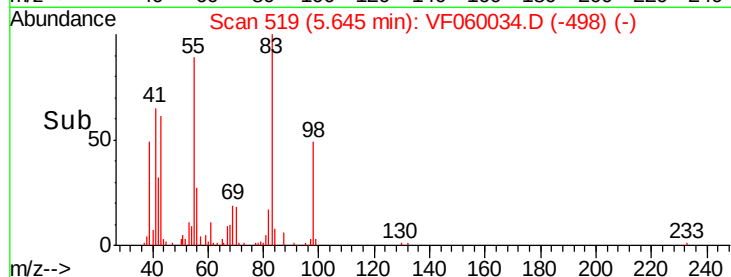
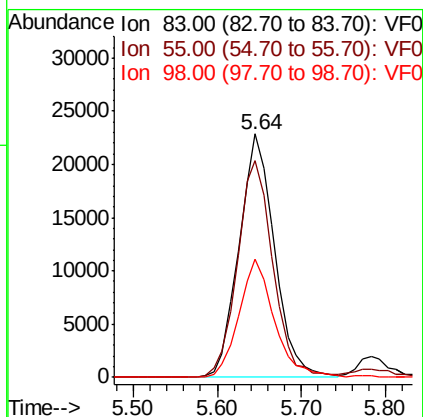
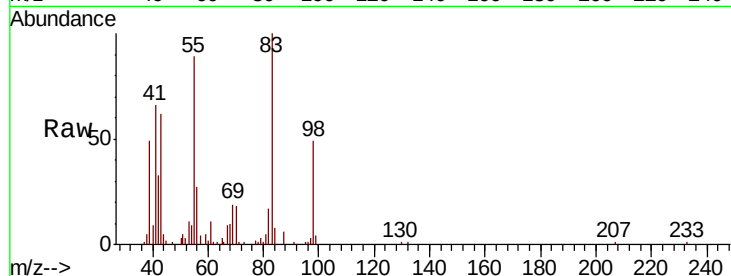




#39
Methylcyclohexane
Concen: 21.786 ug/l
RT: 5.64 min Scan# 519
Delta R.T. 0.00 min
Lab File: VF060034.D
Acq: 22 Aug 2018 12:30

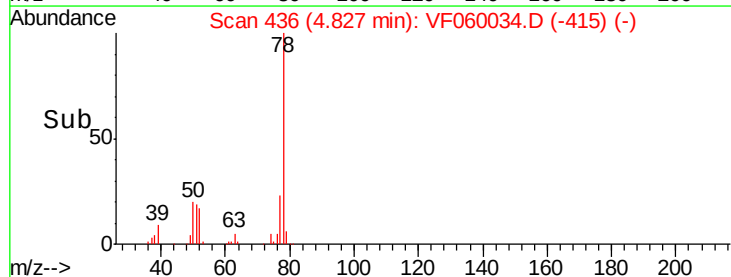
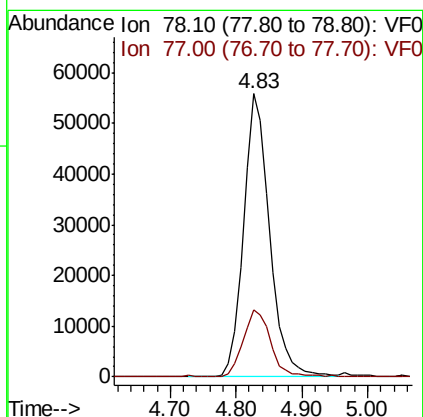
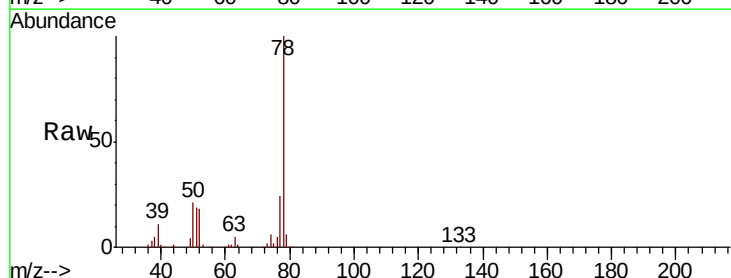
Instrument :
MSVOA_F
ClientSampleId :
VF0822SBS01

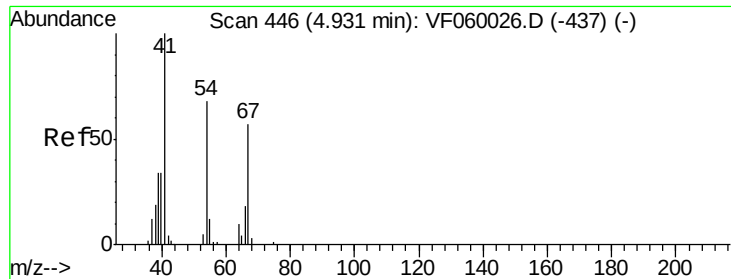
Tgt Ion: 83 Resp: 67531
Ion Ratio Lower Upper
83 100
55 88.8 62.7 94.1
98 48.8 33.8 50.8



#40
Benzene
Concen: 21.494 ug/l
RT: 4.83 min Scan# 436
Delta R.T. 0.00 min
Lab File: VF060034.D
Acq: 22 Aug 2018 12:30

Tgt Ion: 78 Resp: 155217
Ion Ratio Lower Upper
78 100
77 23.6 19.8 29.6

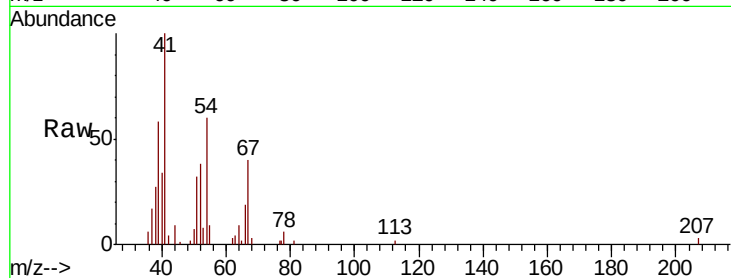




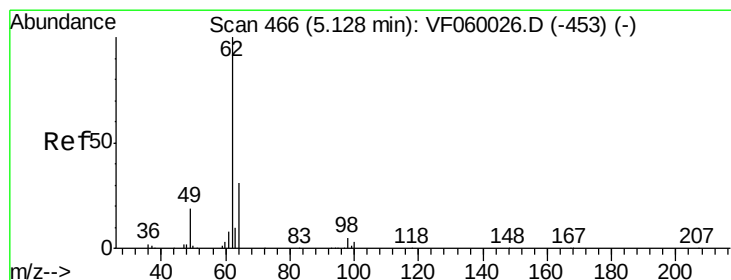
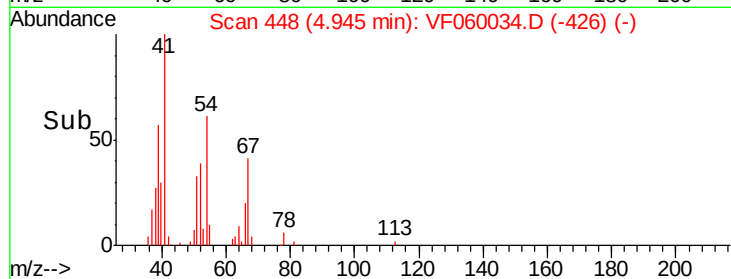
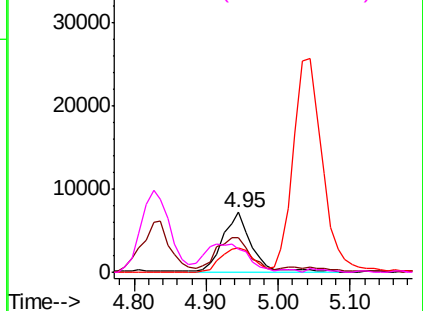
#41
Methacrylonitrile
Concen: 20.186 ug/l
RT: 4.95 min Scan# 448
Delta R.T. 0.01 min
Lab File: VF060034.D
Acq: 22 Aug 2018 12:30

Instrument :
MSVOA_F
ClientSampleId :
VF0822SBS01

Tgt Ion:	41	Resp:	20186
Ion	Ratio	Lower	Upper
41	100		
39	58.0	52.9	79.3
67	39.7	45.3	67.9#
52	38.0	34.8	52.2

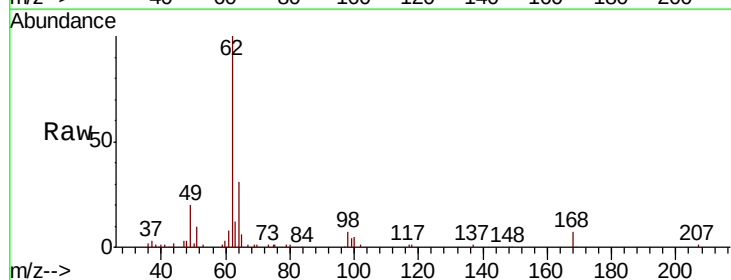


Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 39.00 (38.70 to 39.70): VF0
Ion 67.00 (66.70 to 67.70): VF0
Ion 52.00 (51.70 to 52.70): VF0

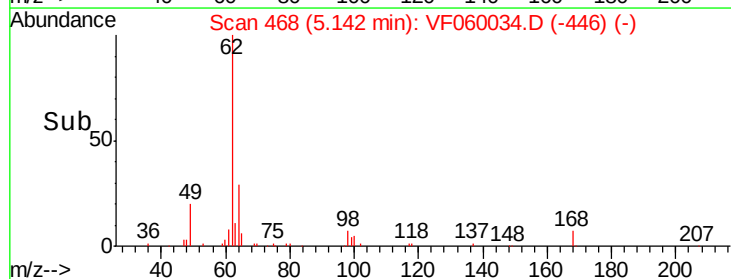
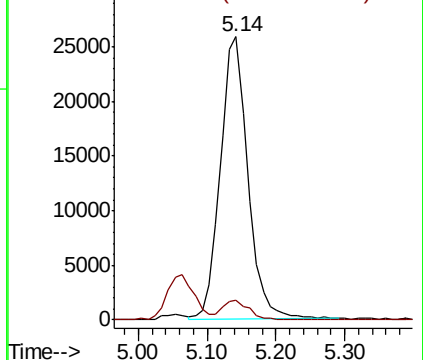


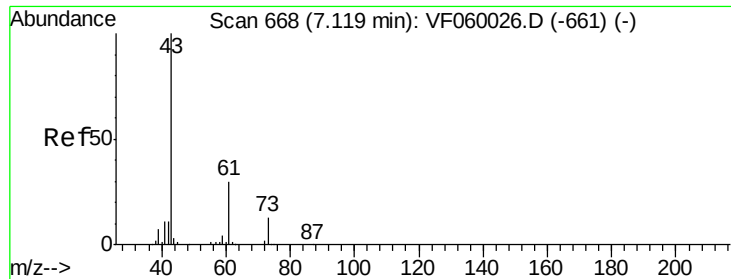
#42
1,2-Dichloroethane
Concen: 18.596 ug/l
RT: 5.14 min Scan# 468
Delta R.T. 0.01 min
Lab File: VF060034.D
Acq: 22 Aug 2018 12:30

Tgt Ion:	62	Resp:	72009
Ion	Ratio	Lower	Upper
62	100		
98	6.9	0.0	11.2



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





#43

Isopropyl Acetate

Concen: 19.162 ug/l

RT: 7.13 min Scan# 670

Delta R.T. 0.01 min

Lab File: VF060034.D

Acq: 22 Aug 2018 12:30

Instrument :

MSVOA_F

ClientSampleId :

VF0822SBS01

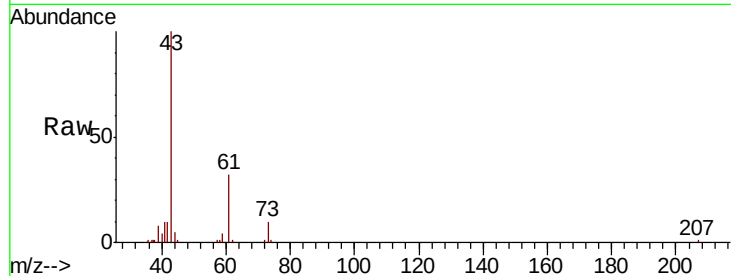
Tgt Ion: 43 Resp: 47682

Ion Ratio Lower Upper

43 100

61 32.3 23.8 35.6

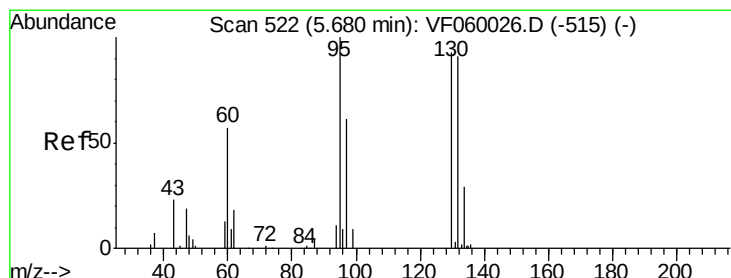
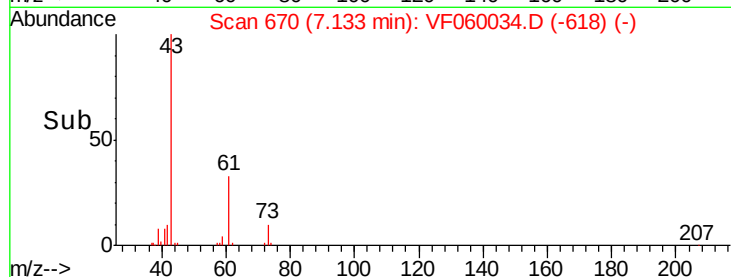
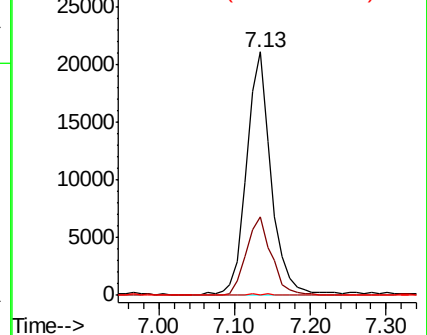
87 0.0 0.2 0.4#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0



#44

Trichloroethene

Concen: 21.662 ug/l

RT: 5.69 min Scan# 524

Delta R.T. 0.01 min

Lab File: VF060034.D

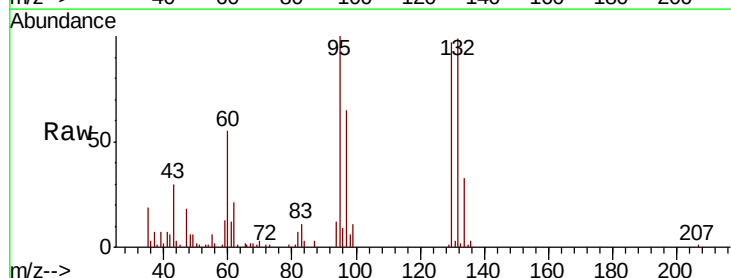
Acq: 22 Aug 2018 12:30

Tgt Ion: 130 Resp: 51715

Ion Ratio Lower Upper

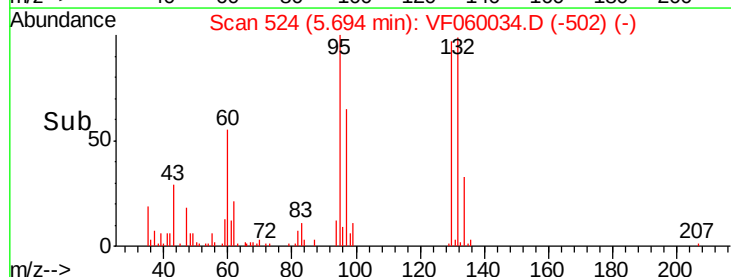
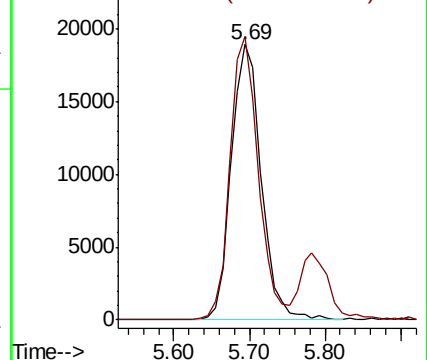
130 100

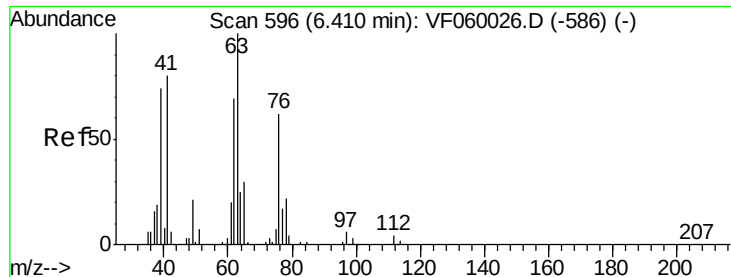
95 102.8 0.0 215.8



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 22.027 ug/l

RT: 6.41 min Scan# 597

Delta R.T. 0.00 min

Lab File: VF060034.D

Acq: 22 Aug 2018 12:30

Instrument :

MSVOA_F

ClientSampleId :

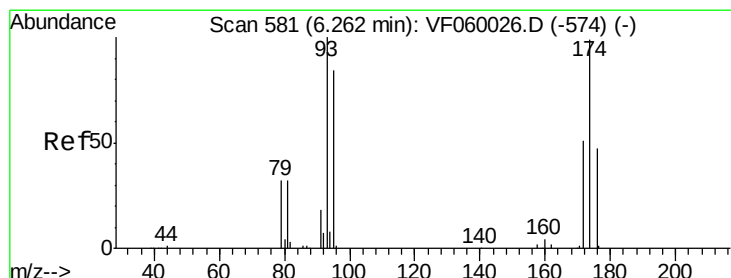
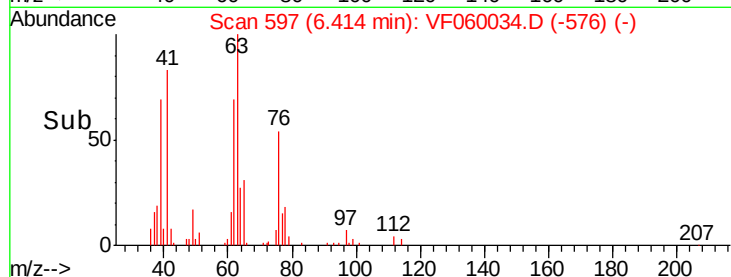
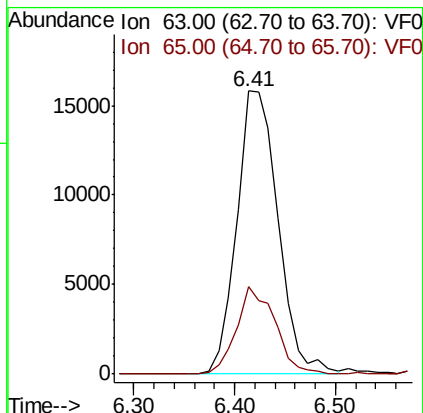
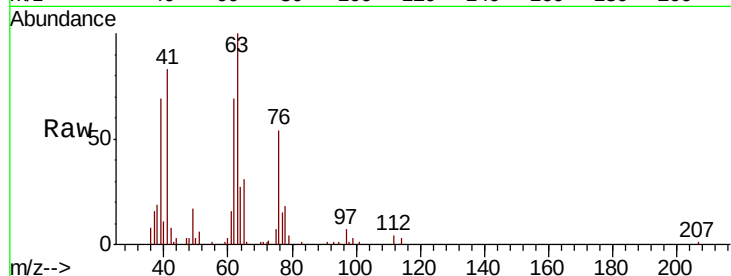
VF0822SBS01

