

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF030119\
 Data File : VF061804.D
 Acq On : 1 Mar 2019 15:55
 Operator : VA/AP
 Sample : VF0301SBSD01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0301SBSD01

Quant Time: Mar 02 02:45:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F021319S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 14 03:27:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.85	168	291604	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	5.58	114	431485	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.76	117	355067	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.54	152	205608	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.83	65	116723	54.58	ug/l	-0.03
Spiked Amount			Recovery	=	109.16%	
35) Dibromofluoromethane	4.10	113	161929	50.54	ug/l	-0.02
Spiked Amount			Recovery	=	101.08%	
50) Toluene-d8	7.54	98	433013	47.01	ug/l	-0.02
Spiked Amount			Recovery	=	94.02%	
62) 4-Bromofluorobenzene	11.40	95	173742	46.62	ug/l	-0.02
Spiked Amount			Recovery	=	93.24%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.96	85	86110	25.714	ug/l	86
3) Chloromethane	1.10	50	81340	23.150	ug/l	90
4) Vinyl Chloride	1.13	62	76306	23.361	ug/l	92
5) Bromomethane	1.32	94	51446	22.885	ug/l	89
6) Chloroethane	1.39	64	36998	22.985	ug/l	97
7) Trichlorofluoromethane	1.48	101	97732	24.808	ug/l	97
8) Diethyl Ether	1.62	74	20967	21.119	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	1.83	101	70218	24.707	ug/l	95
10) Methyl Iodide	1.91	142	96507	17.776	ug/l	98
11) Tert butyl alcohol	2.56	59	13722	110.880	ug/l #	82
12) 1,1-Dichloroethene	1.79	96	61120	24.460	ug/l	91
13) Acrolein	2.00	56	13872	89.187	ug/l	90
14) Allyl chloride	2.09	41	67489	22.010	ug/l	95
15) Acrylonitrile	2.94	53	43338	98.728	ug/l	95
16) Acetone	2.23	43	54364	118.492	ug/l	99
17) Carbon Disulfide	1.82	76	137200	17.468	ug/l	99
18) Methyl Acetate	2.41	43	19414	18.784	ug/l	92
19) Methyl tert-butyl Ether	2.42	73	96404	22.574	ug/l	99
20) Methylene Chloride	2.18	84	22823	7.122	ug/l	98
21) trans-1,2-Dichloroethene	2.30	96	50646	18.645	ug/l	94
22) Diisopropyl ether	2.79	45	171134	23.251	ug/l #	96
23) Vinyl Acetate	3.17	43	384588	106.979	ug/l	96
24) 1,1-Dichloroethane	2.86	63	103322	23.197	ug/l	98
25) 2-Butanone	4.33	43	106480	106.250	ug/l	94
26) 2,2-Dichloropropane	3.58	77	45289	24.004	ug/l	93
27) cis-1,2-Dichloroethene	3.46	96	78849	22.115	ug/l	98
28) Bromochloromethane	3.70	49	44153	20.660	ug/l	98
29) Tetrahydrofuran	4.06	42	40412	88.722	ug/l	95
30) Chloroform	3.84	83	113088	22.325	ug/l	99
31) Cyclohexane	3.69	56	66111	13.711	ug/l	98
32) 1,1,1-Trichloroethane	4.07	97	73589	22.178	ug/l	98
36) 1,1-Dichloropropene	4.27	75	93115	21.784	ug/l	95
37) Ethyl Acetate	4.10	43	37232	18.753	ug/l #	83
38) Carbon Tetrachloride	3.98	117	67561	22.890	ug/l	97

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.44	83	112267	22.208	ug/l	92
40) Benzene	4.62	78	240865	21.544	ug/l	99
41) Methacrylonitrile	4.73	41	19699	19.402	ug/l	94
42) 1,2-Dichloroethane	4.93	62	56550	21.145	ug/l	96
43) Isopropyl Acetate	6.95	43	46720	19.881	ug/l #	93
44) Trichloroethene	5.49	130	81797	22.624	ug/l	92
45) 1,2-Dichloropropane	6.22	63	59077	21.860	ug/l	95
46) Dibromomethane	6.07	93	35367	21.255	ug/l	85
47) Bromodichloromethane	6.37	83	81364	22.329	ug/l	98
48) Methyl methacrylate	6.70	41	25545	18.063	ug/l #	87
49) 1,4-Dioxane	6.69	88	5340	401.673	ug/l	94
51) 4-Methyl-2-Pentanone	8.24	43	157283	93.667	ug/l	100
52) Toluene	7.61	92	147055	21.687	ug/l	98
53) t-1,3-Dichloropropene	8.26	75	65377	21.558	ug/l	94
54) cis-1,3-Dichloropropene	7.28	75	90012	22.283	ug/l	92
55) 1,1,2-Trichloroethane	8.48	97	39451	19.802	ug/l	97
56) Ethyl methacrylate	8.61	69	44008	19.841	ug/l	94
57) 1,3-Dichloropropane	8.83	76	70256	21.128	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.28	63	34010	88.869	ug/l	92
59) 2-Hexanone	9.47	43	122171	103.794	ug/l	97
60) Dibromochloromethane	8.70	129	58345	21.041	ug/l	94
61) 1,2-Dibromoethane	8.97	107	44274	20.489	ug/l	100
64) Tetrachloroethene	8.13	164	67210	23.158	ug/l	95
65) Chlorobenzene	9.78	112	159005	22.068	ug/l	95
66) 1,1,1,2-Tetrachloroethane	9.92	131	63984	22.663	ug/l	99
67) Ethyl Benzene	9.89	91	272505	22.743	ug/l	100
68) m/p-Xylenes	10.11	106	213264	46.506	ug/l	94
69) o-Xylene	10.70	106	113453	23.186	ug/l	93
70) Styrene	10.78	104	155202	22.421	ug/l	98
71) Bromoform	10.76	173	31940	20.833	ug/l	98
73) Isopropylbenzene	11.11	105	334627	22.859	ug/l	98
74) N-amyl acetate	11.36	43	69962	19.911	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.68	83	50841	19.386	ug/l	95
76) 1,2,3-Trichloropropane	11.78	75	35404	19.856	ug/l	91
77) Bromobenzene	11.49	156	72736	20.112	ug/l	98
78) n-propylbenzene	11.58	91	369585	22.001	ug/l	100
79) 2-Chlorotoluene	11.70	91	209392	22.257	ug/l	92
80) 1,3,5-Trimethylbenzene	11.81	105	268113	22.916	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.86	75	20568	24.061	ug/l	88
82) 4-Chlorotoluene	11.89	91	207372	21.236	ug/l	99
83) tert-Butylbenzene	12.12	119	281531	21.725	ug/l	97
84) 1,2,4-Trimethylbenzene	12.20	105	265509	22.842	ug/l	100
85) sec-Butylbenzene	12.29	105	369184	22.030	ug/l	99
86) p-Isopropyltoluene	12.45	119	324765	23.092	ug/l	98
87) 1,3-Dichlorobenzene	12.46	146	152293	21.601	ug/l	98
88) 1,4-Dichlorobenzene	12.55	146	148150	21.850	ug/l	99
89) n-Butylbenzene	12.84	91	303514	22.854	ug/l	96
90) Hexachloroethane	12.91	117	73851	22.578	ug/l	90
91) 1,2-Dichlorobenzene	12.93	146	141445	21.092	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.63	75	7338	17.648	ug/l	60

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Quant Title : SW846 8260
QLast Update : Thu Feb 14 03:27:56 2019
Response via : Initial Calibration

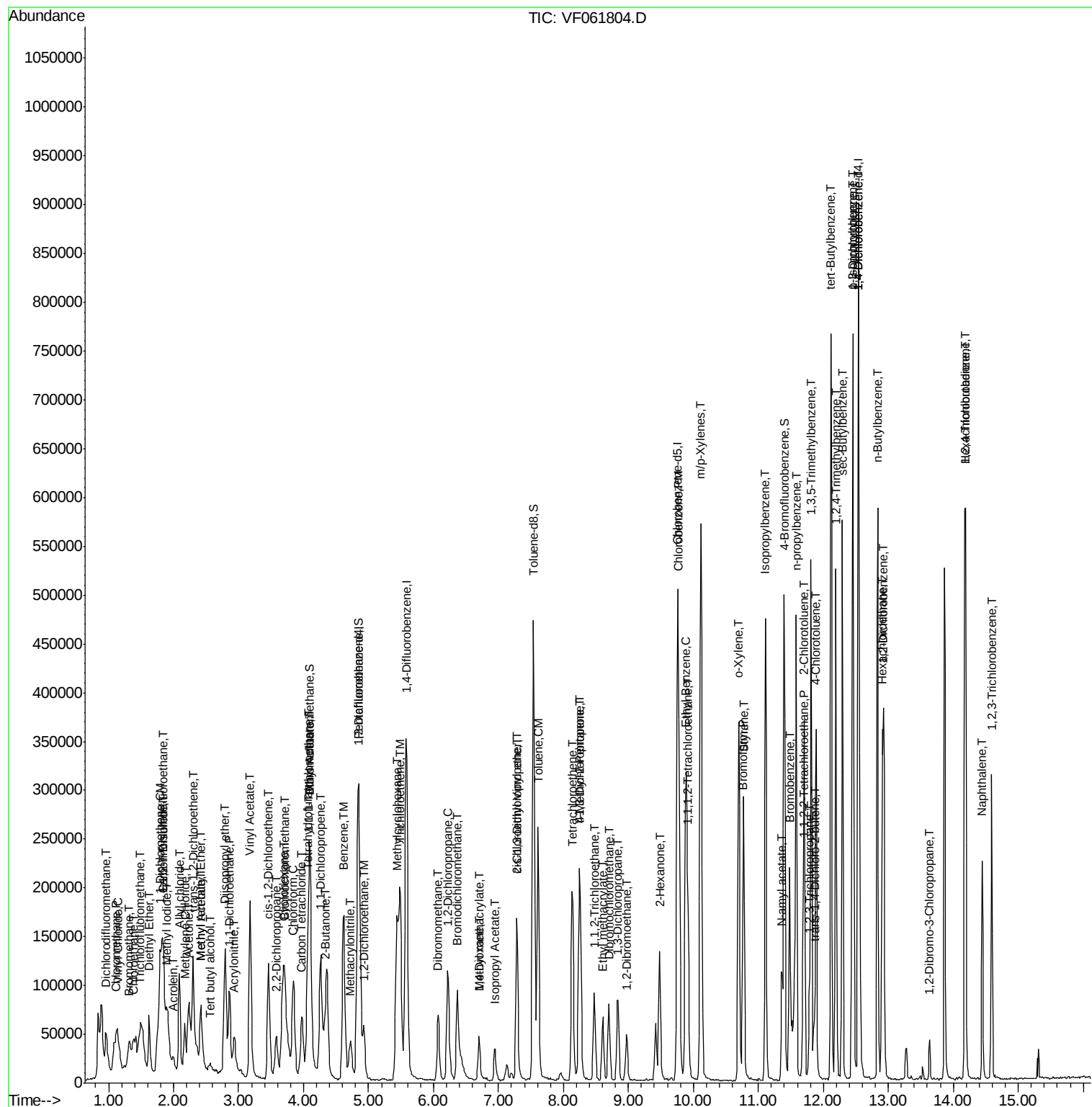
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	105073	21.860	ug/l	96
94) Hexachlorobutadiene	14.18	225	66267	22.323	ug/l	96
95) Naphthalene	14.44	128	169127	20.110	ug/l	97
96) 1,2,3-Trichlorobenzene	14.59	180	93728	21.245	ug/l	95

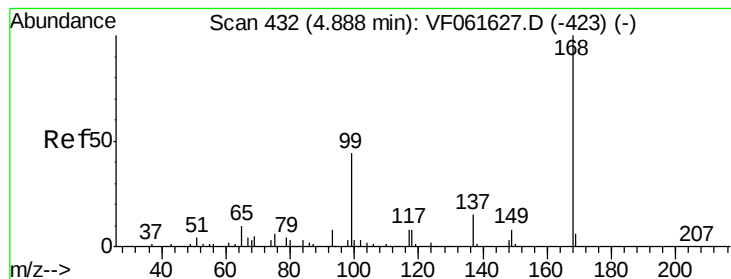
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF030119\
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Sample : VF0301SBSD01
Misc : 5.00µL/5mL/MSVOA-F/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
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Quant Title : SW846 8260
QLast Update : Thu Feb 14 03:27:56 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.85 min Scan# 428

Delta R.T. -0.04 min

Lab File: VF061804.D

Acq: 1 Mar 2019 15:55

Instrument :

MSVOA_F

ClientSampleId :

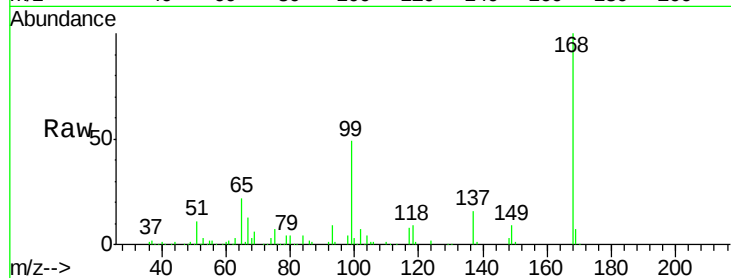
VF0301SBS01

Tot Ion:168 Resp: 291604

Ion Ratio Lower Upper

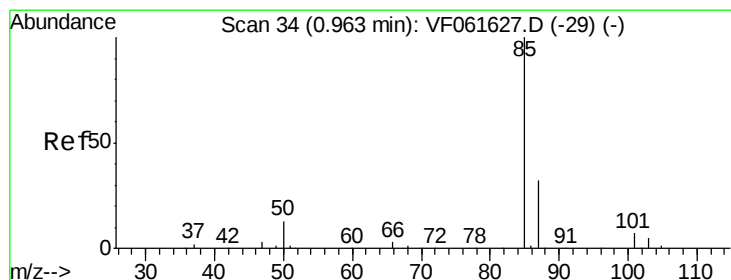
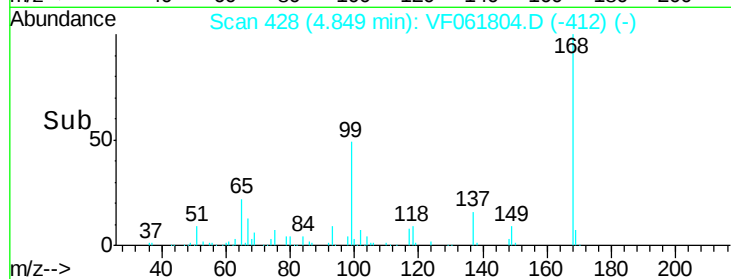
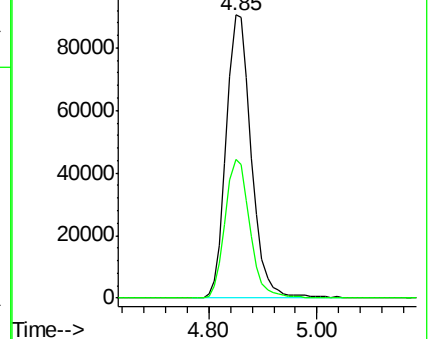
168 100

99 49.0 34.9 52.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 25.714 ug/l

RT: 0.96 min Scan# 34

Delta R.T. 0.00 min

Lab File: VF061804.D

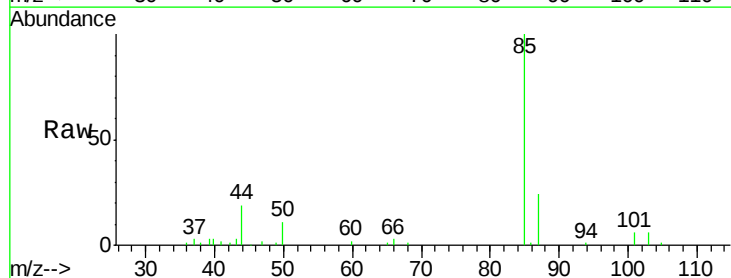
Acq: 1 Mar 2019 15:55

Tgt Ion: 85 Resp: 86110

Ion Ratio Lower Upper

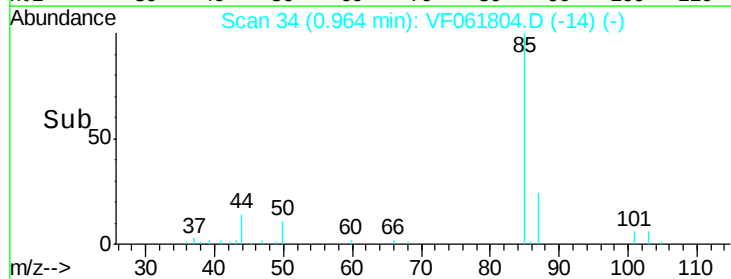
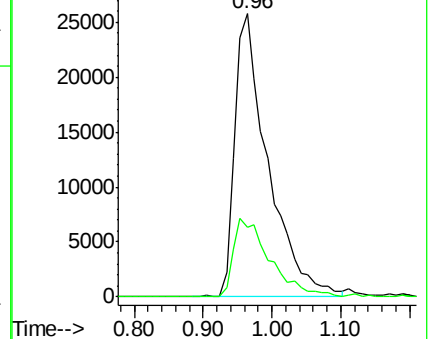
85 100

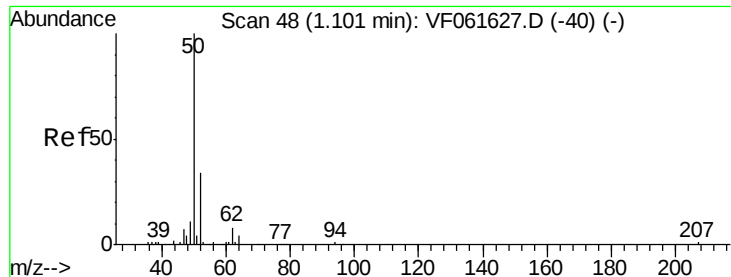
87 24.4 16.1 48.2



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 23.150 ug/l

RT: 1.10 min Scan# 48

Delta R.T. 0.00 min

Lab File: VF061804.D

Acq: 1 Mar 2019 15:55

Instrument :

MSVOA_F

ClientSampleId :

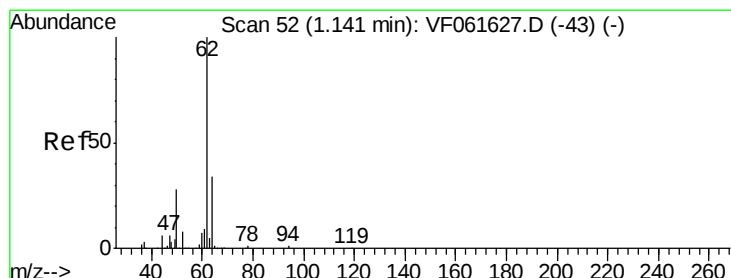
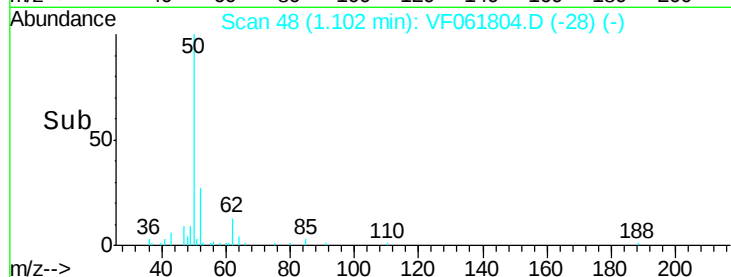
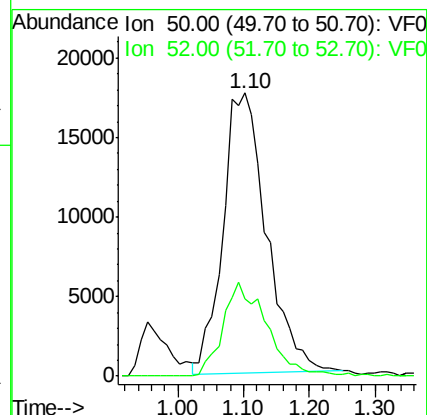
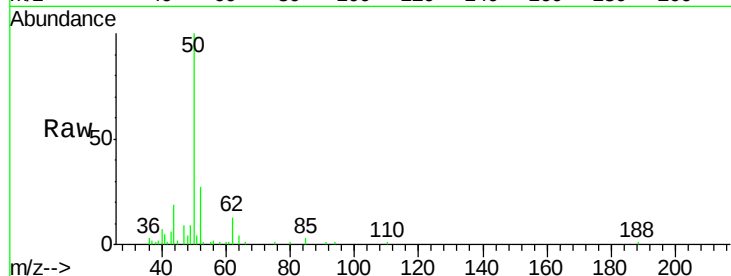
VF0301SBS01

Tot Ion: 50 Resp: 81340

Ion Ratio Lower Upper

50 100

52 27.1 26.2 39.4



#4

Vinyl Chloride

Concen: 23.361 ug/l

RT: 1.13 min Scan# 51

Delta R.T. -0.01 min

Lab File: VF061804.D

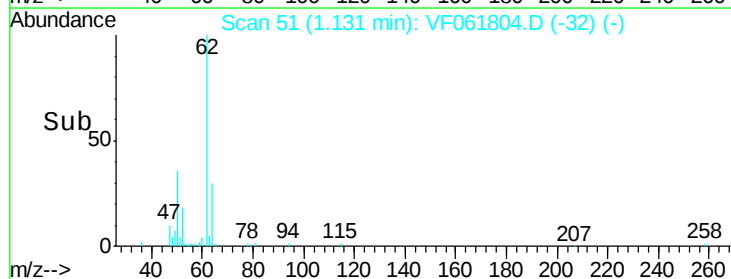
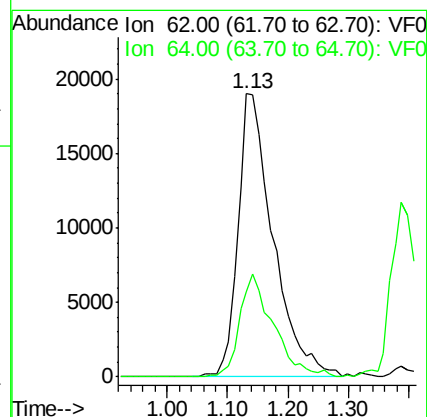
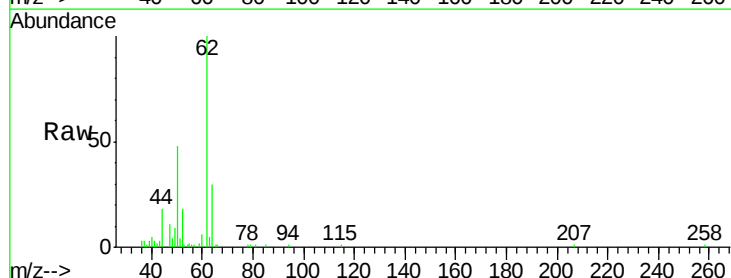
Acq: 1 Mar 2019 15:55

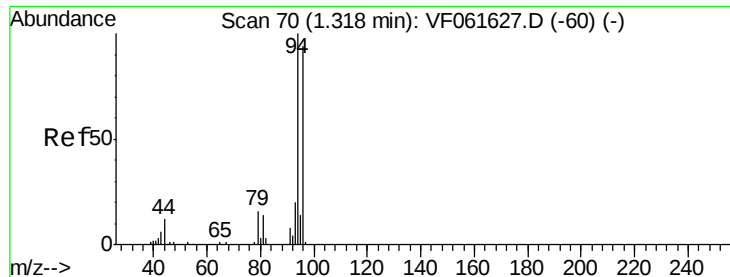
Tgt Ion: 62 Resp: 76306

Ion Ratio Lower Upper

62 100

64 30.0 27.5 41.3





#5

Bromomethane

Concen: 22.885 ug/l

RT: 1.32 min Scan# 70

Delta R.T. 0.00 min

Lab File: VF061804.D

Acq: 1 Mar 2019 15:55

Instrument :

MSVOA_F

ClientSampleId :

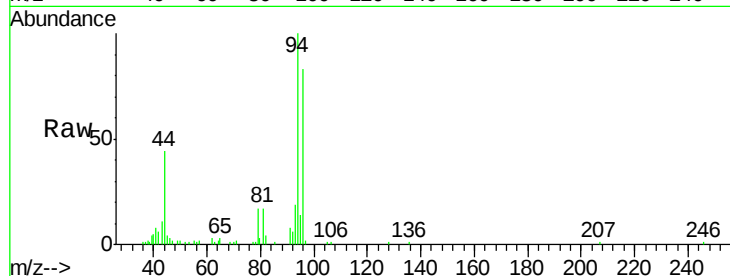
VF0301SBS01

Tot Ion: 94 Resp: 51446

Ion Ratio Lower Upper

94 100

96 82.7 74.6 112.0



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0

12000

10000

8000

6000

4000

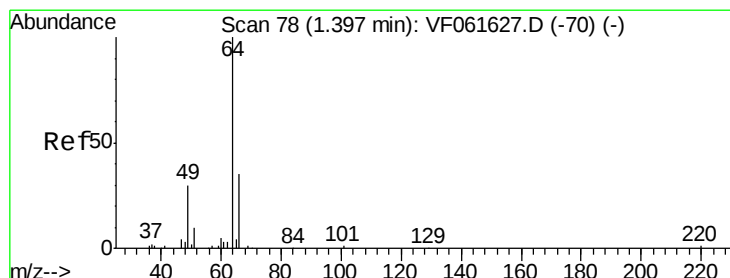
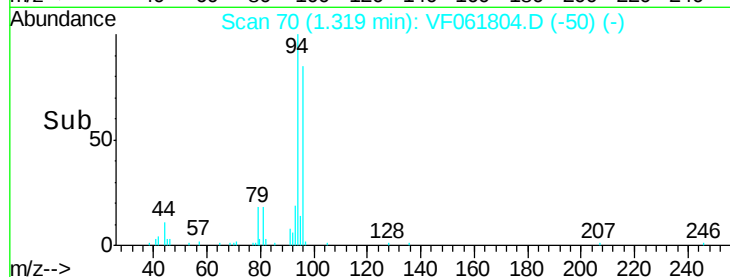
2000

0

1.32

1.20 1.30 1.40 1.50

Time-->



#6

Chloroethane

Concen: 22.985 ug/l

RT: 1.39 min Scan# 77

Delta R.T. -0.01 min

Lab File: VF061804.D

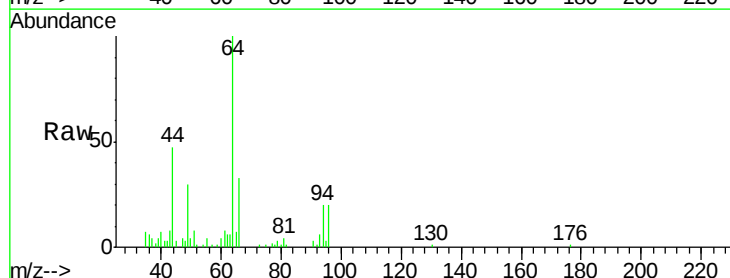
Acq: 1 Mar 2019 15:55

Tgt Ion: 64 Resp: 36998

Ion Ratio Lower Upper

64 100

66 33.4 27.9 41.9



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0

10000

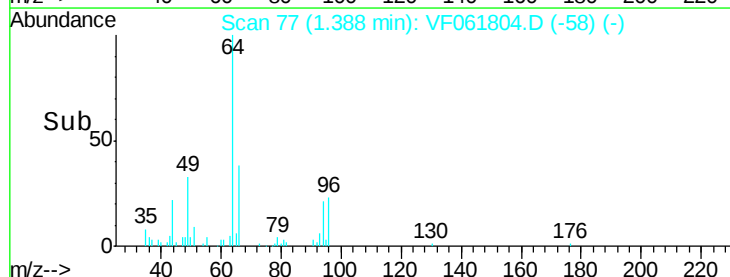
5000

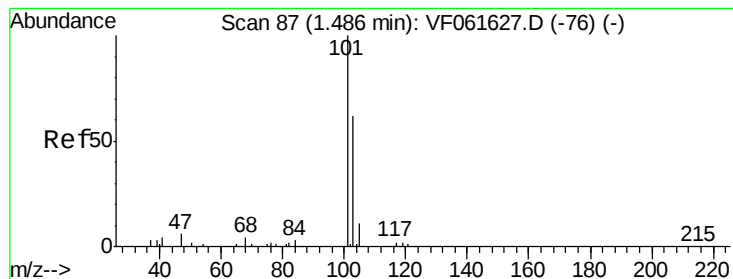
0

1.39

1.30 1.40 1.50

Time-->





#7

Trichlorofluoromethane

Concen: 24.808 ug/l

RT: 1.48 min Scan# 86

Delta R.T. -0.01 min

Lab File: VF061804.D

Acq: 1 Mar 2019 15:55

Instrument :

MSVOA_F

ClientSampleId :

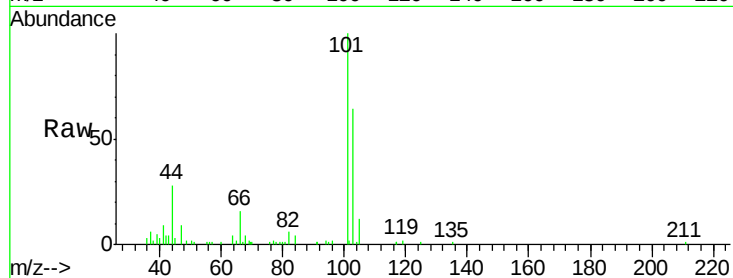
VF0301SBSD01

Tot Ion:101 Resp: 97732

Ion Ratio Lower Upper

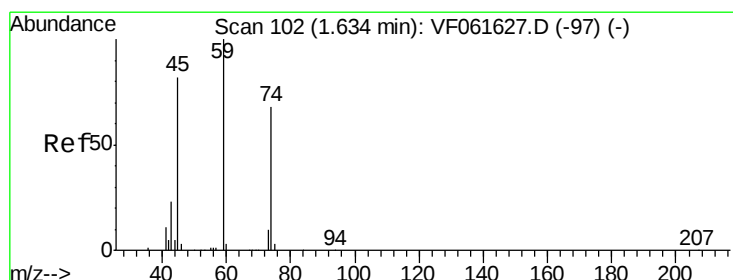
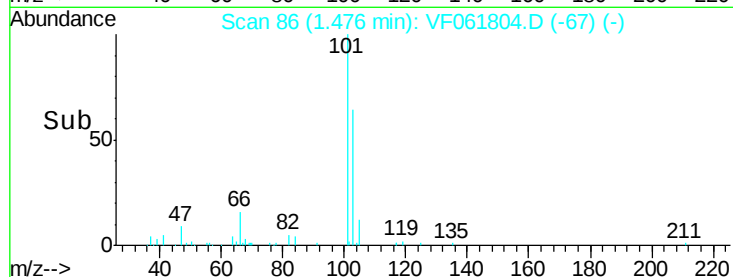
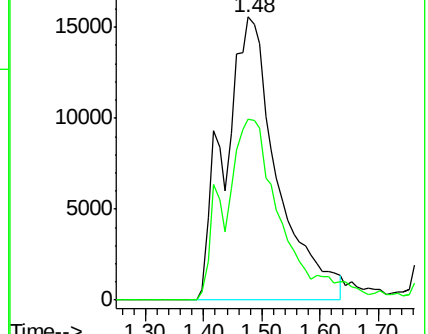
101 100

103 64.1 49.3 73.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 21.119 ug/l

RT: 1.62 min Scan# 101

Delta R.T. -0.01 min

Lab File: VF061804.D

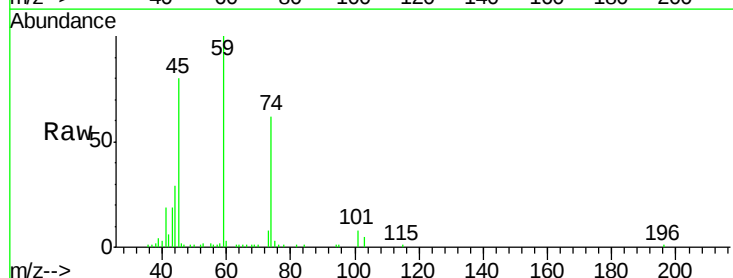
Acq: 1 Mar 2019 15:55

Tgt Ion: 74 Resp: 20967

Ion Ratio Lower Upper

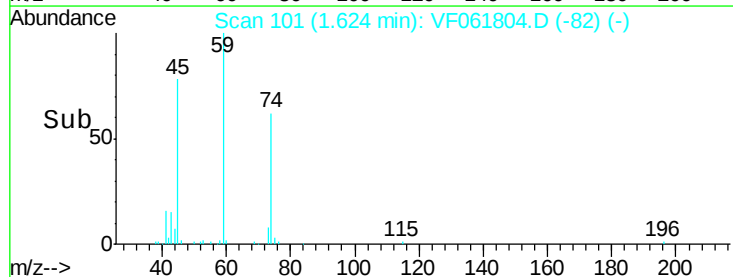
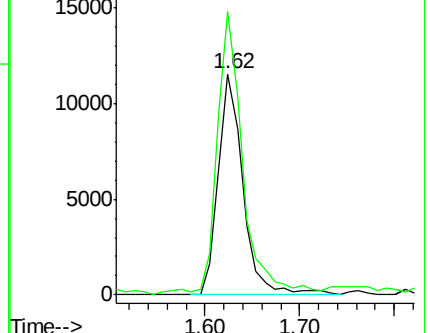
74 100

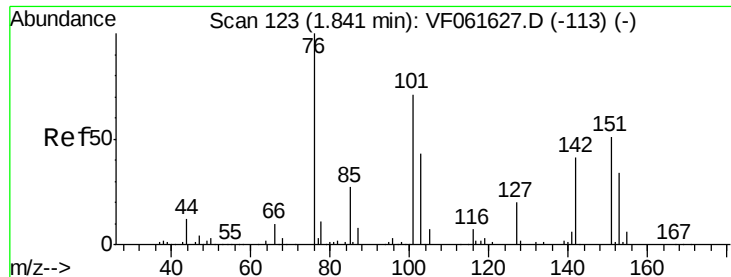
45 128.0 60.8 182.3



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: 24.707 ug/l

RT: 1.83 min Scan# 122

Delta R.T. -0.01 min

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VF0301SBS01

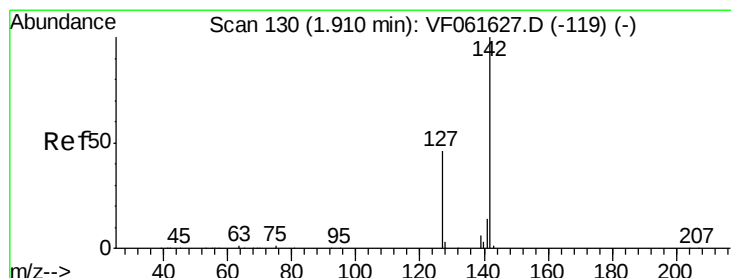
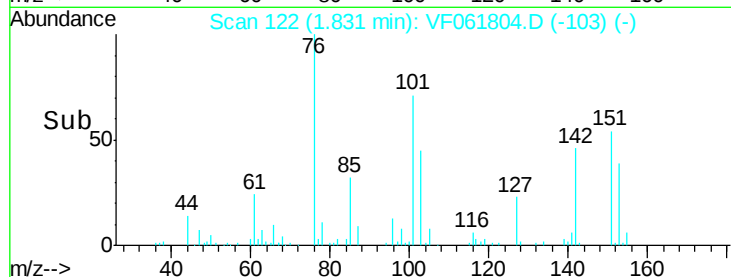
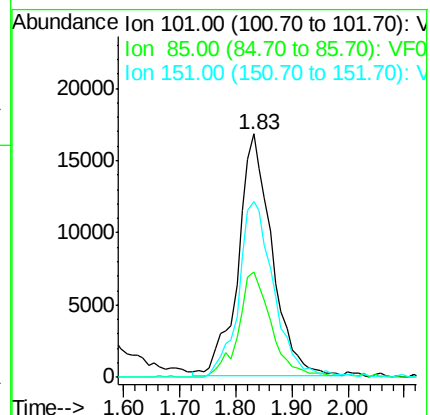
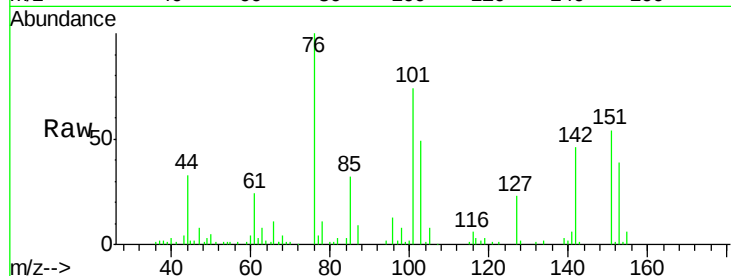
Tot Ion:101 Resp: 70218

