

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF021119\
 Data File : VF061583.D
 Acq On : 11 Feb 2019 13:51
 Operator : VA/AP
 Sample : VF0211SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0211SBS01

Quant Time: Feb 12 04:23:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 04:51:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.85	168	173252	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.58	114	295846	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.75	117	265509	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.54	152	140220	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.82	65	109224	51.06	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	102.12%	
35) Dibromofluoromethane	4.09	113	123435	52.87	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	105.74%	
50) Toluene-d8	7.53	98	311562	48.71	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	97.42%	
62) 4-Bromofluorobenzene	11.40	95	145907	48.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.95	85	60410	17.746	ug/l	91
3) Chloromethane	1.09	50	47015	18.836	ug/l	97
4) Vinyl Chloride	1.13	62	44286	19.945	ug/l	90
5) Bromomethane	1.32	94	32494	22.442	ug/l	94
6) Chloroethane	1.39	64	20042	20.371	ug/l	93
7) Trichlorofluoromethane	1.47	101	84637m	19.608	ug/l	
8) Diethyl Ether	1.62	74	10653	19.261	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	1.83	101	41142	19.836	ug/l	97
10) Methyl Iodide	1.90	142	62565m	19.458	ug/l	
11) Tert butyl alcohol	2.55	59	9114	100.662	ug/l #	85
12) 1,1-Dichloroethene	1.79	96	33048	21.447	ug/l	98
13) Acrolein	1.99	56	3833	57.454	ug/l	94
14) Allyl chloride	2.09	41	47767	27.126	ug/l	98
15) Acrylonitrile	2.93	53	23849	102.833	ug/l	89
16) Acetone	2.23	43	56104	130.744	ug/l #	91
17) Carbon Disulfide	1.82	76	91524m	19.049	ug/l	
18) Methyl Acetate	2.33	43	17490	20.552	ug/l	94
19) Methyl tert-butyl Ether	2.41	73	68918	19.952	ug/l	97
20) Methylene Chloride	2.17	84	35739m	23.608	ug/l	
21) trans-1,2-Dichloroethene	2.29	96	33561	19.796	ug/l	92
22) Diisopropyl ether	2.79	45	116888	21.316	ug/l	97
23) Vinyl Acetate	3.17	43	267282	112.595	ug/l	99
24) 1,1-Dichloroethane	2.86	63	72772	21.145	ug/l	96
25) 2-Butanone	4.31	43	81577	114.318	ug/l	95
26) 2,2-Dichloropropane	3.58	77	42027	19.876	ug/l	94
27) cis-1,2-Dichloroethene	3.46	96	51460	20.563	ug/l	92
28) Bromochloromethane	3.70	49	31450	20.329	ug/l	86
29) Tetrahydrofuran	4.05	42	32367	105.338	ug/l	96
30) Chloroform	3.84	83	96952	20.874	ug/l	99
31) Cyclohexane	3.67	56	67653m	19.679	ug/l	
32) 1,1,1-Trichloroethane	4.07	97	59996	17.617	ug/l	97
36) 1,1-Dichloropropene	4.26	75	67106	19.563	ug/l #	91
37) Ethyl Acetate	4.09	43	29232	21.319	ug/l #	84
38) Carbon Tetrachloride	3.97	117	59090	19.705	ug/l	97

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 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0211SBS01

Quant Time: Feb 12 04:23:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 04:51:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.43	83	70598	18.991	ug/l	94
40) Benzene	4.61	78	152814	20.021	ug/l	96
41) Methacrylonitrile	4.72	41	16192	22.193	ug/l	94
42) 1,2-Dichloroethane	4.92	62	57288	21.063	ug/l	95
43) Isopropyl Acetate	6.94	43	32986	19.168	ug/l #	89
44) Trichloroethene	5.48	130	49294	21.053	ug/l	98
45) 1,2-Dichloropropane	6.21	63	39685	19.810	ug/l	97
46) Dibromomethane	6.06	93	25377	19.051	ug/l	96
47) Bromodichloromethane	6.37	83	70702	21.453	ug/l	94
48) Methyl methacrylate	6.69	41	22464	19.439	ug/l	98
49) 1,4-Dioxane	6.68	88	3382	375.951	ug/l	89
51) 4-Methyl-2-Pentanone	8.24	43	141272	111.666	ug/l	99
52) Toluene	7.60	92	103741	20.639	ug/l	100
53) t-1,3-Dichloropropene	8.26	75	58665	22.417	ug/l	97
54) cis-1,3-Dichloropropene	7.28	75	73523	22.476	ug/l	99
55) 1,1,2-Trichloroethane	8.47	97	28691	20.101	ug/l	93
56) Ethyl methacrylate	8.61	69	34099	20.534	ug/l	96
57) 1,3-Dichloropropane	8.83	76	54400	20.333	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.28	63	28247	171.873	ug/l	97
59) 2-Hexanone	9.48	43	109980	124.665	ug/l	92
60) Dibromochloromethane	8.70	129	41663	19.966	ug/l	98
61) 1,2-Dibromoethane	8.97	107	32359	19.803	ug/l	100
64) Tetrachloroethene	8.13	164	42165	21.118	ug/l	94
65) Chlorobenzene	9.78	112	107676	19.943	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.91	131	50012	23.252	ug/l	97
67) Ethyl Benzene	9.88	91	214502	21.744	ug/l	97
68) m/p-Xylenes	10.12	106	151228	42.623	ug/l	98
69) o-Xylene	10.70	106	80735	20.995	ug/l	100
70) Styrene	10.77	104	113839	21.627	ug/l	99
71) Bromoform	10.76	173	21659	22.412	ug/l #	93
73) Isopropylbenzene	11.11	105	250661	21.979	ug/l	99
74) N-amyl acetate	11.36	43	60671	22.498	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.69	83	42027	20.686	ug/l	97
76) 1,2,3-Trichloropropane	11.78	75	31344	21.471	ug/l	99
77) Bromobenzene	11.48	156	52019	21.598	ug/l	89
78) n-propylbenzene	11.58	91	299664	20.172	ug/l	96
79) 2-Chlorotoluene	11.70	91	169241	21.388	ug/l	96
80) 1,3,5-Trimethylbenzene	11.81	105	207791	22.577	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.85	75	13310m	20.974	ug/l	
82) 4-Chlorotoluene	11.88	91	167595	20.989	ug/l	94
83) tert-Butylbenzene	12.12	119	217968	22.882	ug/l	98
84) 1,2,4-Trimethylbenzene	12.19	105	207596	21.898	ug/l	94
85) sec-Butylbenzene	12.30	105	282702	21.853	ug/l	98
86) p-Isopropyltoluene	12.44	119	237947	22.407	ug/l	96
87) 1,3-Dichlorobenzene	12.46	146	102022	20.164	ug/l	97
88) 1,4-Dichlorobenzene	12.55	146	98314	21.602	ug/l	96
89) n-Butylbenzene	12.83	91	243767	22.258	ug/l	96
90) Hexachloroethane	12.91	117	57852	23.111	ug/l	92
91) 1,2-Dichlorobenzene	12.93	146	94426	20.958	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.63	75	6856	19.026	ug/l	77

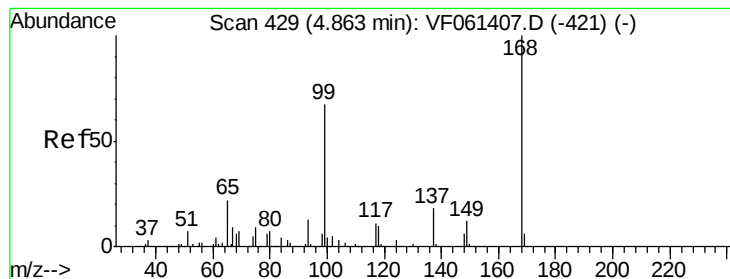
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF021119\
Data File : VF061583.D
Acq On : 11 Feb 2019 13:51
Operator : VA/AP
Sample : VF0211SBS01
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Instrument :
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ClientSampleId :
VF0211SBS01

Quant Time: Feb 12 04:23:52 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
Quant Title : SW846 8260
QLast Update : Wed Jan 16 04:51:59 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	69764	22.104	ug/l	95
94) Hexachlorobutadiene	14.18	225	42513	21.707	ug/l	96
95) Naphthalene	14.45	128	119109	19.863	ug/l	98
96) 1,2,3-Trichlorobenzene	14.60	180	59615	20.404	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.85 min Scan# 428

Delta R.T. -0.01 min

Lab File: VF061583.D

Acq: 11 Feb 2019 13:51

Instrument :

MSVOA_F

ClientSampleId :

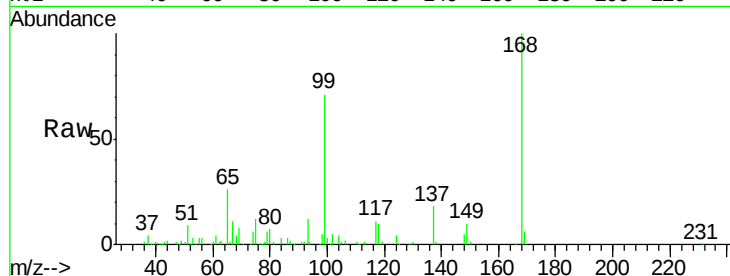
VF0211SBS01

Tot Ion:168 Resp: 173252

Ion Ratio Lower Upper

168 100

99 71.3 53.5 80.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.85

60000

50000

40000

30000

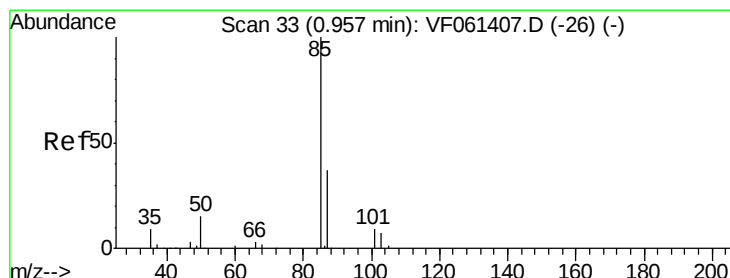
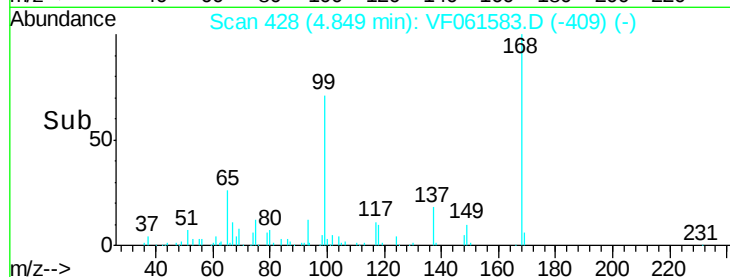
20000

10000

0

4.70 4.80 4.90 5.00

Time-->



#2

Dichlorodifluoromethane

Concen: 17.746 ug/l

RT: 0.95 min Scan# 33

Delta R.T. -0.00 min

Lab File: VF061583.D

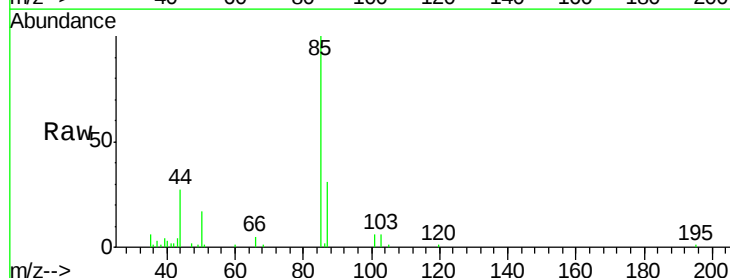
Acq: 11 Feb 2019 13:51

Tgt Ion: 85 Resp: 60410

Ion Ratio Lower Upper

85 100

87 31.4 18.4 55.0



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.95

15000

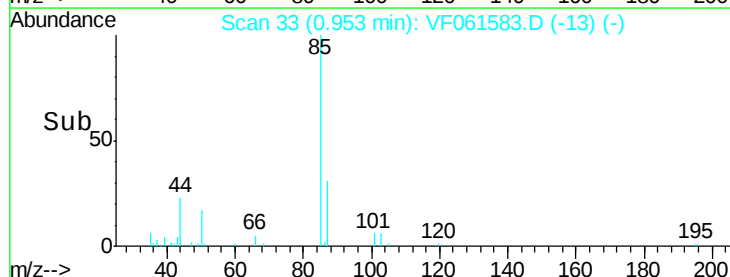
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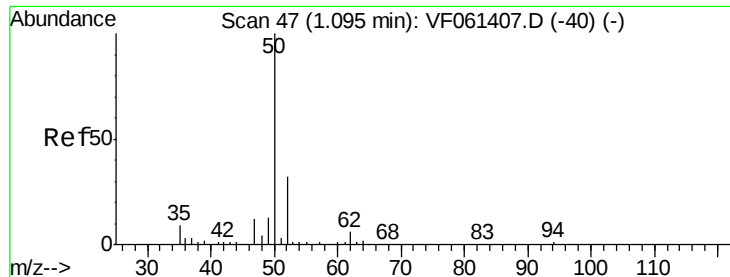
5000

0

0.80 0.90 1.00 1.10

Time-->





#3

Chloromethane

Concen: 18.836 ug/l

RT: 1.09 min Scan# 47

Delta R.T. -0.00 min

Lab File: VF061583.D

Acq: 11 Feb 2019 13:51

Instrument :

MSVOA_F

ClientSampleId :

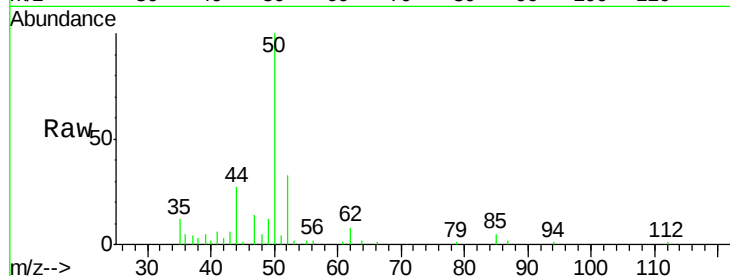
VF0211SBS01

Tot Ion: 50 Resp: 47015

Ion Ratio Lower Upper

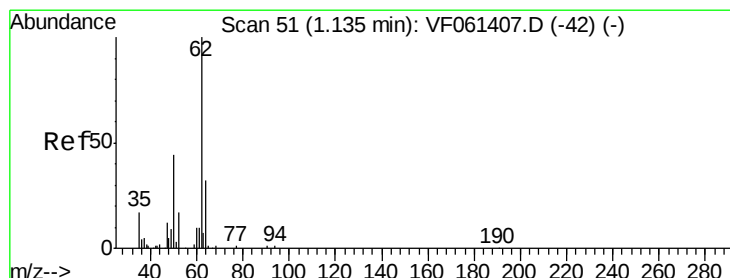
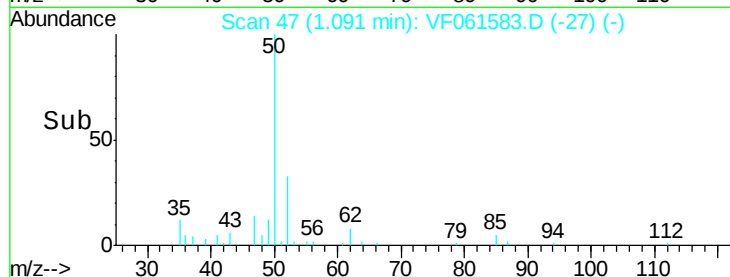
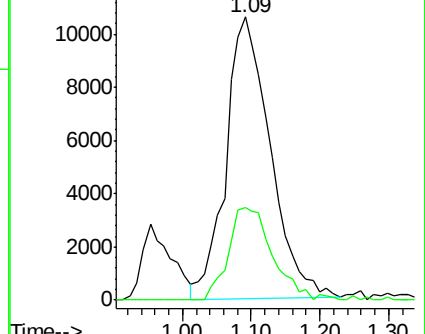
50 100

52 32.6 24.6 36.8



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 19.945 ug/l

RT: 1.13 min Scan# 51

Delta R.T. -0.00 min

Lab File: VF061583.D

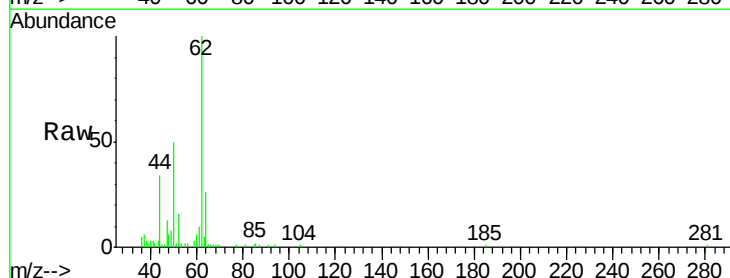
Acq: 11 Feb 2019 13:51

Tgt Ion: 62 Resp: 44286

Ion Ratio Lower Upper

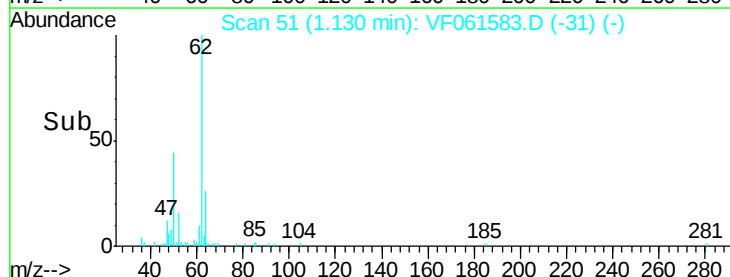
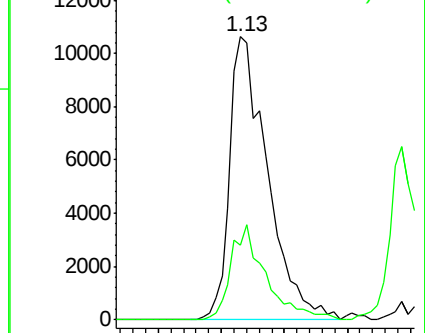
62 100

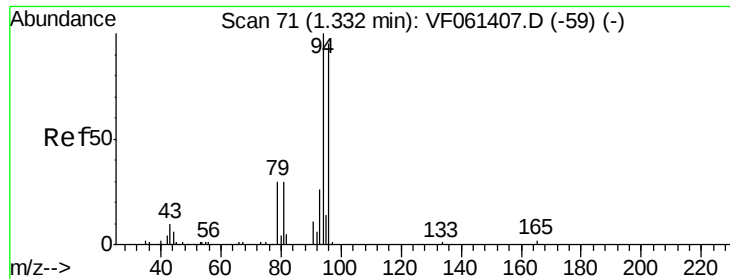
64 26.2 25.6 38.4



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 22.442 ug/l

RT: 1.32 min Scan# 70

Delta R.T. -0.01 min

Lab File: VF061583.D

Acq: 11 Feb 2019 13:51

Instrument :

MSVOA_F

ClientSampleId :

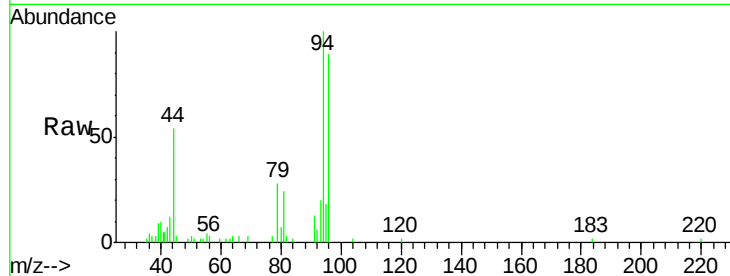
VF0211SBS01

Tot Ion: 94 Resp: 32494

Ion Ratio Lower Upper

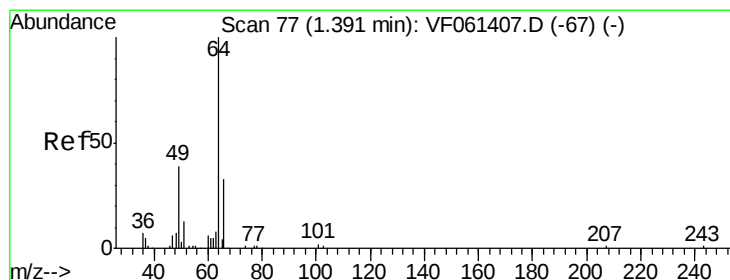
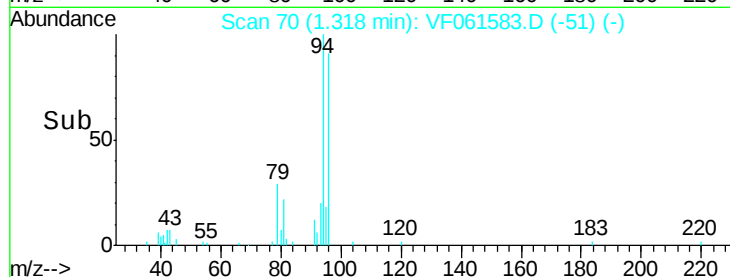
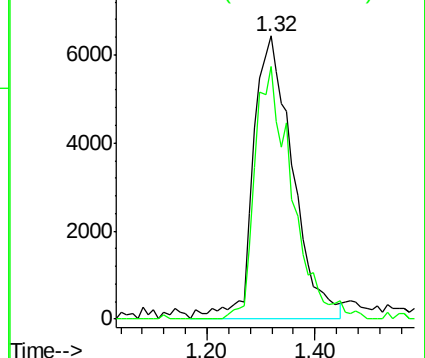
94 100

96 89.0 76.0 114.0



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 20.371 ug/l

RT: 1.39 min Scan# 77

Delta R.T. -0.00 min

Lab File: VF061583.D

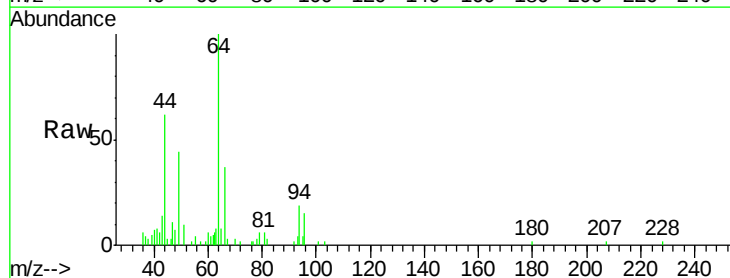
Acq: 11 Feb 2019 13:51

Tgt Ion: 64 Resp: 20042

Ion Ratio Lower Upper

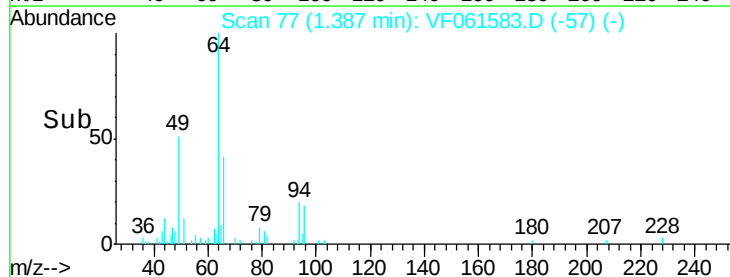
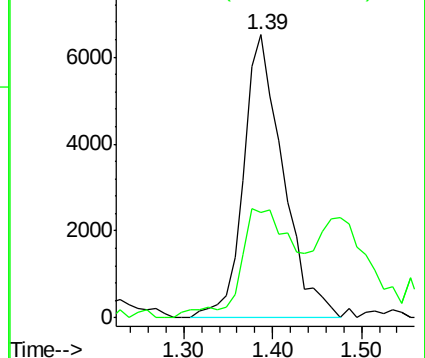
64 100

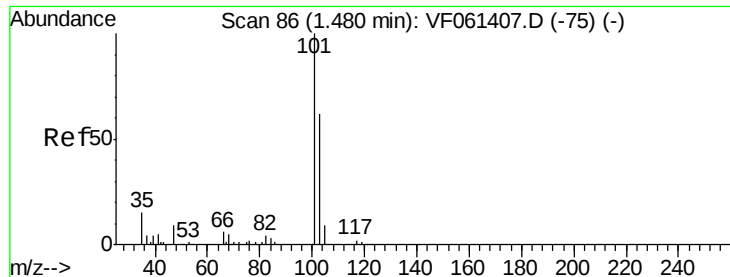
66 37.3 26.6 40.0



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0



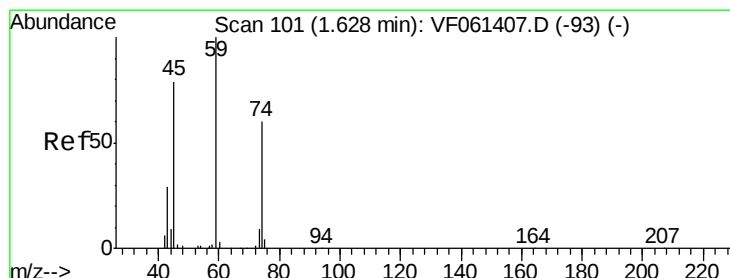
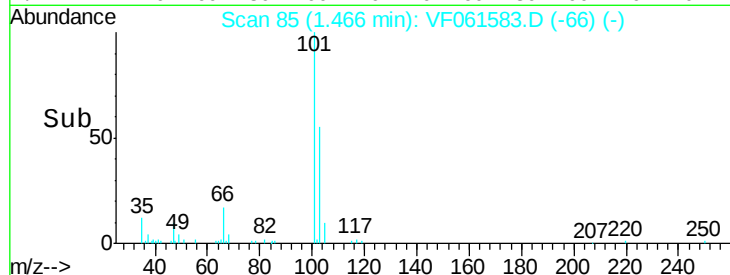
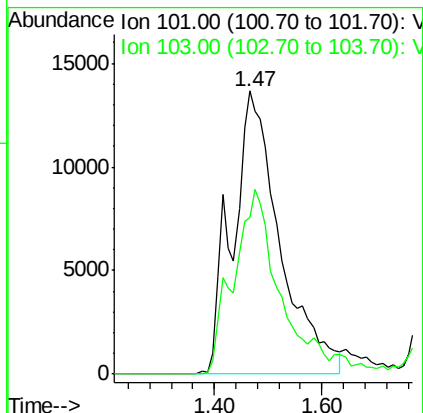
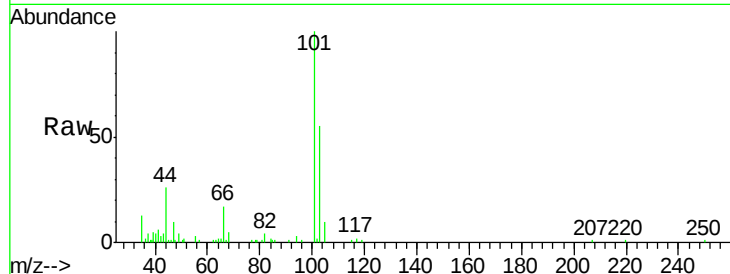


#7

Trichlorofluoromethane
 Concen: 19.608 ug/l m
 RT: 1.47 min Scan# 85
 Delta R.T. -0.01 min
 Lab File: VF061583.D
 Acq: 11 Feb 2019 13:51

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0211SBS01

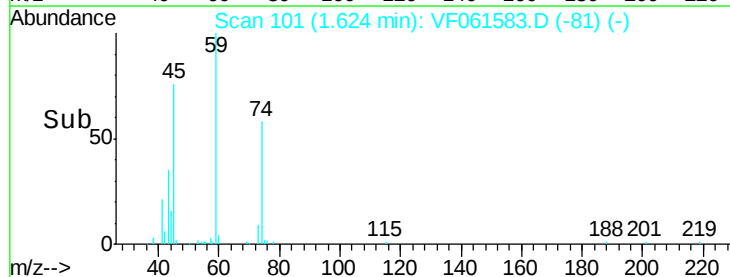
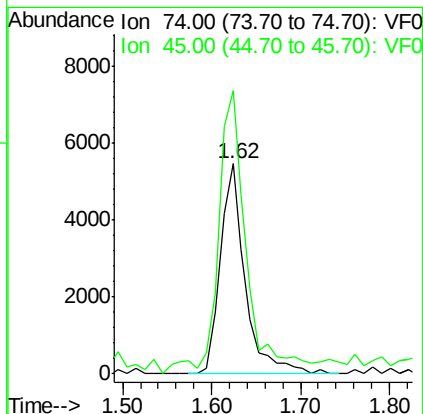
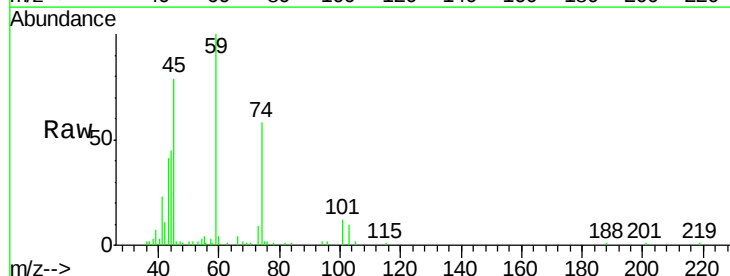
Tot Ion:101 Resp: 84637
 Ion Ratio Lower Upper
 101 100
 103 55.5 49.7 74.5

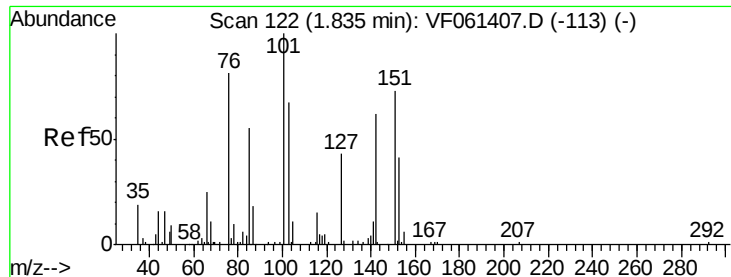


#8

Diethyl Ether
 Concen: 19.261 ug/l
 RT: 1.62 min Scan# 101
 Delta R.T. -0.00 min
 Lab File: VF061583.D
 Acq: 11 Feb 2019 13:51

Tgt Ion: 74 Resp: 10653
 Ion Ratio Lower Upper
 74 100
 45 134.8 65.8 197.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.836 ug/l

RT: 1.83 min Scan# 122

Delta R.T. -0.00 min

Lab File: VF061583.D

Acq: 11 Feb 2019 13:51

Instrument :

MSVOA_F

ClientSampleId :

VF0211SBS01

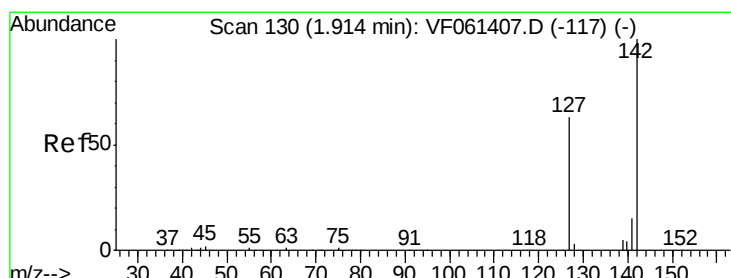
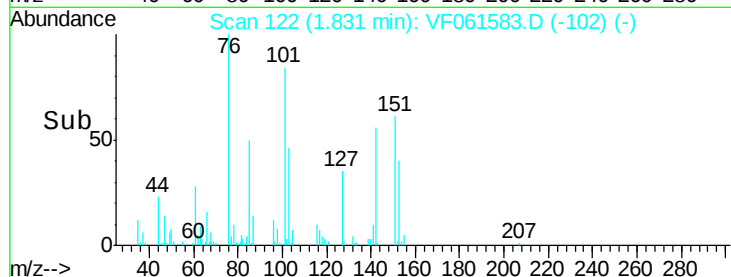
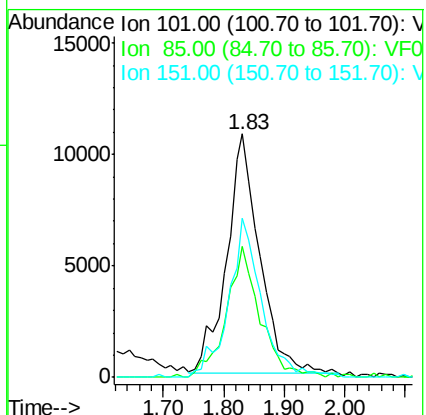
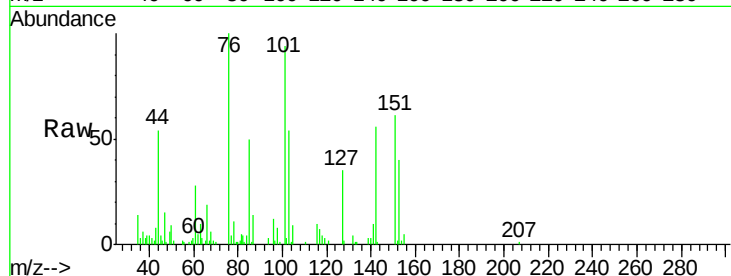
Tot Ion:101 Resp: 41142

Ion Ratio Lower Upper

101 100

85 53.9 41.9 62.9

151 65.4 55.1 82.7



#10

Methyl Iodide

Concen: 19.458 ug/l m

RT: 1.90 min Scan# 129

Delta R.T. -0.01 min

Lab File: VF061583.D

Acq: 11 Feb 2019 13:51

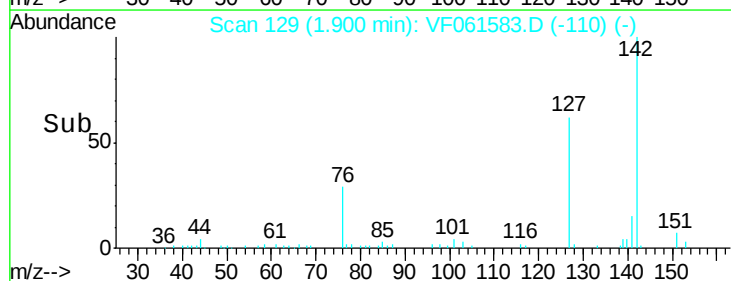
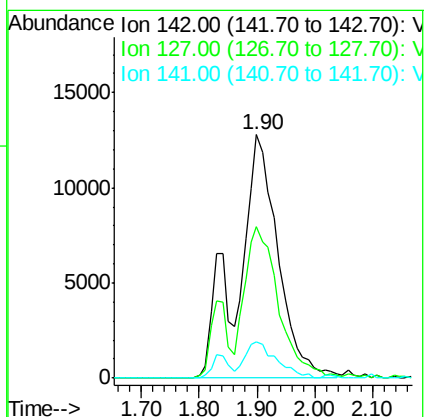
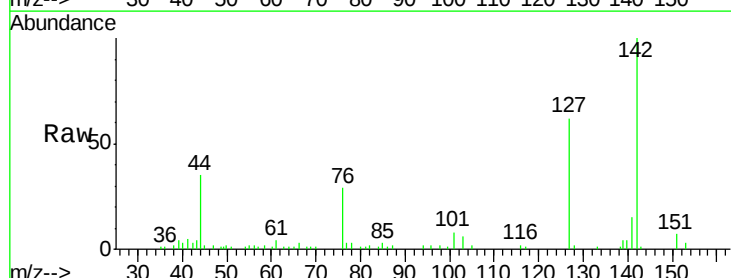
Tgt Ion:142 Resp: 62565

