

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 :
 VSTDCCC050

Quant Time: Jan 14 21:46:13 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	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.81	65	109231	56.24	ug/l	-0.04
Spiked Amount			Recovery	=	112.48%	
35) Dibromofluoromethane	4.07	113	123879	53.50	ug/l	-0.04
Spiked Amount			Recovery	=	107.00%	
50) Toluene-d8	7.52	98	353793	51.64	ug/l	-0.04
Spiked Amount			Recovery	=	103.28%	
62) 4-Bromofluorobenzene	11.39	95	152739	51.05	ug/l	-0.02
Spiked Amount			Recovery	=	102.10%	

Target Compounds	R.T.	QIon	Response	Conc	Units	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	1.88	142	163317m	45.456	ug/l	
11) Tert butyl alcohol	2.53	59	24531	315.433	ug/l	95
12) 1,1-Dichloroethene	1.77	96	89138m	48.608	ug/l	
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	1.78	76	261134m	43.113	ug/l	
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	81853m	42.820	ug/l	
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	177272m	45.046	ug/l	
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

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 :
 VSTDCCC050

Quant Time: Jan 14 21:46:13 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)
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	34771m	55.384	ug/l	
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

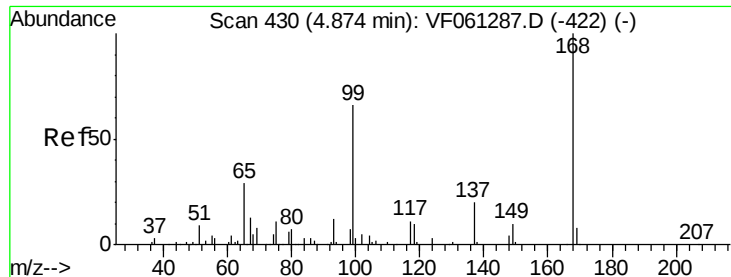
Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF011419\
Data File : VF061384.D
Acq On : 14 Jan 2019 12:25
Operator : VA/AP
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Quant Time: Jan 14 21:46:13 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)
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 :

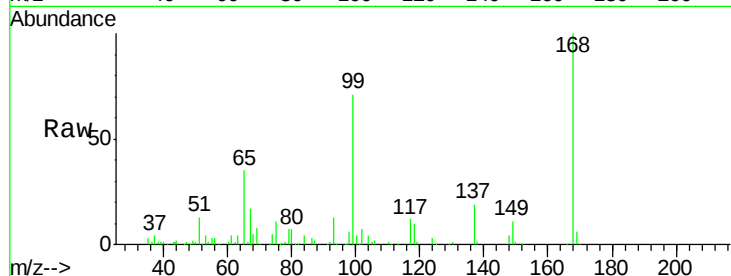
VSTDCCC050

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

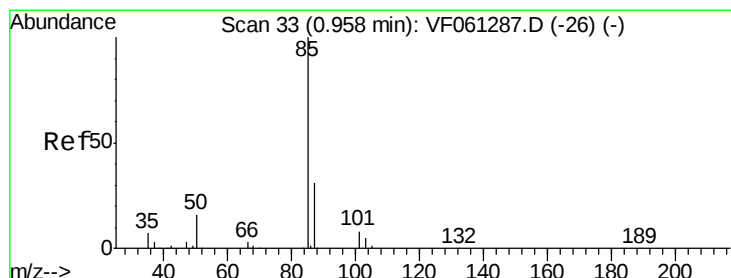
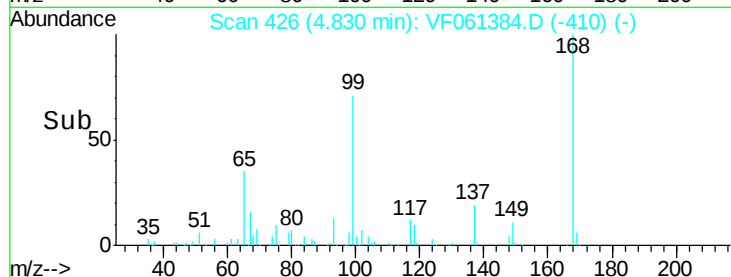
40000

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

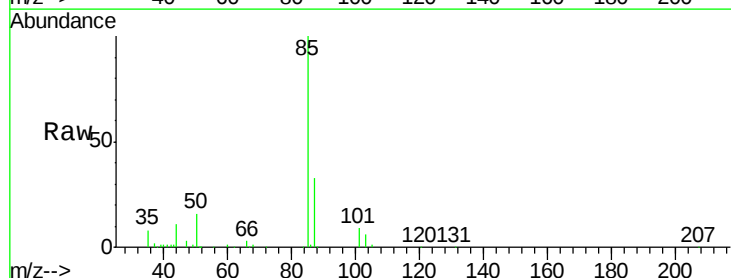
Acq: 14 Jan 2019 12:25

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

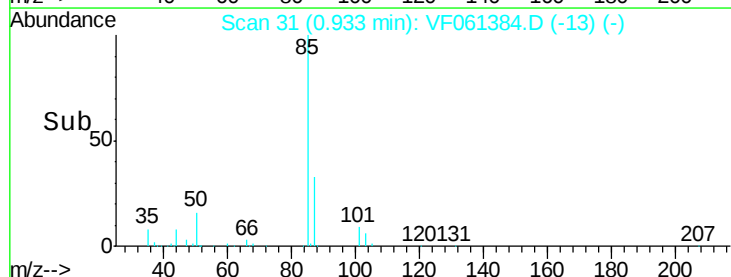
20000

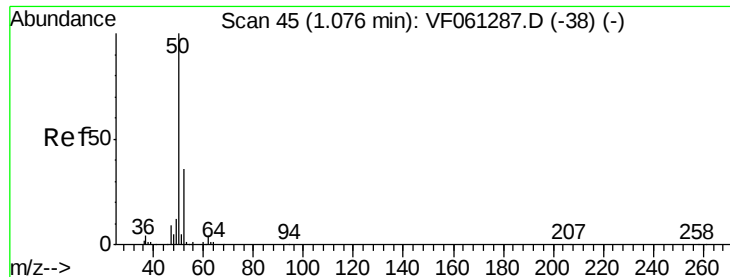
10000

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 :

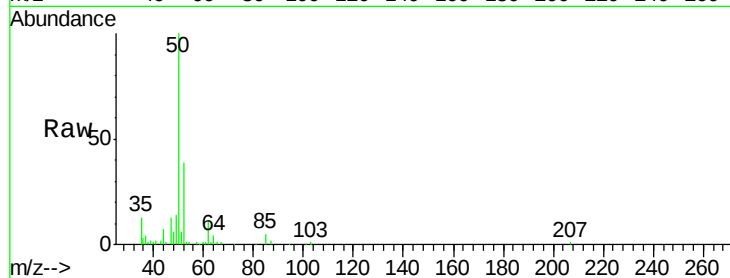
VSTDCCC050

Tot Ion: 50 Resp: 124950

Ion Ratio Lower Upper

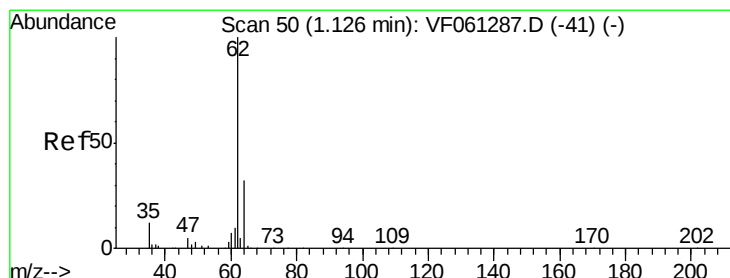
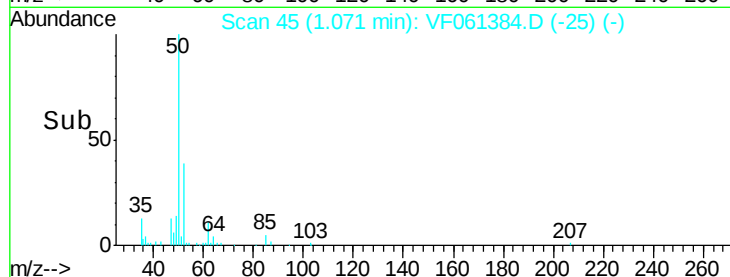
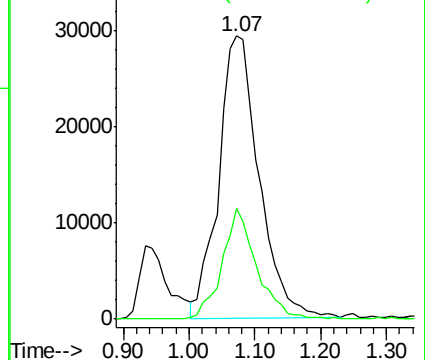
50 100

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

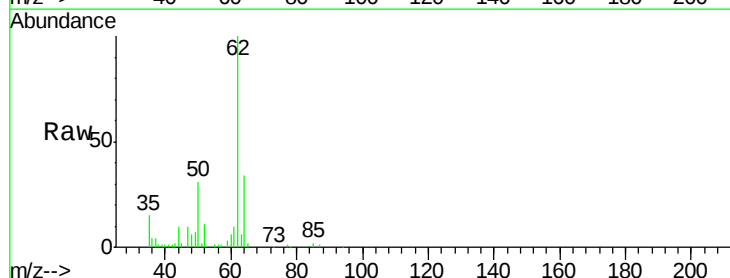
Acq: 14 Jan 2019 12:25

Tgt Ion: 62 Resp: 112993

Ion Ratio Lower Upper

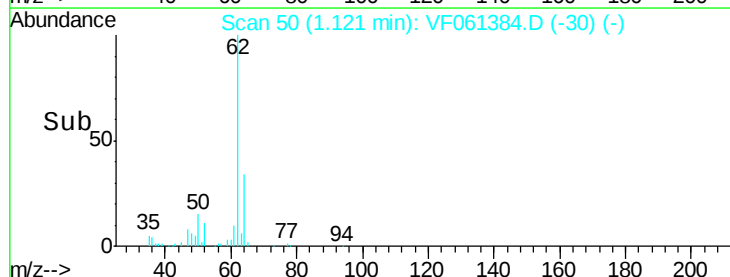
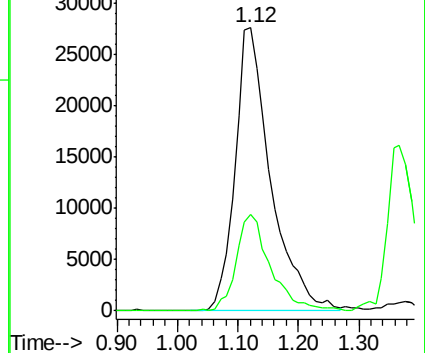
62 100

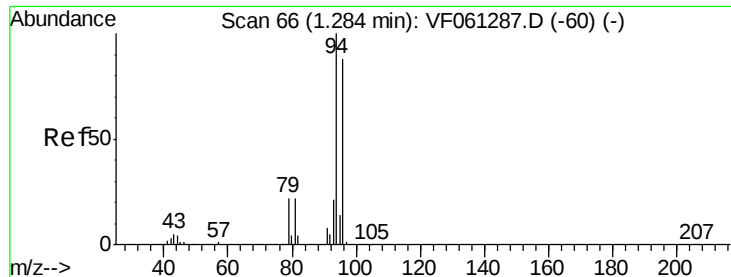
64 33.9 25.4 38.0



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 :

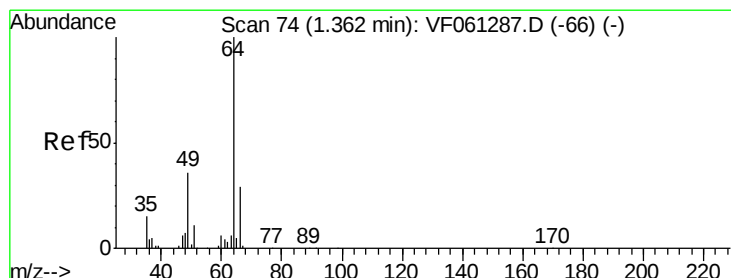
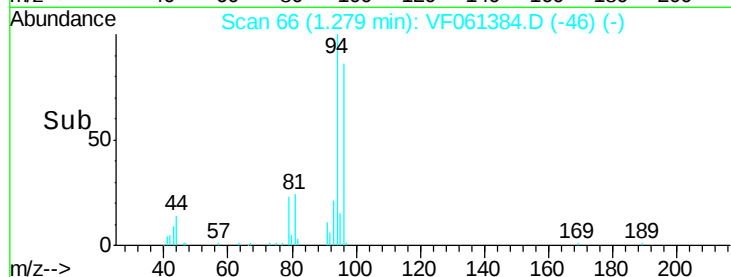
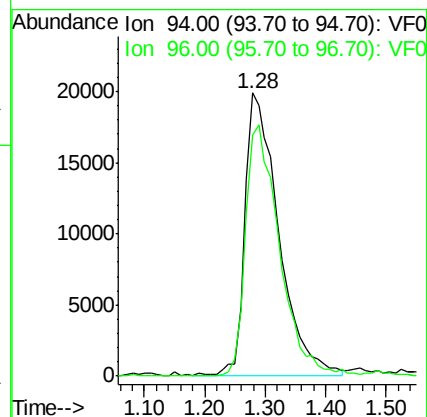
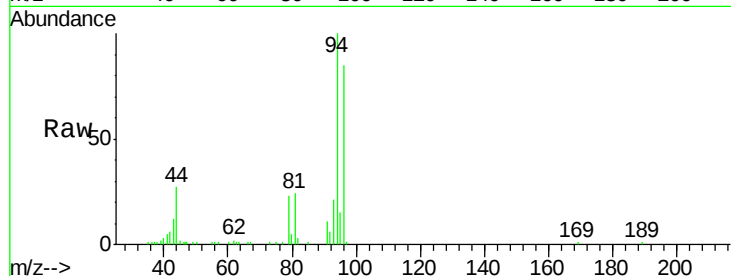
VSTDCCC050

Tot Ion: 94 Resp: 77465

Ion Ratio Lower Upper

94 100

96 85.1 70.2 105.4



#6

Chloroethane

Concen: 42.586 ug/l

RT: 1.37 min Scan# 75

Delta R.T. 0.00 min

Lab File: VF061384.D

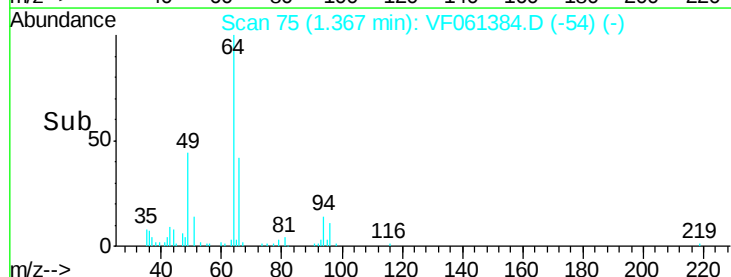
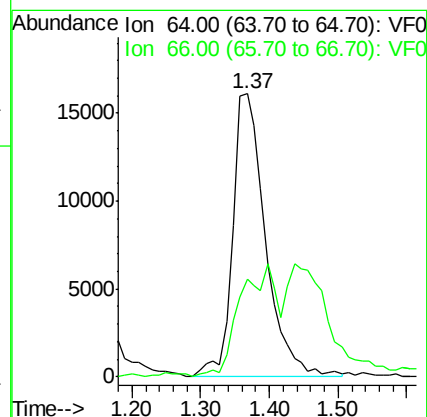
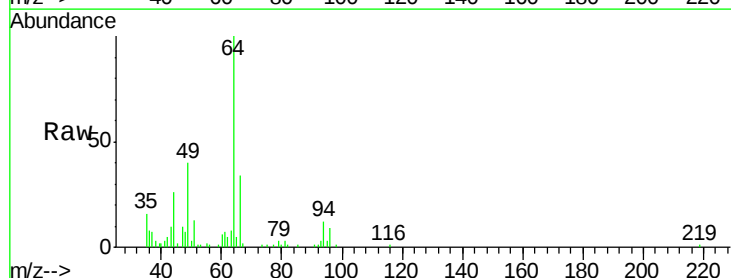
Acq: 14 Jan 2019 12:25

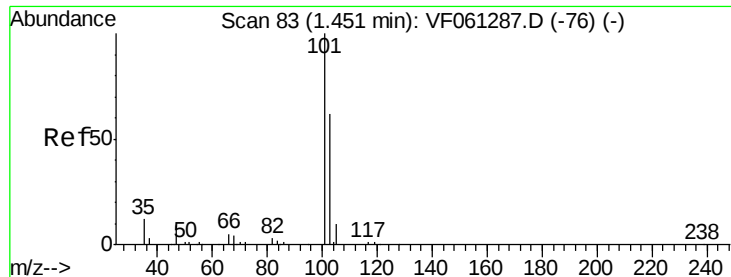
Tgt Ion: 64 Resp: 53278

Ion Ratio Lower Upper

64 100

66 34.5 23.4 35.0





#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 :

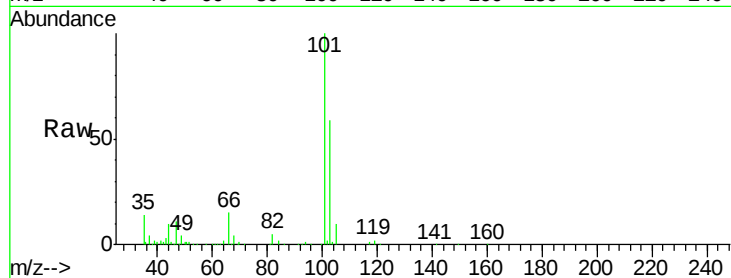
VSTDCCC050

Tot Ion:101 Resp: 214395

Ion Ratio Lower Upper

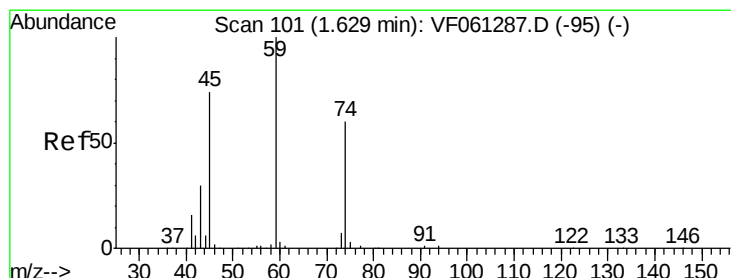
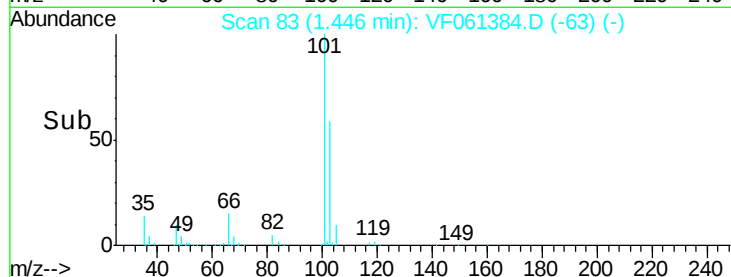
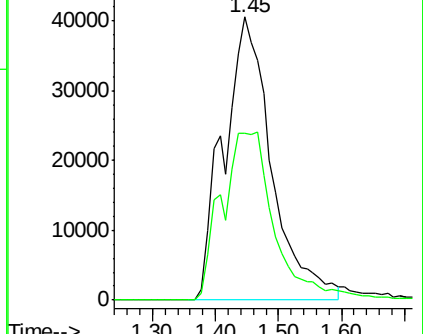
101 100

103 58.9 49.9 74.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 45.120 ug/l

RT: 1.60 min Scan# 99

Delta R.T. -0.02 min

Lab File: VF061384.D

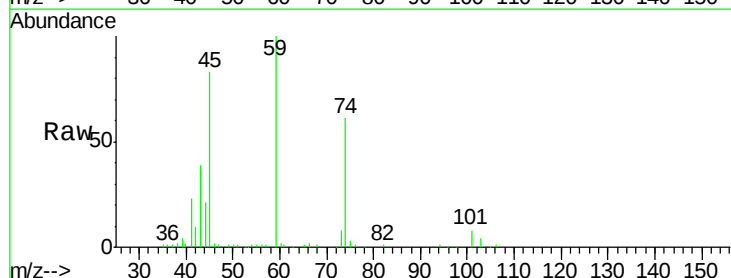
Acq: 14 Jan 2019 12:25

Tgt Ion: 74 Resp: 28776

Ion Ratio Lower Upper

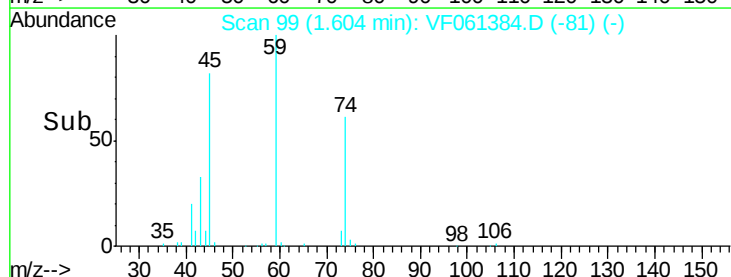
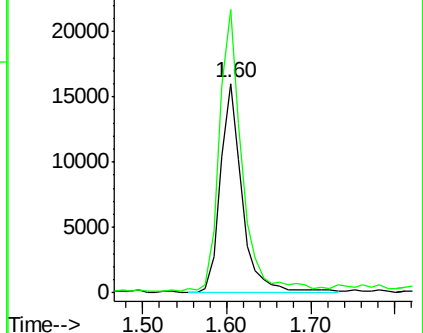
74 100

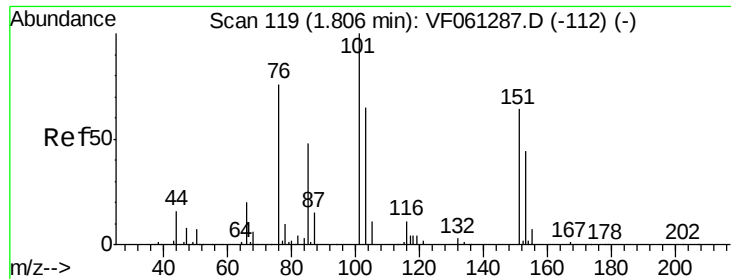
45 135.3 62.1 186.3



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 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 :

VSTDCCC050

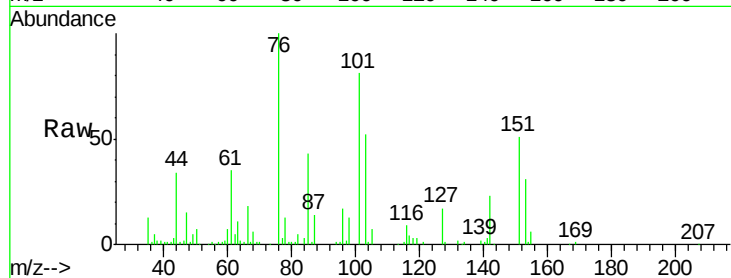
Tot Ion:101 Resp: 105942

Ion Ratio Lower Upper

101 100

85 52.7 38.4 57.6

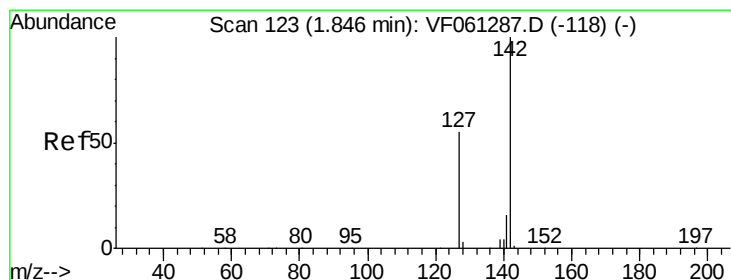
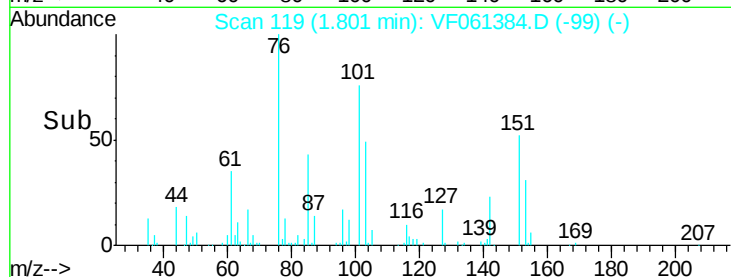
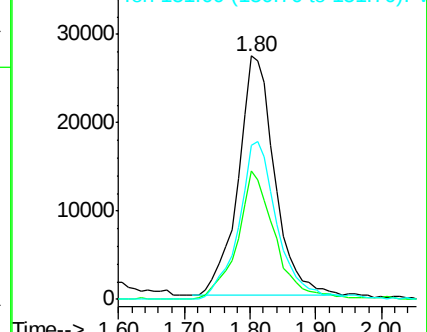
151 63.3 51.4 77.2