Ion Ratio Lower Upper

101 100

85 43.2 29.8 44.6

151 72.3 56.3 84.5



#10

Methyl Iodide

Concen: 17.776 ug/l

RT: 1.91 min Scan# 130

Delta R.T. 0.00 min

Lab File: VF061804.D

Acq: 1 Mar 2019 15:55

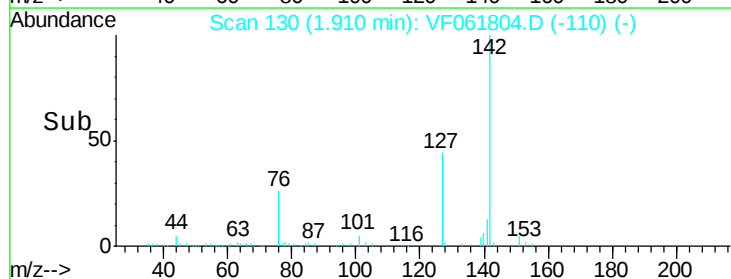
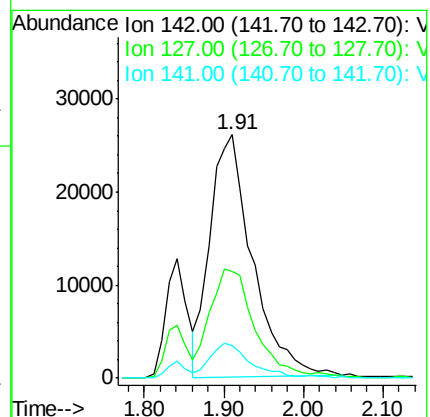
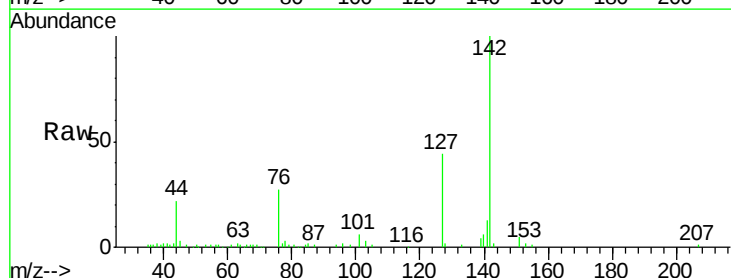
Tgt Ion:142 Resp: 96507

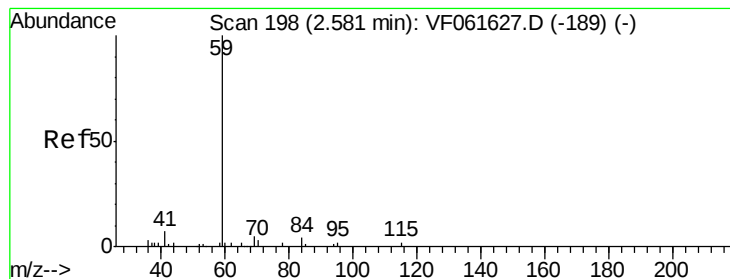
Ion Ratio Lower Upper

142 100

127 44.0 36.6 55.0

141 13.2 11.0 16.6



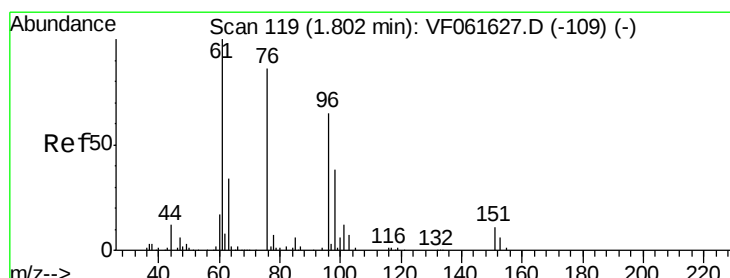
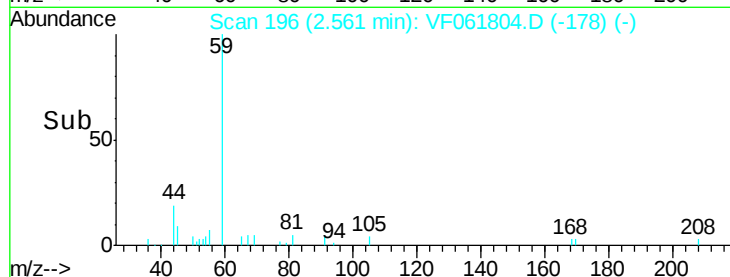
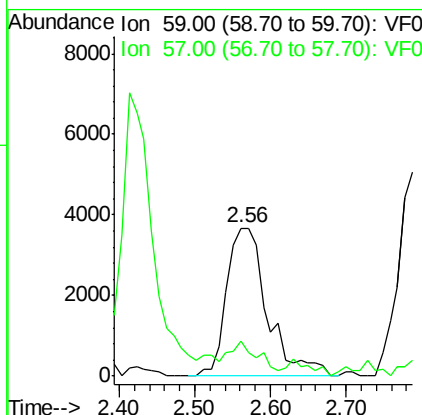
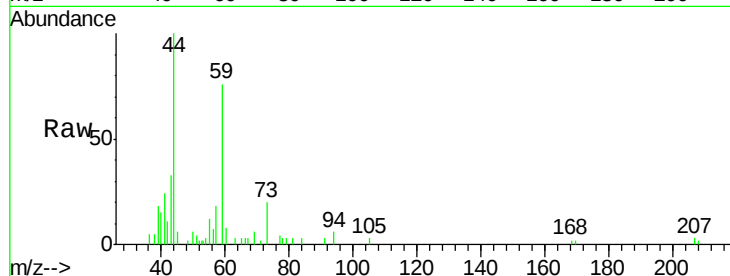


#11

Tert butyl alcohol
Concen: 110.880 ug/l
RT: 2.56 min Scan# 196
Delta R.T. -0.02 min
Lab File: VF061804.D
Acq: 1 Mar 2019 15:55

Instrument :
MSVOA_F
ClientSampleId :
VF0301SBS01

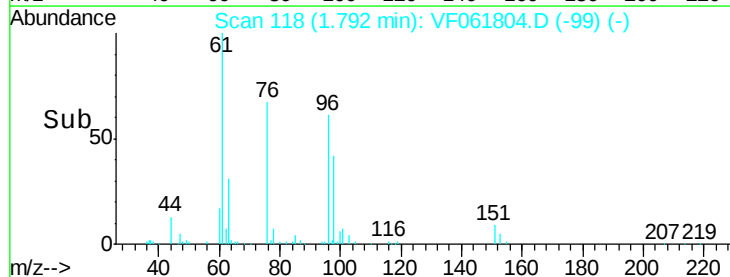
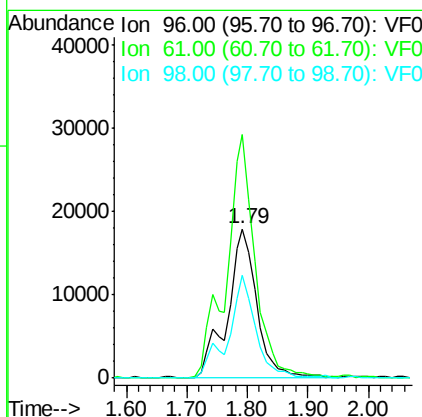
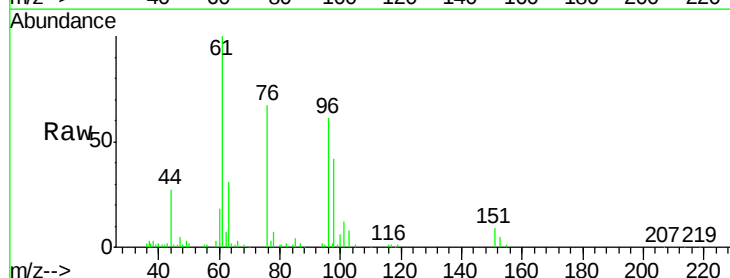
Tot Ion: 59 Resp: 13722
Ion Ratio Lower Upper
59 100
57 23.3 12.5 18.7#

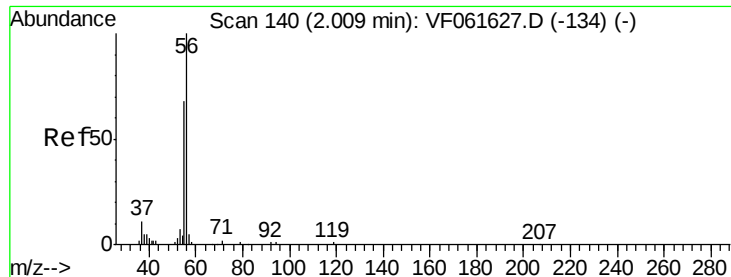


#12

1,1-Dichloroethene
Concen: 24.460 ug/l
RT: 1.79 min Scan# 118
Delta R.T. -0.01 min
Lab File: VF061804.D
Acq: 1 Mar 2019 15:55

Tgt Ion: 96 Resp: 61120
Ion Ratio Lower Upper
96 100
61 163.3 122.6 184.0
98 68.8 47.2 70.8





#13

Acrolein

Concen: 89.187 ug/l

RT: 2.00 min Scan# 139

Delta R.T. -0.01 min

Lab File: VF061804.D

Acq: 1 Mar 2019 15:55

Instrument :

MSVOA_F

ClientSampleId :

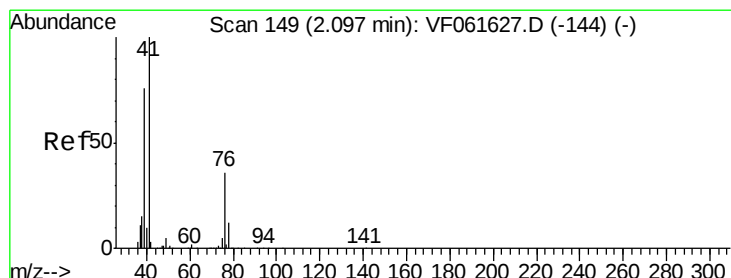
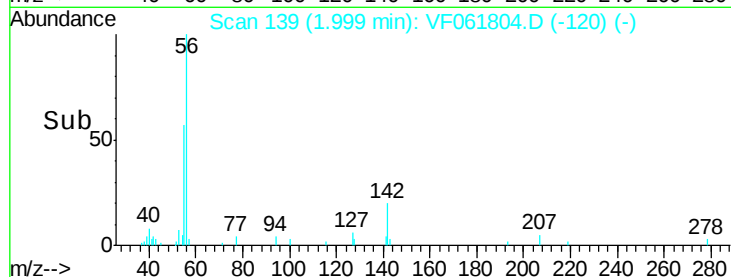
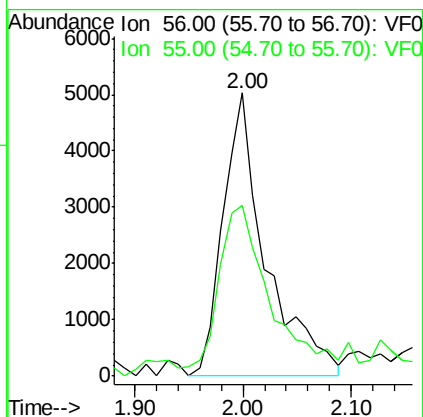
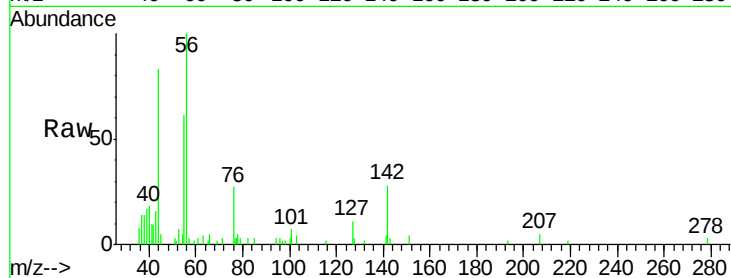
VF0301SBS01

Tot Ion: 56 Resp: 13872

Ion Ratio Lower Upper

56 100

55 60.5 55.0 82.6



#14

Allyl chloride

Concen: 22.010 ug/l

RT: 2.09 min Scan# 148

Delta R.T. -0.01 min

Lab File: VF061804.D

Acq: 1 Mar 2019 15:55

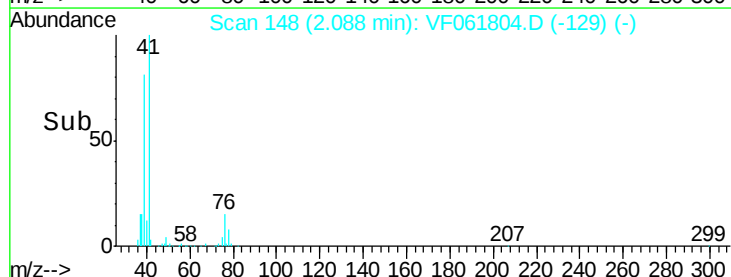
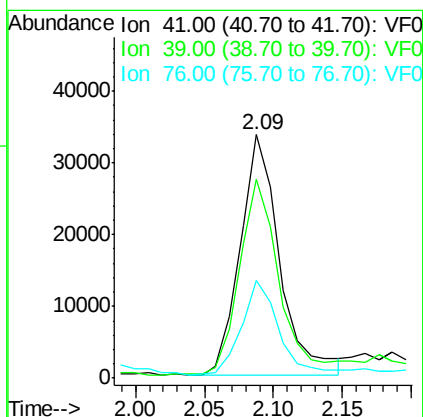
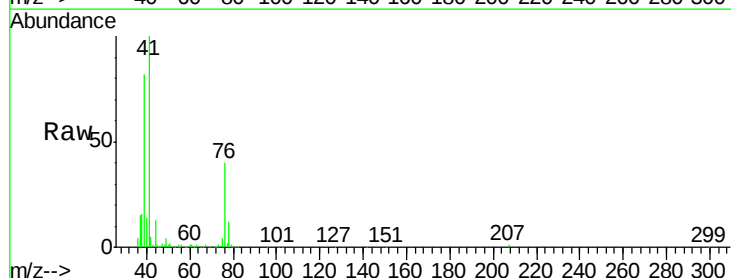
Tgt Ion: 41 Resp: 67489

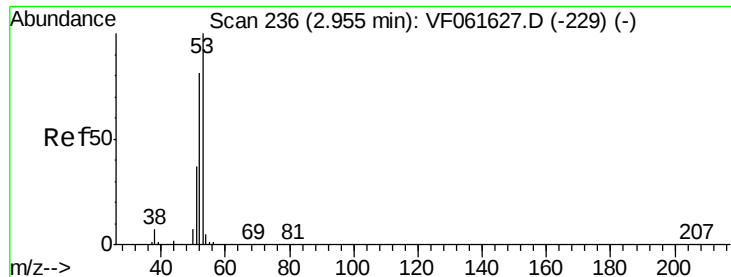
Ion Ratio Lower Upper

41 100

39 81.7 61.6 92.4

76 39.9 30.3 45.5





#15

Acrylonitrile

Concen: 98.728 ug/l

RT: 2.94 min Scan# 234

Delta R.T. -0.02 min

Lab File: VF061804.D

Acq: 1 Mar 2019 15:55

Instrument :

MSVOA_F

ClientSampleId :

VF0301SBS01

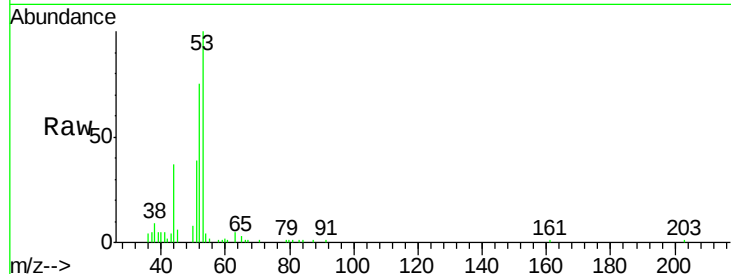
Tot Ion: 53 Resp: 43338

Ion Ratio Lower Upper

53 100

52 75.2 64.6 97.0

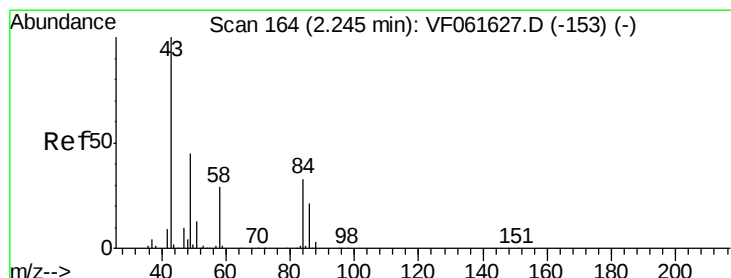
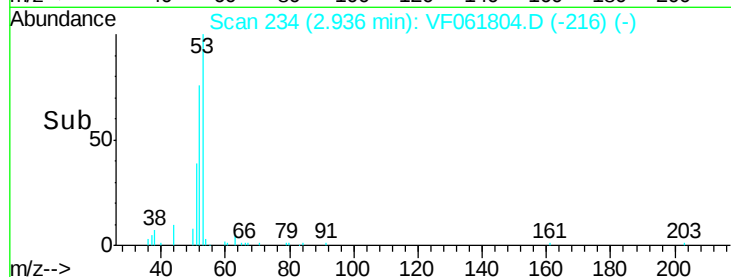
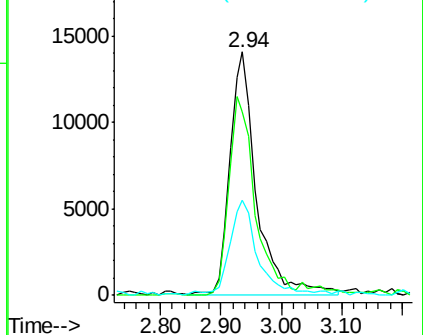
51 39.1 29.8 44.8



Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 118.492 ug/l

RT: 2.23 min Scan# 162

Delta R.T. -0.02 min

Lab File: VF061804.D

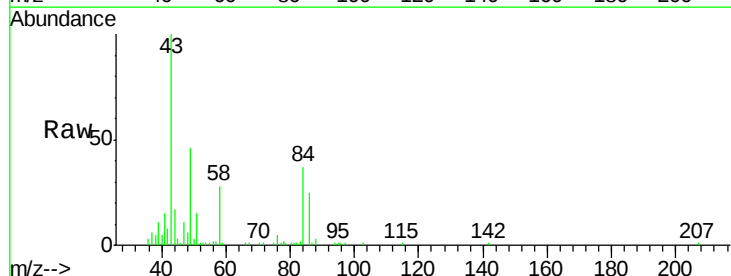
Acq: 1 Mar 2019 15:55

Tgt Ion: 43 Resp: 54364

Ion Ratio Lower Upper

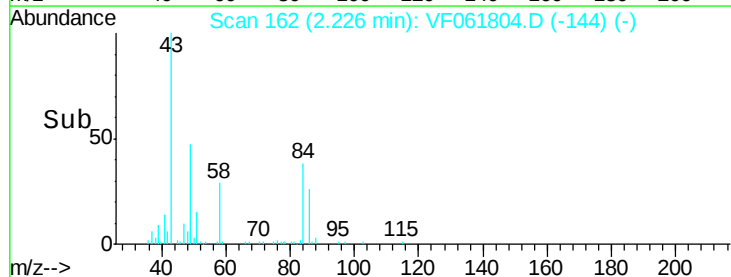
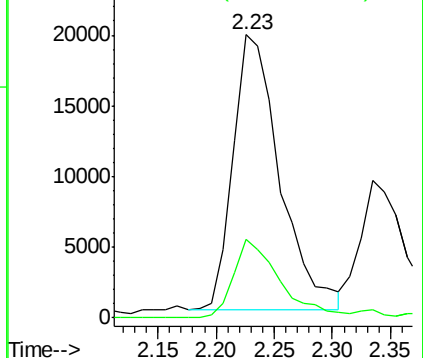
43 100

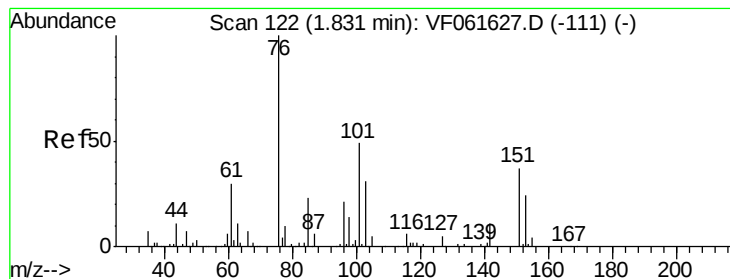
58 27.8 22.9 34.3



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#17

Carbon Disulfide

Concen: 17.468 ug/l

RT: 1.82 min Scan# 121

Delta R.T. -0.01 min

Lab File: VF061804.D

Acq: 1 Mar 2019 15:55

Instrument :

MSVOA_F

ClientSampleId :

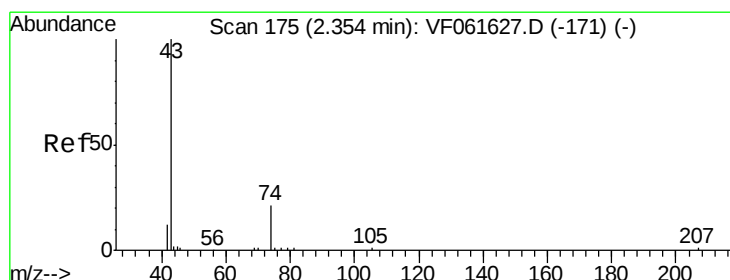
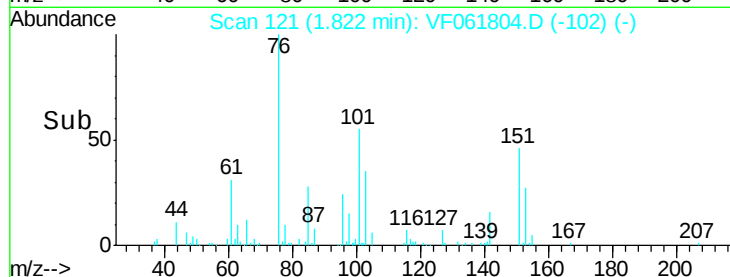
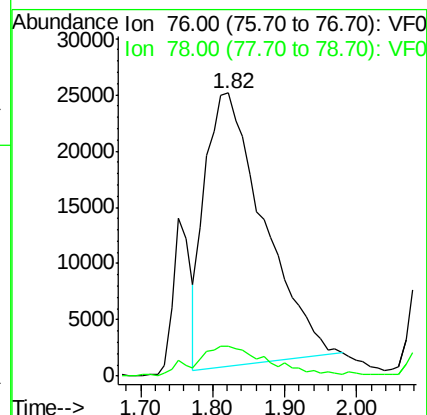
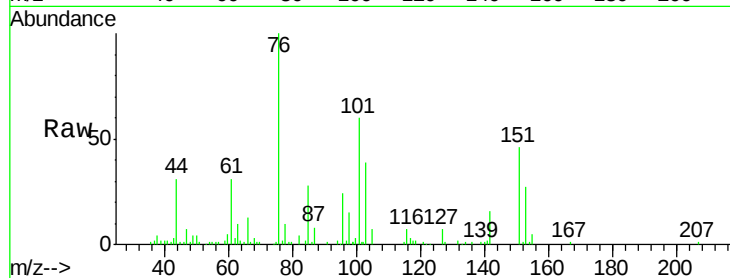
VF0301SBSD01

Tot Ion: 76 Resp: 137200

Ion Ratio Lower Upper

76 100

78 10.4 7.9 11.9



#18

Methyl Acetate

Concen: 18.784 ug/l

RT: 2.41 min Scan# 181

Delta R.T. 0.06 min

Lab File: VF061804.D

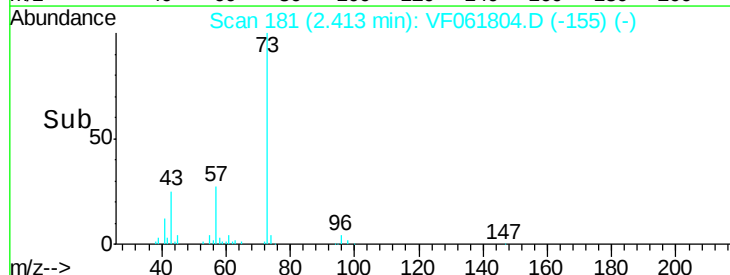
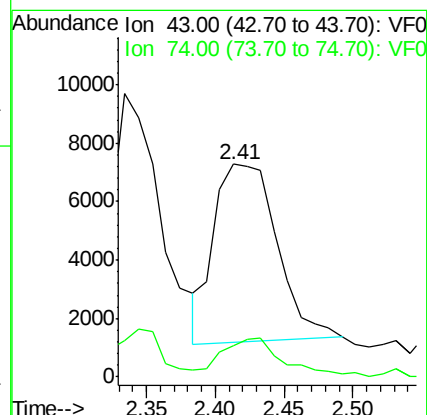
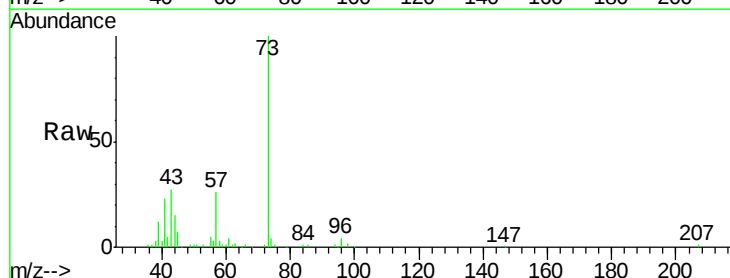
Acq: 1 Mar 2019 15:55

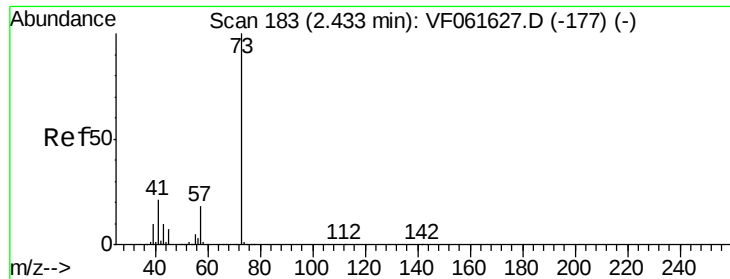
Tgt Ion: 43 Resp: 19414

Ion Ratio Lower Upper

43 100

74 14.6 14.6 21.8

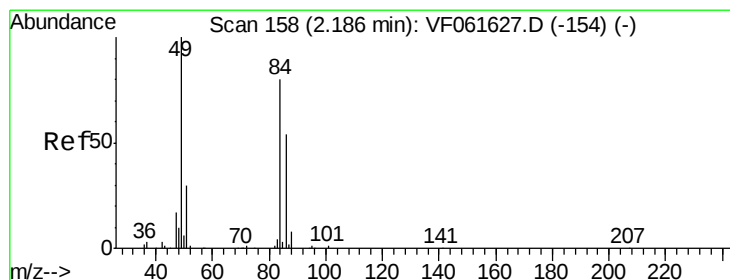
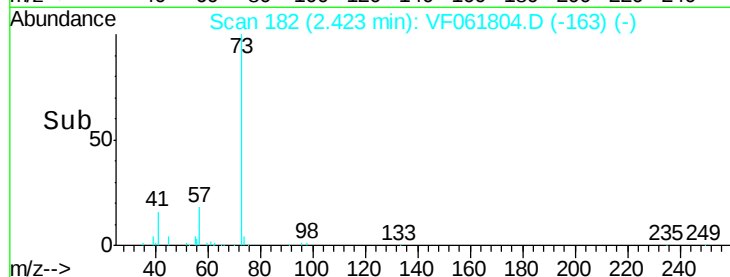
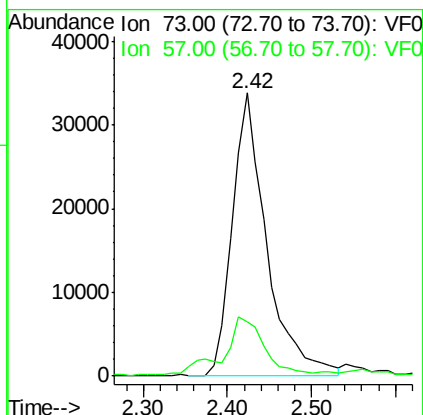
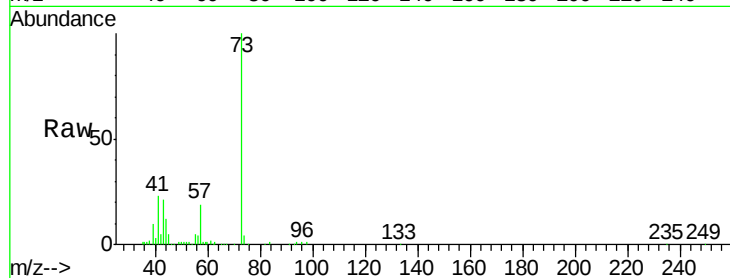




#19
Methvl tert-butvl Ether
Concen: 22.574 ug/l
RT: 2.42 min Scan# 182
Delta R.T. -0.01 min
Lab File: VF061804.D
Acq: 1 Mar 2019 15:55

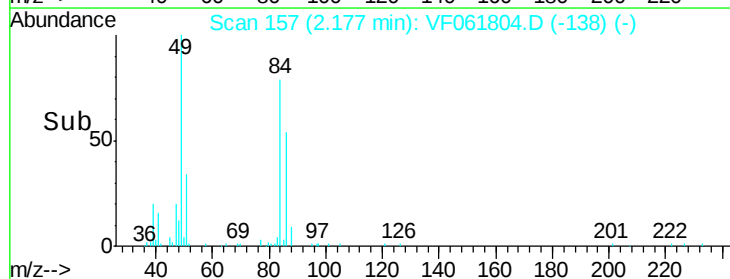
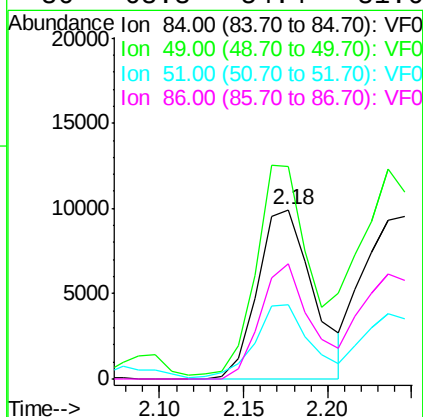
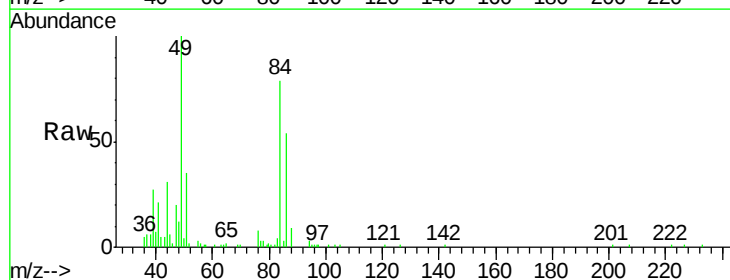
Instrument :
MSVOA_F
ClientSampleId :
VF0301SBS01

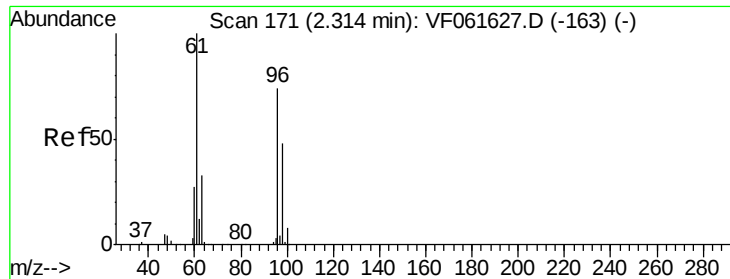
Tot Ion: 73 Resp: 96404
Ion Ratio Lower Upper
73 100
57 19.3 15.8 23.8



#20
Methylene Chloride
Concen: 7.122 ug/l
RT: 2.18 min Scan# 157
Delta R.T. -0.01 min
Lab File: VF061804.D
Acq: 1 Mar 2019 15:55

Tgt Ion: 84 Resp: 22823
Ion Ratio Lower Upper
84 100
49 125.9 101.8 152.8
51 44.0 31.1 46.7
86 68.3 54.4 81.6





#21

trans-1,2-Dichloroethene

Concen: 18.645 ug/l

RT: 2.30 min Scan# 170

Delta R.T. -0.01 min

Lab File: VF061804.D

Acq: 1 Mar 2019 15:55

Instrument :

MSVOA_F

ClientSampleId :

VF0301SBS01

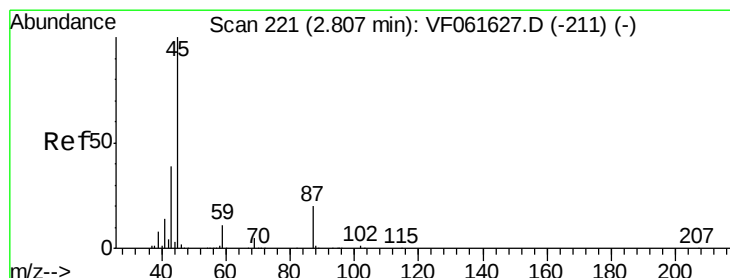
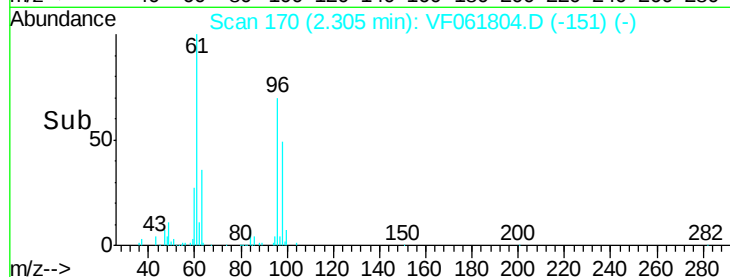
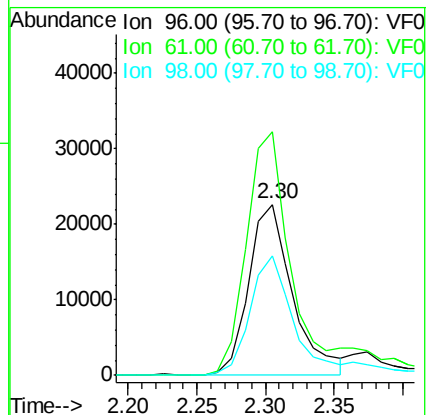
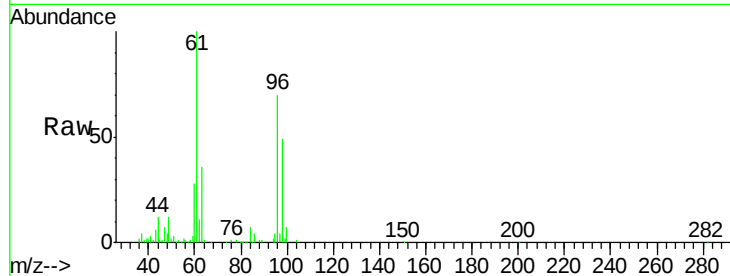
Tot Ion: 96 Resp: 50646

