

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF012119\
 Data File : VF061471.D
 Acq On : 21 Jan 2019 14:02
 Operator : VA/AP
 Sample : VF0121SBSD01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0121SBSD01

Quant Time: Jan 22 06:28:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 04:51:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	180478	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.59	114	315974	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.78	117	275268	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.55	152	142969	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.84	65	102315	45.92	ug/l	0.01
Spiked Amount			Recovery	=	91.84%	
35) Dibromofluoromethane	4.11	113	116522	46.73	ug/l	0.01
Spiked Amount			Recovery	=	93.46%	
50) Toluene-d8	7.56	98	320974	46.99	ug/l	0.01
Spiked Amount			Recovery	=	93.98%	
62) 4-Bromofluorobenzene	11.40	95	146547	45.91	ug/l	0.00
Spiked Amount			Recovery	=	91.82%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.96	85	70855	19.981	ug/l	98
3) Chloromethane	1.10	50	62573	24.065	ug/l	99
4) Vinyl Chloride	1.14	62	56627	24.482	ug/l	97
5) Bromomethane	1.32	94	33497	22.209	ug/l	86
6) Chloroethane	1.38	64	24487	23.892	ug/l	98
7) Trichlorofluoromethane	1.47	101	93679	20.834	ug/l	96
8) Diethyl Ether	1.63	74	13270	23.032	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	1.82	101	50211	23.240	ug/l	96
10) Methyl Iodide	1.90	142	54090	16.149	ug/l	97
11) Tert butyl alcohol	2.57	59	9642	102.230	ug/l #	92
12) 1,1-Dichloroethene	1.79	96	40169	25.025	ug/l	88
13) Acrolein	1.99	56	7695	101.141	ug/l	96
14) Allyl chloride	2.09	41	60123	34.814	ug/l	97
15) Acrylonitrile	2.94	53	28703	118.807	ug/l	91
16) Acetone	2.23	43	59367	132.809	ug/l	99
17) Carbon Disulfide	1.81	76	121980	24.372	ug/l	98
18) Methyl Acetate	2.34	43	21756	24.542	ug/l	92
19) Methyl tert-butyl Ether	2.43	73	73445	20.411	ug/l	99
20) Methylene Chloride	2.18	84	28175	17.423	ug/l	89
21) trans-1,2-Dichloroethene	2.31	96	39635	22.443	ug/l	94
22) Diisopropyl ether	2.79	45	137300	24.036	ug/l	98
23) Vinyl Acetate	3.19	43	301486	121.654	ug/l	99
24) 1,1-Dichloroethane	2.87	63	81352	22.691	ug/l	97
25) 2-Butanone	4.32	43	88958	119.670	ug/l	97
26) 2,2-Dichloropropane	3.60	77	49824	22.620	ug/l	95
27) cis-1,2-Dichloroethene	3.47	96	59015	22.637	ug/l	95
28) Bromochloromethane	3.72	49	36664	22.751	ug/l #	99
29) Tetrahydrofuran	4.08	42	34256	107.022	ug/l	96
30) Chloroform	3.86	83	106246	21.959	ug/l	98
31) Cyclohexane	3.69	56	87550	24.447	ug/l	93
32) 1,1,1-Trichloroethane	4.09	97	82125	23.149	ug/l	97
36) 1,1-Dichloropropene	4.28	75	82073	22.403	ug/l #	94
37) Ethyl Acetate	4.11	43	29947	20.449	ug/l #	93
38) Carbon Tetrachloride	3.99	117	69750	21.778	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.46	83	96364	24.271	ug/l	94
40) Benzene	4.64	78	195980	24.041	ug/l	99
41) Methacrylonitrile	4.75	41	17913	22.988	ug/l	95
42) 1,2-Dichloroethane	4.94	62	60922	20.972	ug/l	98
43) Isopropyl Acetate	6.96	43	40549	22.062	ug/l #	94
44) Trichloroethene	5.51	130	58002	23.194	ug/l	98
45) 1,2-Dichloropropane	6.24	63	50398	23.556	ug/l	92
46) Dibromomethane	6.09	93	29236	20.550	ug/l	93
47) Bromodichloromethane	6.38	83	74788	21.247	ug/l	98
48) Methyl methacrylate	6.72	41	24101	19.527	ug/l #	87
49) 1,4-Dioxane	6.70	88	3380	347.002	ug/l #	81
51) 4-Methyl-2-Pentanone	8.26	43	158225	117.099	ug/l	98
52) Toluene	7.63	92	108656	20.240	ug/l	97
53) t-1,3-Dichloropropene	8.28	75	61374	21.958	ug/l	99
54) cis-1,3-Dichloropropene	7.30	75	78837	22.565	ug/l	96
55) 1,1,2-Trichloroethane	8.49	97	33749	22.138	ug/l	97
56) Ethyl methacrylate	8.62	69	39248	22.129	ug/l	92
57) 1,3-Dichloropropane	8.85	76	61227	21.427	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.29	63	20635	126.255	ug/l	94
59) 2-Hexanone	9.49	43	118116	125.359	ug/l	100
60) Dibromochloromethane	8.71	129	46647	20.930	ug/l	94
61) 1,2-Dibromoethane	8.98	107	37221	21.328	ug/l	98
64) Tetrachloroethene	8.16	164	45500	21.980	ug/l	92
65) Chlorobenzene	9.80	112	128055	22.876	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.92	131	52084	23.357	ug/l	96
67) Ethyl Benzene	9.90	91	242593	23.720	ug/l	100
68) m/p-Xylenes	10.13	106	176791	48.061	ug/l	100
69) o-Xylene	10.71	106	95942	24.065	ug/l	95
70) Styrene	10.78	104	127866	23.430	ug/l	98
71) Bromoform	10.77	173	22380	22.337	ug/l #	98
73) Isopropylbenzene	11.13	105	287003	24.682	ug/l	99
74) N-amyl acetate	11.37	43	69372	25.230	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.69	83	48852	23.583	ug/l	96
76) 1,2,3-Trichloropropane	11.80	75	33101	22.238	ug/l	87
77) Bromobenzene	11.49	156	58092	23.656	ug/l	91
78) n-propylbenzene	11.59	91	334955	22.198	ug/l	97
79) 2-Chlorotoluene	11.72	91	187409	23.229	ug/l	96
80) 1,3,5-Trimethylbenzene	11.82	105	231197	24.638	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.87	75	21067	32.559	ug/l	91
82) 4-Chlorotoluene	11.90	91	185217	22.750	ug/l	97
83) tert-Butylbenzene	12.13	119	224918	23.157	ug/l	95
84) 1,2,4-Trimethylbenzene	12.20	105	217287	22.480	ug/l	95
85) sec-Butylbenzene	12.30	105	332358	25.198	ug/l	94
86) p-Isopropyltoluene	12.46	119	263847	24.368	ug/l	98
87) 1,3-Dichlorobenzene	12.47	146	109559	21.266	ug/l	98
88) 1,4-Dichlorobenzene	12.56	146	105530	22.741	ug/l	99
89) n-Butylbenzene	12.84	91	272508	24.404	ug/l	98
90) Hexachloroethane	12.91	117	60667	23.769	ug/l	89
91) 1,2-Dichlorobenzene	12.94	146	101331	22.058	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.64	75	7572	20.609	ug/l	80

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QLast Update : Wed Jan 16 04:51:59 2019
Response via : Initial Calibration

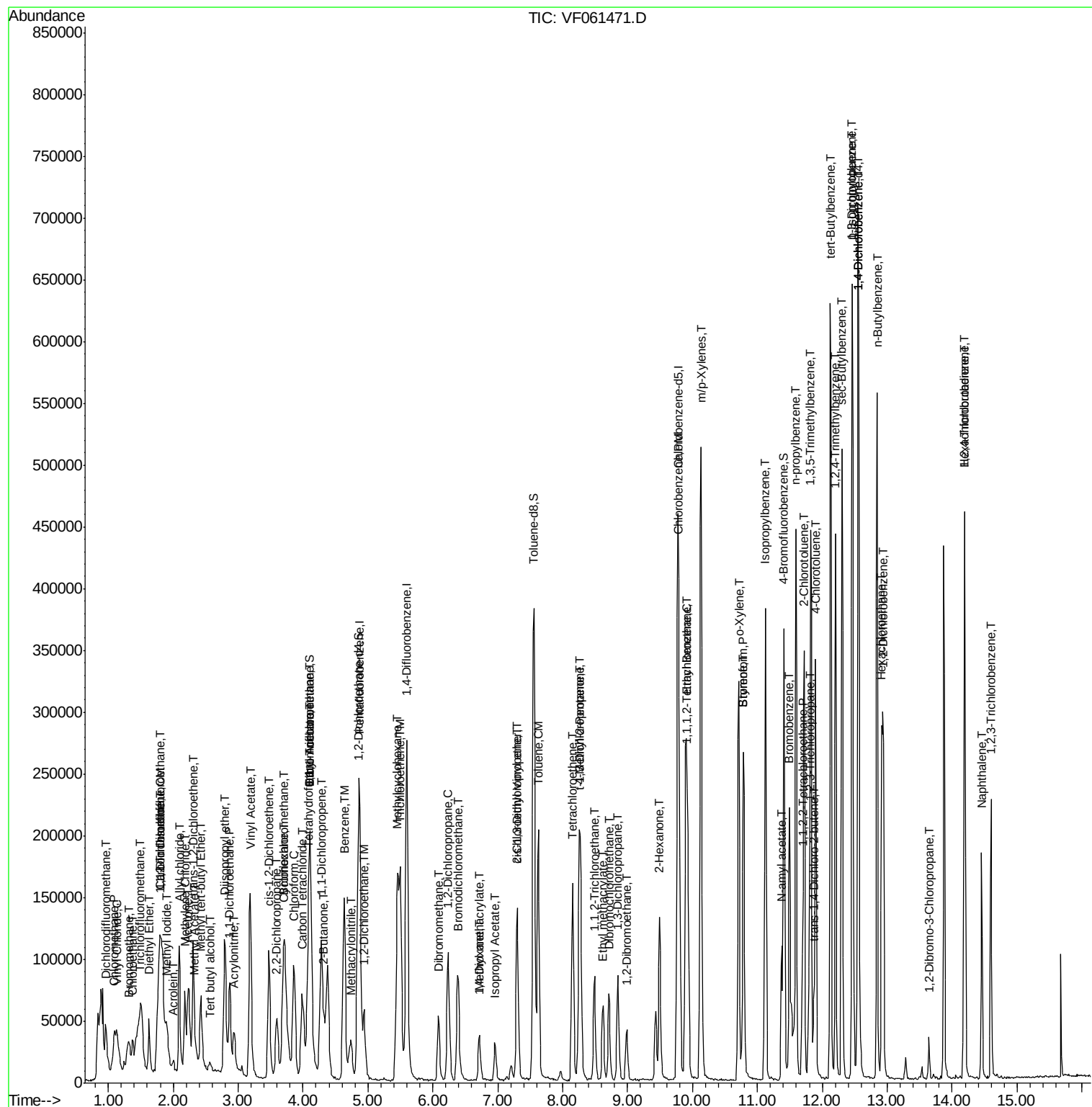
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	69329	21.543	ug/l	100
94) Hexachlorobutadiene	14.19	225	43449	21.758	ug/l	98
95) Naphthalene	14.45	128	118215	19.335	ug/l	98
96) 1,2,3-Trichlorobenzene	14.60	180	56151	18.849	ug/l	96

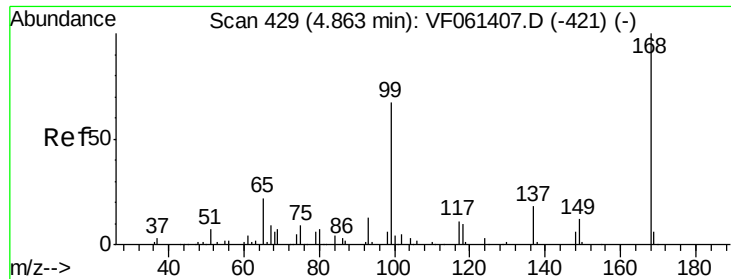
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF012119\
 Data File : VF061471.D
 Acq On : 21 Jan 2019 14:02
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.87 min Scan# 430

Delta R.T. 0.01 min

Lab File: VF061471.D

Acq: 21 Jan 2019 14:02

Instrument :

MSVOA_F

ClientSampleId :

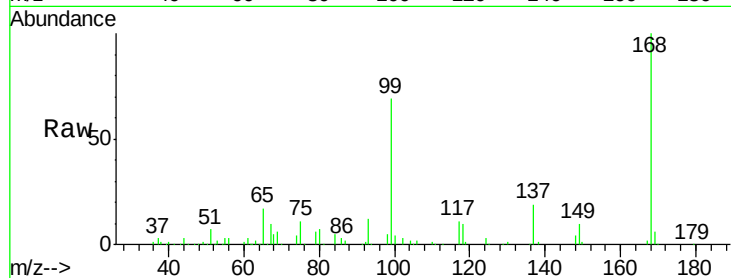
VF0121SBS01

Tot Ion:168 Resp: 180478

Ion Ratio Lower Upper

168 100

99 68.6 53.5 80.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.87

60000

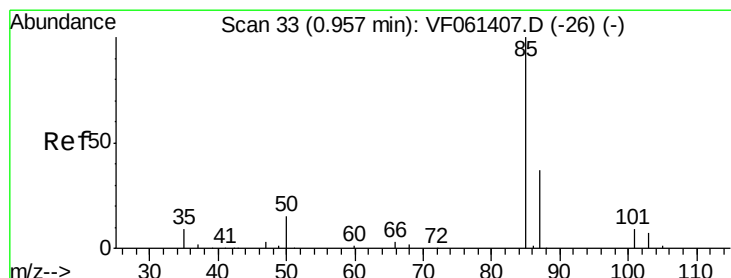
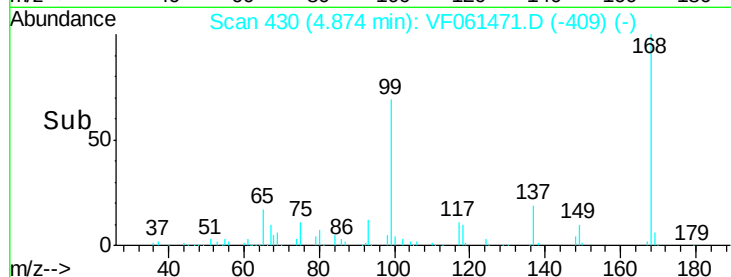
40000

20000

0

Time-->

4.70 4.80 4.90 5.00 5.10



#2

Dichlorodifluoromethane

Concen: 19.981 ug/l

RT: 0.96 min Scan# 33

Delta R.T. 0.00 min

Lab File: VF061471.D

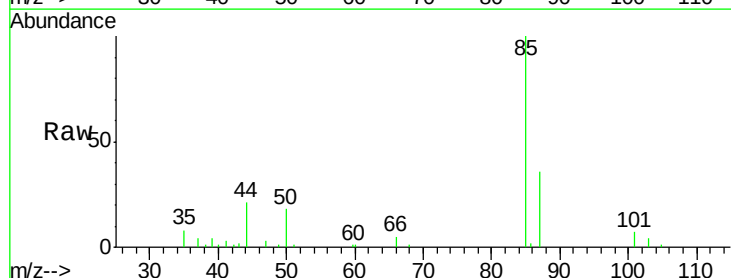
Acq: 21 Jan 2019 14:02

Tgt Ion: 85 Resp: 70855

Ion Ratio Lower Upper

85 100

87 35.6 18.4 55.0



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

25000

20000

15000

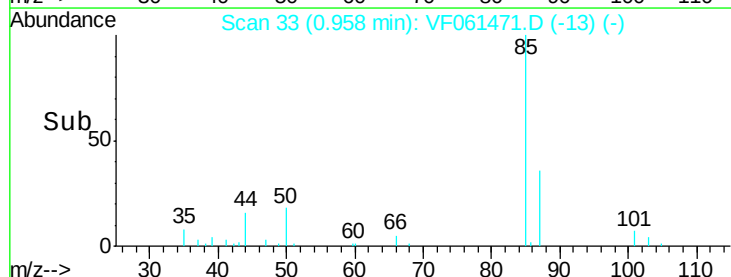
10000

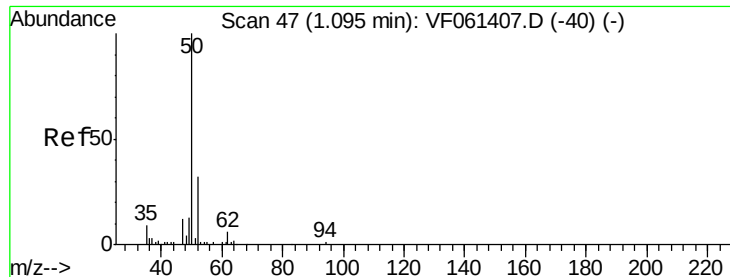
5000

0

Time-->

0.90 1.00 1.10





#3

Chloromethane

Concen: 24.065 ug/l

RT: 1.10 min Scan# 47

Delta R.T. 0.00 min

Lab File: VF061471.D

Acq: 21 Jan 2019 14:02

Instrument :

MSVOA_F

ClientSampleId :

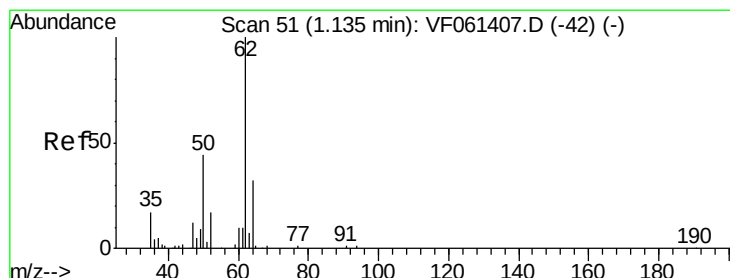
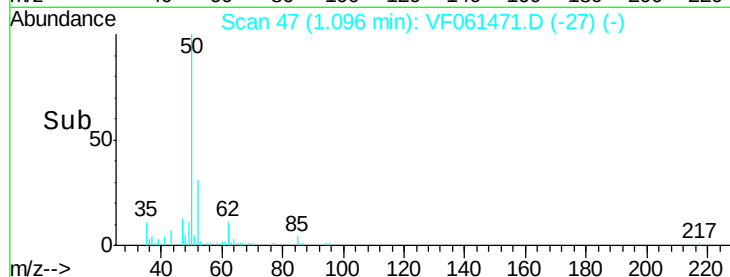
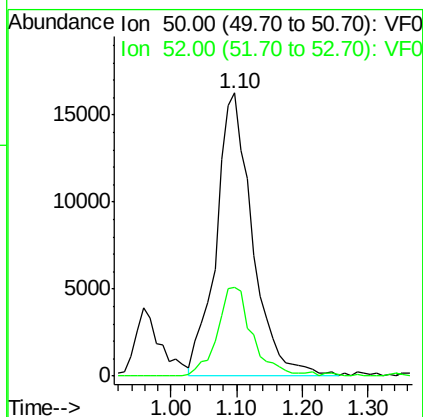
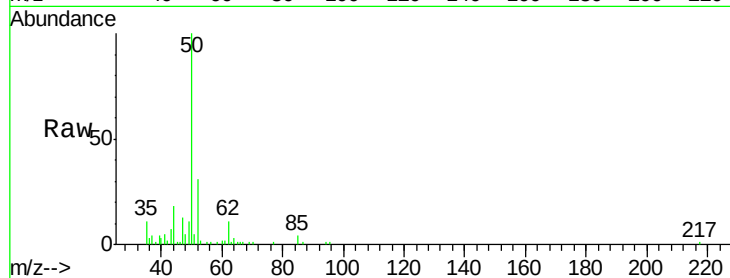
VF0121SBS01

Tot Ion: 50 Resp: 62573

Ion Ratio Lower Upper

50 100

52 31.2 24.6 36.8



#4

Vinyl Chloride

Concen: 24.482 ug/l

RT: 1.14 min Scan# 51

Delta R.T. 0.00 min

Lab File: VF061471.D

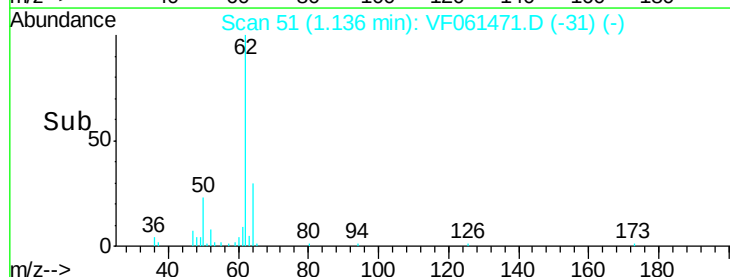
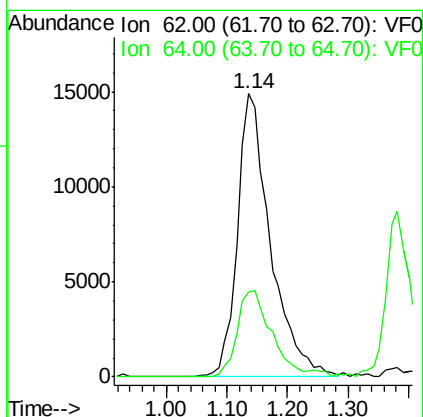
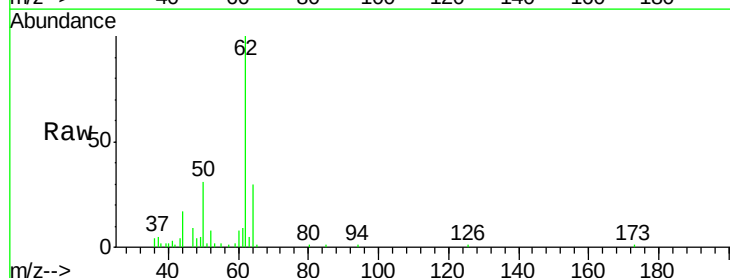
Acq: 21 Jan 2019 14:02

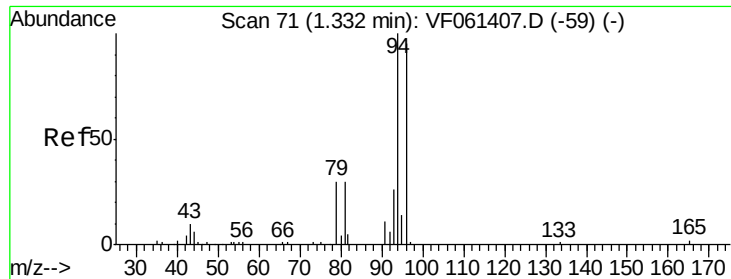
Tgt Ion: 62 Resp: 56627

Ion Ratio Lower Upper

62 100

64 30.2 25.6 38.4





#5

Bromomethane

Concen: 22.209 ug/l

RT: 1.32 min Scan# 70

Delta R.T. -0.01 min

Lab File: VF061471.D

Acq: 21 Jan 2019 14:02

Instrument :

MSVOA_F

ClientSampleId :

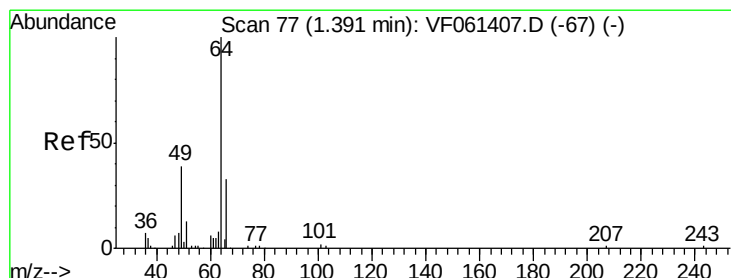
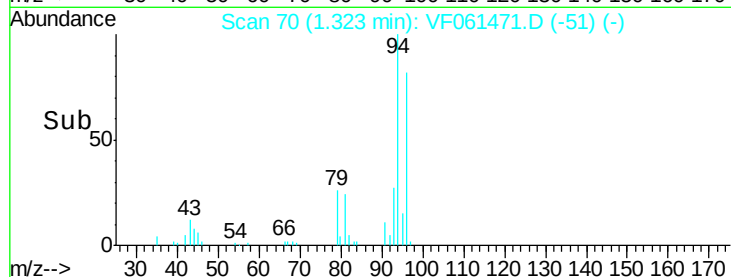
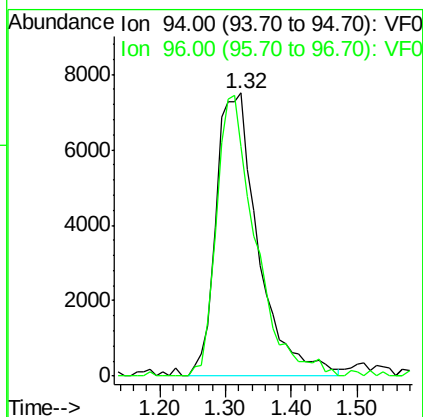
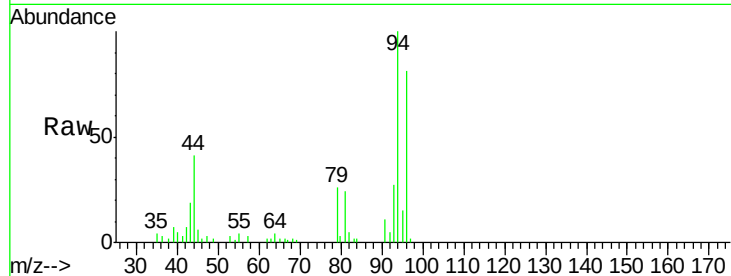
VF0121SBSD01

Tot Ion: 94 Resp: 33497

Ion Ratio Lower Upper

94 100

96 81.0 76.0 114.0



#6

Chloroethane

Concen: 23.892 ug/l

RT: 1.38 min Scan# 76

Delta R.T. -0.01 min

Lab File: VF061471.D

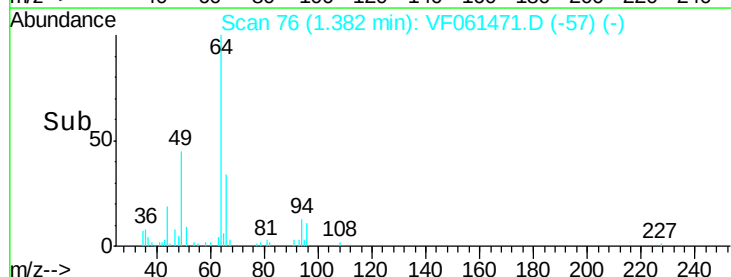
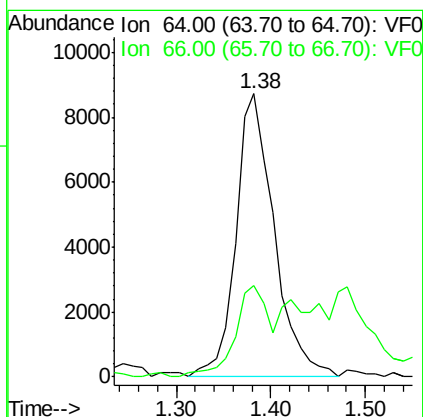
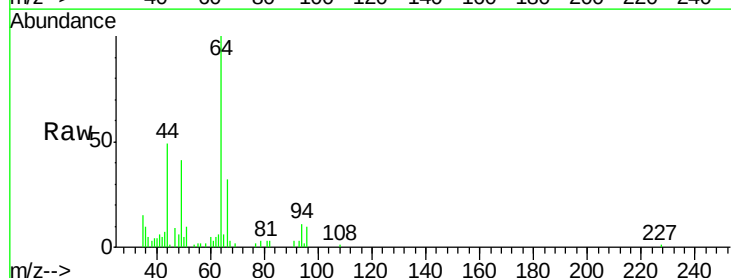
Acq: 21 Jan 2019 14:02

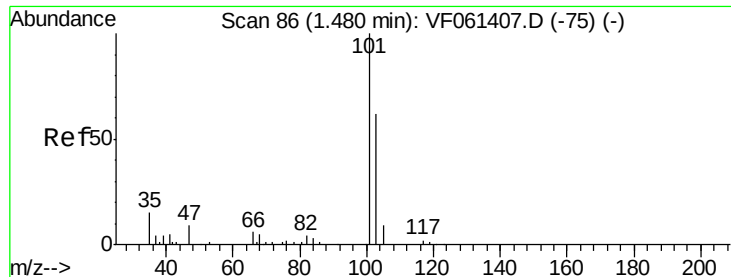
Tgt Ion: 64 Resp: 24487

Ion Ratio Lower Upper

64 100

66 32.3 26.6 40.0





#7

Trichlorofluoromethane

Concen: 20.834 ug/l

RT: 1.47 min Scan# 85

Delta R.T. -0.01 min

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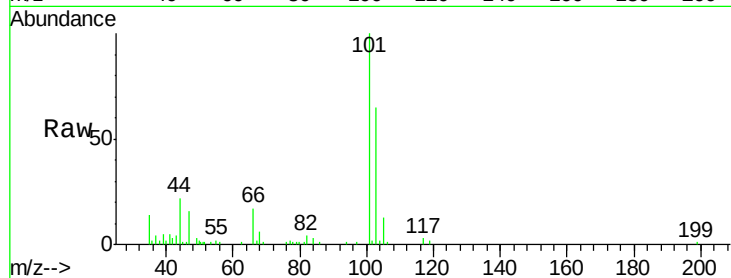
VF0121SBS01

Tot Ion:101 Resp: 93679

Ion Ratio Lower Upper

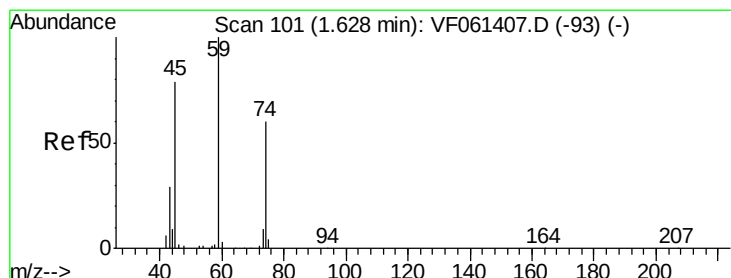
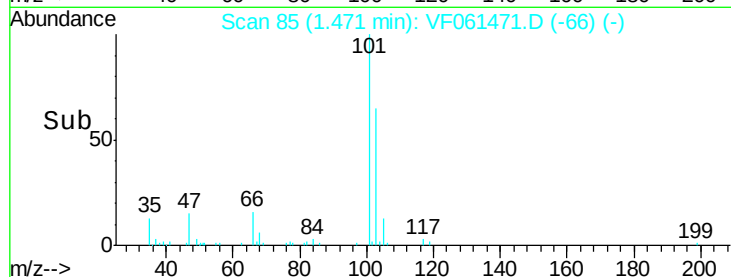
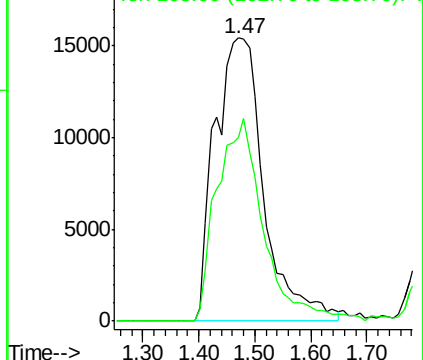
101 100

103 64.8 49.7 74.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 23.032 ug/l

RT: 1.63 min Scan# 101

Delta R.T. 0.00 min

Lab File: VF061471.D

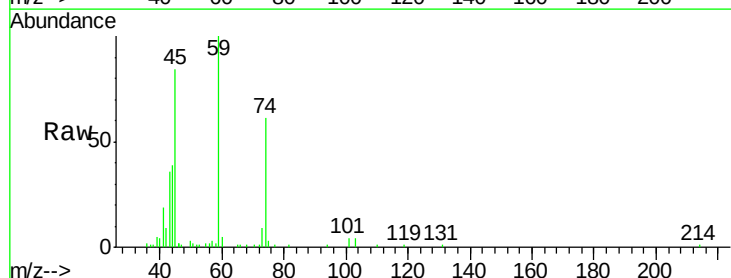
Acq: 21 Jan 2019 14:02

Tgt Ion: 74 Resp: 13270

Ion Ratio Lower Upper

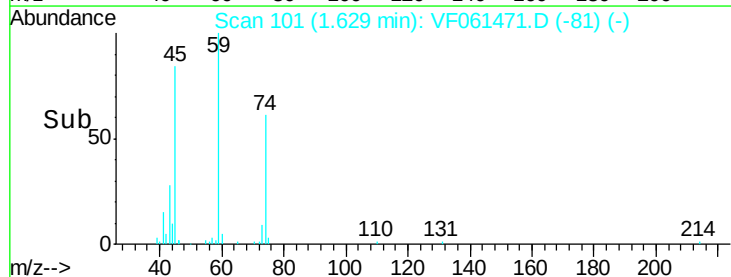
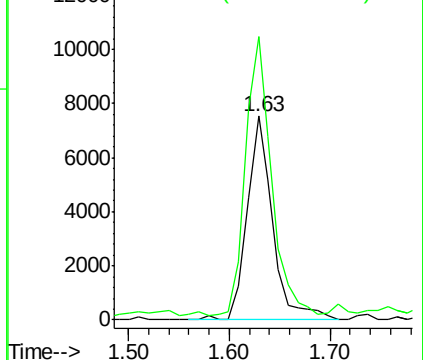
74 100

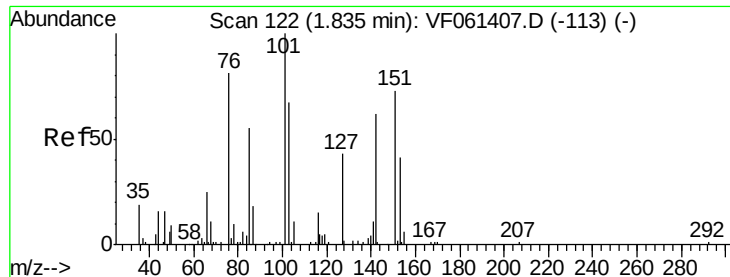
45 138.9 65.8 197.5



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.240 ug/l

RT: 1.82 min Scan# 120

Delta R.T. -0.02 min

Lab File: VF061471.D

Acq: 21 Jan 2019 14:02

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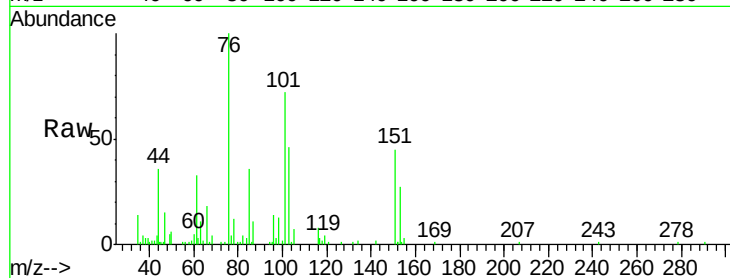
Tot Ion:101 Resp: 50211