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: 45.456 ug/l m

RT: 1.88 min Scan# 127

Delta R.T. 0.03 min

Lab File: VF061384.D

Acq: 14 Jan 2019 12:25

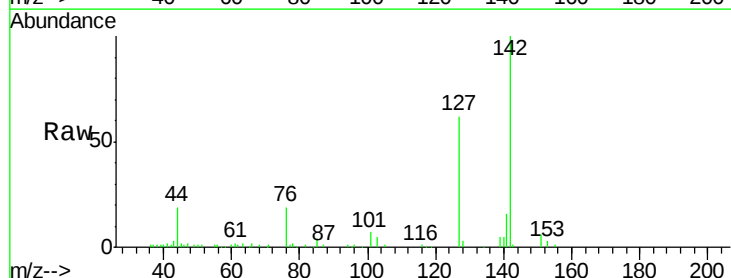
Tgt Ion:142 Resp: 163317

Ion Ratio Lower Upper

142 100

127 62.0 44.3 66.5

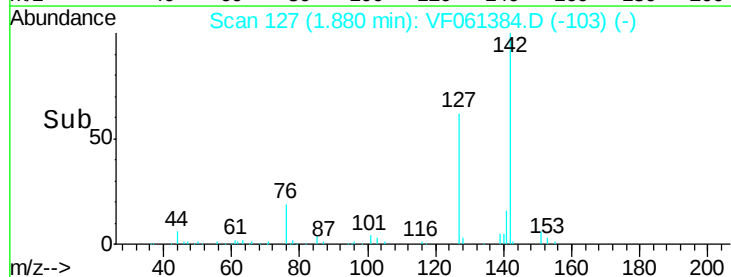
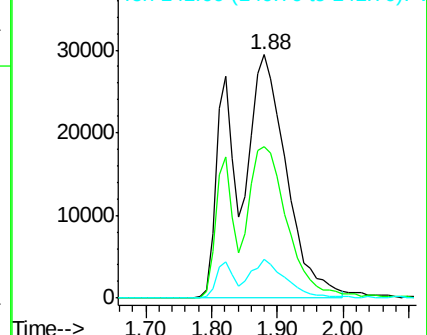
141 15.9 13.2 19.8

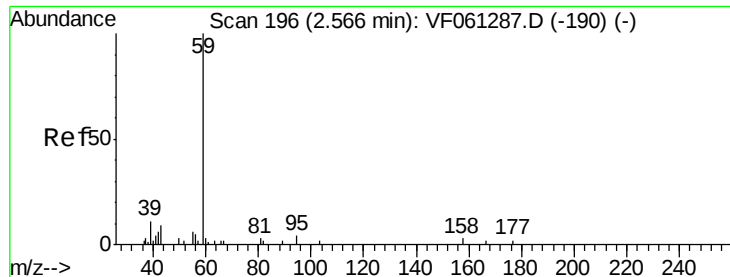


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



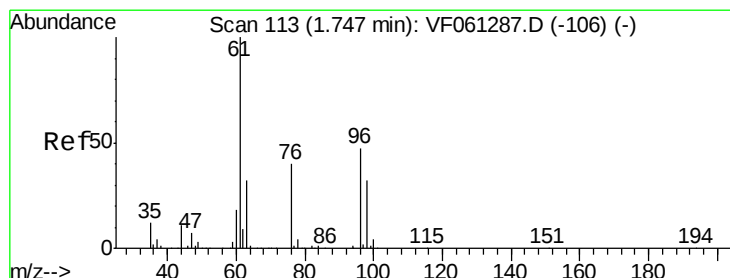
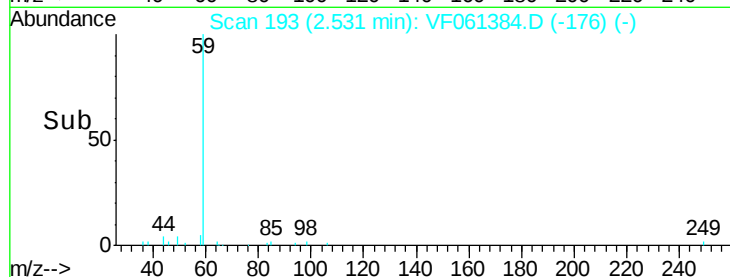
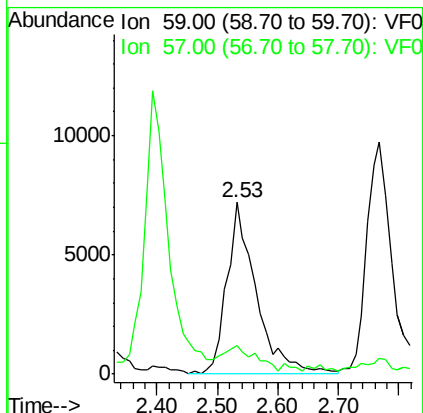
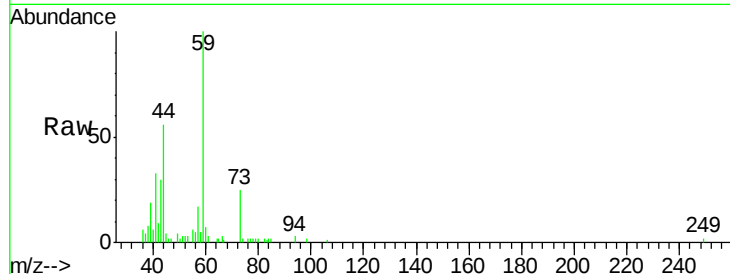


#11

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
 ClientSampleId :
 VSTDCCC050

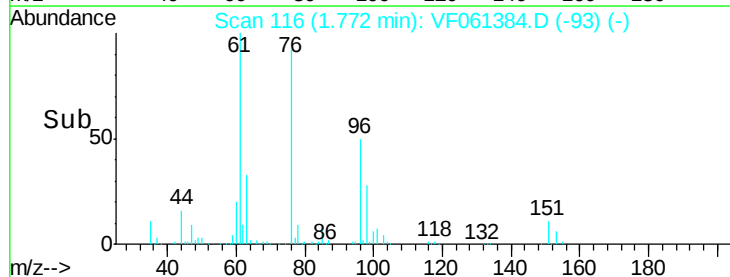
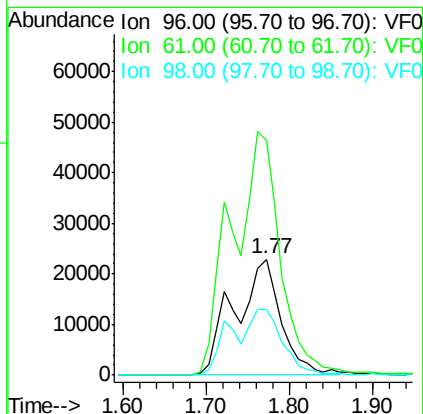
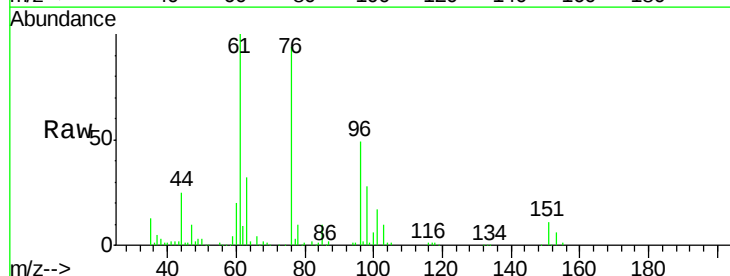
Tot Ion: 59 Resp: 24531
 Ion Ratio Lower Upper
 59 100
 57 16.7 15.1 22.7

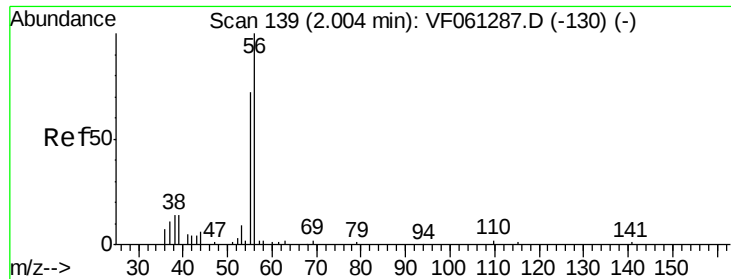


#12

1,1-Dichloroethene
 Concen: 48.608 ug/l m
 RT: 1.77 min Scan# 116
 Delta R.T. 0.02 min
 Lab File: VF061384.D
 Acq: 14 Jan 2019 12:25

Tgt Ion: 96 Resp: 89138
 Ion Ratio Lower Upper
 96 100
 61 203.0 171.8 257.8
 98 57.2 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 :

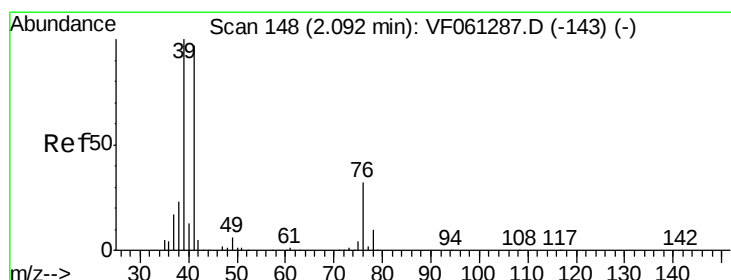
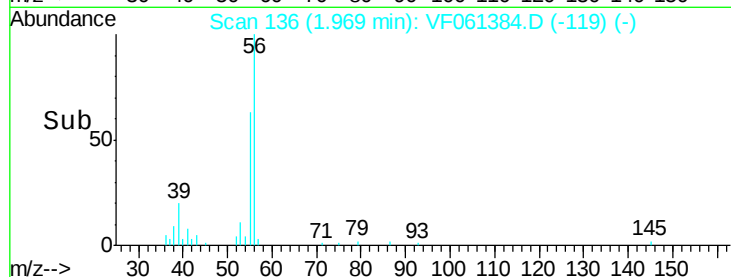
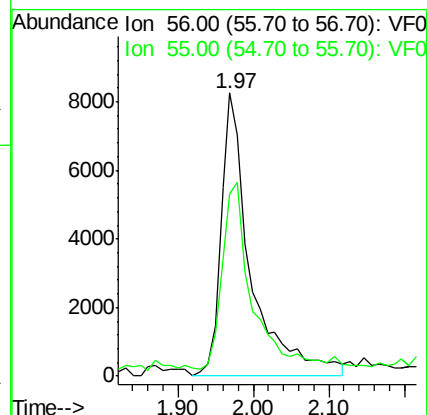
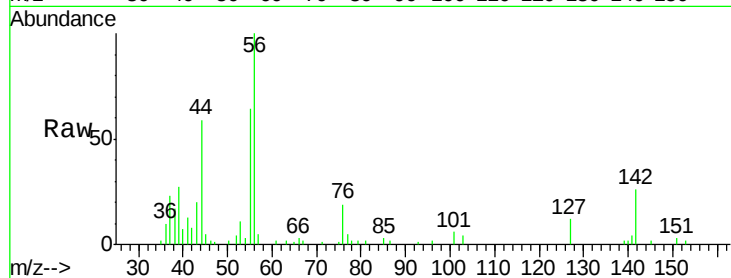
VSTDCCC050

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

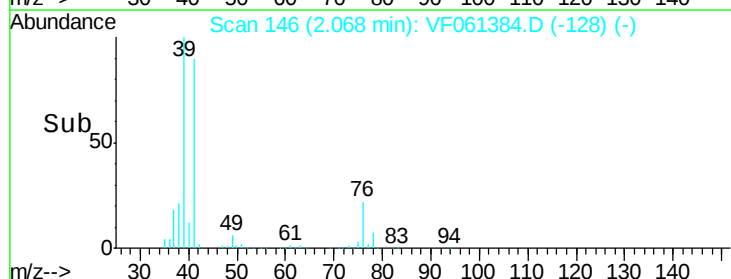
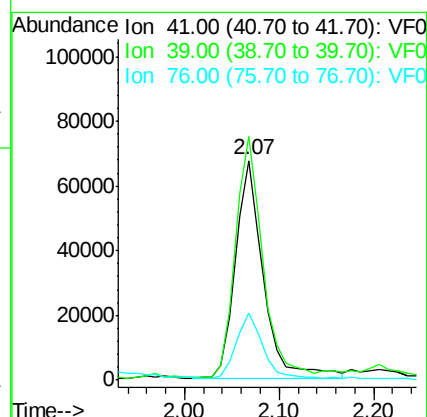
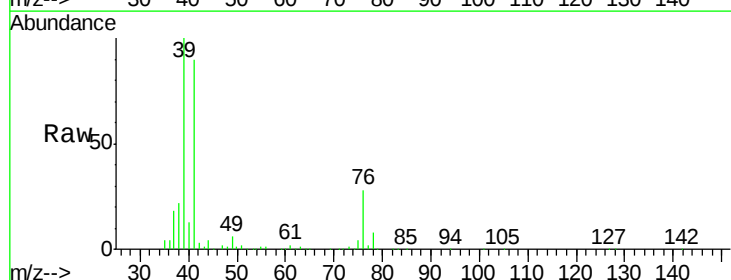
Tgt Ion: 41 Resp: 138969

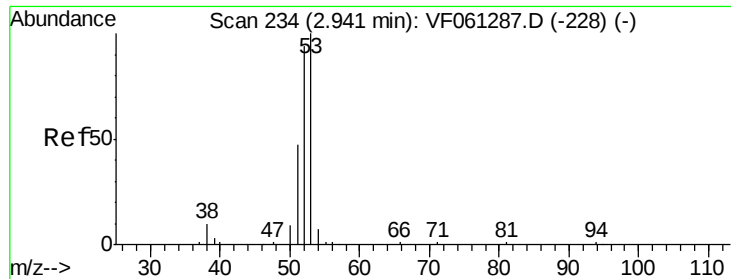
Ion Ratio Lower Upper

41 100

39 110.8 82.6 123.8

76 30.7 26.9 40.3

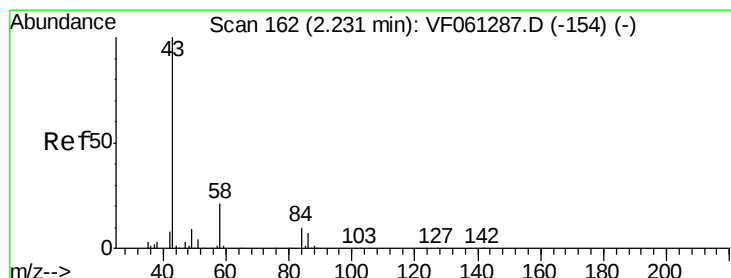
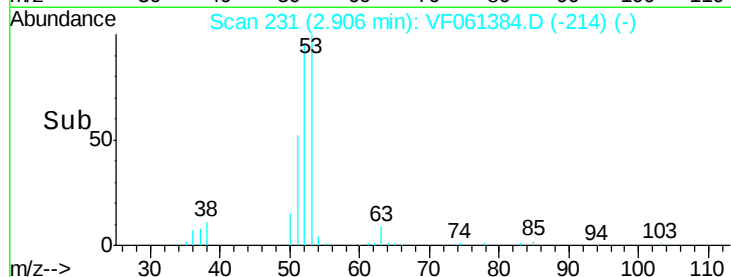
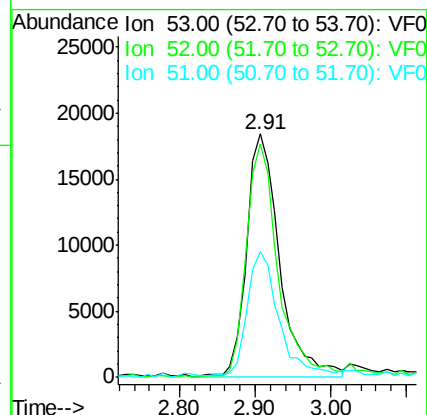
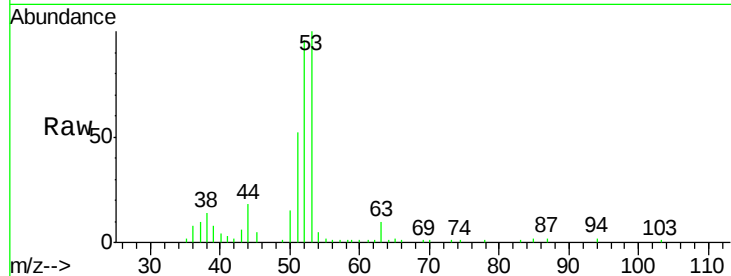




#15
 Acrylonitrile
 Concen: 204.893 ug/l
 RT: 2.91 min Scan# 231
 Delta R.T. -0.03 min
 Lab File: VF061384.D
 Acq: 14 Jan 2019 12:25

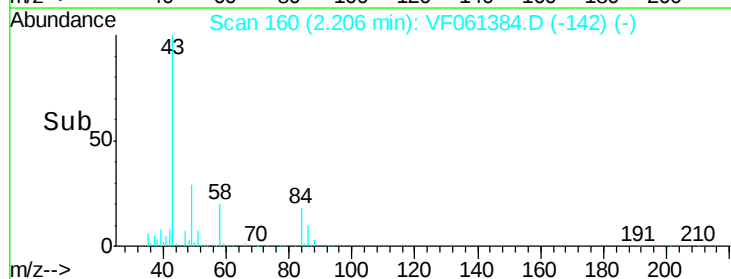
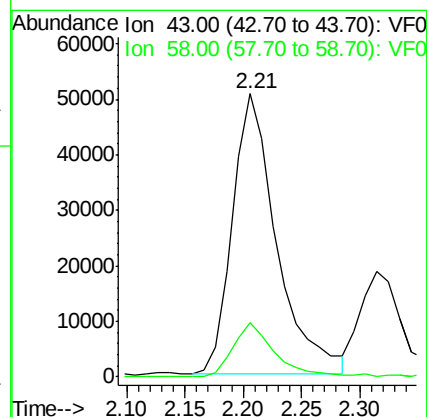
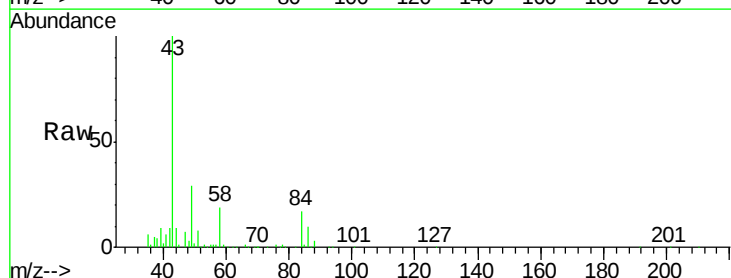
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

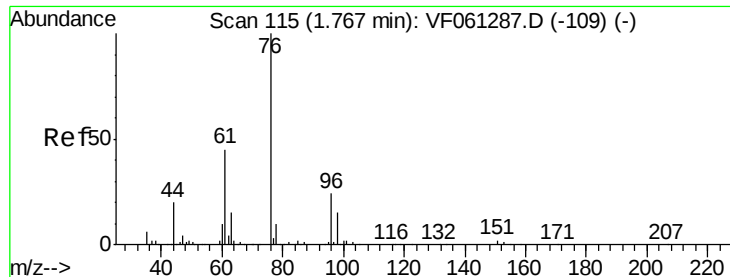
Tot Ion: 53 Resp: 56487
 Ion Ratio Lower Upper
 53 100
 52 96.1 74.6 111.8
 51 51.7 37.8 56.6



#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: 43.113 ug/l m

RT: 1.78 min Scan# 117

Delta R.T. 0.01 min

Lab File: VF061384.D

Acq: 14 Jan 2019 12:25

Instrument :

MSVOA_F

ClientSampleId :

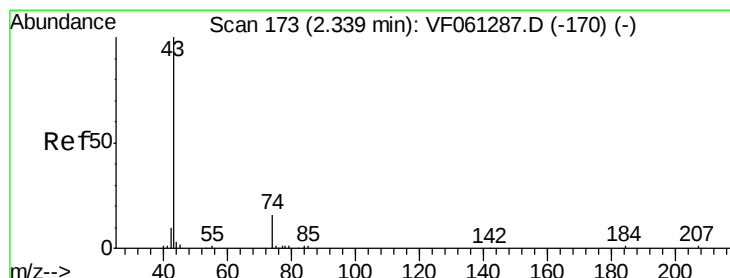
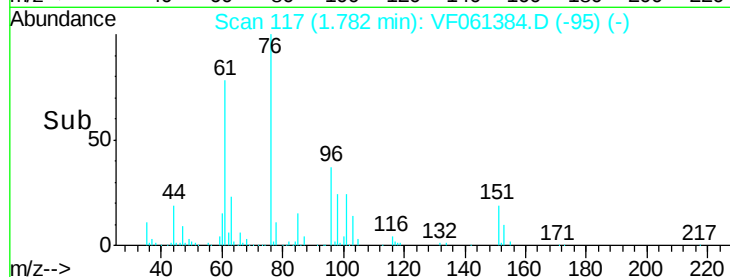
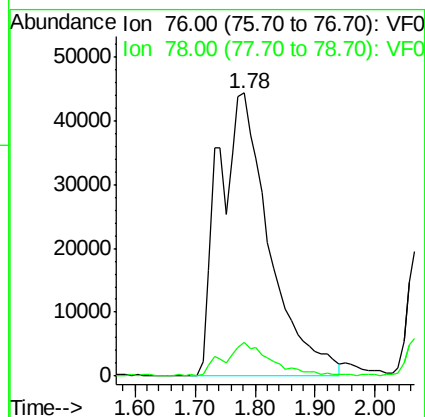
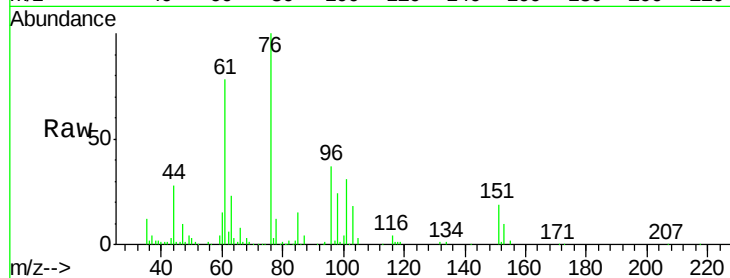
VSTDCCC050