Ion Ratio Lower Upper

96 100

61 142.2 108.2 162.4

98 69.5 52.2 78.2



#22

Diisopropyl ether

Concen: 23.251 ug/l

RT: 2.79 min Scan# 219

Delta R.T. -0.02 min

Lab File: VF061804.D

Acq: 1 Mar 2019 15:55

Tgt Ion: 45 Resp: 171134

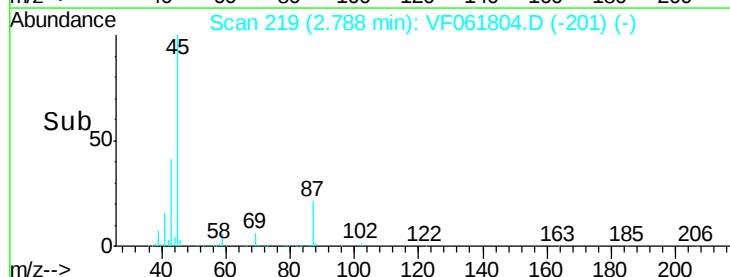
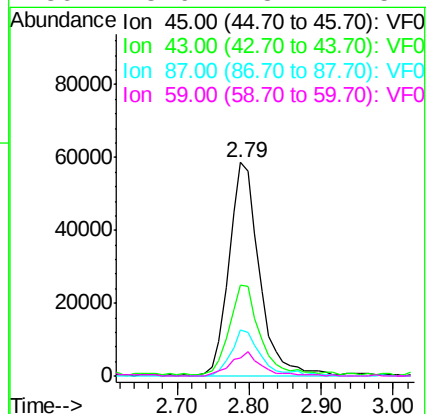
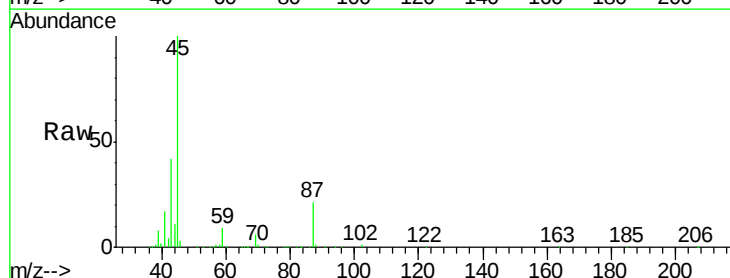
Ion Ratio Lower Upper

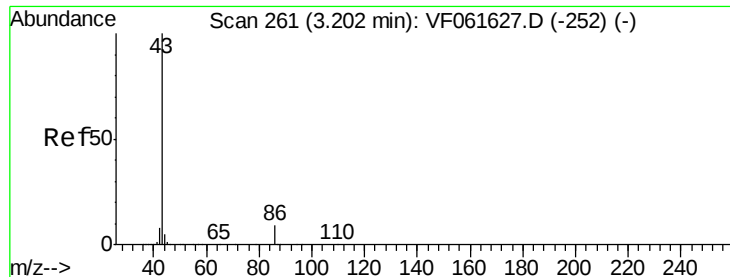
45 100

43 42.3 31.4 47.2

87 21.3 16.3 24.5

59 8.6 8.7 13.1#





#23

Vinyl Acetate

Concen: 106.979 ug/l

RT: 3.17 min Scan# 258

Delta R.T. -0.03 min

Lab File: VF061804.D

Acq: 1 Mar 2019 15:55

Instrument :

MSVOA_F

ClientSampleId :

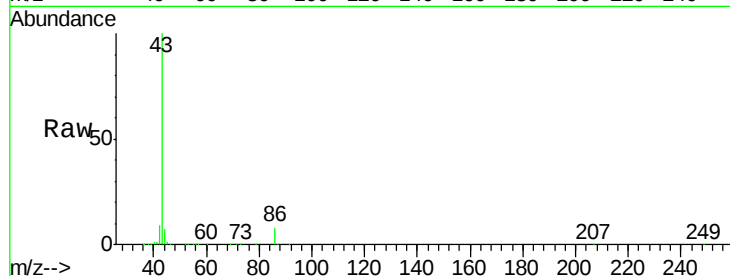
VF0301SBS01

Tot Ion: 43 Resp: 384588

Ion Ratio Lower Upper

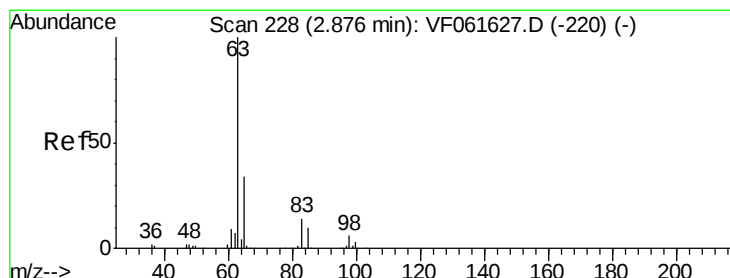
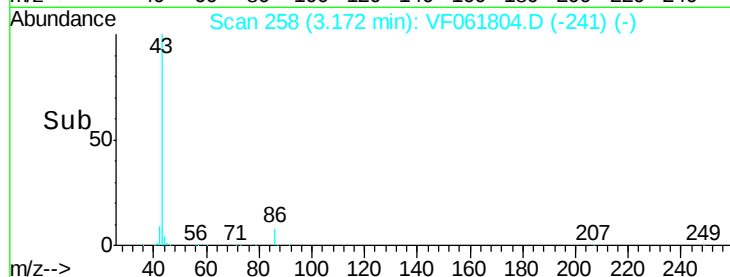
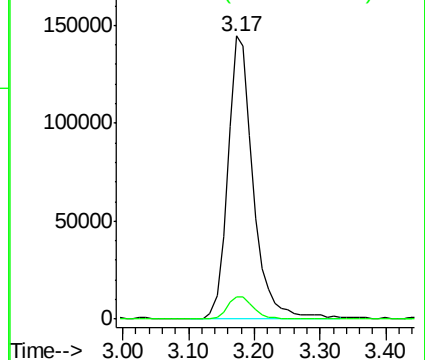
43 100

86 8.0 7.5 11.3



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 23.197 ug/l

RT: 2.86 min Scan# 226

Delta R.T. -0.02 min

Lab File: VF061804.D

Acq: 1 Mar 2019 15:55

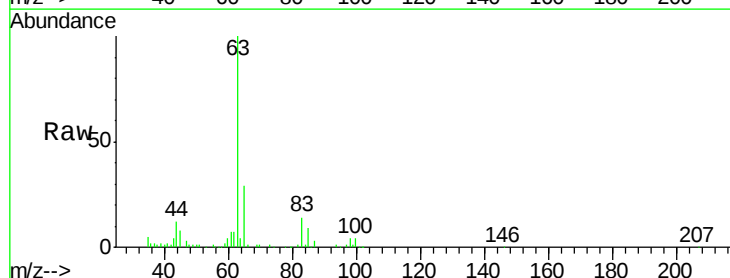
Tgt Ion: 63 Resp: 103322

Ion Ratio Lower Upper

63 100

98 4.4 2.8 8.3

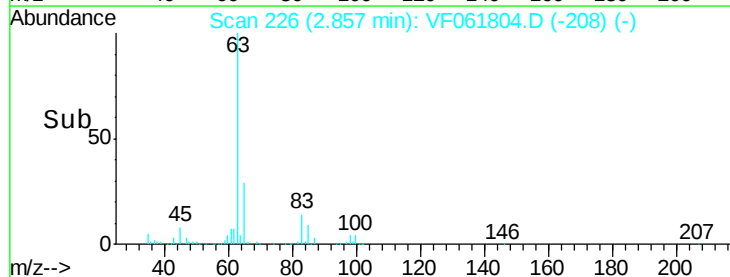
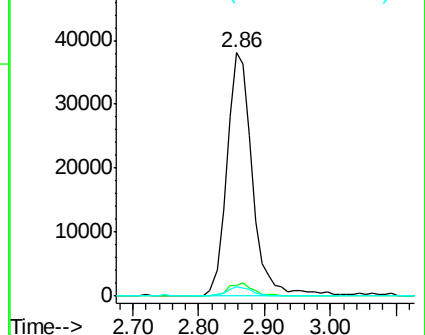
100 3.7 1.8 5.4

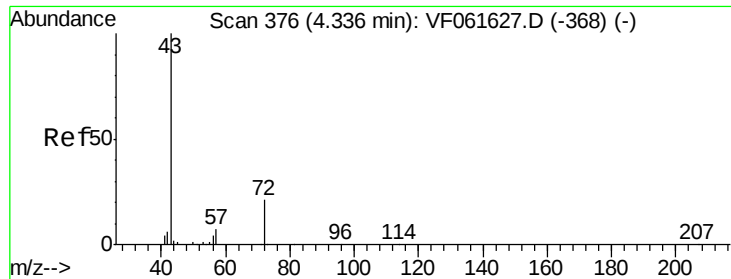


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 106.250 ug/l

RT: 4.33 min Scan# 375

Delta R.T. -0.01 min

Lab File: VF061804.D

Acq: 1 Mar 2019 15:55

Instrument :

MSVOA_F

ClientSampleId :

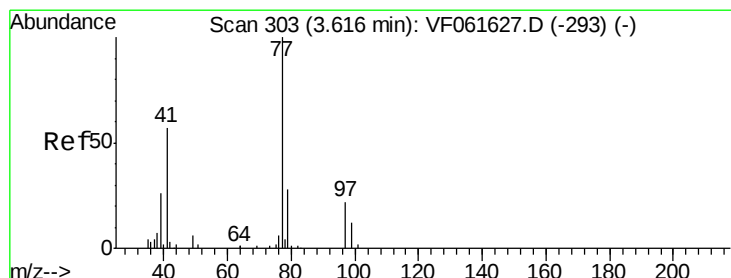
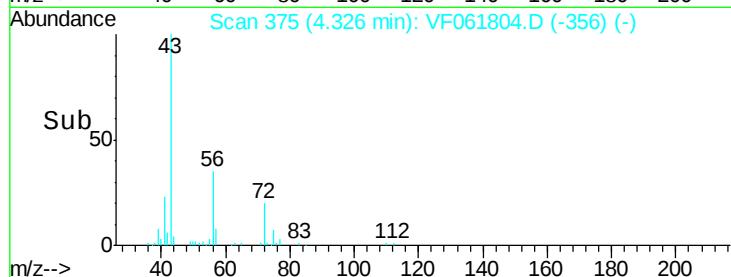
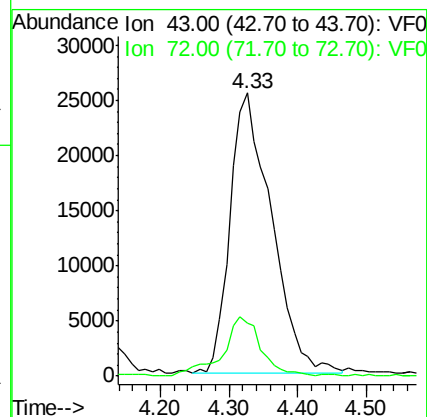
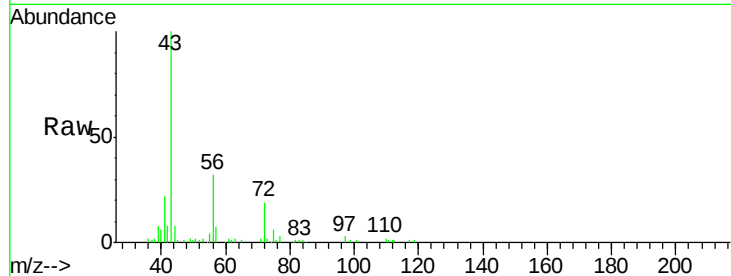
VF0301SBS01

Tot Ion: 43 Resp: 106480

Ion Ratio Lower Upper

43 100

72 18.5 17.1 25.7



#26

2,2-Dichloropropane

Concen: 24.004 ug/l

RT: 3.58 min Scan# 299

Delta R.T. -0.04 min

Lab File: VF061804.D

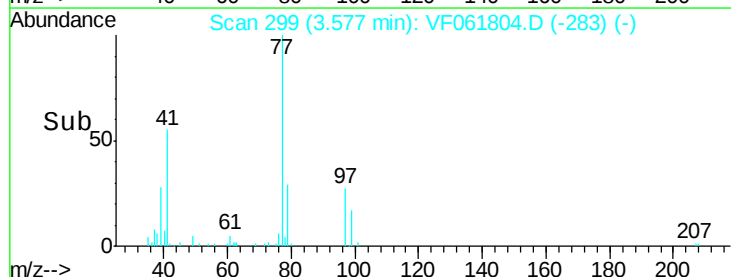
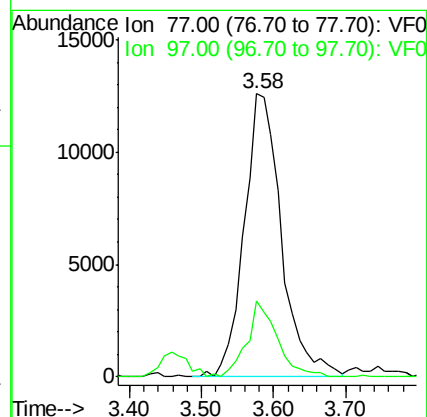
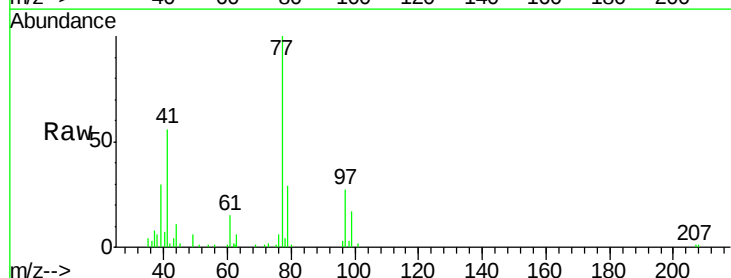
Acq: 1 Mar 2019 15:55

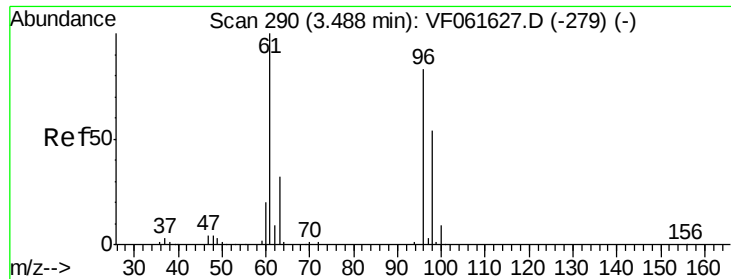
Tgt Ion: 77 Resp: 45289

Ion Ratio Lower Upper

77 100

97 26.8 11.7 35.0



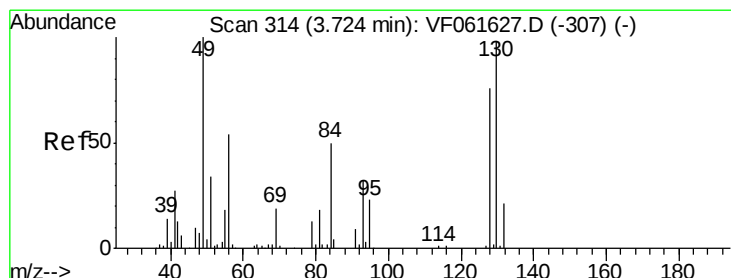
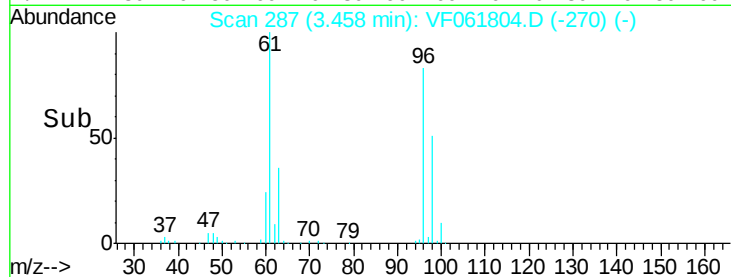
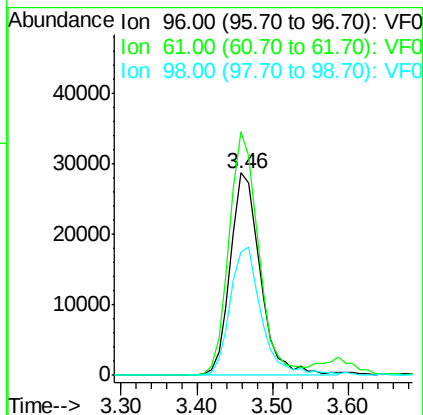
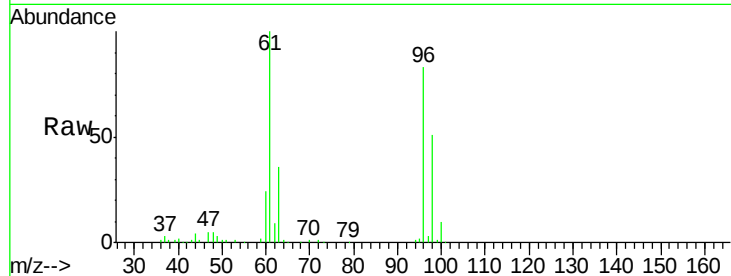


#27

cis-1,2-Dichloroethene
Concen: 22.115 ug/l
RT: 3.46 min Scan# 287
Delta R.T. -0.03 min
Lab File: VF061804.D
Acq: 1 Mar 2019 15:55

Instrument :
MSVOA_F
ClientSampleId :
VF0301SBS01

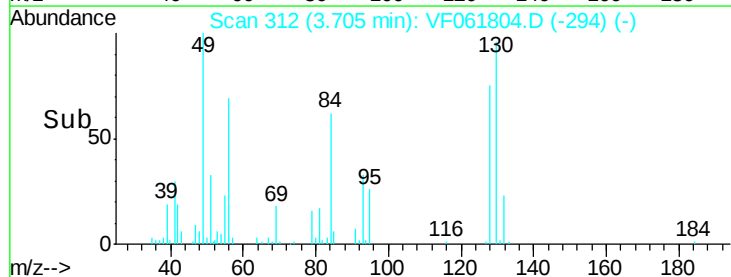
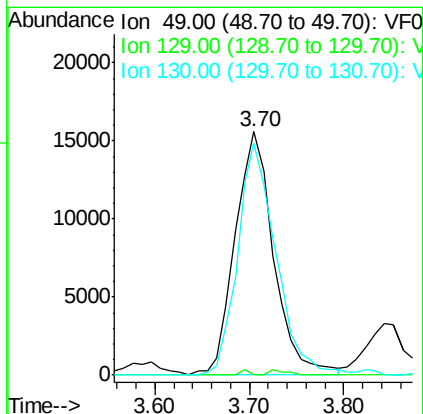
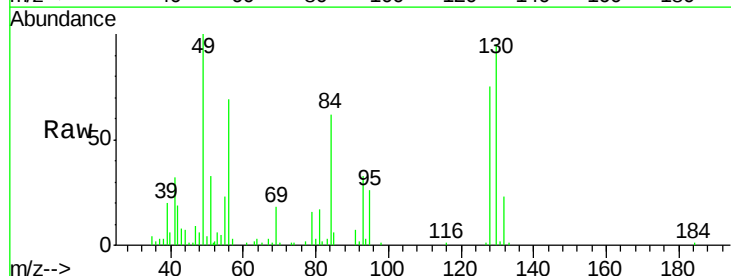
Tot Ion: 96 Resp: 78849
Ion Ratio Lower Upper
96 100
61 120.4 0.0 241.6
98 61.1 0.0 130.2

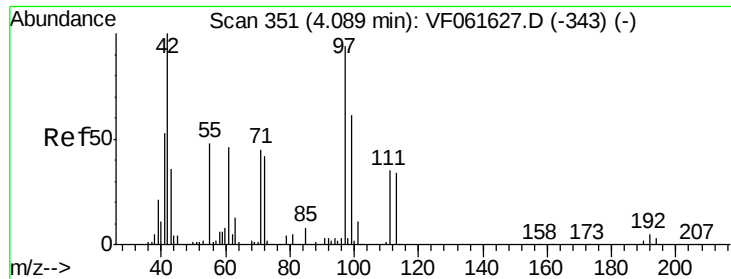


#28

Bromochloromethane
Concen: 20.660 ug/l
RT: 3.70 min Scan# 312
Delta R.T. -0.02 min
Lab File: VF061804.D
Acq: 1 Mar 2019 15:55

Tgt Ion: 49 Resp: 44153
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.4
130 95.1 77.7 116.5

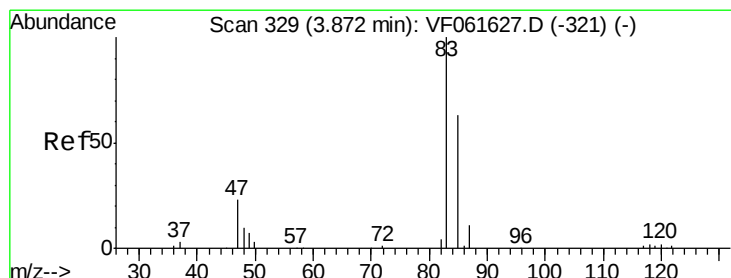
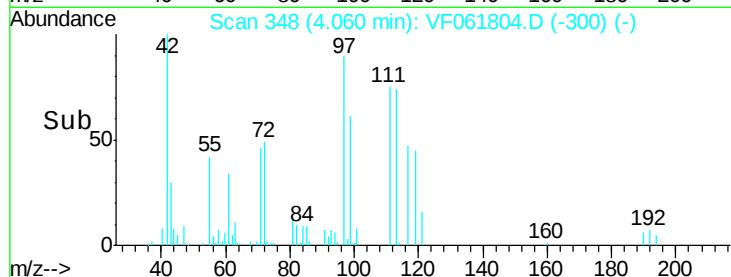
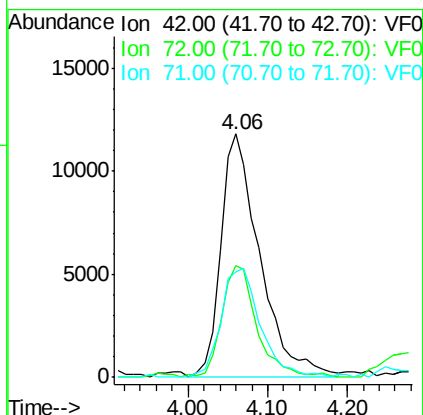
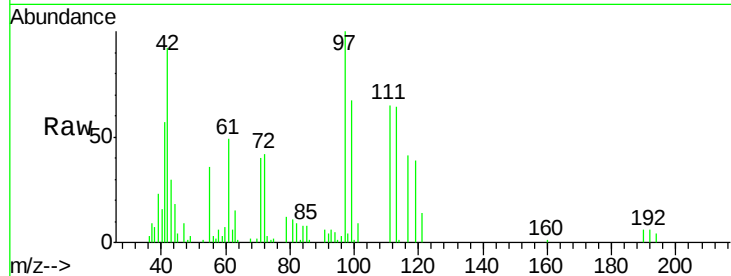




#29
Tetrahydrofuran
Concen: 88.722 ug/l
RT: 4.06 min Scan# 348
Delta R.T. -0.03 min
Lab File: VF061804.D
Acq: 1 Mar 2019 15:55

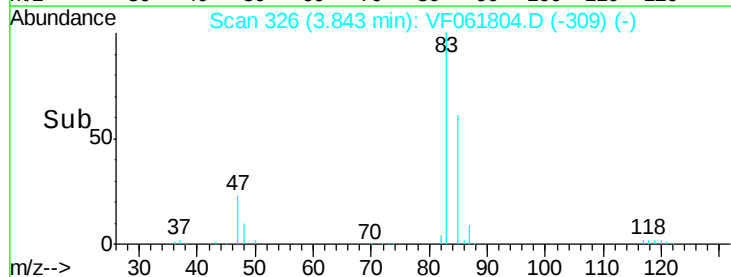
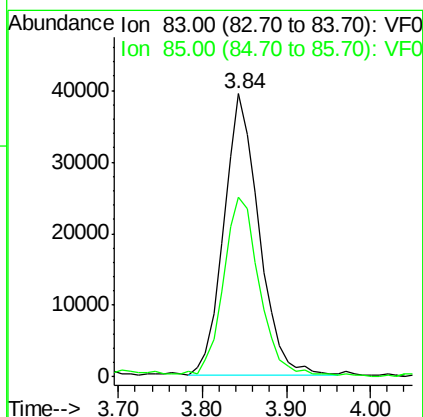
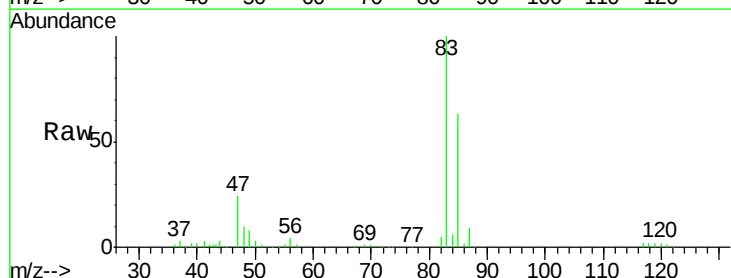
Instrument :
MSVOA_F
ClientSampleId :
VF0301SBS01

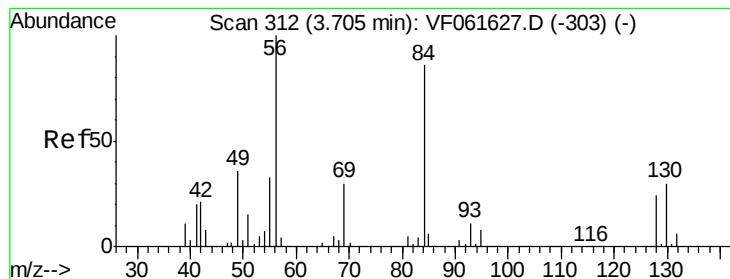
Tot Ion: 42 Resp: 40412
Ion Ratio Lower Upper
42 100
72 42.0 35.2 52.8
71 45.0 32.9 49.3



#30
Chloroform
Concen: 22.325 ug/l
RT: 3.84 min Scan# 326
Delta R.T. -0.03 min
Lab File: VF061804.D
Acq: 1 Mar 2019 15:55

Tgt Ion: 83 Resp: 113088
Ion Ratio Lower Upper
83 100
85 63.3 51.1 76.7





#31

Cyclohexane

Concen: 13.711 ug/l

RT: 3.69 min Scan# 310

Delta R.T. -0.02 min

Lab File: VF061804.D

Acq: 1 Mar 2019 15:55

Instrument :

MSVOA_F

ClientSampleId :

VF0301SBSD01

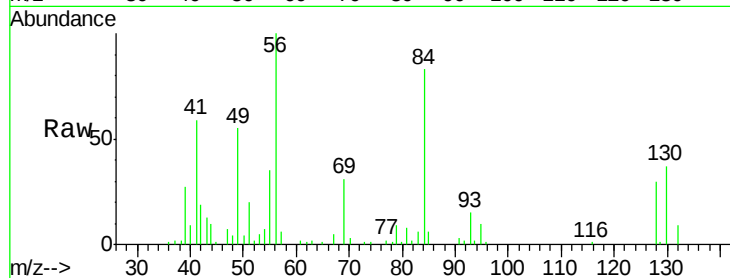
Tot Ion: 56 Resp: 66111

Ion Ratio Lower Upper

56 100

69 30.8 23.8 35.8

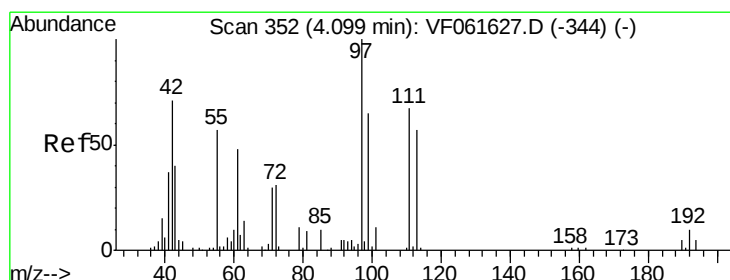
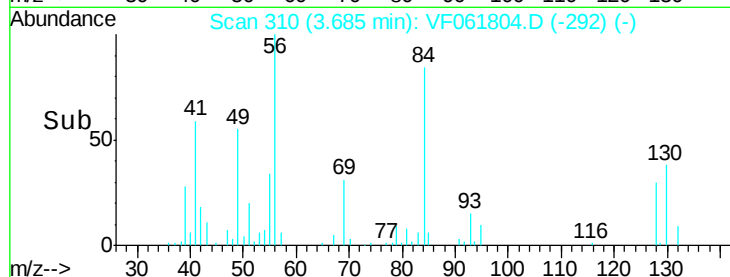
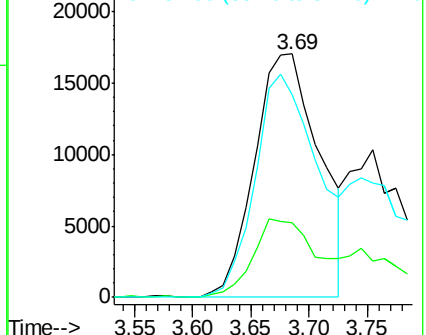
84 83.3 68.6 103.0



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: 22.178 ug/l

RT: 4.07 min Scan# 349

Delta R.T. -0.03 min

Lab File: VF061804.D

Acq: 1 Mar 2019 15:55

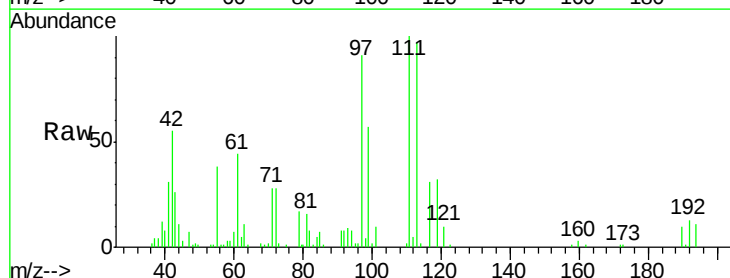
Tgt Ion: 97 Resp: 73589

Ion Ratio Lower Upper

97 100

99 62.8 52.2 78.2

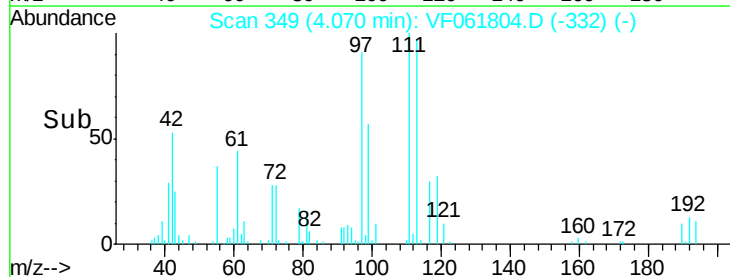
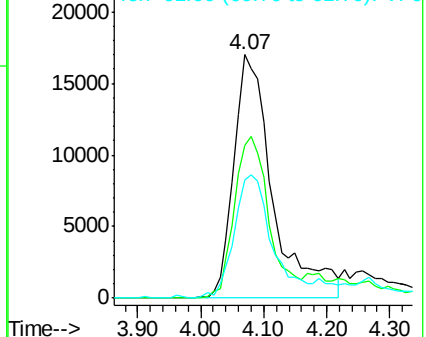
61 48.4 39.2 58.8

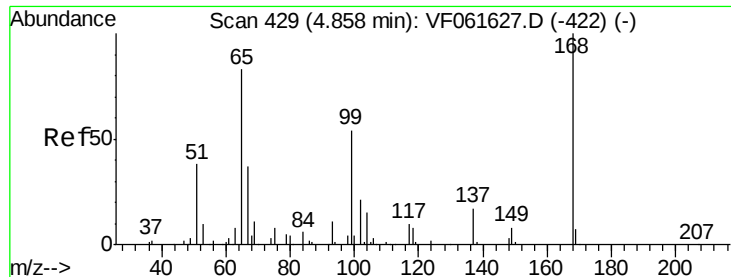


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#33

1,2-Dichloroethane-d4

Concen: 54.585 ug/l

RT: 4.83 min Scan# 426

Delta R.T. -0.03 min

Lab File: VF061804.D

Acq: 1 Mar 2019 15:55

Instrument :

MSVOA_F

ClientSampleId :

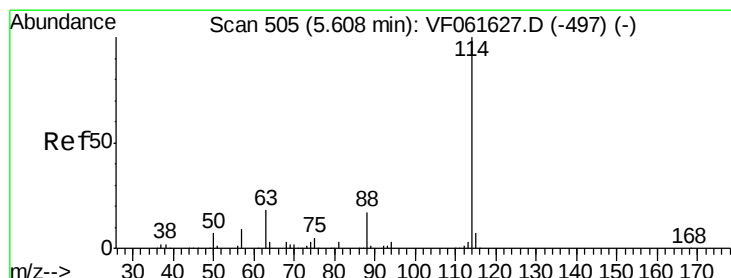
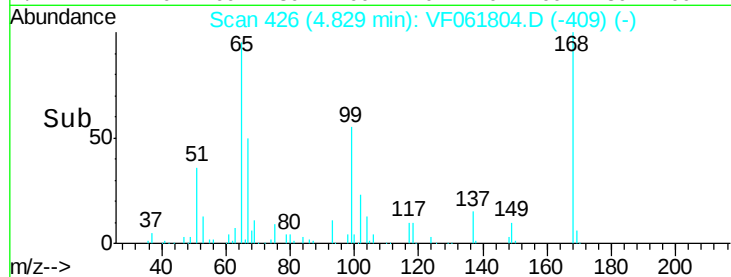
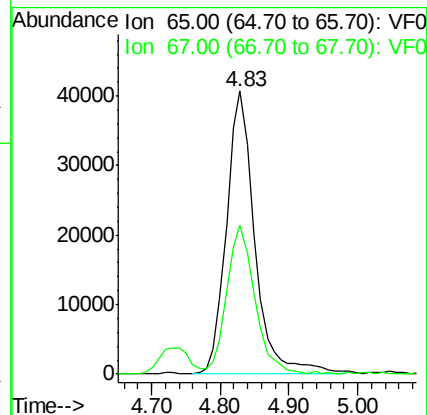
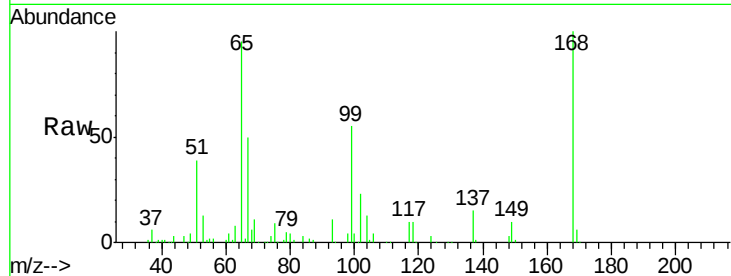
VF0301SBS01

Tot Ion: 65 Resp: 116723

Ion Ratio Lower Upper

65 100

67 52.5 0.0 104.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.58 min Scan# 502

