

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF011419\
 Data File : VF061384.D
 Acq On : 14 Jan 2019 12:25
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µ/5mL/MSVOA-F/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jan 14 21:38:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F010819S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 09 07:13:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.83	168	174508	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	5.57	114	302592	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.75	117	304164	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.53	152	140396	50.00	ug/l	-0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.81	65	109231	56.24	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	112.48%	
35) Dibromofluoromethane	4.07	113	123879	53.50	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	107.00%	
50) Toluene-d8	7.52	98	353793	51.64	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	103.28%	
62) 4-Bromofluorobenzene	11.39	95	152739	51.05	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	102.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.93	85	169353	52.611	ug/l	96
3) Chloromethane	1.07	50	124950	43.560	ug/l	93
4) Vinyl Chloride	1.12	62	112993	44.104	ug/l	96
5) Bromomethane	1.28	94	77465	38.585	ug/l	97
6) Chloroethane	1.37	64	53278	42.586	ug/l	90
7) Trichlorofluoromethane	1.45	101	214395	49.364	ug/l	95
8) Diethyl Ether	1.60	74	28776	45.120	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	1.80	101	105942	46.197	ug/l	96
10) Methyl Iodide	1.82	142	50581	14.078	ug/l	91
11) Tert butyl alcohol	2.53	59	24531	315.433	ug/l	95
12) 1,1-Dichloroethene	1.72	96	30266	16.504	ug/l	96
13) Acrolein	1.97	56	22747	270.733	ug/l	88
14) Allyl chloride	2.07	41	138969	41.460	ug/l	93
15) Acrylonitrile	2.91	53	56487	204.893	ug/l	96
16) Acetone	2.21	43	133884	296.305	ug/l	97
17) Carbon Disulfide	1.73	76	68362	11.286	ug/l	97
18) Methyl Acetate	2.31	43	40133	45.145	ug/l	99
19) Methyl tert-butyl Ether	2.39	73	175571	50.242	ug/l	98
20) Methylene Chloride	2.16	84	40338	21.102	ug/l	94
21) trans-1,2-Dichloroethene	2.28	96	85919	44.215	ug/l	96
22) Diisopropyl ether	2.77	45	291072	44.885	ug/l	97
23) Vinyl Acetate	3.15	43	623322	328.678	ug/l	99
24) 1,1-Dichloroethane	2.84	63	175370	46.751	ug/l	98
25) 2-Butanone	4.30	43	195639	269.016	ug/l	93
26) 2,2-Dichloropropane	3.56	77	113322	45.208	ug/l	98
27) cis-1,2-Dichloroethene	3.44	96	127699	47.068	ug/l	98
28) Bromochloromethane	3.69	49	76277	46.119	ug/l	93
29) Tetrahydrofuran	4.03	42	82047	269.834	ug/l	99
30) Chloroform	3.82	83	236727	49.713	ug/l	99
31) Cyclohexane	3.66	56	114572	29.114	ug/l	97
32) 1,1,1-Trichloroethane	4.05	97	185555	48.242	ug/l	96
36) 1,1-Dichloropropene	4.25	75	184892	52.325	ug/l	98
37) Ethyl Acetate	4.07	43	69903	54.324	ug/l #	70
38) Carbon Tetrachloride	3.95	117	164568	49.174	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.42	83	207435	46.917	ug/l	97
40) Benzene	4.59	78	399432	48.418	ug/l	98
41) Methacrylonitrile	4.71	41	37749	52.532	ug/l	95
42) 1,2-Dichloroethane	4.91	62	146375	56.991	ug/l	99
43) Isopropyl Acetate	6.93	43	91829	54.053	ug/l #	99
44) Trichloroethene	5.47	130	130106	53.890	ug/l	94
45) 1,2-Dichloropropane	6.21	63	105741	50.404	ug/l	97
46) Dibromomethane	6.05	93	71084	55.187	ug/l	92
47) Bromodichloromethane	6.36	83	184156	57.487	ug/l	96
48) Methyl methacrylate	6.68	41	58218	52.795	ug/l	91
49) 1,4-Dioxane	6.68	88	10281	1477.581	ug/l	94
51) 4-Methyl-2-Pentanone	8.23	43	337552	263.241	ug/l	99
52) Toluene	7.59	92	277542	52.342	ug/l	99
53) t-1,3-Dichloropropene	8.25	75	139815	55.576	ug/l	100
54) cis-1,3-Dichloropropene	7.28	75	189246	56.735	ug/l	100
55) 1,1,2-Trichloroethane	8.47	97	83834	56.500	ug/l	98
56) Ethyl methacrylate	8.60	69	93026	56.096	ug/l	96
57) 1,3-Dichloropropane	8.82	76	150679	57.380	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.27	63	25589	362.092	ug/l #	90
59) 2-Hexanone	9.47	43	264545	291.207	ug/l	100
60) Dibromochloromethane	8.69	129	117538	59.489	ug/l	98
61) 1,2-Dibromoethane	8.96	107	86646	57.286	ug/l	99
64) Tetrachloroethene	8.12	164	111869	50.515	ug/l	99
65) Chlorobenzene	9.77	112	307022	49.986	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.91	131	120333	48.013	ug/l	93
67) Ethyl Benzene	9.88	91	526082	44.423	ug/l	96
68) m/p-Xylenes	10.11	106	384912	93.178	ug/l	100
69) o-Xylene	10.70	106	209742	45.452	ug/l	98
70) Styrene	10.77	104	285852	46.500	ug/l	99
71) Bromoform	10.75	173	59137	57.737	ug/l	98
73) Isopropylbenzene	11.10	105	653665	52.911	ug/l	98
74) N-amyl acetate	11.36	43	153784	54.760	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.68	83	104859	53.532	ug/l	98
76) 1,2,3-Trichloropropane	11.77	75	77388	53.866	ug/l	97
77) Bromobenzene	11.48	156	131486	53.498	ug/l	95
78) n-propylbenzene	11.58	91	707317	48.020	ug/l	99
79) 2-Chlorotoluene	11.71	91	409321	49.877	ug/l	99
80) 1,3,5-Trimethylbenzene	11.81	105	501098	50.975	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.85	75	47265	75.285	ug/l	98
82) 4-Chlorotoluene	11.88	91	407144	48.824	ug/l	97
83) tert-Butylbenzene	12.12	119	520864	53.183	ug/l	97
84) 1,2,4-Trimethylbenzene	12.19	105	504033	51.644	ug/l	96
85) sec-Butylbenzene	12.30	105	679174	48.703	ug/l	98
86) p-Isopropyltoluene	12.45	119	578390	50.993	ug/l	99
87) 1,3-Dichlorobenzene	12.46	146	241066	50.225	ug/l	98
88) 1,4-Dichlorobenzene	12.55	146	240731	52.170	ug/l	96
89) n-Butylbenzene	12.83	91	589671	50.597	ug/l	99
90) Hexachloroethane	12.90	117	145496	56.077	ug/l	90
91) 1,2-Dichlorobenzene	12.93	146	227550	49.670	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.63	75	19532	59.015	ug/l	81

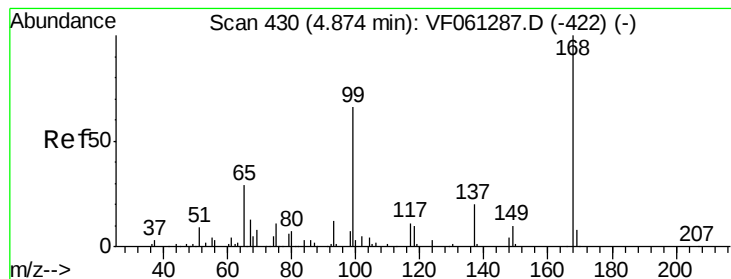
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	163556	51.880	ug/l	95
94) Hexachlorobutadiene	14.18	225	104269	51.375	ug/l	97
95) Naphthalene	14.45	128	323107	54.385	ug/l	99
96) 1,2,3-Trichlorobenzene	14.59	180	154345	51.973	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.83 min Scan# 426

Delta R.T. -0.04 min

Lab File: VF061384.D

Acq: 14 Jan 2019 12:25

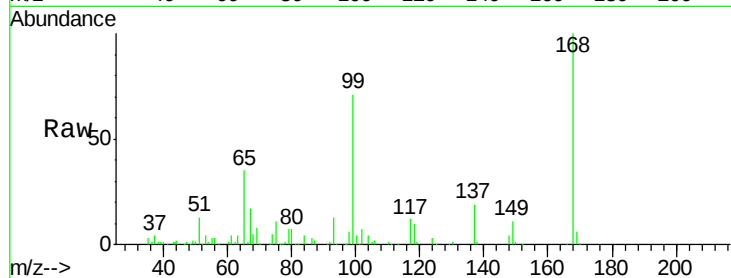
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 174508

Ion Ratio Lower Upper

168 100

99 70.5 52.7 79.1



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.83

60000

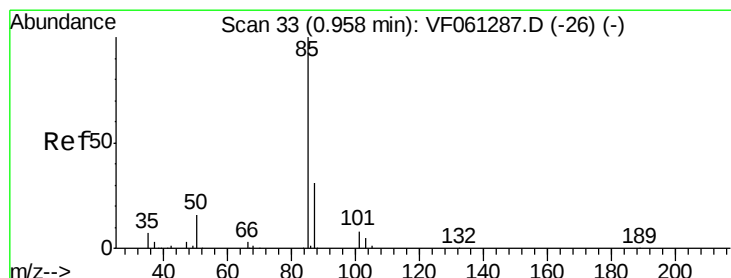
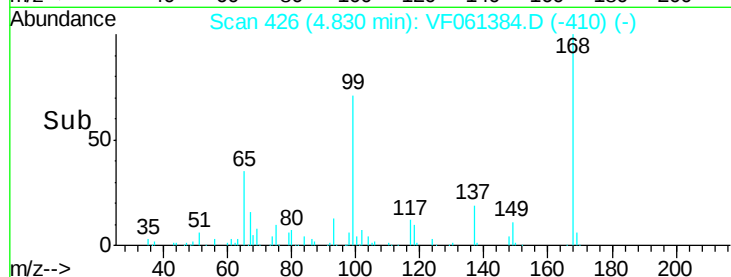
40000

20000

0

4.70 4.80 4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 52.611 ug/l

RT: 0.93 min Scan# 31

Delta R.T. -0.02 min

Lab File: VF061384.D

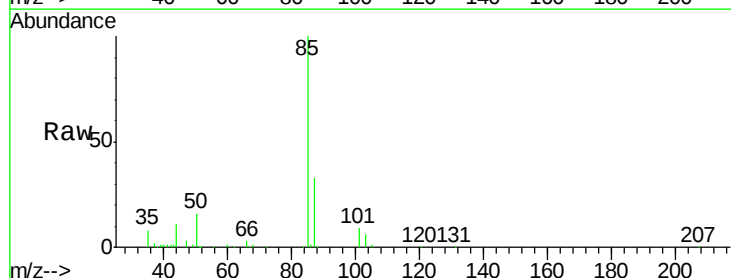
Acq: 14 Jan 2019 12:25

Tgt Ion: 85 Resp: 169353

Ion Ratio Lower Upper

85 100

87 32.8 15.4 46.2



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.93

50000

40000

30000

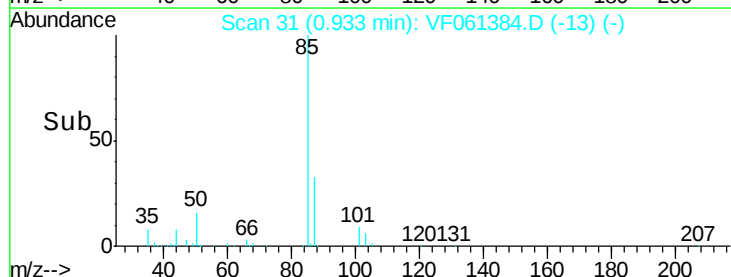
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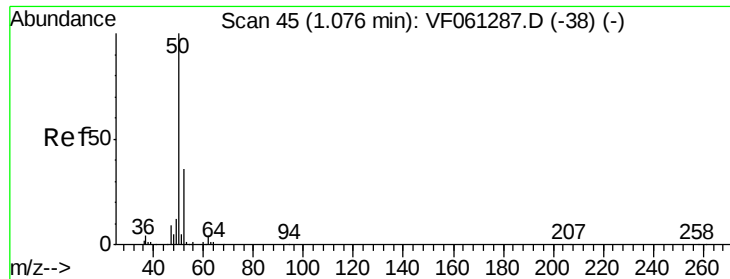
10000

0

0.80 0.90 1.00 1.10 1.20

Time-->





#3

Chloromethane

Concen: 43.560 ug/l

RT: 1.07 min Scan# 45

Delta R.T. -0.00 min

Lab File: VF061384.D

Acq: 14 Jan 2019 12:25

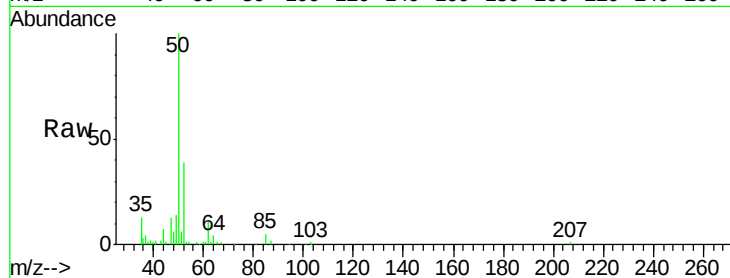
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 50 Resp: 124950

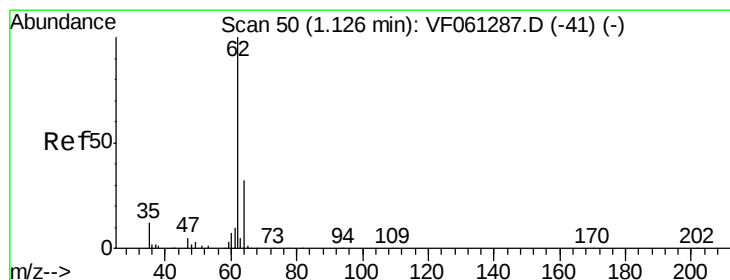
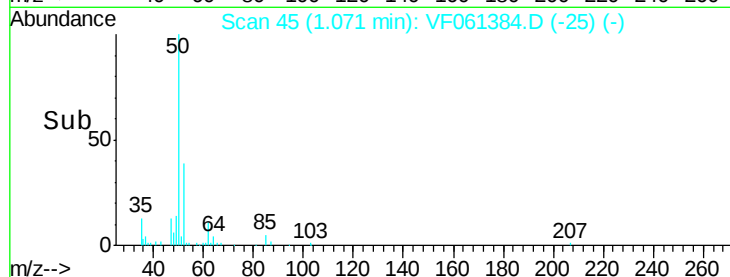
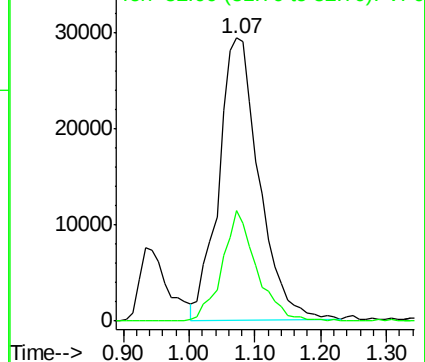
Ion Ratio Lower Upper

50 100

52 39.0 28.2 42.2



Abundance Ion 50.00 (49.70 to 50.70): VF0
Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 44.104 ug/l

RT: 1.12 min Scan# 50

Delta R.T. -0.00 min

Lab File: VF061384.D

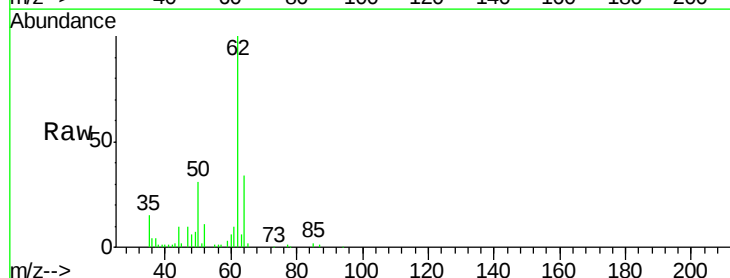
Acq: 14 Jan 2019 12:25

Tgt Ion: 62 Resp: 112993

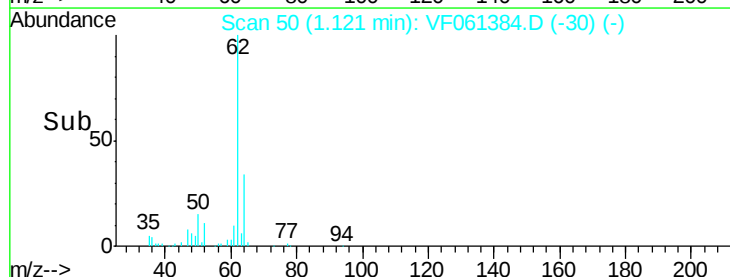
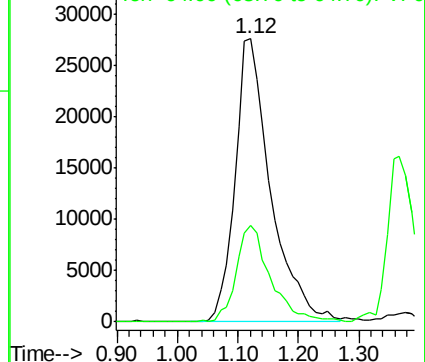
Ion Ratio Lower Upper

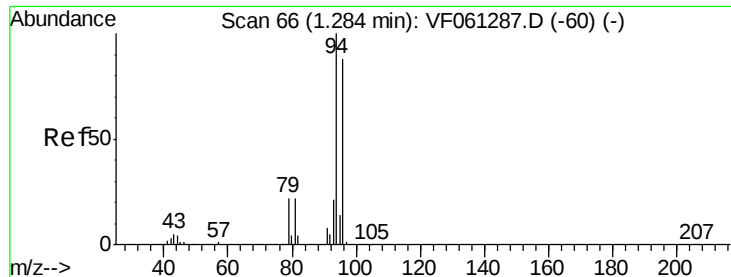
62 100

64 33.9 25.4 38.0



Abundance Ion 62.00 (61.70 to 62.70): VF0
Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 38.585 ug/l

RT: 1.28 min Scan# 66

Delta R.T. -0.00 min

Lab File: VF061384.D

Acq: 14 Jan 2019 12:25

Instrument :

MSVOA_F

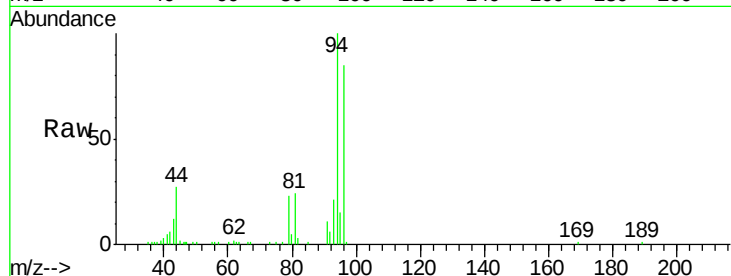
ClientSampleId :

Tot Ion: 94 Resp: 77465

Ion Ratio Lower Upper

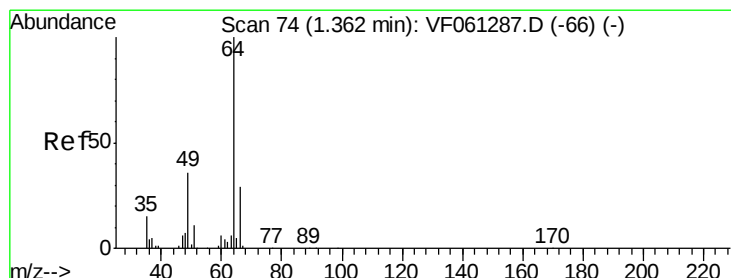
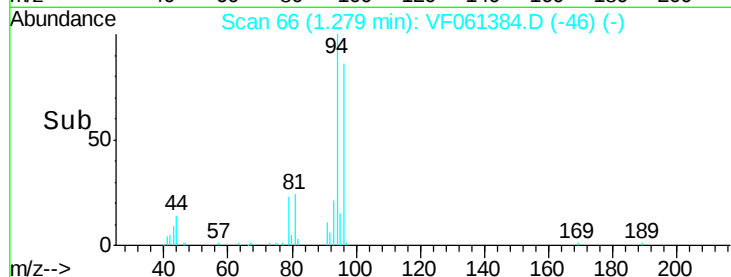
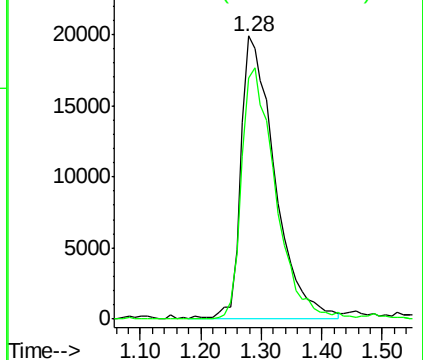
94 100

96 85.1 70.2 105.4



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 42.586 ug/l

RT: 1.37 min Scan# 75

Delta R.T. 0.00 min

Lab File: VF061384.D

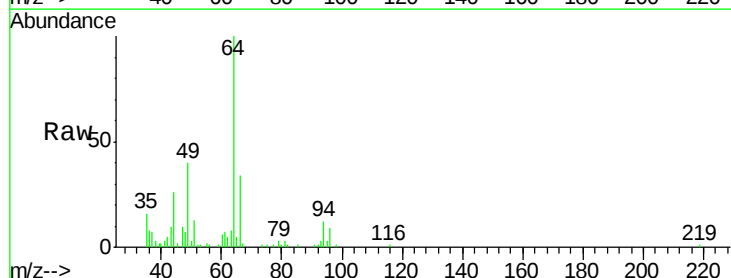
Acq: 14 Jan 2019 12:25

Tgt Ion: 64 Resp: 53278

Ion Ratio Lower Upper

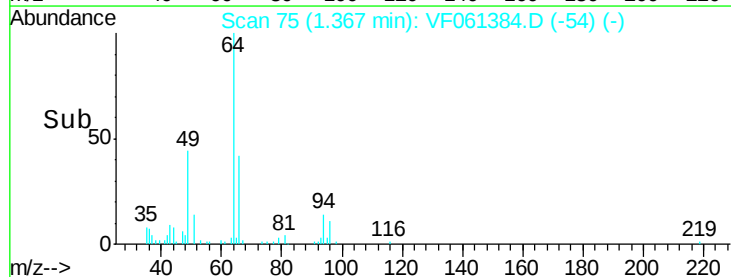
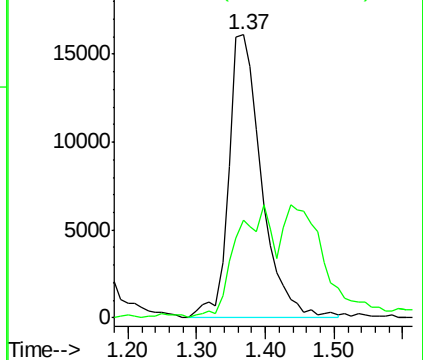
64 100

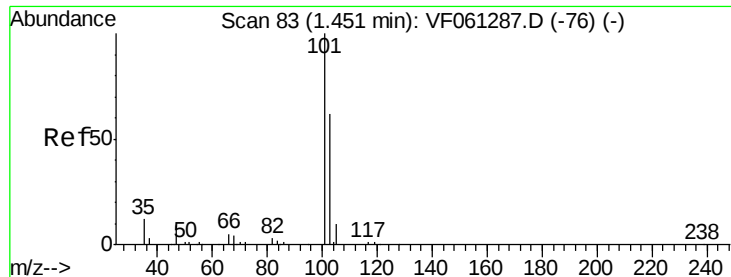
66 34.5 23.4 35.0



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0



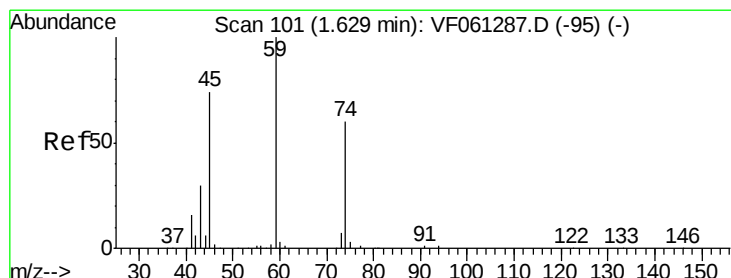
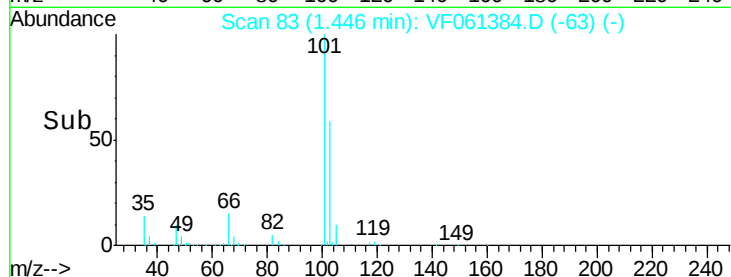
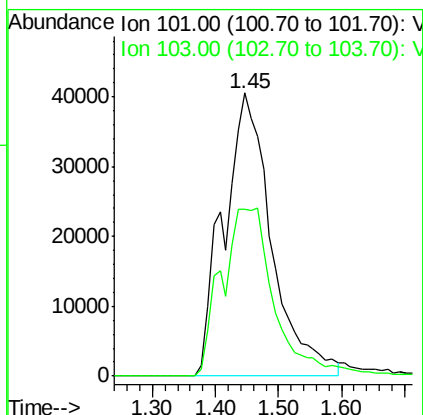
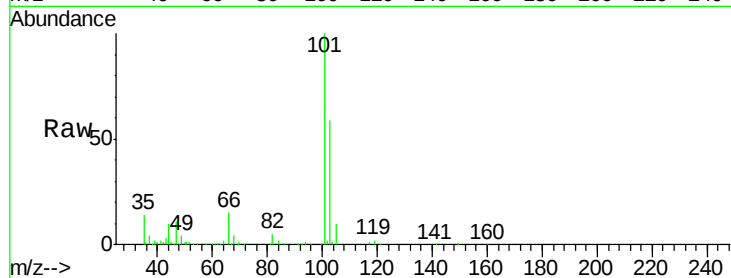


#7

Trichlorofluoromethane
Concen: 49.364 ug/l
RT: 1.45 min Scan# 83
Delta R.T. -0.00 min
Lab File: VF061384.D
Acq: 14 Jan 2019 12:25

Instrument :
MSVOA_F
ClientSampleId :

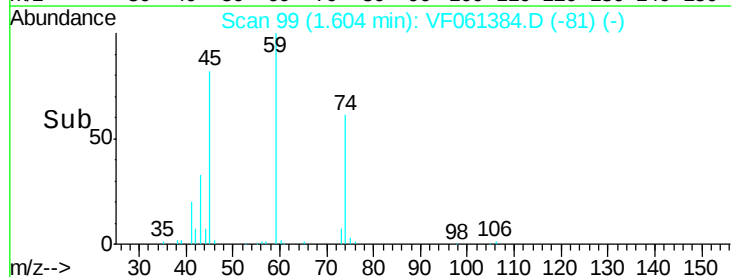
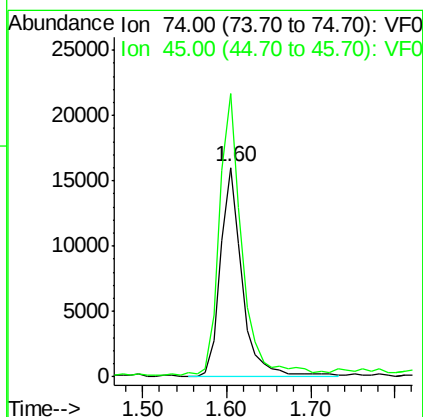
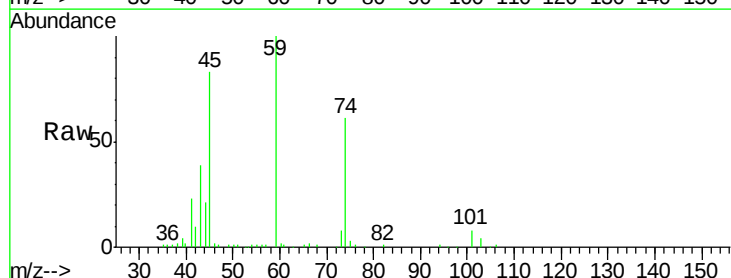
Tot Ion:101 Resp: 214395
Ion Ratio Lower Upper
101 100
103 58.9 49.9 74.9

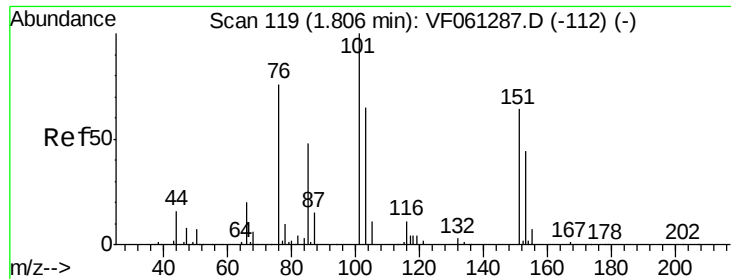


#8

Diethyl Ether
Concen: 45.120 ug/l
RT: 1.60 min Scan# 99
Delta R.T. -0.02 min
Lab File: VF061384.D
Acq: 14 Jan 2019 12:25

Tgt Ion: 74 Resp: 28776
Ion Ratio Lower Upper
74 100
45 135.3 62.1 186.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.197 ug/l

RT: 1.80 min Scan# 119

Delta R.T. -0.00 min

Lab File: VF061384.D

Acq: 14 Jan 2019 12:25

Instrument :

MSVOA_F

ClientSampleId :

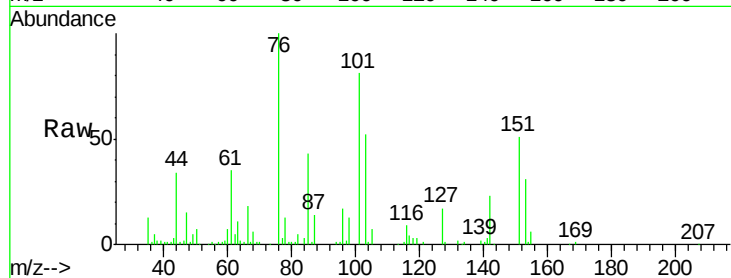
Tot Ion:101 Resp: 105942

Ion Ratio Lower Upper

101 100

85 52.7 38.4 57.6

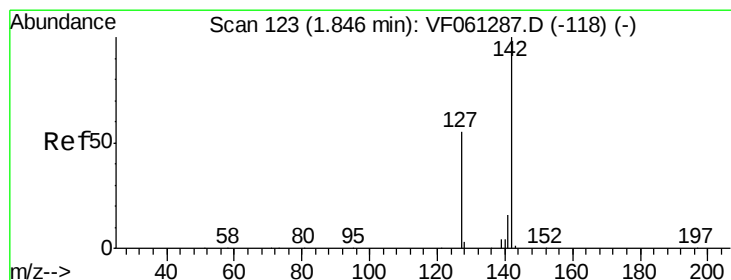
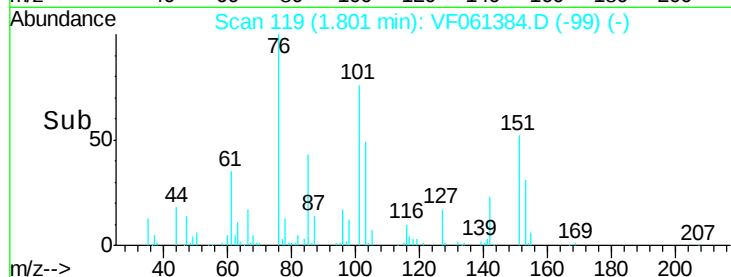
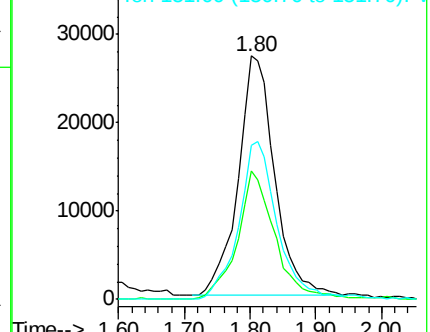
151 63.3 51.4 77.2



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: 14.078 ug/l

RT: 1.82 min Scan# 121

Delta R.T. -0.02 min

Lab File: VF061384.D

Acq: 14 Jan 2019 12:25

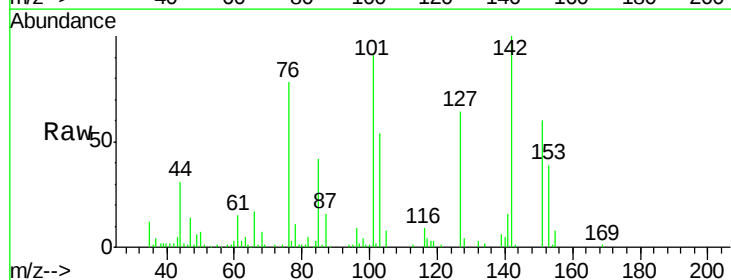
Tgt Ion:142 Resp: 50581

Ion Ratio Lower Upper

142 100

127 63.7 44.3 66.5

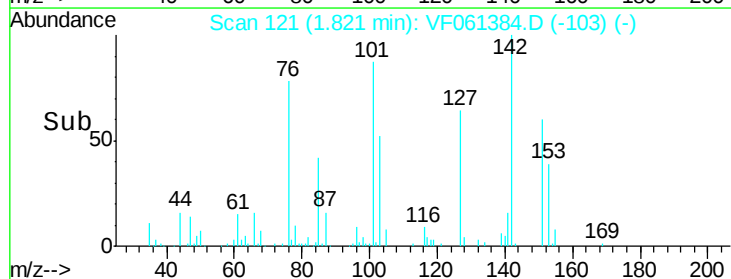
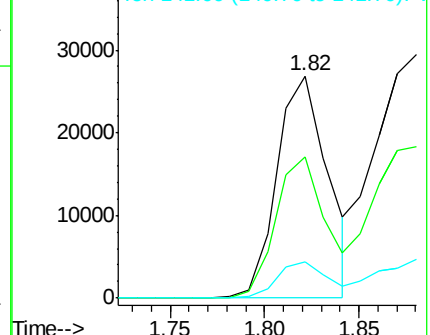
141 16.4 13.2 19.8