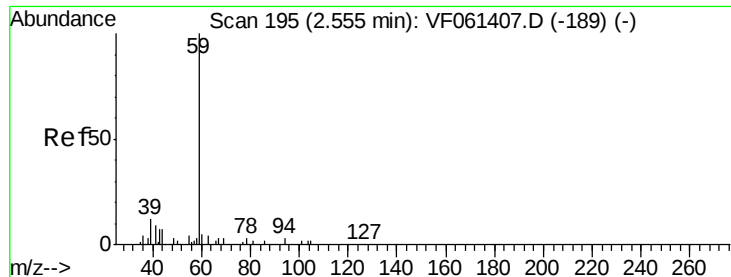
Ion Ratio Lower Upper

142 100

127 62.4 50.7 76.1

141 14.8 11.8 17.6



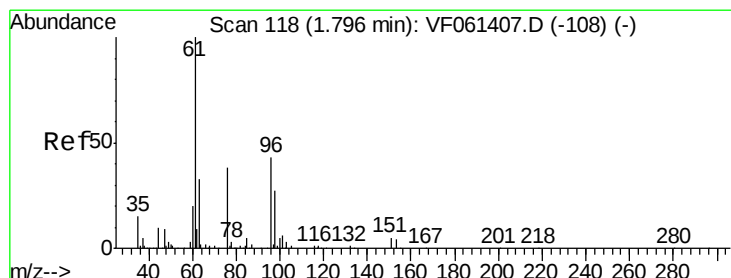
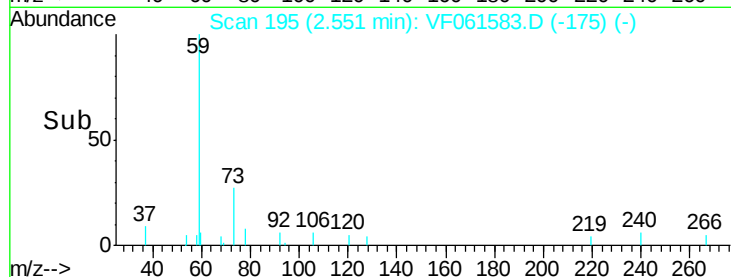
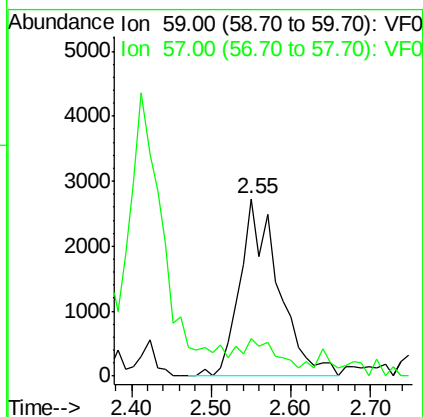
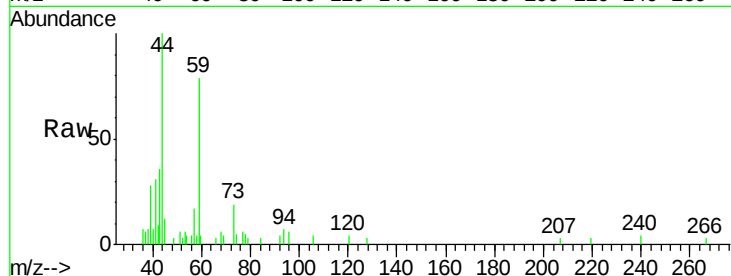


#11

Tert butyl alcohol
Concen: 100.662 ug/l
RT: 2.55 min Scan# 195
Delta R.T. -0.00 min
Lab File: VF061583.D
Acq: 11 Feb 2019 13:51

Instrument :
MSVOA_F
ClientSampleId :
VF0211SBS01

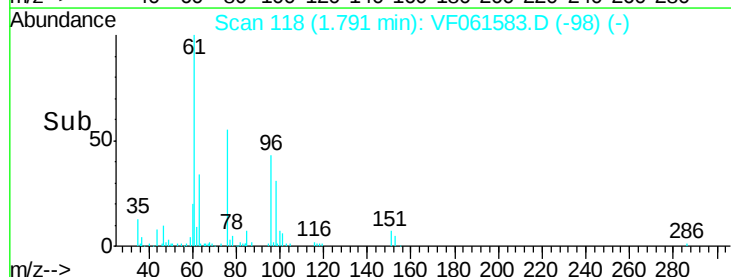
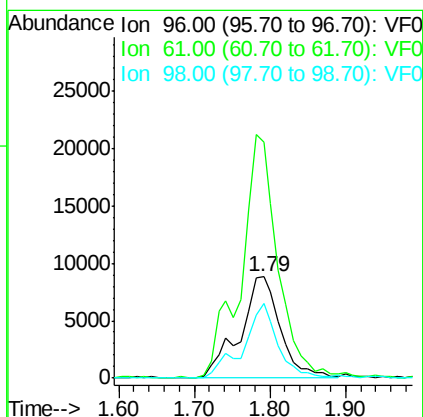
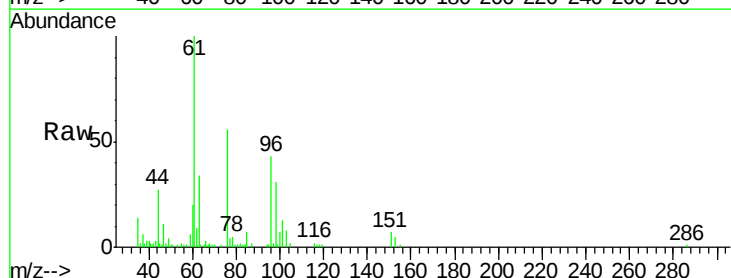
Tot Ion: 59 Resp: 9114
Ion Ratio Lower Upper
59 100
57 21.0 11.9 17.9#

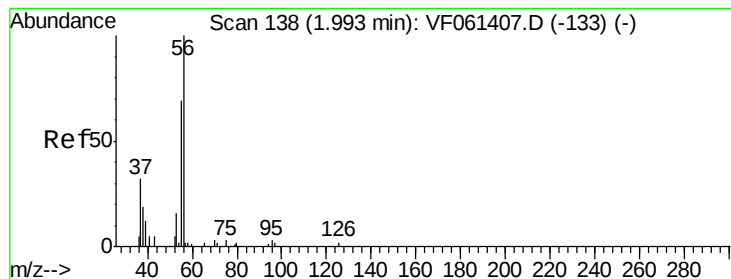


#12

1,1-Dichloroethene
Concen: 21.447 ug/l
RT: 1.79 min Scan# 118
Delta R.T. -0.00 min
Lab File: VF061583.D
Acq: 11 Feb 2019 13:51

Tgt Ion: 96 Resp: 33048
Ion Ratio Lower Upper
96 100
61 233.5 186.9 280.3
98 73.5 53.0 79.4





#13

Acrolein

Concen: 57.454 ug/l

RT: 1.99 min Scan# 138

Delta R.T. -0.00 min

Lab File: VF061583.D

Acq: 11 Feb 2019 13:51

Instrument :

MSVOA_F

ClientSampleId :

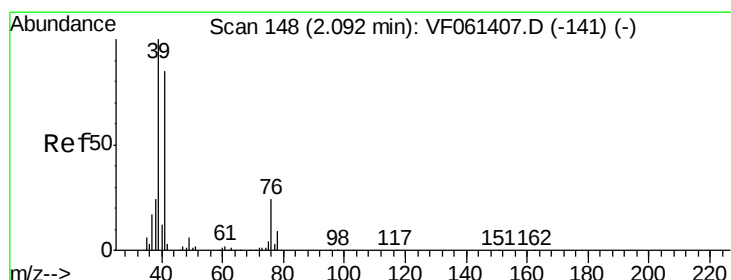
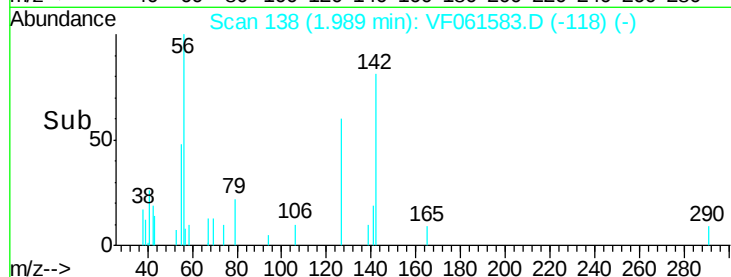
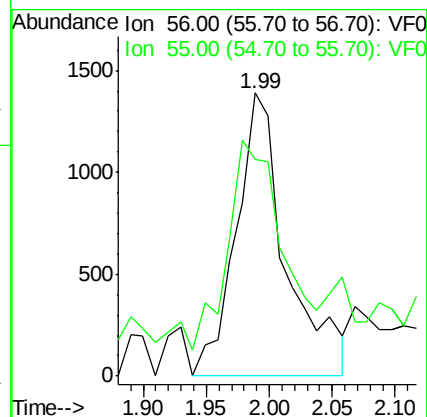
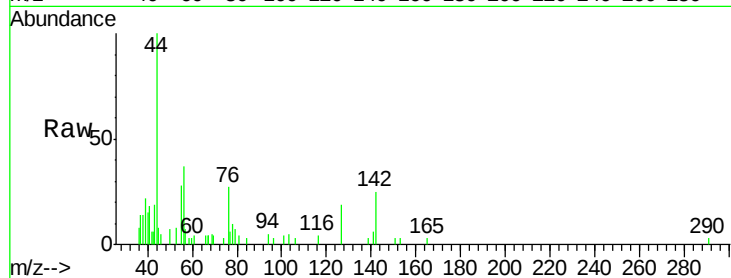
VF0211SBS01

Tot Ion: 56 Resp: 3833

Ion Ratio Lower Upper

56 100

55 76.7 57.5 86.3



#14

Allyl chloride

Concen: 27.126 ug/l

RT: 2.09 min Scan# 148

Delta R.T. -0.00 min

Lab File: VF061583.D

Acq: 11 Feb 2019 13:51

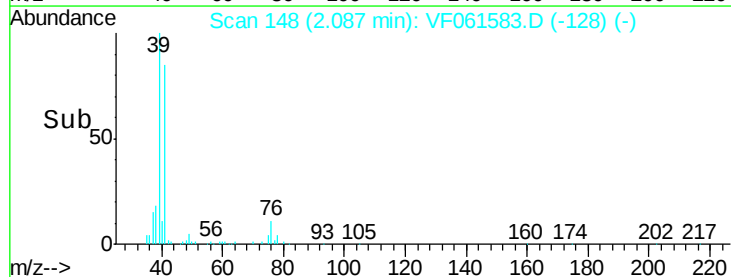
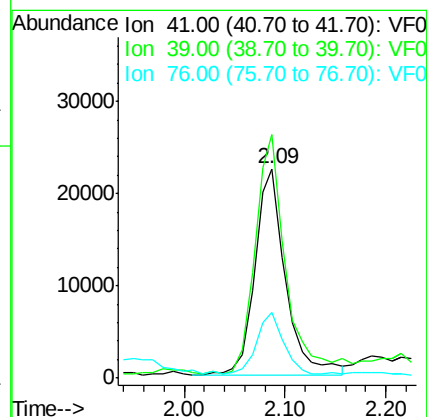
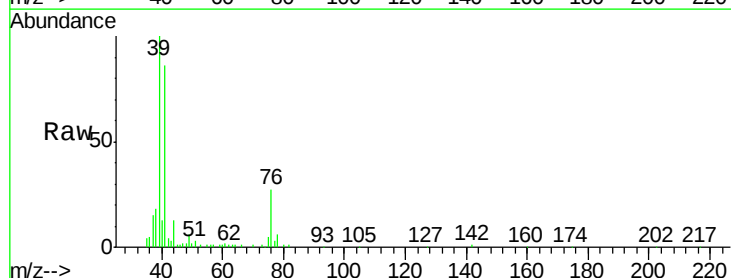
Tgt Ion: 41 Resp: 47767

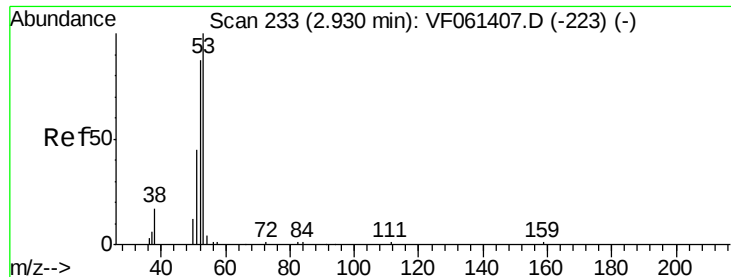
Ion Ratio Lower Upper

41 100

39 116.4 94.6 141.8

76 31.3 25.9 38.9





#15

Acrylonitrile

Concen: 102.833 ug/l

RT: 2.93 min Scan# 233

Delta R.T. -0.00 min

Lab File: VF061583.D

Acq: 11 Feb 2019 13:51

Instrument :

MSVOA_F

ClientSampleId :

VF0211SBS01

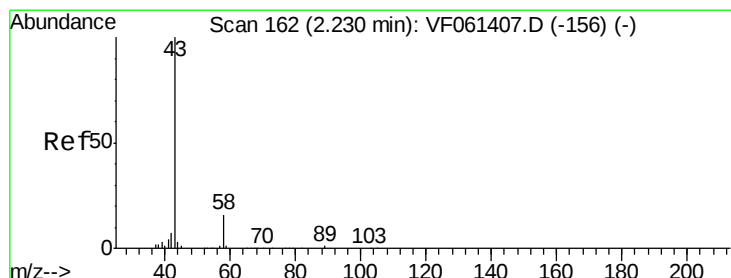
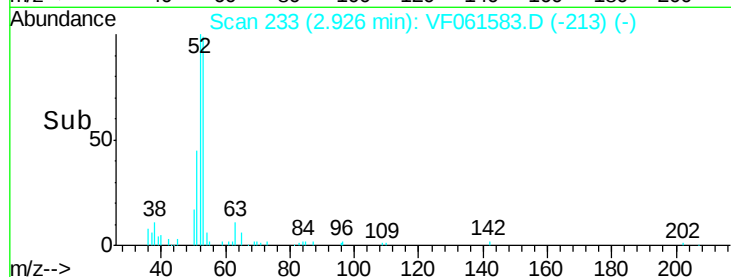
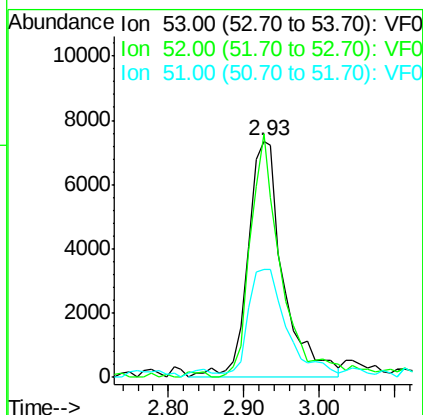
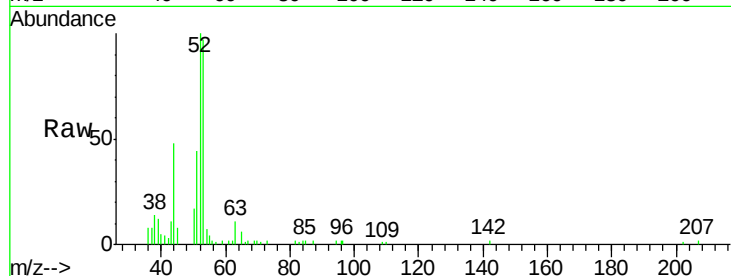
Tot Ion: 53 Resp: 23849

Ion Ratio Lower Upper

53 100

52 102.9 69.6 104.4

51 45.7 36.8 55.2



#16

Acetone

Concen: 130.744 ug/l

RT: 2.23 min Scan# 162

Delta R.T. -0.00 min

Lab File: VF061583.D

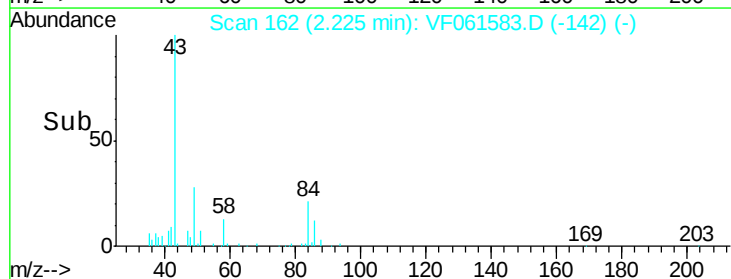
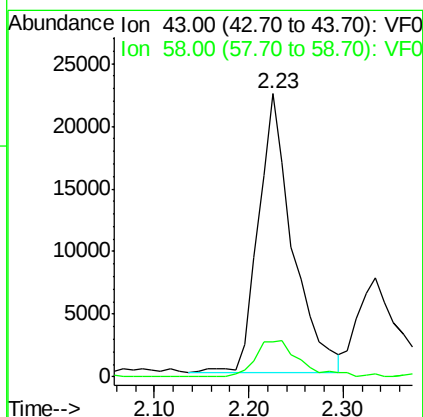
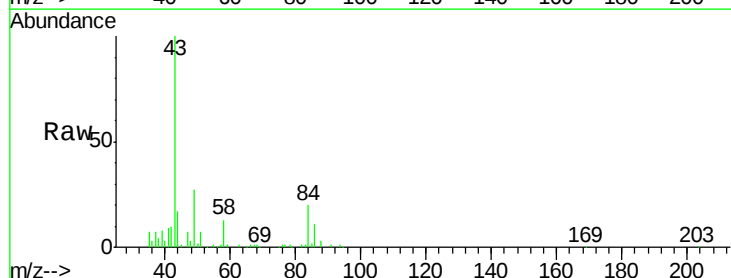
Acq: 11 Feb 2019 13:51

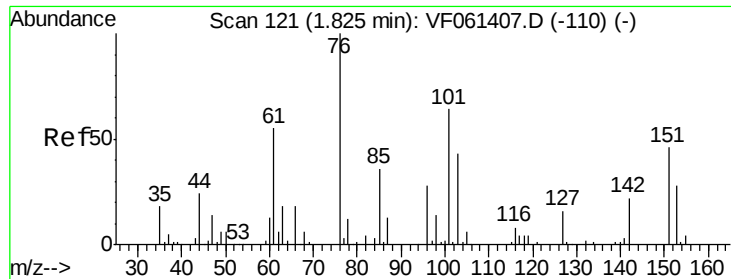
Tgt Ion: 43 Resp: 56104

Ion Ratio Lower Upper

43 100

58 12.5 13.3 19.9#

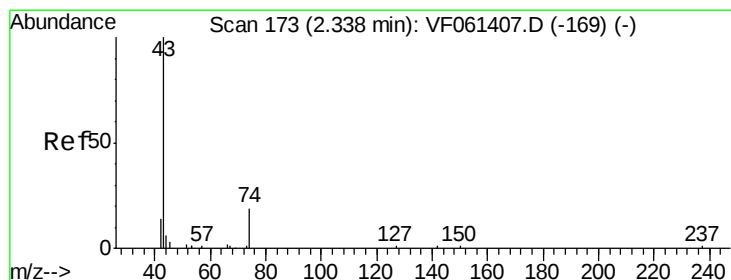
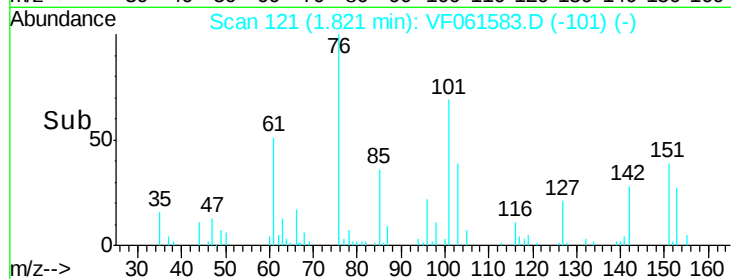
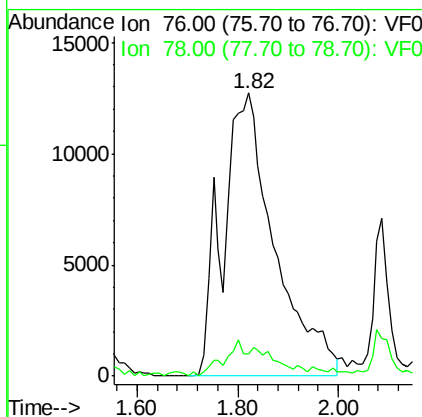
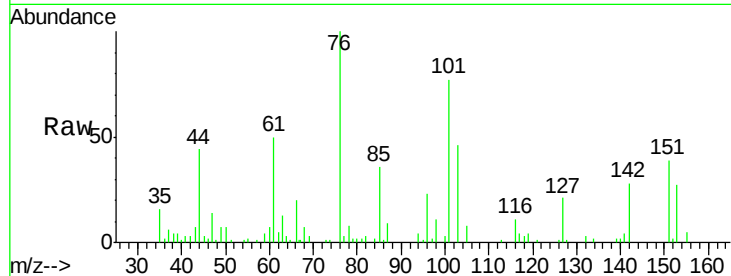




#17
Carbon Disulfide
Concen: 19.049 ug/l m
RT: 1.82 min Scan# 121
Delta R.T. -0.00 min
Lab File: VF061583.D
Acq: 11 Feb 2019 13:51

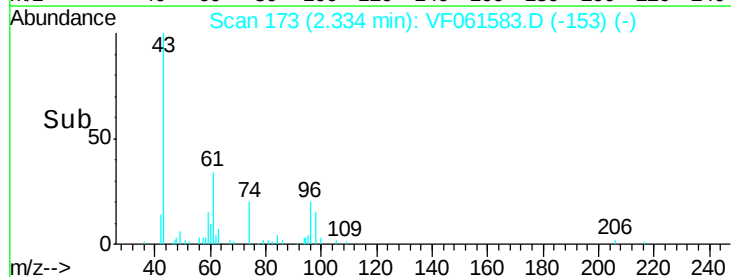
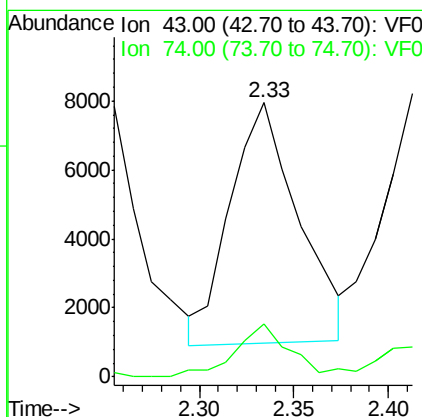
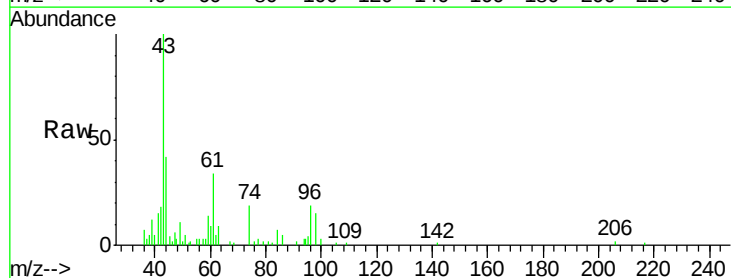
Instrument :
MSVOA_F
ClientSampleId :
VF0211SBS01

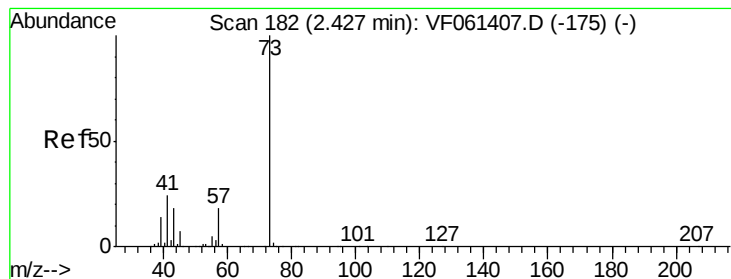
Tot Ion: 76 Resp: 91524
Ion Ratio Lower Upper
76 100
78 8.0 9.6 14.4#



#18
Methyl Acetate
Concen: 20.552 ug/l
RT: 2.33 min Scan# 173
Delta R.T. -0.00 min
Lab File: VF061583.D
Acq: 11 Feb 2019 13:51

Tgt Ion: 43 Resp: 17490
Ion Ratio Lower Upper
43 100
74 19.5 13.4 20.0



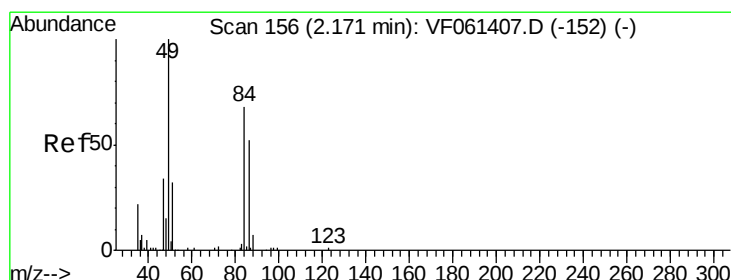
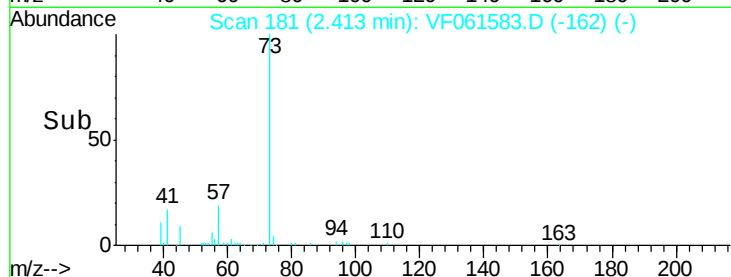
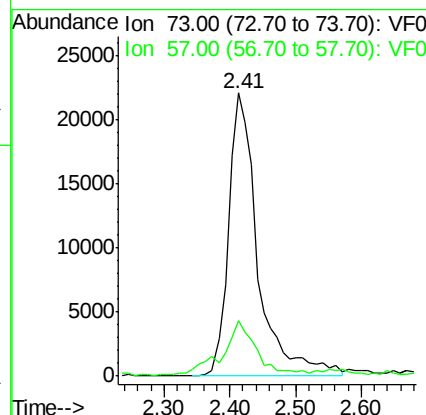
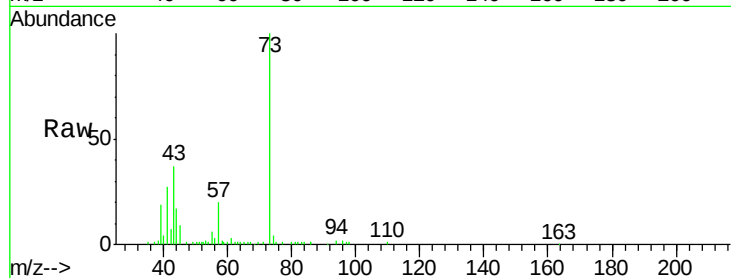


#19

Methyl tert-butyl Ether
 Concen: 19.952 ug/l
 RT: 2.41 min Scan# 181
 Delta R.T. -0.01 min
 Lab File: VF061583.D
 Acq: 11 Feb 2019 13:51

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0211SBS01

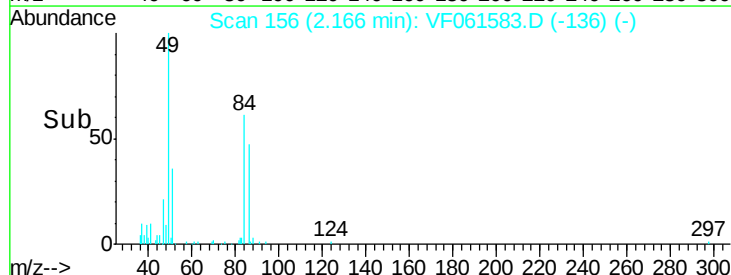
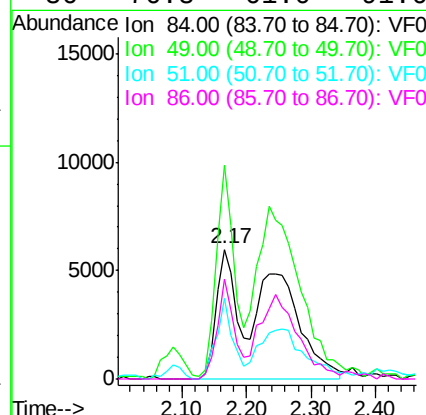
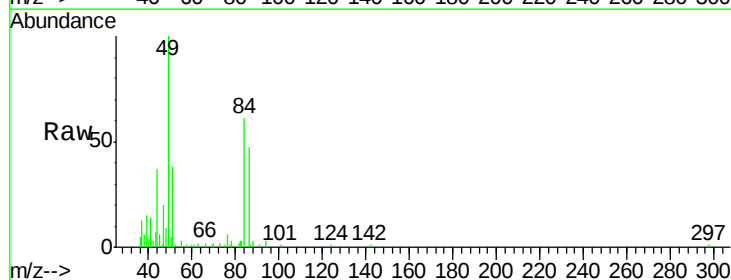
Tot Ion: 73 Resp: 68918
 Ion Ratio Lower Upper
 73 100
 57 19.7 14.8 22.2

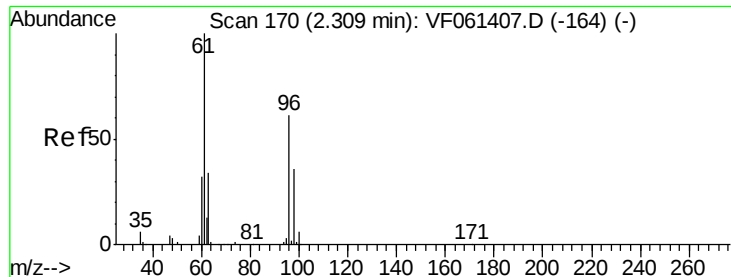


#20

Methylene Chloride
 Concen: 23.608 ug/l m
 RT: 2.17 min Scan# 156
 Delta R.T. -0.00 min
 Lab File: VF061583.D
 Acq: 11 Feb 2019 13:51

Tgt Ion: 84 Resp: 35739
 Ion Ratio Lower Upper
 84 100
 49 165.1 120.0 180.0
 51 62.2 38.6 58.0#
 86 76.8 61.0 91.6





#21

trans-1,2-Dichloroethene

Concen: 19.796 ug/l

RT: 2.29 min Scan# 169

Delta R.T. -0.01 min

Lab File: VF061583.D

Acq: 11 Feb 2019 13:51

Instrument :

MSVOA_F

ClientSampleId :

VF0211SBS01

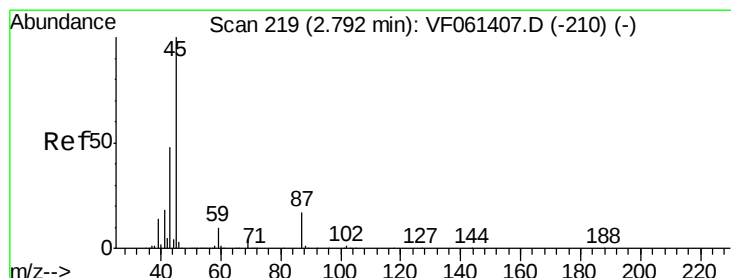
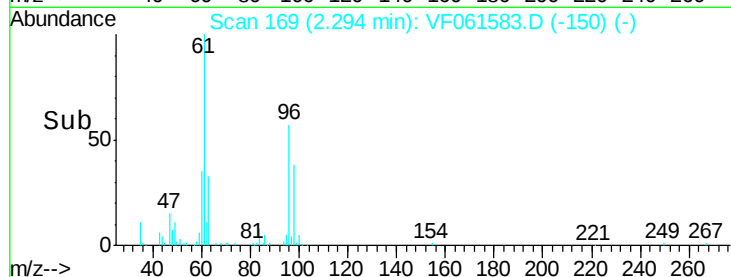
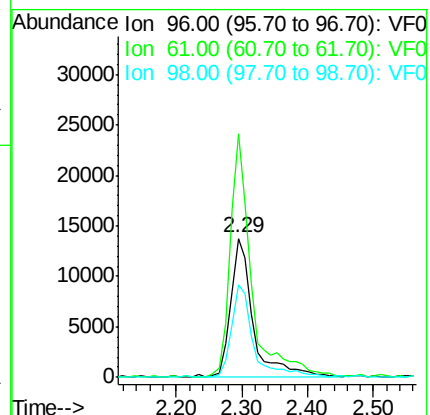
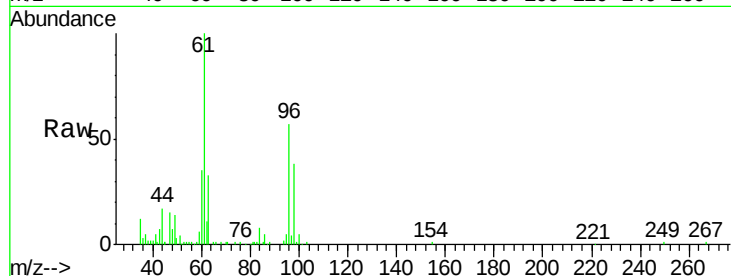
Tot Ion: 96 Resp: 33561