Delta R.T. -0.03 min

Lab File: VF061804.D

Acq: 1 Mar 2019 15:55

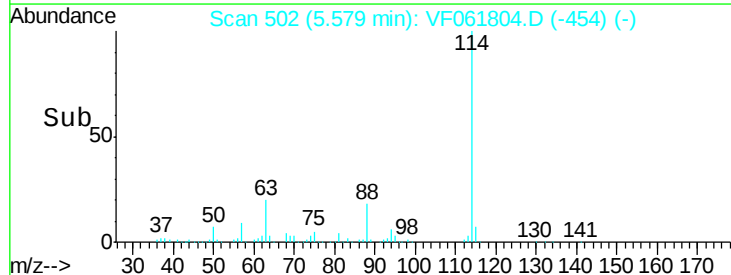
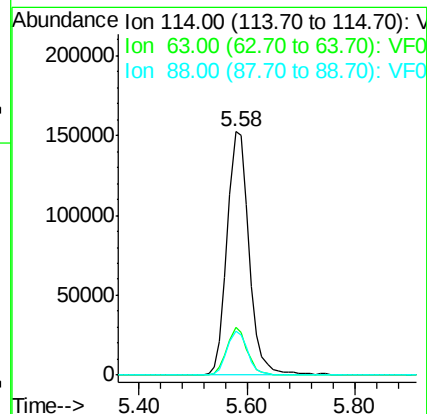
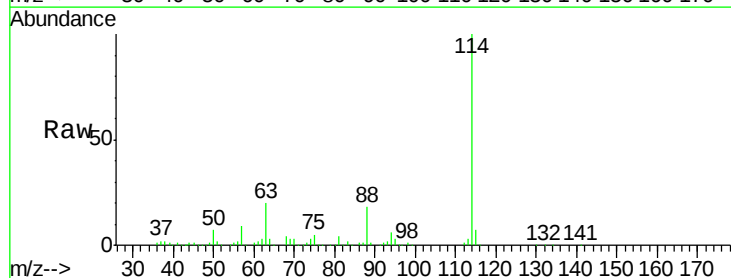
Tgt Ion: 114 Resp: 431485

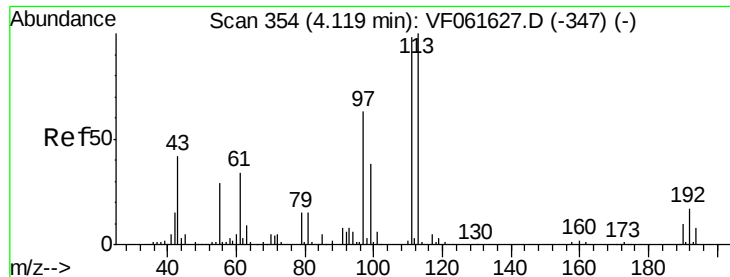
Ion Ratio Lower Upper

114 100

63 19.6 0.0 36.6

88 17.8 0.0 34.4

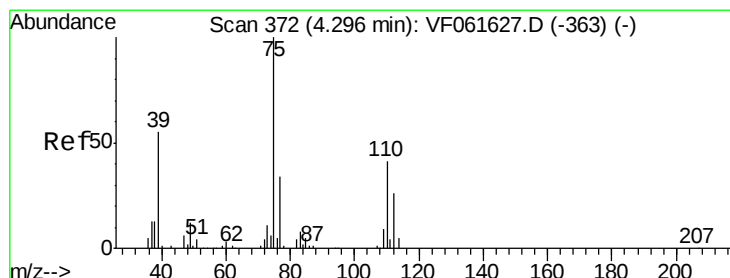
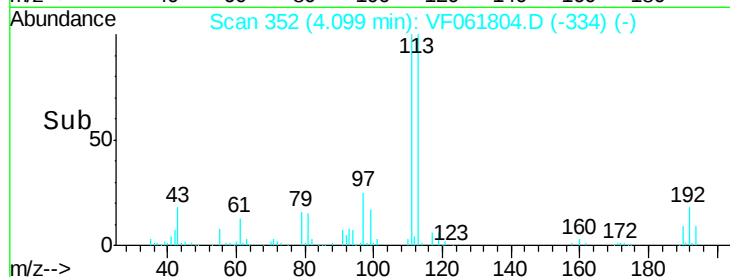
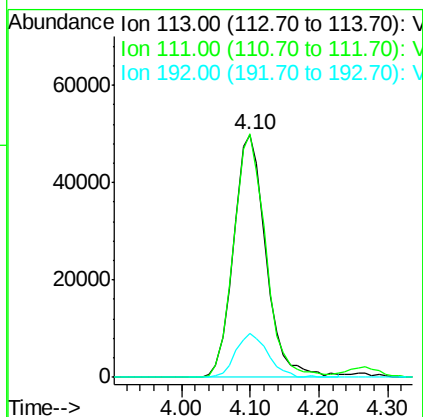
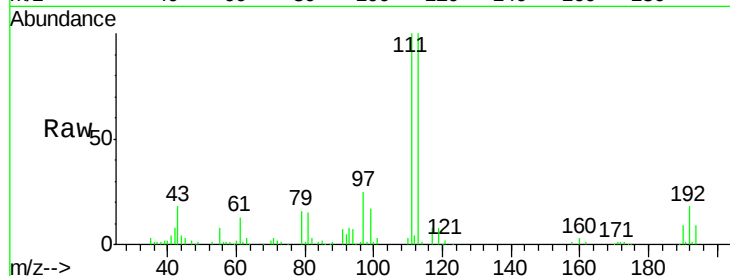




#35
 Dibromofluoromethane
 Concen: 50.536 ug/l
 RT: 4.10 min Scan# 352
 Delta R.T. -0.02 min
 Lab File: VF061804.D
 Acq: 1 Mar 2019 15:55

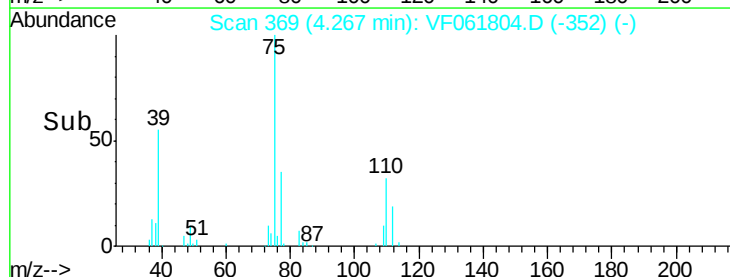
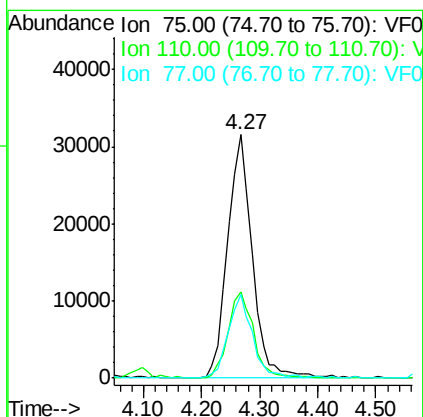
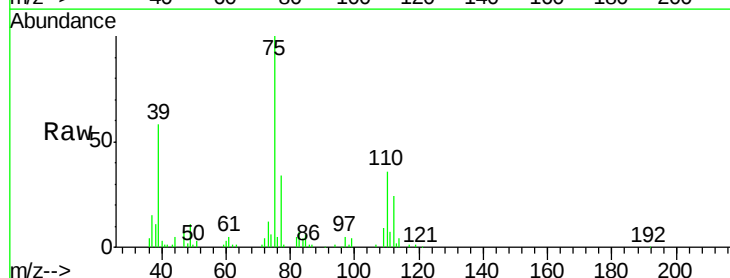
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0301SBSD01

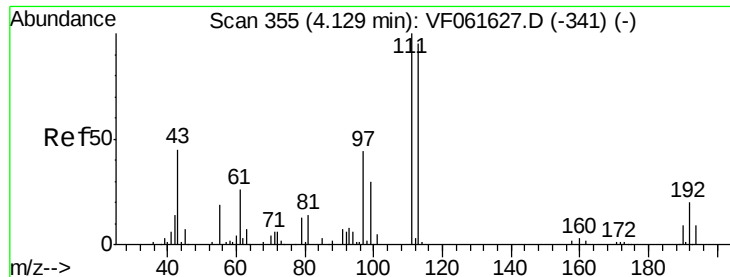
Tot Ion:113 Resp: 161929
 Ion Ratio Lower Upper
 113 100
 111 100.4 78.8 118.2
 192 19.2 13.4 20.0



#36
 1,1-Dichloropropene
 Concen: 21.784 ug/l
 RT: 4.27 min Scan# 369
 Delta R.T. -0.03 min
 Lab File: VF061804.D
 Acq: 1 Mar 2019 15:55

Tgt Ion: 75 Resp: 93115
 Ion Ratio Lower Upper
 75 100
 110 35.6 20.5 61.6
 77 34.5 27.0 40.4

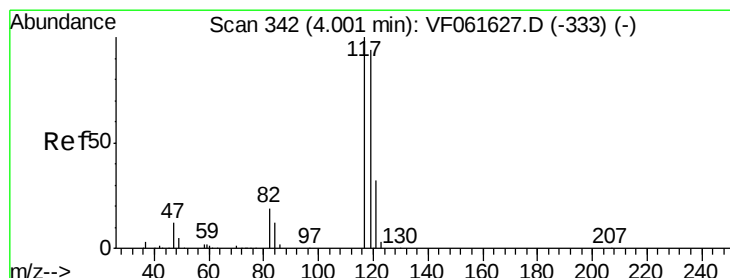
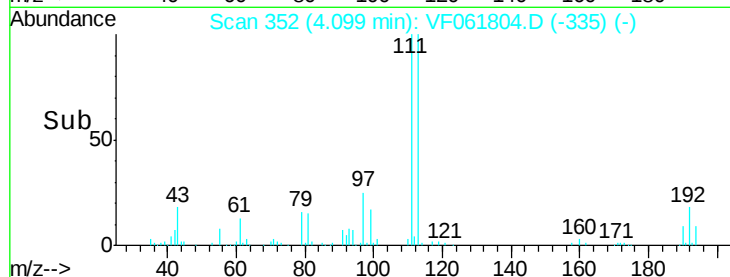
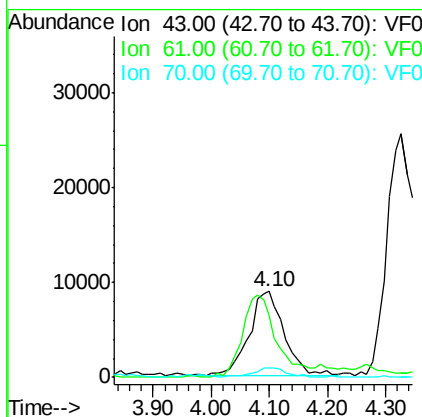
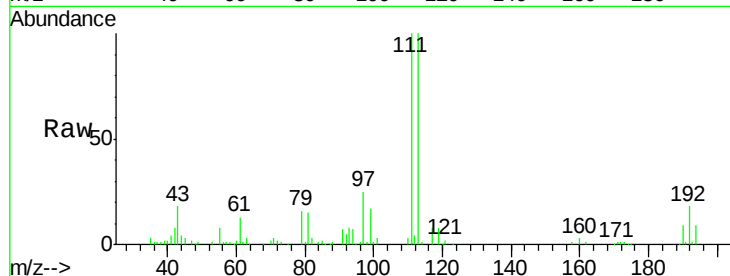




#37
Ethyl Acetate
Concen: 18.753 ug/l
RT: 4.10 min Scan# 352
Delta R.T. -0.03 min
Lab File: VF061804.D
Acq: 1 Mar 2019 15:55

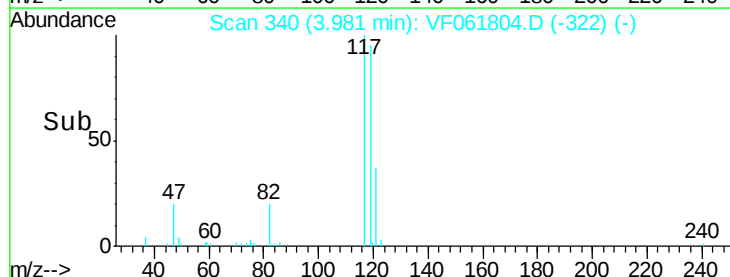
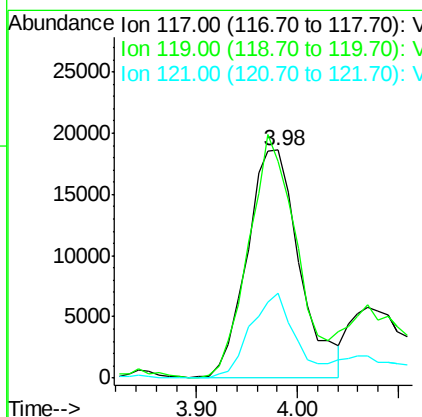
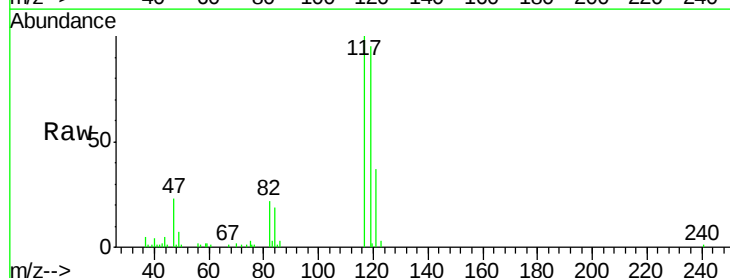
Instrument :
MSVOA_F
ClientSampleId :
VF0301SBS01

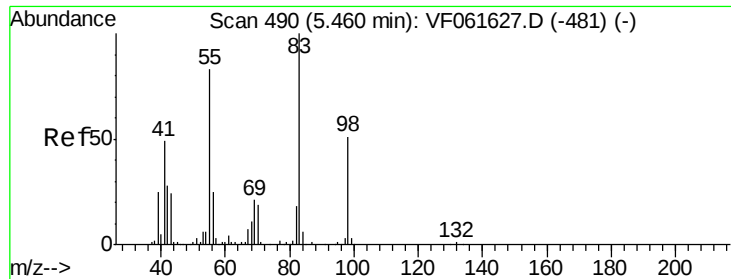
Tot Ion: 43 Resp: 37232
Ion Ratio Lower Upper
43 100
61 71.8 45.7 68.5#
70 11.5 8.5 12.7



#38
Carbon Tetrachloride
Concen: 22.890 ug/l
RT: 3.98 min Scan# 340
Delta R.T. -0.02 min
Lab File: VF061804.D
Acq: 1 Mar 2019 15:55

Tgt Ion: 117 Resp: 67561
Ion Ratio Lower Upper
117 100
119 95.4 75.6 113.4
121 37.0 25.2 37.8

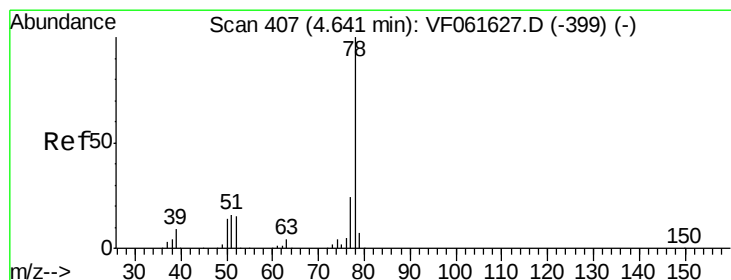
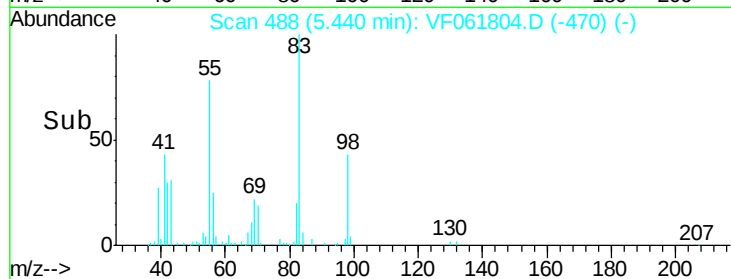
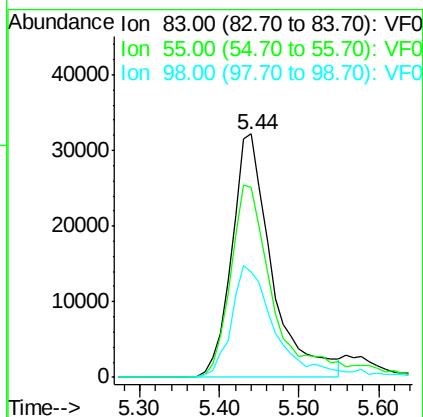
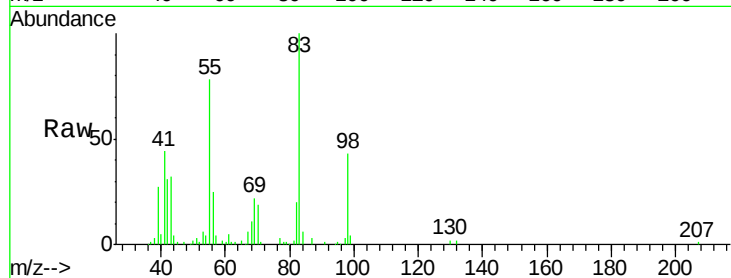




#39
Methvlcvclohexane
Concen: 22.208 ug/l
RT: 5.44 min Scan# 488
Delta R.T. -0.02 min
Lab File: VF061804.D
Acq: 1 Mar 2019 15:55

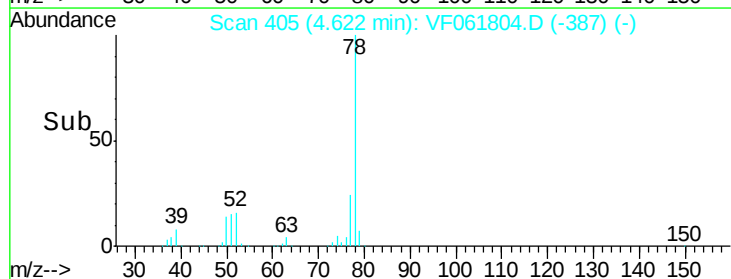
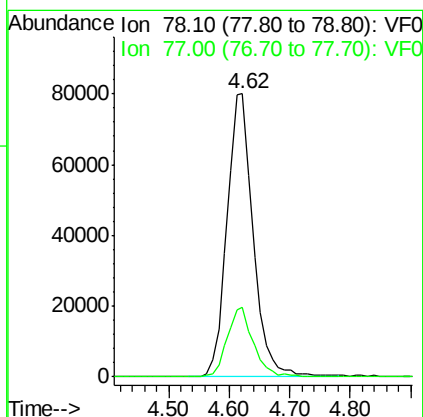
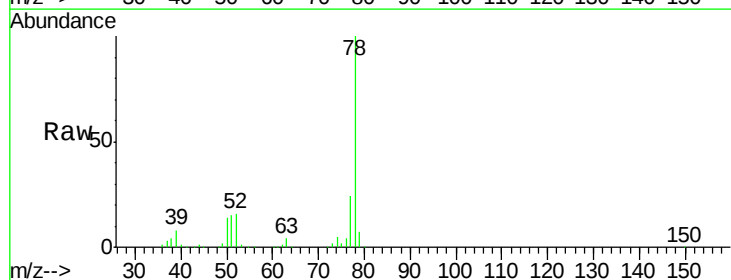
Instrument :
MSVOA_F
ClientSampleId :
VF0301SBSD01

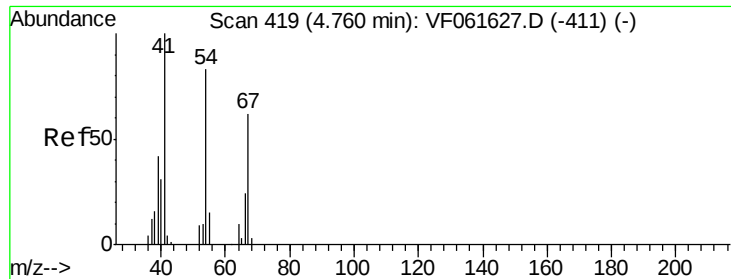
Tot Ion: 83 Resp: 112267
Ion Ratio Lower Upper
83 100
55 78.0 66.6 99.8
98 43.2 40.4 60.6



#40
Benzene
Concen: 21.544 ug/l
RT: 4.62 min Scan# 405
Delta R.T. -0.02 min
Lab File: VF061804.D
Acq: 1 Mar 2019 15:55

Tgt Ion: 78 Resp: 240865
Ion Ratio Lower Upper
78 100
77 24.4 19.0 28.6

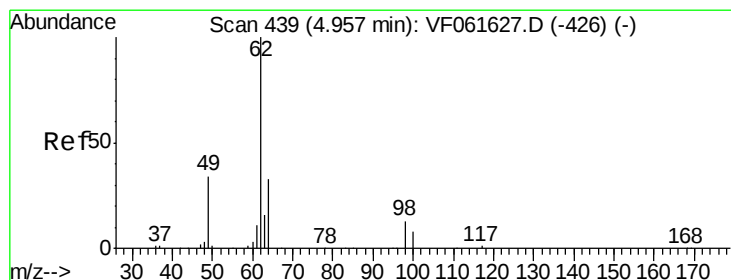
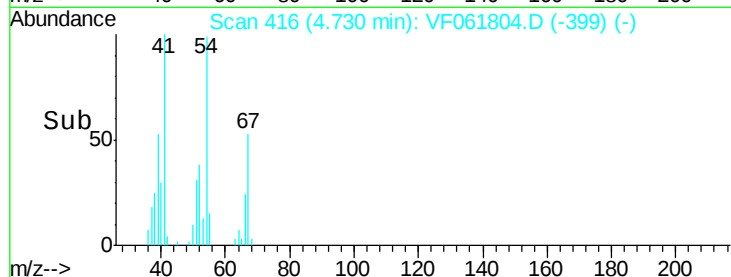
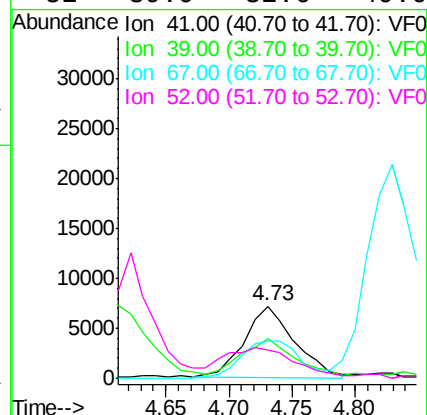
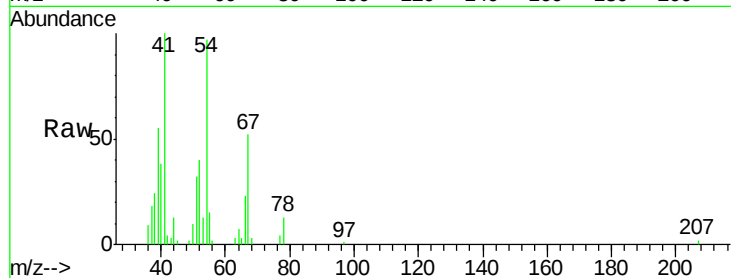




#41
Methacrylonitrile
Concen: 19.402 ug/l
RT: 4.73 min Scan# 416
Delta R.T. -0.03 min
Lab File: VF061804.D
Acq: 1 Mar 2019 15:55

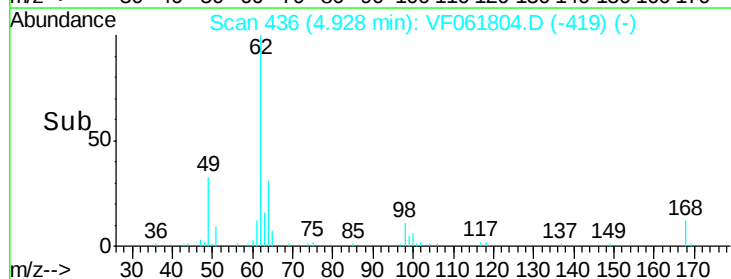
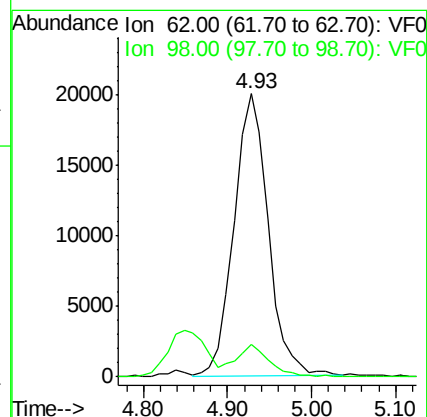
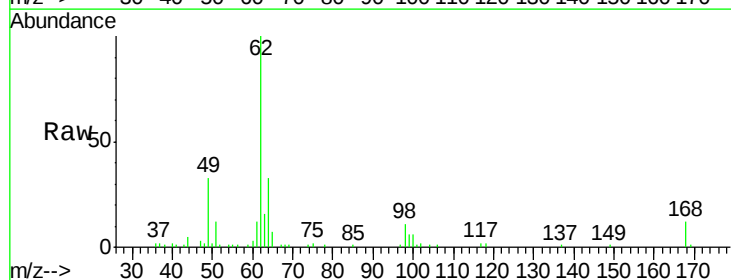
Instrument :
MSVOA_F
ClientSampleId :
VF0301SBS01

Tot Ion:	41	Resp:	19699
Ion	Ratio	Lower	Upper
41	100		
39	54.9	45.3	67.9
67	52.5	49.3	73.9
52	39.9	32.6	49.0



#42
1,2-Dichloroethane
Concen: 21.145 ug/l
RT: 4.93 min Scan# 436
Delta R.T. -0.03 min
Lab File: VF061804.D
Acq: 1 Mar 2019 15:55

Tgt Ion:	62	Resp:	56550
Ion	Ratio	Lower	Upper
62	100		
98	11.5	0.0	26.0





#43

Isopropyl Acetate

Concen: 19.881 ug/l

RT: 6.95 min Scan# 641

Delta R.T. -0.02 min

Lab File: VF061804.D

Acq: 1 Mar 2019 15:55

Instrument :

MSVOA_F

ClientSampleId :

VF0301SBS01

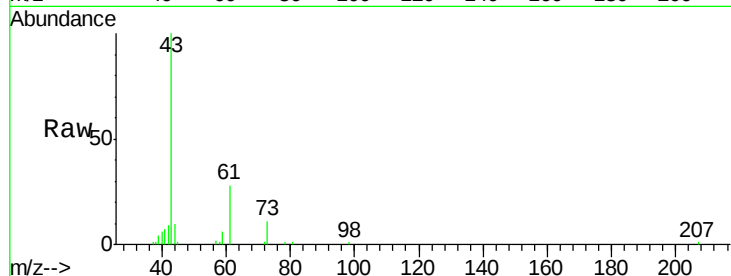
Tot Ion: 43 Resp: 46720

Ion Ratio Lower Upper

43 100

61 28.4 25.8 38.6

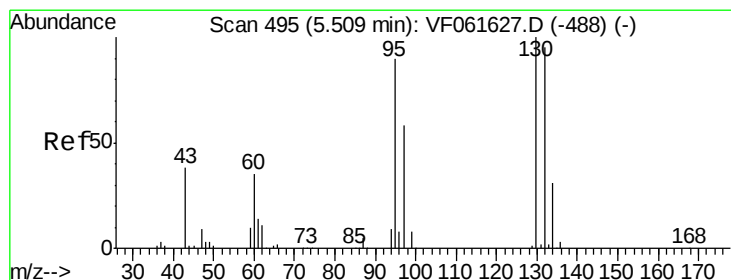
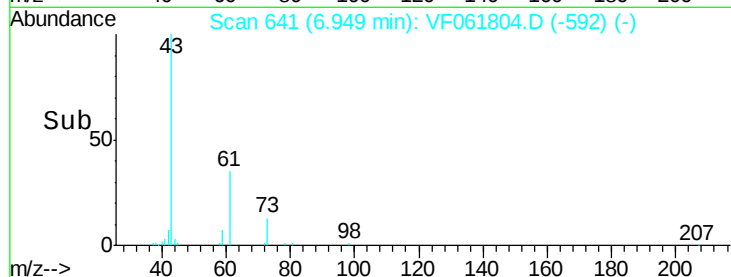
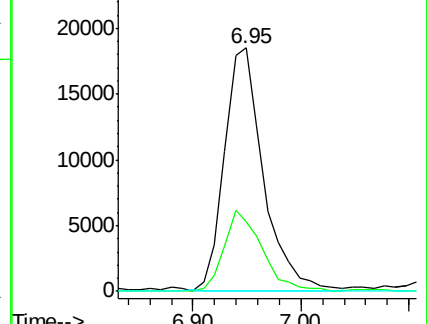
87 0.0 0.4 0.6#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0



#44

Trichloroethene

Concen: 22.624 ug/l

RT: 5.49 min Scan# 493

Delta R.T. -0.02 min

Lab File: VF061804.D

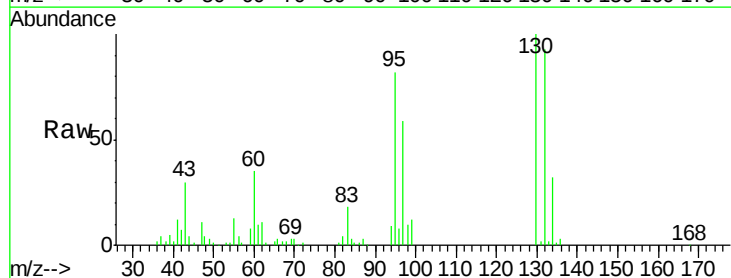
Acq: 1 Mar 2019 15:55

Tgt Ion: 130 Resp: 81797

Ion Ratio Lower Upper

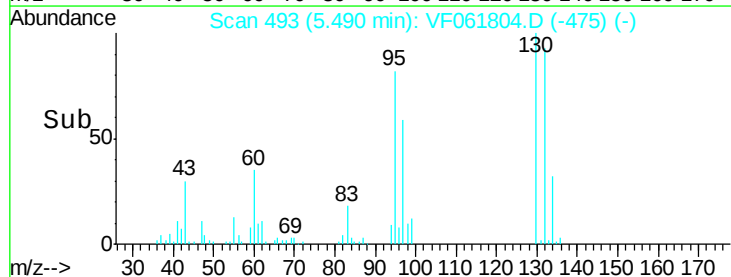
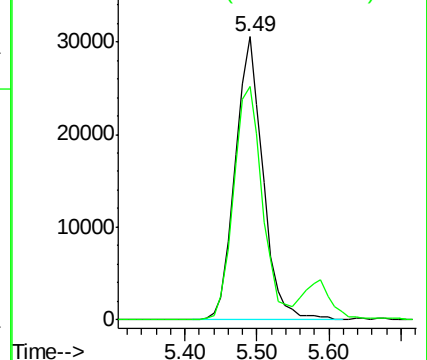
130 100

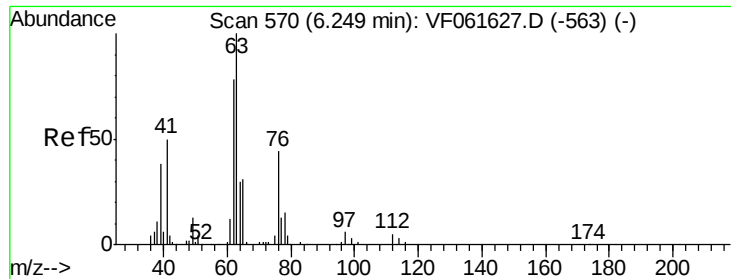
95 82.3 0.0 179.4



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 21.860 ug/l

RT: 6.22 min Scan# 567

Delta R.T. -0.03 min

Lab File: VF061804.D

Acq: 1 Mar 2019 15:55

Instrument :

MSVOA_F

ClientSampleId :

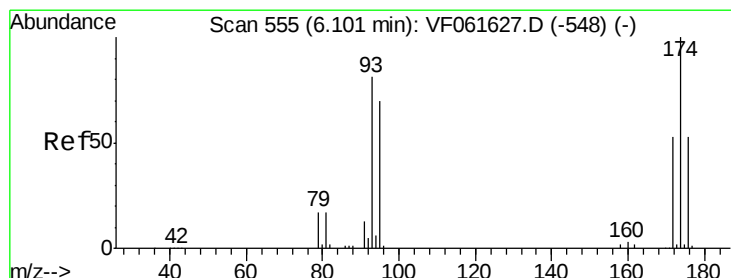
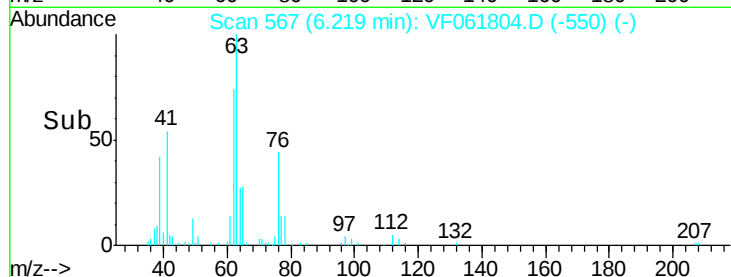
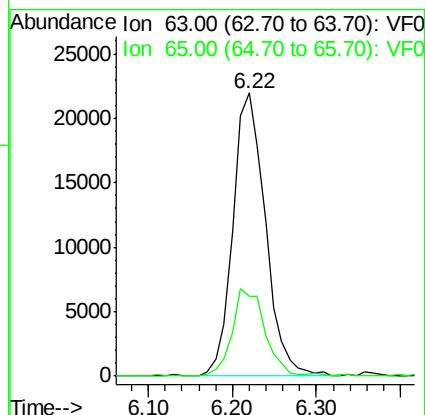
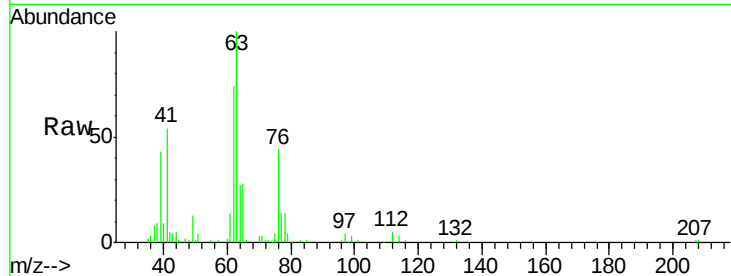
VF0301SBSD01

Tot Ion: 63 Resp: 59077

Ion Ratio Lower Upper

63 100

65 28.4 24.9 37.3



#46

Dibromomethane

Concen: 21.255 ug/l

RT: 6.07 min Scan# 552

Delta R.T. -0.03 min

Lab File: VF061804.D

Acq: 1 Mar 2019 15:55

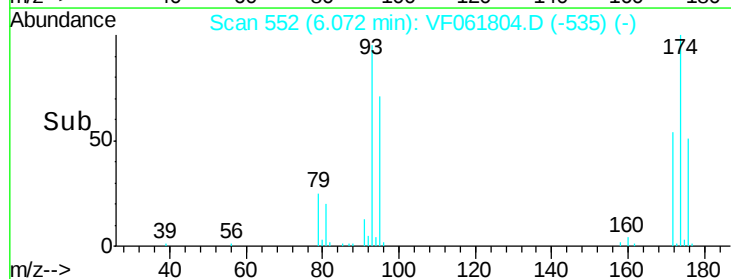
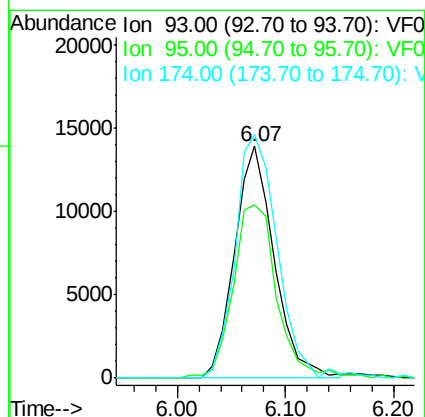
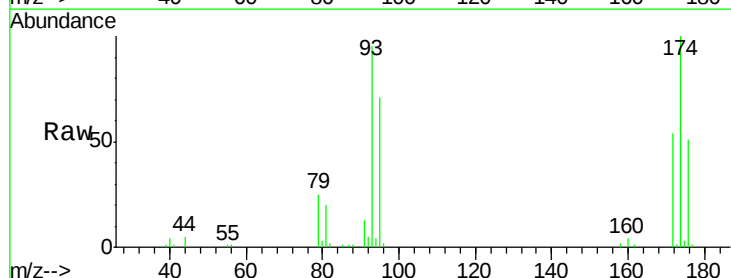
Tgt Ion: 93 Resp: 35367