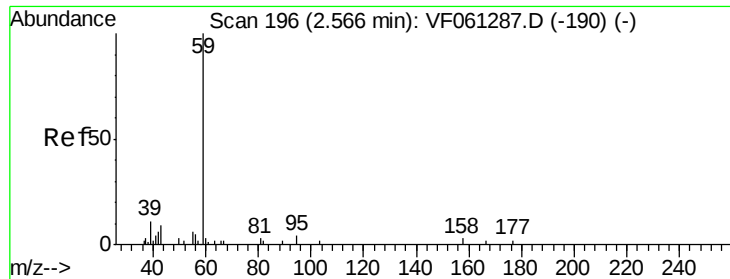


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V

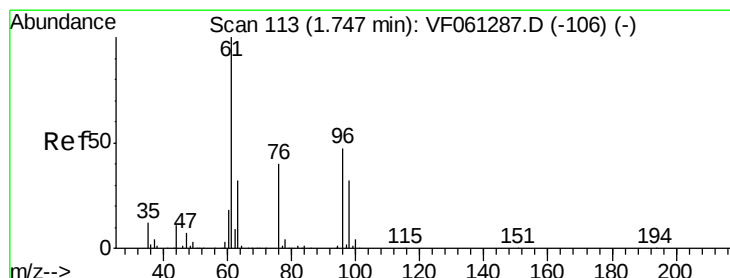
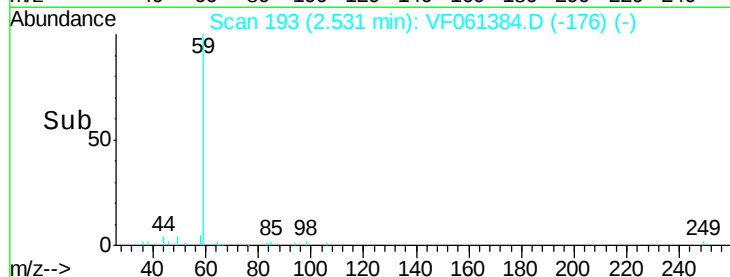
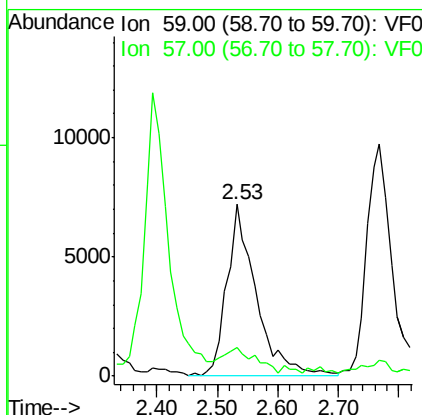
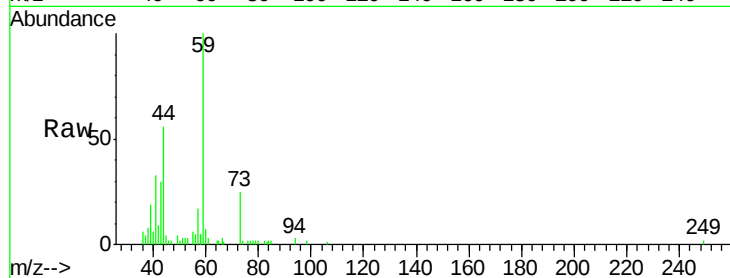




#11
Tert butyl alcohol
Concen: 315.433 ug/l
RT: 2.53 min Scan# 193
Delta R.T. -0.03 min
Lab File: VF061384.D
Acq: 14 Jan 2019 12:25

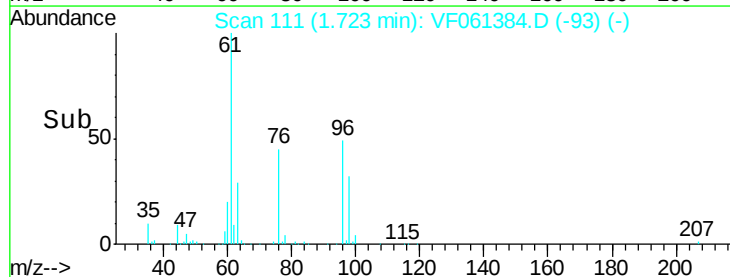
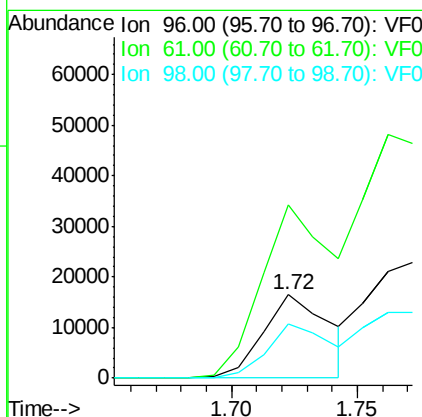
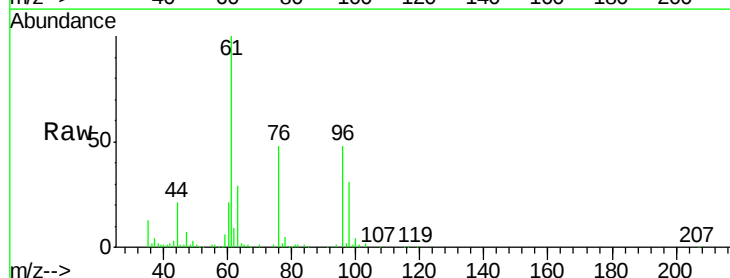
Instrument :
MSVOA_F
ClientSampled :

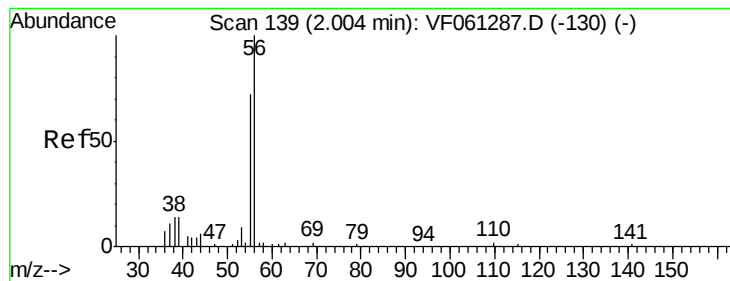
Tot Ion: 59 Resp: 24531
Ion Ratio Lower Upper
59 100
57 16.7 15.1 22.7



#12
1,1-Dichloroethene
Concen: 16.504 ug/l
RT: 1.72 min Scan# 111
Delta R.T. -0.02 min
Lab File: VF061384.D
Acq: 14 Jan 2019 12:25

Tgt Ion: 96 Resp: 30266
Ion Ratio Lower Upper
96 100
61 207.4 171.8 257.8
98 64.9 54.2 81.4





#13

Acrolein

Concen: 270.733 ug/l

RT: 1.97 min Scan# 136

Delta R.T. -0.03 min

Lab File: VF061384.D

Acq: 14 Jan 2019 12:25

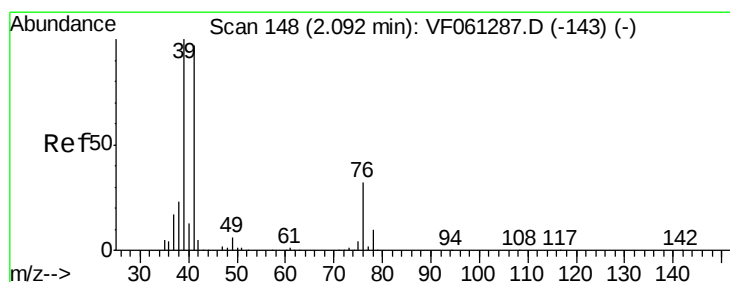
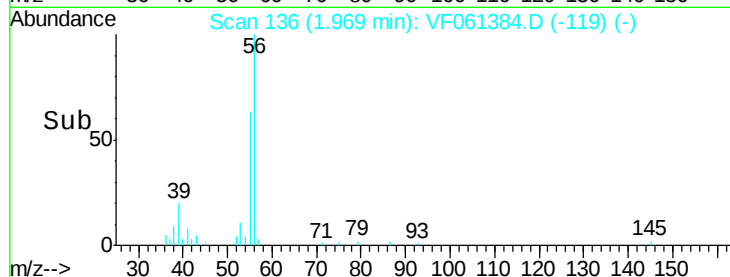
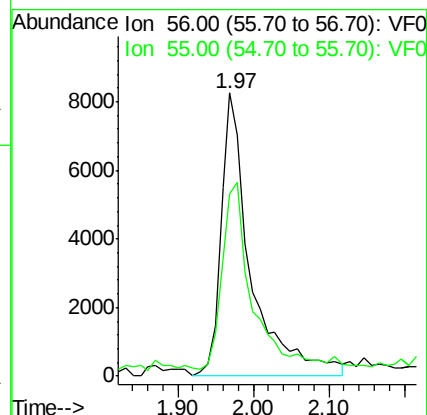
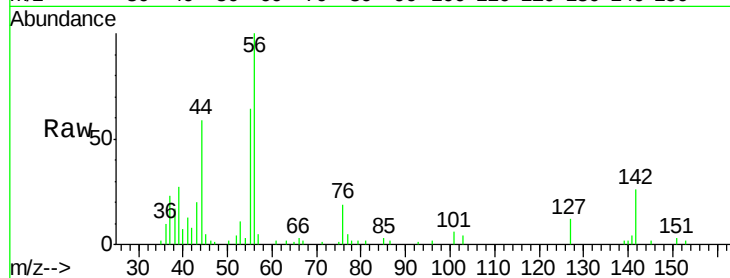
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 56 Resp: 22747

Ion Ratio Lower Upper

56 100

55 64.3 59.4 89.0



#14

Allyl chloride

Concen: 41.460 ug/l

RT: 2.07 min Scan# 146

Delta R.T. -0.02 min

Lab File: VF061384.D

Acq: 14 Jan 2019 12:25

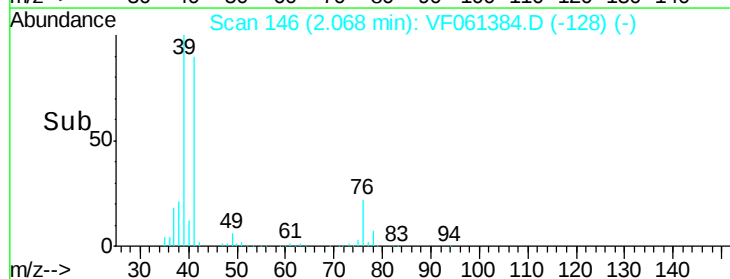
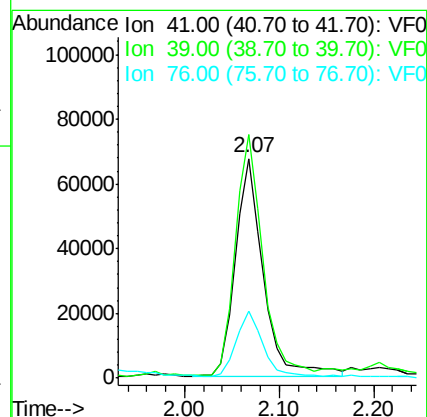
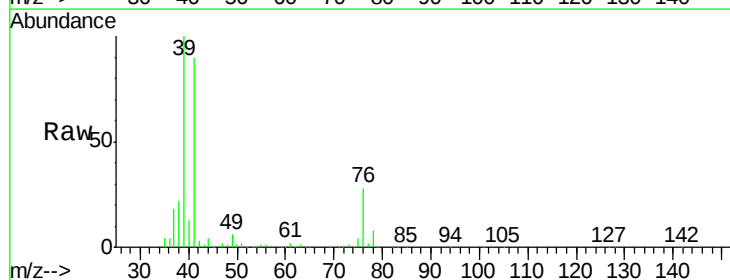
Tgt Ion: 41 Resp: 138969

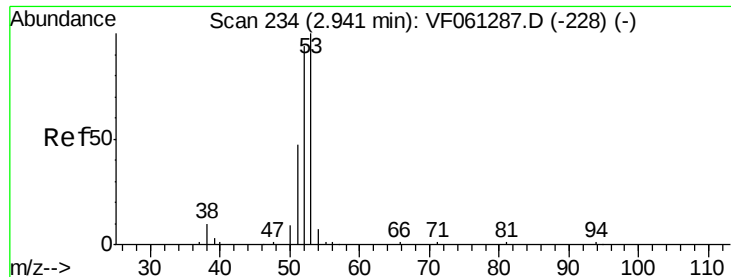
Ion Ratio Lower Upper

41 100

39 110.8 82.6 123.8

76 30.7 26.9 40.3





#15

Acrylonitrile

Concen: 204.893 ug/l

RT: 2.91 min Scan# 231

Delta R.T. -0.03 min

Lab File: VF061384.D

Acq: 14 Jan 2019 12:25

Instrument :

MSVOA_F

ClientSampleId :

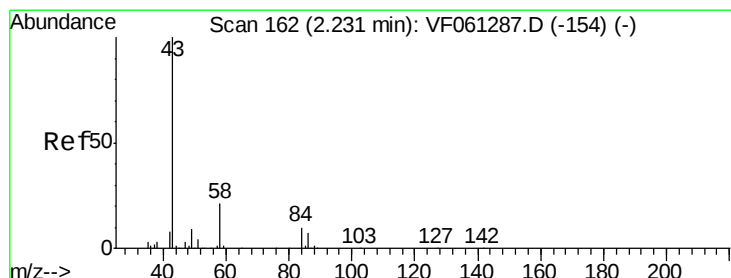
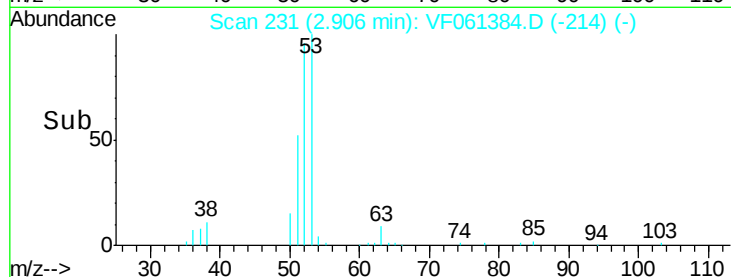
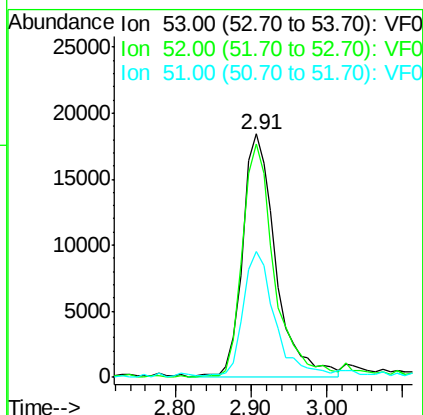
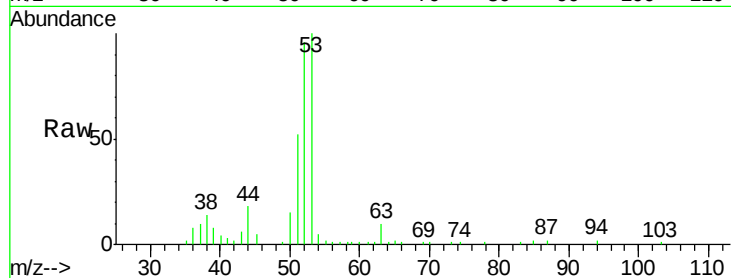
Tot Ion: 53 Resp: 56487

Ion Ratio Lower Upper

53 100

52 96.1 74.6 111.8

51 51.7 37.8 56.6



#16

Acetone

Concen: 296.305 ug/l

RT: 2.21 min Scan# 160

Delta R.T. -0.02 min

Lab File: VF061384.D

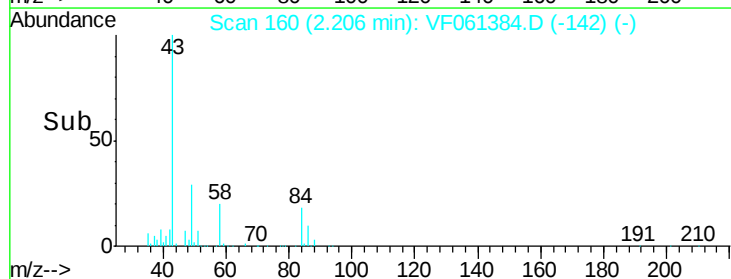
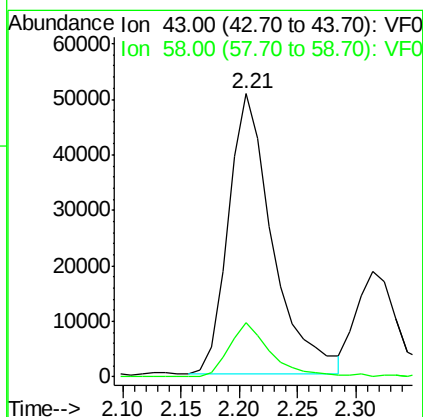
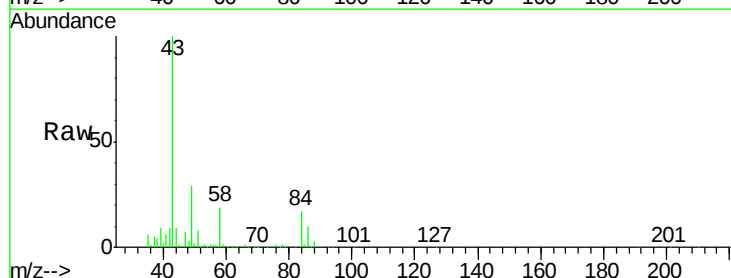
Acq: 14 Jan 2019 12:25

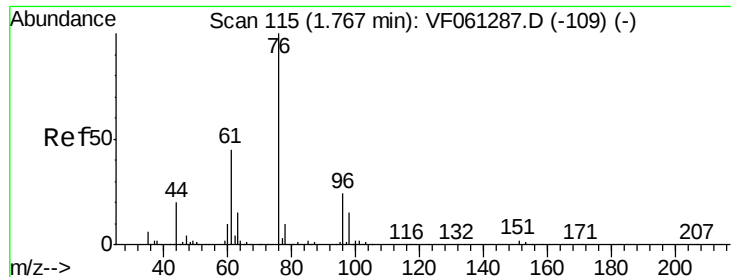
Tgt Ion: 43 Resp: 133884

Ion Ratio Lower Upper

43 100

58 19.2 16.6 25.0

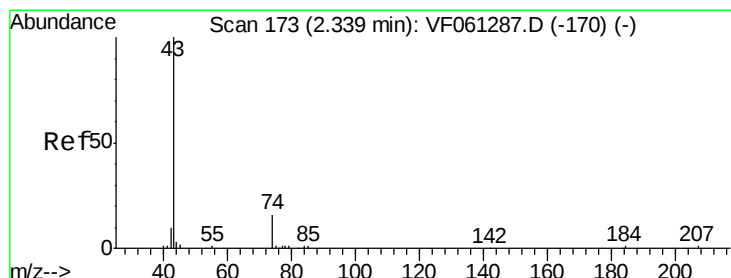
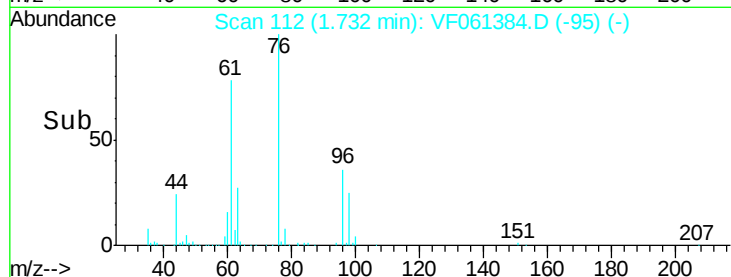
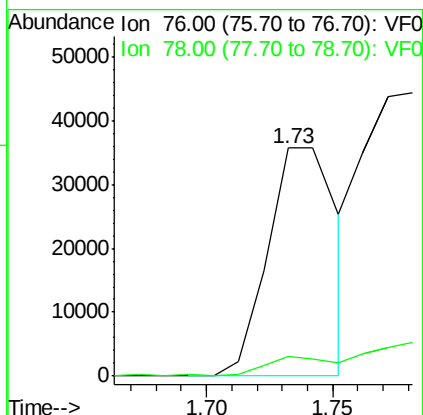
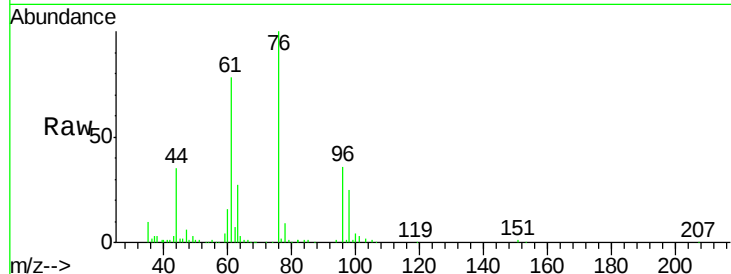




#17
Carbon Disulfide
Concen: 11.286 ug/l
RT: 1.73 min Scan# 112
Delta R.T. -0.03 min
Lab File: VF061384.D
Acq: 14 Jan 2019 12:25

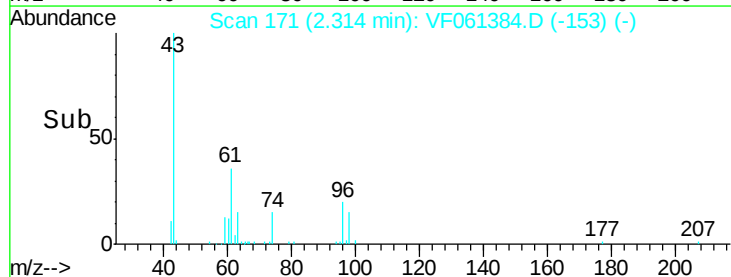
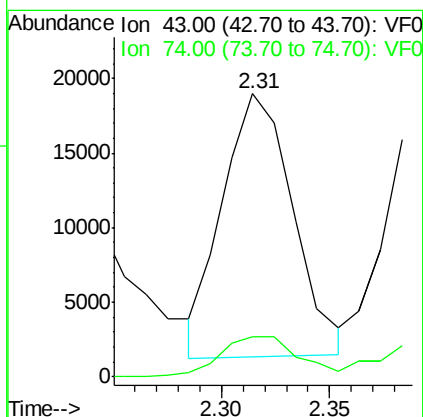
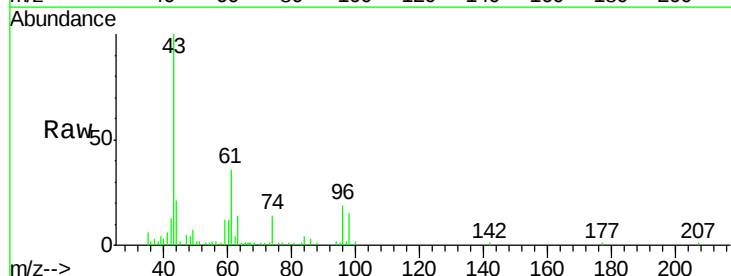
Instrument :
MSVOA_F
ClientSampleId :

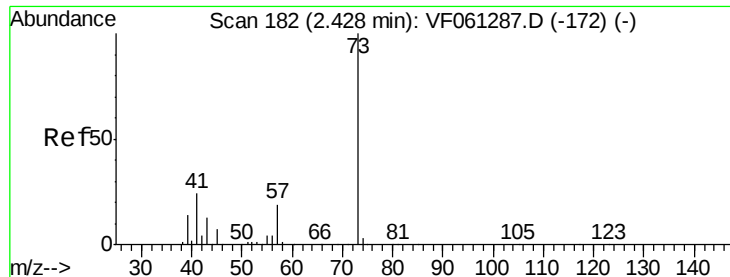
Tot Ion: 76 Resp: 68362
Ion Ratio Lower Upper
76 100
78 8.7 7.8 11.6



#18
Methyl Acetate
Concen: 45.145 ug/l
RT: 2.31 min Scan# 171
Delta R.T. -0.02 min
Lab File: VF061384.D
Acq: 14 Jan 2019 12:25

Tgt Ion: 43 Resp: 40133
Ion Ratio Lower Upper
43 100
74 14.3 11.6 17.4

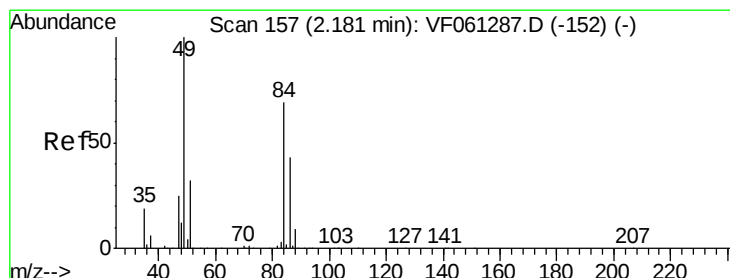
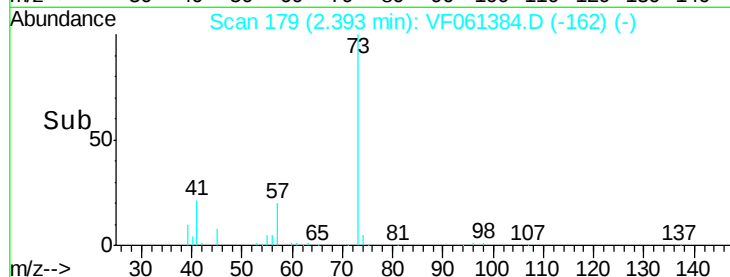
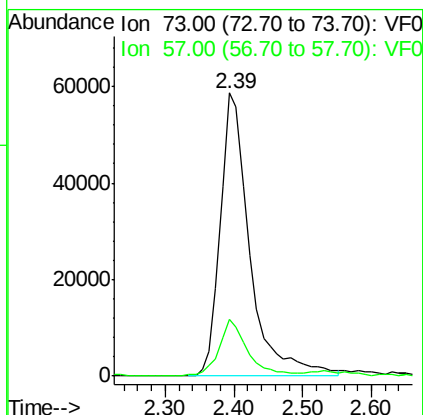
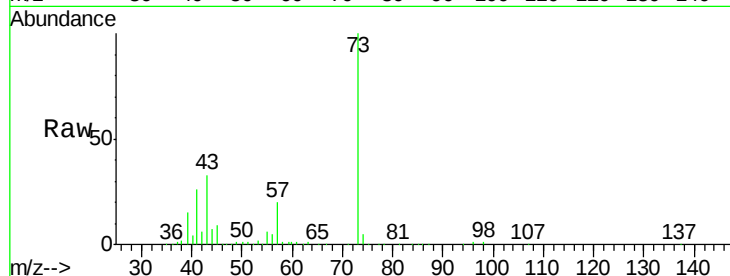




#19
Methvl tert-butvl Ether
Concen: 50.242 ug/l
RT: 2.39 min Scan# 179
Delta R.T. -0.03 min
Lab File: VF061384.D
Acq: 14 Jan 2019 12:25

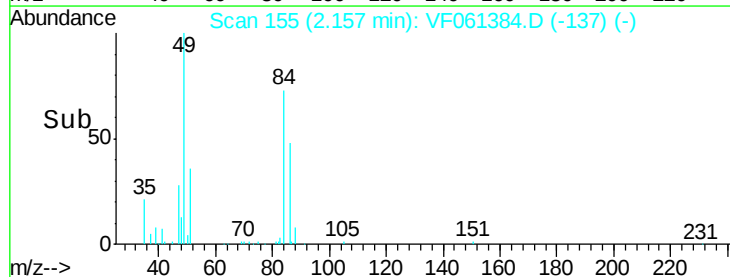
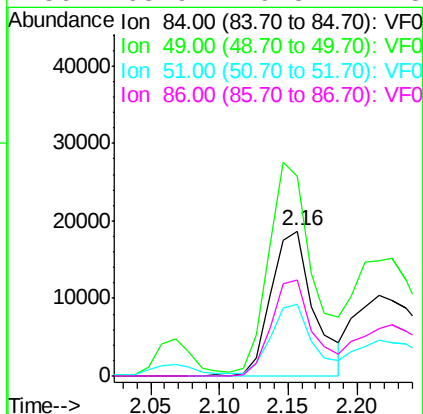
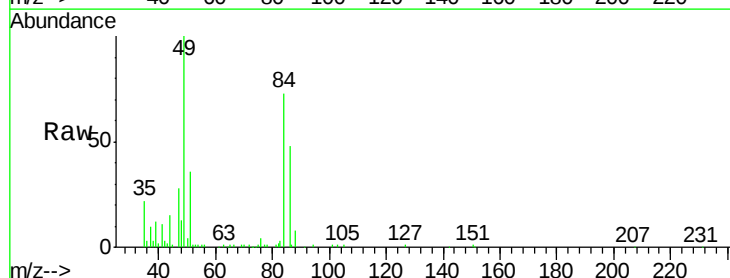
Instrument :
MSVOA_F
ClientSampleId :

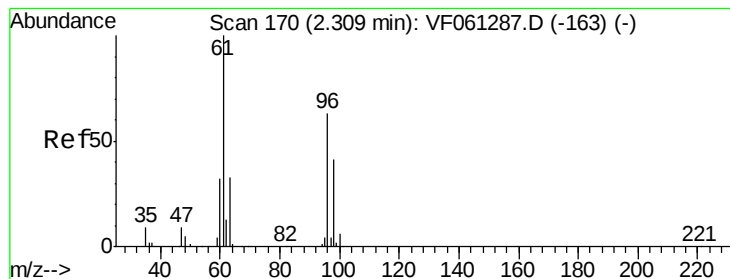
Tot Ion: 73 Resp: 175571
Ion Ratio Lower Upper
73 100
57 20.2 15.5 23.3



#20
Methylene Chloride
Concen: 21.102 ug/l
RT: 2.16 min Scan# 155
Delta R.T. -0.02 min
Lab File: VF061384.D
Acq: 14 Jan 2019 12:25

Tgt Ion: 84 Resp: 40338
Ion Ratio Lower Upper
84 100
49 137.3 116.6 175.0
51 49.1 37.7 56.5
86 65.9 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 44.215 ug/l

RT: 2.28 min Scan# 168

Delta R.T. -0.02 min

Lab File: VF061384.D

Acq: 14 Jan 2019 12:25

Instrument :
MSVOA_F
ClientSampleId :

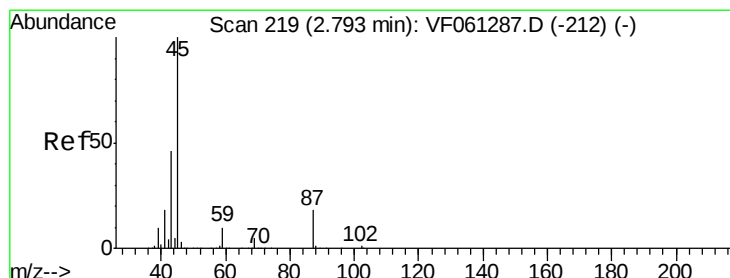
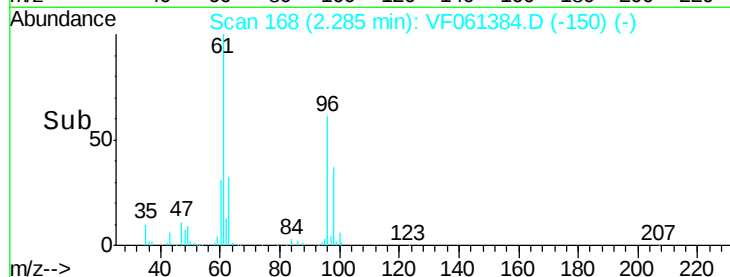
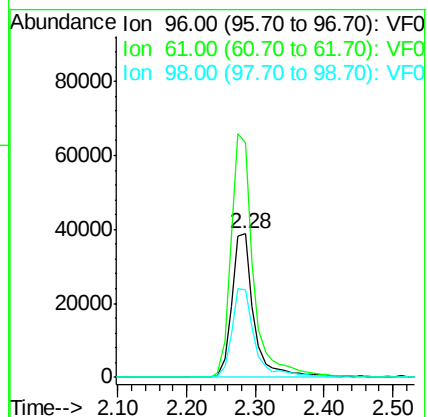
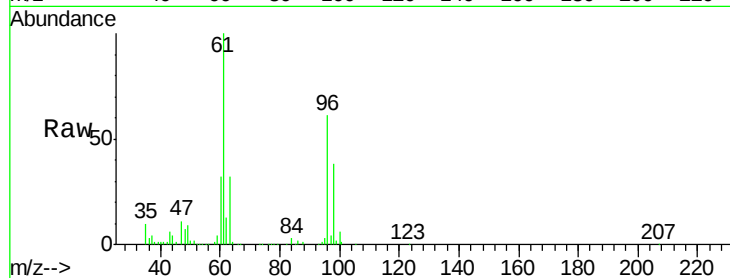
Tot Ion: 96 Resp: 85919

Ion Ratio Lower Upper

96 100

61 163.2 127.0 190.4

98 61.3 51.7 77.5



#22

Diisopropyl ether

Concen: 44.885 ug/l

RT: 2.77 min Scan# 217

Delta R.T. -0.02 min

Lab File: VF061384.D

Acq: 14 Jan 2019 12:25

Tgt Ion: 45 Resp: 291072

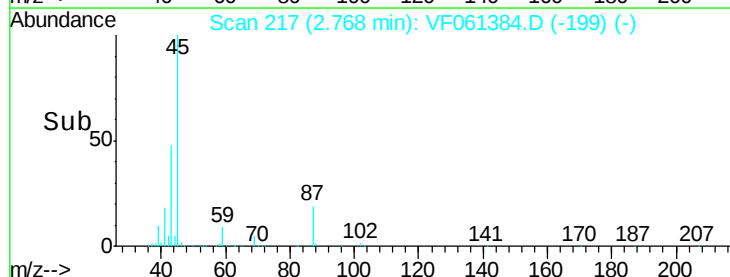
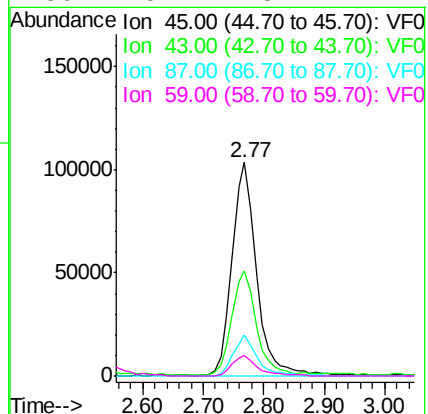
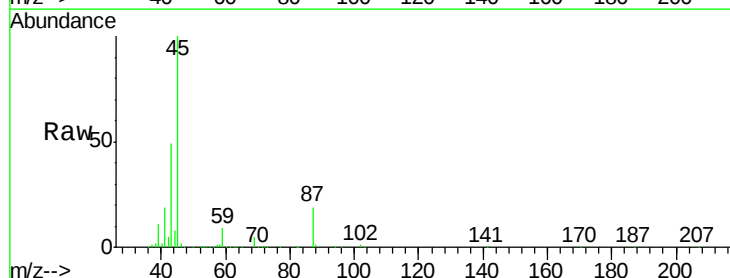
Ion Ratio Lower Upper

