

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF012819\
 Data File : VF061537.D
 Acq On : 28 Jan 2019 13:13
 Operator : VA/AP
 Sample : VF0128SBSD01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0128SBSD01

Quant Time: Jan 29 03:54:24 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	4.86	168	195442	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.59	114	348748	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.76	117	302838	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.54	152	157268	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.83	65	124610	51.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.28%	
35) Dibromofluoromethane	4.11	113	141540	51.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.86%	
50) Toluene-d8	7.54	98	371683	49.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.60%	
62) 4-Bromofluorobenzene	11.40	95	163975	46.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	70576	18.378	ug/l	89
3) Chloromethane	1.10	50	56677	20.129	ug/l	97
4) Vinyl Chloride	1.14	62	51059	20.385	ug/l	99
5) Bromomethane	1.32	94	31559	19.322	ug/l	96
6) Chloroethane	1.40	64	23062	20.779	ug/l	90
7) Trichlorofluoromethane	1.48	101	87636	17.998	ug/l	97
8) Diethyl Ether	1.63	74	14552	23.323	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	1.83	101	47091	20.127	ug/l	97
10) Methyl Iodide	1.91	142	61473	16.948	ug/l	94
11) Tert butyl alcohol	2.57	59	11612	113.690	ug/l #	90
12) 1,1-Dichloroethene	1.79	96	37382	21.505	ug/l	96
13) Acrolein	2.00	56	6305	79.042	ug/l	98
14) Allyl chloride	2.10	41	59078	30.822	ug/l	87
15) Acrylonitrile	2.93	53	31518	120.470	ug/l	94
16) Acetone	2.23	43	64102	132.422	ug/l	96
17) Carbon Disulfide	1.83	76	85628	15.799	ug/l	95
18) Methyl Acetate	2.34	43	23624	24.609	ug/l	96
19) Methyl tert-butyl Ether	2.42	73	79341	20.361	ug/l	96
20) Methylene Chloride	2.18	84	14745	7.479	ug/l	92
21) trans-1,2-Dichloroethene	2.30	96	41147	21.515	ug/l	93
22) Diisopropyl ether	2.80	45	144246	23.319	ug/l	99
23) Vinyl Acetate	3.18	43	361619	134.403	ug/l	100
24) 1,1-Dichloroethane	2.87	63	83965	21.627	ug/l	99
25) 2-Butanone	4.33	43	101904	126.590	ug/l	100
26) 2,2-Dichloropropane	3.59	77	45363	19.018	ug/l	96
27) cis-1,2-Dichloroethene	3.47	96	61788	21.886	ug/l	94
28) Bromochloromethane	3.71	49	40659	23.298	ug/l #	94
29) Tetrahydrofuran	4.07	42	41272	119.068	ug/l	99
30) Chloroform	3.86	83	111474	21.275	ug/l	98
31) Cyclohexane	3.67	56	59238	15.275	ug/l	93
32) 1,1,1-Trichloroethane	4.09	97	71351	18.572	ug/l	98
36) 1,1-Dichloropropene	4.27	75	87568	21.656	ug/l	99
37) Ethyl Acetate	4.10	43	37416	23.149	ug/l	91
38) Carbon Tetrachloride	3.98	117	64234	18.171	ug/l	98

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 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	5.44	83	86636	19.771	ug/l	96
40) Benzene	4.62	78	208167	23.136	ug/l	99
41) Methacrylonitrile	4.74	41	20557	23.902	ug/l	94
42) 1,2-Dichloroethane	4.93	62	63290	19.740	ug/l	99
43) Isopropyl Acetate	6.95	43	45864	22.608	ug/l #	99
44) Trichloroethene	5.49	130	60571	21.945	ug/l	92
45) 1,2-Dichloropropane	6.22	63	50228	21.270	ug/l	92
46) Dibromomethane	6.08	93	33372	21.253	ug/l	94
47) Bromodichloromethane	6.38	83	82517	21.240	ug/l	96
48) Methyl methacrylate	6.70	41	30252	22.208	ug/l	93
49) 1,4-Dioxane	6.70	88	4360	418.131	ug/l #	78
51) 4-Methyl-2-Pentanone	8.25	43	166316	111.520	ug/l	99
52) Toluene	7.61	92	121868	20.568	ug/l	100
53) t-1,3-Dichloropropene	8.27	75	66168	21.449	ug/l	99
54) cis-1,3-Dichloropropene	7.29	75	81945	21.251	ug/l	95
55) 1,1,2-Trichloroethane	8.48	97	33969	20.188	ug/l	94
56) Ethyl methacrylate	8.61	69	42944	21.937	ug/l	97
57) 1,3-Dichloropropane	8.84	76	63688	20.194	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.28	63	32901	170.152	ug/l	100
59) 2-Hexanone	9.48	43	130442	125.431	ug/l	95
60) Dibromochloromethane	8.71	129	49320	20.050	ug/l	99
61) 1,2-Dibromoethane	8.97	107	37358	19.394	ug/l	96
64) Tetrachloroethene	8.14	164	47988	21.072	ug/l	93
65) Chlorobenzene	9.79	112	136344	22.139	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.92	131	52099	21.236	ug/l	97
67) Ethyl Benzene	9.89	91	236195	20.992	ug/l	99
68) m/p-Xylenes	10.13	106	174760	43.184	ug/l	100
69) o-Xylene	10.70	106	95988	21.885	ug/l	94
70) Styrene	10.78	104	132145	22.010	ug/l	99
71) Bromoform	10.77	173	26500	24.041	ug/l #	93
73) Isopropylbenzene	11.11	105	288583	22.562	ug/l	97
74) N-amyl acetate	11.37	43	78576	25.979	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.68	83	51018	22.389	ug/l	93
76) 1,2,3-Trichloropropane	11.78	75	35429	21.638	ug/l	97
77) Bromobenzene	11.49	156	55402	20.509	ug/l	89
78) n-propylbenzene	11.59	91	339616	20.391	ug/l	97
79) 2-Chlorotoluene	11.71	91	195797	22.062	ug/l	97
80) 1,3,5-Trimethylbenzene	11.81	105	232360	22.510	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.86	75	22850	32.103	ug/l	97
82) 4-Chlorotoluene	11.89	91	188755	21.077	ug/l	98
83) tert-Butylbenzene	12.12	119	231767	21.693	ug/l	98
84) 1,2,4-Trimethylbenzene	12.20	105	226517	21.304	ug/l	94
85) sec-Butylbenzene	12.30	105	316681	21.826	ug/l	96
86) p-Isopropyltoluene	12.45	119	268580	22.550	ug/l	97
87) 1,3-Dichlorobenzene	12.46	146	114082	20.102	ug/l	96
88) 1,4-Dichlorobenzene	12.56	146	110747	21.696	ug/l	97
89) n-Butylbenzene	12.84	91	270308	22.006	ug/l	96
90) Hexachloroethane	12.91	117	64135	22.843	ug/l	85
91) 1,2-Dichlorobenzene	12.94	146	105477	20.873	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.64	75	7616	18.844	ug/l	97

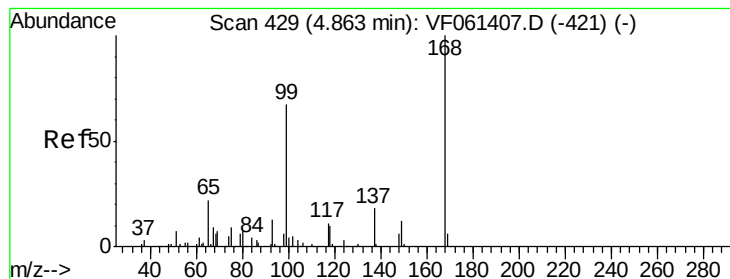
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF012819\
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Quant Title : SW846 8260
QLast Update : Wed Jan 16 04:51:59 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	70787	19.997	ug/l	94
94) Hexachlorobutadiene	14.18	225	43072	19.608	ug/l	94
95) Naphthalene	14.45	128	137745	20.481	ug/l	99
96) 1,2,3-Trichlorobenzene	14.59	180	66366	20.252	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.86 min Scan# 429

Delta R.T. -0.01 min

Lab File: VF061537.D

Acq: 28 Jan 2019 13:13

Instrument :

MSVOA_F

ClientSampleId :

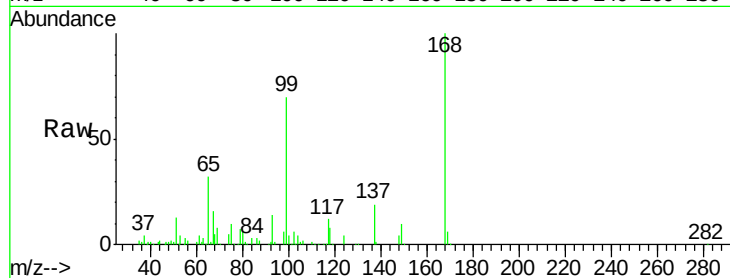
VF0128SBSD01

Tot Ion:168 Resp: 195442

Ion Ratio Lower Upper

168 100

99 69.6 53.5 80.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.86

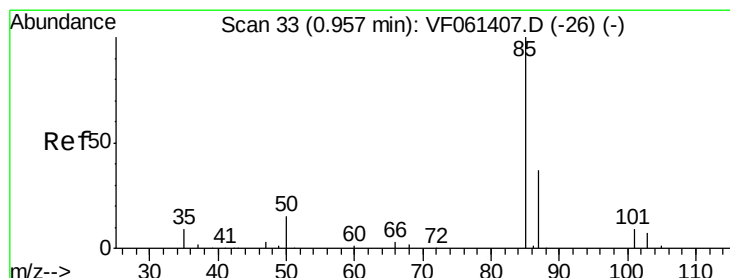
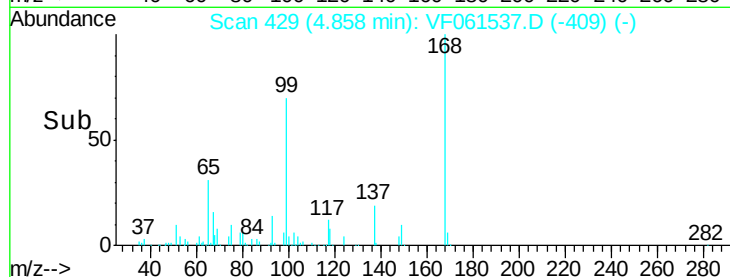
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 18.378 ug/l

RT: 0.96 min Scan# 34

Delta R.T. 0.00 min

Lab File: VF061537.D

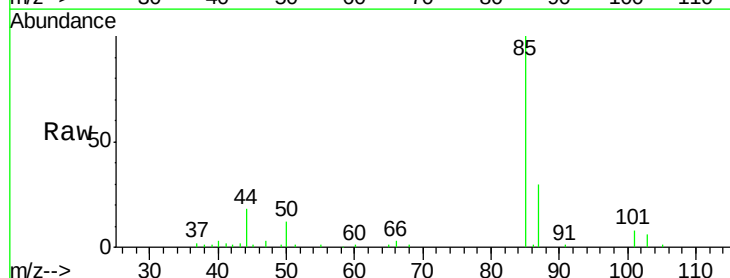
Acq: 28 Jan 2019 13:13

Tgt Ion: 85 Resp: 70576

Ion Ratio Lower Upper

85 100

87 30.4 18.4 55.0



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

25000

20000

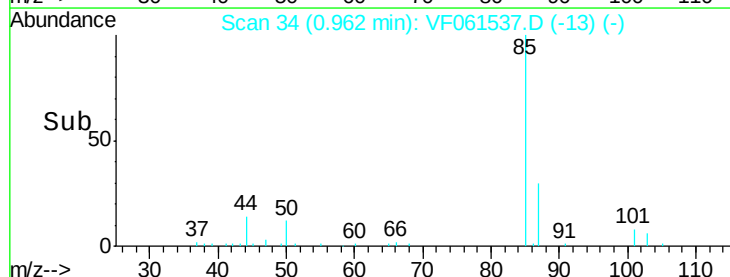
15000

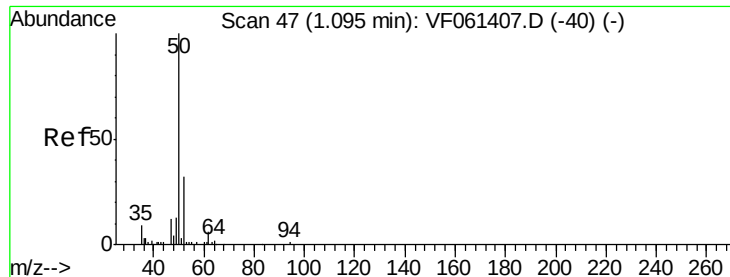
10000

5000

0

Time-->





#3

Chloromethane

Concen: 20.129 ug/l

RT: 1.10 min Scan# 48

Delta R.T. 0.00 min

Lab File: VF061537.D

Acq: 28 Jan 2019 13:13

Instrument :

MSVOA_F

ClientSampleId :

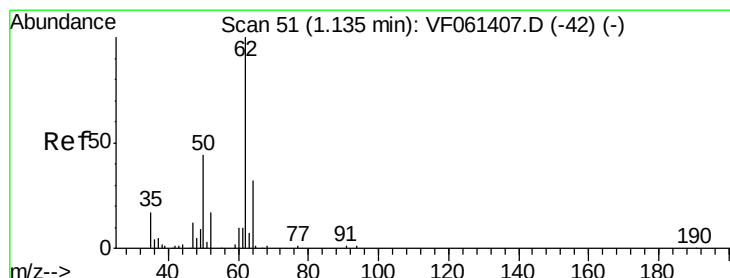
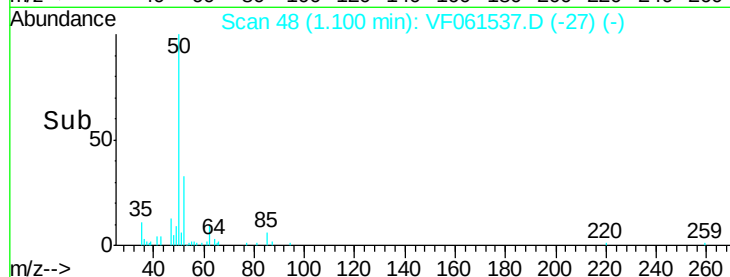
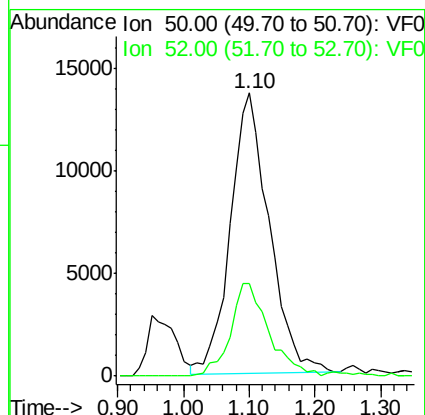
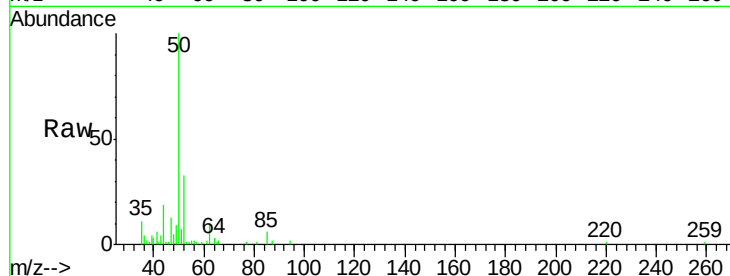
VF0128SBS01

Tot Ion: 50 Resp: 56677

Ion Ratio Lower Upper

50 100

52 32.6 24.6 36.8



#4

Vinyl Chloride

Concen: 20.385 ug/l

RT: 1.14 min Scan# 52

Delta R.T. 0.00 min

Lab File: VF061537.D

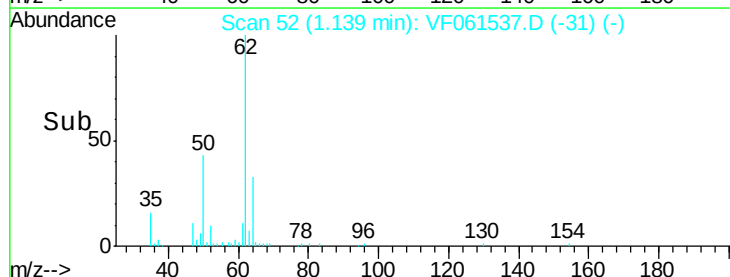
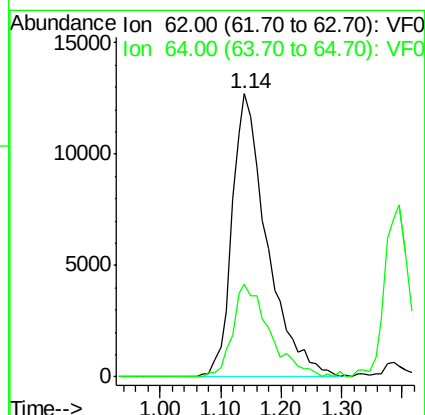
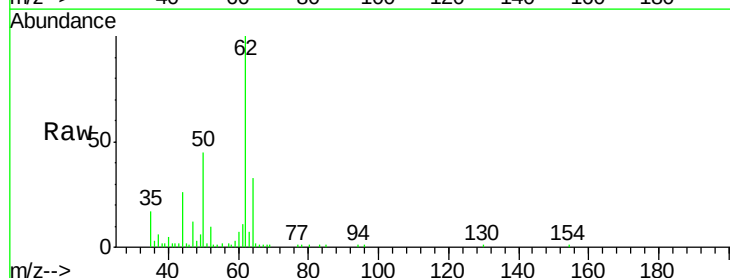
Acq: 28 Jan 2019 13:13

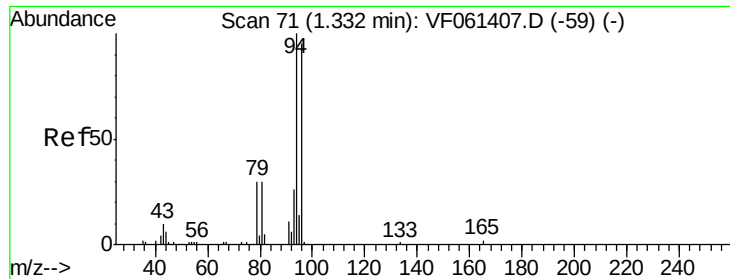
Tgt Ion: 62 Resp: 51059

Ion Ratio Lower Upper

62 100

64 32.6 25.6 38.4





#5

Bromomethane

Concen: 19.322 ug/l

RT: 1.32 min Scan# 70

Delta R.T. -0.02 min

Lab File: VF061537.D

Acq: 28 Jan 2019 13:13

Instrument :

MSVOA_F

ClientSampleId :

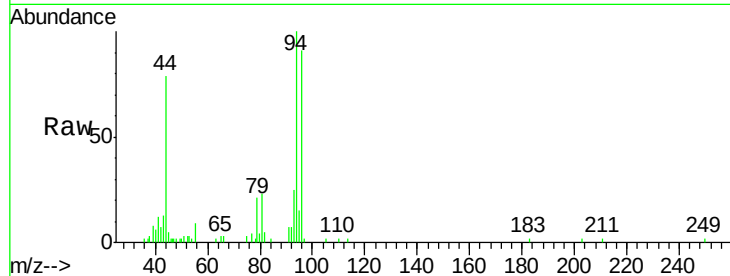
VF0128SBS01

Tot Ion: 94 Resp: 31559

Ion Ratio Lower Upper

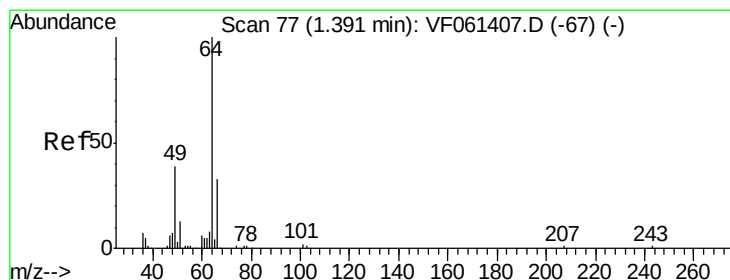
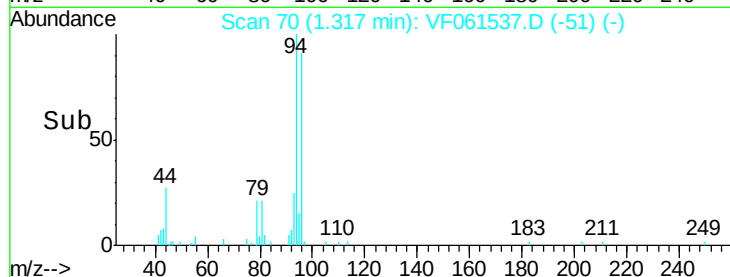
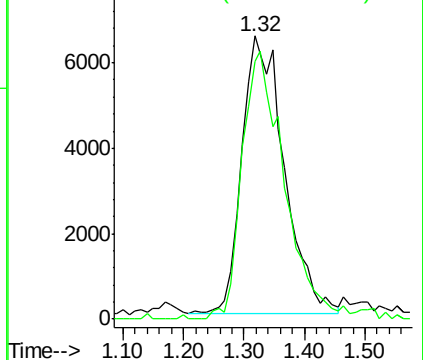
94 100

96 91.1 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: 20.779 ug/l

RT: 1.40 min Scan# 78

Delta R.T. 0.00 min

Lab File: VF061537.D

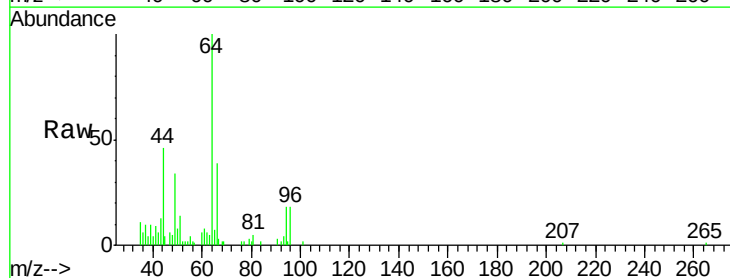
Acq: 28 Jan 2019 13:13

Tgt Ion: 64 Resp: 23062

Ion Ratio Lower Upper

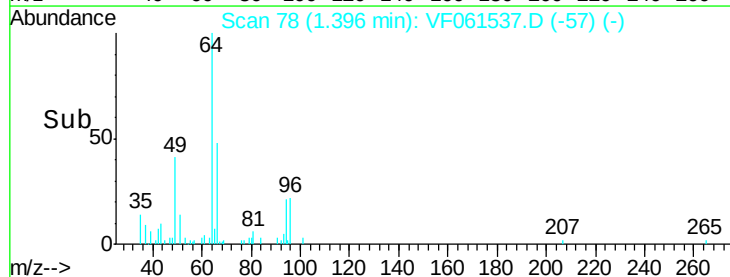
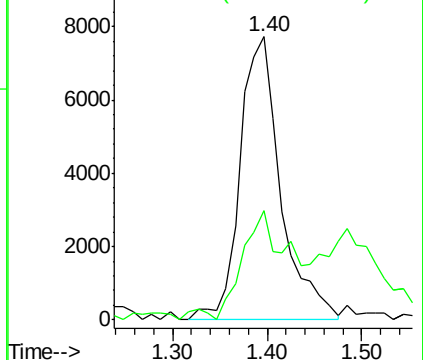
64 100

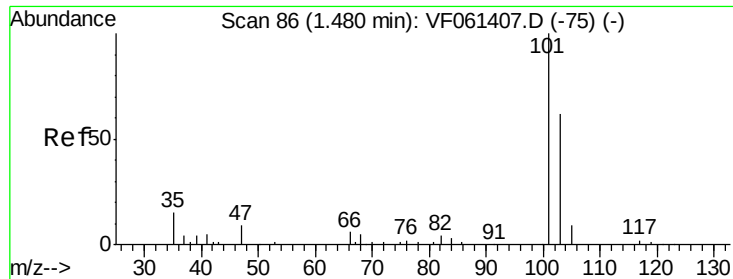
66 38.8 26.6 40.0



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0



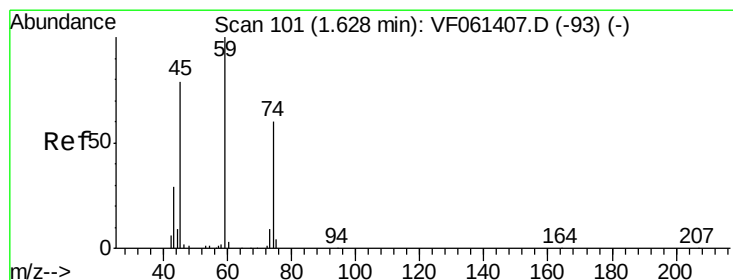
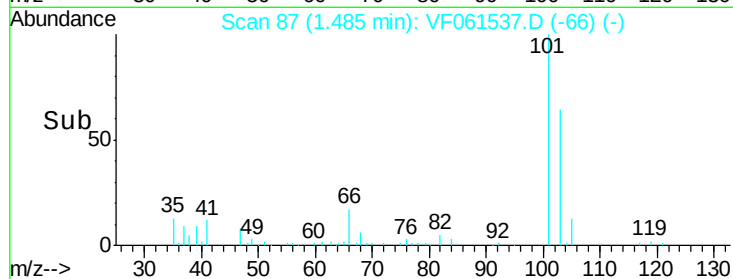
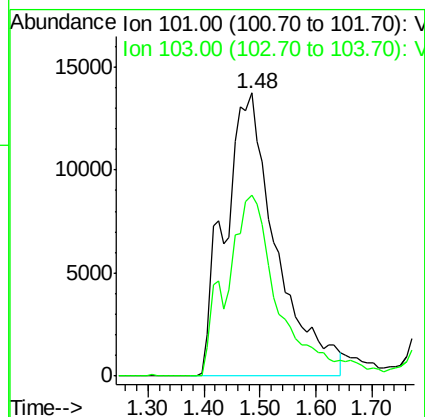
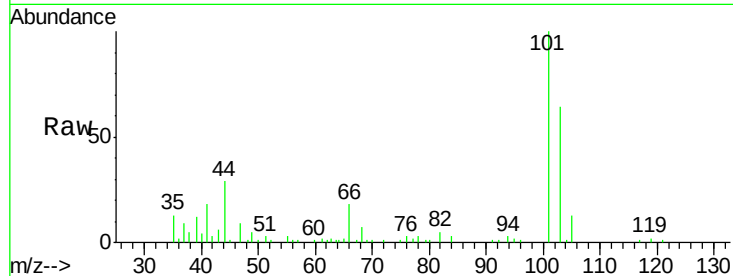


#7

Trichlorofluoromethane
Concen: 17.998 ug/l
RT: 1.48 min Scan# 87
Delta R.T. 0.00 min
Lab File: VF061537.D
Acq: 28 Jan 2019 13:13

Instrument :
MSVOA_F
ClientSampleId :
VF0128SBSD01

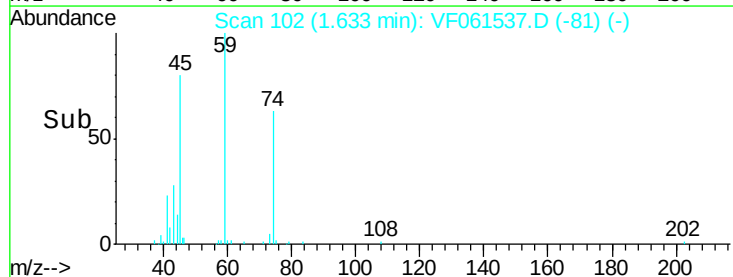
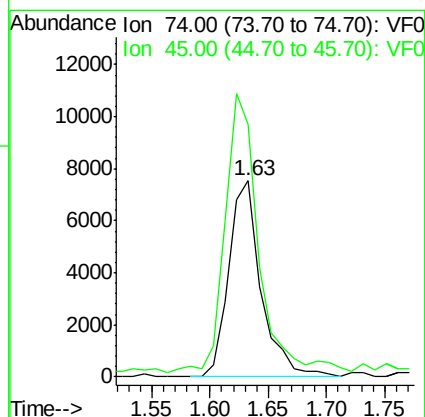
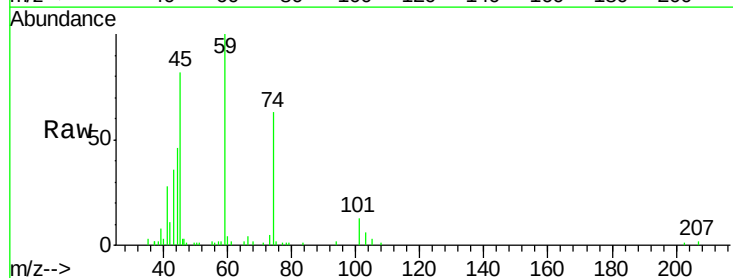
Tot Ion:101 Resp: 87636
Ion Ratio Lower Upper
101 100
103 64.1 49.7 74.5

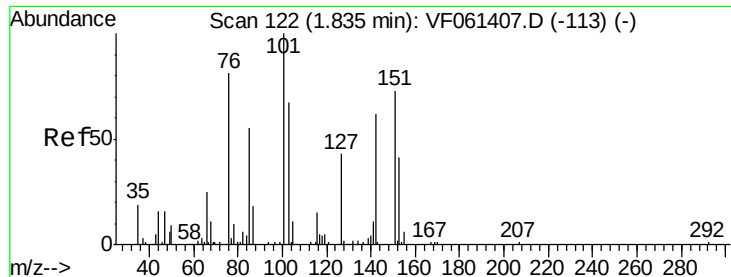


#8

Diethyl Ether
Concen: 23.323 ug/l
RT: 1.63 min Scan# 102
Delta R.T. 0.00 min
Lab File: VF061537.D
Acq: 28 Jan 2019 13:13

Tgt Ion: 74 Resp: 14552
Ion Ratio Lower Upper
74 100
45 129.4 65.8 197.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.127 ug/l

RT: 1.83 min Scan# 122

Delta R.T. -0.01 min

Lab File: VF061537.D

Acq: 28 Jan 2019 13:13

Instrument :

MSVOA_F

ClientSampleId :

VF0128SBSD01

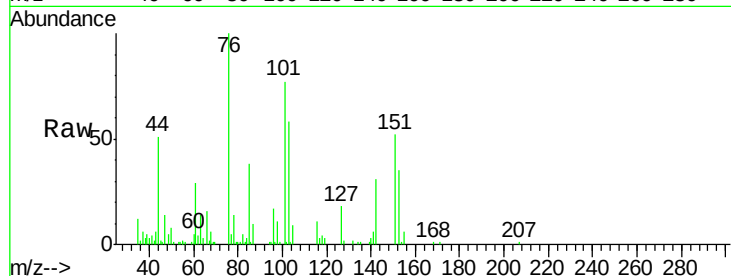
Tot Ion:101 Resp: 47091

Ion Ratio Lower Upper

101 100

85 49.2 41.9 62.9

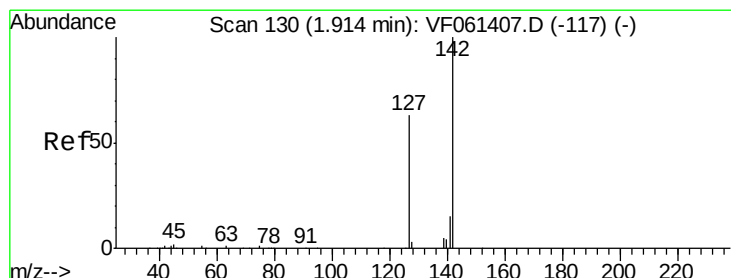
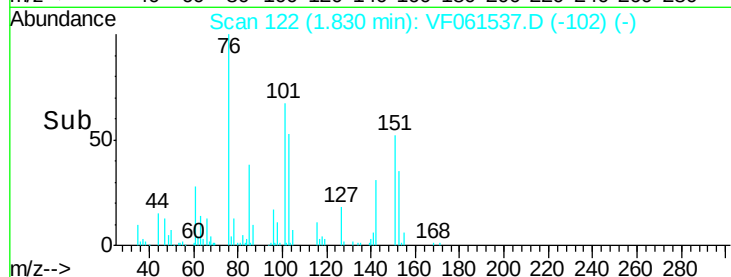
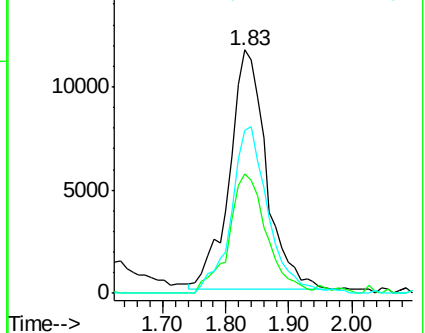
151 66.8 55.1 82.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 16.948 ug/l

RT: 1.91 min Scan# 130

Delta R.T. -0.01 min

Lab File: VF061537.D

Acq: 28 Jan 2019 13:13

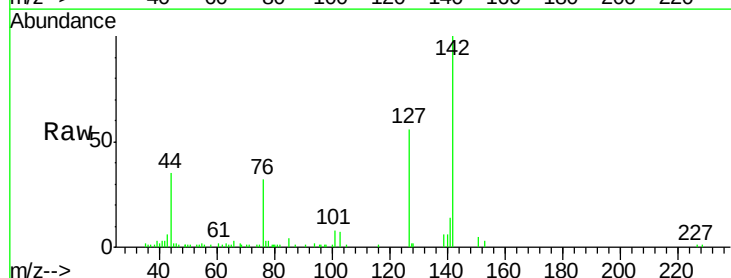
Tgt Ion:142 Resp: 61473

Ion Ratio Lower Upper

142 100

127 58.0 50.7 76.1

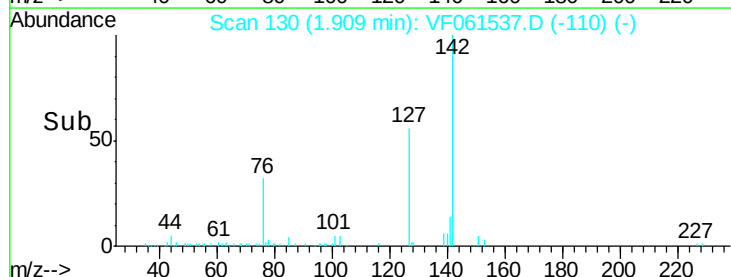
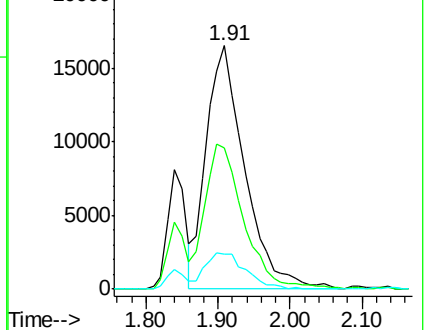
141 14.3 11.8 17.6