Tgt Ion: 63 Resp: 44995

Ion Ratio Lower Upper

63 100

65 30.7 23.8 35.6



#46

Dibromomethane

Concen: 21.655 ug/l

RT: 6.28 min Scan# 583

Delta R.T. 0.01 min

Lab File: VF060034.D

Acq: 22 Aug 2018 12:30

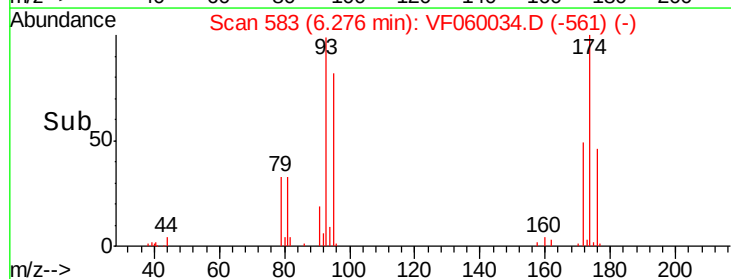
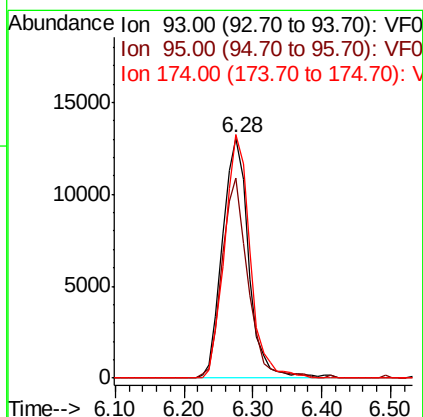
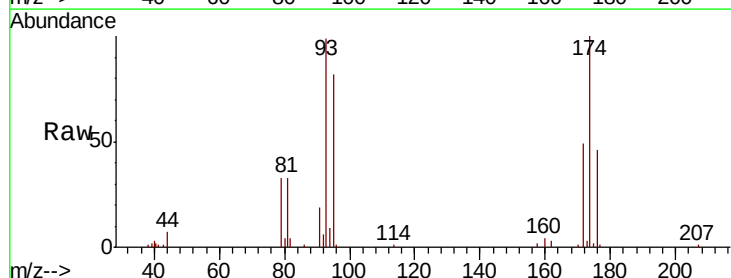
Tgt Ion: 93 Resp: 34613

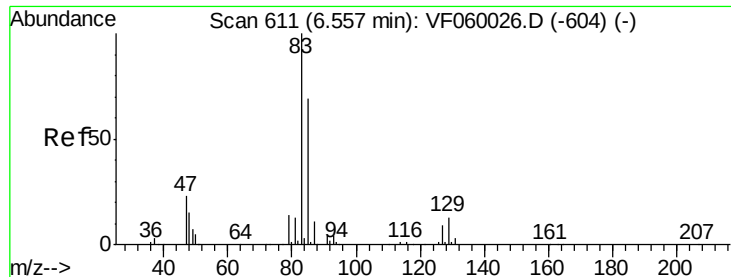
Ion Ratio Lower Upper

93 100

95 83.5 67.1 100.7

174 101.5 79.0 118.4





#47

Bromodichloromethane

Concen: 20.519 ug/l

RT: 6.57 min Scan# 613

Delta R.T. 0.01 min

Lab File: VF060034.D

Acq: 22 Aug 2018 12:30

Instrument :

MSVOA_F

ClientSampleId :

VF0822SBS01

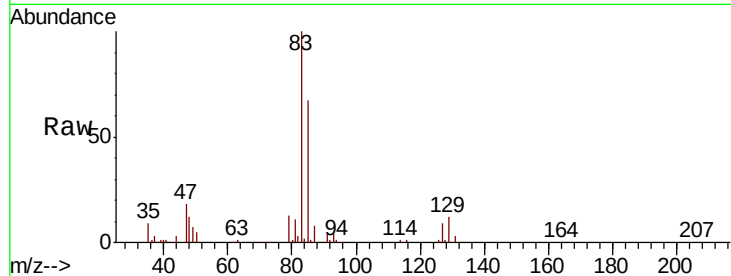
Tgt Ion: 83 Resp: 79218

Ion Ratio Lower Upper

83 100

85 66.6 55.2 82.8

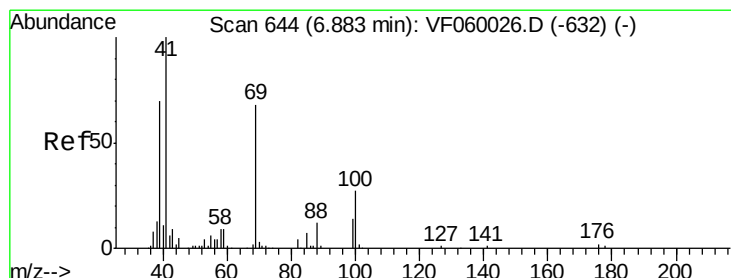
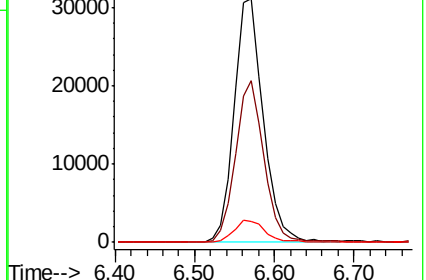
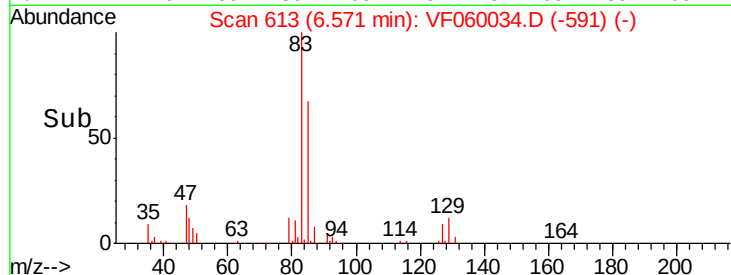
127 9.5 7.3 10.9



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: 17.889 ug/l

RT: 6.90 min Scan# 646

Delta R.T. 0.01 min

Lab File: VF060034.D

Acq: 22 Aug 2018 12:30

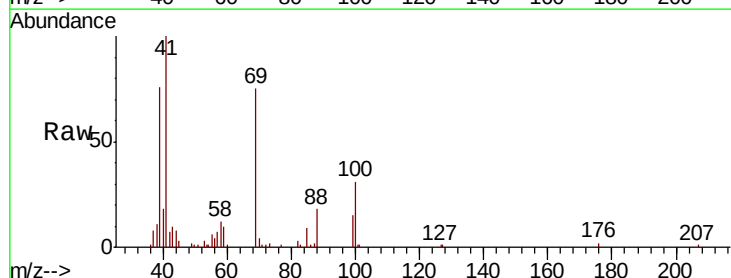
Tgt Ion: 41 Resp: 29456

Ion Ratio Lower Upper

41 100

69 75.2 54.6 81.8

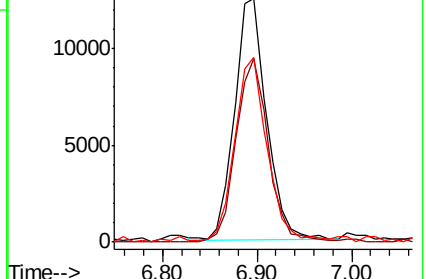
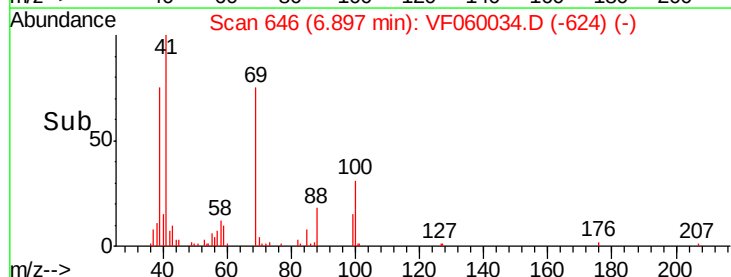
39 75.8 56.5 84.7

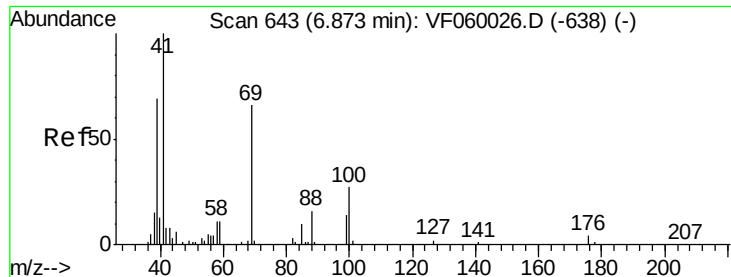


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

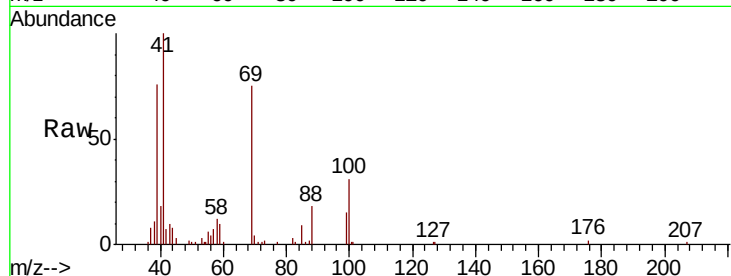




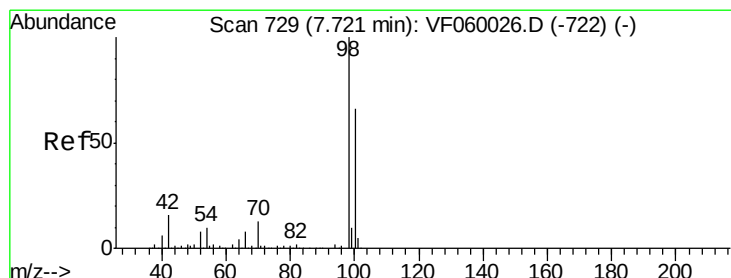
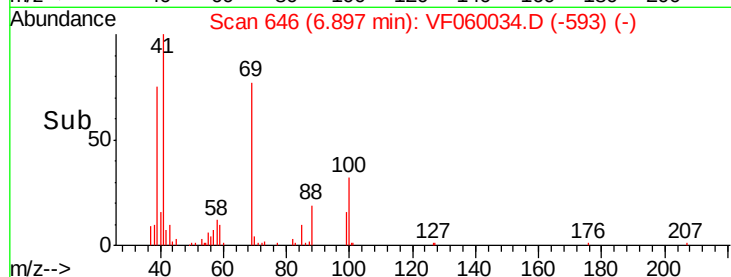
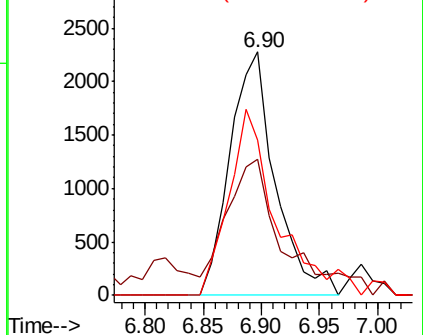
#49
1,4-Dioxane
Concen: 390.392 ug/l
RT: 6.90 min Scan# 646
Delta R.T. 0.02 min
Lab File: VF060034.D
Acq: 22 Aug 2018 12:30

Instrument :
MSVOA_F
ClientSampleId :
VF0822SBS01

Tgt Ion: 88 Resp: 6171
Ion Ratio Lower Upper
88 100
43 55.7 46.5 69.7
58 63.6 54.8 82.2

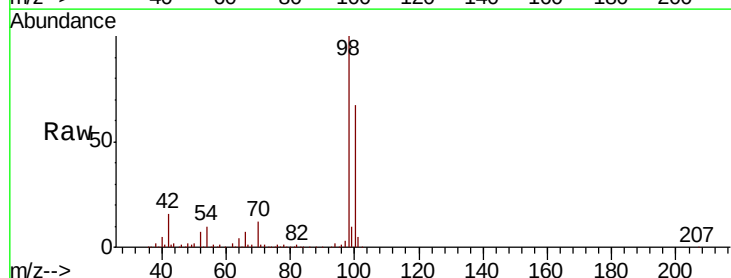


Abundance Ion 88.00 (87.70 to 88.70): VF0
Ion 43.00 (42.70 to 43.70): VF0
Ion 58.00 (57.70 to 58.70): VF0

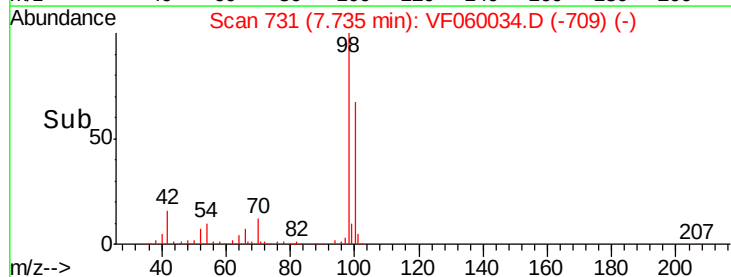
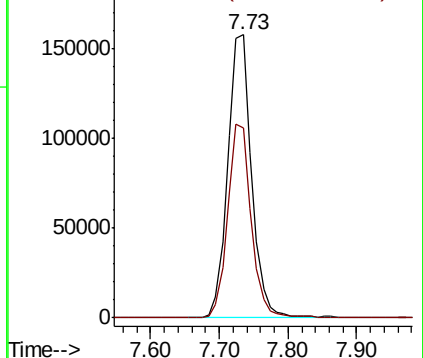


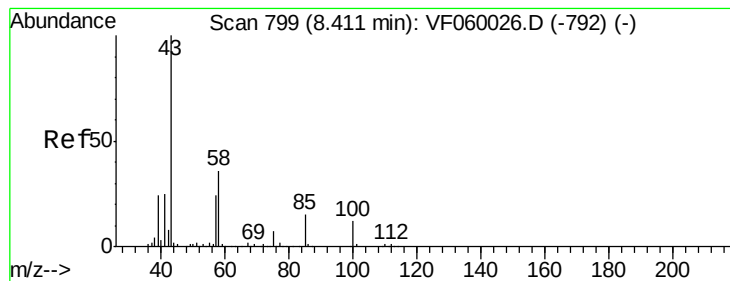
#50
Toluene-d8
Concen: 48.191 ug/l
RT: 7.73 min Scan# 731
Delta R.T. 0.01 min
Lab File: VF060034.D
Acq: 22 Aug 2018 12:30

Tgt Ion: 98 Resp: 378062
Ion Ratio Lower Upper
98 100
100 66.9 53.2 79.8



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





#51

4-Methyl-2-Pentanone

Concen: 104.169 ug/l

RT: 8.42 min Scan# 801

Delta R.T. 0.01 min

Lab File: VF060034.D

Acq: 22 Aug 2018 12:30

Instrument :

MSVOA_F

ClientSampleId :

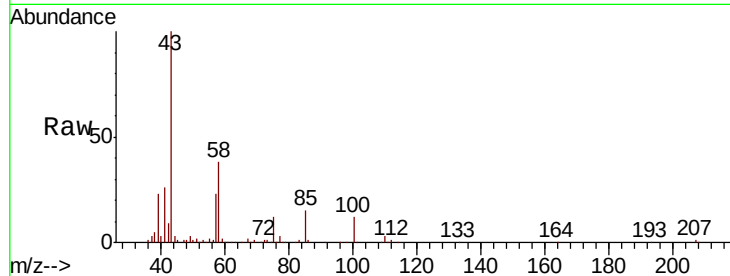
VF0822SBS01

Tgt Ion: 43 Resp: 223844

Ion Ratio Lower Upper

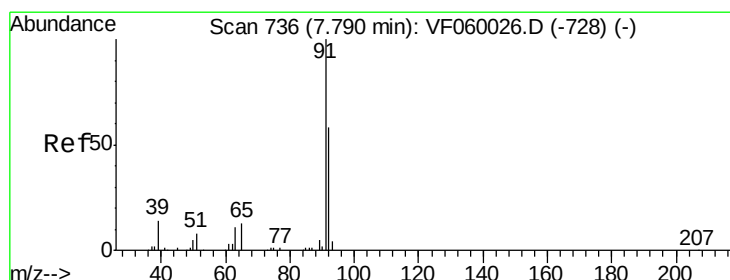
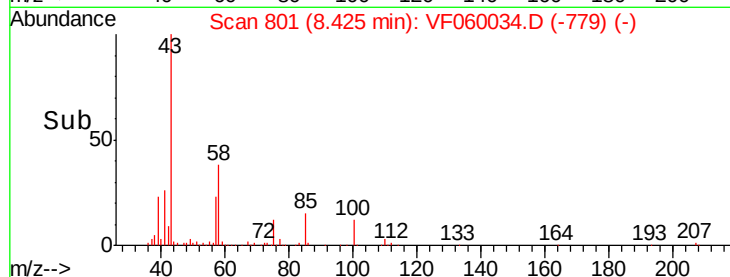
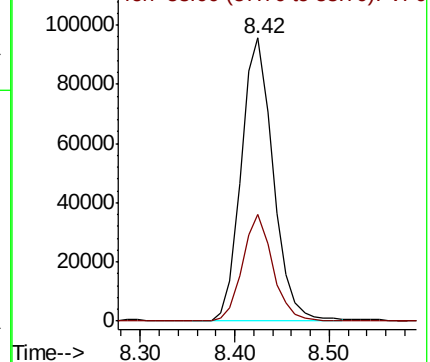
43 100

58 37.7 28.6 42.8



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 21.359 ug/l

RT: 7.80 min Scan# 738

Delta R.T. 0.01 min

Lab File: VF060034.D

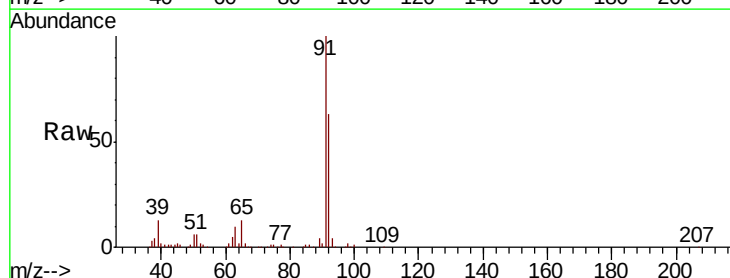
Acq: 22 Aug 2018 12:30

Tgt Ion: 92 Resp: 112282

Ion Ratio Lower Upper

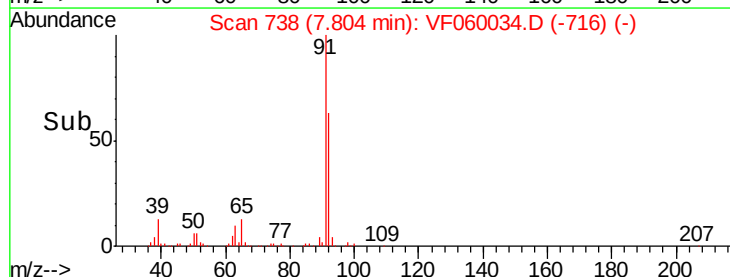
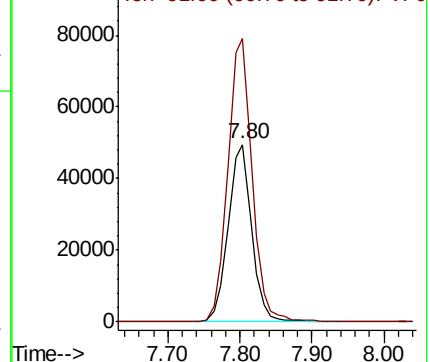
92 100

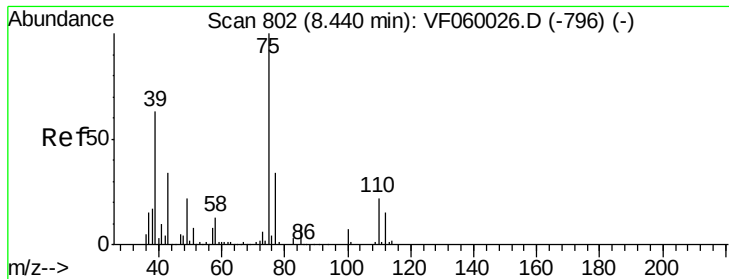
91 159.6 137.7 206.5



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: 20.802 ug/l

RT: 8.44 min Scan# 803

Delta R.T. 0.00 min

Lab File: VF060034.D

Acq: 22 Aug 2018 12:30

Instrument :

MSVOA_F

ClientSampleId :