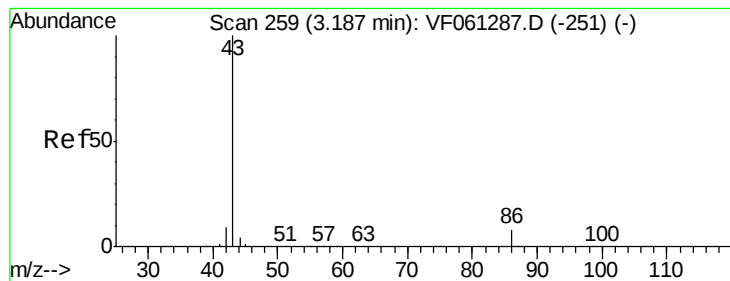
45 100

43 49.2 37.4 56.2

87 19.0 14.2 21.2

59 9.4 8.2 12.2





#23

Vinyl Acetate

Concen: 328.678 ug/l

RT: 3.15 min Scan# 256

Delta R.T. -0.03 min

Lab File: VF061384.D

Acq: 14 Jan 2019 12:25

Instrument :

MSVOA_F

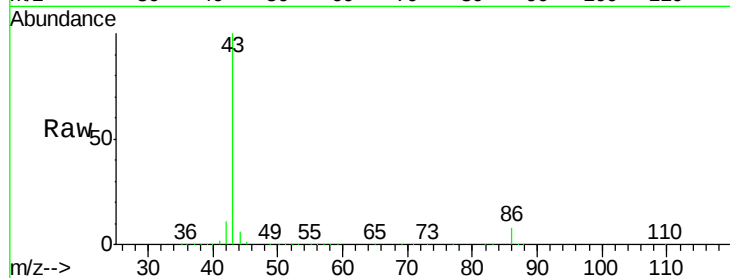
ClientSampleId :

Tot Ion: 43 Resp: 623322

Ion Ratio Lower Upper

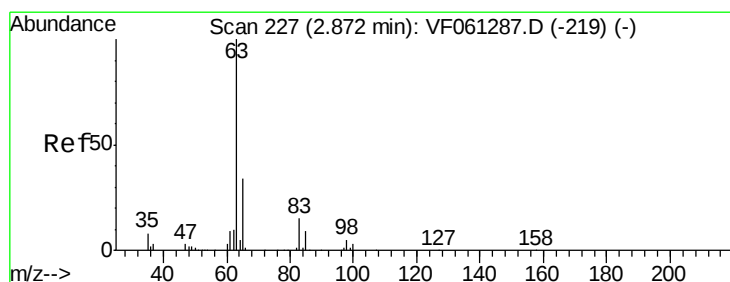
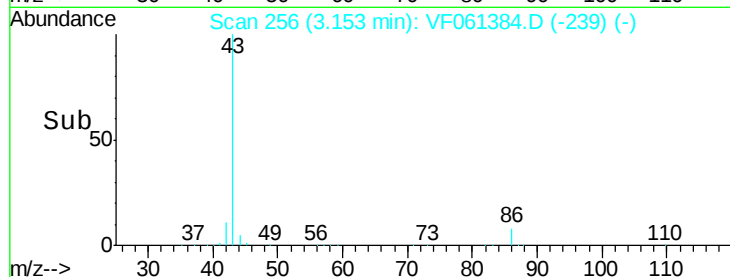
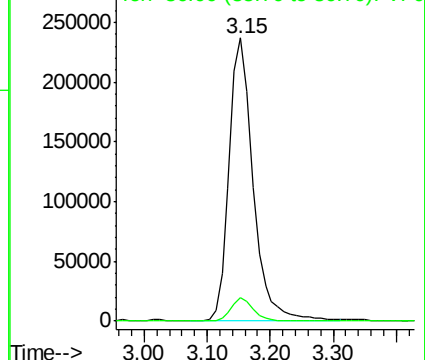
43 100

86 8.3 6.5 9.7



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 46.751 ug/l

RT: 2.84 min Scan# 224

Delta R.T. -0.03 min

Lab File: VF061384.D

Acq: 14 Jan 2019 12:25

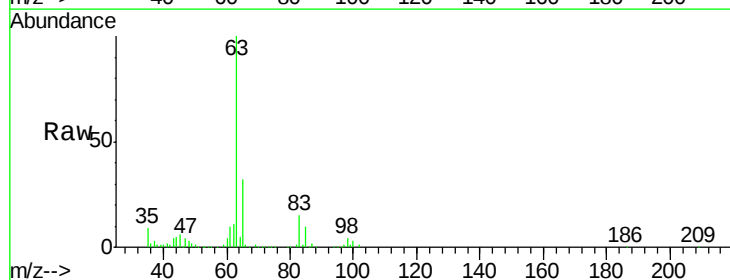
Tgt Ion: 63 Resp: 175370

Ion Ratio Lower Upper

63 100

98 4.3 2.5 7.6

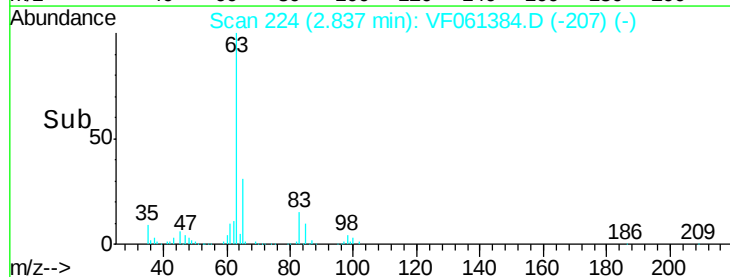
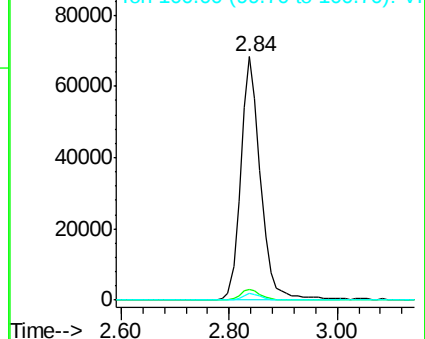
100 2.9 1.7 5.0

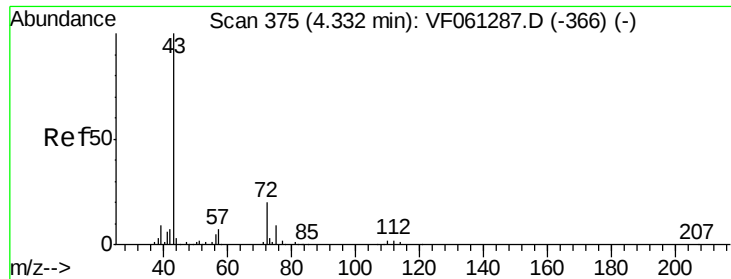


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 269.016 ug/l

RT: 4.30 min Scan# 372

Delta R.T. -0.03 min

Lab File: VF061384.D

Acq: 14 Jan 2019 12:25

Instrument :

MSVOA_F

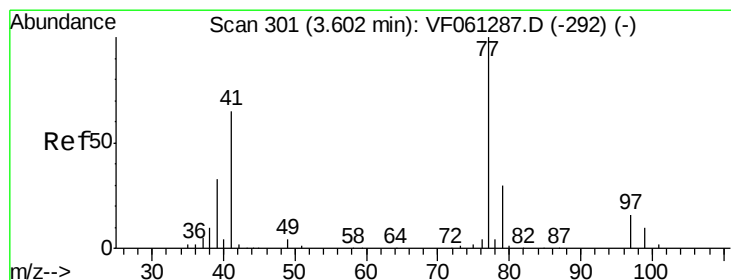
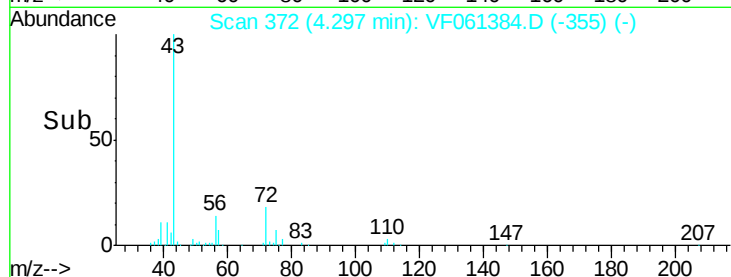
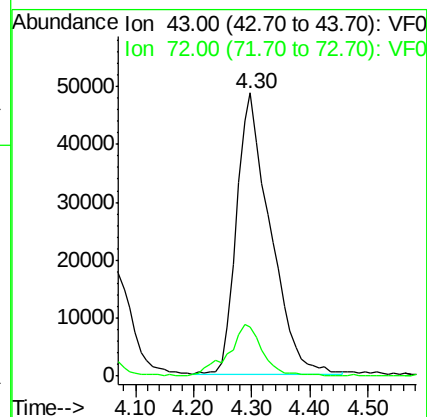
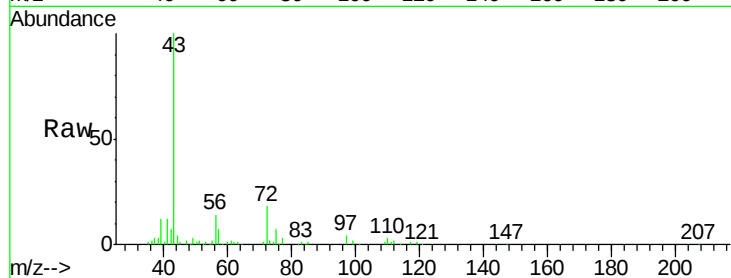
ClientSampled :

Tot Ion: 43 Resp: 195639

Ion Ratio Lower Upper

43 100

72 17.5 16.5 24.7



#26

2,2-Dichloropropane

Concen: 45.208 ug/l

RT: 3.56 min Scan# 297

Delta R.T. -0.04 min

Lab File: VF061384.D

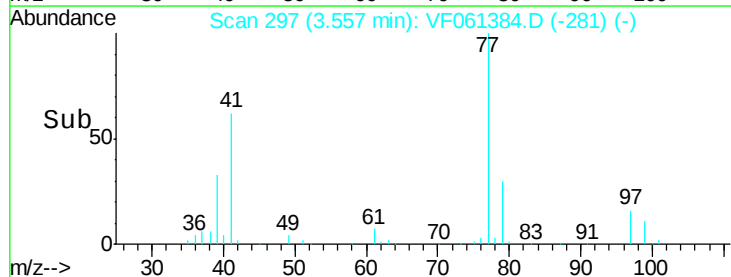
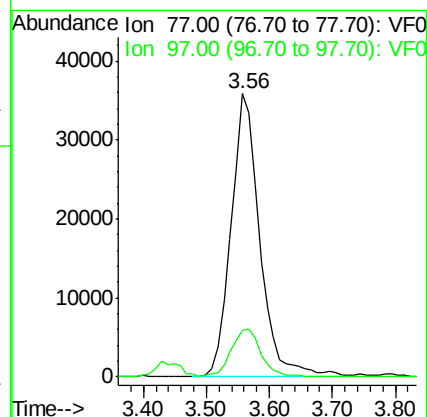
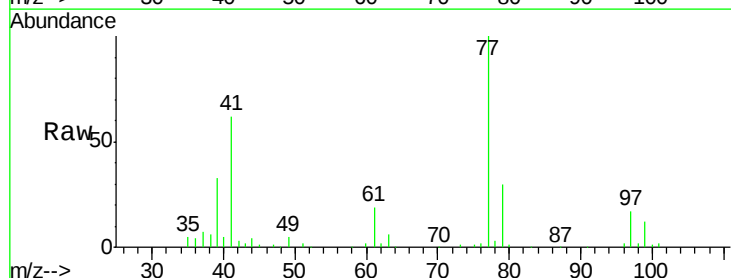
Acq: 14 Jan 2019 12:25

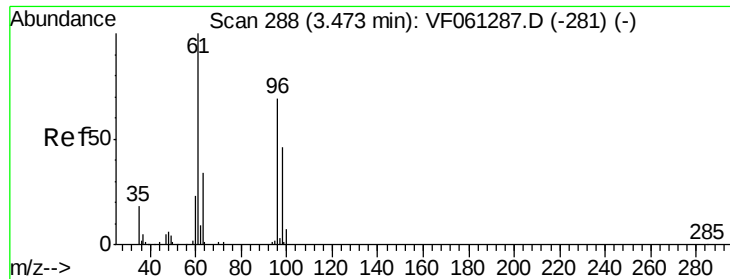
Tgt Ion: 77 Resp: 113322

Ion Ratio Lower Upper

77 100

97 16.6 8.6 25.9



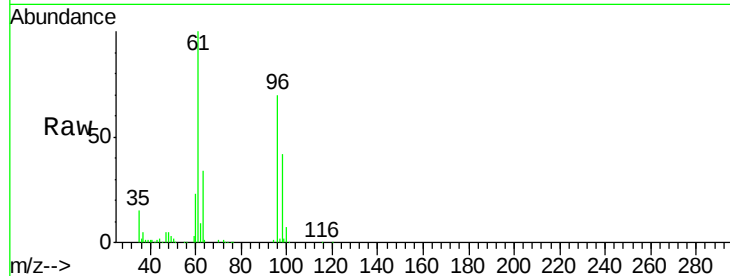


#27

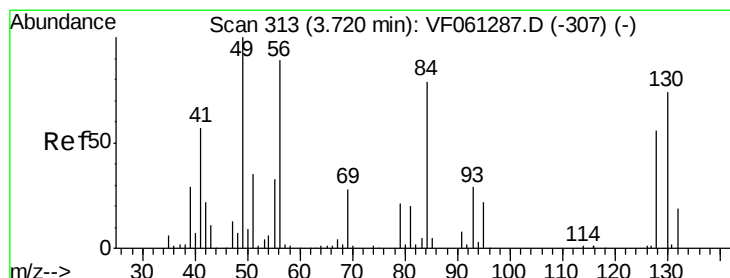
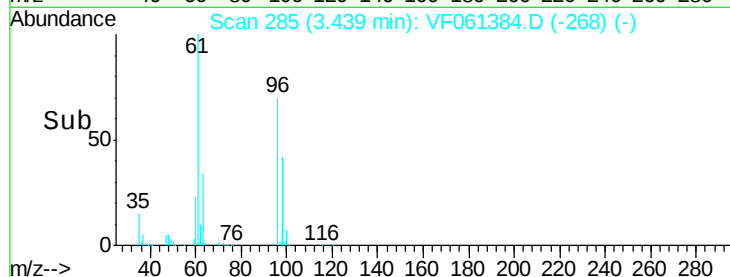
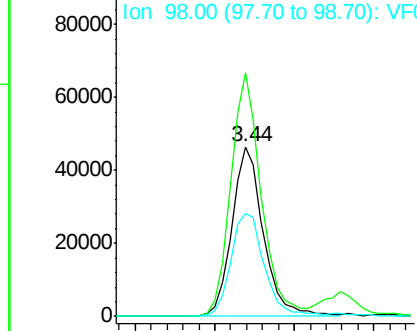
cis-1,2-Dichloroethene
Concen: 47.068 ug/l
RT: 3.44 min Scan# 285
Delta R.T. -0.03 min
Lab File: VF061384.D
Acq: 14 Jan 2019 12:25

Instrument :
MSVOA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
96	100		
61	143.7	0.0	288.2
98	60.6	0.0	132.2



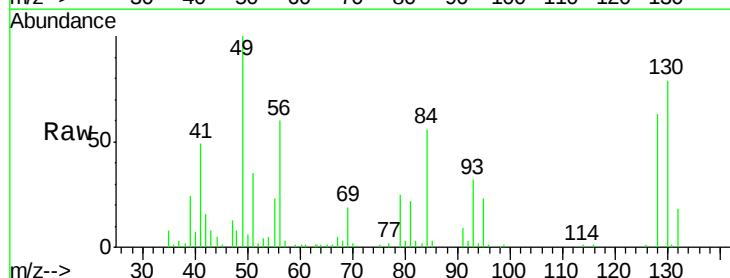
Abundance Ion 96.00 (95.70 to 96.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 98.00 (97.70 to 98.70): VF0



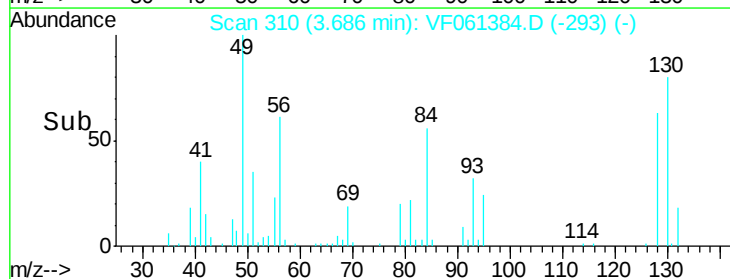
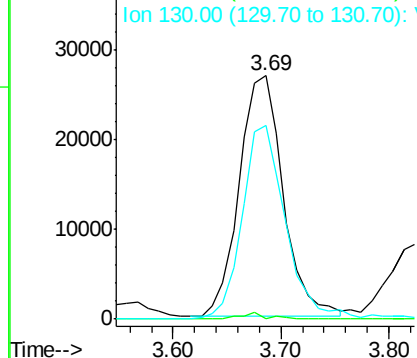
#28

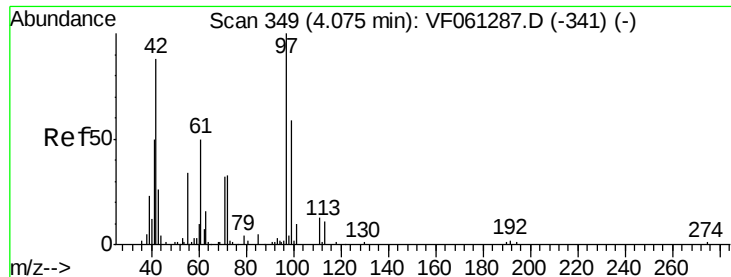
Bromochloromethane
Concen: 46.119 ug/l
RT: 3.69 min Scan# 310
Delta R.T. -0.03 min
Lab File: VF061384.D
Acq: 14 Jan 2019 12:25

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	0.0
130	79.3	58.6	88.0



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

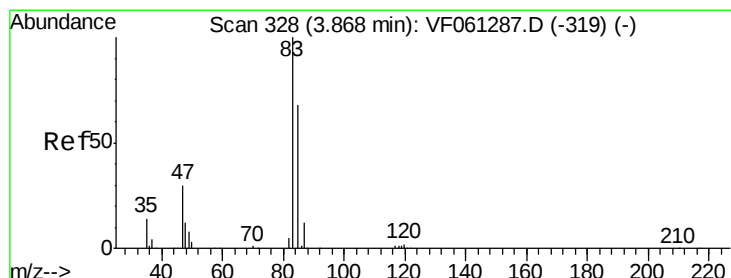
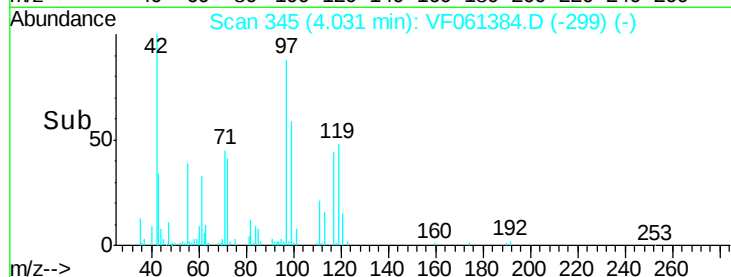
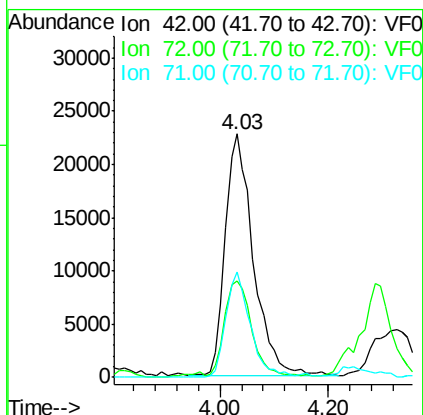
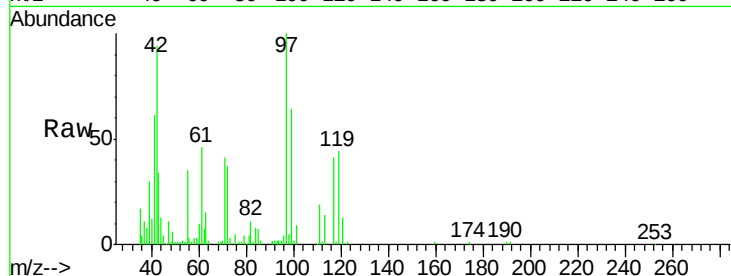




#29
Tetrahydrofuran
Concen: 269.834 ug/l
RT: 4.03 min Scan# 345
Delta R.T. -0.04 min
Lab File: VF061384.D
Acq: 14 Jan 2019 12:25

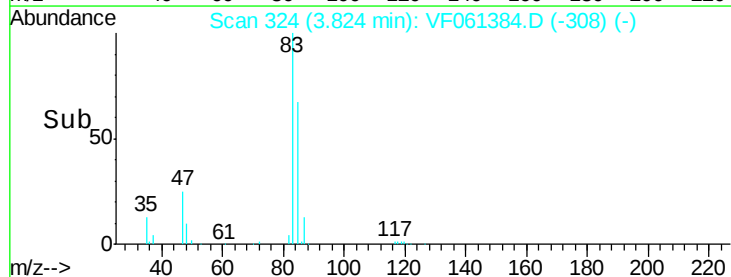
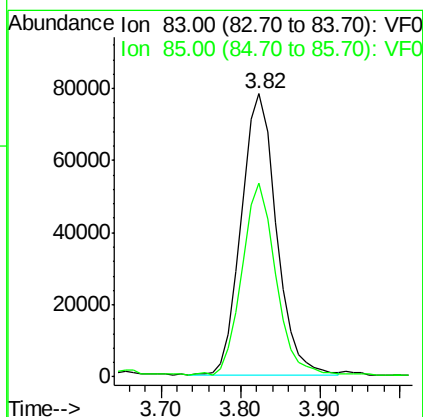
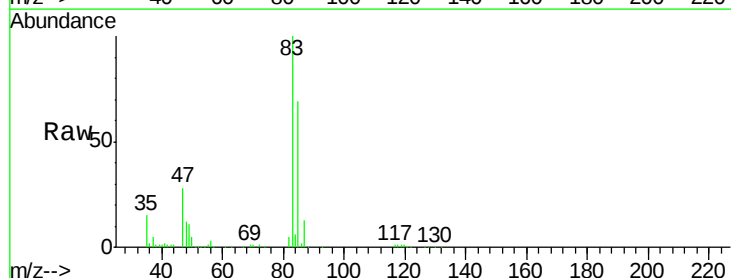
Instrument :
MSVOA_F
ClientSampleId :

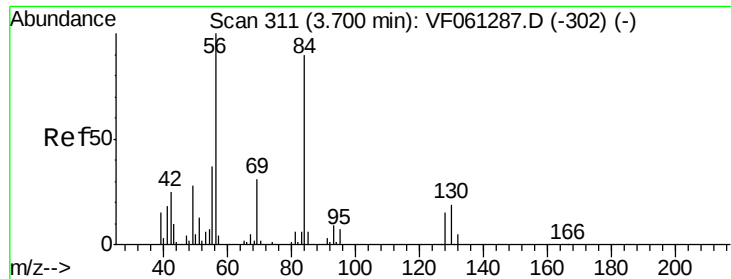
Tot Ion: 42 Resp: 82047
Ion Ratio Lower Upper
42 100
72 40.1 32.3 48.5
71 37.7 29.5 44.3



#30
Chloroform
Concen: 49.713 ug/l
RT: 3.82 min Scan# 324
Delta R.T. -0.04 min
Lab File: VF061384.D
Acq: 14 Jan 2019 12:25

Tgt Ion: 83 Resp: 236727
Ion Ratio Lower Upper
83 100
85 68.6 54.4 81.6

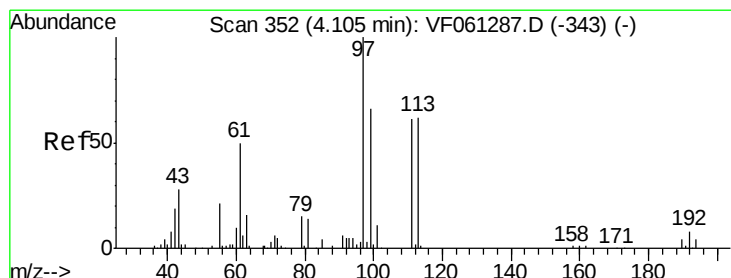
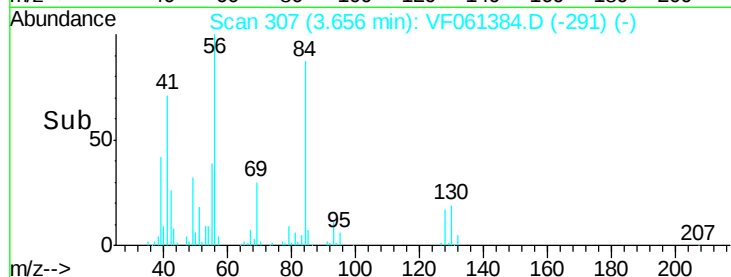
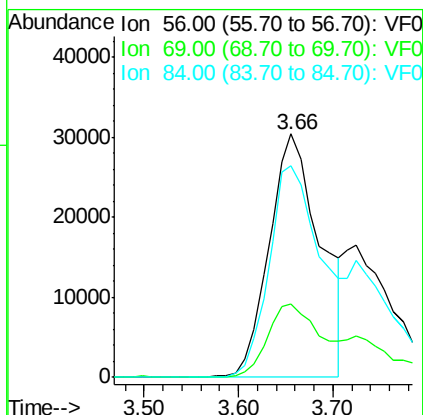
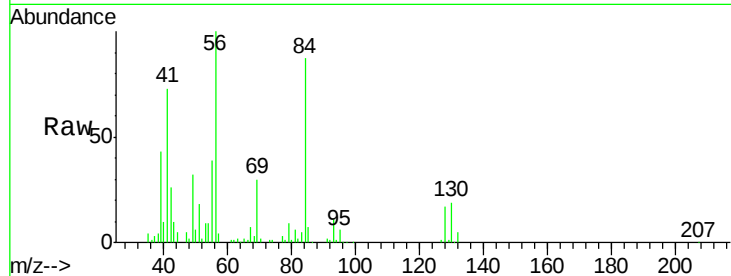




#31
Cyclohexane
Concen: 29.114 ug/l
RT: 3.66 min Scan# 307
Delta R.T. -0.04 min
Lab File: VF061384.D
Acq: 14 Jan 2019 12:25

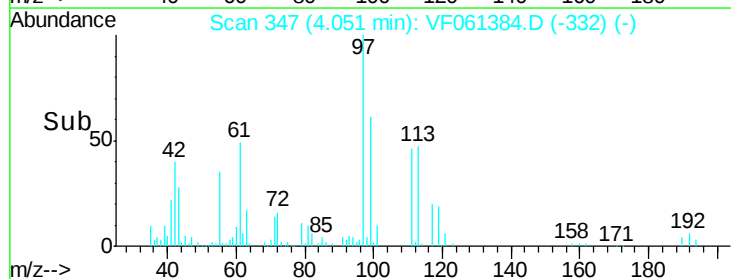
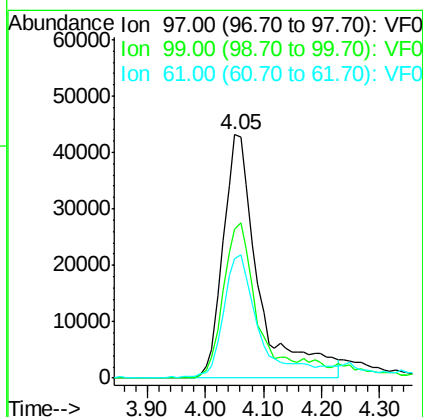
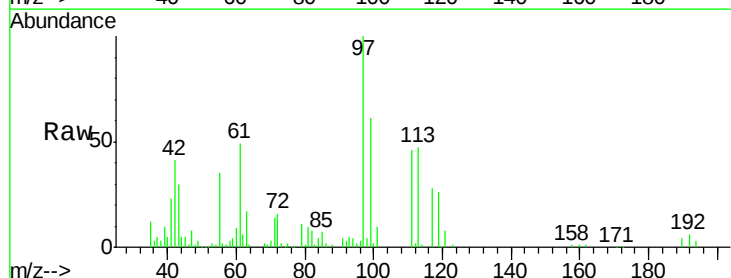
Instrument :
MSVOA_F
ClientSampleId :

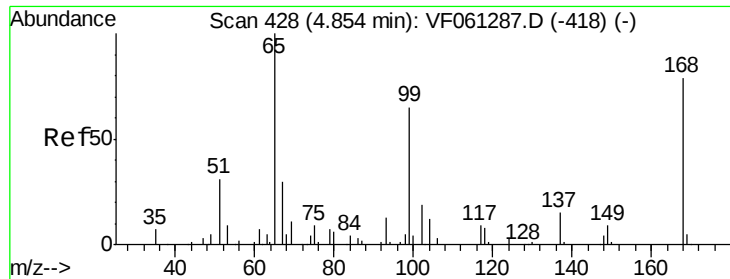
Tot Ion: 56 Resp: 114572
Ion Ratio Lower Upper
56 100
69 30.1 24.7 37.1
84 87.0 72.2 108.4



#32
1,1,1-Trichloroethane
Concen: 48.242 ug/l
RT: 4.05 min Scan# 347
Delta R.T. -0.05 min
Lab File: VF061384.D
Acq: 14 Jan 2019 12:25

Tgt Ion: 97 Resp: 185555
Ion Ratio Lower Upper
97 100
99 61.2 52.7 79.1
61 49.3 40.8 61.2

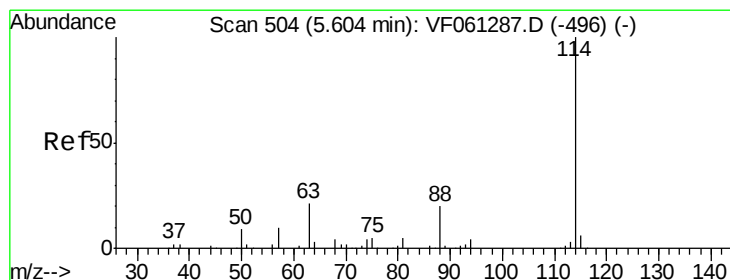
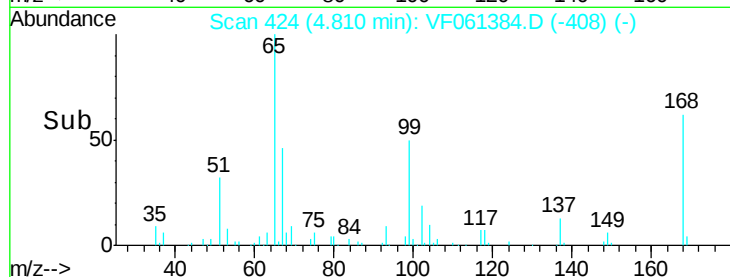
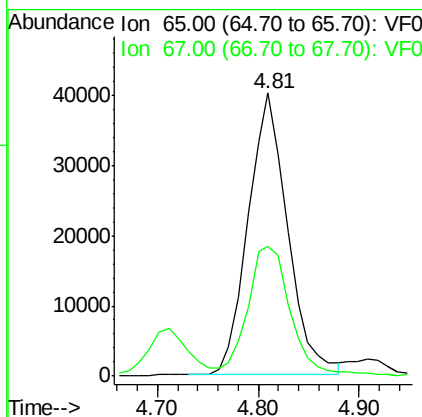
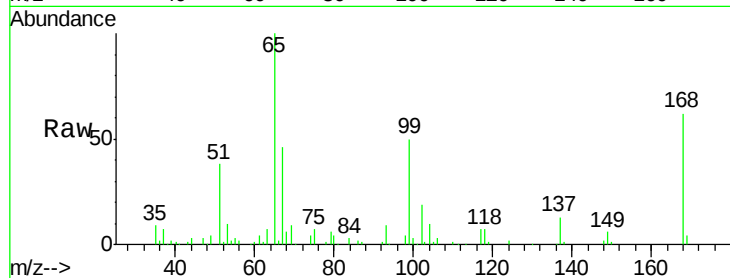




#33
 1,2-Dichloroethane-d4
 Concen: 56.236 ug/l
 RT: 4.81 min Scan# 424
 Delta R.T. -0.04 min
 Lab File: VF061384.D
 Acq: 14 Jan 2019 12:25

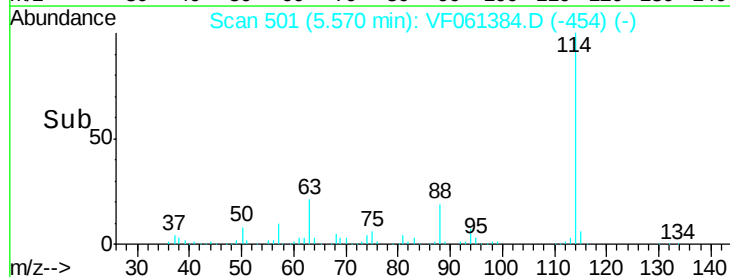
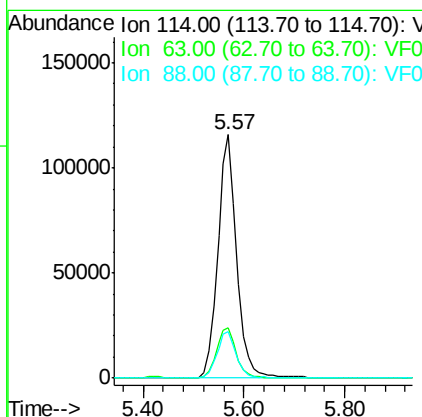
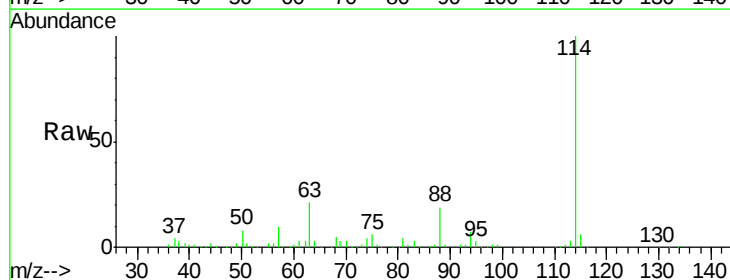
Instrument :
 MSVOA_F
 ClientSampled :

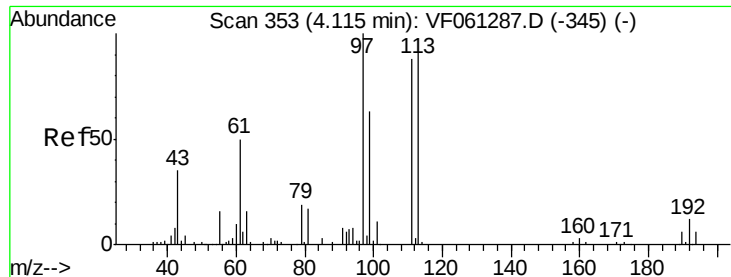
Tot Ion: 65 Resp: 109231
 Ion Ratio Lower Upper
 65 100
 67 46.0 0.0 98.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.57 min Scan# 501
 Delta R.T. -0.03 min
 Lab File: VF061384.D
 Acq: 14 Jan 2019 12:25