Ion Ratio Lower Upper

96 100

61 175.0 131.8 197.8

98 66.5 47.4 71.0



#22

Diisopropyl ether

Concen: 21.316 ug/l

RT: 2.79 min Scan# 219

Delta R.T. -0.00 min

Lab File: VF061583.D

Acq: 11 Feb 2019 13:51

Tgt Ion: 45 Resp: 116888

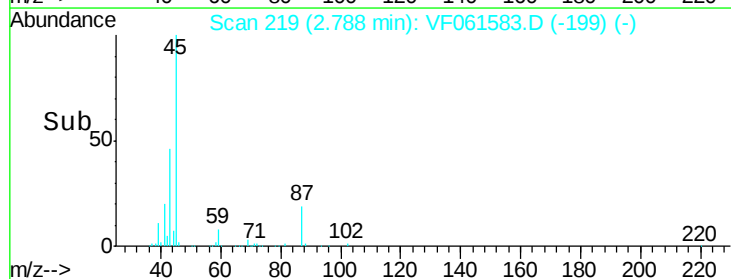
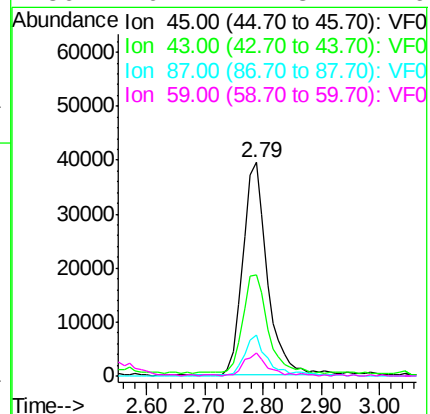
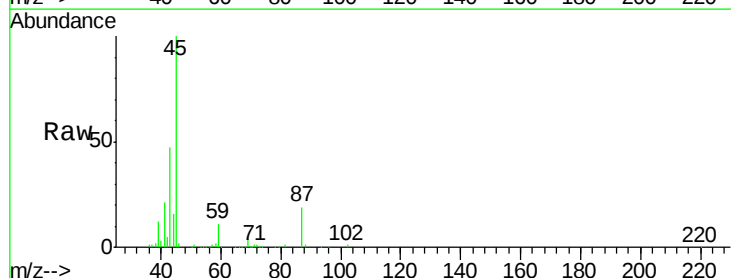
Ion Ratio Lower Upper

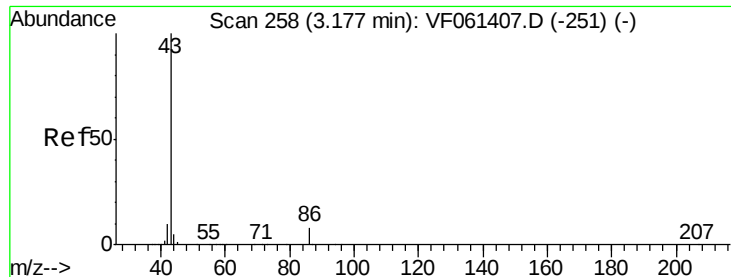
45 100

43 47.3 39.0 58.6

87 18.9 13.9 20.9

59 10.7 7.8 11.6





#23

Vinyl Acetate

Concen: 112.595 ug/l

RT: 3.17 min Scan# 258

Delta R.T. -0.00 min

Lab File: VF061583.D

Acq: 11 Feb 2019 13:51

Instrument :

MSVOA_F

ClientSampleId :

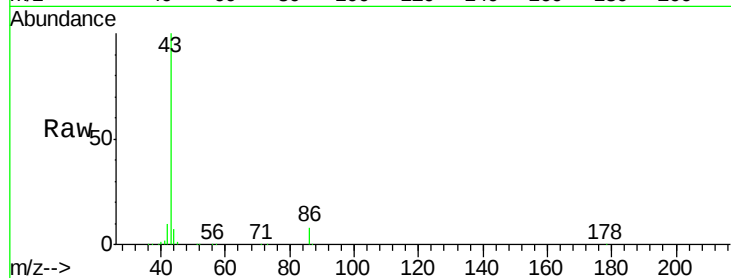
VF0211SBS01

Tot Ion: 43 Resp: 267282

Ion Ratio Lower Upper

43 100

86 8.1 6.2 9.4



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

120000

100000

80000

60000

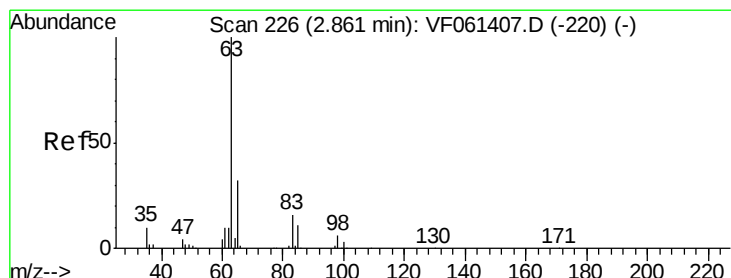
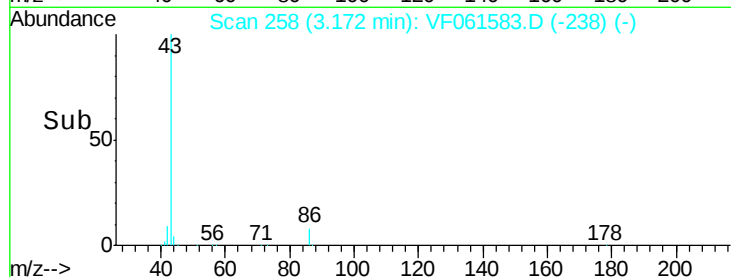
40000

20000

0

3.00 3.10 3.20 3.30 3.40

Time-->



#24

1,1-Dichloroethane

Concen: 21.145 ug/l

RT: 2.86 min Scan# 226

Delta R.T. -0.00 min

Lab File: VF061583.D

Acq: 11 Feb 2019 13:51

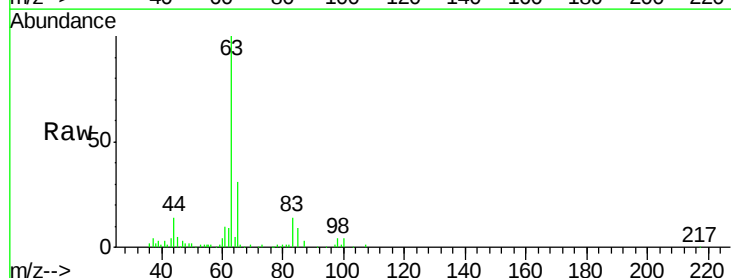
Tgt Ion: 63 Resp: 72772

Ion Ratio Lower Upper

63 100

98 4.4 2.9 8.8

100 4.0 1.6 4.8



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

30000

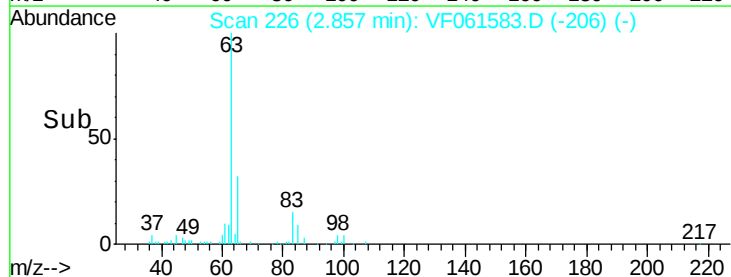
20000

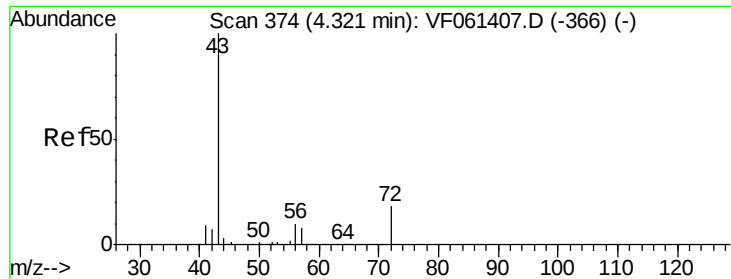
10000

0

2.70 2.80 2.90 3.00

Time-->





#25

2-Butanone

Concen: 114.318 ug/l

RT: 4.31 min Scan# 373

Delta R.T. -0.01 min

Lab File: VF061583.D

Acq: 11 Feb 2019 13:51

Instrument :

MSVOA_F

ClientSampleId :

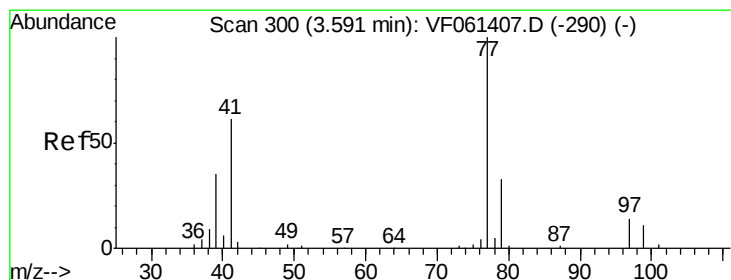
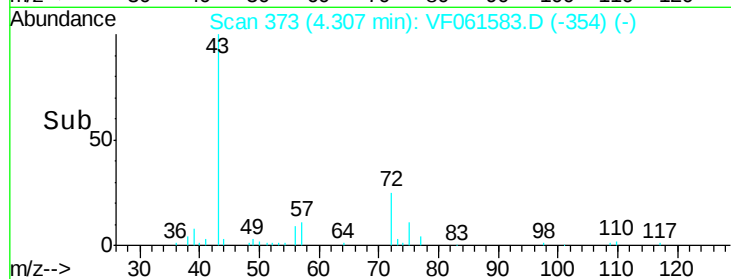
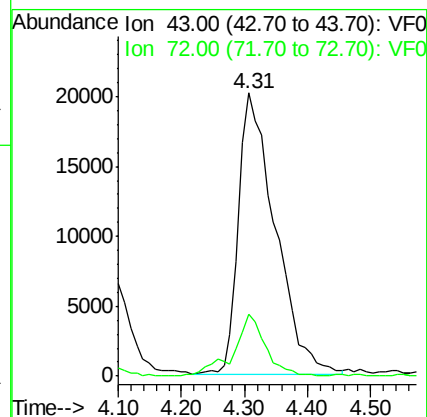
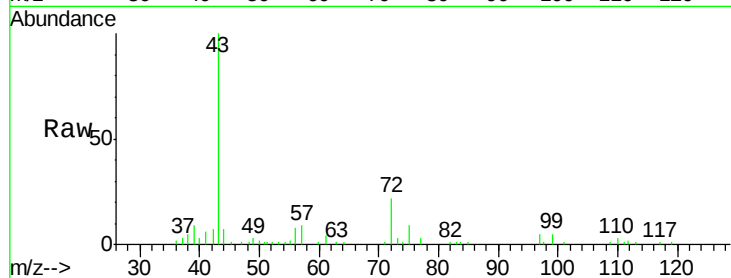
VF0211SBS01

Tot Ion: 43 Resp: 81577

Ion Ratio Lower Upper

43 100

72 22.0 15.8 23.6



#26

2,2-Dichloropropane

Concen: 19.876 ug/l

RT: 3.58 min Scan# 299

Delta R.T. -0.01 min

Lab File: VF061583.D

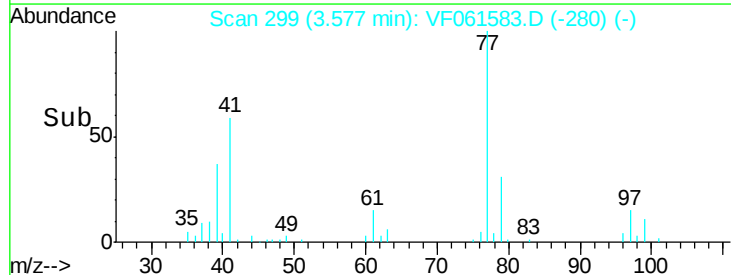
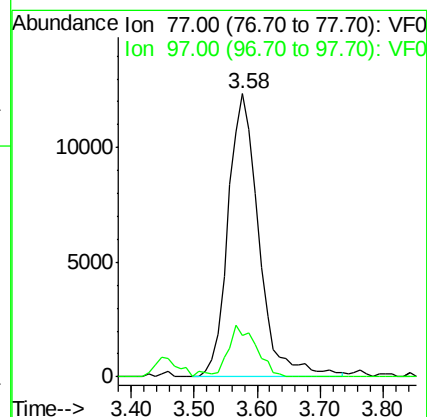
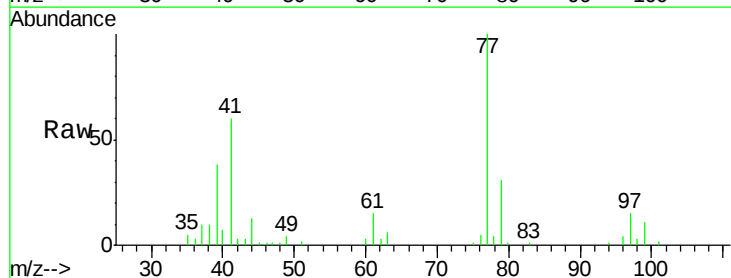
Acq: 11 Feb 2019 13:51

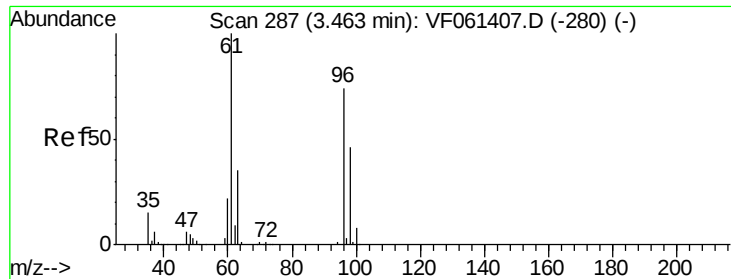
Tgt Ion: 77 Resp: 42027

Ion Ratio Lower Upper

77 100

97 14.5 8.5 25.5



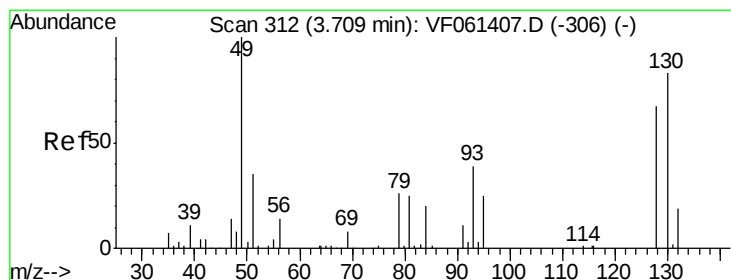
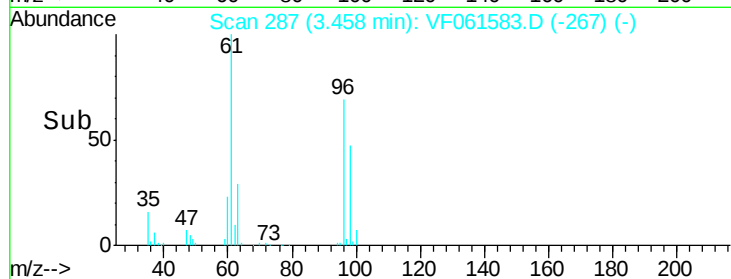
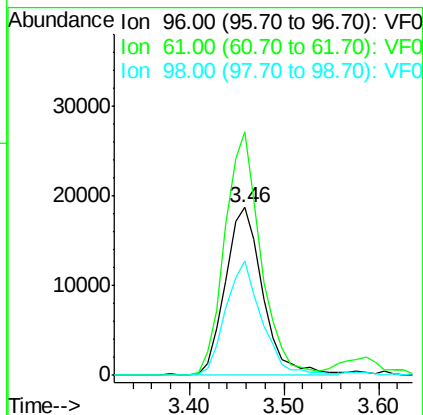
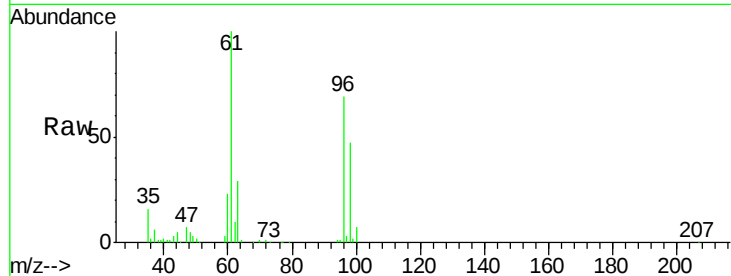


#27

cis-1,2-Dichloroethene
Concen: 20.563 ug/l
RT: 3.46 min Scan# 287
Delta R.T. -0.00 min
Lab File: VF061583.D
Acq: 11 Feb 2019 13:51

Instrument :
MSVOA_F
ClientSampleId :
VF0211SBS01

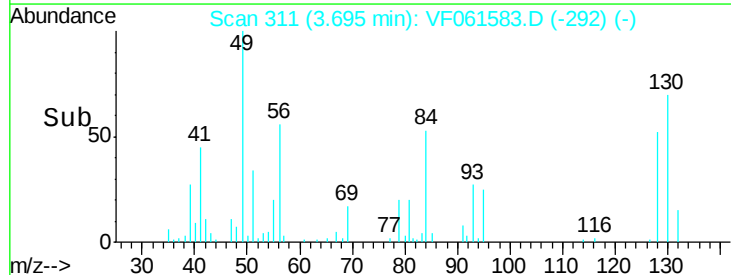
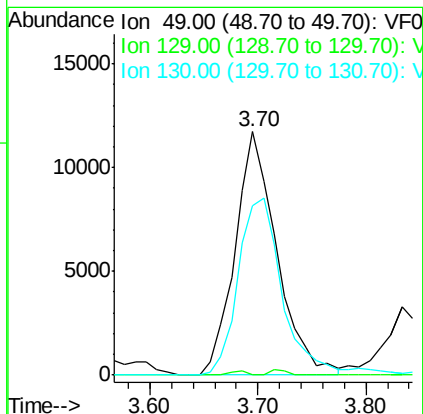
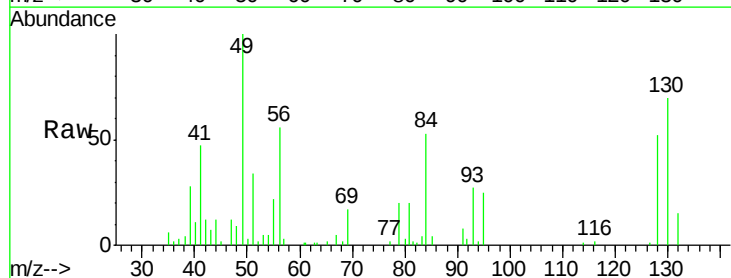
Tot Ion: 96 Resp: 51460
Ion Ratio Lower Upper
96 100
61 145.2 0.0 270.2
98 67.9 0.0 124.0

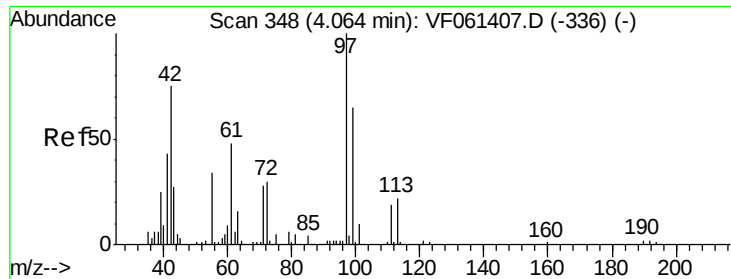


#28

Bromochloromethane
Concen: 20.329 ug/l
RT: 3.70 min Scan# 311
Delta R.T. -0.01 min
Lab File: VF061583.D
Acq: 11 Feb 2019 13:51

Tgt Ion: 49 Resp: 31450
Ion Ratio Lower Upper
49 100
129 0.0 0.0 0.0
130 69.6 65.4 98.2

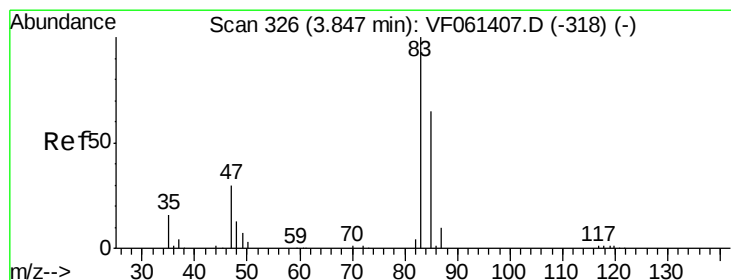
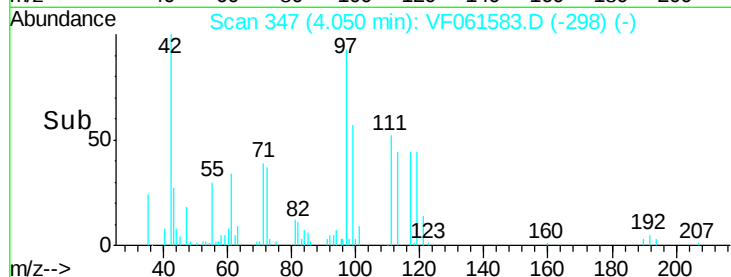
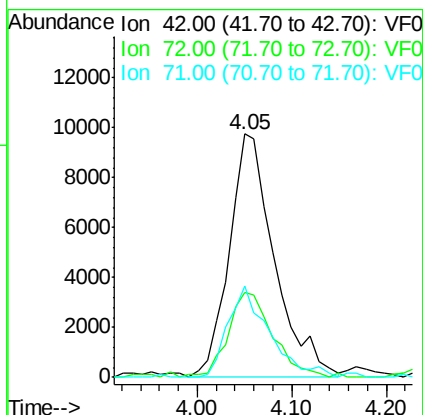
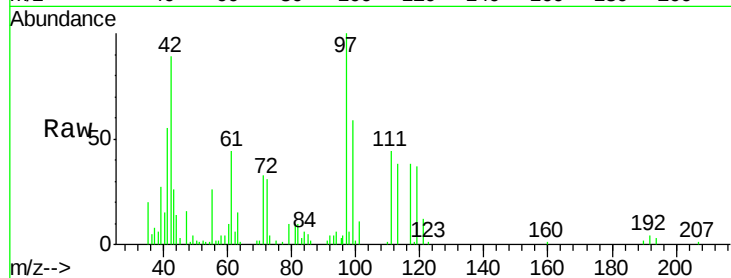




#29
Tetrahydrofuran
Concen: 105.338 ug/l
RT: 4.05 min Scan# 347
Delta R.T. -0.01 min
Lab File: VF061583.D
Acq: 11 Feb 2019 13:51

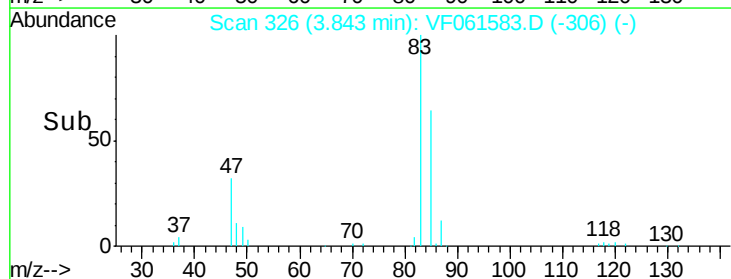
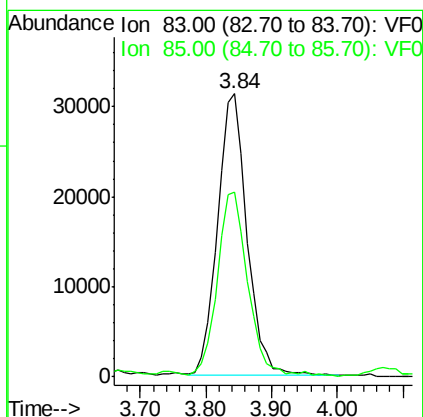
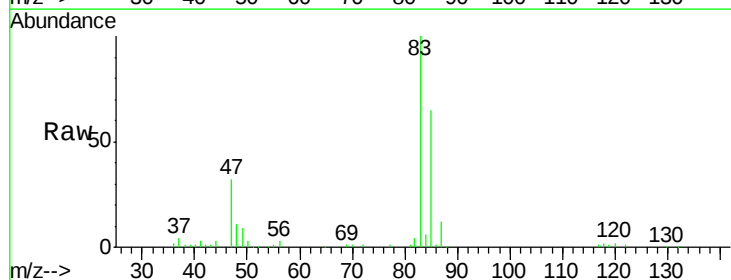
Instrument :
MSVOA_F
ClientSampleId :
VF0211SBS01

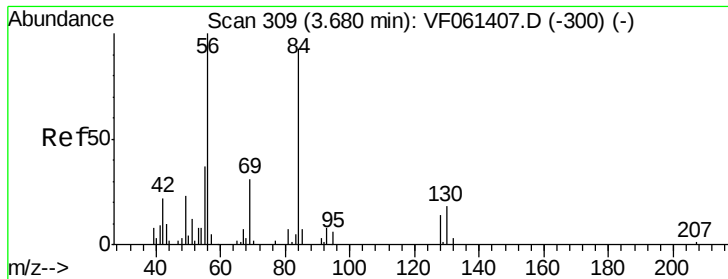
Tot Ion: 42 Resp: 32367
Ion Ratio Lower Upper
42 100
72 34.5 28.9 43.3
71 34.2 29.6 44.4



#30
Chloroform
Concen: 20.874 ug/l
RT: 3.84 min Scan# 326
Delta R.T. -0.00 min
Lab File: VF061583.D
Acq: 11 Feb 2019 13:51

Tgt Ion: 83 Resp: 96952
Ion Ratio Lower Upper
83 100
85 65.5 52.7 79.1





#31

Cvclohexane

Concen: 19.679 ug/l m

RT: 3.67 min Scan# 308

Delta R.T. -0.01 min

Lab File: VF061583.D

Acq: 11 Feb 2019 13:51

Instrument :

MSVOA_F

ClientSampleId :

VF0211SBS01

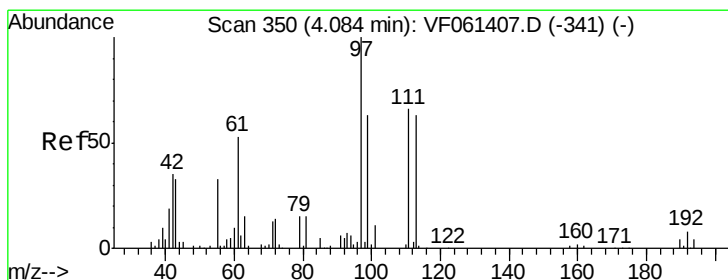
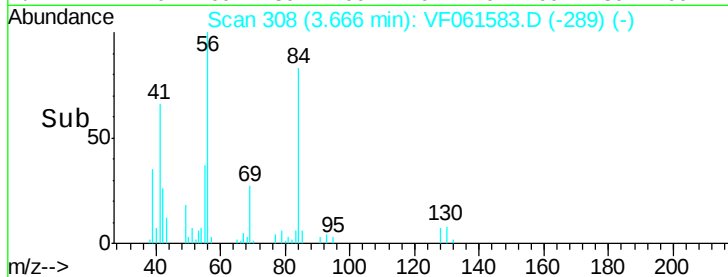
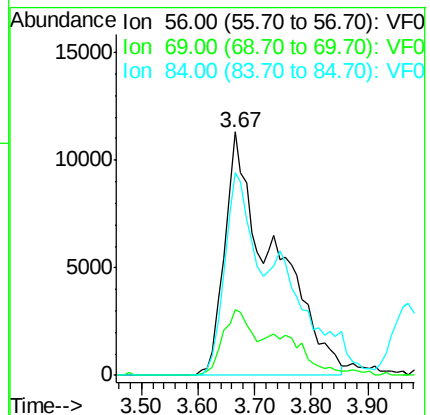
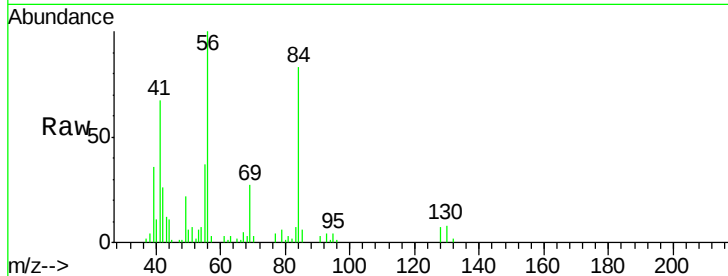
Tot Ion: 56 Resp: 67653

Ion Ratio Lower Upper

56 100

69 26.9 24.6 36.8

84 83.3 74.2 111.2



#32

1,1,1-Trichloroethane

Concen: 17.617 ug/l

RT: 4.07 min Scan# 349

Delta R.T. -0.01 min

Lab File: VF061583.D

Acq: 11 Feb 2019 13:51

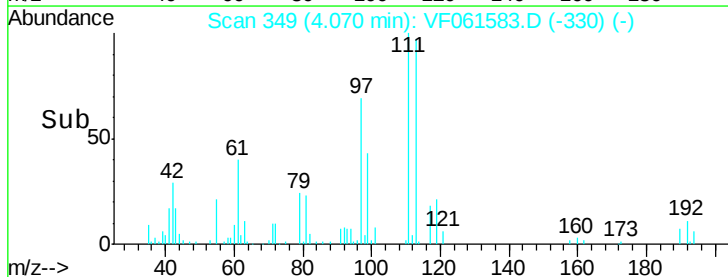
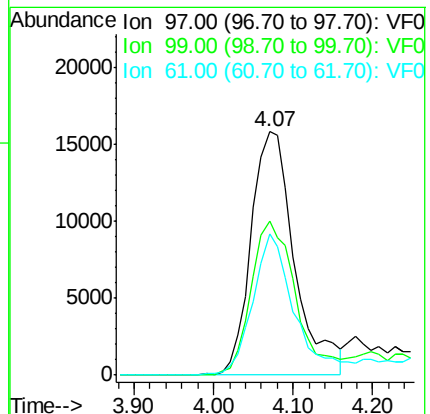
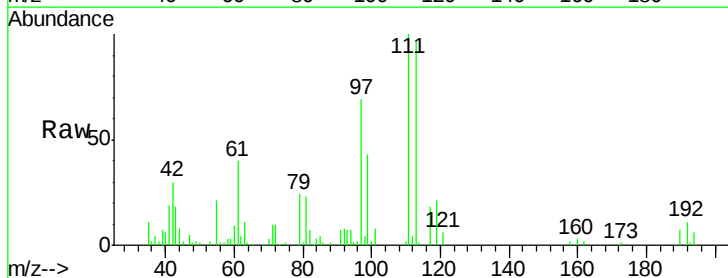
Tgt Ion: 97 Resp: 59996

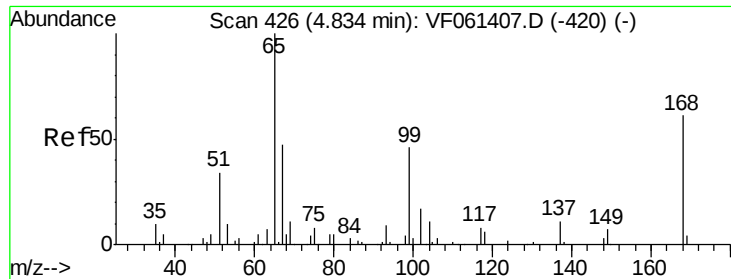
Ion Ratio Lower Upper

97 100

99 63.0 50.1 75.1

61 57.8 43.1 64.7





#33

1,2-Dichloroethane-d4

Concen: 51.063 ug/l

RT: 4.82 min Scan# 425

Delta R.T. -0.01 min

Lab File: VF061583.D

Acq: 11 Feb 2019 13:51

Instrument :

MSVOA_F

ClientSampleId :

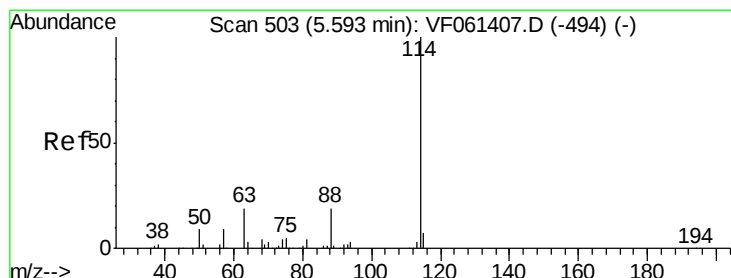
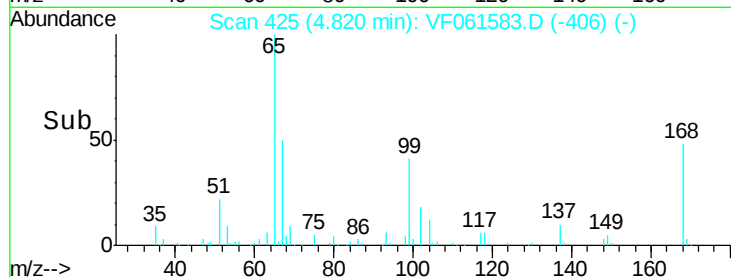
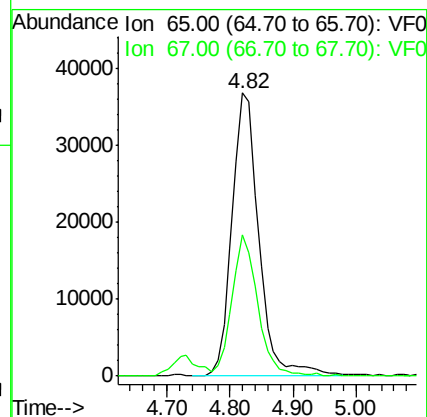
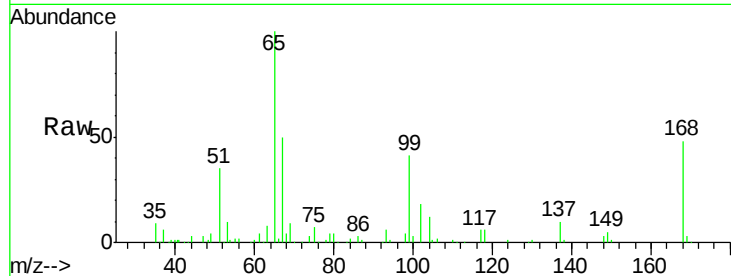
VF0211SBS01

Tot Ion: 65 Resp: 109224

Ion Ratio Lower Upper

65 100

67 50.0 0.0 99.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.58 min Scan# 502