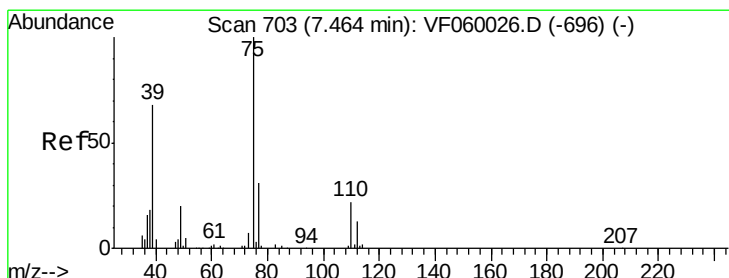
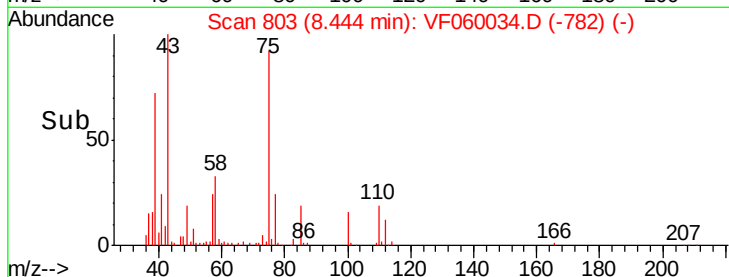
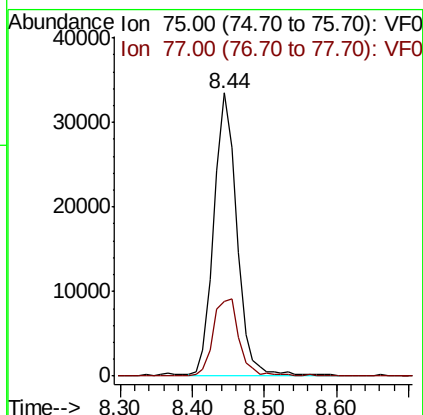
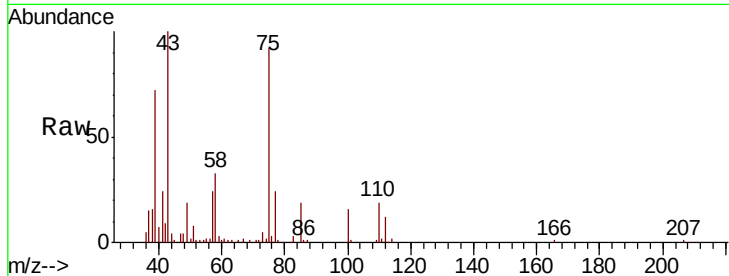
VF0822SBS01

Tgt Ion: 75 Resp: 72829

Ion Ratio Lower Upper

75 100

77 26.6 27.4 41.2#



#54

cis-1,3-Dichloropropene

Concen: 20.072 ug/l

RT: 7.48 min Scan# 705

Delta R.T. 0.01 min

Lab File: VF060034.D

Acq: 22 Aug 2018 12:30

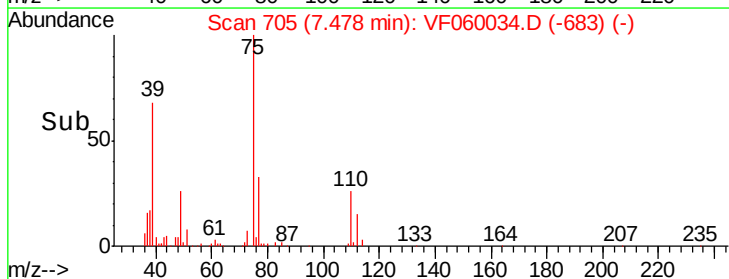
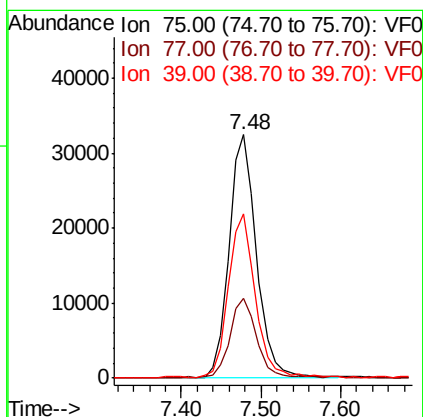
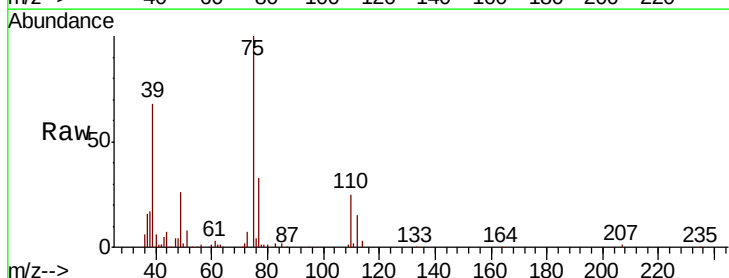
Tgt Ion: 75 Resp: 78430

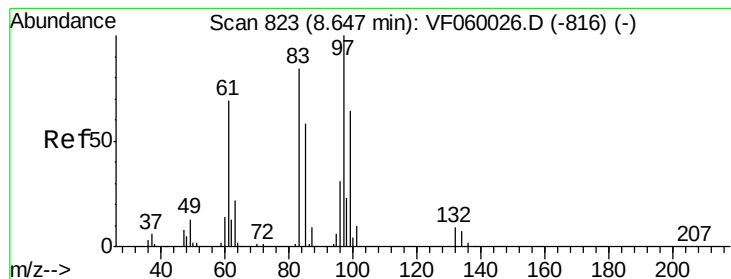
Ion Ratio Lower Upper

75 100

77 33.0 24.6 37.0

39 67.7 54.6 81.8





#55

1,1,2-Trichloroethane

Concen: 21.689 ug/l

RT: 8.66 min Scan# 825

Delta R.T. 0.01 min

Lab File: VF060034.D

Acq: 22 Aug 2018 12:30

Instrument :

MSVOA_F

ClientSampleId :

VF0822SBS01

Tgt Ion: 97 Resp: 42262

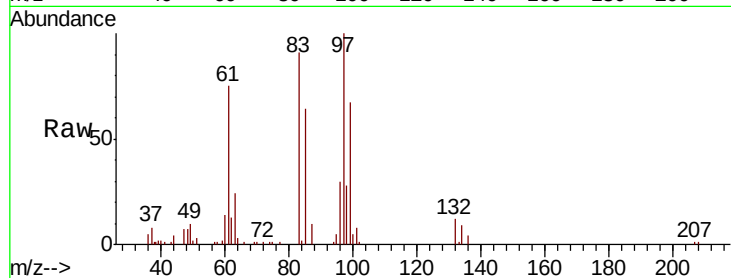
Ion Ratio Lower Upper

97 100

83 91.0 67.4 101.2

85 63.7 46.2 69.2

99 67.5 51.1 76.7

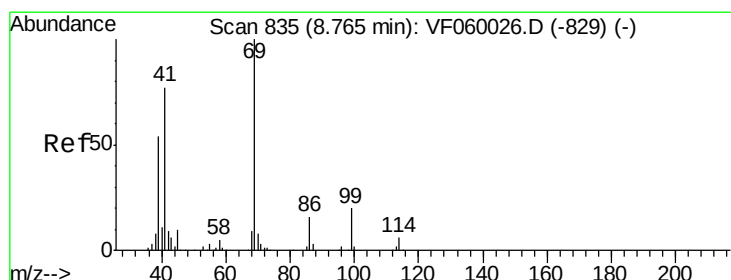
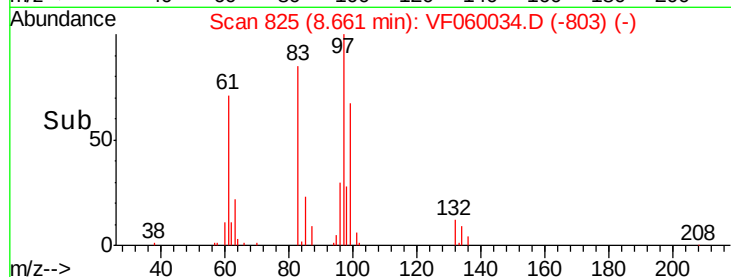
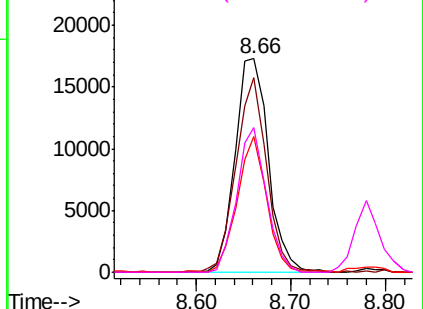


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 21.362 ug/l

RT: 8.78 min Scan# 837

Delta R.T. 0.01 min

Lab File: VF060034.D

Acq: 22 Aug 2018 12:30

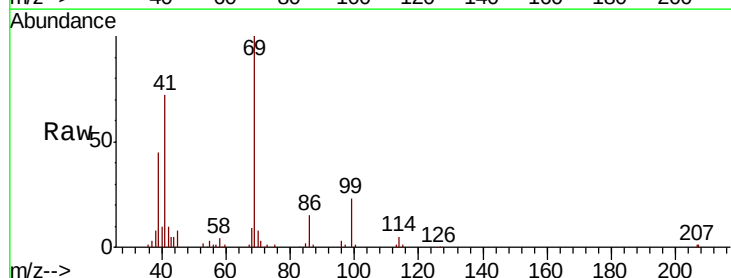
Tgt Ion: 69 Resp: 50384

Ion Ratio Lower Upper

69 100

41 71.7 61.6 92.4

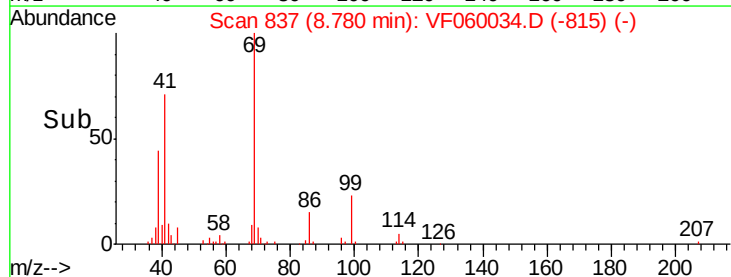
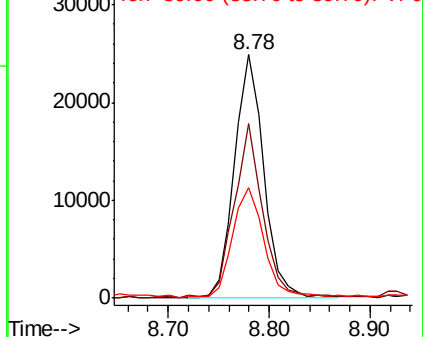
39 45.3 43.9 65.9

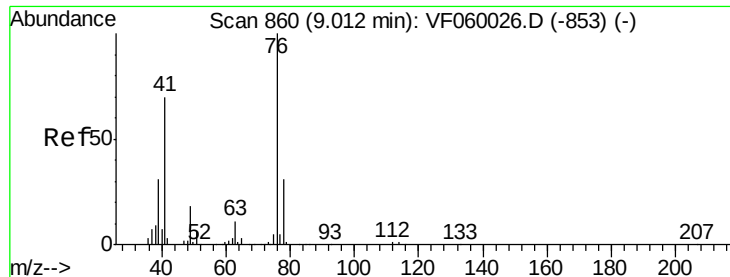


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 20.688 ug/l

RT: 9.02 min Scan# 861

Delta R.T. 0.00 min

Lab File: VF060034.D

Acq: 22 Aug 2018 12:30

Instrument :

MSVOA_F

ClientSampleId :

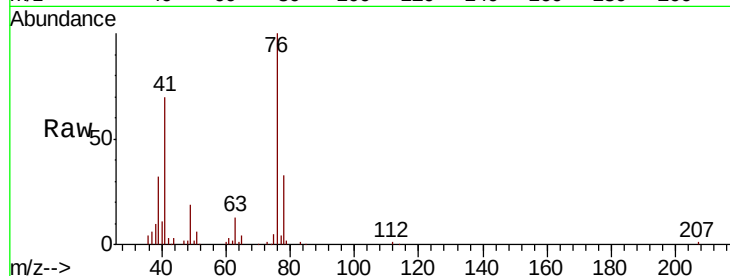
VF0822SBS01

Tgt Ion: 76 Resp: 70855

Ion Ratio Lower Upper

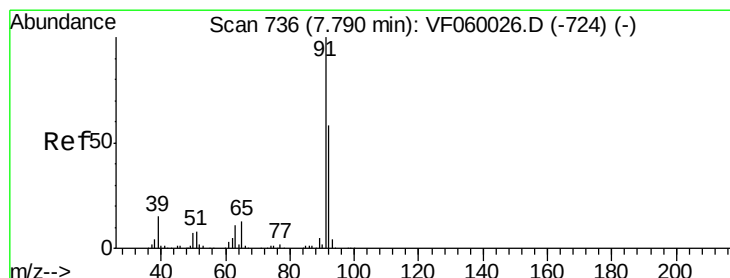
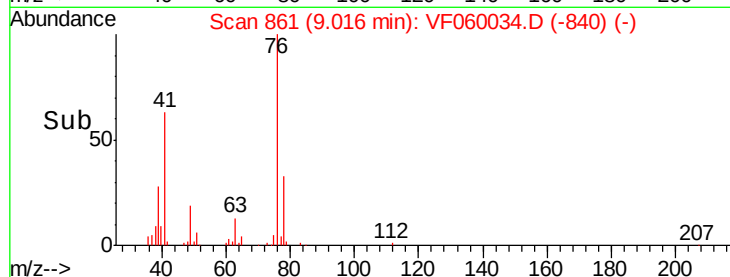
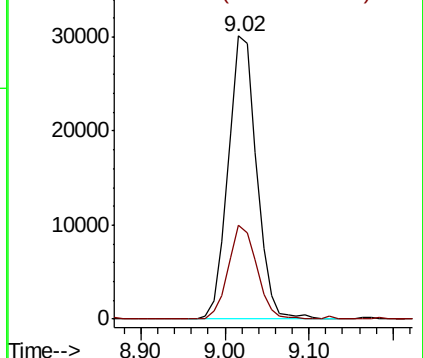
76 100

78 33.1 25.2 37.8



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 98.934 ug/l

RT: 7.80 min Scan# 738

Delta R.T. 0.01 min

Lab File: VF060034.D

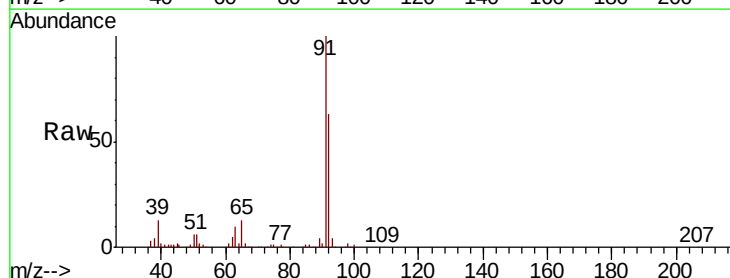
Acq: 22 Aug 2018 12:30

Tgt Ion: 63 Resp: 18522

Ion Ratio Lower Upper

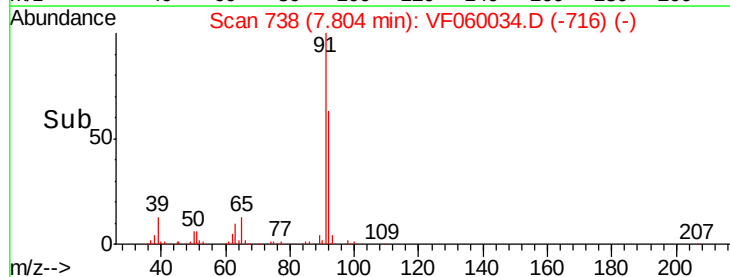
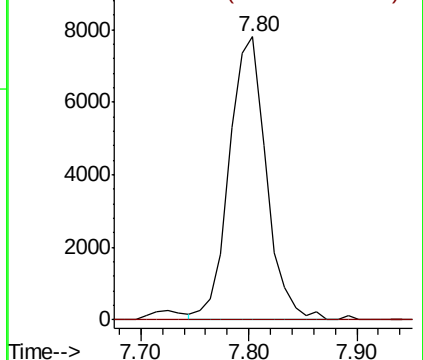
63 100

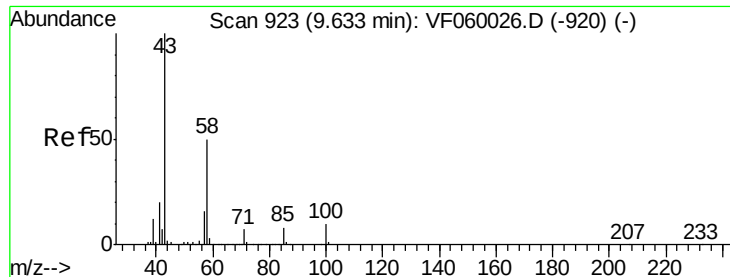
106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

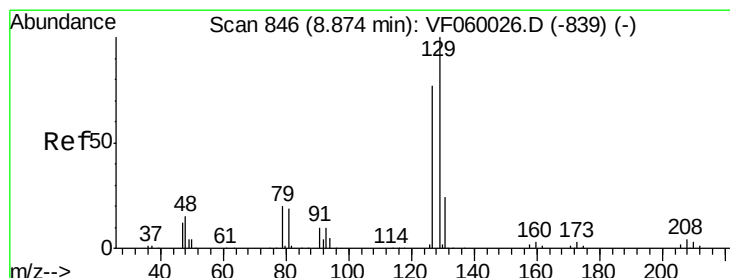
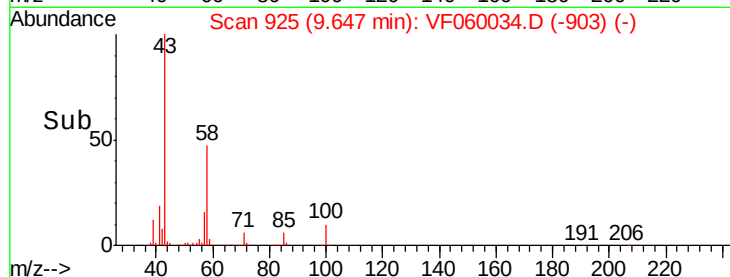
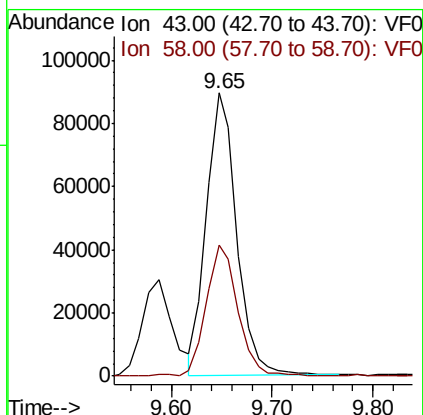
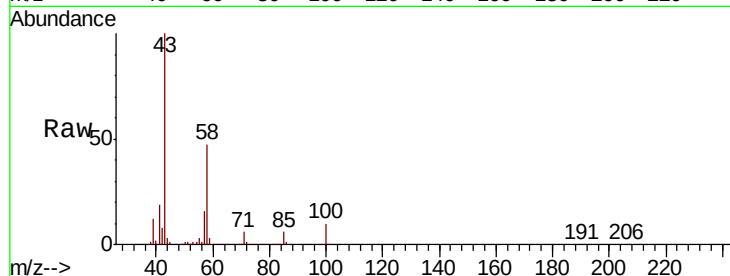




#59
2-Hexanone
Concen: 107.976 ug/l
RT: 9.65 min Scan# 925
Delta R.T. 0.01 min
Lab File: VF060034.D
Acq: 22 Aug 2018 12:30

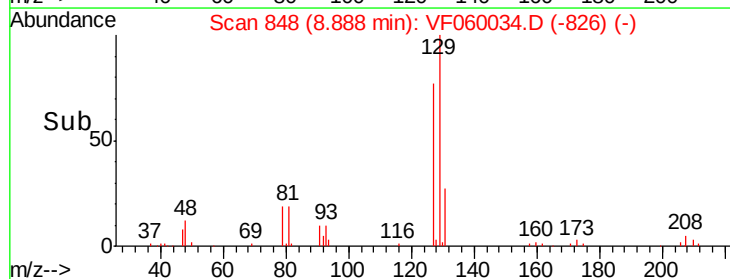
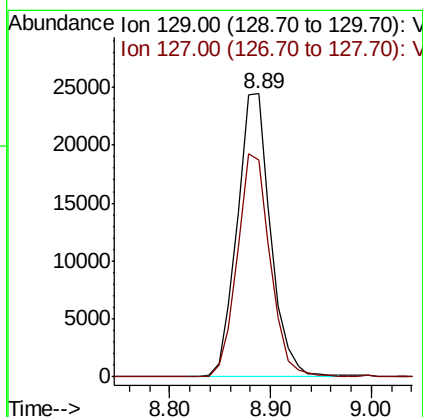
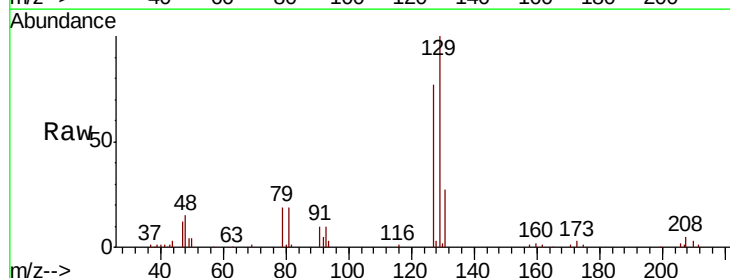
Instrument :
MSVOA_F
ClientSampleId :
VF0822SBS01