Tgt Ion: 114 Resp: 302592
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 42.8
 88 19.3 0.0 40.0





#35

Dibromofluoromethane

Concen: 53.504 ug/l

RT: 4.07 min Scan# 349

Delta R.T. -0.04 min

Lab File: VF061384.D

Acq: 14 Jan 2019 12:25

Instrument :
MSVOA_F
ClientSampleId :

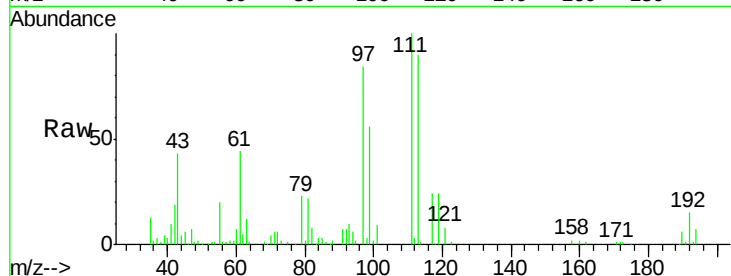
Tot Ion:113 Resp: 123879

Ion Ratio Lower Upper

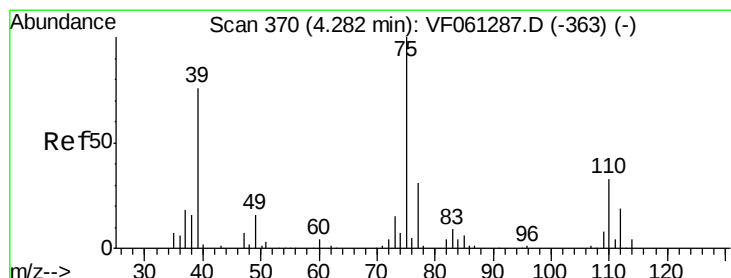
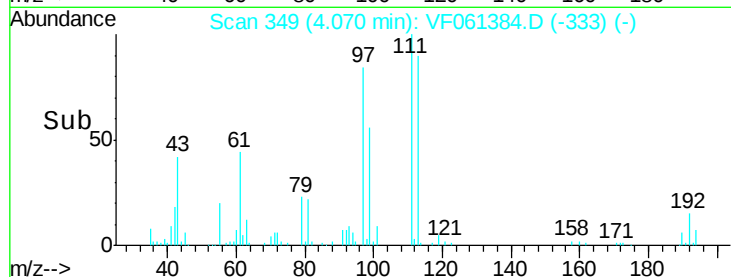
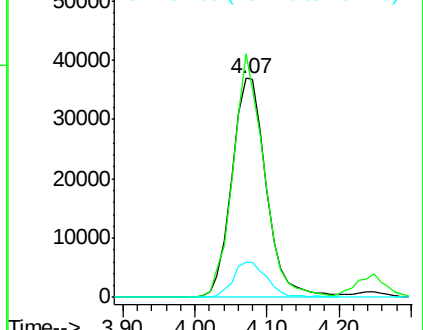
113 100

111 111.2 78.0 117.0

192 16.2 10.6 16.0#



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: 52.325 ug/l

RT: 4.25 min Scan# 367

Delta R.T. -0.03 min

Lab File: VF061384.D

Acq: 14 Jan 2019 12:25

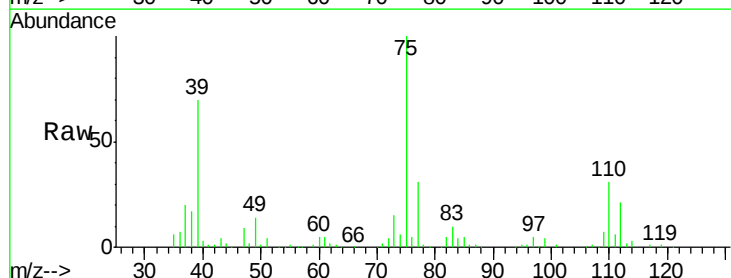
Tgt Ion: 75 Resp: 184892

Ion Ratio Lower Upper

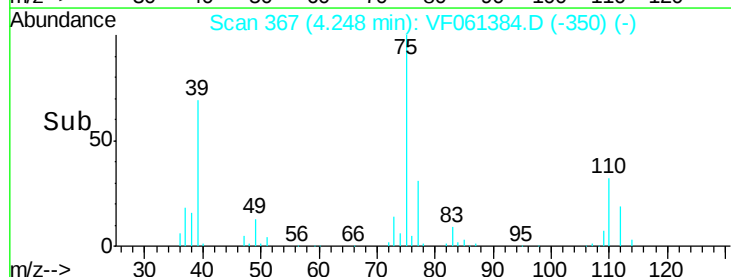
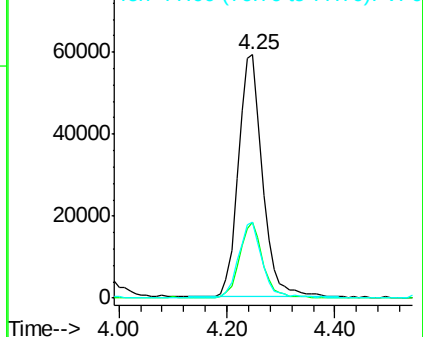
75 100

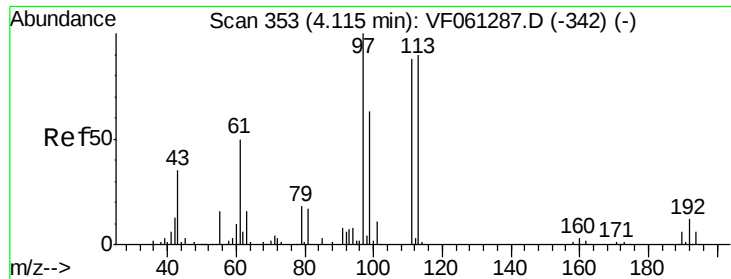
110 31.3 16.6 49.8

77 31.2 25.1 37.7



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: 54.324 ug/l

RT: 4.07 min Scan# 349

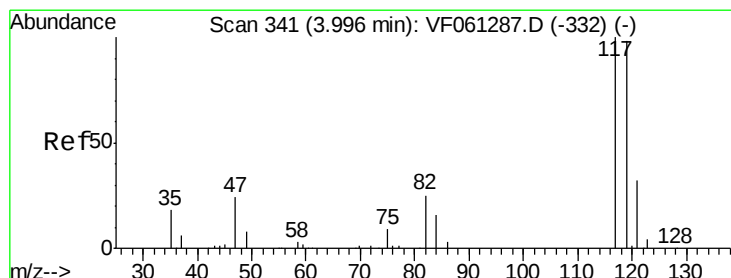
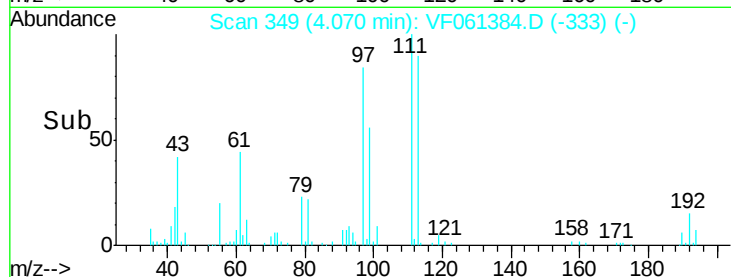
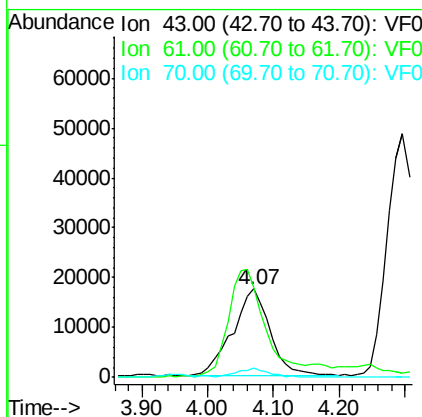
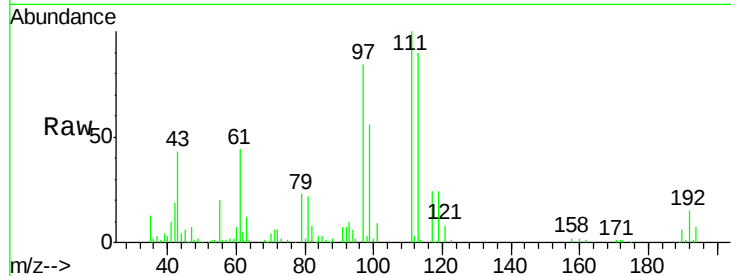
Delta R.T. -0.04 min

Lab File: VF061384.D

Acq: 14 Jan 2019 12:25

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 69903
Ion Ratio Lower Upper
43 100
61 101.9 113.3 169.9#
70 10.2 9.4 14.0



#38

Carbon Tetrachloride

Concen: 49.174 ug/l

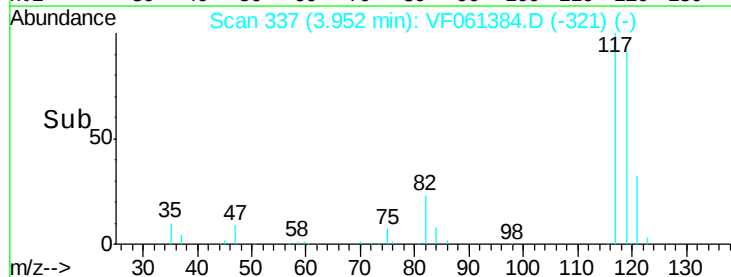
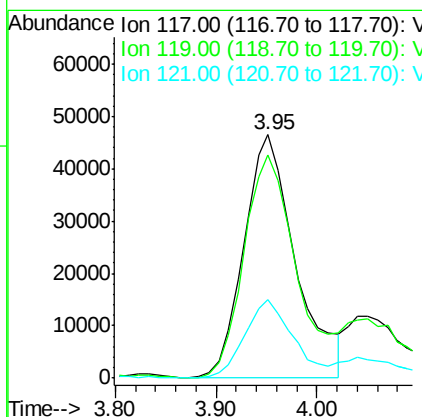
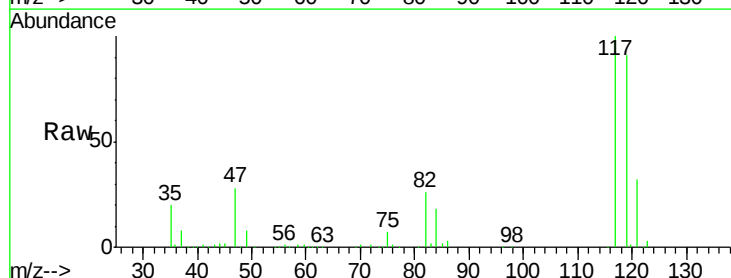
RT: 3.95 min Scan# 337

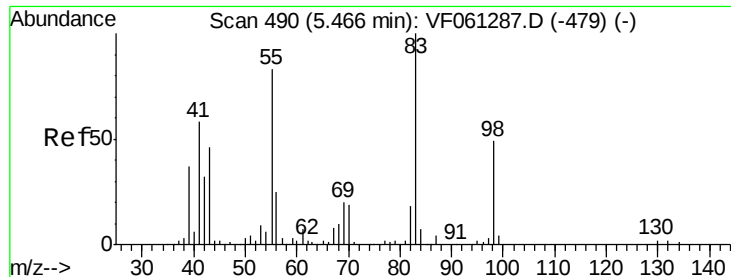
Delta R.T. -0.04 min

Lab File: VF061384.D

Acq: 14 Jan 2019 12:25

Tgt Ion: 117 Resp: 164568
Ion Ratio Lower Upper
117 100
119 91.5 78.5 117.7
121 32.0 25.3 37.9

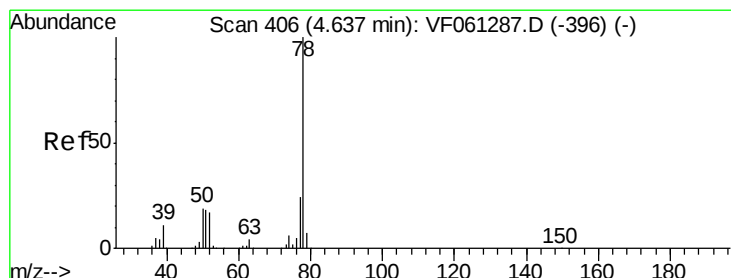
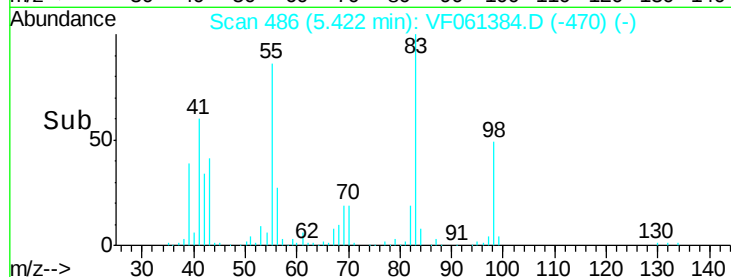
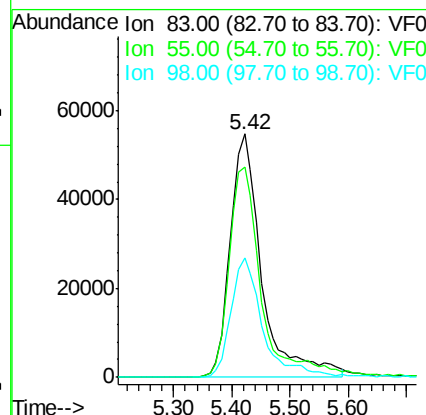
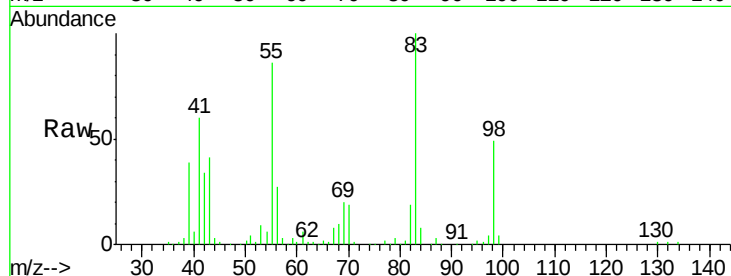




#39
Methvlcvclohexane
Concen: 46.917 ug/l
RT: 5.42 min Scan# 486
Delta R.T. -0.04 min
Lab File: VF061384.D
Acq: 14 Jan 2019 12:25

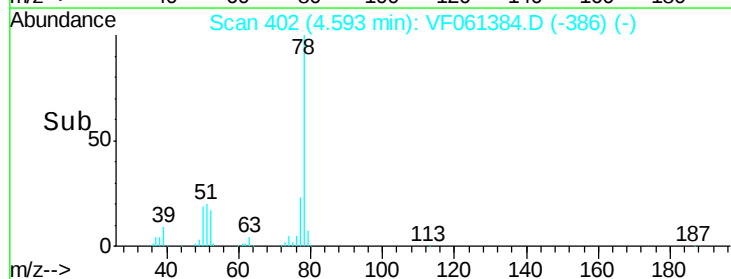
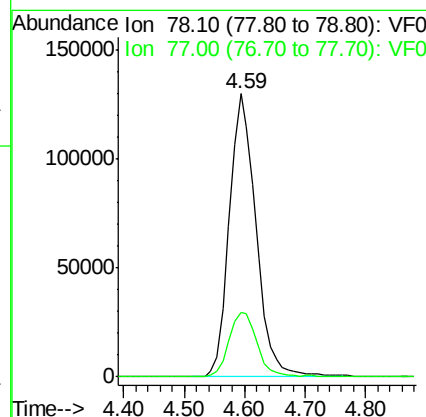
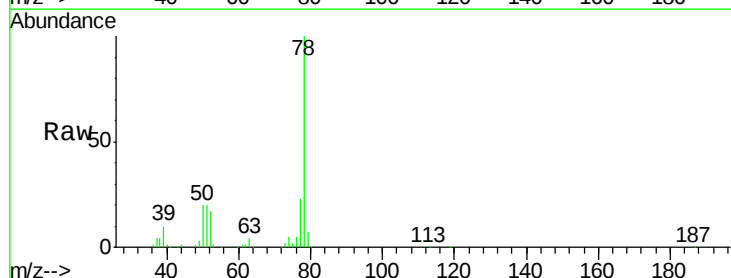
Instrument :
MSVOA_F
ClientSampleId :

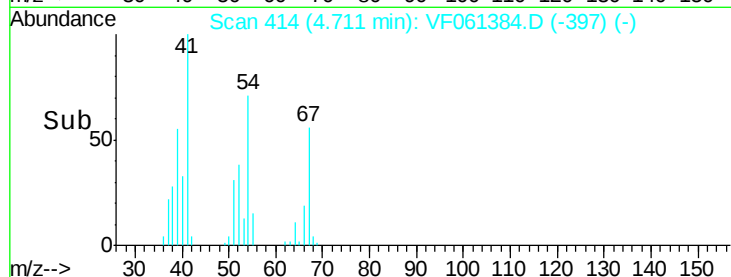
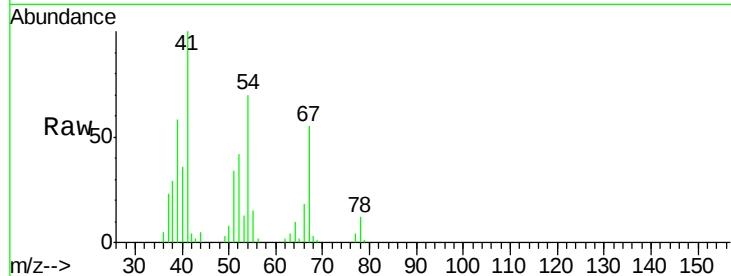
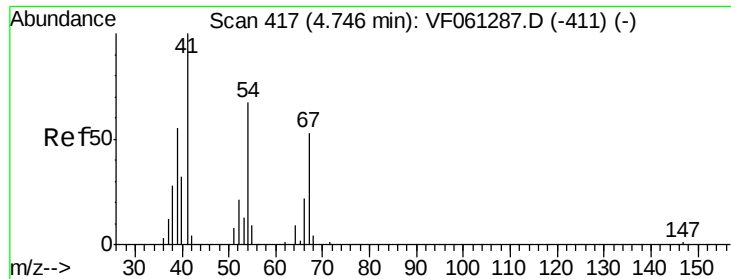
Tot Ion: 83 Resp: 207435
Ion Ratio Lower Upper
83 100
55 86.4 66.4 99.6
98 49.2 39.1 58.7



#40
Benzene
Concen: 48.418 ug/l
RT: 4.59 min Scan# 402
Delta R.T. -0.04 min
Lab File: VF061384.D
Acq: 14 Jan 2019 12:25

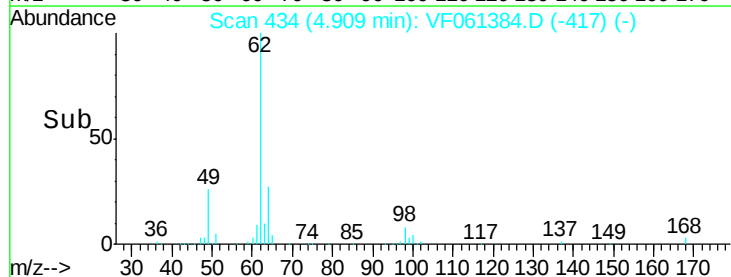
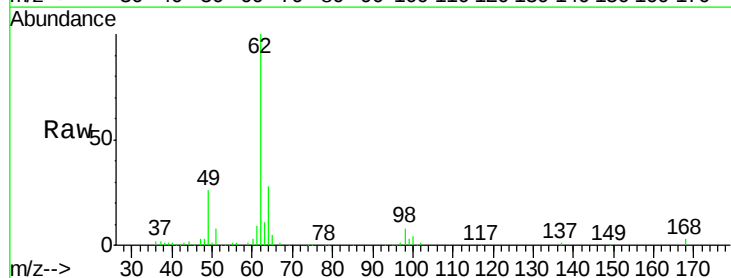
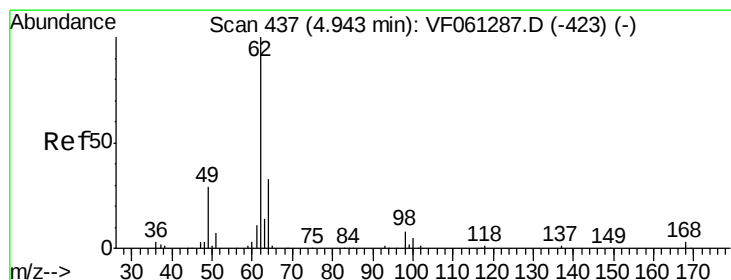
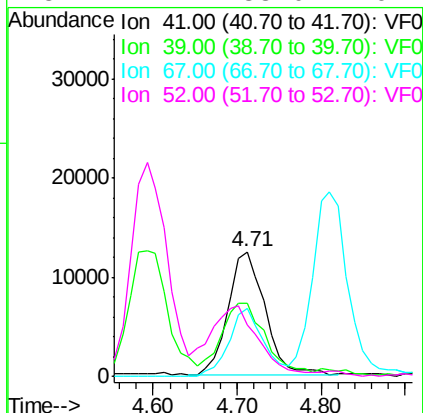
Tgt Ion: 78 Resp: 399432
Ion Ratio Lower Upper
78 100
77 22.8 19.1 28.7





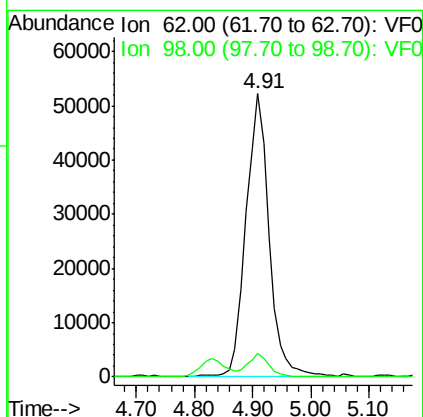
#41
Methacrylonitrile
Concen: 52.532 ug/l
RT: 4.71 min Scan# 414
Delta R.T. -0.03 min
Lab File: VF061384.D
Acq: 14 Jan 2019 12:25

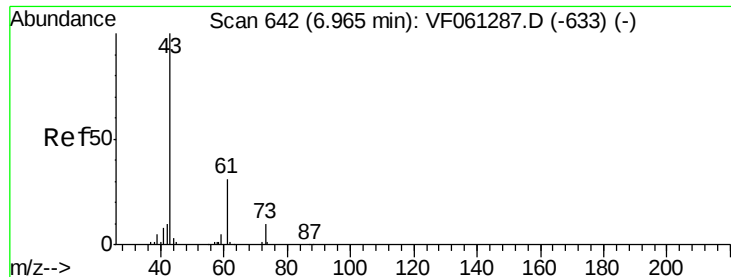
Tot Ion: 41 Resp: 37749
Ion Ratio Lower Upper
41 100
39 58.5 52.7 79.1
67 54.6 41.4 62.2
52 41.7 33.0 49.4



#42
1,2-Dichloroethane
Concen: 56.991 ug/l
RT: 4.91 min Scan# 434
Delta R.T. -0.03 min
Lab File: VF061384.D
Acq: 14 Jan 2019 12:25

Tgt Ion: 62 Resp: 146375
Ion Ratio Lower Upper
62 100
98 8.2 0.0 16.8



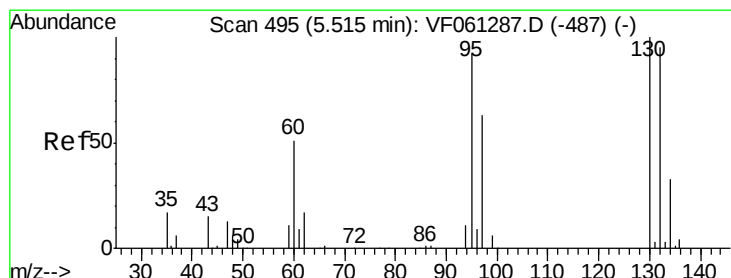
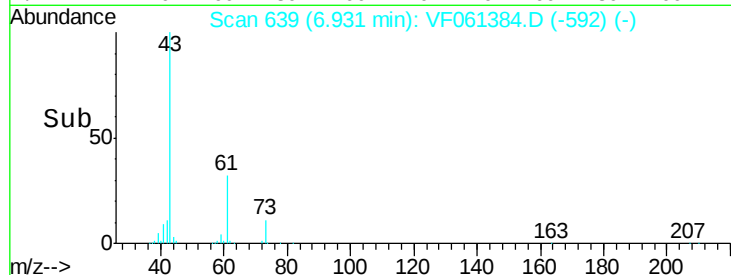
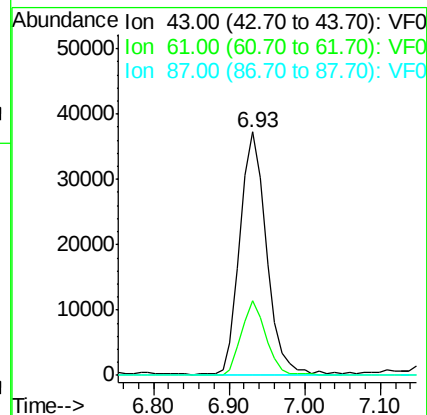
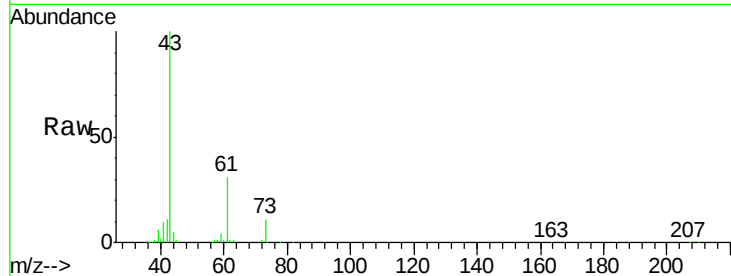


#43

Isopropyl Acetate
 Concen: 54.053 ug/l
 RT: 6.93 min Scan# 639
 Delta R.T. -0.03 min
 Lab File: VF061384.D
 Acq: 14 Jan 2019 12:25

Instrument :
 MSVOA_F
 ClientSampleId :

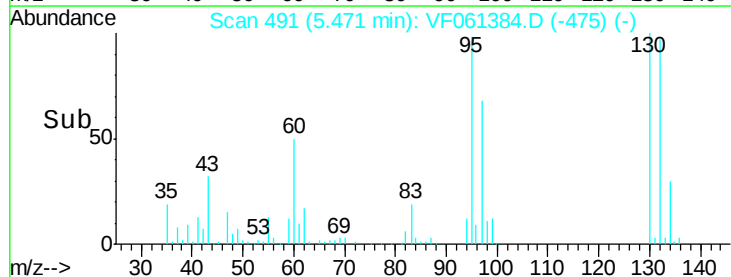
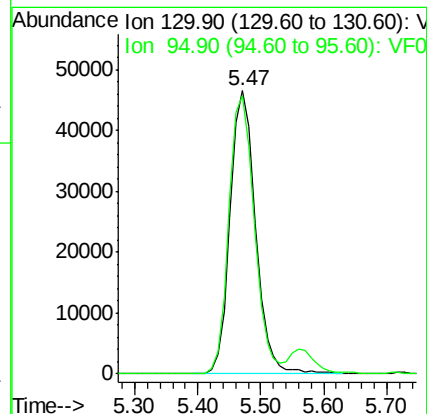
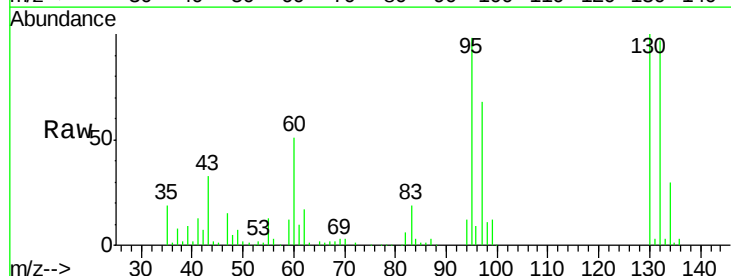
Tot Ion: 43 Resp: 91829
 Ion Ratio Lower Upper
 43 100
 61 30.8 24.3 36.5
 87 0.0 0.2 0.4#

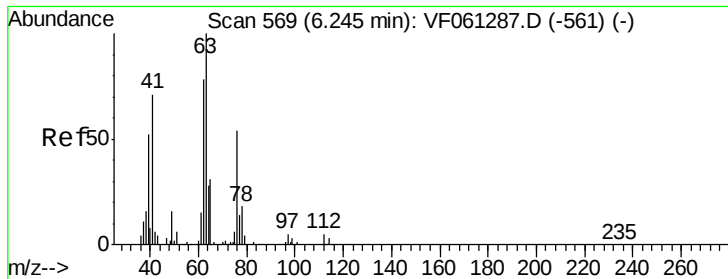


#44

Trichloroethene
 Concen: 53.890 ug/l
 RT: 5.47 min Scan# 491
 Delta R.T. -0.04 min
 Lab File: VF061384.D
 Acq: 14 Jan 2019 12:25

Tgt Ion: 130 Resp: 130106
 Ion Ratio Lower Upper
 130 100
 95 98.2 0.0 184.4





#45

1,2-Dichloropropane

Concen: 50.404 ug/l

RT: 6.21 min Scan# 566

Delta R.T. -0.03 min

Lab File: VF061384.D

Acq: 14 Jan 2019 12:25

Instrument :

MSVOA_F

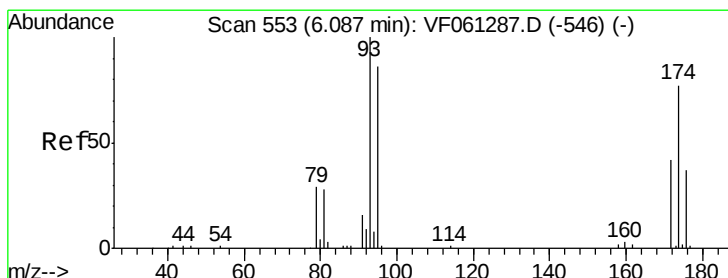
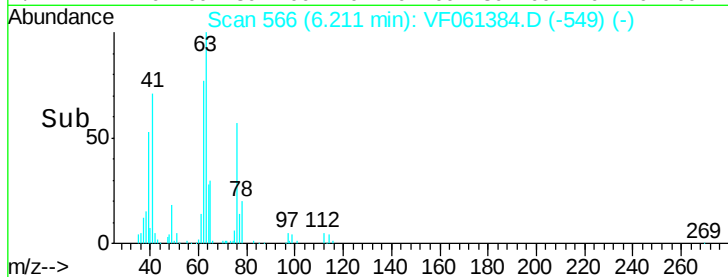
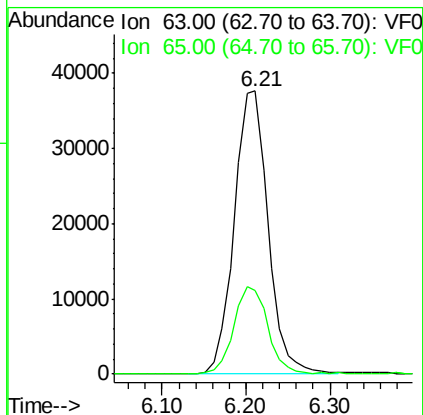
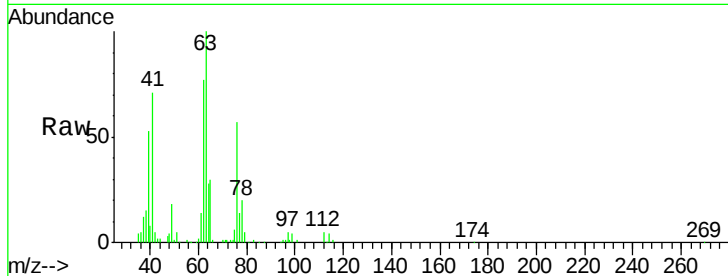
ClientSampleId :

Tot Ion: 63 Resp: 105741

Ion Ratio Lower Upper

63 100

65 29.8 25.1 37.7



#46

Dibromomethane

Concen: 55.187 ug/l

RT: 6.05 min Scan# 550

Delta R.T. -0.03 min

Lab File: VF061384.D

Acq: 14 Jan 2019 12:25

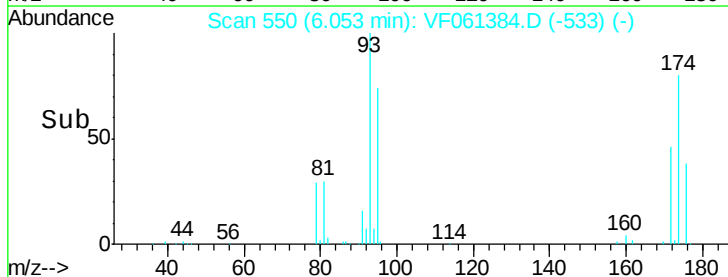
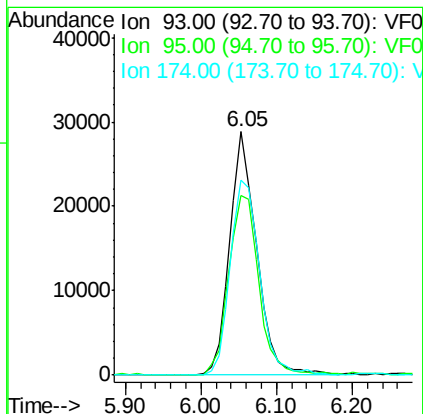
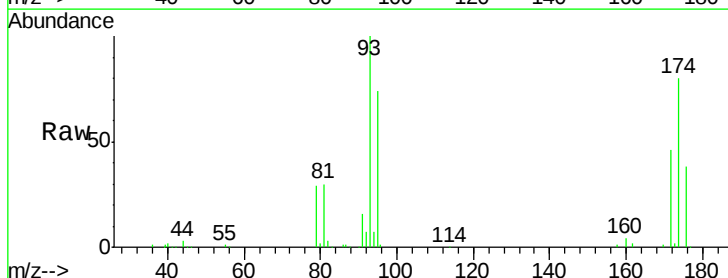
Tgt Ion: 93 Resp: 71084