Tot Ion: 76 Resp: 261134

Ion Ratio Lower Upper

76 100

78 11.9 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

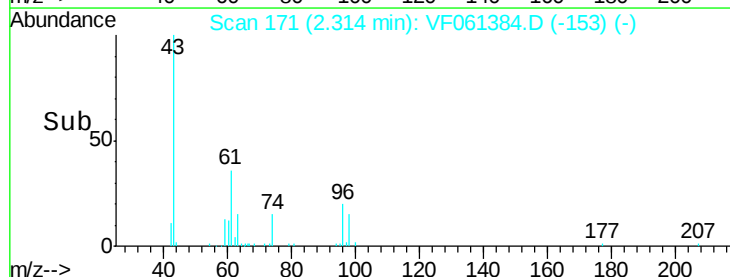
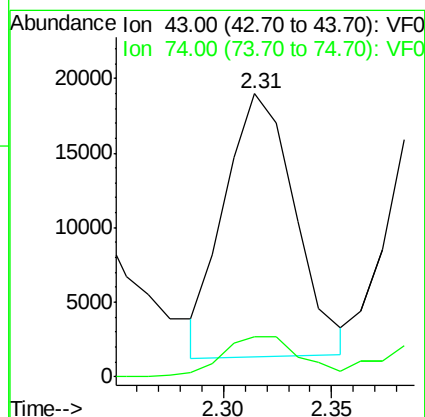
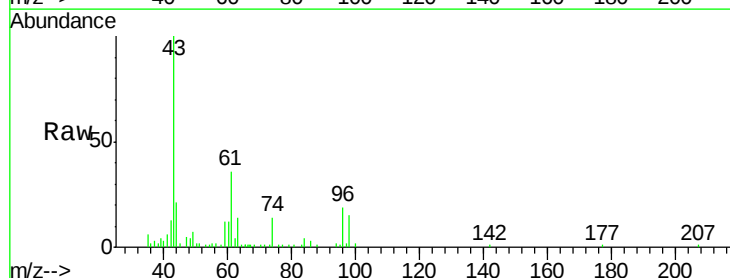
Acq: 14 Jan 2019 12:25

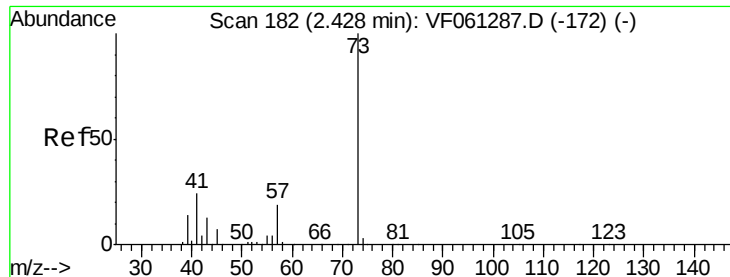
Tgt Ion: 43 Resp: 40133

Ion Ratio Lower Upper

43 100

74 14.3 11.6 17.4

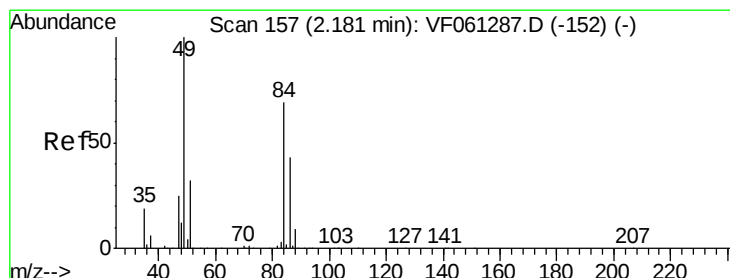
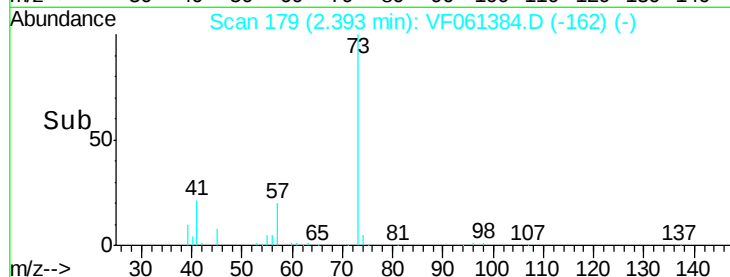
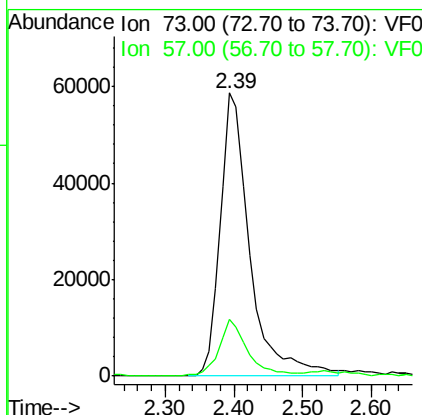
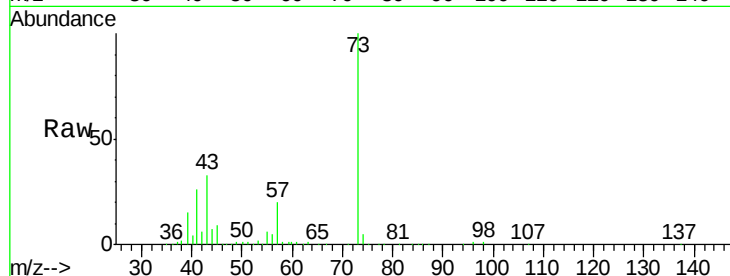




#19
Methvl tert-butvl Ether
Concen: 50.242 ug/l
RT: 2.39 min Scan# 179
Delta R.T. -0.03 min
Lab File: VF061384.D
Acq: 14 Jan 2019 12:25

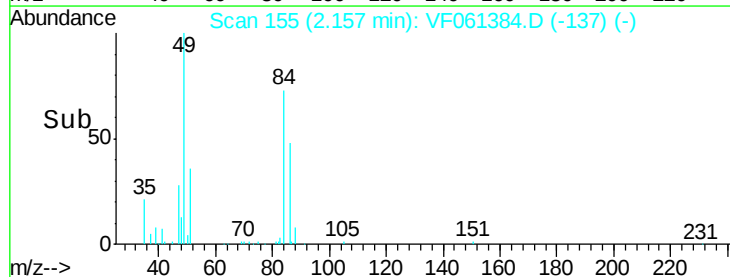
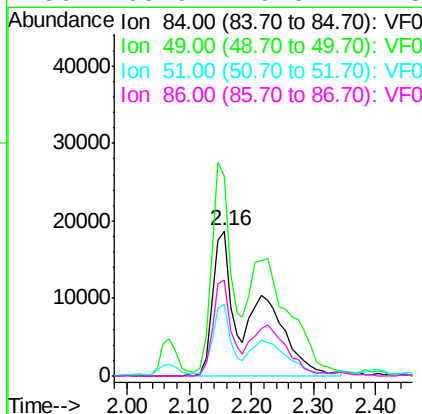
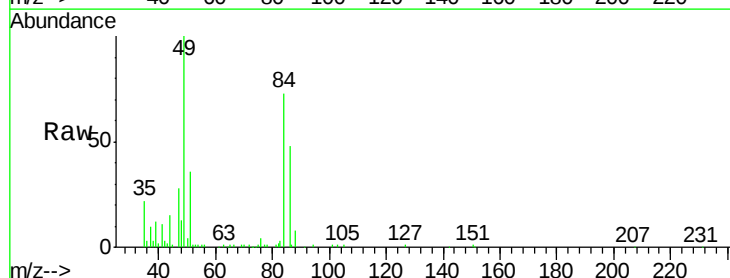
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

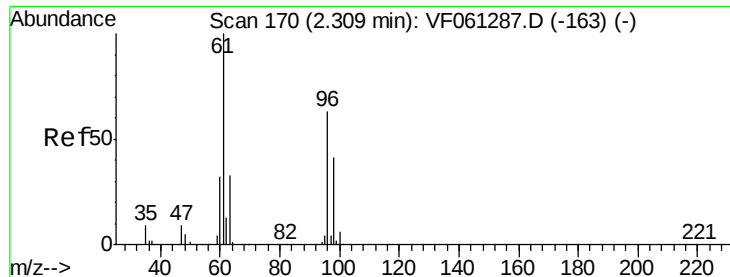
Tot Ion: 73 Resp: 175571
Ion Ratio Lower Upper
73 100
57 20.2 15.5 23.3



#20
Methylene Chloride
Concen: 42.820 ug/l m
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: 81853
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 :

VSTDCCC050

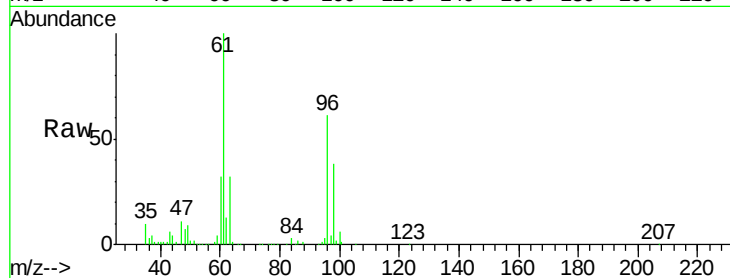
Tot Ion: 96 Resp: 85919

Ion Ratio Lower Upper

96 100

61 163.2 127.0 190.4

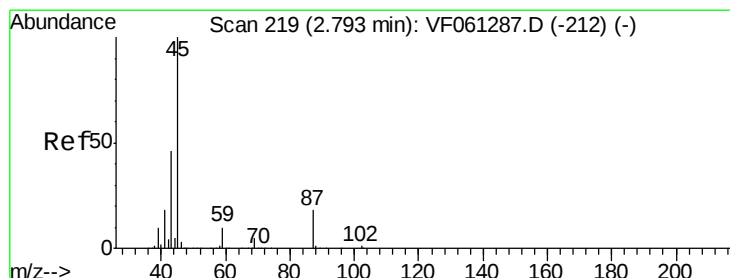
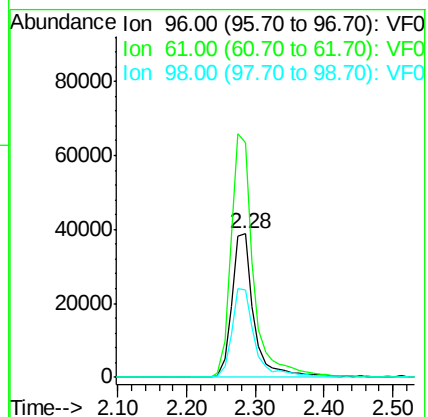
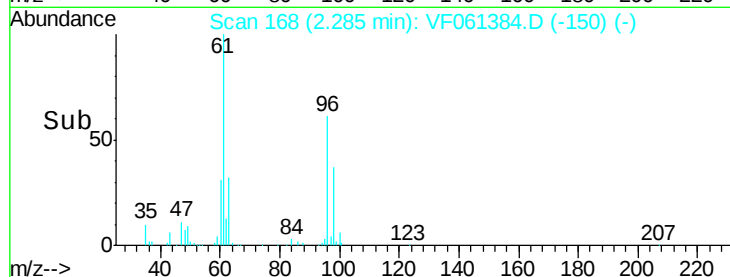
98 61.3 51.7 77.5



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



#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

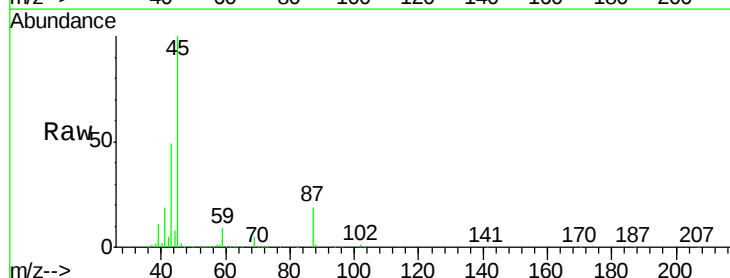
Ion Ratio Lower Upper

45 100

43 49.2 37.4 56.2

87 19.0 14.2 21.2

59 9.4 8.2 12.2

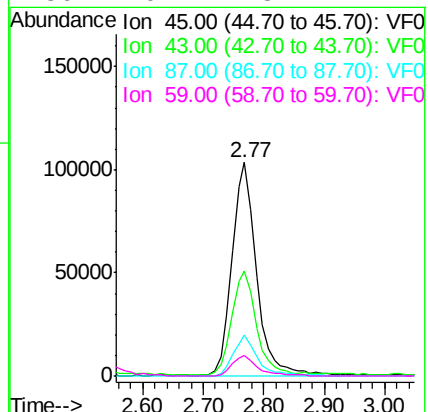
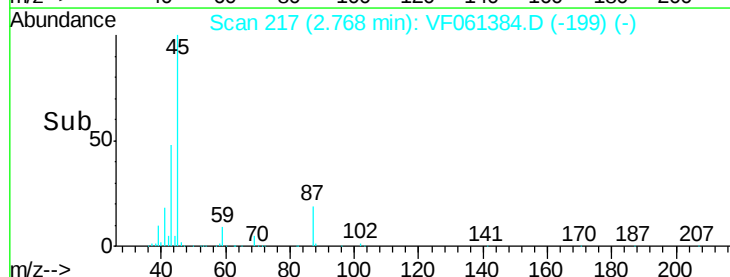


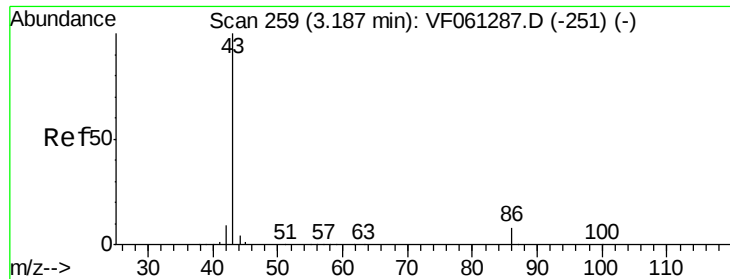
Abundance Ion 45.00 (44.70 to 45.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

Ion 59.00 (58.70 to 59.70): VF0





#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 :

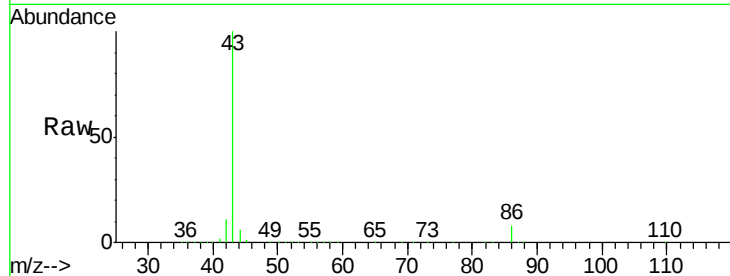
VSTDCCC050

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

250000

200000

150000

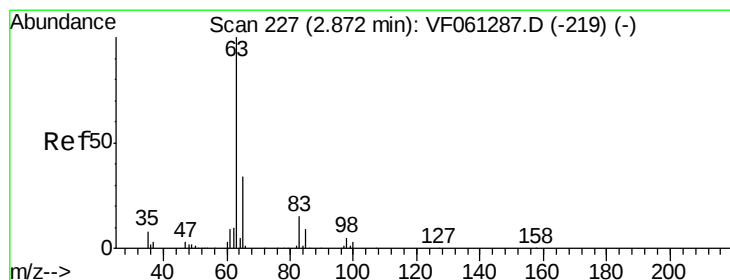
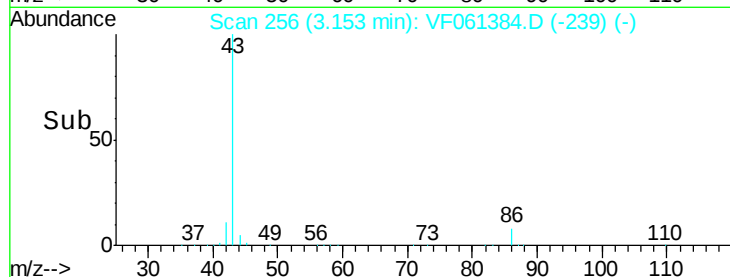
100000

50000

0

3.00 3.10 3.20 3.30

Time-->



#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

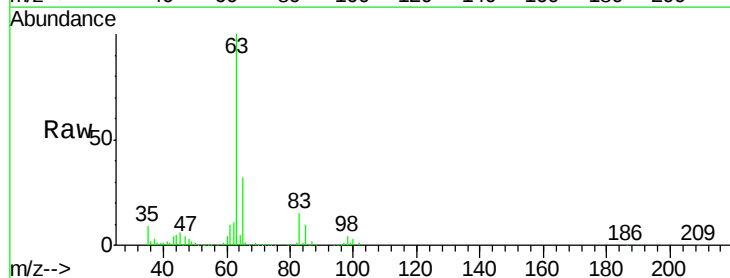
Tgt Ion: 63 Resp: 175370

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

80000

60000

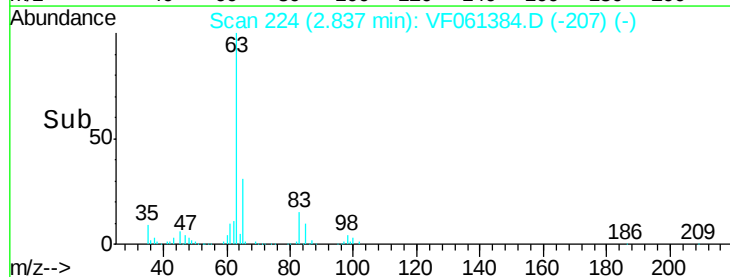
40000

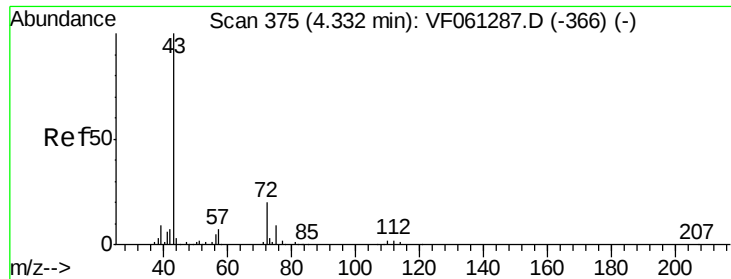
20000

0

2.60 2.80 3.00

Time-->





#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

ClientSampleId :

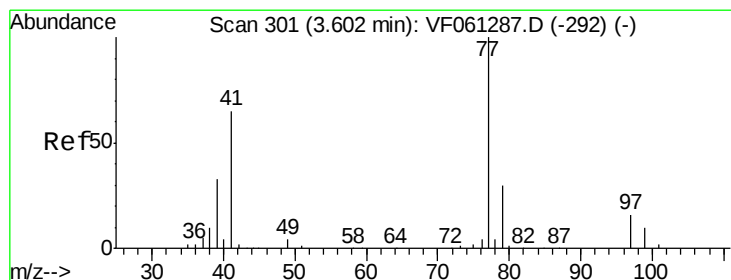
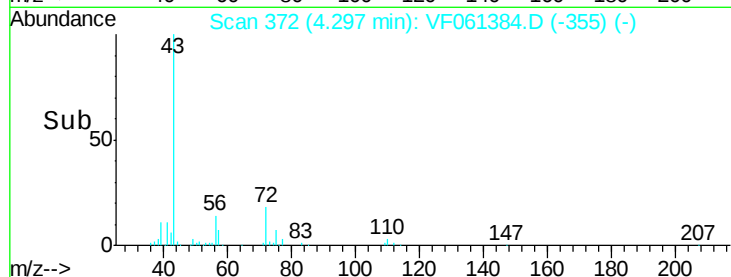
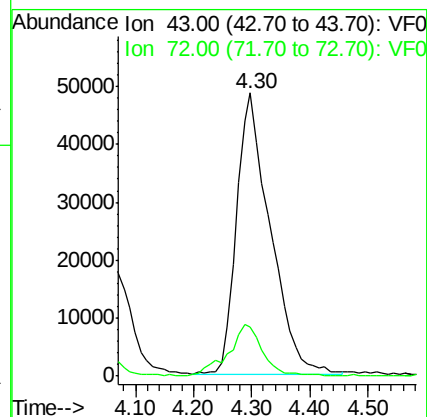
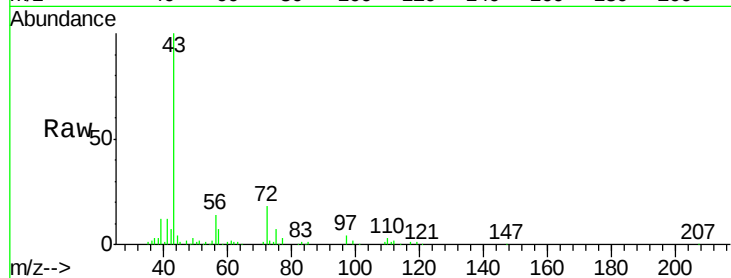
VSTDCCC050

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

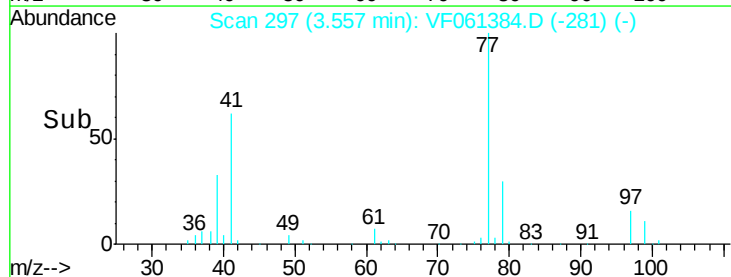
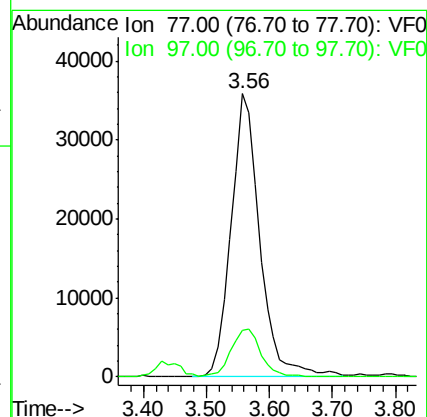
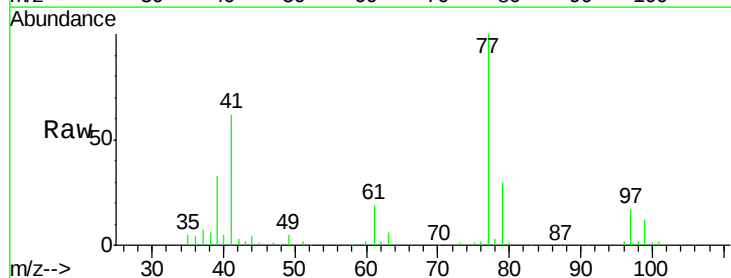
Acq: 14 Jan 2019 12:25

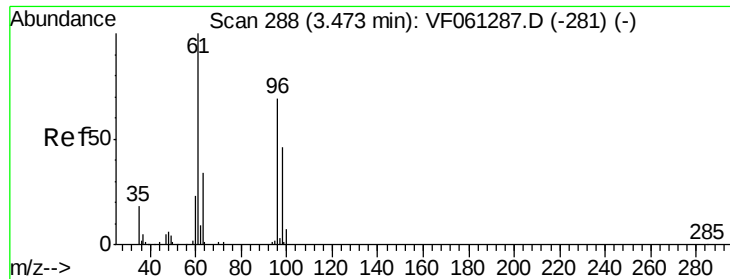
Tgt Ion: 77 Resp: 113322

Ion Ratio Lower Upper

77 100

97 16.6 8.6 25.9



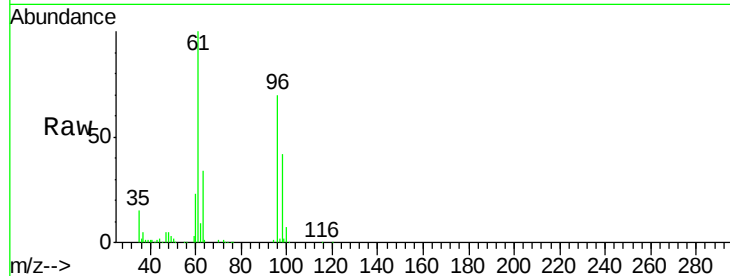


#27

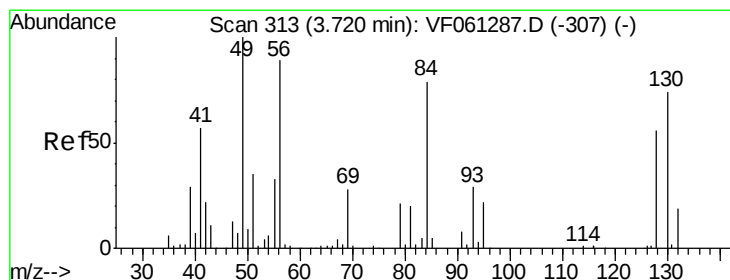
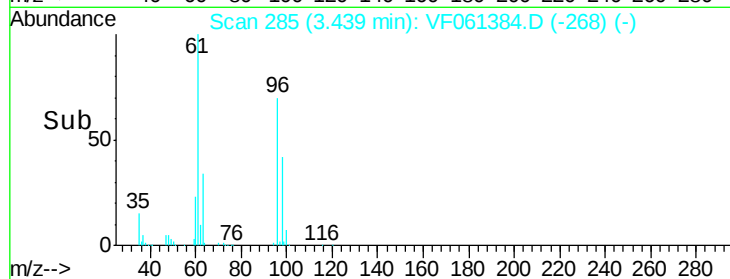
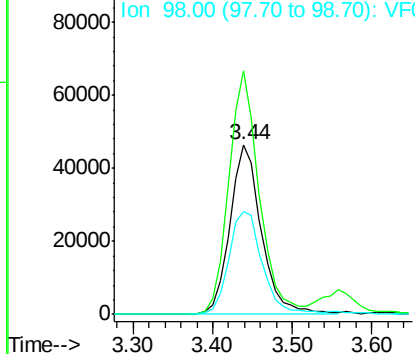
cis-1,2-Dichloroethene
Concen: 47.068 ug/l
RT: 3.44 min Scan# 285
Delta R.T. -0.03 min
Lab File: VF061384.D
Acq: 14 Jan 2019 12:25