Delta R.T. -0.01 min

Lab File: VF061583.D

Acq: 11 Feb 2019 13:51

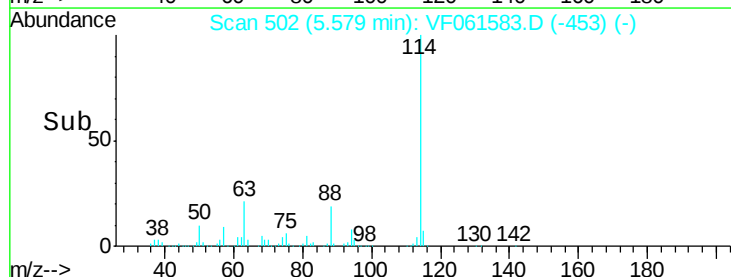
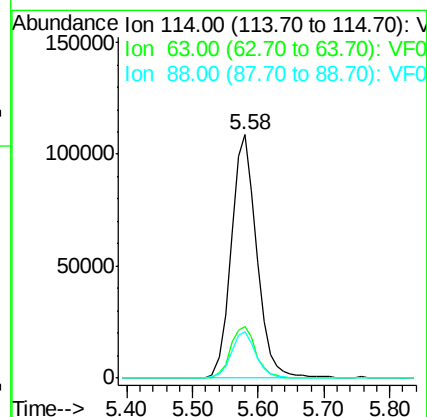
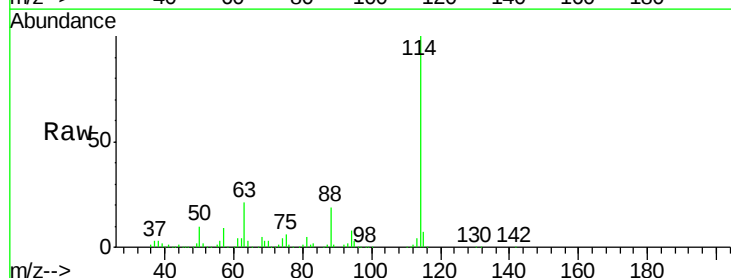
Tgt Ion: 114 Resp: 295846

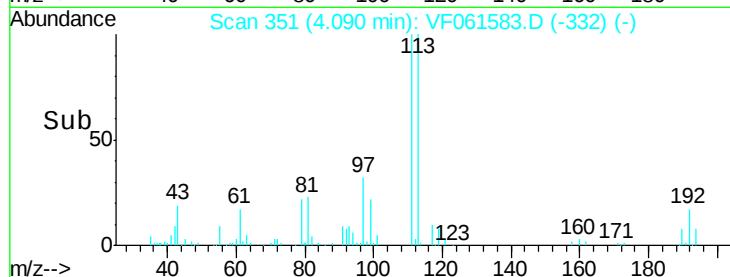
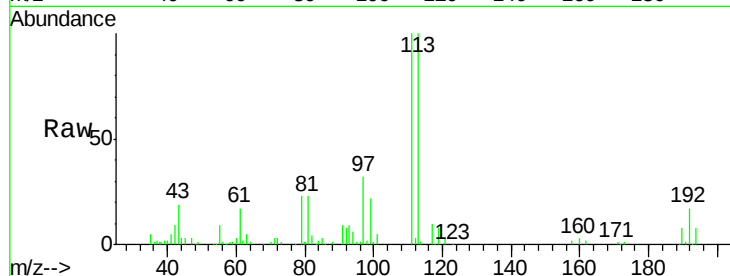
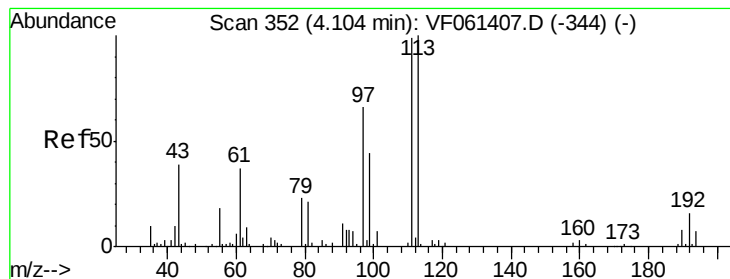
Ion Ratio Lower Upper

114 100

63 21.0 0.0 39.0

88 19.0 0.0 37.4





#35

Dibromofluoromethane

Concen: 52.875 ug/l

RT: 4.09 min Scan# 351

Delta R.T. -0.01 min

Lab File: VF061583.D

Acq: 11 Feb 2019 13:51

Instrument :

MSVOA_F

ClientSampleId :

VF0211SBS01

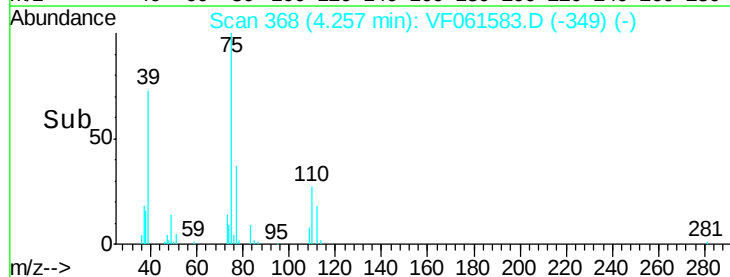
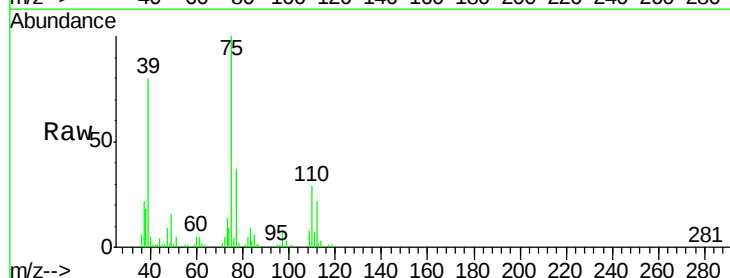
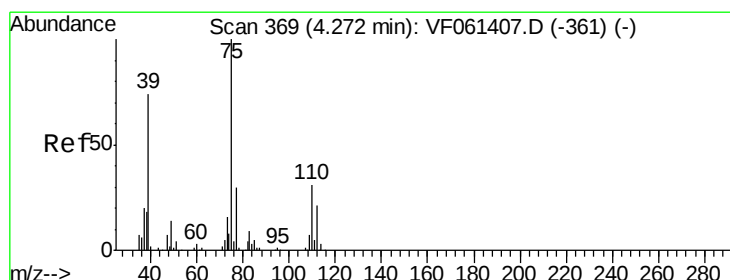
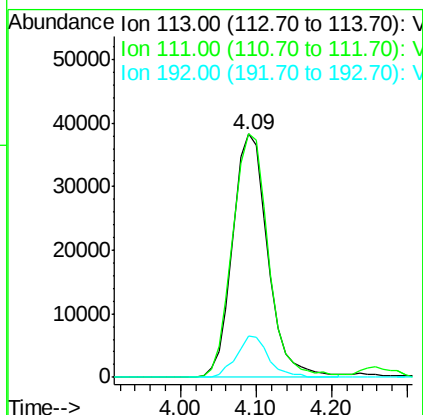
Tot Ion:113 Resp: 123435

Ion Ratio Lower Upper

113 100

111 100.1 79.4 119.0

192 17.3 12.4 18.6



#36

1,1-Dichloropropene

Concen: 19.563 ug/l

RT: 4.26 min Scan# 368

Delta R.T. -0.01 min

Lab File: VF061583.D

Acq: 11 Feb 2019 13:51

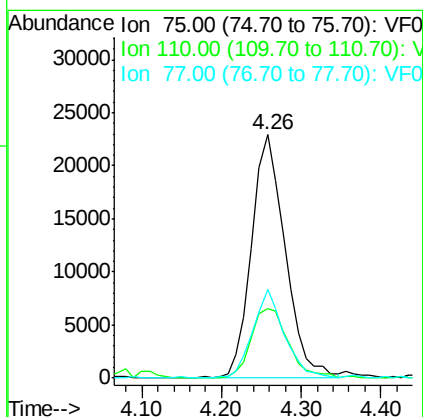
Tgt Ion: 75 Resp: 67106

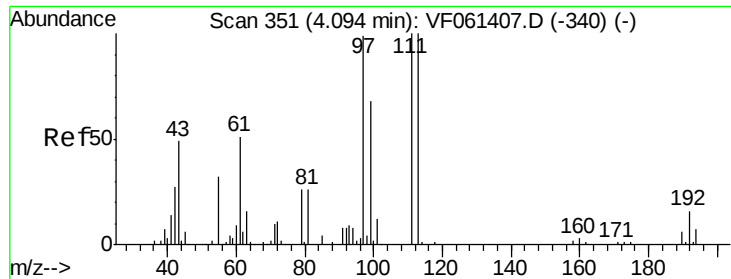
Ion Ratio Lower Upper

75 100

110 28.5 15.8 47.3

77 36.7 24.0 36.0#





#37

Ethyl Acetate

Concen: 21.319 ug/l

RT: 4.09 min Scan# 351

Delta R.T. -0.00 min

Lab File: VF061583.D

Acq: 11 Feb 2019 13:51

Instrument :

MSVOA_F

ClientSampleId :

VF0211SBS01

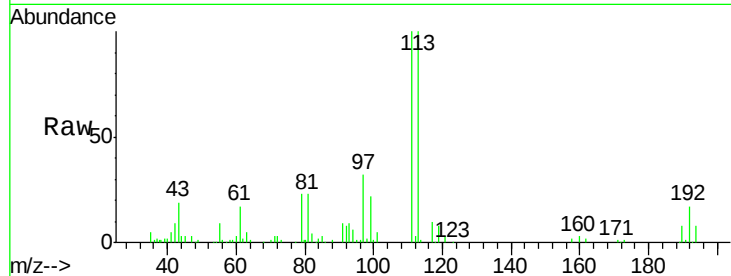
Tot Ion: 43 Resp: 29232

Ion Ratio Lower Upper

43 100

61 85.6 81.7 122.5

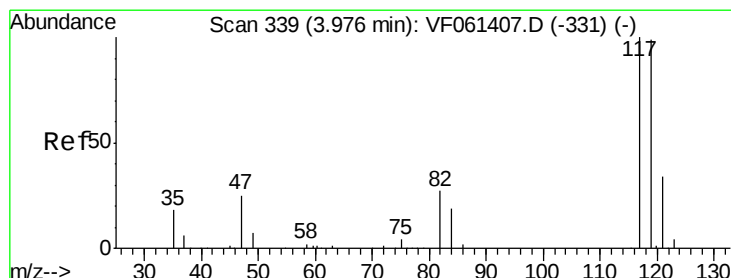
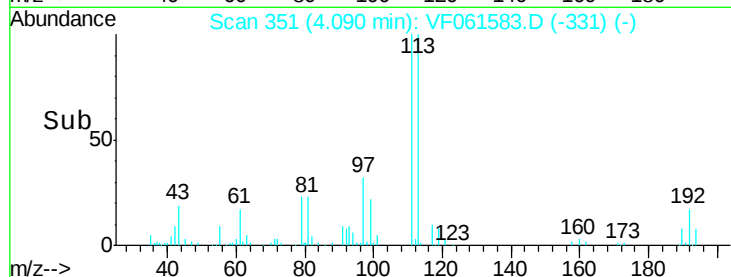
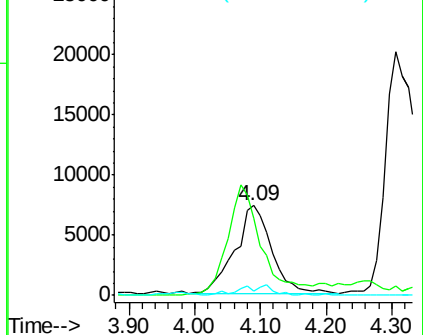
70 4.3 6.2 9.2#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0



#38

Carbon Tetrachloride

Concen: 19.705 ug/l

RT: 3.97 min Scan# 339

Delta R.T. -0.00 min

Lab File: VF061583.D

Acq: 11 Feb 2019 13:51

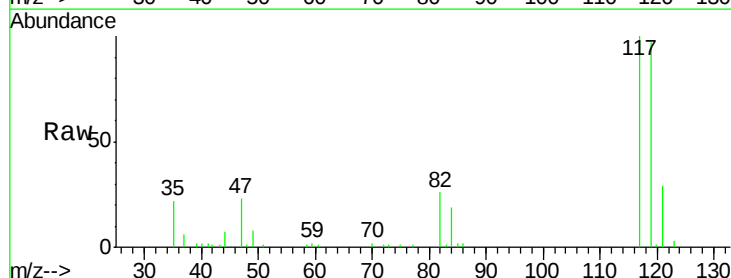
Tgt Ion: 117 Resp: 59090

Ion Ratio Lower Upper

117 100

119 97.5 79.0 118.6

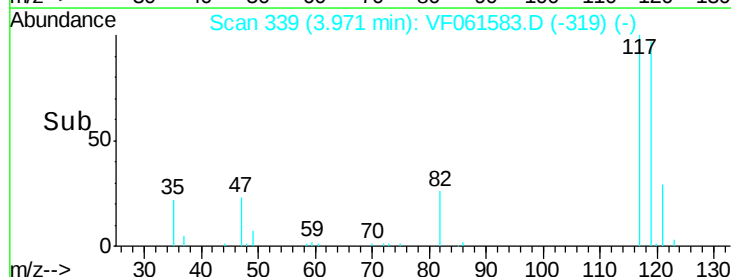
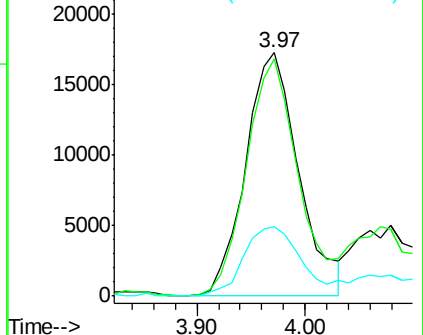
121 28.8 27.0 40.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V

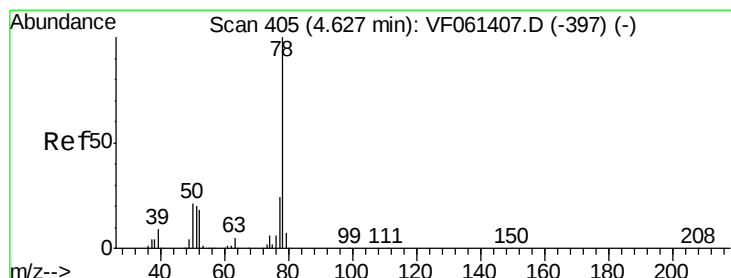
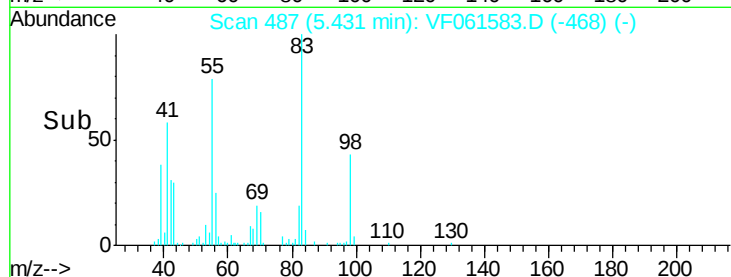
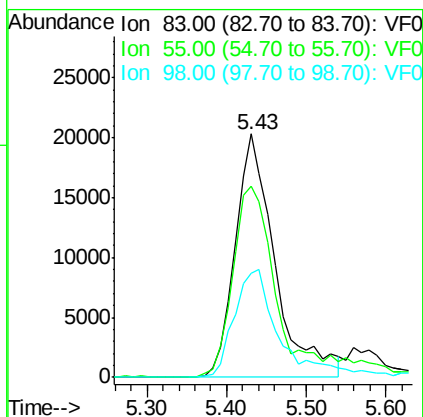
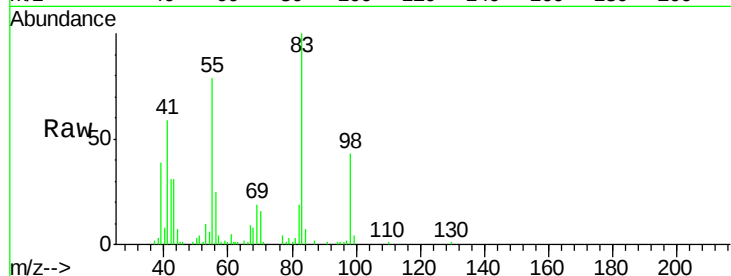




#39
Methvlcvclohexane
Concen: 18.991 ug/l
RT: 5.43 min Scan# 487
Delta R.T. -0.01 min
Lab File: VF061583.D
Acq: 11 Feb 2019 13:51

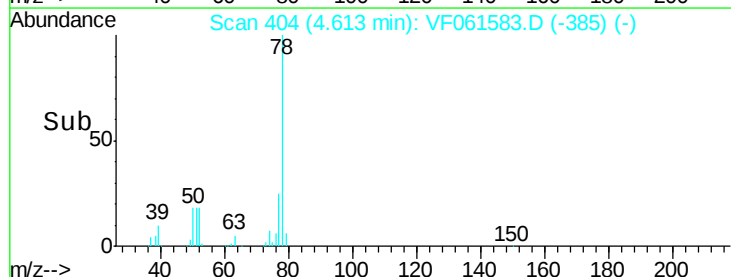
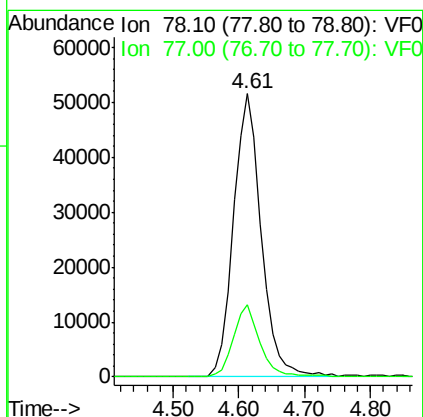
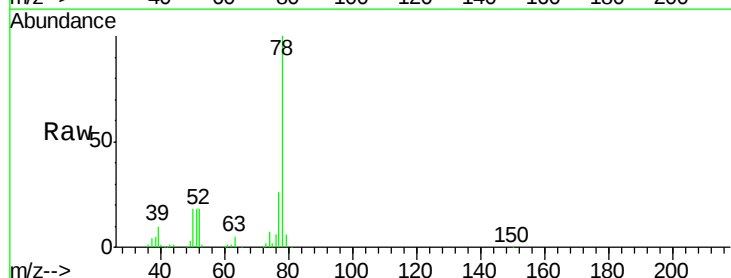
Instrument :
MSVOA_F
ClientSampleId :
VF0211SBS01

Tot Ion: 83 Resp: 70598
Ion Ratio Lower Upper
83 100
55 78.7 67.4 101.2
98 42.7 36.7 55.1



#40
Benzene
Concen: 20.021 ug/l
RT: 4.61 min Scan# 404
Delta R.T. -0.01 min
Lab File: VF061583.D
Acq: 11 Feb 2019 13:51

Tgt Ion: 78 Resp: 152814
Ion Ratio Lower Upper
78 100
77 25.6 19.0 28.6

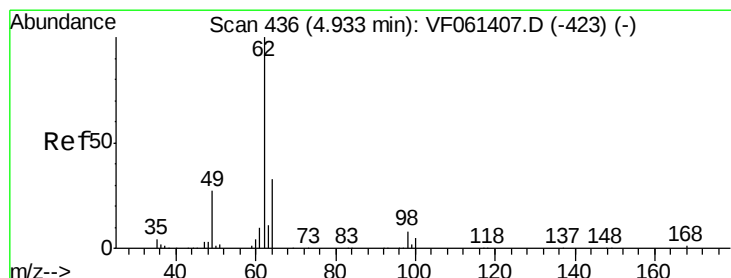
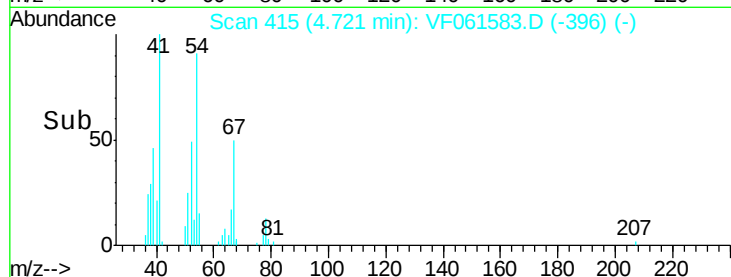
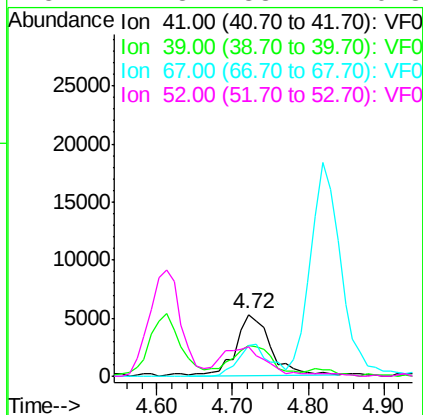
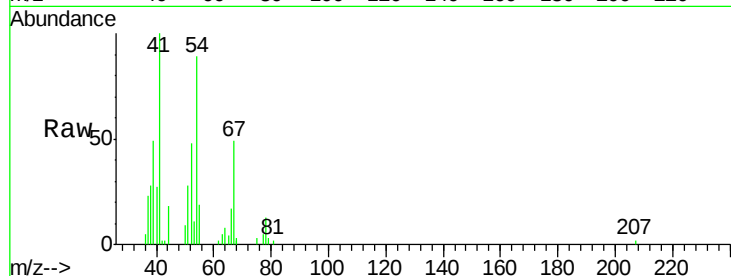




#41
Methacrylonitrile
Concen: 22.193 ug/l
RT: 4.72 min Scan# 415
Delta R.T. -0.01 min
Lab File: VF061583.D
Acq: 11 Feb 2019 13:51

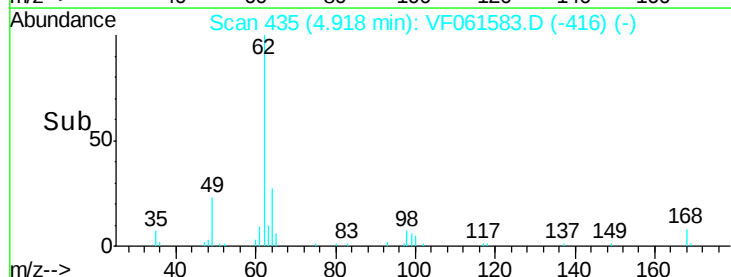
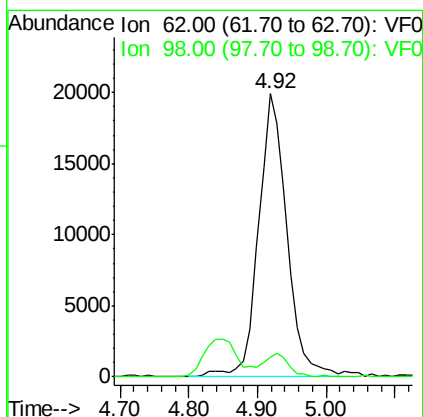
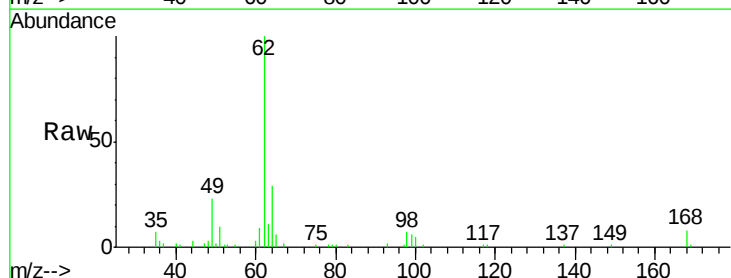
Instrument :
MSVOA_F
ClientSampleId :
VF0211SBS01

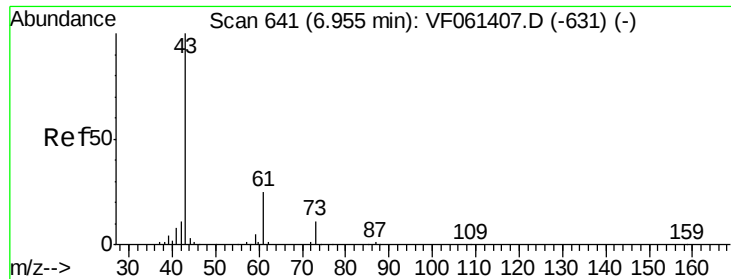
Tot Ion:	41	Resp:	16192
Ion	Ratio	Lower	Upper
41	100		
39	49.0	43.1	64.7
67	48.9	38.8	58.2
52	47.8	33.2	49.8



#42
1,2-Dichloroethane
Concen: 21.063 ug/l
RT: 4.92 min Scan# 435
Delta R.T. -0.01 min
Lab File: VF061583.D
Acq: 11 Feb 2019 13:51

Tgt Ion:	62	Resp:	57288
Ion	Ratio	Lower	Upper
62	100		
98	6.8	0.0	17.0



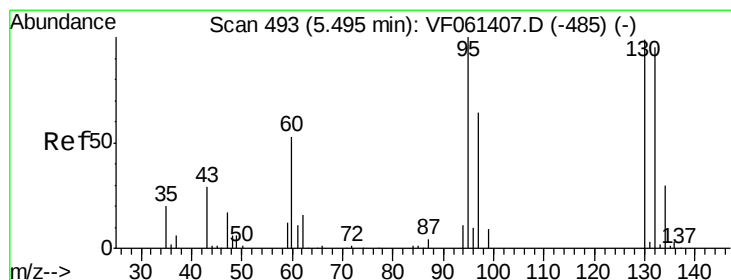
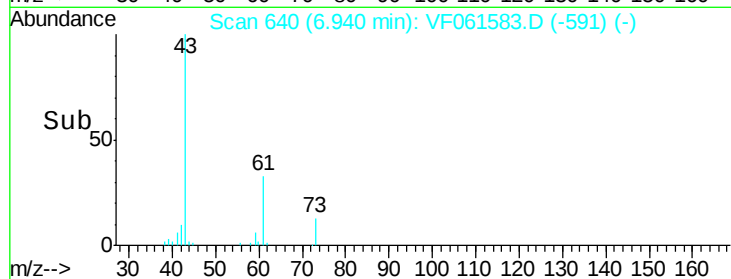
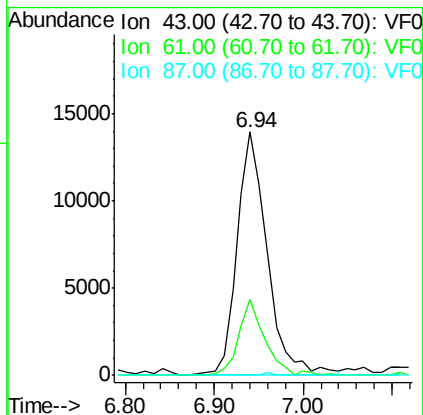
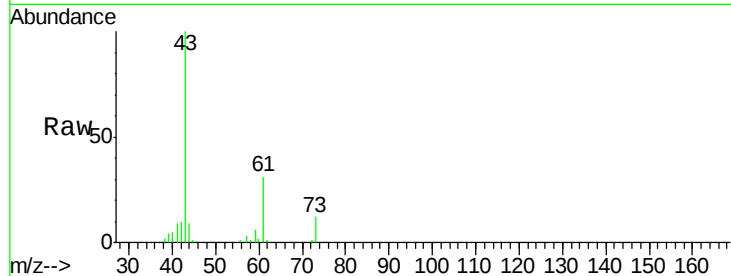


#43

Isopropyl Acetate
 Concen: 19.168 ug/l
 RT: 6.94 min Scan# 640
 Delta R.T. -0.01 min
 Lab File: VF061583.D
 Acq: 11 Feb 2019 13:51

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0211SBS01

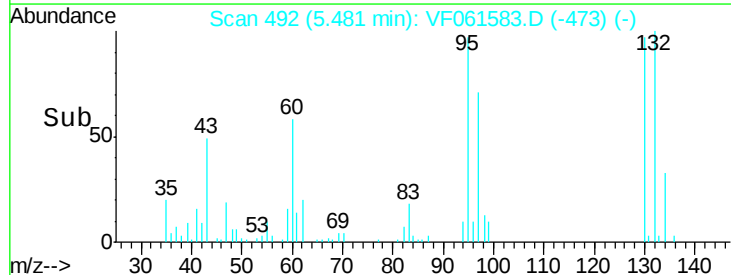
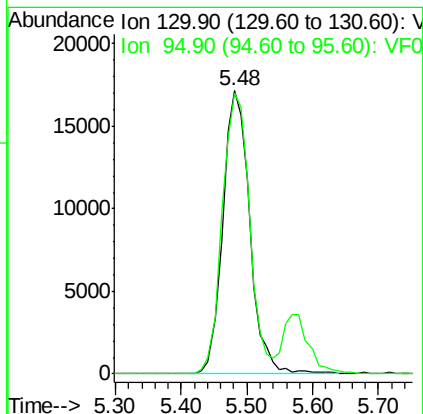
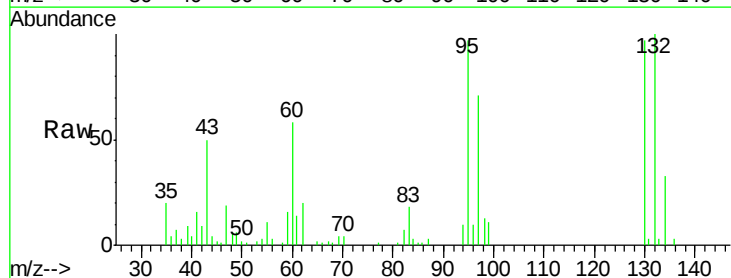
Tot Ion: 43 Resp: 32986
 Ion Ratio Lower Upper
 43 100
 61 31.0 20.3 30.5#
 87 0.0 0.5 0.7#

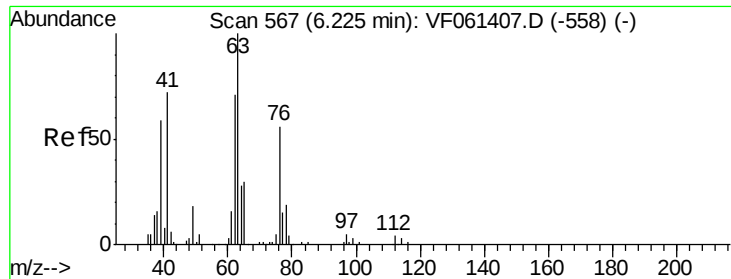


#44

Trichloroethene
 Concen: 21.053 ug/l
 RT: 5.48 min Scan# 492
 Delta R.T. -0.01 min
 Lab File: VF061583.D
 Acq: 11 Feb 2019 13:51

Tgt Ion: 130 Resp: 49294
 Ion Ratio Lower Upper
 130 100
 95 99.1 0.0 202.8





#45

1,2-Dichloropropane

Concen: 19.810 ug/l

RT: 6.21 min Scan# 566

Delta R.T. -0.01 min

Lab File: VF061583.D

Acq: 11 Feb 2019 13:51

Instrument :

MSVOA_F

ClientSampleId :

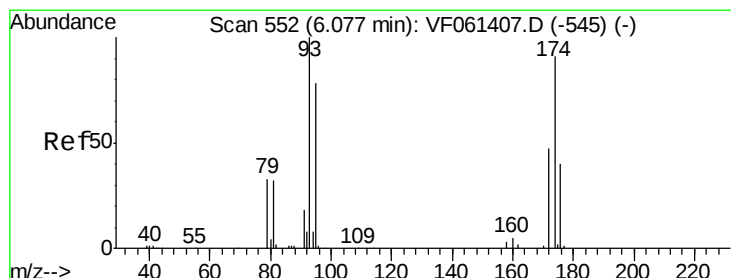
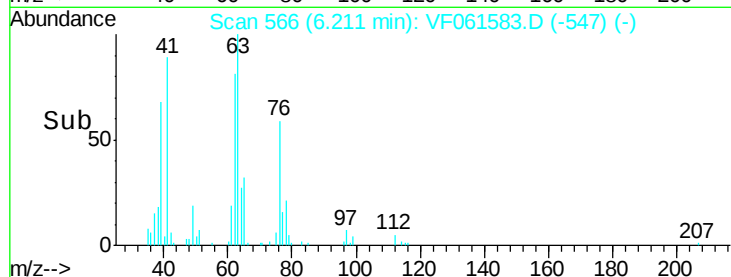
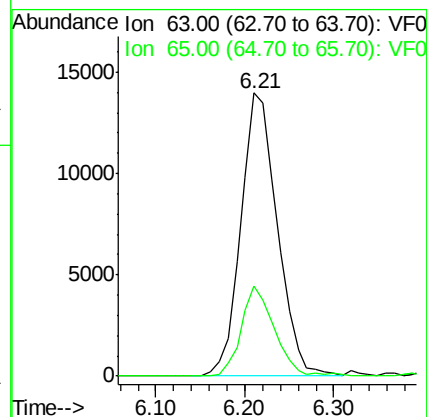
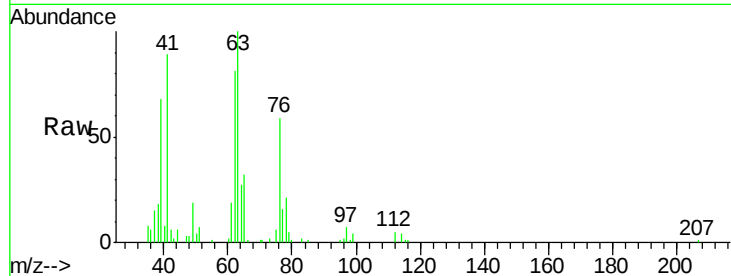
VF0211SBS01

Tot Ion: 63 Resp: 39685

Ion Ratio Lower Upper

63 100

65 32.0 24.4 36.6



#46

Dibromomethane

Concen: 19.051 ug/l

RT: 6.06 min Scan# 551

Delta R.T. -0.01 min

Lab File: VF061583.D

Acq: 11 Feb 2019 13:51

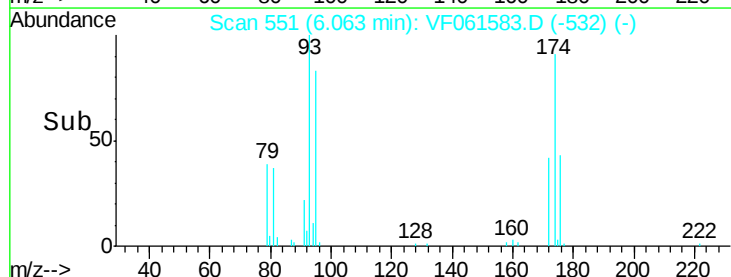
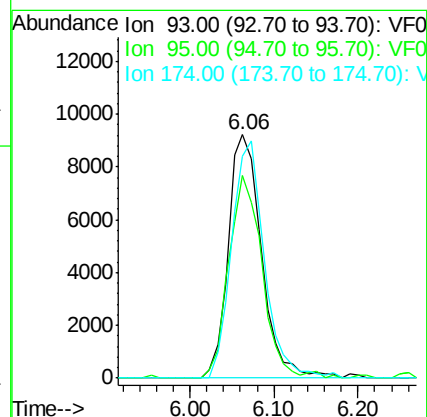
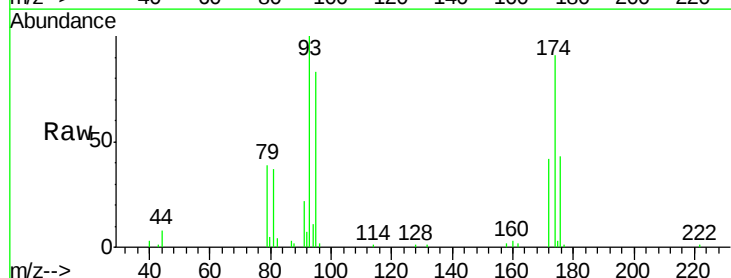
Tgt Ion: 93 Resp: 25377