Ion Ratio Lower Upper

101 100

85 50.2 41.9 62.9

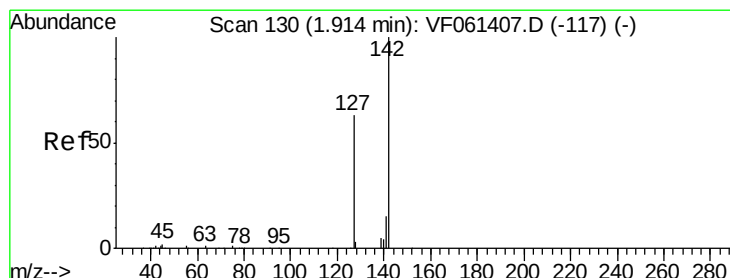
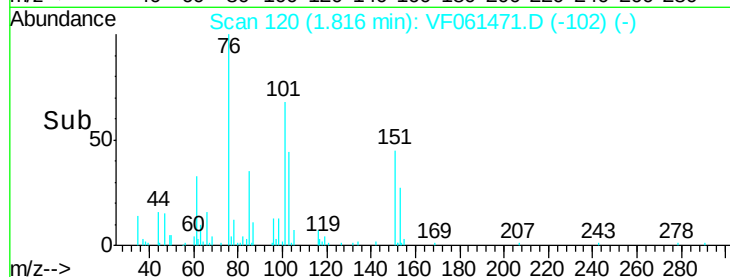
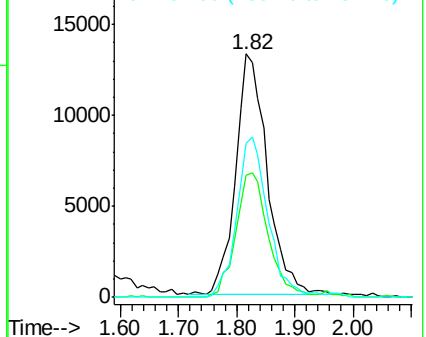
151 64.8 55.1 82.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 16.149 ug/l

RT: 1.90 min Scan# 128

Delta R.T. -0.02 min

Lab File: VF061471.D

Acq: 21 Jan 2019 14:02

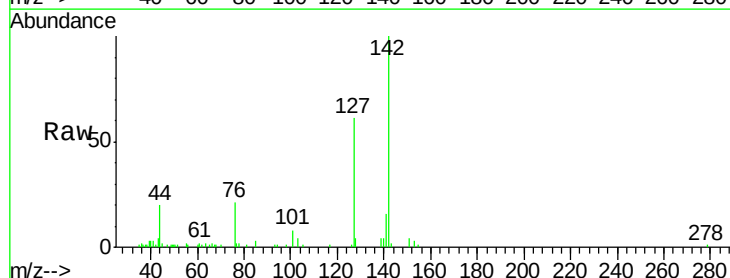
Tgt Ion:142 Resp: 54090

Ion Ratio Lower Upper

142 100

127 60.8 50.7 76.1

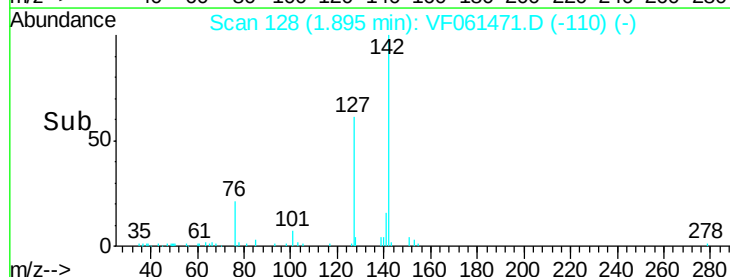
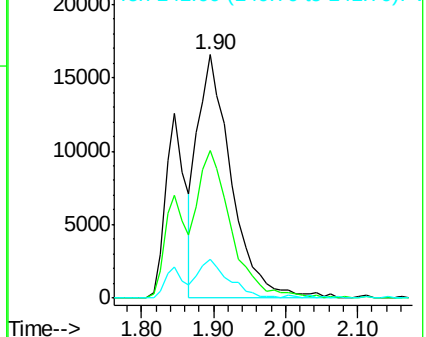
141 15.8 11.8 17.6

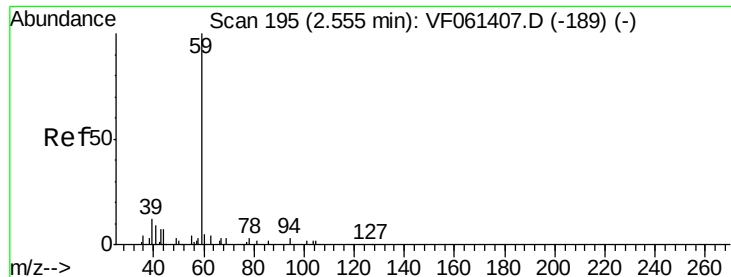


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



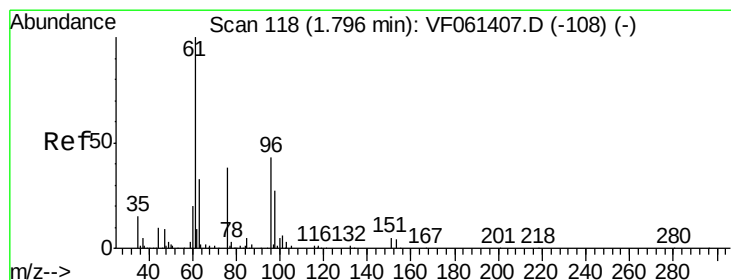
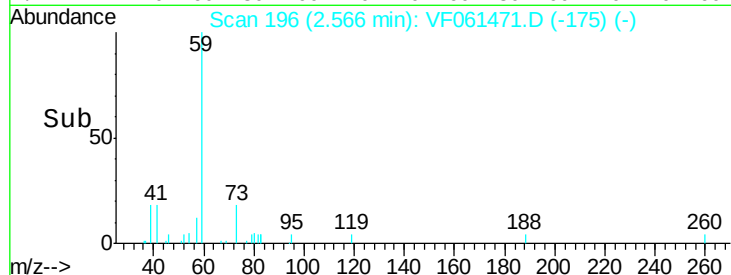
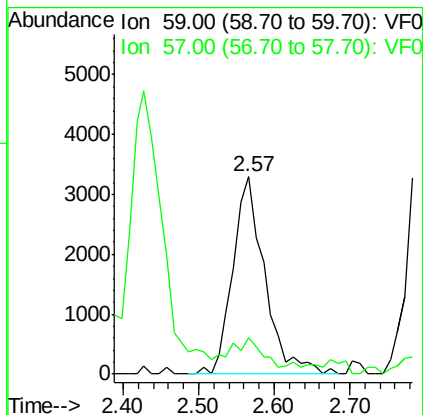
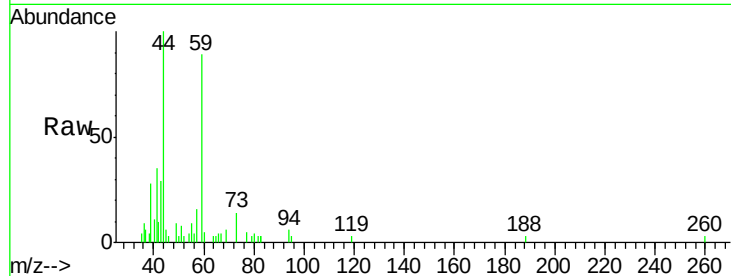


#11

Tert butyl alcohol
Concen: 102.230 ug/l
RT: 2.57 min Scan# 196
Delta R.T. 0.01 min
Lab File: VF061471.D
Acq: 21 Jan 2019 14:02

Instrument :
MSVOA_F
ClientSampleId :
VF0121SBS01

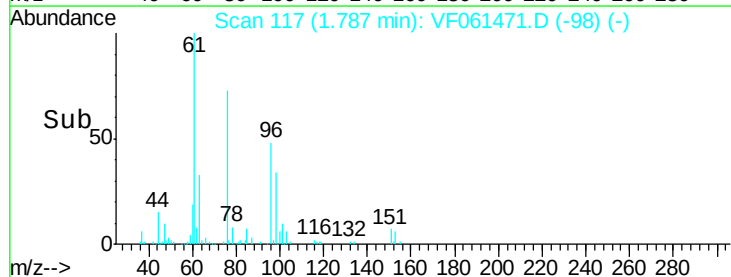
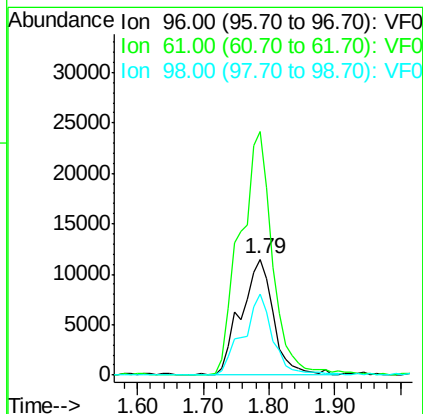
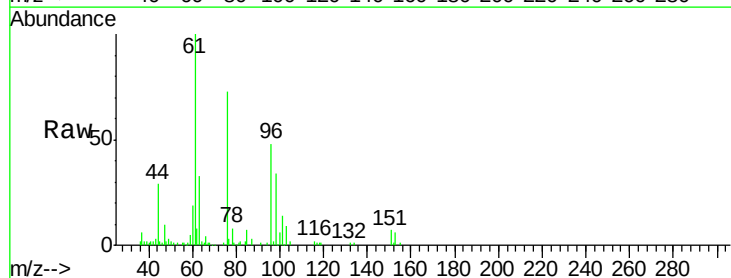
Tot Ion: 59 Resp: 9642
Ion Ratio Lower Upper
59 100
57 18.3 11.9 17.9#

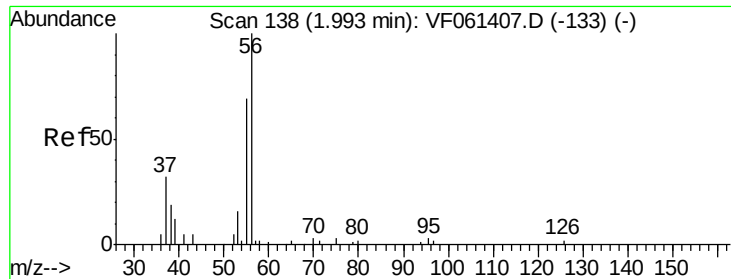


#12

1,1-Dichloroethene
Concen: 25.025 ug/l
RT: 1.79 min Scan# 117
Delta R.T. -0.01 min
Lab File: VF061471.D
Acq: 21 Jan 2019 14:02

Tgt Ion: 96 Resp: 40169
Ion Ratio Lower Upper
96 100
61 209.4 186.9 280.3
98 70.2 53.0 79.4





#13

Acrolein

Concen: 101.141 ug/l

RT: 1.99 min Scan# 138

Delta R.T. 0.00 min

Lab File: VF061471.D

Acq: 21 Jan 2019 14:02

Instrument :

MSVOA_F

ClientSampleId :

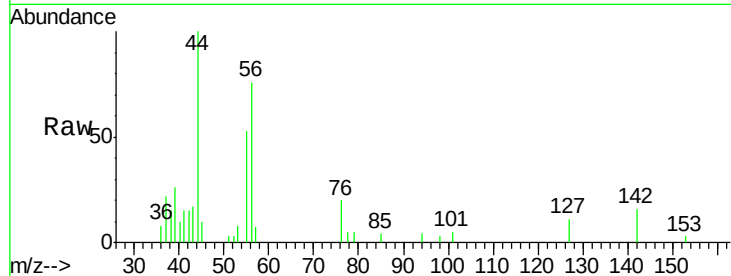
VF0121SBS01

Tot Ion: 56 Resp: 7695

Ion Ratio Lower Upper

56 100

55 68.9 57.5 86.3



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

1.99

3000

2500

2000

1500

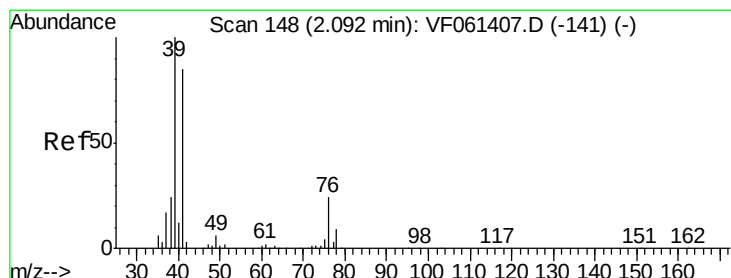
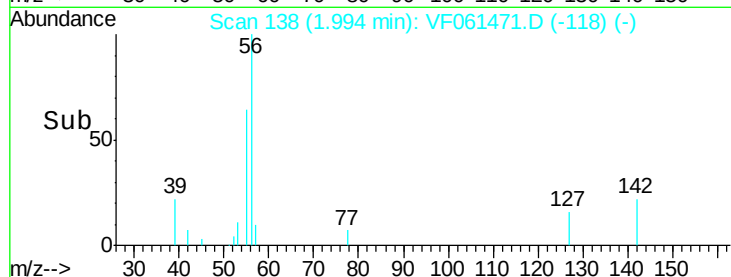
1000

500

0

1.90 2.00 2.10

Time-->



#14

Allyl chloride

Concen: 34.814 ug/l

RT: 2.09 min Scan# 148

Delta R.T. 0.00 min

Lab File: VF061471.D

Acq: 21 Jan 2019 14:02

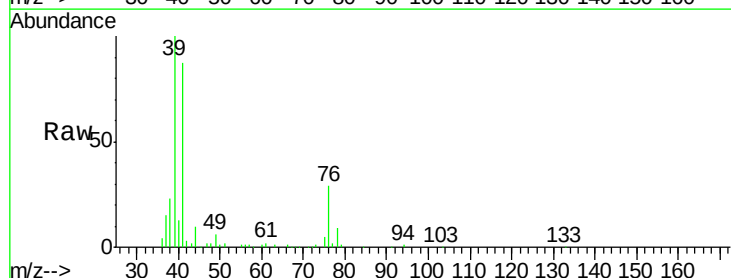
Tgt Ion: 41 Resp: 60123

Ion Ratio Lower Upper

41 100

39 114.8 94.6 141.8

76 32.7 25.9 38.9



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

2.09

40000

30000

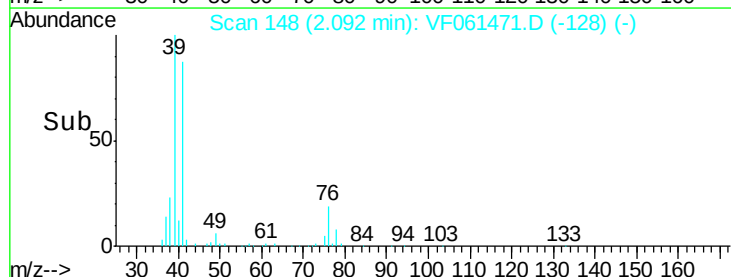
20000

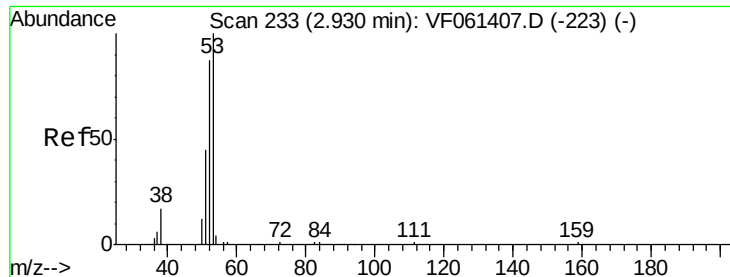
10000

0

2.00 2.05 2.10 2.15 2.20

Time-->





#15

Acrylonitrile

Concen: 118.807 ug/l

RT: 2.94 min Scan# 234

Delta R.T. 0.01 min

Lab File: VF061471.D

Acq: 21 Jan 2019 14:02

Instrument :

MSVOA_F

ClientSampleId :

VF0121SBS01

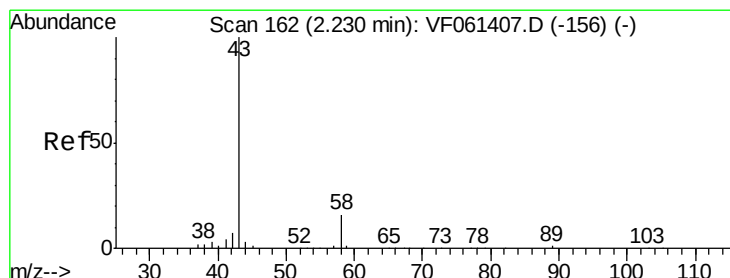
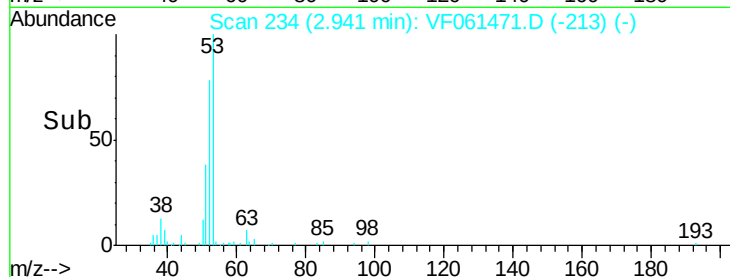
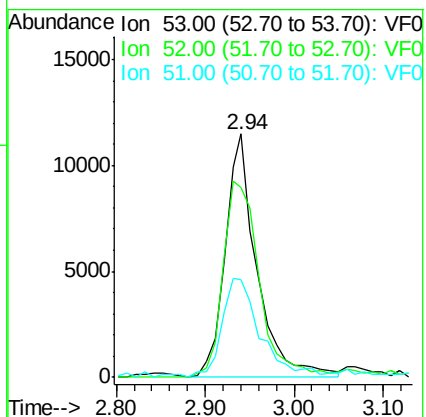
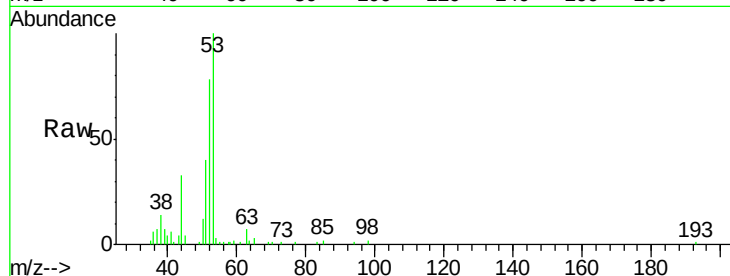
Tot Ion: 53 Resp: 28703

Ion Ratio Lower Upper

53 100

52 78.0 69.6 104.4

51 40.1 36.8 55.2



#16

Acetone

Concen: 132.809 ug/l

RT: 2.23 min Scan# 162

Delta R.T. 0.00 min

Lab File: VF061471.D

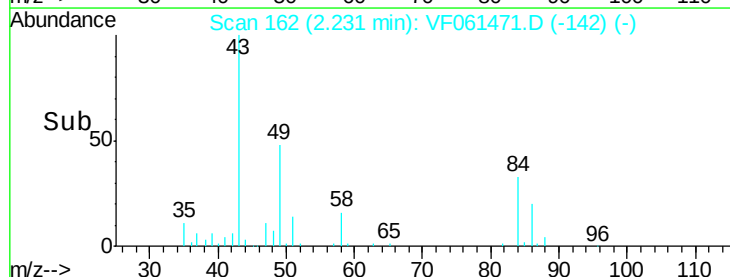
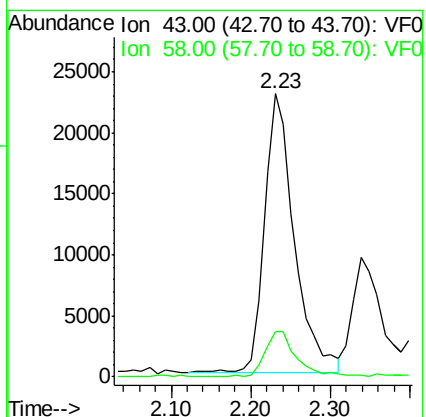
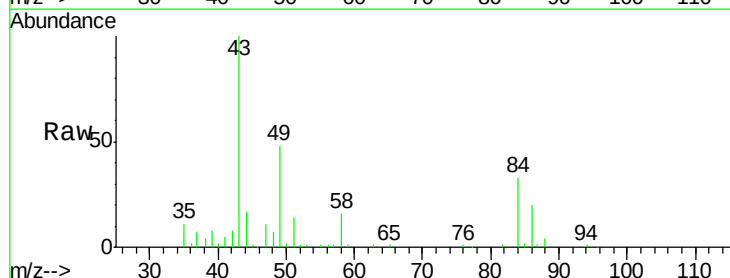
Acq: 21 Jan 2019 14:02

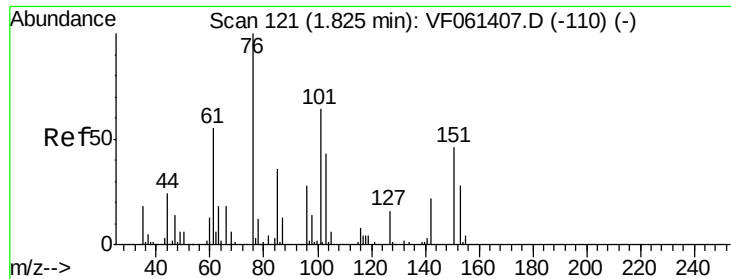
Tgt Ion: 43 Resp: 59367

Ion Ratio Lower Upper

43 100

58 16.1 13.3 19.9





#17

Carbon Disulfide

Concen: 24.372 ug/l

RT: 1.81 min Scan# 119

Delta R.T. -0.02 min

Lab File: VF061471.D

Acq: 21 Jan 2019 14:02

Instrument :

MSVOA_F

ClientSampleId :

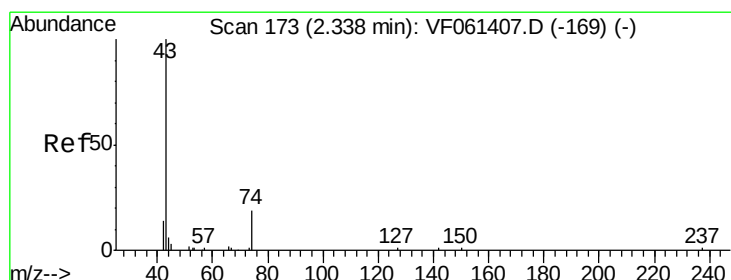
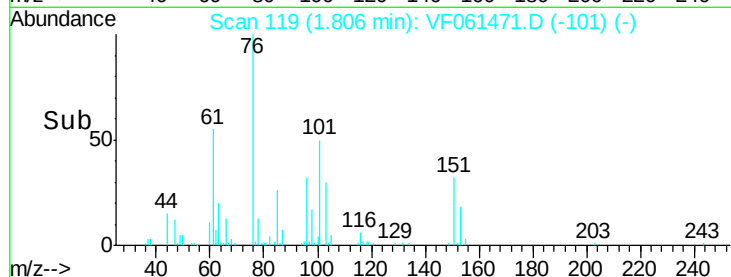
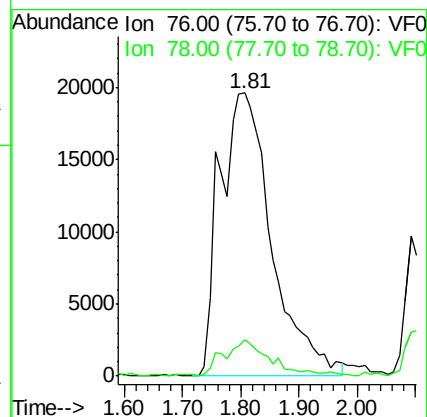
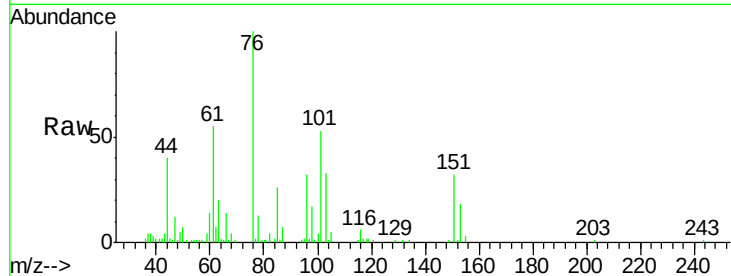
VF0121SBS01

Tot Ion: 76 Resp: 121980

Ion Ratio Lower Upper

76 100

78 12.7 9.6 14.4



#18

Methyl Acetate

Concen: 24.542 ug/l

RT: 2.34 min Scan# 173

Delta R.T. 0.00 min

Lab File: VF061471.D

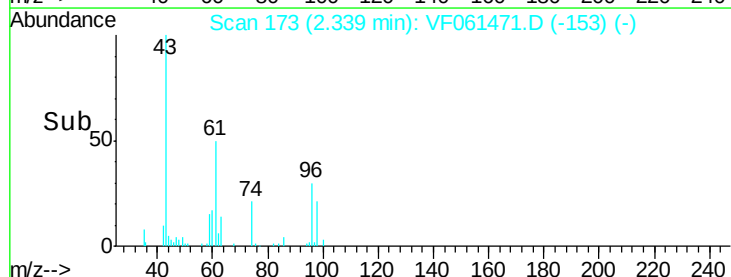
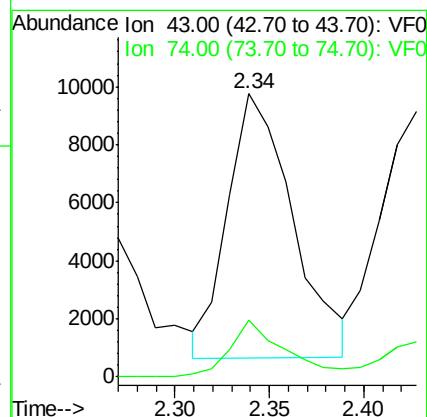
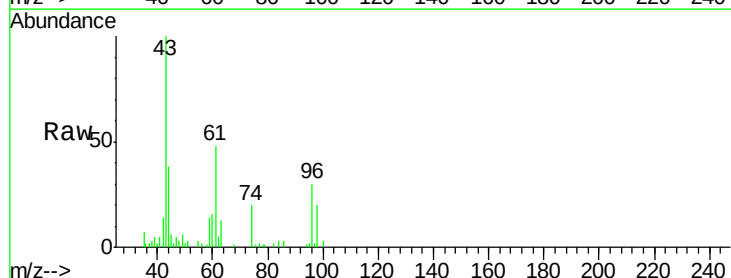
Acq: 21 Jan 2019 14:02

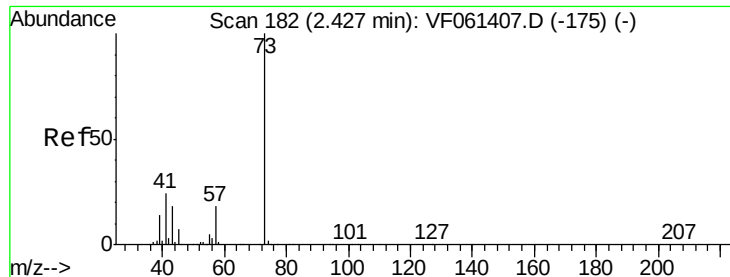
Tgt Ion: 43 Resp: 21756

Ion Ratio Lower Upper

43 100

74 20.0 13.4 20.0

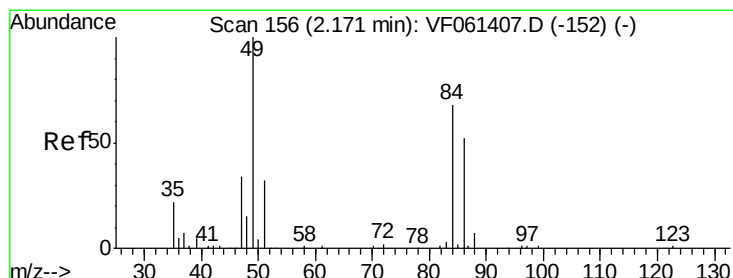
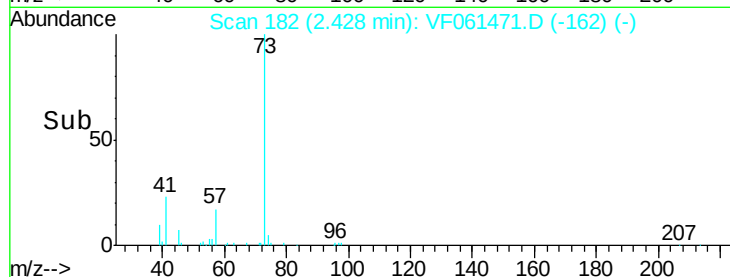
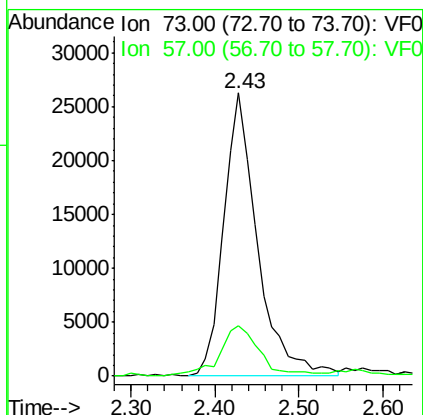
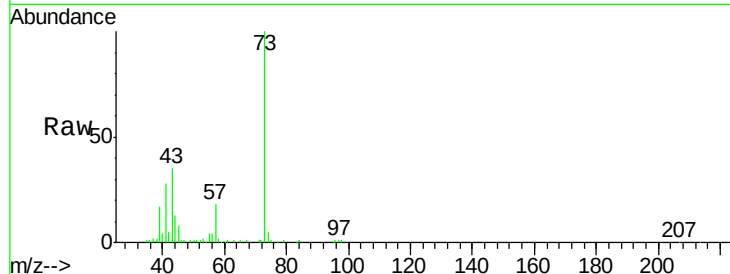




#19
Methyl tert-butyl Ether
Concen: 20.411 ug/l
RT: 2.43 min Scan# 182
Delta R.T. 0.00 min
Lab File: VF061471.D
Acq: 21 Jan 2019 14:02

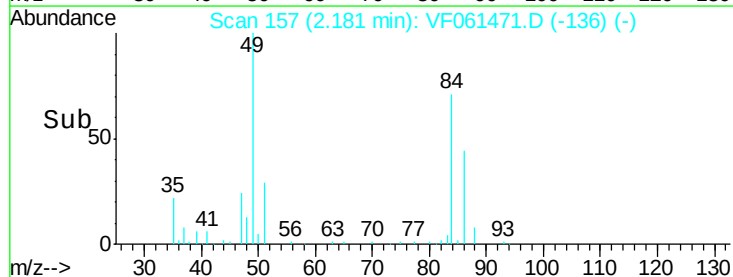
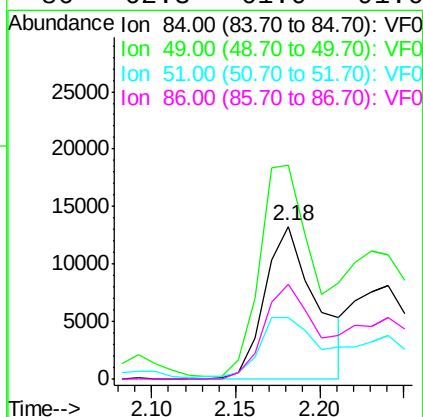
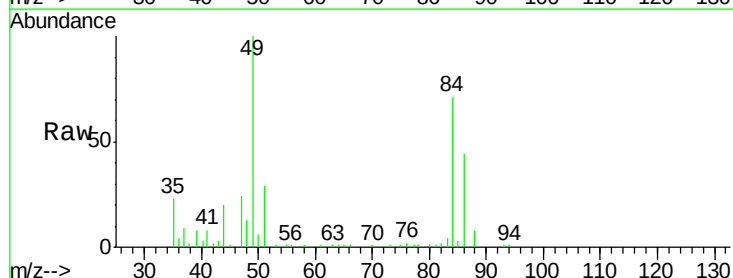
Instrument :
MSVOA_F
ClientSampleId :
VF0121SBS01

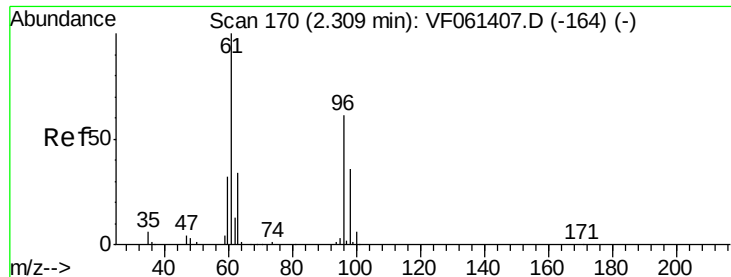
Tot Ion: 73 Resp: 73445
Ion Ratio Lower Upper
73 100
57 18.0 14.8 22.2



#20
Methylene Chloride
Concen: 17.423 ug/l
RT: 2.18 min Scan# 157
Delta R.T. 0.01 min
Lab File: VF061471.D
Acq: 21 Jan 2019 14:02

Tgt Ion: 84 Resp: 28175
Ion Ratio Lower Upper
84 100
49 140.2 120.0 180.0
51 40.1 38.6 58.0
86 62.3 61.0 91.6





#21

trans-1,2-Dichloroethene

Concen: 22.443 ug/l

RT: 2.31 min Scan# 170

Delta R.T. 0.00 min

Lab File: VF061471.D

Acq: 21 Jan 2019 14:02

Instrument :

MSVOA_F

ClientSampleId :

VF0121SBS01

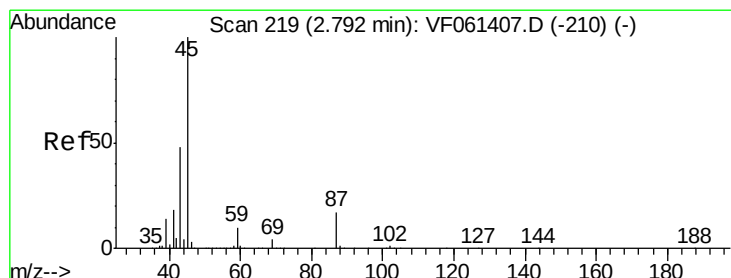
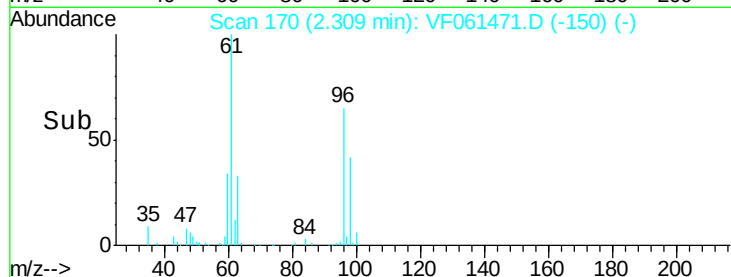
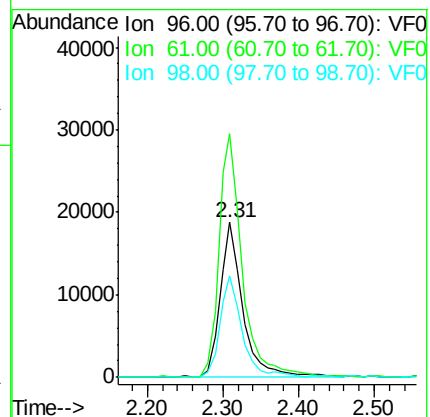
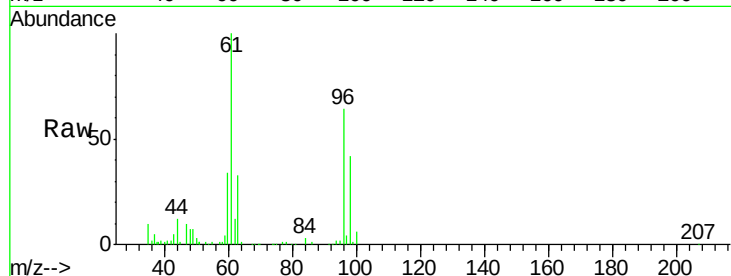
Tot Ion: 96 Resp: 39635