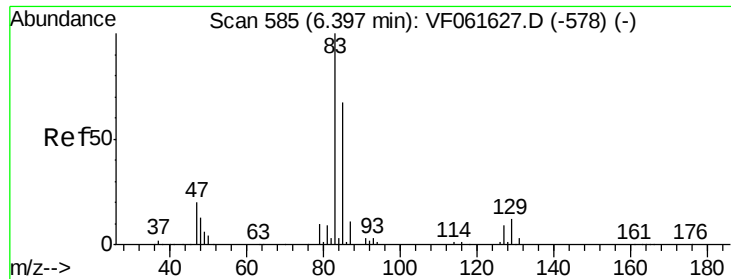
Ion Ratio Lower Upper

93 100

95 74.8 69.0 103.6

174 105.1 99.3 148.9





#47

Bromodichloromethane

Concen: 22.329 ug/l

RT: 6.37 min Scan# 582

Delta R.T. -0.03 min

Lab File: VF061804.D

Acq: 1 Mar 2019 15:55

Instrument :

MSVOA_F

ClientSampleId :

VF0301SBS01

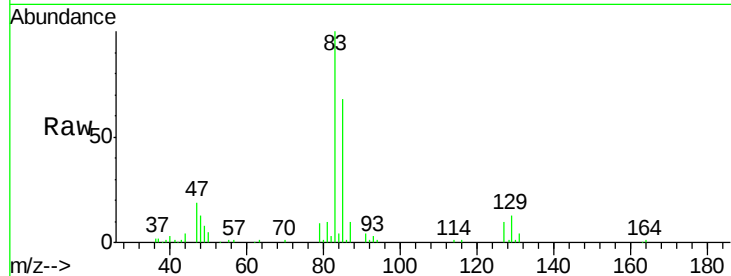
Tot Ion: 83 Resp: 81364

Ion Ratio Lower Upper

83 100

85 68.3 53.4 80.2

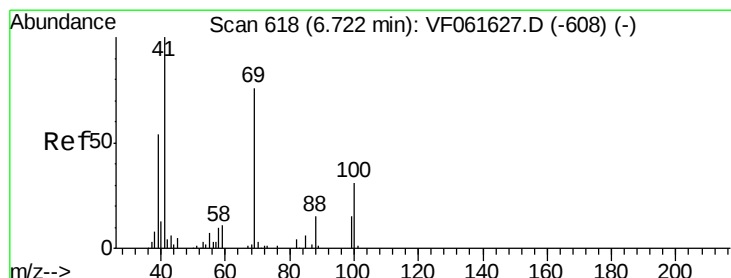
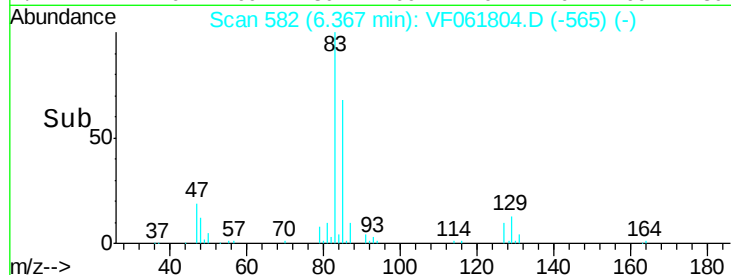
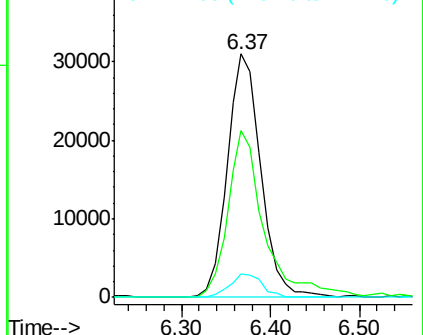
127 9.7 7.5 11.3



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: 18.063 ug/l

RT: 6.70 min Scan# 616

Delta R.T. -0.02 min

Lab File: VF061804.D

Acq: 1 Mar 2019 15:55

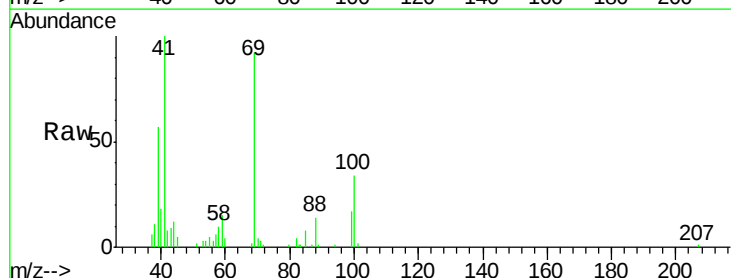
Tgt Ion: 41 Resp: 25545

Ion Ratio Lower Upper

41 100

69 92.3 60.4 90.6#

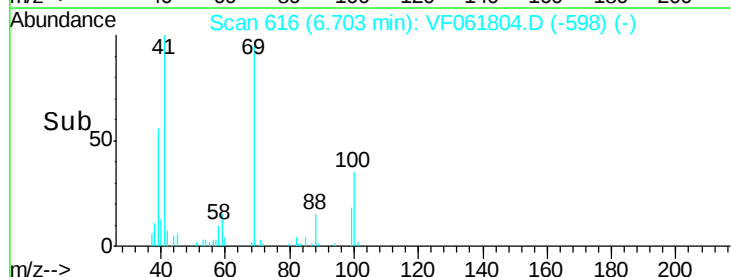
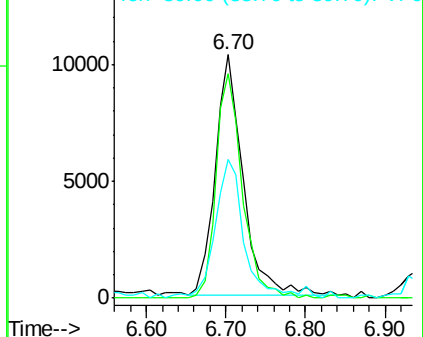
39 57.0 43.7 65.5

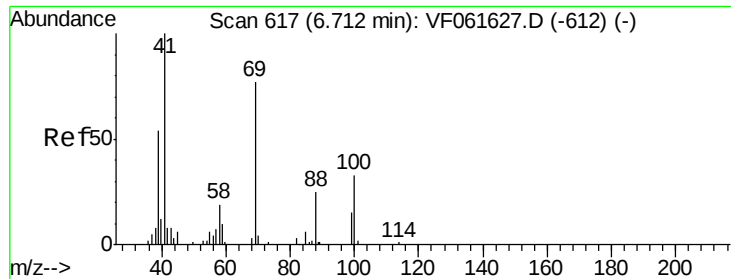


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

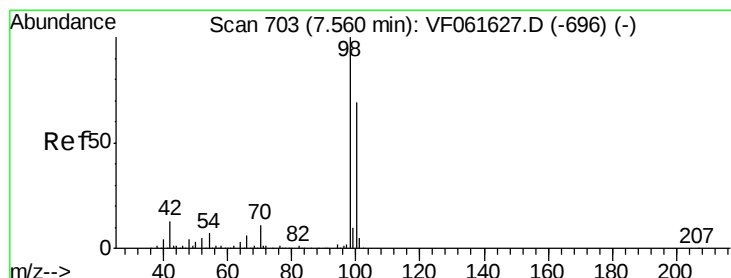
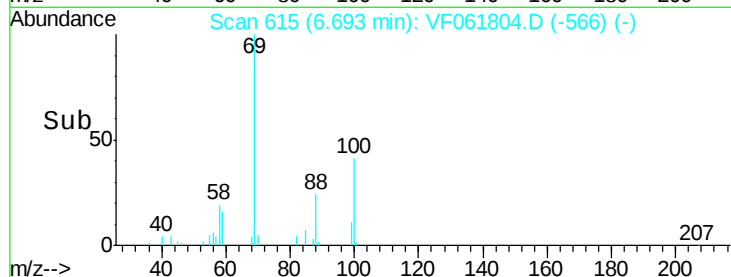
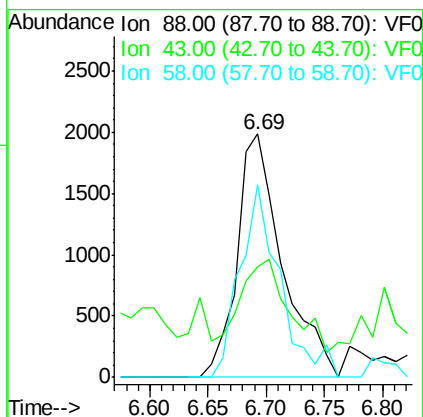
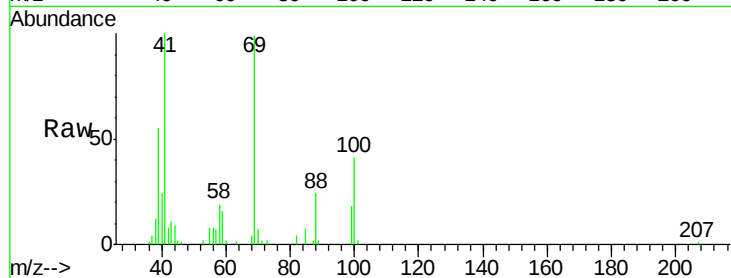




#49
1,4-Dioxane
Concen: 401.673 ug/l
RT: 6.69 min Scan# 615
Delta R.T. -0.02 min
Lab File: VF061804.D
Acq: 1 Mar 2019 15:55

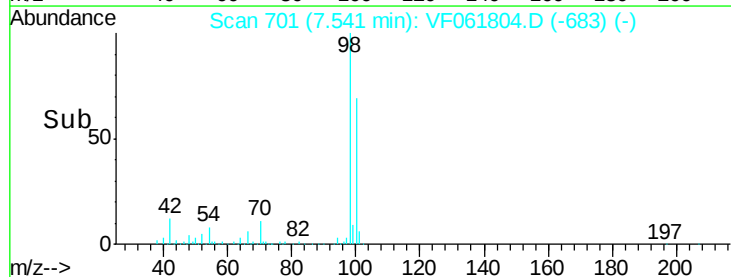
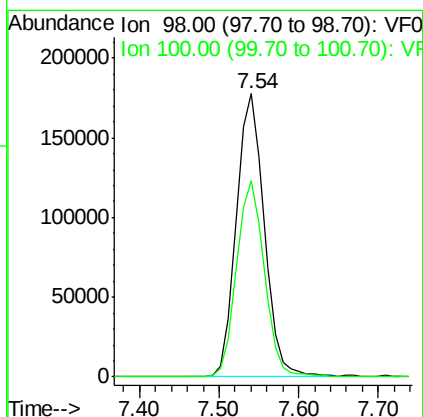
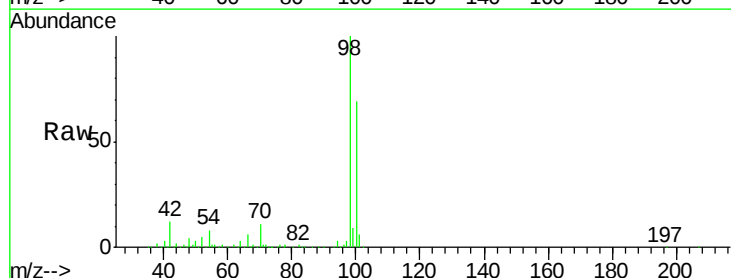
Instrument :
MSVOA_F
ClientSampleId :
VF0301SBS01

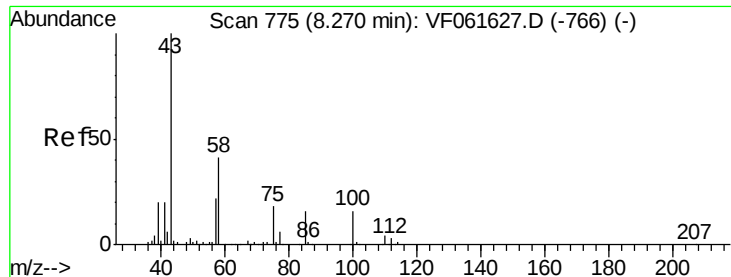
Tot Ion: 88 Resp: 5340
Ion Ratio Lower Upper
88 100
43 45.4 32.3 48.5
58 79.0 59.4 89.2



#50
Toluene-d8
Concen: 47.009 ug/l
RT: 7.54 min Scan# 701
Delta R.T. -0.02 min
Lab File: VF061804.D
Acq: 1 Mar 2019 15:55

Tgt Ion: 98 Resp: 433013
Ion Ratio Lower Upper
98 100
100 69.3 55.4 83.2





#51

4-Methyl-2-Pentanone

Concen: 93.667 ug/l

RT: 8.24 min Scan# 772

Delta R.T. -0.03 min

Lab File: VF061804.D

Acq: 1 Mar 2019 15:55

Instrument :

MSVOA_F

ClientSampleId :

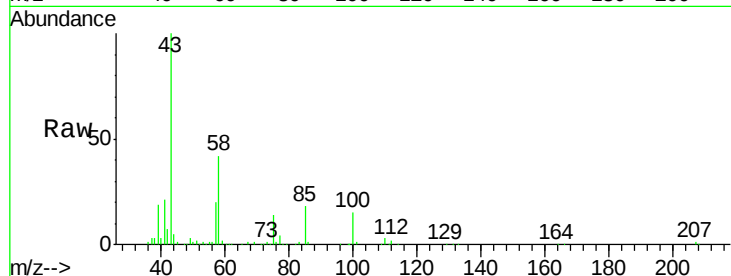
VF0301SBSD01

Tot Ion: 43 Resp: 157283

Ion Ratio Lower Upper

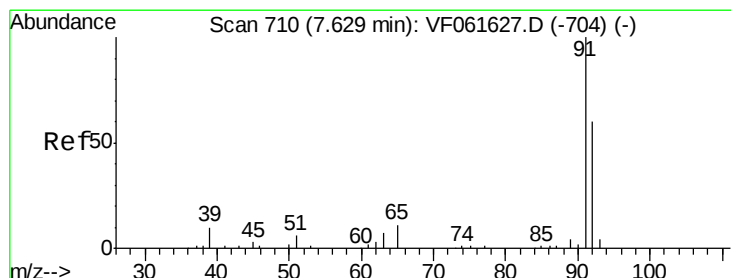
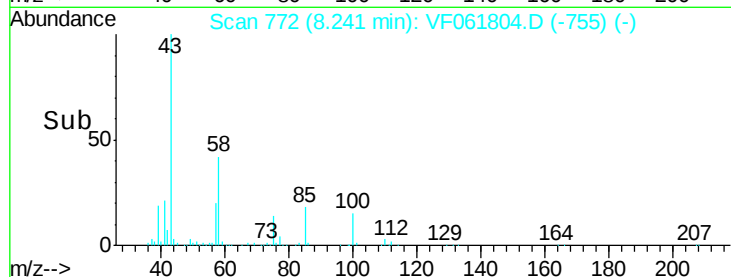
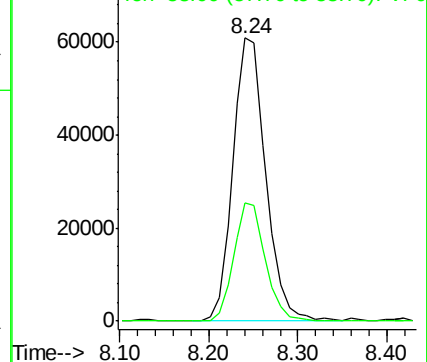
43 100

58 41.6 33.1 49.7



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 21.687 ug/l

RT: 7.61 min Scan# 708

Delta R.T. -0.02 min

Lab File: VF061804.D

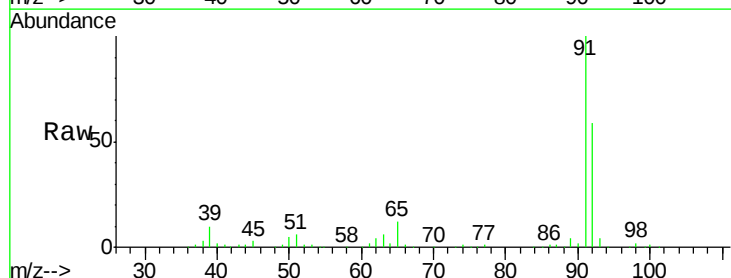
Acq: 1 Mar 2019 15:55

Tgt Ion: 92 Resp: 147055

Ion Ratio Lower Upper

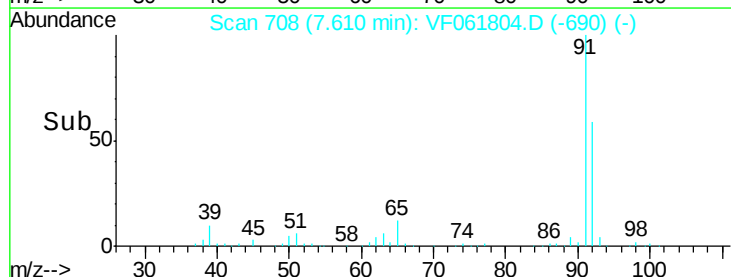
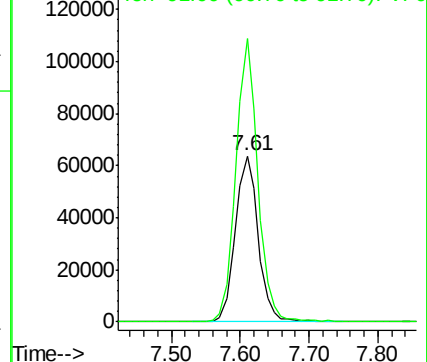
92 100

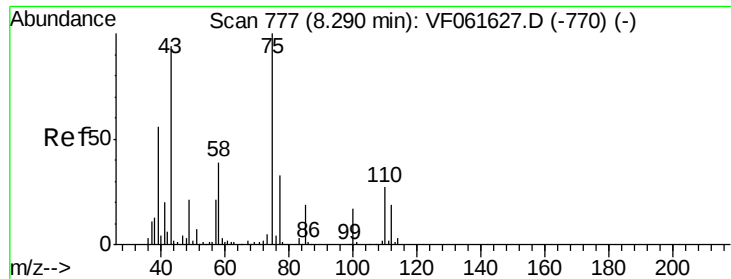
91 170.3 133.9 200.9



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

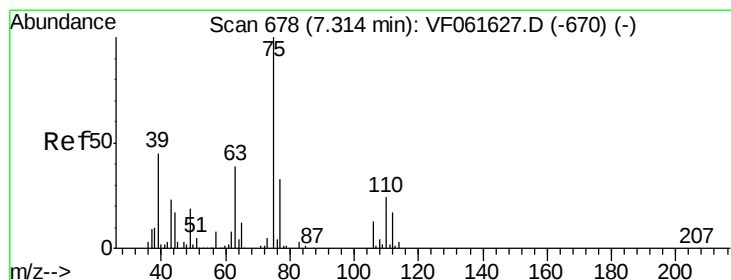
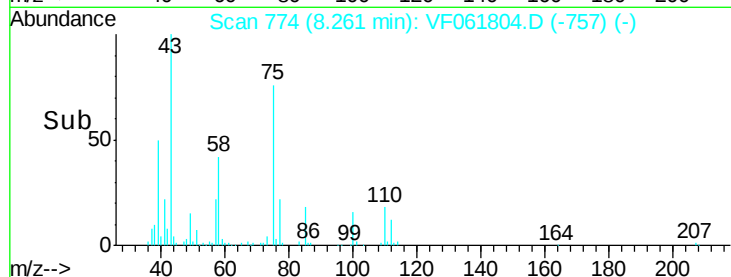
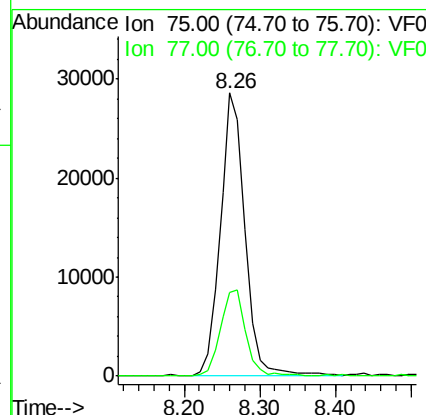
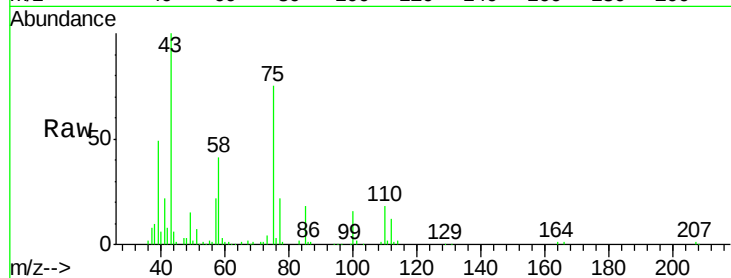




#53
 t-1,3-Dichloropropene
 Concen: 21.558 ug/l
 RT: 8.26 min Scan# 774
 Delta R.T. -0.03 min
 Lab File: VF061804.D
 Acq: 1 Mar 2019 15:55

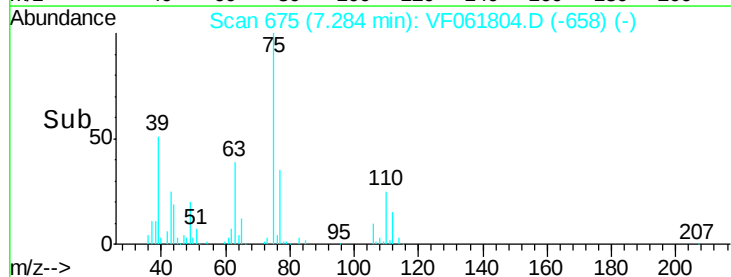
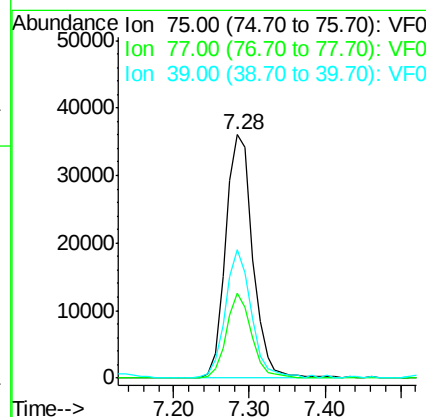
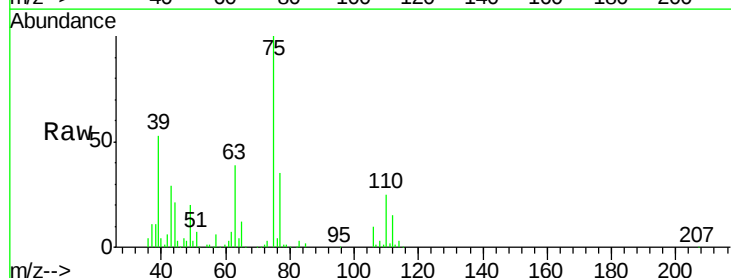
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0301SBSD01

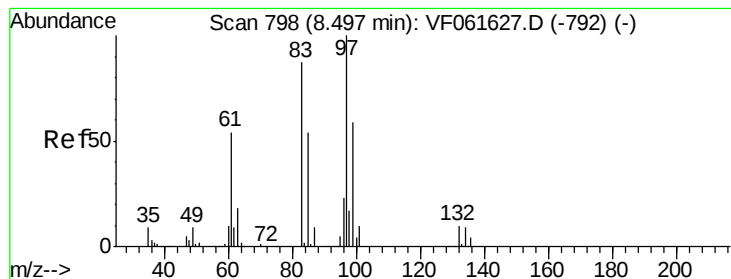
Tot Ion: 75 Resp: 65377
 Ion Ratio Lower Upper
 75 100
 77 29.5 26.2 39.2



#54
 cis-1,3-Dichloropropene
 Concen: 22.283 ug/l
 RT: 7.28 min Scan# 675
 Delta R.T. -0.03 min
 Lab File: VF061804.D
 Acq: 1 Mar 2019 15:55

Tgt Ion: 75 Resp: 90012
 Ion Ratio Lower Upper
 75 100
 77 35.1 26.4 39.6
 39 52.5 36.0 54.0





#55

1,1,2-Trichloroethane

Concen: 19.802 ug/l

RT: 8.48 min Scan# 796

Delta R.T. -0.02 min

Lab File: VF061804.D

Acq: 1 Mar 2019 15:55

Instrument :

MSVOA_F

ClientSampleId :

VF0301SBS01

Tot Ion: 97 Resp: 39451

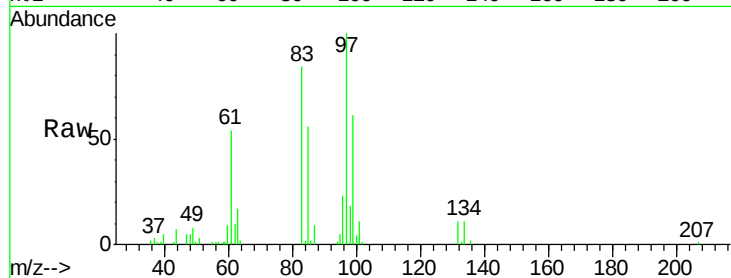
Ion Ratio Lower Upper

97 100

83 84.1 69.2 103.8

85 56.1 43.0 64.4

99 61.2 47.2 70.8

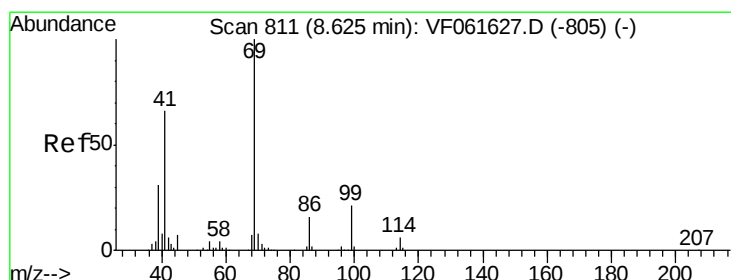
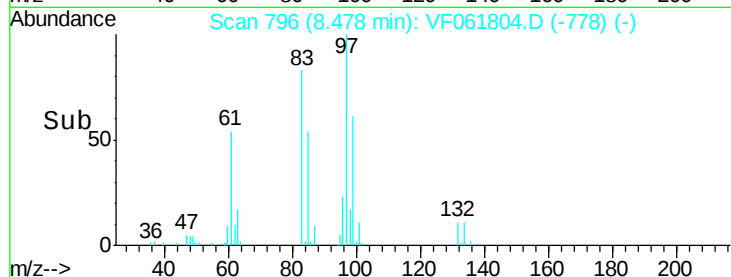
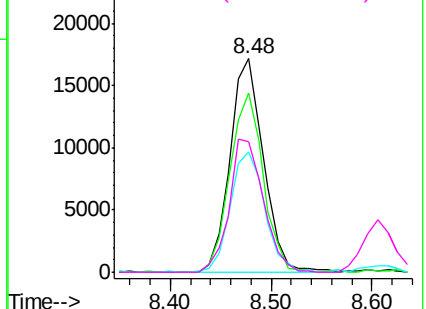


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 19.841 ug/l

RT: 8.61 min Scan# 809

Delta R.T. -0.02 min

Lab File: VF061804.D

Acq: 1 Mar 2019 15:55

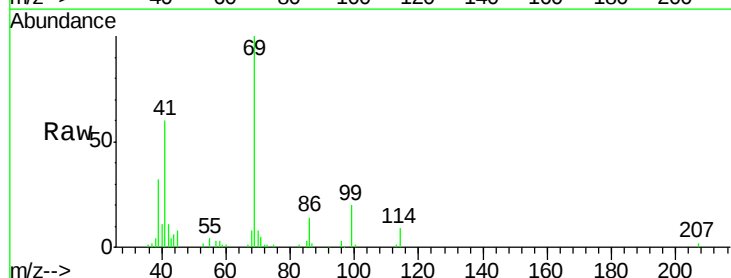
Tgt Ion: 69 Resp: 44008

Ion Ratio Lower Upper

69 100

41 60.4 52.9 79.3

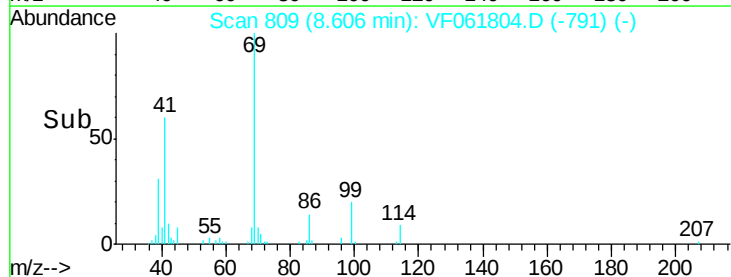
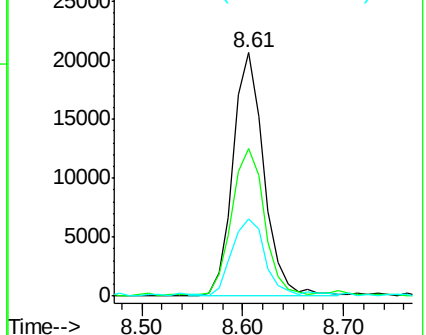
39 31.9 24.5 36.7

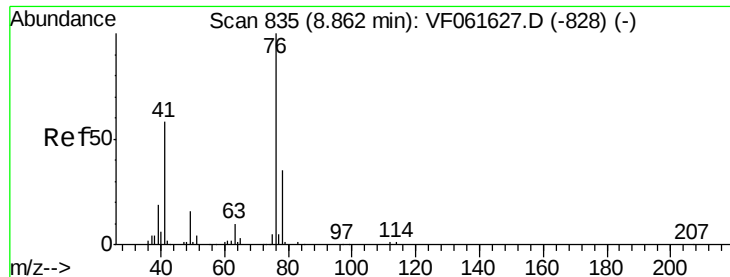


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 21.128 ug/l

RT: 8.83 min Scan# 832

Delta R.T. -0.03 min

Lab File: VF061804.D

Acq: 1 Mar 2019 15:55

Instrument :

MSVOA_F

ClientSampleId :

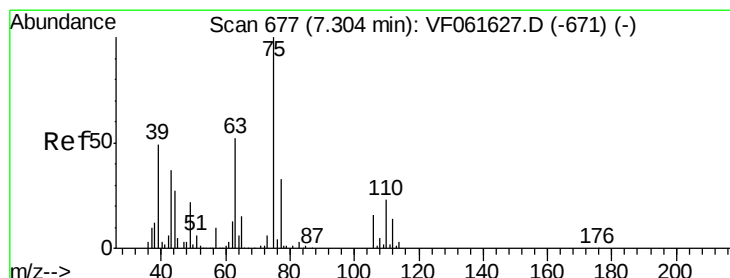
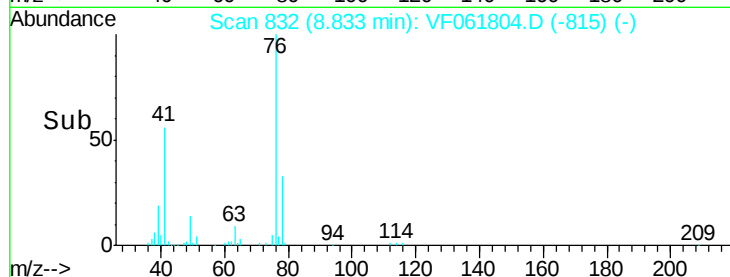
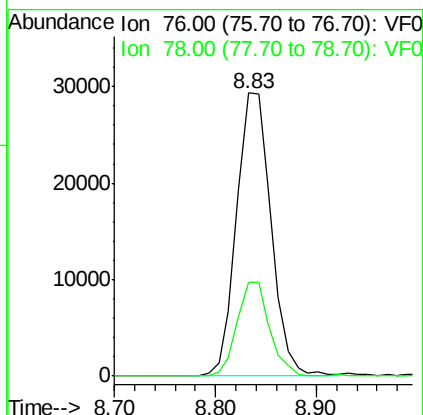
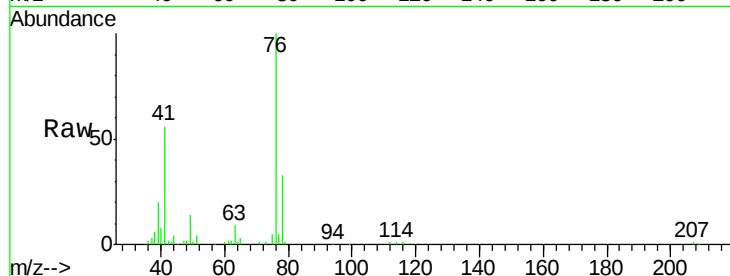
VF0301SBSD01

Tot Ion: 76 Resp: 70256

Ion Ratio Lower Upper

76 100

78 33.2 27.8 41.6



#58

2-Chloroethyl Vinyl ether

Concen: 88.869 ug/l

RT: 7.28 min Scan# 675

Delta R.T. -0.02 min

Lab File: VF061804.D

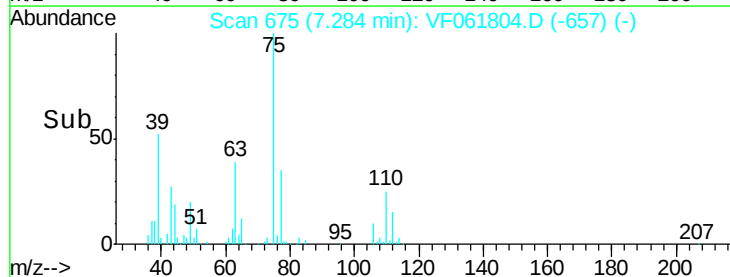
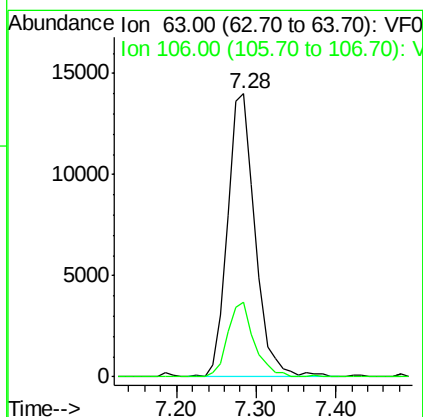
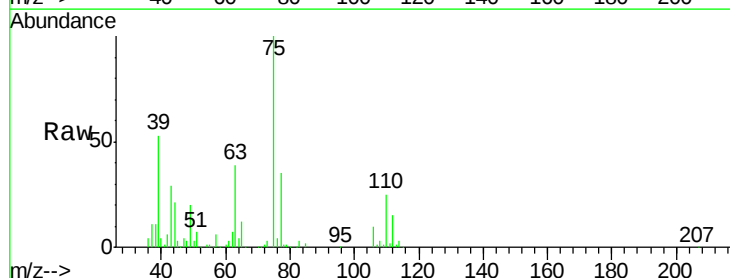
Acq: 1 Mar 2019 15:55

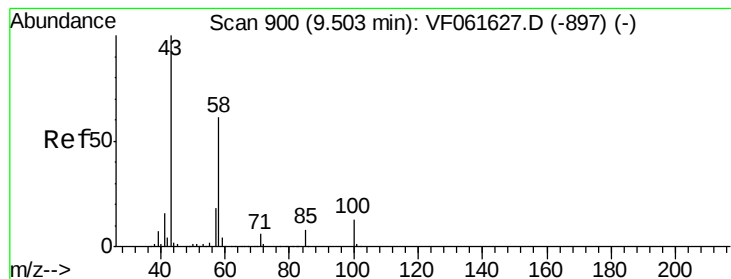
Tgt Ion: 63 Resp: 34010

Ion Ratio Lower Upper

63 100

106 26.2 24.6 36.8





#59

2-Hexanone

Concen: 103.794 ug/l

RT: 9.47 min Scan# 897

Delta R.T. -0.03 min

Lab File: VF061804.D

Acq: 1 Mar 2019 15:55

Instrument :