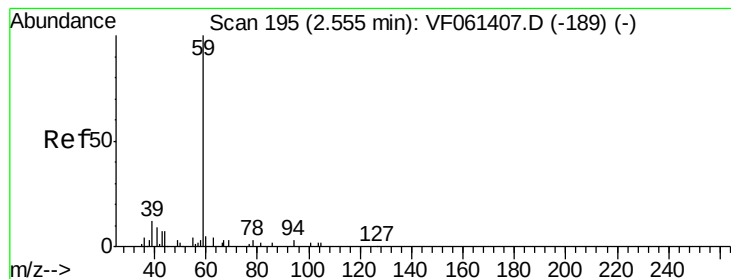


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



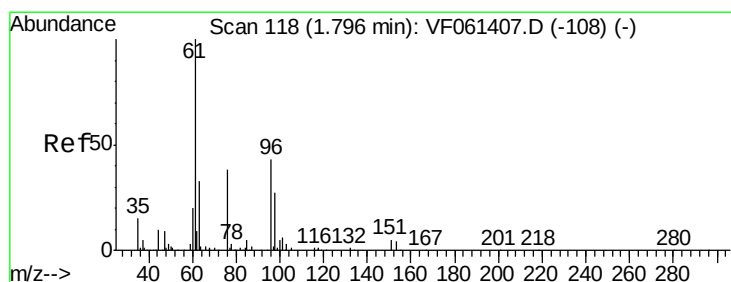
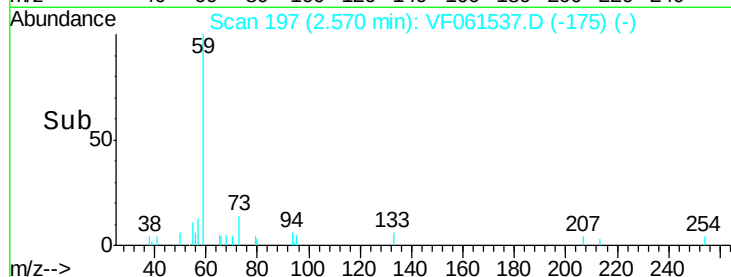
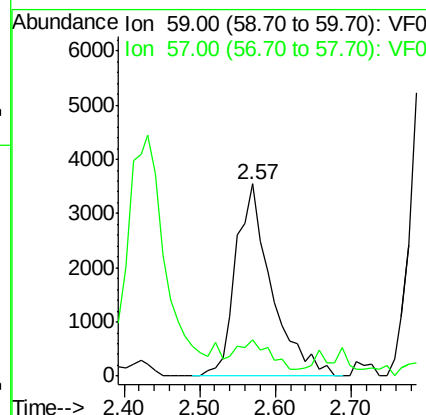
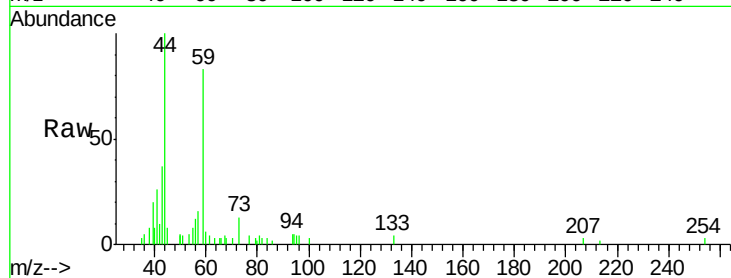


#11

Tert butyl alcohol
Concen: 113.690 ug/l
RT: 2.57 min Scan# 197
Delta R.T. 0.01 min
Lab File: VF061537.D
Acq: 28 Jan 2019 13:13

Instrument :
MSVOA_F
ClientSampleId :
VF0128SBS01

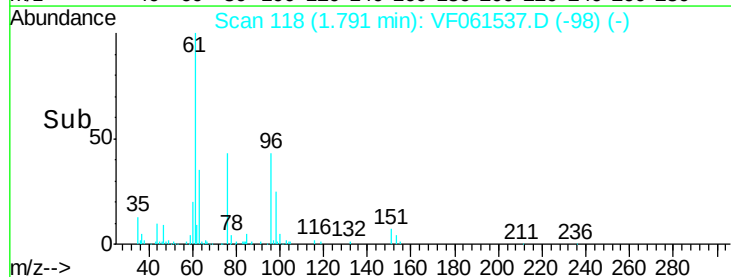
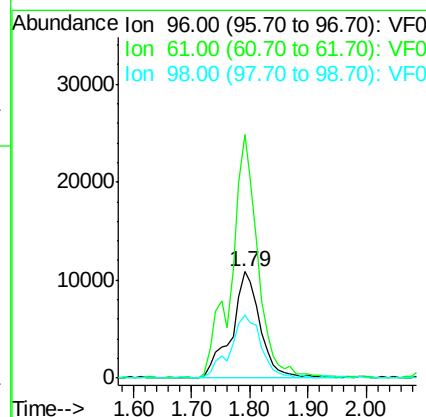
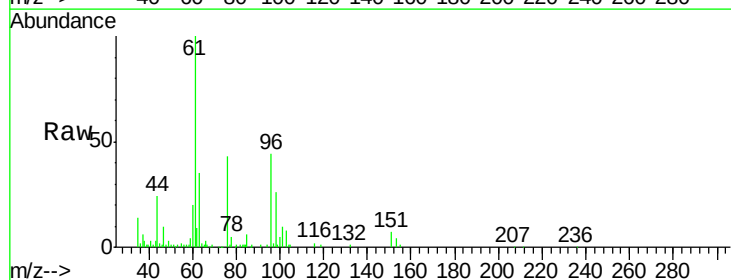
Tot Ion: 59 Resp: 11612
Ion Ratio Lower Upper
59 100
57 19.2 11.9 17.9#

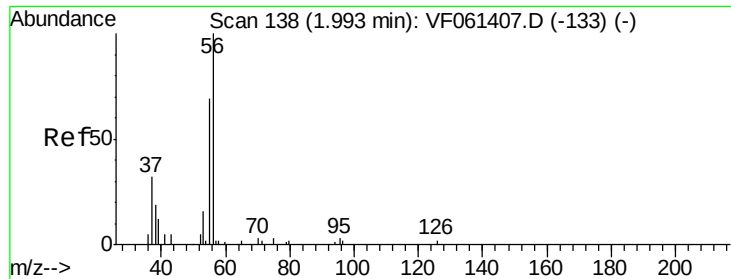


#12

1,1-Dichloroethene
Concen: 21.505 ug/l
RT: 1.79 min Scan# 118
Delta R.T. -0.01 min
Lab File: VF061537.D
Acq: 28 Jan 2019 13:13

Tgt Ion: 96 Resp: 37382
Ion Ratio Lower Upper
96 100
61 229.1 186.9 280.3
98 59.3 53.0 79.4





#13

Acrolein

Concen: 79.042 ug/l

RT: 2.00 min Scan# 139

Delta R.T. 0.01 min

Lab File: VF061537.D

Acq: 28 Jan 2019 13:13

Instrument :

MSVOA_F

ClientSampleId :

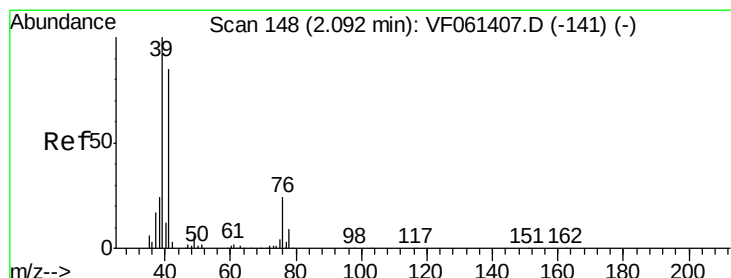
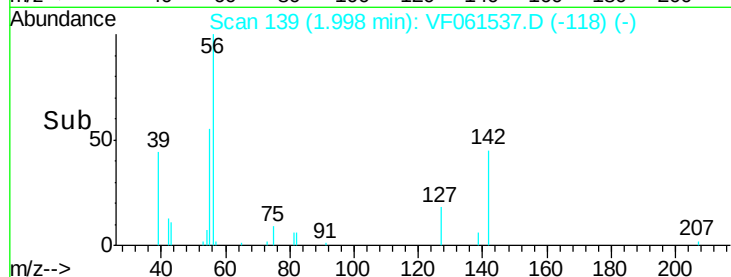
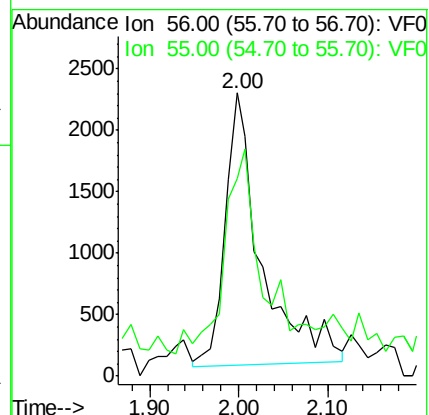
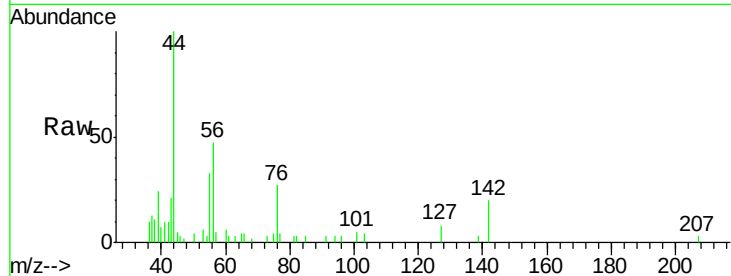
VF0128SBSD01

Tot Ion: 56 Resp: 6305

Ion Ratio Lower Upper

56 100

55 69.9 57.5 86.3



#14

Allyl chloride

Concen: 30.822 ug/l

RT: 2.10 min Scan# 149

Delta R.T. 0.01 min

Lab File: VF061537.D

Acq: 28 Jan 2019 13:13

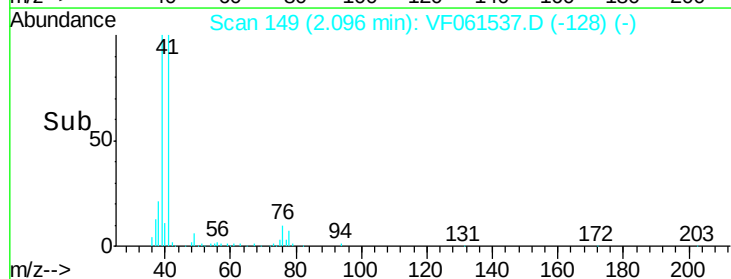
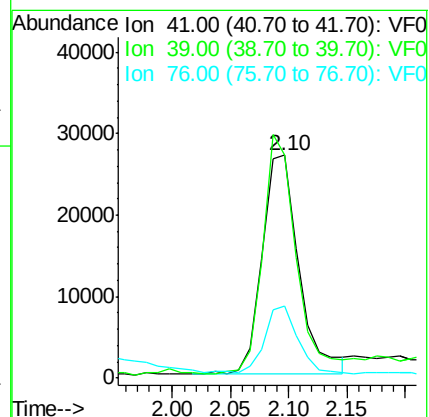
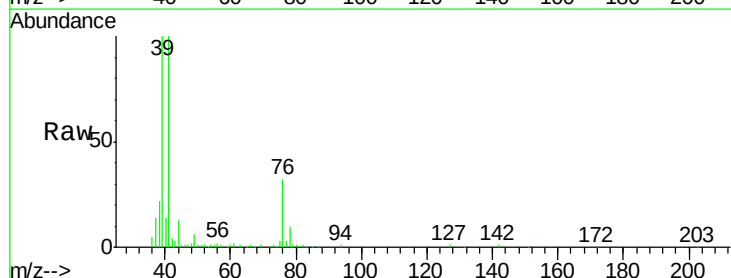
Tgt Ion: 41 Resp: 59078

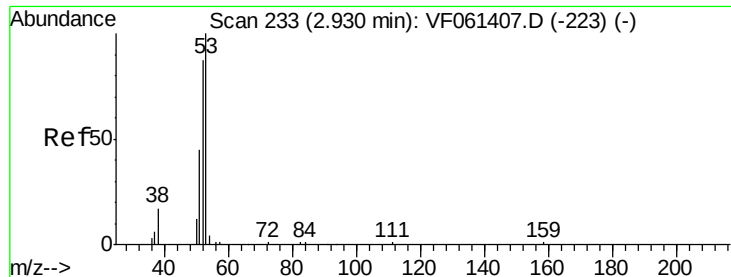
Ion Ratio Lower Upper

41 100

39 100.3 94.6 141.8

76 32.3 25.9 38.9





#15

Acrylonitrile

Concen: 120.470 ug/l

RT: 2.93 min Scan# 234

Delta R.T. 0.00 min

Lab File: VF061537.D

Acq: 28 Jan 2019 13:13

Instrument :

MSVOA_F

ClientSampleId :

VF0128SBSD01

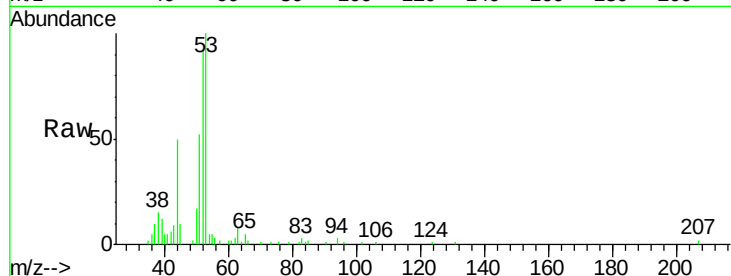
Tot Ion: 53 Resp: 31518

Ion Ratio Lower Upper

53 100

52 91.5 69.6 104.4

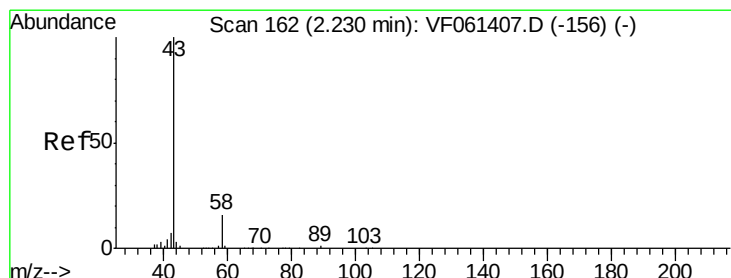
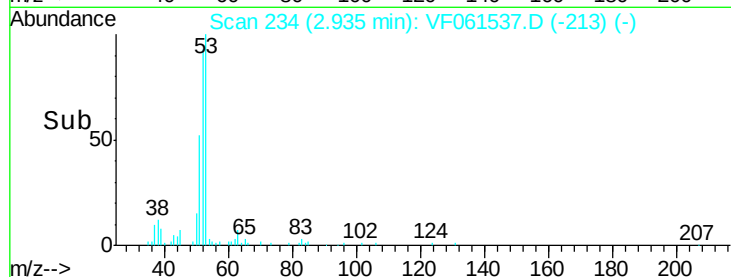
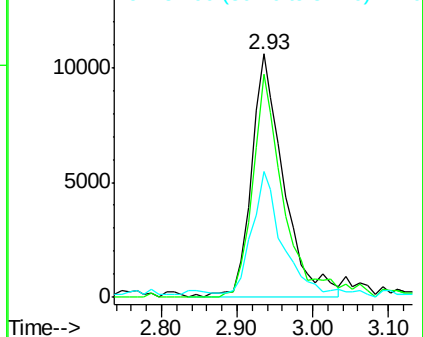
51 51.7 36.8 55.2



Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 132.422 ug/l

RT: 2.23 min Scan# 163

Delta R.T. 0.00 min

Lab File: VF061537.D

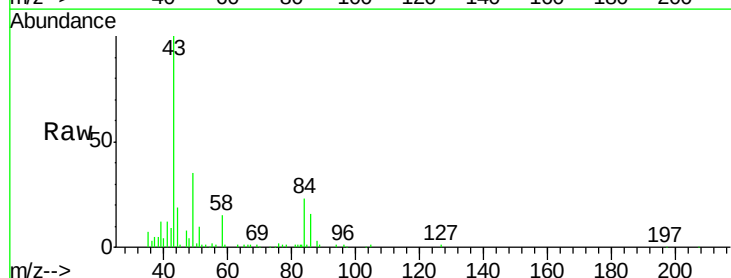
Acq: 28 Jan 2019 13:13

Tgt Ion: 43 Resp: 64102

Ion Ratio Lower Upper

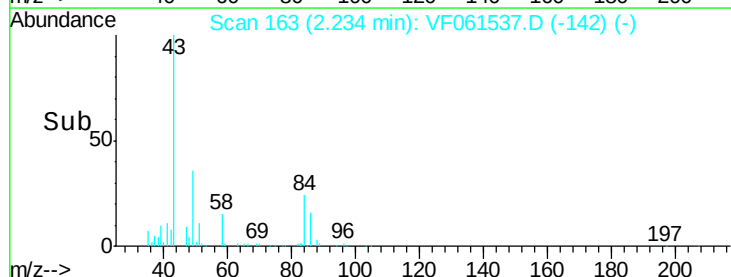
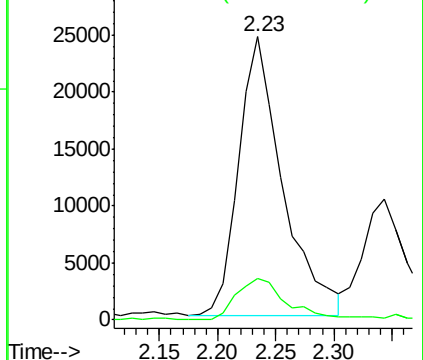
43 100

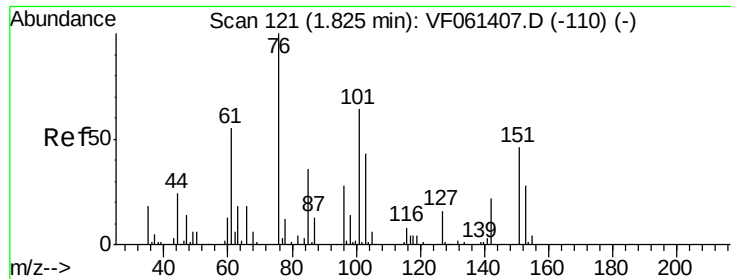
58 14.7 13.3 19.9



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#17

Carbon Disulfide

Concen: 15.799 ug/l

RT: 1.83 min Scan# 122

Delta R.T. 0.00 min

Lab File: VF061537.D

Acq: 28 Jan 2019 13:13

Instrument :

MSVOA_F

ClientSampleId :

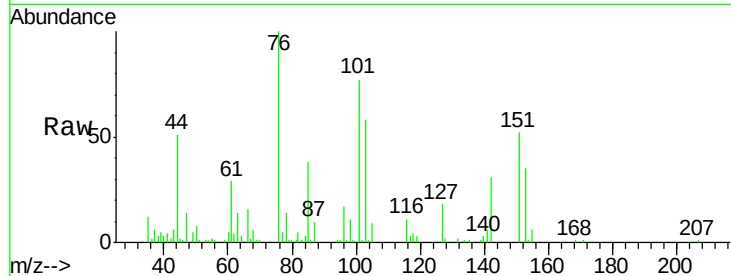
VF0128SBSD01

Tot Ion: 76 Resp: 85628

Ion Ratio Lower Upper

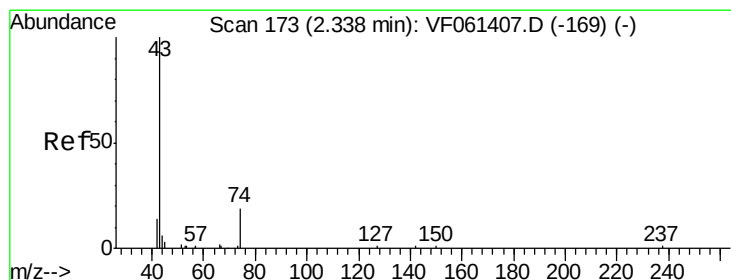
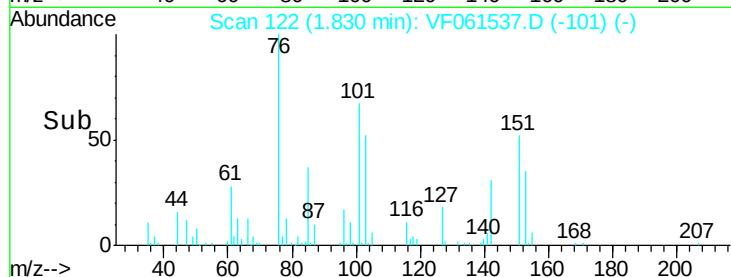
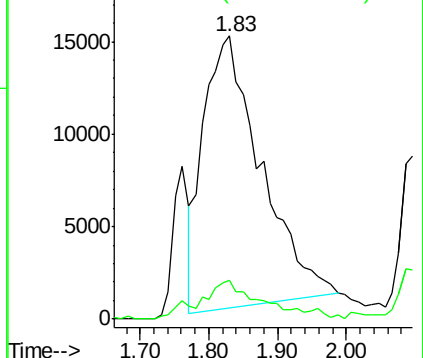
76 100

78 13.8 9.6 14.4



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#18

Methyl Acetate

Concen: 24.609 ug/l

RT: 2.34 min Scan# 174

Delta R.T. 0.00 min

Lab File: VF061537.D

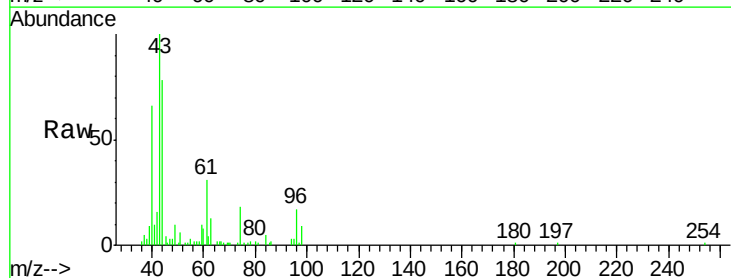
Acq: 28 Jan 2019 13:13

Tgt Ion: 43 Resp: 23624

Ion Ratio Lower Upper

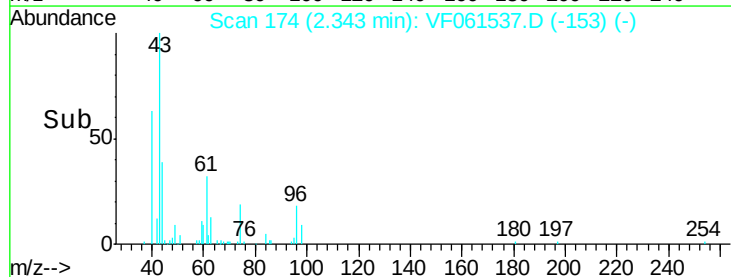
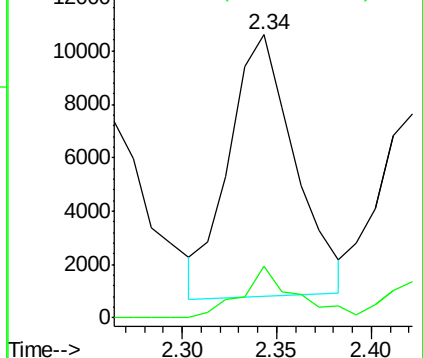
43 100

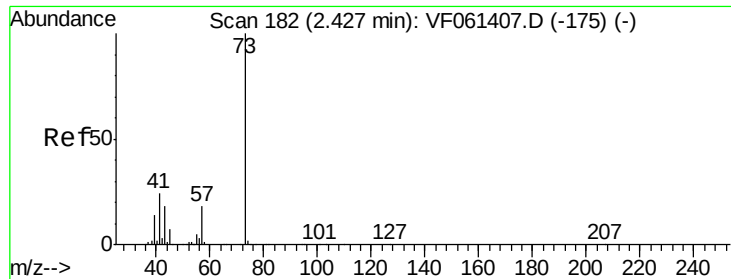
74 18.3 13.4 20.0



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0

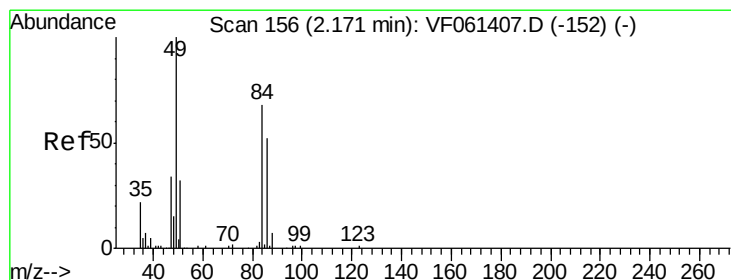
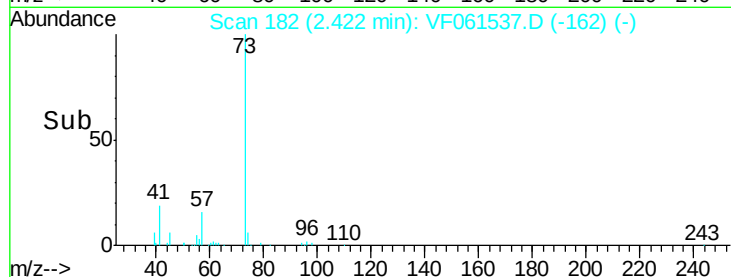
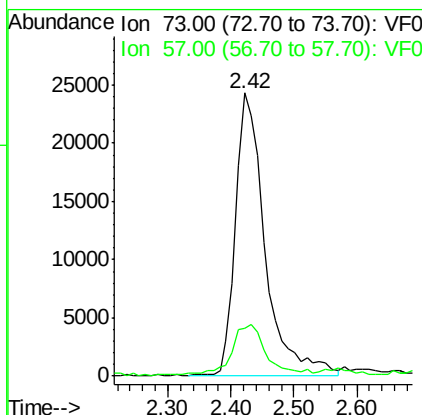
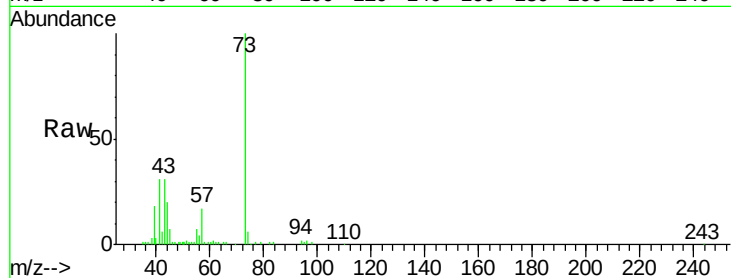




#19
Methyl tert-butyl Ether
Concen: 20.361 ug/l
RT: 2.42 min Scan# 182
Delta R.T. -0.01 min
Lab File: VF061537.D
Acq: 28 Jan 2019 13:13

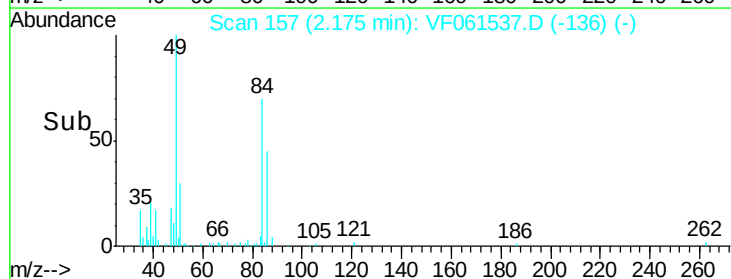
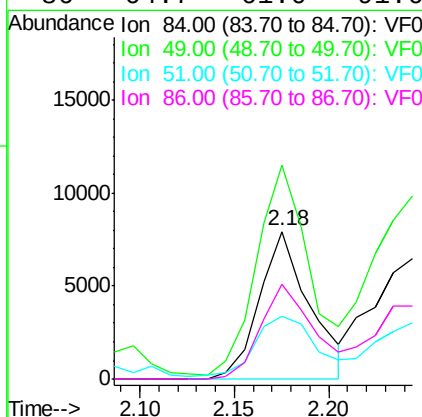
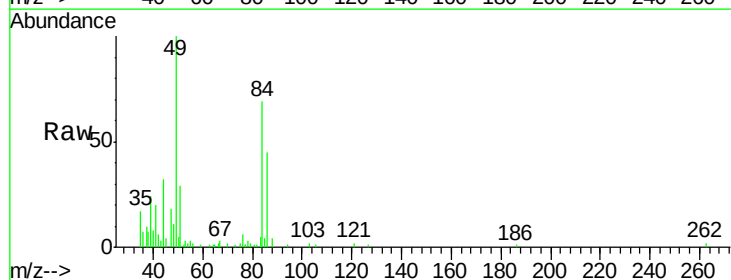
Instrument :
MSVOA_F
ClientSampleId :
VF0128SBS01

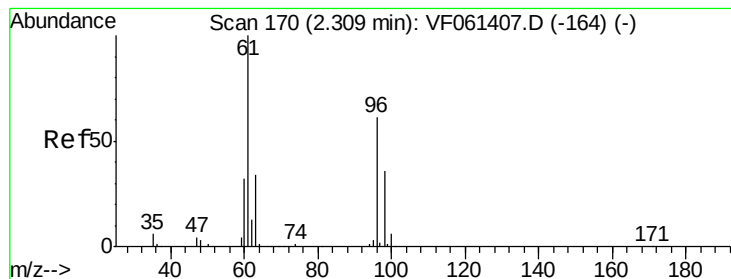
Tot Ion: 73 Resp: 79341
Ion Ratio Lower Upper
73 100
57 16.9 14.8 22.2



#20
Methylene Chloride
Concen: 7.479 ug/l
RT: 2.18 min Scan# 157
Delta R.T. 0.01 min
Lab File: VF061537.D
Acq: 28 Jan 2019 13:13

Tgt Ion: 84 Resp: 14745
Ion Ratio Lower Upper
84 100
49 144.8 120.0 180.0
51 42.2 38.6 58.0
86 64.7 61.0 91.6





#21

trans-1,2-Dichloroethene

Concen: 21.515 ug/l

RT: 2.30 min Scan# 170

Delta R.T. -0.01 min

Lab File: VF061537.D

Acq: 28 Jan 2019 13:13

Instrument :

MSVOA_F

ClientSampleId :

VF0128SBS01

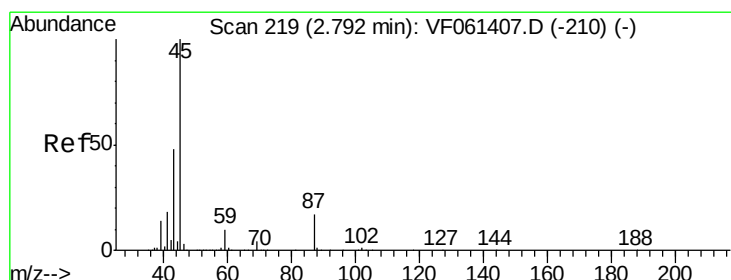
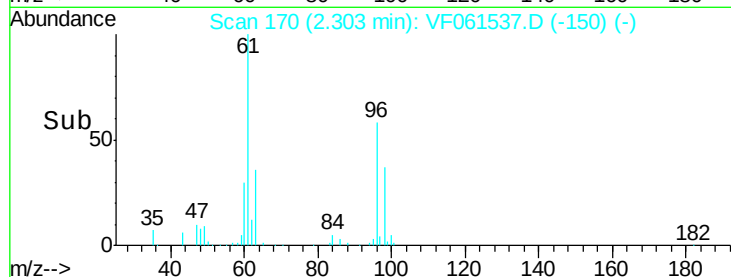
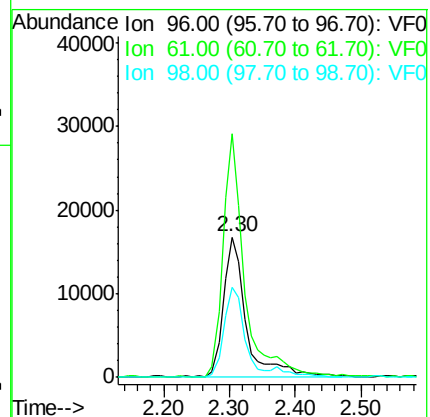
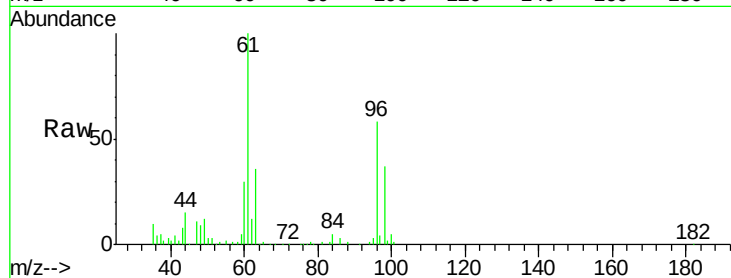
Tot Ion: 96 Resp: 41147

Ion Ratio Lower Upper

96 100

61 173.6 131.8 197.8

98 64.3 47.4 71.0



#22

Diisopropyl ether

Concen: 23.319 ug/l

RT: 2.80 min Scan# 220

Delta R.T. 0.00 min

Lab File: VF061537.D

Acq: 28 Jan 2019 13:13

Tgt Ion: 45 Resp: 144246

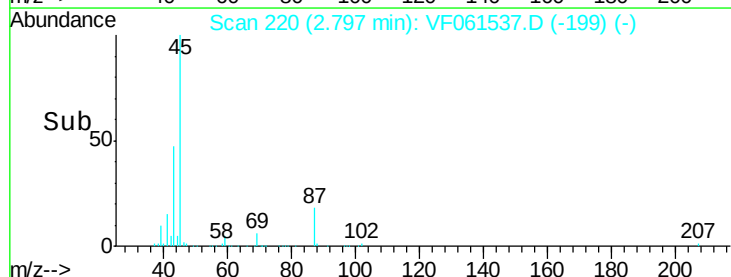
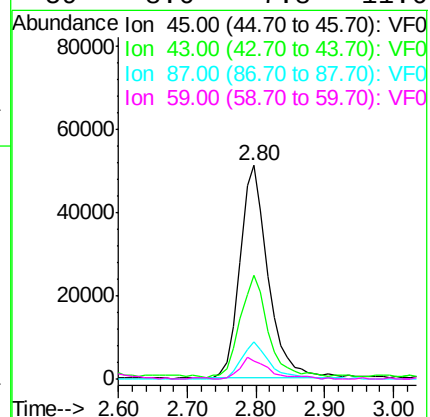
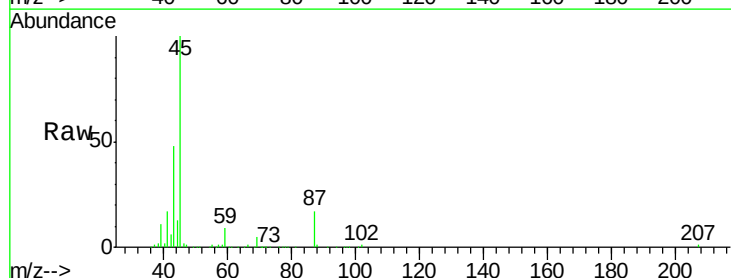
Ion Ratio Lower Upper

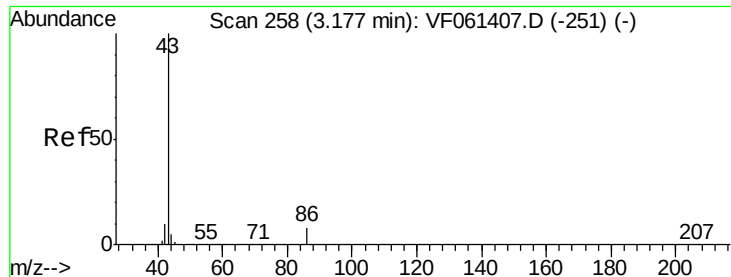
45 100

43 48.4 39.0 58.6

87 17.5 13.9 20.9

59 8.6 7.8 11.6





#23

Vinyl Acetate

Concen: 134.403 ug/l

RT: 3.18 min Scan# 259

Delta R.T. 0.01 min

Lab File: VF061537.D

Acq: 28 Jan 2019 13:13

Instrument :