Ion Ratio Lower Upper

96 100

61 156.9 131.8 197.8

98 65.3 47.4 71.0



#22

Diisopropyl ether

Concen: 24.036 ug/l

RT: 2.79 min Scan# 219

Delta R.T. 0.00 min

Lab File: VF061471.D

Acq: 21 Jan 2019 14:02

Tgt Ion: 45 Resp: 137300

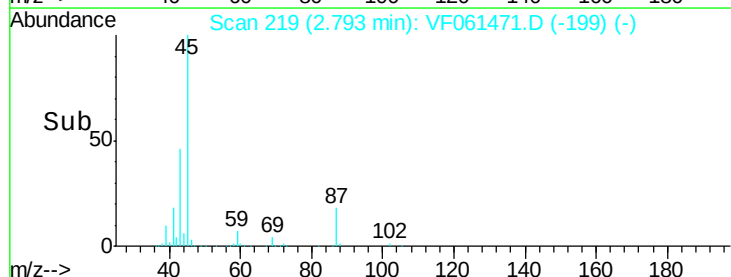
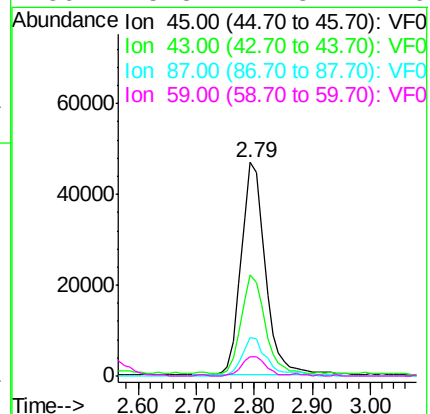
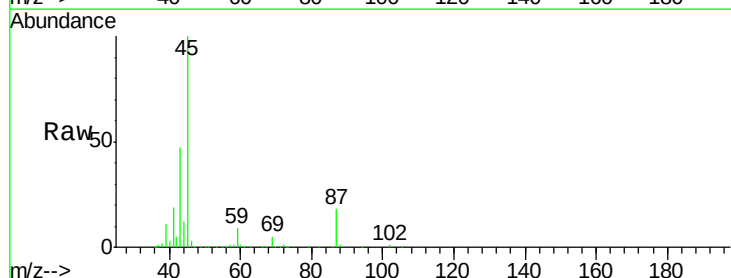
Ion Ratio Lower Upper

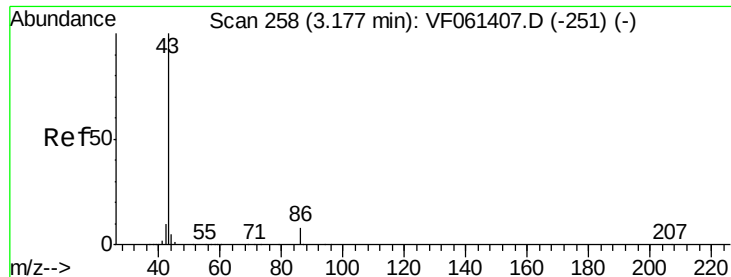
45 100

43 47.5 39.0 58.6

87 17.9 13.9 20.9

59 8.8 7.8 11.6





#23

Vinyl Acetate

Concen: 121.654 ug/l

RT: 3.19 min Scan# 259

Delta R.T. 0.01 min

Lab File: VF061471.D

Acq: 21 Jan 2019 14:02

Instrument :

MSVOA_F

ClientSampleId :

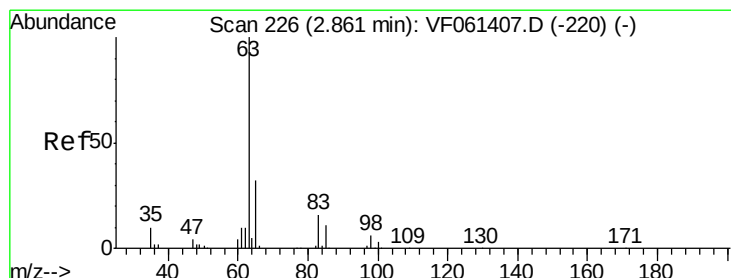
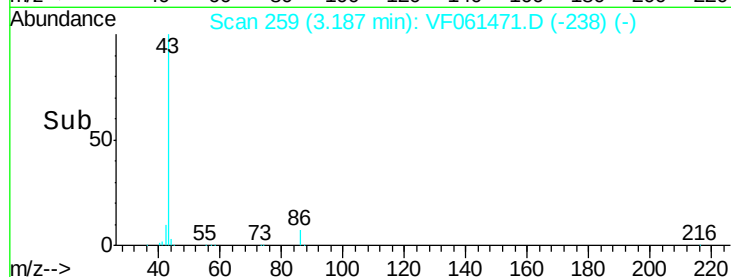
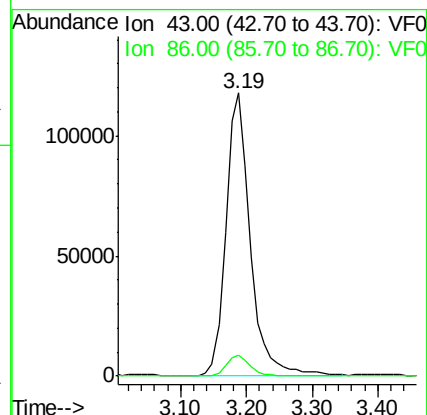
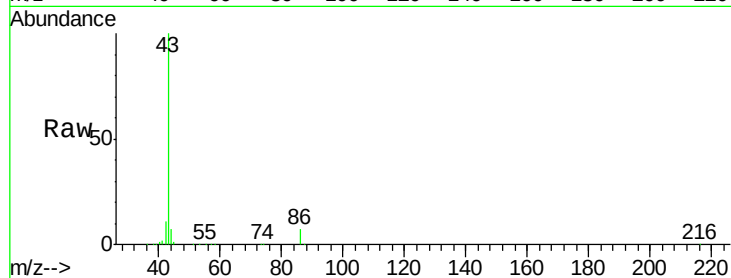
VF0121SBS01

Tot Ion: 43 Resp: 301486

Ion Ratio Lower Upper

43 100

86 7.4 6.2 9.4



#24

1,1-Dichloroethane

Concen: 22.691 ug/l

RT: 2.87 min Scan# 227

Delta R.T. 0.01 min

Lab File: VF061471.D

Acq: 21 Jan 2019 14:02

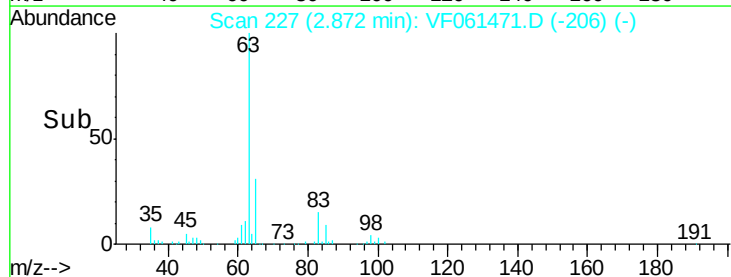
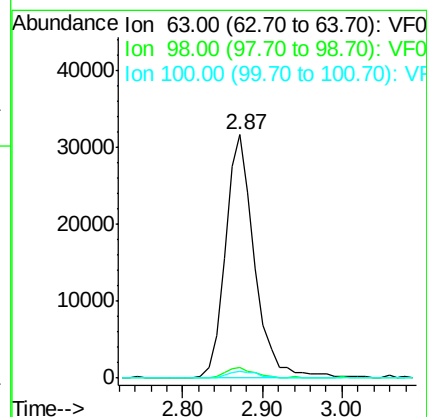
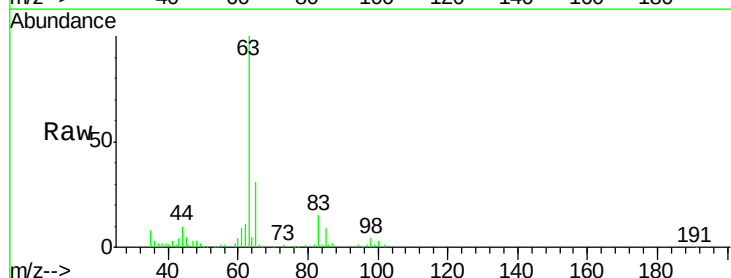
Tgt Ion: 63 Resp: 81352

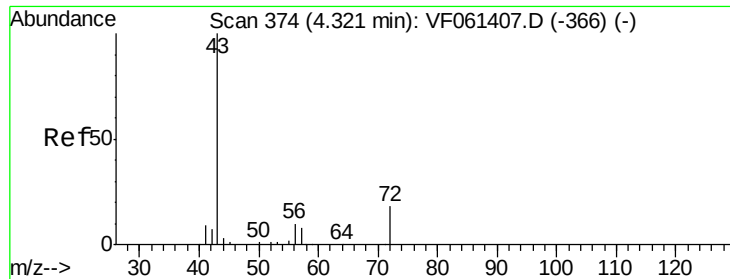
Ion Ratio Lower Upper

63 100

98 4.2 2.9 8.8

100 3.0 1.6 4.8





#25

2-Butanone

Concen: 119.670 ug/l

RT: 4.32 min Scan# 374

Delta R.T. 0.00 min

Lab File: VF061471.D

Acq: 21 Jan 2019 14:02

Instrument :

MSVOA_F

ClientSampleId :

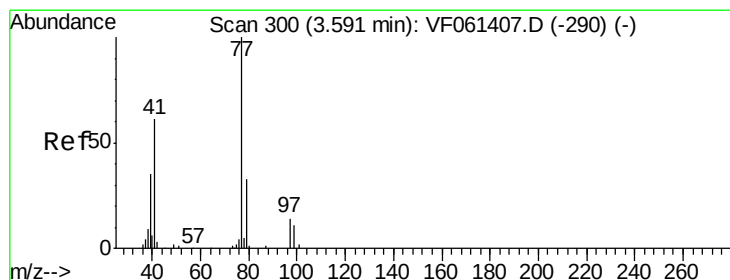
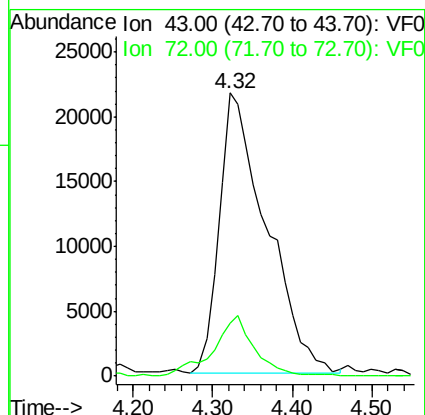
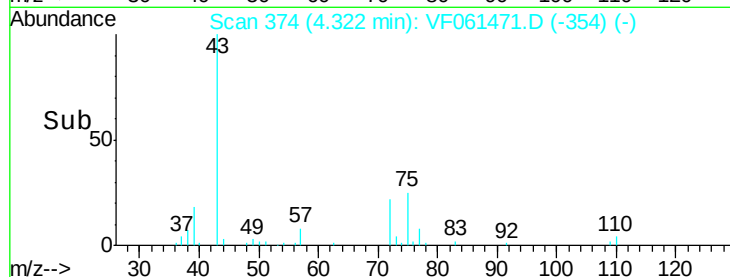
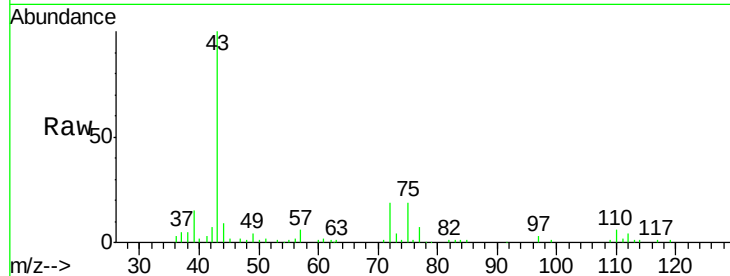
VF0121SBS01

Tot Ion: 43 Resp: 88958

Ion Ratio Lower Upper

43 100

72 18.5 15.8 23.6



#26

2,2-Dichloropropane

Concen: 22.620 ug/l

RT: 3.60 min Scan# 301

Delta R.T. 0.01 min

Lab File: VF061471.D

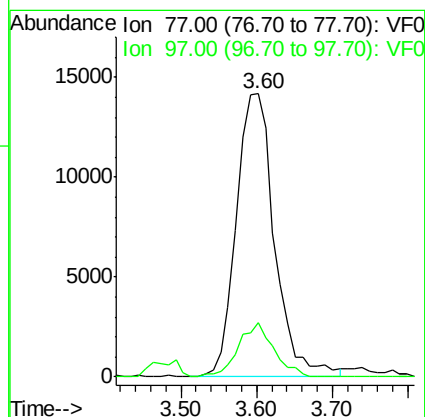
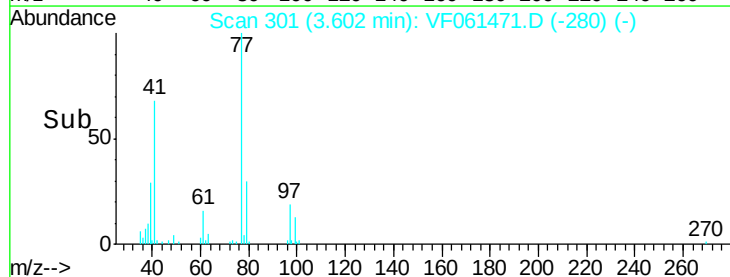
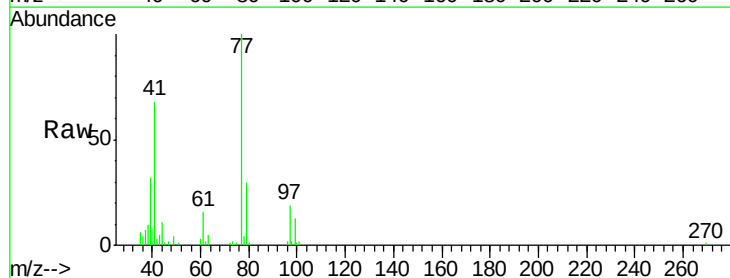
Acq: 21 Jan 2019 14:02

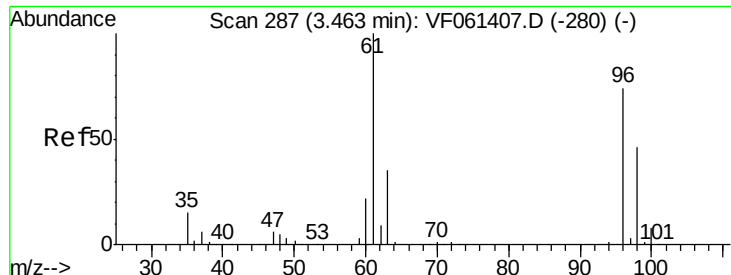
Tgt Ion: 77 Resp: 49824

Ion Ratio Lower Upper

77 100

97 19.0 8.5 25.5



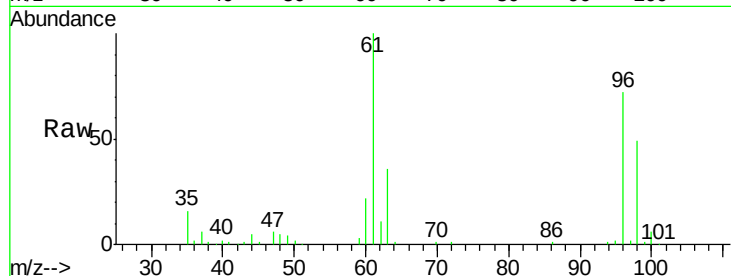


#27

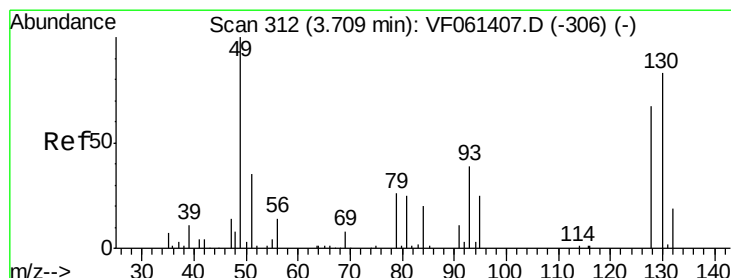
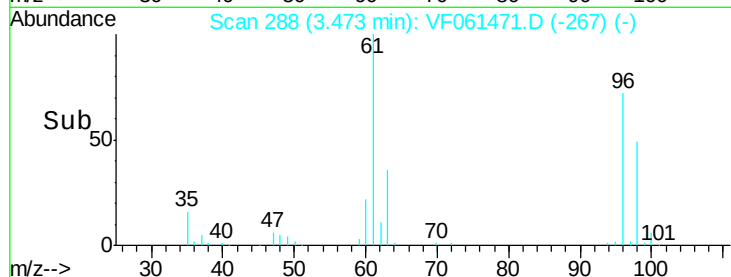
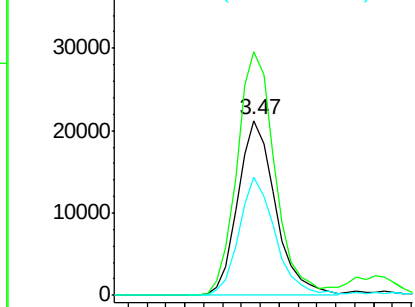
cis-1,2-Dichloroethene
Concen: 22.637 ug/l
RT: 3.47 min Scan# 288
Delta R.T. 0.01 min
Lab File: VF061471.D
Acq: 21 Jan 2019 14:02

Instrument :
MSVOA_F
ClientSampleId :
VF0121SBS01

Tot Ion: 96 Resp: 59015
Ion Ratio Lower Upper
96 100
61 139.2 0.0 270.2
98 67.7 0.0 124.0



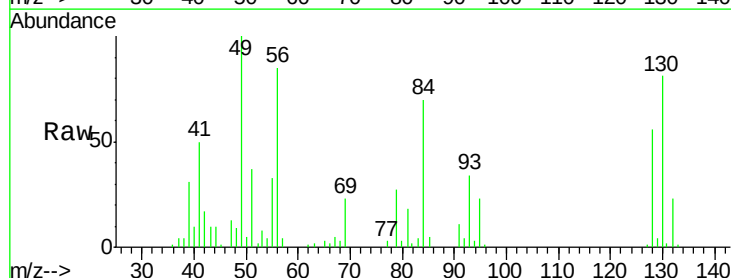
Abundance Ion 96.00 (95.70 to 96.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 98.00 (97.70 to 98.70): VF0



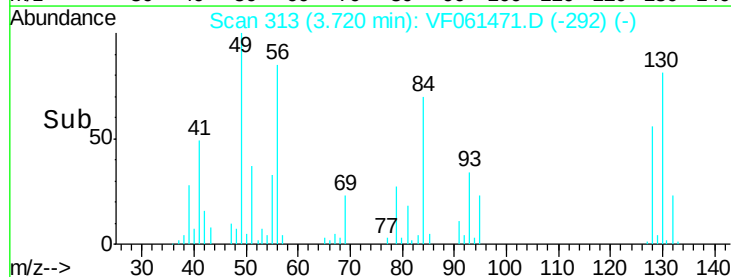
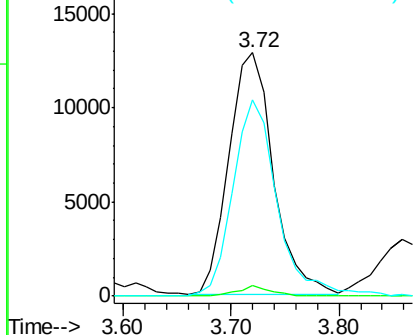
#28

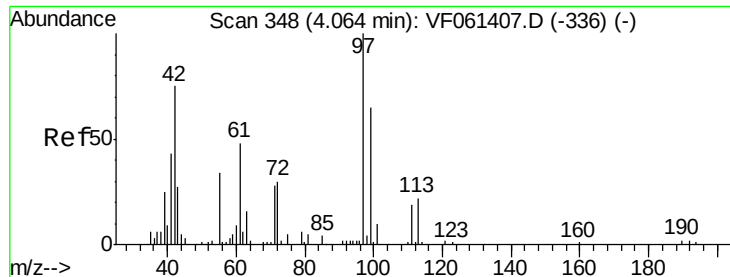
Bromochloromethane
Concen: 22.751 ug/l
RT: 3.72 min Scan# 313
Delta R.T. 0.01 min
Lab File: VF061471.D
Acq: 21 Jan 2019 14:02

Tgt Ion: 49 Resp: 36664
Ion Ratio Lower Upper
49 100
129 4.1 0.0 0.0#
130 80.6 65.4 98.2



Abundance Ion 49.00 (48.70 to 49.70): VF0
Ion 129.00 (128.70 to 129.70): V
Ion 130.00 (129.70 to 130.70): V





#29

Tetrahydrofuran

Concen: 107.022 ug/l

RT: 4.08 min Scan# 349

Delta R.T. 0.01 min

Lab File: VF061471.D

Acq: 21 Jan 2019 14:02

Instrument :

MSVOA_F

ClientSampleId :

VF0121SBS01

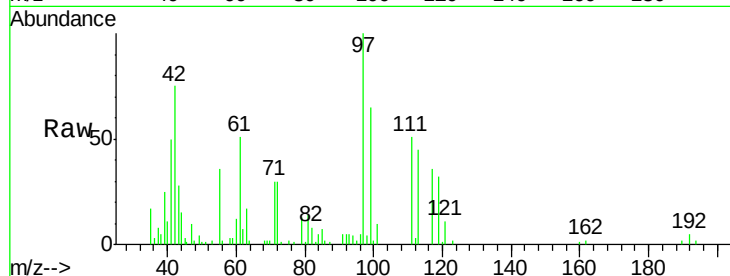
Tot Ion: 42 Resp: 34256

Ion Ratio Lower Upper

42 100

72 39.1 28.9 43.3

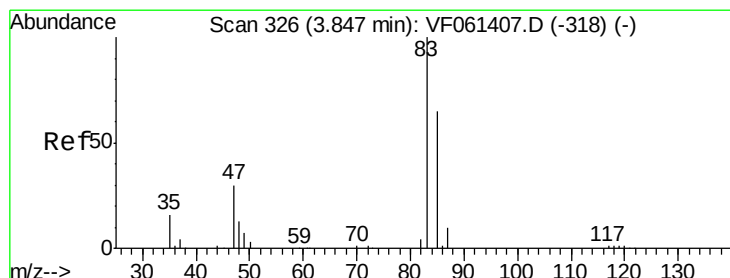
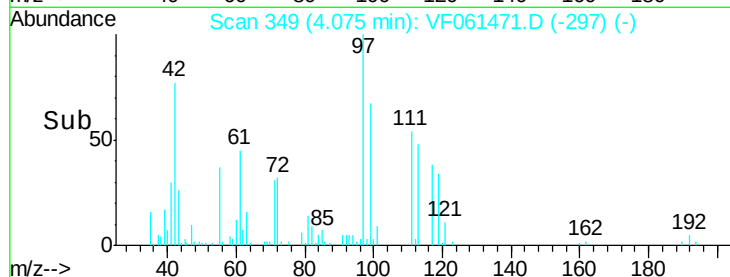
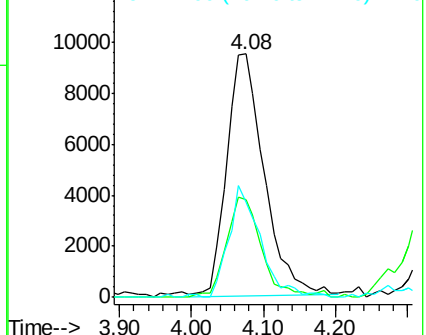
71 39.3 29.6 44.4



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: 21.959 ug/l

RT: 3.86 min Scan# 327

Delta R.T. 0.01 min

Lab File: VF061471.D

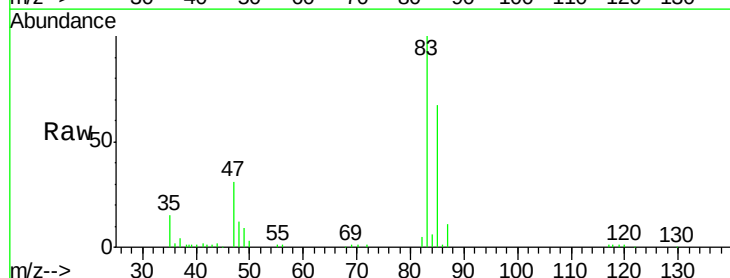
Acq: 21 Jan 2019 14:02

Tgt Ion: 83 Resp: 106246

Ion Ratio Lower Upper

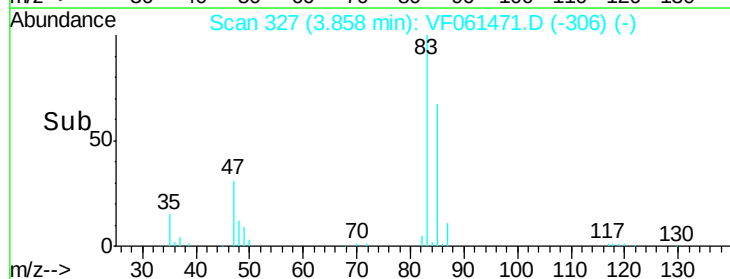
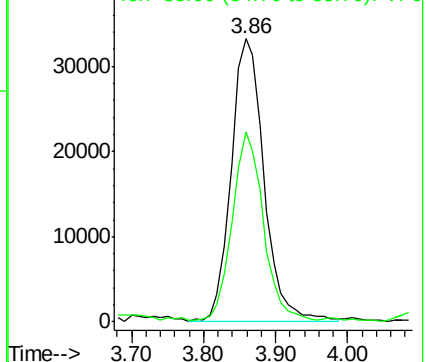
83 100

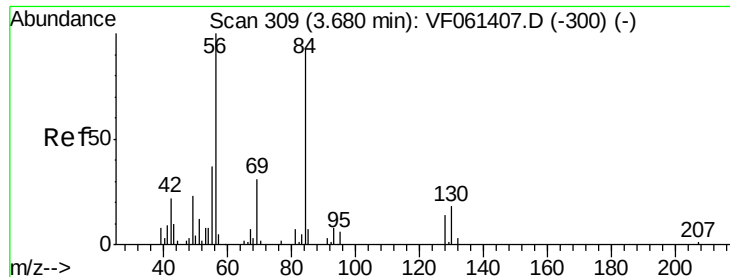
85 67.1 52.7 79.1



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0





#31

Cyclohexane

Concen: 24.447 ug/l

RT: 3.69 min Scan# 310

Delta R.T. 0.01 min

Lab File: VF061471.D

Acq: 21 Jan 2019 14:02

Instrument :

MSVOA_F

ClientSampleId :

VF0121SBS01

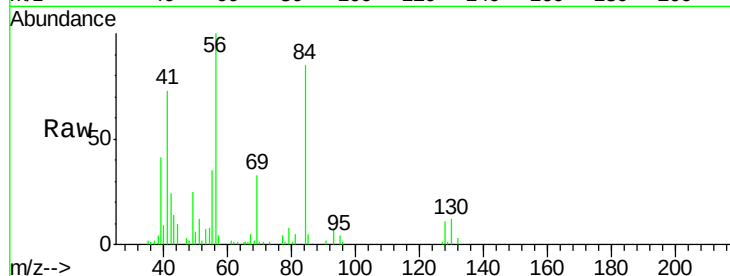
Tot Ion: 56 Resp: 87550

Ion Ratio Lower Upper

56 100

69 32.8 24.6 36.8

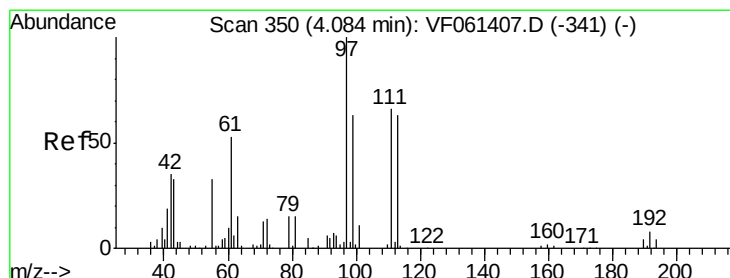
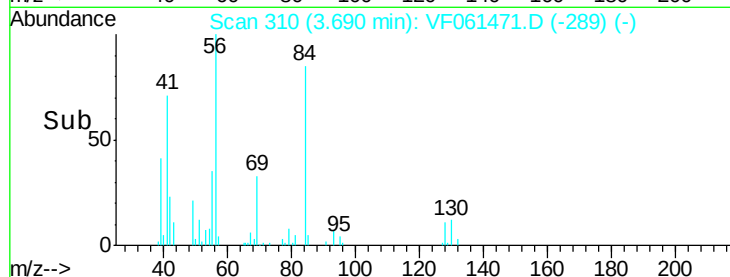
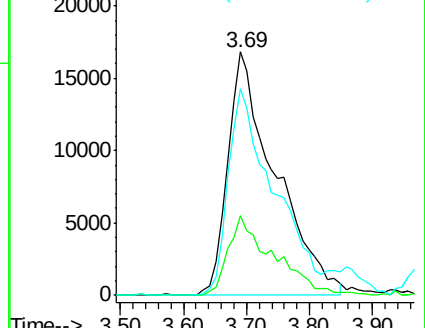
84 84.8 74.2 111.2



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: 23.149 ug/l

RT: 4.09 min Scan# 351

Delta R.T. 0.01 min

Lab File: VF061471.D

Acq: 21 Jan 2019 14:02

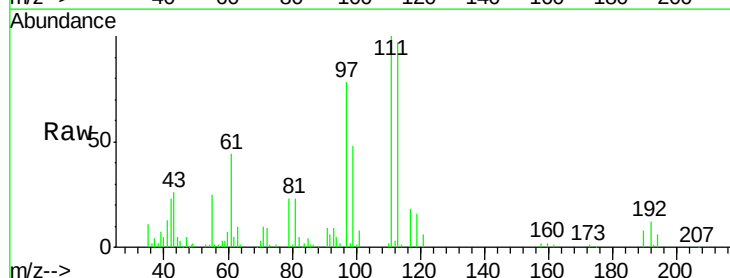
Tgt Ion: 97 Resp: 82125

Ion Ratio Lower Upper

97 100

99 61.4 50.1 75.1

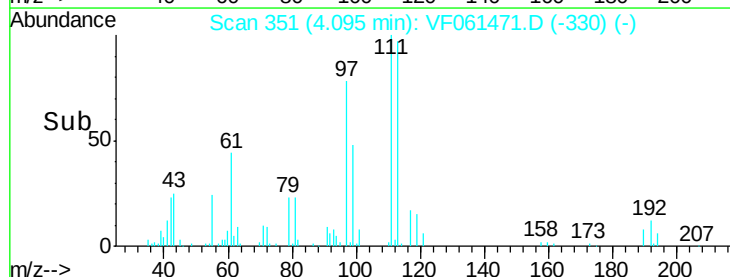
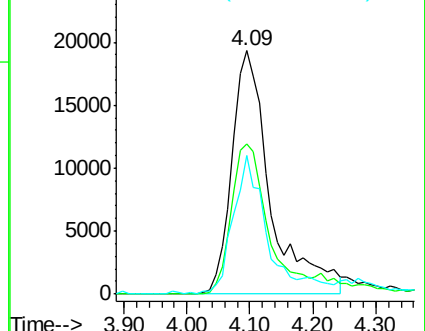
61 56.9 43.1 64.7

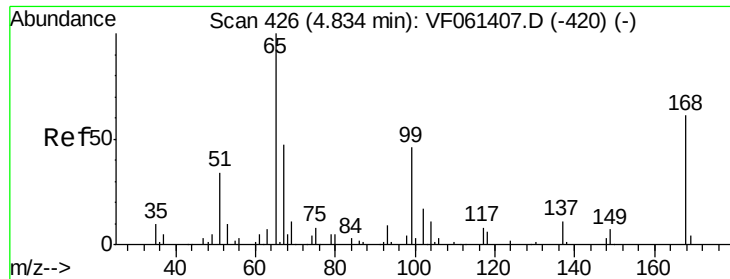


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

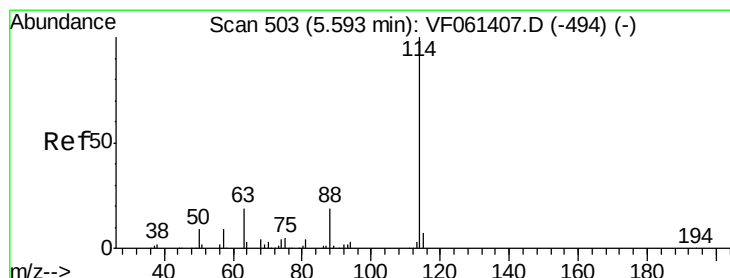
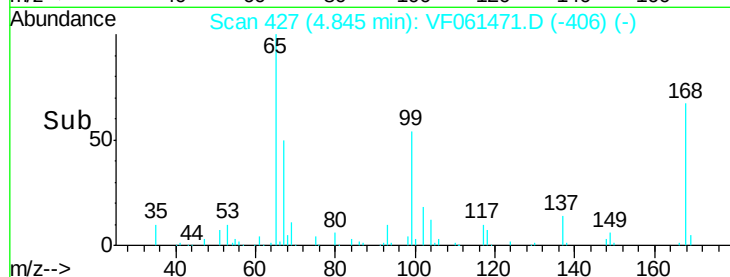
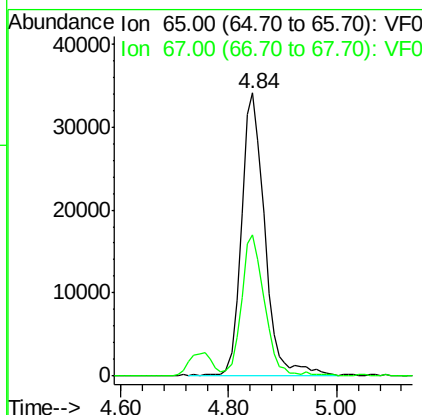
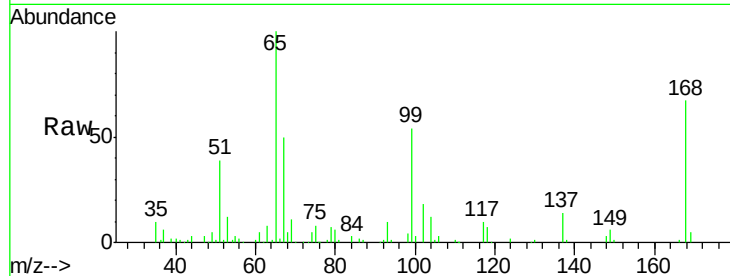




#33
 1,2-Dichloroethane-d4
 Concen: 45.918 ug/l
 RT: 4.84 min Scan# 427
 Delta R.T. 0.01 min
 Lab File: VF061471.D
 Acq: 21 Jan 2019 14:02

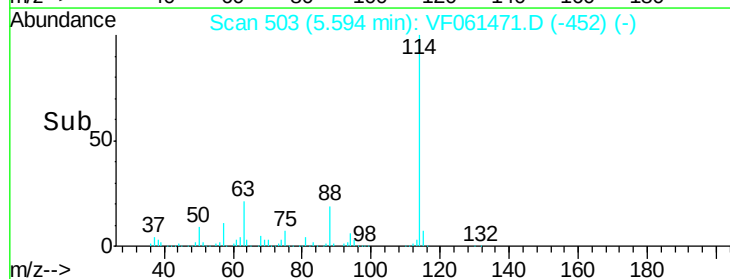
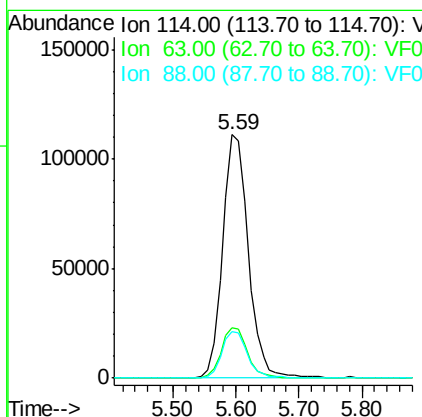
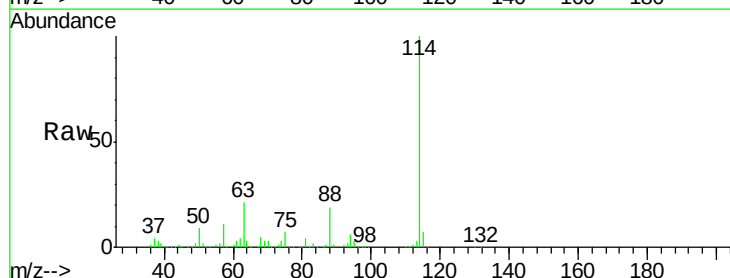
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0121SBS01