MSVOA_F

ClientSampleId :

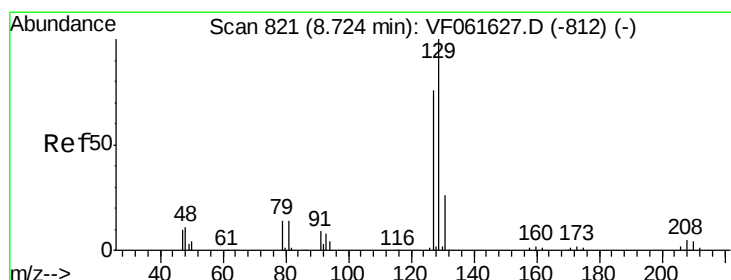
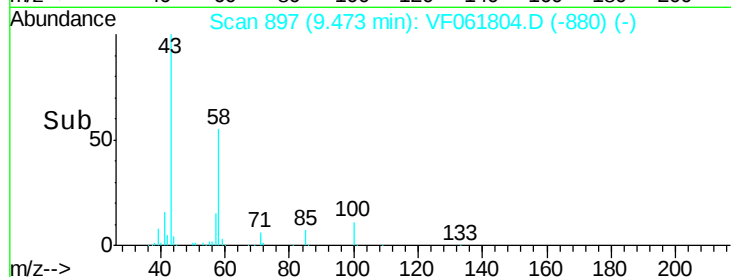
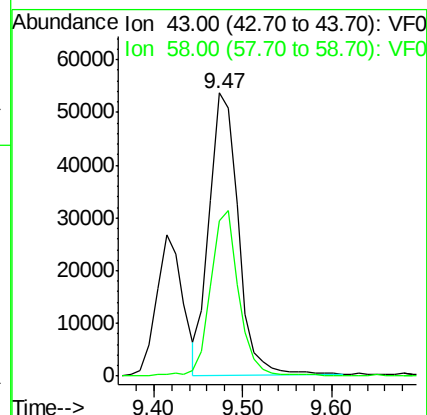
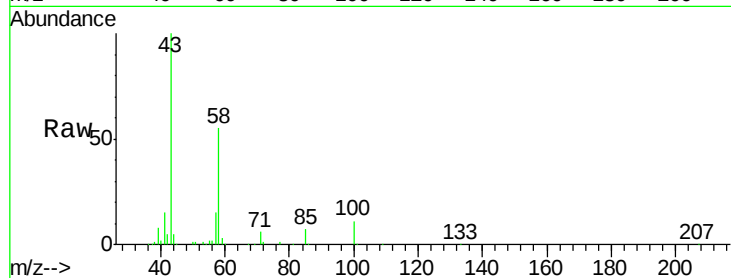
VF0301SBSD01

Tot Ion: 43 Resp: 122171

Ion Ratio Lower Upper

43 100

58 54.9 28.5 85.5



#60

Dibromochloromethane

Concen: 21.041 ug/l

RT: 8.70 min Scan# 819

Delta R.T. -0.02 min

Lab File: VF061804.D

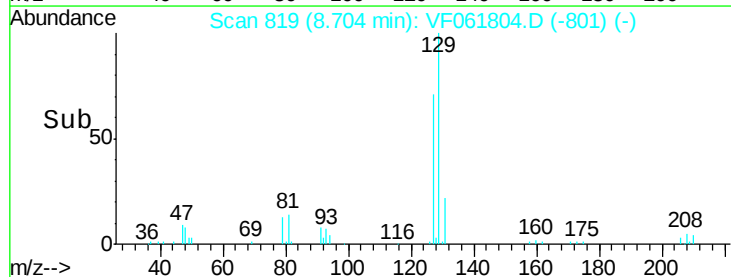
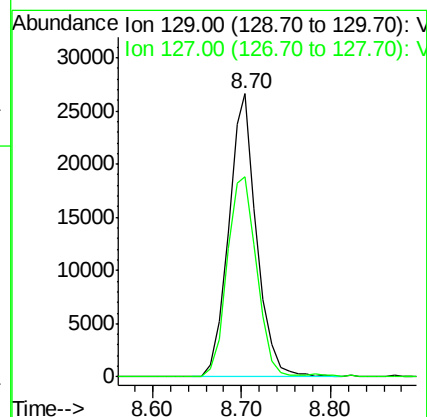
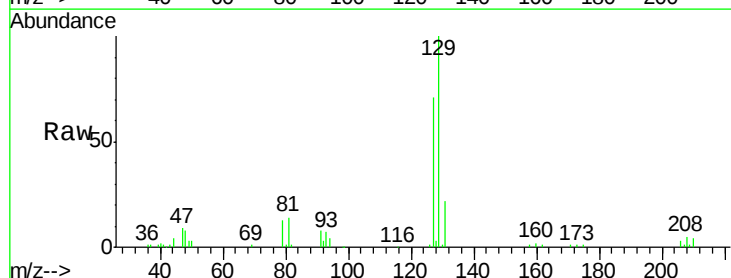
Acq: 1 Mar 2019 15:55

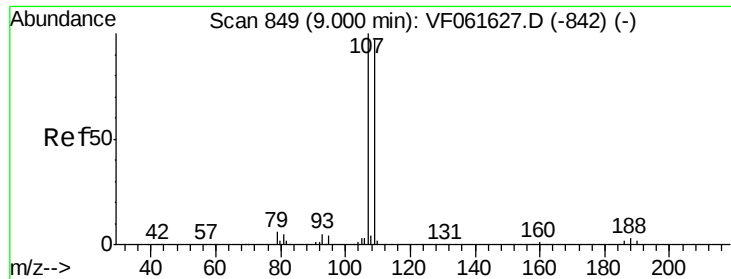
Tgt Ion: 129 Resp: 58345

Ion Ratio Lower Upper

129 100

127 70.7 37.8 113.4





#61

1,2-Dibromoethane

Concen: 20.489 ug/l

RT: 8.97 min Scan# 846

Delta R.T. -0.03 min

Lab File: VF061804.D

Acq: 1 Mar 2019 15:55

Instrument :

MSVOA_F

ClientSampleId :

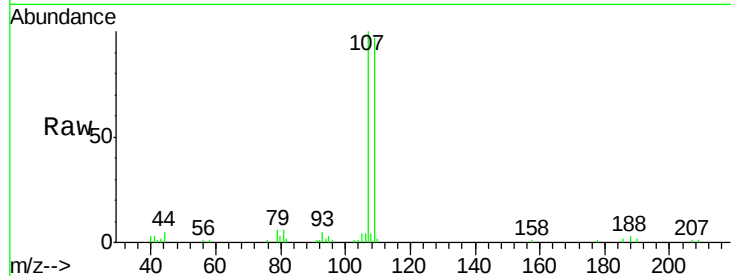
VF0301SBSD01

Tot Ion:107 Resp: 44274

Ion Ratio Lower Upper

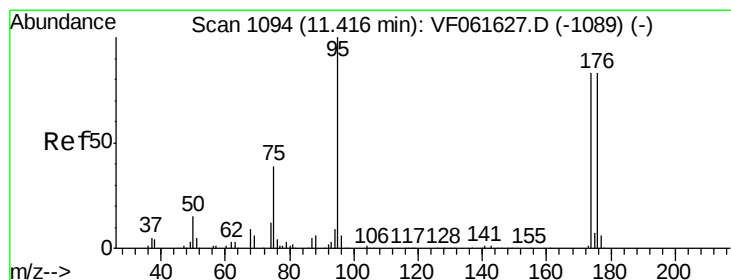
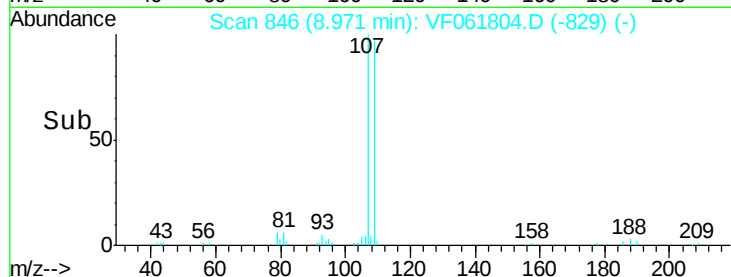
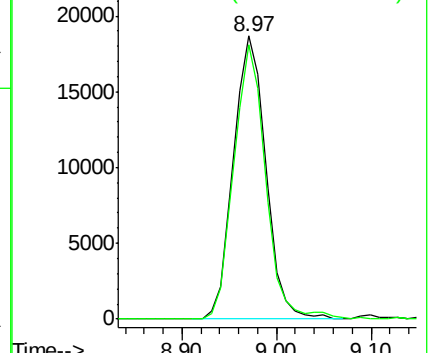
107 100

109 97.0 77.4 116.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 46.617 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.02 min

Lab File: VF061804.D

Acq: 1 Mar 2019 15:55

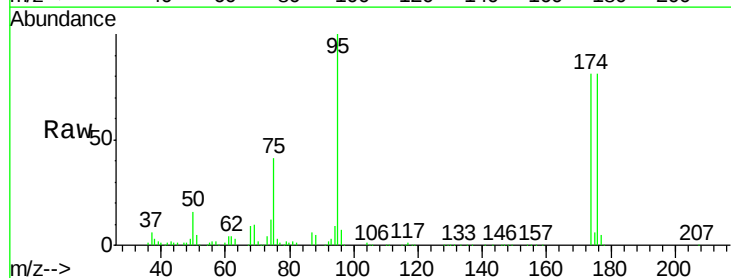
Tgt Ion: 95 Resp: 173742

Ion Ratio Lower Upper

95 100

174 80.8 0.0 165.8

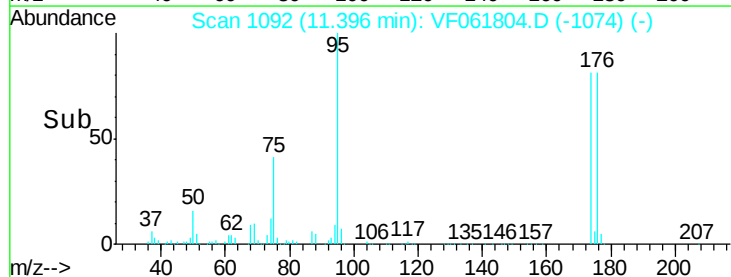
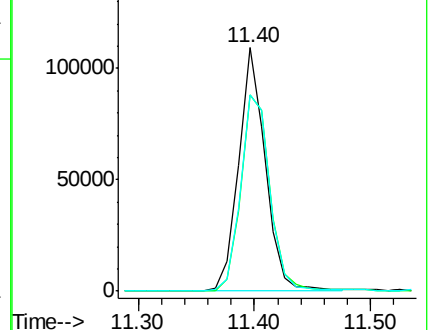
176 80.5 0.0 167.0

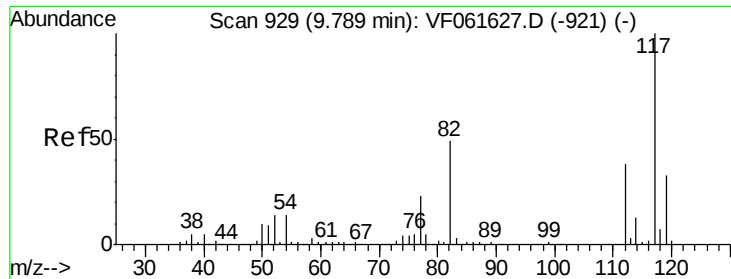


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

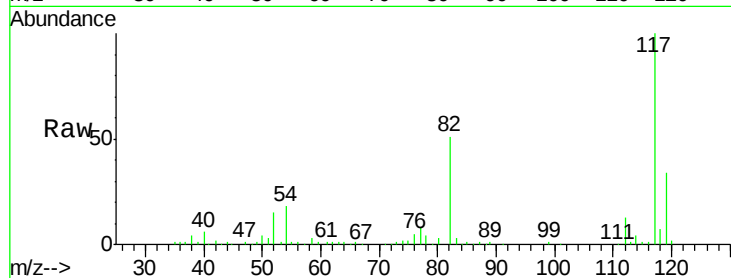




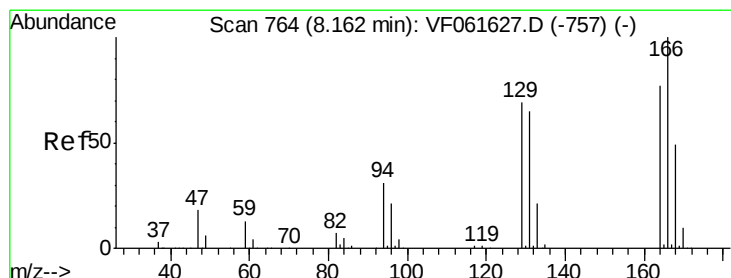
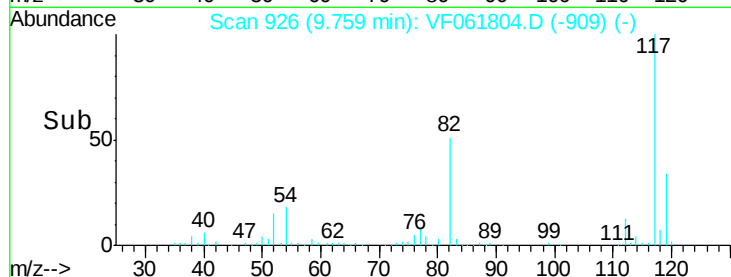
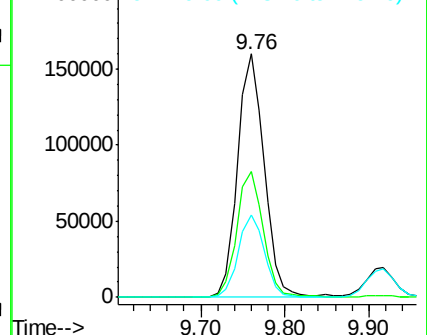
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.76 min Scan# 926
Delta R.T. -0.03 min
Lab File: VF061804.D
Acq: 1 Mar 2019 15:55

Instrument :
MSVOA_F
ClientSampleId :
VF0301SBS01

Tot Ion:117 Resp: 355067
Ion Ratio Lower Upper
117 100
82 51.5 39.3 58.9
119 33.8 26.6 40.0

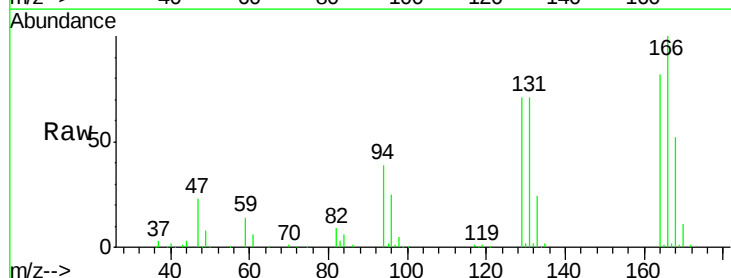


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

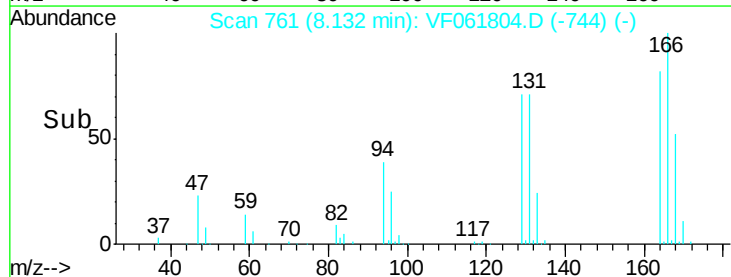
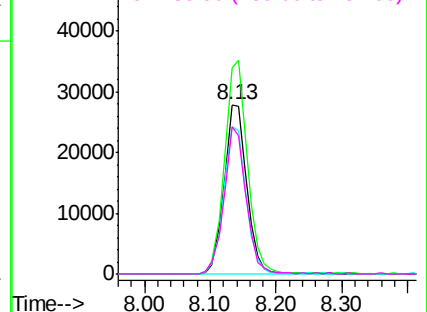


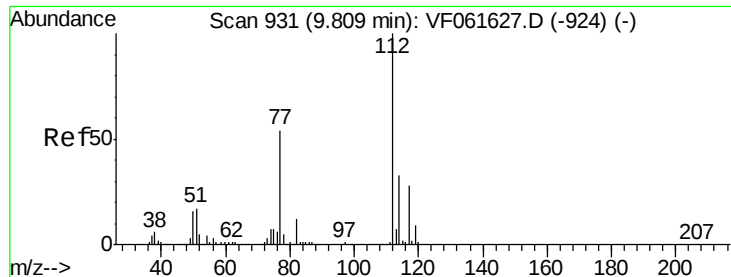
#64
Tetrachloroethene
Concen: 23.158 ug/l
RT: 8.13 min Scan# 761
Delta R.T. -0.03 min
Lab File: VF061804.D
Acq: 1 Mar 2019 15:55

Tgt Ion:164 Resp: 67210
Ion Ratio Lower Upper
164 100
166 121.7 103.9 155.9
129 86.7 71.3 106.9
131 86.5 67.1 100.7



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

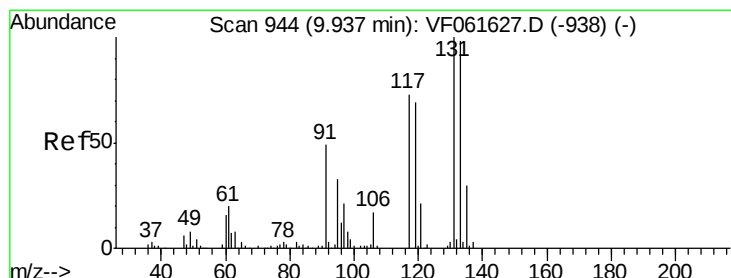
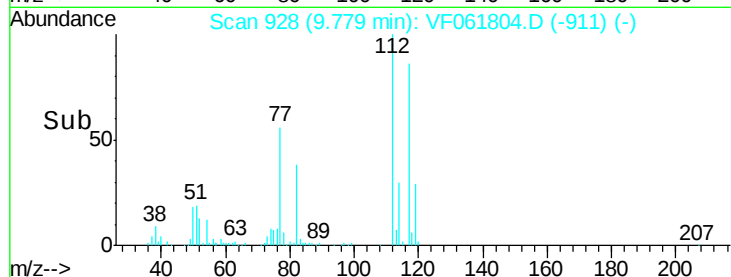
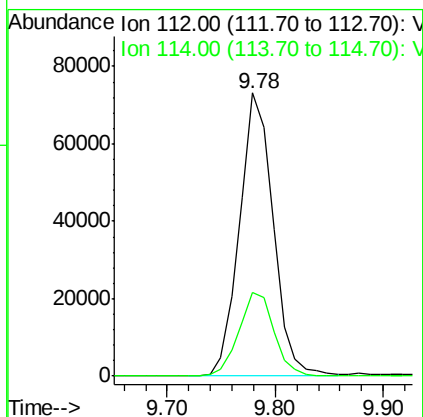
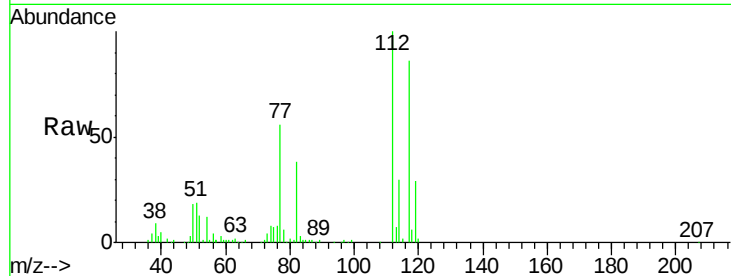




#65
Chlorobenzene
Concen: 22.068 ug/l
RT: 9.78 min Scan# 928
Delta R.T. -0.03 min
Lab File: VF061804.D
Acq: 1 Mar 2019 15:55

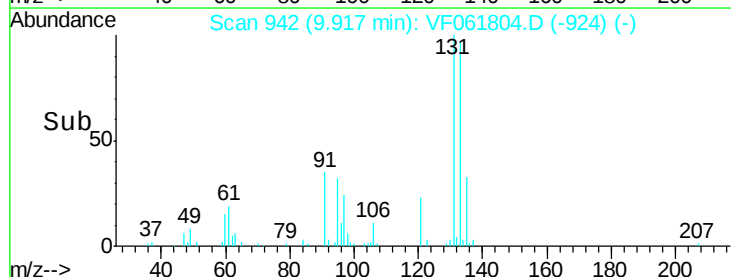
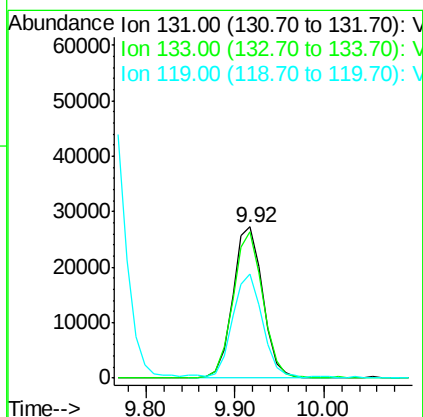
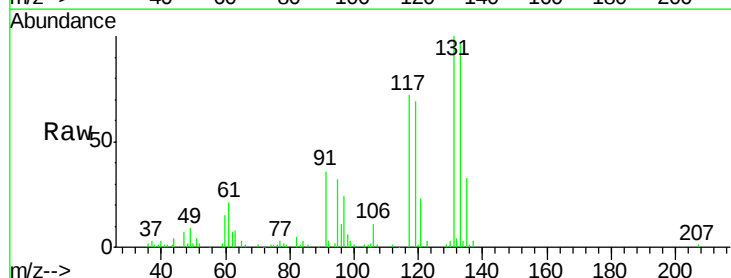
Instrument :
MSVOA_F
ClientSampleId :
VF0301SBS01

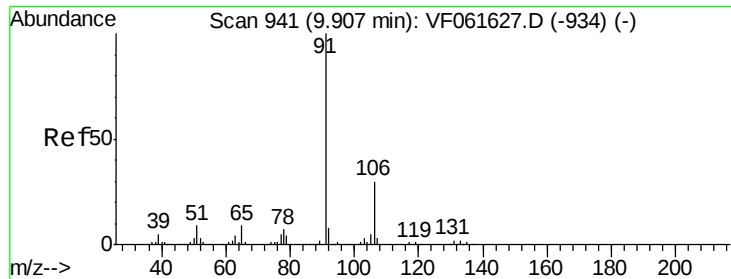
Tot Ion:112 Resp: 159005
Ion Ratio Lower Upper
112 100
114 29.6 26.2 39.2



#66
1,1,1,2-Tetrachloroethane
Concen: 22.663 ug/l
RT: 9.92 min Scan# 942
Delta R.T. -0.02 min
Lab File: VF061804.D
Acq: 1 Mar 2019 15:55

Tgt Ion:131 Resp: 63984
Ion Ratio Lower Upper
131 100
133 96.6 48.9 146.6
119 69.0 34.8 104.3





#67

Ethyl Benzene

Concen: 22.743 ug/l

RT: 9.89 min Scan# 939

Delta R.T. -0.02 min

Lab File: VF061804.D

Acq: 1 Mar 2019 15:55

Instrument :

MSVOA_F

ClientSampleId :

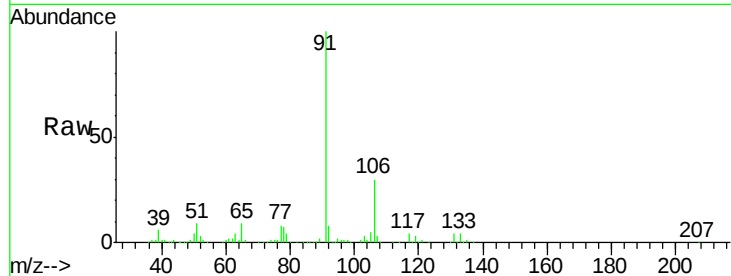
VF0301SBS01

Tot Ion: 91 Resp: 272505

Ion Ratio Lower Upper

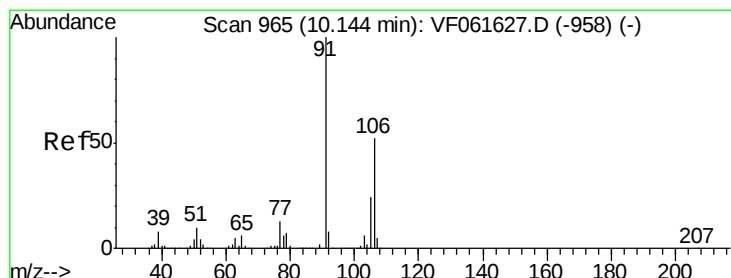
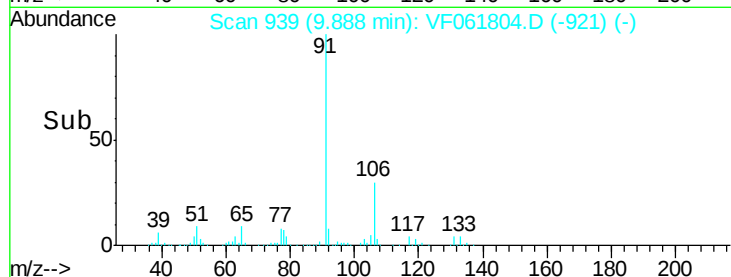
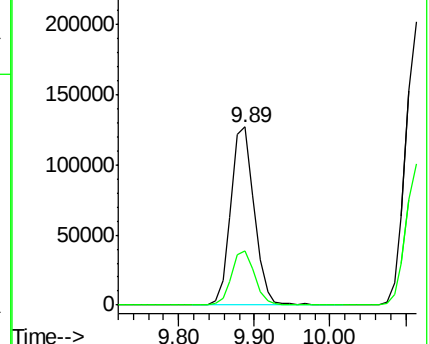
91 100

106 30.3 24.1 36.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 46.506 ug/l

RT: 10.11 min Scan# 962

Delta R.T. -0.03 min

Lab File: VF061804.D

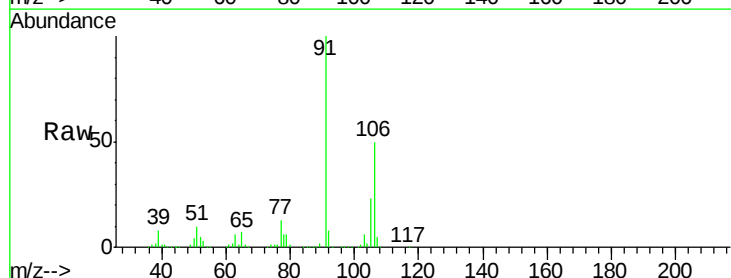
Acq: 1 Mar 2019 15:55

Tgt Ion: 106 Resp: 213264

Ion Ratio Lower Upper

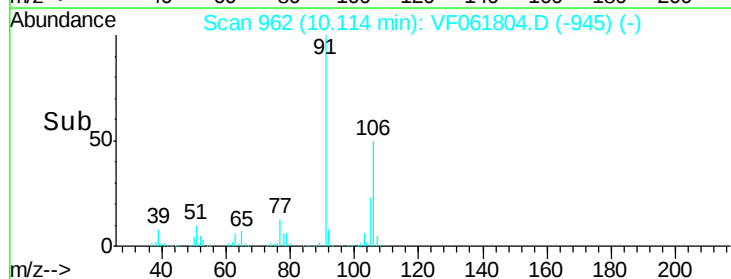
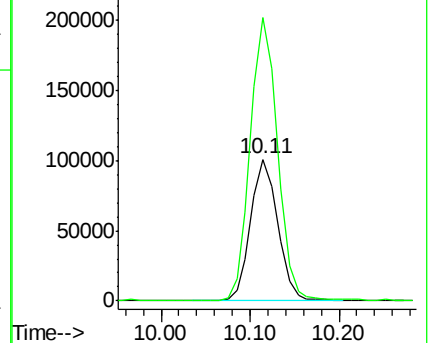
106 100

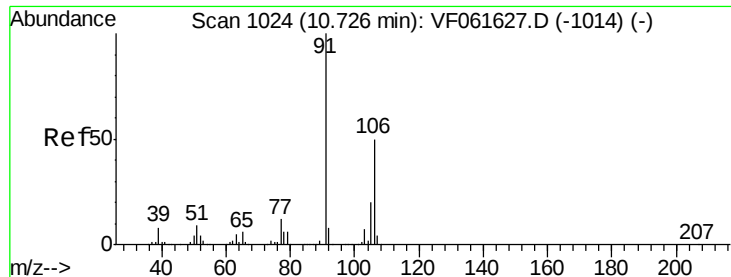
91 199.8 153.0 229.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

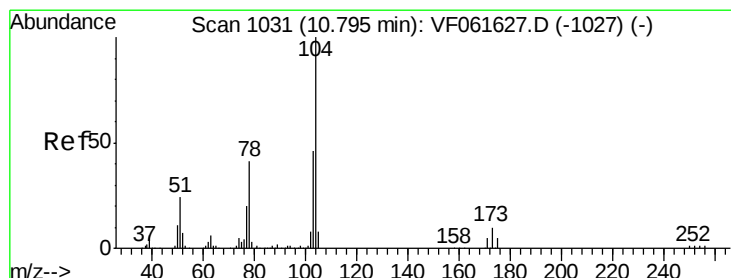
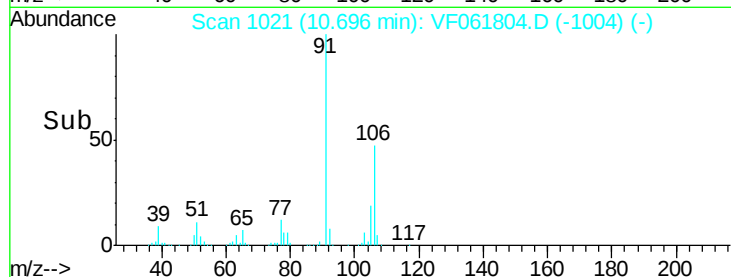
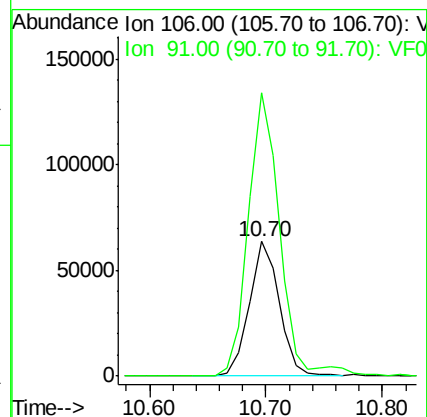
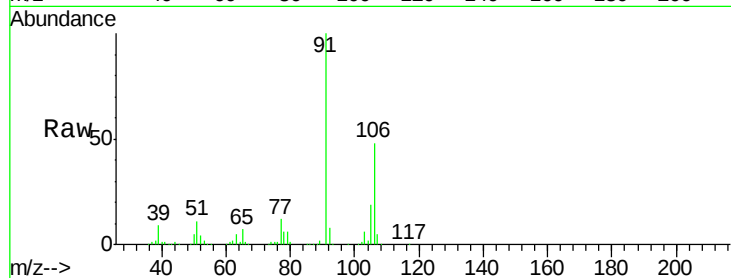




#69
o-Xylene
Concen: 23.186 ug/l
RT: 10.70 min Scan# 1021
Delta R.T. -0.03 min
Lab File: VF061804.D
Acq: 1 Mar 2019 15:55

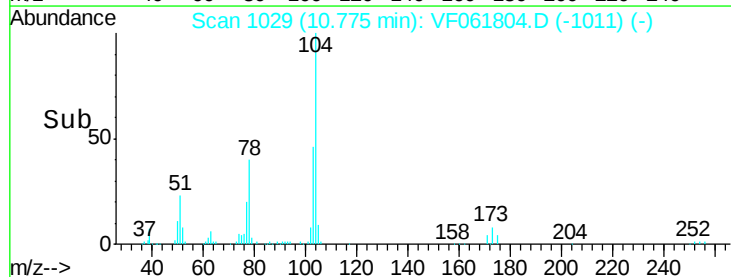
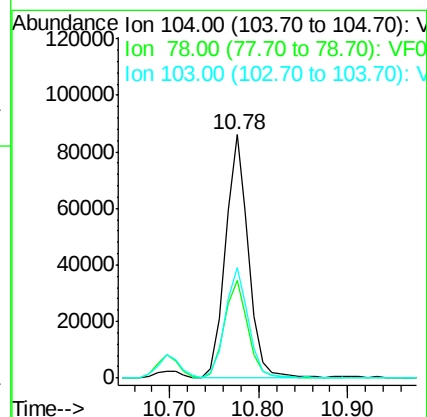
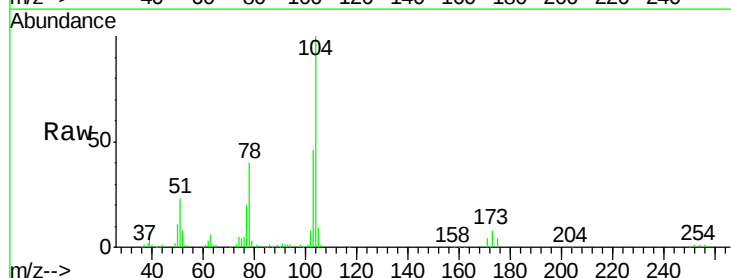
Instrument :
MSVOA_F
ClientSampleId :
VF0301SBS01

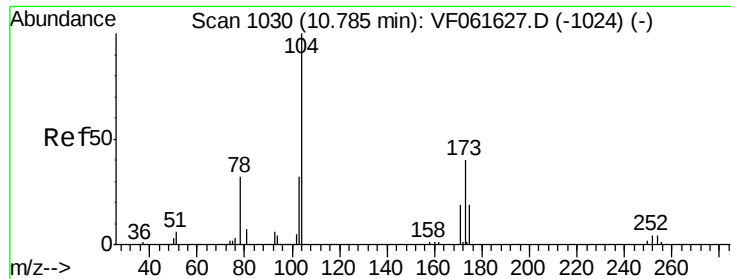
Tot Ion:106 Resp: 113453
Ion Ratio Lower Upper
106 100
91 210.4 100.1 300.1



#70
Styrene
Concen: 22.421 ug/l
RT: 10.78 min Scan# 1029
Delta R.T. -0.02 min
Lab File: VF061804.D
Acq: 1 Mar 2019 15:55

Tgt Ion:104 Resp: 155202
Ion Ratio Lower Upper
104 100
78 39.9 33.2 49.8
103 45.6 37.2 55.8





#71

Bromoform

Concen: 20.833 ug/l

RT: 10.76 min Scan# 1027

Delta R.T. -0.03 min

Lab File: VF061804.D

Acq: 1 Mar 2019 15:55

Instrument :

MSVOA_F

ClientSampleId :