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 96 Resp: 127699
Ion Ratio Lower Upper
96 100
61 143.7 0.0 288.2
98 60.6 0.0 132.2



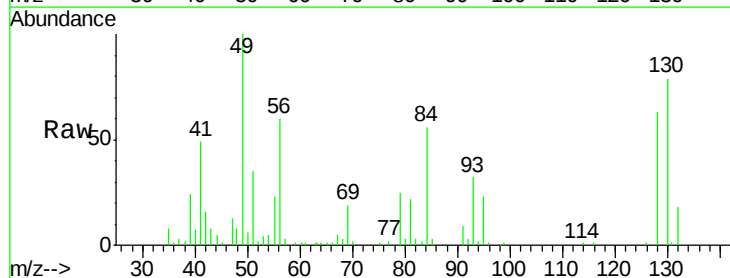
Abundance Ion 96.00 (95.70 to 96.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 98.00 (97.70 to 98.70): VF0



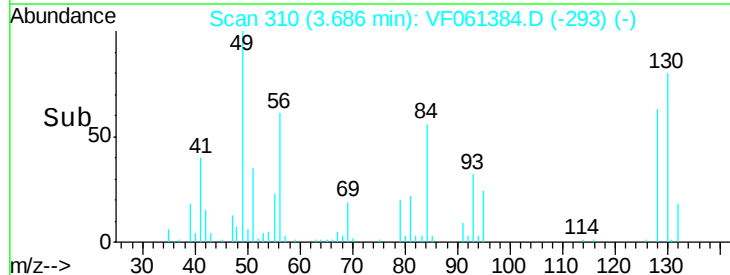
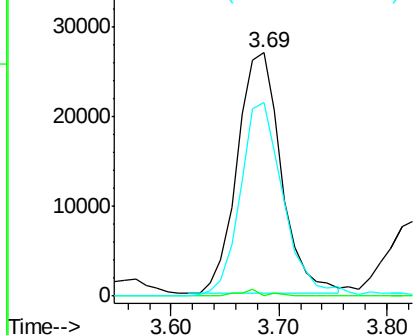
#28

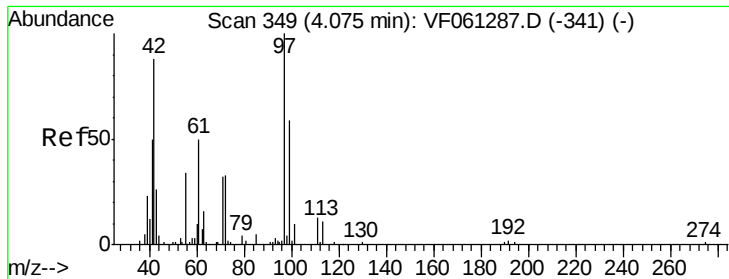
Bromochloromethane
Concen: 46.119 ug/l
RT: 3.69 min Scan# 310
Delta R.T. -0.03 min
Lab File: VF061384.D
Acq: 14 Jan 2019 12:25

Tgt Ion: 49 Resp: 76277
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 :

VSTDCCC050

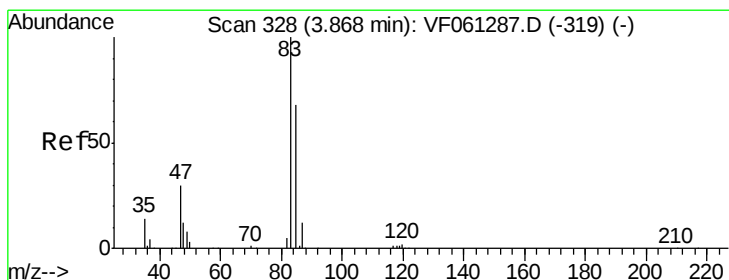
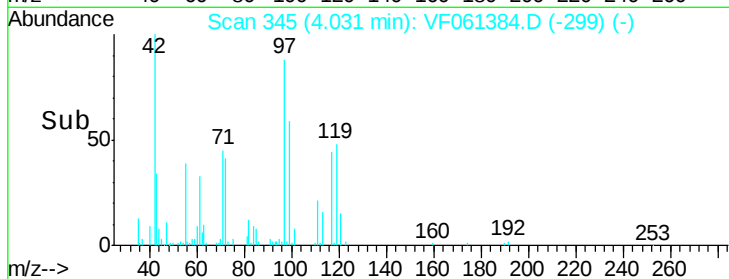
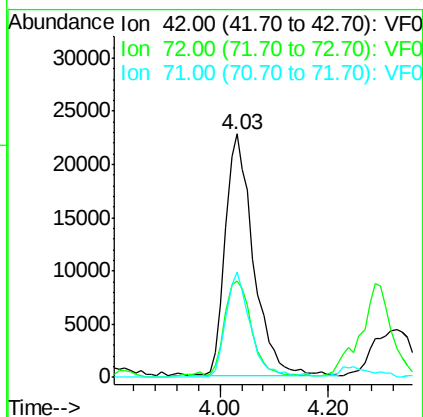
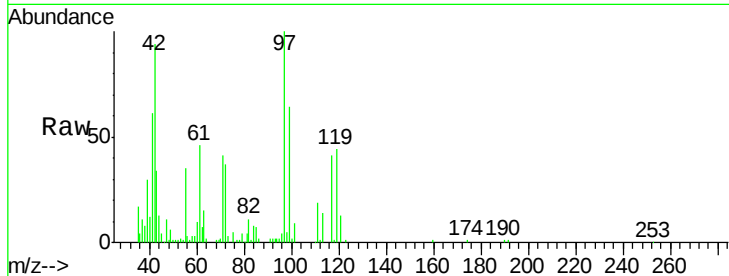
Tot Ion: 42 Resp: 82047

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

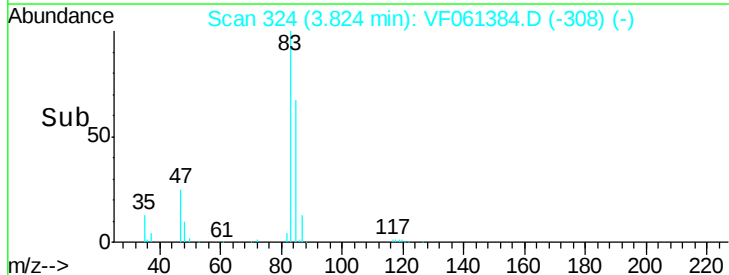
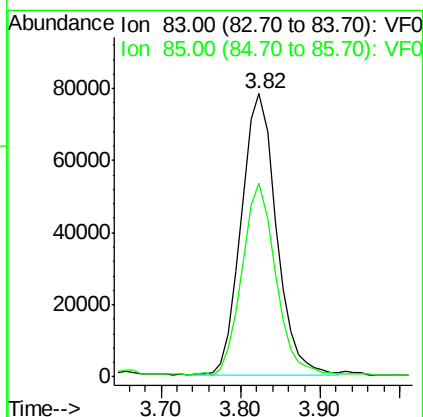
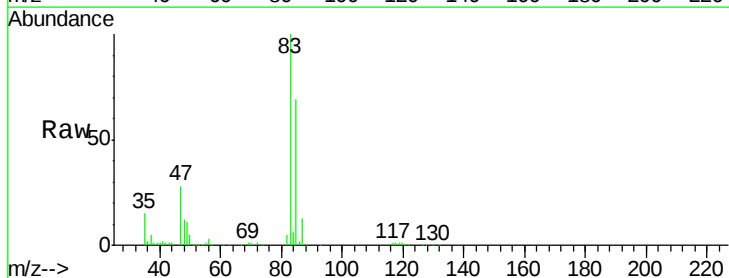
Acq: 14 Jan 2019 12:25

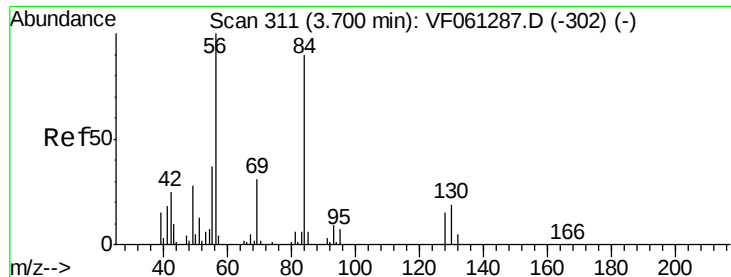
Tgt Ion: 83 Resp: 236727

Ion Ratio Lower Upper

83 100

85 68.6 54.4 81.6

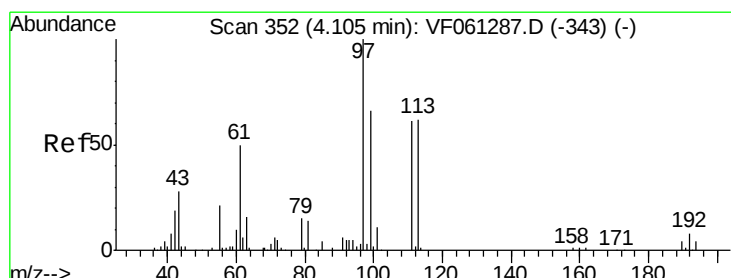
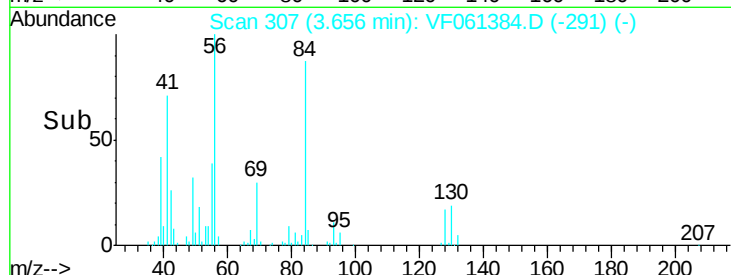
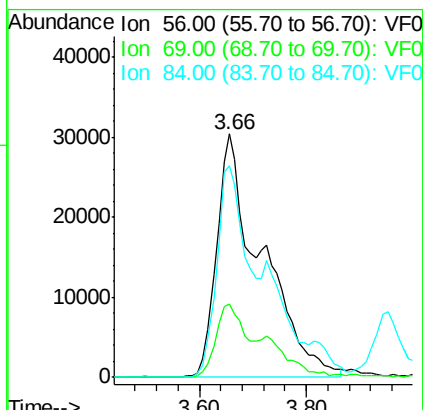
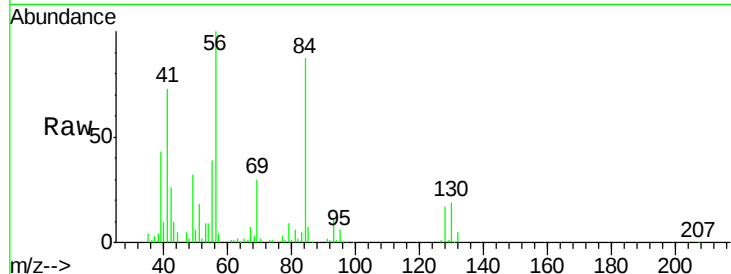




#31
Cyclohexane
Concen: 45.046 ug/l m
RT: 3.66 min Scan# 307
Delta R.T. -0.04 min
Lab File: VF061384.D
Acq: 14 Jan 2019 12:25

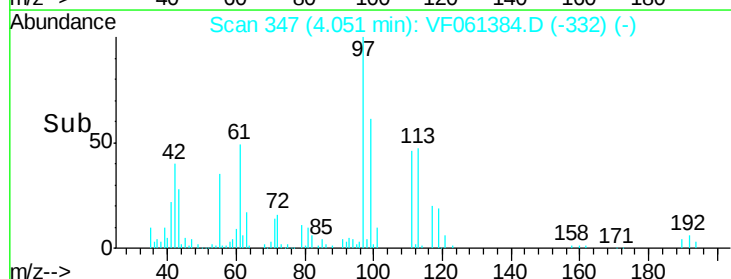
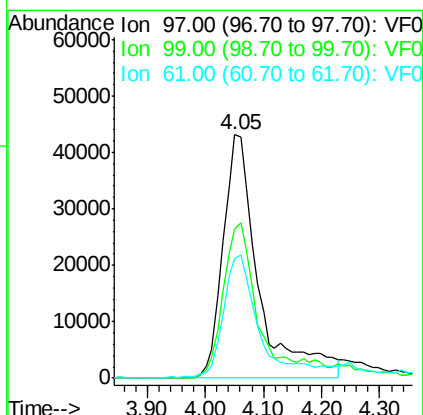
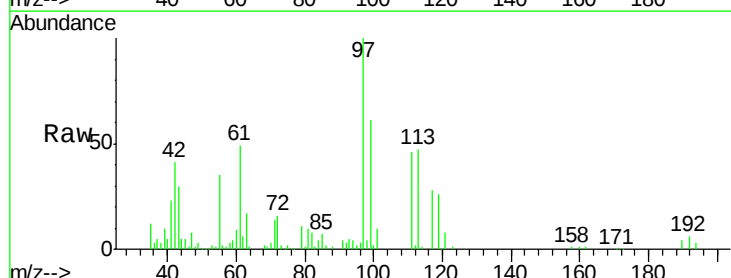
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

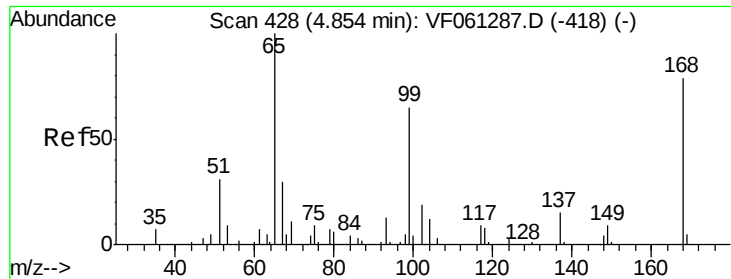
Tot Ion: 56 Resp: 177272
Ion Ratio Lower Upper
56 100
69 30.1 24.7 37.1
84 87.0 72.2 108.4



#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

ClientSampleId :

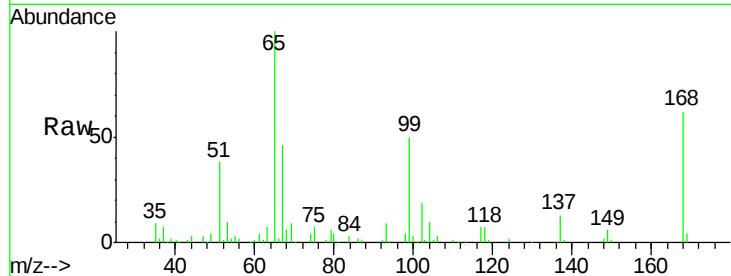
VSTDCCC050

Tot Ion: 65 Resp: 109231

Ion Ratio Lower Upper

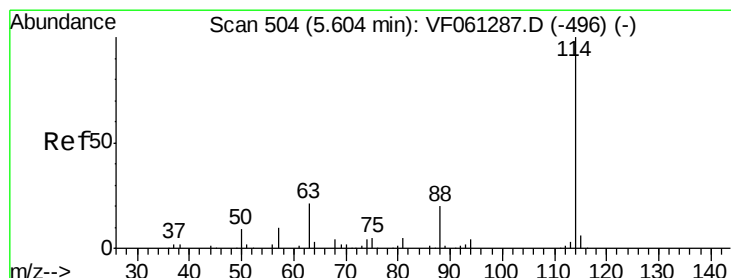
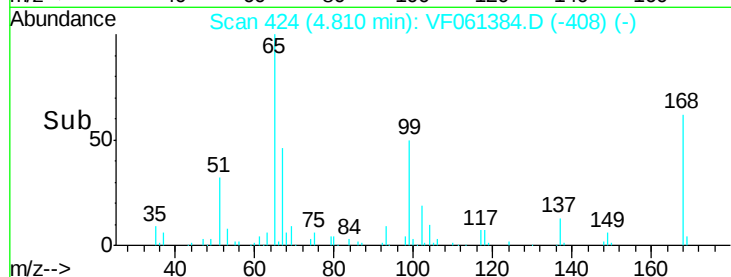
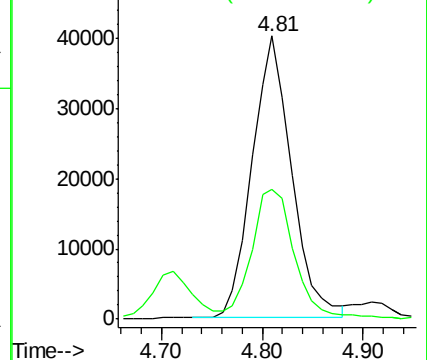
65 100

67 46.0 0.0 98.2



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#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

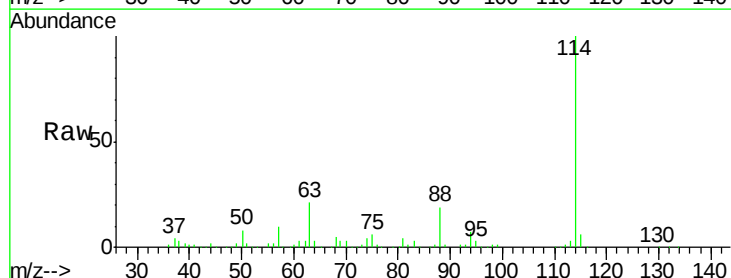
Tgt Ion: 114 Resp: 302592

Ion Ratio Lower Upper

114 100

63 20.7 0.0 42.8

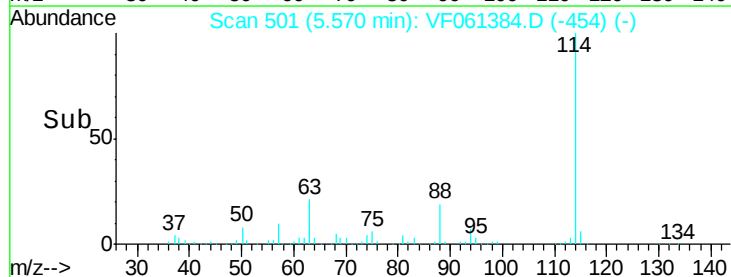
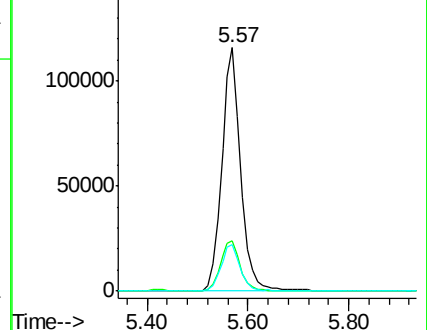
88 19.3 0.0 40.0

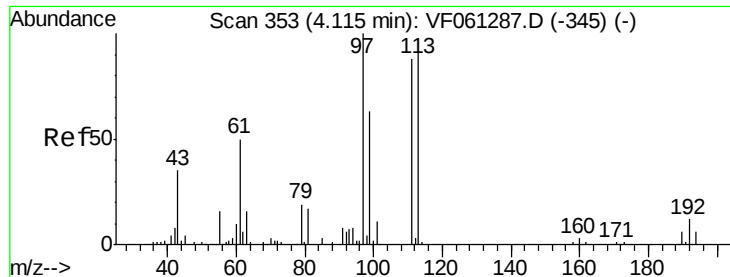


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





#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 :

VSTDCCC050

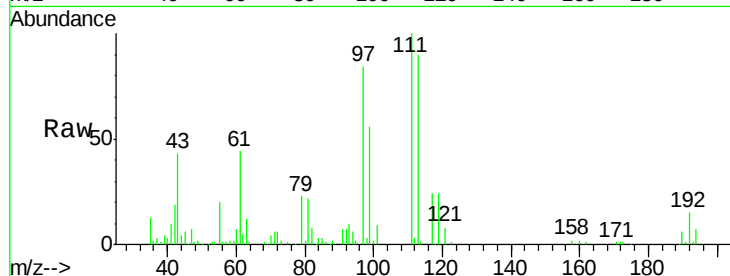
Tot Ion:113 Resp: 123879

Ion Ratio Lower Upper

113 100

111 111.2 78.0 117.0

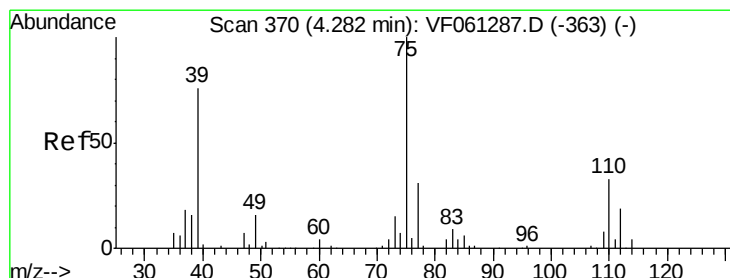
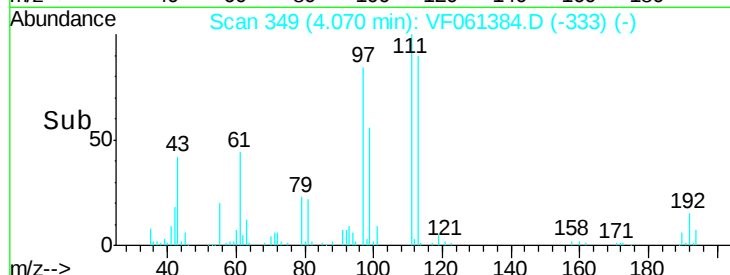
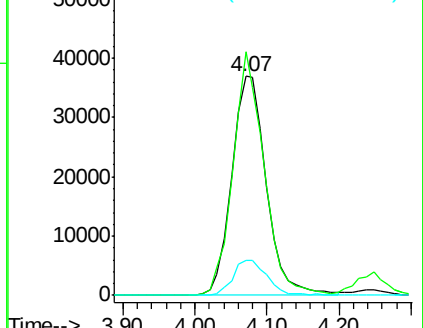
192 16.2 10.6 16.0#



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

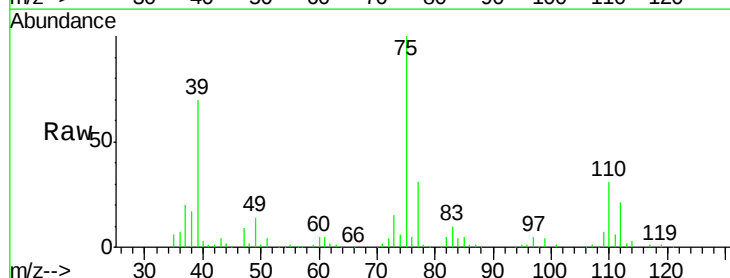
Tgt Ion: 75 Resp: 184892

Ion Ratio Lower Upper

75 100

110 31.3 16.6 49.8

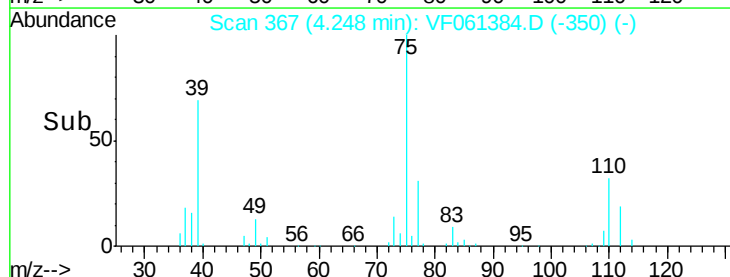
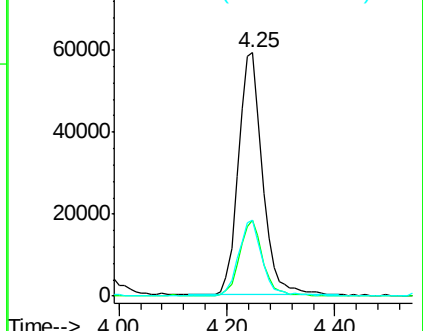
77 31.2 25.1 37.7