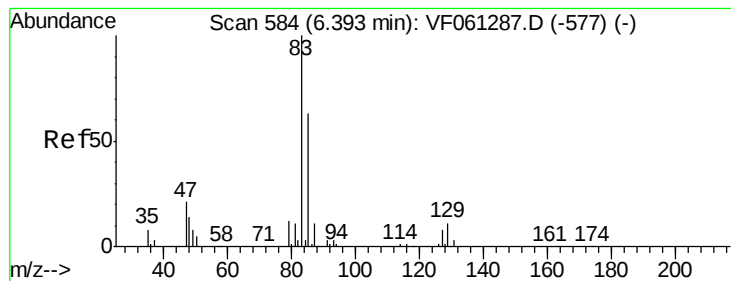
Ion Ratio Lower Upper

93 100

95 74.0 68.8 103.2

174 79.9 62.9 94.3





#47

Bromodichloromethane

Concen: 57.487 ug/l

RT: 6.36 min Scan# 581

Delta R.T. -0.03 min

Lab File: VF061384.D

Acq: 14 Jan 2019 12:25

Instrument :

MSVOA_F

ClientSampleId :

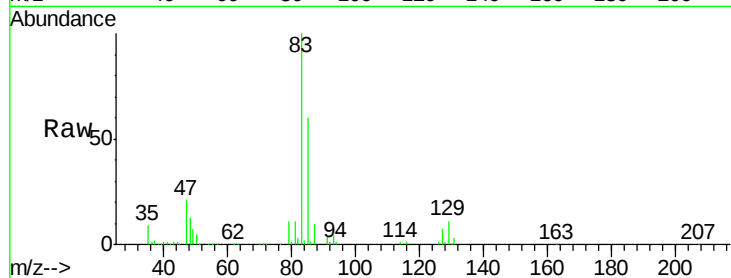
Tot Ion: 83 Resp: 184156

Ion Ratio Lower Upper

83 100

85 60.0 50.4 75.6

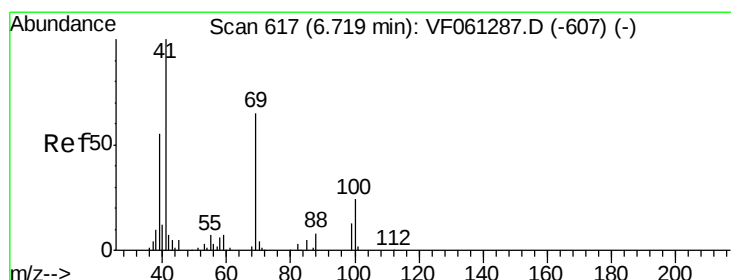
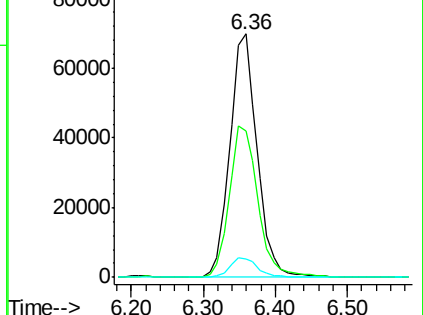
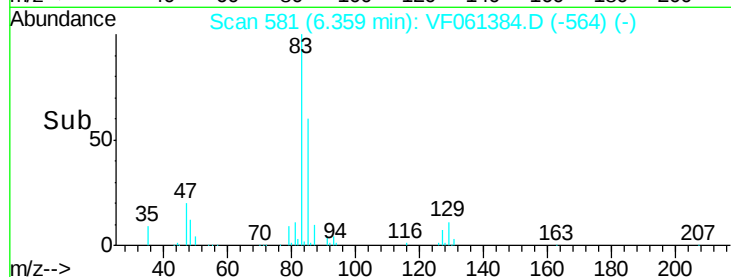
127 7.4 6.4 9.6



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: 52.795 ug/l

RT: 6.68 min Scan# 614

Delta R.T. -0.03 min

Lab File: VF061384.D

Acq: 14 Jan 2019 12:25

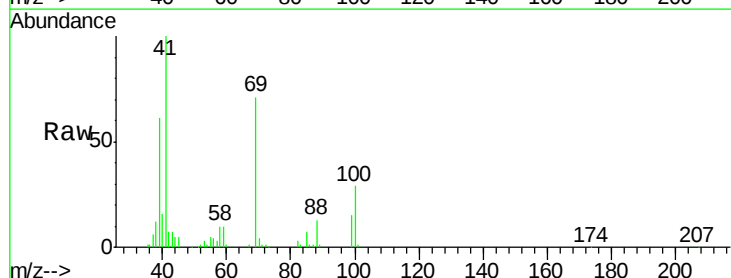
Tgt Ion: 41 Resp: 58218

Ion Ratio Lower Upper

41 100

69 71.0 51.5 77.3

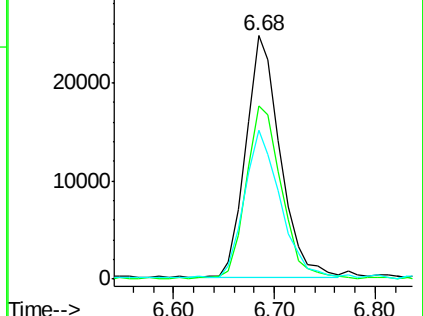
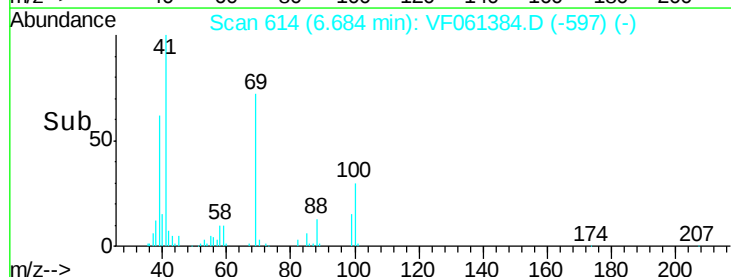
39 61.4 44.1 66.1

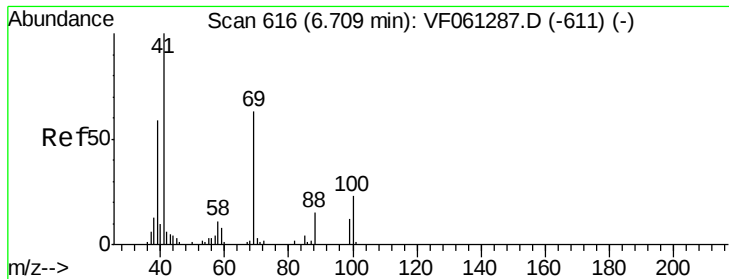


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 1477.581 ug/l

RT: 6.68 min Scan# 614

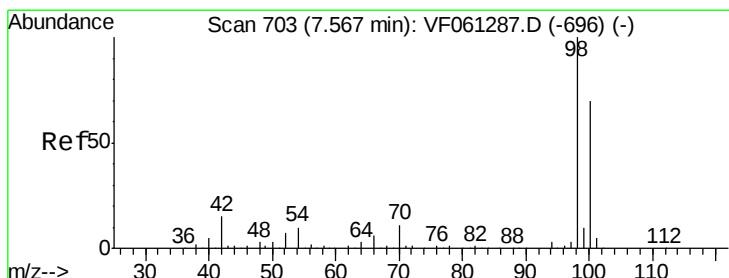
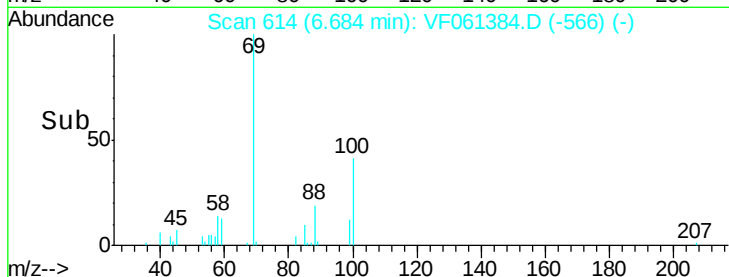
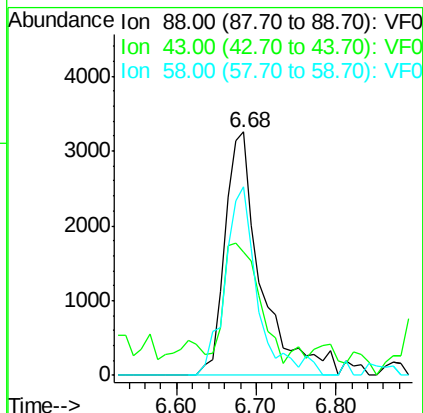
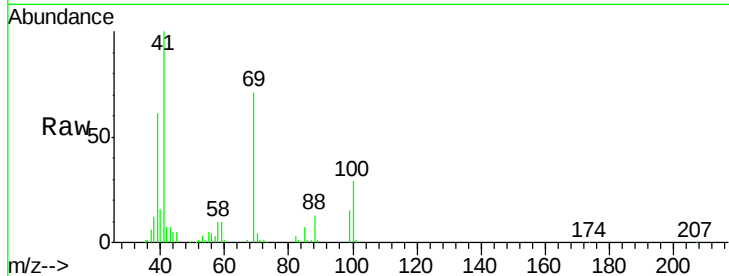
Delta R.T. -0.02 min

Lab File: VF061384.D

Acq: 14 Jan 2019 12:25

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	88	Resp:	10281
Ion	Ratio	Lower	Upper
88	100		
43	50.4	38.5	57.7
58	77.5	57.0	85.4



#50

Toluene-d8

Concen: 51.636 ug/l

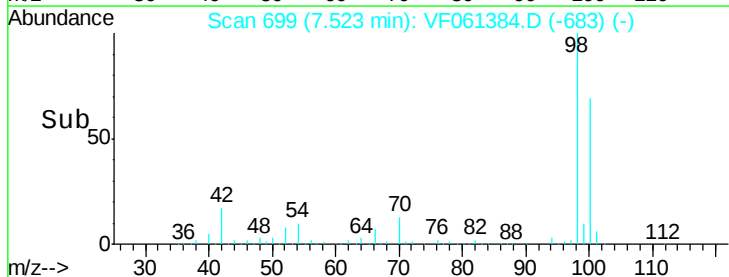
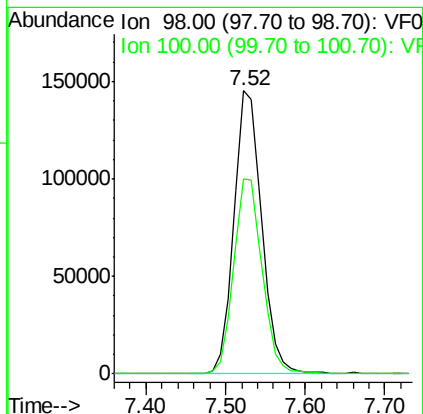
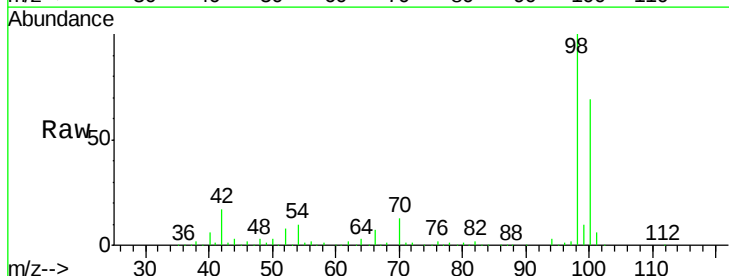
RT: 7.52 min Scan# 699

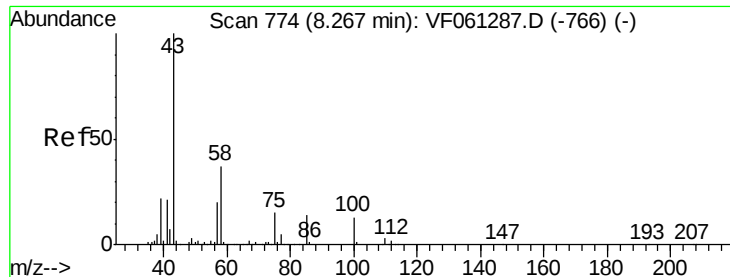
Delta R.T. -0.04 min

Lab File: VF061384.D

Acq: 14 Jan 2019 12:25

Tgt Ion:	98	Resp:	353793
Ion	Ratio	Lower	Upper
98	100		
100	69.0	55.6	83.4





#51

4-Methyl-2-Pentanone

Concen: 263.241 ug/l

RT: 8.23 min Scan# 771

Delta R.T. -0.03 min

Lab File: VF061384.D

Acq: 14 Jan 2019 12:25

Instrument :

MSVOA_F

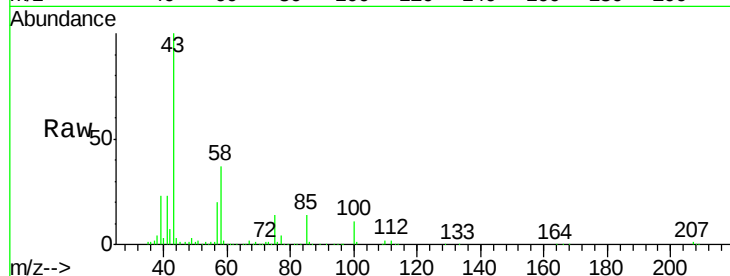
ClientSampleId :

Tot Ion: 43 Resp: 337552

Ion Ratio Lower Upper

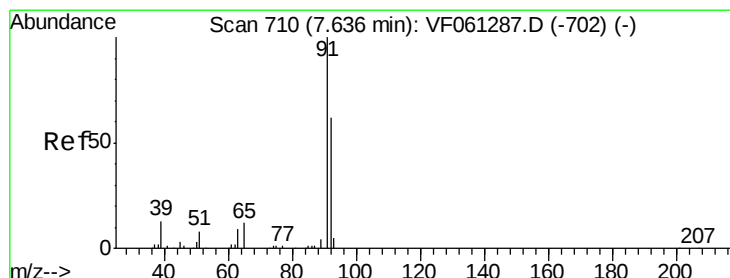
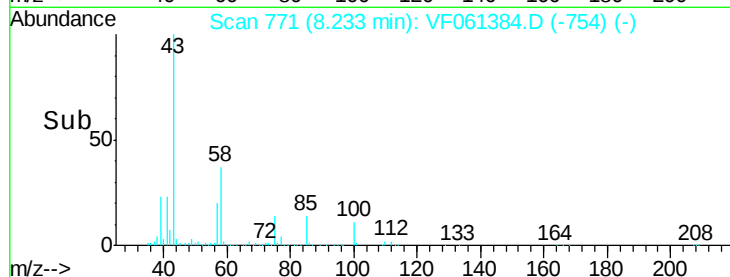
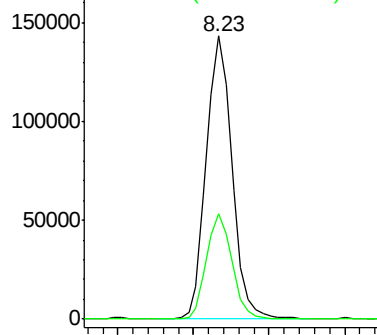
43 100

58 37.5 29.6 44.4



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 52.342 ug/l

RT: 7.59 min Scan# 706

Delta R.T. -0.04 min

Lab File: VF061384.D

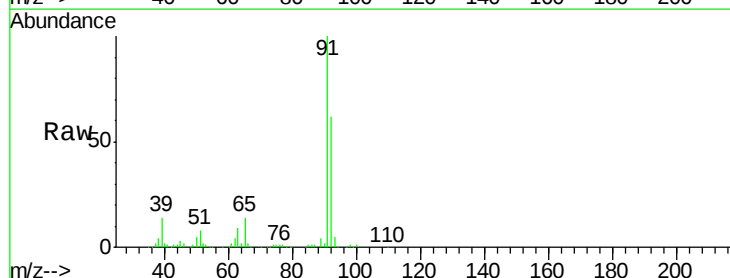
Acq: 14 Jan 2019 12:25

Tgt Ion: 92 Resp: 277542

Ion Ratio Lower Upper

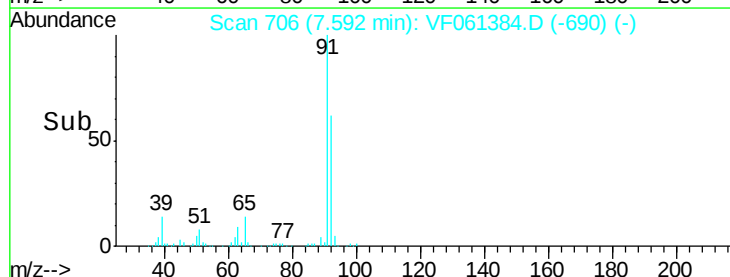
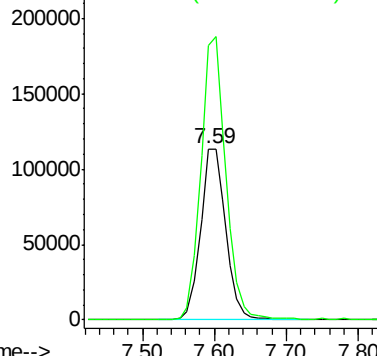
92 100

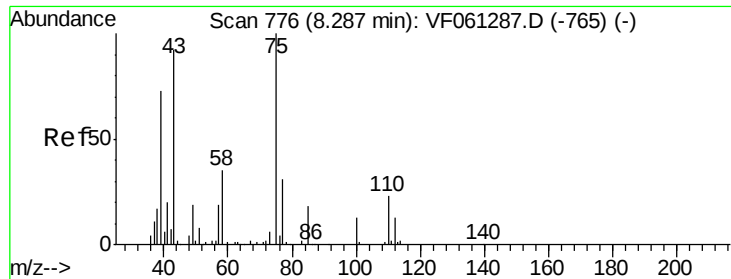
91 160.5 129.2 193.8



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

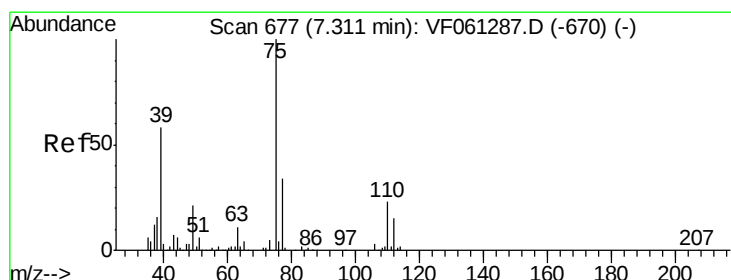
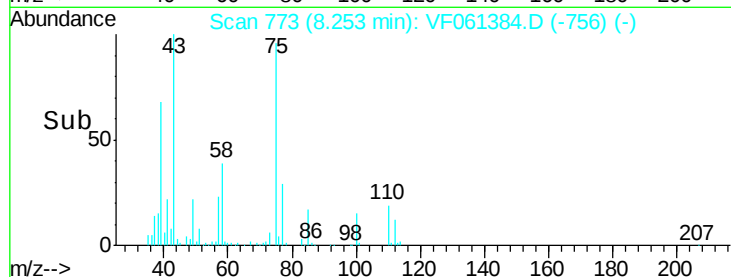
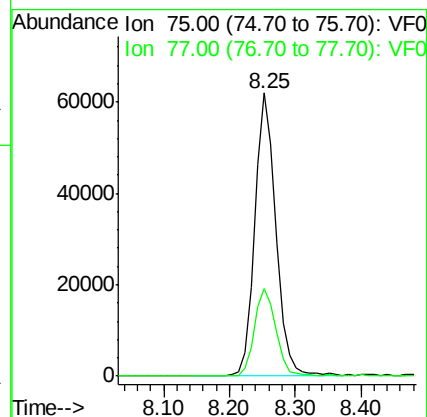
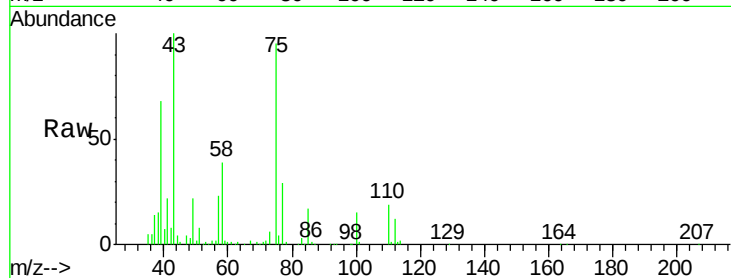




#53
t-1,3-Dichloropropene
Concen: 55.576 ug/l
RT: 8.25 min Scan# 773
Delta R.T. -0.03 min
Lab File: VF061384.D
Acq: 14 Jan 2019 12:25

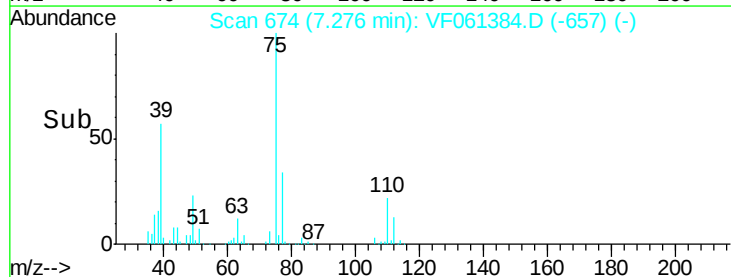
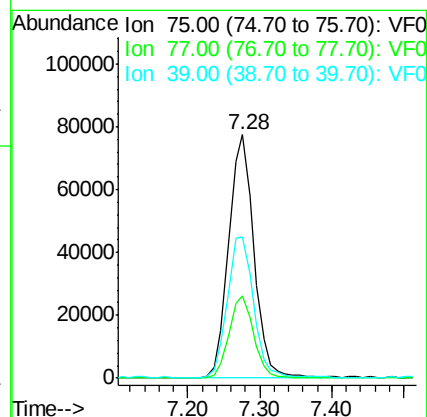
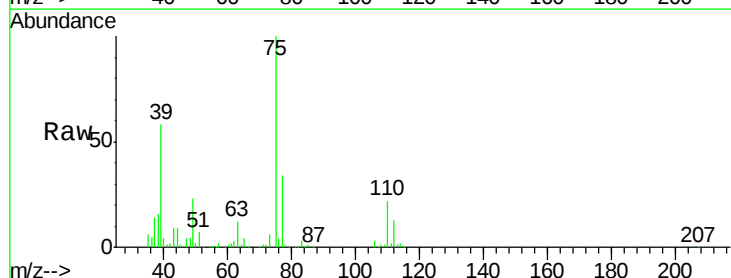
Instrument :
MSVOA_F
ClientSampleId :

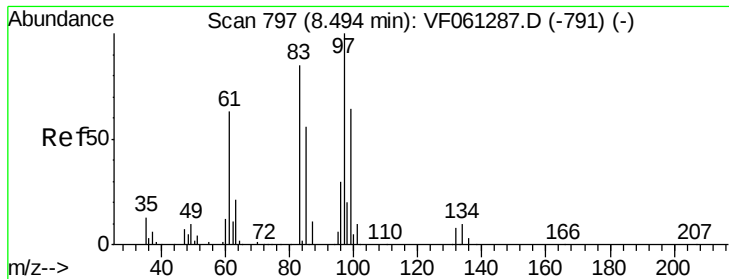
Tot Ion: 75 Resp: 139815
Ion Ratio Lower Upper
75 100
77 30.9 24.7 37.1



#54
cis-1,3-Dichloropropene
Concen: 56.735 ug/l
RT: 7.28 min Scan# 674
Delta R.T. -0.03 min
Lab File: VF061384.D
Acq: 14 Jan 2019 12:25

Tgt Ion: 75 Resp: 189246
Ion Ratio Lower Upper
75 100
77 33.6 27.3 40.9
39 57.8 46.3 69.5





#55

1,1,2-Trichloroethane

Concen: 56.500 ug/l

RT: 8.47 min Scan# 795

Delta R.T. -0.02 min

Lab File: VF061384.D

Acq: 14 Jan 2019 12:25

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 97 Resp: 83834

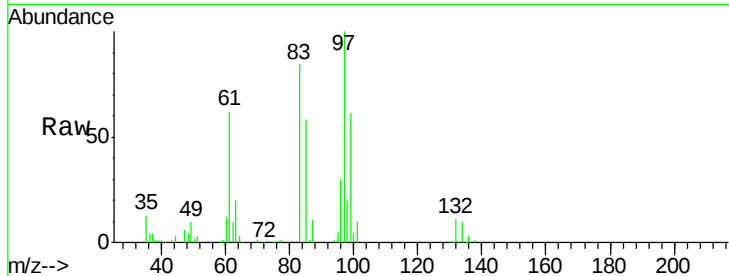
Ion	Ratio	Lower	Upper
97	100		
83	84.0	67.8	101.6
85	57.7	45.1	67.7
99	60.9	51.0	76.6

97 100

83 84.0 67.8 101.6

85 57.7 45.1 67.7

99 60.9 51.0 76.6



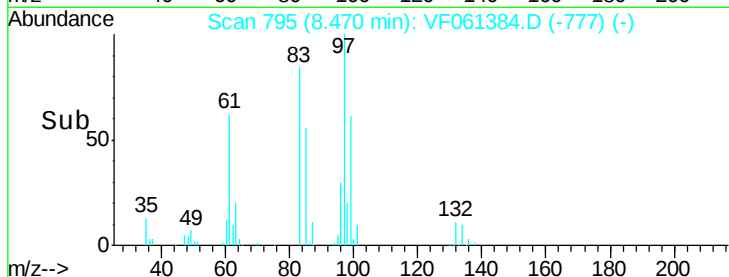
Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

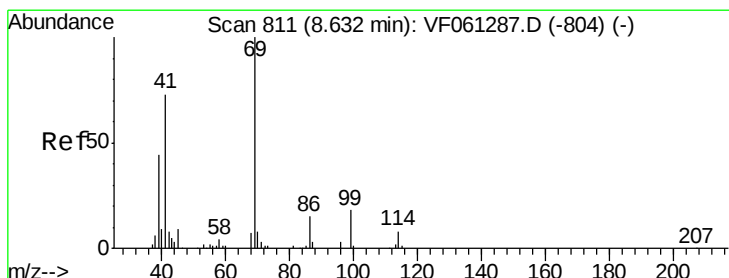
Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0

Time-->



Time-->



#56

Ethyl methacrylate

Concen: 56.096 ug/l

RT: 8.60 min Scan# 808

Delta R.T. -0.03 min

Lab File: VF061384.D

Acq: 14 Jan 2019 12:25

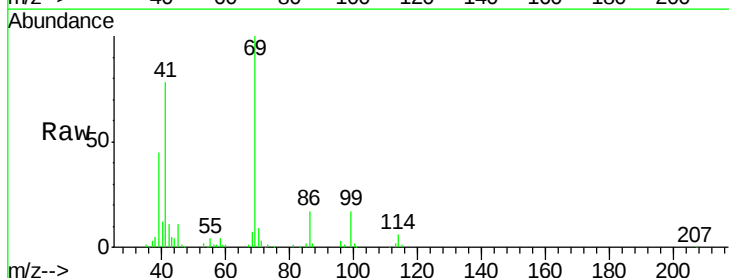
Tgt Ion: 69 Resp: 93026

Ion	Ratio	Lower	Upper
69	100		
41	78.3	59.0	88.4
39	45.4	35.3	52.9

69 100

41 78.3 59.0 88.4

39 45.4 35.3 52.9

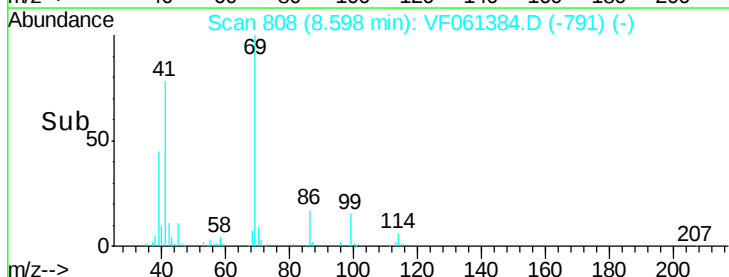


Abundance Ion 69.00 (68.70 to 69.70): VF0

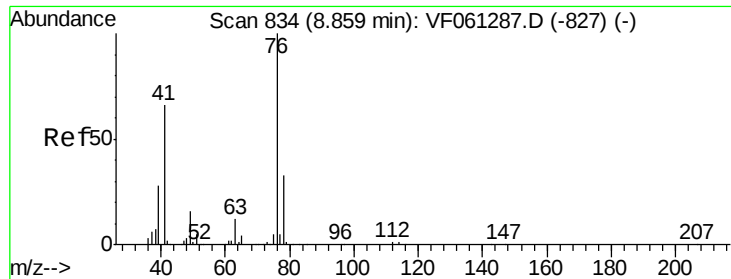
Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Time-->



Time-->



#57

1,3-Dichloropropane

Concen: 57.380 ug/l

RT: 8.82 min Scan# 831

Delta R.T. -0.03 min

Lab File: VF061384.D

Acq: 14 Jan 2019 12:25

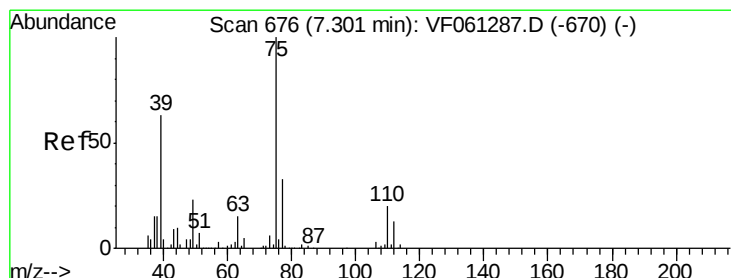
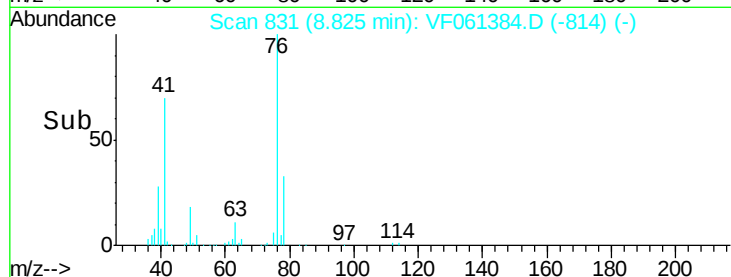
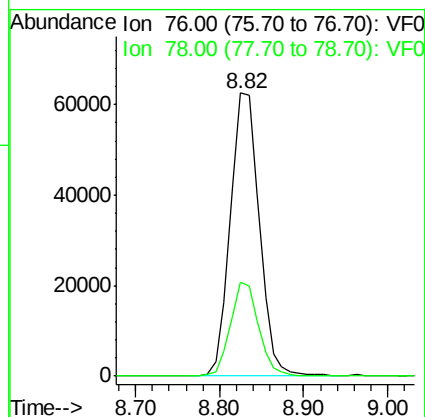
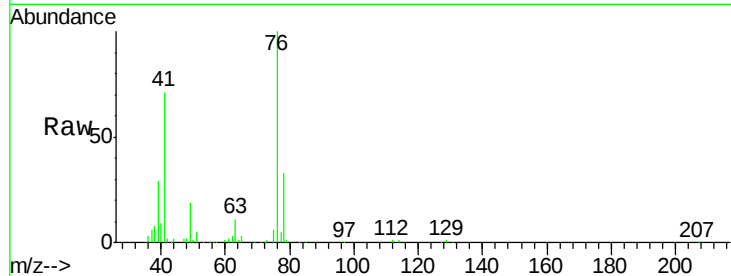
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 76 Resp: 150679

Ion Ratio Lower Upper

76 100

78 33.4 26.8 40.2



#58

2-Chloroethyl Vinyl ether

Concen: 362.092 ug/l

RT: 7.27 min Scan# 673

Delta R.T. -0.03 min

Lab File: VF061384.D

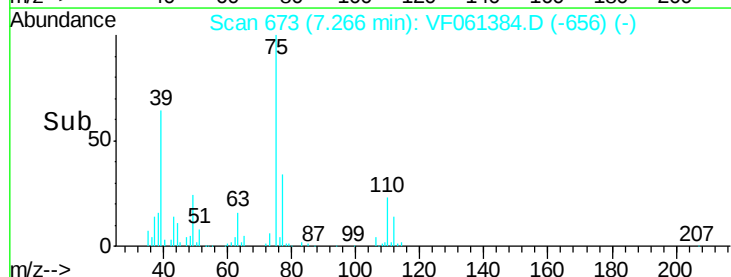
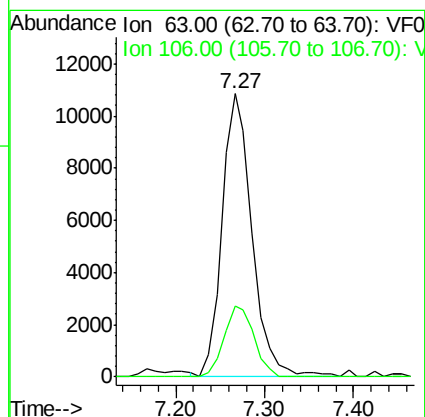
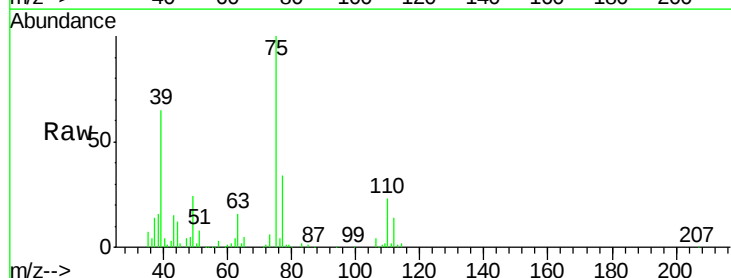
Acq: 14 Jan 2019 12:25

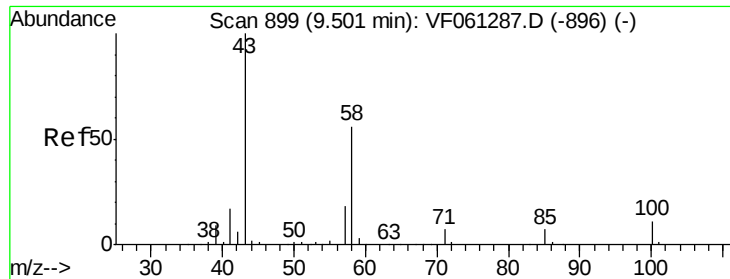
Tgt Ion: 63 Resp: 25589

Ion Ratio Lower Upper

63 100

106 25.2 16.5 24.7#

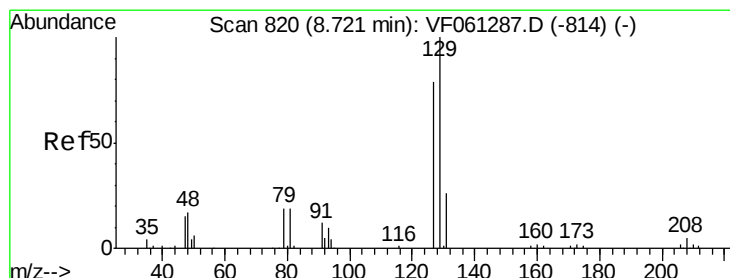
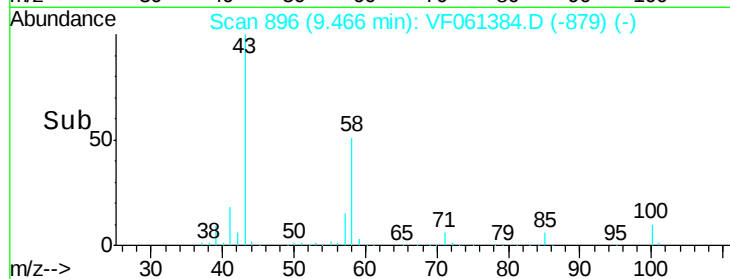
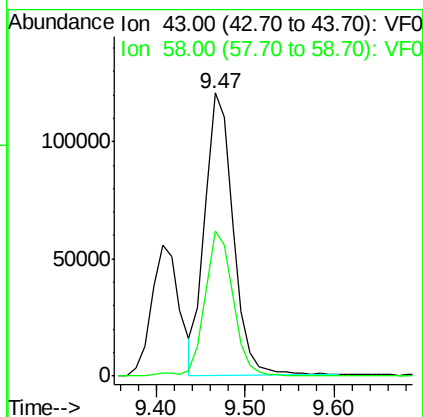
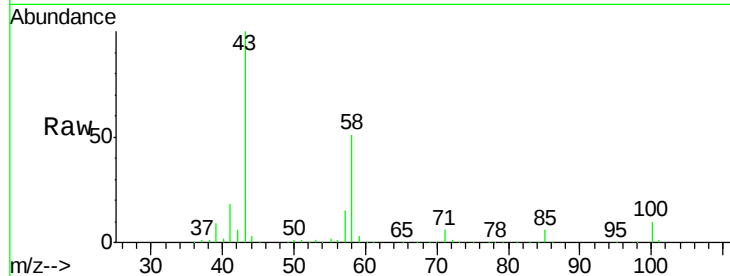