Ion Ratio Lower Upper

93 100

95 83.1 62.1 93.1

174 90.9 74.6 111.8





#47

Bromodichloromethane

Concen: 21.453 ug/l

RT: 6.37 min Scan# 582

Delta R.T. -0.00 min

Lab File: VF061583.D

Acq: 11 Feb 2019 13:51

Instrument :

MSVOA_F

ClientSampleId :

VF0211SBS01

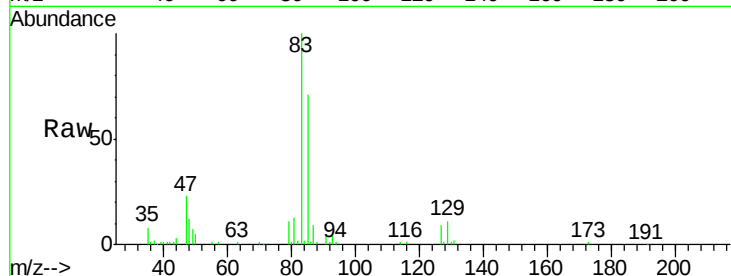
Tot Ion: 83 Resp: 70702

Ion Ratio Lower Upper

83 100

85 71.5 53.0 79.4

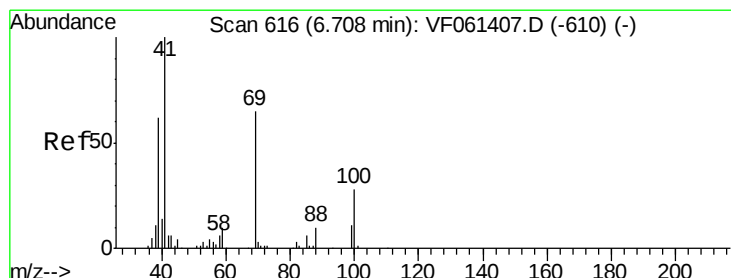
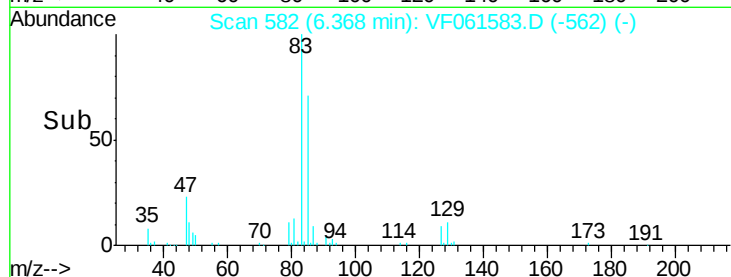
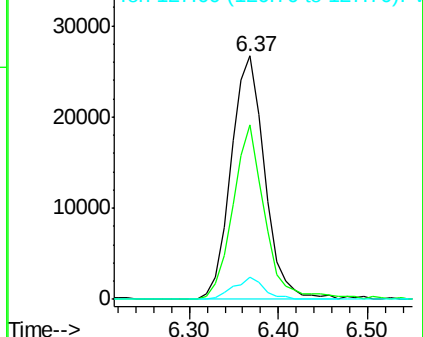
127 8.9 6.9 10.3



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 19.439 ug/l

RT: 6.69 min Scan# 615

Delta R.T. -0.01 min

Lab File: VF061583.D

Acq: 11 Feb 2019 13:51

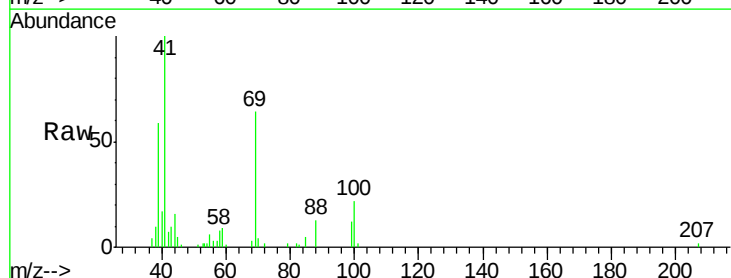
Tgt Ion: 41 Resp: 22464

Ion Ratio Lower Upper

41 100

69 63.7 51.7 77.5

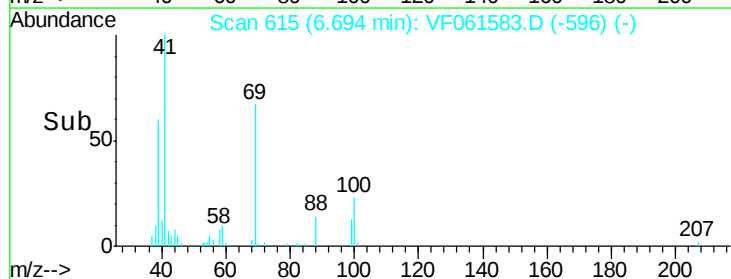
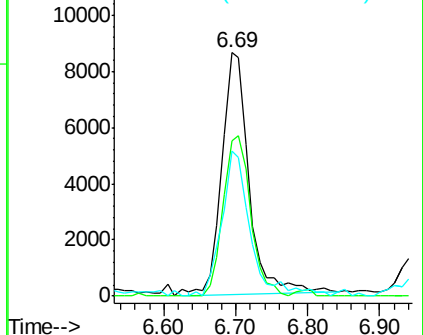
39 59.3 49.2 73.8

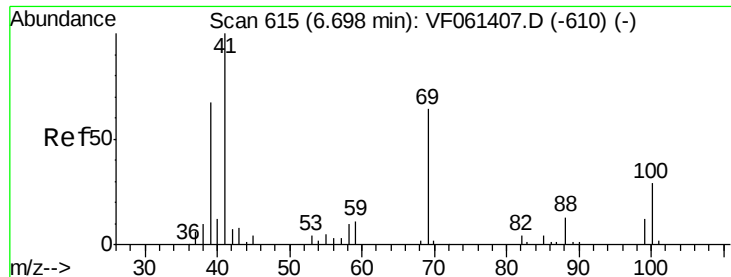


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

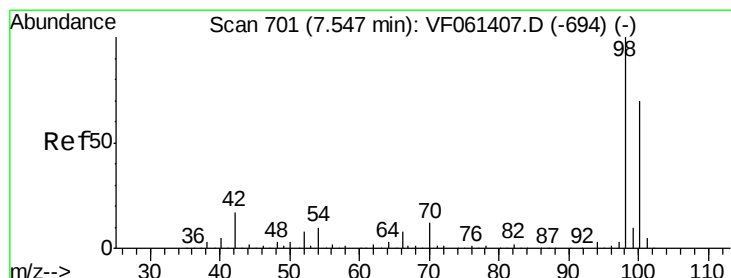
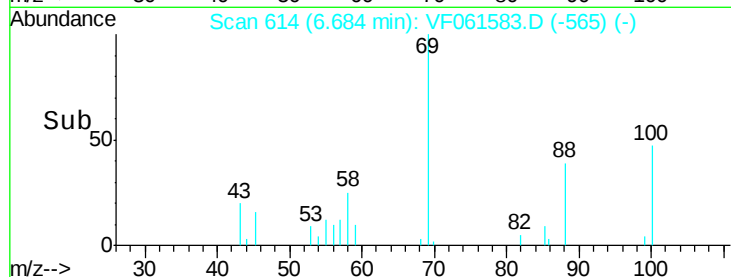
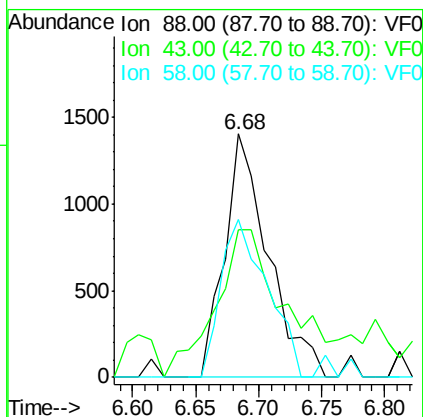
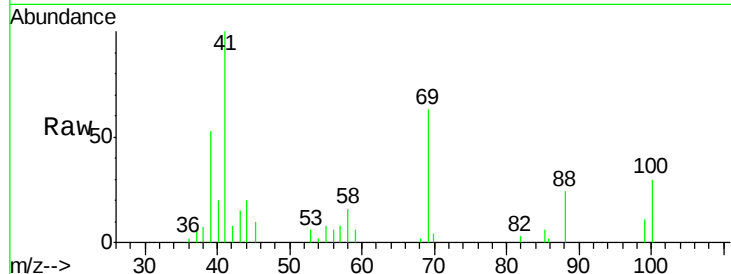




#49
1,4-Dioxane
Concen: 375.951 ug/l
RT: 6.68 min Scan# 614
Delta R.T. -0.01 min
Lab File: VF061583.D
Acq: 11 Feb 2019 13:51

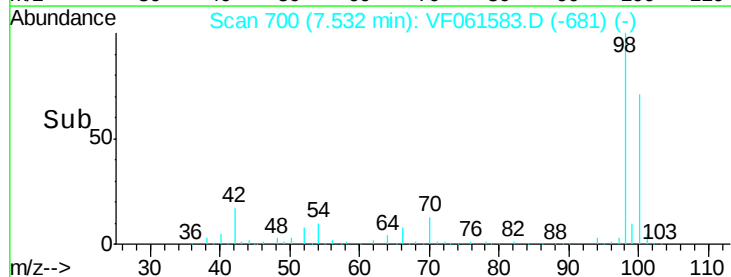
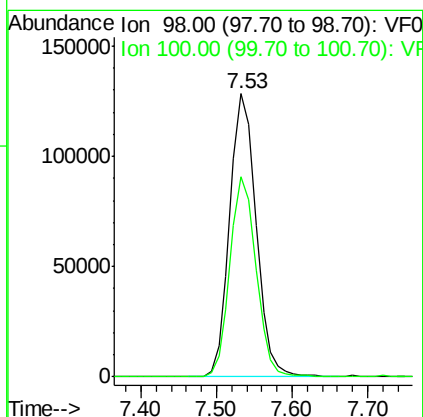
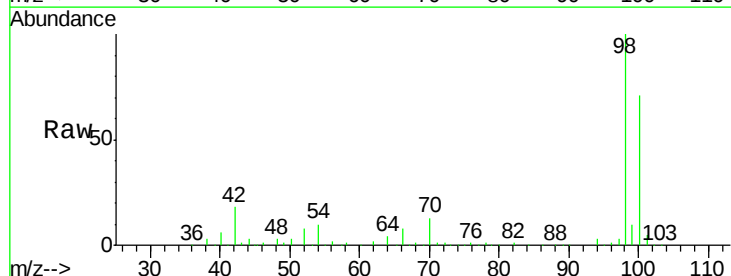
Instrument :
MSVOA_F
ClientSampleId :
VF0211SBS01

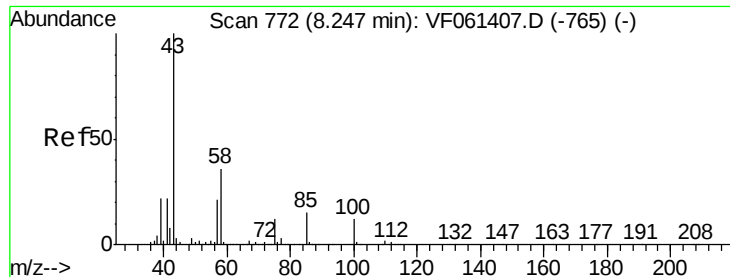
Tot Ion: 88 Resp: 3382
Ion Ratio Lower Upper
88 100
43 60.9 55.5 83.3
58 65.1 59.9 89.9



#50
Toluene-d8
Concen: 48.712 ug/l
RT: 7.53 min Scan# 700
Delta R.T. -0.01 min
Lab File: VF061583.D
Acq: 11 Feb 2019 13:51

Tgt Ion: 98 Resp: 311562
Ion Ratio Lower Upper
98 100
100 70.8 55.6 83.4





#51

4-Methyl-2-Pentanone

Concen: 111.666 ug/l

RT: 8.24 min Scan# 772

Delta R.T. -0.00 min

Lab File: VF061583.D

Acq: 11 Feb 2019 13:51

Instrument :

MSVOA_F

ClientSampleId :

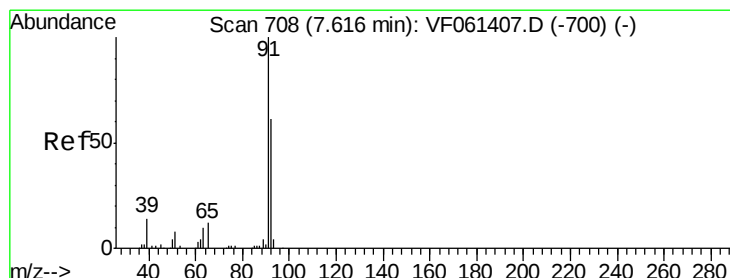
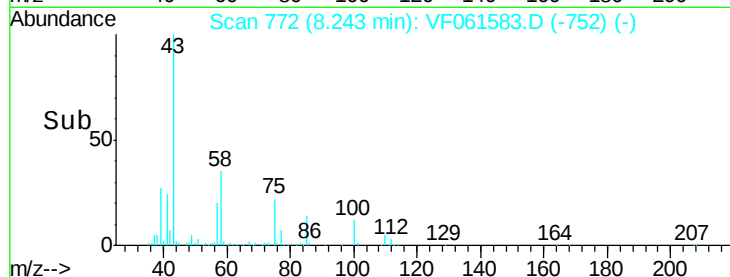
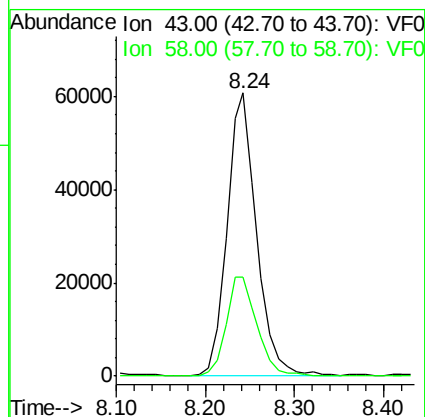
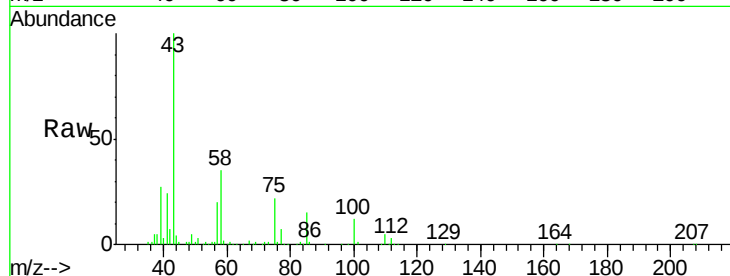
VF0211SBS01

Tot Ion: 43 Resp: 141272

Ion Ratio Lower Upper

43 100

58 35.2 28.8 43.2



#52

Toluene

Concen: 20.639 ug/l

RT: 7.60 min Scan# 707

Delta R.T. -0.01 min

Lab File: VF061583.D

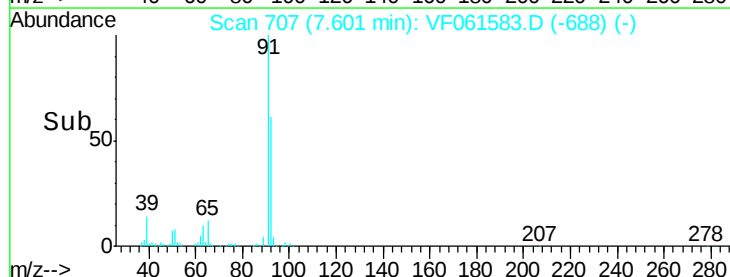
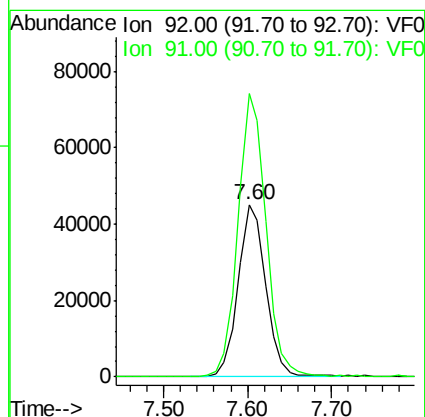
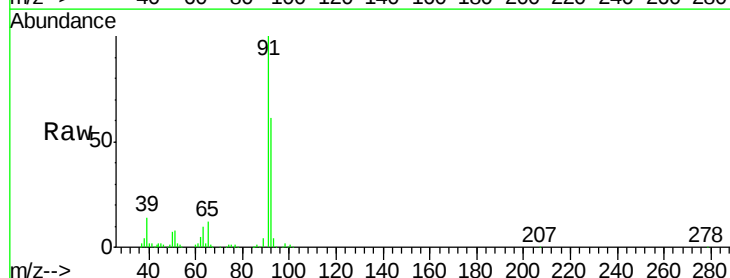
Acq: 11 Feb 2019 13:51

Tgt Ion: 92 Resp: 103741

Ion Ratio Lower Upper

92 100

91 164.1 131.2 196.8





#53

t-1,3-Dichloropropene

Concen: 22.417 ug/l

RT: 8.26 min Scan# 774

Delta R.T. -0.00 min

Lab File: VF061583.D

Acq: 11 Feb 2019 13:51

Instrument :

MSVOA_F

ClientSampleId :

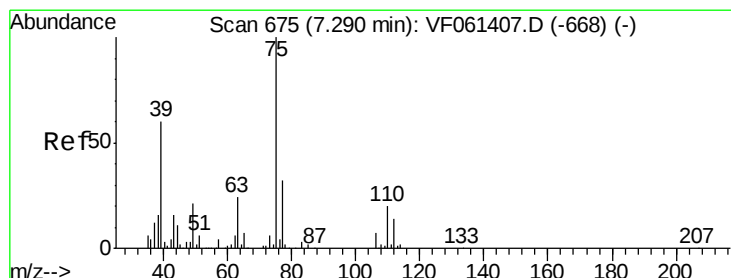
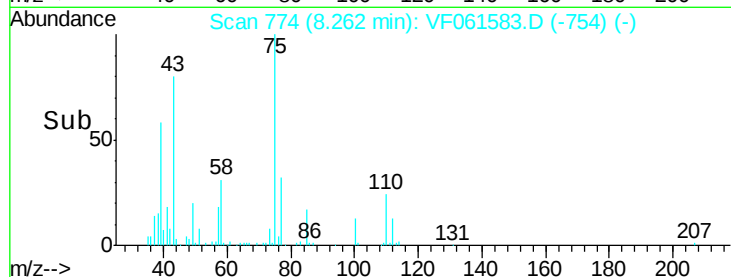
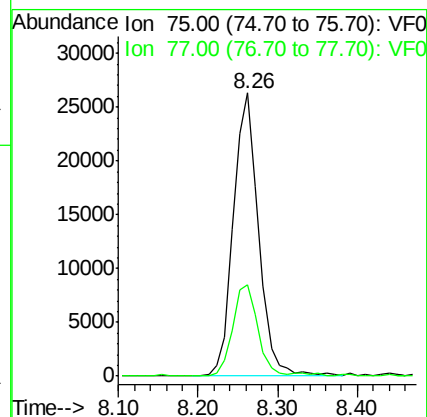
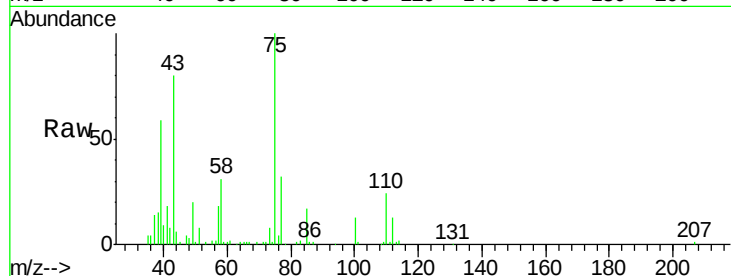
VF0211SBS01

Tot Ion: 75 Resp: 58665

Ion Ratio Lower Upper

75 100

77 32.3 24.4 36.6



#54

cis-1,3-Dichloropropene

Concen: 22.476 ug/l

RT: 7.28 min Scan# 674

Delta R.T. -0.01 min

Lab File: VF061583.D

Acq: 11 Feb 2019 13:51

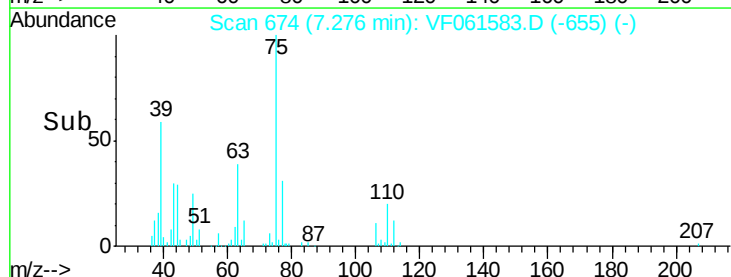
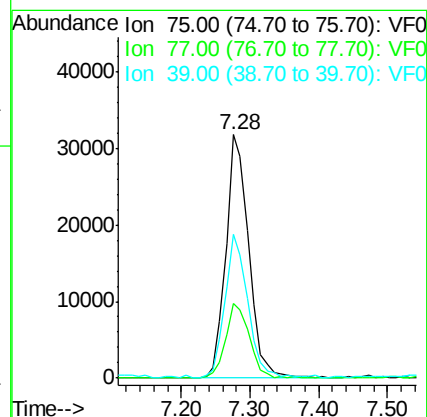
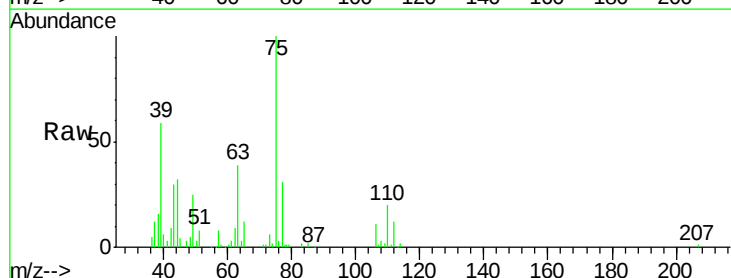
Tgt Ion: 75 Resp: 73523

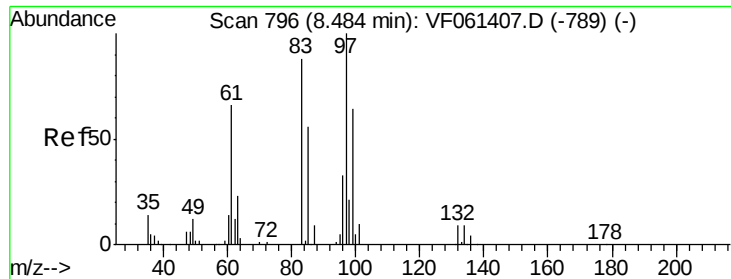
Ion Ratio Lower Upper

75 100

77 30.5 25.4 38.0

39 59.3 47.8 71.8





#55

1,1,2-Trichloroethane

Concen: 20.101 ug/l

RT: 8.47 min Scan# 795

Delta R.T. -0.01 min

Lab File: VF061583.D

Acq: 11 Feb 2019 13:51

Instrument :

MSVOA_F

ClientSampleId :

VF0211SBS01

Tot Ion: 97 Resp: 28691

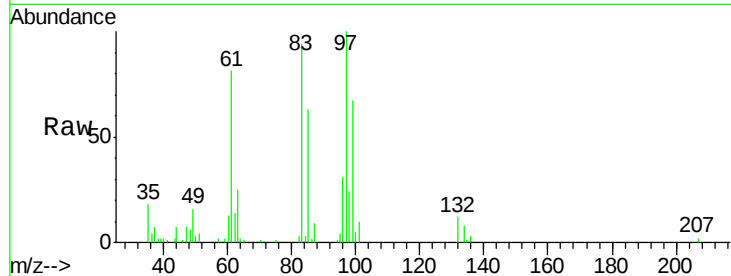
Ion Ratio Lower Upper

97 100

83 94.0 70.4 105.6

85 62.6 44.7 67.1

99 67.2 50.8 76.2

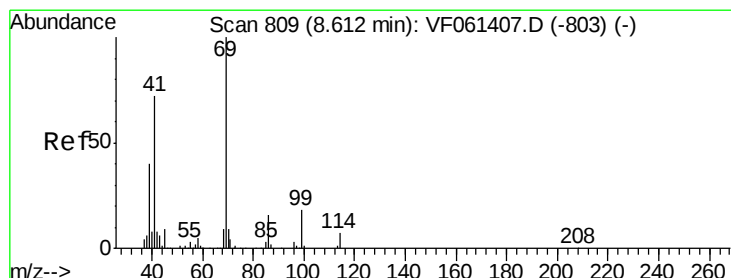
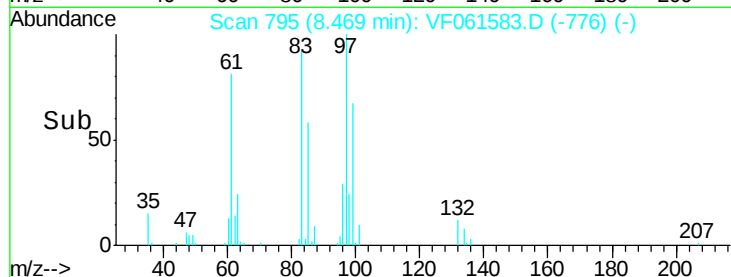
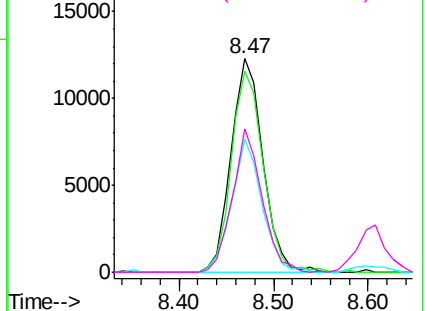


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 20.534 ug/l

RT: 8.61 min Scan# 809

Delta R.T. -0.00 min

Lab File: VF061583.D

Acq: 11 Feb 2019 13:51

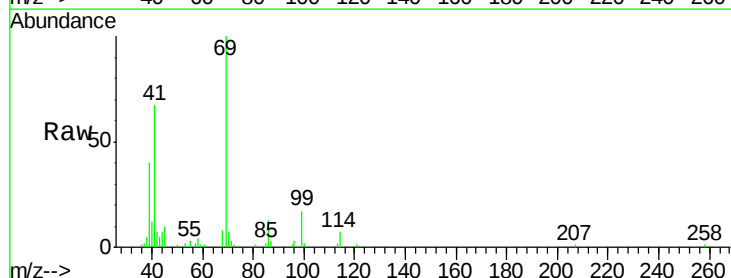
Tgt Ion: 69 Resp: 34099

Ion Ratio Lower Upper

69 100

41 67.4 57.5 86.3

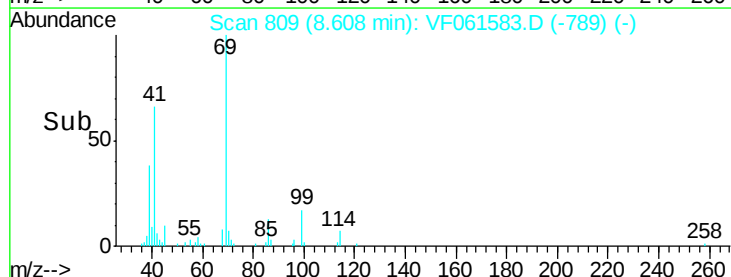
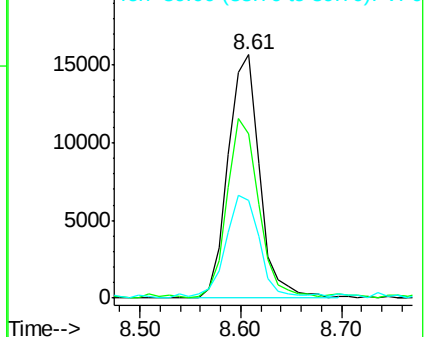
39 40.3 32.0 48.0

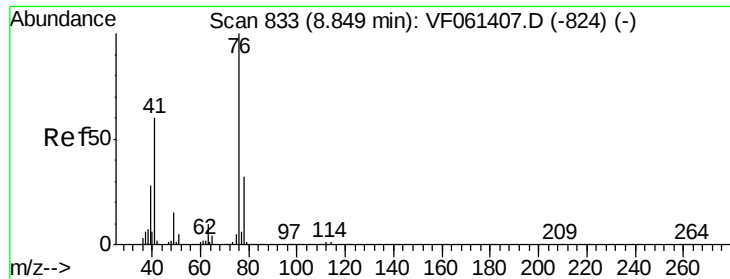


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 20.333 ug/l

RT: 8.83 min Scan# 832

Delta R.T. -0.01 min

Lab File: VF061583.D

Acq: 11 Feb 2019 13:51

Instrument :

MSVOA_F

ClientSampleId :

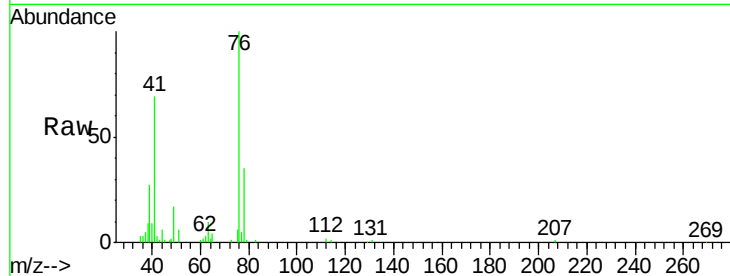
VF0211SBS01

Tot Ion: 76 Resp: 54400

Ion Ratio Lower Upper

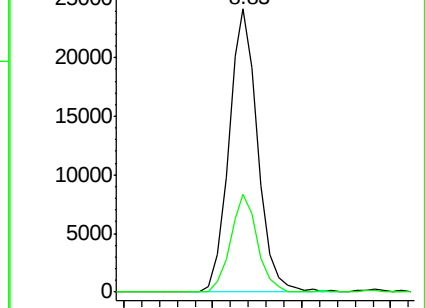
76 100

78 34.6 25.3 37.9

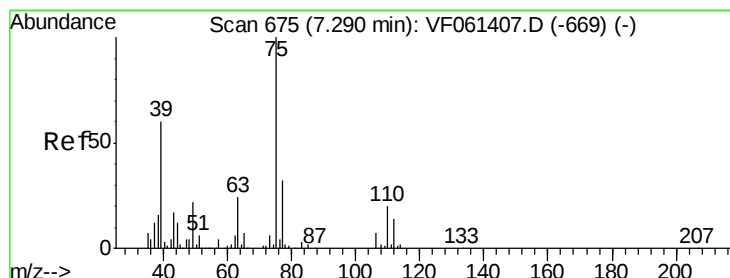
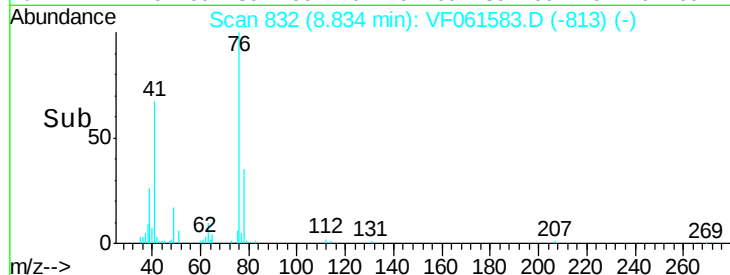


Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



Time--> 8.70 8.80 8.90 9.00



#58

2-Chloroethyl Vinyl ether

Concen: 171.873 ug/l

RT: 7.28 min Scan# 674

Delta R.T. -0.01 min

Lab File: VF061583.D

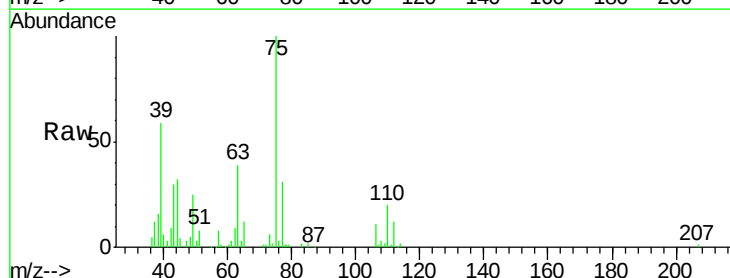
Acq: 11 Feb 2019 13:51

Tgt Ion: 63 Resp: 28247

Ion Ratio Lower Upper

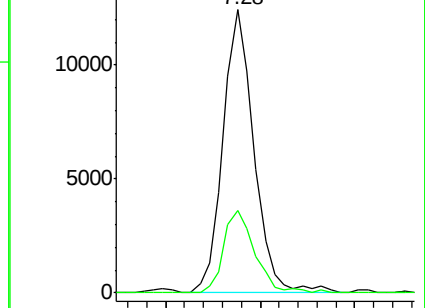
63 100

106 28.9 21.9 32.9

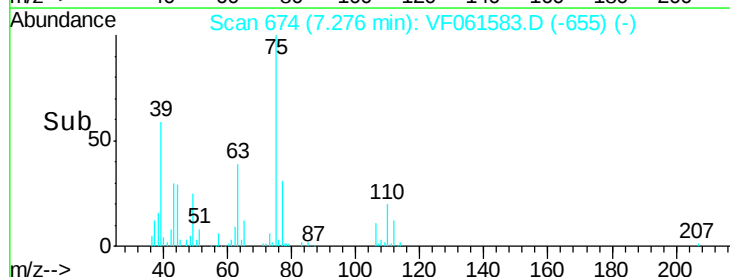


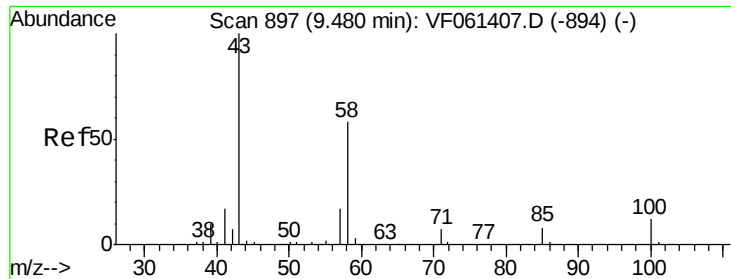
Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V