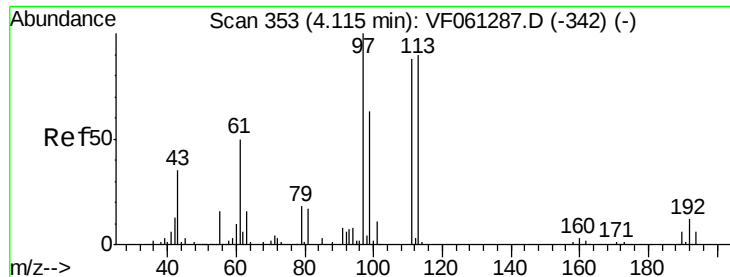


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0

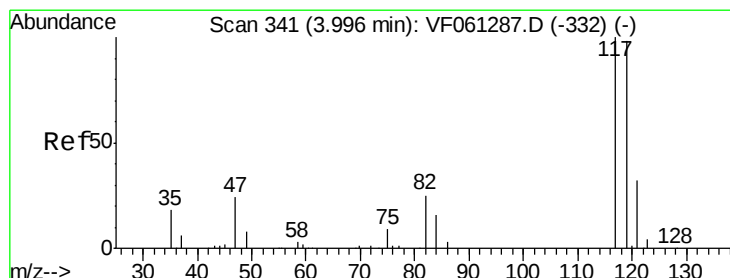
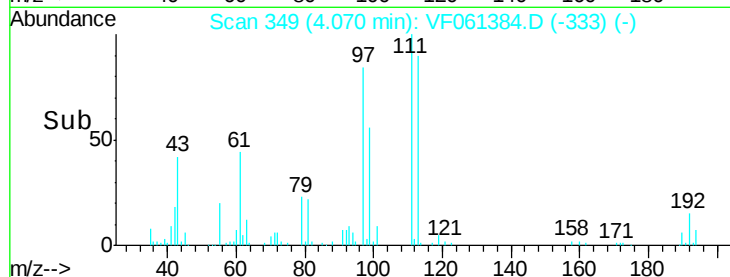
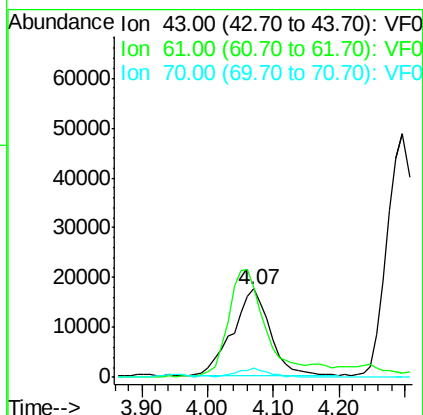
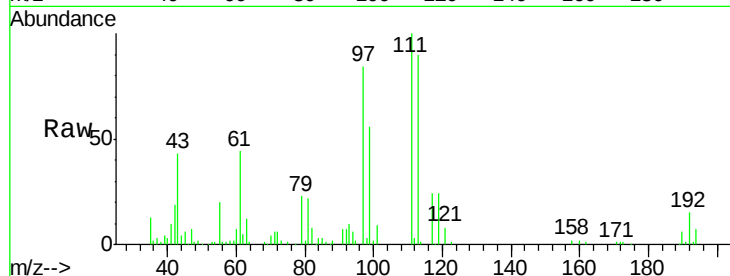




#37
Ethyl Acetate
Concen: 54.324 ug/l
RT: 4.07 min Scan# 349
Delta R.T. -0.04 min
Lab File: VF061384.D
Acq: 14 Jan 2019 12:25

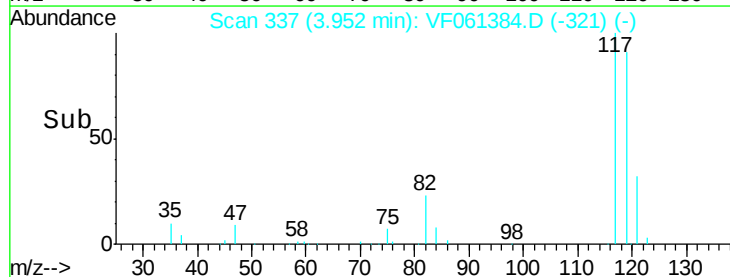
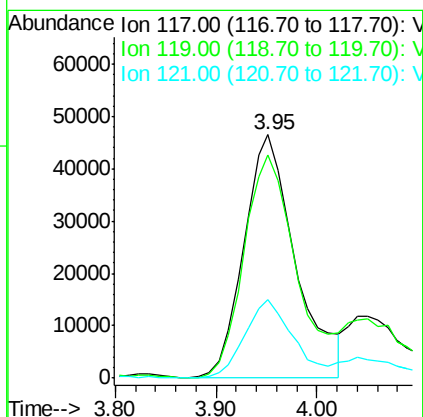
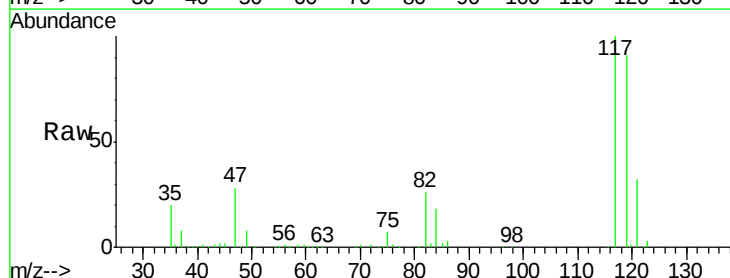
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

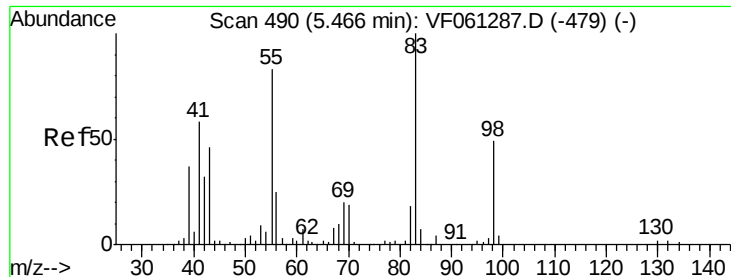
Tot Ion: 43 Resp: 69903
Ion Ratio Lower Upper
43 100
61 101.9 113.3 169.9#
70 10.2 9.4 14.0



#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

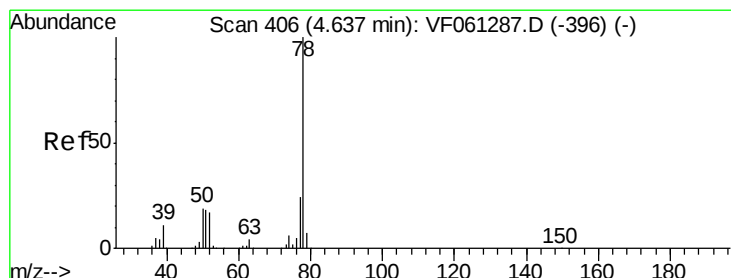
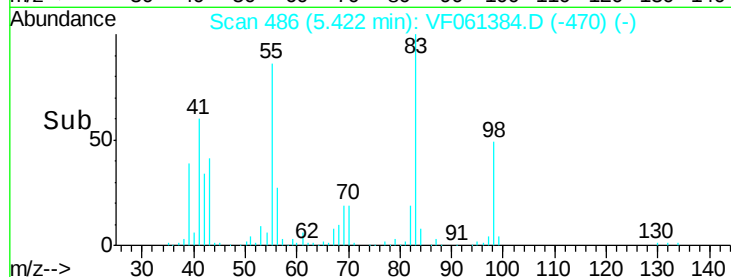
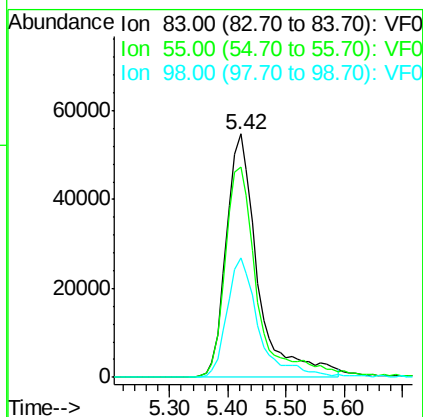
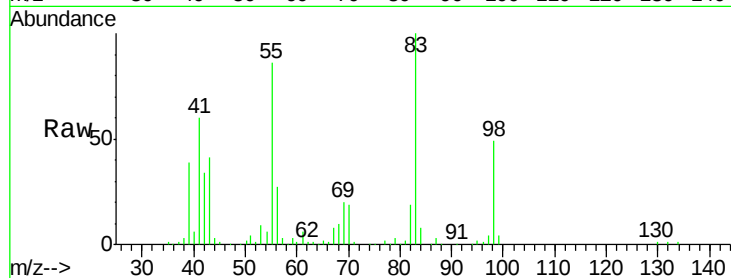




#39
Methvlcvclohexane
Concen: 46.917 ug/l
RT: 5.42 min Scan# 486
Delta R.T. -0.04 min
Lab File: VF061384.D
Acq: 14 Jan 2019 12:25

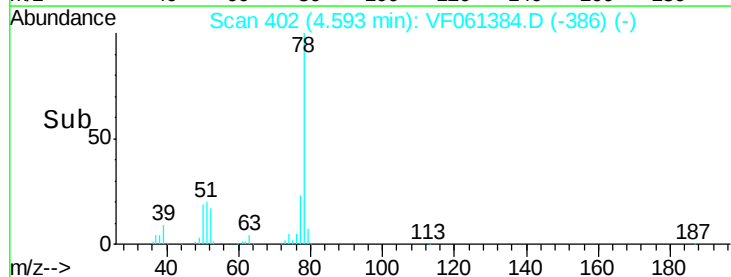
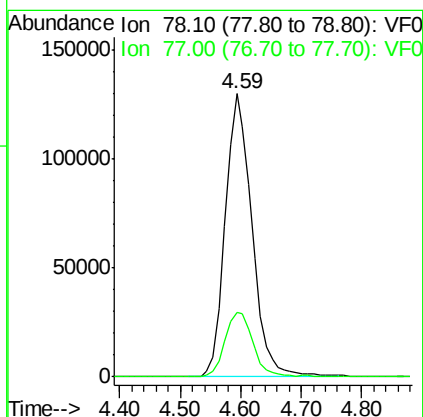
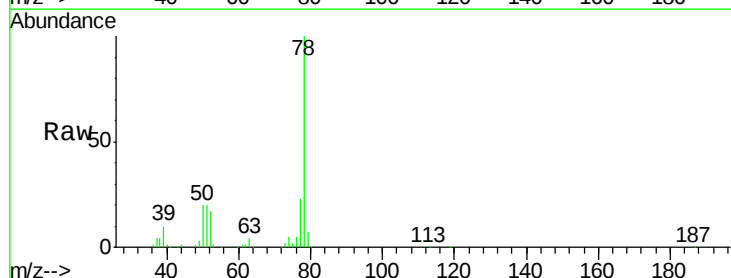
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

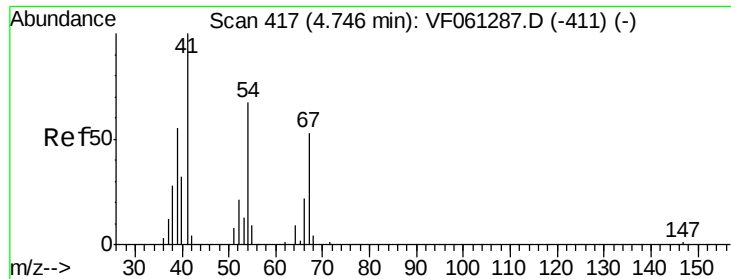
Tot Ion: 83 Resp: 207435
Ion Ratio Lower Upper
83 100
55 86.4 66.4 99.6
98 49.2 39.1 58.7



#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

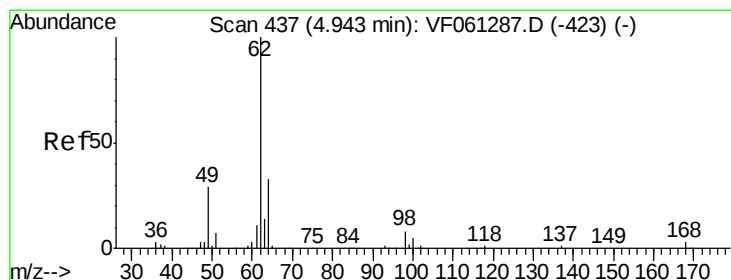
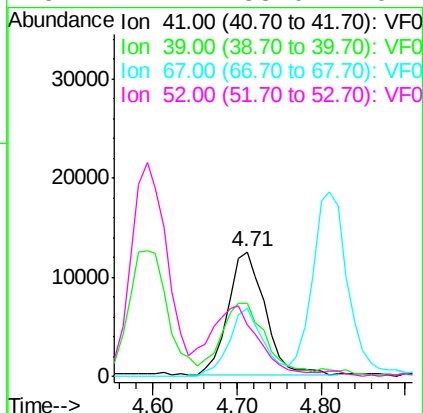
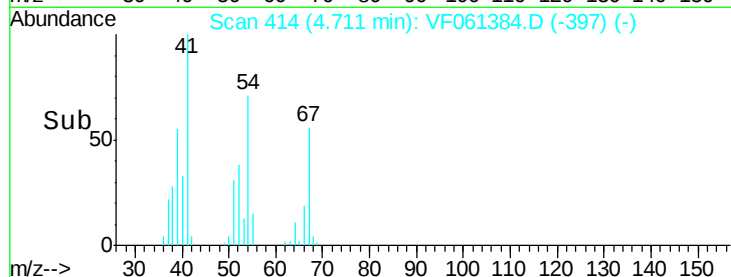
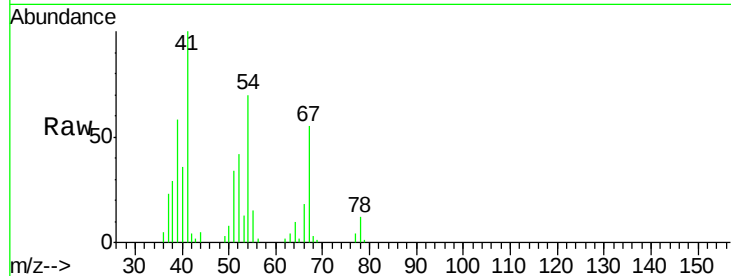




#41
Methacrylonitrile
Concen: 52.532 ug/l
RT: 4.71 min Scan# 414
Delta R.T. -0.03 min
Lab File: VF061384.D
Acq: 14 Jan 2019 12:25

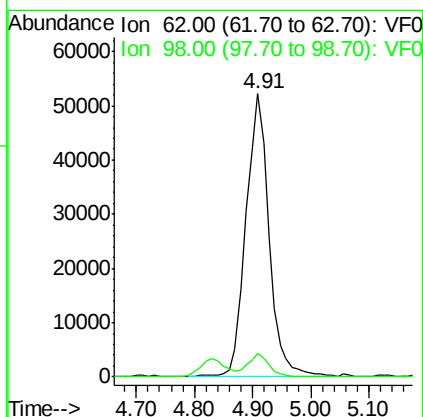
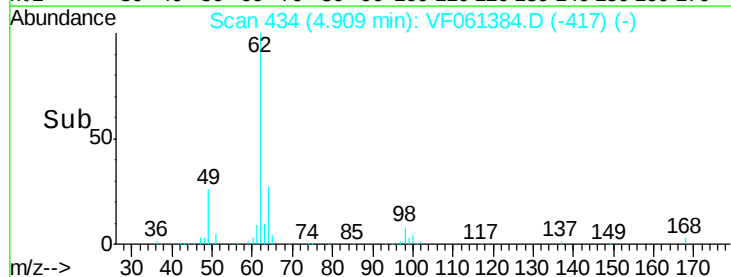
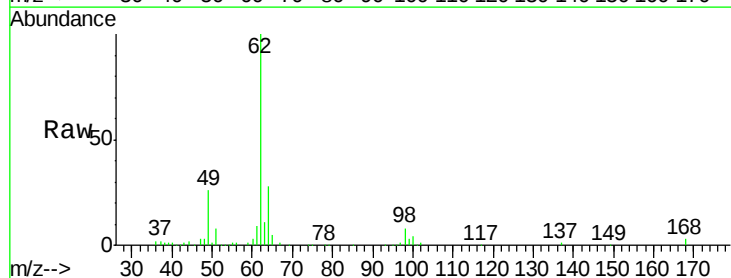
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

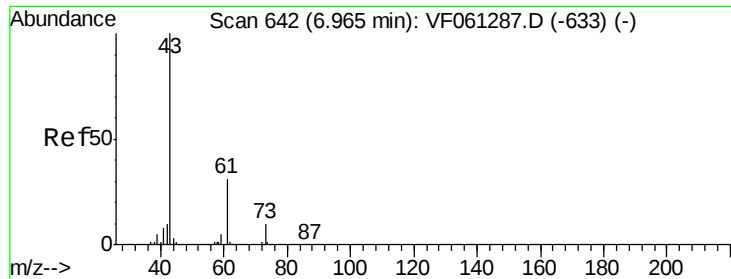
Tot Ion: 41 Resp: 37749
Ion Ratio Lower Upper
41 100
39 58.5 52.7 79.1
67 54.6 41.4 62.2
52 41.7 33.0 49.4



#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



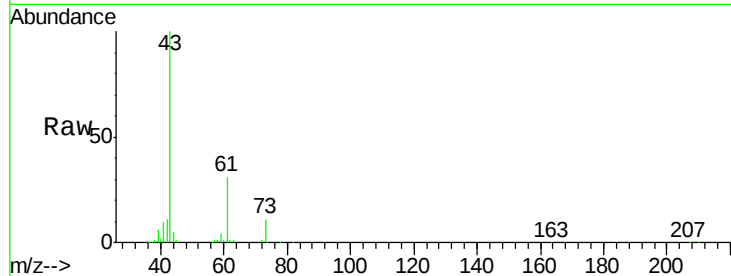


#43

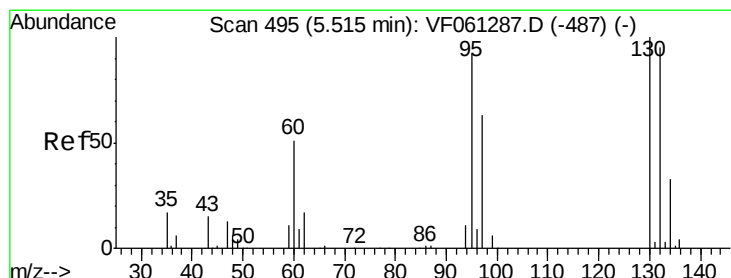
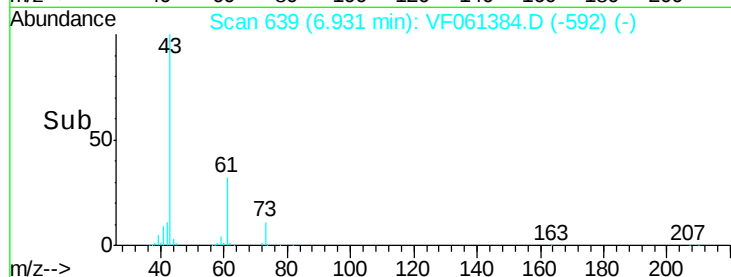
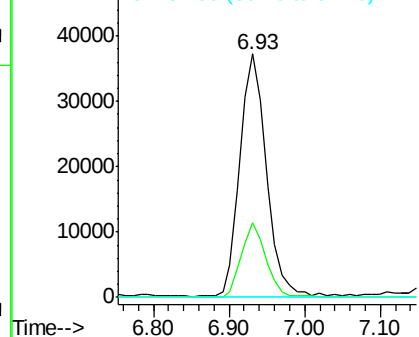
Isopropyl Acetate
 Concen: 54.053 ug/l
 RT: 6.93 min Scan# 639
 Delta R.T. -0.03 min
 Lab File: VF061384.D
 Acq: 14 Jan 2019 12:25

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

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#



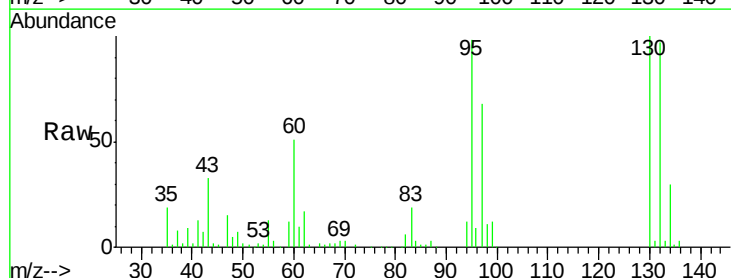
Abundance Ion 43.00 (42.70 to 43.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 87.00 (86.70 to 87.70): VF0



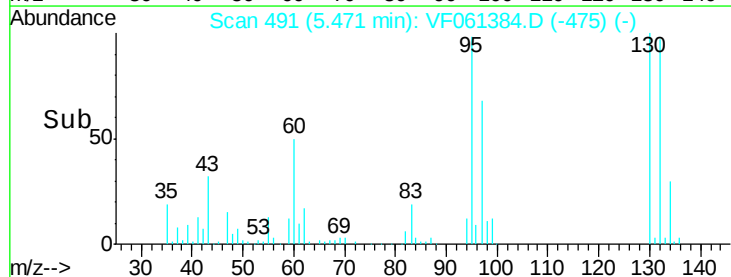
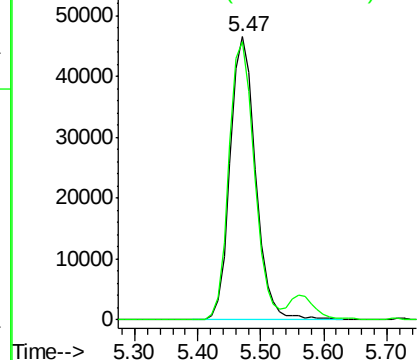
#44

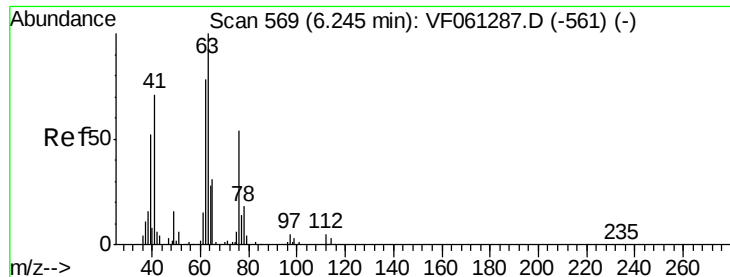
Trichloroethene
 Concen: 53.890 ug/l
 RT: 5.47 min Scan# 491
 Delta R.T. -0.04 min
 Lab File: VF061384.D
 Acq: 14 Jan 2019 12:25

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



Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VF0





#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 :