#59
2-Hexanone
Concen: 291.207 ug/l
RT: 9.47 min Scan# 896
Delta R.T. -0.03 min
Lab File: VF061384.D
Acq: 14 Jan 2019 12:25

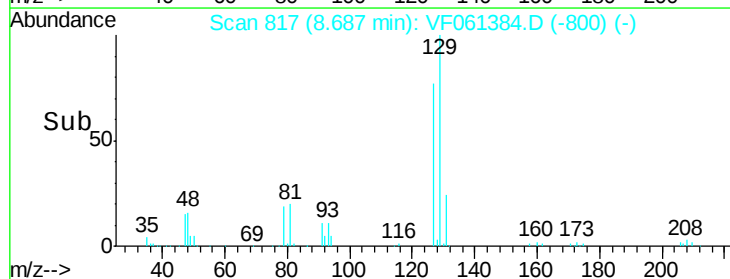
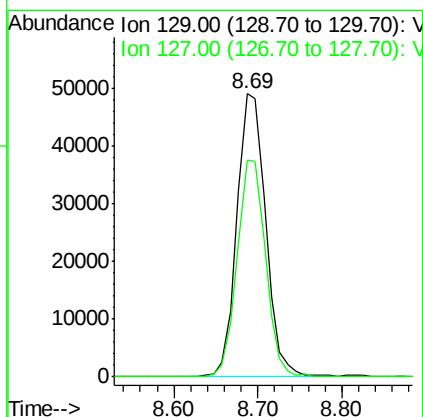
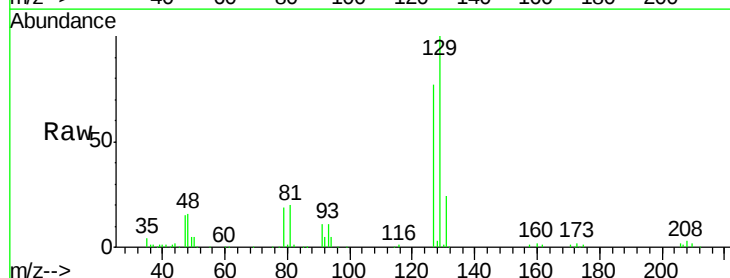
Instrument :
MSVOA_F
ClientSampleId :

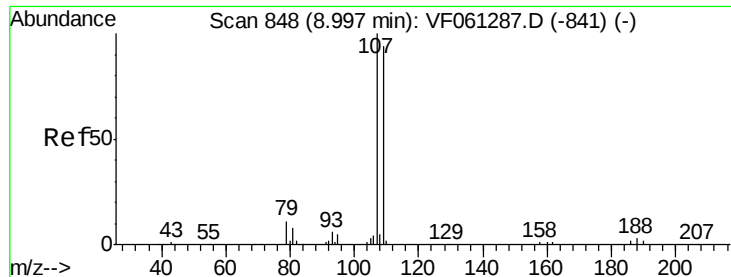
Tot Ion: 43 Resp: 264545
Ion Ratio Lower Upper
43 100
58 51.1 25.6 76.8



#60
Dibromochloromethane
Concen: 59.489 ug/l
RT: 8.69 min Scan# 817
Delta R.T. -0.03 min
Lab File: VF061384.D
Acq: 14 Jan 2019 12:25

Tgt Ion:129 Resp: 117538
Ion Ratio Lower Upper
129 100
127 76.8 39.4 118.1





#61

1,2-Dibromoethane

Concen: 57.286 ug/l

RT: 8.96 min Scan# 845

Delta R.T. -0.03 min

Lab File: VF061384.D

Acq: 14 Jan 2019 12:25

Instrument :

MSVOA_F

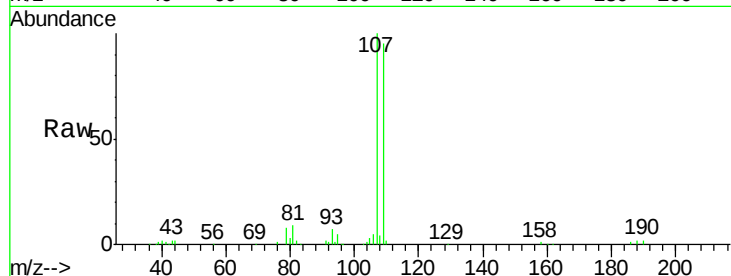
ClientSampleId :

Tot Ion:107 Resp: 86646

Ion Ratio Lower Upper

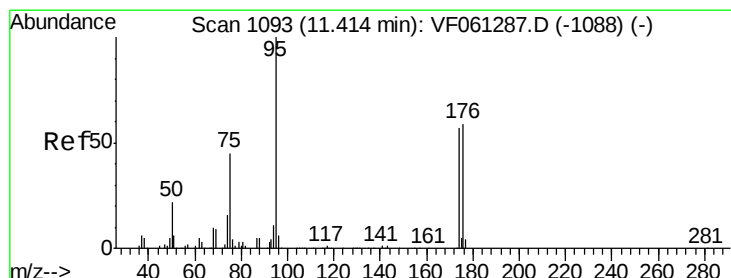
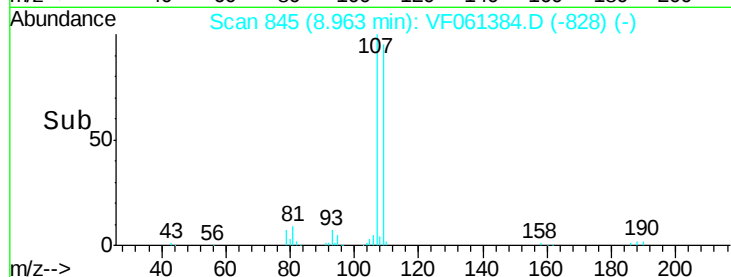
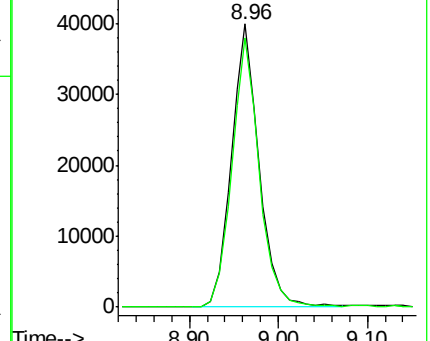
107 100

109 95.0 75.1 112.7



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 51.052 ug/l

RT: 11.39 min Scan# 1091

Delta R.T. -0.02 min

Lab File: VF061384.D

Acq: 14 Jan 2019 12:25

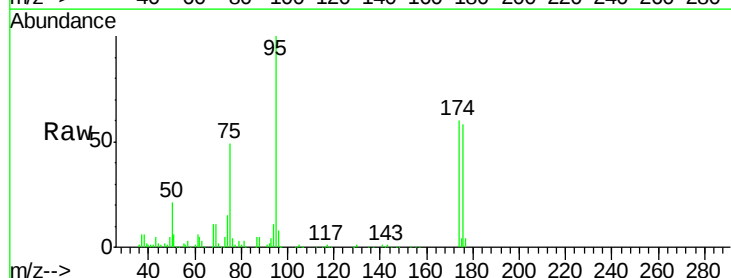
Tgt Ion: 95 Resp: 152739

Ion Ratio Lower Upper

95 100

174 60.4 0.0 114.2

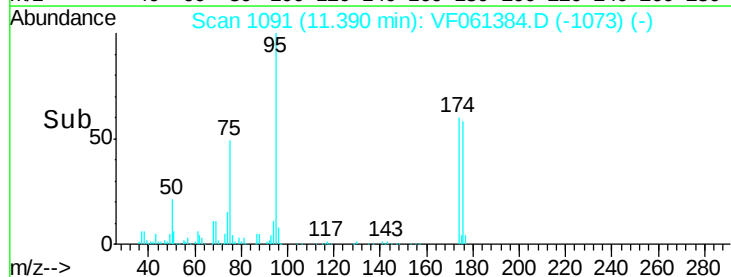
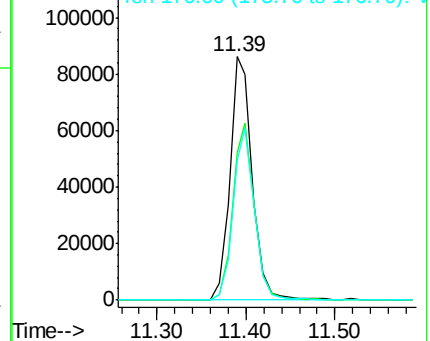
176 57.7 0.0 117.8

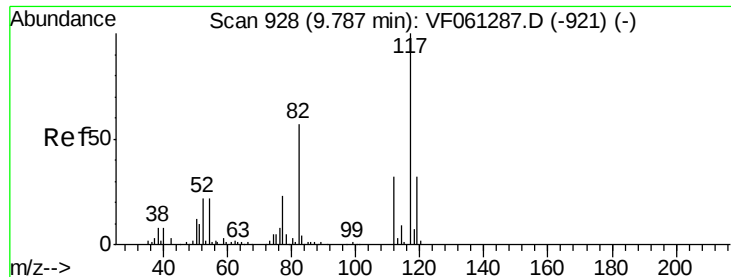


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

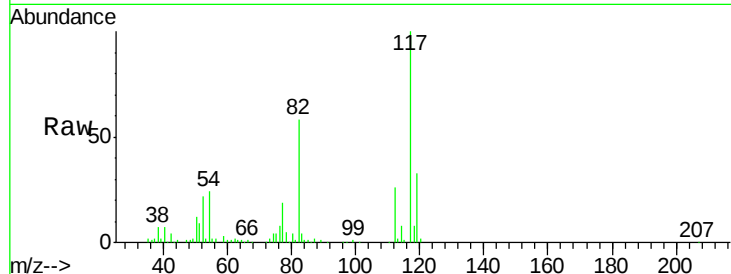




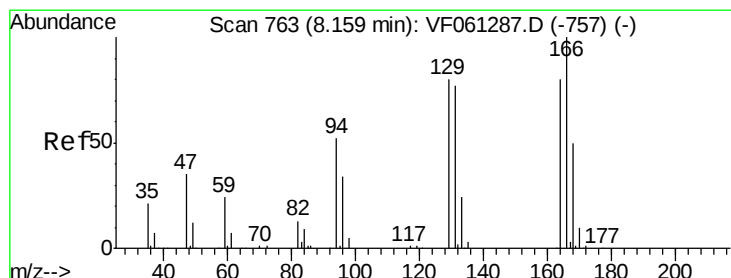
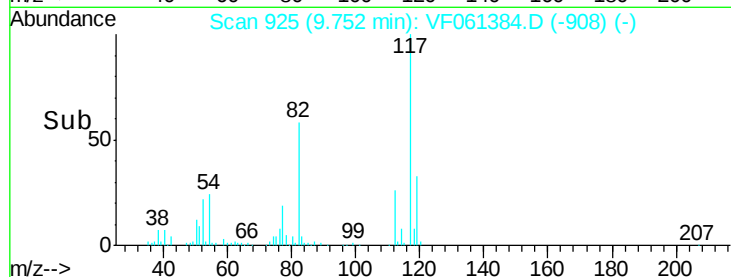
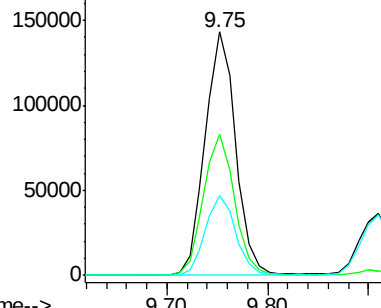
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.75 min Scan# 925
Delta R.T. -0.03 min
Lab File: VF061384.D
Acq: 14 Jan 2019 12:25

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:117 Resp: 304164
Ion Ratio Lower Upper
117 100
82 57.9 45.3 67.9
119 32.7 25.4 38.0



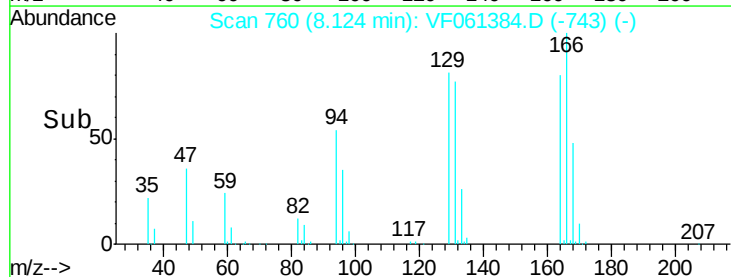
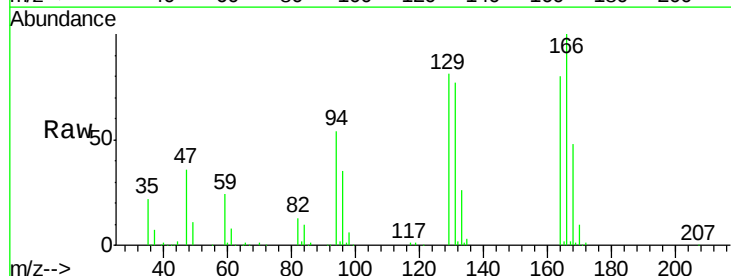
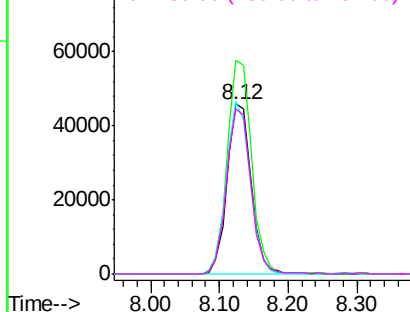
Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

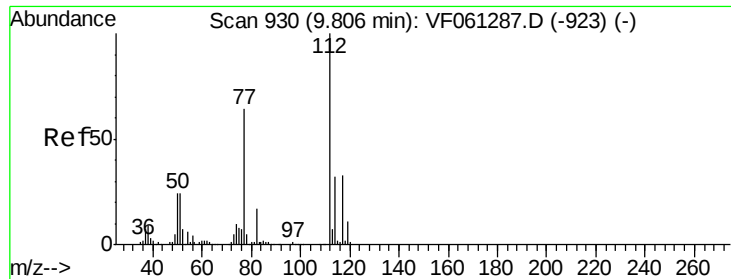


#64
Tetrachloroethene
Concen: 50.515 ug/l
RT: 8.12 min Scan# 760
Delta R.T. -0.03 min
Lab File: VF061384.D
Acq: 14 Jan 2019 12:25

Tgt Ion:164 Resp: 111869
Ion Ratio Lower Upper
164 100
166 125.5 100.1 150.1
129 101.8 80.1 120.1
131 97.0 76.7 115.1

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

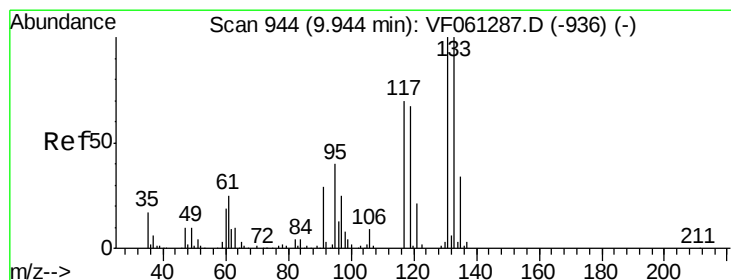
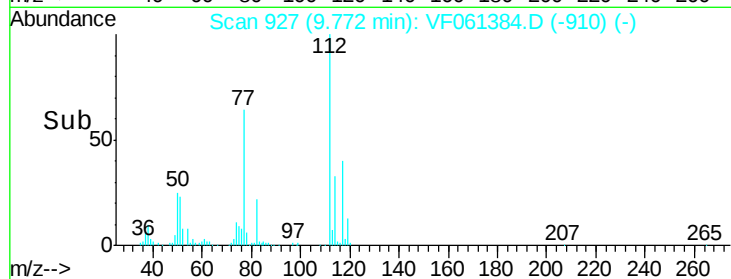
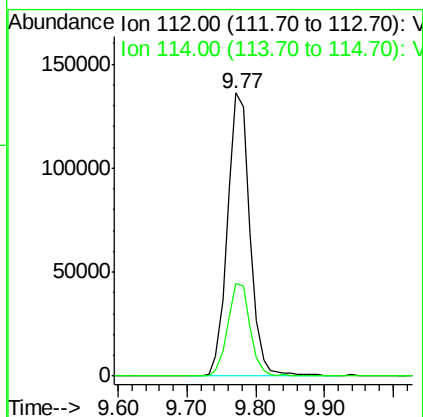
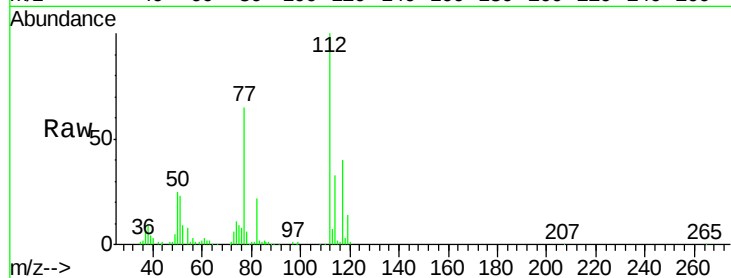




#65
Chlorobenzene
Concen: 49.986 ug/l
RT: 9.77 min Scan# 927
Delta R.T. -0.03 min
Lab File: VF061384.D
Acq: 14 Jan 2019 12:25

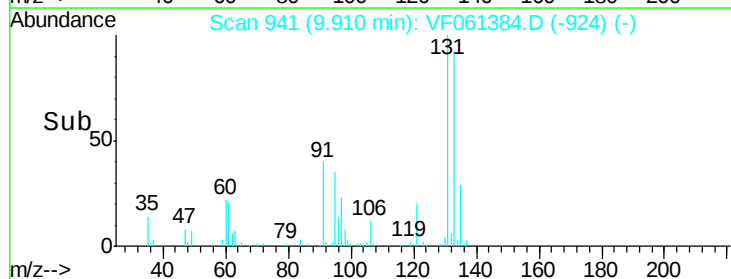
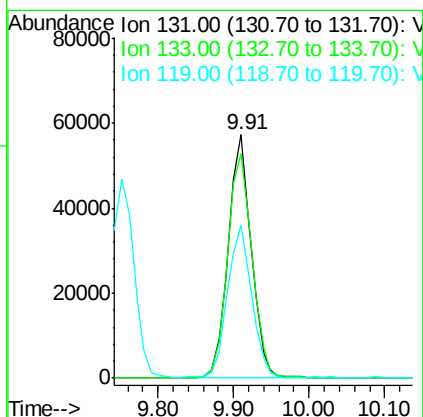
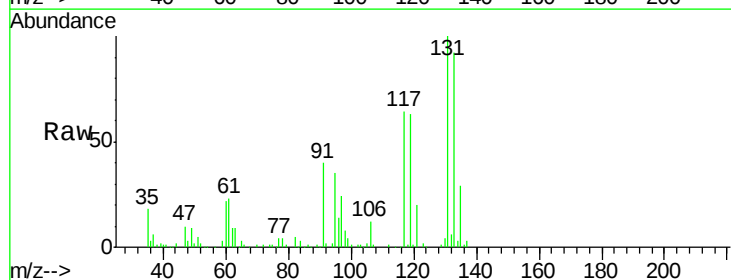
Instrument :
MSVOA_F
ClientSampleId :

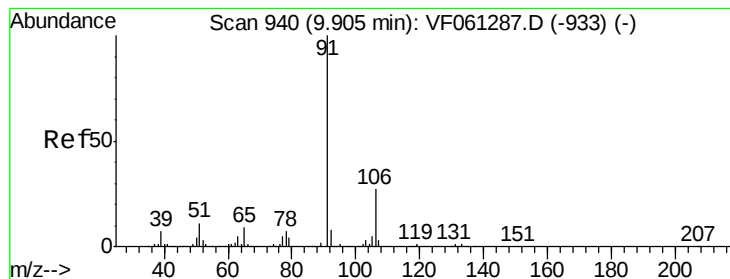
Tot Ion:112 Resp: 307022
Ion Ratio Lower Upper
112 100
114 32.8 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 48.013 ug/l
RT: 9.91 min Scan# 941
Delta R.T. -0.03 min
Lab File: VF061384.D
Acq: 14 Jan 2019 12:25

Tgt Ion:131 Resp: 120333
Ion Ratio Lower Upper
131 100
133 92.0 49.9 149.6
119 62.8 33.9 101.6





#67

Ethyl Benzene

Concen: 44.423 ug/l

RT: 9.88 min Scan# 938

Delta R.T. -0.02 min

Lab File: VF061384.D

Acq: 14 Jan 2019 12:25

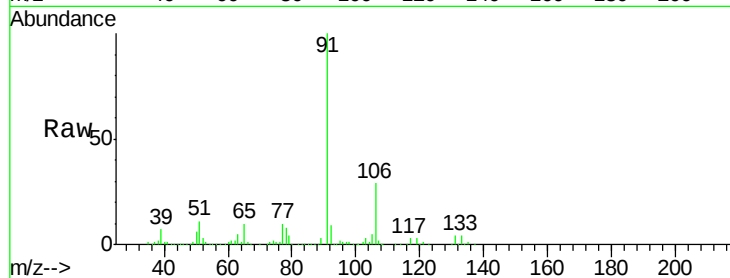
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 91 Resp: 526082

Ion Ratio Lower Upper

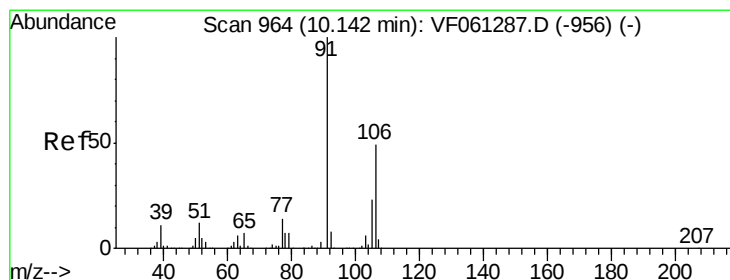
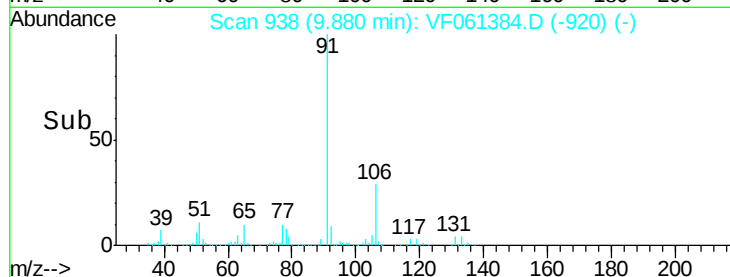
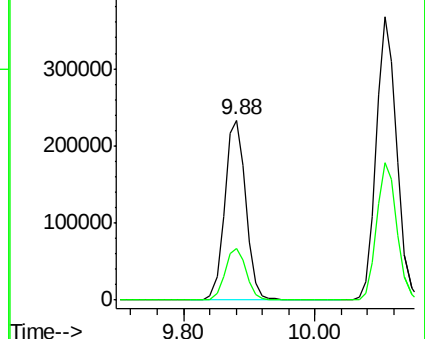
91 100

106 28.6 21.4 32.2



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 93.178 ug/l

RT: 10.11 min Scan# 961

Delta R.T. -0.03 min

Lab File: VF061384.D

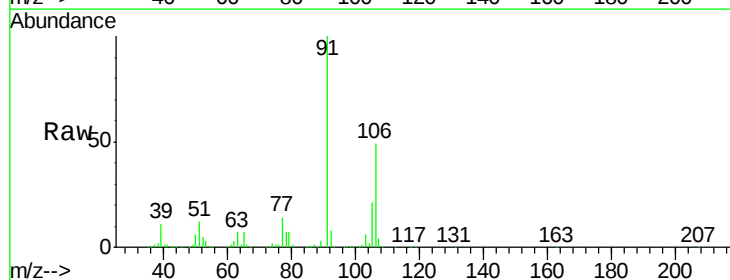
Acq: 14 Jan 2019 12:25

Tgt Ion: 106 Resp: 384912

Ion Ratio Lower Upper

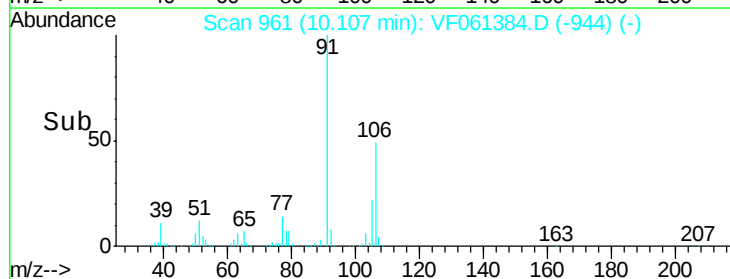
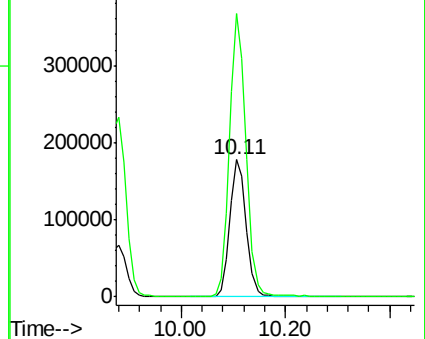
106 100

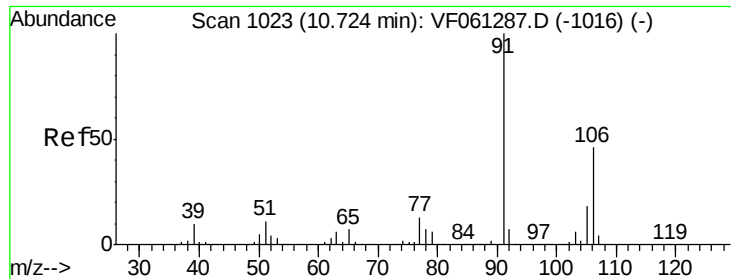
91 206.0 165.0 247.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

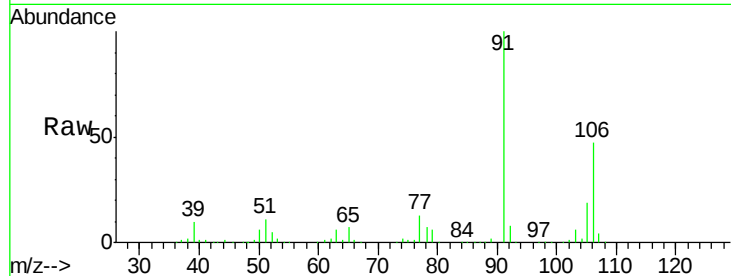




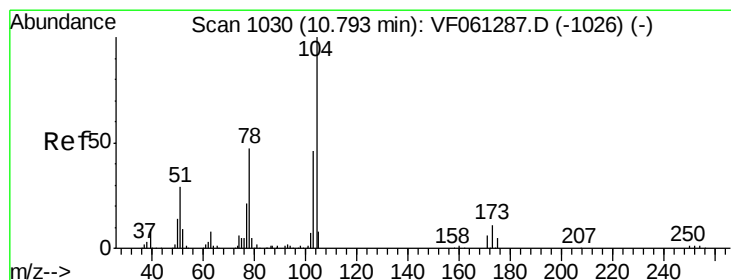
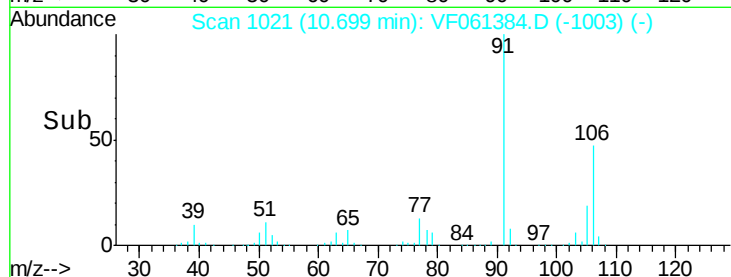
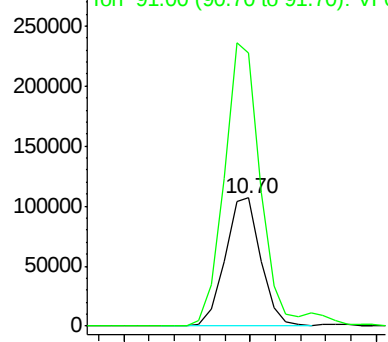
#69
o-Xylene
Concen: 45.452 ug/l
RT: 10.70 min Scan# 1021
Delta R.T. -0.02 min
Lab File: VF061384.D
Acq: 14 Jan 2019 12:25

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:106 Resp: 209742
Ion Ratio Lower Upper
106 100
91 213.5 108.1 324.4

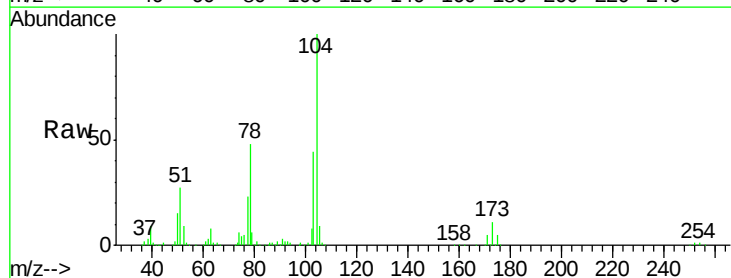


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VF0

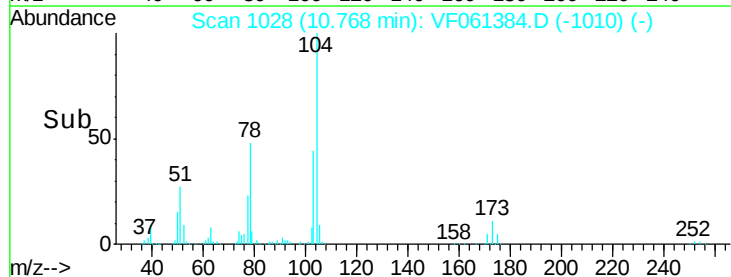
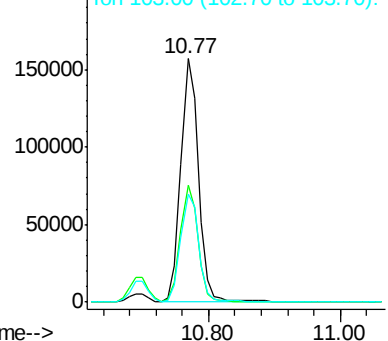


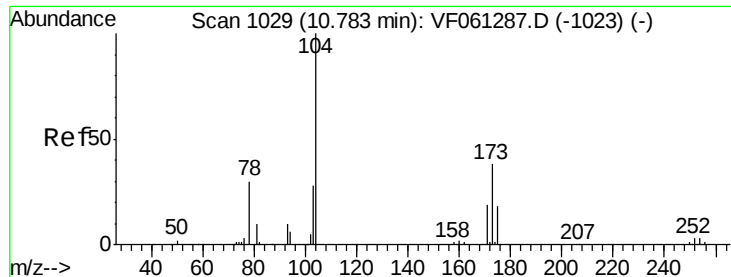
#70
Styrene
Concen: 46.500 ug/l
RT: 10.77 min Scan# 1028
Delta R.T. -0.02 min
Lab File: VF061384.D
Acq: 14 Jan 2019 12:25

Tgt Ion:104 Resp: 285852
Ion Ratio Lower Upper
104 100
78 48.1 38.0 57.0
103 44.5 36.7 55.1



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





#71

Bromoform

Concen: 57.737 ug/l

RT: 10.75 min Scan# 1026

Delta R.T. -0.03 min

Lab File: VF061384.D

Acq: 14 Jan 2019 12:25

Instrument :

MSVOA_F

ClientSampleId :

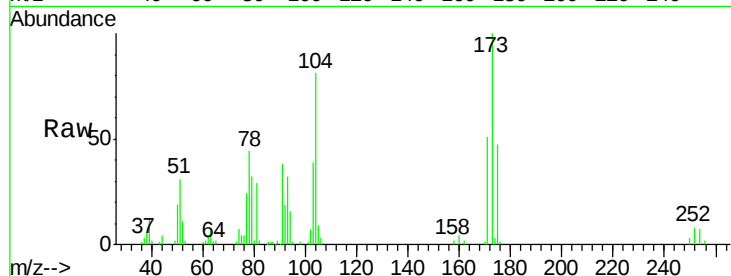
Tot Ion:173 Resp: 59137

Ion Ratio Lower Upper

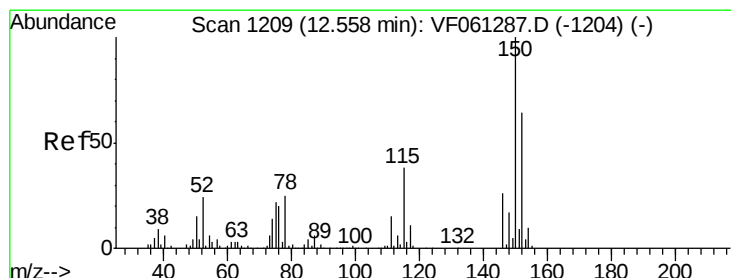
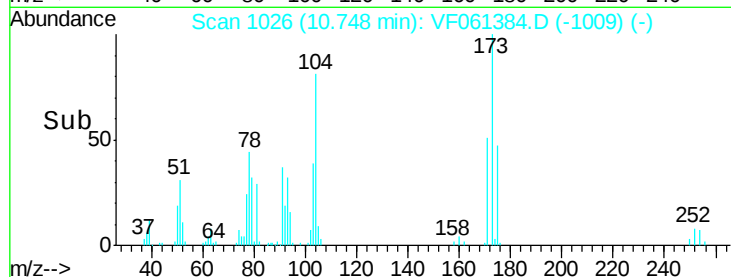
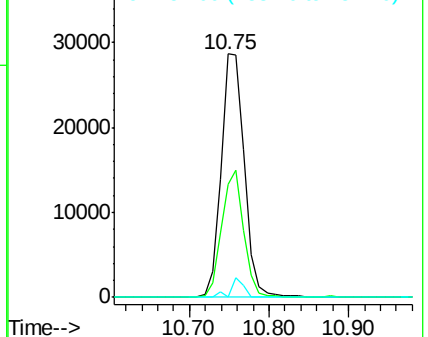
173 100