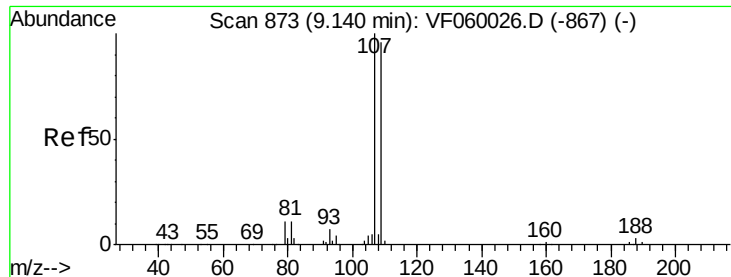
Tgt Ion: 43 Resp: 187791
Ion Ratio Lower Upper
43 100
58 46.5 23.4 70.2



#60
Dibromochloromethane
Concen: 19.619 ug/l
RT: 8.89 min Scan# 848
Delta R.T. 0.01 min
Lab File: VF060034.D
Acq: 22 Aug 2018 12:30

Tgt Ion: 129 Resp: 56434
Ion Ratio Lower Upper
129 100
127 76.6 38.6 115.8

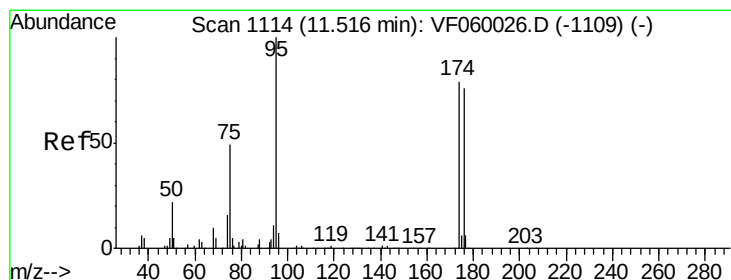
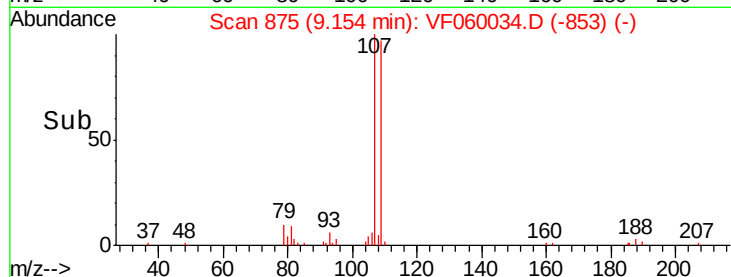
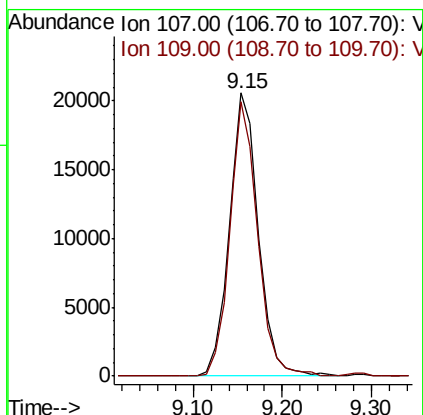
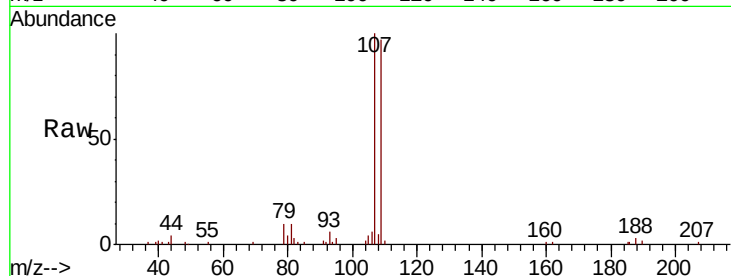




#61
 1,2-Dibromoethane
 Concen: 20.461 ug/l
 RT: 9.15 min Scan# 875
 Delta R.T. 0.01 min
 Lab File: VF060034.D
 Acq: 22 Aug 2018 12:30

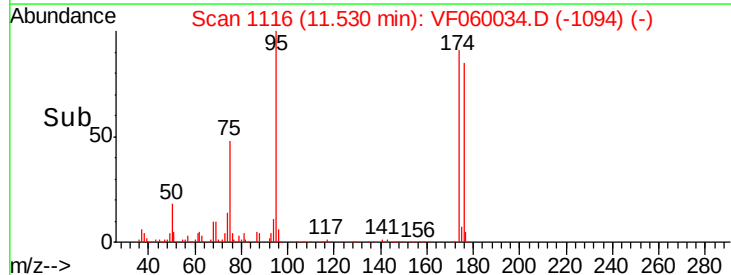
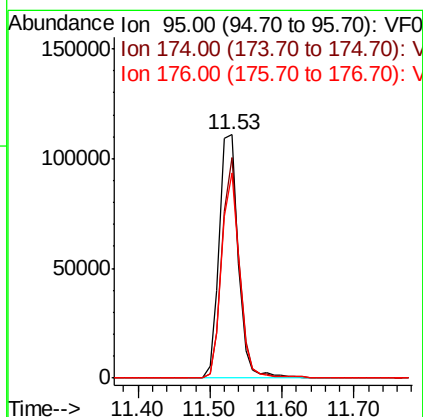
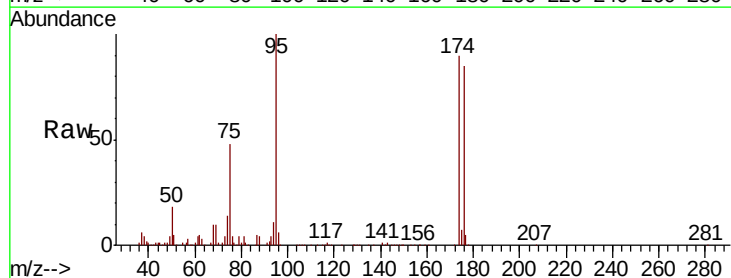
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0822SBS01

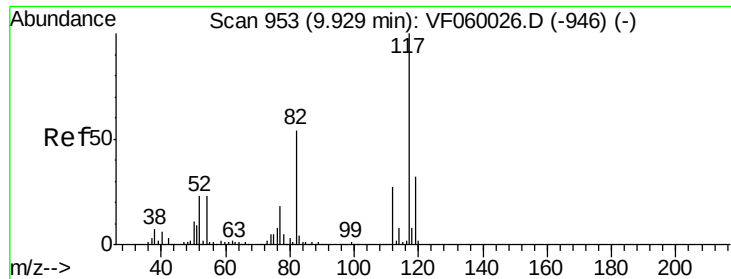
Tgt Ion: 107 Resp: 46823
 Ion Ratio Lower Upper
 107 100
 109 97.1 76.5 114.7



#62
 4-Bromofluorobenzene
 Concen: 48.979 ug/l
 RT: 11.53 min Scan# 1116
 Delta R.T. 0.01 min
 Lab File: VF060034.D
 Acq: 22 Aug 2018 12:30

Tgt Ion: 95 Resp: 203269
 Ion Ratio Lower Upper
 95 100
 174 90.5 0.0 158.4
 176 84.6 0.0 153.0

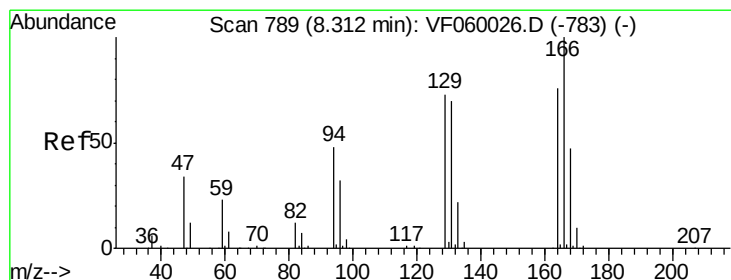
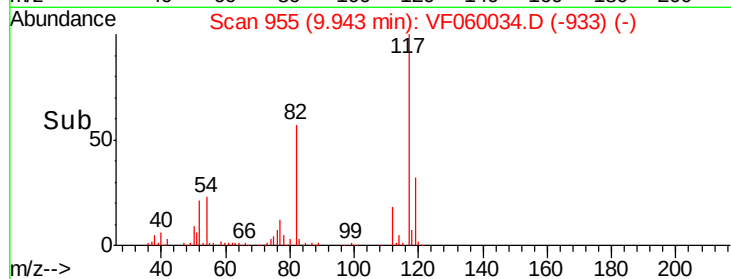
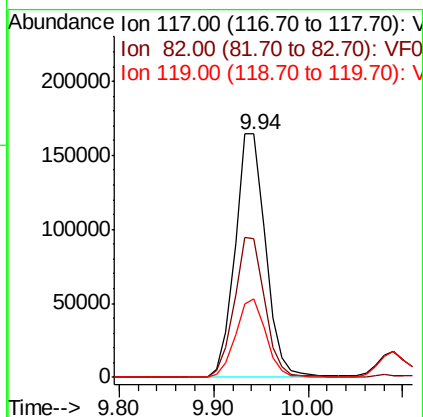
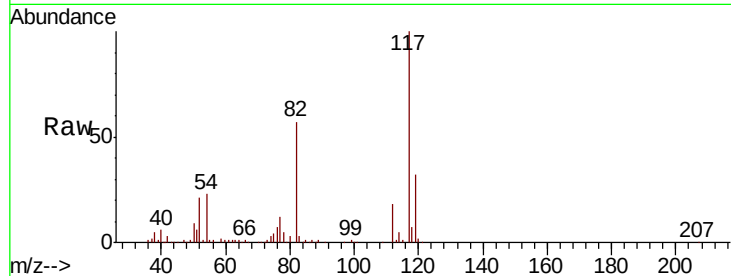




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.94 min Scan# 955
Delta R.T. 0.01 min
Lab File: VF060034.D
Acq: 22 Aug 2018 12:30

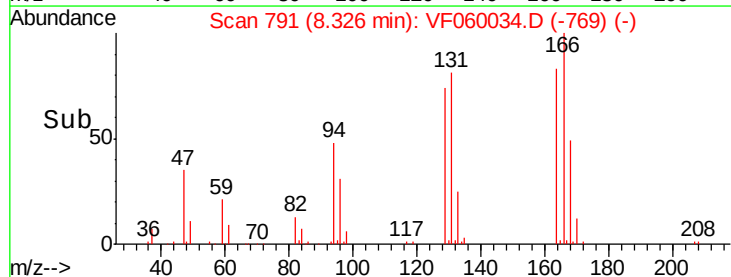
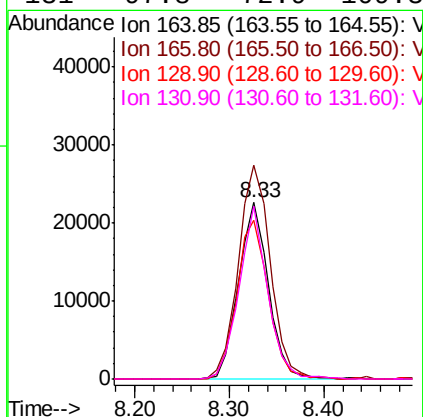
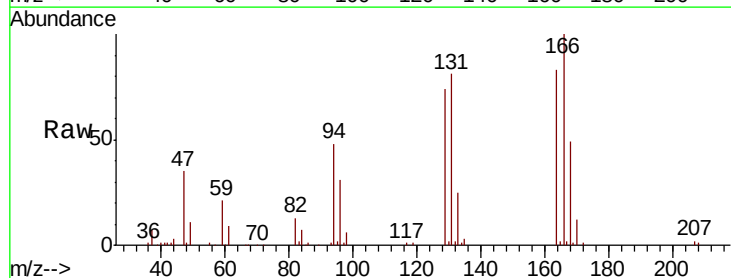
Instrument :
MSVOA_F
ClientSampleId :
VF0822SBS01

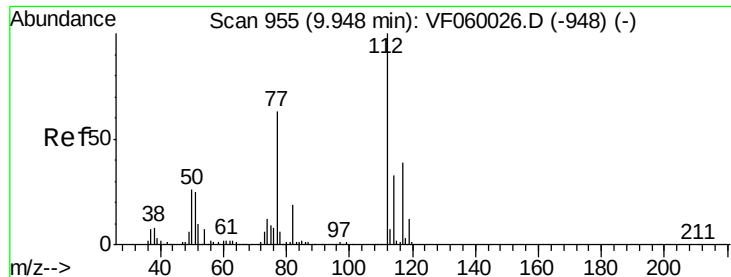
Tgt Ion:117 Resp: 368339
Ion Ratio Lower Upper
117 100
82 56.7 43.6 65.4
119 32.4 25.6 38.4



#64
Tetrachloroethene
Concen: 19.914 ug/l
RT: 8.33 min Scan# 791
Delta R.T. 0.01 min
Lab File: VF060034.D
Acq: 22 Aug 2018 12:30

Tgt Ion:164 Resp: 49413
Ion Ratio Lower Upper
164 100
166 121.2 104.7 157.1
129 89.9 77.0 115.4
131 97.8 72.9 109.3





#65

Chlorobenzene

Concen: 21.255 ug/l

RT: 9.96 min Scan# 957

Delta R.T. 0.01 min

Lab File: VF060034.D

Acq: 22 Aug 2018 12:30

Instrument :

MSVOA_F

ClientSampleId :

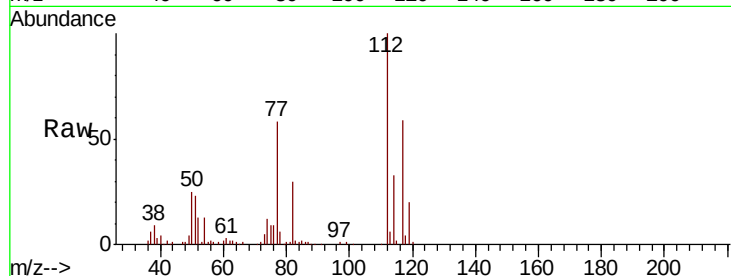
VF0822SBS01

Tgt Ion:112 Resp: 147838

Ion Ratio Lower Upper

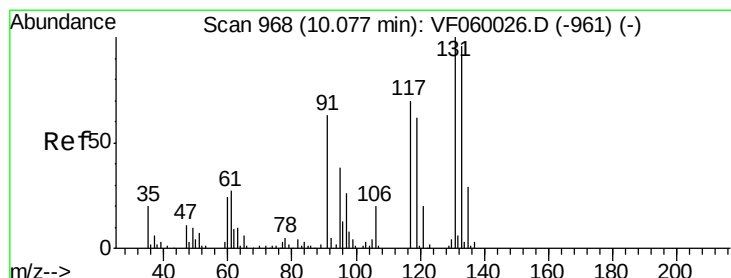
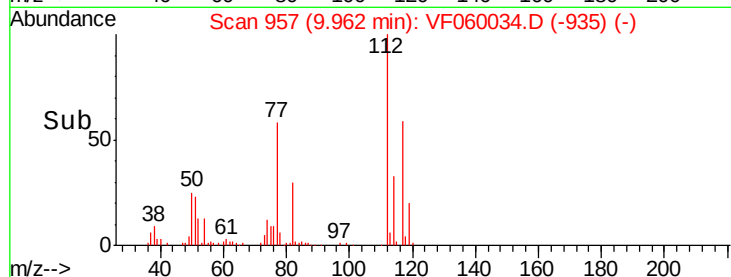
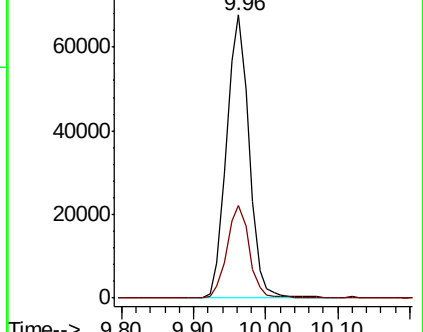
112 100

114 32.9 26.2 39.2



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.126 ug/l

RT: 10.09 min Scan# 970

Delta R.T. 0.01 min

Lab File: VF060034.D

Acq: 22 Aug 2018 12:30

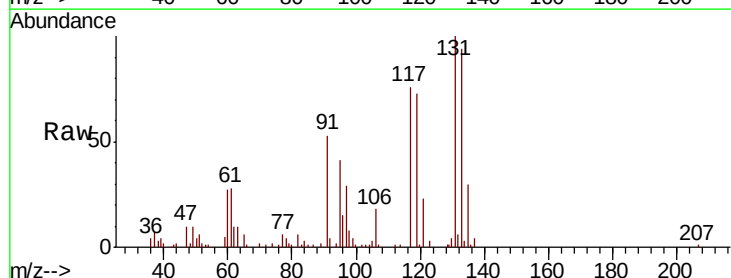
Tgt Ion:131 Resp: 53092

Ion Ratio Lower Upper

131 100

133 94.3 48.2 144.6

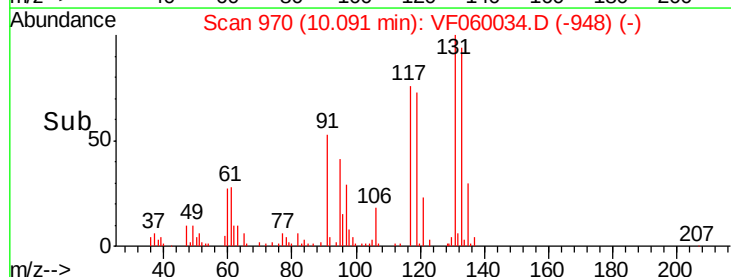
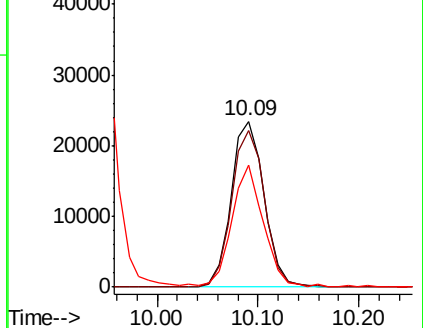
119 73.3 31.4 94.2

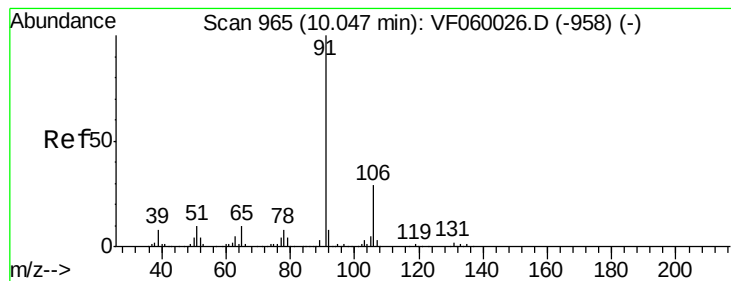


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#67

Ethyl Benzene

Concen: 21.525 ug/l

RT: 10.06 min Scan# 967

Delta R.T. 0.01 min

Lab File: VF060034.D

Acq: 22 Aug 2018 12:30

Instrument :

MSVOA_F

ClientSampleId :

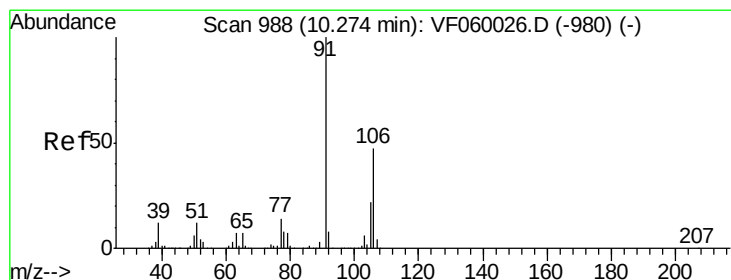
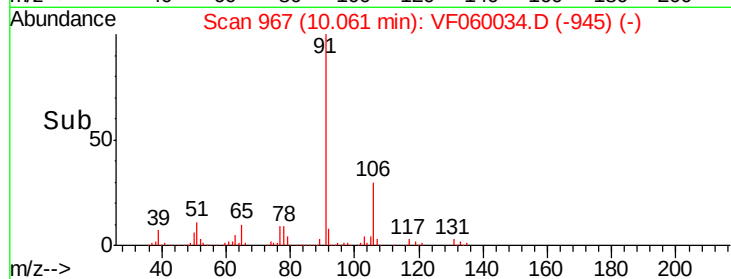
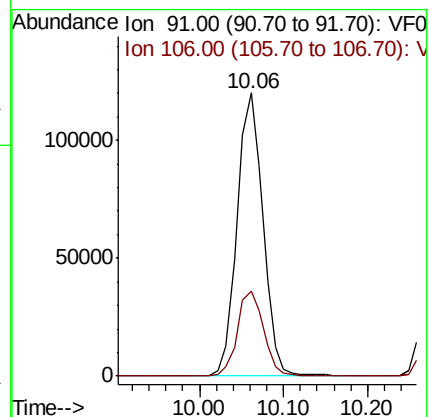
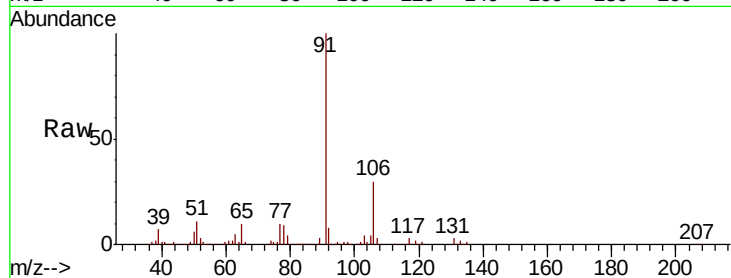
VF0822SBS01