MSVOA_F

ClientSampleId :

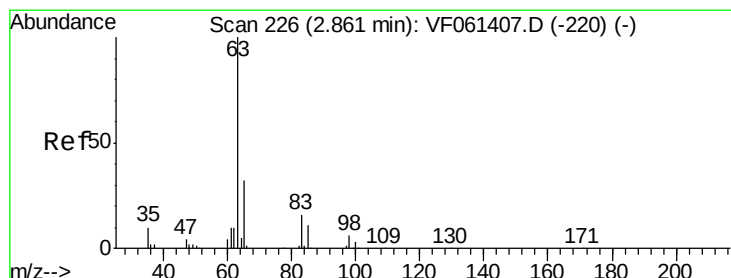
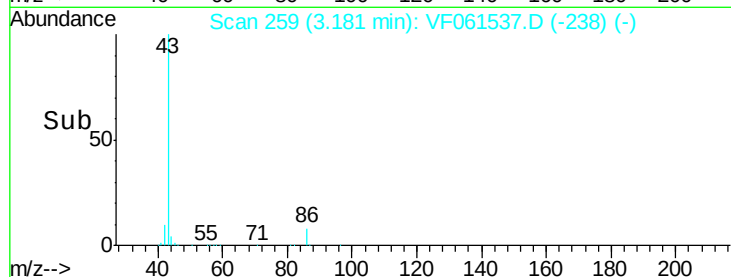
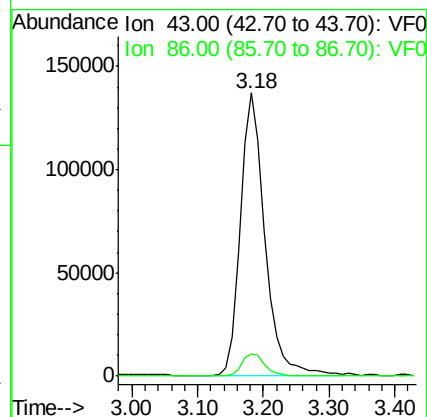
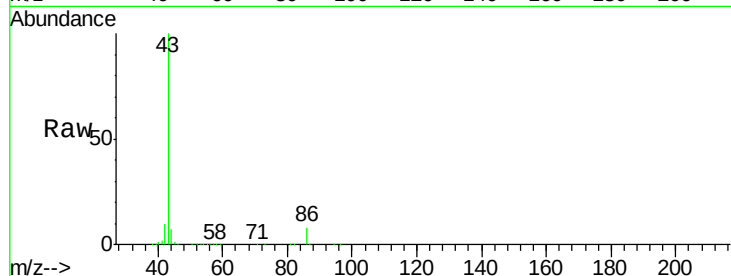
VF0128SBSD01

Tot Ion: 43 Resp: 361619

Ion Ratio Lower Upper

43 100

86 7.8 6.2 9.4



#24

1,1-Dichloroethane

Concen: 21.627 ug/l

RT: 2.87 min Scan# 227

Delta R.T. 0.00 min

Lab File: VF061537.D

Acq: 28 Jan 2019 13:13

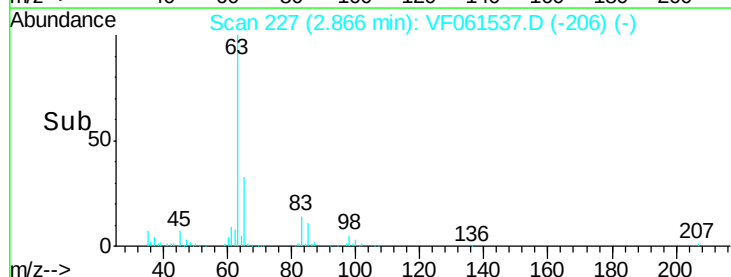
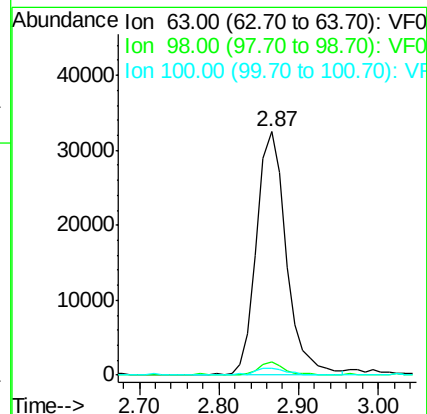
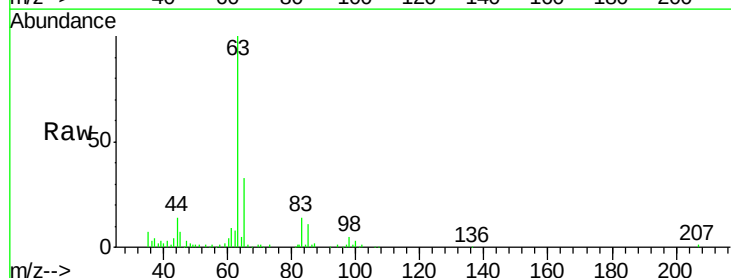
Tgt Ion: 63 Resp: 83965

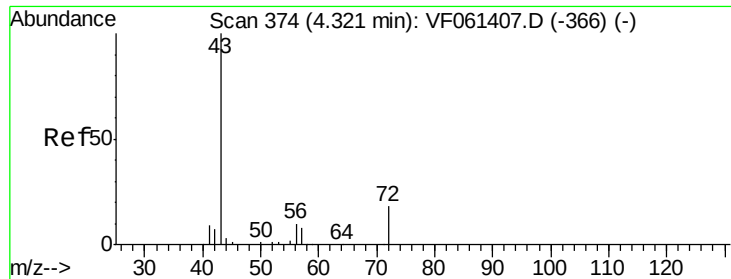
Ion Ratio Lower Upper

63 100

98 5.3 2.9 8.8

100 3.0 1.6 4.8





#25

2-Butanone

Concen: 126.590 ug/l

RT: 4.33 min Scan# 375

Delta R.T. 0.00 min

Lab File: VF061537.D

Acq: 28 Jan 2019 13:13

Instrument :

MSVOA_F

ClientSampleId :

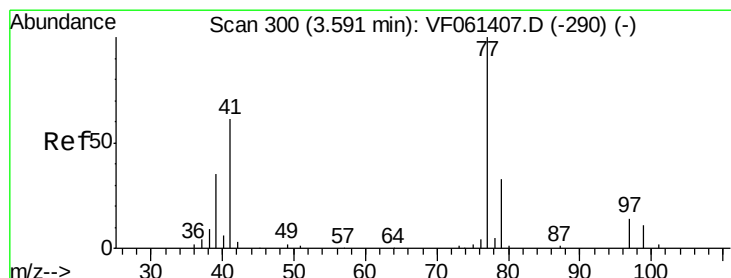
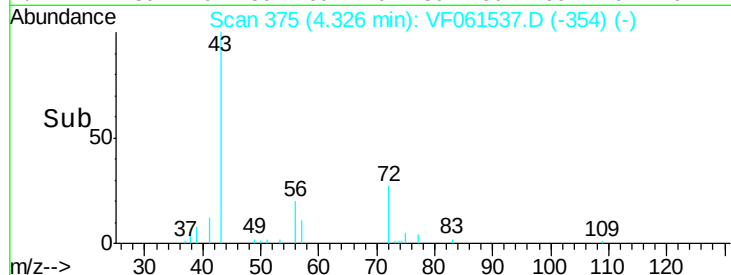
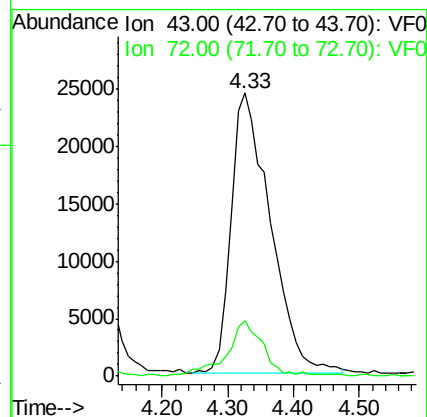
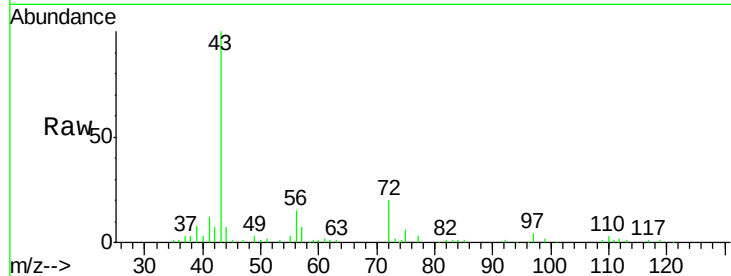
VF0128SBS01

Tot Ion: 43 Resp: 101904

Ion Ratio Lower Upper

43 100

72 19.8 15.8 23.6



#26

2,2-Dichloropropane

Concen: 19.018 ug/l

RT: 3.59 min Scan# 300

Delta R.T. -0.00 min

Lab File: VF061537.D

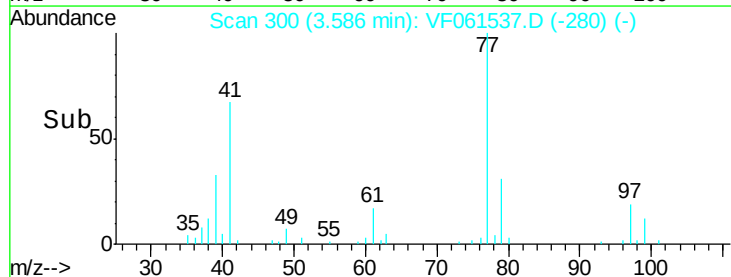
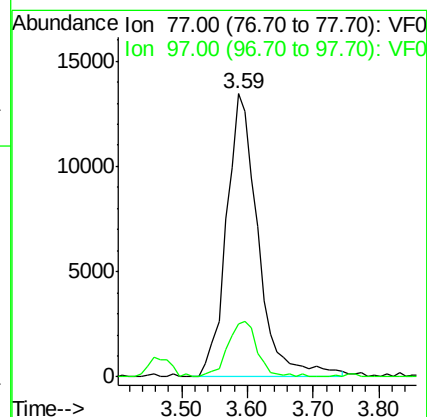
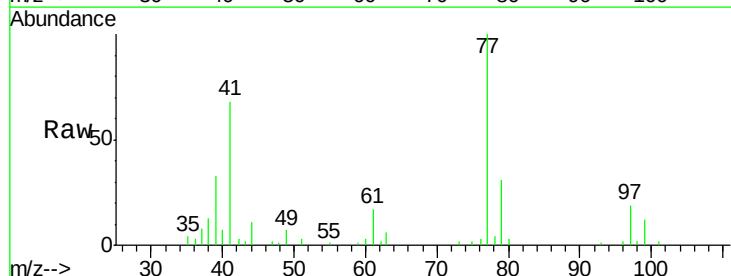
Acq: 28 Jan 2019 13:13

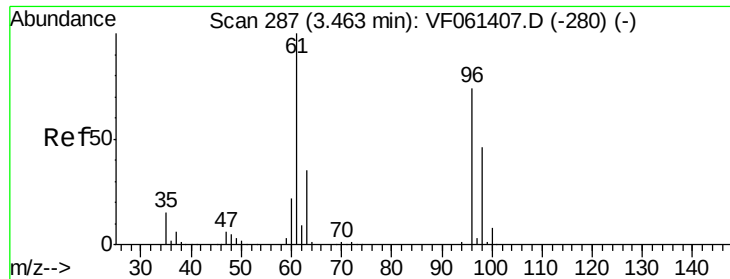
Tgt Ion: 77 Resp: 45363

Ion Ratio Lower Upper

77 100

97 18.6 8.5 25.5



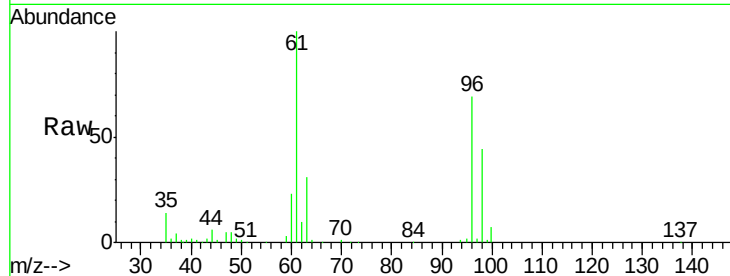


#27

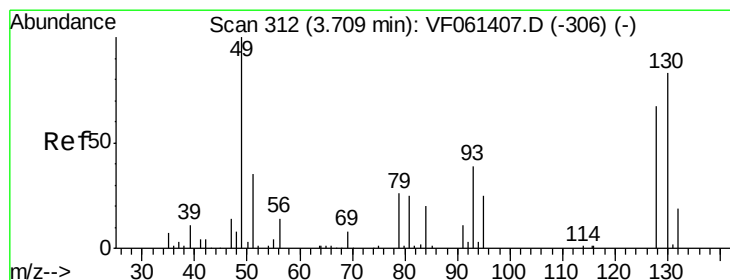
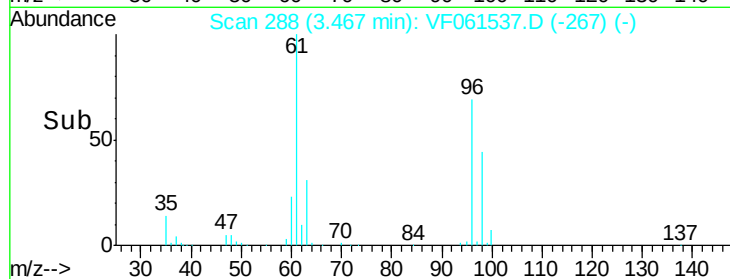
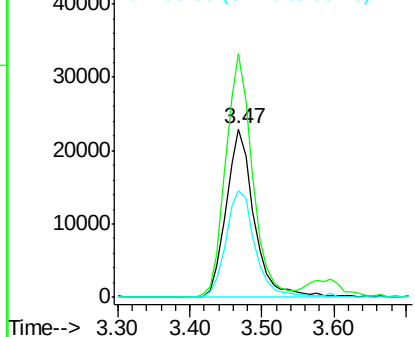
cis-1,2-Dichloroethene
 Concen: 21.886 ug/l
 RT: 3.47 min Scan# 288
 Delta R.T. 0.00 min
 Lab File: VF061537.D
 Acq: 28 Jan 2019 13:13

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0128SBS01

Tot Ion: 96 Resp: 61788
 Ion Ratio Lower Upper
 96 100
 61 144.7 0.0 270.2
 98 63.4 0.0 124.0



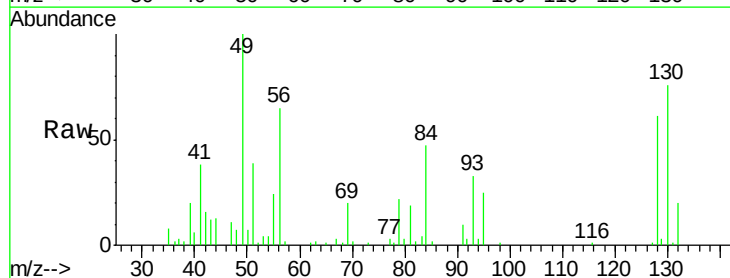
Abundance Ion 96.00 (95.70 to 96.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 98.00 (97.70 to 98.70): VF0



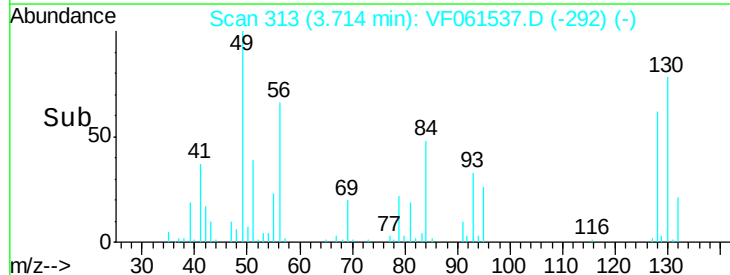
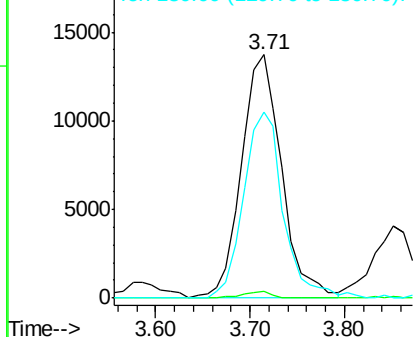
#28

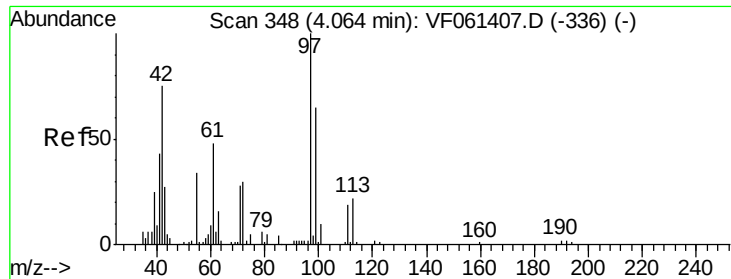
Bromochloromethane
 Concen: 23.298 ug/l
 RT: 3.71 min Scan# 313
 Delta R.T. 0.00 min
 Lab File: VF061537.D
 Acq: 28 Jan 2019 13:13

Tgt Ion: 49 Resp: 40659
 Ion Ratio Lower Upper
 49 100
 129 2.8 0.0 0.0#
 130 76.4 65.4 98.2



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

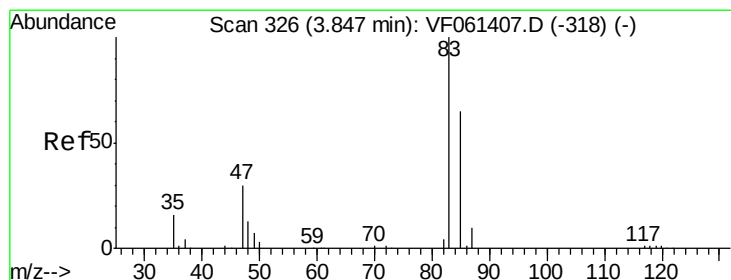
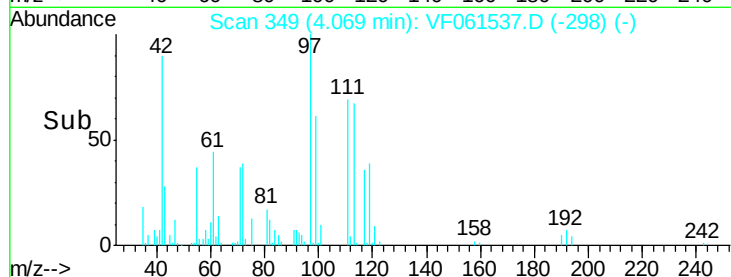
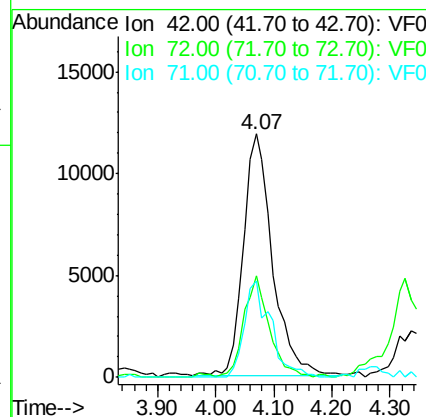
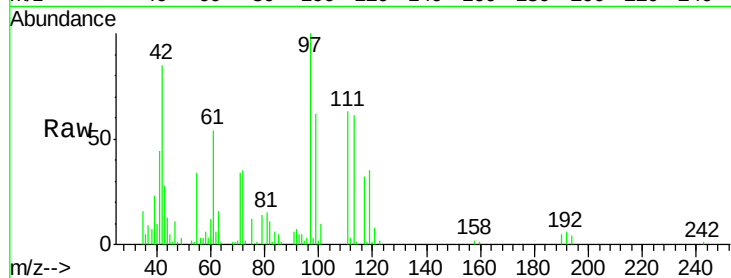




#29
Tetrahydrofuran
Concen: 119.068 ug/l
RT: 4.07 min Scan# 349
Delta R.T. 0.00 min
Lab File: VF061537.D
Acq: 28 Jan 2019 13:13

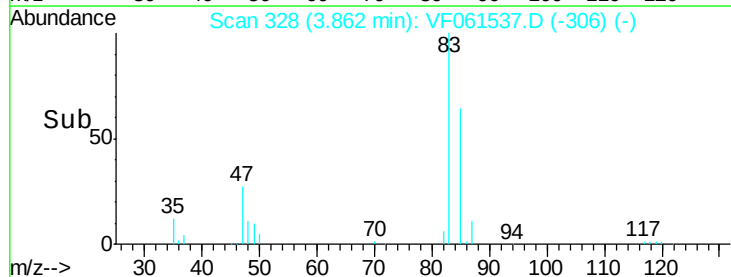
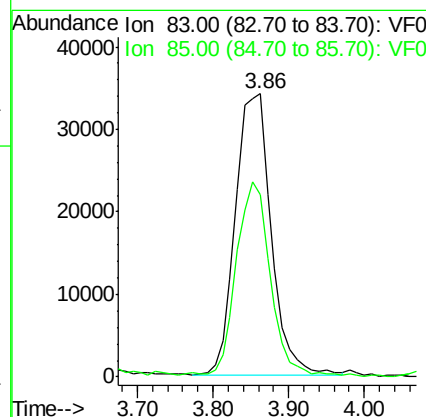
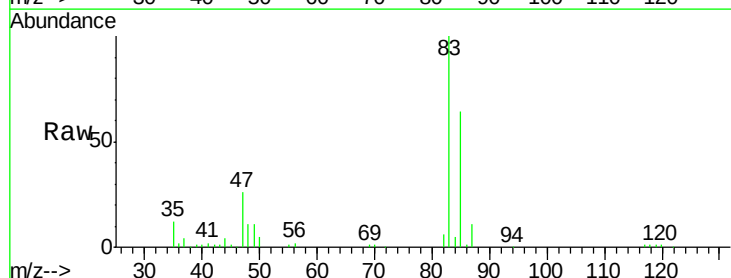
Instrument :
MSVOA_F
ClientSampleId :
VF0128SBS01

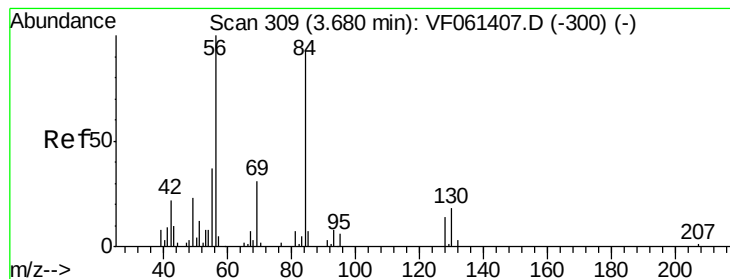
Tot Ion: 42 Resp: 41272
Ion Ratio Lower Upper
42 100
72 36.9 28.9 43.3
71 36.6 29.6 44.4



#30
Chloroform
Concen: 21.275 ug/l
RT: 3.86 min Scan# 328
Delta R.T. 0.01 min
Lab File: VF061537.D
Acq: 28 Jan 2019 13:13

Tgt Ion: 83 Resp: 111474
Ion Ratio Lower Upper
83 100
85 64.2 52.7 79.1





#31

Cyclohexane

Concen: 15.275 ug/l

RT: 3.67 min Scan# 309

Delta R.T. -0.01 min

Lab File: VF061537.D

Acq: 28 Jan 2019 13:13

Instrument :

MSVOA_F

ClientSampleId :

VF0128SBS01

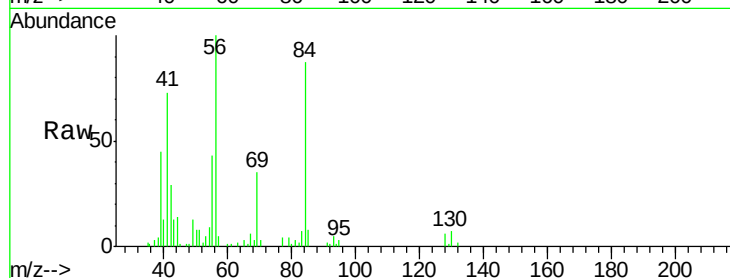
Tot Ion: 56 Resp: 59238

Ion Ratio Lower Upper

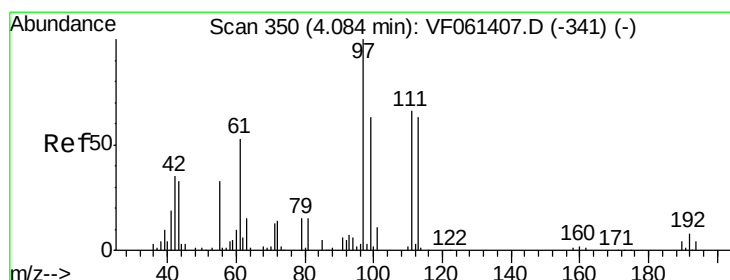
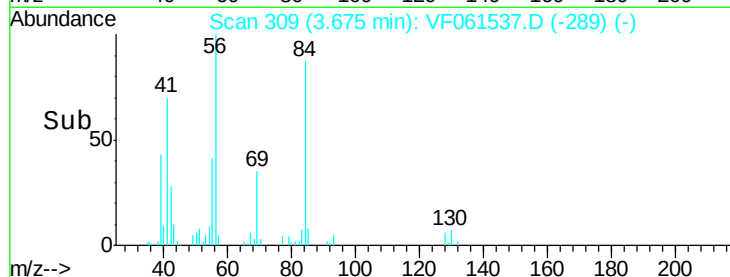
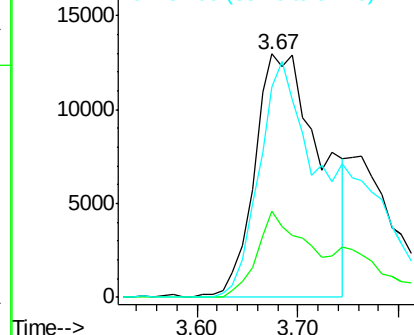
56 100

69 35.4 24.6 36.8

84 86.6 74.2 111.2



Abundance Ion 56.00 (55.70 to 56.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 84.00 (83.70 to 84.70): VF0



#32

1,1,1-Trichloroethane

Concen: 18.572 ug/l

RT: 4.09 min Scan# 351

Delta R.T. 0.00 min

Lab File: VF061537.D

Acq: 28 Jan 2019 13:13

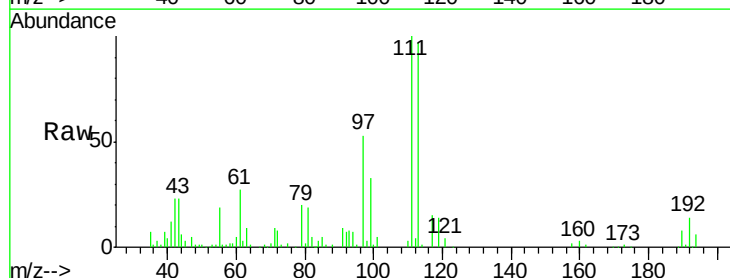
Tgt Ion: 97 Resp: 71351

Ion Ratio Lower Upper

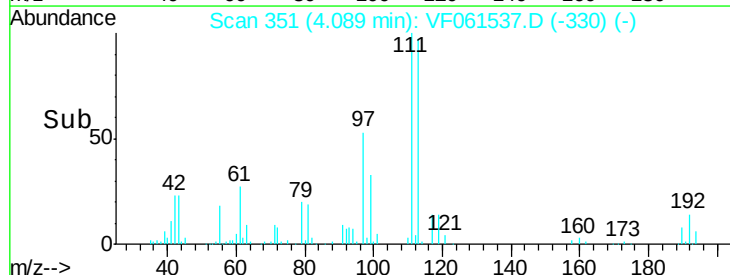
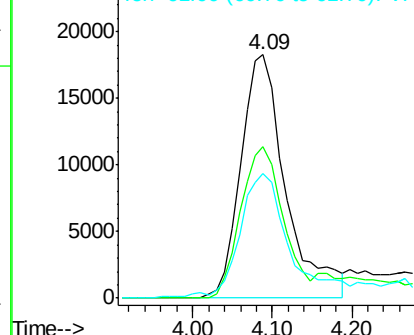
97 100

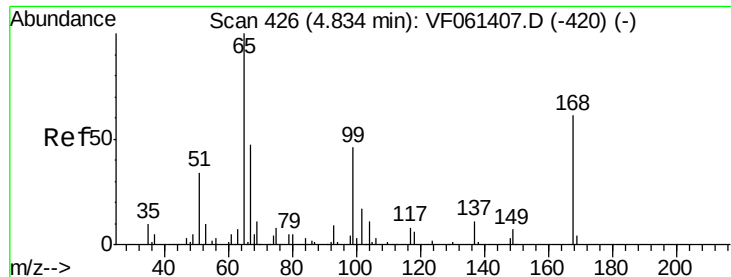
99 62.3 50.1 75.1

61 51.1 43.1 64.7



Abundance Ion 97.00 (96.70 to 97.70): VF0
Ion 99.00 (98.70 to 99.70): VF0
Ion 61.00 (60.70 to 61.70): VF0

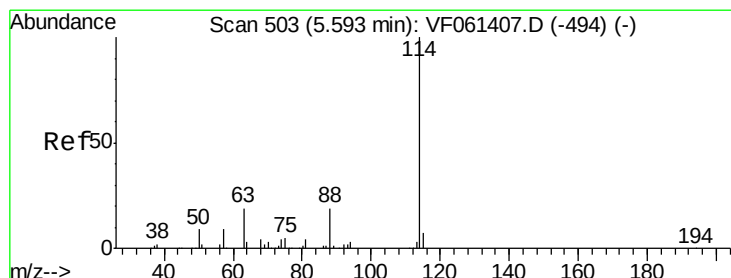
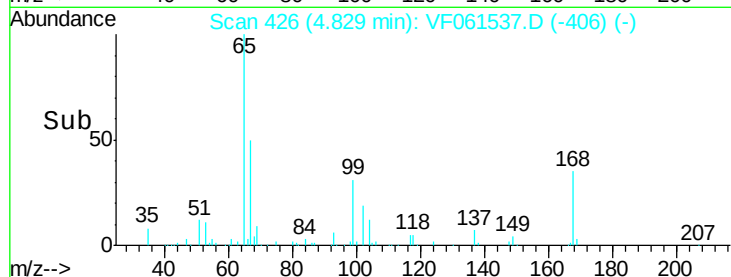
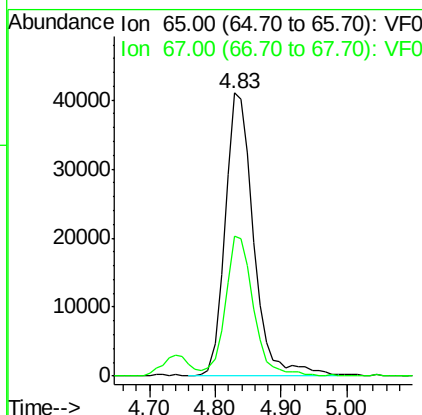
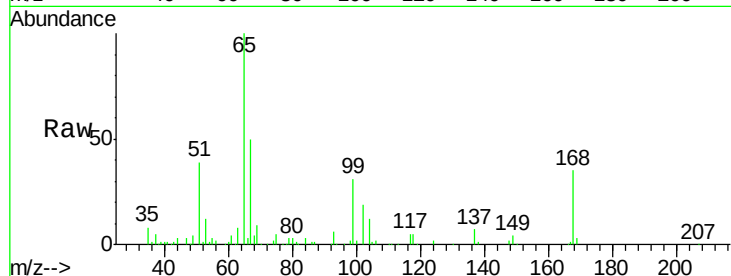




#33
 1,2-Dichloroethane-d4
 Concen: 51.641 ug/l
 RT: 4.83 min Scan# 426
 Delta R.T. -0.01 min
 Lab File: VF061537.D
 Acq: 28 Jan 2019 13:13

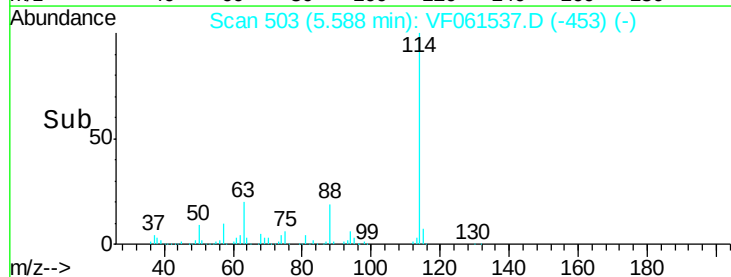
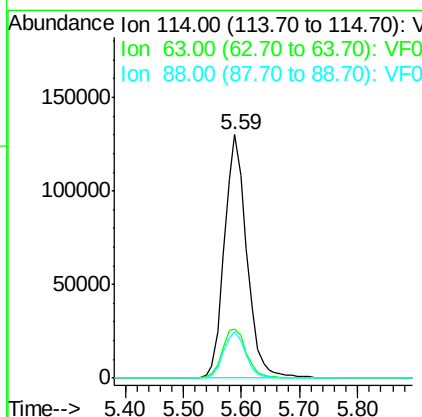
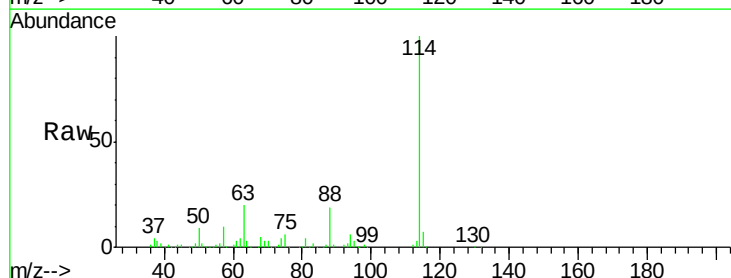
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0128SBSD01

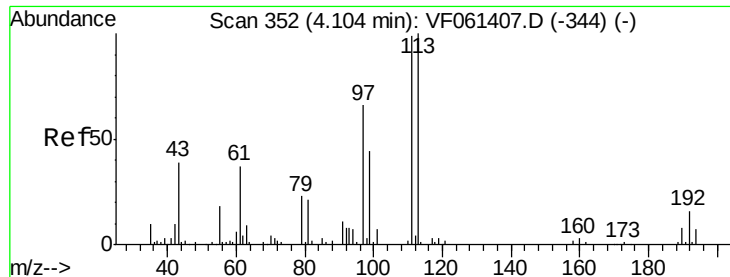
Tot Ion: 65 Resp: 124610
 Ion Ratio Lower Upper
 65 100
 67 49.5 0.0 99.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.59 min Scan# 503
 Delta R.T. -0.01 min
 Lab File: VF061537.D
 Acq: 28 Jan 2019 13:13

Tgt Ion: 114 Resp: 348748
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 39.0
 88 19.0 0.0 37.4