175 46.6 24.1 72.2

254 0.0 0.0 0.0



Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.53 min Scan# 1207

Delta R.T. -0.02 min

Lab File: VF061384.D

Acq: 14 Jan 2019 12:25

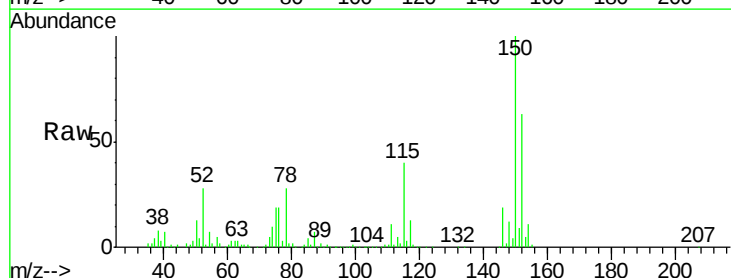
Tgt Ion:152 Resp: 140396

Ion Ratio Lower Upper

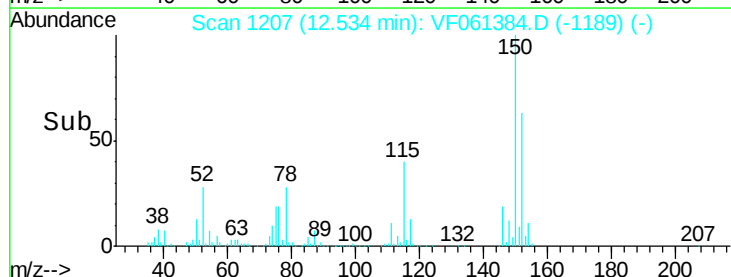
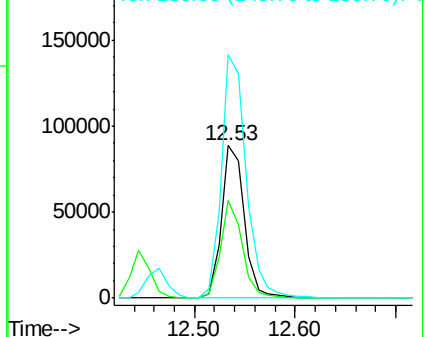
152 100

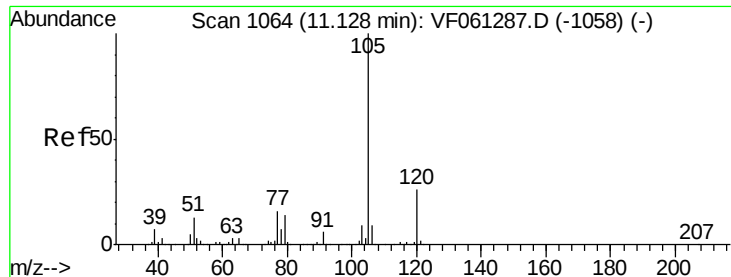
115 63.7 29.6 88.9

150 159.7 0.0 315.4



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: 52.911 ug/l

RT: 11.10 min Scan# 1062

Delta R.T. -0.02 min

Lab File: VF061384.D

Acq: 14 Jan 2019 12:25

Instrument :

MSVOA_F

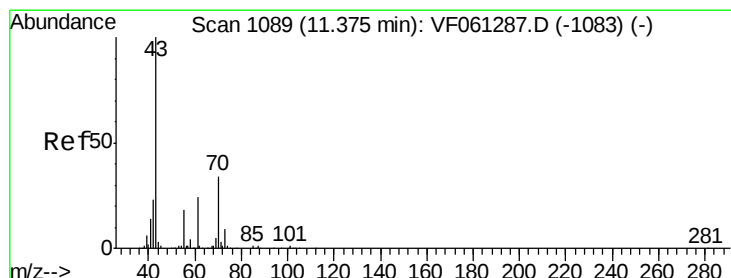
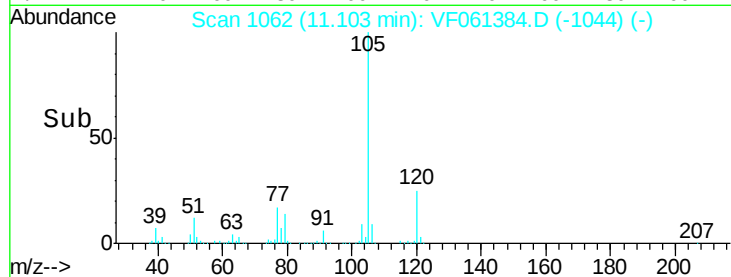
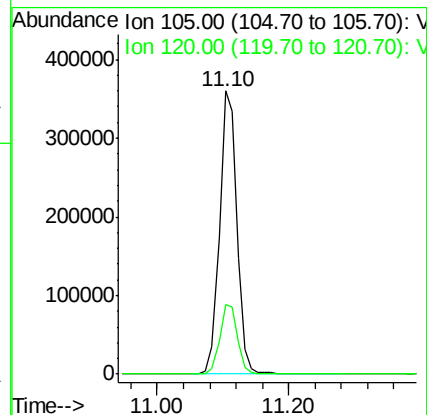
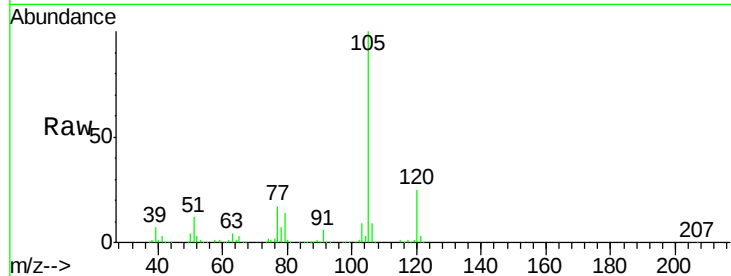
ClientSampleId :

Tot Ion:105 Resp: 653665

Ion Ratio Lower Upper

105 100

120 24.8 12.9 38.7



#74

N-ethyl acetate

Concen: 54.760 ug/l

RT: 11.36 min Scan# 1088

Delta R.T. -0.01 min

Lab File: VF061384.D

Acq: 14 Jan 2019 12:25

Tgt Ion: 43 Resp: 153784

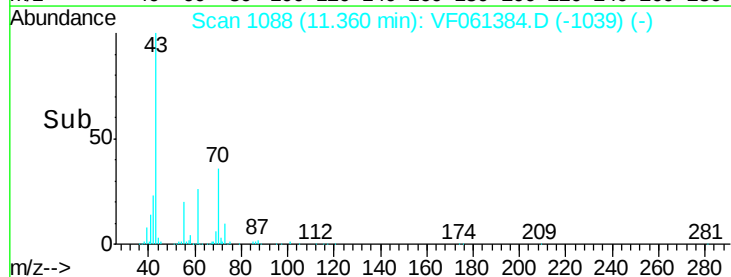
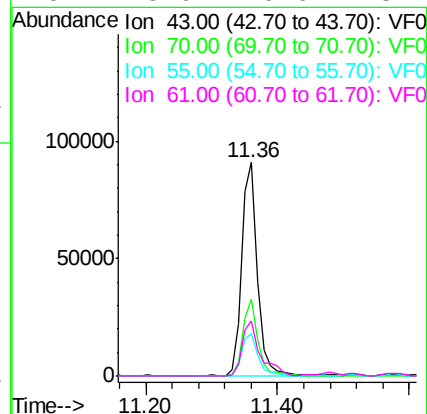
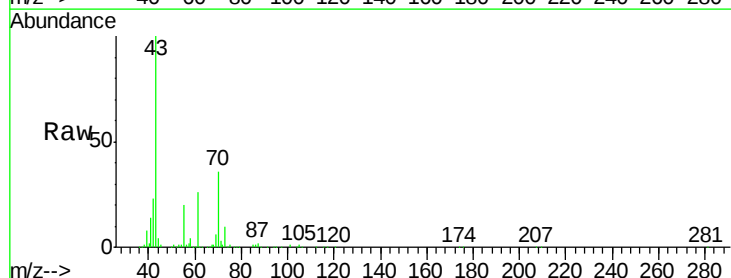
Ion Ratio Lower Upper

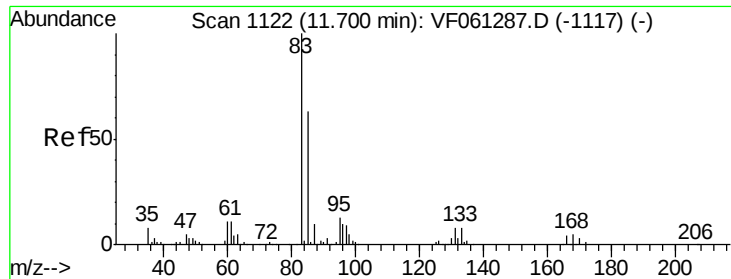
43 100

70 36.0 27.4 41.0

55 19.8 14.7 22.1

61 25.9 19.0 28.4





#75

1,1,2,2-Tetrachloroethane

Concen: 53.532 ug/l

RT: 11.68 min Scan# 1120

Delta R.T. -0.02 min

Lab File: VF061384.D

Acq: 14 Jan 2019 12:25

Instrument :

MSVOA_F

ClientSampled :

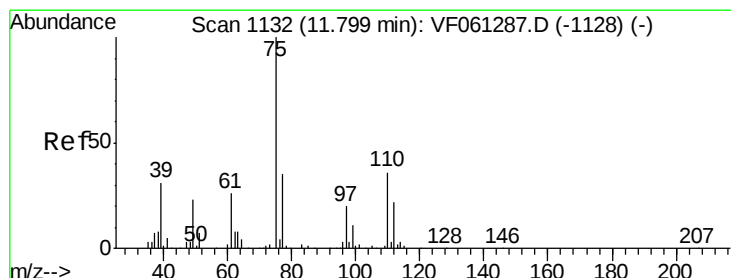
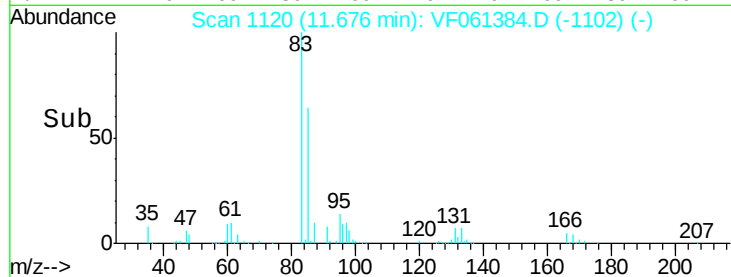
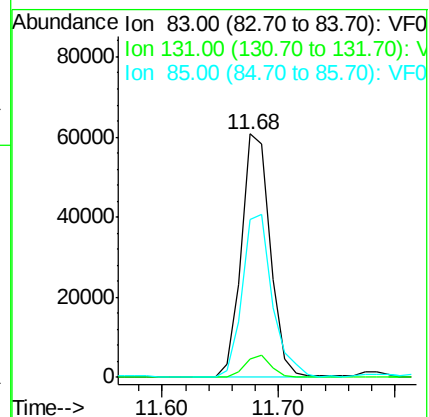
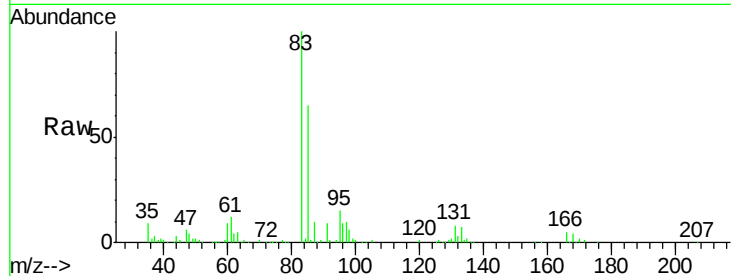
Tot Ion: 83 Resp: 104859

Ion Ratio Lower Upper

83 100

131 7.6 3.9 11.7

85 64.6 31.6 94.7



#76

1,2,3-Trichloropropane

Concen: 53.866 ug/l

RT: 11.77 min Scan# 1130

Delta R.T. -0.02 min

Lab File: VF061384.D

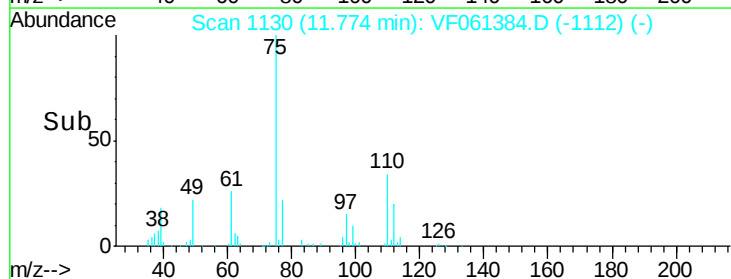
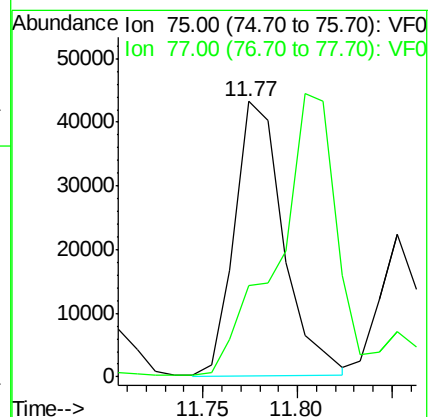
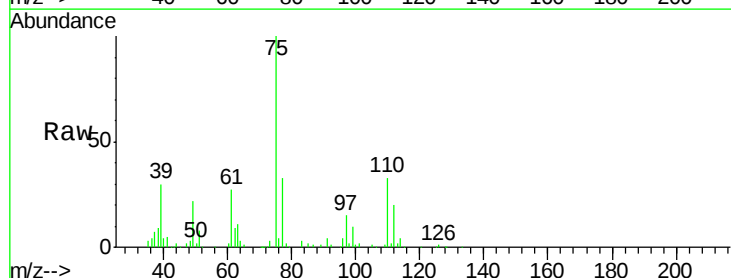
Acq: 14 Jan 2019 12:25

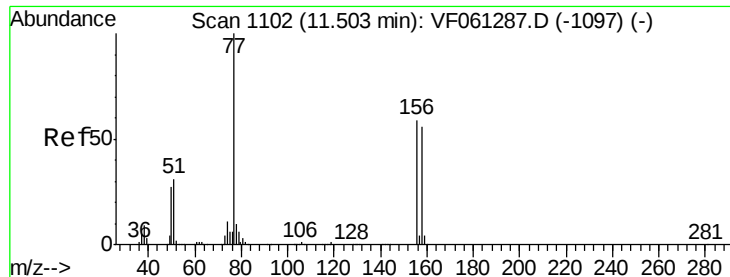
Tgt Ion: 75 Resp: 77388

Ion Ratio Lower Upper

75 100

77 33.0 17.5 52.5





#77

Bromobenzene

Concen: 53.498 ug/l

RT: 11.48 min Scan# 1100

Delta R.T. -0.02 min

Lab File: VF061384.D

Acq: 14 Jan 2019 12:25

Instrument :

MSVOA_F

ClientSampleId :

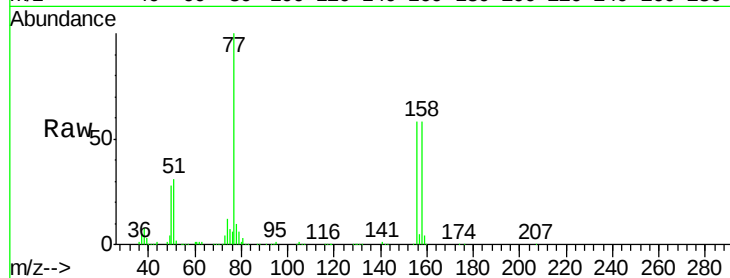
Tot Ion:156 Resp: 131486

Ion Ratio Lower Upper

156 100

77 173.5 84.3 252.9

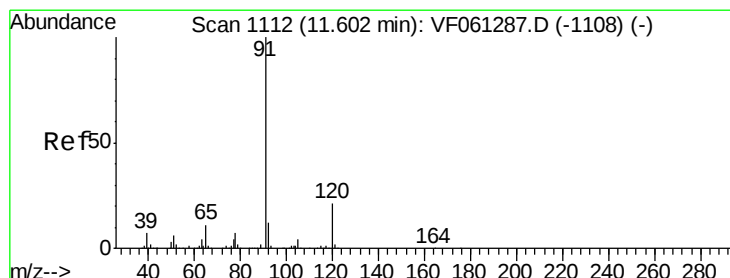
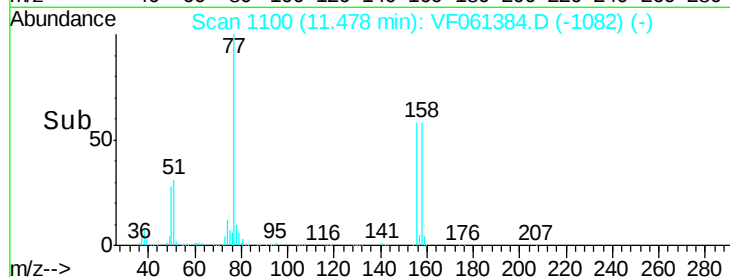
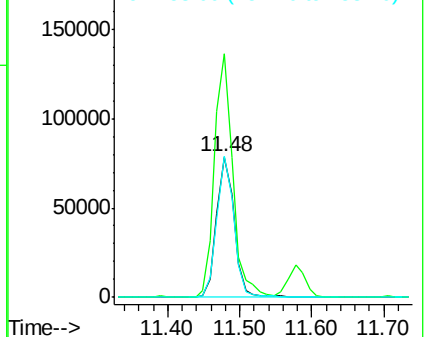
158 101.0 47.1 141.3



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 48.020 ug/l

RT: 11.58 min Scan# 1110

Delta R.T. -0.02 min

Lab File: VF061384.D

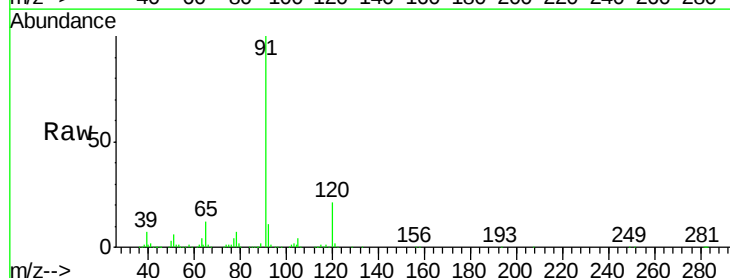
Acq: 14 Jan 2019 12:25

Tgt Ion: 91 Resp: 707317

Ion Ratio Lower Upper

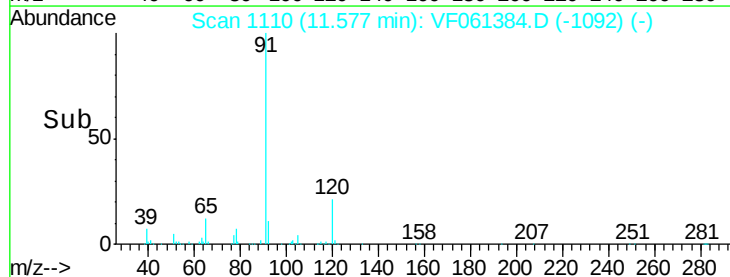
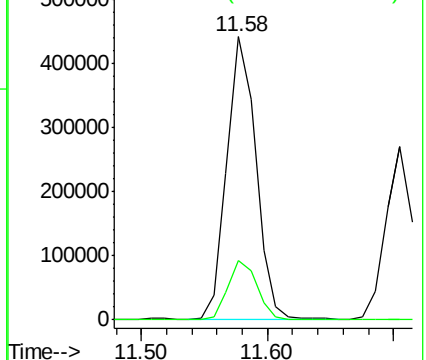
91 100

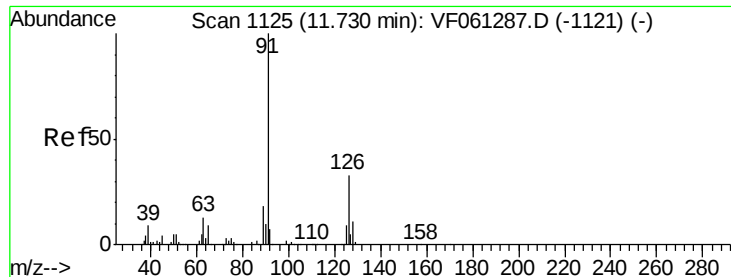
120 20.8 10.7 32.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

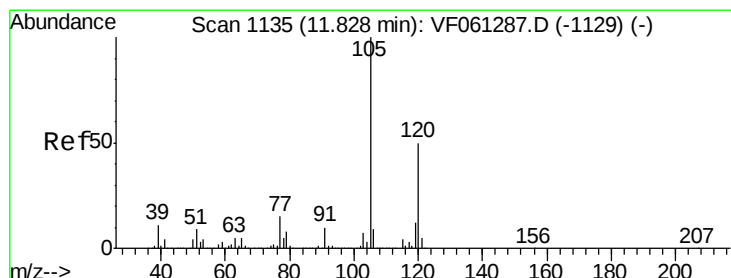
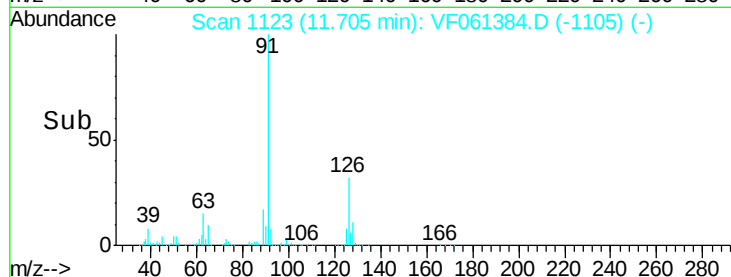
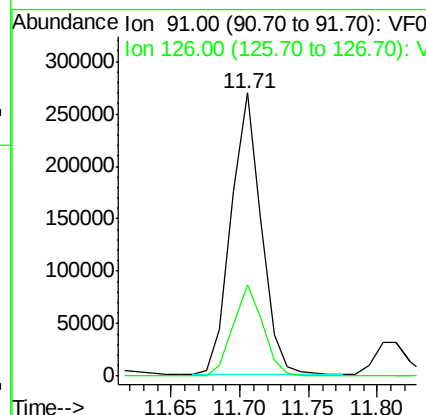
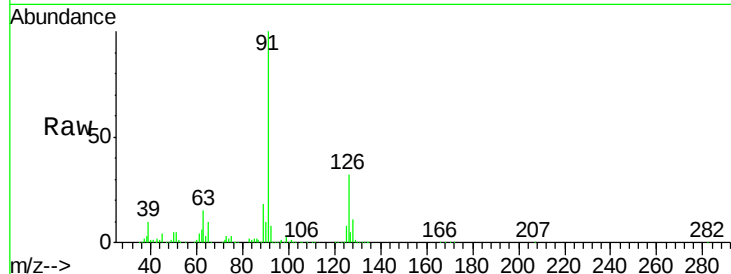




#79
 2-Chlorotoluene
 Concen: 49.877 ug/l
 RT: 11.71 min Scan# 1123
 Delta R.T. -0.02 min
 Lab File: VF061384.D
 Acq: 14 Jan 2019 12:25

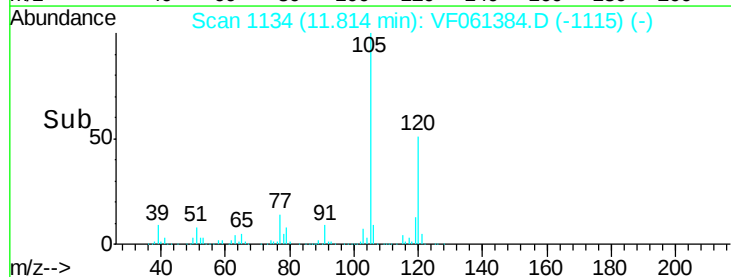
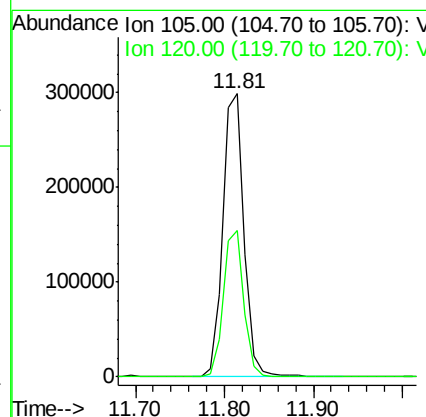
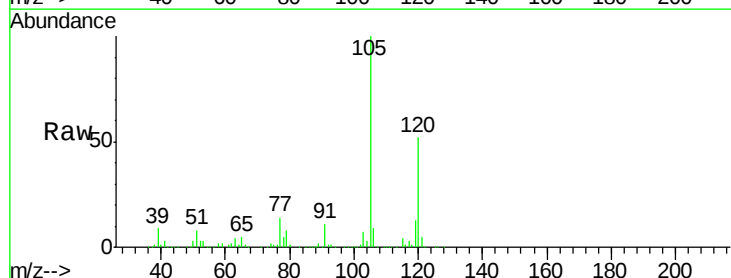
Instrument :
 MSVOA_F
 ClientSampleId :

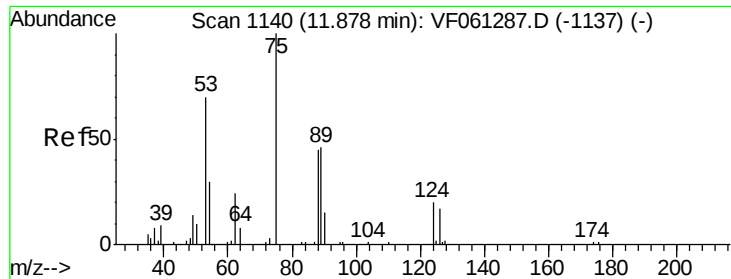
Tot Ion: 91 Resp: 409321
 Ion Ratio Lower Upper
 91 100
 126 32.4 16.6 49.8



#80
 1,3,5-Trimethylbenzene
 Concen: 50.975 ug/l
 RT: 11.81 min Scan# 1134
 Delta R.T. -0.01 min
 Lab File: VF061384.D
 Acq: 14 Jan 2019 12:25

Tgt Ion: 105 Resp: 501098
 Ion Ratio Lower Upper
 105 100
 120 51.7 25.2 75.6

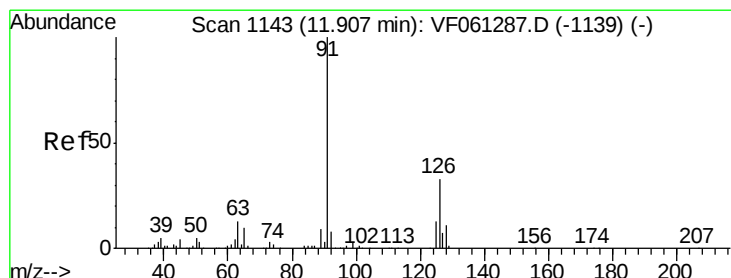
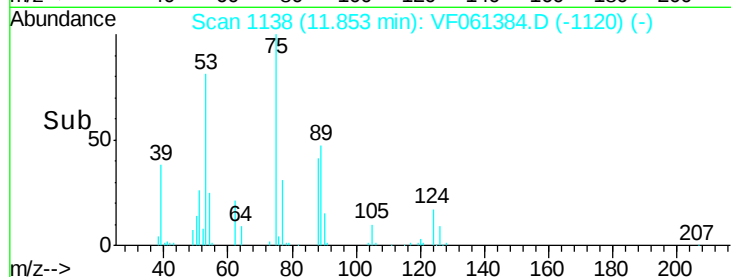
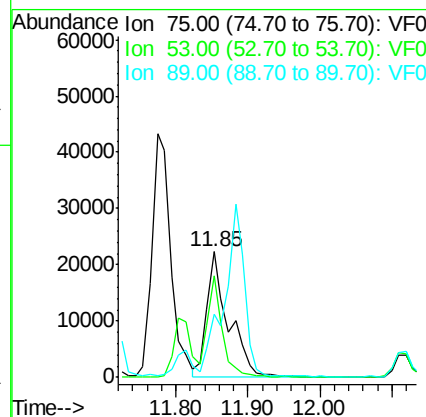
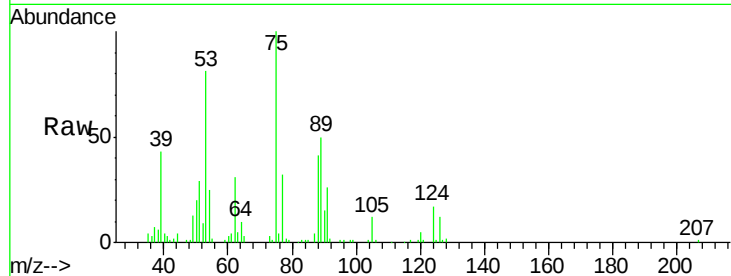




#81
trans-1,4-Dichloro-2-butene
Concen: 75.285 ug/l
RT: 11.85 min Scan# 1138
Delta R.T. -0.02 min
Lab File: VF061384.D
Acq: 14 Jan 2019 12:25

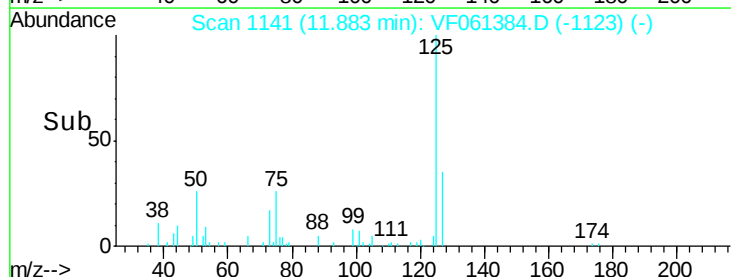
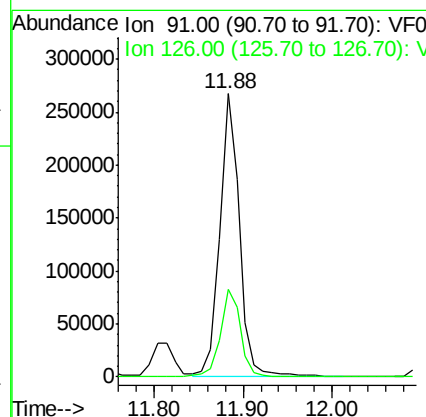
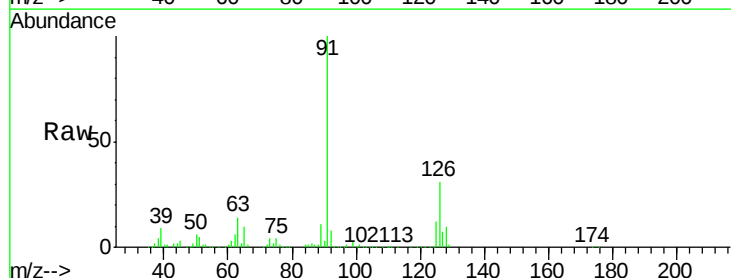
Instrument :
MSVOA_F
ClientSampleId :

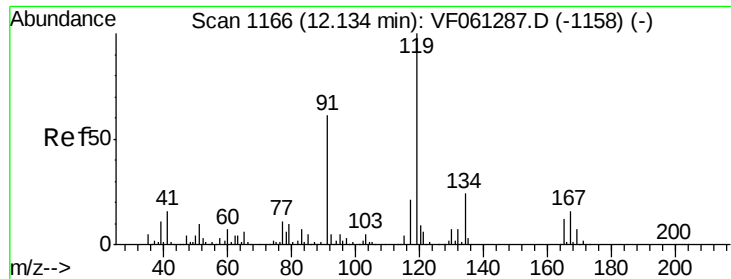
Tot Ion: 75 Resp: 47265
Ion Ratio Lower Upper
75 100
53 80.7 62.2 93.2
89 50.1 40.2 60.4



#82
4-Chlorotoluene
Concen: 48.824 ug/l
RT: 11.88 min Scan# 1141
Delta R.T. -0.02 min
Lab File: VF061384.D
Acq: 14 Jan 2019 12:25

Tgt Ion: 91 Resp: 407144
Ion Ratio Lower Upper
91 100
126 31.1 16.4 49.4

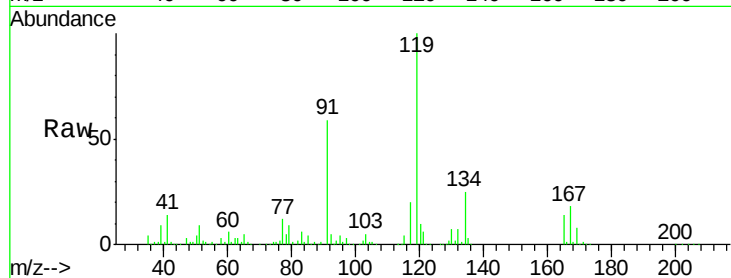




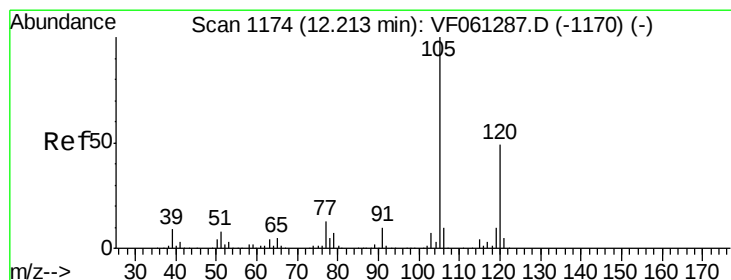
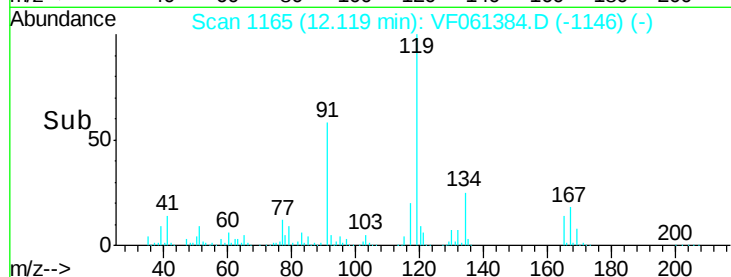
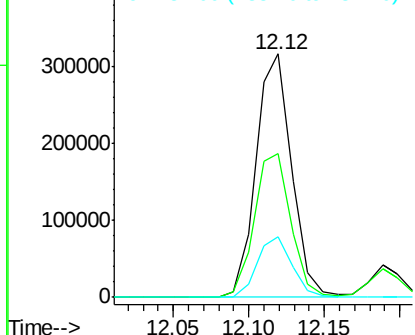
#83
tert-Butylbenzene
Concen: 53.183 ug/l
RT: 12.12 min Scan# 1165
Delta R.T. -0.01 min
Lab File: VF061384.D
Acq: 14 Jan 2019 12:25