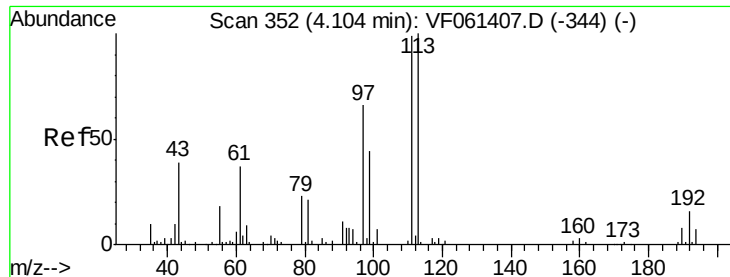
Tot Ion: 65 Resp: 102315
 Ion Ratio Lower Upper
 65 100
 67 49.8 0.0 99.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.59 min Scan# 503
 Delta R.T. 0.00 min
 Lab File: VF061471.D
 Acq: 21 Jan 2019 14:02

Tgt Ion: 114 Resp: 315974
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 39.0
 88 19.1 0.0 37.4





#35

Dibromofluoromethane

Concen: 46.734 ug/l

RT: 4.11 min Scan# 353

Delta R.T. 0.01 min

Lab File: VF061471.D

Acq: 21 Jan 2019 14:02

Instrument :

MSVOA_F

ClientSampleId :

VF0121SBSD01

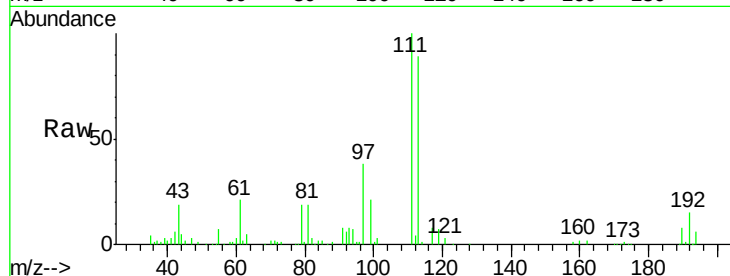
Tot Ion:113 Resp: 116522

Ion Ratio Lower Upper

113 100

111 112.3 79.4 119.0

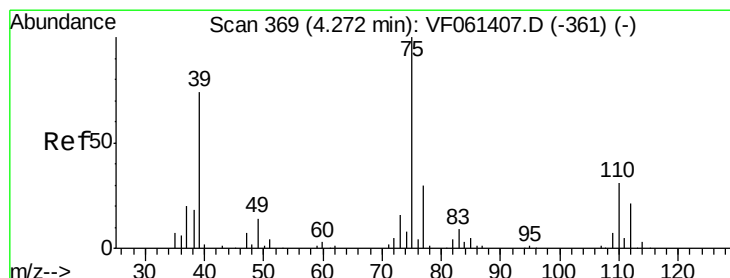
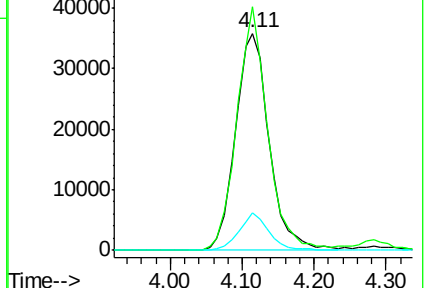
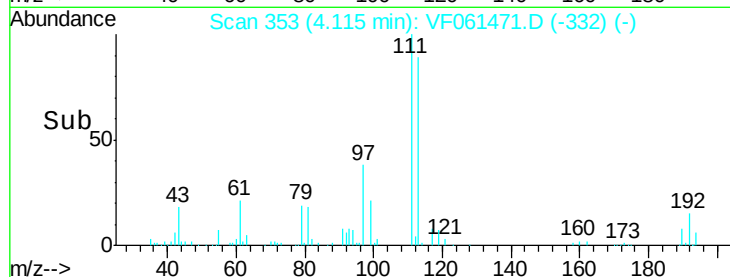
192 17.3 12.4 18.6



Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#36

1,1-Dichloropropene

Concen: 22.403 ug/l

RT: 4.28 min Scan# 370

Delta R.T. 0.01 min

Lab File: VF061471.D

Acq: 21 Jan 2019 14:02

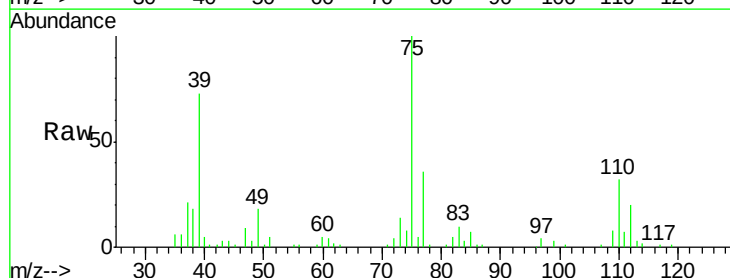
Tgt Ion: 75 Resp: 82073

Ion Ratio Lower Upper

75 100

110 32.3 15.8 47.3

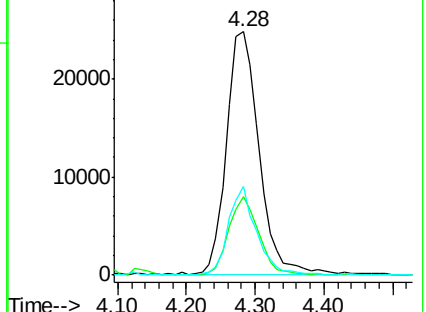
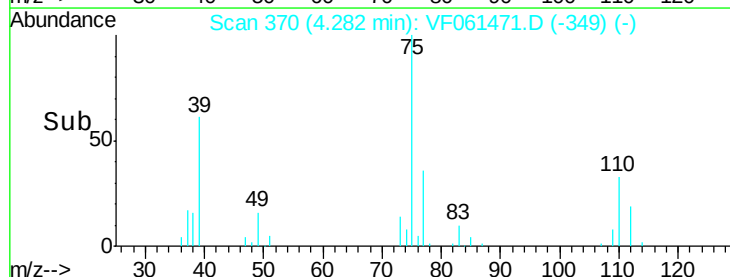
77 36.3 24.0 36.0#

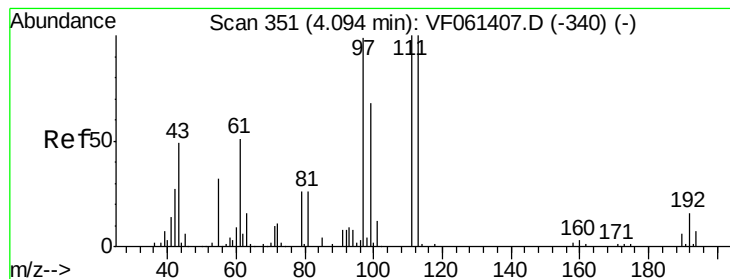


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0





#37

Ethyl Acetate

Concen: 20.449 ug/l

RT: 4.11 min Scan# 353

Delta R.T. 0.02 min

Lab File: VF061471.D

Acq: 21 Jan 2019 14:02

Instrument :

MSVOA_F

ClientSampleId :

VF0121SBS01

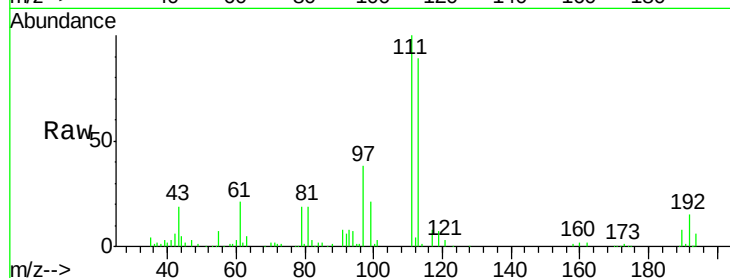
Tot Ion: 43 Resp: 29947

Ion Ratio Lower Upper

43 100

61 109.4 81.7 122.5

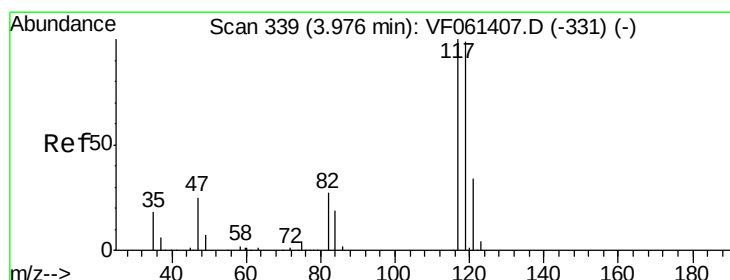
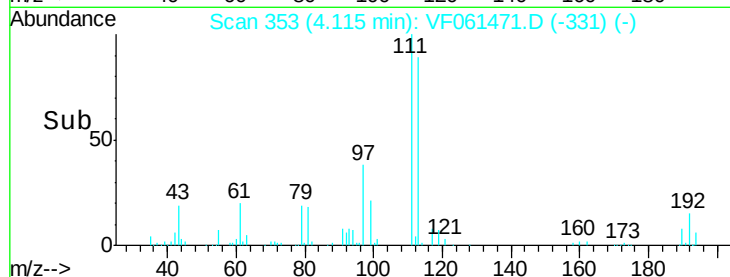
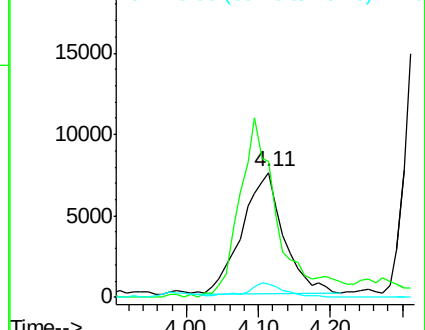
70 10.8 6.2 9.2#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0



#38

Carbon Tetrachloride

Concen: 21.778 ug/l

RT: 3.99 min Scan# 340

Delta R.T. 0.01 min

Lab File: VF061471.D

Acq: 21 Jan 2019 14:02

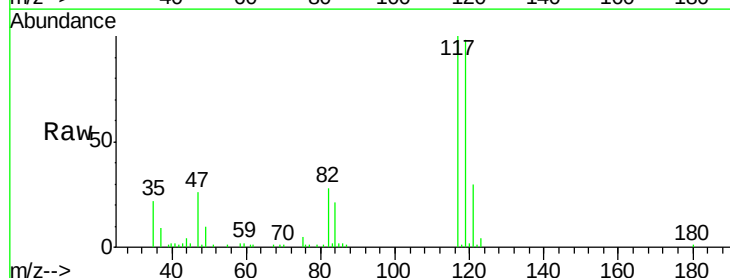
Tgt Ion: 117 Resp: 69750

Ion Ratio Lower Upper

117 100

119 98.3 79.0 118.6

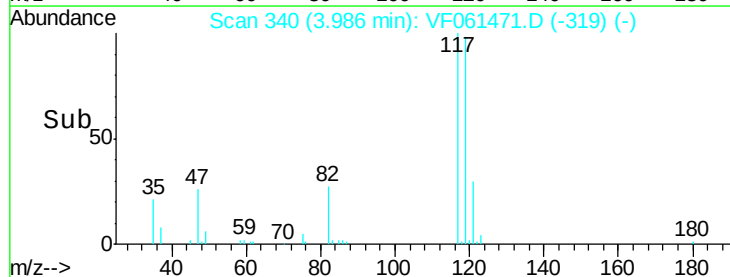
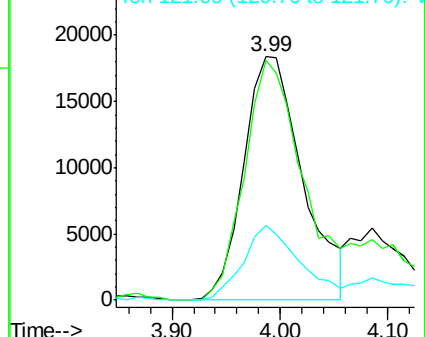
121 30.4 27.0 40.6

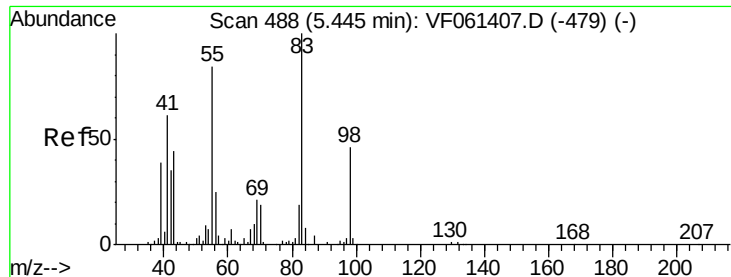


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V

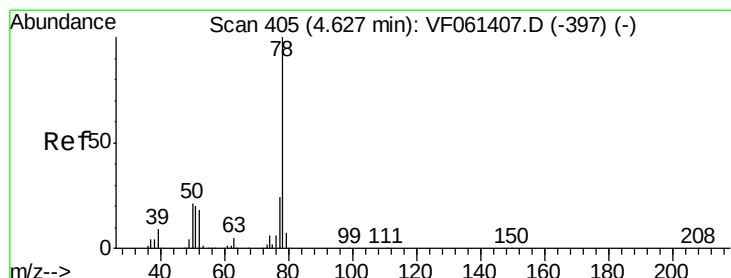
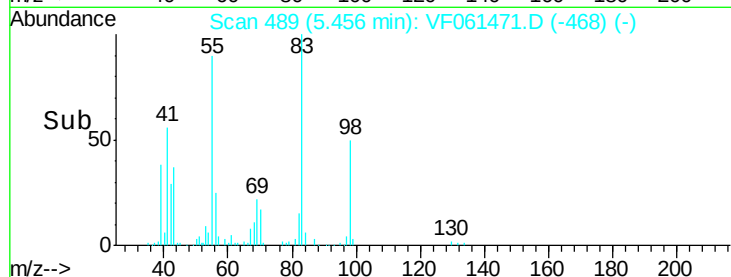
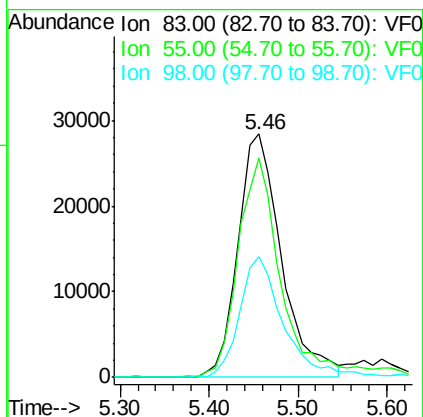
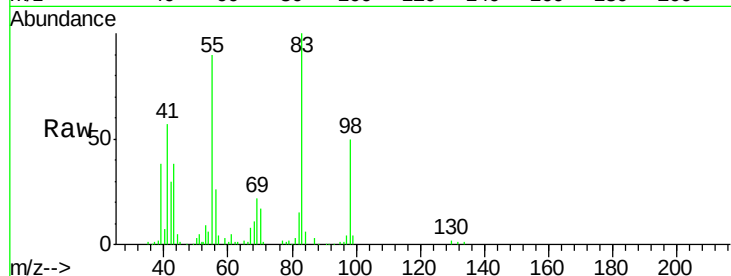




#39
Methylvlcyclohexane
Concen: 24.271 ug/l
RT: 5.46 min Scan# 489
Delta R.T. 0.01 min
Lab File: VF061471.D
Acq: 21 Jan 2019 14:02

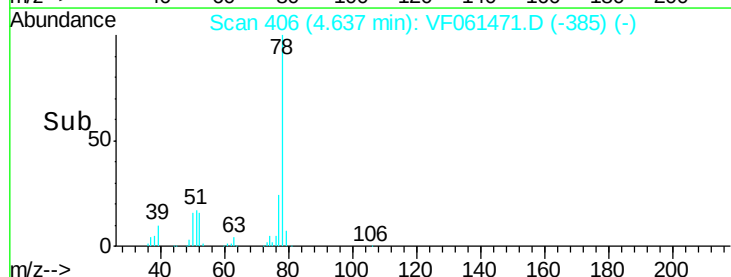
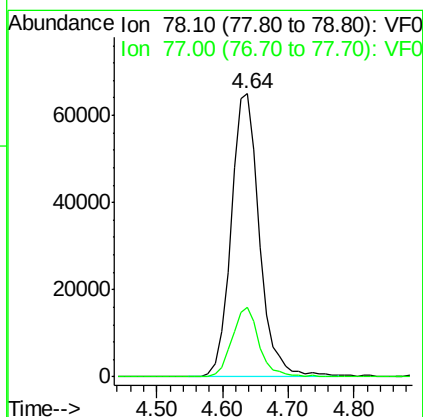
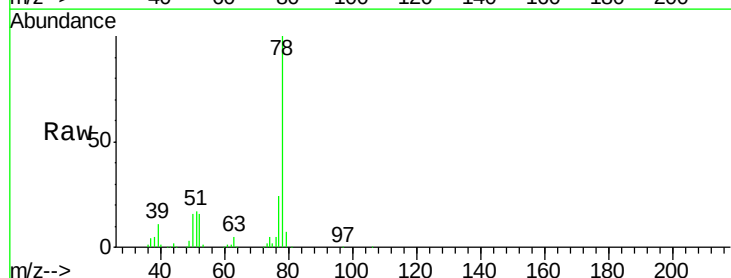
Instrument :
MSVOA_F
ClientSampleId :
VF0121SBS01

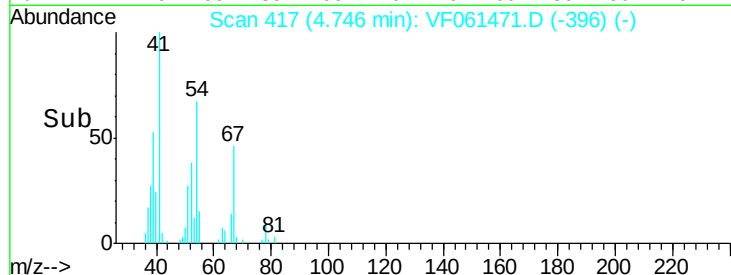
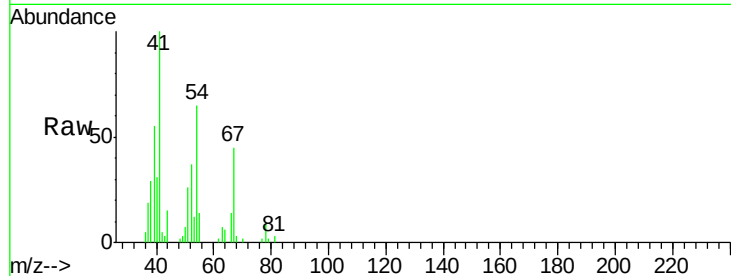
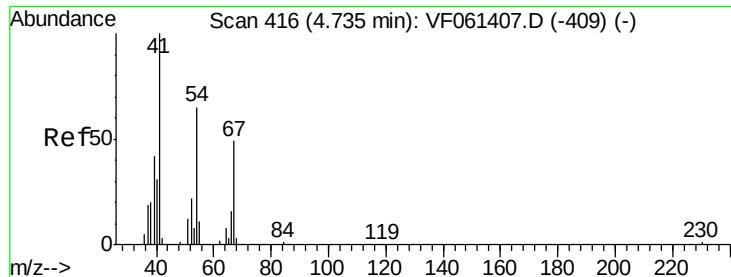
Tot Ion: 83 Resp: 96364
Ion Ratio Lower Upper
83 100
55 90.1 67.4 101.2
98 49.7 36.7 55.1



#40
Benzene
Concen: 24.041 ug/l
RT: 4.64 min Scan# 406
Delta R.T. 0.01 min
Lab File: VF061471.D
Acq: 21 Jan 2019 14:02

Tgt Ion: 78 Resp: 195980
Ion Ratio Lower Upper
78 100
77 24.4 19.0 28.6

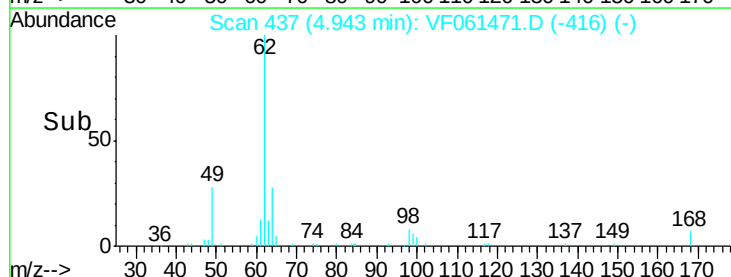
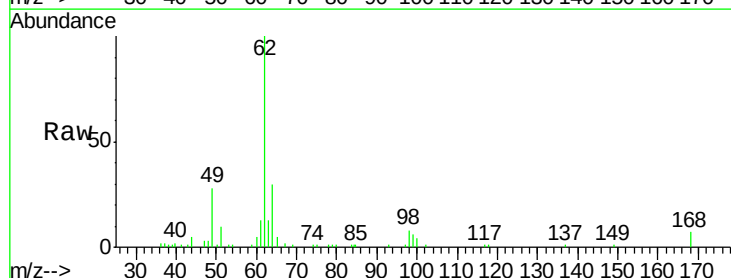
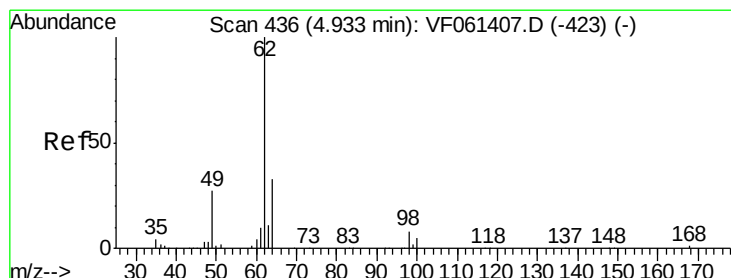
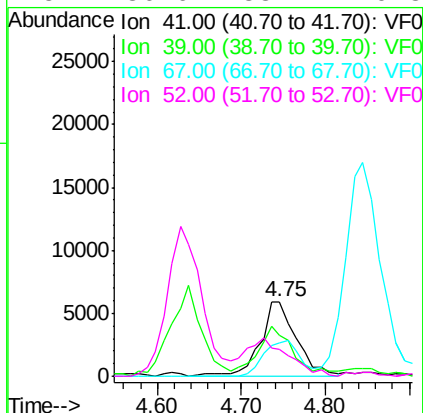




#41
Methacrylonitrile
Concen: 22.988 ug/l
RT: 4.75 min Scan# 417
Delta R.T. 0.01 min
Lab File: VF061471.D
Acq: 21 Jan 2019 14:02

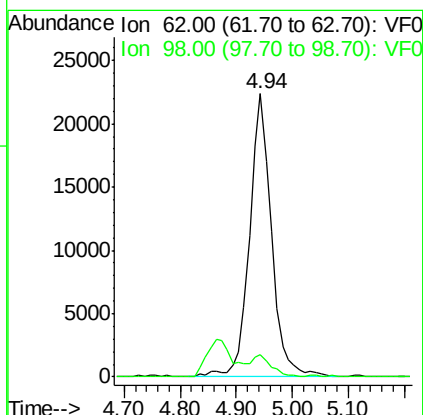
Instrument :
MSVOA_F
ClientSampleId :
VF0121SBSD01

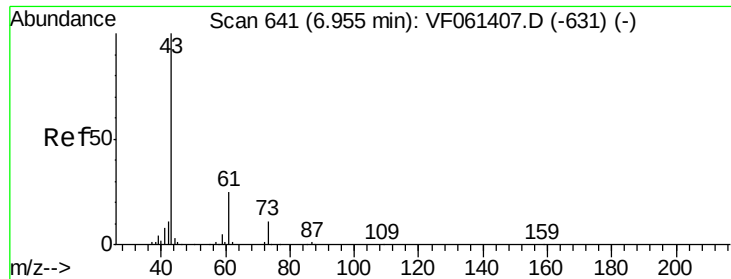
Tot Ion:	41	Resp:	17913
Ion	Ratio	Lower	Upper
41	100		
39	54.9	43.1	64.7
67	44.6	38.8	58.2
52	36.6	33.2	49.8



#42
1,2-Dichloroethane
Concen: 20.972 ug/l
RT: 4.94 min Scan# 437
Delta R.T. 0.01 min
Lab File: VF061471.D
Acq: 21 Jan 2019 14:02

Tgt Ion:	62	Resp:	60922
Ion	Ratio	Lower	Upper
62	100		
98	8.0	0.0	17.0





#43

Isopropyl Acetate

Concen: 22.062 ug/l

RT: 6.96 min Scan# 641

Delta R.T. 0.00 min

Lab File: VF061471.D

Acq: 21 Jan 2019 14:02

Instrument :

MSVOA_F

ClientSampleId :

VF0121SBS01

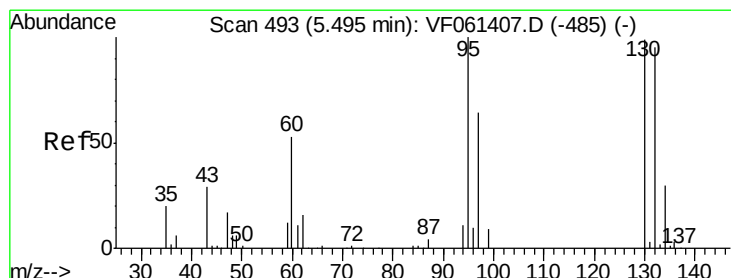
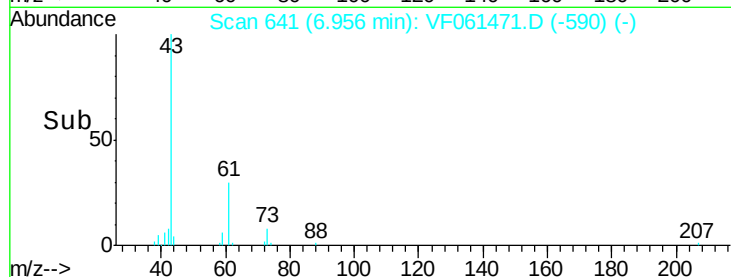
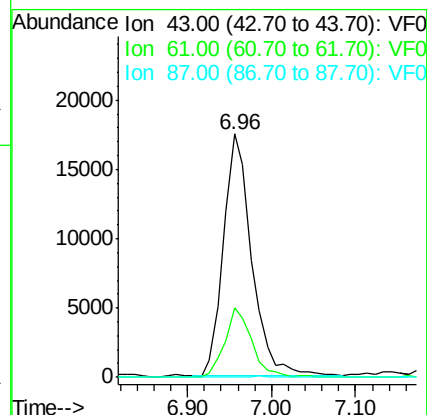
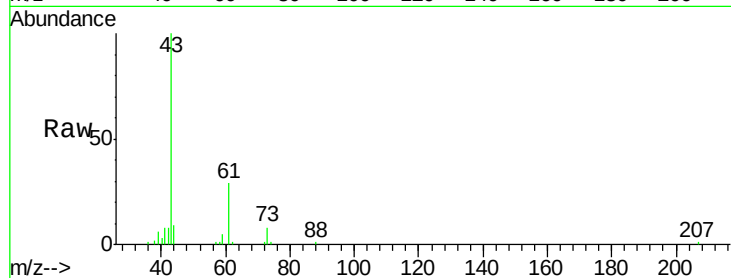
Tot Ion: 43 Resp: 40549

Ion Ratio Lower Upper

43 100

61 28.6 20.3 30.5

87 0.0 0.5 0.7#



#44

Trichloroethene

Concen: 23.194 ug/l

RT: 5.51 min Scan# 494

Delta R.T. 0.01 min

Lab File: VF061471.D

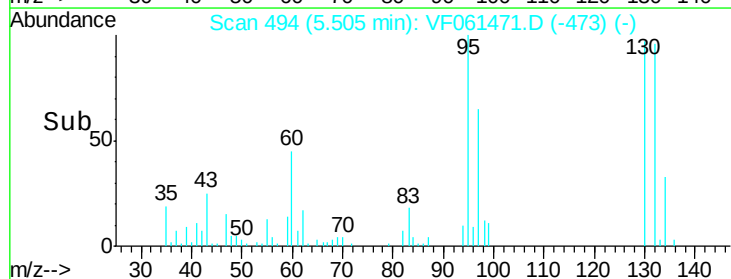
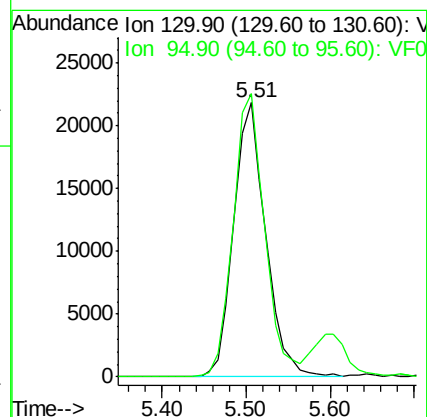
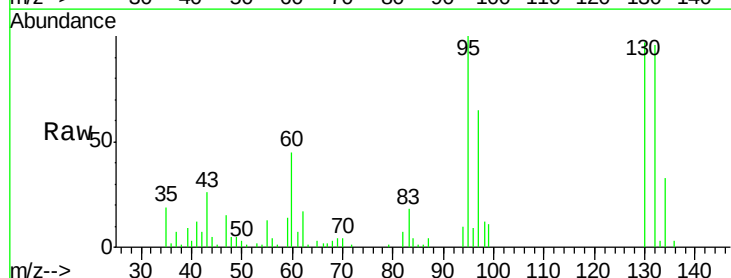
Acq: 21 Jan 2019 14:02

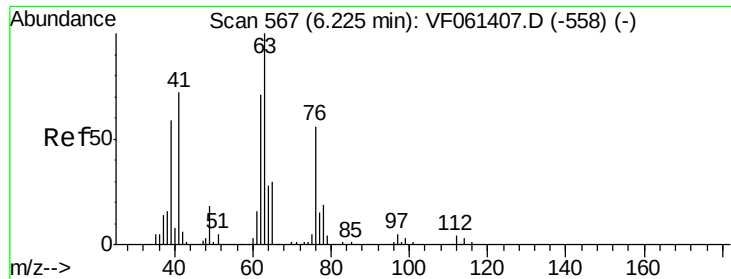
Tgt Ion:130 Resp: 58002

Ion Ratio Lower Upper

130 100

95 103.3 0.0 202.8





#45

1,2-Dichloropropane

Concen: 23.556 ug/l

RT: 6.24 min Scan# 568

Delta R.T. 0.01 min

Lab File: VF061471.D

Acq: 21 Jan 2019 14:02

Instrument :

MSVOA_F

ClientSampleId :

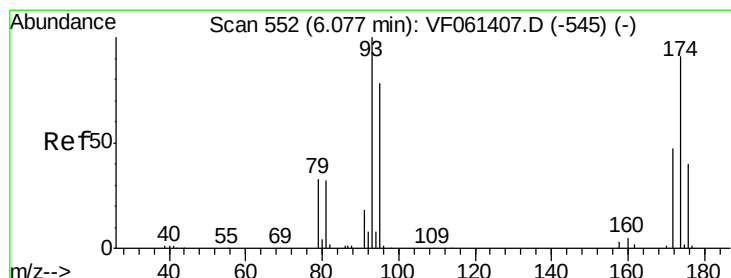
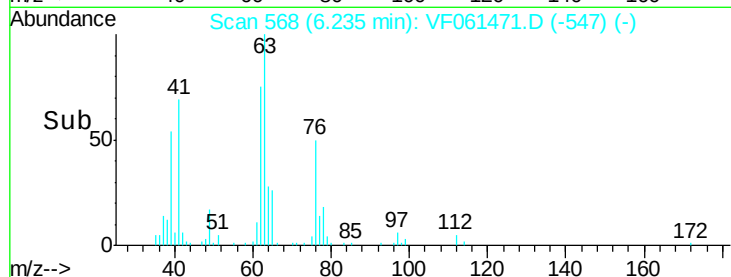
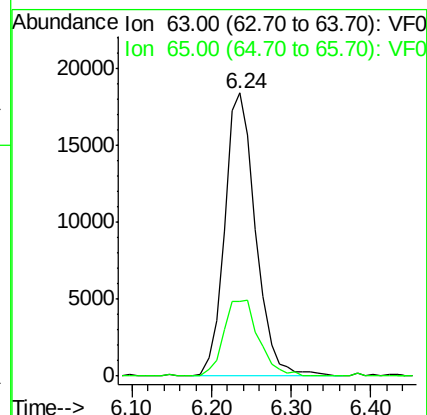
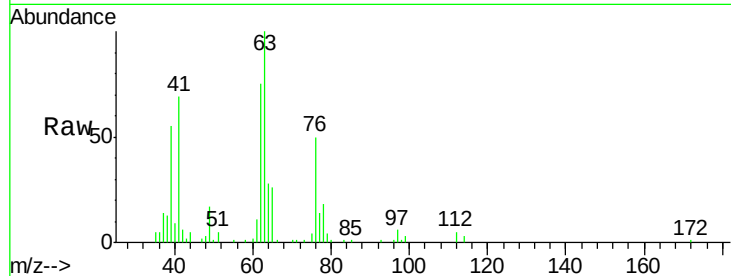
VF0121SBS01

Tot Ion: 63 Resp: 50398

Ion Ratio Lower Upper

63 100

65 26.2 24.4 36.6



#46

Dibromomethane

Concen: 20.550 ug/l

RT: 6.09 min Scan# 553

Delta R.T. 0.01 min

Lab File: VF061471.D

Acq: 21 Jan 2019 14:02

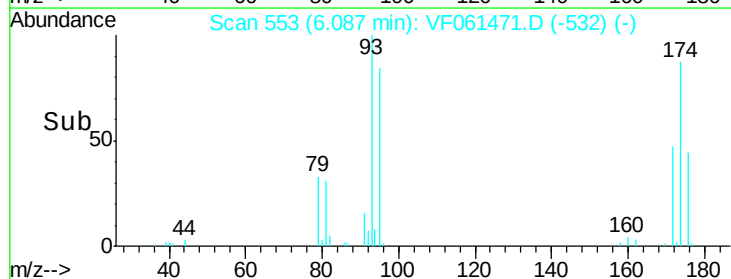
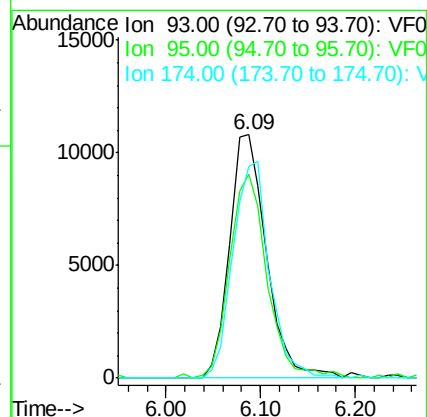
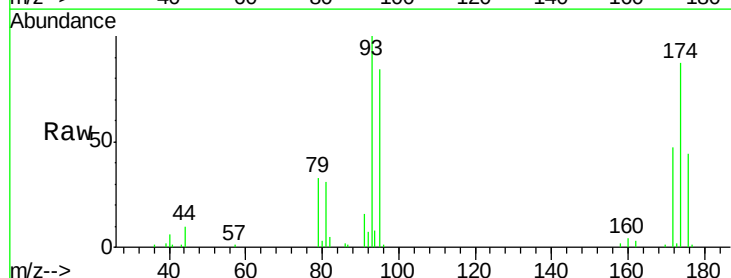
Tgt Ion: 93 Resp: 29236