Tgt Ion: 91 Resp: 258332

Ion Ratio Lower Upper

91 100

106 30.2 23.6 35.4



#68

m/p-Xylenes

Concen: 43.848 ug/l

RT: 10.29 min Scan# 990

Delta R.T. 0.01 min

Lab File: VF060034.D

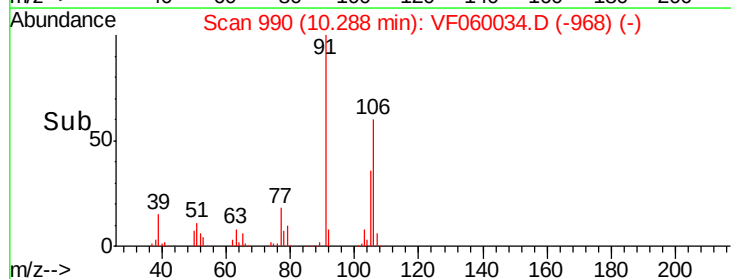
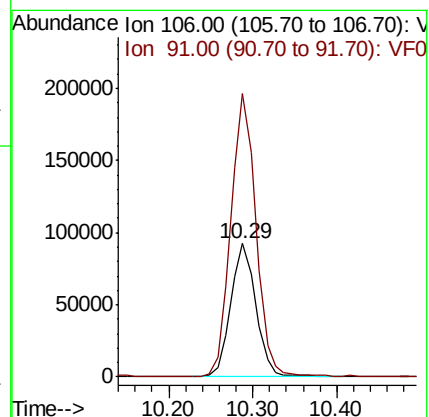
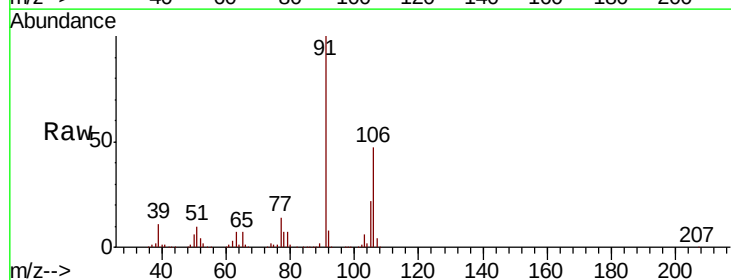
Acq: 22 Aug 2018 12:30

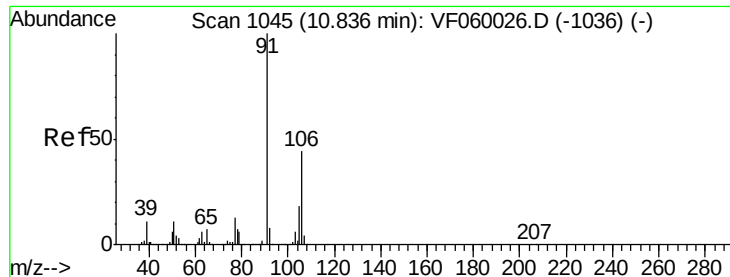
Tgt Ion: 106 Resp: 193025

Ion Ratio Lower Upper

106 100

91 212.7 171.8 257.8

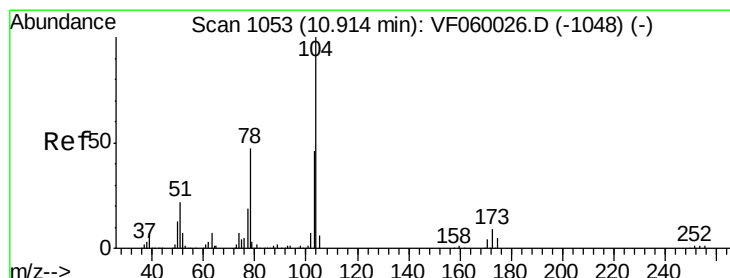
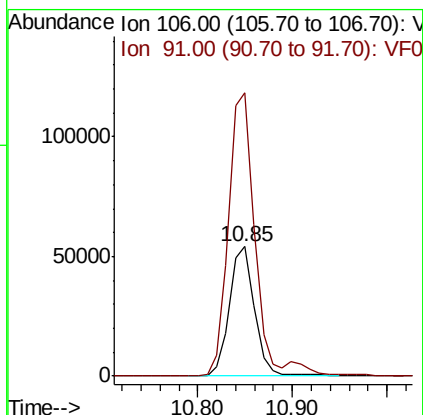
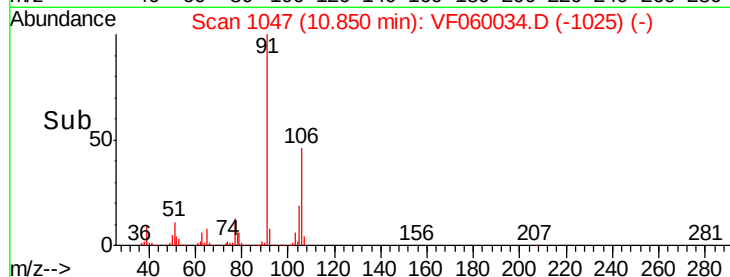
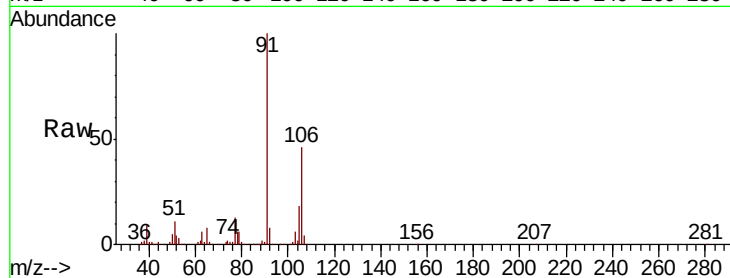




#69
o-Xylene
Concen: 21.260 ug/l
RT: 10.85 min Scan# 1047
Delta R.T. 0.01 min
Lab File: VF060034.D
Acq: 22 Aug 2018 12:30

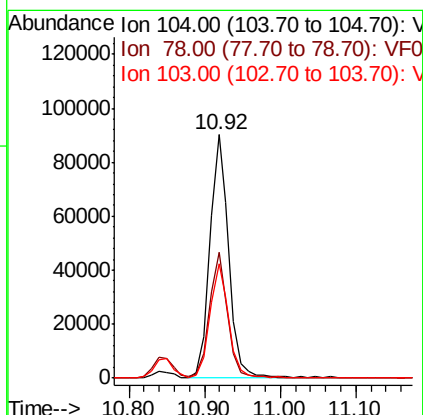
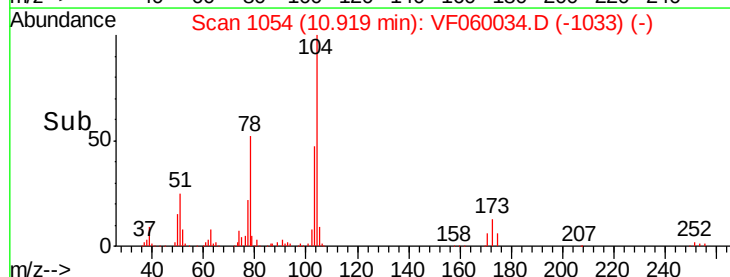
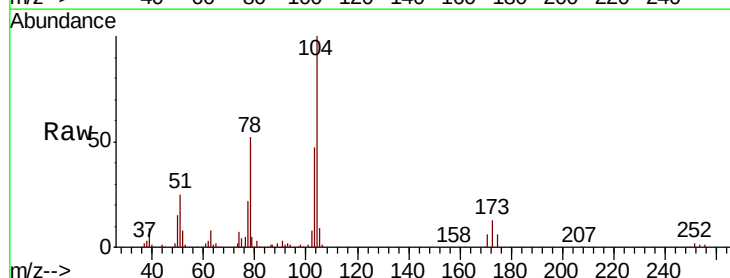
Instrument :
MSVOA_F
ClientSampleId :
VF0822SBS01

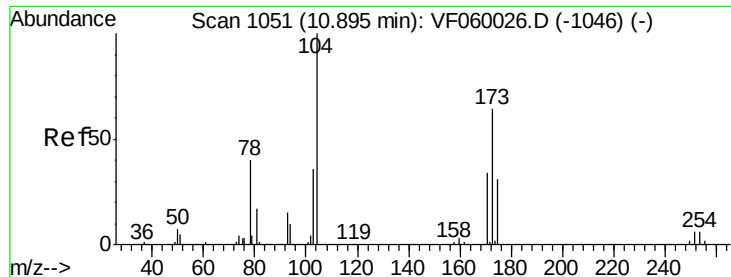
Tgt Ion:106 Resp: 99964
Ion Ratio Lower Upper
106 100
91 218.7 112.5 337.5



#70
Styrene
Concen: 21.860 ug/l
RT: 10.92 min Scan# 1054
Delta R.T. 0.00 min
Lab File: VF060034.D
Acq: 22 Aug 2018 12:30

Tgt Ion:104 Resp: 157692
Ion Ratio Lower Upper
104 100
78 51.8 38.0 57.0
103 46.8 37.6 56.4

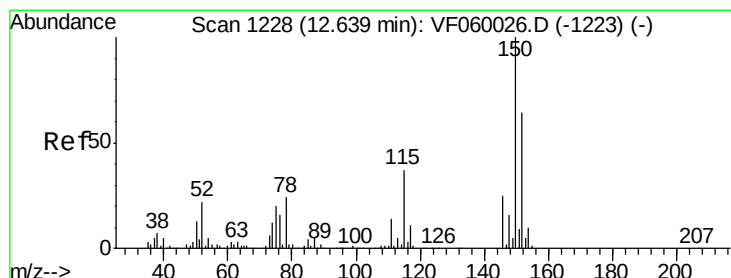
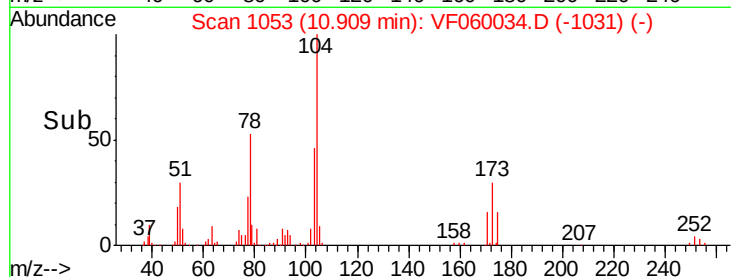
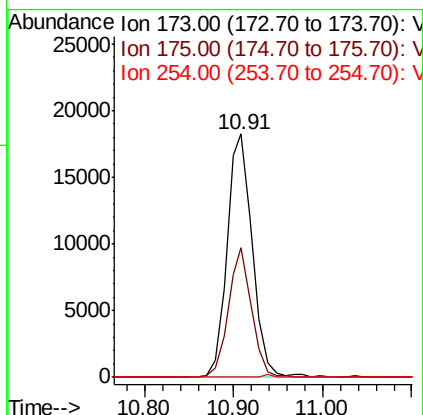
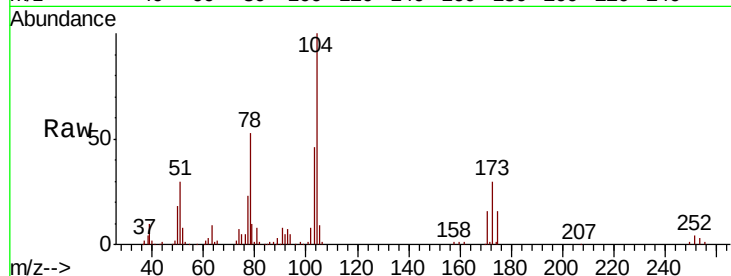




#71
Bromoform
Concen: 19.751 ug/l
RT: 10.91 min Scan# 1053
Delta R.T. 0.01 min
Lab File: VF060034.D
Acq: 22 Aug 2018 12:30

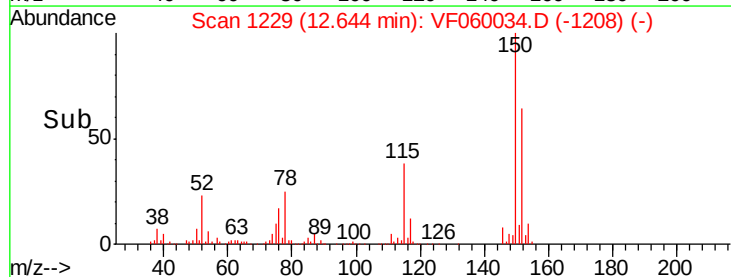
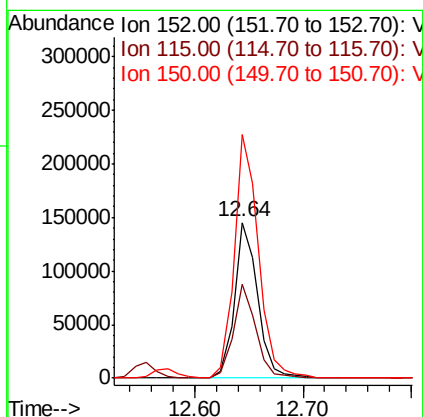
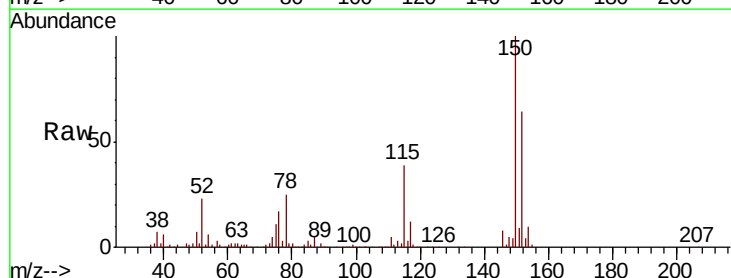
Instrument :
MSVOA_F
ClientSampleId :
VF0822SBS01

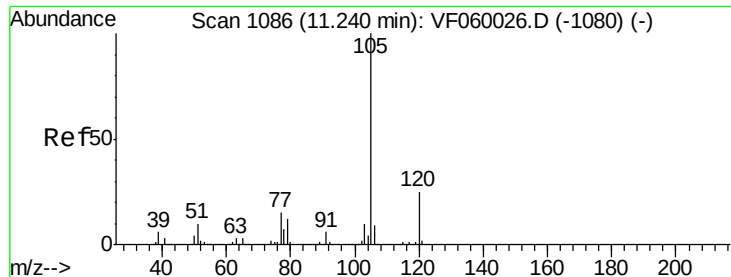
Tgt Ion:173 Resp: 36352
Ion Ratio Lower Upper
173 100
175 53.2 24.7 74.1
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.64 min Scan# 1229
Delta R.T. 0.00 min
Lab File: VF060034.D
Acq: 22 Aug 2018 12:30

Tgt Ion:152 Resp: 215439
Ion Ratio Lower Upper
152 100
115 60.4 28.6 85.9
150 156.8 0.0 312.0





#73

Isopropylbenzene

Concen: 22.818 ug/l

RT: 11.24 min Scan# 1087

Delta R.T. 0.00 min

Lab File: VF060034.D

Acq: 22 Aug 2018 12:30

Instrument :

MSVOA_F

ClientSampleId :

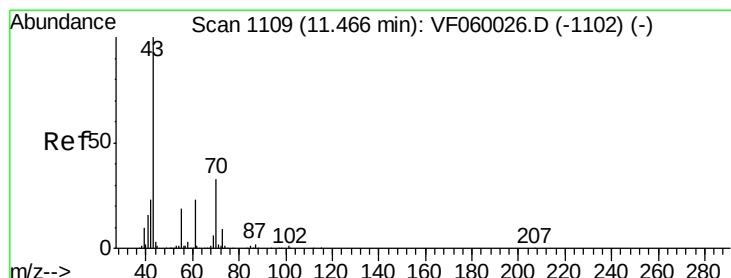
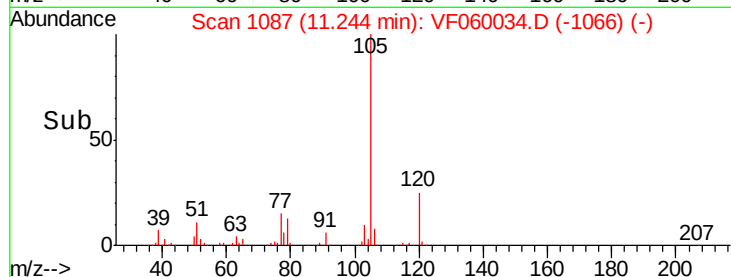
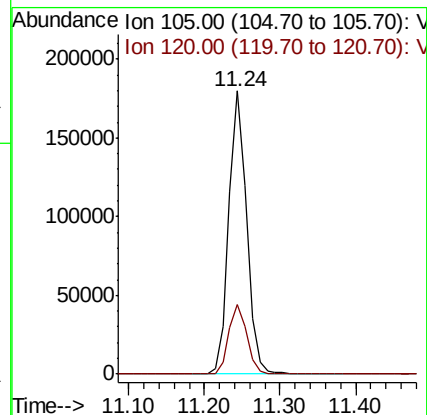
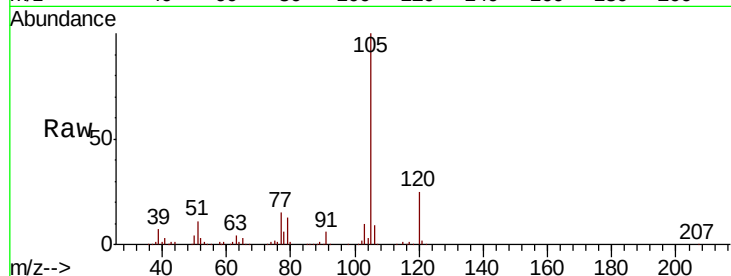
VF0822SBS01

Tgt Ion:105 Resp: 295905

Ion Ratio Lower Upper

105 100

120 24.5 12.7 38.0



#74

N-ethyl acetate

Concen: 21.367 ug/l

RT: 11.48 min Scan# 1111

Delta R.T. 0.01 min

Lab File: VF060034.D

Acq: 22 Aug 2018 12:30

Tgt Ion: 43 Resp: 86128

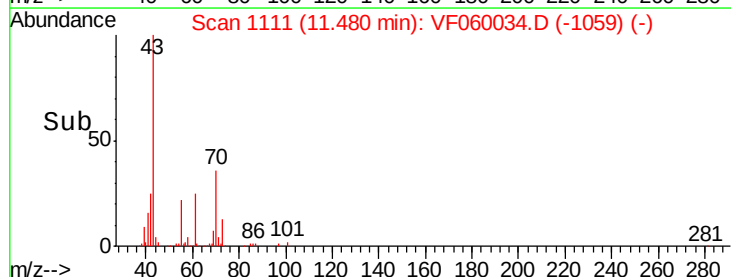
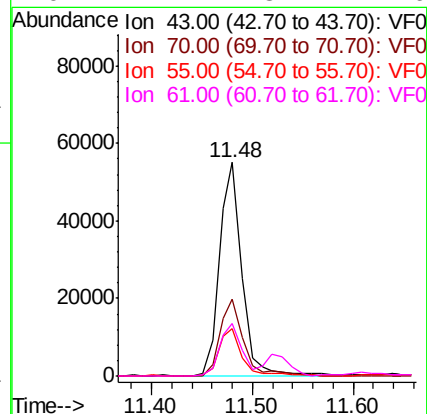
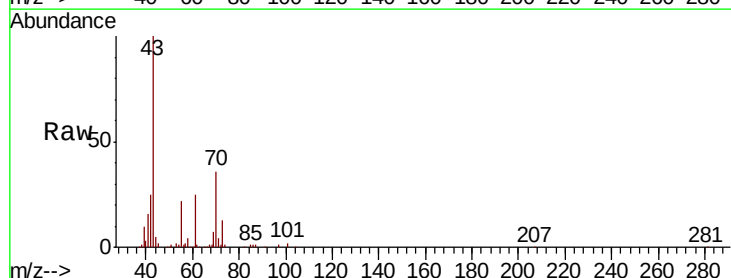
Ion Ratio Lower Upper