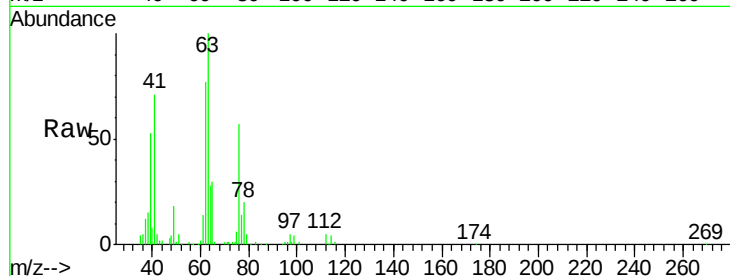
VSTDCCC050

Tot Ion: 63 Resp: 105741

Ion Ratio Lower Upper

63 100

65 29.8 25.1 37.7



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0

6.21

40000

30000

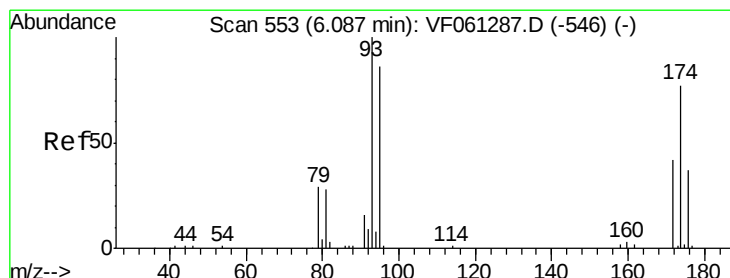
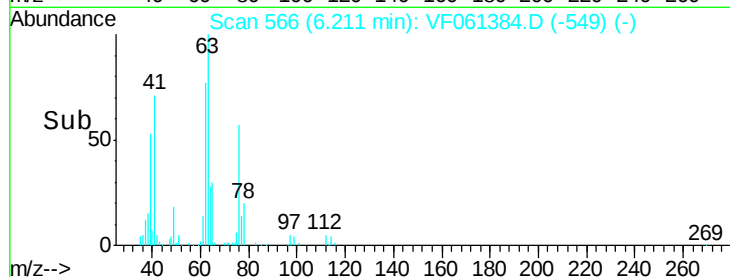
20000

10000

0

6.10 6.20 6.30

Time-->



#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

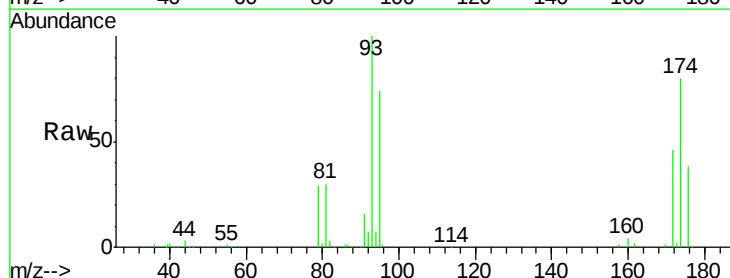
Tgt Ion: 93 Resp: 71084

Ion Ratio Lower Upper

93 100

95 74.0 68.8 103.2

174 79.9 62.9 94.3



Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

6.05

40000

30000

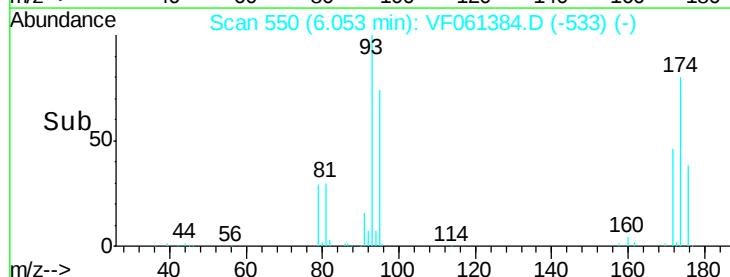
20000

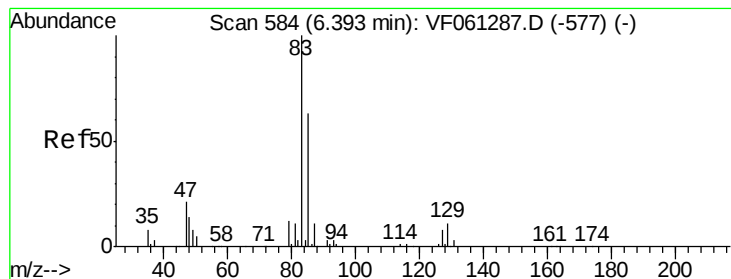
10000

0

5.90 6.00 6.10 6.20

Time-->





#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 :

VSTDCCC050

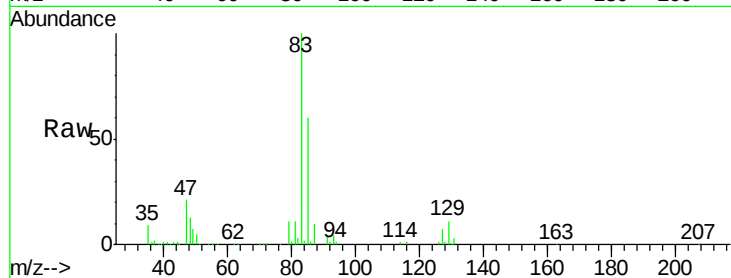
Tot Ion: 83 Resp: 184156

Ion Ratio Lower Upper

83 100

85 60.0 50.4 75.6

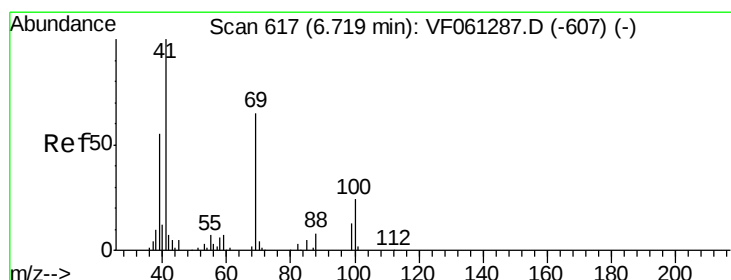
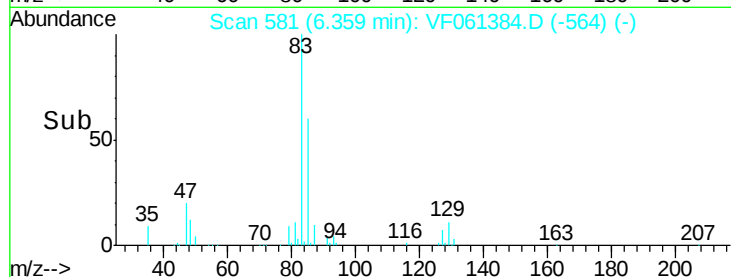
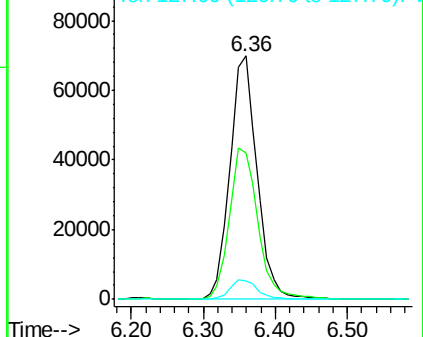
127 7.4 6.4 9.6



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): VF0



#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

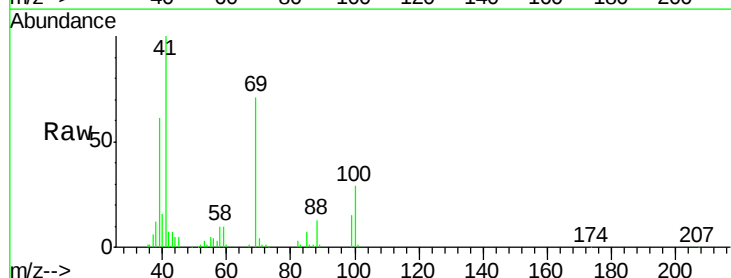
Tgt Ion: 41 Resp: 58218

Ion Ratio Lower Upper

41 100

69 71.0 51.5 77.3

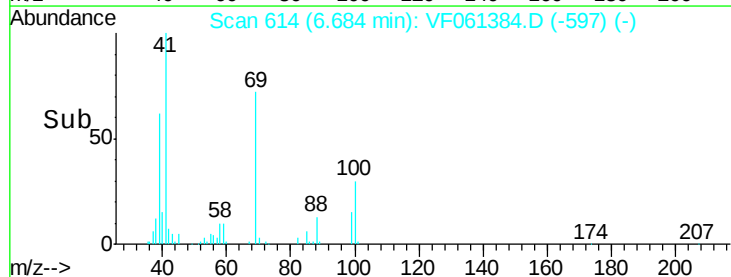
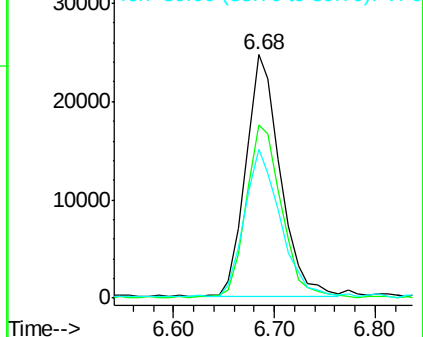
39 61.4 44.1 66.1

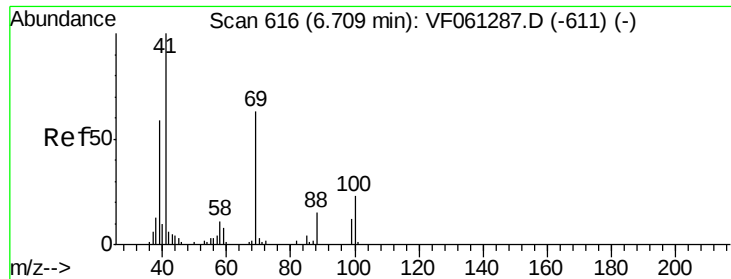


Abundance Ion 41.00 (40.70 to 41.70): VF0

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 :

VSTDCCC050

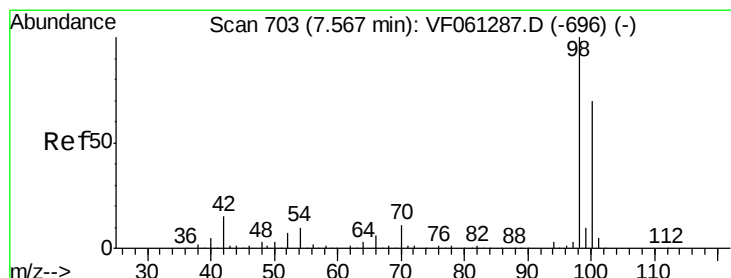
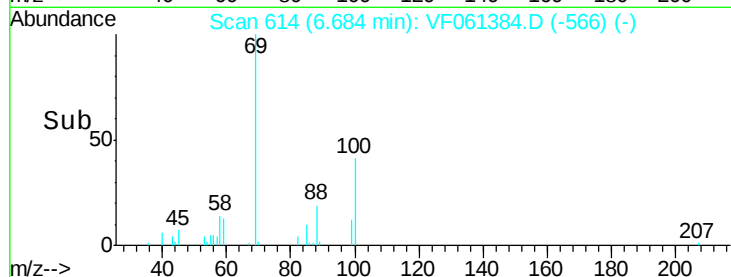
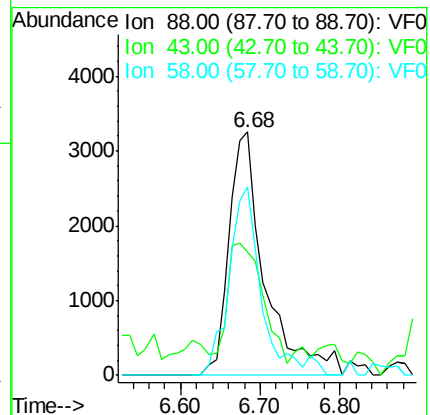
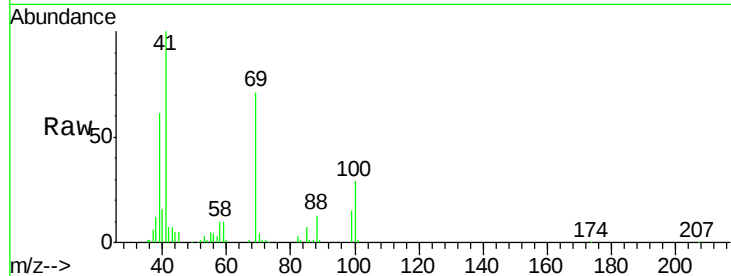
Tot Ion: 88 Resp: 10281

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

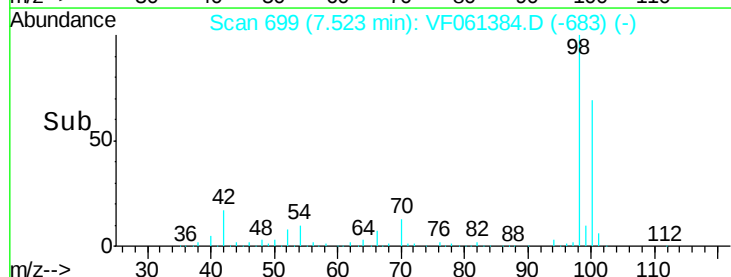
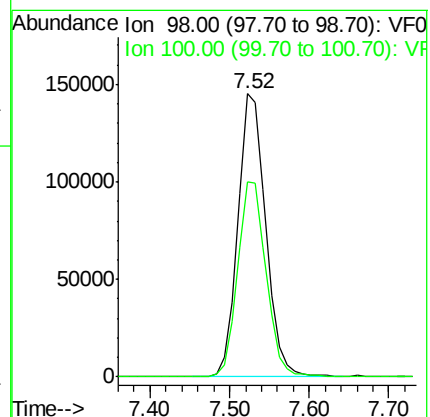
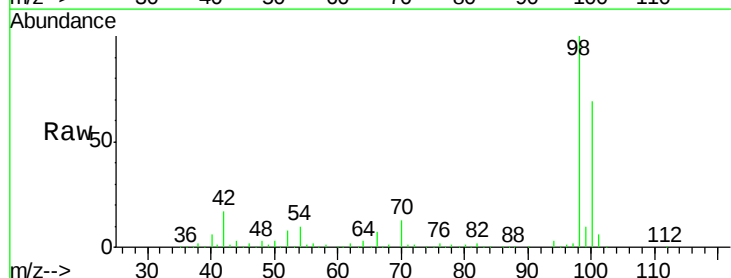
Acq: 14 Jan 2019 12:25

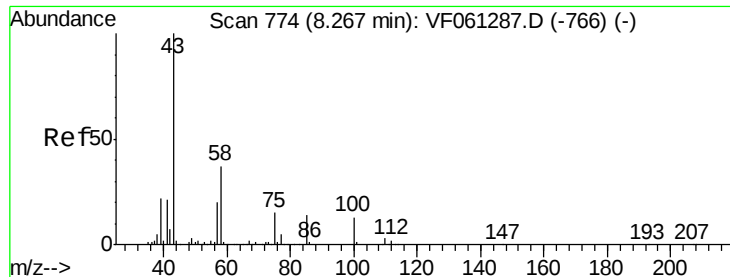
Tgt Ion: 98 Resp: 353793

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 :

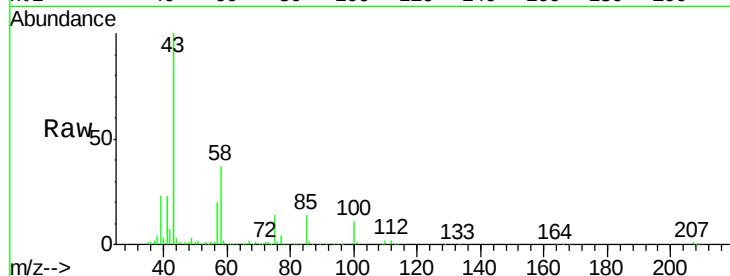
VSTDCCC050

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

8.23

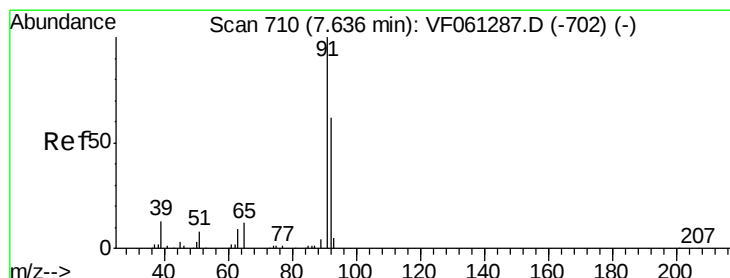
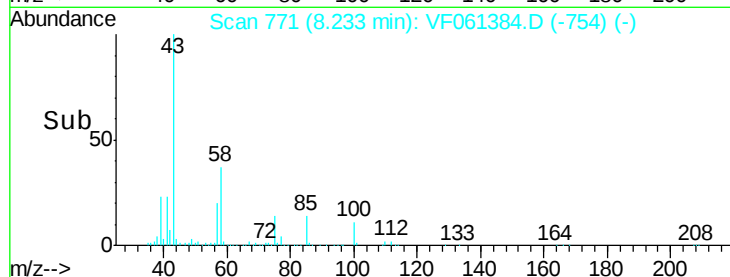
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 52.342 ug/l

RT: 7.59 min Scan# 706

Delta R.T. -0.04 min

Lab File: VF061384.D

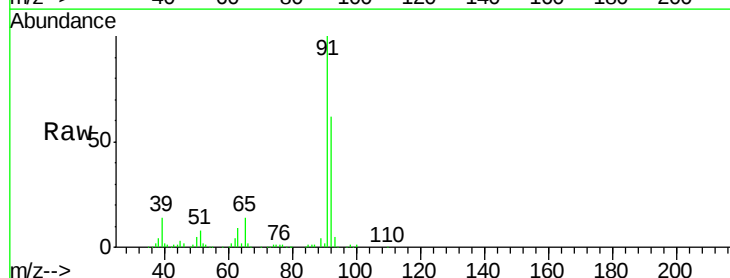
Acq: 14 Jan 2019 12:25

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

7.59

200000

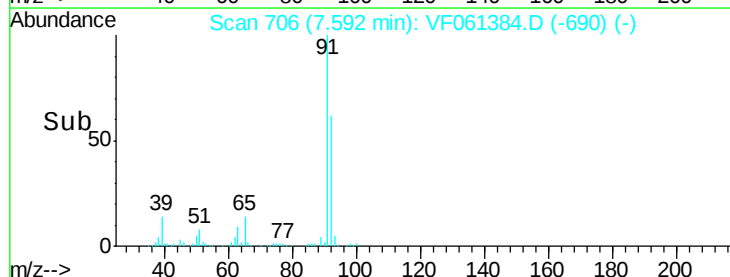
150000

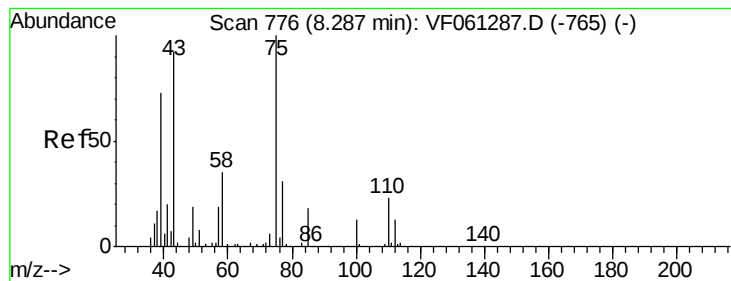
100000

50000

0

Time-->





#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 :

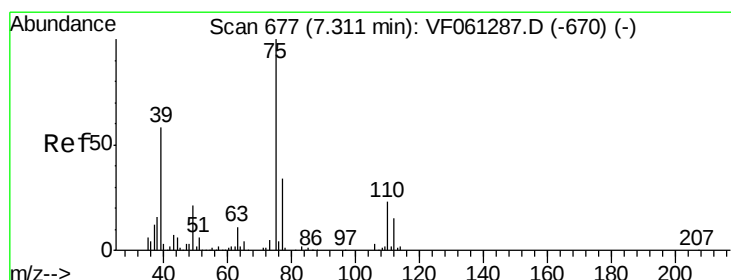
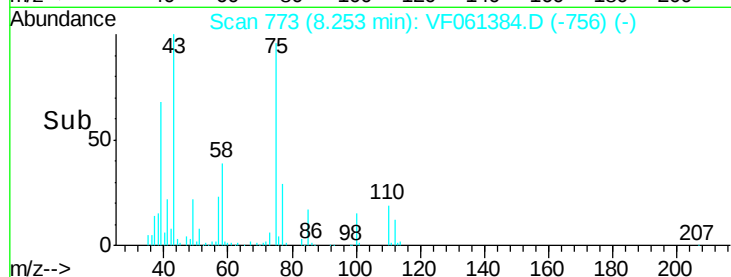
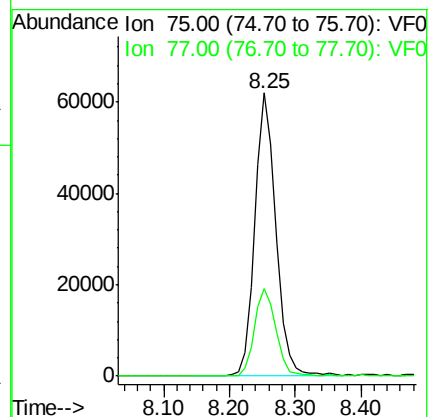
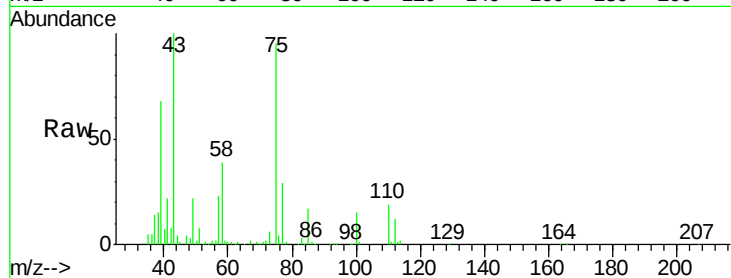
VSTDCCC050

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

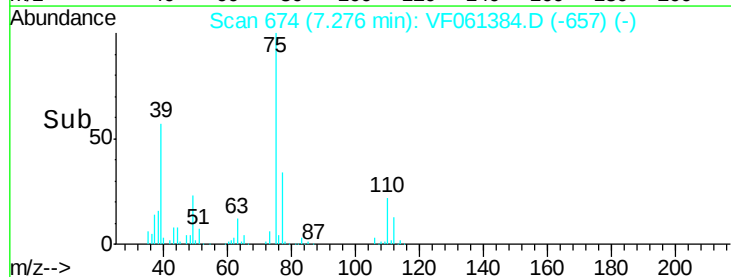
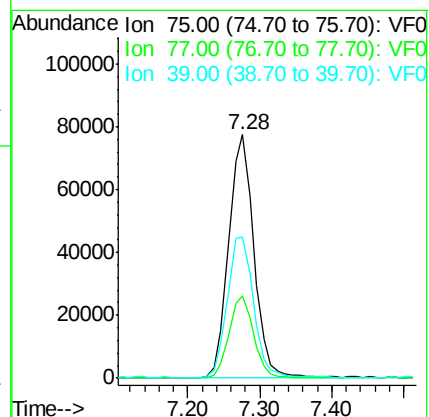
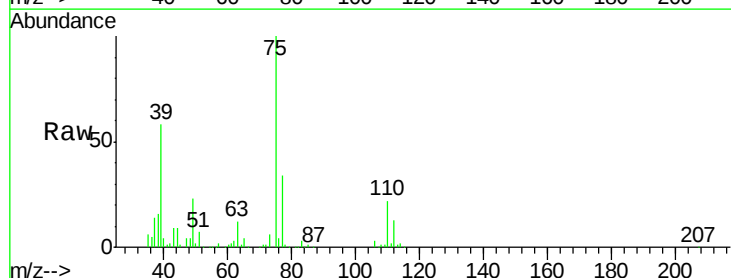
Tgt Ion: 75 Resp: 189246