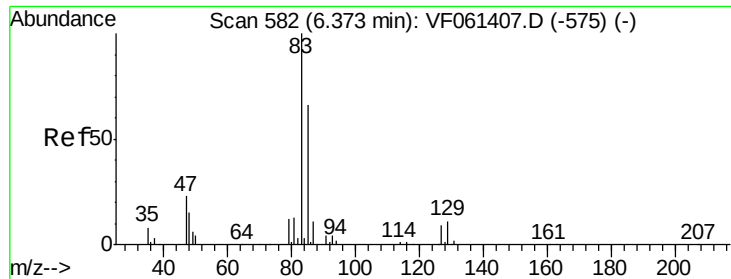
Ion Ratio Lower Upper

93 100

95 83.7 62.1 93.1

174 87.0 74.6 111.8





#47

Bromodichloromethane

Concen: 21.247 ug/l

RT: 6.38 min Scan# 583

Delta R.T. 0.01 min

Lab File: VF061471.D

Acq: 21 Jan 2019 14:02

Instrument :

MSVOA_F

ClientSampleId :

VF0121SBSD01

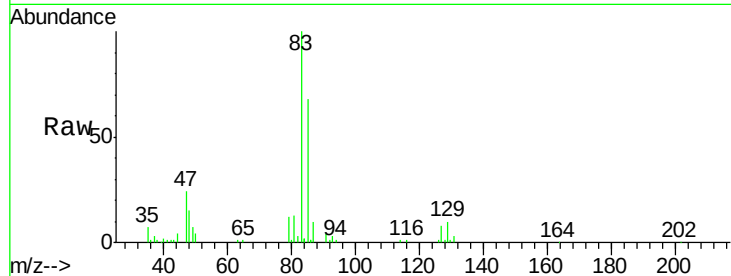
Tot Ion: 83 Resp: 74788

Ion Ratio Lower Upper

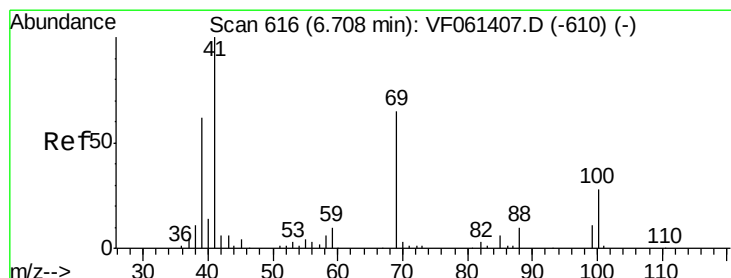
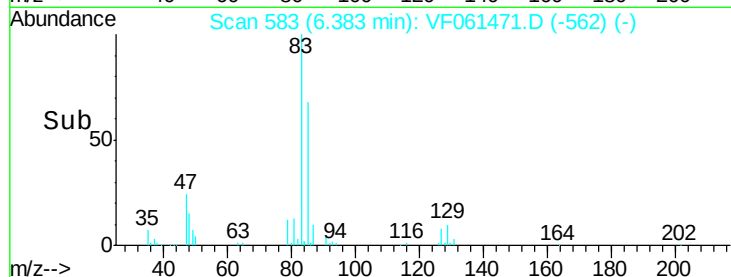
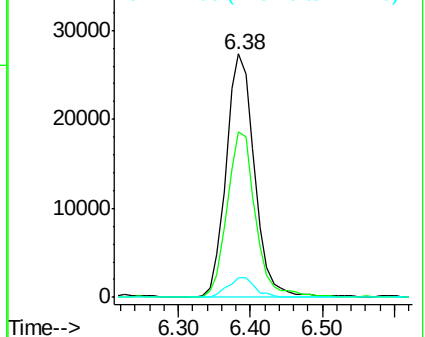
83 100

85 68.0 53.0 79.4

127 7.9 6.9 10.3



Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 85.00 (84.70 to 85.70): VF0
Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 19.527 ug/l

RT: 6.72 min Scan# 617

Delta R.T. 0.01 min

Lab File: VF061471.D

Acq: 21 Jan 2019 14:02

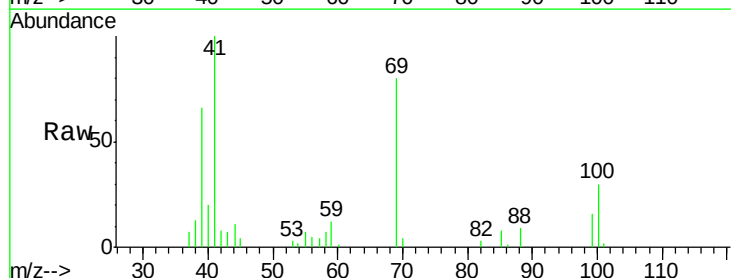
Tgt Ion: 41 Resp: 24101

Ion Ratio Lower Upper

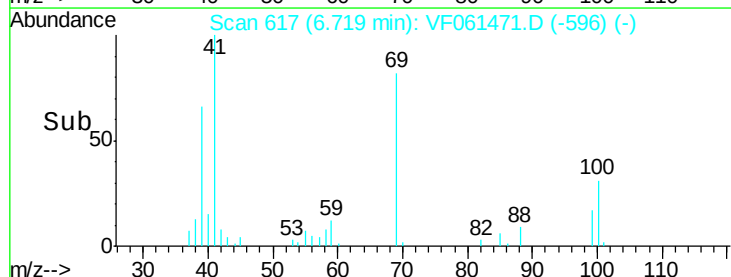
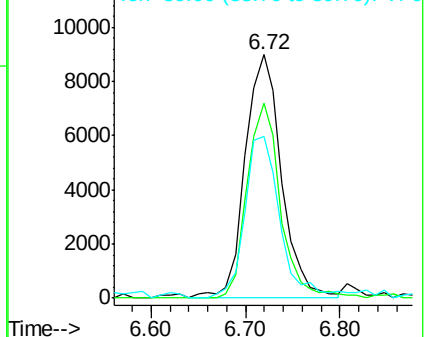
41 100

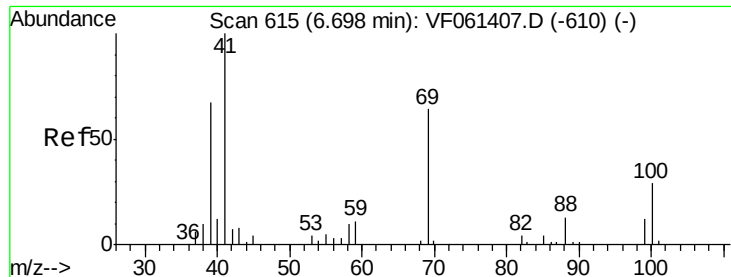
69 80.1 51.7 77.5#

39 66.4 49.2 73.8



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: 347.002 ug/l

RT: 6.70 min Scan# 615

Delta R.T. 0.00 min

Lab File: VF061471.D

Acq: 21 Jan 2019 14:02

Instrument :

MSVOA_F

ClientSampleId :

VF0121SBS01

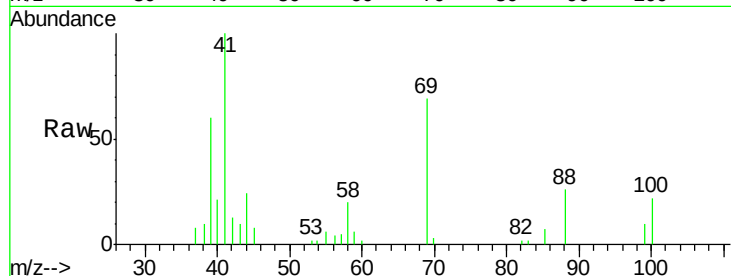
Tot Ion: 88 Resp: 3380

Ion Ratio Lower Upper

88 100

43 40.4 55.5 83.3#

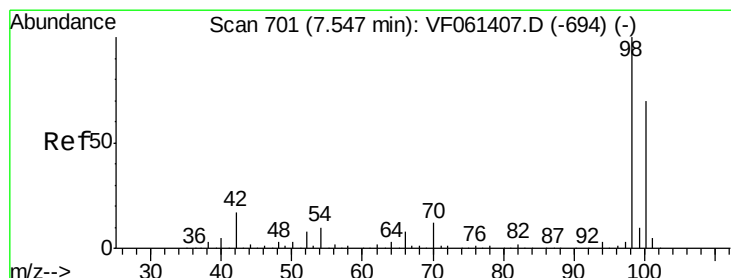
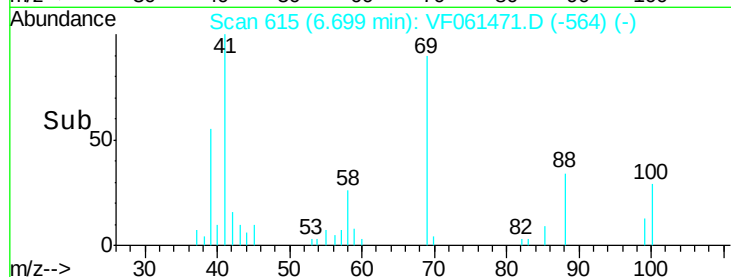
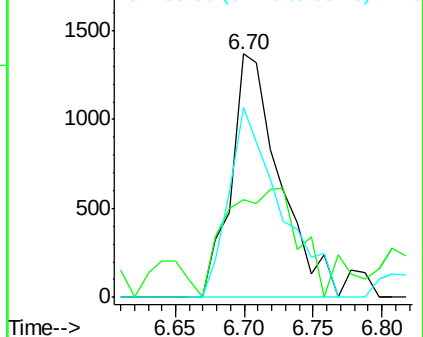
58 77.9 59.9 89.9



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: 46.986 ug/l

RT: 7.56 min Scan# 702

Delta R.T. 0.01 min

Lab File: VF061471.D

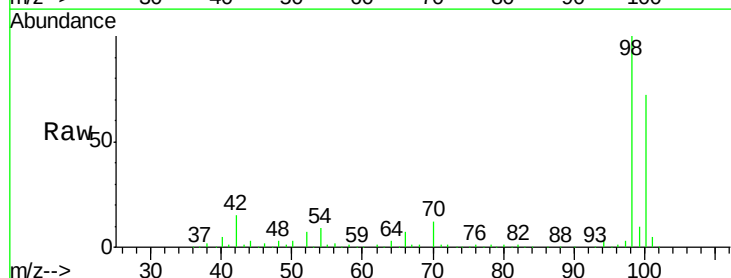
Acq: 21 Jan 2019 14:02

Tgt Ion: 98 Resp: 320974

Ion Ratio Lower Upper

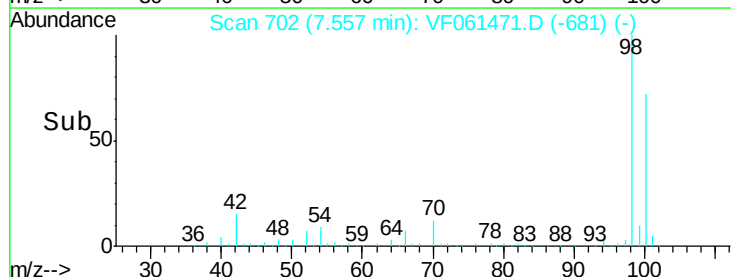
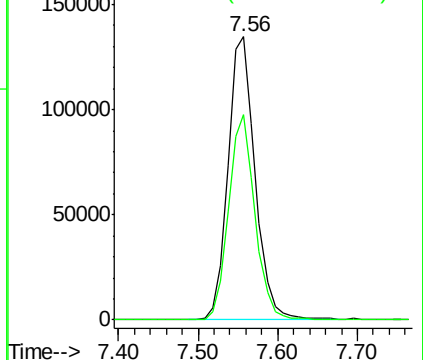
98 100

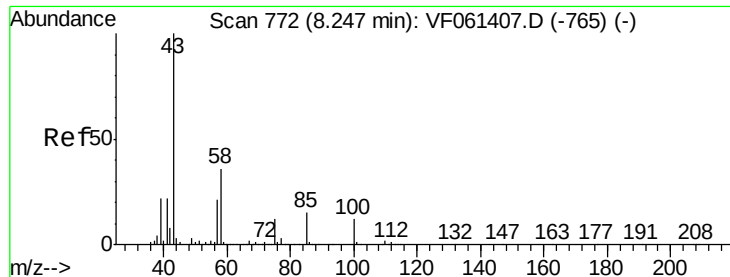
100 72.4 55.6 83.4



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: 117.099 ug/l

RT: 8.26 min Scan# 773

Delta R.T. 0.01 min

Lab File: VF061471.D

Acq: 21 Jan 2019 14:02

Instrument :

MSVOA_F

ClientSampleId :

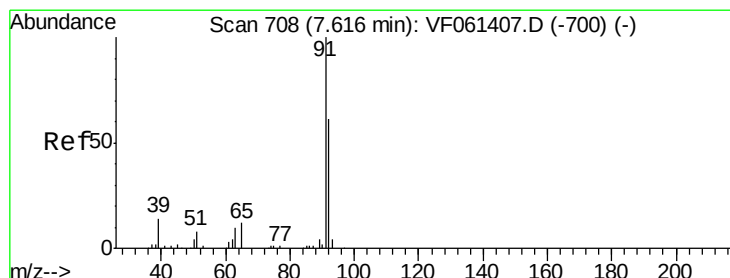
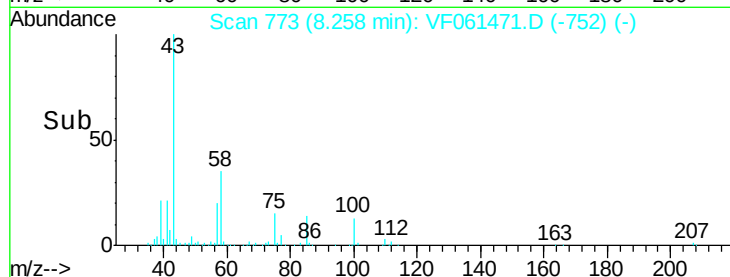
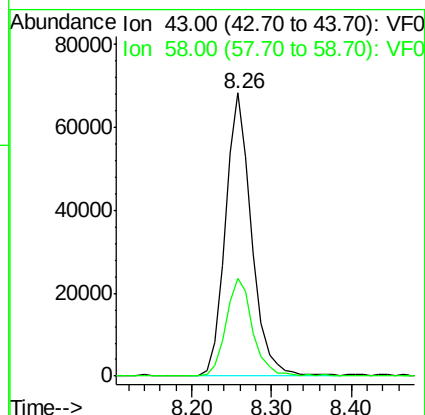
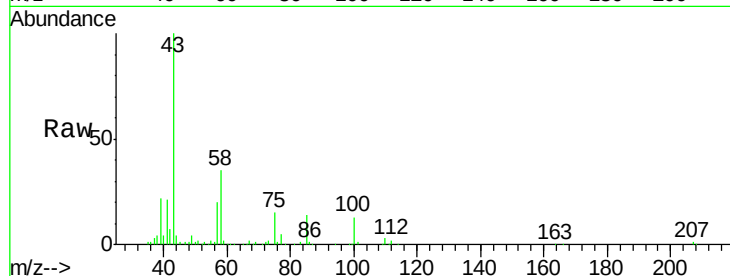
VF0121SBS01

Tot Ion: 43 Resp: 158225

Ion Ratio Lower Upper

43 100

58 34.7 28.8 43.2



#52

Toluene

Concen: 20.240 ug/l

RT: 7.63 min Scan# 709

Delta R.T. 0.01 min

Lab File: VF061471.D

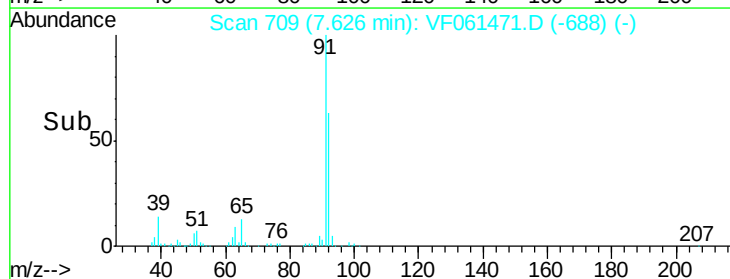
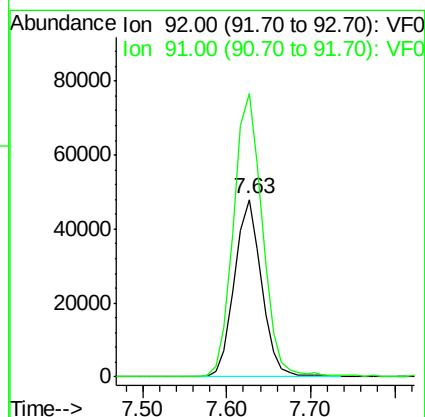
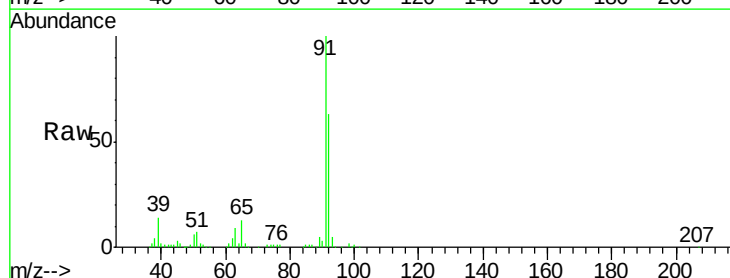
Acq: 21 Jan 2019 14:02

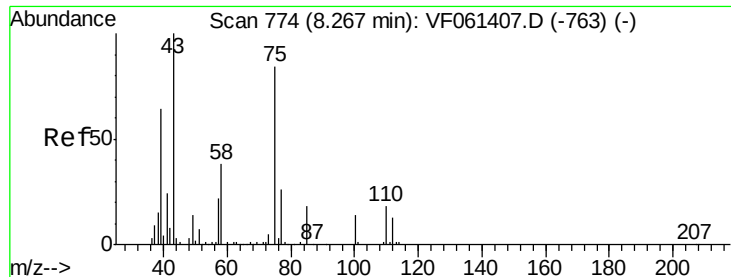
Tgt Ion: 92 Resp: 108656

Ion Ratio Lower Upper

92 100

91 159.4 131.2 196.8





#53

t-1,3-Dichloropropene

Concen: 21.958 ug/l

RT: 8.28 min Scan# 775

Delta R.T. 0.01 min

Lab File: VF061471.D

Acq: 21 Jan 2019 14:02

Instrument :

MSVOA_F

ClientSampleId :

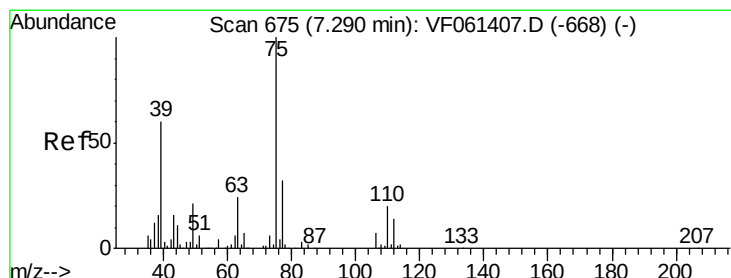
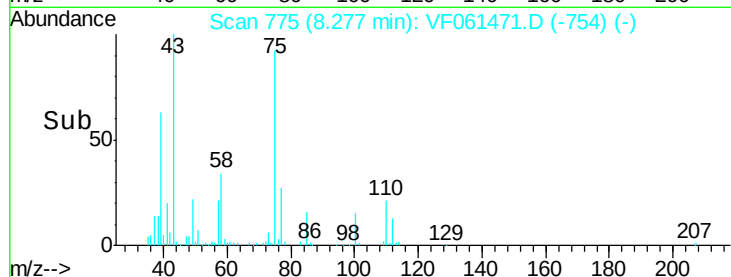
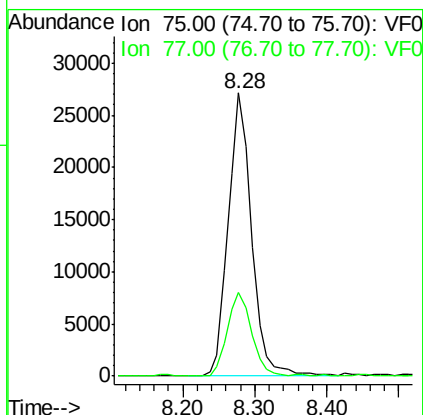
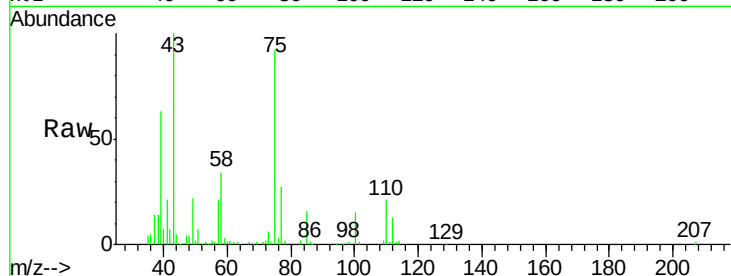
VF0121SBS01

Tot Ion: 75 Resp: 61374

Ion Ratio Lower Upper

75 100

77 29.7 24.4 36.6



#54

cis-1,3-Dichloropropene

Concen: 22.565 ug/l

RT: 7.30 min Scan# 676

Delta R.T. 0.01 min

Lab File: VF061471.D

Acq: 21 Jan 2019 14:02

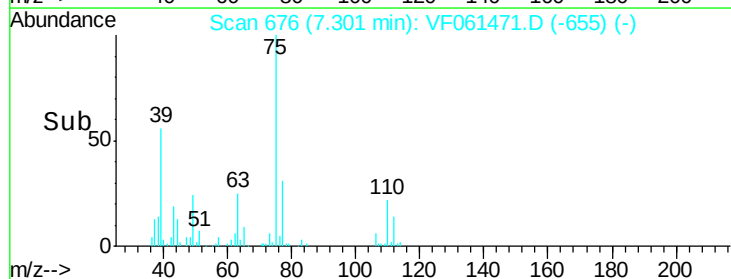
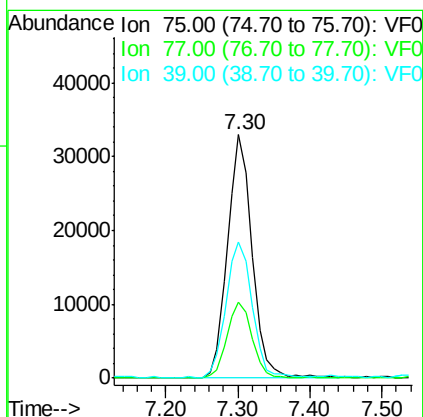
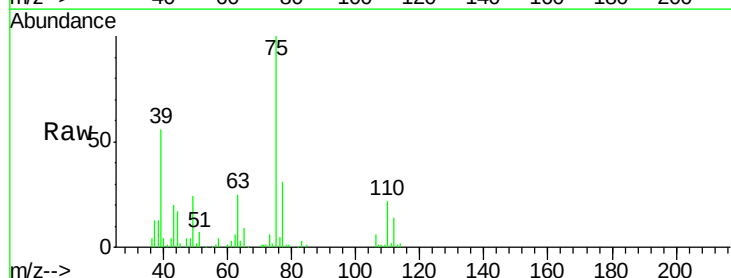
Tgt Ion: 75 Resp: 78837

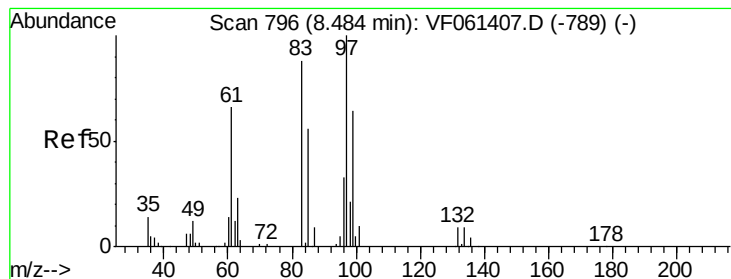
Ion Ratio Lower Upper

75 100

77 30.9 25.4 38.0

39 55.9 47.8 71.8





#55

1,1,2-Trichloroethane

Concen: 22.138 ug/l

RT: 8.49 min Scan# 797

Delta R.T. 0.01 min

Lab File: VF061471.D

Acq: 21 Jan 2019 14:02

Instrument :

MSVOA_F

ClientSampleId :

VF0121SBS01

Tot Ion: 97 Resp: 33749

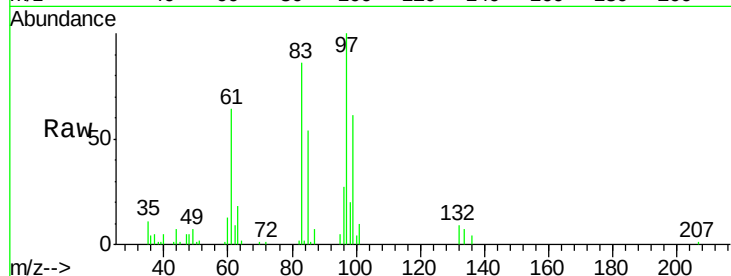
Ion Ratio Lower Upper

97 100

83 86.3 70.4 105.6

85 53.6 44.7 67.1

99 61.2 50.8 76.2

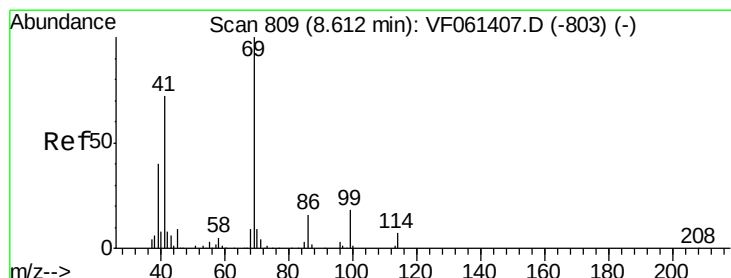
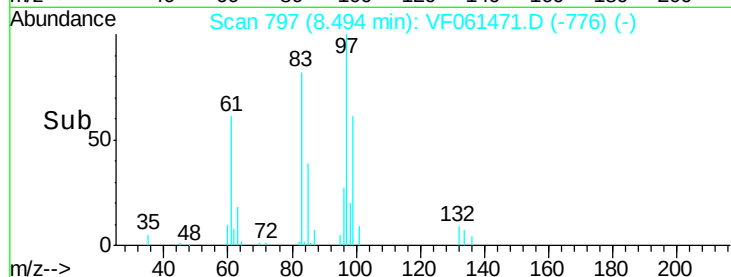
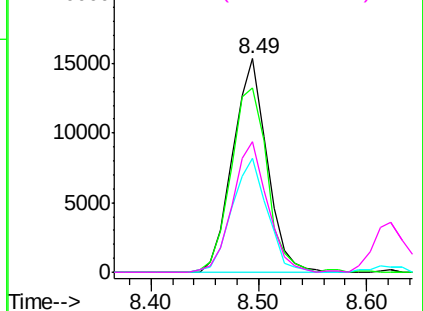


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 22.129 ug/l

RT: 8.62 min Scan# 810

Delta R.T. 0.01 min

Lab File: VF061471.D

Acq: 21 Jan 2019 14:02

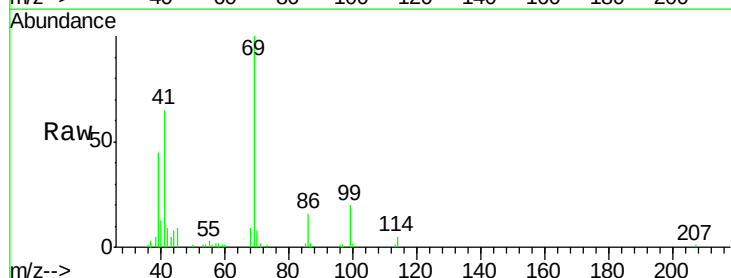
Tgt Ion: 69 Resp: 39248

Ion Ratio Lower Upper

69 100

41 65.3 57.5 86.3

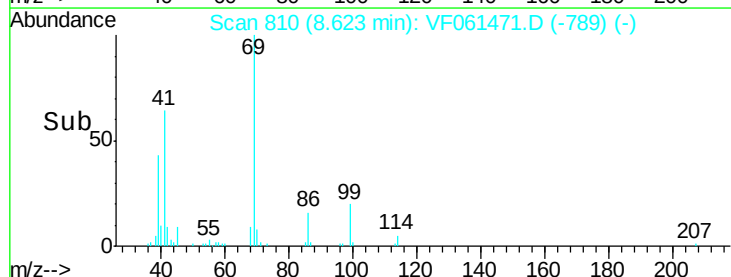
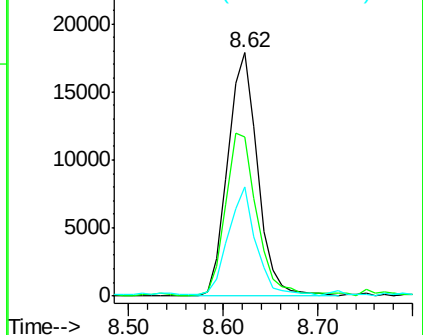
39 45.0 32.0 48.0

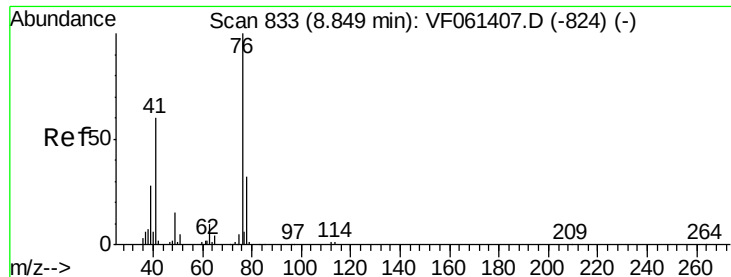


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 21.427 ug/l

RT: 8.85 min Scan# 833

Delta R.T. 0.00 min

Lab File: VF061471.D

Acq: 21 Jan 2019 14:02

Instrument :

MSVOA_F

ClientSampleId :

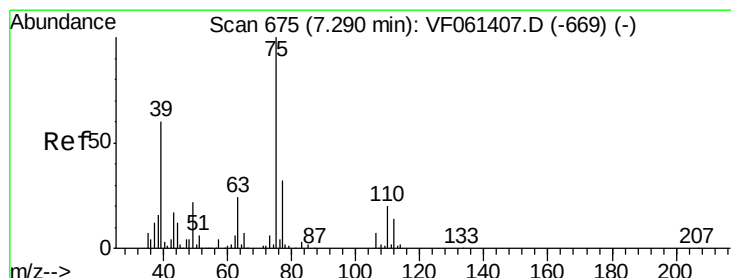
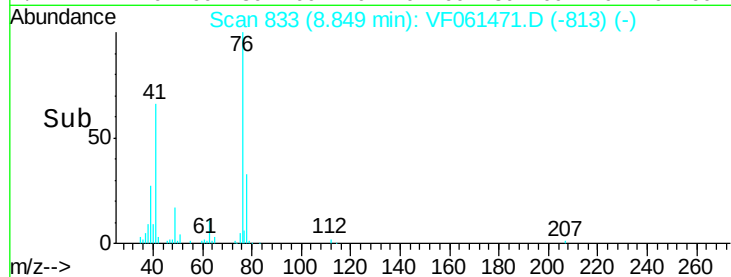
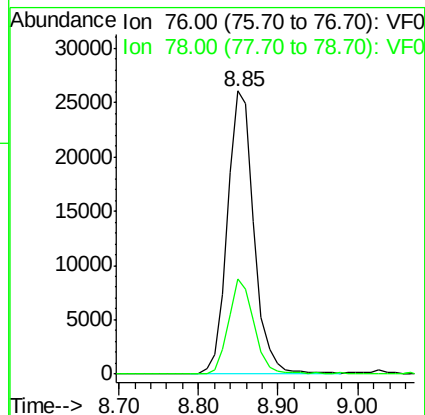
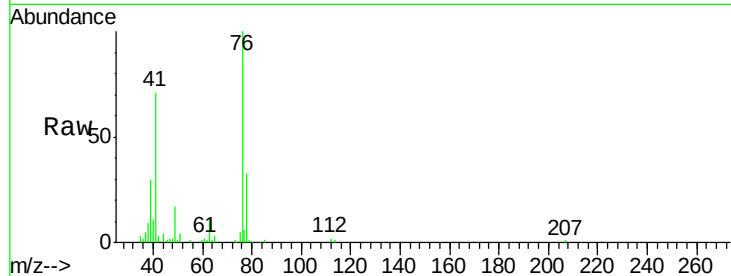
VF0121SBSD01

Tot Ion: 76 Resp: 61227

Ion Ratio Lower Upper

76 100

78 33.4 25.3 37.9



#58

2-Chloroethyl Vinyl ether

Concen: 126.255 ug/l

RT: 7.29 min Scan# 675

Delta R.T. 0.00 min

Lab File: VF061471.D

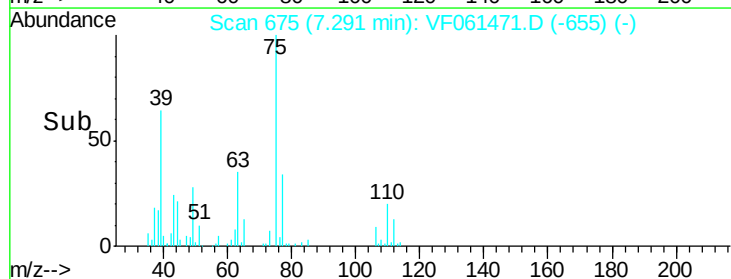
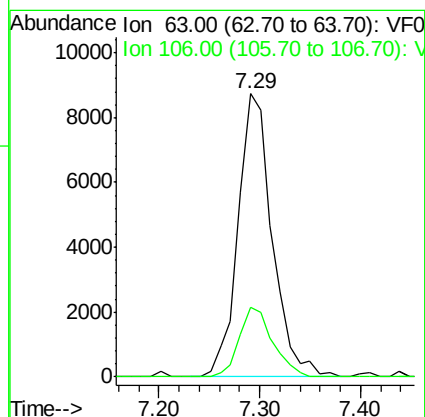
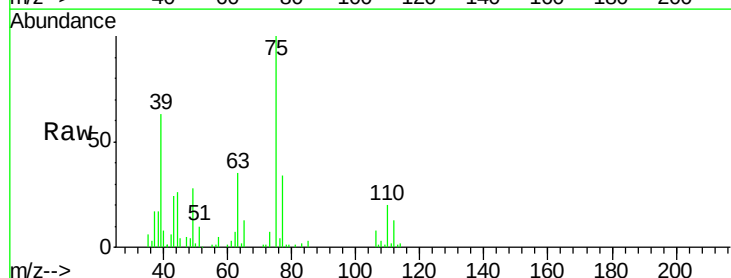
Acq: 21 Jan 2019 14:02