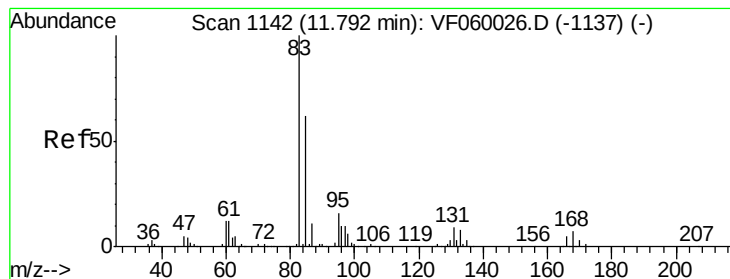
43 100

70 35.8 26.4 39.6

55 22.3 15.0 22.4

61 24.7 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 22.240 ug/l

RT: 11.80 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VF060034.D

Acq: 22 Aug 2018 12:30

Instrument :

MSVOA_F

ClientSampleId :

VF0822SBS01

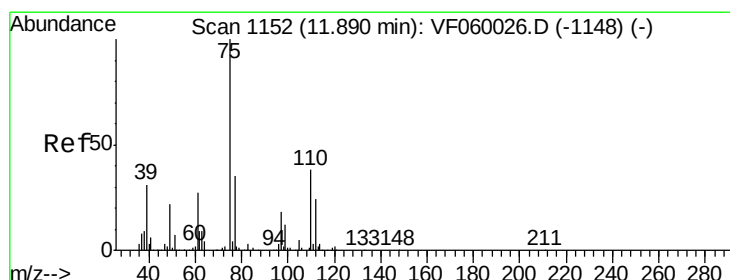
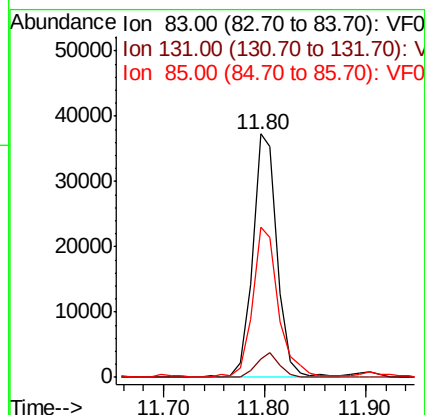
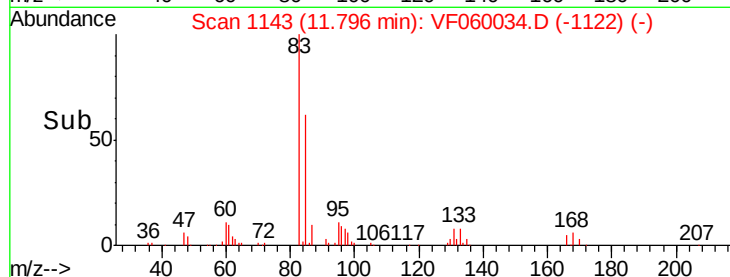
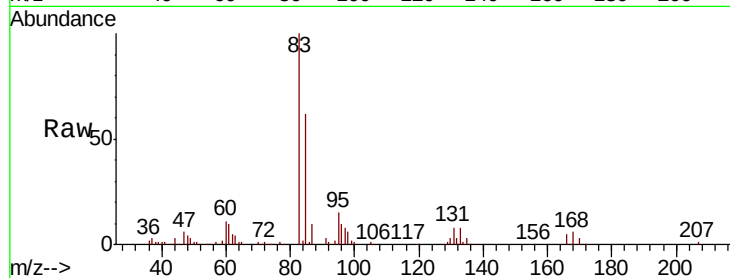
Tgt Ion: 83 Resp: 62988

Ion Ratio Lower Upper

83 100

131 7.8 4.5 13.7

85 61.9 31.3 93.9



#76

1,2,3-Trichloropropane

Concen: 20.736 ug/l

RT: 11.89 min Scan# 1153

Delta R.T. 0.00 min

Lab File: VF060034.D

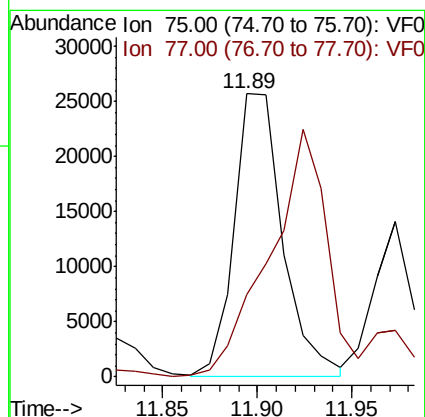
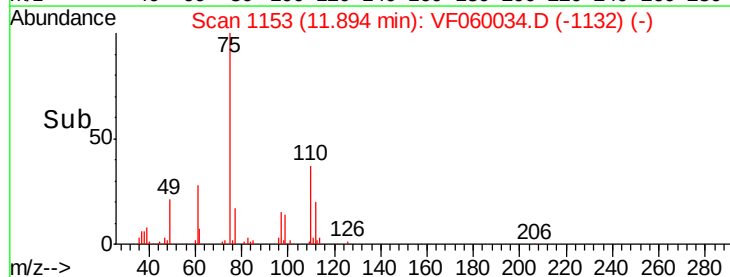
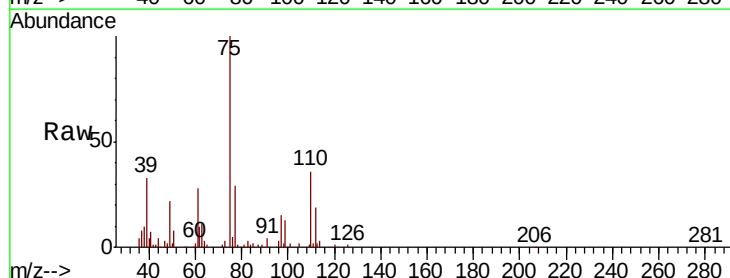
Acq: 22 Aug 2018 12:30

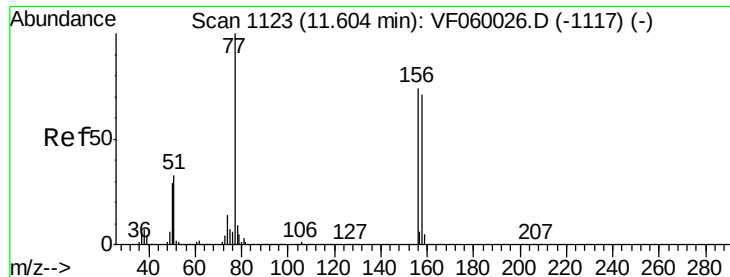
Tgt Ion: 75 Resp: 45542

Ion Ratio Lower Upper

75 100

77 29.2 17.3 52.0





#77

Bromobenzene

Concen: 21.356 ug/l

RT: 11.61 min Scan# 1124

Delta R.T. 0.00 min

Lab File: VF060034.D

Acq: 22 Aug 2018 12:30

Instrument :

MSVOA_F

ClientSampleId :

VF0822SBS01

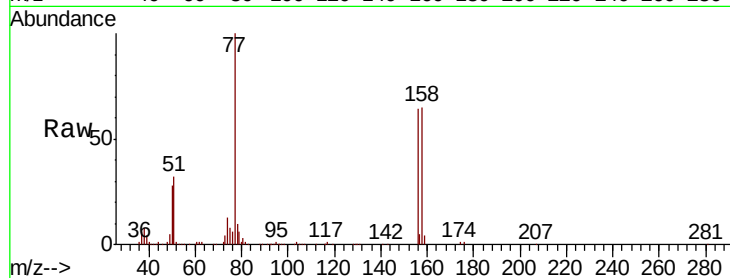
Tgt Ion:156 Resp: 75318

Ion Ratio Lower Upper

156 100

77 155.5 68.0 204.0

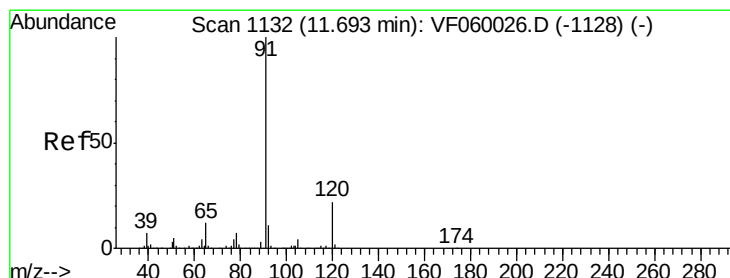
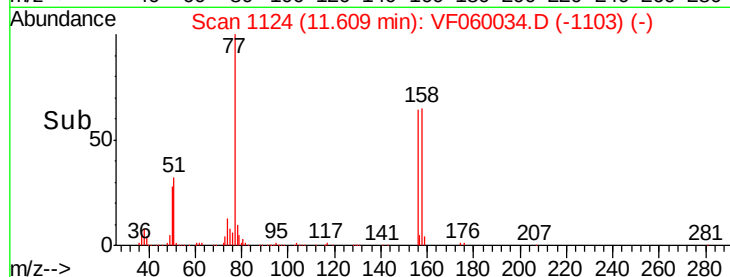
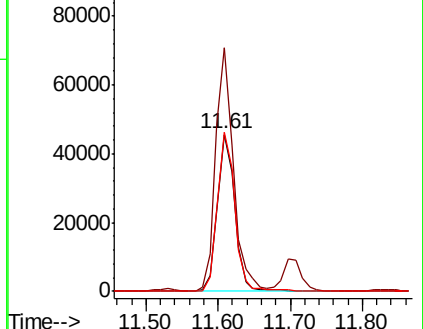
158 101.4 48.4 145.3



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: 22.818 ug/l

RT: 11.71 min Scan# 1134

Delta R.T. 0.01 min

Lab File: VF060034.D

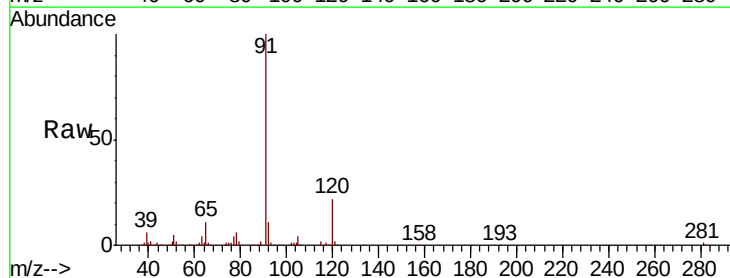
Acq: 22 Aug 2018 12:30

Tgt Ion: 91 Resp: 365222

Ion Ratio Lower Upper

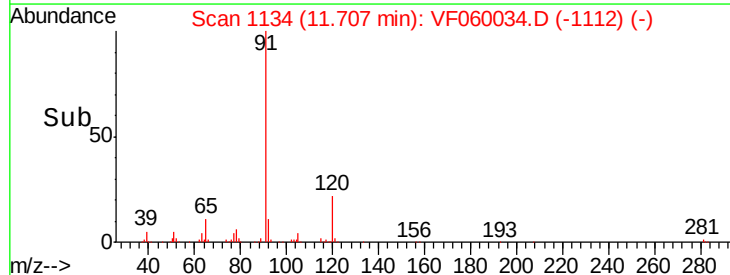
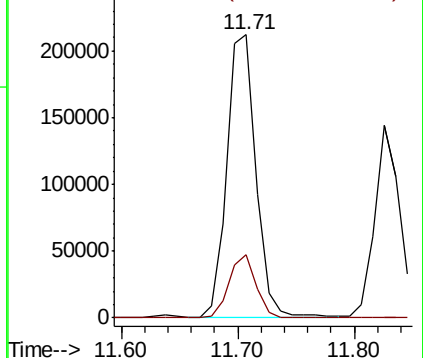
91 100

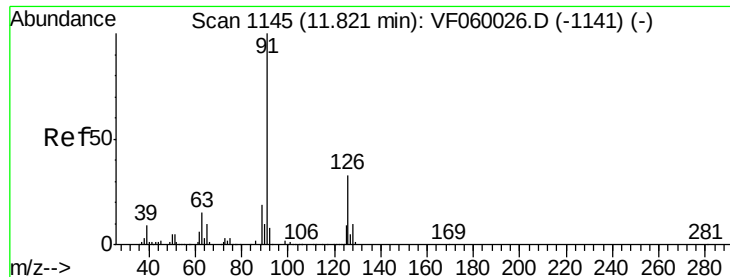
120 22.2 10.9 32.7



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 22.511 ug/l

RT: 11.83 min Scan# 1146

Delta R.T. 0.00 min

Lab File: VF060034.D

Acq: 22 Aug 2018 12:30

Instrument :

MSVOA_F

ClientSampleId :

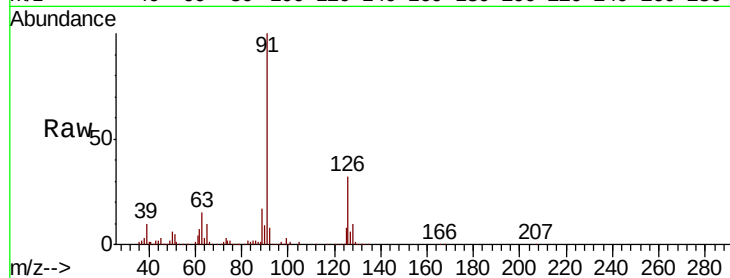
VF0822SBS01

Tgt Ion: 91 Resp: 211870

Ion Ratio Lower Upper

91 100

126 32.1 16.6 49.7



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

11.83

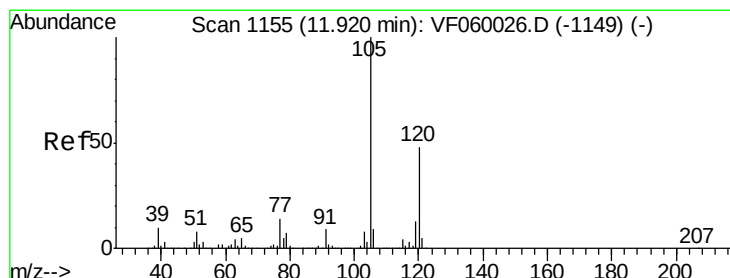
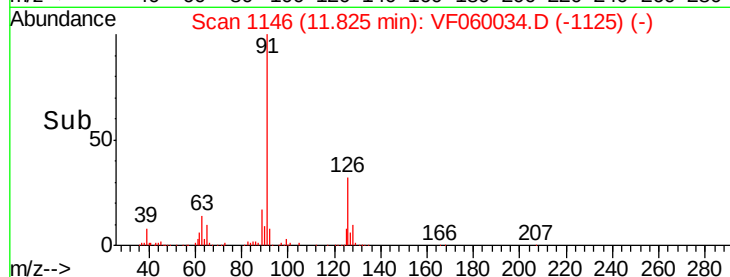
150000

100000

50000

0

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 22.280 ug/l

RT: 11.92 min Scan# 1156

Delta R.T. 0.00 min

Lab File: VF060034.D

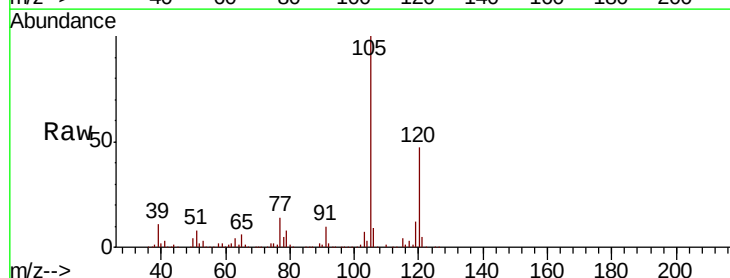
Acq: 22 Aug 2018 12:30

Tgt Ion: 105 Resp: 251721

Ion Ratio Lower Upper

105 100

120 47.4 23.8 71.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.92

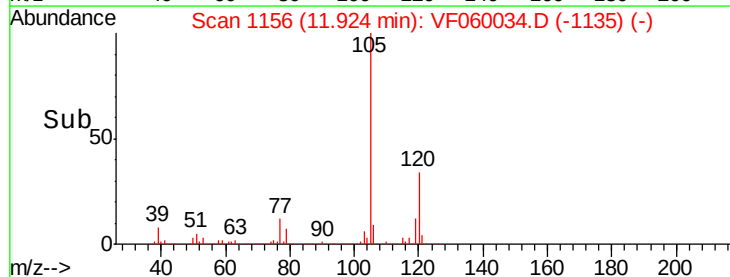
150000

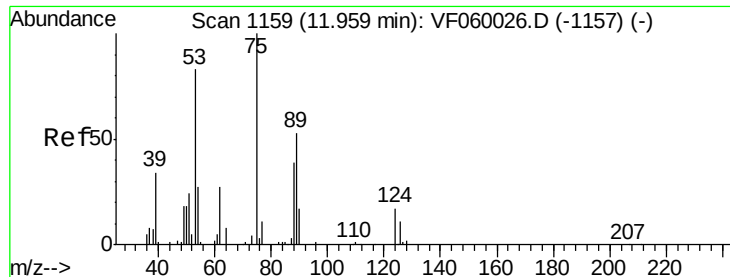
100000

50000

0

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 28.387 ug/l

RT: 11.97 min Scan# 1161

Delta R.T. 0.01 min

Lab File: VF060034.D

Acq: 22 Aug 2018 12:30

Instrument :

MSVOA_F

ClientSampleId :

VF0822SBS01

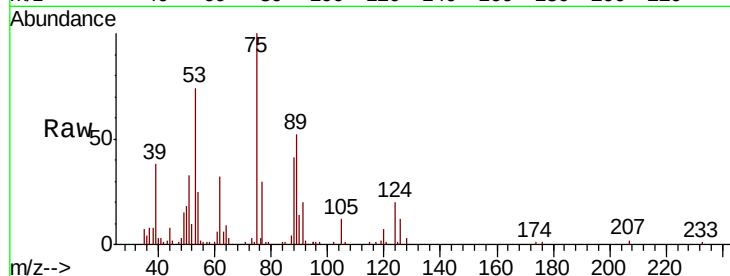
Tgt Ion: 75 Resp: 28526

Ion Ratio Lower Upper

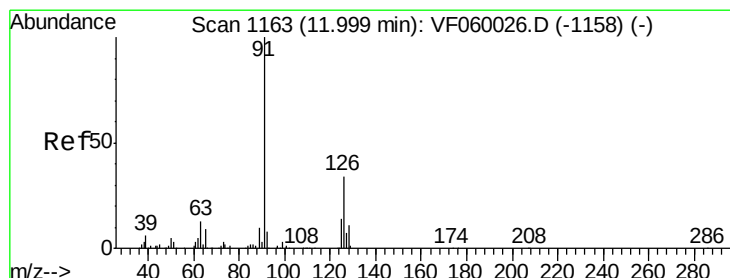
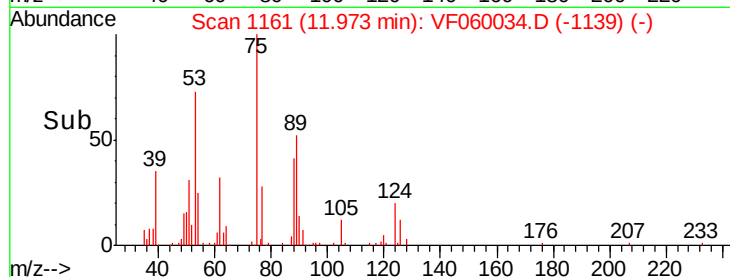
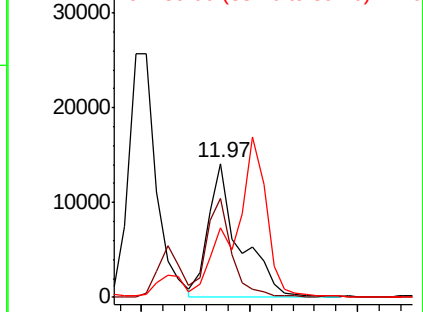
75 100

53 74.2 66.2 99.4

89 52.1 42.8 64.2



Abundance Ion 75.00 (74.70 to 75.70): VF0
Ion 53.00 (52.70 to 53.70): VF0
Ion 89.00 (88.70 to 89.70): VF0