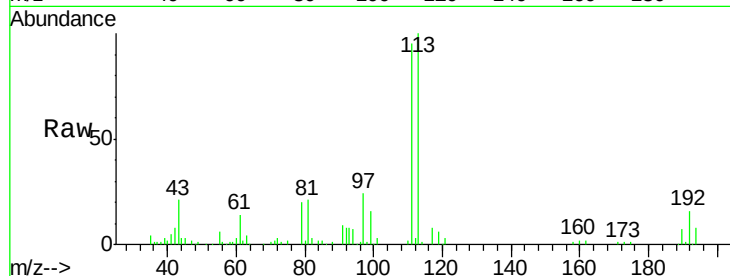




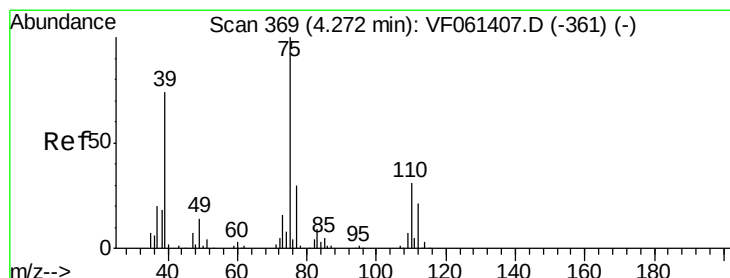
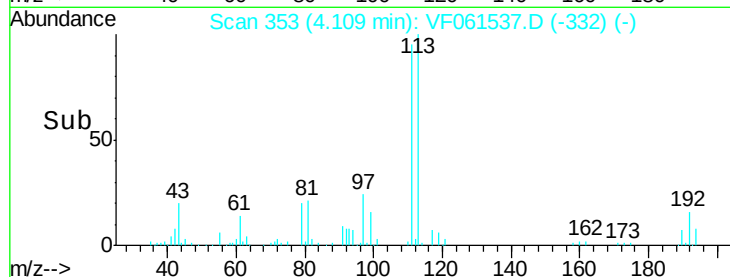
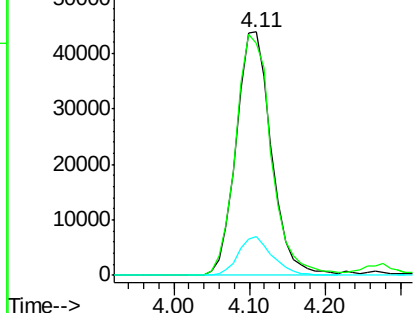
#35
 Dibromofluoromethane
 Concen: 51.433 ug/l
 RT: 4.11 min Scan# 353
 Delta R.T. 0.00 min
 Lab File: VF061537.D
 Acq: 28 Jan 2019 13:13

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0128SBSD01

Tot Ion:113 Resp: 141540
 Ion Ratio Lower Upper
 113 100
 111 95.1 79.4 119.0
 192 15.7 12.4 18.6

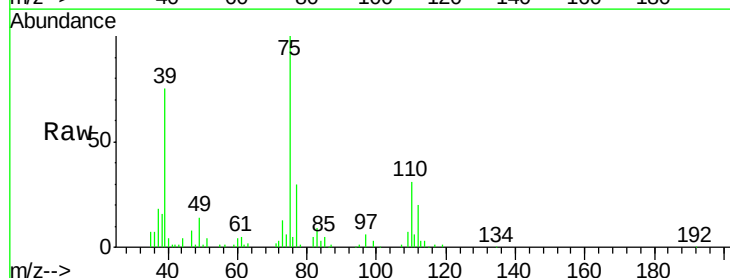


Abundance Ion 113.00 (112.70 to 113.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 192.00 (191.70 to 192.70): V

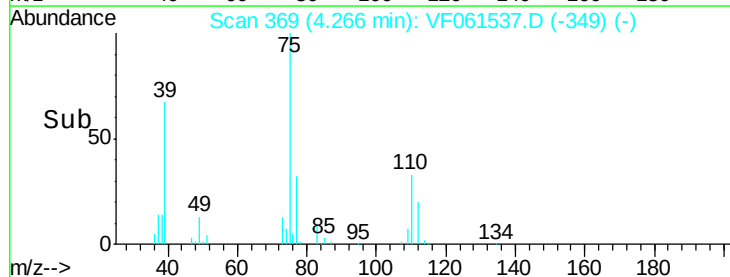
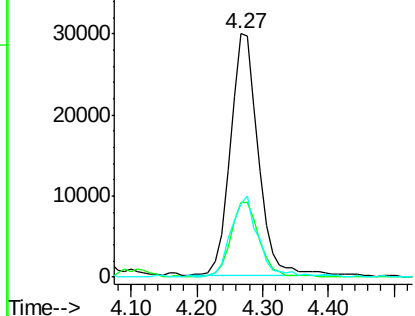


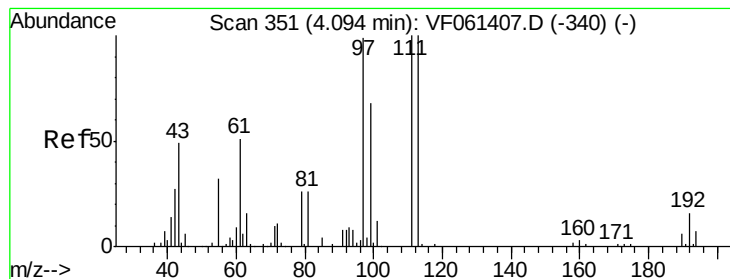
#36
 1,1-Dichloropropene
 Concen: 21.656 ug/l
 RT: 4.27 min Scan# 369
 Delta R.T. -0.01 min
 Lab File: VF061537.D
 Acq: 28 Jan 2019 13:13

Tgt Ion: 75 Resp: 87568
 Ion Ratio Lower Upper
 75 100
 110 30.8 15.8 47.3
 77 30.3 24.0 36.0



Abundance Ion 75.00 (74.70 to 75.70): VF0
 Ion 110.00 (109.70 to 110.70): V
 Ion 77.00 (76.70 to 77.70): VF0





#37

Ethyl Acetate

Concen: 23.149 ug/l

RT: 4.10 min Scan# 352

Delta R.T. 0.00 min

Lab File: VF061537.D

Acq: 28 Jan 2019 13:13

Instrument :

MSVOA_F

ClientSampleId :

VF0128SBS01

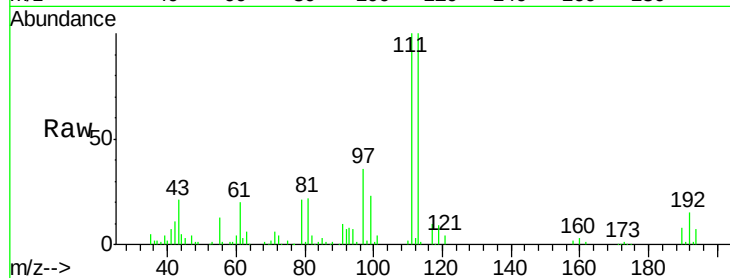
Tot Ion: 43 Resp: 37416

Ion Ratio Lower Upper

43 100

61 92.9 81.7 122.5

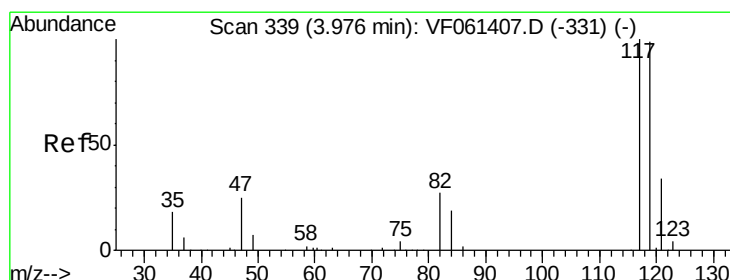
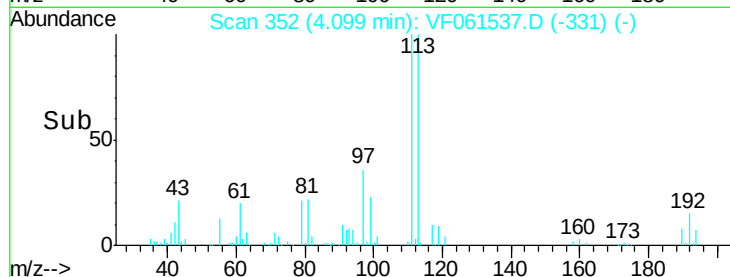
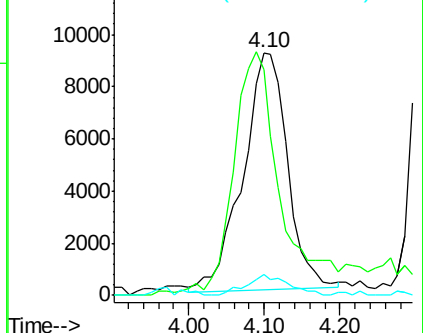
70 8.6 6.2 9.2



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: 18.171 ug/l

RT: 3.98 min Scan# 340

Delta R.T. 0.00 min

Lab File: VF061537.D

Acq: 28 Jan 2019 13:13

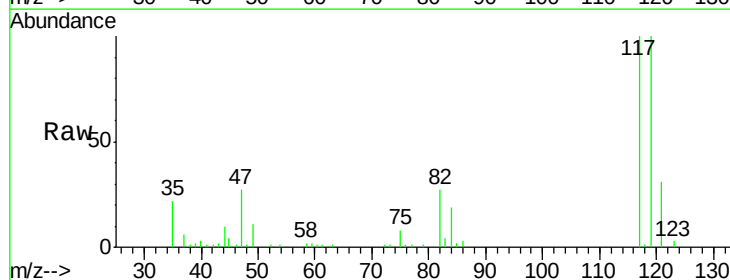
Tgt Ion: 117 Resp: 64234

Ion Ratio Lower Upper

117 100

119 99.7 79.0 118.6

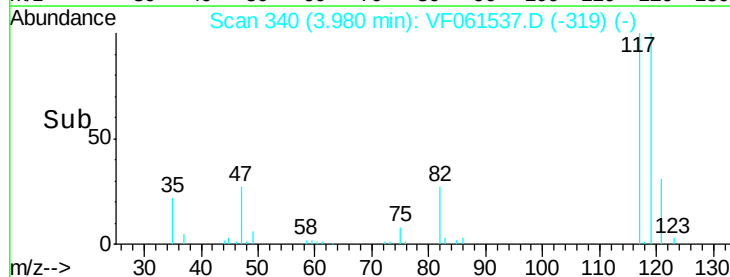
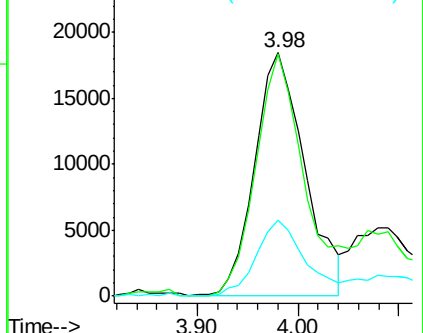
121 31.4 27.0 40.6

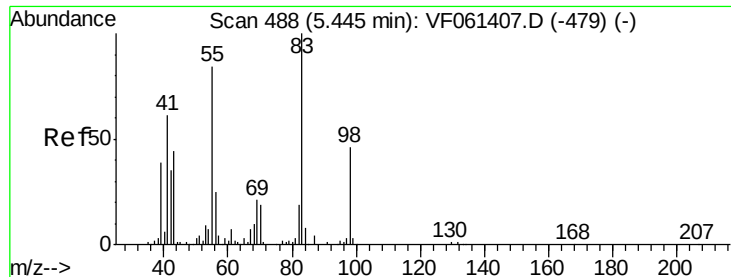


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V

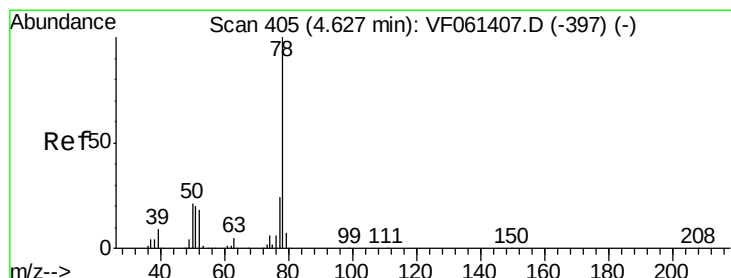
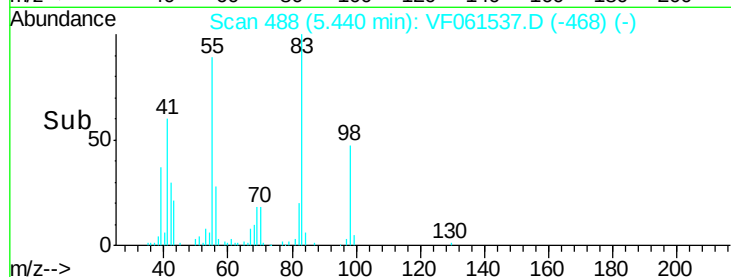
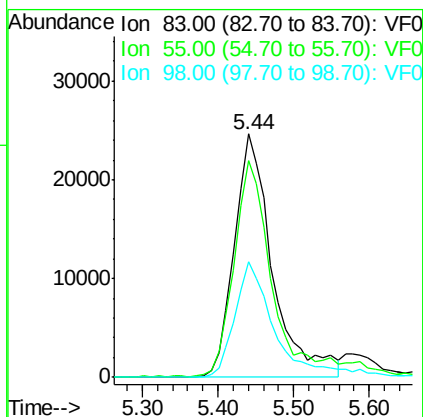
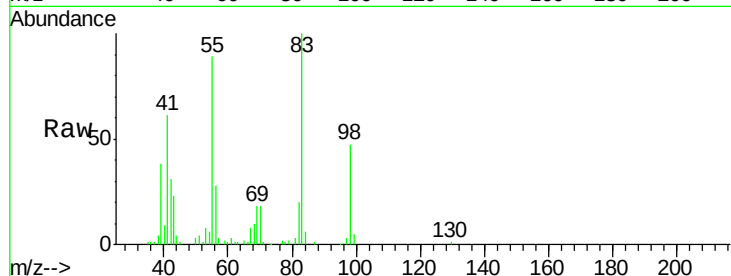




#39
Methylvlcyclohexane
Concen: 19.771 ug/l
RT: 5.44 min Scan# 488
Delta R.T. -0.01 min
Lab File: VF061537.D
Acq: 28 Jan 2019 13:13

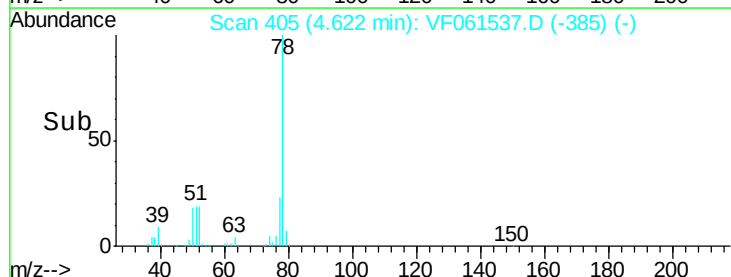
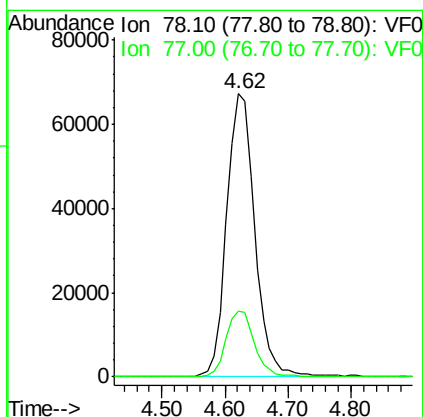
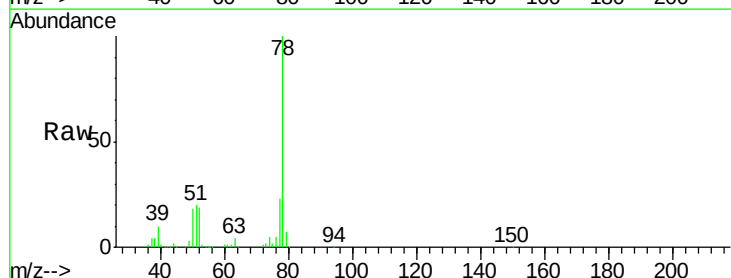
Instrument :
MSVOA_F
ClientSampleId :
VF0128SBSD01

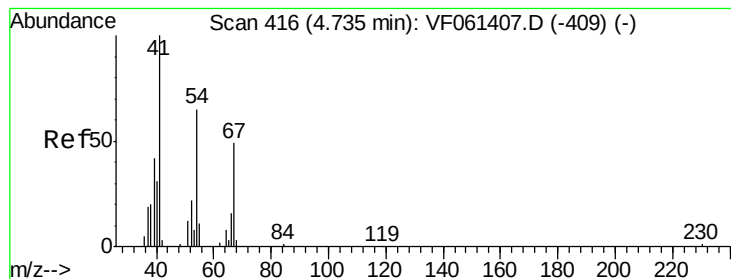
Tot Ion: 83 Resp: 86636
Ion Ratio Lower Upper
83 100
55 89.2 67.4 101.2
98 47.5 36.7 55.1



#40
Benzene
Concen: 23.136 ug/l
RT: 4.62 min Scan# 405
Delta R.T. -0.01 min
Lab File: VF061537.D
Acq: 28 Jan 2019 13:13

Tgt Ion: 78 Resp: 208167
Ion Ratio Lower Upper
78 100
77 23.3 19.0 28.6





#41

Methacrylonitrile

Concen: 23.902 ug/l

RT: 4.74 min Scan# 417

Delta R.T. 0.00 min

Lab File: VF061537.D

Acq: 28 Jan 2019 13:13

Instrument :

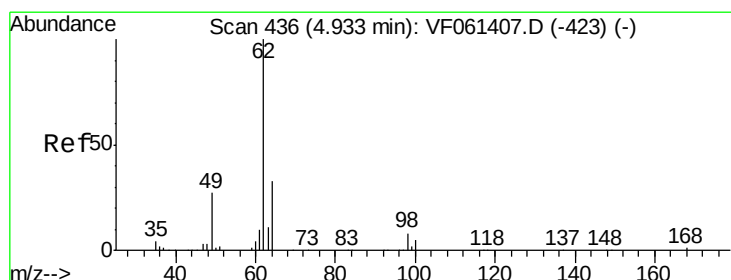
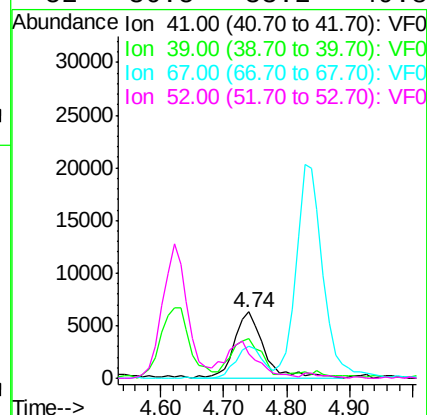
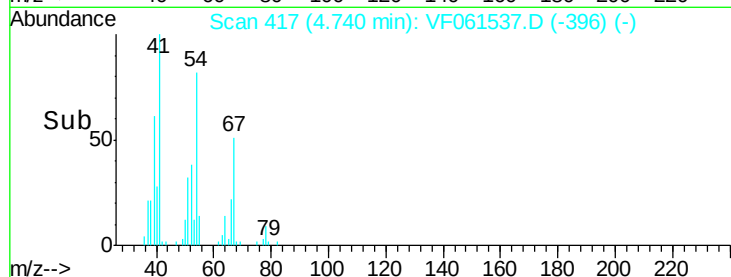
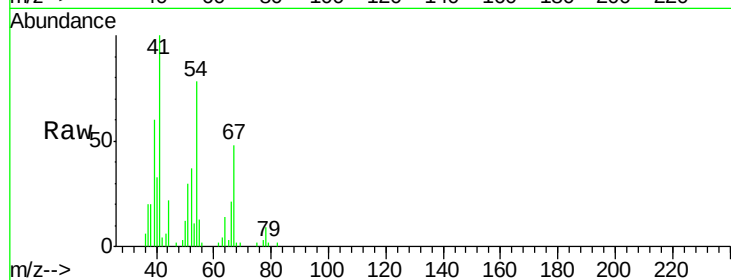
MSVOA_F

ClientSampleId :

VF0128SBS01

Tot Ion: 41 Resp: 20557

Ion	Ratio	Lower	Upper
41	100		
39	59.8	43.1	64.7
67	48.1	38.8	58.2
52	36.5	33.2	49.8



#42

1,2-Dichloroethane

Concen: 19.740 ug/l

RT: 4.93 min Scan# 436

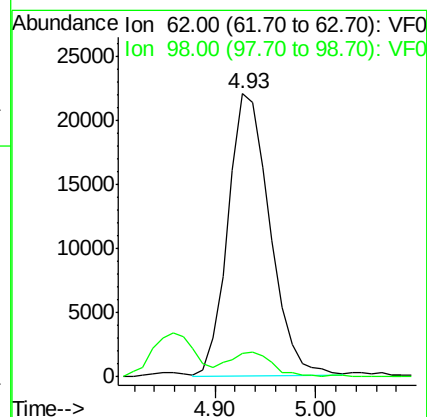
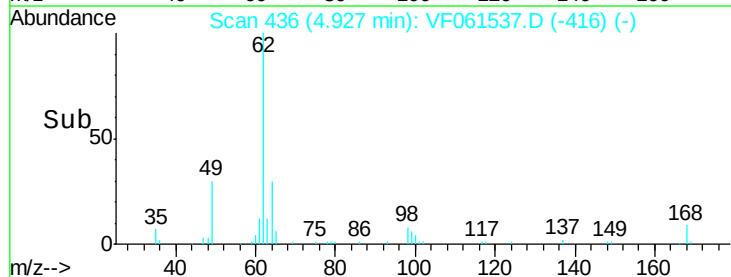
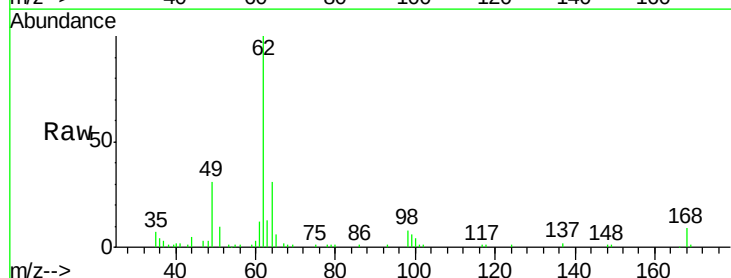
Delta R.T. -0.01 min

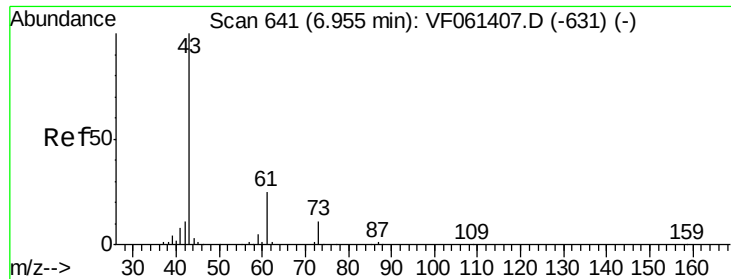
Lab File: VF061537.D

Acq: 28 Jan 2019 13:13

Tgt Ion: 62 Resp: 63290

Ion	Ratio	Lower	Upper
62	100		
98	8.3	0.0	17.0





#43

Isopropyl Acetate

Concen: 22.608 ug/l

RT: 6.95 min Scan# 641

Delta R.T. -0.01 min

Lab File: VF061537.D

Acq: 28 Jan 2019 13:13

Instrument :

MSVOA_F

ClientSampleId :

VF0128SBS01

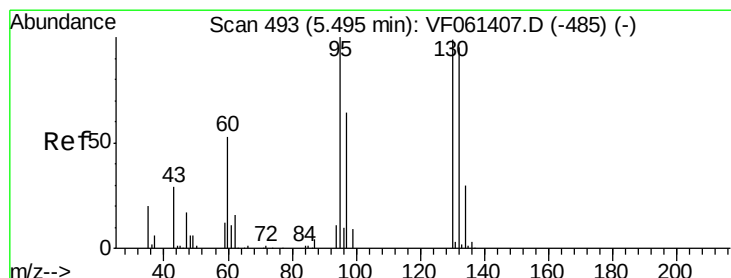
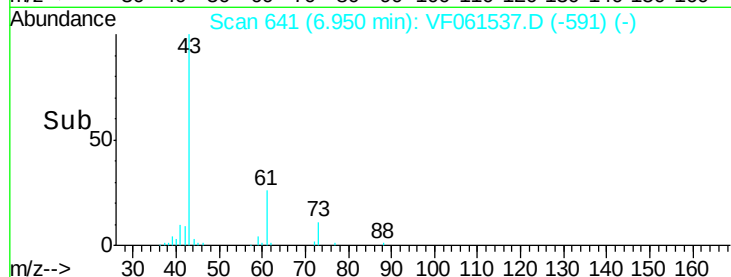
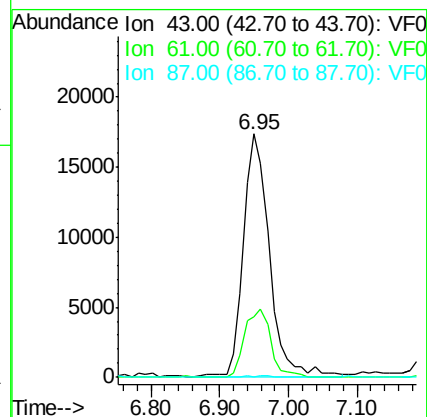
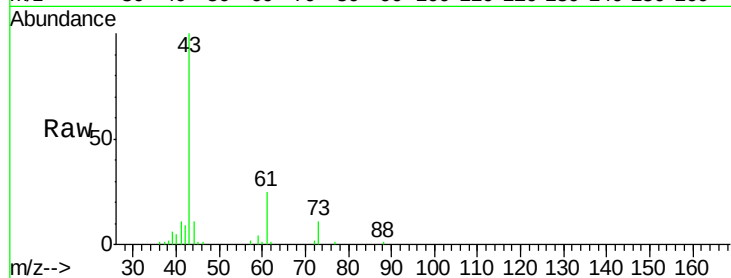
Tot Ion: 43 Resp: 45864

Ion Ratio Lower Upper

43 100

61 25.0 20.3 30.5

87 0.0 0.5 0.7#



#44

Trichloroethene

Concen: 21.945 ug/l

RT: 5.49 min Scan# 493

Delta R.T. -0.01 min

Lab File: VF061537.D

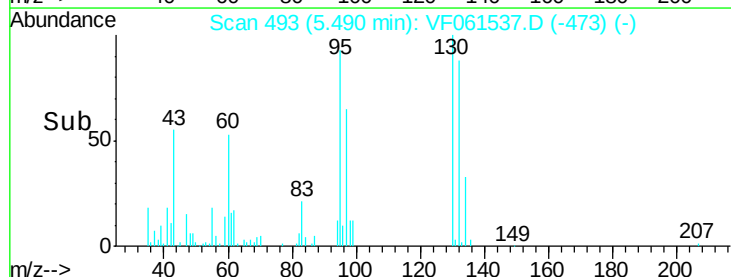
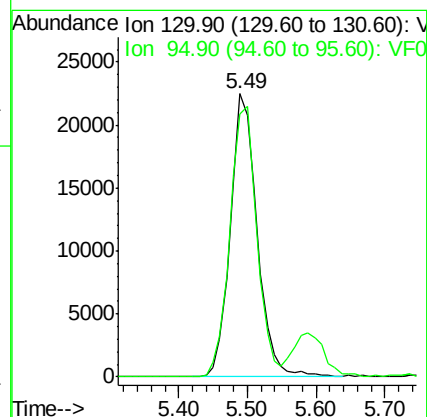
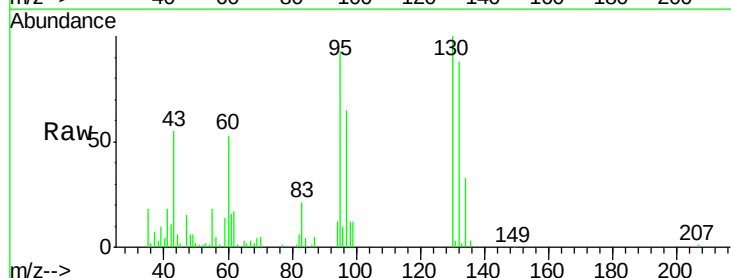
Acq: 28 Jan 2019 13:13

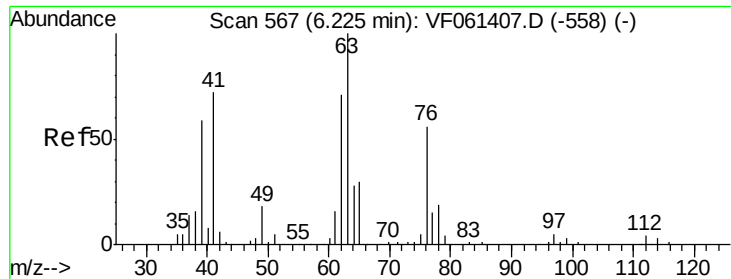
Tgt Ion:130 Resp: 60571

Ion Ratio Lower Upper

130 100

95 92.9 0.0 202.8

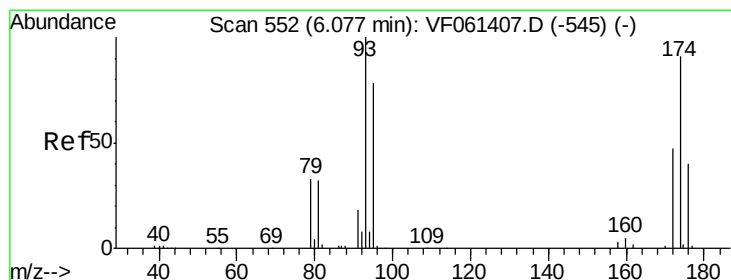
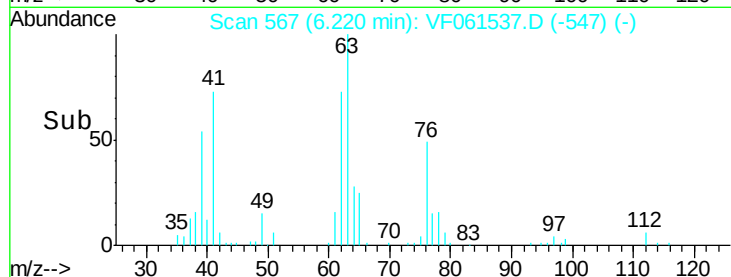
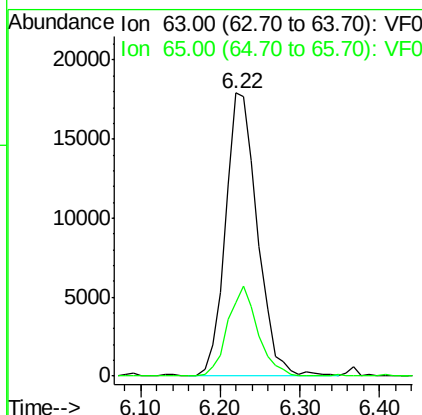
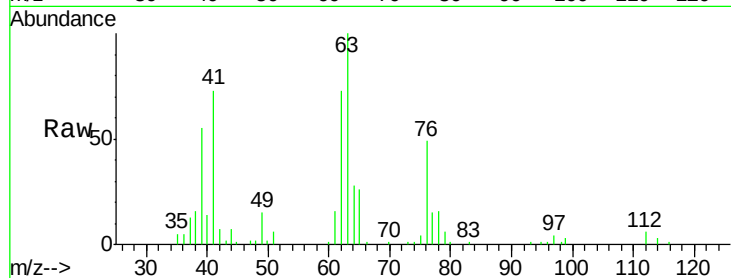




#45
 1,2-Dichloropropane
 Concen: 21.270 ug/l
 RT: 6.22 min Scan# 567
 Delta R.T. -0.01 min
 Lab File: VF061537.D
 Acq: 28 Jan 2019 13:13

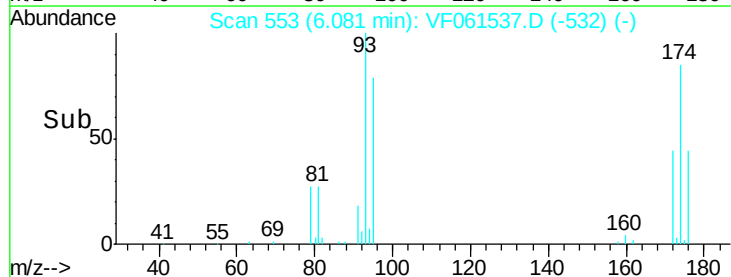
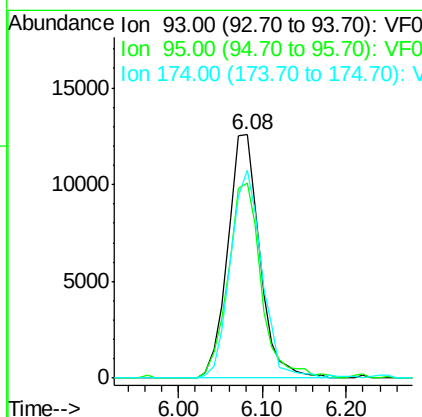
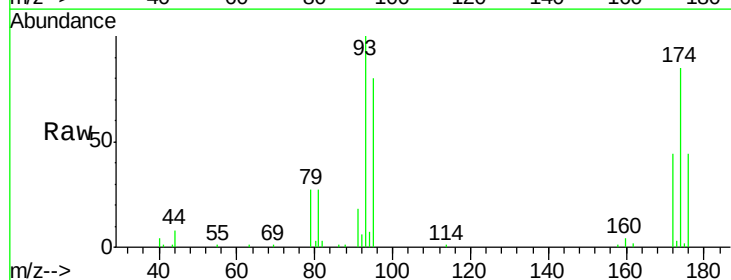
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0128SBS01

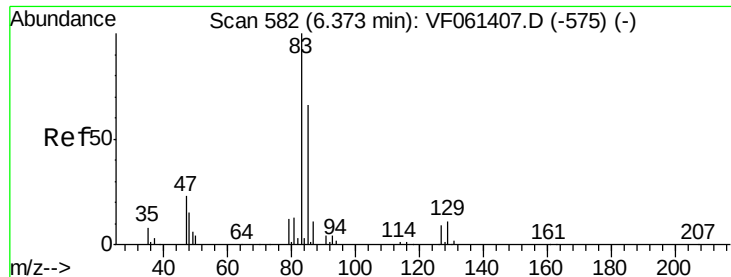
Tot Ion: 63 Resp: 50228
 Ion Ratio Lower Upper
 63 100
 65 26.1 24.4 36.6



#46
 Dibromomethane
 Concen: 21.253 ug/l
 RT: 6.08 min Scan# 553
 Delta R.T. 0.00 min
 Lab File: VF061537.D
 Acq: 28 Jan 2019 13:13

Tgt Ion: 93 Resp: 33372
 Ion Ratio Lower Upper
 93 100
 95 80.3 62.1 93.1
 174 85.1 74.6 111.8





#47

Bromodichloromethane

Concen: 21.240 ug/l

RT: 6.38 min Scan# 583

Delta R.T. 0.00 min

Lab File: VF061537.D

Acq: 28 Jan 2019 13:13

Instrument :