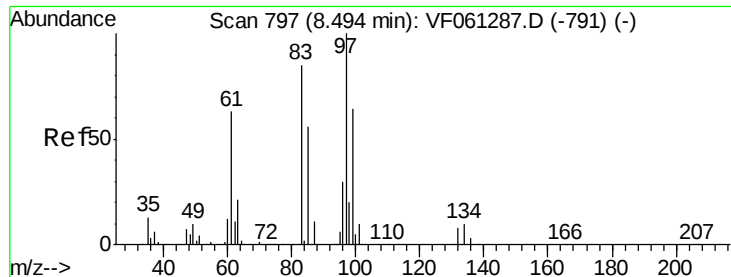
Ion Ratio Lower Upper

75 100

77 33.6 27.3 40.9

39 57.8 46.3 69.5

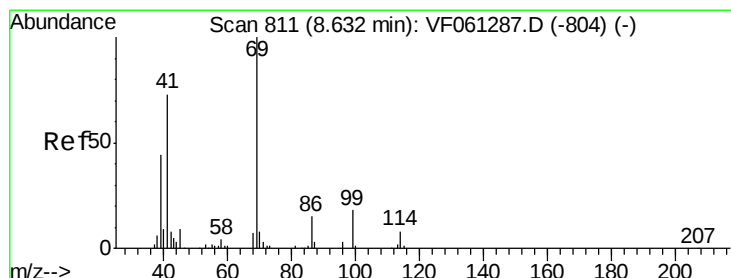
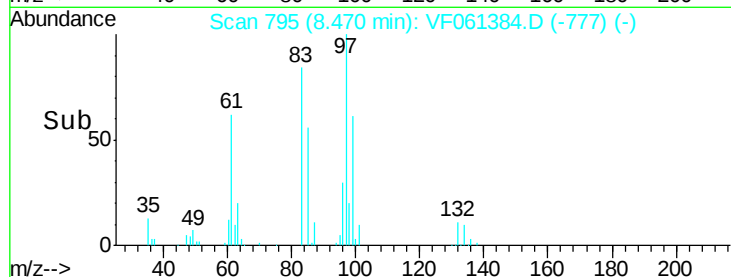
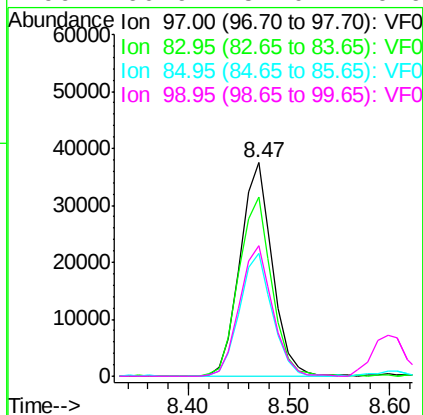
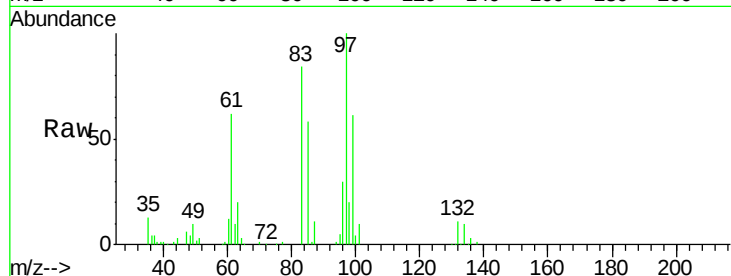




#55
 1,1,2-Trichloroethane
 Concen: 56.500 ug/l
 RT: 8.47 min Scan# 795
 Delta R.T. -0.02 min
 Lab File: VF061384.D
 Acq: 14 Jan 2019 12:25

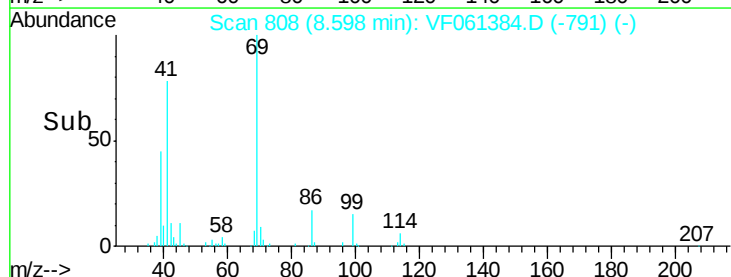
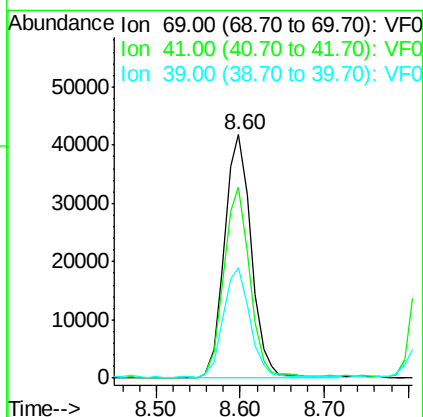
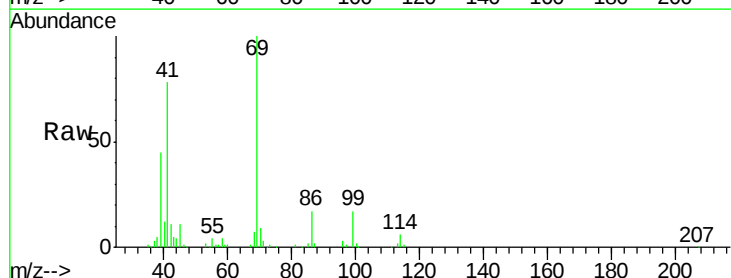
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

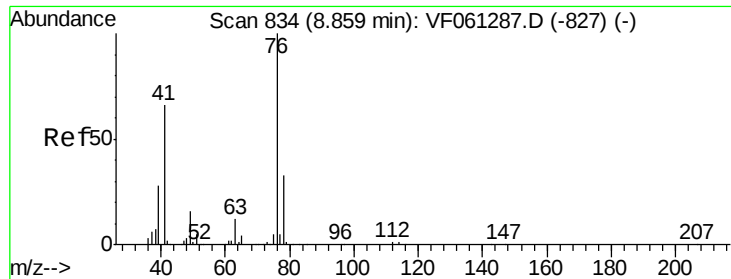
Tot Ion: 97 Resp: 83834
 Ion Ratio Lower Upper
 97 100
 83 84.0 67.8 101.6
 85 57.7 45.1 67.7
 99 60.9 51.0 76.6



#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





#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 :

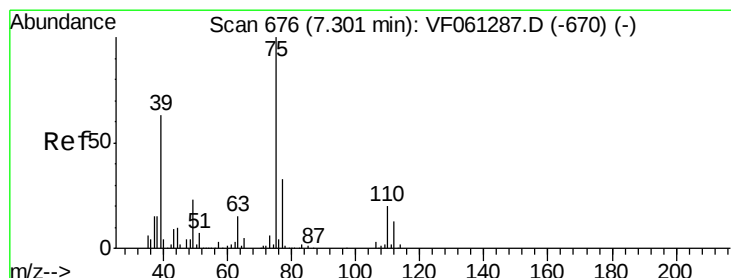
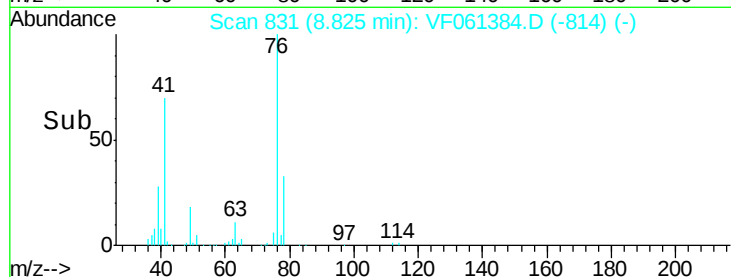
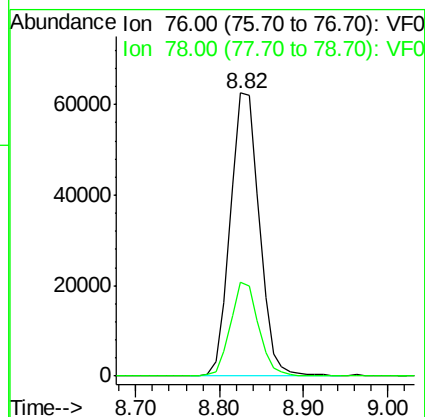
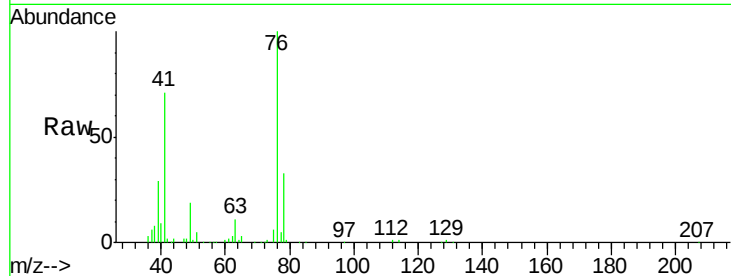
VSTDCCC050

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

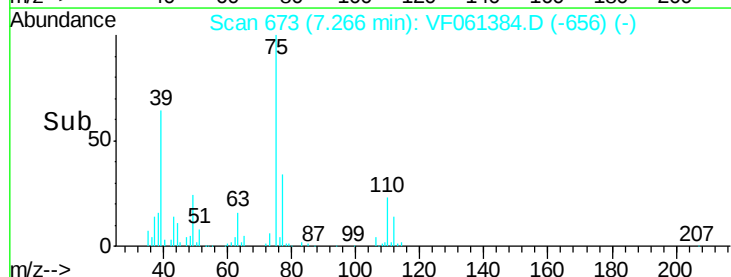
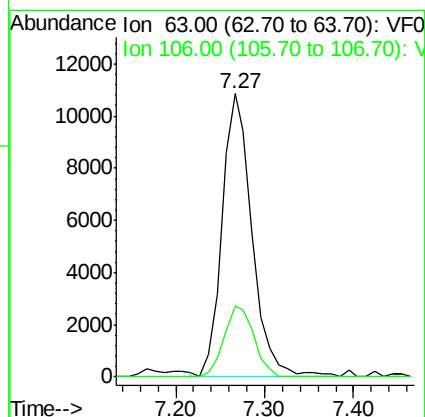
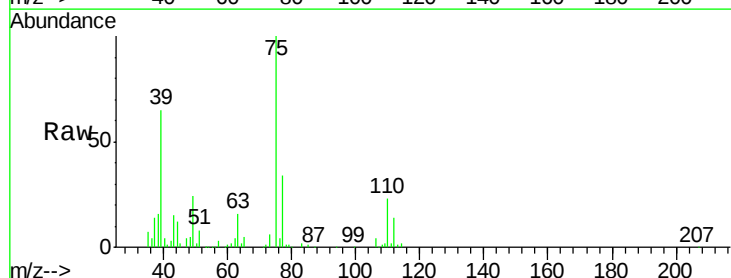
Acq: 14 Jan 2019 12:25

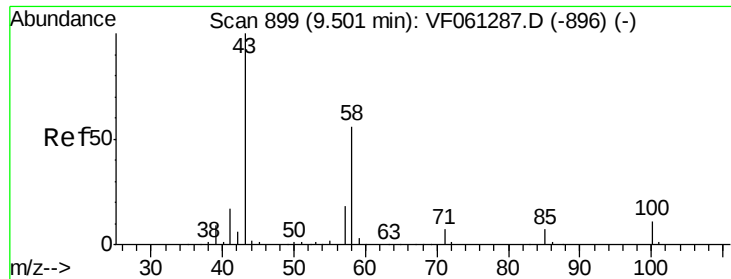
Tgt Ion: 63 Resp: 25589

Ion Ratio Lower Upper

63 100

106 25.2 16.5 24.7#

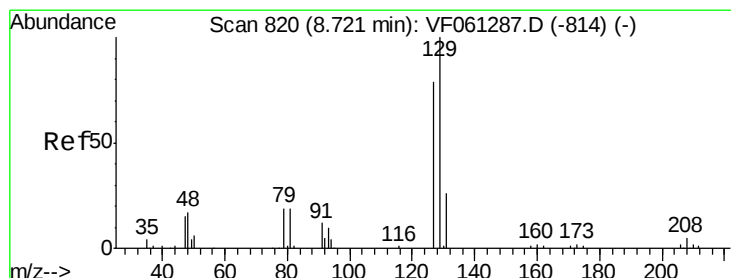
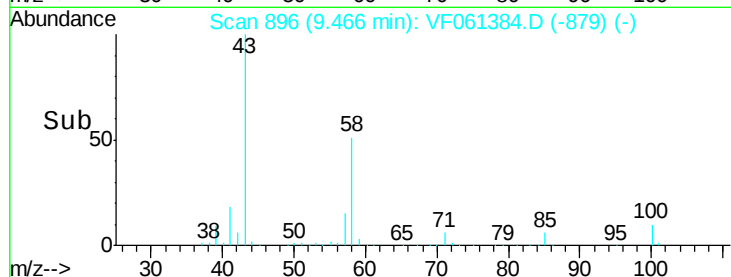
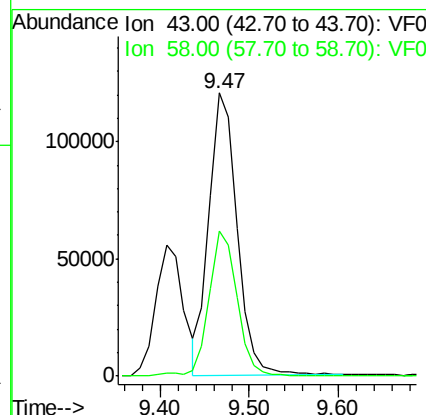
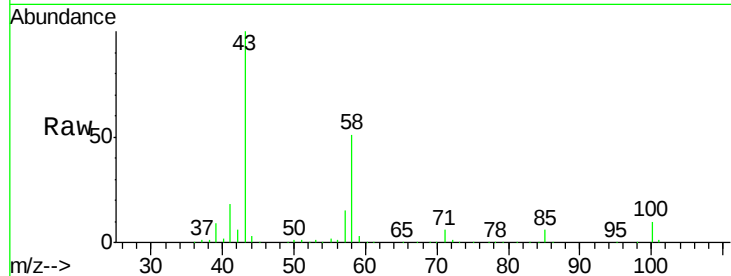




#59
2-Hexanone
Concen: 291.207 ug/l
RT: 9.47 min Scan# 896
Delta R.T. -0.03 min
Lab File: VF061384.D
Acq: 14 Jan 2019 12:25

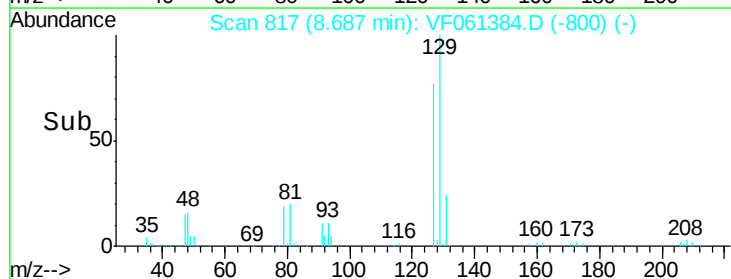
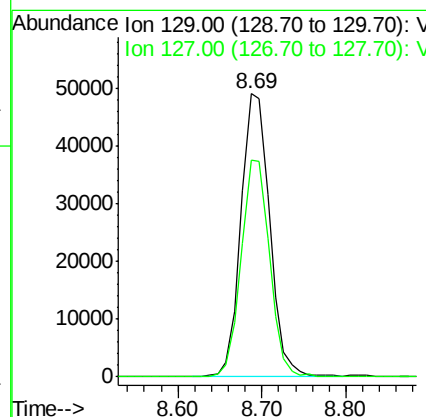
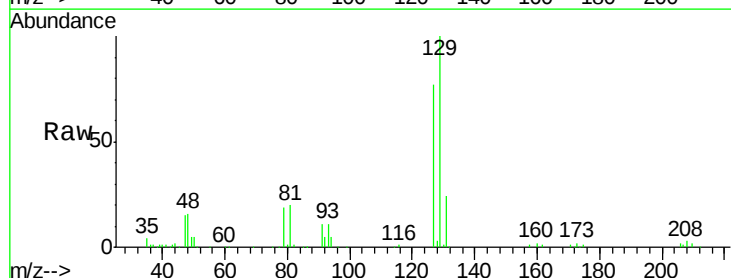
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

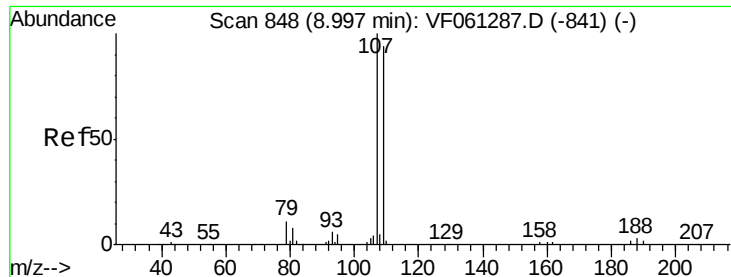
Tot Ion: 43 Resp: 264545
Ion Ratio Lower Upper
43 100
58 51.1 25.6 76.8



#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 :

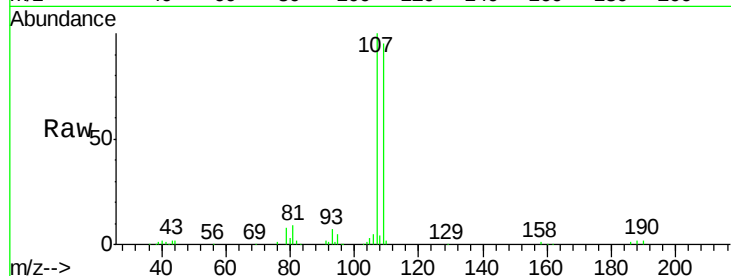
VSTDCCC050

Tot Ion:107 Resp: 86646

Ion Ratio Lower Upper

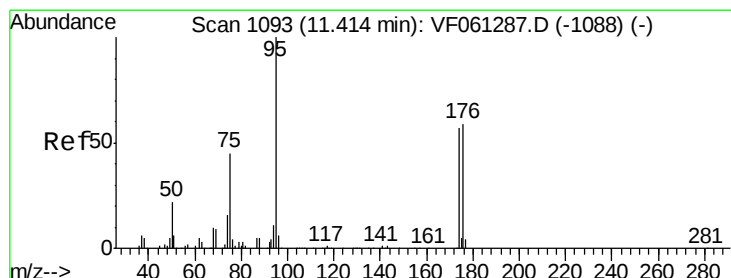
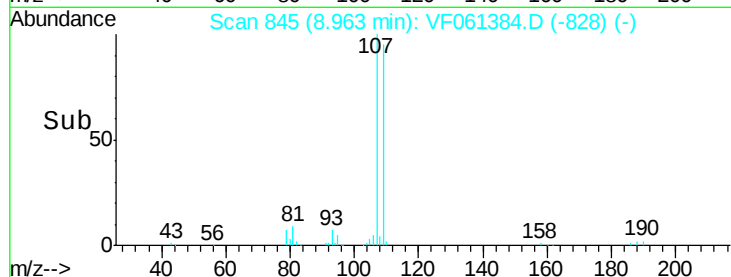
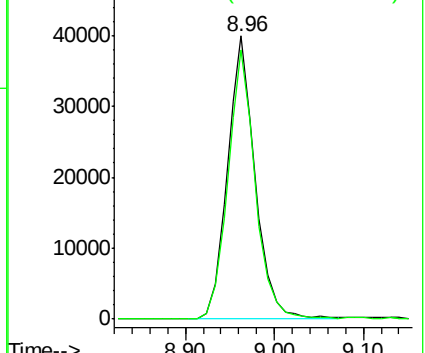
107 100

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

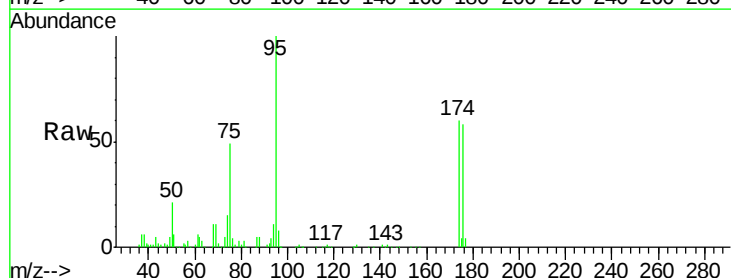
Tgt Ion: 95 Resp: 152739

Ion Ratio Lower Upper

95 100

174 60.4 0.0 114.2

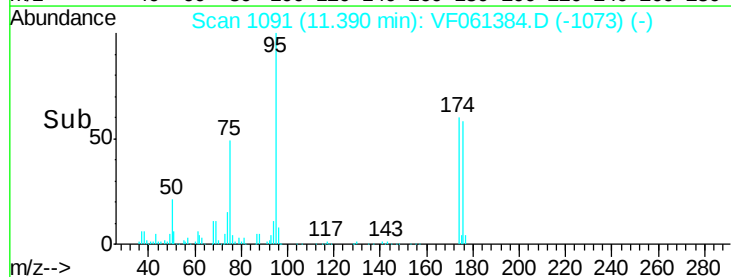
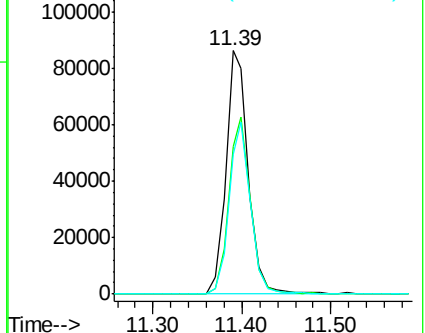
176 57.7 0.0 117.8

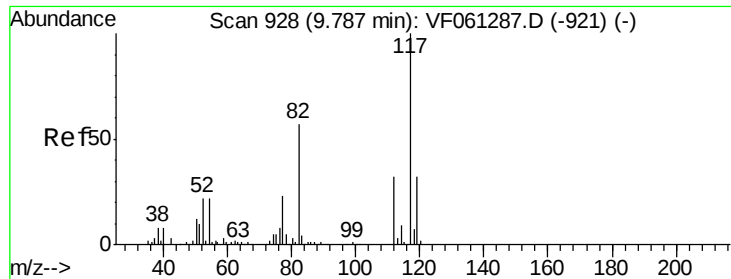


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

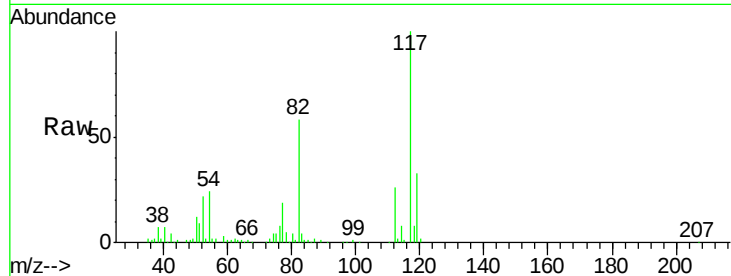




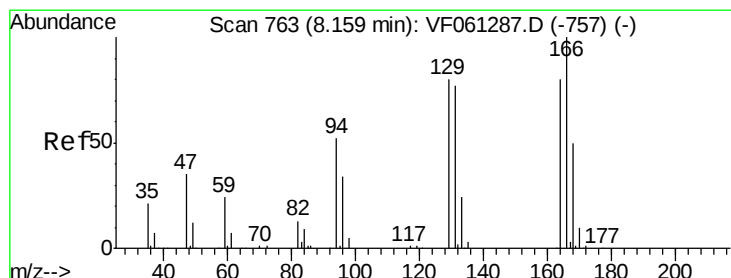
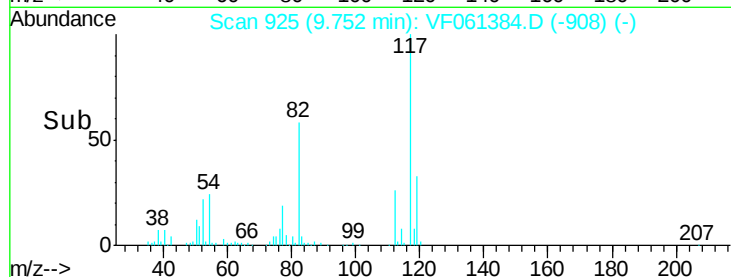
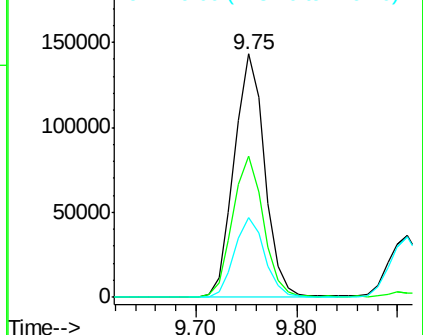
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.75 min Scan# 925
Delta R.T. -0.03 min
Lab File: VF061384.D
Acq: 14 Jan 2019 12:25