Time--> 7.20 7.30 7.40

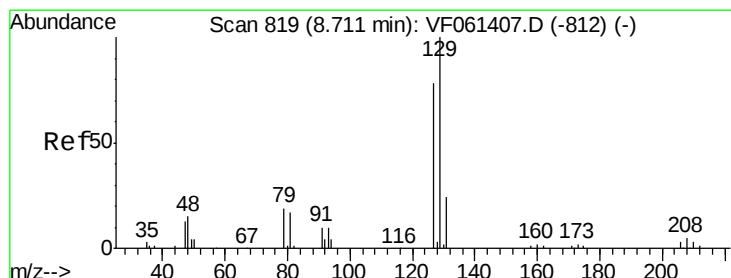
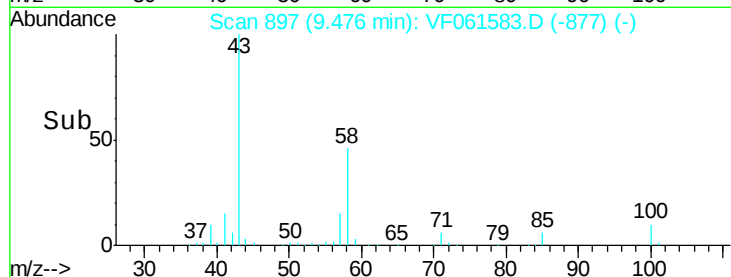
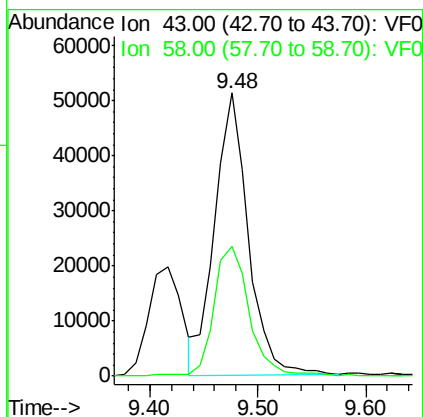
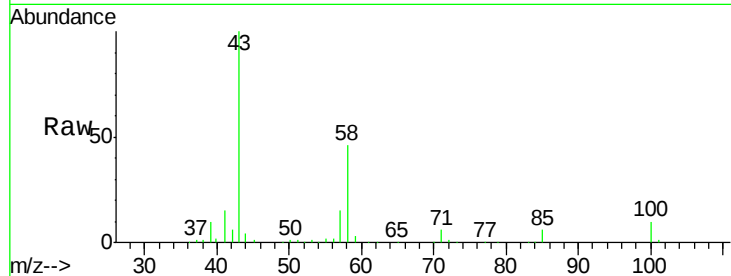




#59
2-Hexanone
Concen: 124.665 ug/l
RT: 9.48 min Scan# 897
Delta R.T. -0.00 min
Lab File: VF061583.D
Acq: 11 Feb 2019 13:51

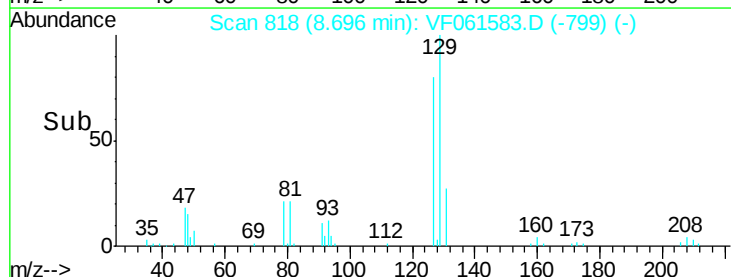
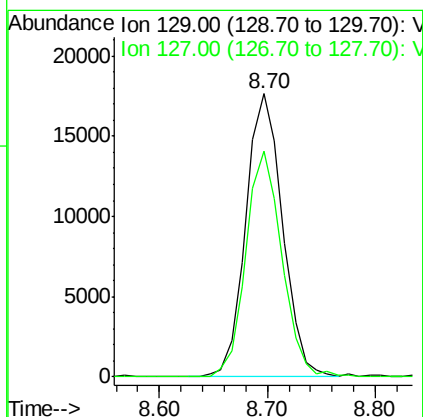
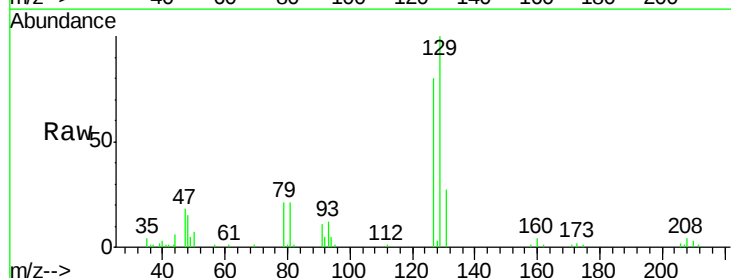
Instrument :
MSVOA_F
ClientSampleId :
VF0211SBS01

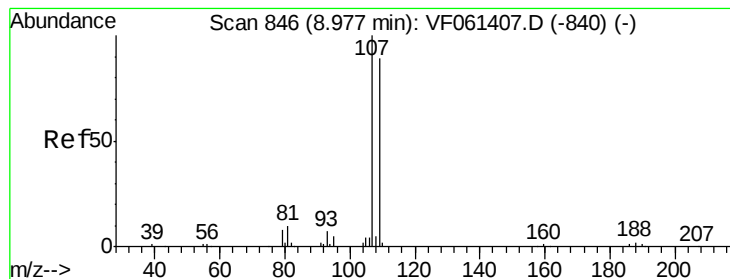
Tot Ion: 43 Resp: 109980
Ion Ratio Lower Upper
43 100
58 45.8 25.9 77.6



#60
Dibromochloromethane
Concen: 19.966 ug/l
RT: 8.70 min Scan# 818
Delta R.T. -0.01 min
Lab File: VF061583.D
Acq: 11 Feb 2019 13:51

Tgt Ion: 129 Resp: 41663
Ion Ratio Lower Upper
129 100
127 79.9 39.1 117.2





#61

1,2-Dibromoethane

Concen: 19.803 ug/l

RT: 8.97 min Scan# 846

Delta R.T. -0.00 min

Lab File: VF061583.D

Acq: 11 Feb 2019 13:51

Instrument :

MSVOA_F

ClientSampleId :

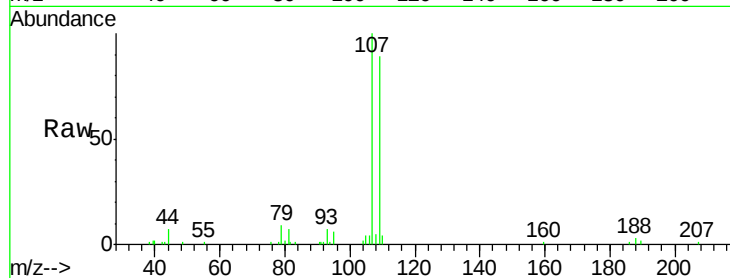
VF0211SBS01

Tot Ion:107 Resp: 32359

Ion Ratio Lower Upper

107 100

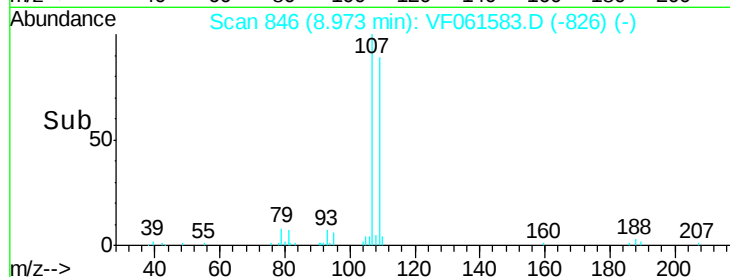
109 88.7 70.8 106.2



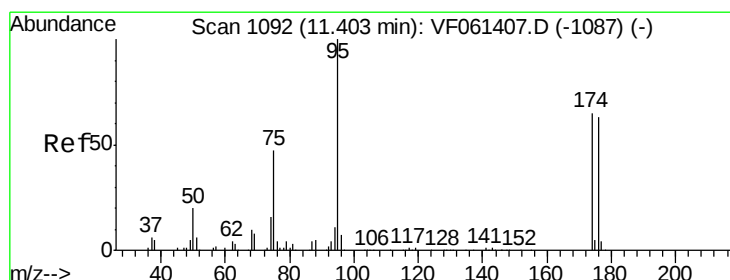
Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

8.97



Time--> 8.85 8.90 8.95 9.00 9.05



#62

4-Bromofluorobenzene

Concen: 48.824 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.00 min

Lab File: VF061583.D

Acq: 11 Feb 2019 13:51

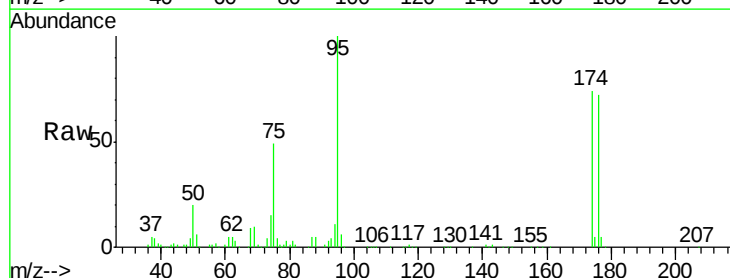
Tgt Ion: 95 Resp: 145907

Ion Ratio Lower Upper

95 100

174 74.5 0.0 130.4

176 71.7 0.0 126.2

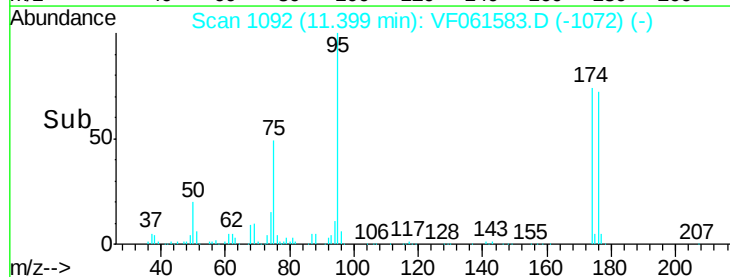


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

11.40



Time--> 11.30 11.40 11.50



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.75 min Scan# 925

Delta R.T. -0.01 min

Lab File: VF061583.D

Acq: 11 Feb 2019 13:51

Instrument :

MSVOA_F

ClientSampleId :

VF0211SBS01

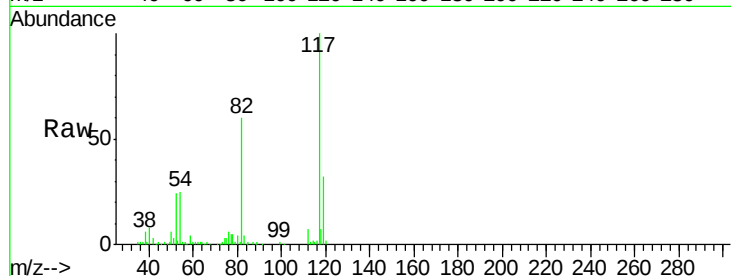
Tot Ion:117 Resp: 265509

Ion Ratio Lower Upper

117 100

82 59.5 46.4 69.6

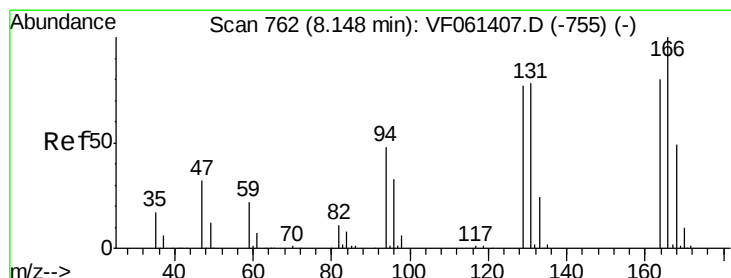
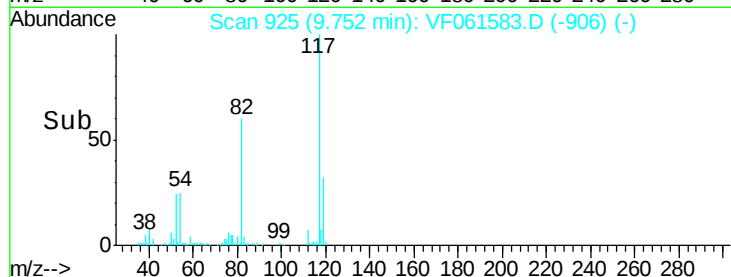
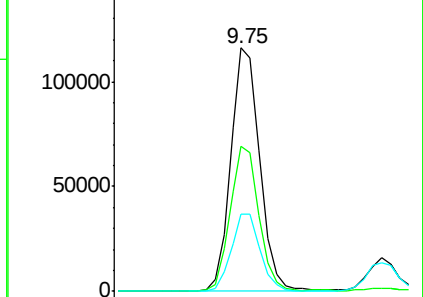
119 31.9 27.2 40.8



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: 21.118 ug/l

RT: 8.13 min Scan# 761

Delta R.T. -0.01 min

Lab File: VF061583.D

Acq: 11 Feb 2019 13:51

Tgt Ion:164 Resp: 42165

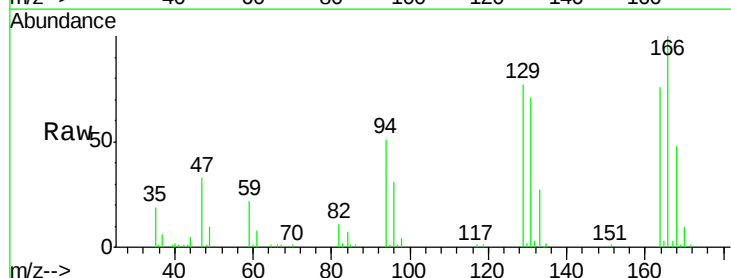
Ion Ratio Lower Upper

164 100

166 131.7 99.6 149.4

129 101.6 76.4 114.6

131 92.9 77.9 116.9

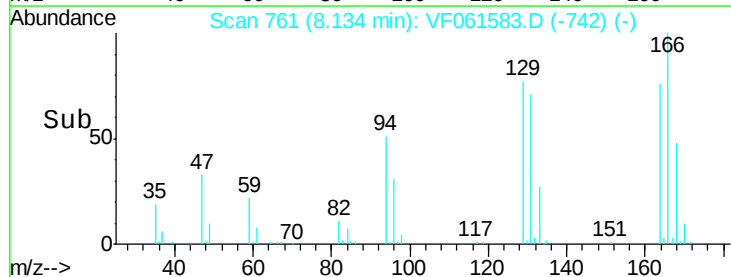
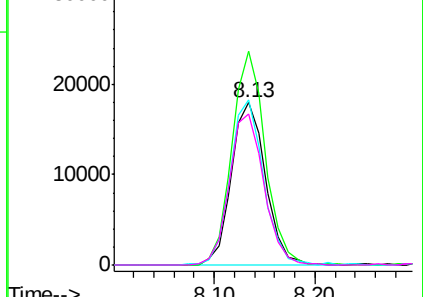


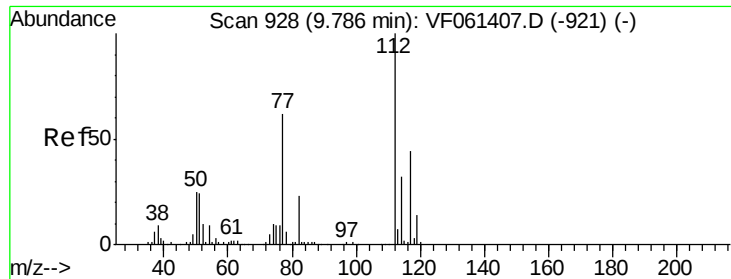
Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V

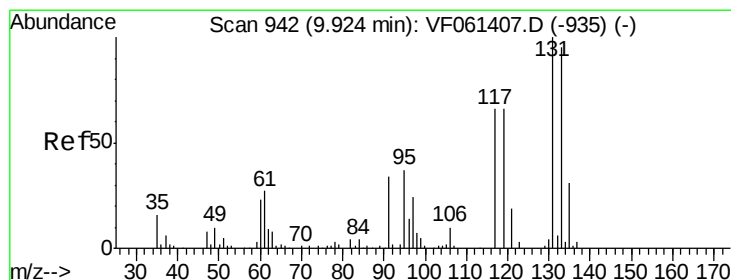
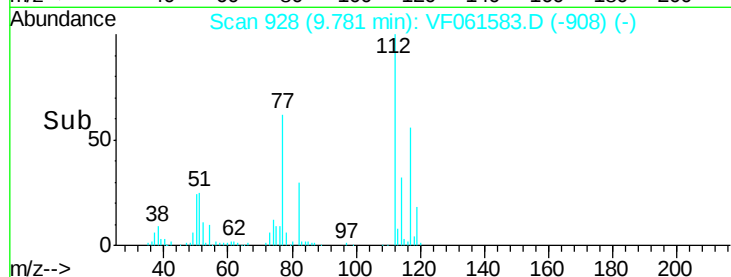
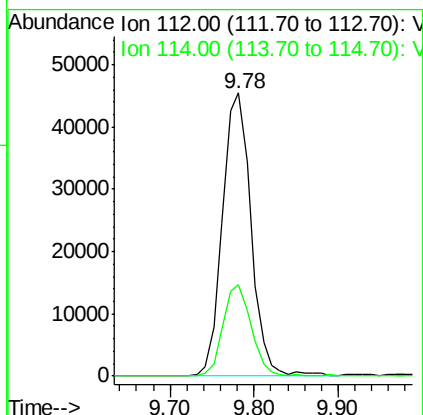
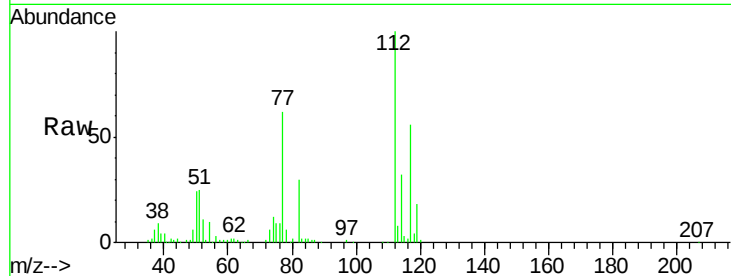




#65
Chlorobenzene
Concen: 19.943 ug/l
RT: 9.78 min Scan# 928
Delta R.T. -0.00 min
Lab File: VF061583.D
Acq: 11 Feb 2019 13:51

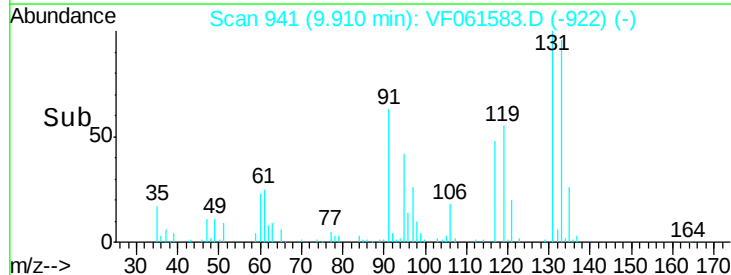
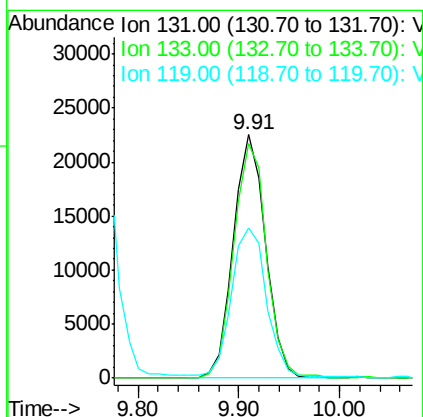
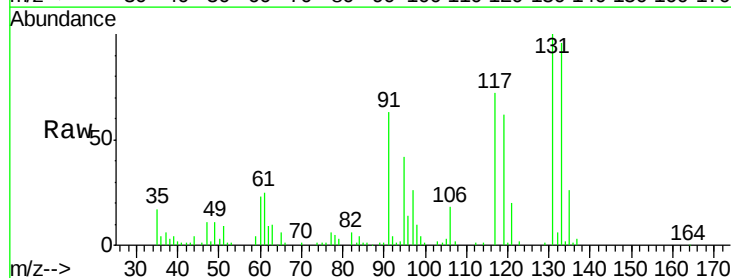
Instrument :
MSVOA_F
ClientSampleId :
VF0211SBS01

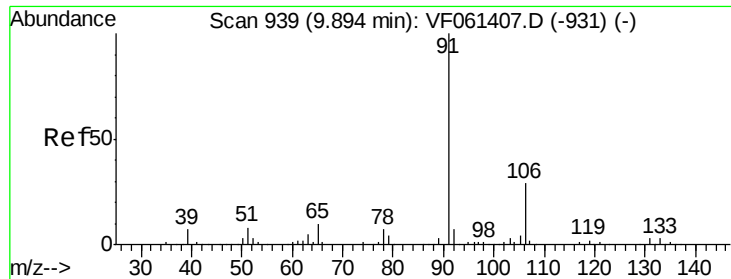
Tot Ion:112 Resp: 107676
Ion Ratio Lower Upper
112 100
114 32.2 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 23.252 ug/l
RT: 9.91 min Scan# 941
Delta R.T. -0.01 min
Lab File: VF061583.D
Acq: 11 Feb 2019 13:51

Tgt Ion:131 Resp: 50012
Ion Ratio Lower Upper
131 100
133 96.4 47.4 142.2
119 61.8 33.1 99.3

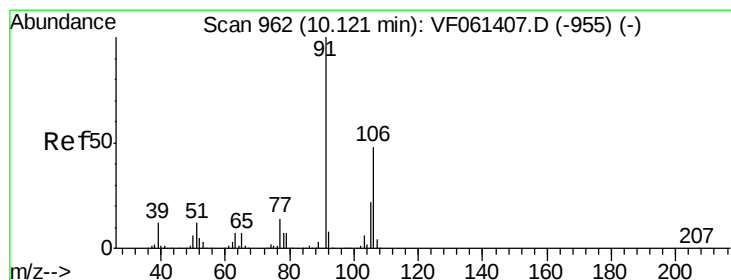
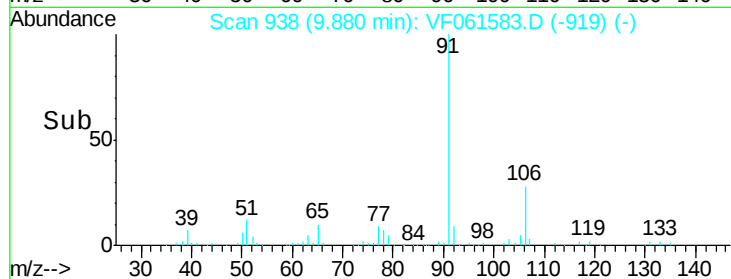
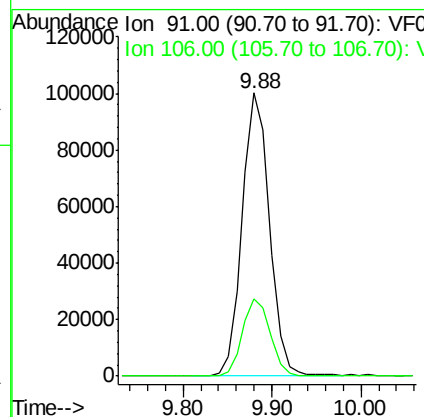
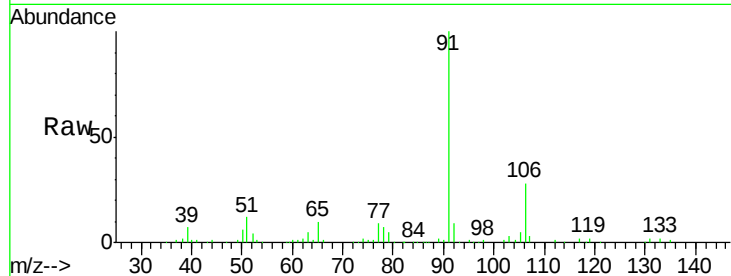




#67
Ethyl Benzene
Concen: 21.744 ug/l
RT: 9.88 min Scan# 938
Delta R.T. -0.01 min
Lab File: VF061583.D
Acq: 11 Feb 2019 13:51

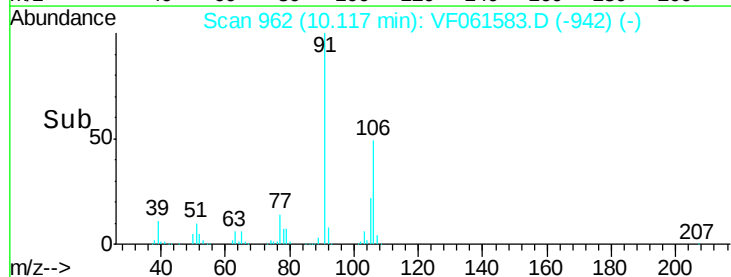
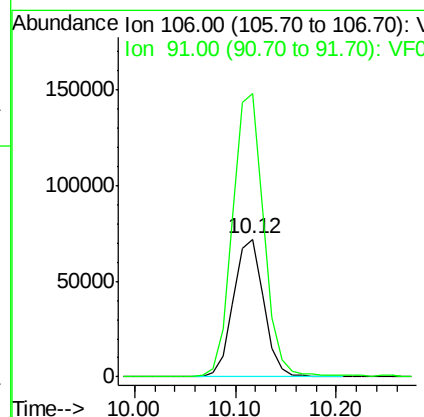
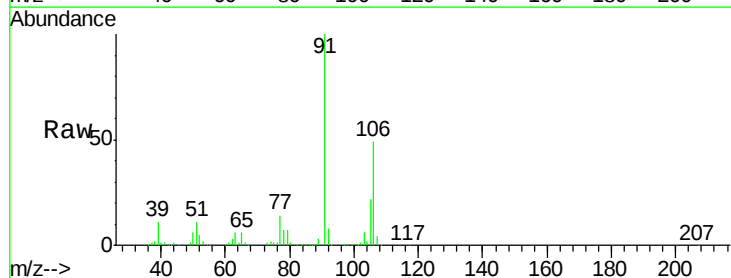
Instrument :
MSVOA_F
ClientSampleId :
VF0211SBS01

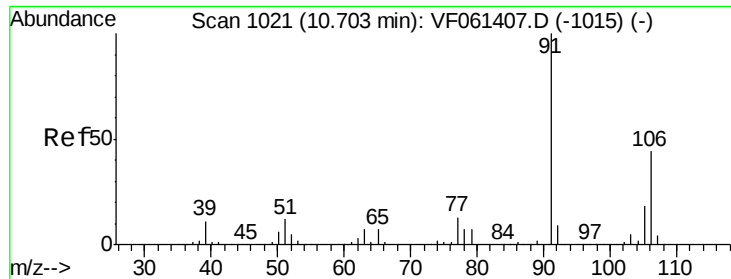
Tot Ion: 91 Resp: 214502
Ion Ratio Lower Upper
91 100
106 27.5 23.1 34.7



#68
m/p-Xylenes
Concen: 42.623 ug/l
RT: 10.12 min Scan# 962
Delta R.T. -0.00 min
Lab File: VF061583.D
Acq: 11 Feb 2019 13:51

Tgt Ion: 106 Resp: 151228
Ion Ratio Lower Upper
106 100
91 205.4 166.2 249.4

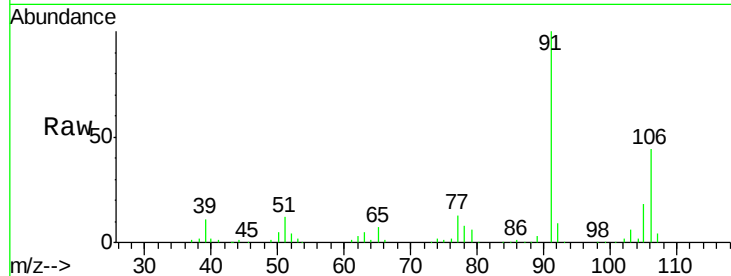




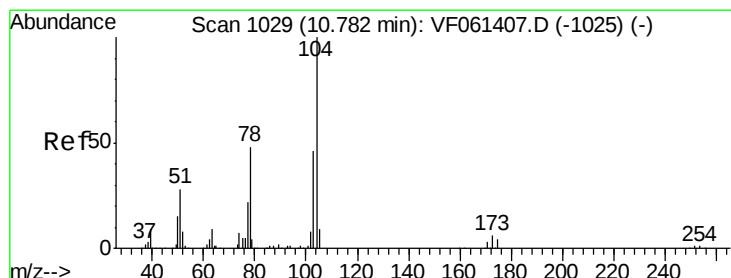
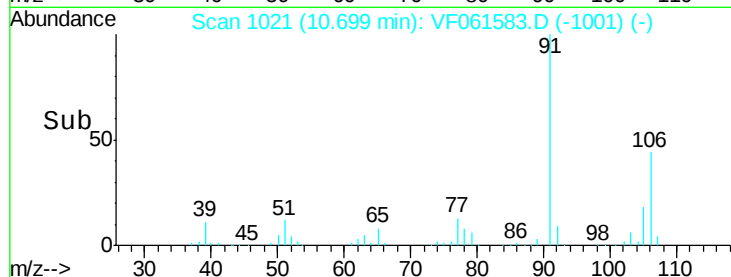
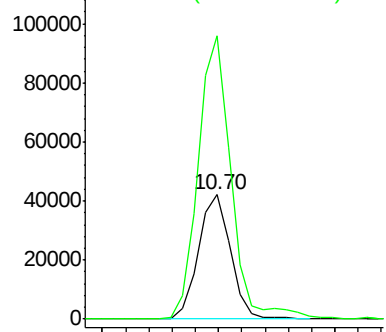
#69
o-Xylene
Concen: 20.995 ug/l
RT: 10.70 min Scan# 1021
Delta R.T. -0.00 min
Lab File: VF061583.D
Acq: 11 Feb 2019 13:51

Instrument :
MSVOA_F
ClientSampleId :
VF0211SBS01

Tot Ion:106 Resp: 80735
Ion Ratio Lower Upper
106 100
91 227.3 113.3 339.8

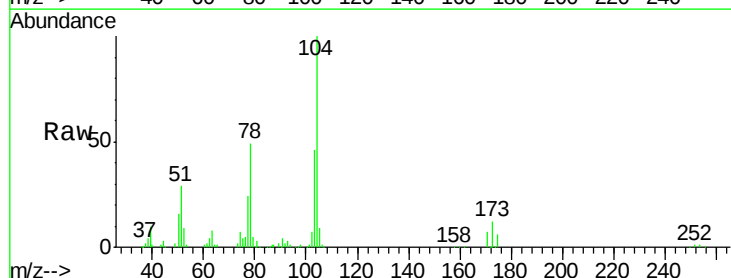


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VF0

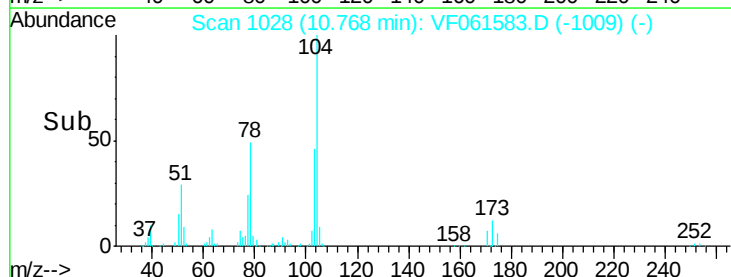
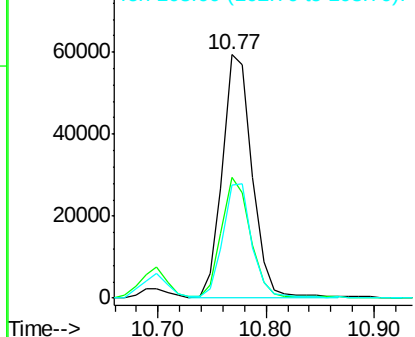


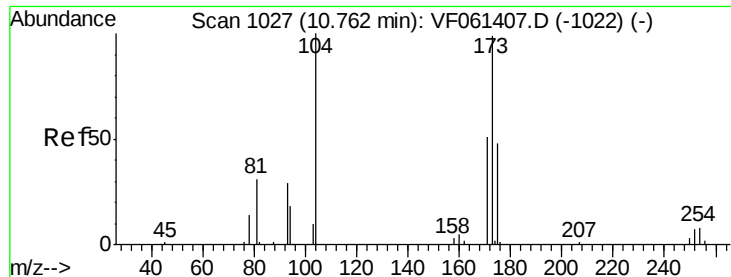
#70
Styrene
Concen: 21.627 ug/l
RT: 10.77 min Scan# 1028
Delta R.T. -0.01 min
Lab File: VF061583.D
Acq: 11 Feb 2019 13:51

Tgt Ion:104 Resp: 113839
Ion Ratio Lower Upper
104 100
78 49.4 38.8 58.2
103 46.3 37.0 55.6



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





#71

Bromoform

Concen: 22.412 ug/l

RT: 10.76 min Scan# 1027

Delta R.T. -0.00 min

Lab File: VF061583.D

Acq: 11 Feb 2019 13:51

Instrument :

MSVOA_F

ClientSampleId :

VF0211SBS01

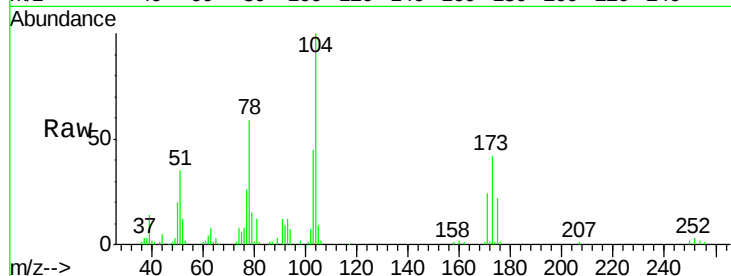
Tot Ion:173 Resp: 21659

Ion Ratio Lower Upper

173 100

175 52.9 24.1 72.4

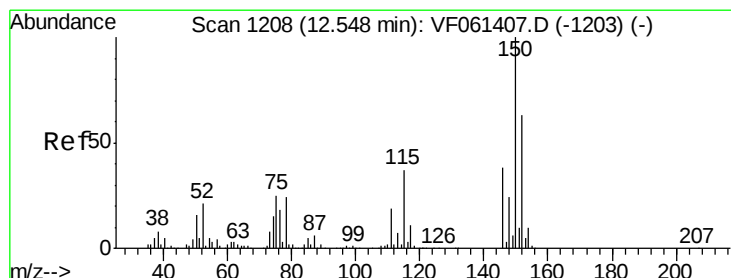
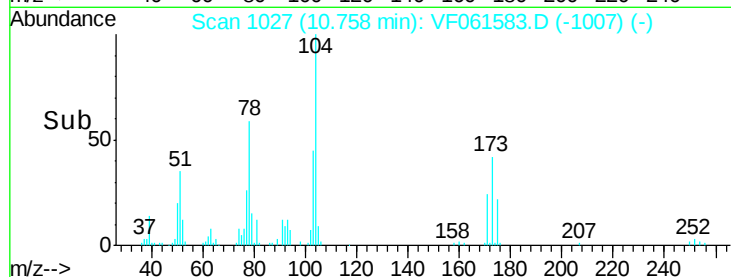
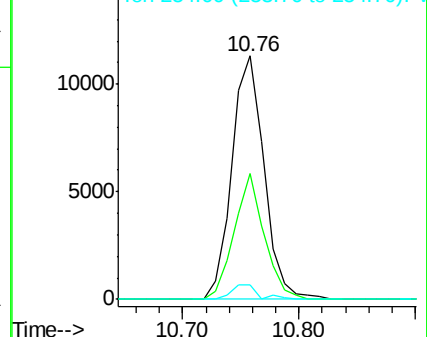
254 5.8 0.0 0.0#