MSVOA_F

ClientSampleId :

VF0128SBS01

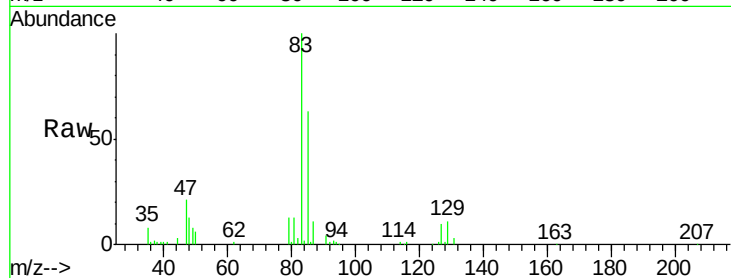
Tot Ion: 83 Resp: 82517

Ion Ratio Lower Upper

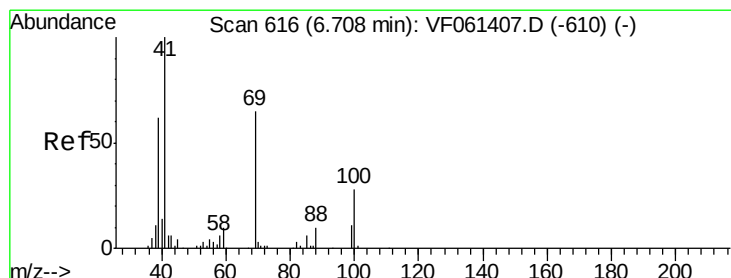
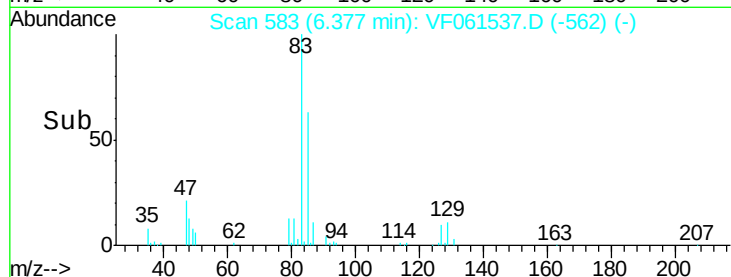
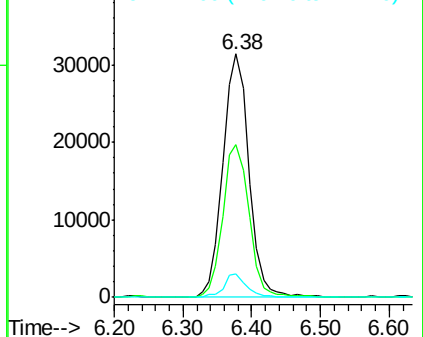
83 100

85 62.7 53.0 79.4

127 9.5 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: 22.208 ug/l

RT: 6.70 min Scan# 616

Delta R.T. -0.01 min

Lab File: VF061537.D

Acq: 28 Jan 2019 13:13

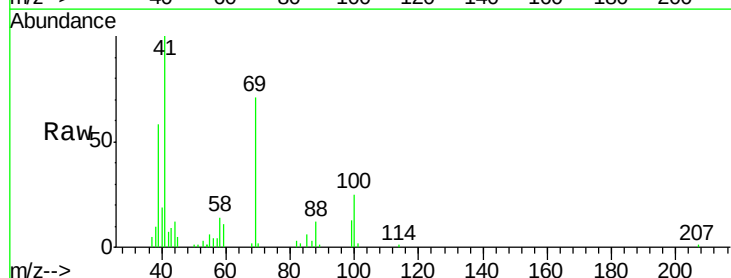
Tgt Ion: 41 Resp: 30252

Ion Ratio Lower Upper

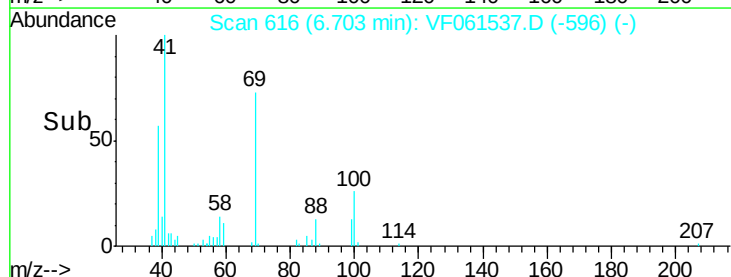
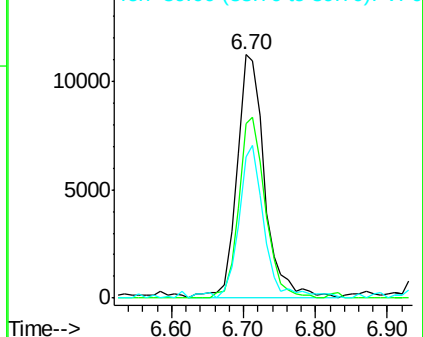
41 100

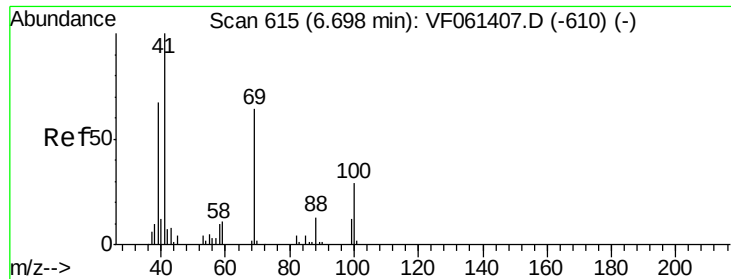
69 71.5 51.7 77.5

39 57.8 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

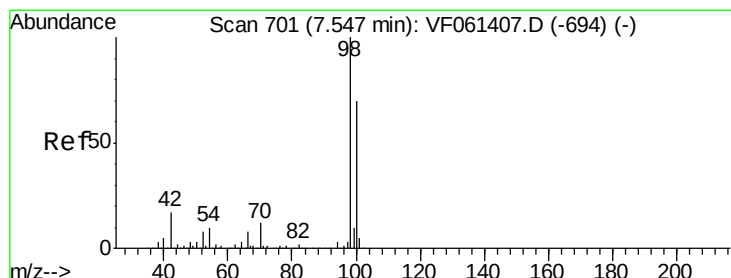
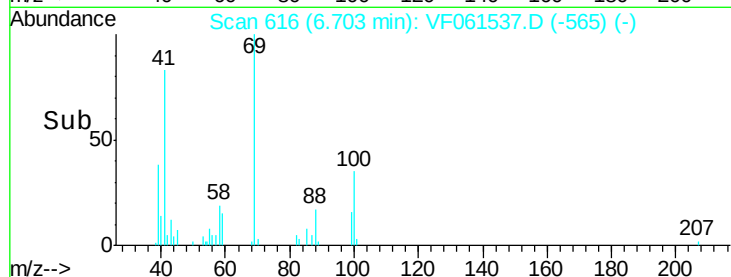
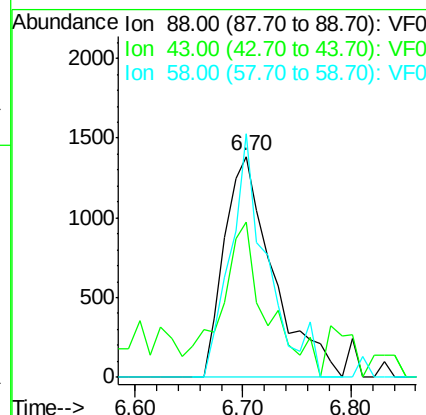
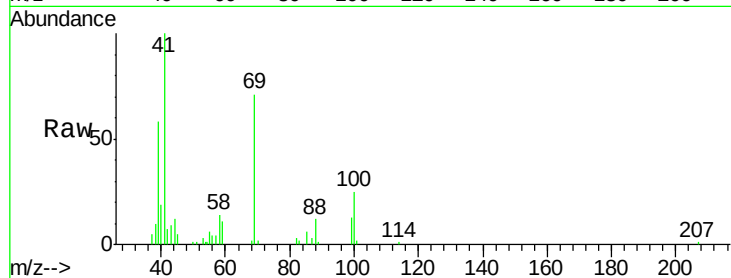




#49
1,4-Dioxane
Concen: 418.131 ug/l
RT: 6.70 min Scan# 616
Delta R.T. 0.00 min
Lab File: VF061537.D
Acq: 28 Jan 2019 13:13

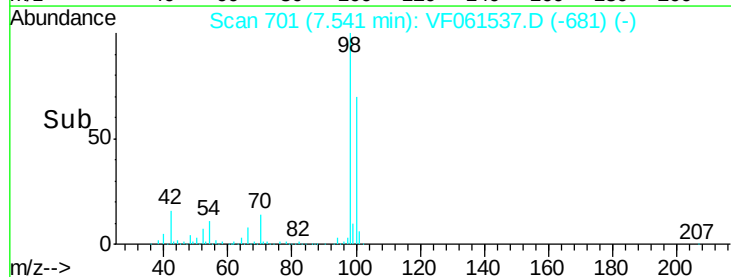
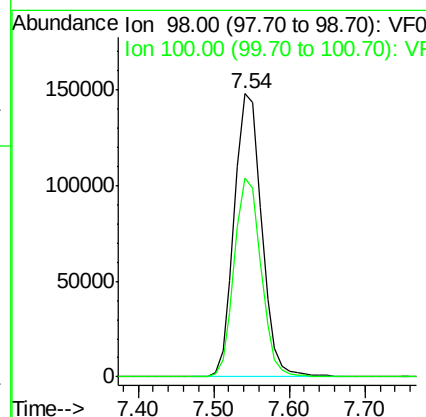
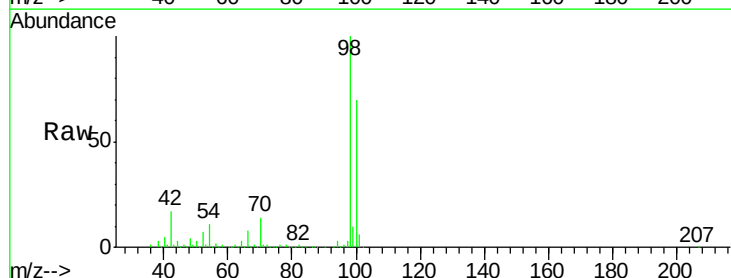
Instrument :
MSVOA_F
ClientSampleId :
VF0128SBS01

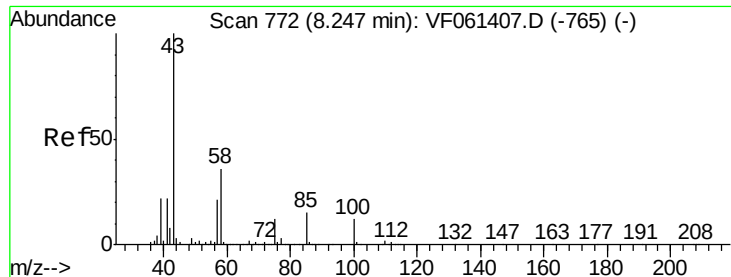
Tot Ion: 88 Resp: 4360
Ion Ratio Lower Upper
88 100
43 70.3 55.5 83.3
58 110.3 59.9 89.9#



#50
Toluene-d8
Concen: 49.296 ug/l
RT: 7.54 min Scan# 701
Delta R.T. -0.01 min
Lab File: VF061537.D
Acq: 28 Jan 2019 13:13

Tgt Ion: 98 Resp: 371683
Ion Ratio Lower Upper
98 100
100 70.4 55.6 83.4





#51

4-Methyl-2-Pentanone

Concen: 111.520 ug/l

RT: 8.25 min Scan# 773

Delta R.T. 0.00 min

Lab File: VF061537.D

Acq: 28 Jan 2019 13:13

Instrument :

MSVOA_F

ClientSampleId :

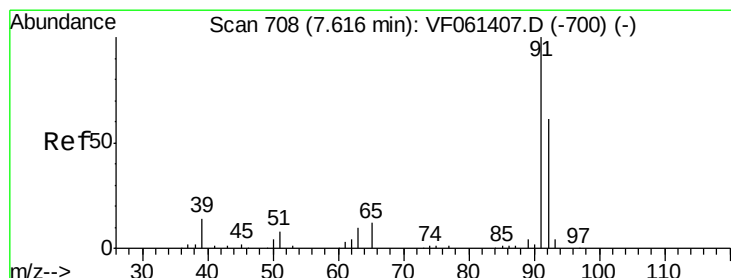
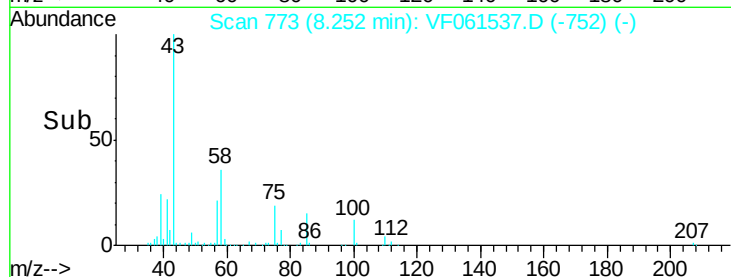
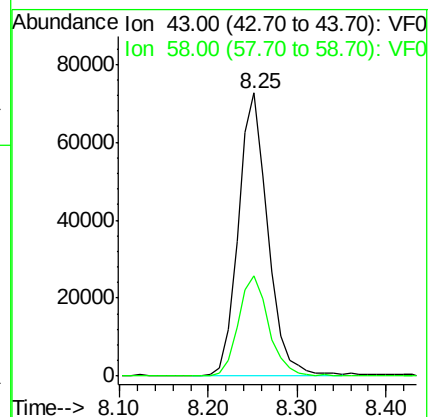
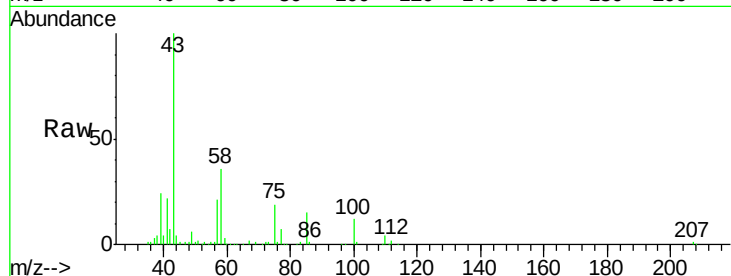
VF0128SBS01

Tot Ion: 43 Resp: 166316

Ion Ratio Lower Upper

43 100

58 35.7 28.8 43.2



#52

Toluene

Concen: 20.568 ug/l

RT: 7.61 min Scan# 708

Delta R.T. -0.01 min

Lab File: VF061537.D

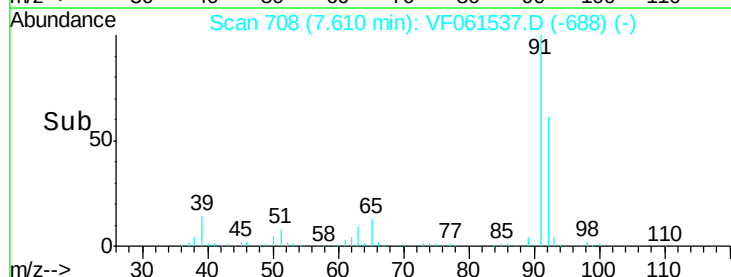
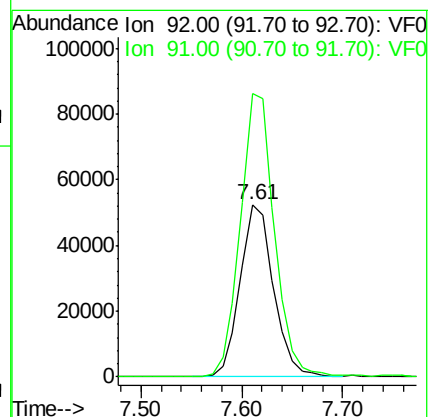
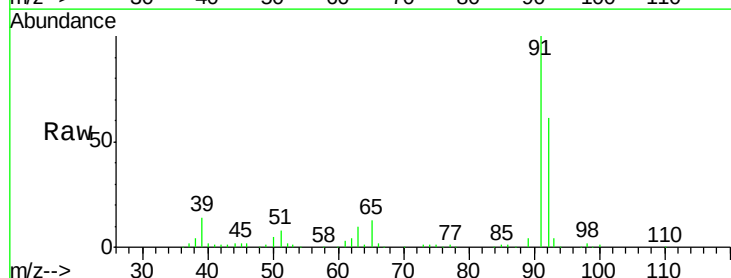
Acq: 28 Jan 2019 13:13

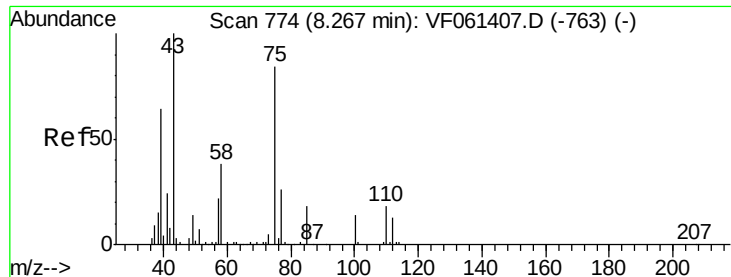
Tgt Ion: 92 Resp: 121868

Ion Ratio Lower Upper

92 100

91 164.6 131.2 196.8





#53

t-1,3-Dichloropropene

Concen: 21.449 ug/l

RT: 8.27 min Scan# 775

Delta R.T. 0.00 min

Lab File: VF061537.D

Acq: 28 Jan 2019 13:13

Instrument :

MSVOA_F

ClientSampleId :

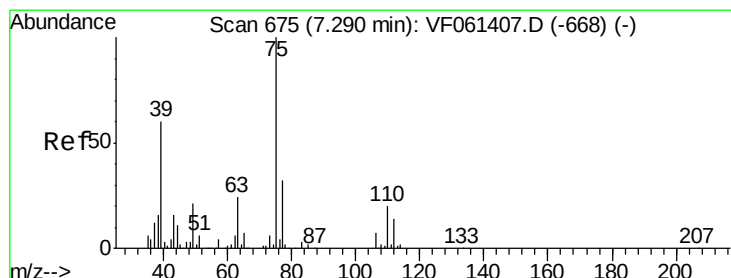
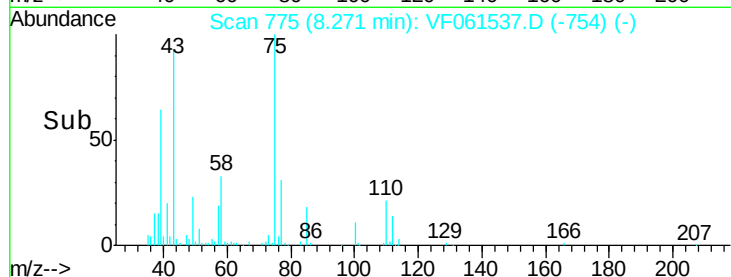
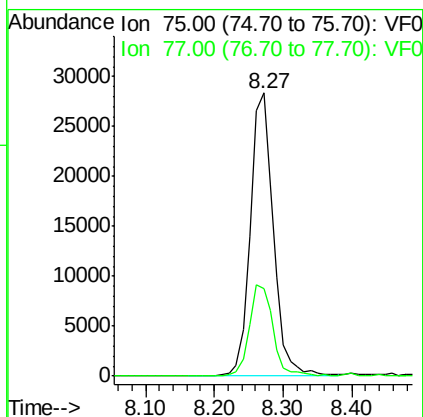
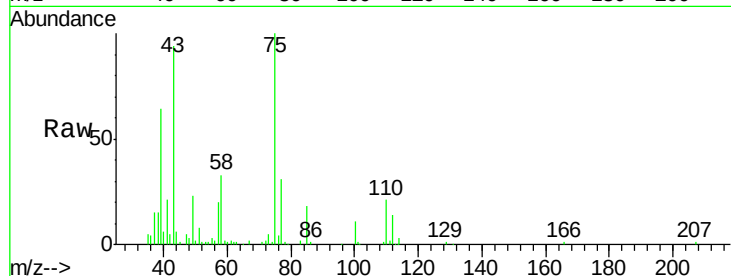
VF0128SBSD01

Tot Ion: 75 Resp: 66168

Ion Ratio Lower Upper

75 100

77 30.8 24.4 36.6



#54

cis-1,3-Dichloropropene

Concen: 21.251 ug/l

RT: 7.29 min Scan# 676

Delta R.T. 0.00 min

Lab File: VF061537.D

Acq: 28 Jan 2019 13:13

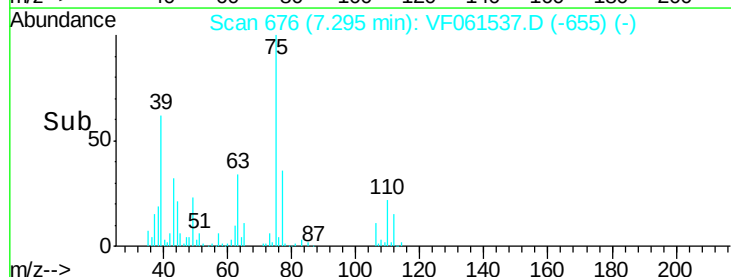
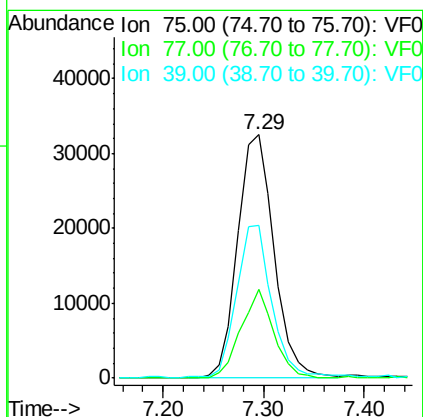
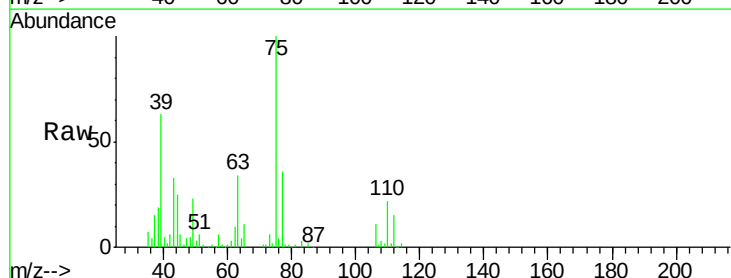
Tgt Ion: 75 Resp: 81945

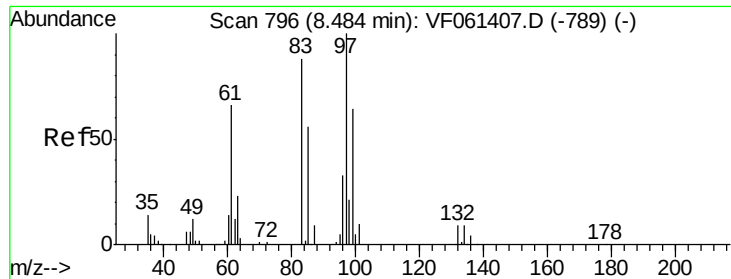
Ion Ratio Lower Upper

75 100

77 36.3 25.4 38.0

39 62.6 47.8 71.8





#55

1,1,2-Trichloroethane

Concen: 20.188 ug/l

RT: 8.48 min Scan# 796

Delta R.T. -0.01 min

Lab File: VF061537.D

Acq: 28 Jan 2019 13:13

Instrument :

MSVOA_F

ClientSampleId :

VF0128SBSD01

Tot Ion: 97 Resp: 33969

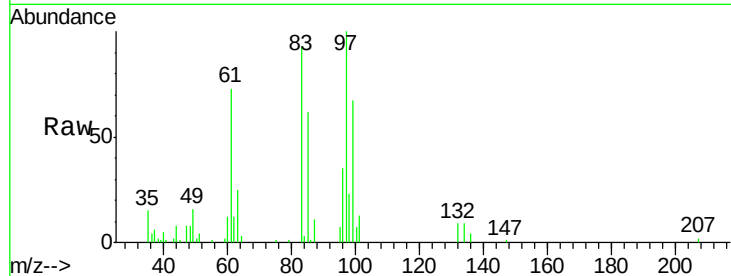
Ion Ratio Lower Upper

97 100

83 93.4 70.4 105.6

85 62.0 44.7 67.1

99 66.6 50.8 76.2

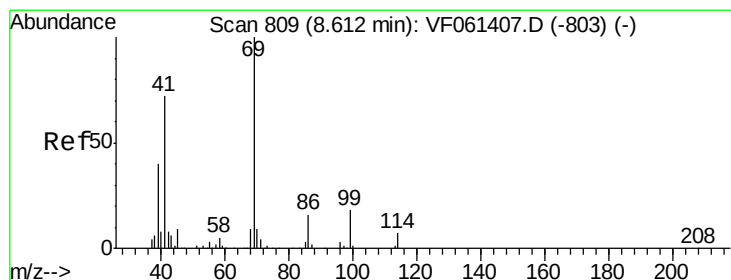
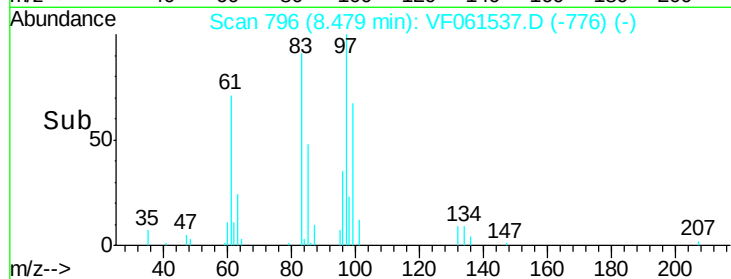
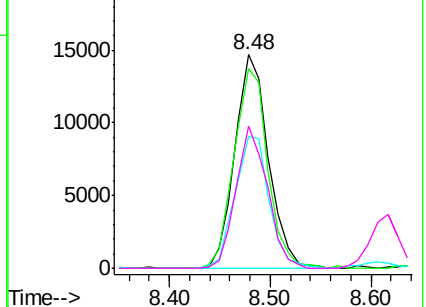


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 21.937 ug/l

RT: 8.61 min Scan# 809

Delta R.T. -0.01 min

Lab File: VF061537.D

Acq: 28 Jan 2019 13:13

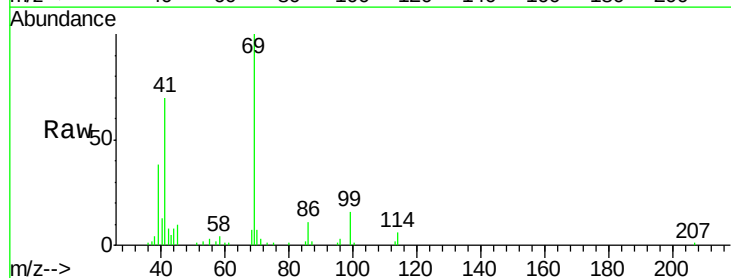
Tgt Ion: 69 Resp: 42944

Ion Ratio Lower Upper

69 100

41 69.6 57.5 86.3

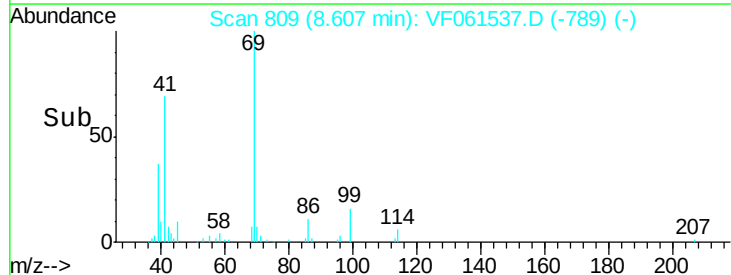
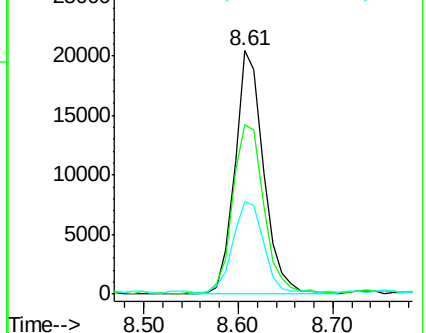
39 38.0 32.0 48.0

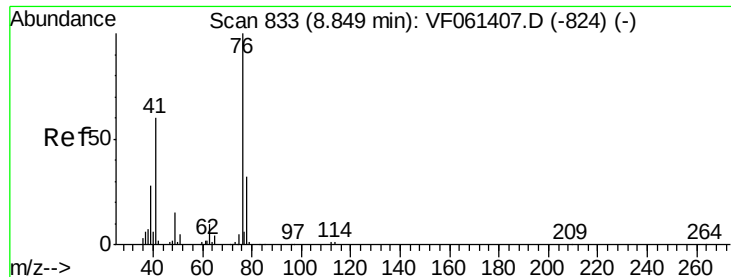


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 20.194 ug/l

RT: 8.84 min Scan# 833

Delta R.T. -0.01 min

Lab File: VF061537.D

Acq: 28 Jan 2019 13:13

Instrument :

MSVOA_F

ClientSampleId :

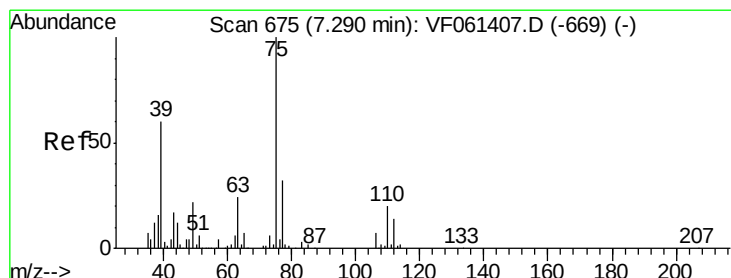
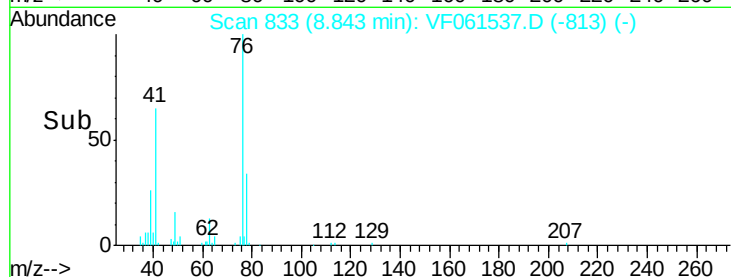
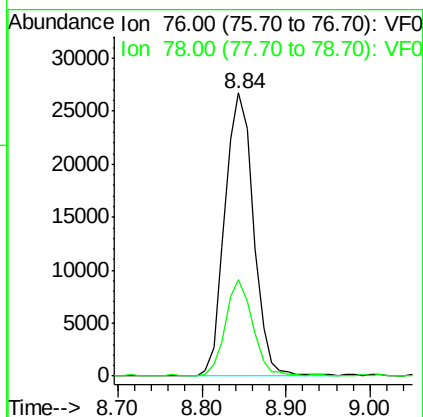
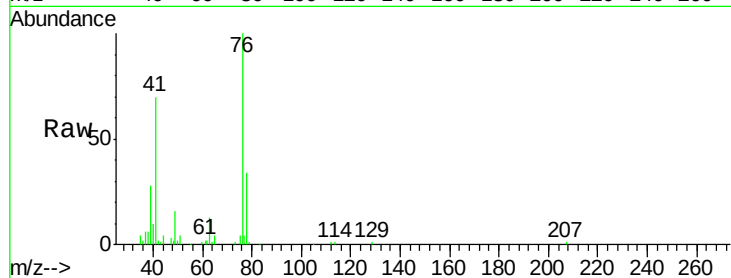
VF0128SBS01

Tot Ion: 76 Resp: 63688

Ion Ratio Lower Upper

76 100

78 34.3 25.3 37.9



#58

2-Chloroethyl Vinyl ether

Concen: 170.152 ug/l

RT: 7.28 min Scan# 675

Delta R.T. -0.01 min

Lab File: VF061537.D

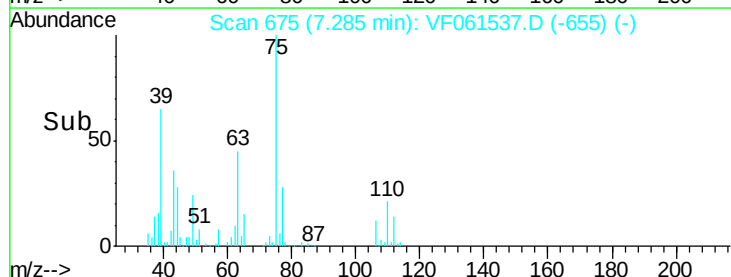
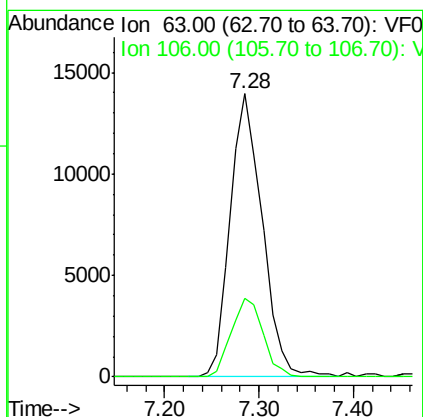
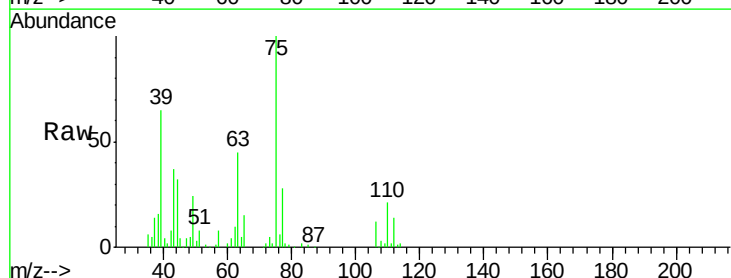
Acq: 28 Jan 2019 13:13