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:119 Resp: 520864
Ion Ratio Lower Upper
119 100
91 59.0 30.8 92.4
134 25.0 11.9 35.9

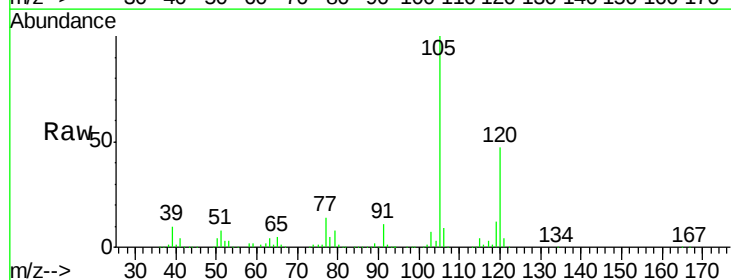


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VF0
Ion 134.00 (133.70 to 134.70): V

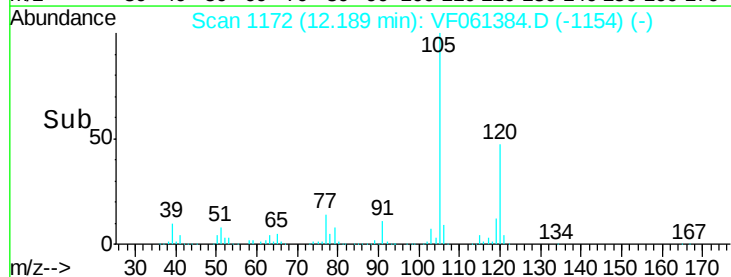
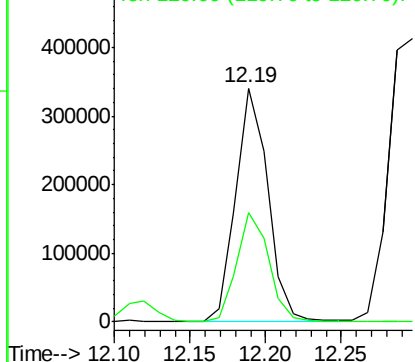


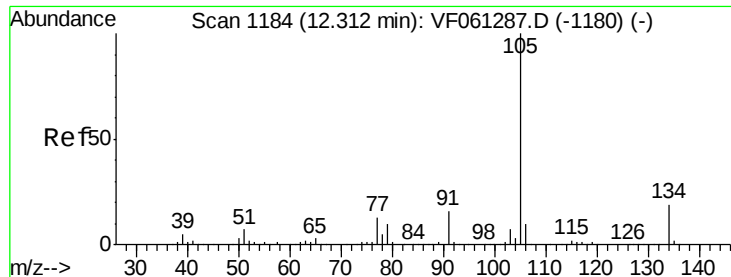
#84
1,2,4-Trimethylbenzene
Concen: 51.644 ug/l
RT: 12.19 min Scan# 1172
Delta R.T. -0.02 min
Lab File: VF061384.D
Acq: 14 Jan 2019 12:25

Tgt Ion:105 Resp: 504033
Ion Ratio Lower Upper
105 100
120 46.8 24.7 74.1



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





#85

sec-Butylbenzene

Concen: 48.703 ug/l

RT: 12.30 min Scan# 1183

Delta R.T. -0.01 min

Lab File: VF061384.D

Acq: 14 Jan 2019 12:25

Instrument :

MSVOA_F

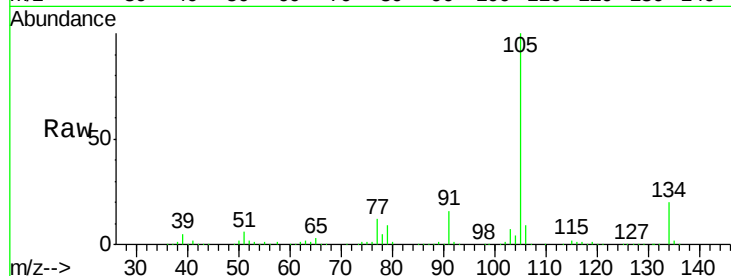
ClientSampled :

Tot Ion:105 Resp: 679174

Ion Ratio Lower Upper

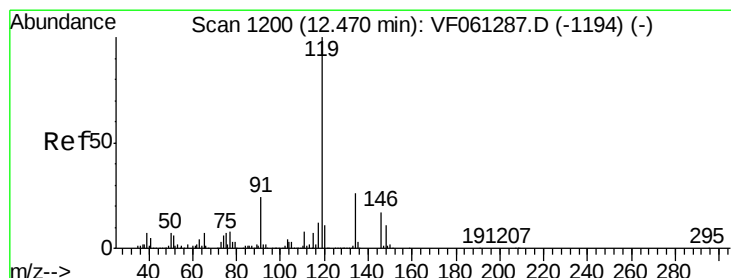
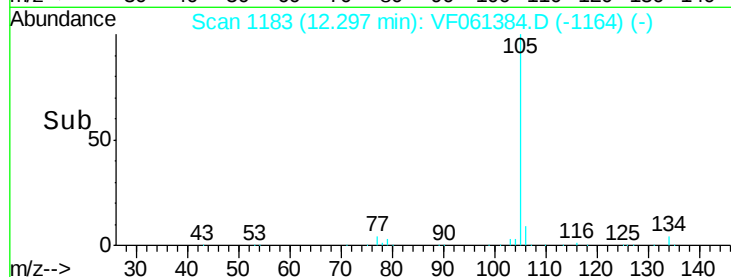
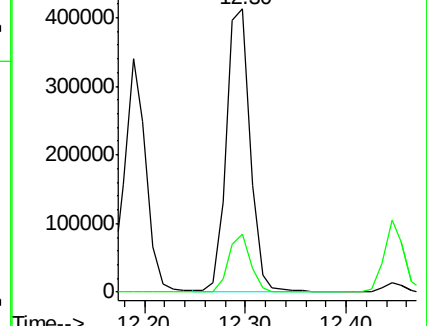
105 100

134 20.4 9.7 28.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 50.993 ug/l

RT: 12.45 min Scan# 1198

Delta R.T. -0.02 min

Lab File: VF061384.D

Acq: 14 Jan 2019 12:25

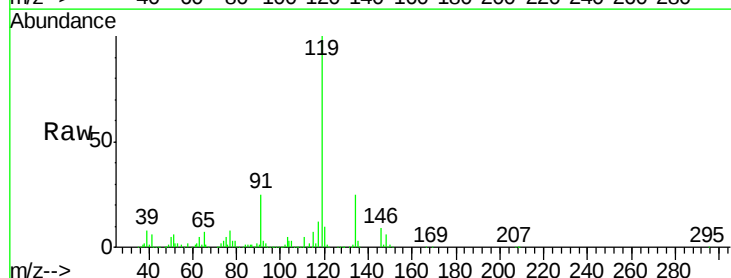
Tgt Ion:119 Resp: 578390

Ion Ratio Lower Upper

119 100

134 25.3 13.0 39.0

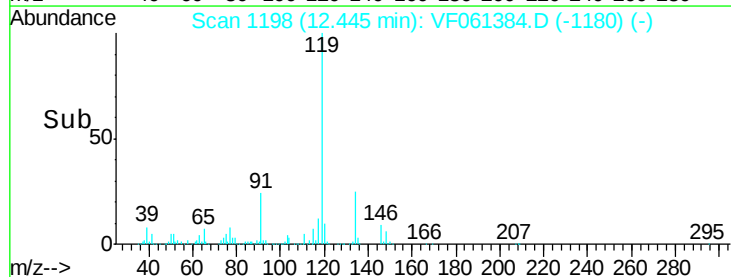
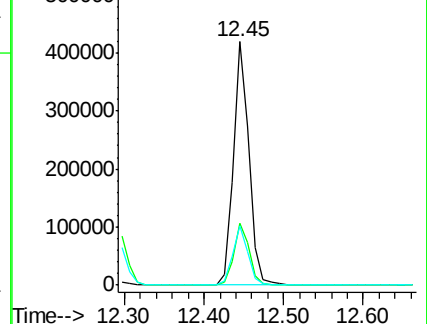
91 24.6 12.2 36.4

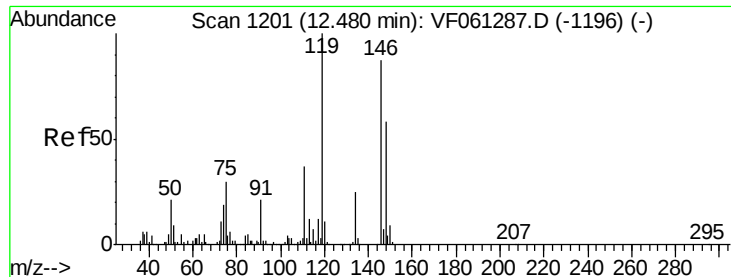


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0

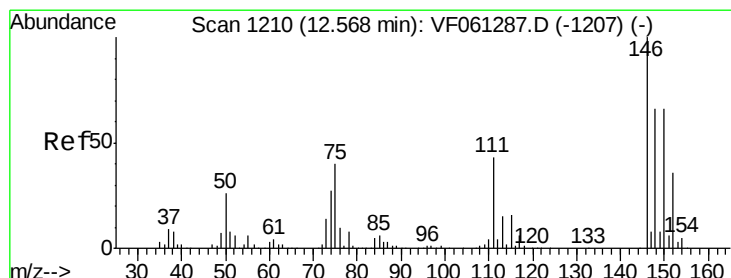
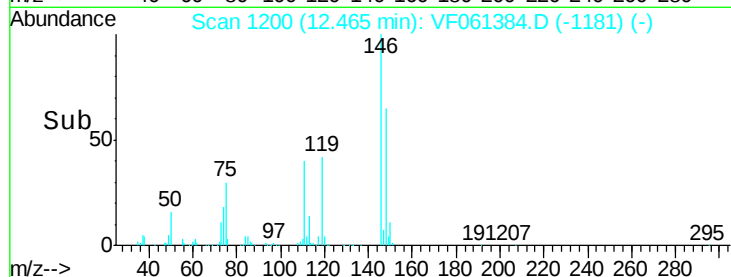
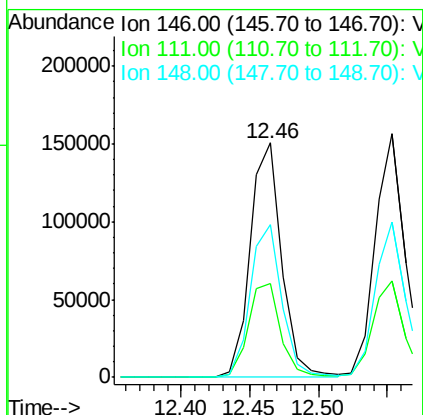
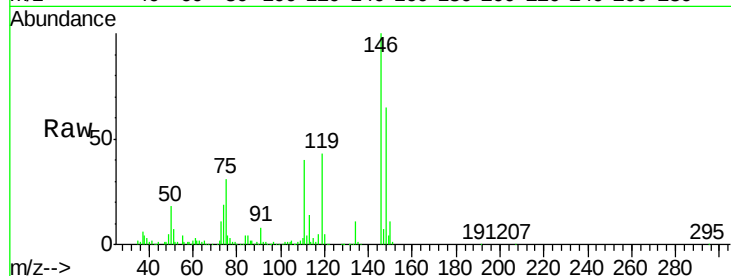




#87
 1,3-Dichlorobenzene
 Concen: 50.225 ug/l
 RT: 12.46 min Scan# 1200
 Delta R.T. -0.01 min
 Lab File: VF061384.D
 Acq: 14 Jan 2019 12:25

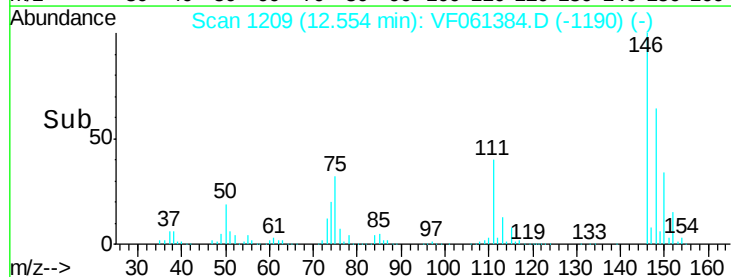
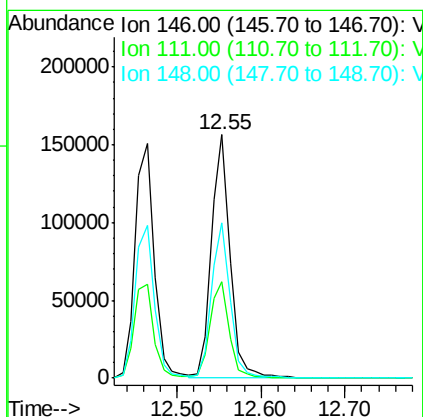
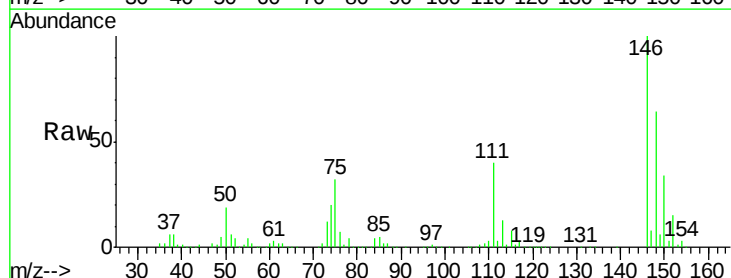
Instrument :
 MSVOA_F
 ClientSampled :

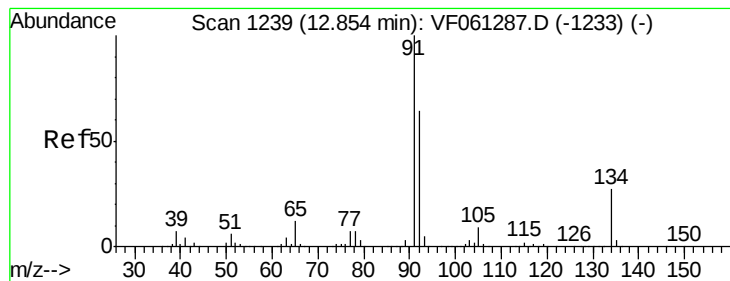
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.1	21.1	63.3
148	65.1	33.1	99.5



#88
 1,4-Dichlorobenzene
 Concen: 52.170 ug/l
 RT: 12.55 min Scan# 1209
 Delta R.T. -0.01 min
 Lab File: VF061384.D
 Acq: 14 Jan 2019 12:25

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.8	21.4	64.2
148	63.6	33.0	98.9





#89

n-Butylbenzene

Concen: 50.597 ug/l

RT: 12.83 min Scan# 1237

Delta R.T. -0.02 min

Lab File: VF061384.D

Acq: 14 Jan 2019 12:25

Instrument :

MSVOA_F

ClientSampleId :

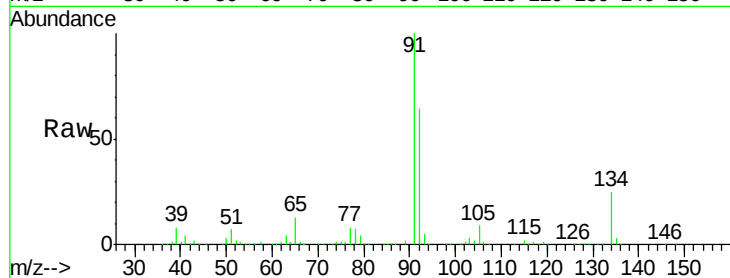
Tot Ion: 91 Resp: 589671

Ion Ratio Lower Upper

91 100

92 64.1 32.1 96.3

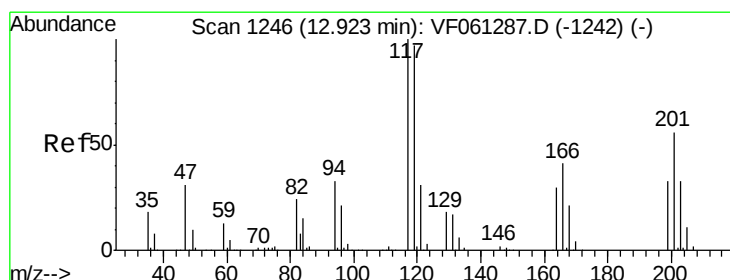
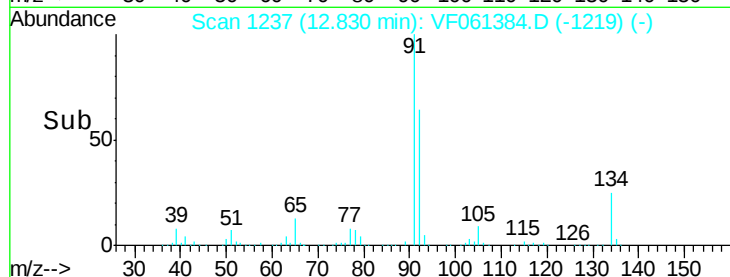
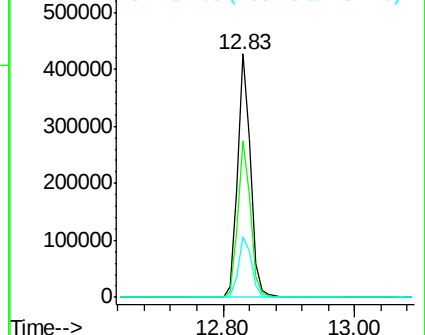
134 24.7 13.4 40.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 56.077 ug/l

RT: 12.90 min Scan# 1244

Delta R.T. -0.02 min

Lab File: VF061384.D

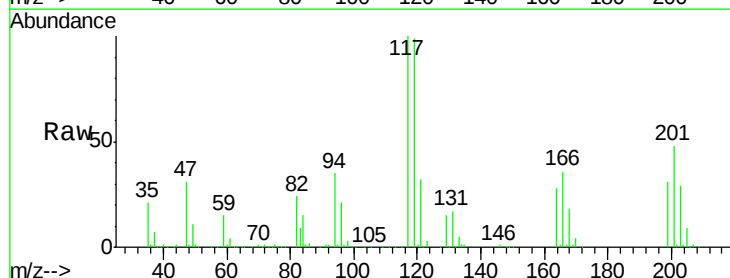
Acq: 14 Jan 2019 12:25

Tgt Ion: 117 Resp: 145496

Ion Ratio Lower Upper

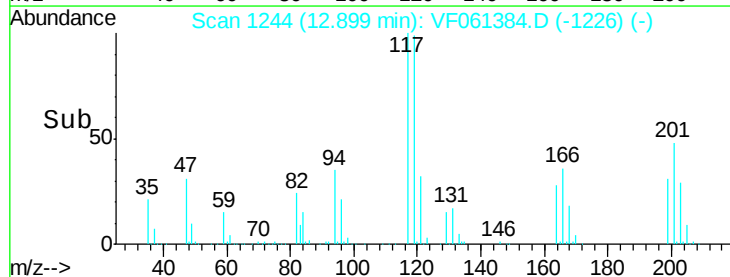
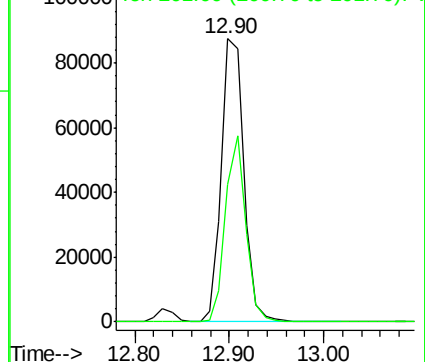
117 100

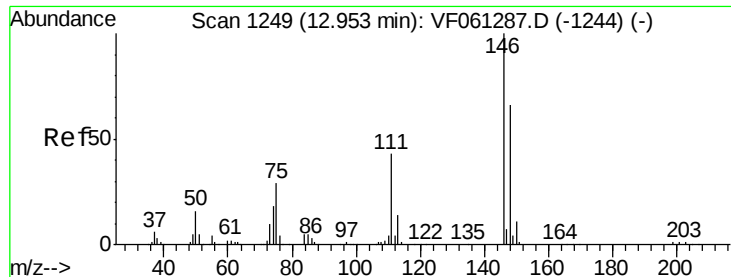
201 48.5 27.9 83.7



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V

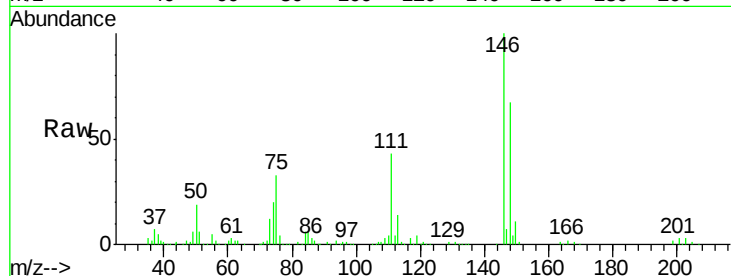




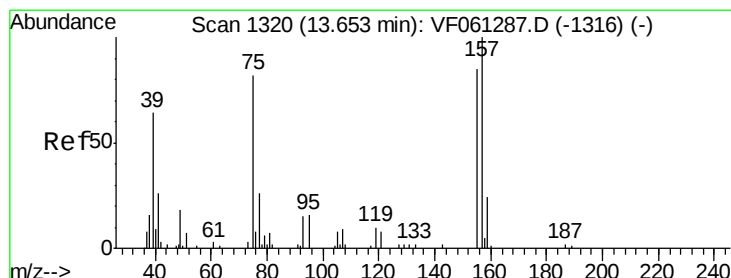
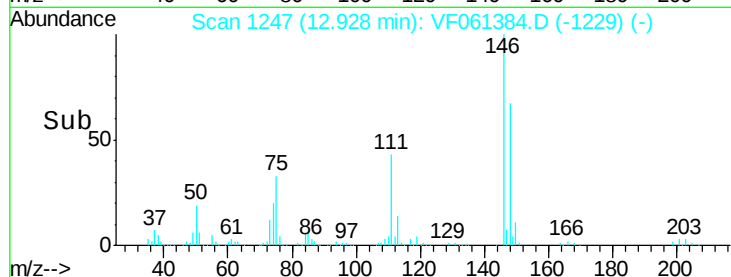
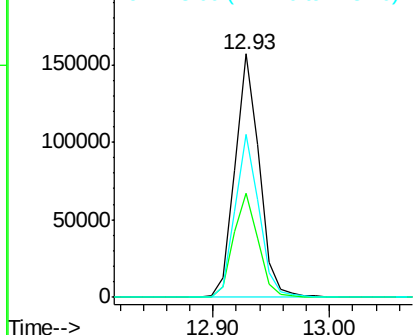
#91
 1,2-Dichlorobenzene
 Concen: 49.670 ug/l
 RT: 12.93 min Scan# 1247
 Delta R.T. -0.02 min
 Lab File: VF061384.D
 Acq: 14 Jan 2019 12:25

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.5	21.4	64.3
148	66.8	33.1	99.2

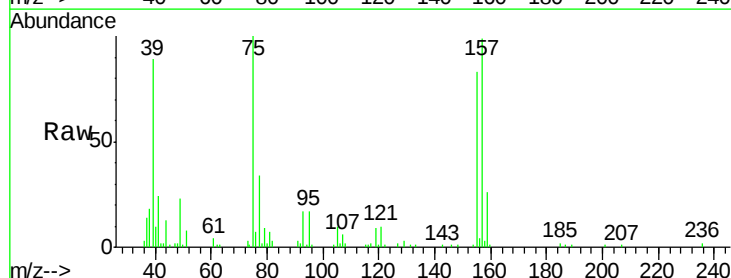


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

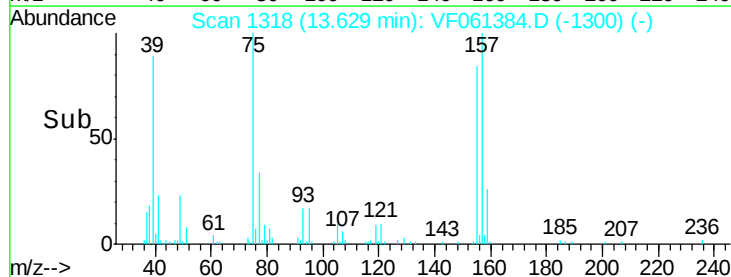
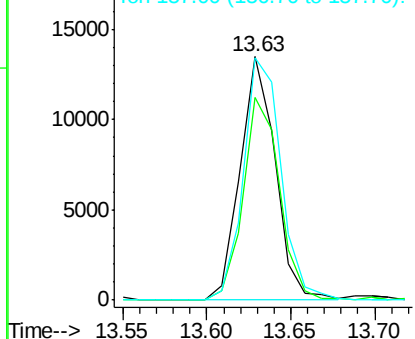


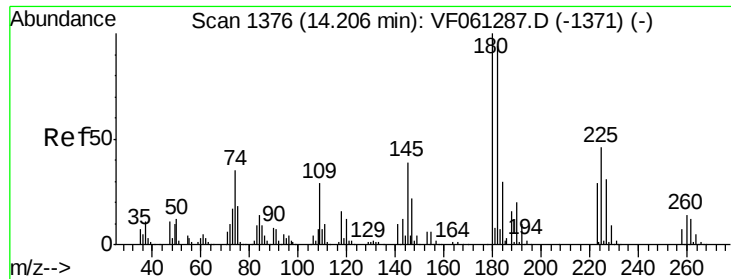
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 59.015 ug/l
 RT: 13.63 min Scan# 1318
 Delta R.T. -0.02 min
 Lab File: VF061384.D
 Acq: 14 Jan 2019 12:25

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.2	51.3	154.0
157	99.5	60.7	182.0



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

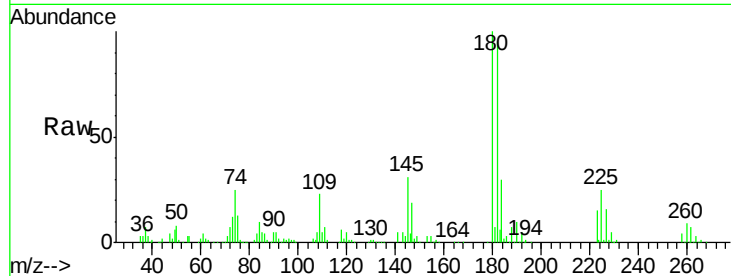




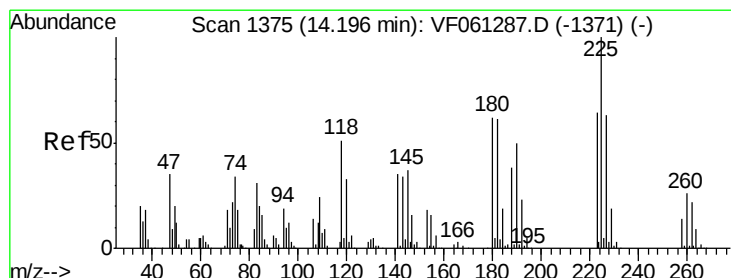
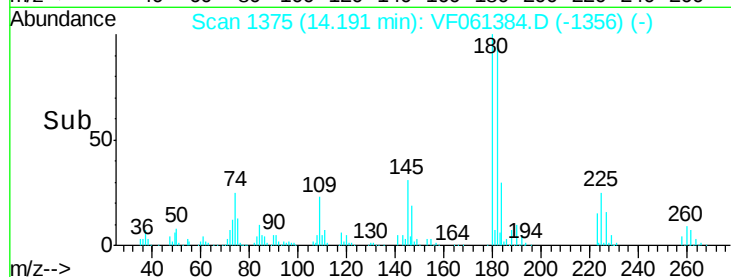
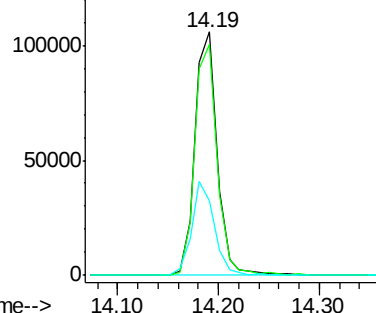
#93
 1,2,4-Trichlorobenzene
 Concen: 51.880 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. -0.01 min
 Lab File: VF061384.D
 Acq: 14 Jan 2019 12:25

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion:180 Resp: 163556
 Ion Ratio Lower Upper
 180 100
 182 94.7 47.0 141.2
 145 30.6 19.7 59.1

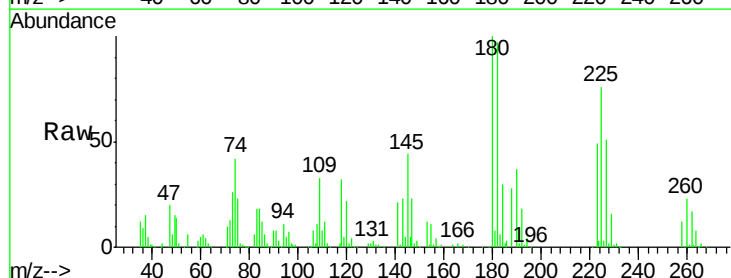


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

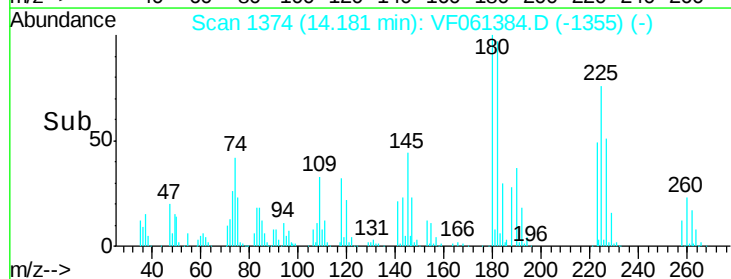
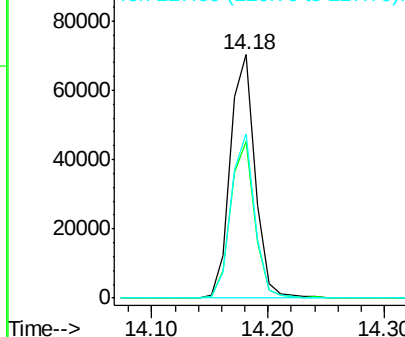


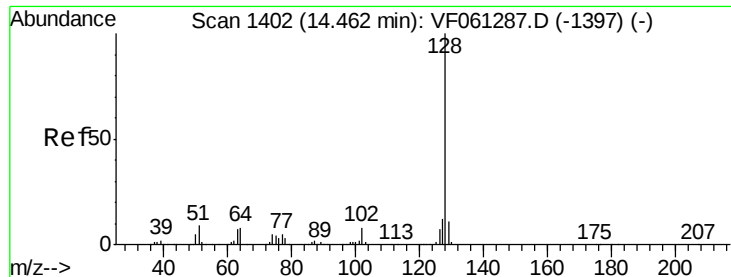
#94
 Hexachlorobutadiene
 Concen: 51.375 ug/l
 RT: 14.18 min Scan# 1374
 Delta R.T. -0.01 min
 Lab File: VF061384.D
 Acq: 14 Jan 2019 12:25

Tgt Ion:225 Resp: 104269
 Ion Ratio Lower Upper
 225 100
 223 64.3 31.8 95.4
 227 67.3 31.3 93.9



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

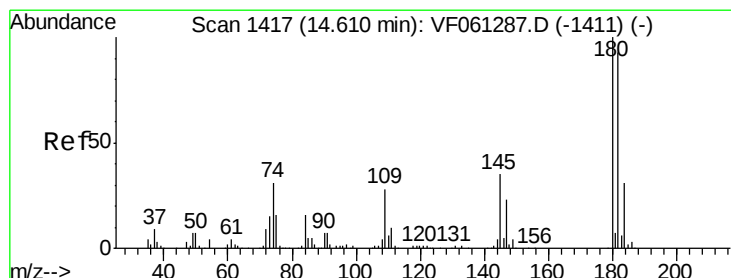
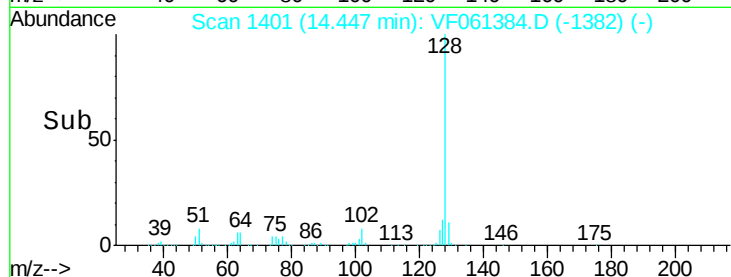
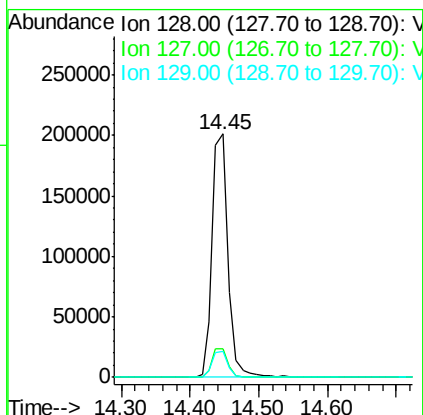
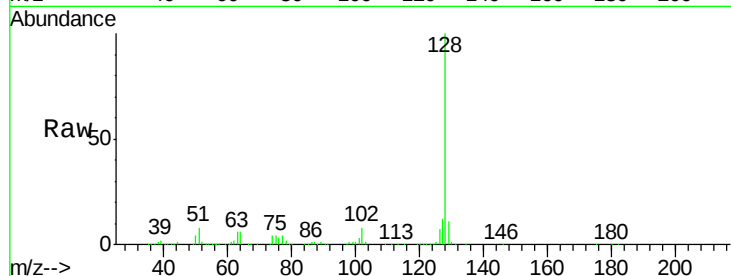




#95
Naphthalene
Concen: 54.385 ug/l
RT: 14.45 min Scan# 1401
Delta R.T. -0.01 min
Lab File: VF061384.D
Acq: 14 Jan 2019 12:25

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:128 Resp: 323107
Ion Ratio Lower Upper
128 100
127 11.8 9.4 14.0
129 10.6 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 51.973 ug/l
RT: 14.59 min Scan# 1415
Delta R.T. -0.02 min
Lab File: VF061384.D
Acq: 14 Jan 2019 12:25

Tgt Ion:180 Resp: 154345
Ion Ratio Lower Upper
180 100
182 93.4 46.5 139.3
145 35.1 17.5 52.6