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.54 min Scan# 1208

Delta R.T. -0.00 min

Lab File: VF061583.D

Acq: 11 Feb 2019 13:51

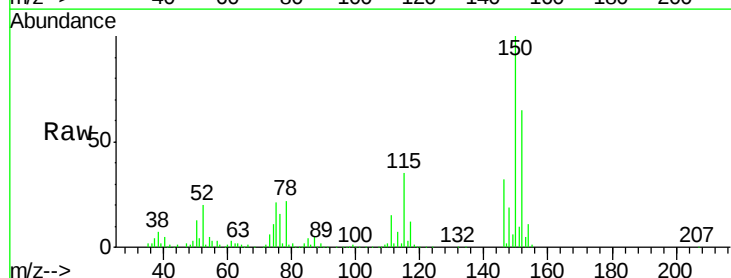
Tgt Ion:152 Resp: 140220

Ion Ratio Lower Upper

152 100

115 54.3 30.0 90.0

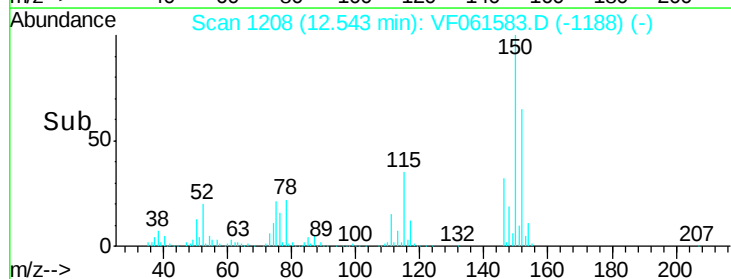
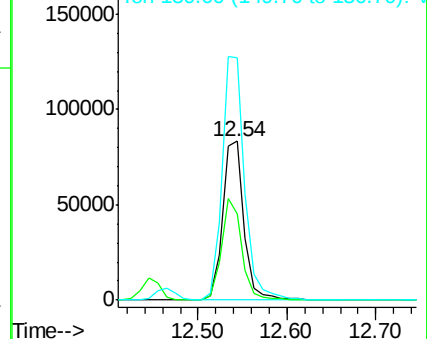
150 153.2 0.0 321.4

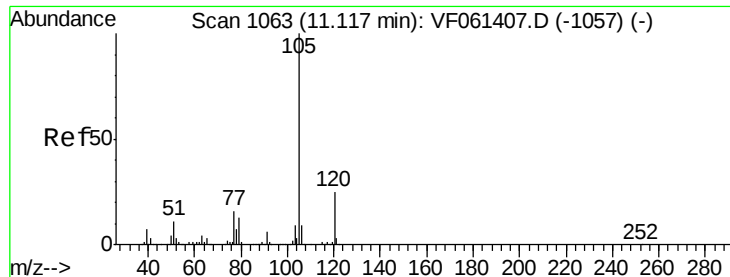


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 21.979 ug/l

RT: 11.11 min Scan# 1063

Delta R.T. -0.00 min

Lab File: VF061583.D

Acq: 11 Feb 2019 13:51

Instrument :

MSVOA_F

ClientSampleId :

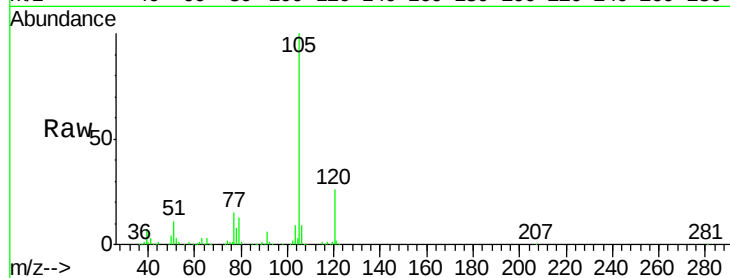
VF0211SBS01

Tot Ion:105 Resp: 250661

Ion Ratio Lower Upper

105 100

120 25.7 12.6 37.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.11

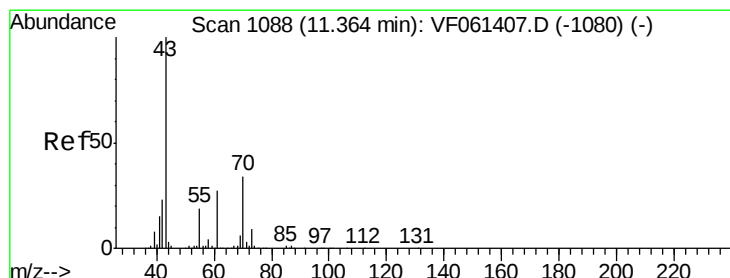
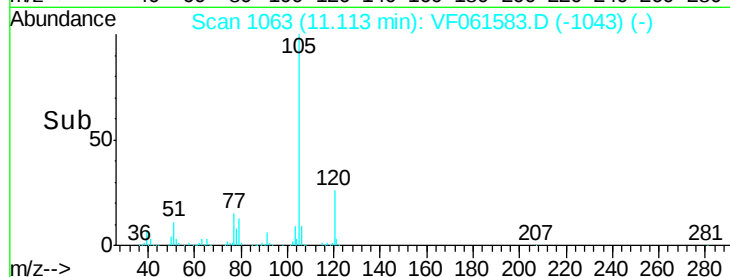
150000

100000

50000

0

Time--> 11.00 11.10 11.20



#74

N-ethyl acetate

Concen: 22.498 ug/l

RT: 11.36 min Scan# 1088

Delta R.T. -0.00 min

Lab File: VF061583.D

Acq: 11 Feb 2019 13:51

Tgt Ion: 43 Resp: 60671

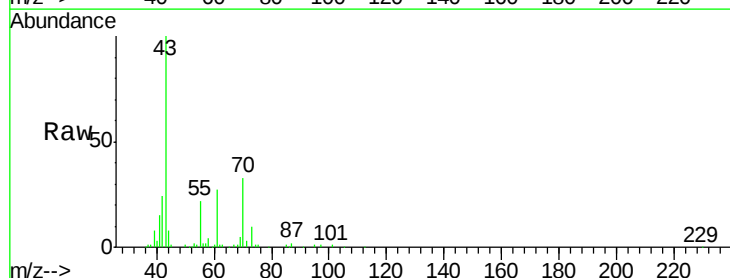
Ion Ratio Lower Upper

43 100

70 33.3 27.6 41.4

55 21.7 15.4 23.2

61 26.7 21.8 32.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

50000

40000

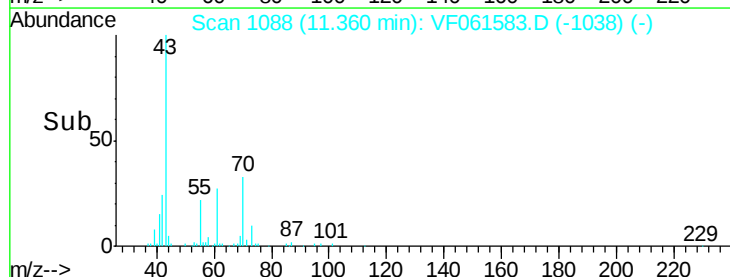
30000

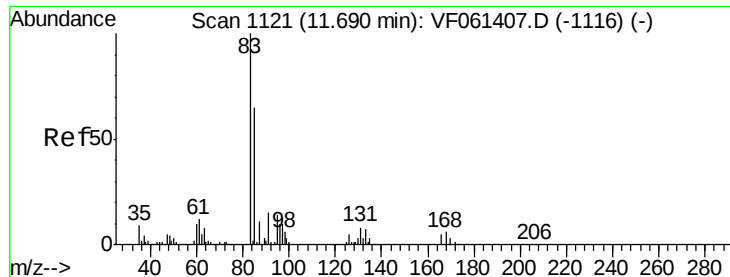
20000

10000

0

Time--> 11.30 11.40 11.50





#75

1,1,2,2-Tetrachloroethane

Concen: 20.686 ug/l

RT: 11.69 min Scan# 1121

Delta R.T. -0.00 min

Lab File: VF061583.D

Acq: 11 Feb 2019 13:51

Instrument :

MSVOA_F

ClientSampleId :

VF0211SBS01

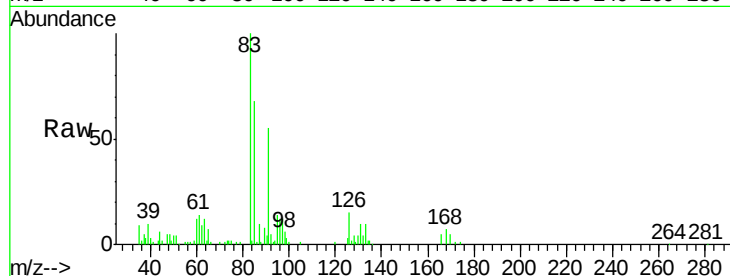
Tot Ion: 83 Resp: 42027

Ion Ratio Lower Upper

83 100

131 9.7 4.0 12.2

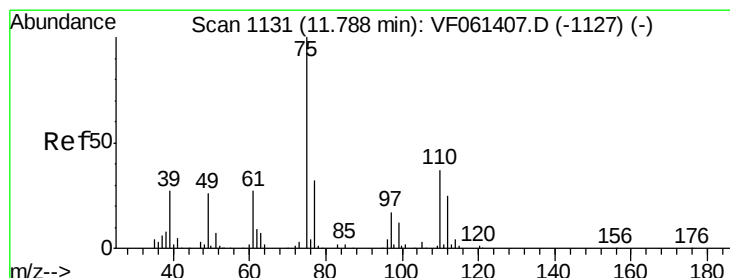
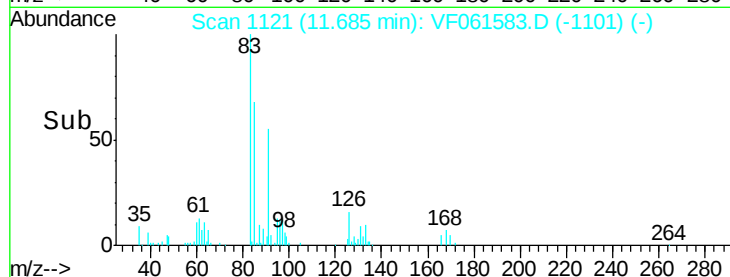
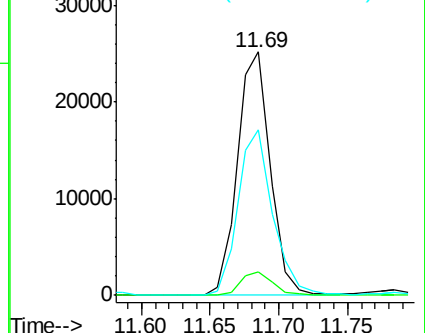
85 68.0 32.7 98.1



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: 21.471 ug/l

RT: 11.78 min Scan# 1131

Delta R.T. -0.00 min

Lab File: VF061583.D

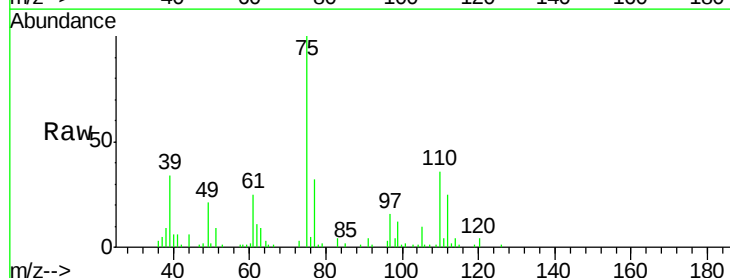
Acq: 11 Feb 2019 13:51

Tgt Ion: 75 Resp: 31344

Ion Ratio Lower Upper

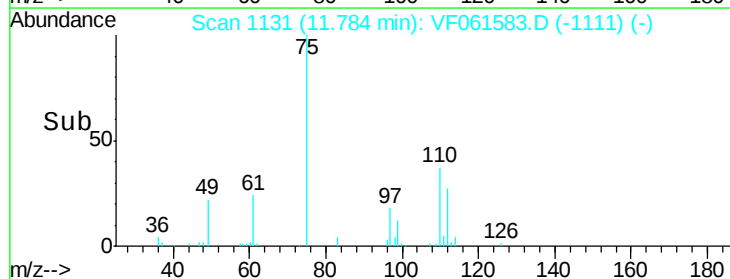
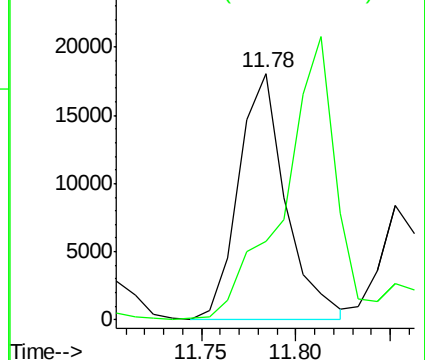
75 100

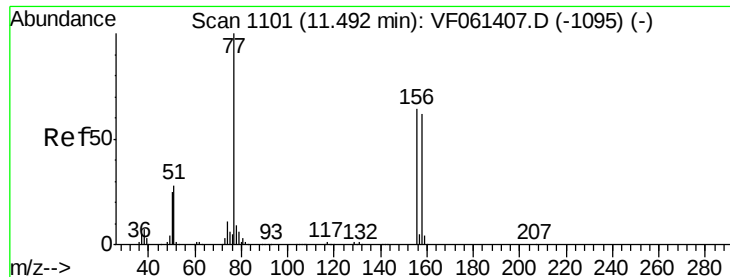
77 31.9 16.1 48.3



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 21.598 ug/l

RT: 11.48 min Scan# 1100

Delta R.T. -0.01 min

Lab File: VF061583.D

Acq: 11 Feb 2019 13:51

Instrument :

MSVOA_F

ClientSampleId :

VF0211SBS01

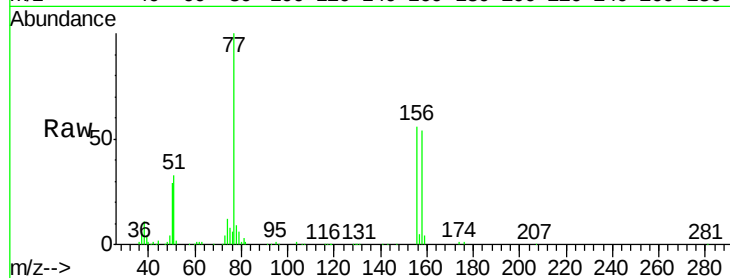
Tot Ion:156 Resp: 52019

Ion Ratio Lower Upper

156 100

77 179.4 78.3 234.9

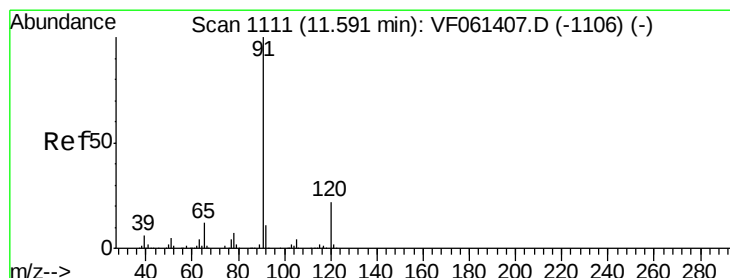
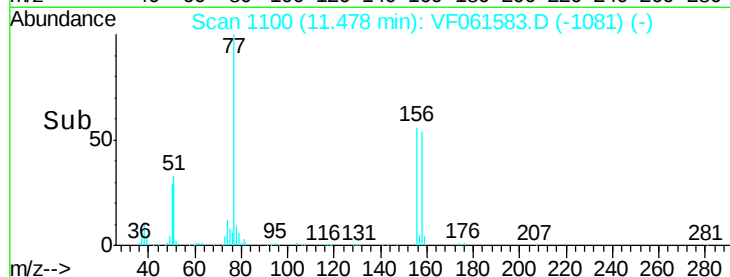
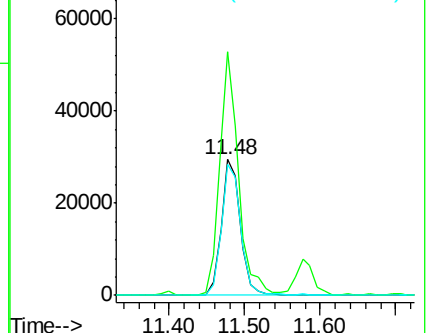
158 96.7 48.9 146.7



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 20.172 ug/l

RT: 11.58 min Scan# 1110

Delta R.T. -0.01 min

Lab File: VF061583.D

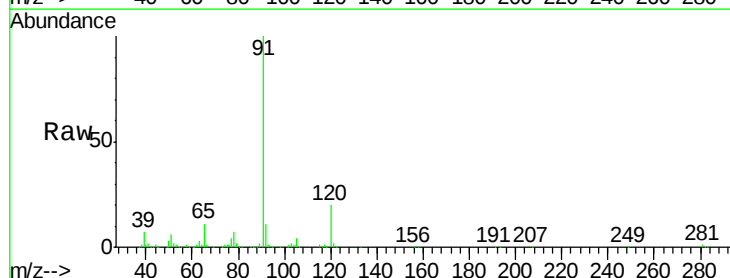
Acq: 11 Feb 2019 13:51

Tgt Ion: 91 Resp: 299664

Ion Ratio Lower Upper

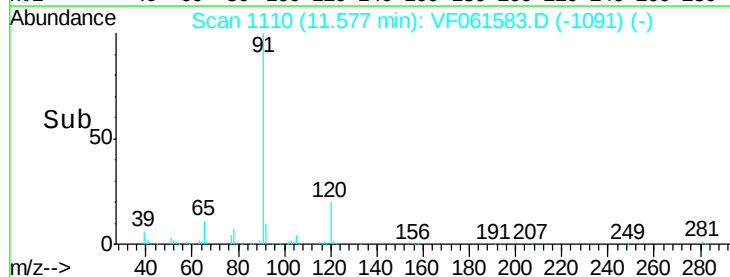
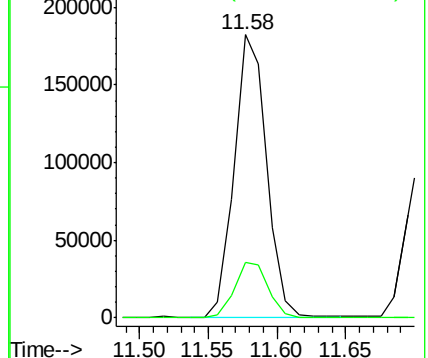
91 100

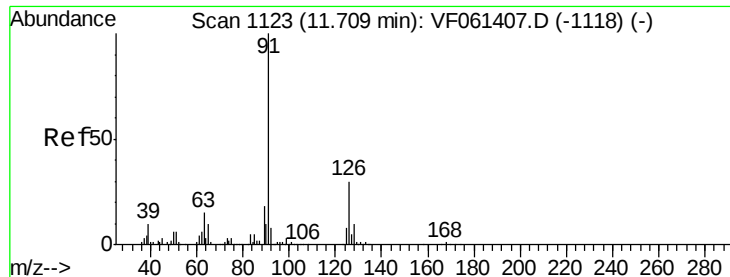
120 19.8 10.9 32.6



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.388 ug/l

RT: 11.70 min Scan# 1123

Delta R.T. -0.00 min

Lab File: VF061583.D

Acq: 11 Feb 2019 13:51

Instrument :

MSVOA_F

ClientSampleId :

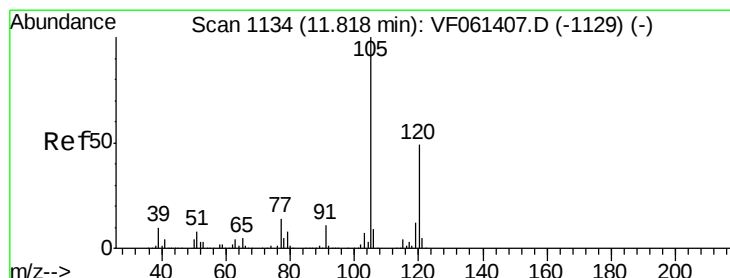
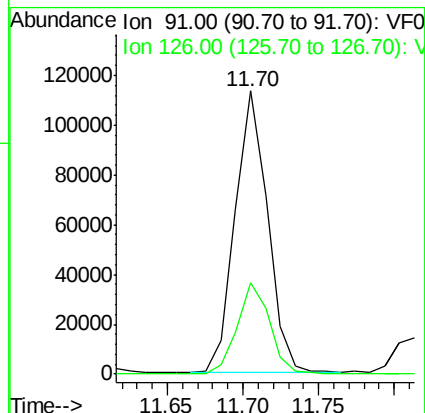
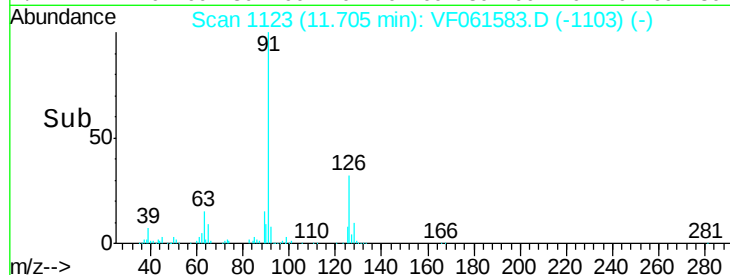
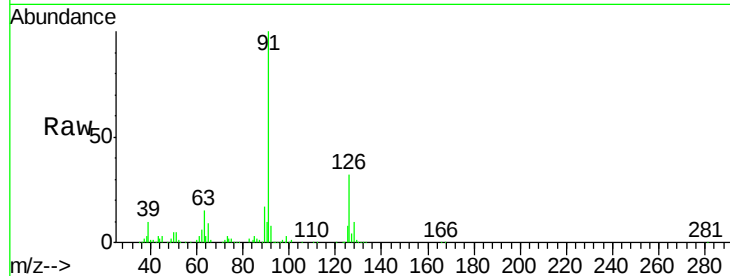
VF0211SBS01

Tot Ion: 91 Resp: 169241

Ion Ratio Lower Upper

91 100

126 32.2 15.0 45.1



#80

1,3,5-Trimethylbenzene

Concen: 22.577 ug/l

RT: 11.81 min Scan# 1134

Delta R.T. -0.00 min

Lab File: VF061583.D

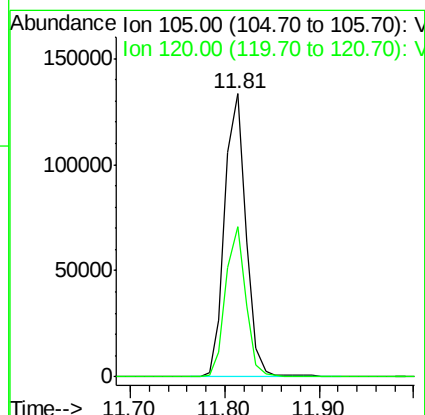
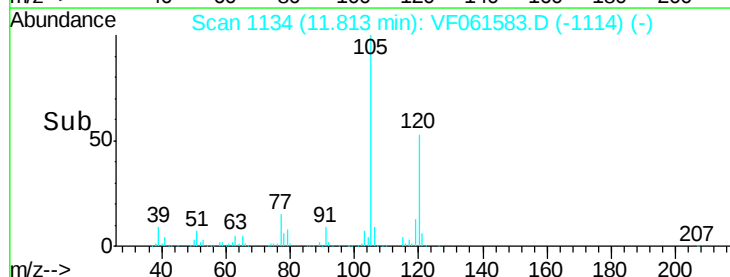
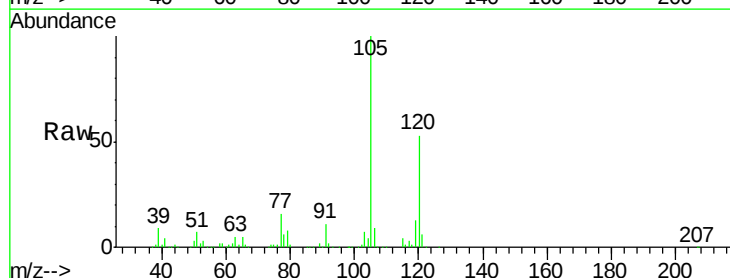
Acq: 11 Feb 2019 13:51

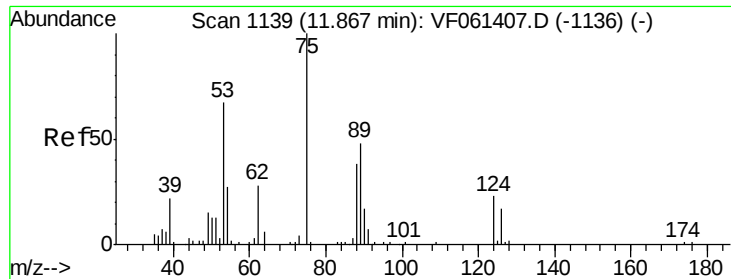
Tgt Ion:105 Resp: 207791

Ion Ratio Lower Upper

105 100

120 53.1 24.7 74.1





#81

trans-1,4-Dichloro-2-butene

Concen: 20.974 ug/l m

RT: 11.85 min Scan# 1138

Delta R.T. -0.01 min

Lab File: VF061583.D

Acq: 11 Feb 2019 13:51

Instrument :

MSVOA_F

ClientSampleId :

VF0211SBS01

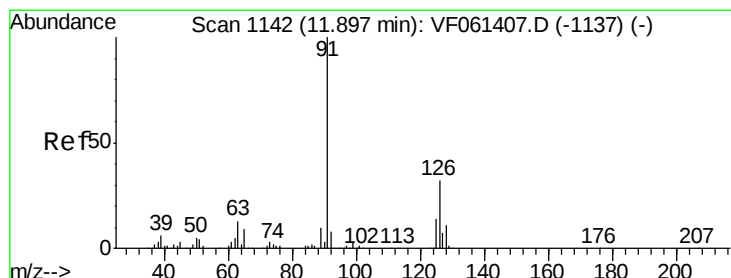
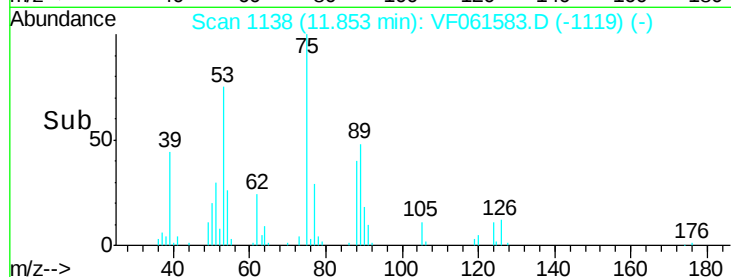
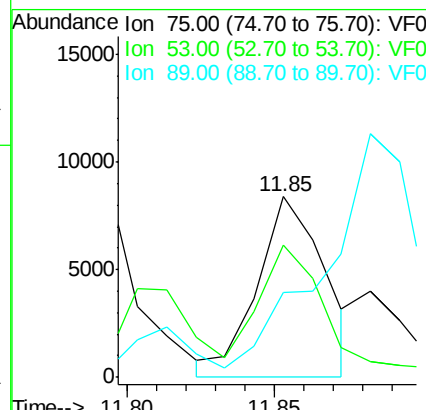
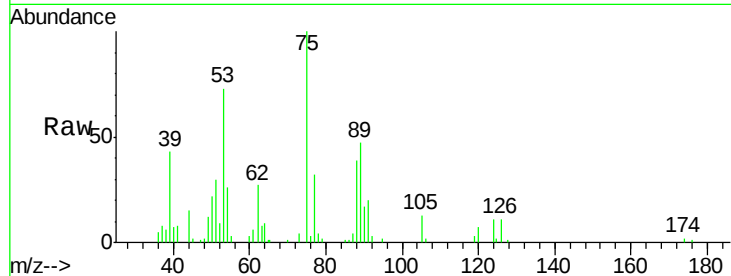
Tot Ion: 75 Resp: 13310

Ion Ratio Lower Upper

75 100

53 73.5 57.8 86.6

89 47.2 40.7 61.1



#82

4-Chlorotoluene

Concen: 20.989 ug/l

RT: 11.88 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VF061583.D

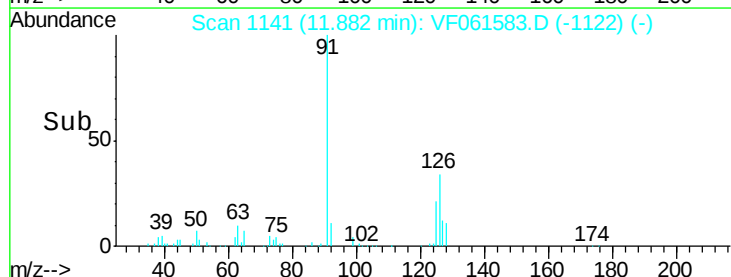
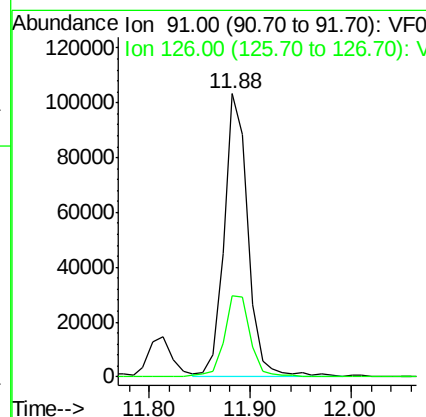
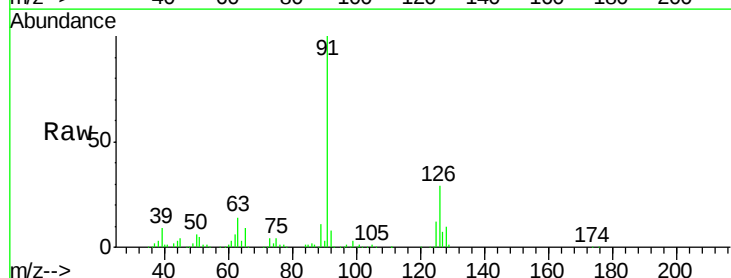
Acq: 11 Feb 2019 13:51

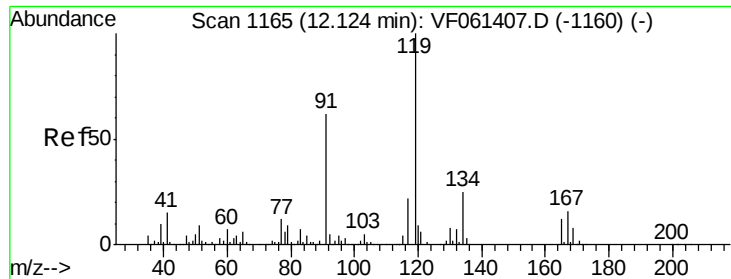
Tgt Ion: 91 Resp: 167595

Ion Ratio Lower Upper

91 100

126 28.5 16.0 47.9

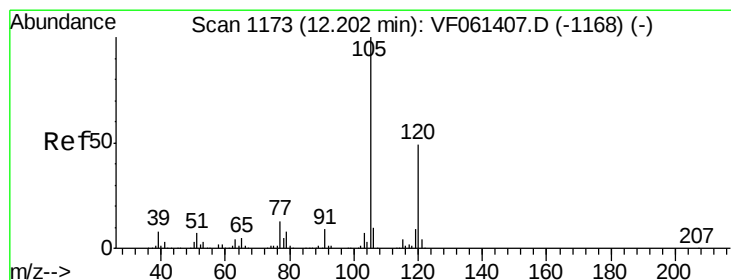
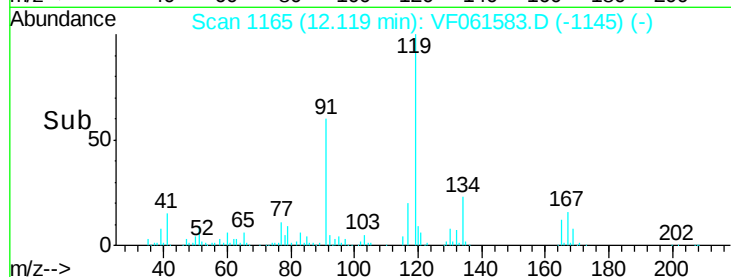
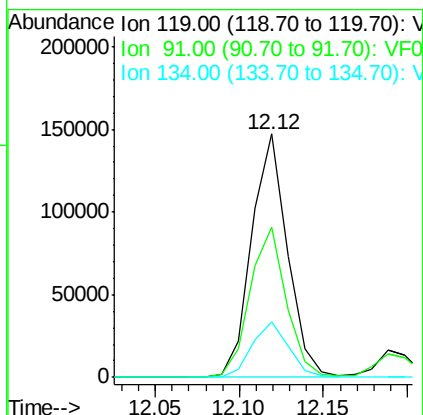
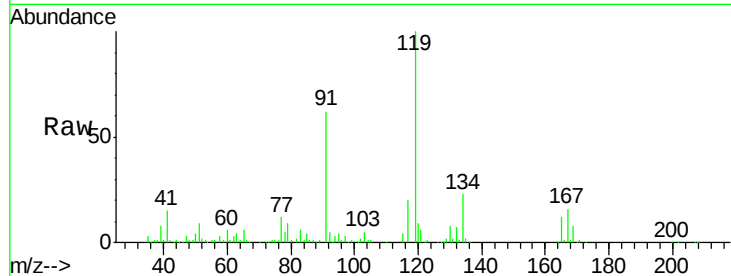




#83
tert-Butylbenzene
Concen: 22.882 ug/l
RT: 12.12 min Scan# 1165
Delta R.T. -0.00 min
Lab File: VF061583.D
Acq: 11 Feb 2019 13:51