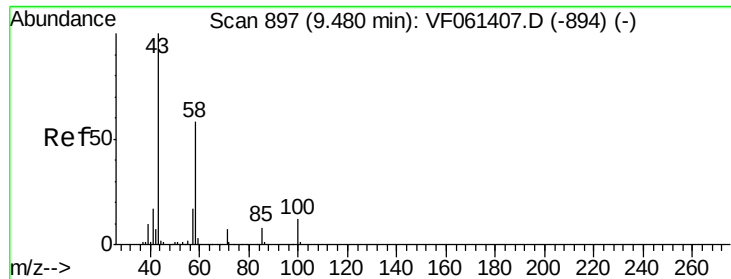
Tgt Ion: 63 Resp: 32901

Ion Ratio Lower Upper

63 100

106 27.6 21.9 32.9

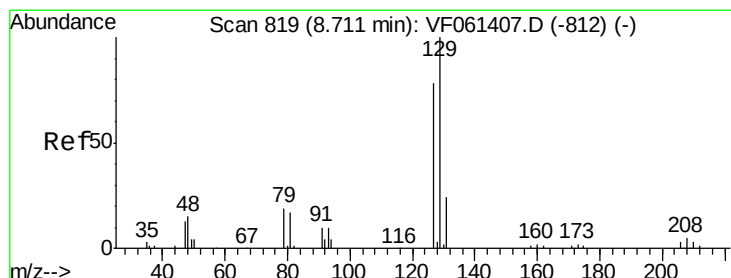
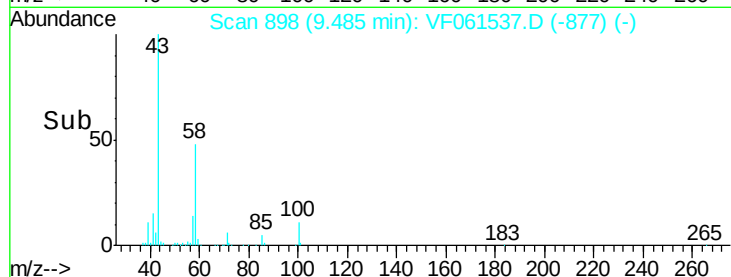
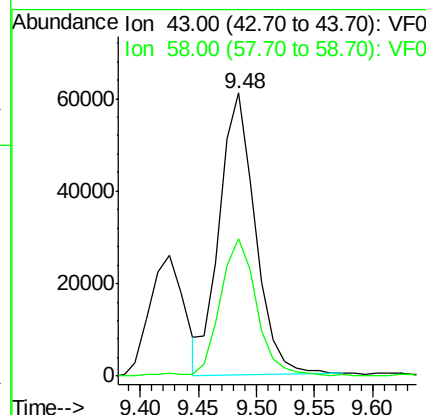
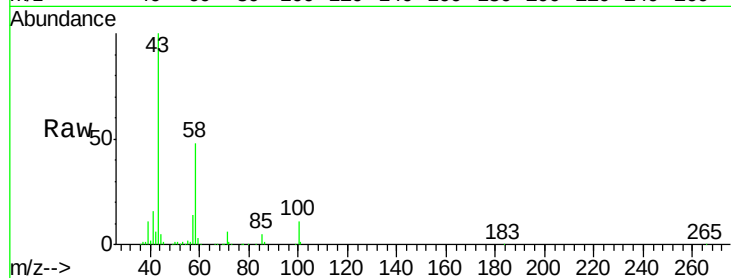




#59
2-Hexanone
Concen: 125.431 ug/l
RT: 9.48 min Scan# 898
Delta R.T. 0.00 min
Lab File: VF061537.D
Acq: 28 Jan 2019 13:13

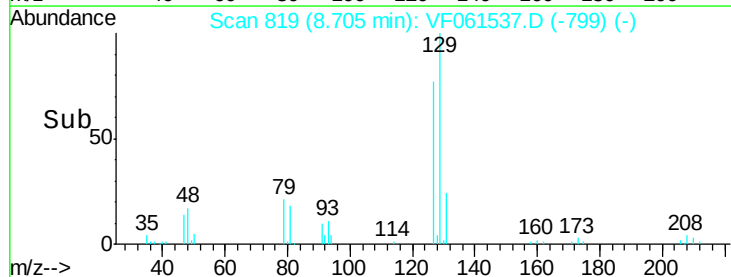
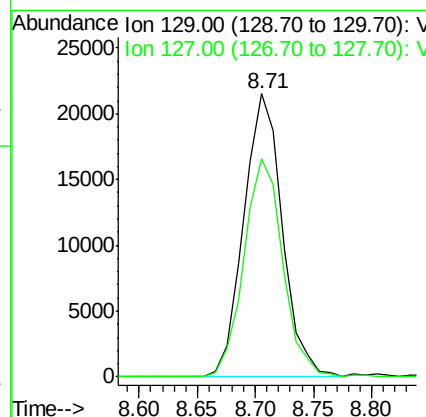
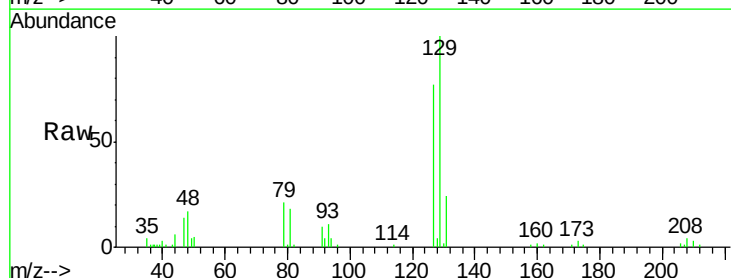
Instrument :
MSVOA_F
ClientSampleId :
VF0128SBSD01

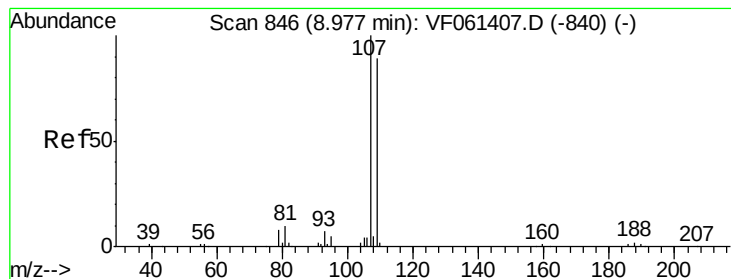
Tot Ion: 43 Resp: 130442
Ion Ratio Lower Upper
43 100
58 48.5 25.9 77.6



#60
Dibromochloromethane
Concen: 20.050 ug/l
RT: 8.71 min Scan# 819
Delta R.T. -0.01 min
Lab File: VF061537.D
Acq: 28 Jan 2019 13:13

Tgt Ion:129 Resp: 49320
Ion Ratio Lower Upper
129 100
127 76.9 39.1 117.2





#61

1,2-Dibromoethane

Concen: 19.394 ug/l

RT: 8.97 min Scan# 846

Delta R.T. -0.01 min

Lab File: VF061537.D

Acq: 28 Jan 2019 13:13

Instrument :

MSVOA_F

ClientSampleId :

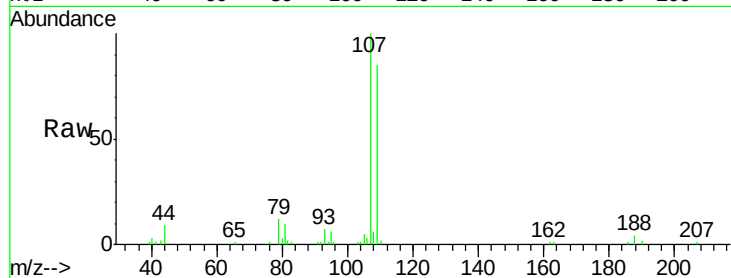
VF0128SBS01

Tot Ion:107 Resp: 37358

Ion Ratio Lower Upper

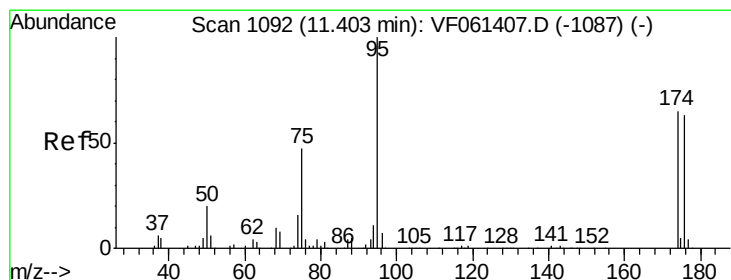
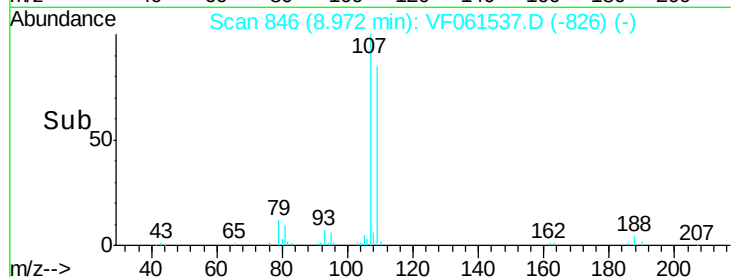
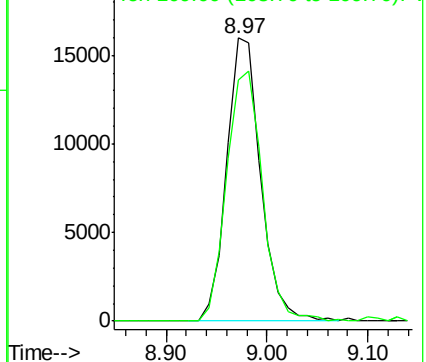
107 100

109 85.0 70.8 106.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 46.547 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.01 min

Lab File: VF061537.D

Acq: 28 Jan 2019 13:13

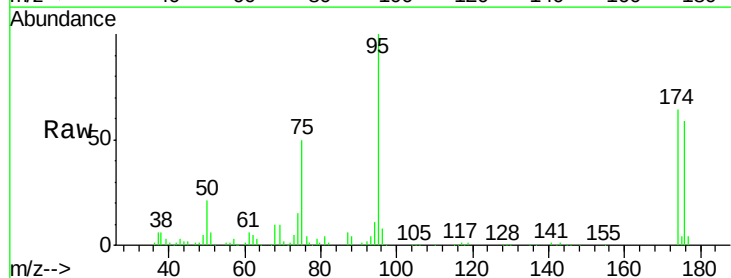
Tgt Ion: 95 Resp: 163975

Ion Ratio Lower Upper

95 100

174 64.1 0.0 130.4

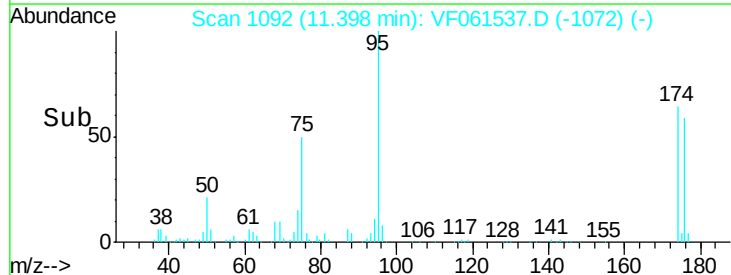
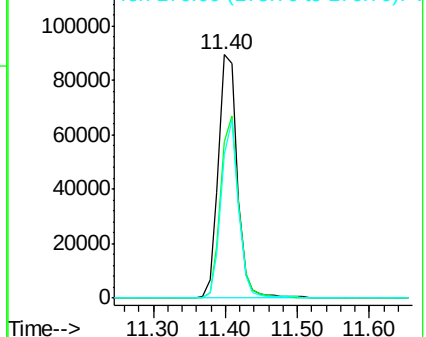
176 58.9 0.0 126.2

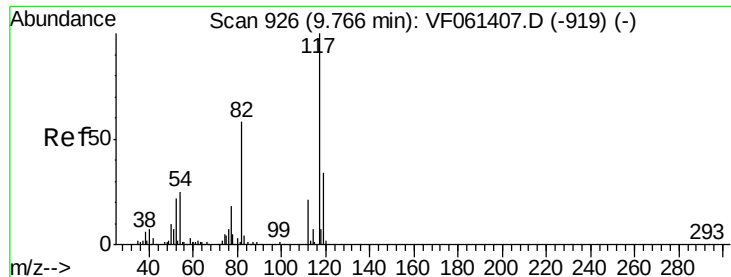


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

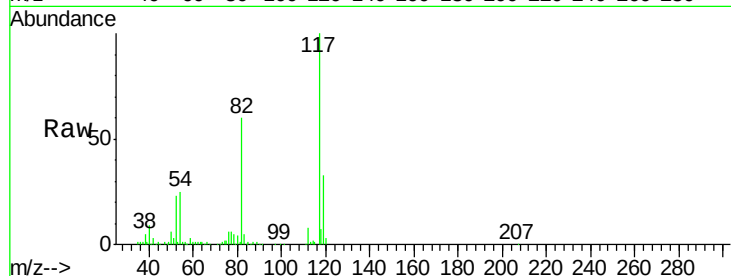




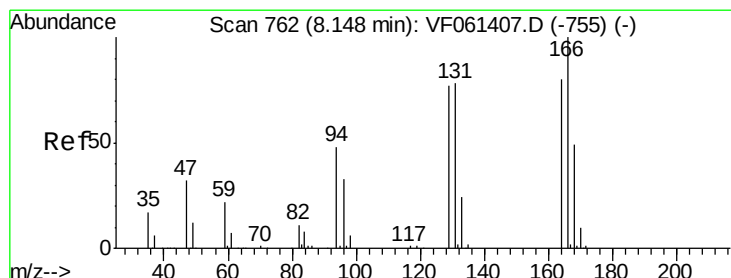
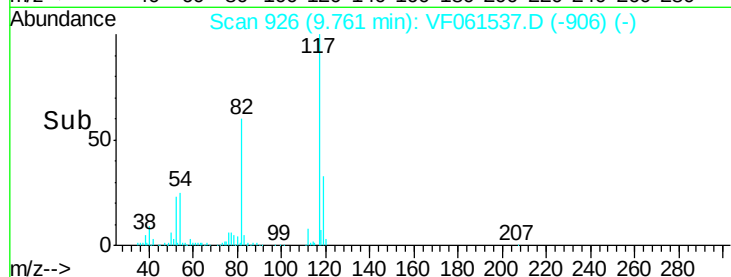
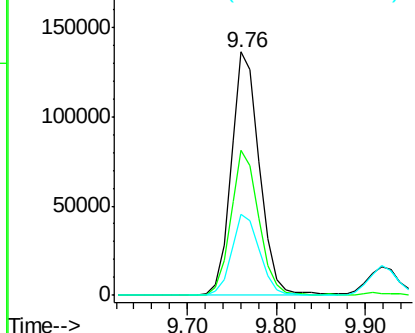
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.76 min Scan# 926
Delta R.T. -0.01 min
Lab File: VF061537.D
Acq: 28 Jan 2019 13:13

Instrument :
MSVOA_F
ClientSampleId :
VF0128SBS01

Tot Ion:117 Resp: 302838
Ion Ratio Lower Upper
117 100
82 59.8 46.4 69.6
119 33.3 27.2 40.8

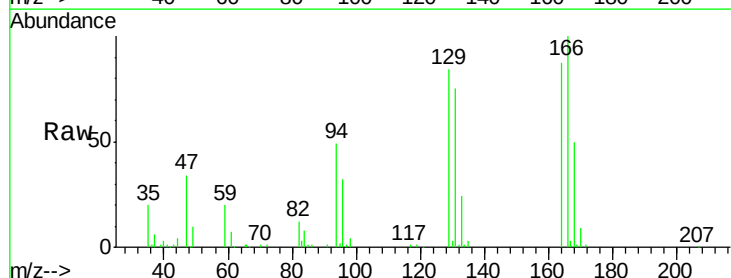


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

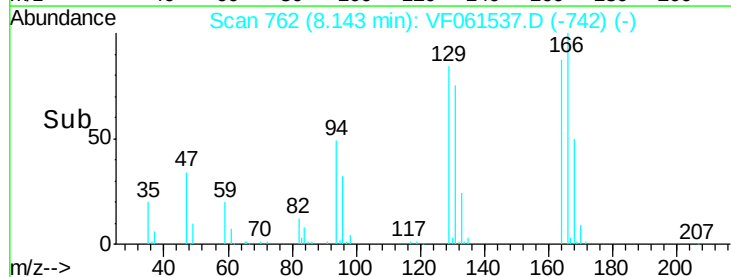
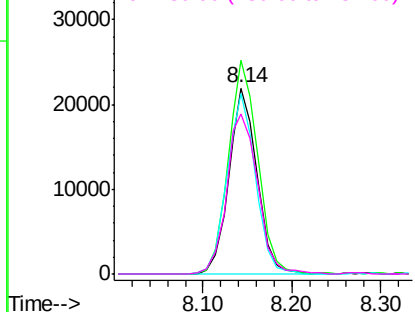


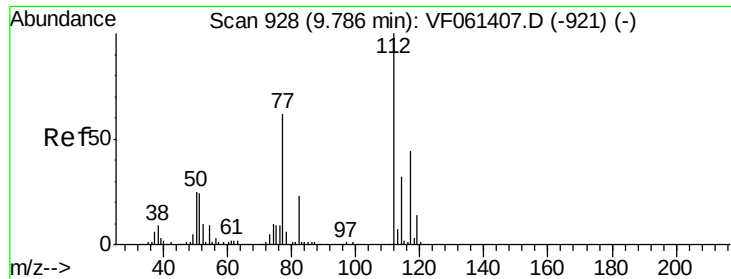
#64
Tetrachloroethene
Concen: 21.072 ug/l
RT: 8.14 min Scan# 762
Delta R.T. -0.01 min
Lab File: VF061537.D
Acq: 28 Jan 2019 13:13

Tgt Ion:164 Resp: 47988
Ion Ratio Lower Upper
164 100
166 114.9 99.6 149.4
129 97.0 76.4 114.6
131 85.9 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

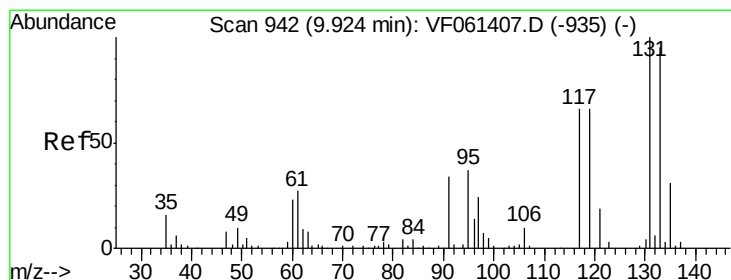
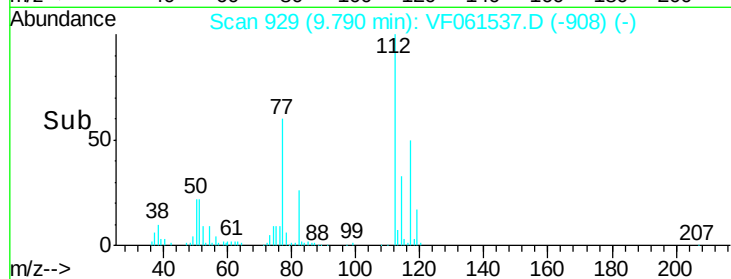
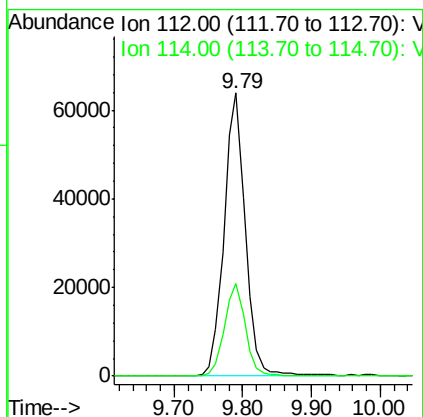
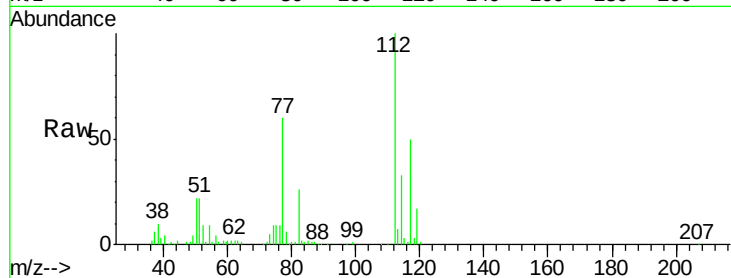




#65
Chlorobenzene
Concen: 22.139 ug/l
RT: 9.79 min Scan# 929
Delta R.T. 0.00 min
Lab File: VF061537.D
Acq: 28 Jan 2019 13:13

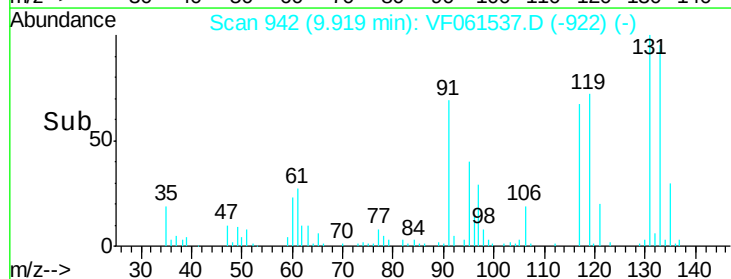
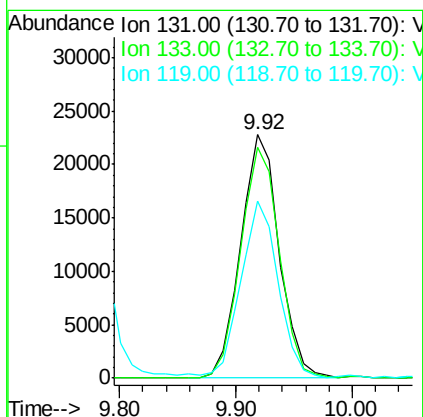
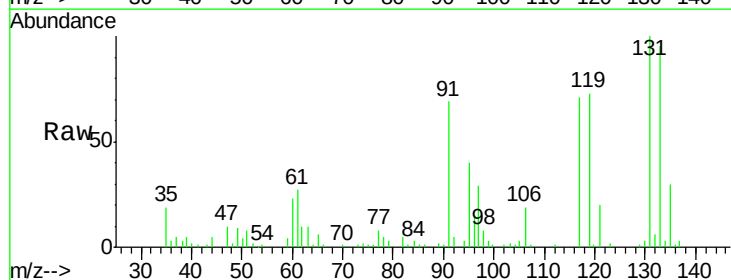
Instrument :
MSVOA_F
ClientSampleId :
VF0128SBS01

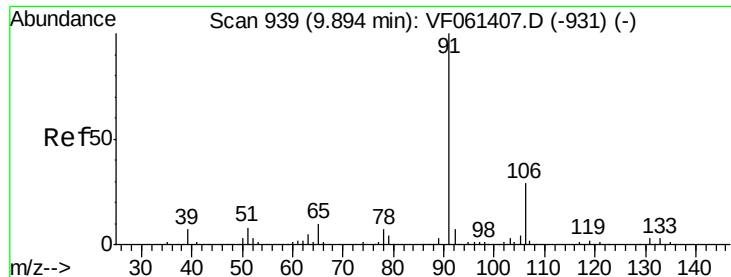
Tot Ion:112 Resp: 136344
Ion Ratio Lower Upper
112 100
114 32.7 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 21.236 ug/l
RT: 9.92 min Scan# 942
Delta R.T. -0.01 min
Lab File: VF061537.D
Acq: 28 Jan 2019 13:13

Tgt Ion:131 Resp: 52099
Ion Ratio Lower Upper
131 100
133 94.8 47.4 142.2
119 72.6 33.1 99.3





#67

Ethyl Benzene

Concen: 20.992 ug/l

RT: 9.89 min Scan# 939

Delta R.T. -0.01 min

Lab File: VF061537.D

Acq: 28 Jan 2019 13:13

Instrument :

MSVOA_F

ClientSampleId :

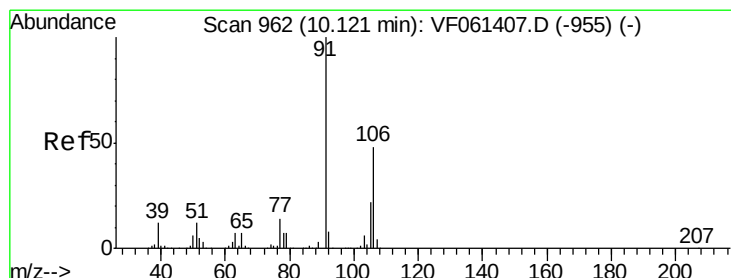
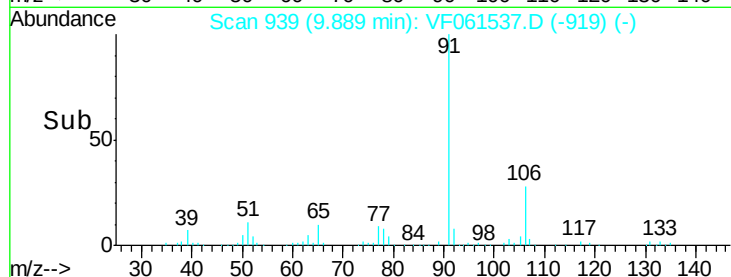
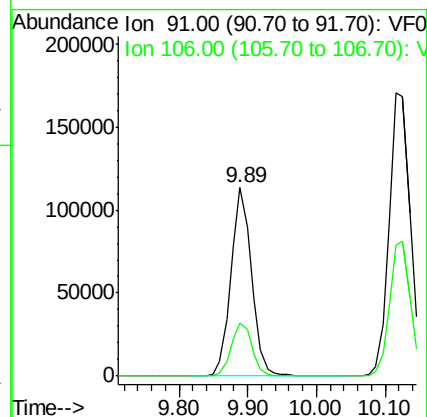
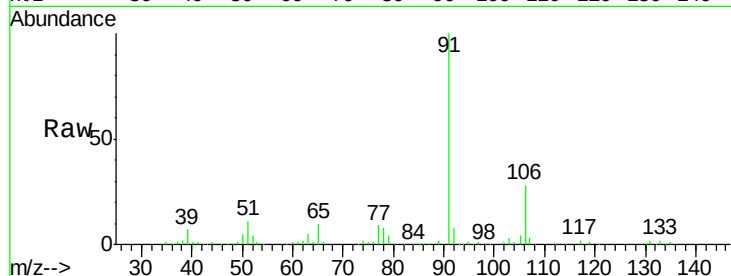
VF0128SBS01

Tot Ion: 91 Resp: 236195

Ion Ratio Lower Upper

91 100

106 28.5 23.1 34.7



#68

m/p-Xylenes

Concen: 43.184 ug/l

RT: 10.13 min Scan# 963

Delta R.T. 0.00 min

Lab File: VF061537.D

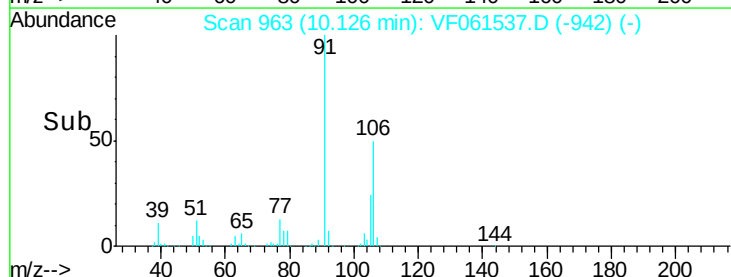
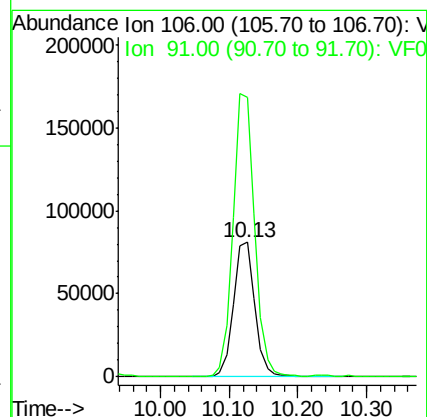
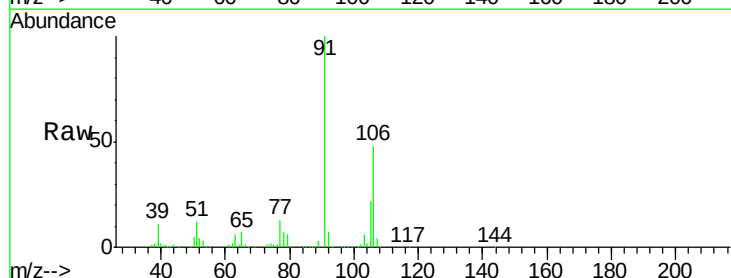
Acq: 28 Jan 2019 13:13

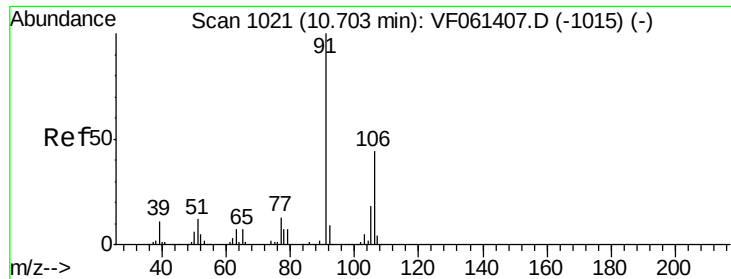
Tgt Ion: 106 Resp: 174760

Ion Ratio Lower Upper

106 100

91 207.9 166.2 249.4

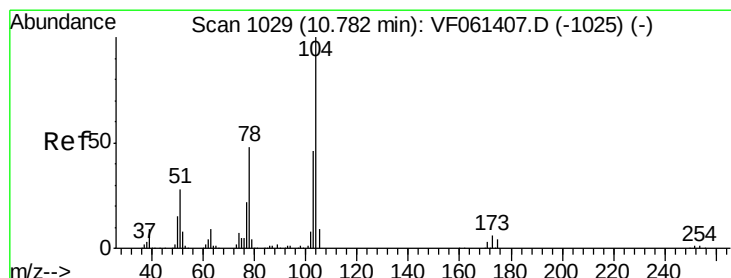
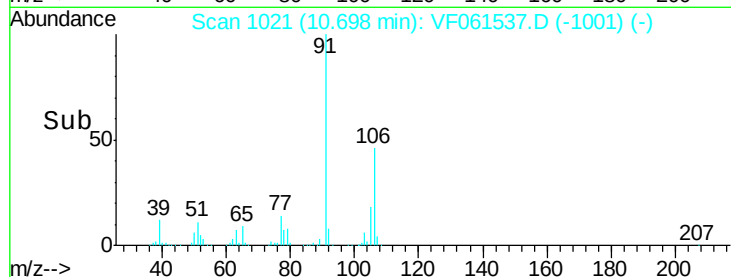
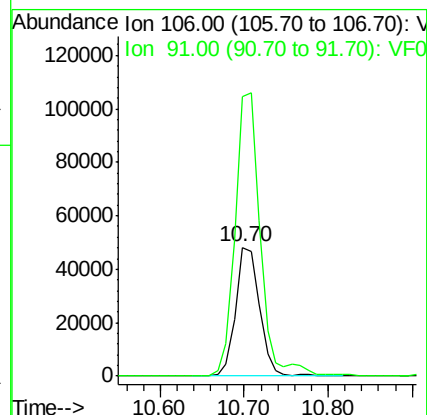
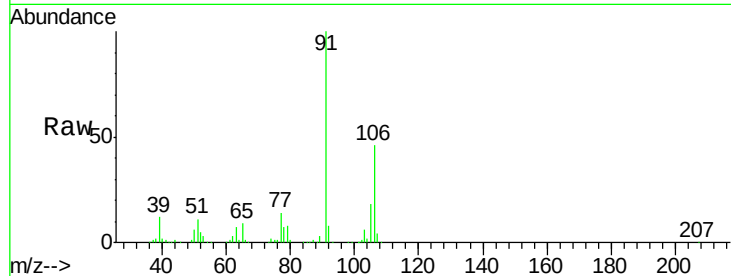




#69
o-Xylene
Concen: 21.885 ug/l
RT: 10.70 min Scan# 1021
Delta R.T. -0.01 min
Lab File: VF061537.D
Acq: 28 Jan 2019 13:13

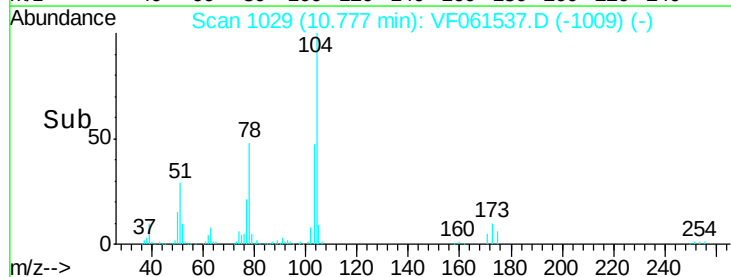
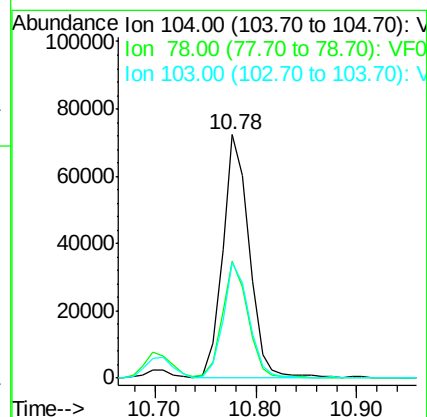
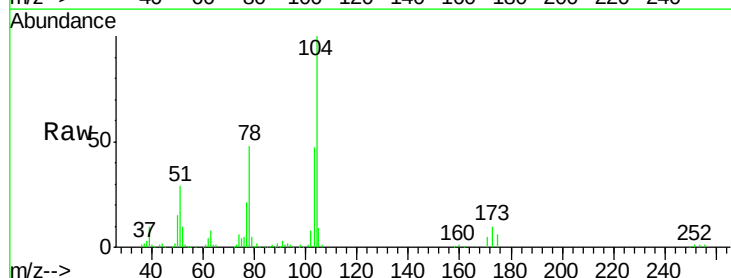
Instrument :
MSVOA_F
ClientSampleId :
VF0128SBS01

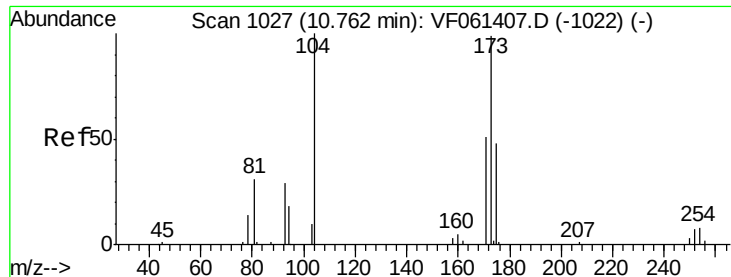
Tot Ion:106 Resp: 95988
Ion Ratio Lower Upper
106 100
91 216.4 113.3 339.8



#70
Styrene
Concen: 22.010 ug/l
RT: 10.78 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VF061537.D
Acq: 28 Jan 2019 13:13

Tgt Ion:104 Resp: 132145
Ion Ratio Lower Upper
104 100
78 48.0 38.8 58.2
103 47.3 37.0 55.6





#71

Bromoform

Concen: 24.041 ug/l

RT: 10.77 min Scan# 1028

Delta R.T. 0.00 min

Lab File: VF061537.D

Acq: 28 Jan 2019 13:13

Instrument :

MSVOA_F

ClientSampleId :