#82

4-Chlorotoluene

Concen: 22.065 ug/l

RT: 12.00 min Scan# 1164

Delta R.T. 0.00 min

Lab File: VF060034.D

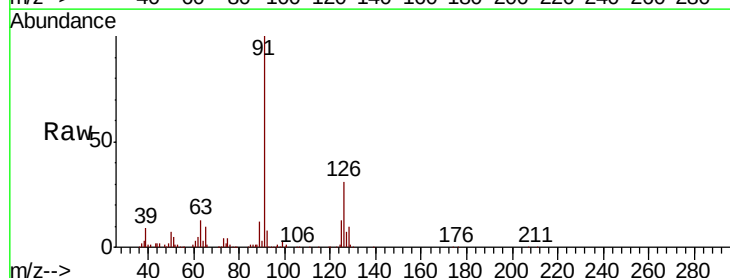
Acq: 22 Aug 2018 12:30

Tgt Ion: 91 Resp: 225467

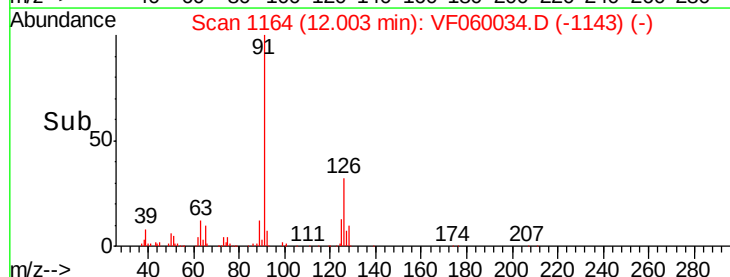
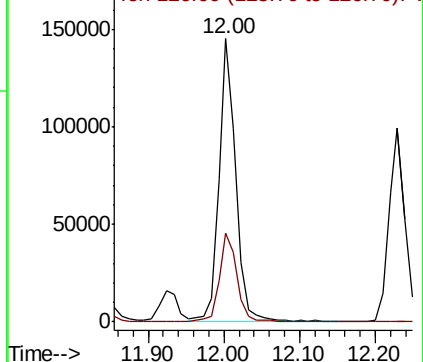
Ion Ratio Lower Upper

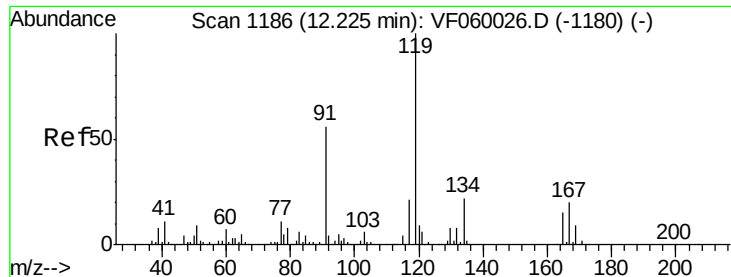
91 100

126 31.5 17.0 50.9



Abundance Ion 91.00 (90.70 to 91.70): VF0
Ion 126.00 (125.70 to 126.70): V

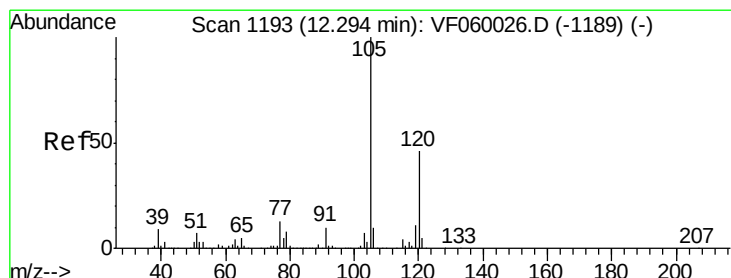
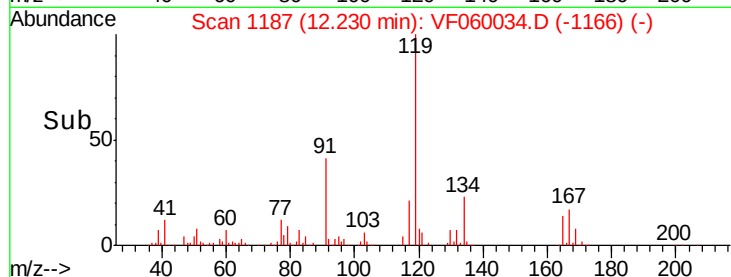
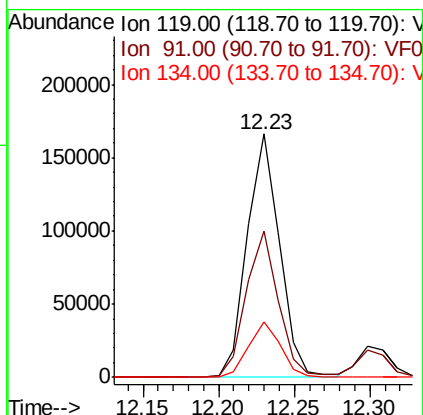
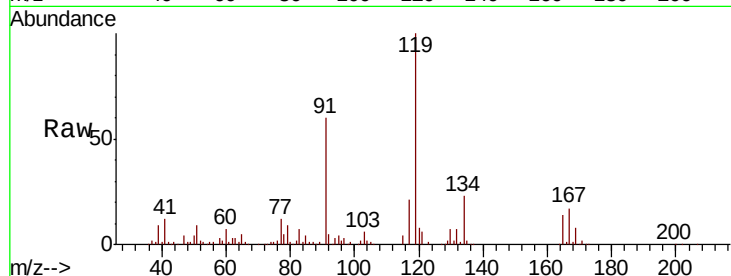




#83
 tert-Butylbenzene
 Concen: 22.660 ug/l
 RT: 12.23 min Scan# 1187
 Delta R.T. 0.00 min
 Lab File: VF060034.D
 Acq: 22 Aug 2018 12:30

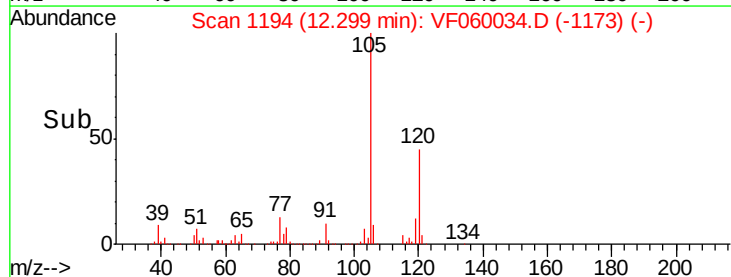
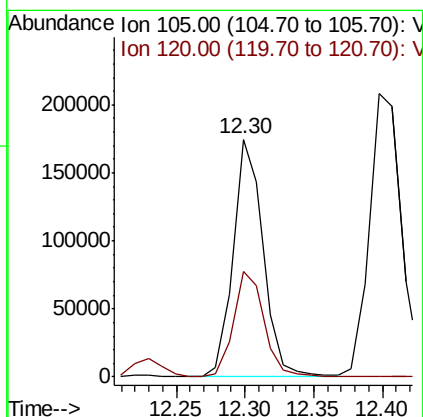
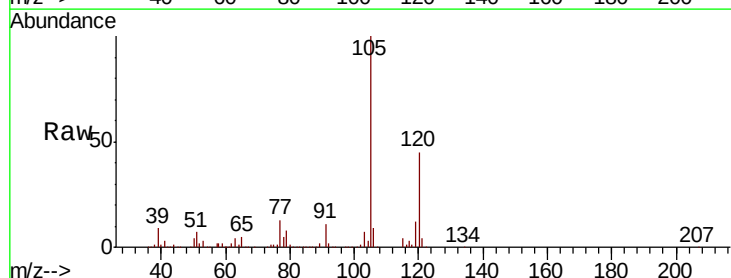
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0822SBS01

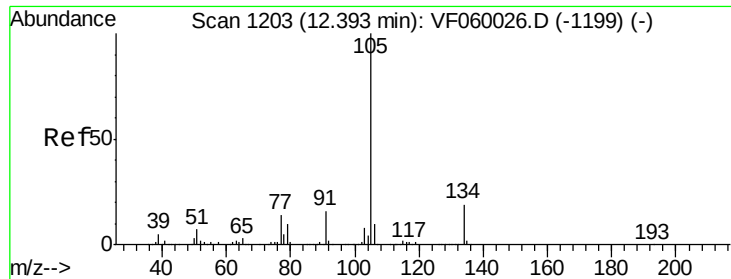
Tgt Ion:119 Resp: 249698
 Ion Ratio Lower Upper
 119 100
 91 59.9 28.1 84.3
 134 23.0 11.1 33.3



#84
 1,2,4-Trimethylbenzene
 Concen: 22.035 ug/l
 RT: 12.30 min Scan# 1194
 Delta R.T. 0.00 min
 Lab File: VF060034.D
 Acq: 22 Aug 2018 12:30

Tgt Ion:105 Resp: 264672
 Ion Ratio Lower Upper
 105 100
 120 44.5 23.3 69.8





#85

sec-Butylbenzene

Concen: 22.082 ug/l

RT: 12.40 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VF060034.D

Acq: 22 Aug 2018 12:30

Instrument :

MSVOA_F

ClientSampleId :

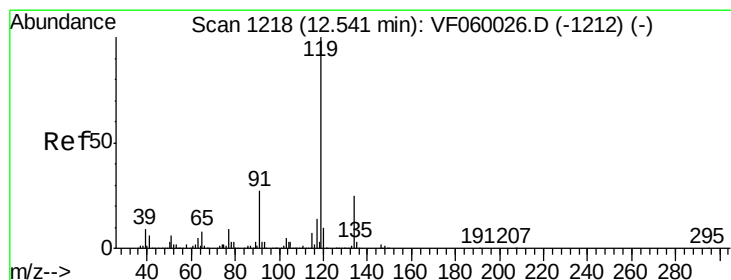
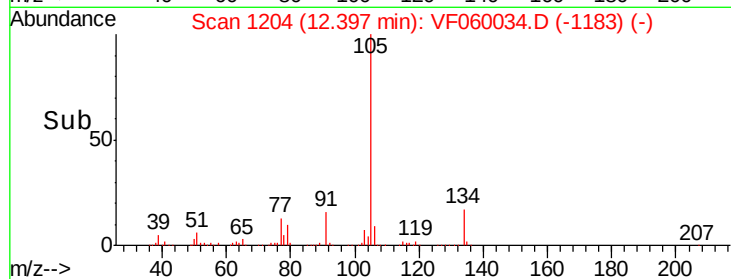
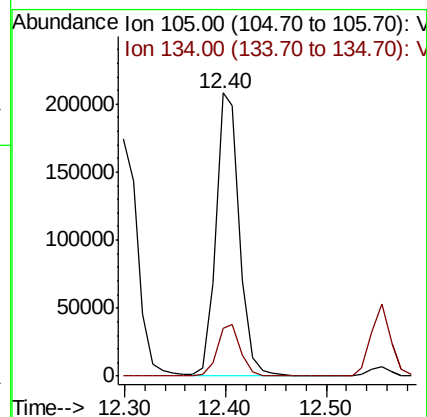
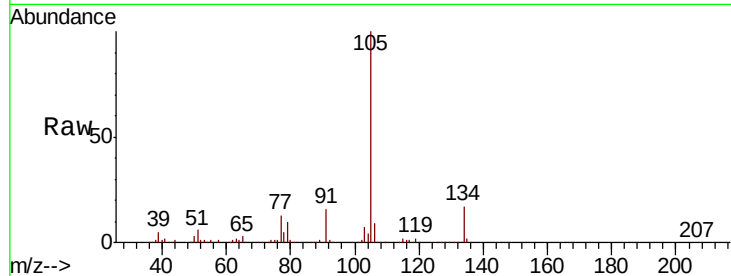
VF0822SBS01

Tgt Ion:105 Resp: 338753

Ion Ratio Lower Upper

105 100

134 17.0 9.3 27.9



#86

p-Isopropyltoluene

Concen: 23.072 ug/l

RT: 12.55 min Scan# 1220

Delta R.T. 0.01 min

Lab File: VF060034.D

Acq: 22 Aug 2018 12:30

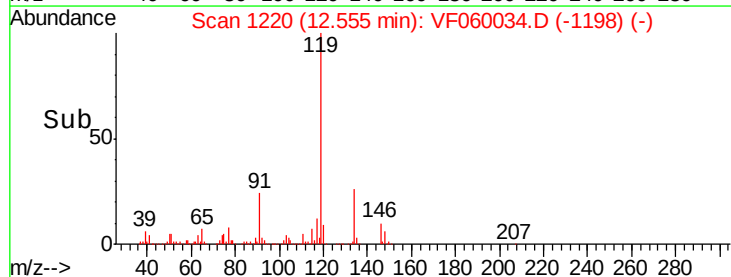
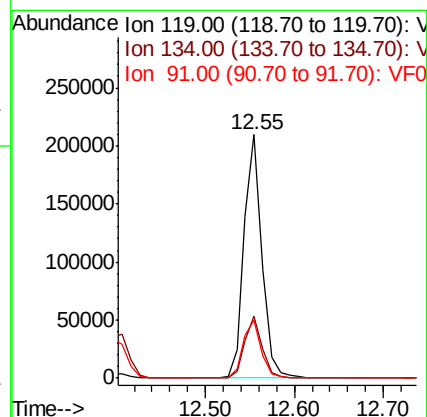
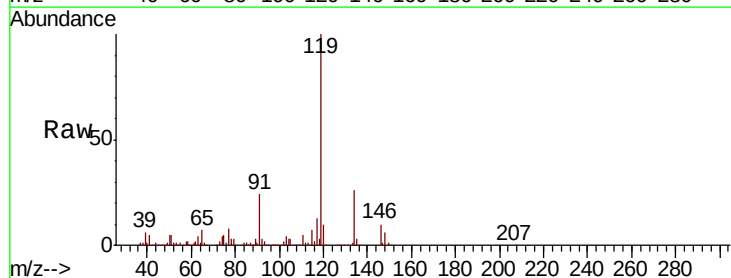
Tgt Ion:119 Resp: 293644

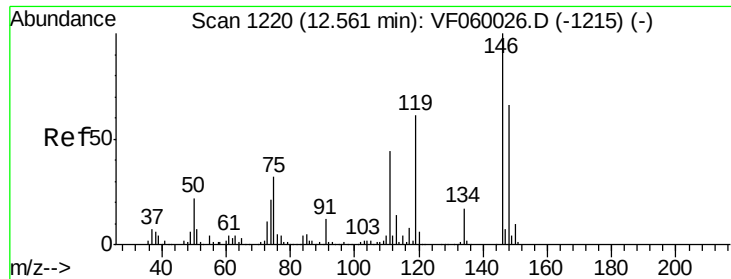
Ion Ratio Lower Upper

119 100

134 25.5 12.4 37.2

91 23.8 13.5 40.4

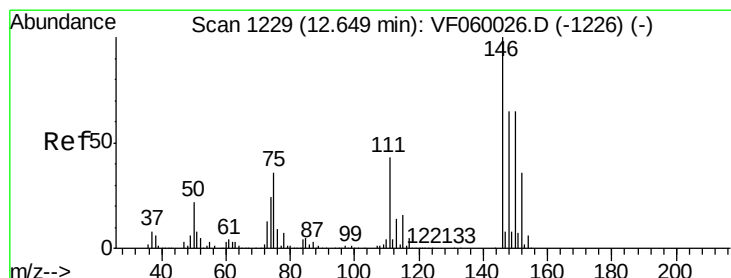
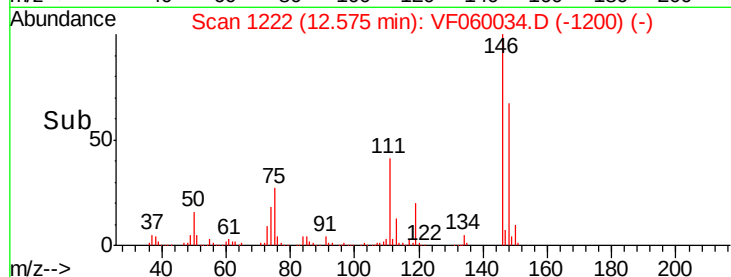
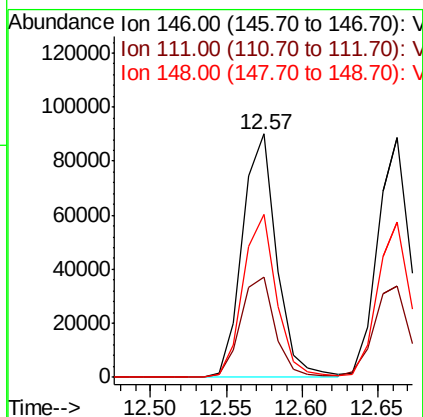
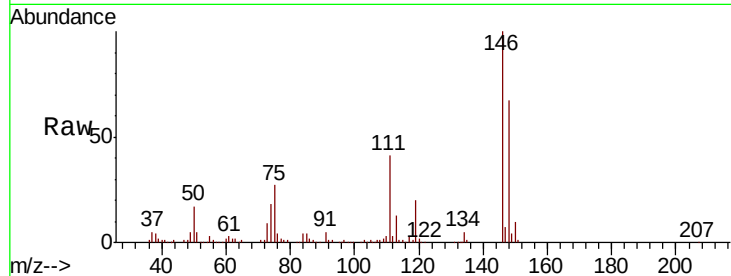




#87
 1,3-Dichlorobenzene
 Concen: 21.757 ug/l
 RT: 12.57 min Scan# 1222
 Delta R.T. 0.01 min
 Lab File: VF060034.D
 Acq: 22 Aug 2018 12:30

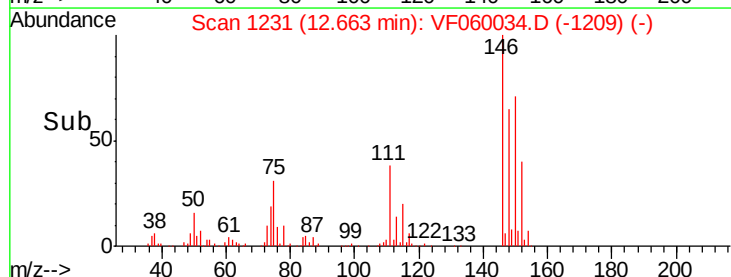
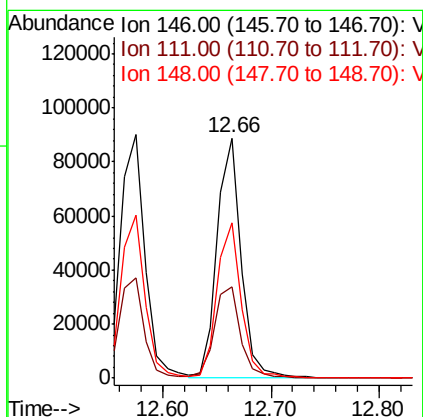
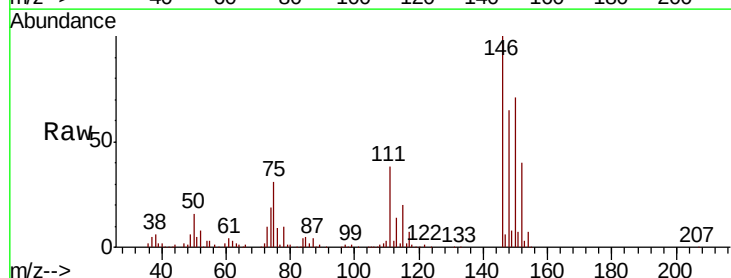
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0822SBS01

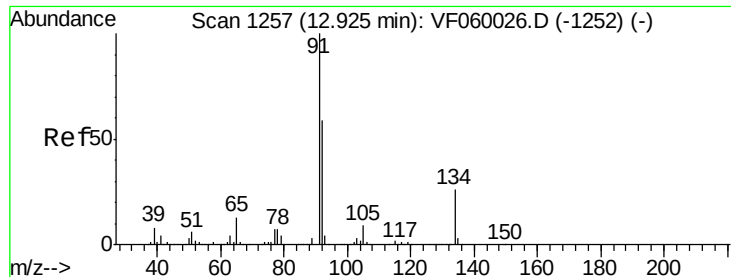
Tgt Ion:146 Resp: 141876
 Ion Ratio Lower Upper
 146 100
 111 41.2 21.9 65.5
 148 66.8 32.9 98.7



#88
 1,4-Dichlorobenzene
 Concen: 21.033 ug/l
 RT: 12.66 min Scan# 1231
 Delta R.T. 0.01 min
 Lab File: VF060034.D
 Acq: 22 Aug 2018 12:30

Tgt Ion:146 Resp: 136306
 Ion Ratio Lower Upper
 146 100
 111 38.1 21.6 64.8
 148 64.6 32.3 96.8