VF0301SBSD01

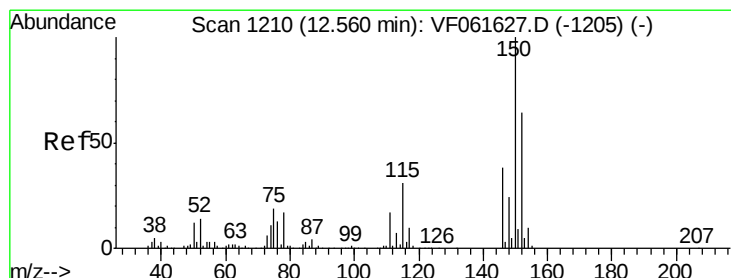
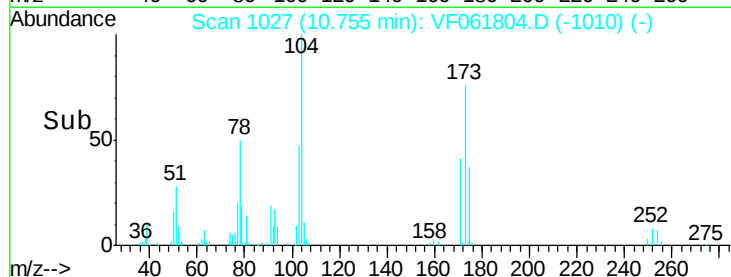
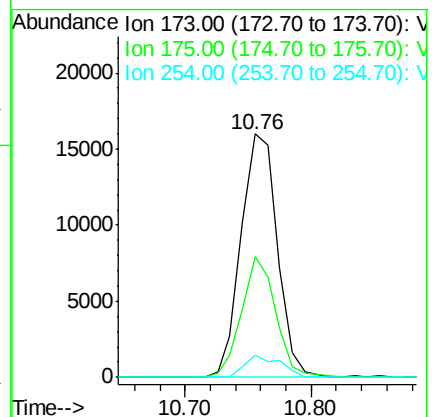
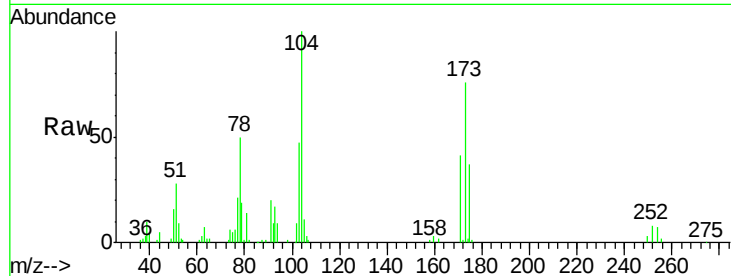
Tot Ion:173 Resp: 31940

Ion Ratio Lower Upper

173 100

175 49.5 24.0 72.0

254 9.2 8.2 12.2



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.54 min Scan# 1208

Delta R.T. -0.02 min

Lab File: VF061804.D

Acq: 1 Mar 2019 15:55

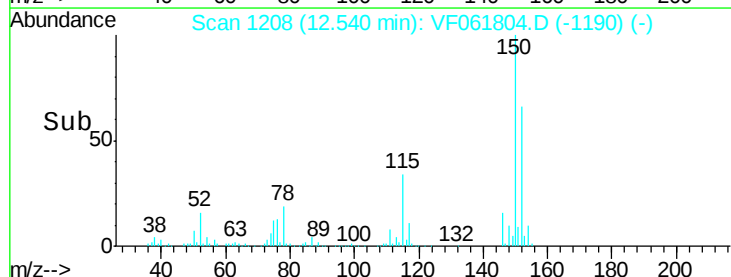
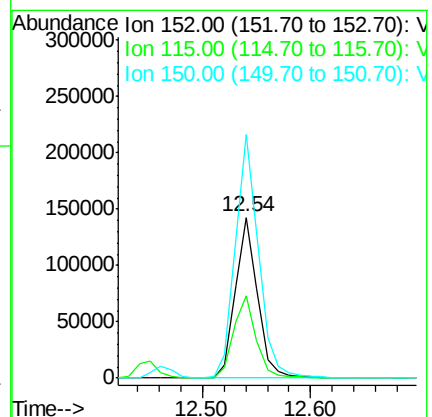
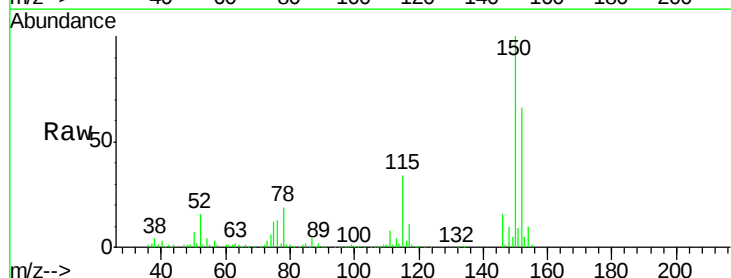
Tgt Ion:152 Resp: 205608

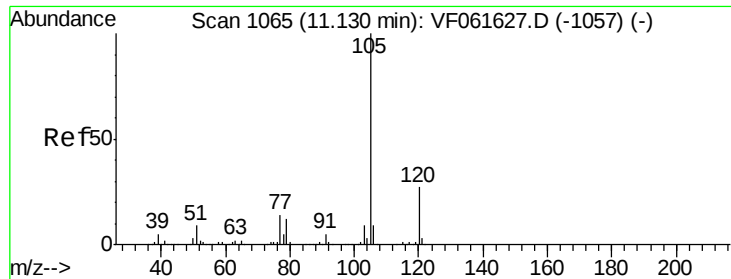
Ion Ratio Lower Upper

152 100

115 51.3 24.3 72.8

150 151.6 0.0 312.0





#73

Isopropylbenzene

Concen: 22.859 ug/l

RT: 11.11 min Scan# 1063

Delta R.T. -0.02 min

Lab File: VF061804.D

Acq: 1 Mar 2019 15:55

Instrument :

MSVOA_F

ClientSampleId :

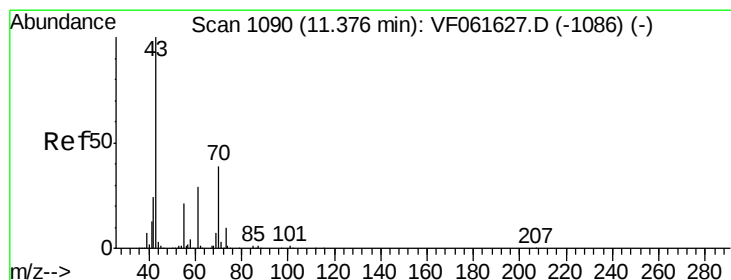
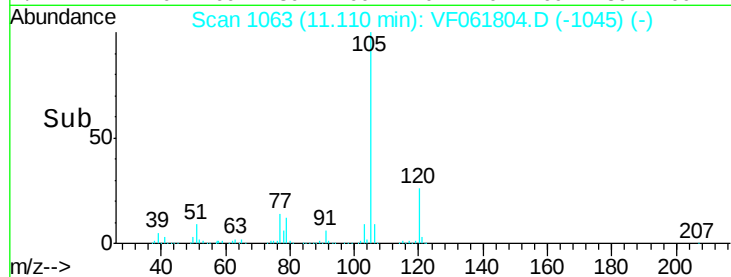
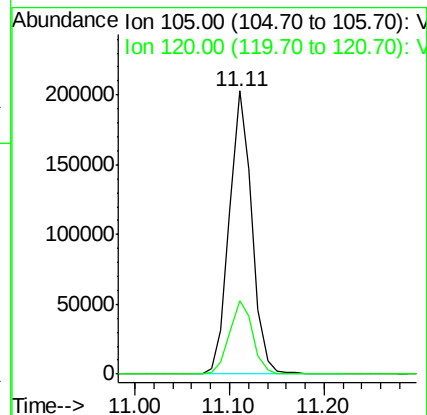
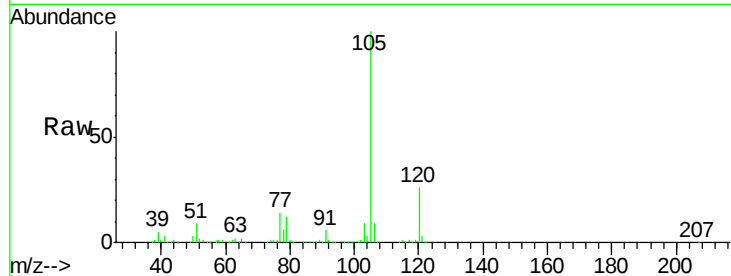
VF0301SBSD01

Tot Ion:105 Resp: 334627

Ion Ratio Lower Upper

105 100

120 25.8 13.4 40.1



#74

N-ethyl acetate

Concen: 19.911 ug/l

RT: 11.36 min Scan# 1088

Delta R.T. -0.02 min

Lab File: VF061804.D

Acq: 1 Mar 2019 15:55

Tgt Ion: 43 Resp: 69962

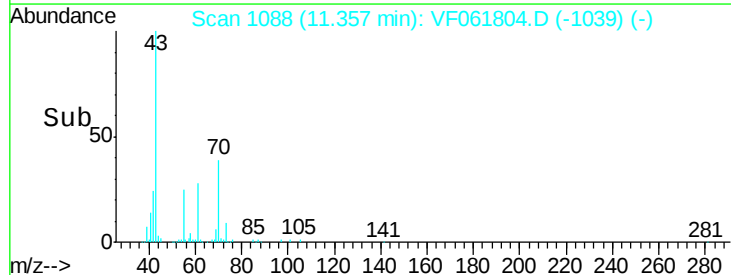
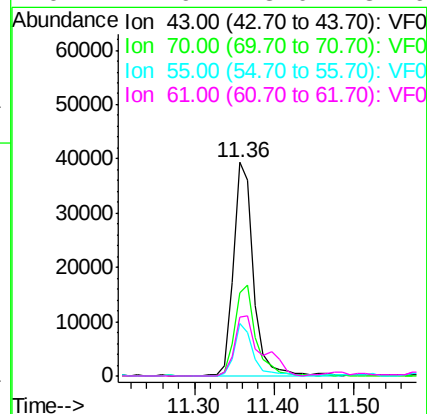
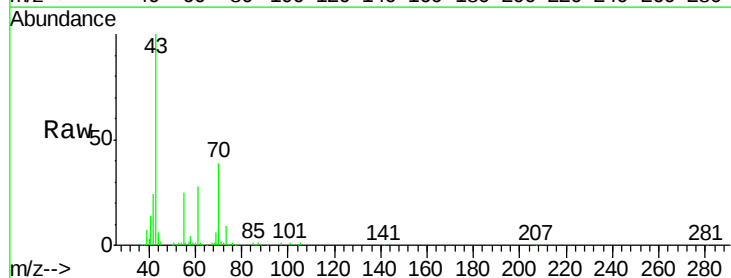
Ion Ratio Lower Upper

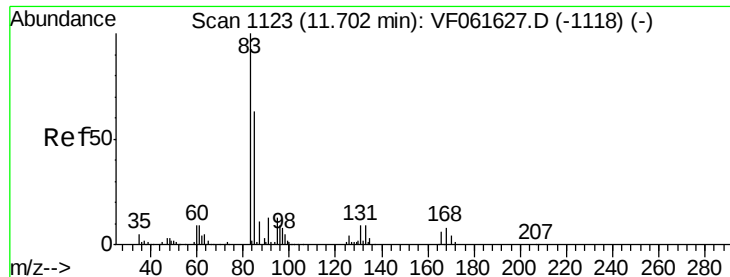
43 100

70 39.2 31.5 47.3

55 24.7 16.7 25.1

61 27.9 23.0 34.6





#75

1,1,2,2-Tetrachloroethane

Concen: 19.386 ug/l

RT: 11.68 min Scan# 1121

Delta R.T. -0.02 min

Lab File: VF061804.D

Acq: 1 Mar 2019 15:55

Instrument :

MSVOA_F

ClientSampleId :

VF0301SBSD01

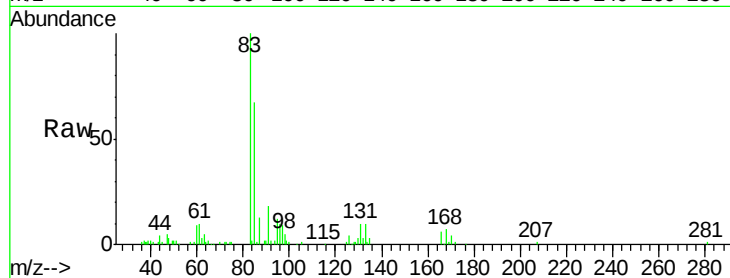
Tot Ion: 83 Resp: 50841

Ion Ratio Lower Upper

83 100

131 9.9 4.4 13.2

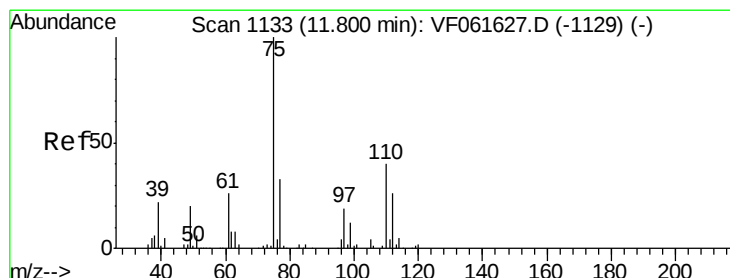
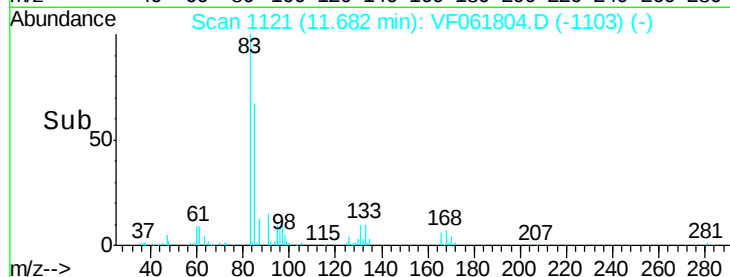
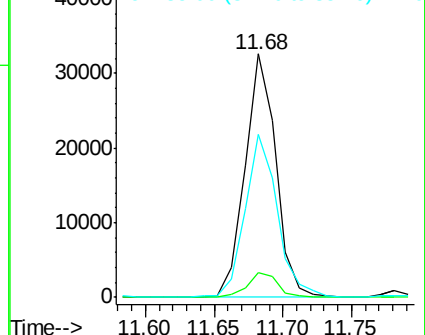
85 66.8 31.5 94.5



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): VF0

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 19.856 ug/l

RT: 11.78 min Scan# 1131

Delta R.T. -0.02 min

Lab File: VF061804.D

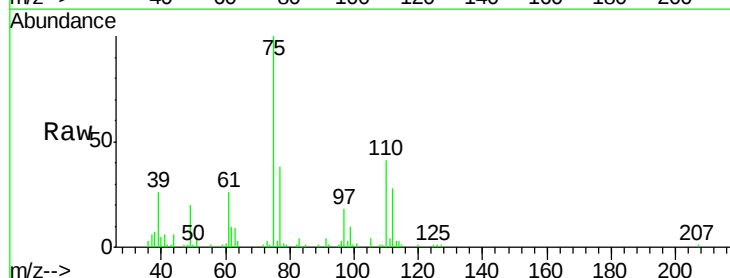
Acq: 1 Mar 2019 15:55

Tgt Ion: 75 Resp: 35404

Ion Ratio Lower Upper

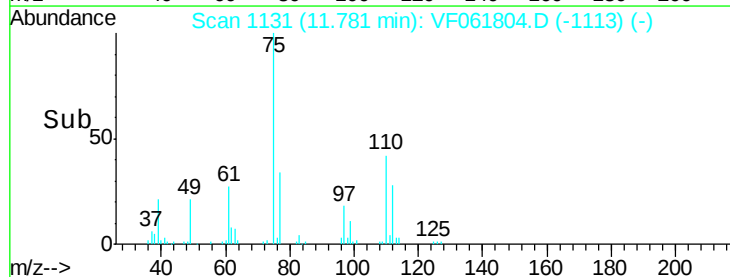
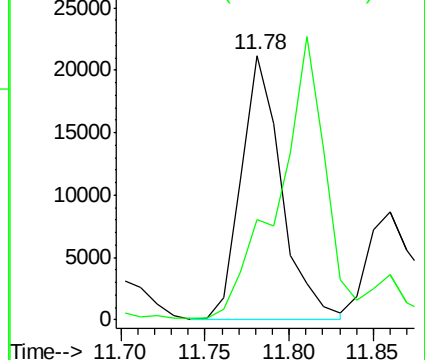
75 100

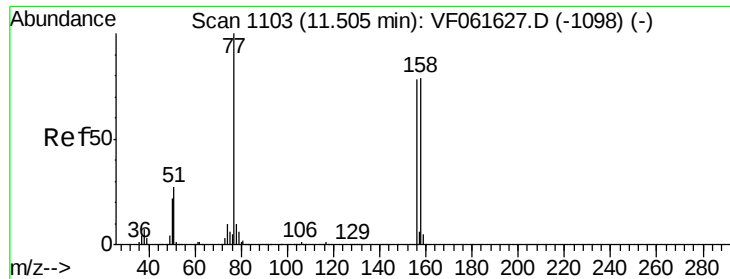
77 38.1 16.6 49.7



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 20.112 ug/l

RT: 11.49 min Scan# 1101

Delta R.T. -0.02 min

Lab File: VF061804.D

Acq: 1 Mar 2019 15:55

Instrument :

MSVOA_F

ClientSampleId :

VF0301SBS01

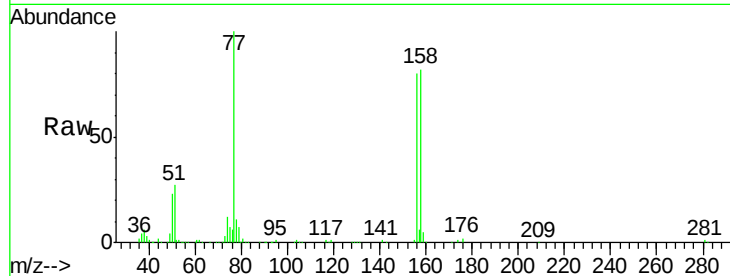
Tot Ion:156 Resp: 72736

Ion Ratio Lower Upper

156 100

77 124.4 64.3 192.7

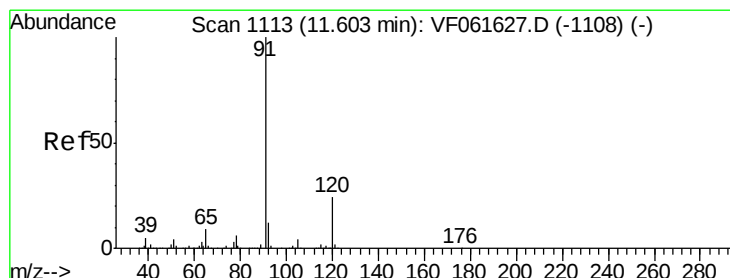
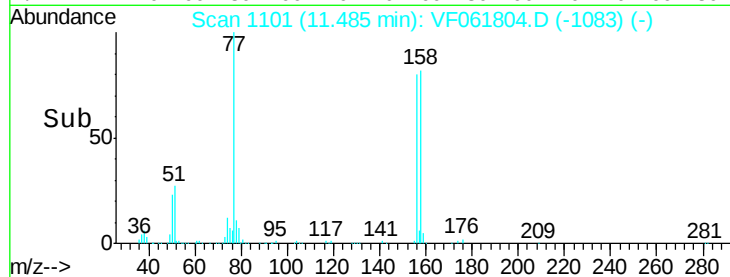
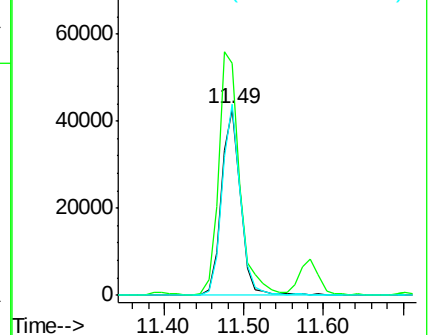
158 102.4 50.9 152.7



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: 22.001 ug/l

RT: 11.58 min Scan# 1111

Delta R.T. -0.02 min

Lab File: VF061804.D

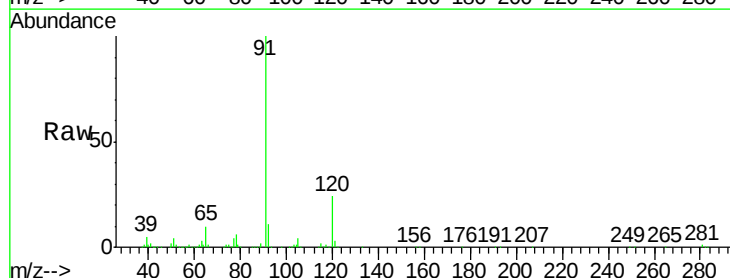
Acq: 1 Mar 2019 15:55

Tgt Ion: 91 Resp: 369585

Ion Ratio Lower Upper

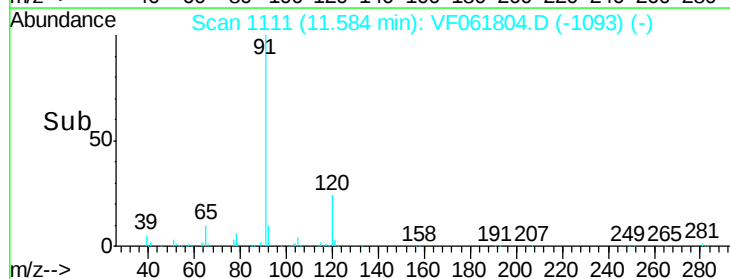
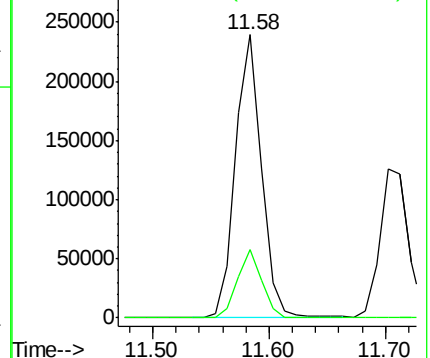
91 100

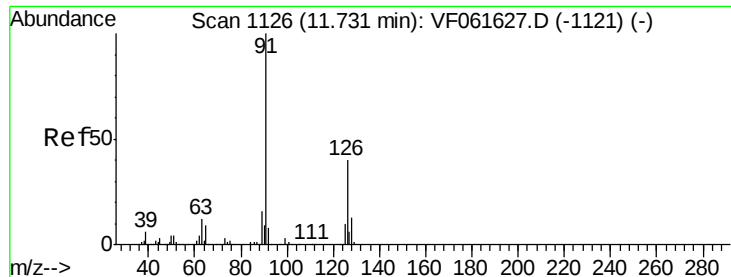
120 24.0 12.1 36.3



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

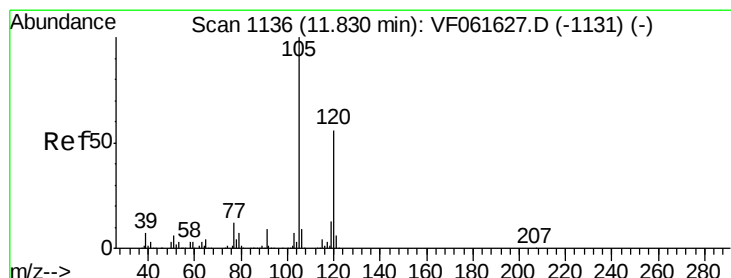
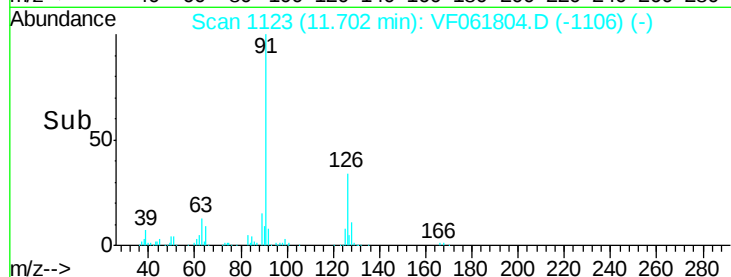
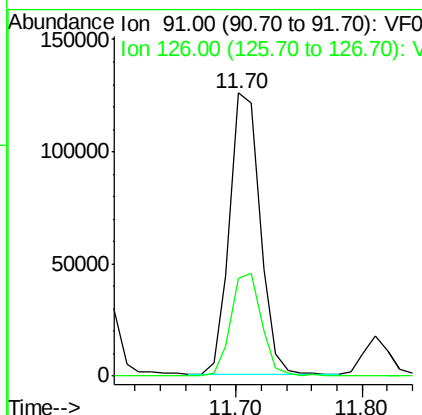
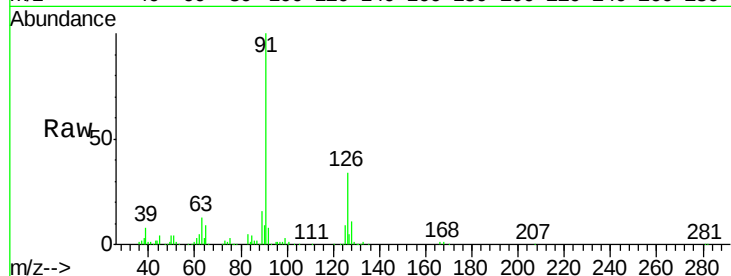




#79
 2-Chlorotoluene
 Concen: 22.257 ug/l
 RT: 11.70 min Scan# 1123
 Delta R.T. -0.03 min
 Lab File: VF061804.D
 Acq: 1 Mar 2019 15:55

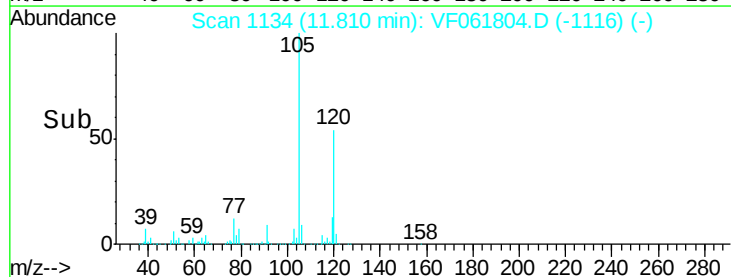
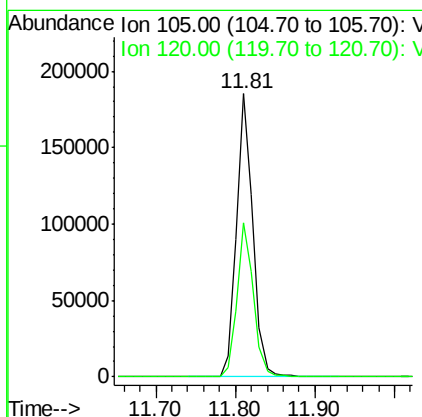
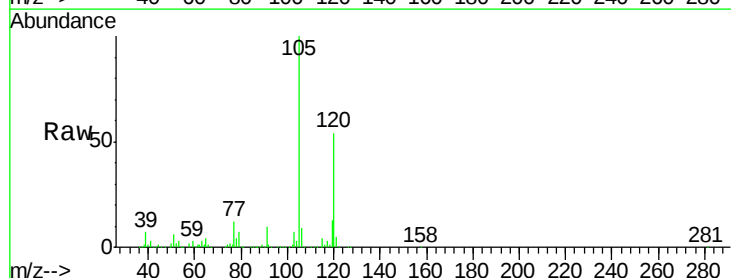
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0301SBS01

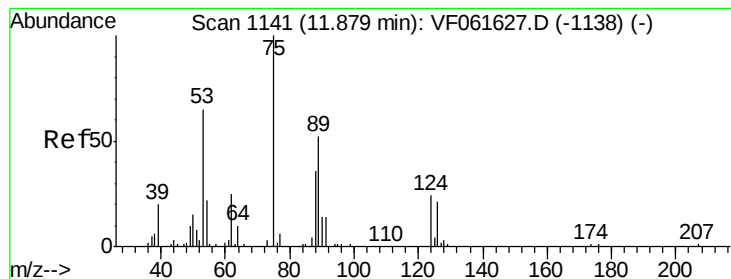
Tot Ion: 91 Resp: 209392
 Ion Ratio Lower Upper
 91 100
 126 34.4 19.8 59.4



#80
 1,3,5-Trimethylbenzene
 Concen: 22.916 ug/l
 RT: 11.81 min Scan# 1134
 Delta R.T. -0.02 min
 Lab File: VF061804.D
 Acq: 1 Mar 2019 15:55

Tgt Ion: 105 Resp: 268113
 Ion Ratio Lower Upper
 105 100
 120 54.4 27.9 83.6





#81

trans-1,4-Dichloro-2-butene

Concen: 24.061 ug/l

RT: 11.86 min Scan# 1139

Delta R.T. -0.02 min

Lab File: VF061804.D

Acq: 1 Mar 2019 15:55

Instrument :

MSVOA_F

ClientSampleId :

VF0301SBS01

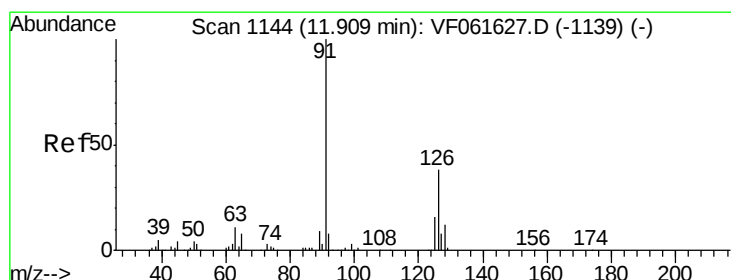
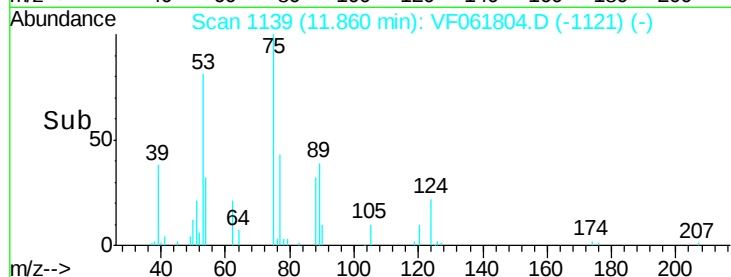
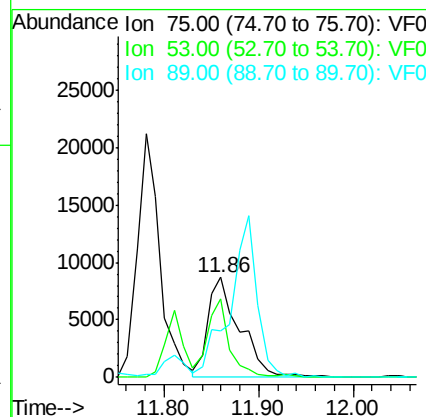
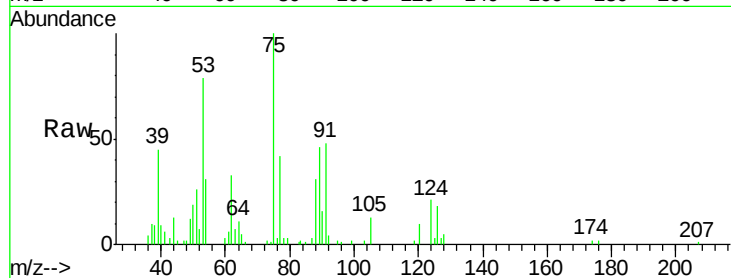
Tot Ion: 75 Resp: 20568

Ion Ratio Lower Upper

75 100

53 78.8 53.7 80.5

89 46.2 41.6 62.4



#82

4-Chlorotoluene

Concen: 21.236 ug/l

RT: 11.89 min Scan# 1142

Delta R.T. -0.02 min

Lab File: VF061804.D

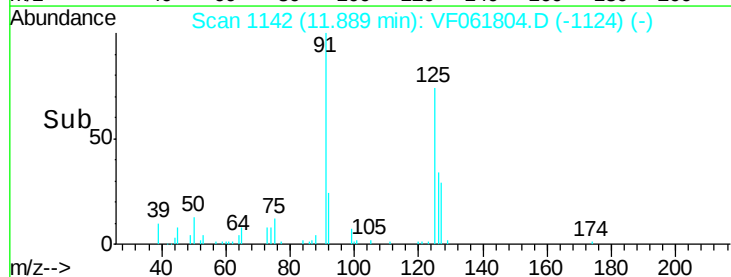
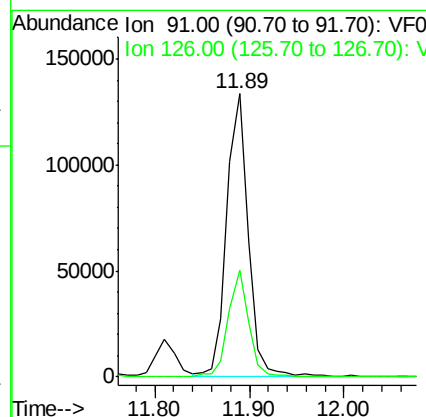
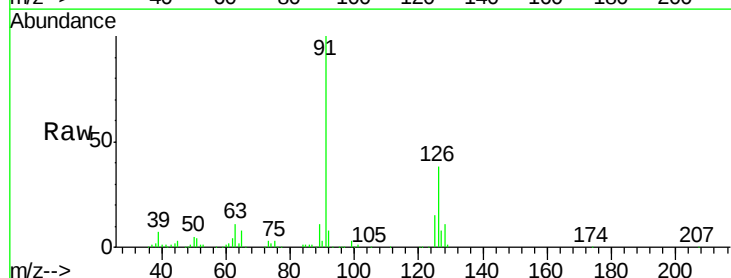
Acq: 1 Mar 2019 15:55

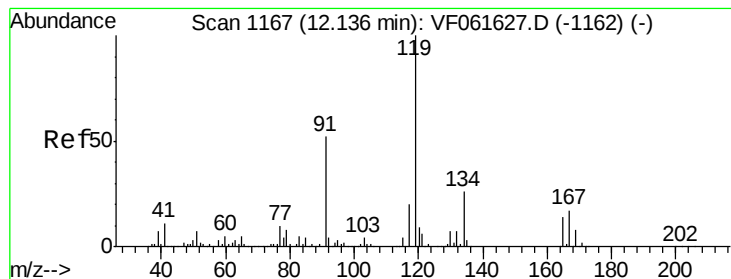
Tgt Ion: 91 Resp: 207372

Ion Ratio Lower Upper

91 100

126 37.6 19.1 57.1





#83

tert-Butylbenzene

Concen: 21.725 ug/l

RT: 12.12 min Scan# 1165

Delta R.T. -0.02 min

Lab File: VF061804.D

Acq: 1 Mar 2019 15:55

Instrument :

MSVOA_F

ClientSampleId :

VF0301SBS01

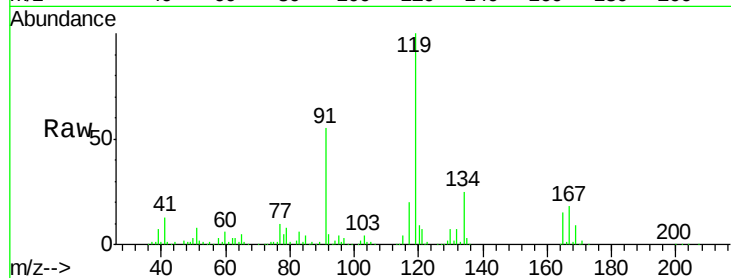
Tot Ion:119 Resp: 281531

Ion Ratio Lower Upper

119 100

91 55.2 26.3 78.8

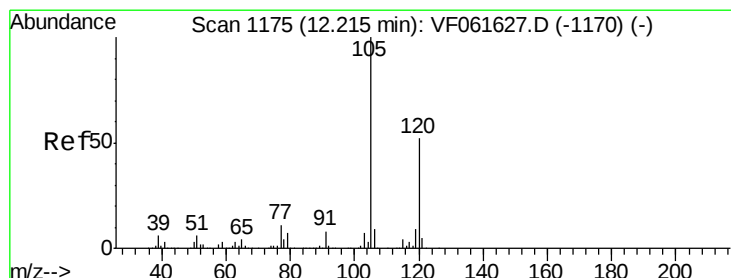
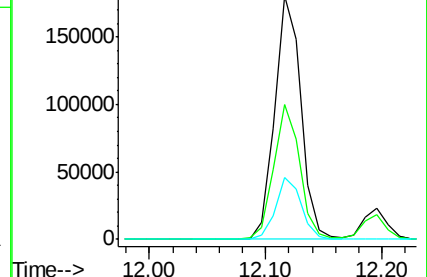
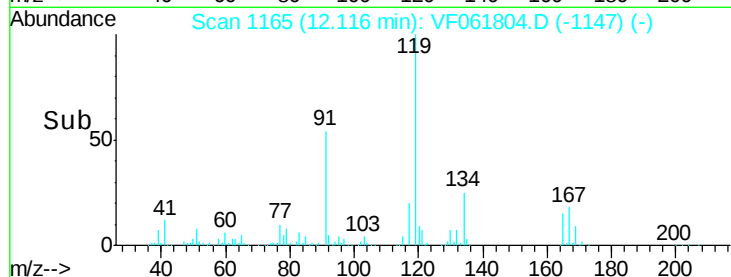
134 25.3 12.9 38.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VF0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 22.842 ug/l