VF0128SBSD01

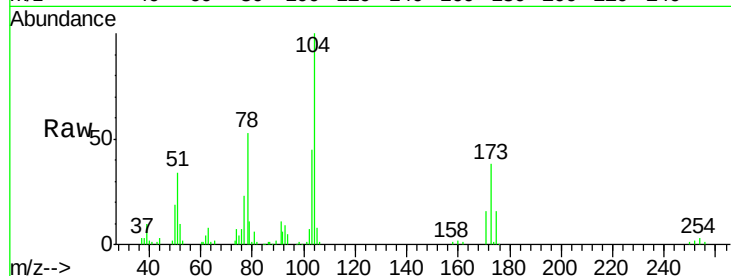
Tot Ion:173 Resp: 26500

Ion Ratio Lower Upper

173 100

175 43.5 24.1 72.4

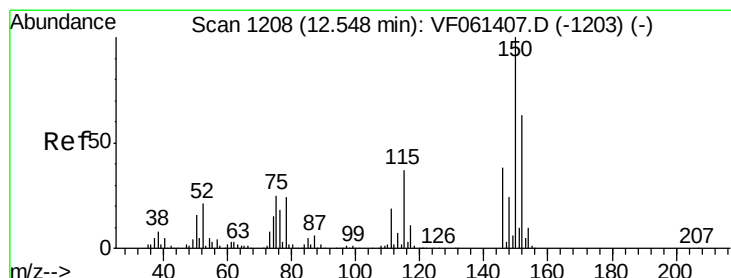
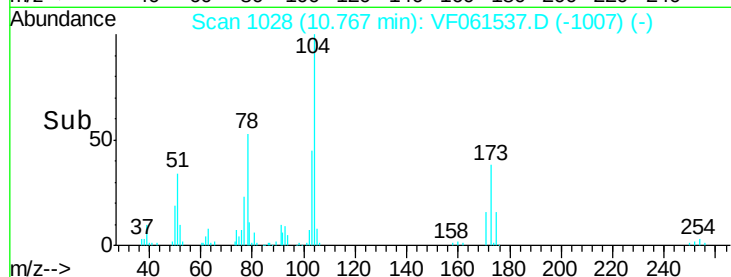
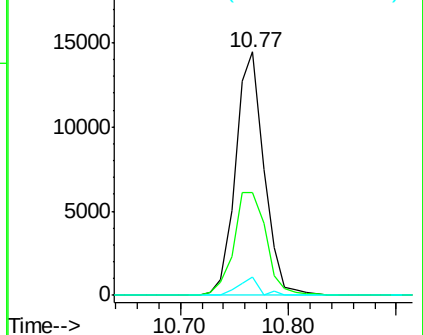
254 7.4 0.0 0.0#



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. -0.01 min

Lab File: VF061537.D

Acq: 28 Jan 2019 13:13

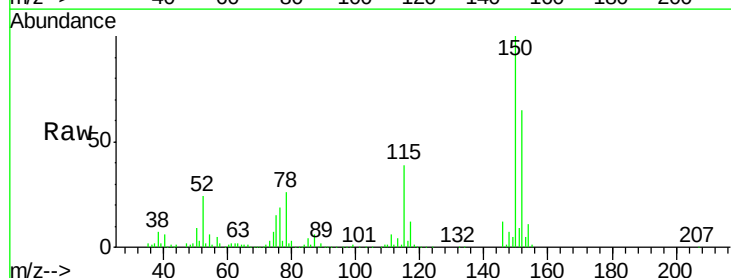
Tgt Ion:152 Resp: 157268

Ion Ratio Lower Upper

152 100

115 60.6 30.0 90.0

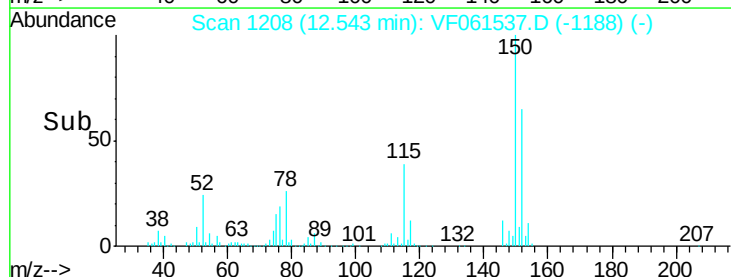
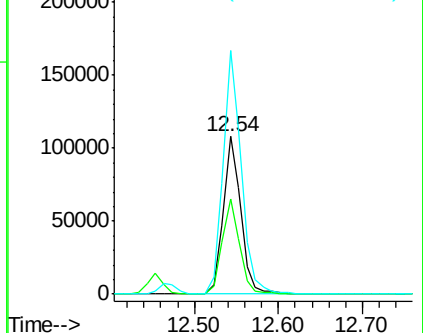
150 154.7 0.0 321.4

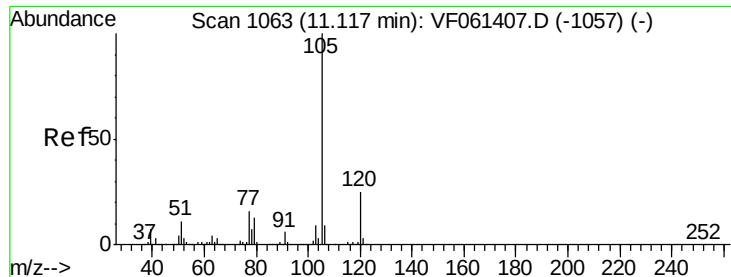


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 22.562 ug/l

RT: 11.11 min Scan# 1063

Delta R.T. -0.01 min

Lab File: VF061537.D

Acq: 28 Jan 2019 13:13

Instrument :

MSVOA_F

ClientSampleId :

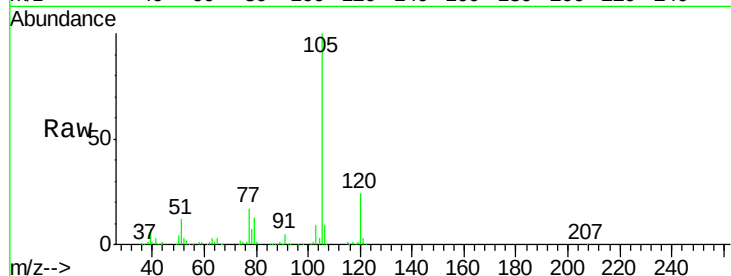
VF0128SBSD01

Tot Ion:105 Resp: 288583

Ion Ratio Lower Upper

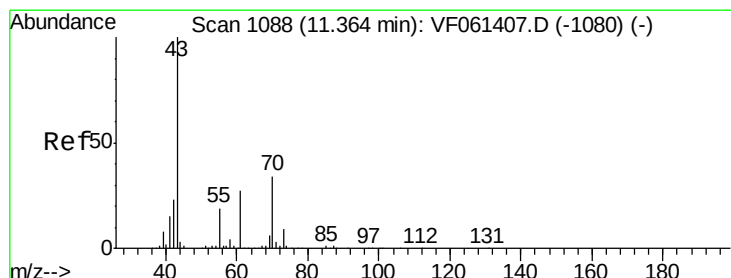
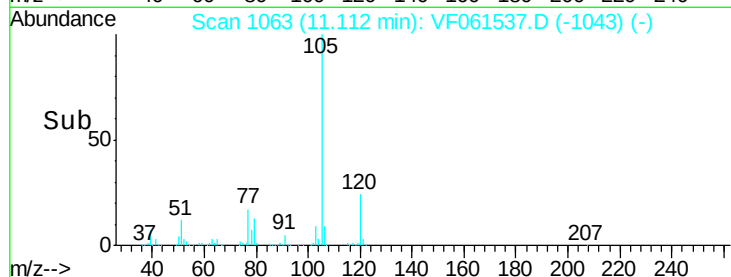
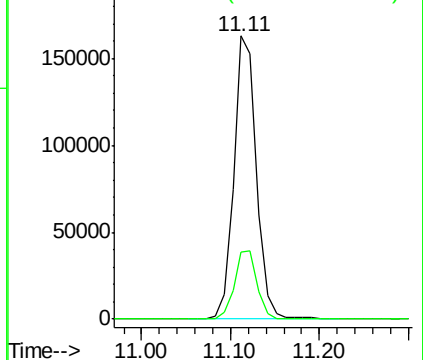
105 100

120 23.9 12.6 37.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 25.979 ug/l

RT: 11.37 min Scan# 1089

Delta R.T. 0.00 min

Lab File: VF061537.D

Acq: 28 Jan 2019 13:13

Tgt Ion: 43 Resp: 78576

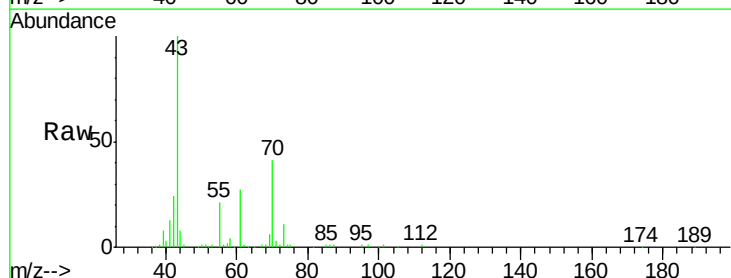
Ion Ratio Lower Upper

43 100

70 40.5 27.6 41.4

55 20.7 15.4 23.2

61 27.4 21.8 32.6

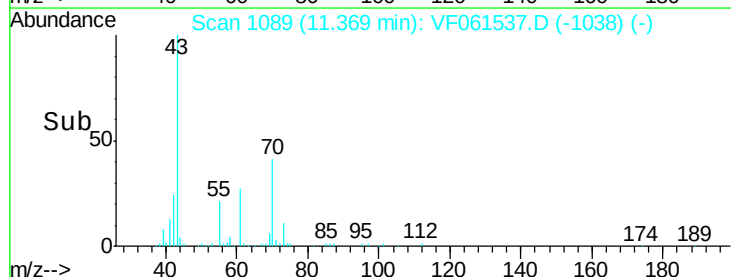
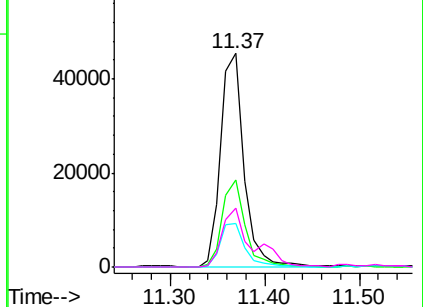


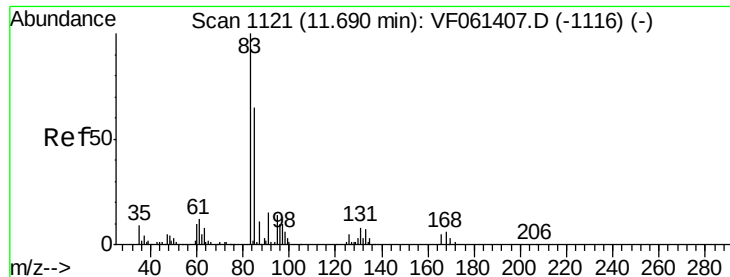
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 22.389 ug/l

RT: 11.68 min Scan# 1121

Delta R.T. -0.01 min

Lab File: VF061537.D

Acq: 28 Jan 2019 13:13

Instrument :

MSVOA_F

ClientSampleId :

VF0128SBSD01

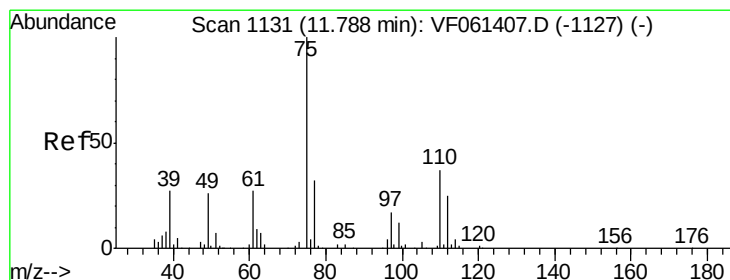
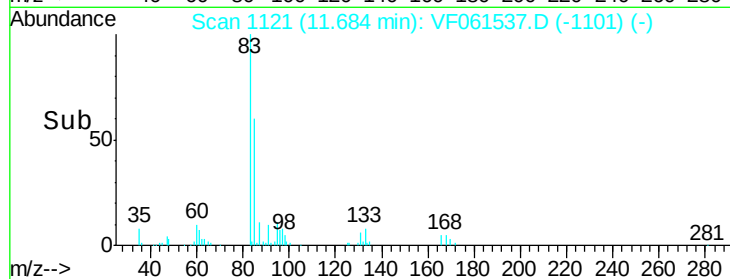
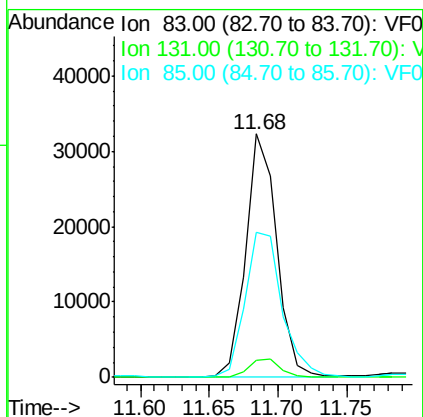
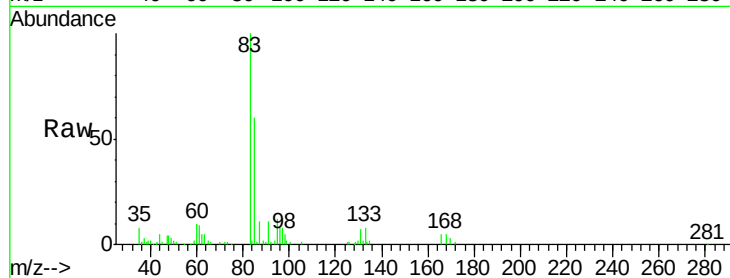
Tot Ion: 83 Resp: 51018

Ion Ratio Lower Upper

83 100

131 6.7 4.0 12.2

85 59.7 32.7 98.1



#76

1,2,3-Trichloropropane

Concen: 21.638 ug/l

RT: 11.78 min Scan# 1131

Delta R.T. -0.01 min

Lab File: VF061537.D

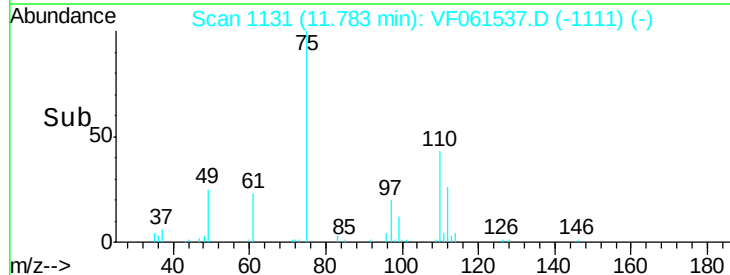
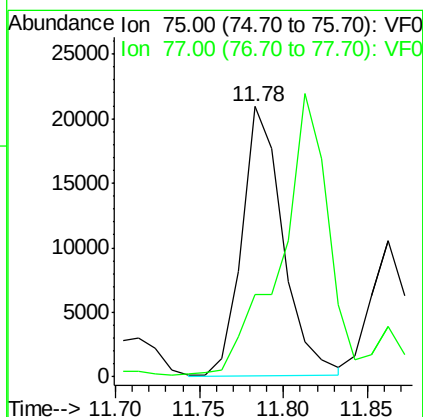
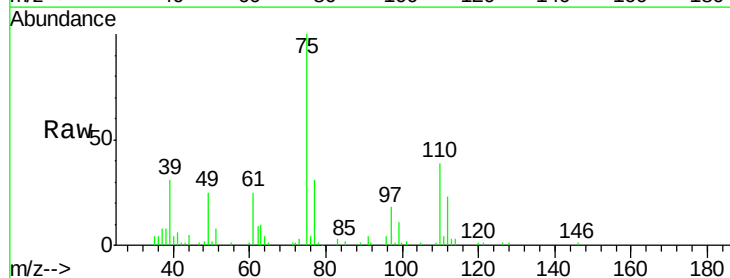
Acq: 28 Jan 2019 13:13

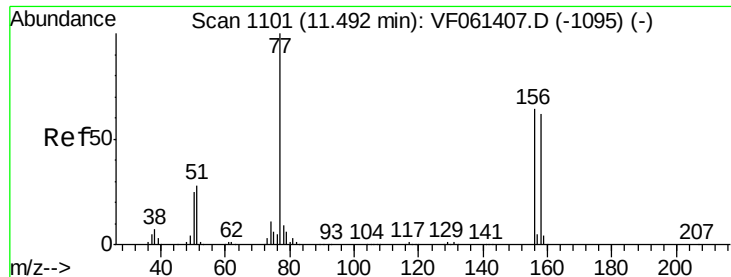
Tgt Ion: 75 Resp: 35429

Ion Ratio Lower Upper

75 100

77 30.7 16.1 48.3





#77

Bromobenzene

Concen: 20.509 ug/l

RT: 11.49 min Scan# 1101

Delta R.T. -0.01 min

Lab File: VF061537.D

Acq: 28 Jan 2019 13:13

Instrument :

MSVOA_F

ClientSampleId :

VF0128SBS01

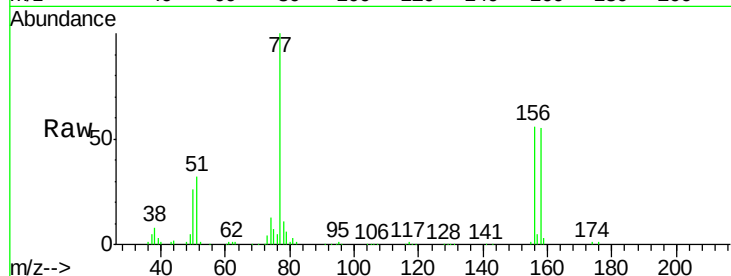
Tot Ion:156 Resp: 55402

Ion Ratio Lower Upper

156 100

77 178.6 78.3 234.9

158 98.7 48.9 146.7

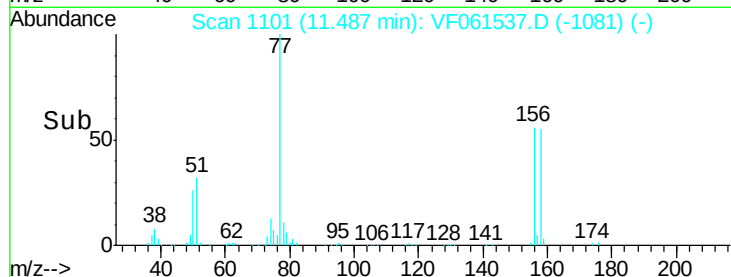


Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

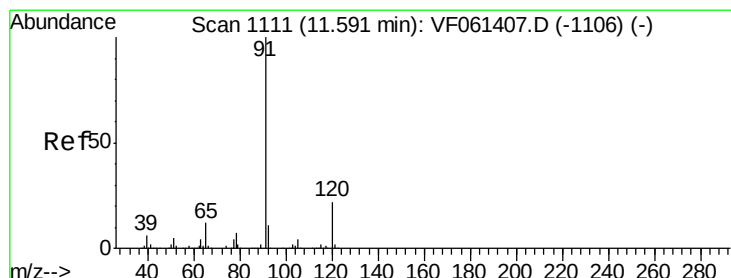
Ion 158.00 (157.70 to 158.70): V

Time-->



11.49

Time-->



#78

n-propylbenzene

Concen: 20.391 ug/l

RT: 11.59 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VF061537.D

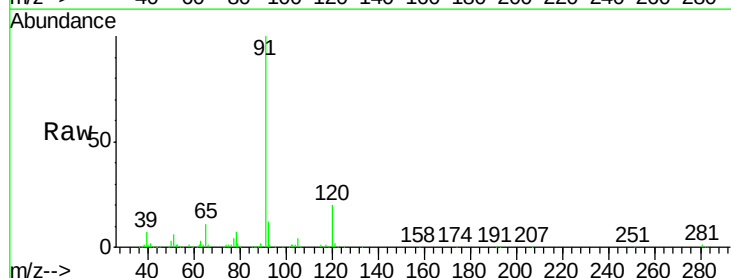
Acq: 28 Jan 2019 13:13

Tgt Ion: 91 Resp: 339616

Ion Ratio Lower Upper

91 100

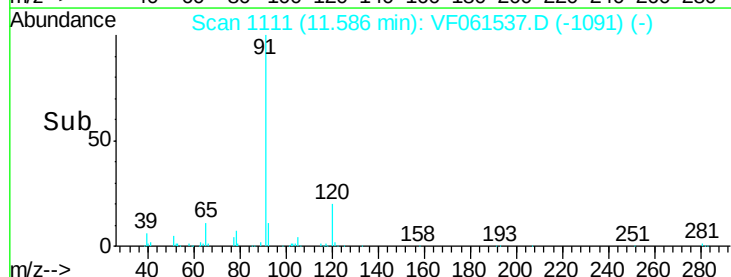
120 20.3 10.9 32.6



Abundance Ion 91.00 (90.70 to 91.70): VF0

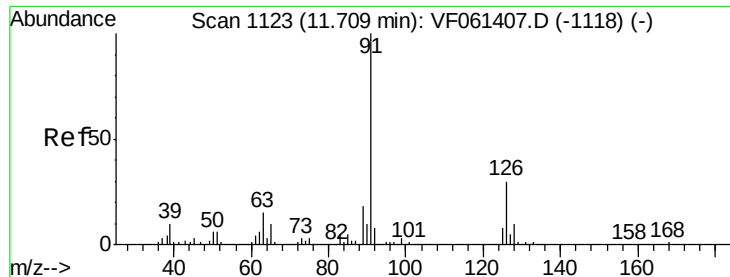
Ion 120.00 (119.70 to 120.70): V

Time-->



11.59

Time-->



#79

2-Chlorotoluene

Concen: 22.062 ug/l

RT: 11.71 min Scan# 1124

Delta R.T. 0.00 min

Lab File: VF061537.D

Acq: 28 Jan 2019 13:13

Instrument :

MSVOA_F

ClientSampleId :

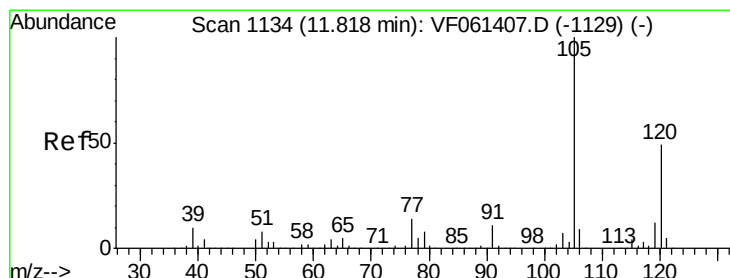
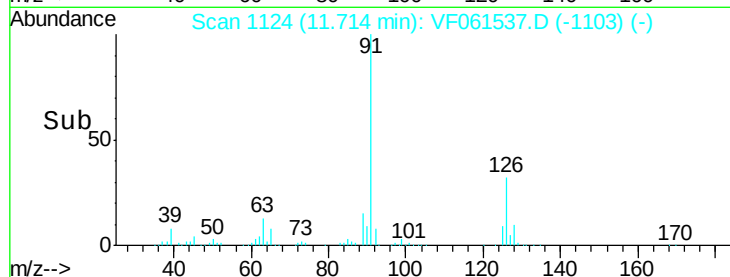
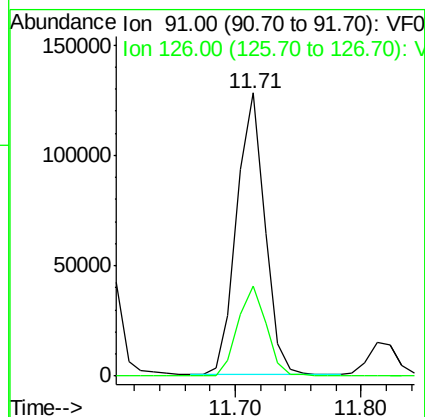
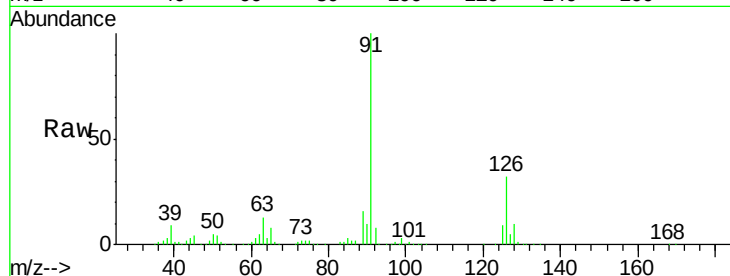
VF0128SBSD01

Tot Ion: 91 Resp: 195797

Ion Ratio Lower Upper

91 100

126 31.7 15.0 45.1



#80

1,3,5-Trimethylbenzene

Concen: 22.510 ug/l

RT: 11.81 min Scan# 1134

Delta R.T. -0.01 min

Lab File: VF061537.D

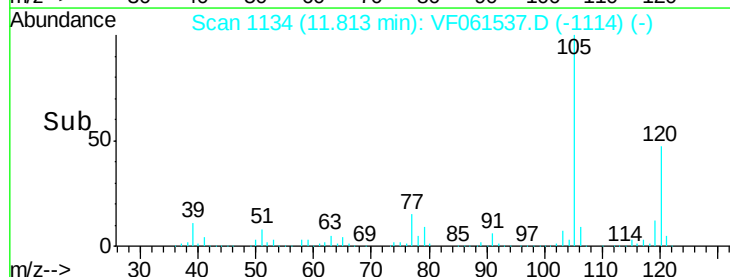
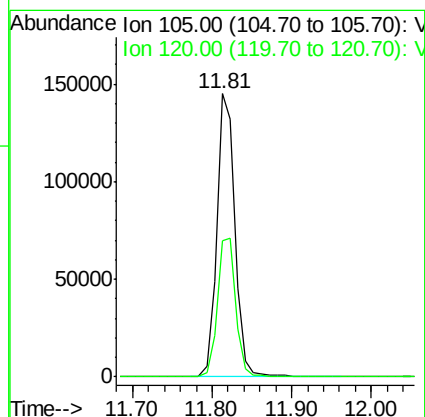
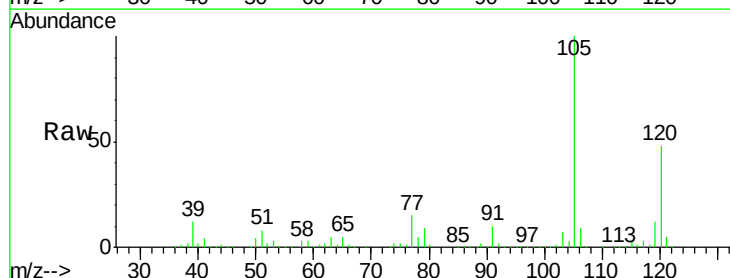
Acq: 28 Jan 2019 13:13

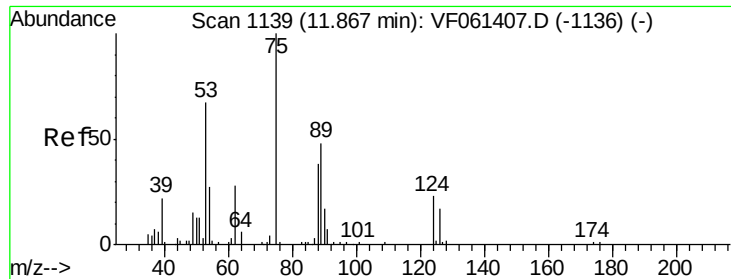
Tgt Ion:105 Resp: 232360

Ion Ratio Lower Upper

105 100

120 48.0 24.7 74.1

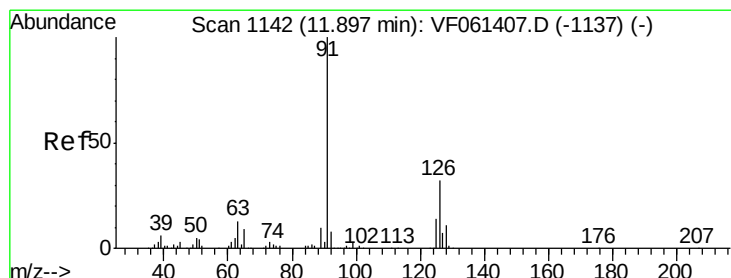
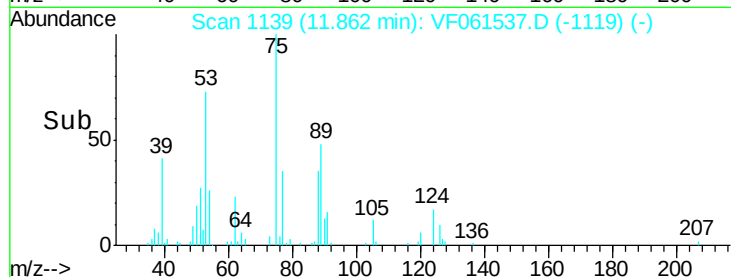
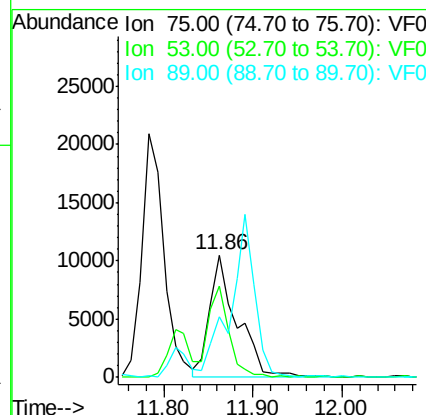
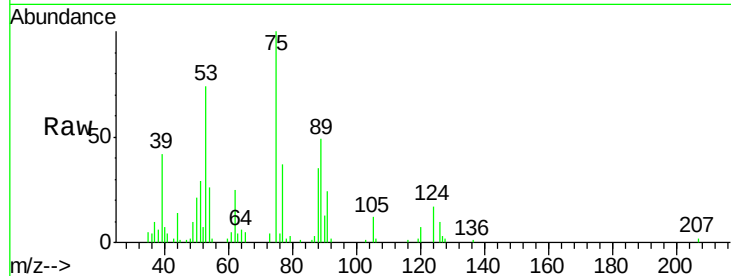




#81
trans-1,4-Dichloro-2-butene
Concen: 32.103 ug/l
RT: 11.86 min Scan# 1139
Delta R.T. -0.01 min
Lab File: VF061537.D
Acq: 28 Jan 2019 13:13

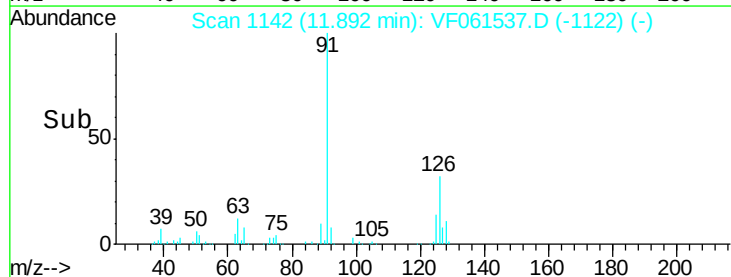
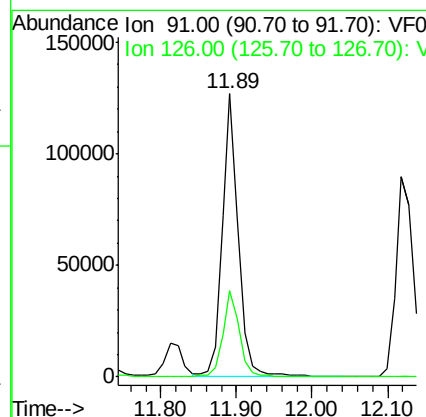
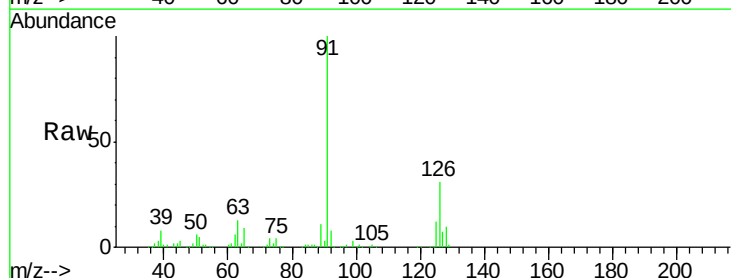
Instrument :
MSVOA_F
ClientSampled :
VF0128SBS01

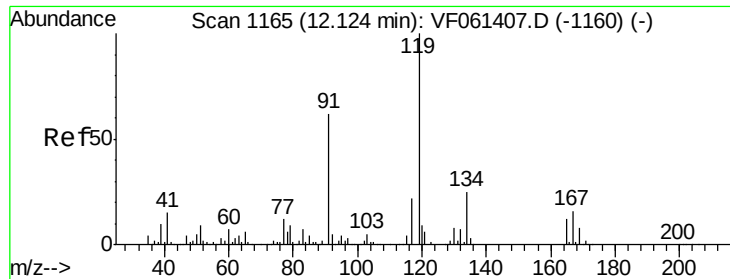
Tot Ion: 75 Resp: 22850
Ion Ratio Lower Upper
75 100
53 74.3 57.8 86.6
89 49.2 40.7 61.1



#82
4-Chlorotoluene
Concen: 21.077 ug/l
RT: 11.89 min Scan# 1142
Delta R.T. -0.01 min
Lab File: VF061537.D
Acq: 28 Jan 2019 13:13

Tgt Ion: 91 Resp: 188755
Ion Ratio Lower Upper
91 100
126 30.6 16.0 47.9

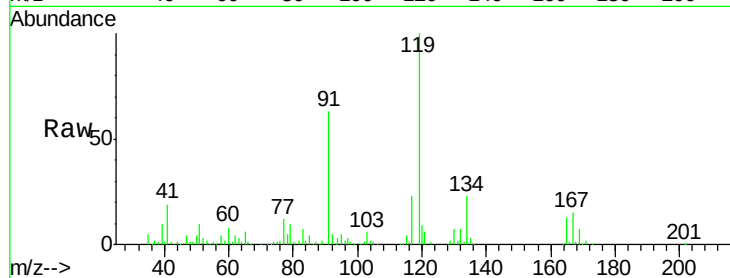




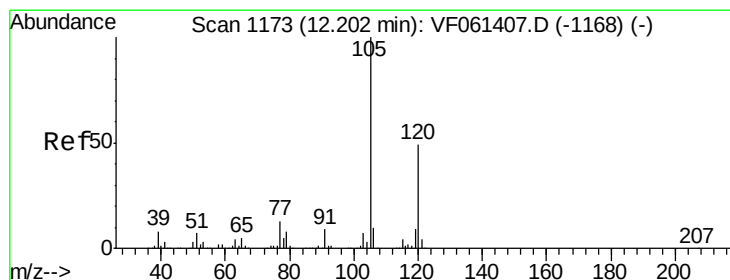
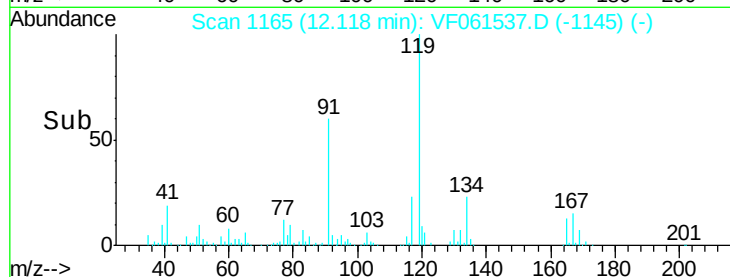
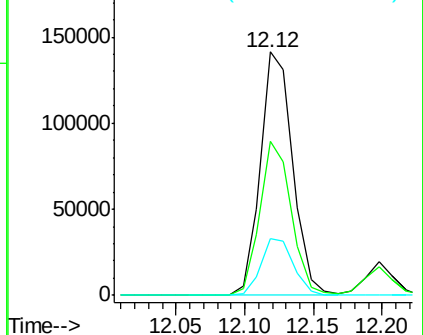
#83
 tert-Butylbenzene
 Concen: 21.693 ug/l
 RT: 12.12 min Scan# 1165
 Delta R.T. -0.01 min
 Lab File: VF061537.D
 Acq: 28 Jan 2019 13:13

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0128SBS01

Tot Ion:119 Resp: 231767
 Ion Ratio Lower Upper
 119 100
 91 63.3 31.3 93.8
 134 23.1 12.4 37.0