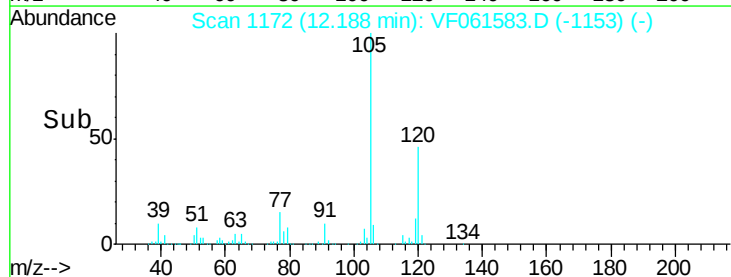
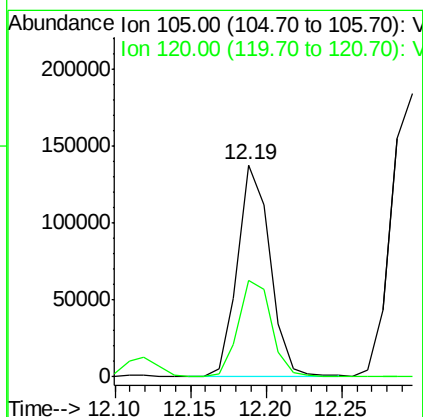
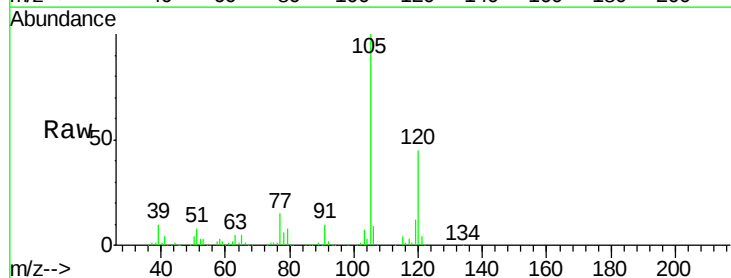
Instrument :
MSVOA_F
ClientSampleId :
VF0211SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	61.8	31.3	93.8
134	22.9	12.4	37.0



#84
1,2,4-Trimethylbenzene
Concen: 21.898 ug/l
RT: 12.19 min Scan# 1172
Delta R.T. -0.01 min
Lab File: VF061583.D
Acq: 11 Feb 2019 13:51

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.4	24.9	74.6





#85

sec-Butylbenzene

Concen: 21.853 ug/l

RT: 12.30 min Scan# 1183

Delta R.T. -0.00 min

Lab File: VF061583.D

Acq: 11 Feb 2019 13:51

Instrument :

MSVOA_F

ClientSampleId :

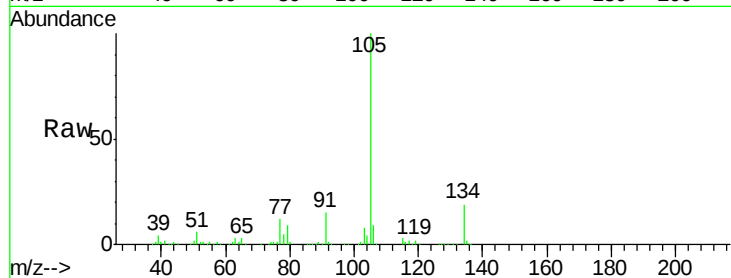
VF0211SBS01

Tot Ion:105 Resp: 282702

Ion Ratio Lower Upper

105 100

134 19.0 10.0 30.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

12.30

200000

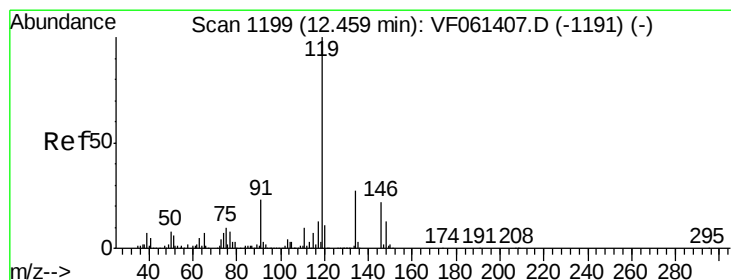
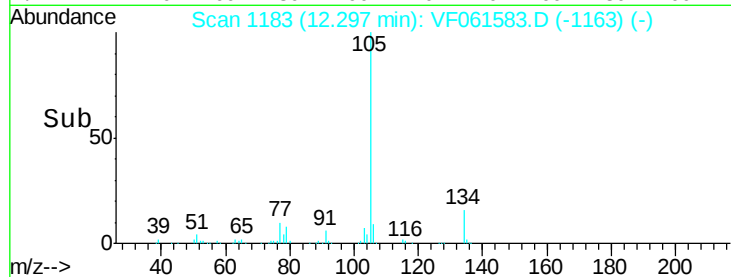
150000

100000

50000

0

Time--> 12.20 12.30 12.40



#86

p-Isopropyltoluene

Concen: 22.407 ug/l

RT: 12.44 min Scan# 1198

Delta R.T. -0.01 min

Lab File: VF061583.D

Acq: 11 Feb 2019 13:51

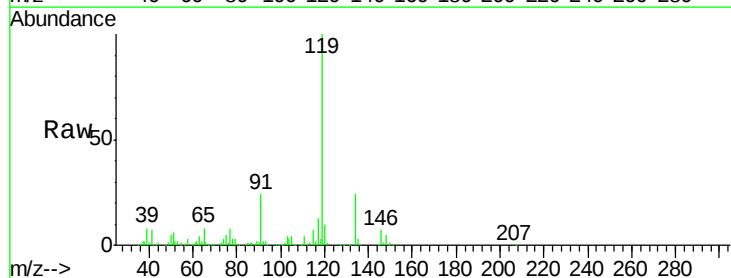
Tgt Ion:119 Resp: 237947

Ion Ratio Lower Upper

119 100

134 24.3 13.4 40.2

91 24.2 11.4 34.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0

12.44

200000

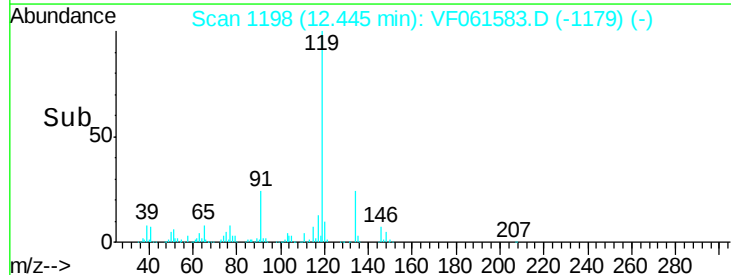
150000

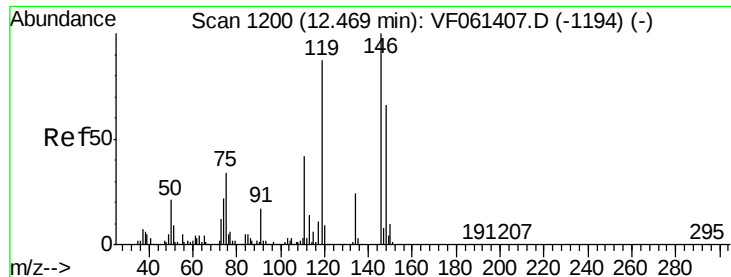
100000

50000

0

Time--> 12.40 12.60





#87

1,3-Dichlorobenzene

Concen: 20.164 ug/l

RT: 12.46 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VF061583.D

Acq: 11 Feb 2019 13:51

Instrument :

MSVOA_F

ClientSampleId :

VF0211SBS01

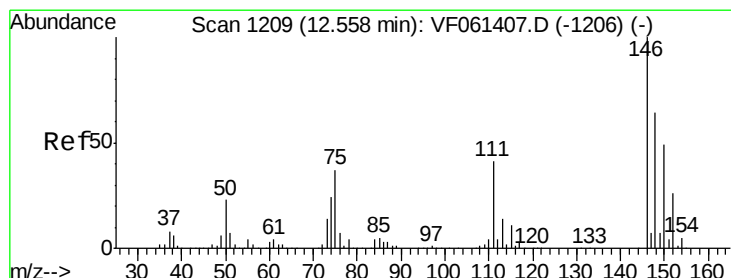
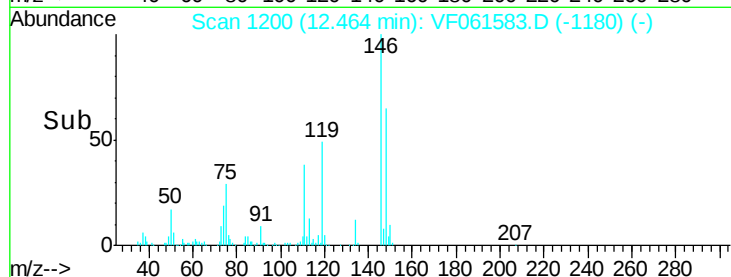
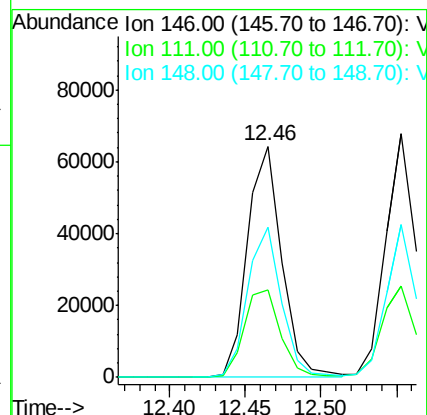
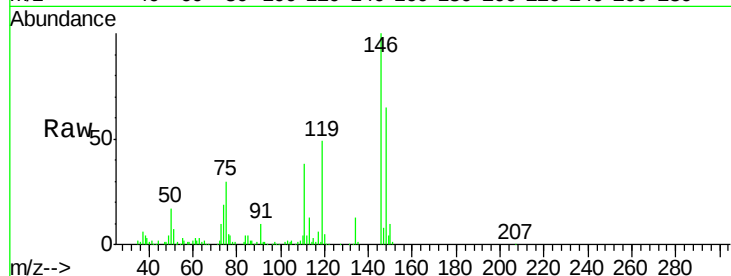
Tot Ion:146 Resp: 102022

Ion Ratio Lower Upper

146 100

111 37.8 21.1 63.4

148 65.0 32.9 98.6



#88

1,4-Dichlorobenzene

Concen: 21.602 ug/l

RT: 12.55 min Scan# 1209

Delta R.T. -0.00 min

Lab File: VF061583.D

Acq: 11 Feb 2019 13:51

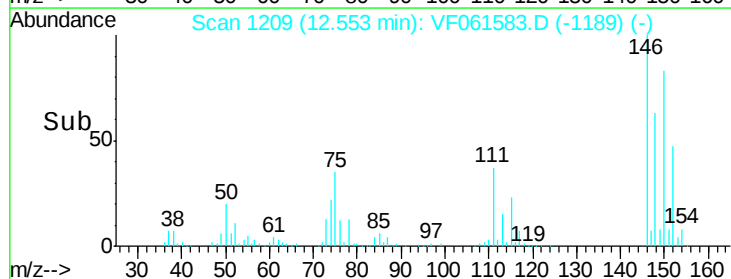
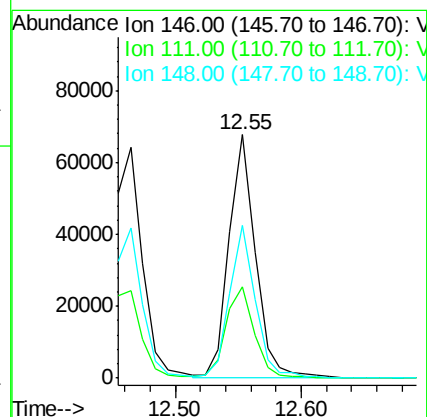
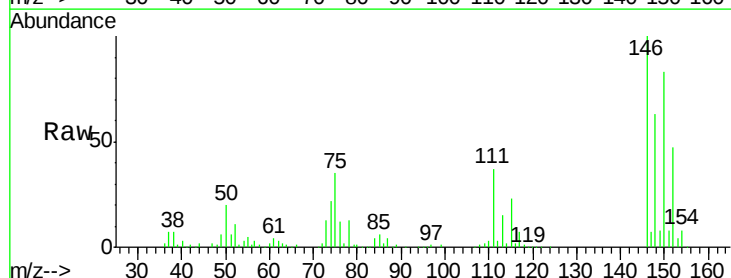
Tgt Ion:146 Resp: 98314

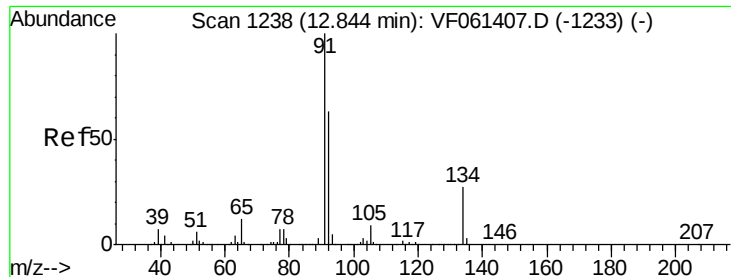
Ion Ratio Lower Upper

146 100

111 37.3 20.8 62.2

148 62.8 32.1 96.5

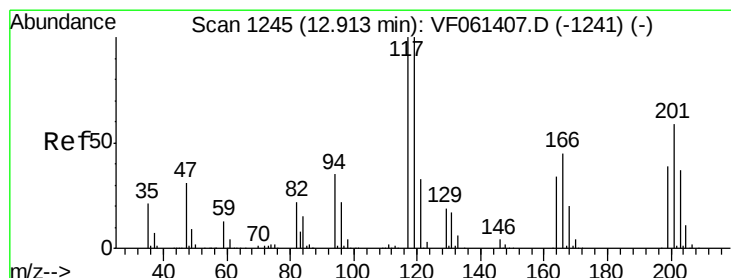
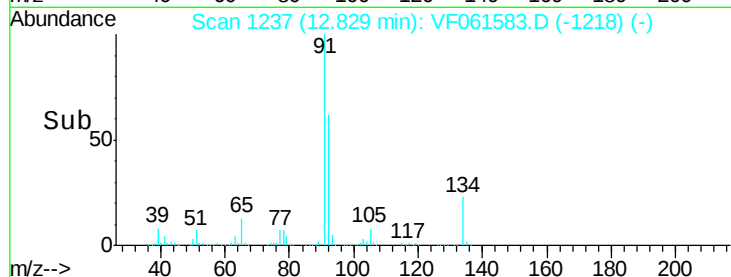
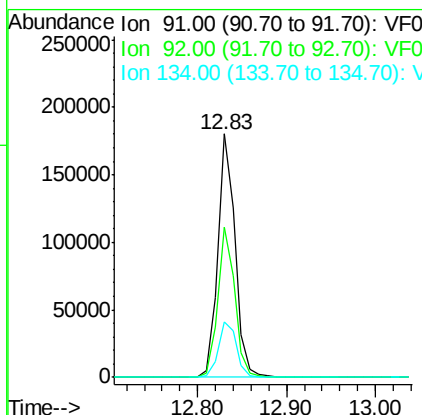
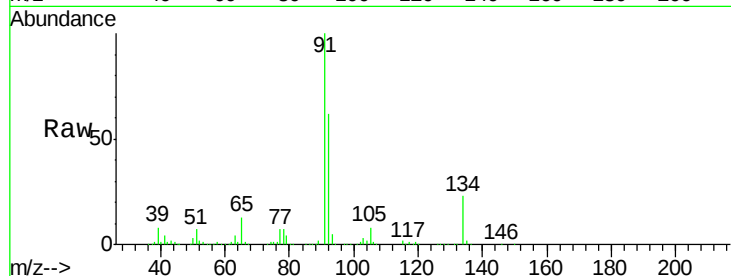




#89
n-Butylbenzene
Concen: 22.258 ug/l
RT: 12.83 min Scan# 1237
Delta R.T. -0.01 min
Lab File: VF061583.D
Acq: 11 Feb 2019 13:51

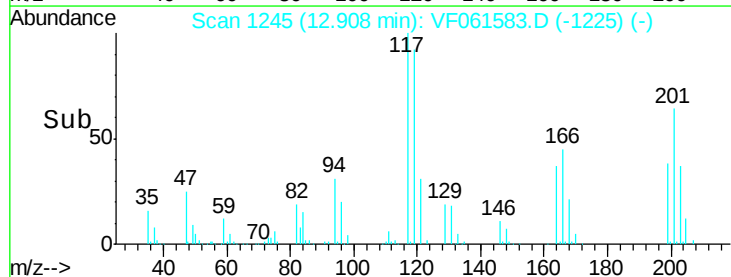
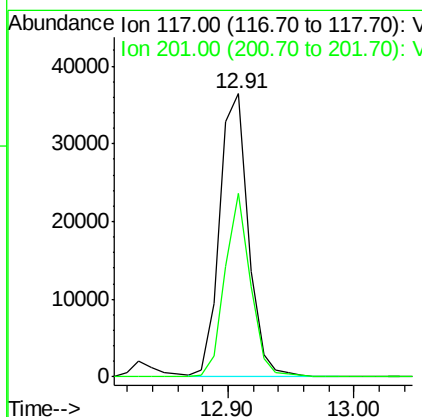
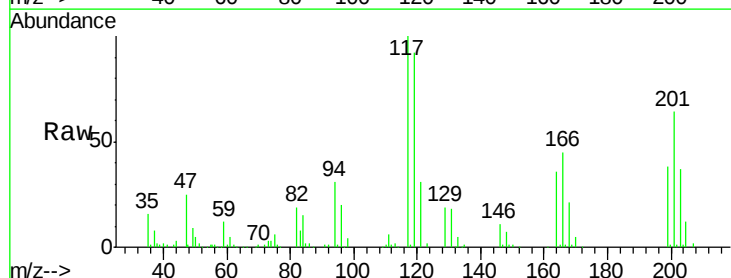
Instrument :
MSVOA_F
ClientSampleId :
VF0211SBS01

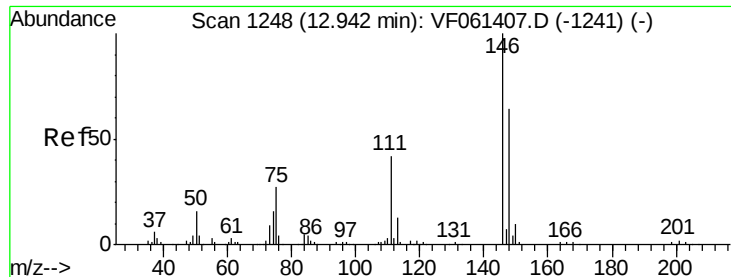
Tot Ion: 91 Resp: 243767
Ion Ratio Lower Upper
91 100
92 61.5 31.6 94.7
134 22.7 13.6 40.8



#90
Hexachloroethane
Concen: 23.111 ug/l
RT: 12.91 min Scan# 1245
Delta R.T. -0.00 min
Lab File: VF061583.D
Acq: 11 Feb 2019 13:51

Tgt Ion: 117 Resp: 57852
Ion Ratio Lower Upper
117 100
201 64.8 29.3 87.8

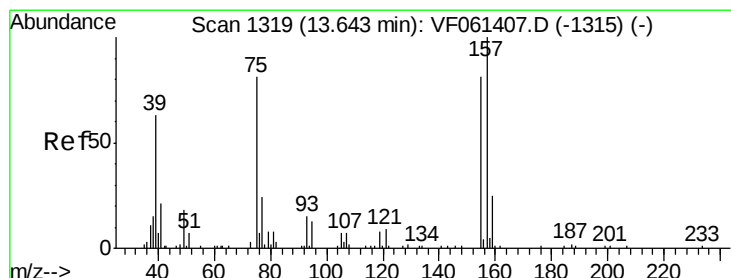
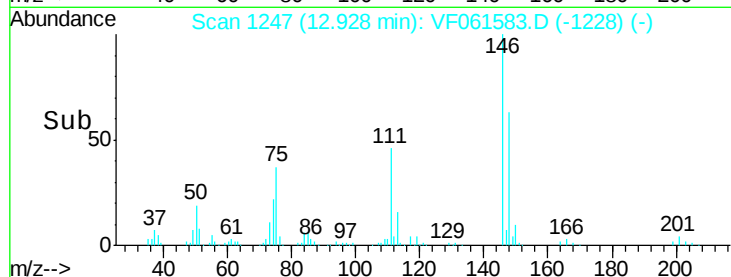
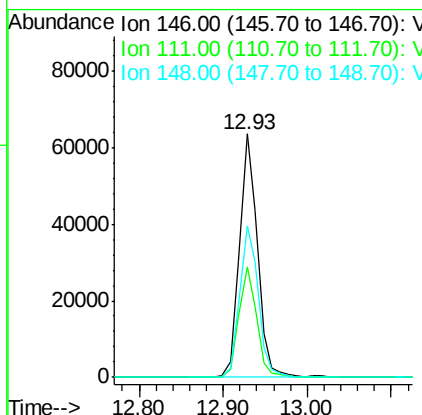
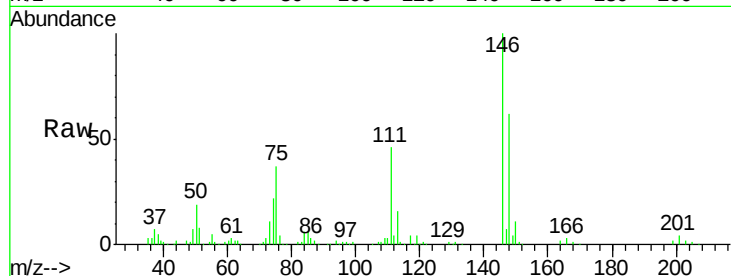




#91
 1,2-Dichlorobenzene
 Concen: 20.958 ug/l
 RT: 12.93 min Scan# 1247
 Delta R.T. -0.01 min
 Lab File: VF061583.D
 Acq: 11 Feb 2019 13:51

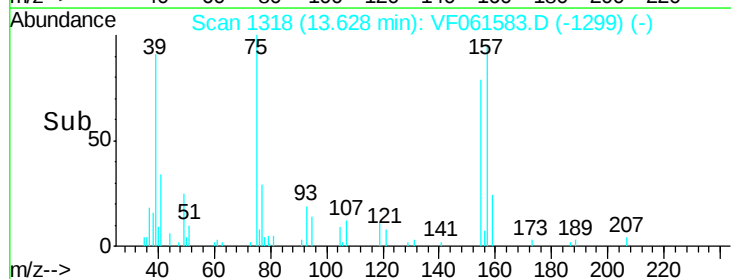
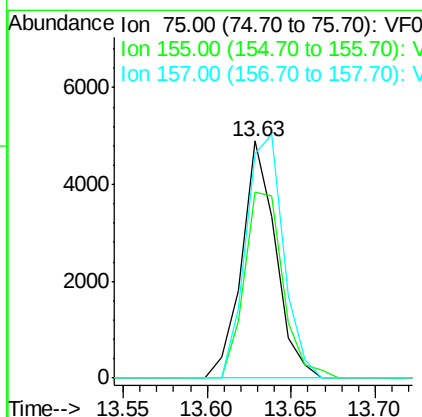
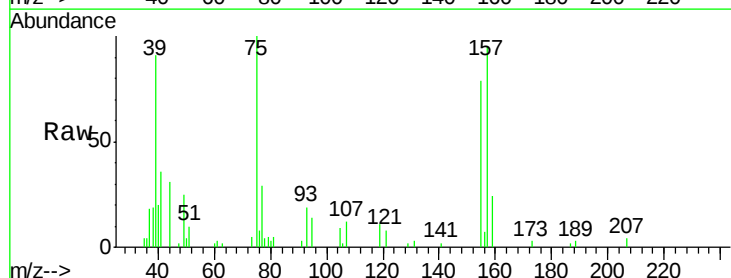
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0211SBS01

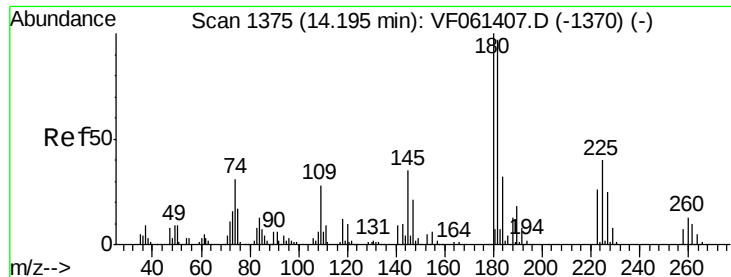
Tot Ion:146 Resp: 94426
 Ion Ratio Lower Upper
 146 100
 111 45.6 21.1 63.3
 148 62.4 31.9 95.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.026 ug/l
 RT: 13.63 min Scan# 1318
 Delta R.T. -0.01 min
 Lab File: VF061583.D
 Acq: 11 Feb 2019 13:51

Tgt Ion: 75 Resp: 6856
 Ion Ratio Lower Upper
 75 100
 155 78.7 49.7 149.1
 157 94.6 61.4 184.1

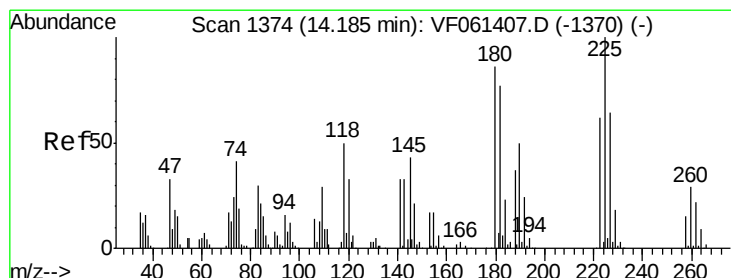
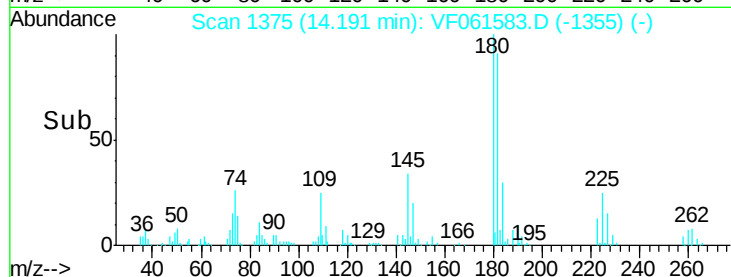
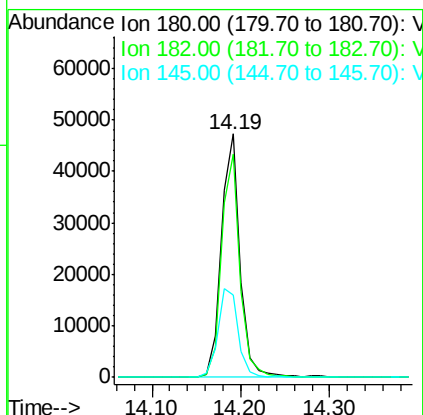
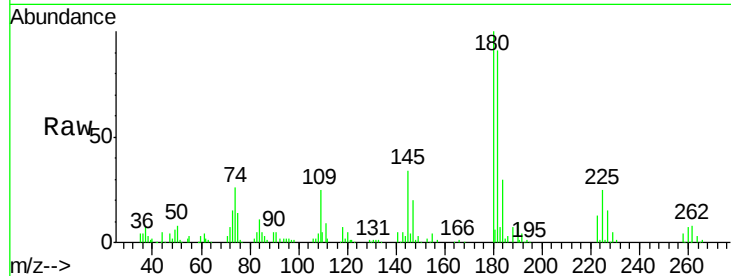




#93
 1,2,4-Trichlorobenzene
 Concen: 22.104 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. -0.00 min
 Lab File: VF061583.D
 Acq: 11 Feb 2019 13:51

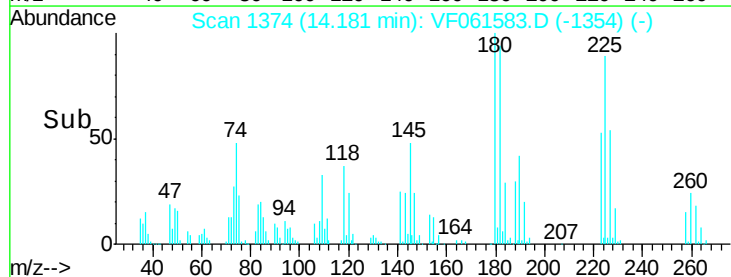
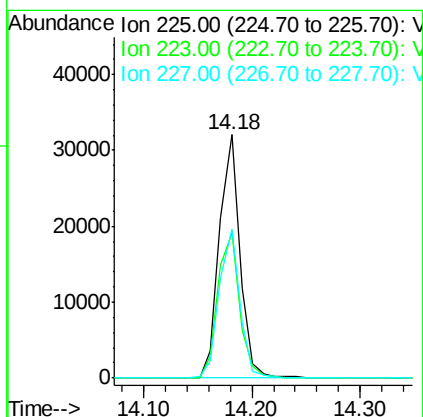
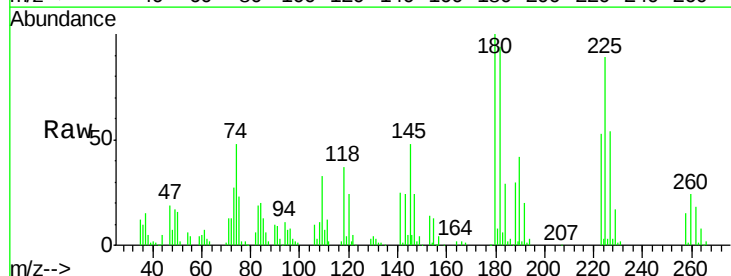
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0211SBS01

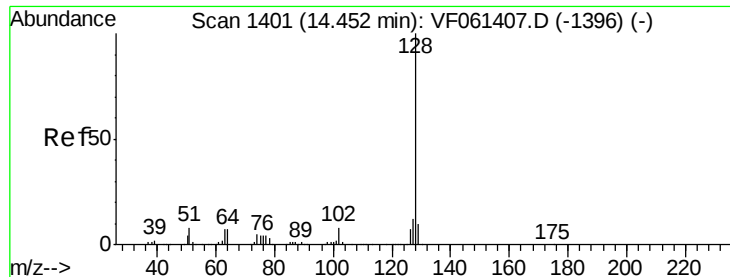
Tot Ion:180 Resp: 69764
 Ion Ratio Lower Upper
 180 100
 182 91.5 48.5 145.6
 145 33.6 17.5 52.6



#94
 Hexachlorobutadiene
 Concen: 21.707 ug/l
 RT: 14.18 min Scan# 1374
 Delta R.T. -0.00 min
 Lab File: VF061583.D
 Acq: 11 Feb 2019 13:51

Tgt Ion:225 Resp: 42513
 Ion Ratio Lower Upper
 225 100
 223 59.4 31.1 93.2
 227 61.3 32.2 96.6





#95

Naphthalene

Concen: 19.863 ug/l

RT: 14.45 min Scan# 1401

Delta R.T. -0.00 min

Lab File: VF061583.D

Acq: 11 Feb 2019 13:51

Instrument :

MSVOA_F

ClientSampleId :

VF0211SBS01

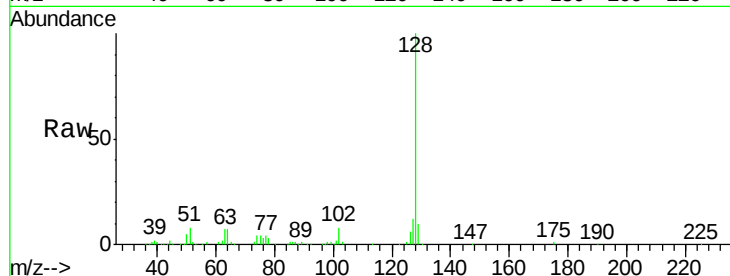
Tot Ion:128 Resp: 119109

Ion Ratio Lower Upper

128 100

127 12.4 9.5 14.3

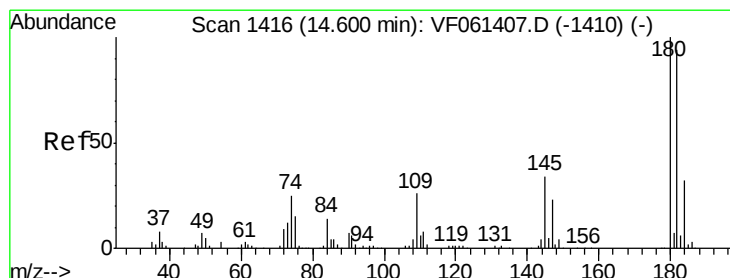
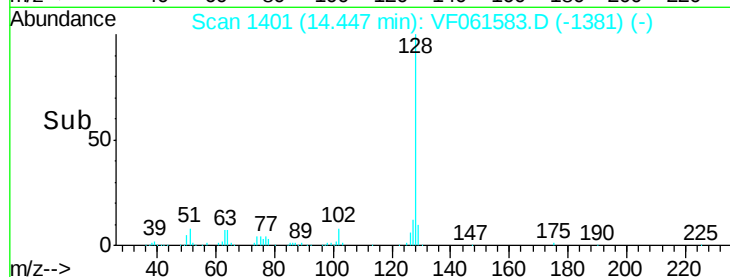
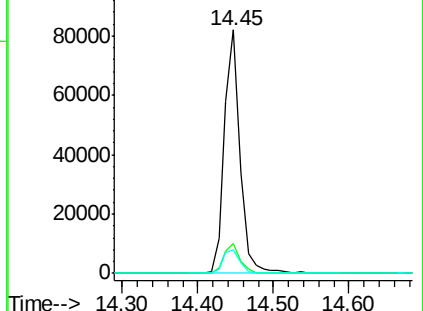
129 9.8 8.4 12.6



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 20.404 ug/l

RT: 14.60 min Scan# 1416

Delta R.T. -0.00 min

Lab File: VF061583.D

Acq: 11 Feb 2019 13:51

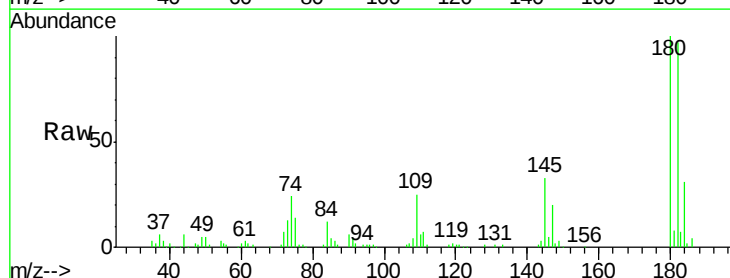
Tgt Ion:180 Resp: 59615

Ion Ratio Lower Upper

180 100

182 96.7 47.0 141.2

145 32.8 17.1 51.2



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