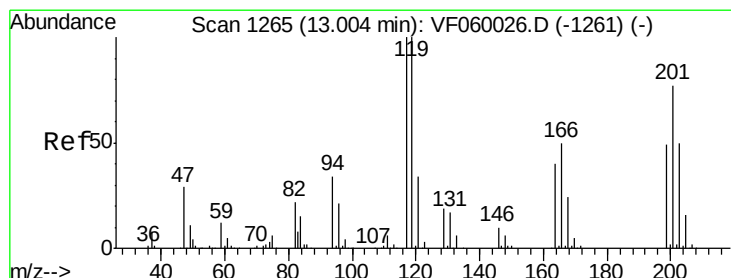
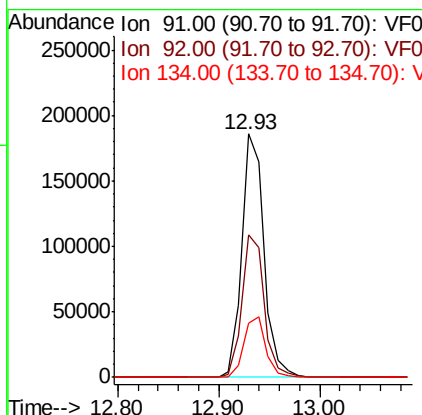
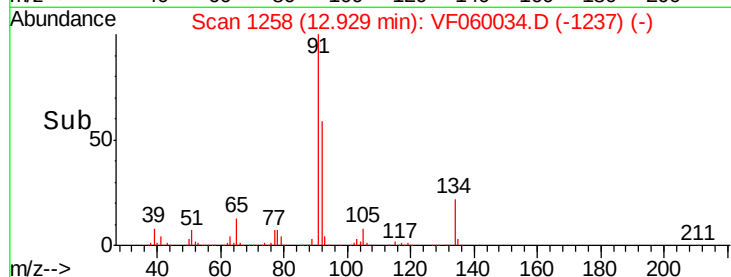
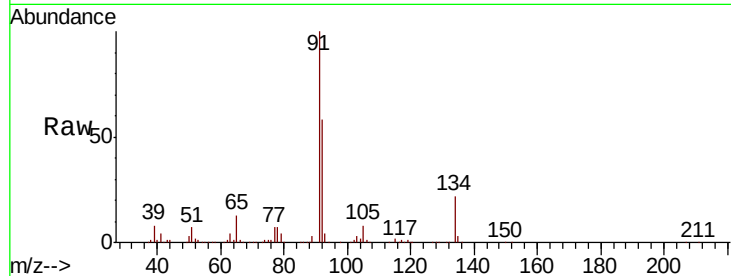




#89
n-Butylbenzene
Concen: 22.986 ug/l
RT: 12.93 min Scan# 1258
Delta R.T. 0.00 min
Lab File: VF060034.D
Acq: 22 Aug 2018 12:30

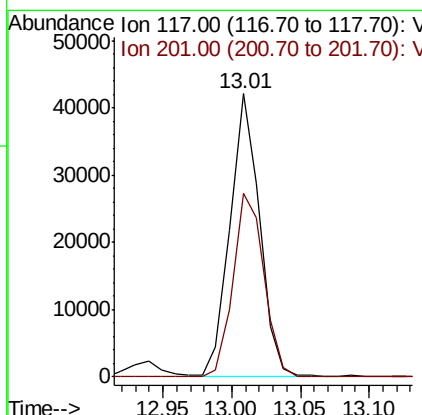
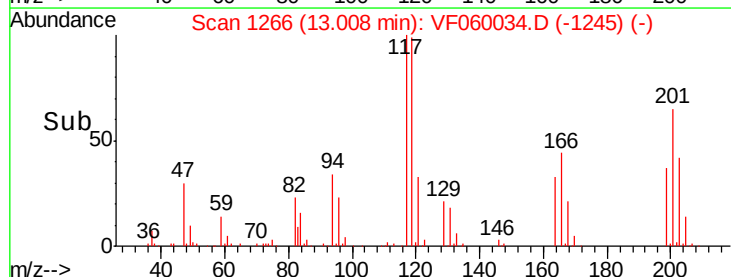
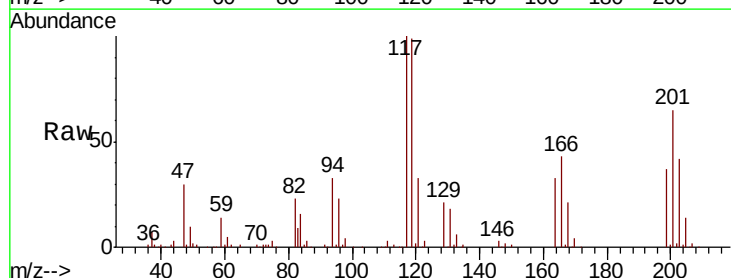
Instrument :
MSVOA_F
ClientSampleId :
VF0822SBS01

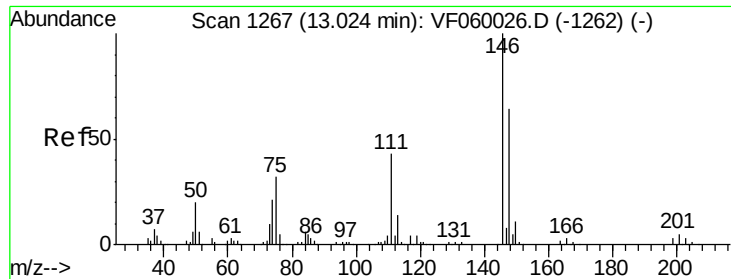
Tgt Ion: 91 Resp: 284226
Ion Ratio Lower Upper
91 100
92 58.5 29.3 87.9
134 22.4 12.8 38.3



#90
Hexachloroethane
Concen: 22.148 ug/l
RT: 13.01 min Scan# 1266
Delta R.T. 0.00 min
Lab File: VF060034.D
Acq: 22 Aug 2018 12:30

Tgt Ion: 117 Resp: 63341
Ion Ratio Lower Upper
117 100
201 64.8 38.6 115.8

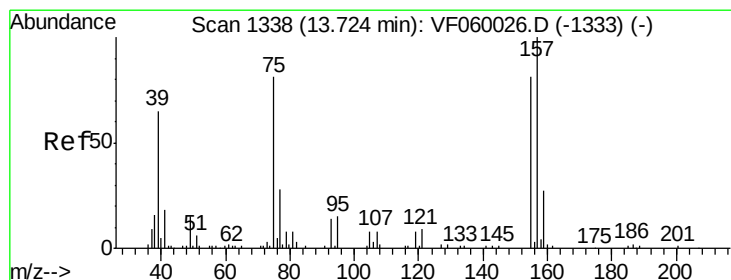
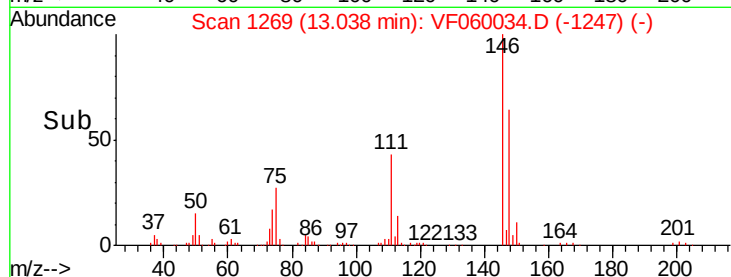
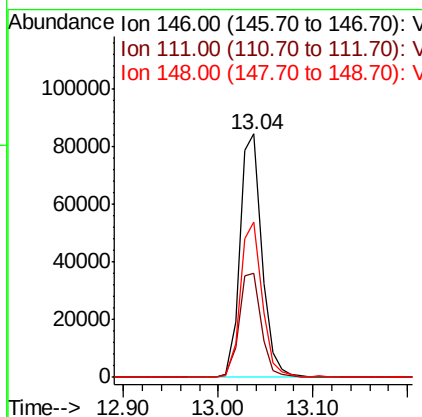
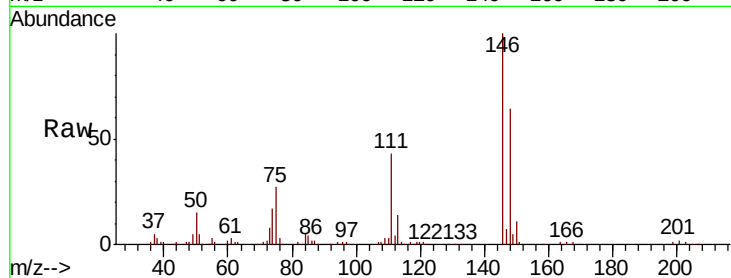




#91
 1,2-Dichlorobenzene
 Concen: 21.597 ug/l
 RT: 13.04 min Scan# 1269
 Delta R.T. 0.01 min
 Lab File: VF060034.D
 Acq: 22 Aug 2018 12:30

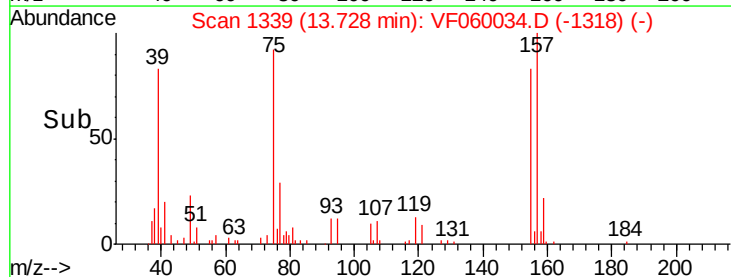
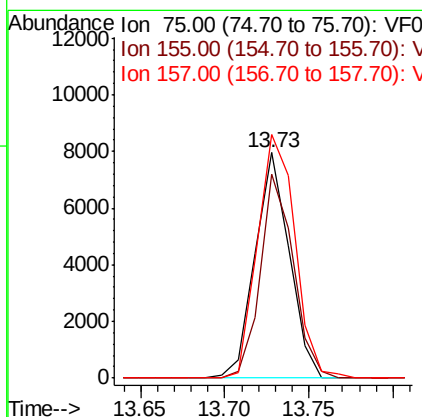
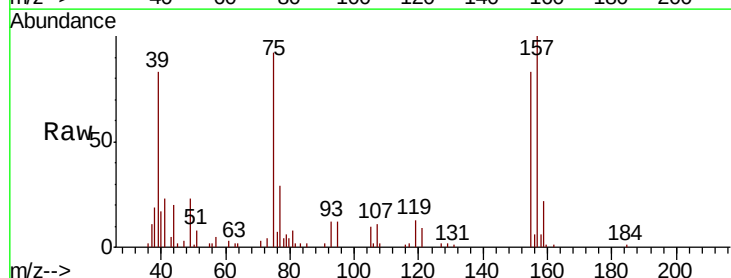
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0822SBS01

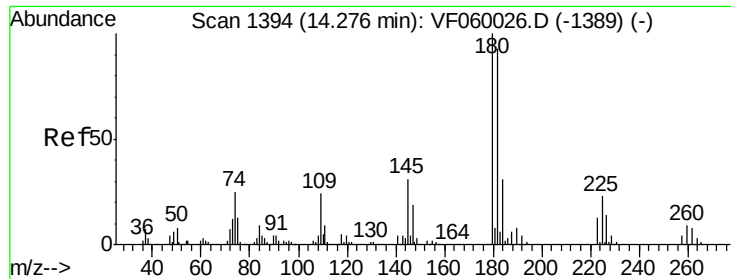
Tgt Ion: 146 Resp: 135444
 Ion Ratio Lower Upper
 146 100
 111 42.8 21.6 64.6
 148 63.9 32.3 96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.338 ug/l
 RT: 13.73 min Scan# 1339
 Delta R.T. 0.00 min
 Lab File: VF060034.D
 Acq: 22 Aug 2018 12:30

Tgt Ion: 75 Resp: 11192
 Ion Ratio Lower Upper
 75 100
 155 90.3 49.8 149.3
 157 108.2 61.6 184.7





#93

1,2,4-Trichlorobenzene

Concen: 22.282 ug/l

RT: 14.28 min Scan# 1395

Delta R.T. 0.00 min

Lab File: VF060034.D

Acq: 22 Aug 2018 12:30

Instrument :

MSVOA_F

ClientSampleId :

VF0822SBS01

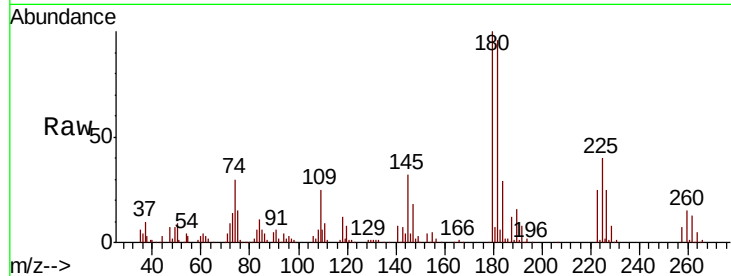
Tgt Ion:180 Resp: 102899

Ion Ratio Lower Upper

180 100

182 96.3 46.8 140.3

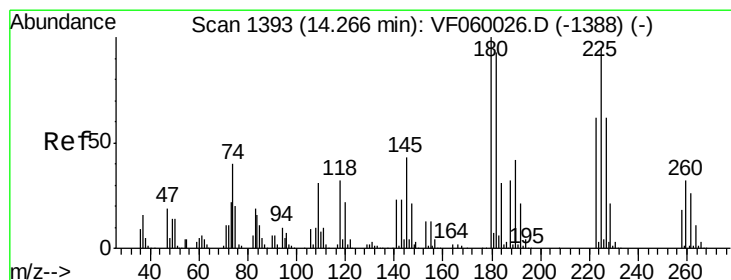
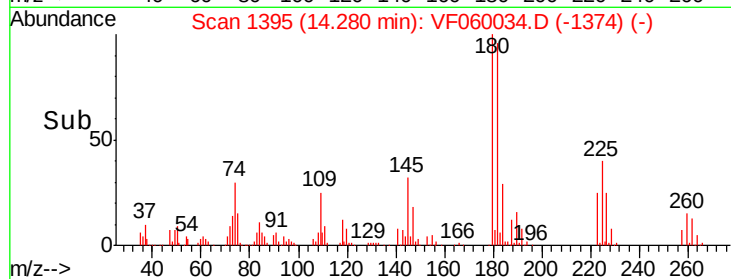
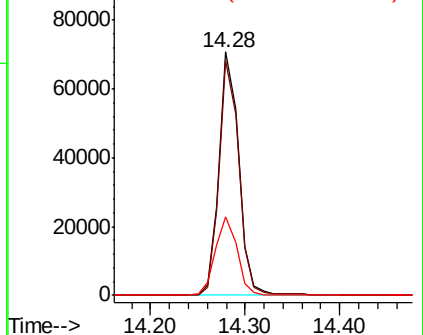
145 32.4 15.4 46.4



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#94

Hexachlorobutadiene

Concen: 21.554 ug/l

RT: 14.27 min Scan# 1394

Delta R.T. 0.00 min

Lab File: VF060034.D

Acq: 22 Aug 2018 12:30

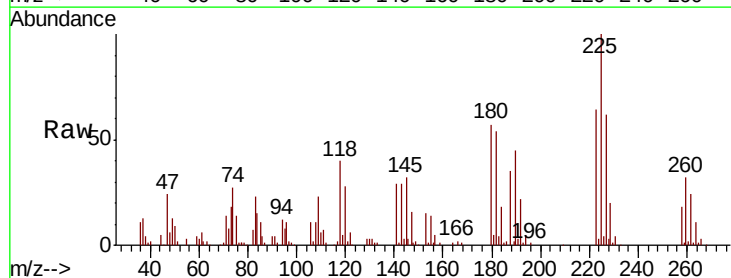
Tgt Ion:225 Resp: 61953

Ion Ratio Lower Upper

225 100

223 63.8 32.6 97.8

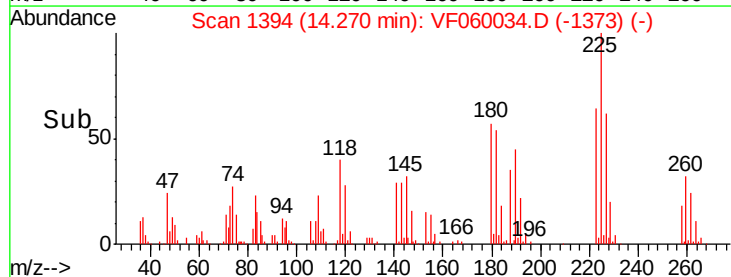
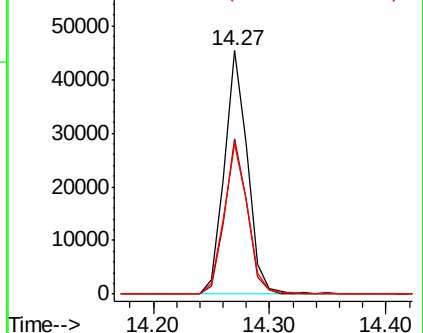
227 61.7 33.0 98.9

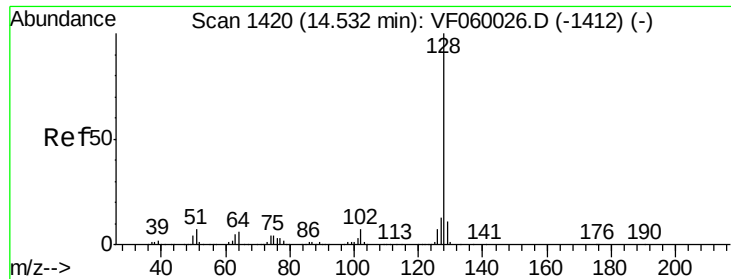


Abundance Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V

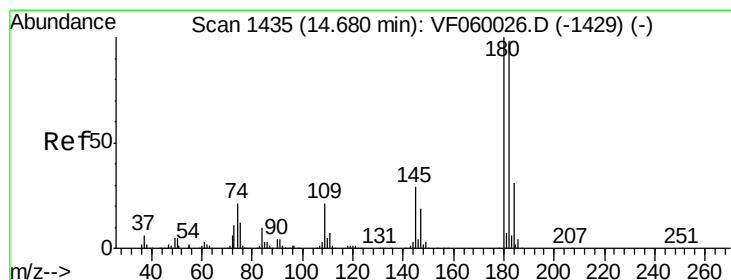
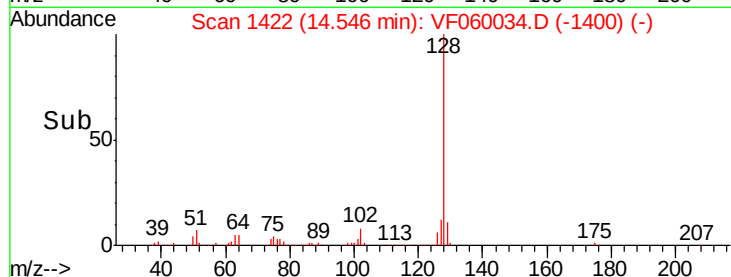
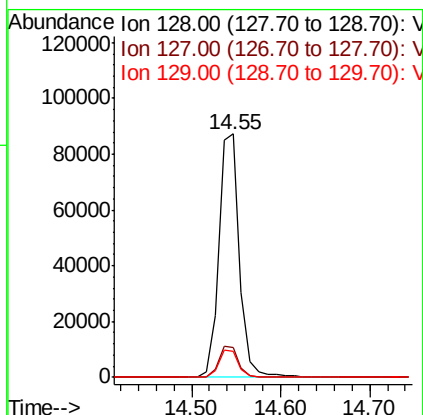
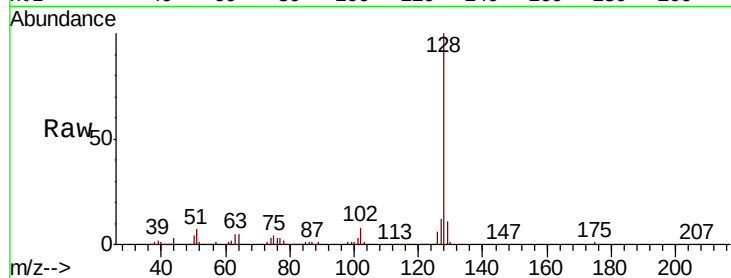




#95
Naphthalene
Concen: 19.123 ug/l
RT: 14.55 min Scan# 1422
Delta R.T. 0.01 min
Lab File: VF060034.D
Acq: 22 Aug 2018 12:30

Instrument :
MSVOA_F
ClientSampleId :
VF0822SBS01

Tgt Ion	Resp	Lower	Upper
128	141373		
127	12.2	10.4	15.6
129	10.9	8.5	12.7



#96
1,2,3-Trichlorobenzene
Concen: 22.111 ug/l
RT: 14.68 min Scan# 1436
Delta R.T. 0.00 min
Lab File: VF060034.D
Acq: 22 Aug 2018 12:30

Tgt Ion	Resp	Lower	Upper
180	97422		
182	92.4	49.0	147.2
145	31.9	14.4	43.2