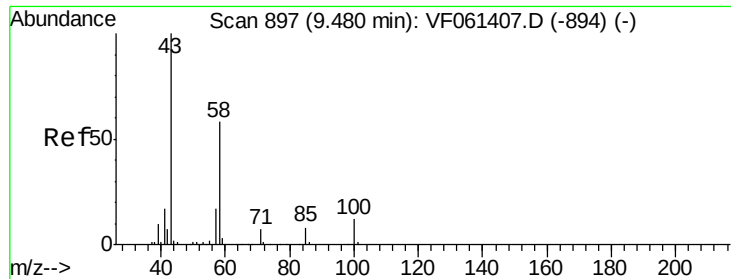
Tgt Ion: 63 Resp: 20635

Ion Ratio Lower Upper

63 100

106 24.4 21.9 32.9

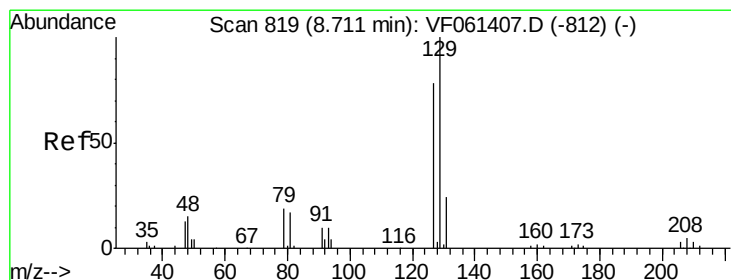
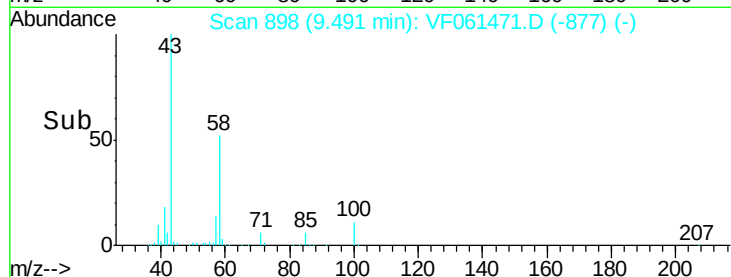
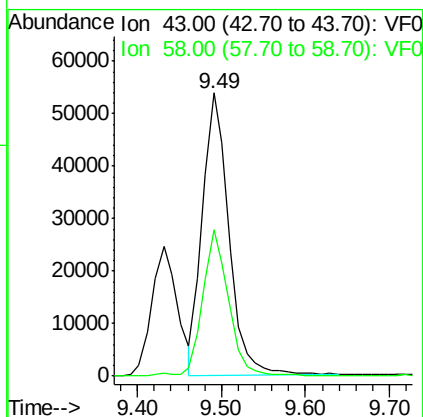
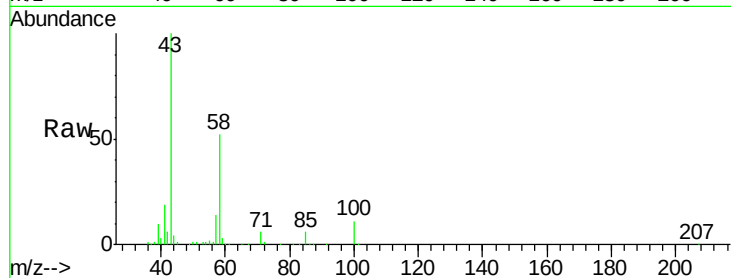




#59
2-Hexanone
Concen: 125.359 ug/l
RT: 9.49 min Scan# 898
Delta R.T. 0.01 min
Lab File: VF061471.D
Acq: 21 Jan 2019 14:02

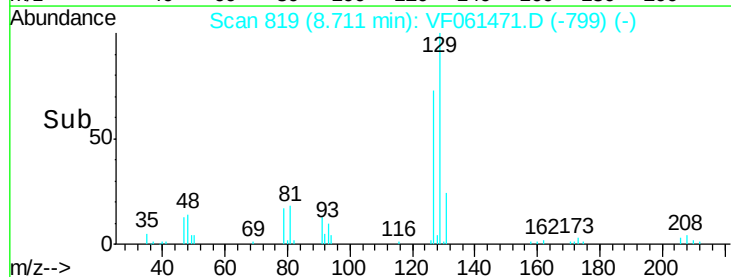
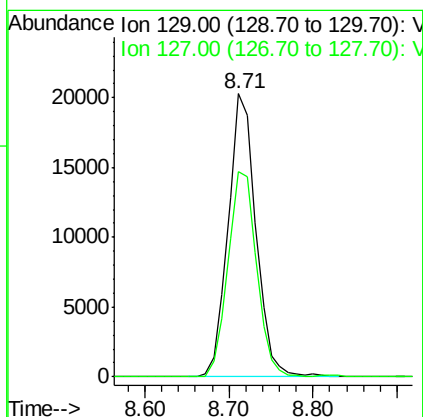
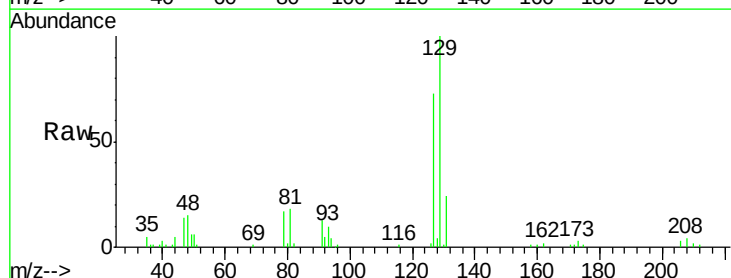
Instrument :
MSVOA_F
ClientSampleId :
VF0121SBSD01

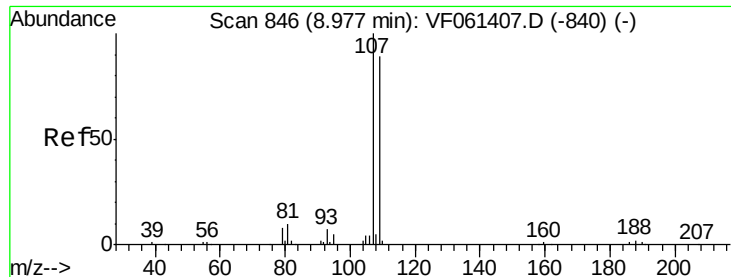
Tot Ion: 43 Resp: 118116
Ion Ratio Lower Upper
43 100
58 51.7 25.9 77.6



#60
Dibromochloromethane
Concen: 20.930 ug/l
RT: 8.71 min Scan# 819
Delta R.T. 0.00 min
Lab File: VF061471.D
Acq: 21 Jan 2019 14:02

Tgt Ion: 129 Resp: 46647
Ion Ratio Lower Upper
129 100
127 72.5 39.1 117.2





#61

1,2-Dibromoethane

Concen: 21.328 ug/l

RT: 8.98 min Scan# 846

Delta R.T. 0.00 min

Lab File: VF061471.D

Acq: 21 Jan 2019 14:02

Instrument :

MSVOA_F

ClientSampleId :

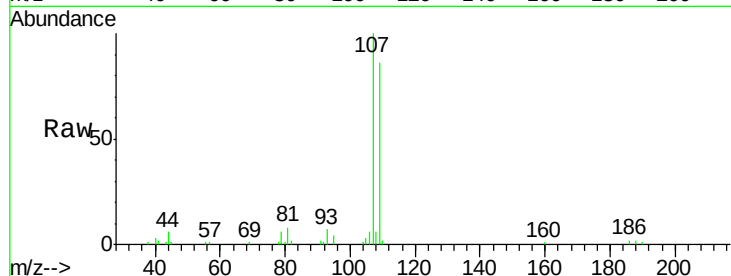
VF0121SBSD01

Tot Ion:107 Resp: 37221

Ion Ratio Lower Upper

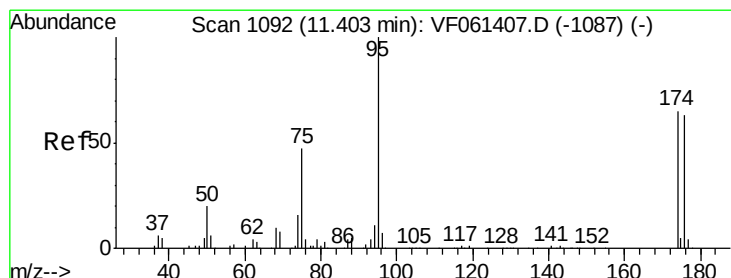
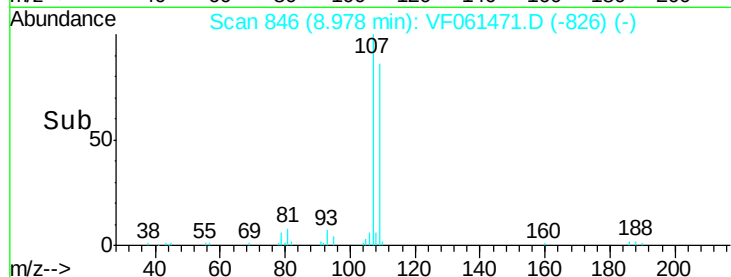
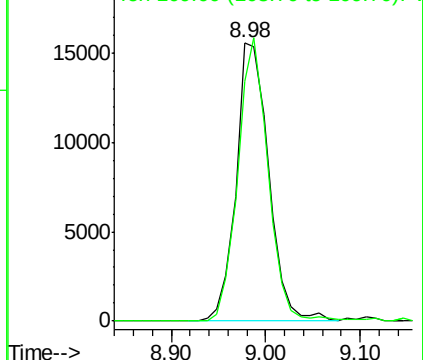
107 100

109 86.2 70.8 106.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 45.915 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. 0.00 min

Lab File: VF061471.D

Acq: 21 Jan 2019 14:02

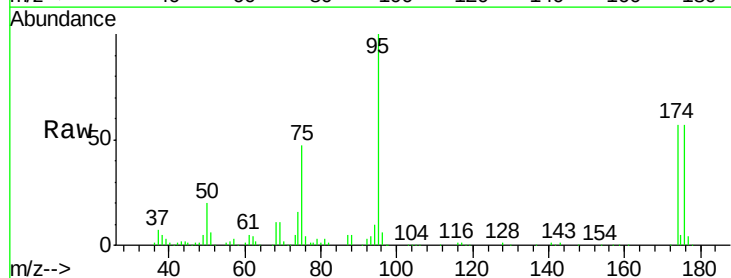
Tgt Ion: 95 Resp: 146547

Ion Ratio Lower Upper

95 100

174 57.0 0.0 130.4

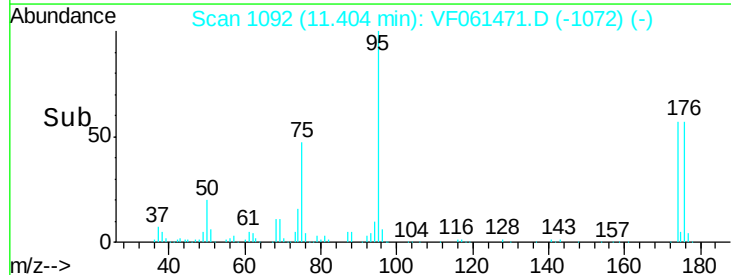
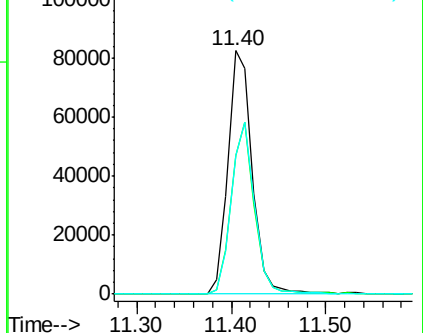
176 57.1 0.0 126.2

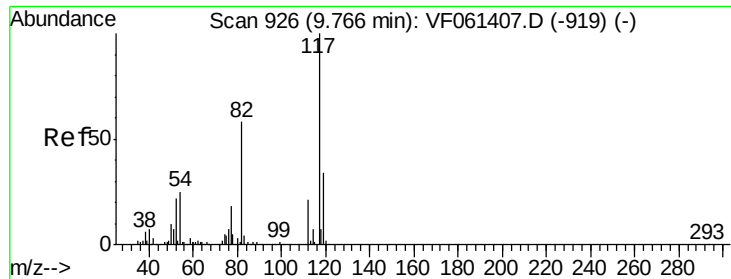


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.78 min Scan# 927

Delta R.T. 0.01 min

Lab File: VF061471.D

Acq: 21 Jan 2019 14:02

Instrument :

MSVOA_F

ClientSampleId :

VF0121SBS01

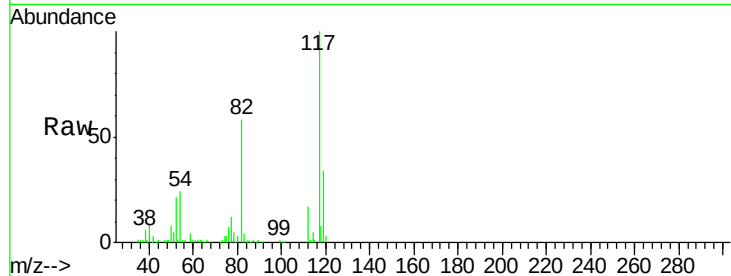
Tot Ion:117 Resp: 275268

Ion Ratio Lower Upper

117 100

82 57.6 46.4 69.6

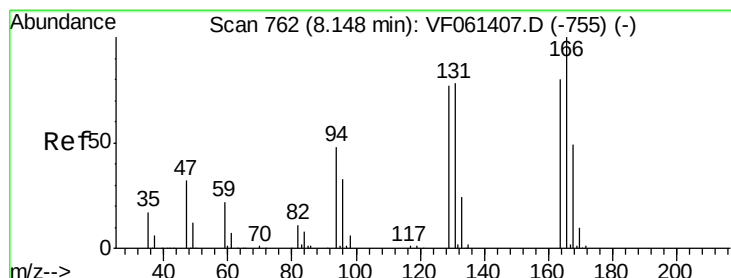
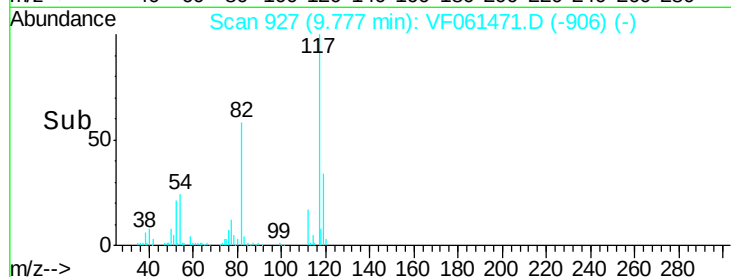
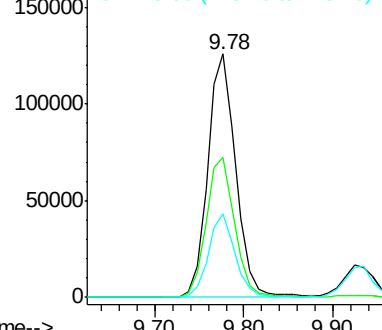
119 34.2 27.2 40.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V



#64

Tetrachloroethene

Concen: 21.980 ug/l

RT: 8.16 min Scan# 763

Delta R.T. 0.01 min

Lab File: VF061471.D

Acq: 21 Jan 2019 14:02

Tgt Ion:164 Resp: 45500

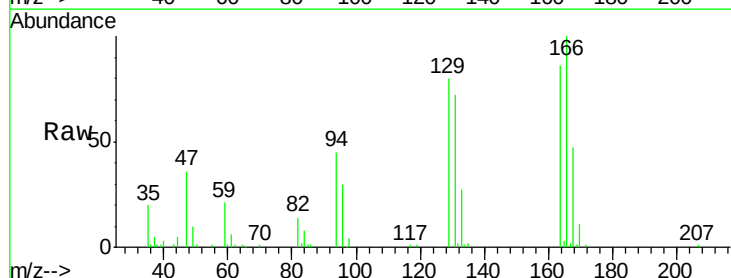
Ion Ratio Lower Upper

164 100

166 116.5 99.6 149.4

129 92.9 76.4 114.6

131 84.2 77.9 116.9

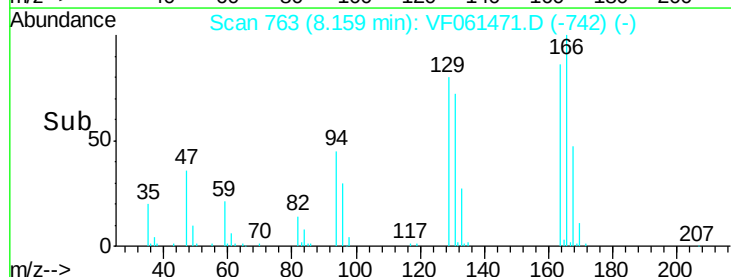
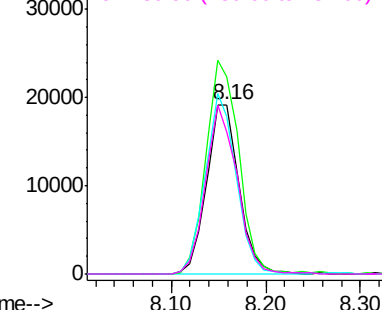


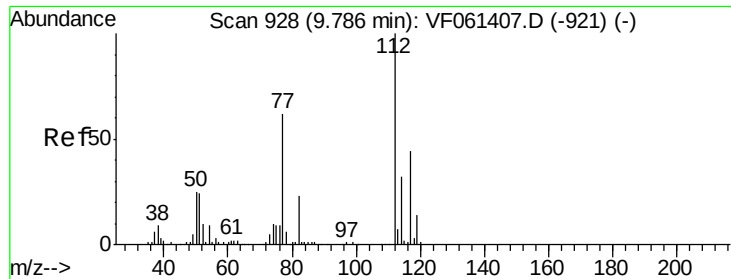
Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V





#65

Chlorobenzene

Concen: 22.876 ug/l

RT: 9.80 min Scan# 929

Delta R.T. 0.01 min

Lab File: VF061471.D

Acq: 21 Jan 2019 14:02

Instrument :

MSVOA_F

ClientSampleId :

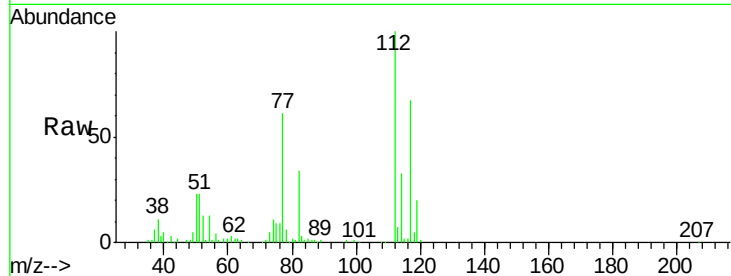
VF0121SBS01

Tot Ion:112 Resp: 128055

Ion Ratio Lower Upper

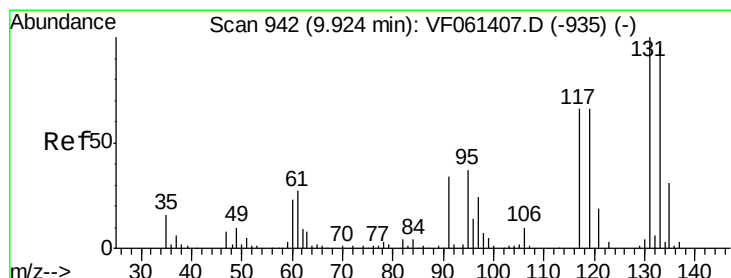
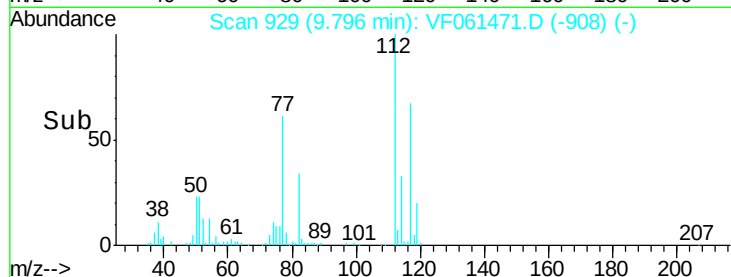
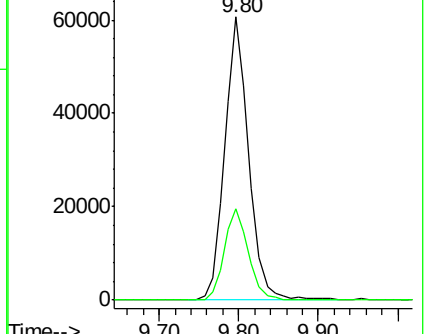
112 100

114 32.5 25.4 38.0



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: 23.357 ug/l

RT: 9.92 min Scan# 942

Delta R.T. 0.00 min

Lab File: VF061471.D

Acq: 21 Jan 2019 14:02

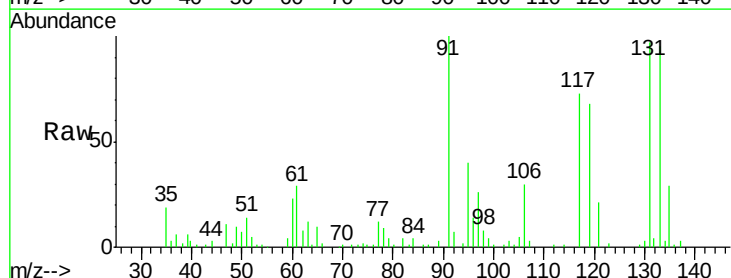
Tgt Ion:131 Resp: 52084

Ion Ratio Lower Upper

131 100

133 97.7 47.4 142.2

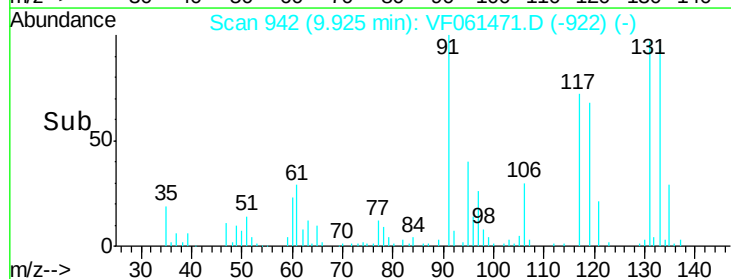
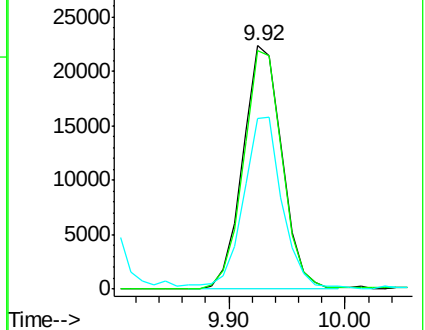
119 70.2 33.1 99.3

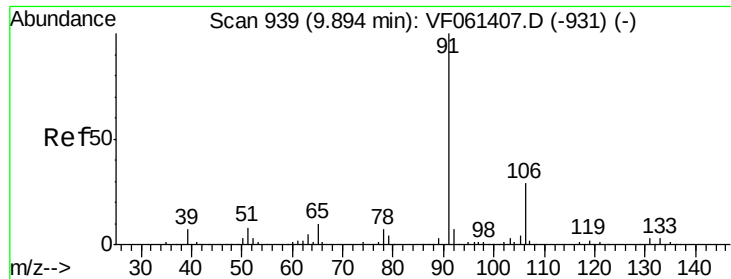


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

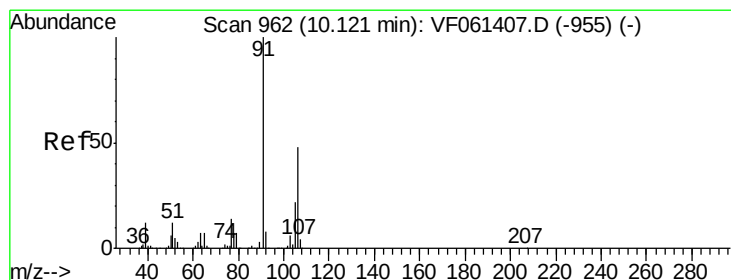
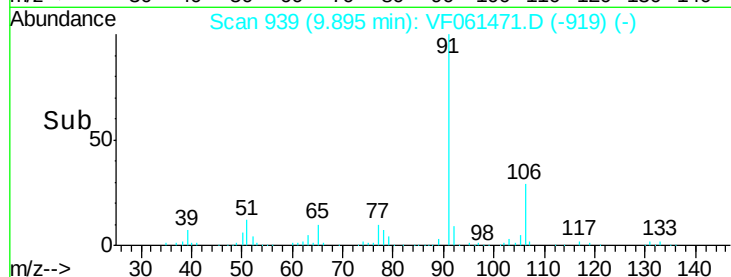
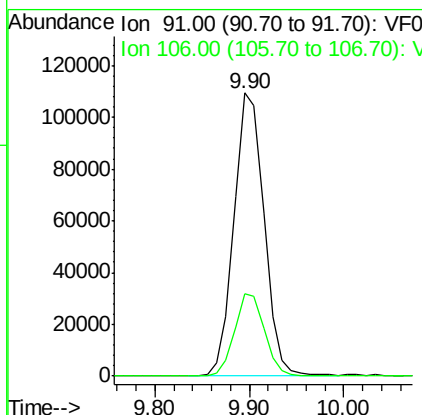
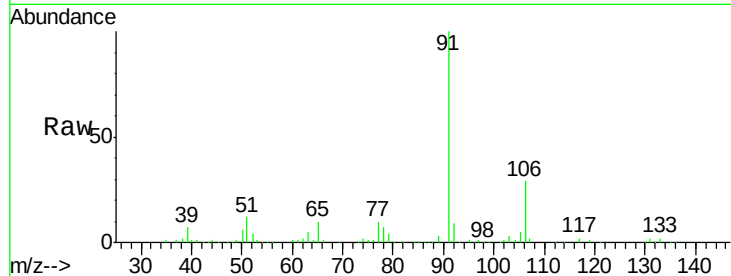




#67
Ethyl Benzene
Concen: 23.720 ug/l
RT: 9.90 min Scan# 939
Delta R.T. 0.00 min
Lab File: VF061471.D
Acq: 21 Jan 2019 14:02

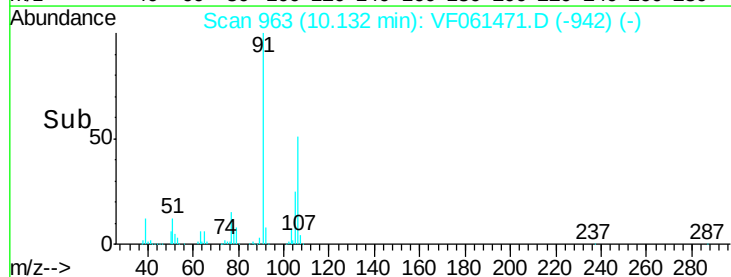
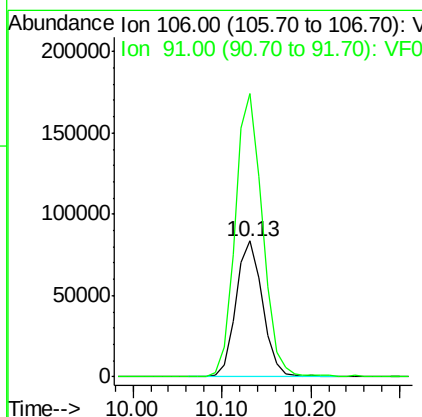
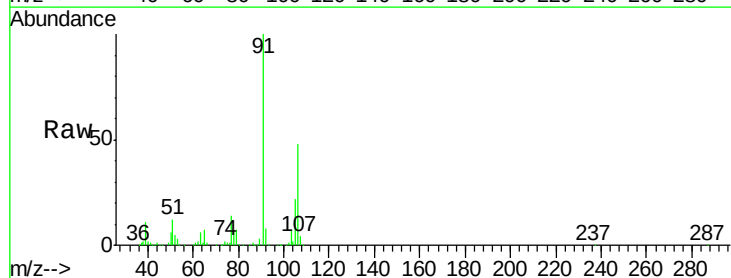
Instrument :
MSVOA_F
ClientSampleId :
VF0121SBS01

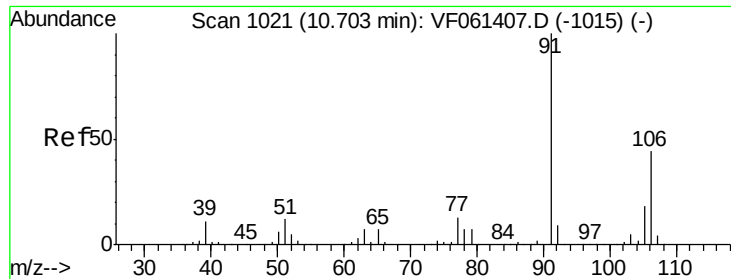
Tot Ion: 91 Resp: 242593
Ion Ratio Lower Upper
91 100
106 29.0 23.1 34.7



#68
m/p-Xylenes
Concen: 48.061 ug/l
RT: 10.13 min Scan# 963
Delta R.T. 0.01 min
Lab File: VF061471.D
Acq: 21 Jan 2019 14:02

Tgt Ion: 106 Resp: 176791
Ion Ratio Lower Upper
106 100
91 207.9 166.2 249.4

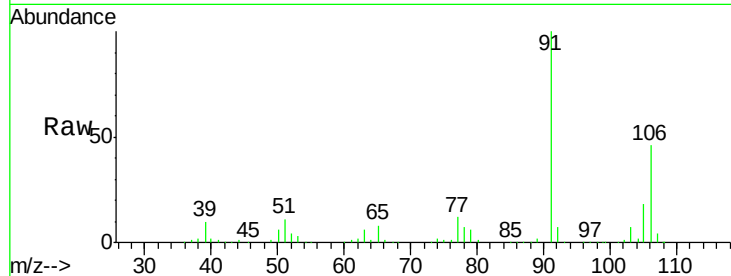




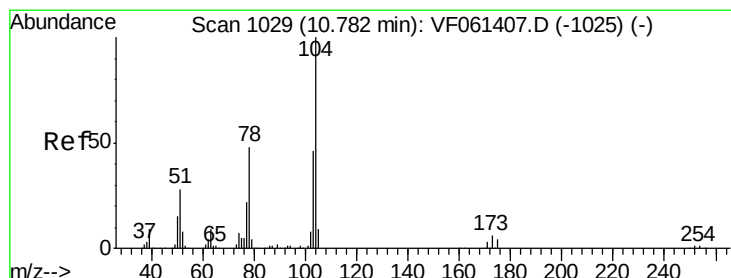
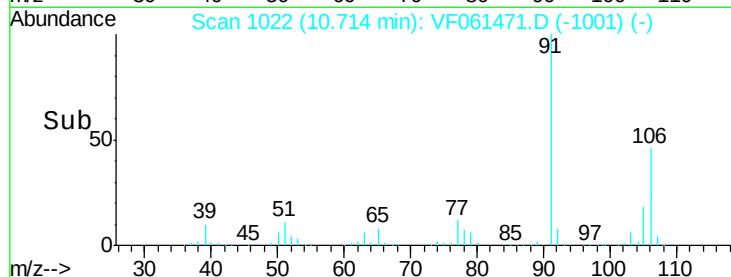
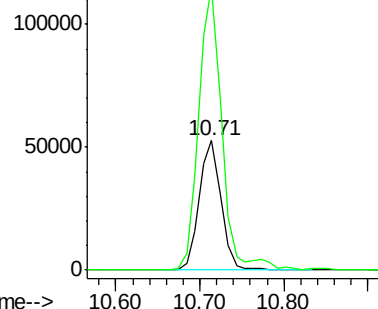
#69
o-Xylene
Concen: 24.065 ug/l
RT: 10.71 min Scan# 1022
Delta R.T. 0.01 min
Lab File: VF061471.D
Acq: 21 Jan 2019 14:02

Instrument :
MSVOA_F
ClientSampleId :
VF0121SBS01

Tot Ion:106 Resp: 95942
Ion Ratio Lower Upper
106 100
91 218.4 113.3 339.8

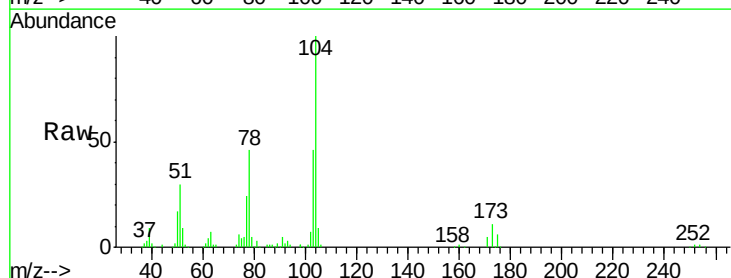


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VF0

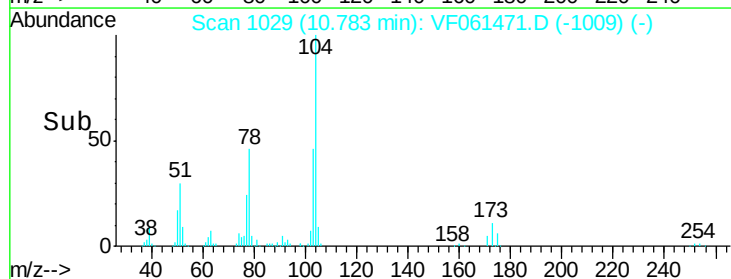
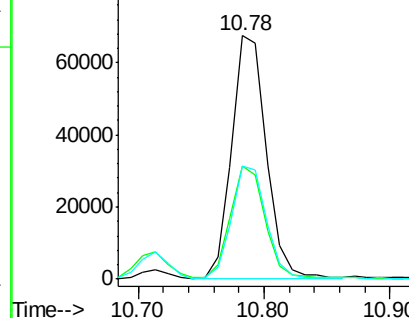


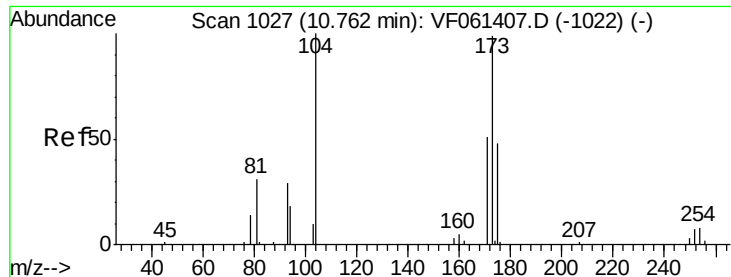
#70
Styrene
Concen: 23.430 ug/l
RT: 10.78 min Scan# 1029
Delta R.T. 0.00 min
Lab File: VF061471.D
Acq: 21 Jan 2019 14:02

Tgt Ion:104 Resp: 127866
Ion Ratio Lower Upper
104 100
78 46.5 38.8 58.2
103 46.3 37.0 55.6



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





#71

Bromoform

Concen: 22.337 ug/l

RT: 10.77 min Scan# 1028

Delta R.T. 0.01 min

Lab File: VF061471.D

Acq: 21 Jan 2019 14:02

Instrument :

MSVOA_F

ClientSampleId :