RT: 12.20 min Scan# 1173

Delta R.T. -0.02 min

Lab File: VF061804.D

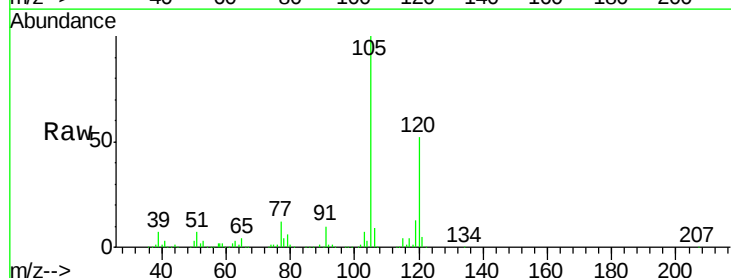
Acq: 1 Mar 2019 15:55

Tgt Ion:105 Resp: 265509

Ion Ratio Lower Upper

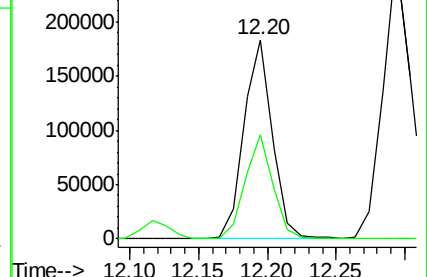
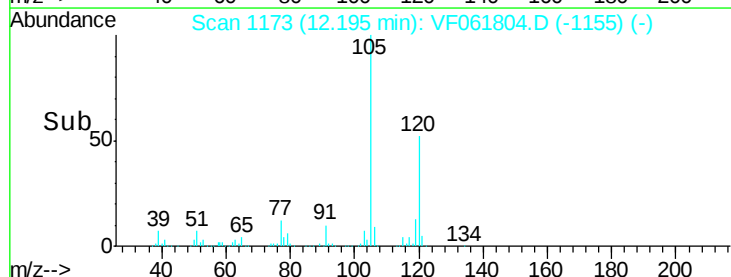
105 100

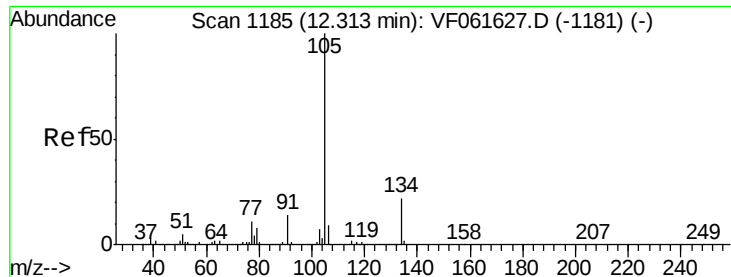
120 52.3 26.1 78.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 22.030 ug/l

RT: 12.29 min Scan# 1183

Delta R.T. -0.02 min

Lab File: VF061804.D

Acq: 1 Mar 2019 15:55

Instrument :

MSVOA_F

ClientSampleId :

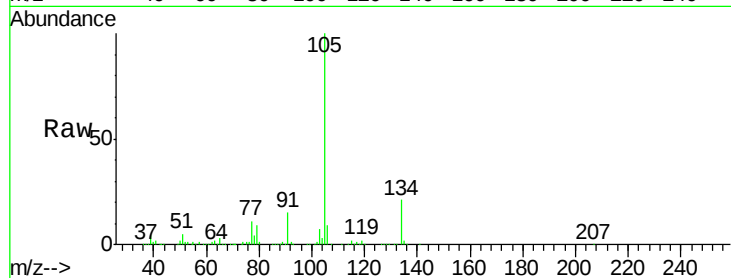
VF0301SBS01

Tot Ion:105 Resp: 369184

Ion Ratio Lower Upper

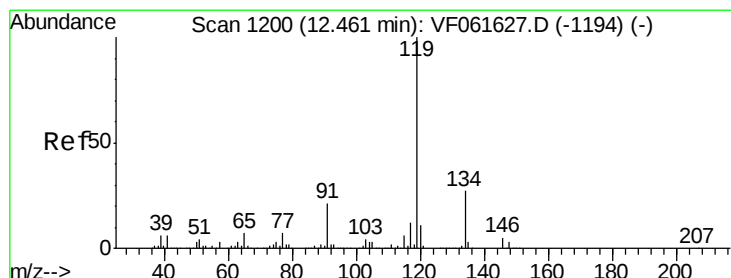
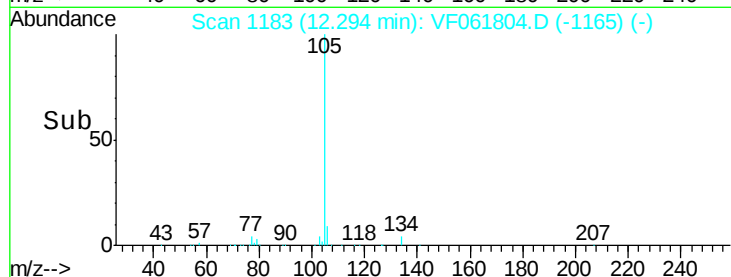
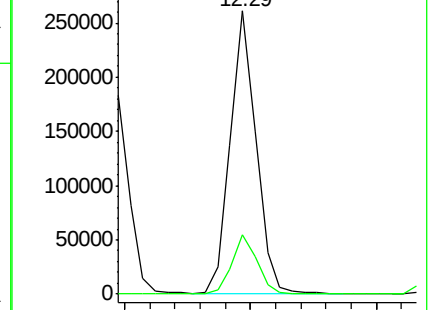
105 100

134 21.1 10.8 32.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 23.092 ug/l

RT: 12.45 min Scan# 1199

Delta R.T. -0.01 min

Lab File: VF061804.D

Acq: 1 Mar 2019 15:55

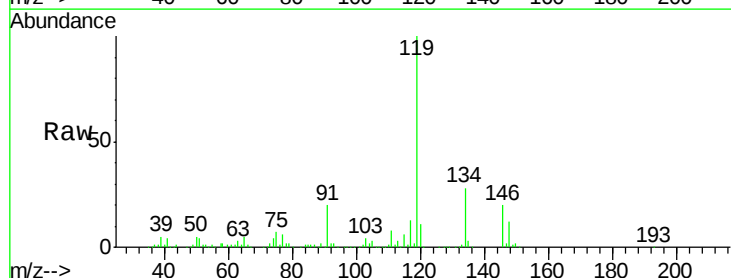
Tgt Ion:119 Resp: 324765

Ion Ratio Lower Upper

119 100

134 27.6 13.7 41.1

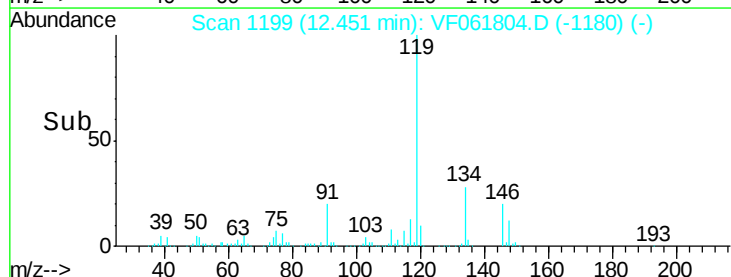
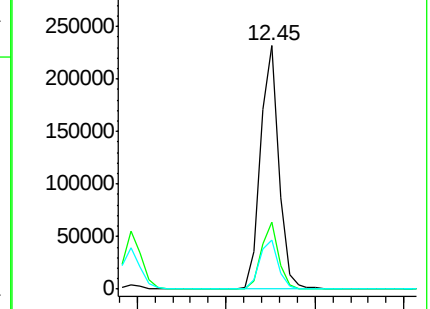
91 20.1 10.8 32.4

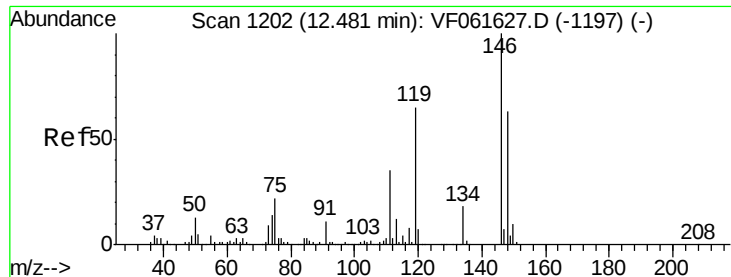


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

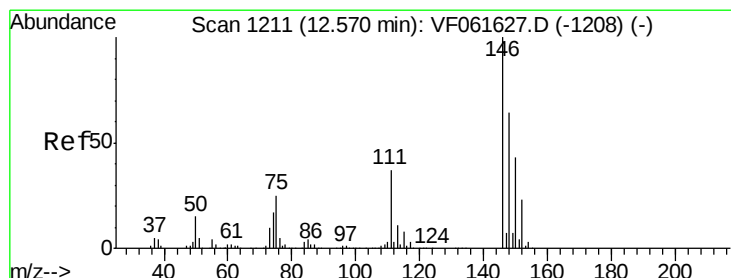
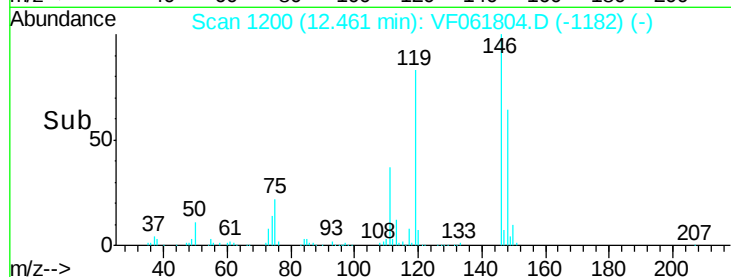
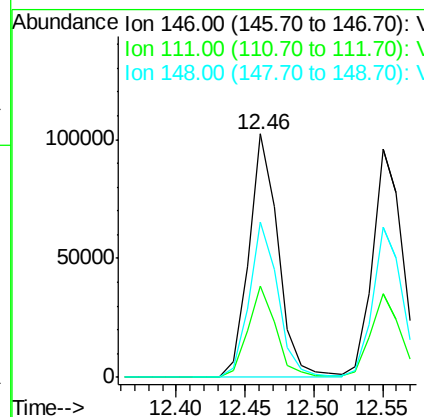
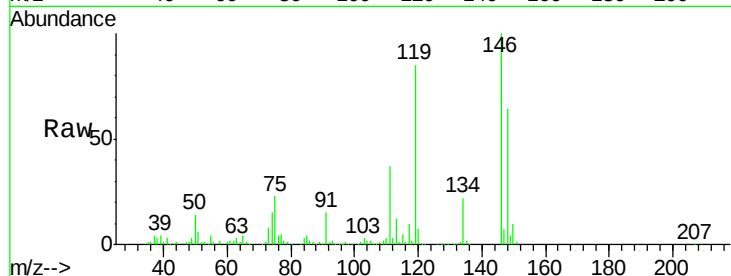




#87
 1,3-Dichlorobenzene
 Concen: 21.601 ug/l
 RT: 12.46 min Scan# 1200
 Delta R.T. -0.02 min
 Lab File: VF061804.D
 Acq: 1 Mar 2019 15:55

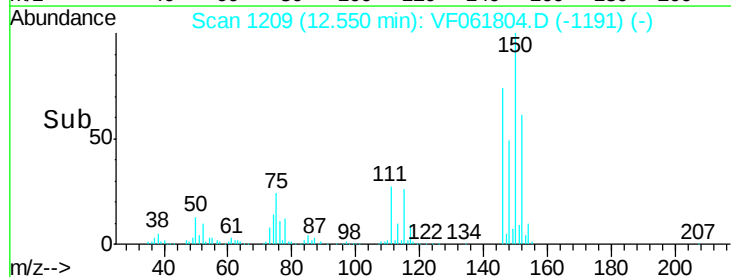
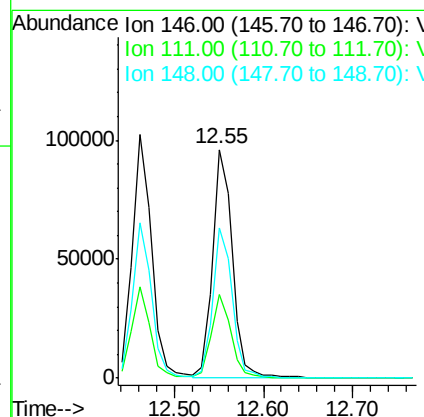
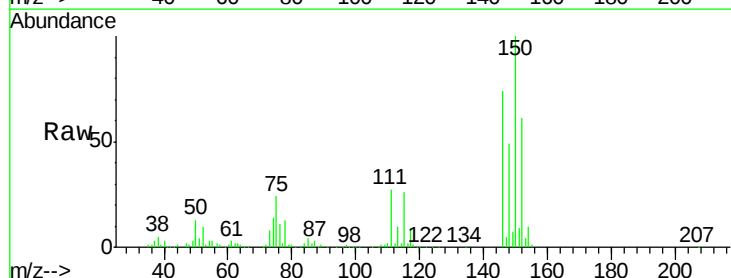
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0301SBS01

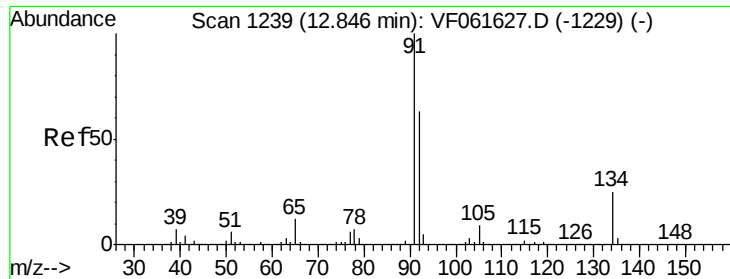
Tot Ion:146 Resp: 152293
 Ion Ratio Lower Upper
 146 100
 111 37.5 17.5 52.6
 148 63.9 31.4 94.3



#88
 1,4-Dichlorobenzene
 Concen: 21.850 ug/l
 RT: 12.55 min Scan# 1209
 Delta R.T. -0.02 min
 Lab File: VF061804.D
 Acq: 1 Mar 2019 15:55

Tgt Ion:146 Resp: 148150
 Ion Ratio Lower Upper
 146 100
 111 36.4 18.4 55.4
 148 65.4 32.2 96.6

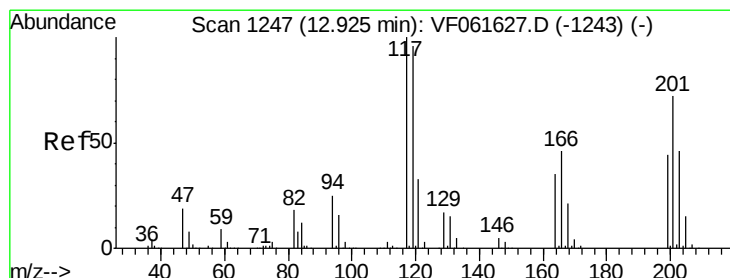
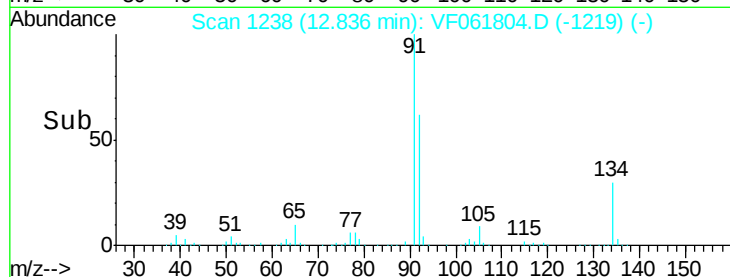
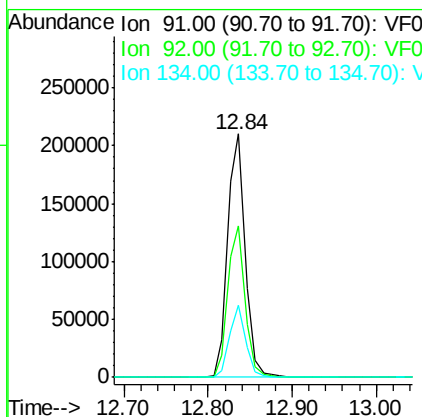
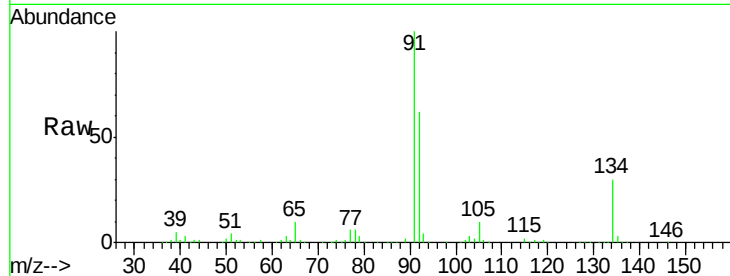




#89
n-Butylbenzene
Concen: 22.854 ug/l
RT: 12.84 min Scan# 1238
Delta R.T. -0.01 min
Lab File: VF061804.D
Acq: 1 Mar 2019 15:55

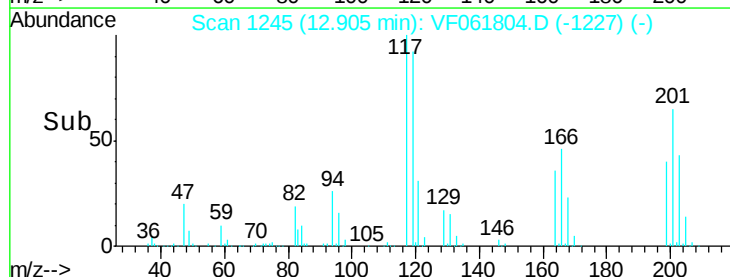
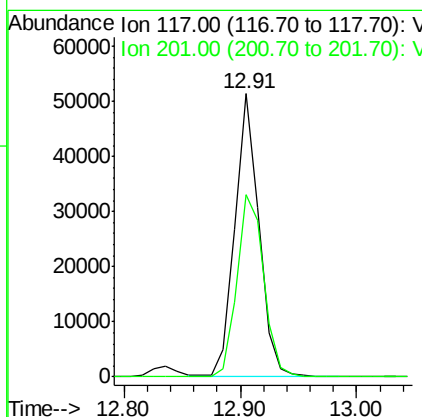
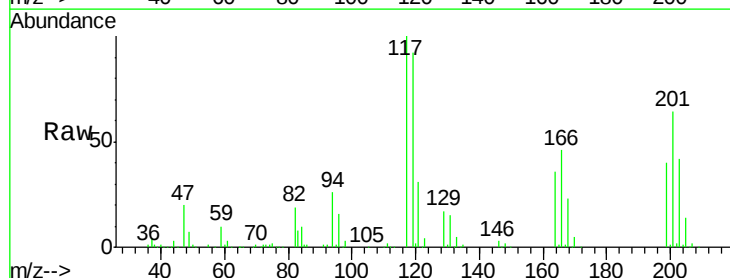
Instrument :
MSVOA_F
ClientSampleId :
VF0301SBS01

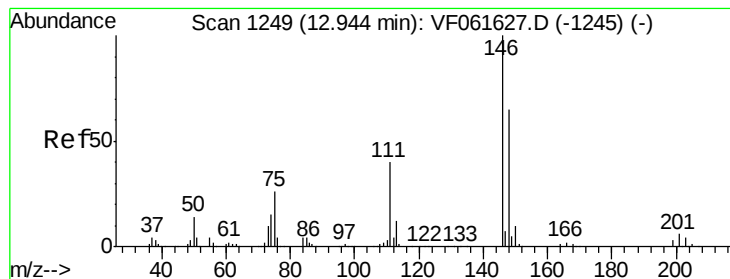
Tot Ion: 91 Resp: 303514
Ion Ratio Lower Upper
91 100
92 62.0 31.4 94.3
134 29.9 12.3 36.9



#90
Hexachloroethane
Concen: 22.578 ug/l
RT: 12.91 min Scan# 1245
Delta R.T. -0.02 min
Lab File: VF061804.D
Acq: 1 Mar 2019 15:55

Tgt Ion: 117 Resp: 73851
Ion Ratio Lower Upper
117 100
201 64.4 36.2 108.6





#91

1,2-Dichlorobenzene

Concen: 21.092 ug/l

RT: 12.93 min Scan# 1248

Delta R.T. -0.01 min

Lab File: VF061804.D

Acq: 1 Mar 2019 15:55

Instrument :

MSVOA_F

ClientSampleId :

VF0301SBS01

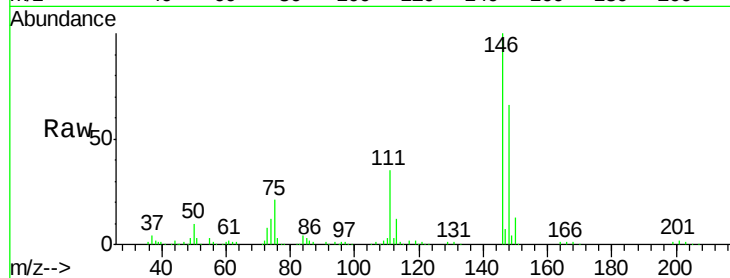
Tot Ion:146 Resp: 141445

Ion Ratio Lower Upper

146 100

111 35.4 20.2 60.5

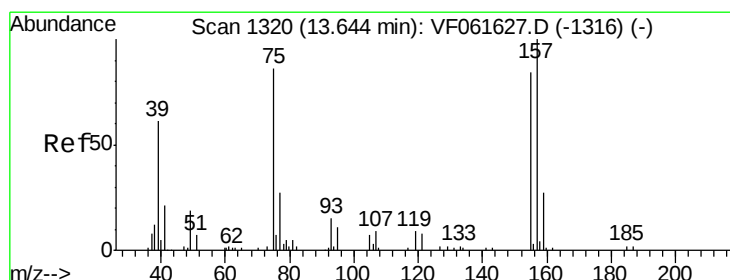
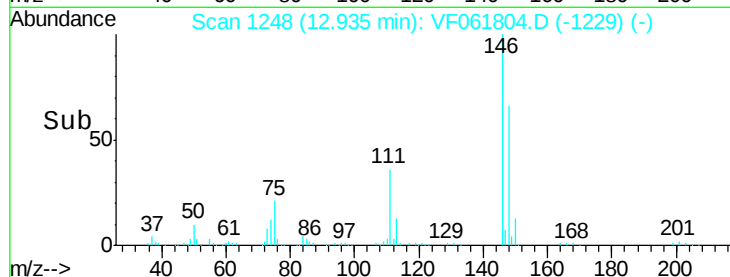
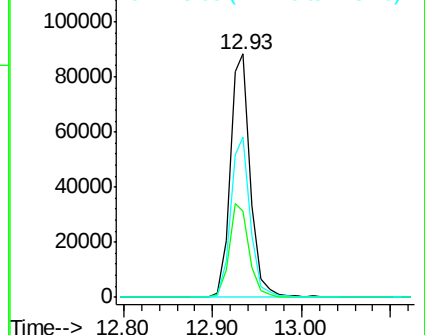
148 65.8 32.3 96.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 17.648 ug/l

RT: 13.63 min Scan# 1319

Delta R.T. -0.01 min

Lab File: VF061804.D

Acq: 1 Mar 2019 15:55

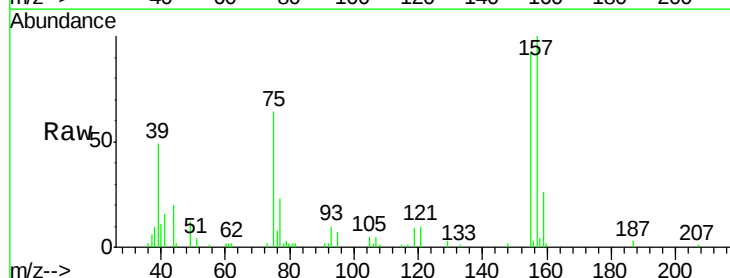
Tgt Ion: 75 Resp: 7338

Ion Ratio Lower Upper

75 100

155 142.5 48.9 146.8

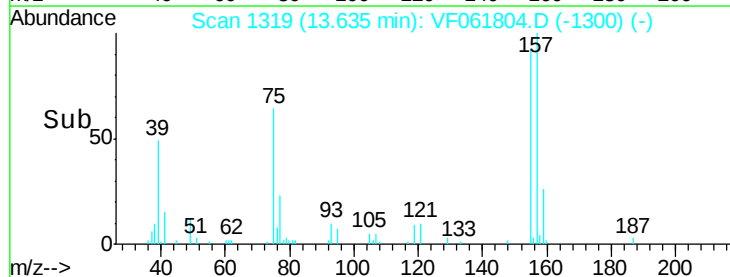
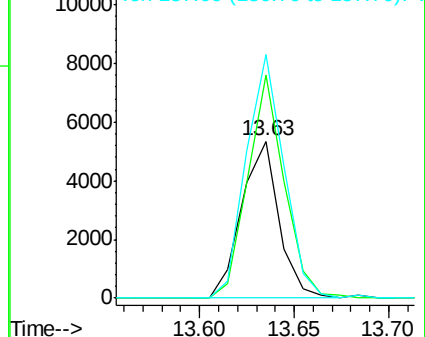
157 155.1 58.3 174.8

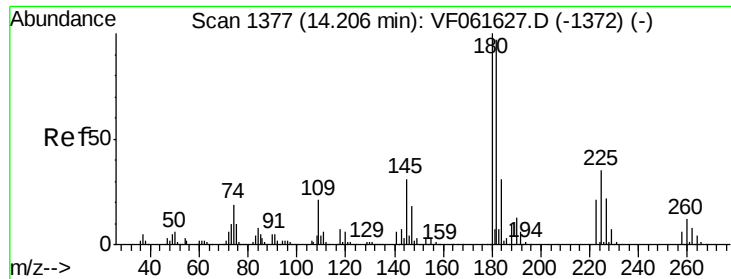


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

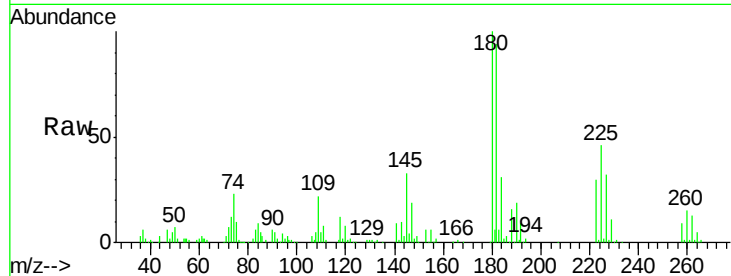




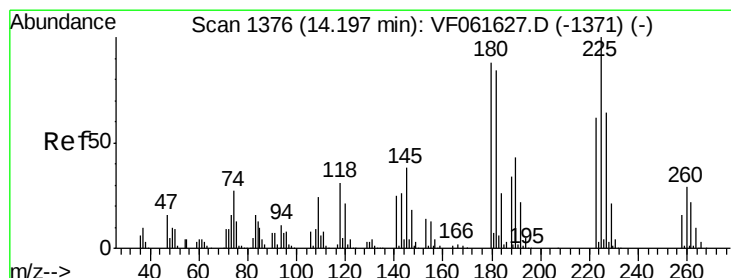
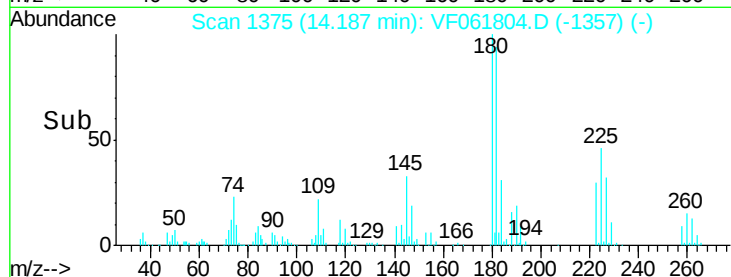
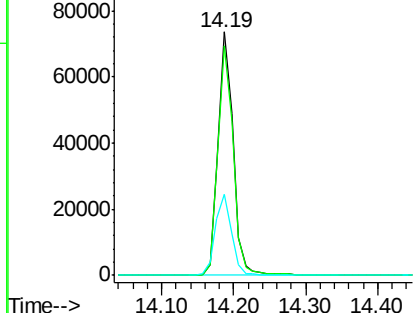
#93
 1,2,4-Trichlorobenzene
 Concen: 21.860 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. -0.02 min
 Lab File: VF061804.D
 Acq: 1 Mar 2019 15:55

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0301SBS01

Tot Ion:180 Resp: 105073
 Ion Ratio Lower Upper
 180 100
 182 94.2 48.6 145.9
 145 33.1 15.3 45.9

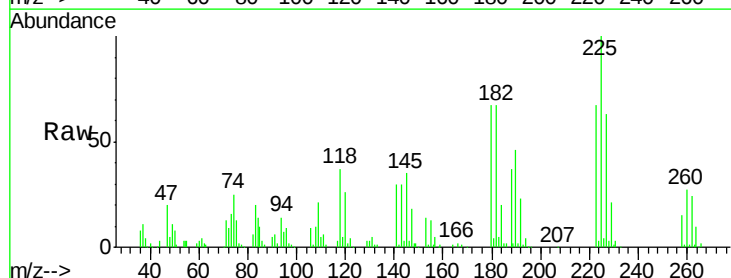


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

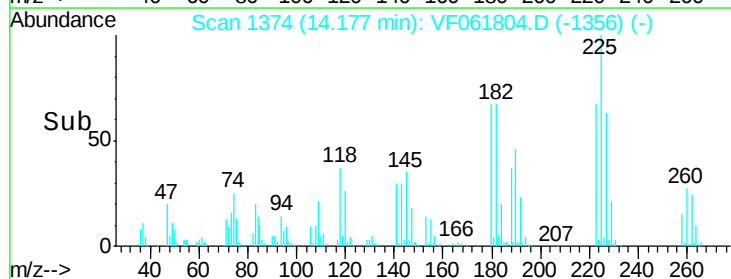
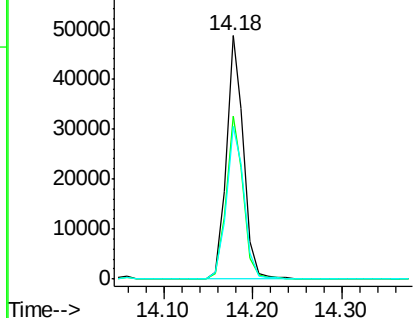


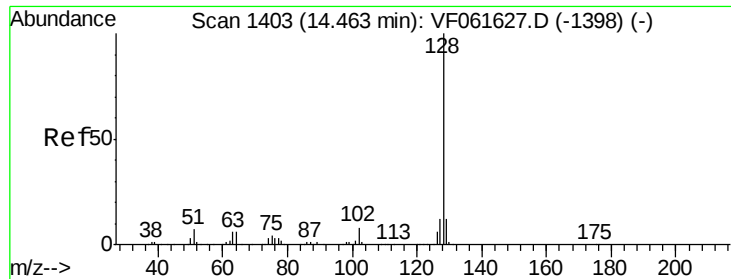
#94
 Hexachlorobutadiene
 Concen: 22.323 ug/l
 RT: 14.18 min Scan# 1374
 Delta R.T. -0.02 min
 Lab File: VF061804.D
 Acq: 1 Mar 2019 15:55

Tgt Ion:225 Resp: 66267
 Ion Ratio Lower Upper
 225 100
 223 67.0 30.9 92.7
 227 62.6 32.1 96.3



Abundance Ion 225.00 (224.70 to 225.70): V
 Ion 223.00 (222.70 to 223.70): V
 Ion 227.00 (226.70 to 227.70): V





#95

Naphthalene

Concen: 20.110 ug/l

RT: 14.44 min Scan# 1401

Delta R.T. -0.02 min

Lab File: VF061804.D

Acq: 1 Mar 2019 15:55

Instrument :

MSVOA_F

ClientSampleId :

VF0301SBS01

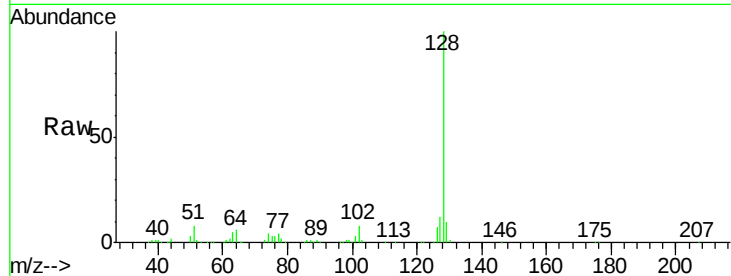
Tot Ion:128 Resp: 169127

Ion Ratio Lower Upper

128 100

127 12.2 9.8 14.6

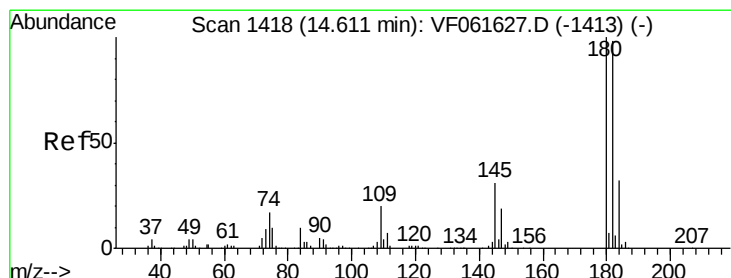
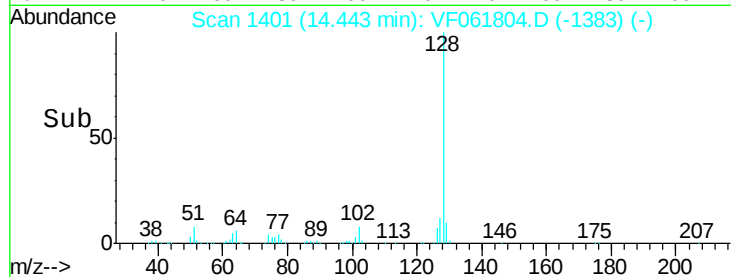
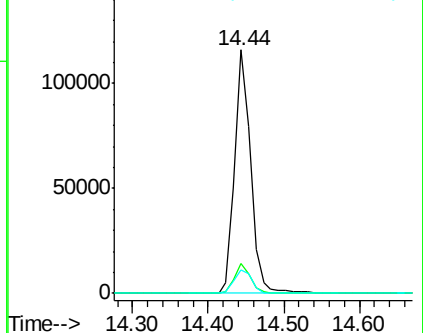
129 9.6 9.4 14.2



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: 21.245 ug/l

RT: 14.59 min Scan# 1416

Delta R.T. -0.02 min

Lab File: VF061804.D

Acq: 1 Mar 2019 15:55

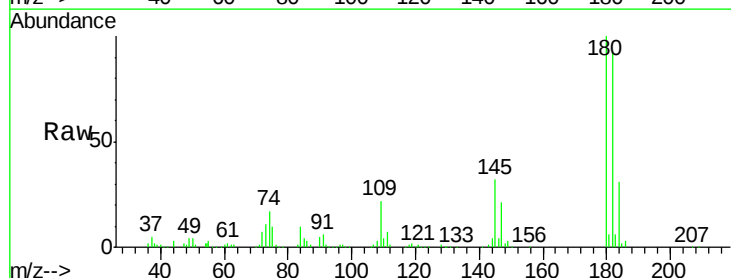
Tgt Ion:180 Resp: 93728

Ion Ratio Lower Upper

180 100

182 92.7 49.0 147.2

145 32.4 15.4 46.1



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