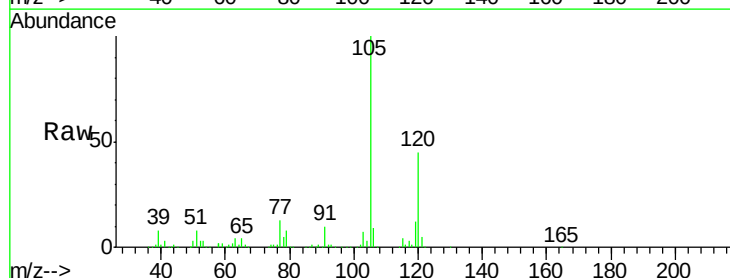


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VF0
 Ion 134.00 (133.70 to 134.70): V

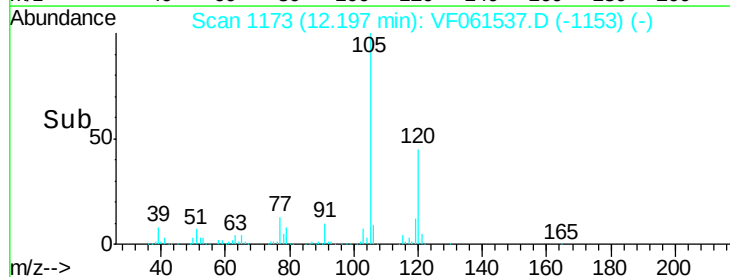
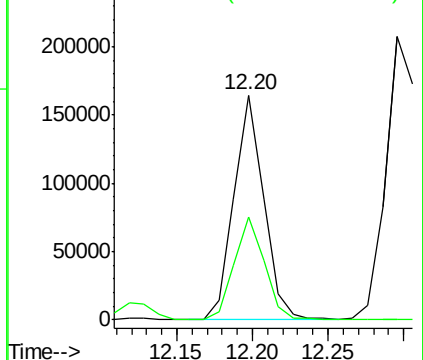


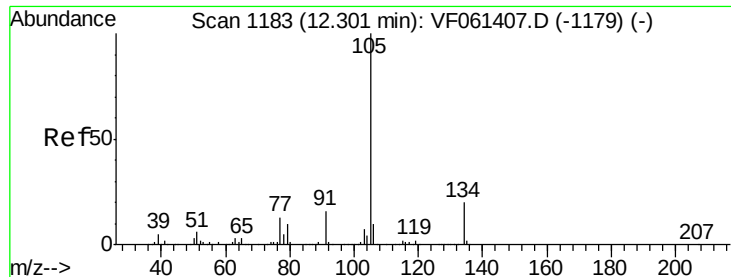
#84
 1,2,4-Trimethylbenzene
 Concen: 21.304 ug/l
 RT: 12.20 min Scan# 1173
 Delta R.T. -0.01 min
 Lab File: VF061537.D
 Acq: 28 Jan 2019 13:13

Tgt Ion:105 Resp: 226517
 Ion Ratio Lower Upper
 105 100
 120 45.5 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 21.826 ug/l

RT: 12.30 min Scan# 1183

Delta R.T. -0.01 min

Lab File: VF061537.D

Acq: 28 Jan 2019 13:13

Instrument :

MSVOA_F

ClientSampleId :

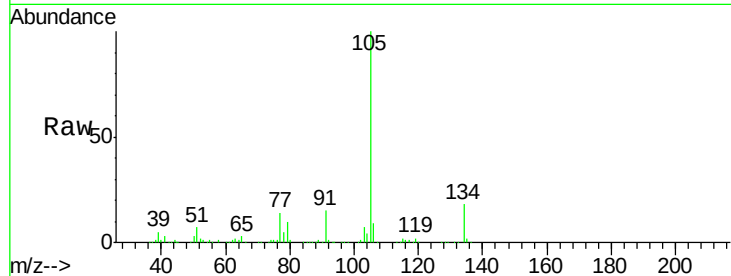
VF0128SBSD01

Tot Ion:105 Resp: 316681

Ion Ratio Lower Upper

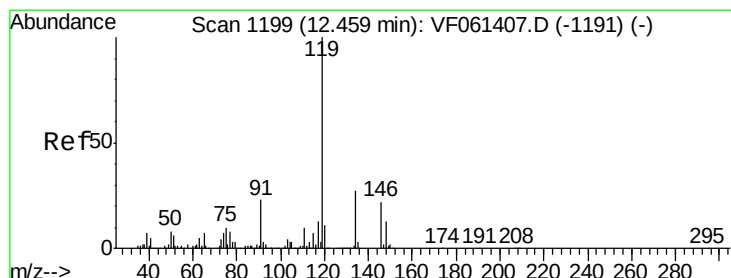
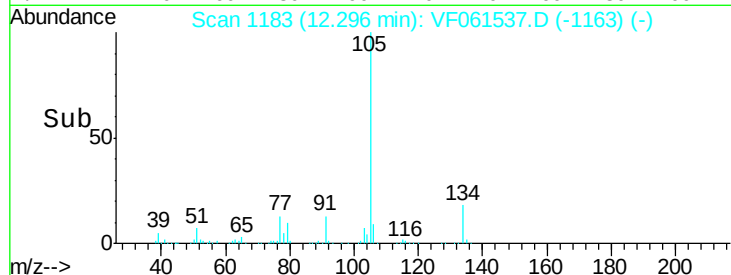
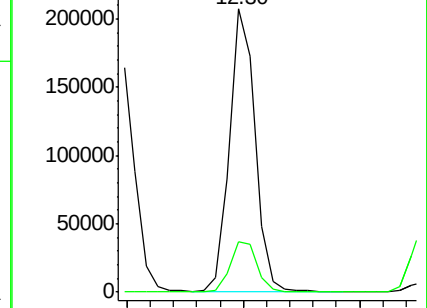
105 100

134 18.0 10.0 30.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 22.550 ug/l

RT: 12.45 min Scan# 1199

Delta R.T. -0.01 min

Lab File: VF061537.D

Acq: 28 Jan 2019 13:13

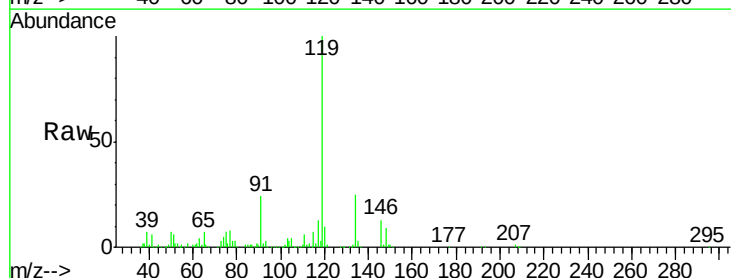
Tgt Ion:119 Resp: 268580

Ion Ratio Lower Upper

119 100

134 25.0 13.4 40.2

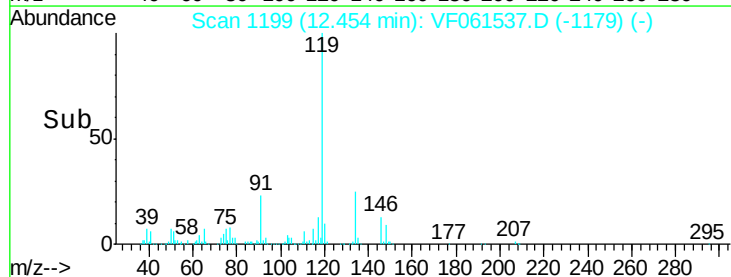
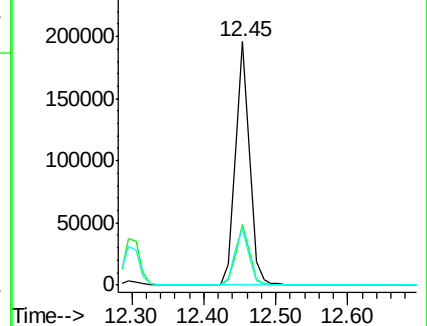
91 23.6 11.4 34.2

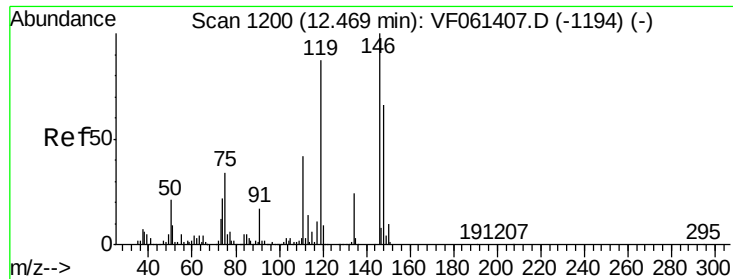


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0





#87

1,3-Dichlorobenzene

Concen: 20.102 ug/l

RT: 12.46 min Scan# 1200

Delta R.T. -0.00 min

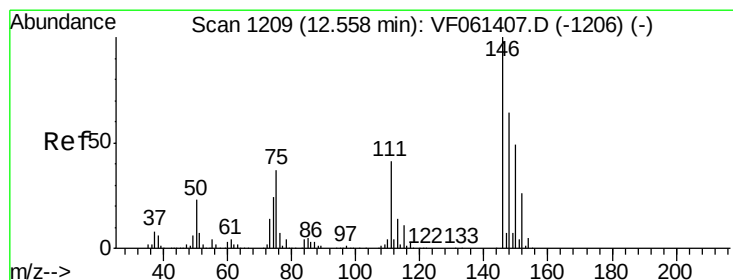
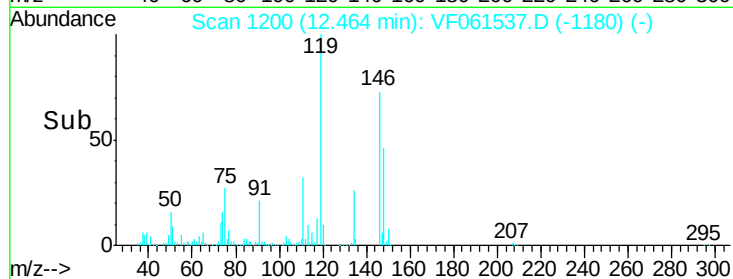
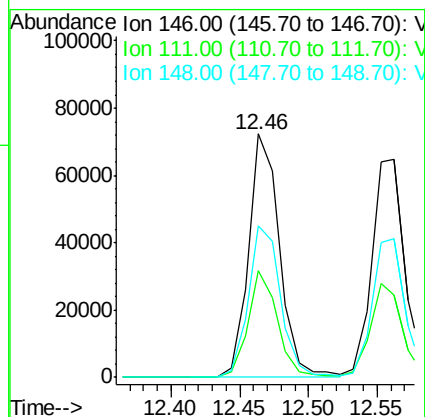
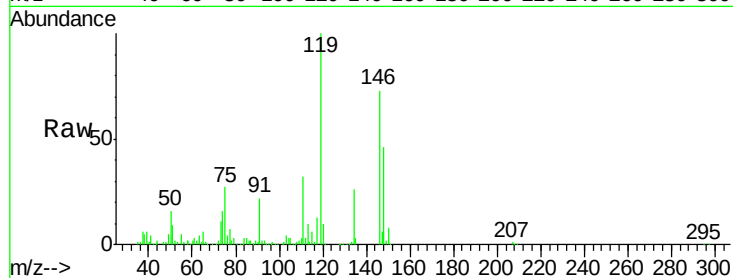
Lab File: VF061537.D

Acq: 28 Jan 2019 13:13

Instrument :
MSVOA_F
ClientSampleId :
VF0128SBSD01

Tot Ion:146 Resp: 114082

Ion	Ratio	Lower	Upper
146	100		
111	43.9	21.1	63.4
148	62.3	32.9	98.6



#88

1,4-Dichlorobenzene

Concen: 21.696 ug/l

RT: 12.56 min Scan# 1210

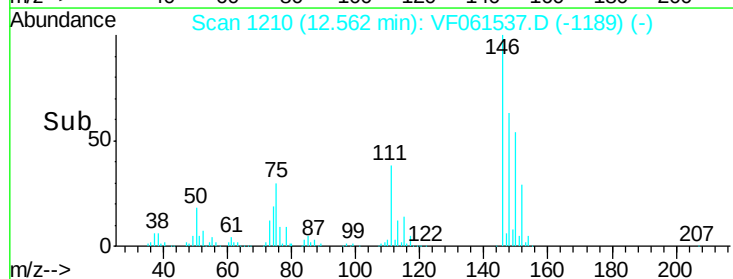
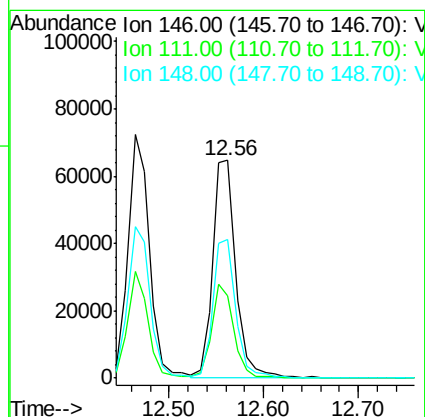
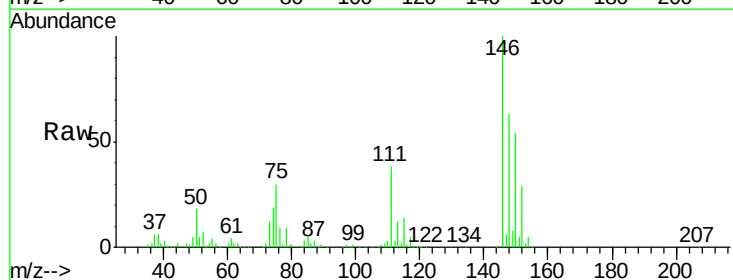
Delta R.T. 0.00 min

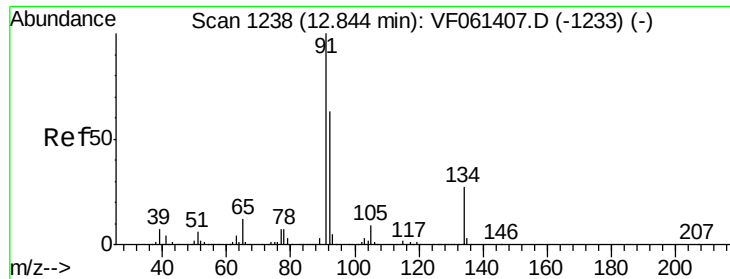
Lab File: VF061537.D

Acq: 28 Jan 2019 13:13

Tgt Ion:146 Resp: 110747

Ion	Ratio	Lower	Upper
146	100		
111	37.6	20.8	62.2
148	63.4	32.1	96.5

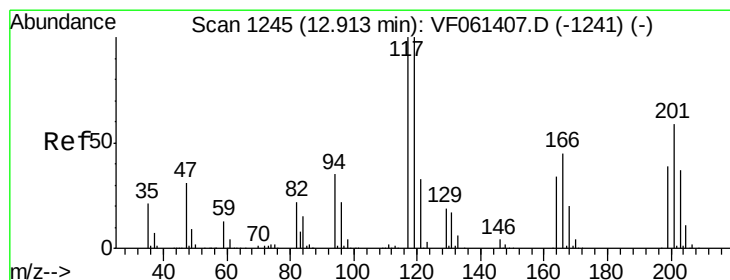
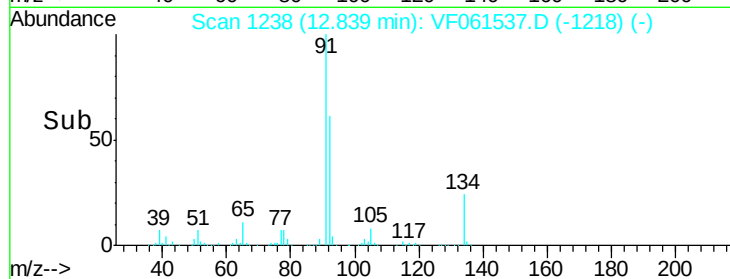
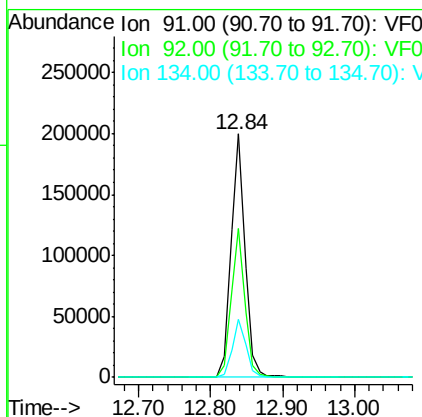
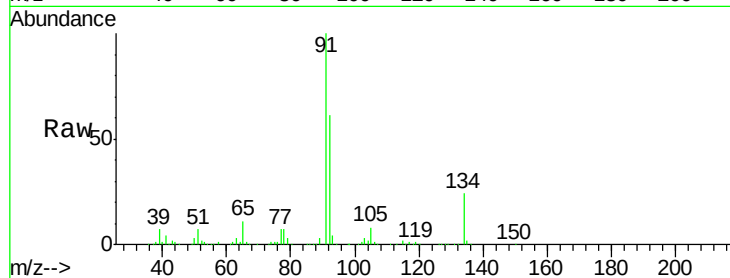




#89
n-Butylbenzene
Concen: 22.006 ug/l
RT: 12.84 min Scan# 1238
Delta R.T. -0.01 min
Lab File: VF061537.D
Acq: 28 Jan 2019 13:13

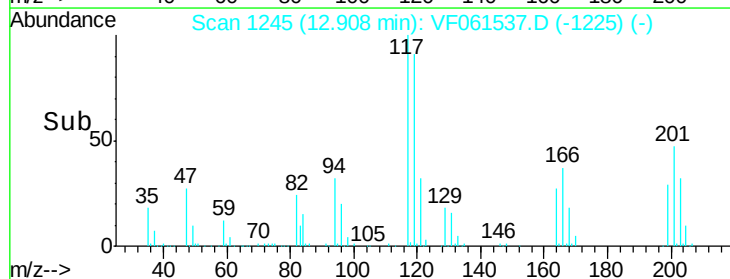
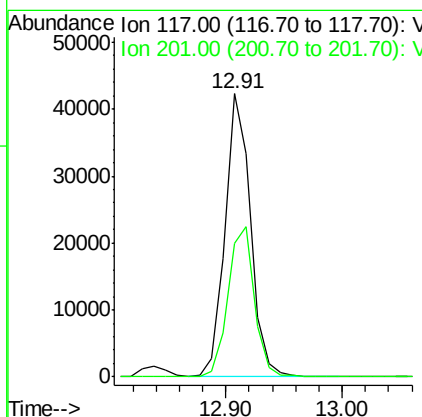
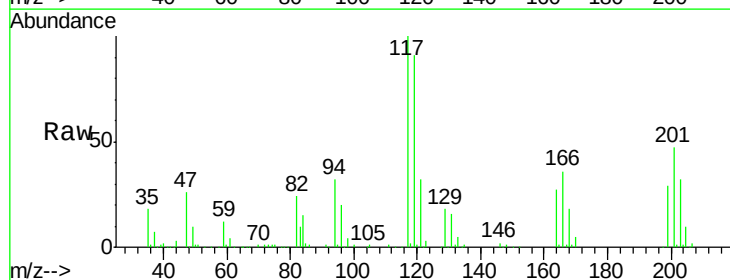
Instrument :
MSVOA_F
ClientSampleId :
VF0128SBS01

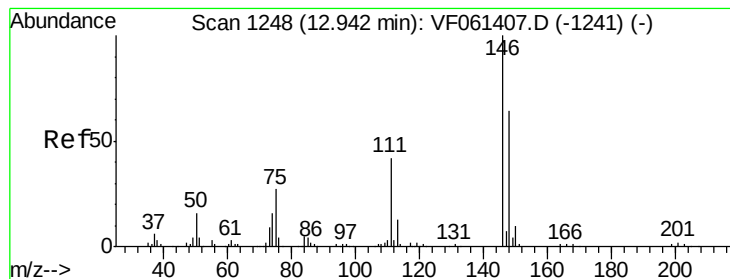
Tot Ion: 91 Resp: 270308
Ion Ratio Lower Upper
91 100
92 61.1 31.6 94.7
134 23.9 13.6 40.8



#90
Hexachloroethane
Concen: 22.843 ug/l
RT: 12.91 min Scan# 1245
Delta R.T. -0.01 min
Lab File: VF061537.D
Acq: 28 Jan 2019 13:13

Tgt Ion: 117 Resp: 64135
Ion Ratio Lower Upper
117 100
201 47.1 29.3 87.8





#91

1,2-Dichlorobenzene

Concen: 20.873 ug/l

RT: 12.94 min Scan# 1248

Delta R.T. -0.01 min

Lab File: VF061537.D

Acq: 28 Jan 2019 13:13

Instrument :

MSVOA_F

ClientSampleId :

VF0128SBS01

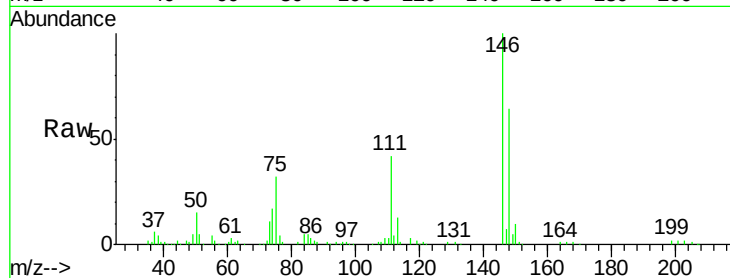
Tot Ion:146 Resp: 105477

Ion Ratio Lower Upper

146 100

111 42.2 21.1 63.3

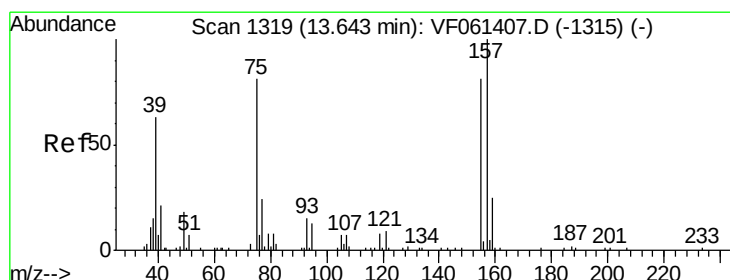
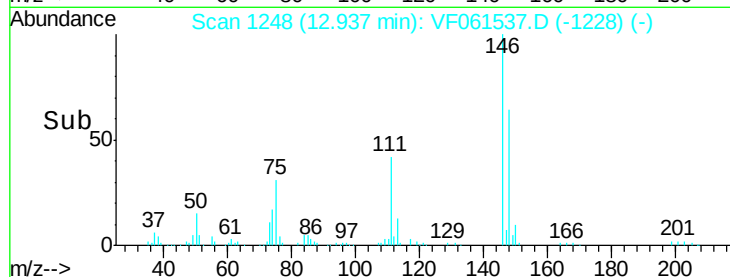
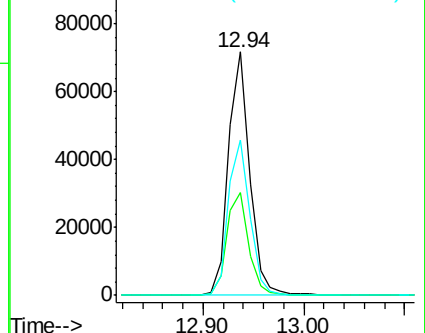
148 64.0 31.9 95.7



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 18.844 ug/l

RT: 13.64 min Scan# 1319

Delta R.T. -0.01 min

Lab File: VF061537.D

Acq: 28 Jan 2019 13:13

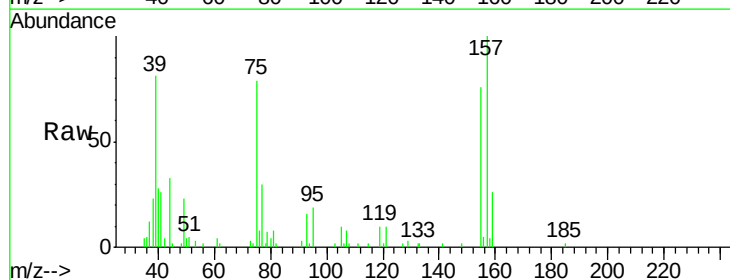
Tgt Ion: 75 Resp: 7616

Ion Ratio Lower Upper

75 100

155 95.9 49.7 149.1

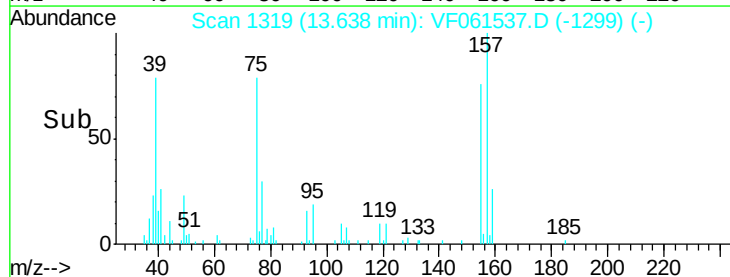
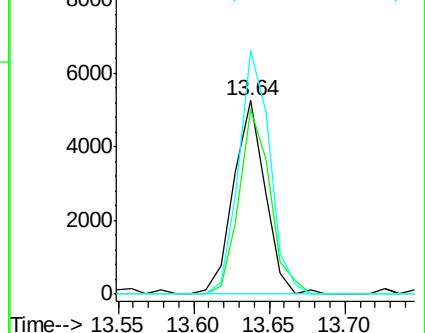
157 126.0 61.4 184.1

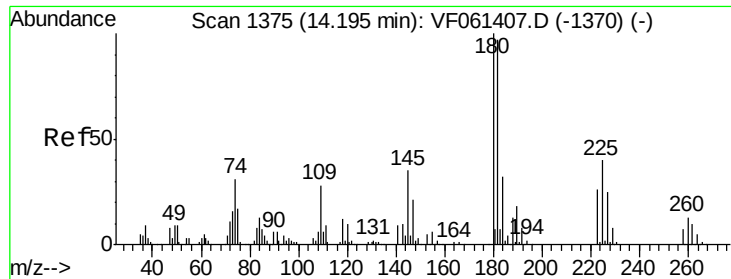


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

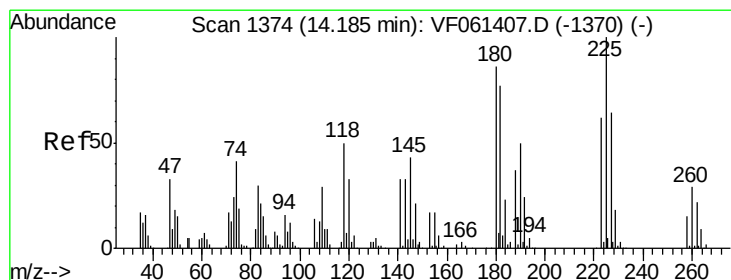
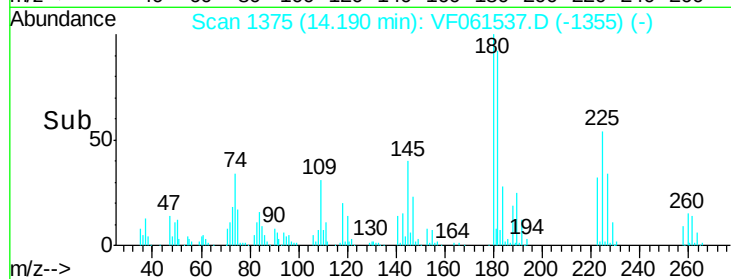
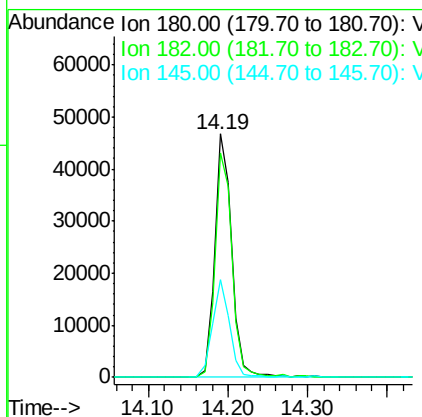
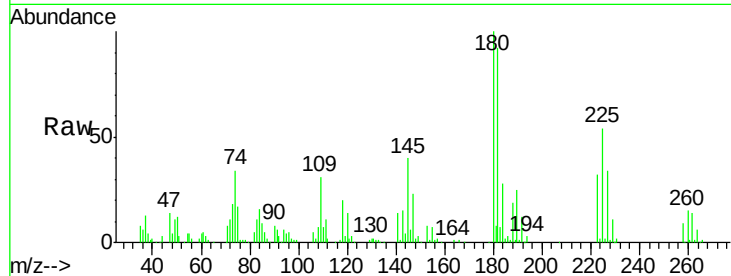




#93
 1,2,4-Trichlorobenzene
 Concen: 19.997 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. -0.01 min
 Lab File: VF061537.D
 Acq: 28 Jan 2019 13:13

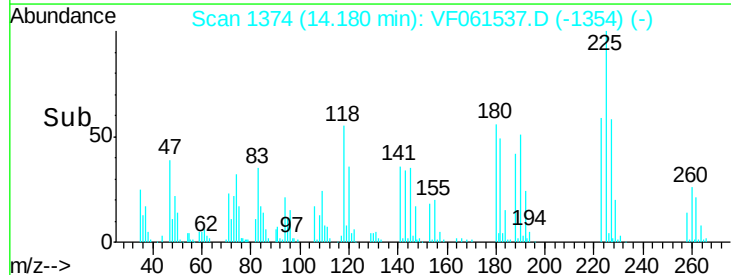
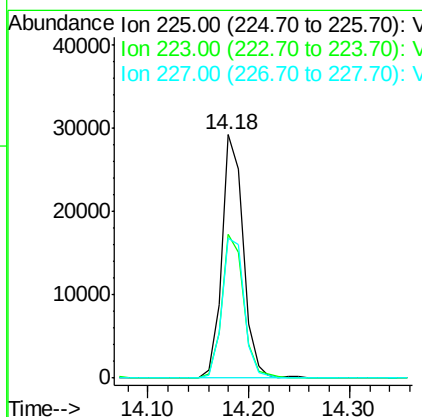
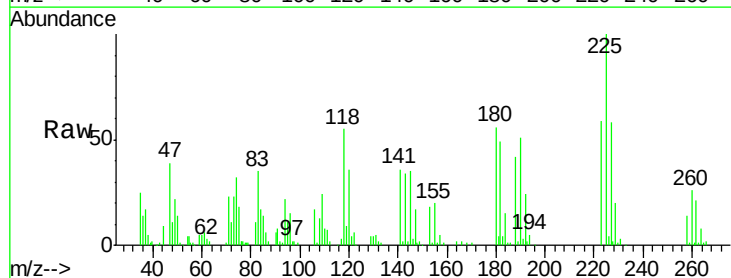
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0128SBSD01

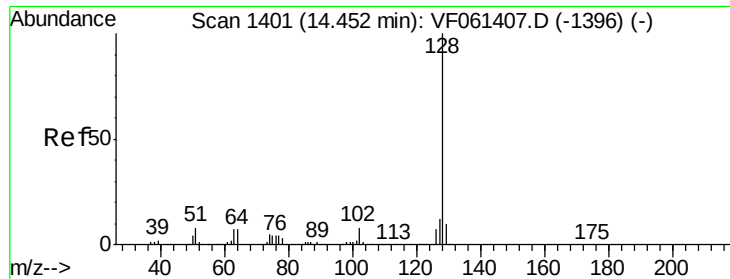
Tot Ion:180 Resp: 70787
 Ion Ratio Lower Upper
 180 100
 182 92.4 48.5 145.6
 145 40.2 17.5 52.6



#94
 Hexachlorobutadiene
 Concen: 19.608 ug/l
 RT: 14.18 min Scan# 1374
 Delta R.T. -0.01 min
 Lab File: VF061537.D
 Acq: 28 Jan 2019 13:13

Tgt Ion:225 Resp: 43072
 Ion Ratio Lower Upper
 225 100
 223 58.9 31.1 93.2
 227 57.7 32.2 96.6

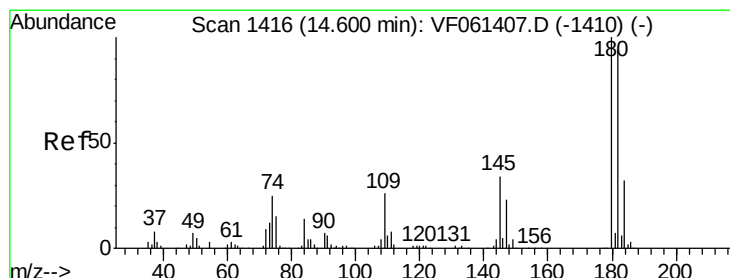
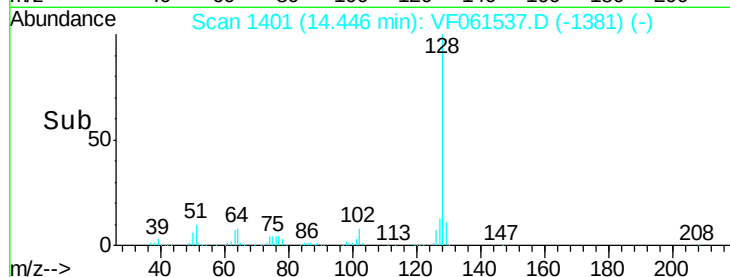
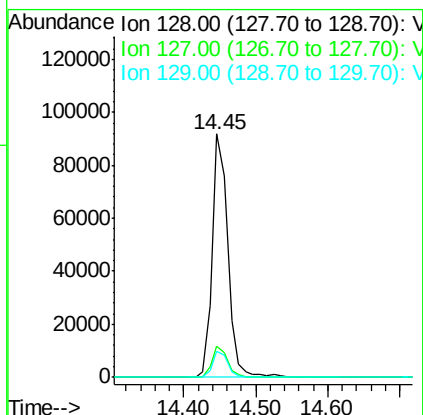
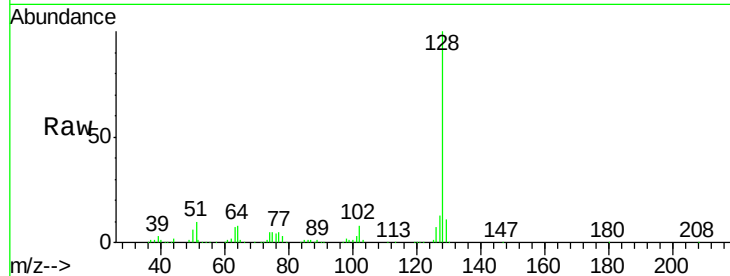




#95
Naphthalene
Concen: 20.481 ug/l
RT: 14.45 min Scan# 1401
Delta R.T. -0.01 min
Lab File: VF061537.D
Acq: 28 Jan 2019 13:13

Instrument :
MSVOA_F
ClientSampleId :
VF0128SBSD01

Tot Ion:128 Resp: 137745
Ion Ratio Lower Upper
128 100
127 12.6 9.5 14.3
129 10.8 8.4 12.6



#96
1,2,3-Trichlorobenzene
Concen: 20.252 ug/l
RT: 14.59 min Scan# 1416
Delta R.T. -0.01 min
Lab File: VF061537.D
Acq: 28 Jan 2019 13:13

Tgt Ion:180 Resp: 66366
Ion Ratio Lower Upper
180 100
182 96.2 47.0 141.2
145 37.1 17.1 51.2