VF0121SBS01

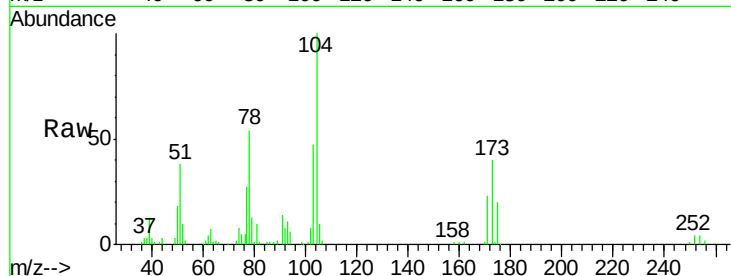
Tot Ion:173 Resp: 22380

Ion Ratio Lower Upper

173 100

175 49.6 24.1 72.4

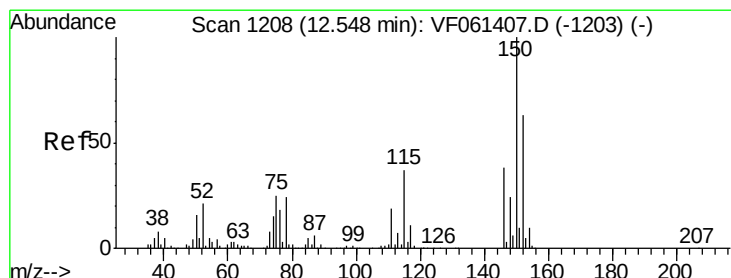
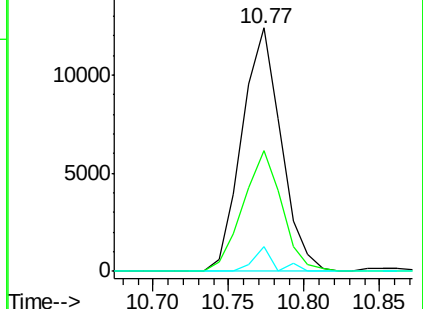
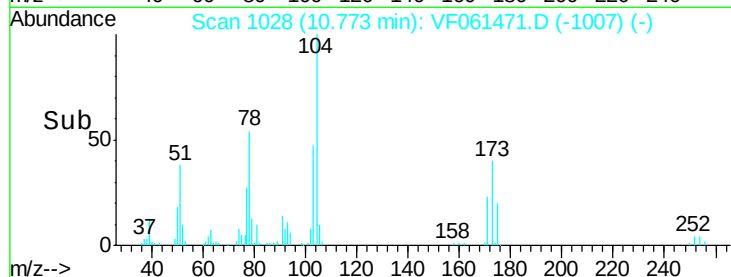
254 10.0 0.0 0.0#



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.55 min Scan# 1208

Delta R.T. 0.00 min

Lab File: VF061471.D

Acq: 21 Jan 2019 14:02

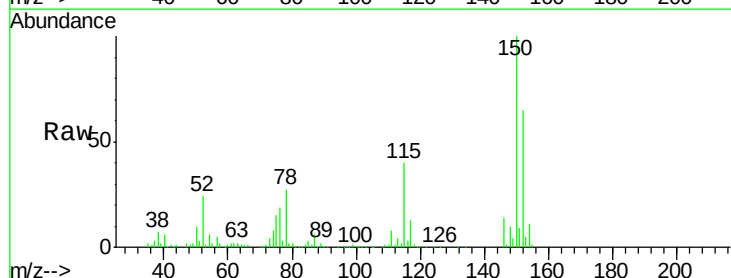
Tgt Ion:152 Resp: 142969

Ion Ratio Lower Upper

152 100

115 61.7 30.0 90.0

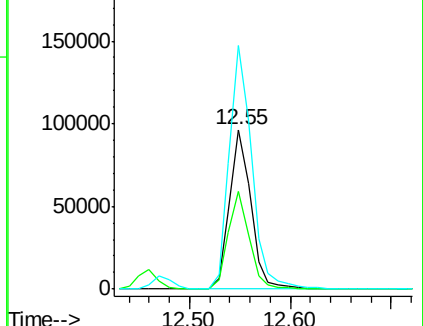
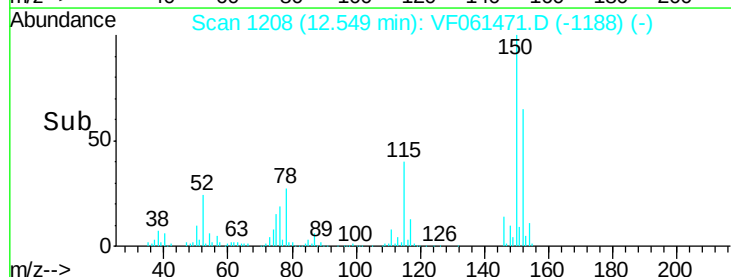
150 152.9 0.0 321.4

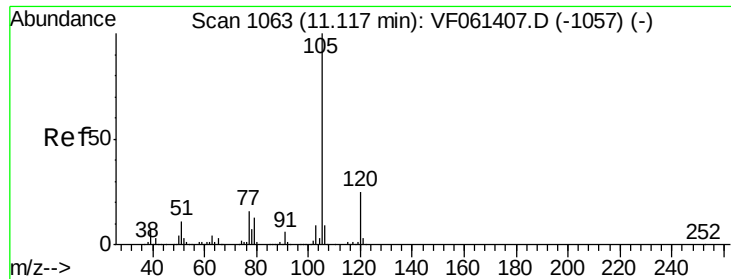


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 24.682 ug/l

RT: 11.13 min Scan# 1064

Delta R.T. 0.01 min

Lab File: VF061471.D

Acq: 21 Jan 2019 14:02

Instrument :

MSVOA_F

ClientSampleId :

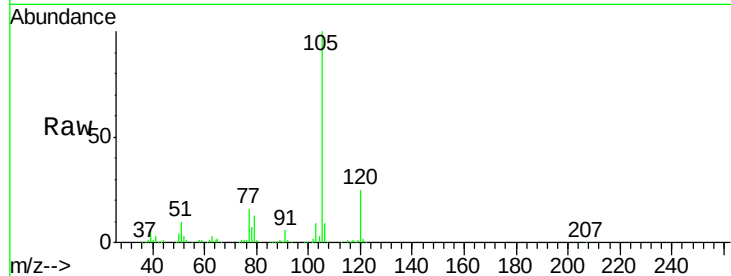
VF0121SBS01

Tot Ion:105 Resp: 287003

Ion Ratio Lower Upper

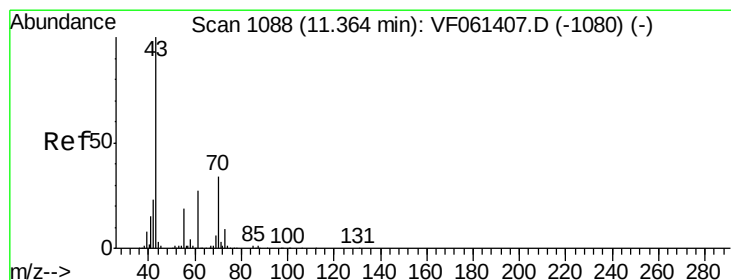
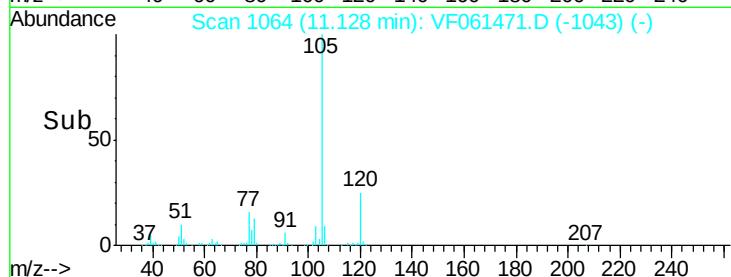
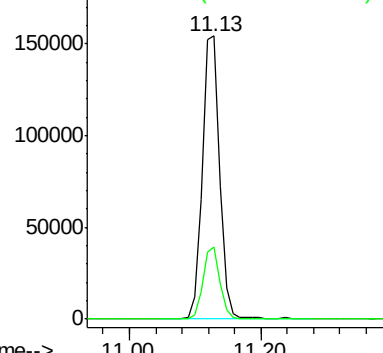
105 100

120 25.5 12.6 37.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 25.230 ug/l

RT: 11.37 min Scan# 1089

Delta R.T. 0.01 min

Lab File: VF061471.D

Acq: 21 Jan 2019 14:02

Tgt Ion: 43 Resp: 69372

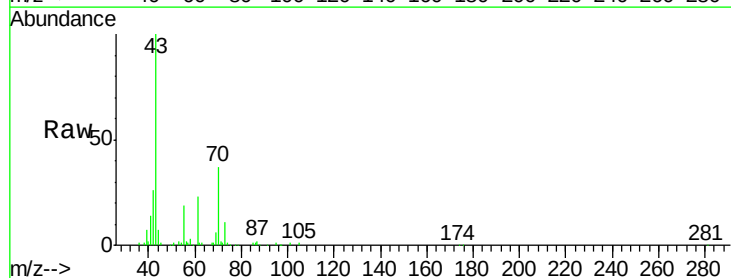
Ion Ratio Lower Upper

43 100

70 36.9 27.6 41.4

55 19.2 15.4 23.2

61 22.6 21.8 32.6

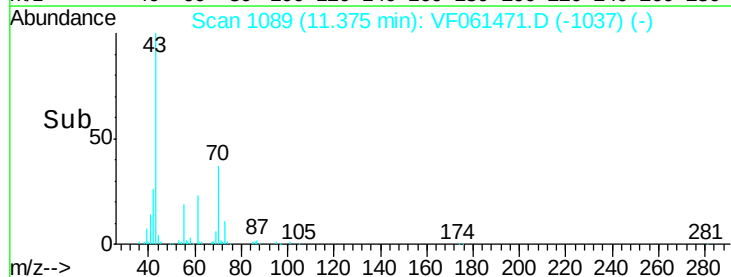
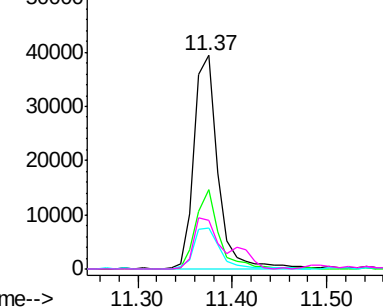


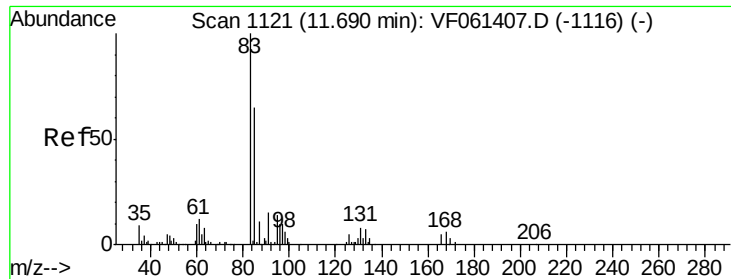
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 23.583 ug/l

RT: 11.69 min Scan# 1121

Delta R.T. 0.00 min

Lab File: VF061471.D

Acq: 21 Jan 2019 14:02

Instrument :

MSVOA_F

ClientSampleId :

VF0121SBSD01

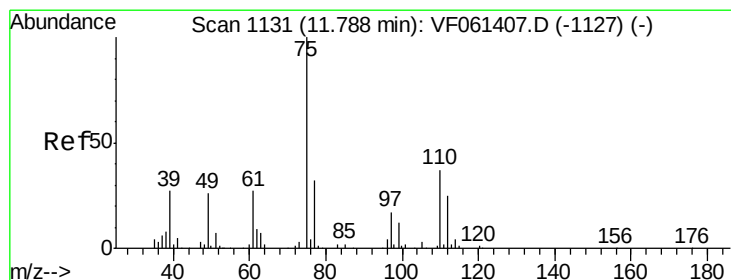
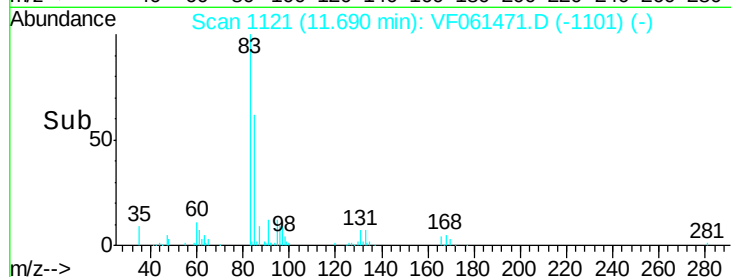
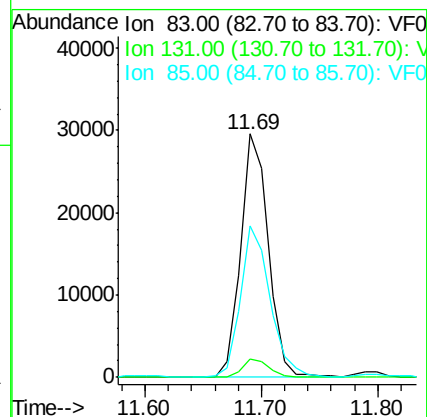
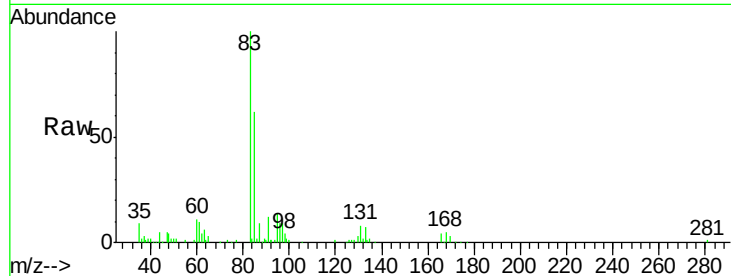
Tot Ion: 83 Resp: 48852

Ion Ratio Lower Upper

83 100

131 7.7 4.0 12.2

85 62.4 32.7 98.1



#76

1,2,3-Trichloropropane

Concen: 22.238 ug/l

RT: 11.80 min Scan# 1132

Delta R.T. 0.01 min

Lab File: VF061471.D

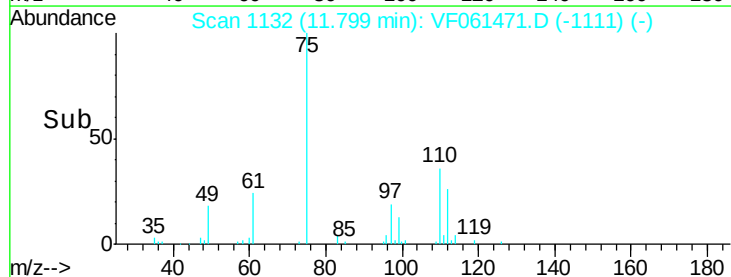
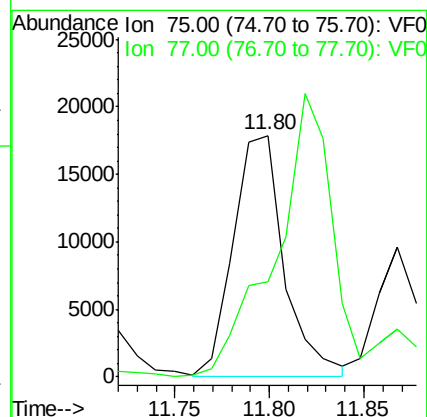
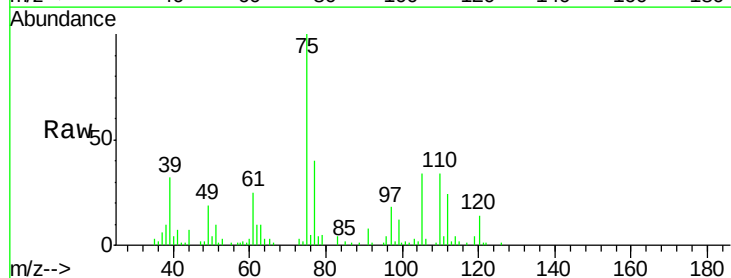
Acq: 21 Jan 2019 14:02

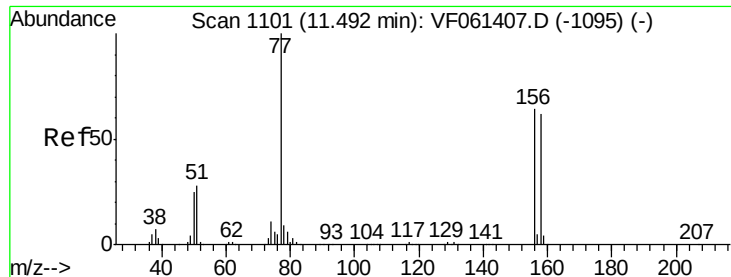
Tgt Ion: 75 Resp: 33101

Ion Ratio Lower Upper

75 100

77 39.7 16.1 48.3





#77

Bromobenzene

Concen: 23.656 ug/l

RT: 11.49 min Scan# 1101

Delta R.T. 0.00 min

Lab File: VF061471.D

Acq: 21 Jan 2019 14:02

Instrument :

MSVOA_F

ClientSampleId :

VF0121SBS01

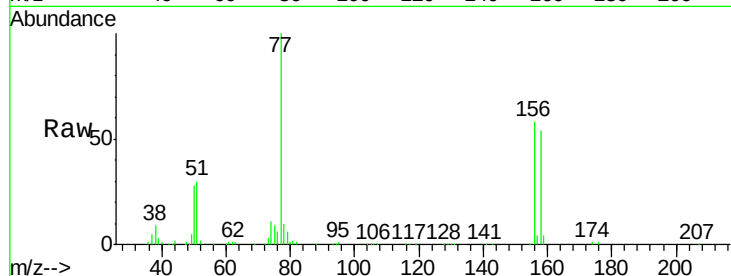
Tot Ion:156 Resp: 58092

Ion Ratio Lower Upper

156 100

77 171.3 78.3 234.9

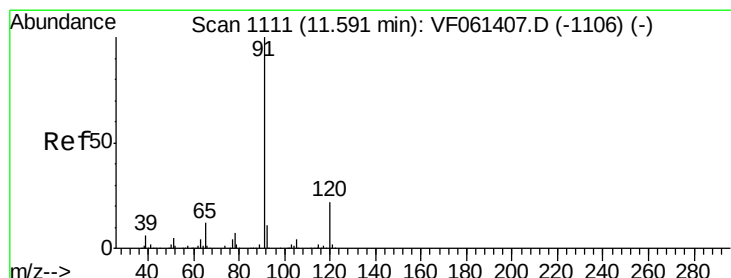
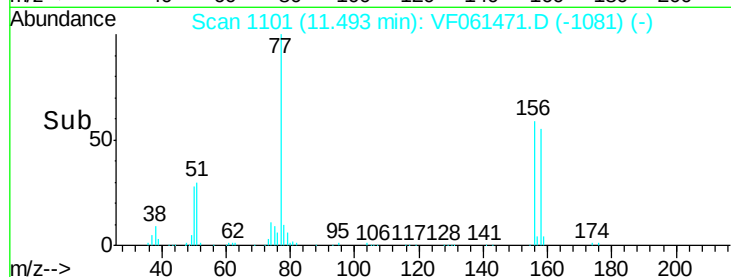
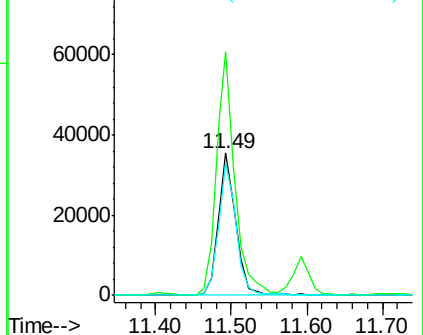
158 93.1 48.9 146.7



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: 22.198 ug/l

RT: 11.59 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VF061471.D

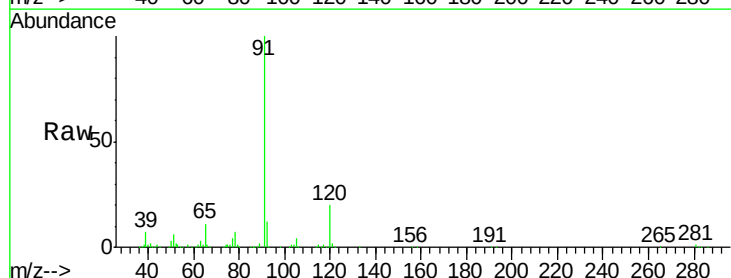
Acq: 21 Jan 2019 14:02

Tgt Ion: 91 Resp: 334955

Ion Ratio Lower Upper

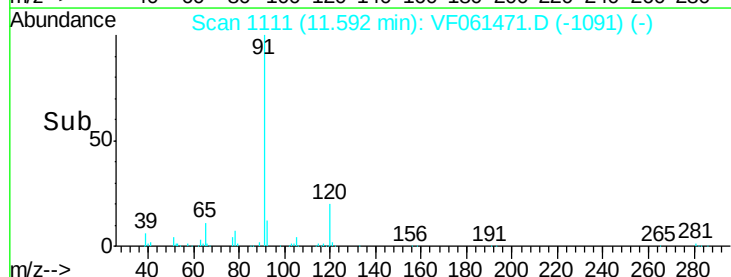
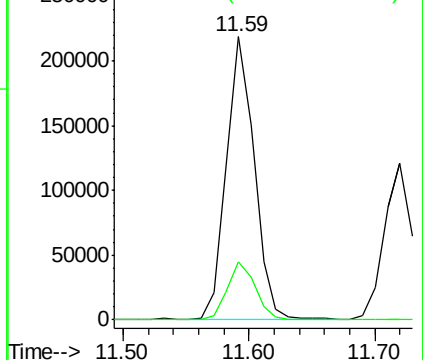
91 100

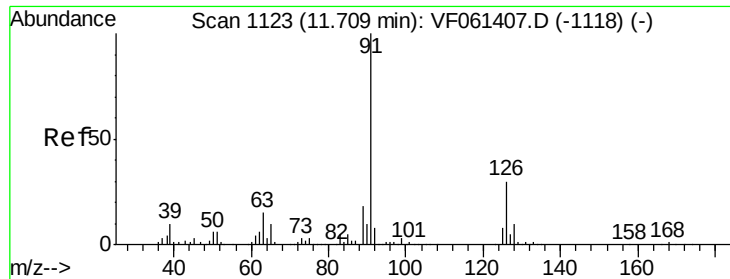
120 20.3 10.9 32.6



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

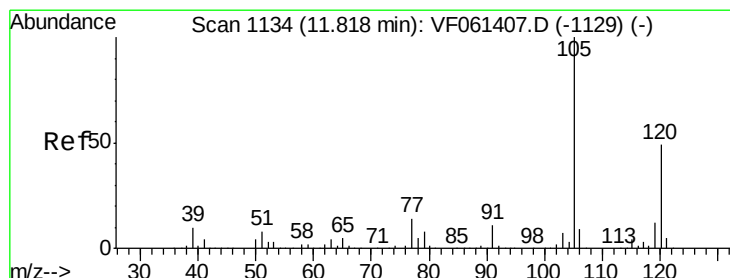
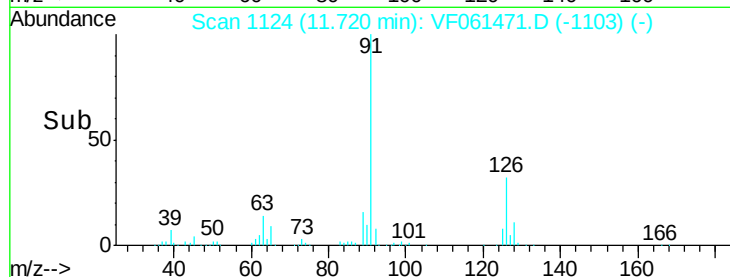
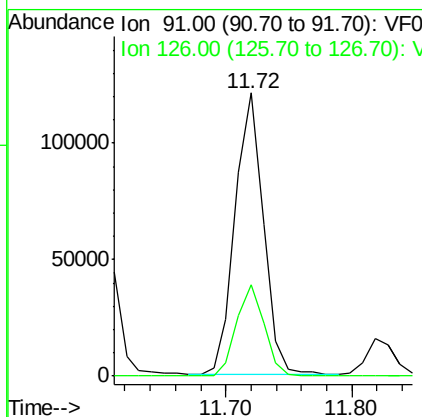
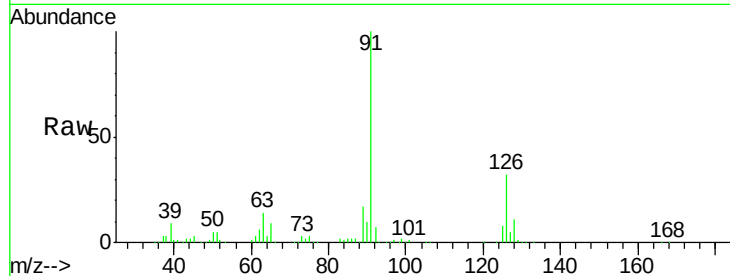




#79
2-Chlorotoluene
Concen: 23.229 ug/l
RT: 11.72 min Scan# 1124
Delta R.T. 0.01 min
Lab File: VF061471.D
Acq: 21 Jan 2019 14:02

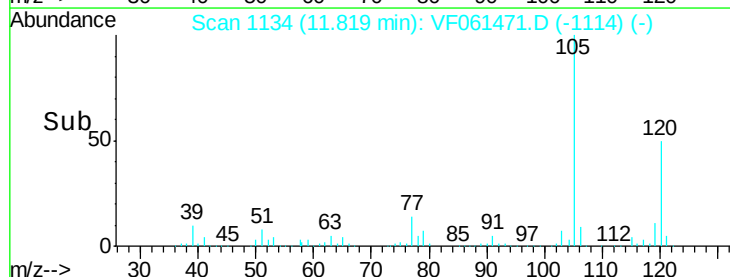
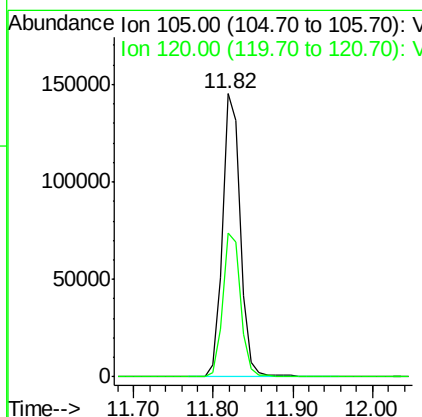
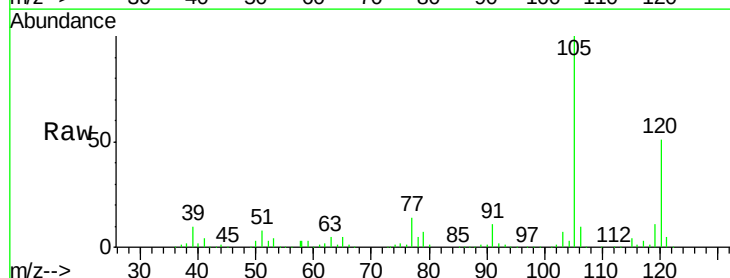
Instrument :
MSVOA_F
ClientSampleId :
VF0121SBS01

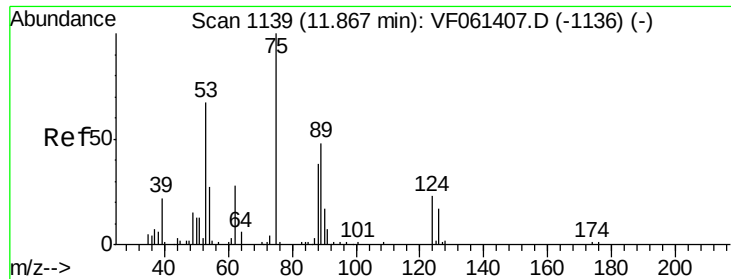
Tot Ion: 91 Resp: 187409
Ion Ratio Lower Upper
91 100
126 32.2 15.0 45.1



#80
1,3,5-Trimethylbenzene
Concen: 24.638 ug/l
RT: 11.82 min Scan# 1134
Delta R.T. 0.00 min
Lab File: VF061471.D
Acq: 21 Jan 2019 14:02

Tgt Ion:105 Resp: 231197
Ion Ratio Lower Upper
105 100
120 50.8 24.7 74.1





#81

trans-1,4-Dichloro-2-butene

Concen: 32.559 ug/l

RT: 11.87 min Scan# 1139

Delta R.T. 0.00 min

Lab File: VF061471.D

Acq: 21 Jan 2019 14:02

Instrument :

MSVOA_F

ClientSampleId :

VF0121SBS01

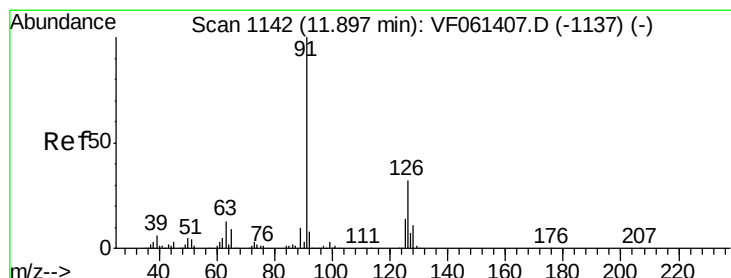
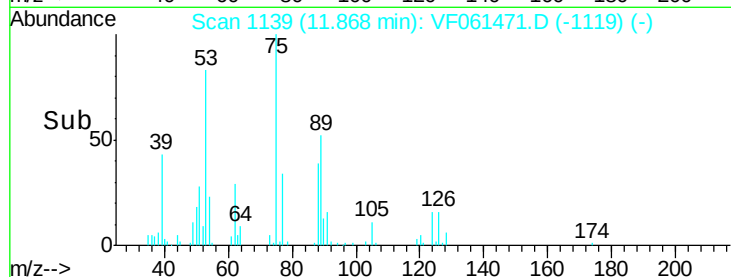
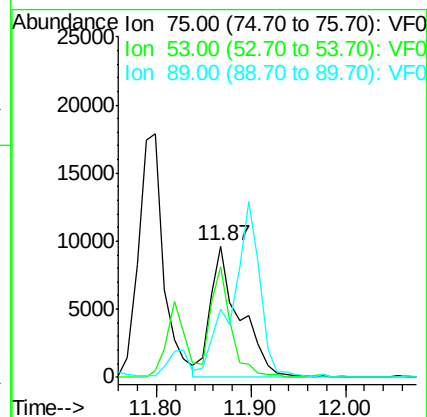
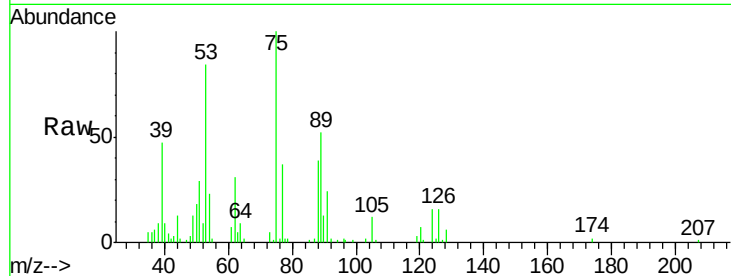
Tot Ion: 75 Resp: 21067

Ion Ratio Lower Upper

75 100

53 83.8 57.8 86.6

89 52.3 40.7 61.1



#82

4-Chlorotoluene

Concen: 22.750 ug/l

RT: 11.90 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VF061471.D

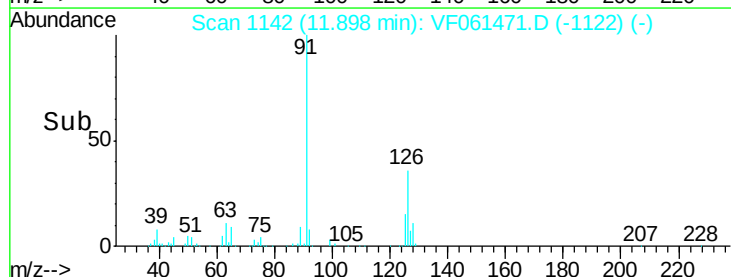
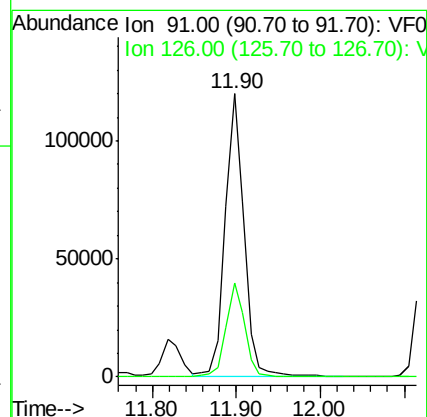
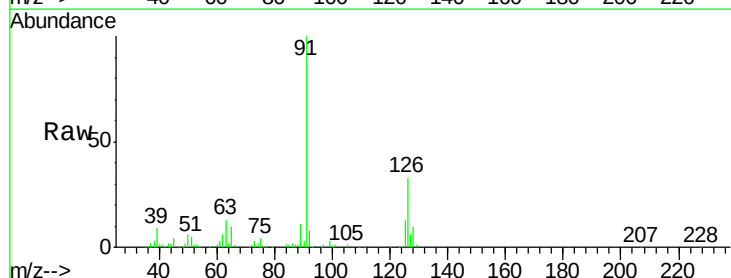
Acq: 21 Jan 2019 14:02

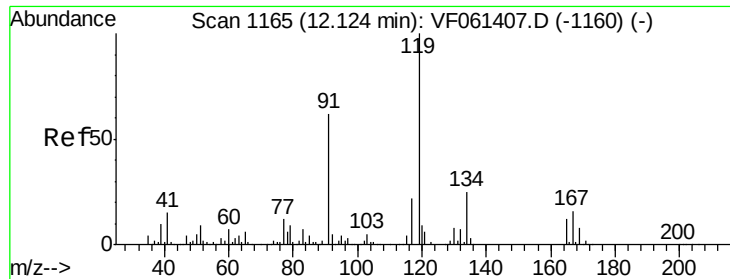
Tgt Ion: 91 Resp: 185217

Ion Ratio Lower Upper

91 100

126 33.3 16.0 47.9

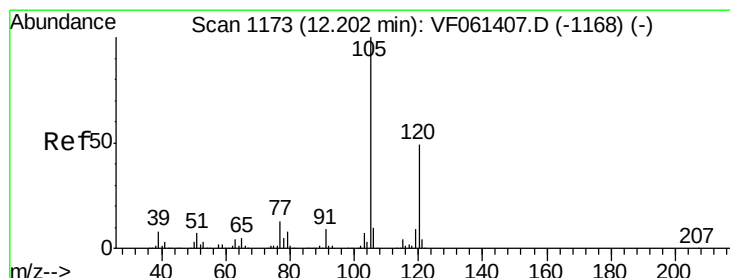
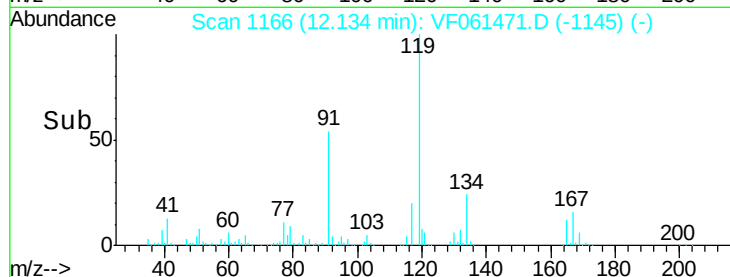
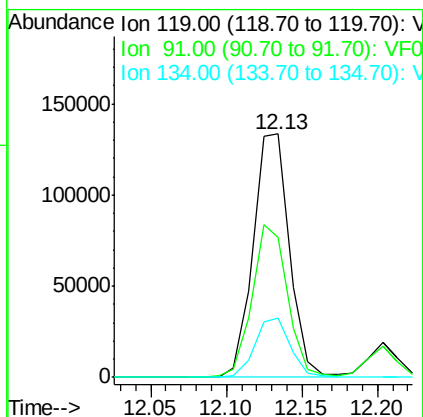
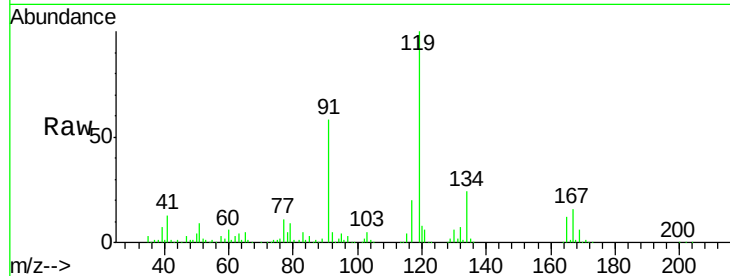




#83
 tert-Butylbenzene
 Concen: 23.157 ug/l
 RT: 12.13 min Scan# 1166
 Delta R.T. 0.01 min
 Lab File: VF061471.D
 Acq: 21 Jan 2019 14:02

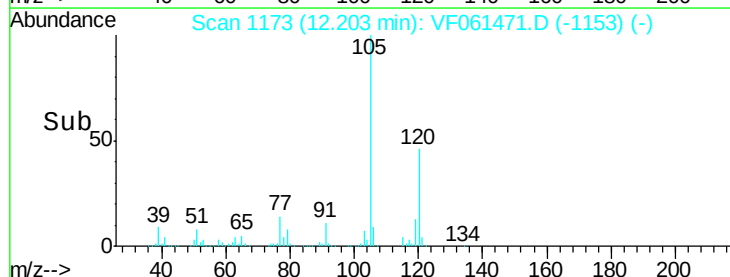
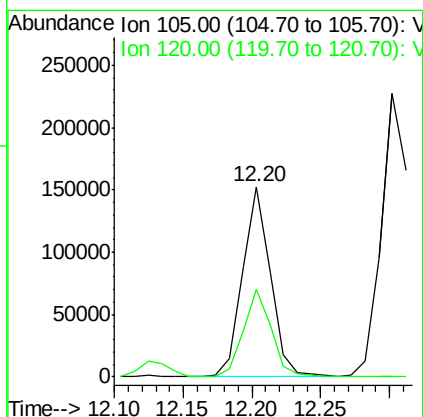
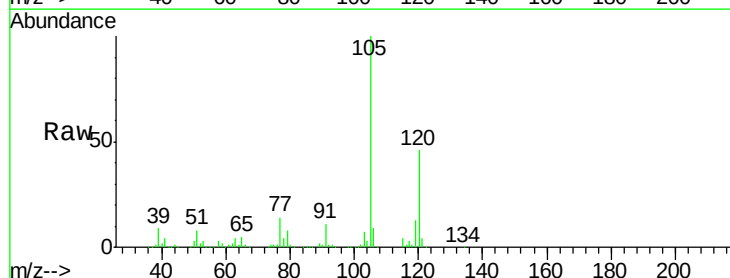
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0121SBS01

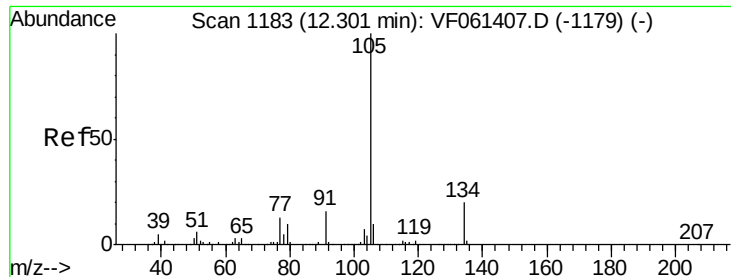
Tot Ion:119 Resp: 224918
 Ion Ratio Lower Upper
 119 100
 91 57.5 31.3 93.8
 134 24.1 12.4 37.0



#84
 1,2,4-Trimethylbenzene
 Concen: 22.480 ug/l
 RT: 12.20 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: VF061471.D
 Acq: 21 Jan 2019 14:02

Tgt Ion:105 Resp: 217287
 Ion Ratio Lower Upper
 105 100
 120 46.2 24.9 74.6





#85

sec-Butylbenzene

Concen: 25.198 ug/l

RT: 12.30 min Scan# 1183

Delta R.T. 0.00 min

Lab File: VF061471.D

Acq: 21 Jan 2019 14:02

Instrument :

MSVOA_F

ClientSampleId :

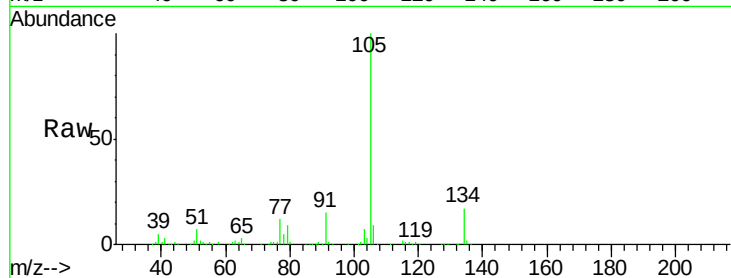
VF0121SBS01

Tot Ion:105 Resp: 332358

Ion Ratio Lower Upper

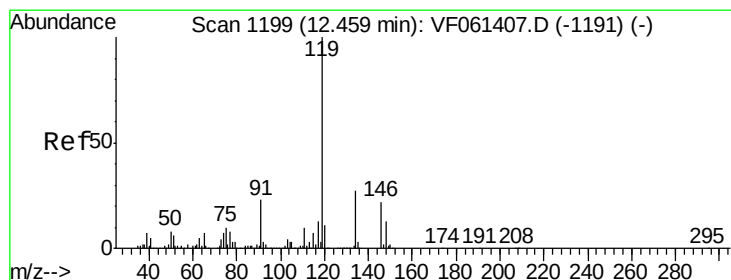
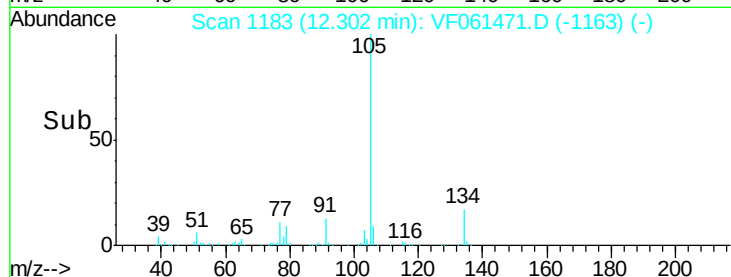
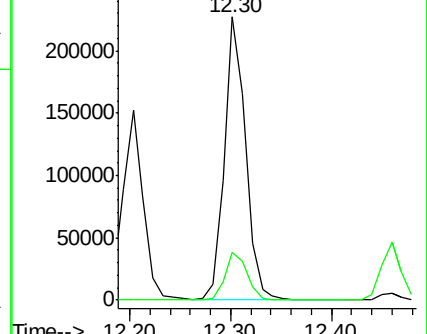
105 100

134 17.0 10.0 30.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 24.368 ug/l

RT: 12.46 min Scan# 1199

Delta R.T. 0.00 min

Lab File: VF061471.D

Acq: 21 Jan 2019 14:02

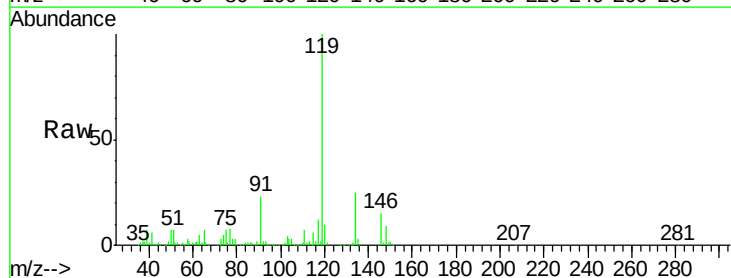
Tgt Ion:119 Resp: 263847

Ion Ratio Lower Upper

119 100

134 24.8 13.4 40.2

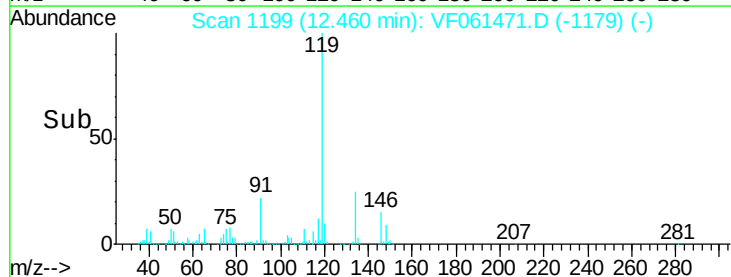
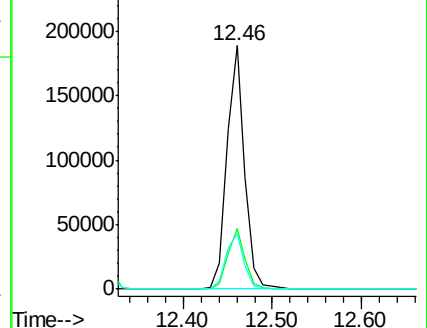
91 22.6 11.4 34.2

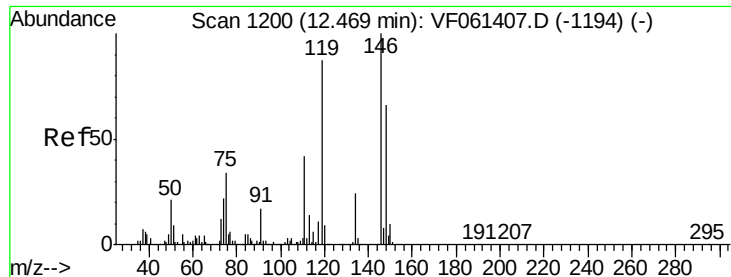


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0





#87

1,3-Dichlorobenzene

Concen: 21.266 ug/l

RT: 12.47 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VF061471.D

Acq: 21 Jan 2019 14:02

Instrument :

MSVOA_F

ClientSampleId :

VF0121SBSD01

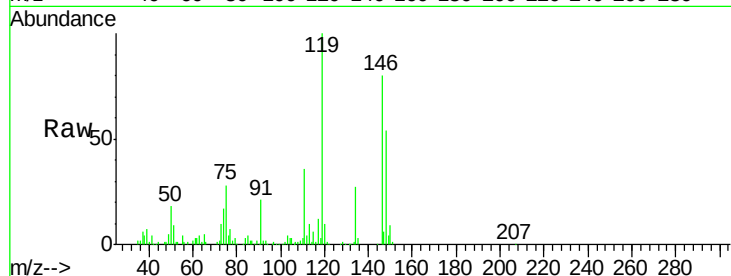
Tot Ion:146 Resp: 109559

Ion Ratio Lower Upper

146 100

111 44.6 21.1 63.4

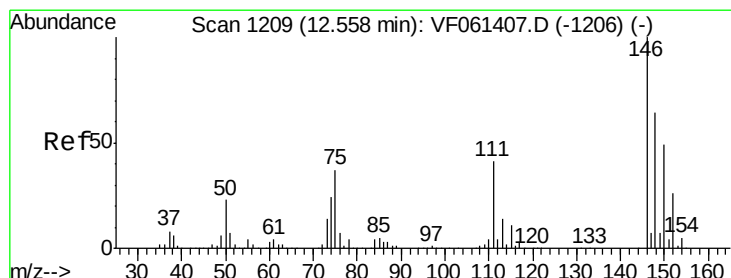
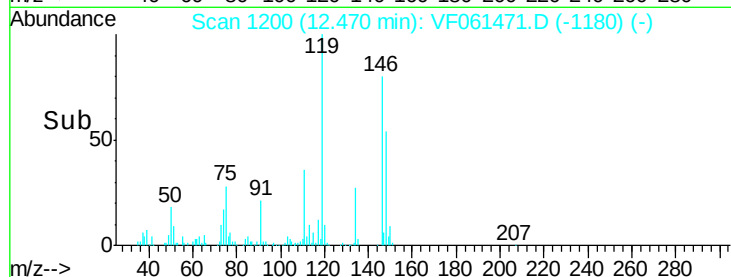
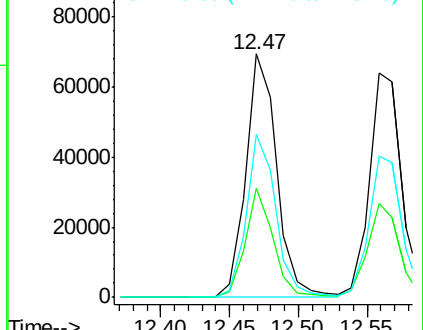
148 66.8 32.9 98.6



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,4-Dichlorobenzene

Concen: 22.741 ug/l

RT: 12.56 min Scan# 1209

Delta R.T. 0.00 min

Lab File: VF061471.D

Acq: 21 Jan 2019 14:02

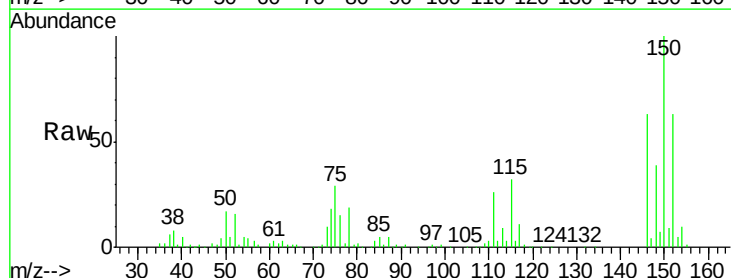
Tgt Ion:146 Resp: 105530

Ion Ratio Lower Upper

146 100

111 42.0 20.8 62.2

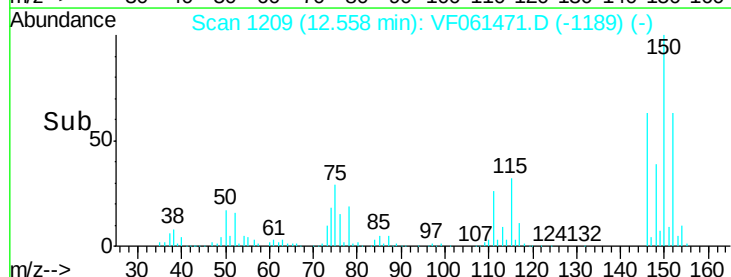
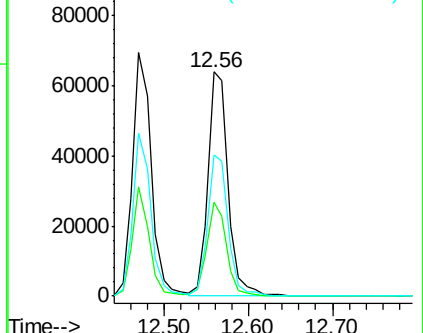
148 63.0 32.1 96.5

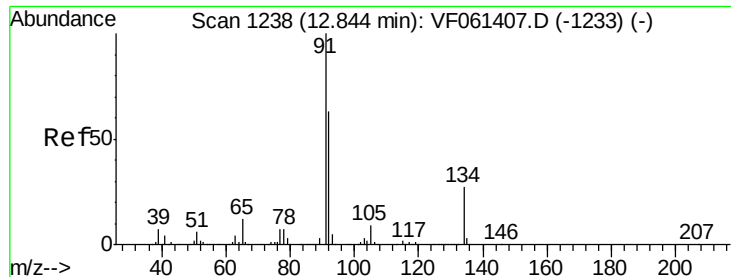


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#89

n-Butylbenzene

Concen: 24.404 ug/l

RT: 12.84 min Scan# 1238

Delta R.T. 0.00 min

Lab File: VF061471.D

Acq: 21 Jan 2019 14:02

Instrument :

MSVOA_F

ClientSampleId :

VF0121SBS01

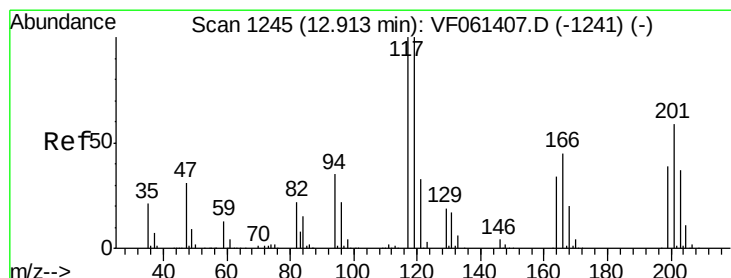
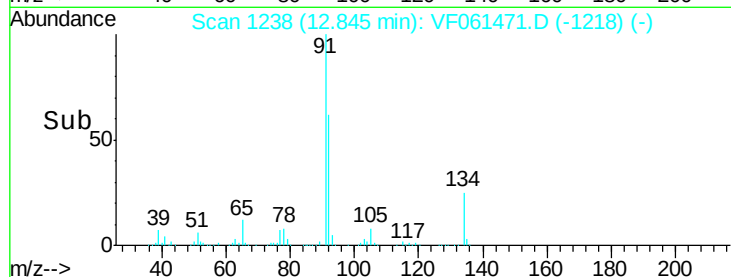
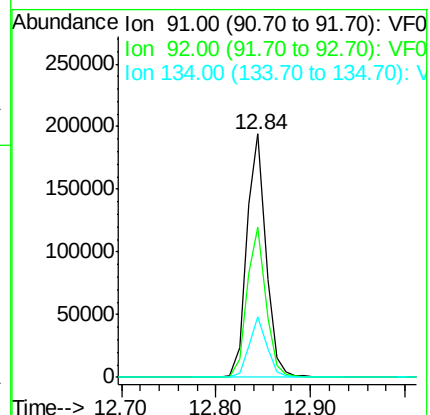
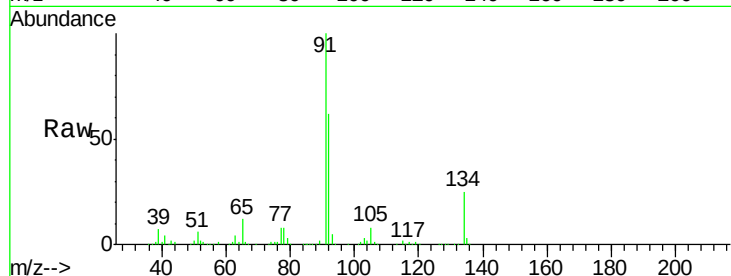
Tot Ion: 91 Resp: 272508

Ion Ratio Lower Upper

91 100

92 61.8 31.6 94.7

134 25.1 13.6 40.8



#90

Hexachloroethane

Concen: 23.769 ug/l

RT: 12.91 min Scan# 1245

Delta R.T. 0.00 min

Lab File: VF061471.D

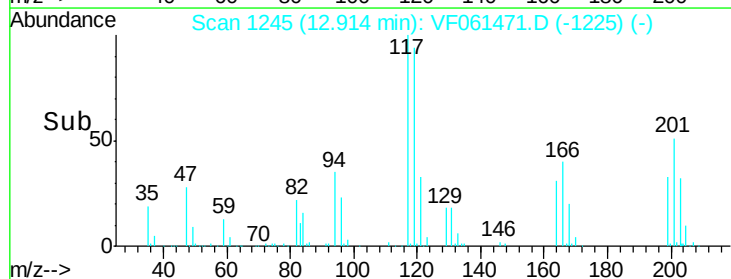
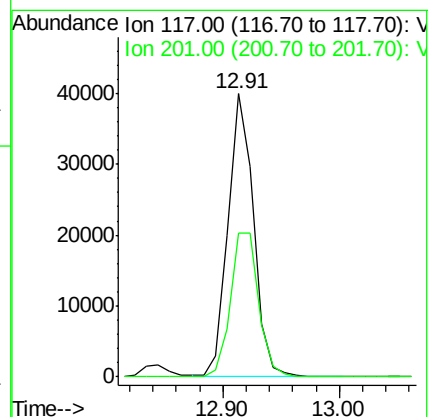
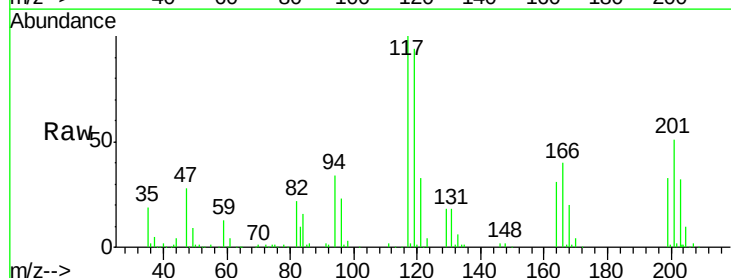
Acq: 21 Jan 2019 14:02

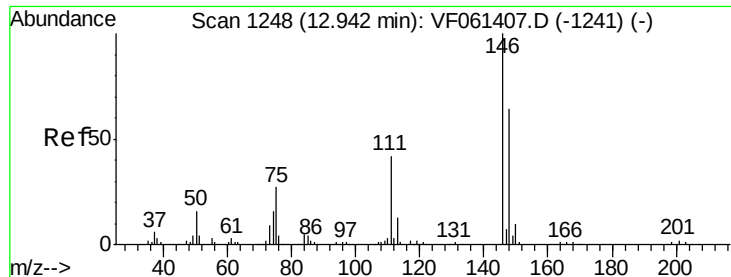
Tgt Ion: 117 Resp: 60667

Ion Ratio Lower Upper

117 100

201 50.6 29.3 87.8

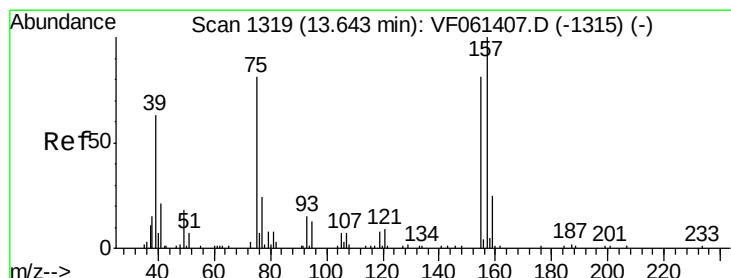
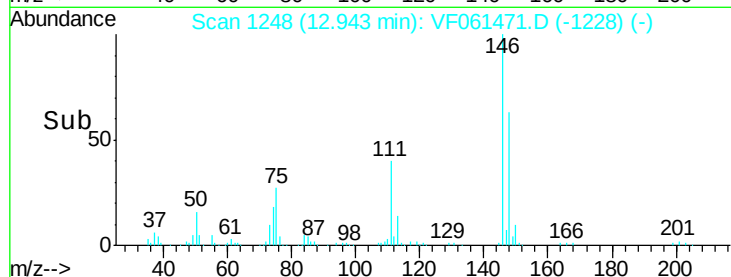
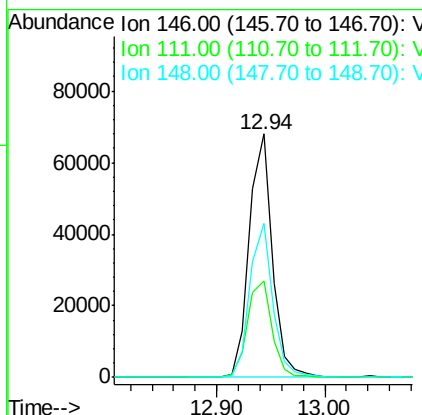
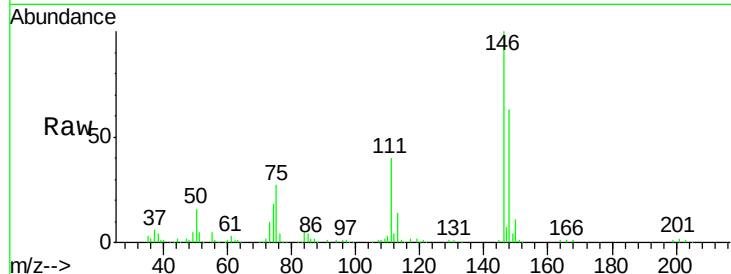




#91
 1,2-Dichlorobenzene
 Concen: 22.058 ug/l
 RT: 12.94 min Scan# 1248
 Delta R.T. 0.00 min
 Lab File: VF061471.D
 Acq: 21 Jan 2019 14:02

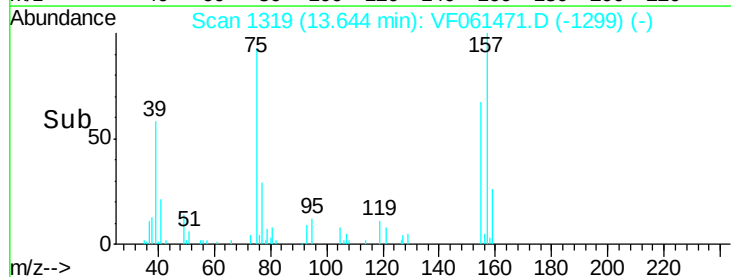
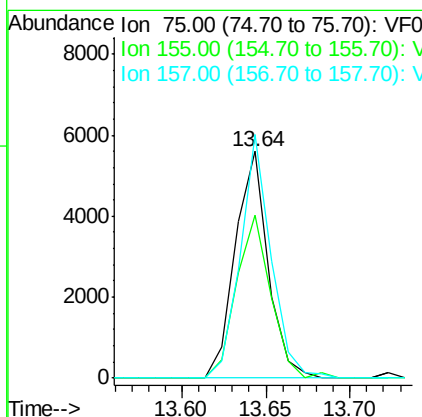
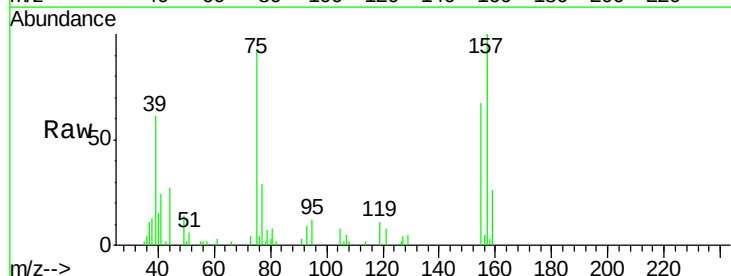
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0121SBS01

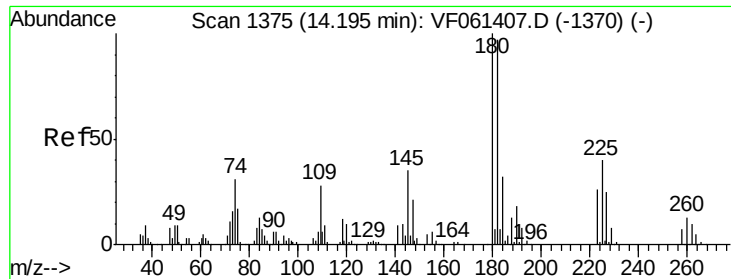
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	21.1	63.3
148	63.0	31.9	95.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.609 ug/l
 RT: 13.64 min Scan# 1319
 Delta R.T. 0.00 min
 Lab File: VF061471.D
 Acq: 21 Jan 2019 14:02

Tgt Ion	Ratio	Lower	Upper
75	100		
155	71.9	49.7	149.1
157	107.4	61.4	184.1

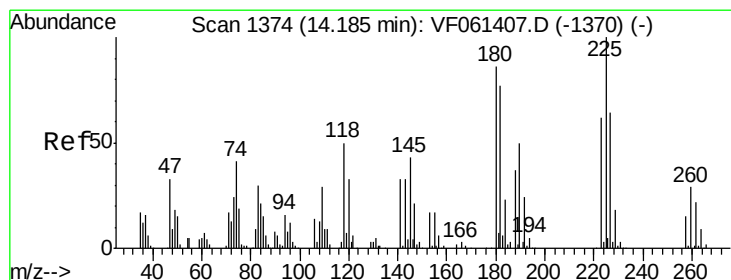
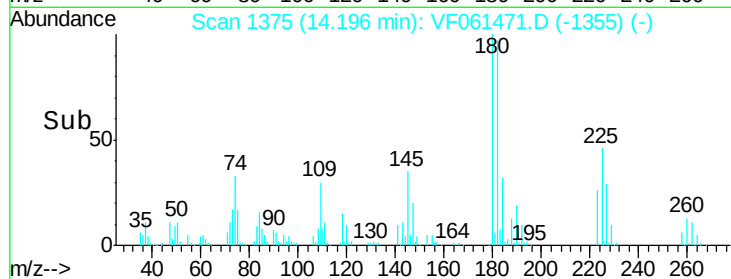
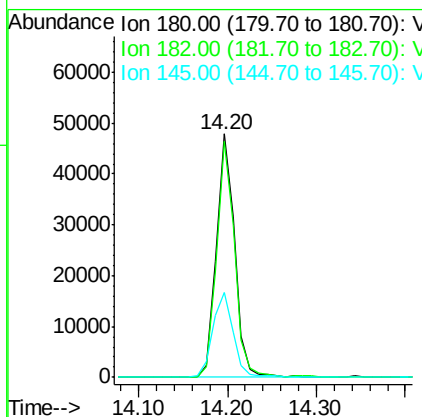
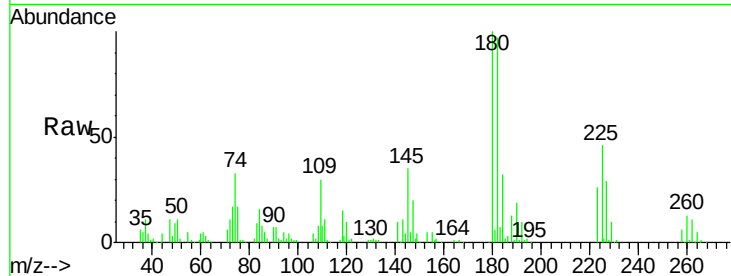




#93
 1,2,4-Trichlorobenzene
 Concen: 21.543 ug/l
 RT: 14.20 min Scan# 1375
 Delta R.T. 0.00 min
 Lab File: VF061471.D
 Acq: 21 Jan 2019 14:02

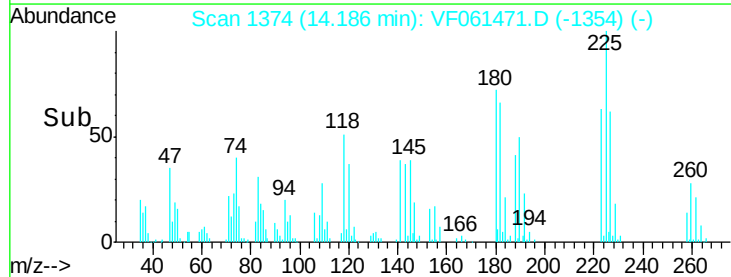
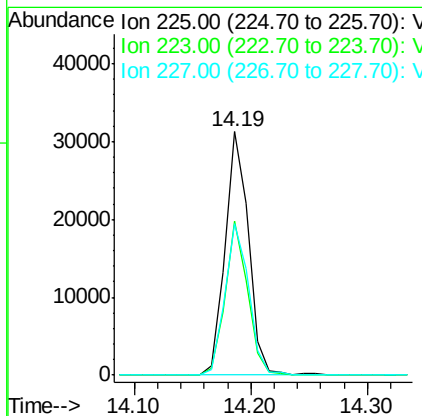
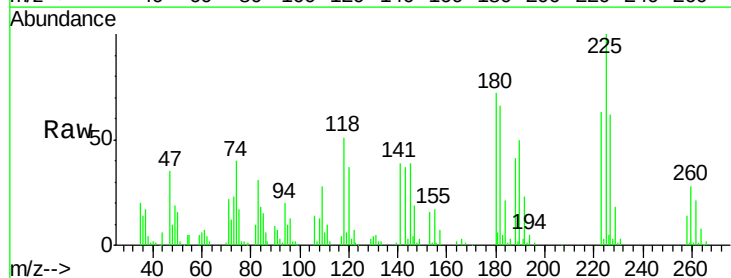
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0121SBS01

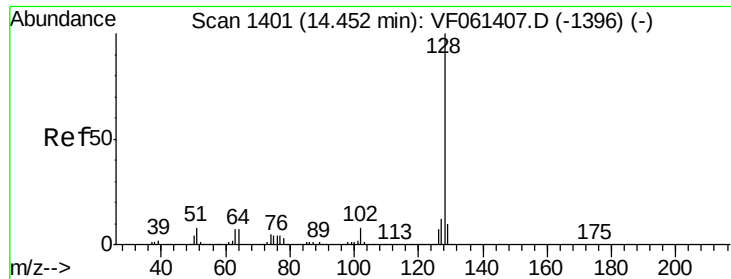
Tot Ion:180 Resp: 69329
 Ion Ratio Lower Upper
 180 100
 182 97.1 48.5 145.6
 145 35.0 17.5 52.6



#94
 Hexachlorobutadiene
 Concen: 21.758 ug/l
 RT: 14.19 min Scan# 1374
 Delta R.T. 0.00 min
 Lab File: VF061471.D
 Acq: 21 Jan 2019 14:02

Tgt Ion:225 Resp: 43449
 Ion Ratio Lower Upper
 225 100
 223 63.3 31.1 93.2
 227 62.2 32.2 96.6





#95

Naphthalene

Concen: 19.335 ug/l

RT: 14.45 min Scan# 1401

Delta R.T. 0.00 min

Lab File: VF061471.D

Acq: 21 Jan 2019 14:02

Instrument :

MSVOA_F

ClientSampleId :

VF0121SBSD01

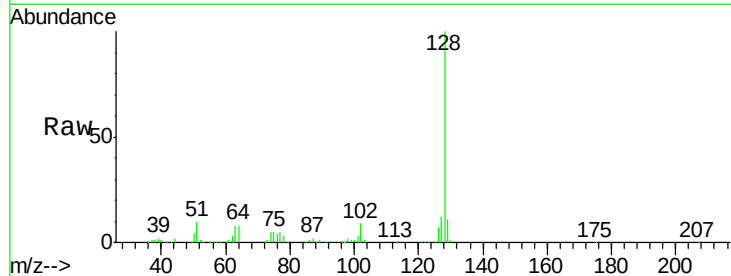
Tot Ion:128 Resp: 118215

Ion Ratio Lower Upper

128 100

127 11.6 9.5 14.3

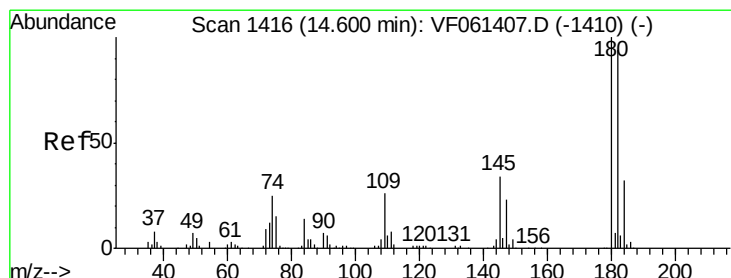
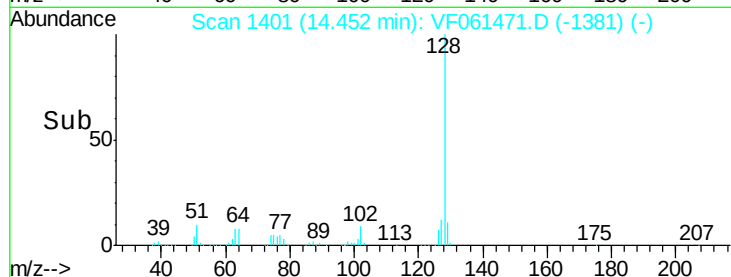
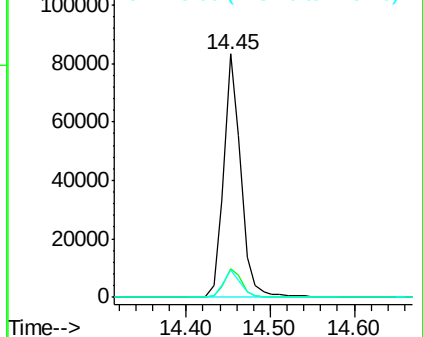
129 11.3 8.4 12.6



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 18.849 ug/l

RT: 14.60 min Scan# 1416

Delta R.T. 0.00 min

Lab File: VF061471.D

Acq: 21 Jan 2019 14:02

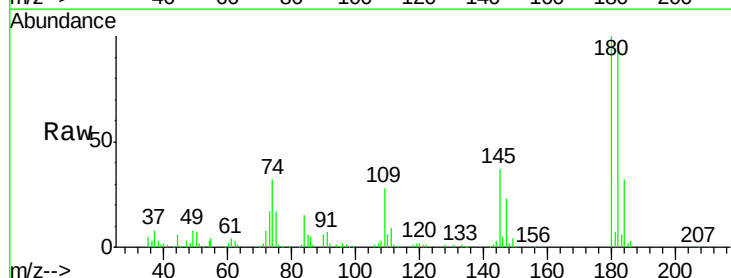
Tgt Ion:180 Resp: 56151

Ion Ratio Lower Upper

180 100

182 97.1 47.0 141.2

145 37.4 17.1 51.2



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