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

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

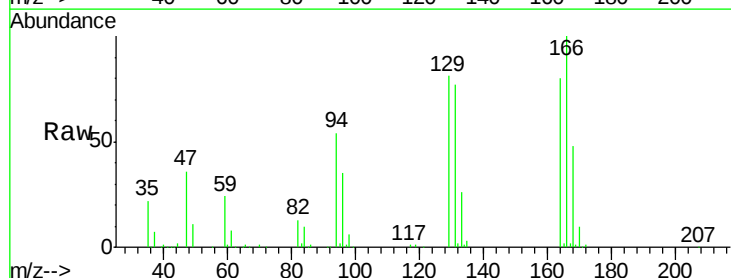


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

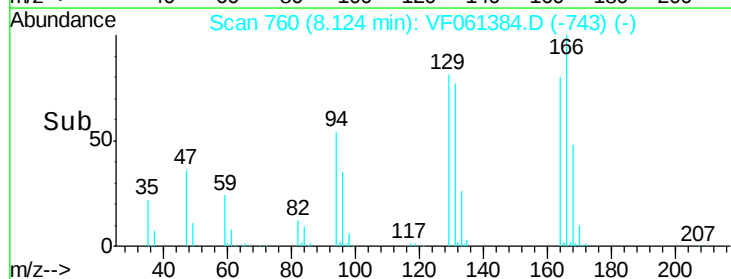
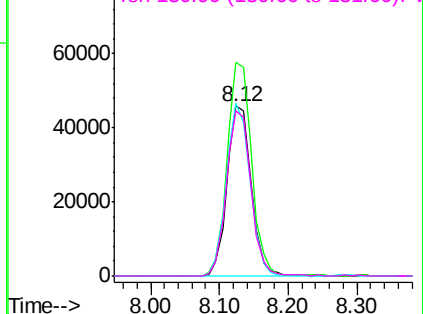


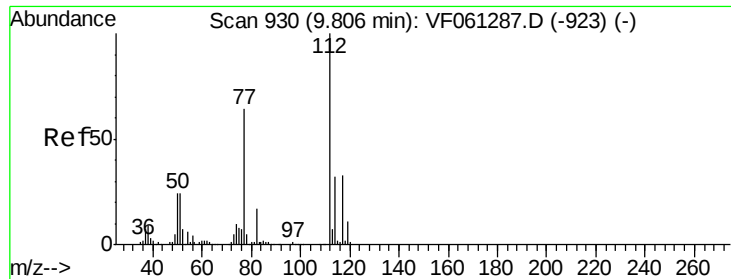
#64
Tetrachloroethene
Concen: 50.515 ug/l
RT: 8.12 min Scan# 760
Delta R.T. -0.03 min
Lab File: VF061384.D
Acq: 14 Jan 2019 12:25

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

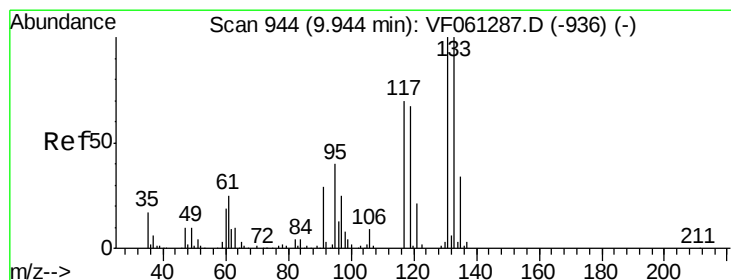
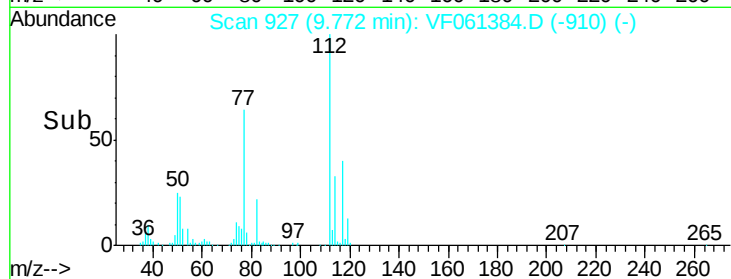
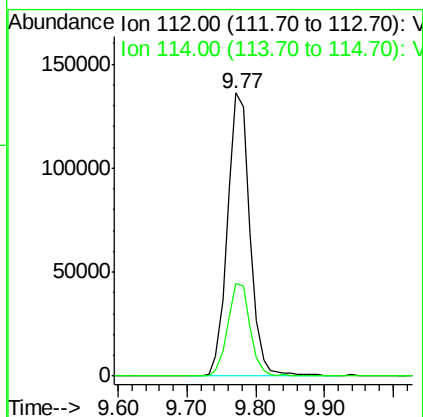
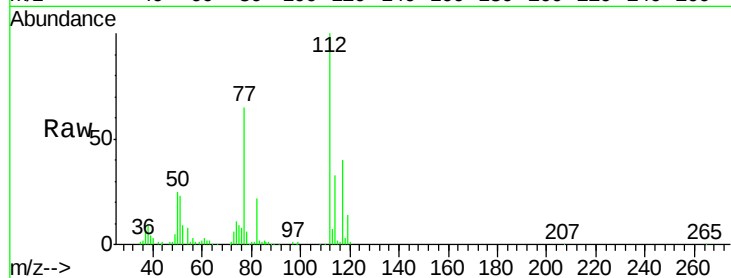




#65
Chlorobenzene
Concen: 49.986 ug/l
RT: 9.77 min Scan# 927
Delta R.T. -0.03 min
Lab File: VF061384.D
Acq: 14 Jan 2019 12:25

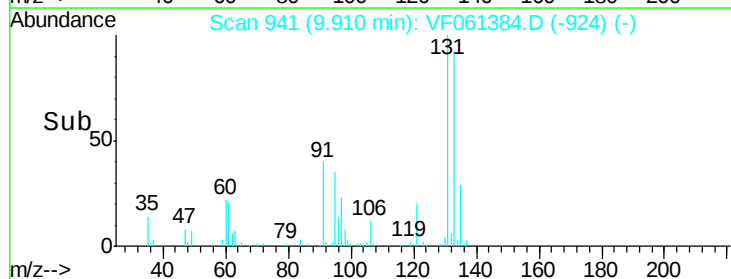
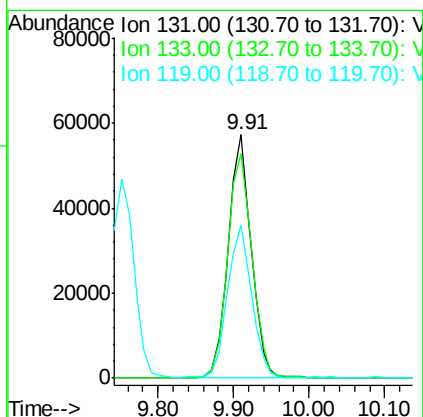
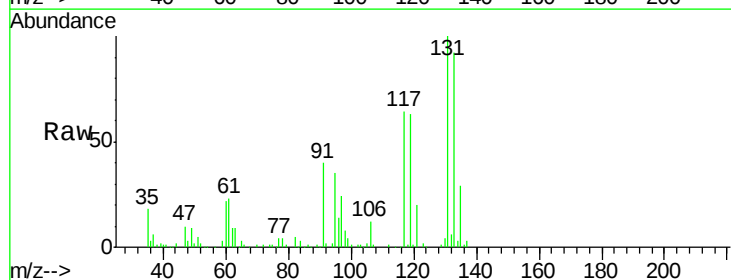
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

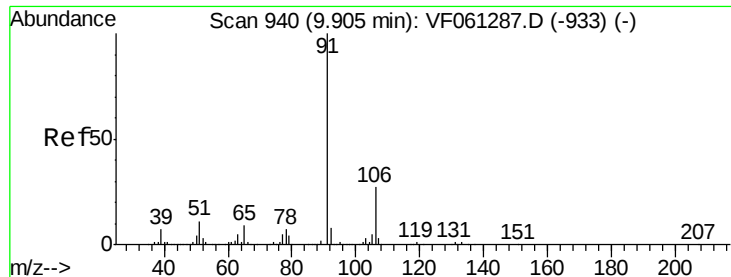
Tot Ion:112 Resp: 307022
Ion Ratio Lower Upper
112 100
114 32.8 25.8 38.8



#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

ClientSampleId :

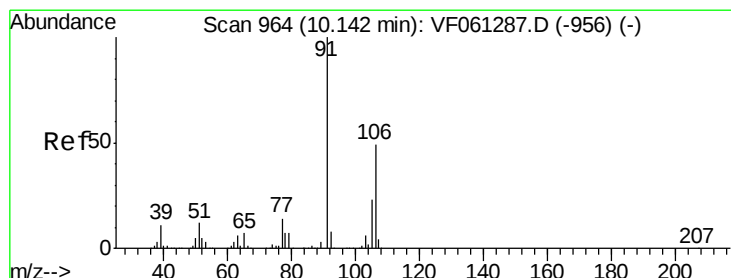
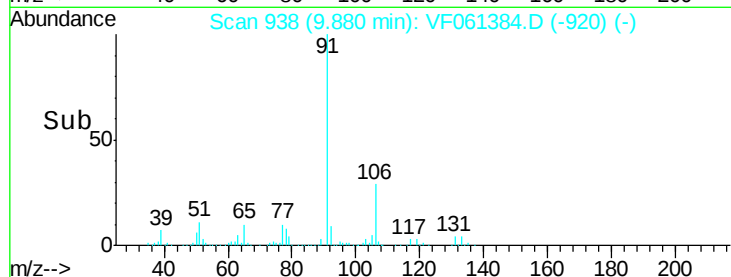
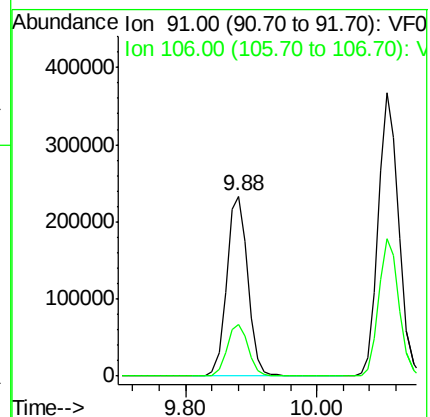
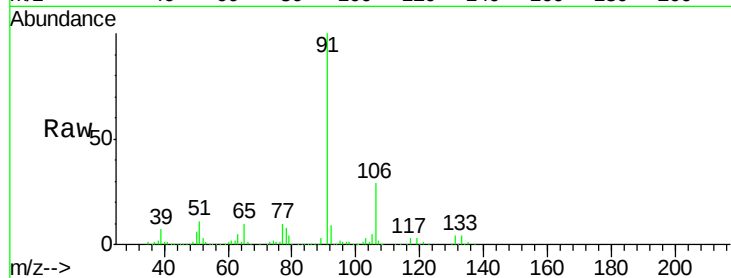
VSTDCCC050

Tot Ion: 91 Resp: 526082

Ion Ratio Lower Upper

91 100

106 28.6 21.4 32.2



#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

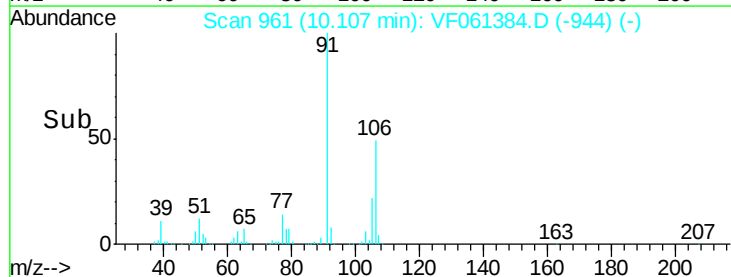
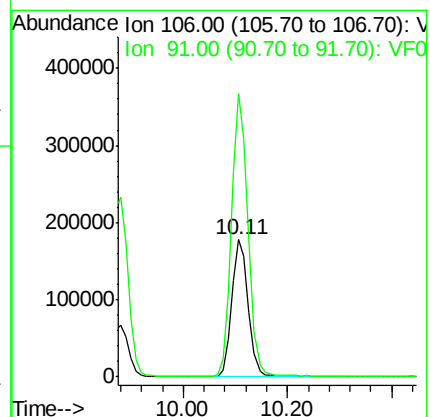
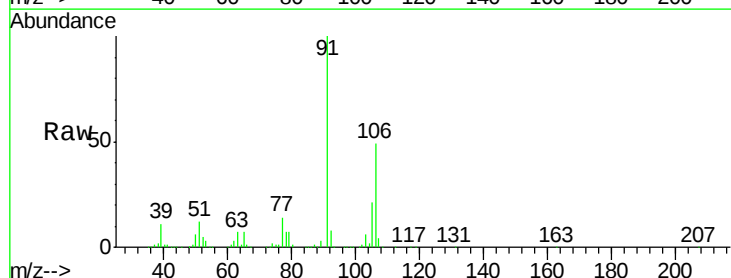
Acq: 14 Jan 2019 12:25

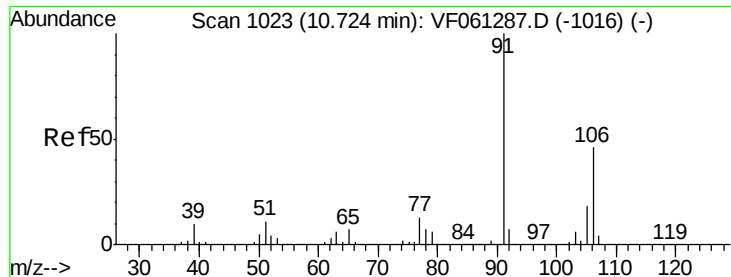
Tgt Ion: 106 Resp: 384912

Ion Ratio Lower Upper

106 100

91 206.0 165.0 247.6

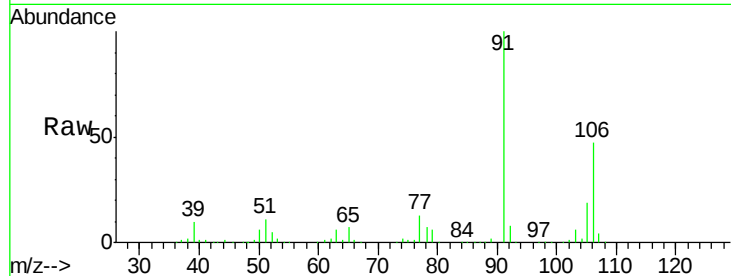




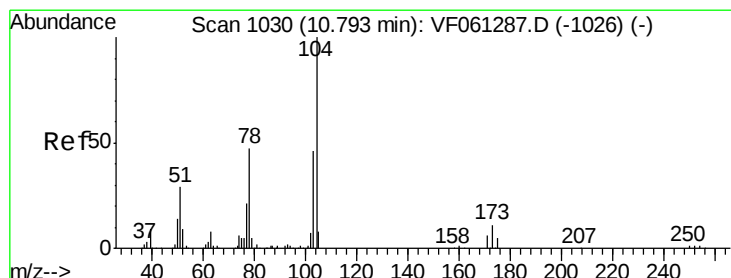
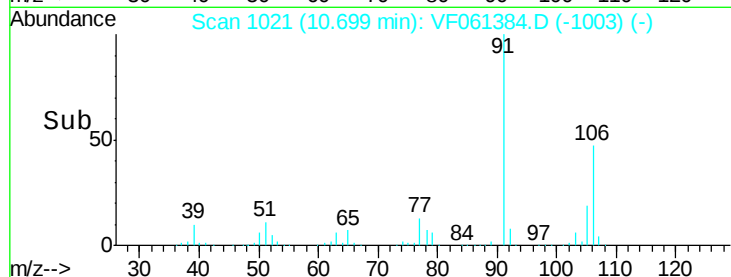
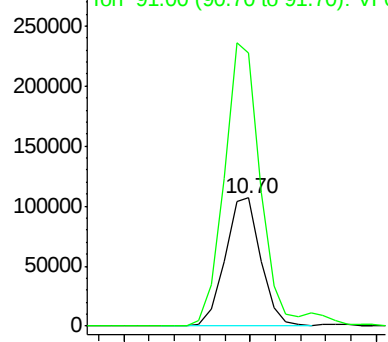
#69
o-Xylene
Concen: 45.452 ug/l
RT: 10.70 min Scan# 1021
Delta R.T. -0.02 min
Lab File: VF061384.D
Acq: 14 Jan 2019 12:25

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

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

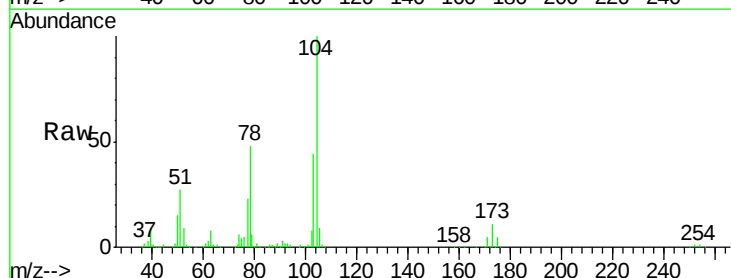


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VF0

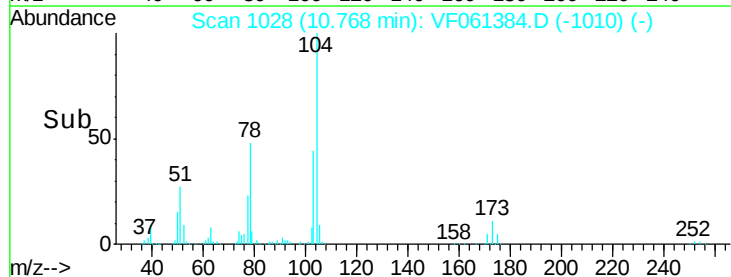
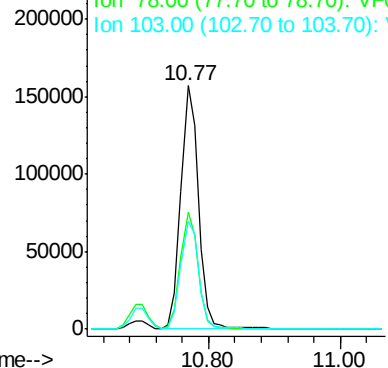


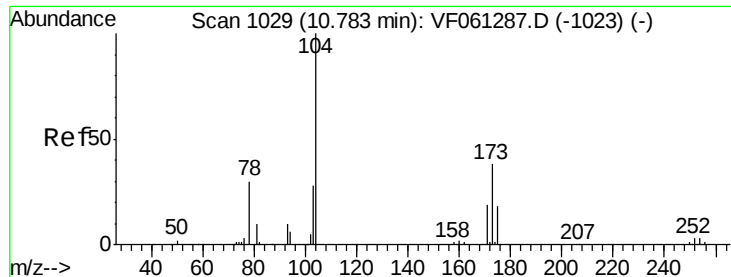
#70
Styrene
Concen: 46.500 ug/l
RT: 10.77 min Scan# 1028
Delta R.T. -0.02 min
Lab File: VF061384.D
Acq: 14 Jan 2019 12:25

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 :

VSTDCCC050

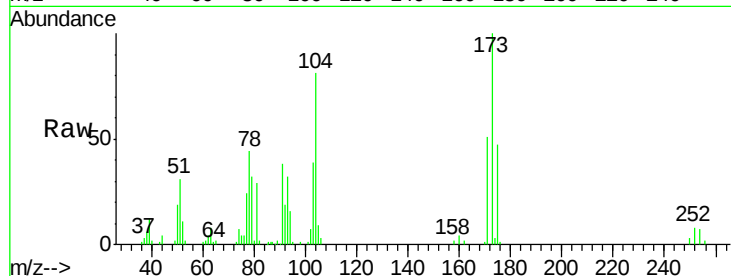
Tot Ion:173 Resp: 59137

Ion Ratio Lower Upper

173 100

175 46.6 24.1 72.2

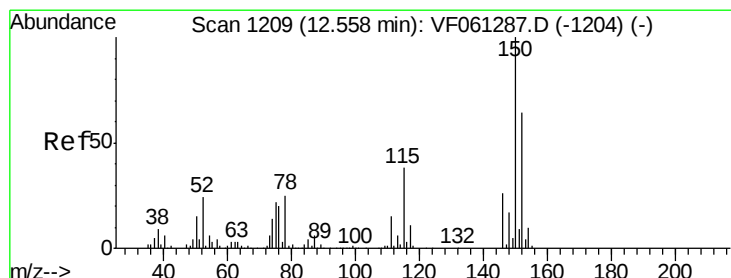
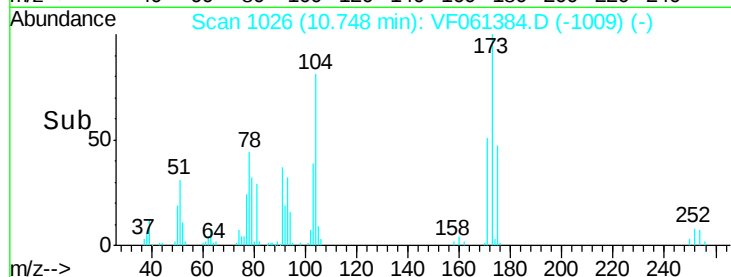
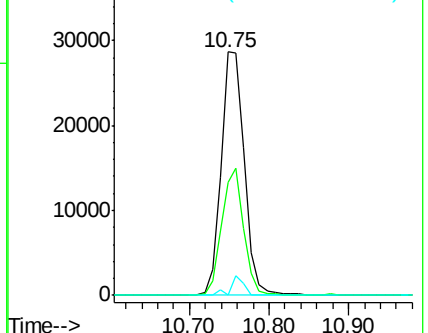
254 0.0 0.0 0.0



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

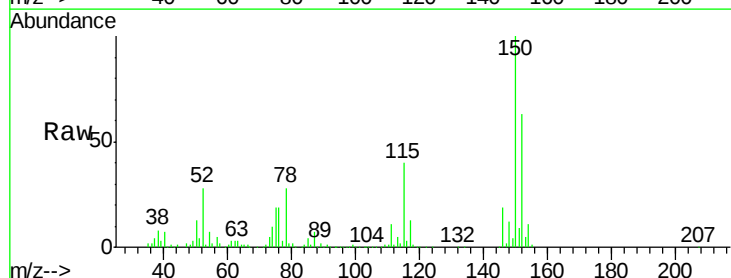
Tgt Ion:152 Resp: 140396

Ion Ratio Lower Upper

152 100

115 63.7 29.6 88.9

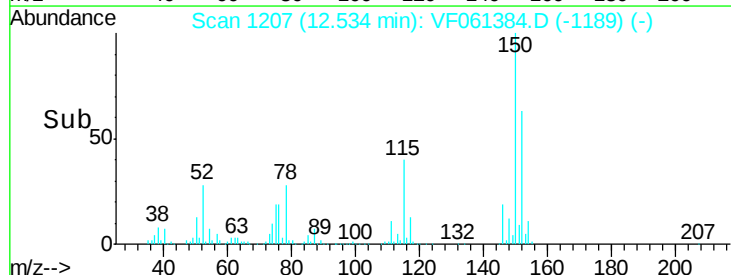
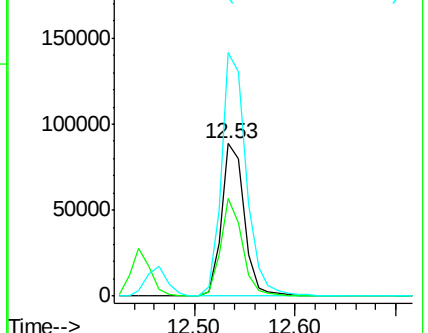
150 159.7 0.0 315.4

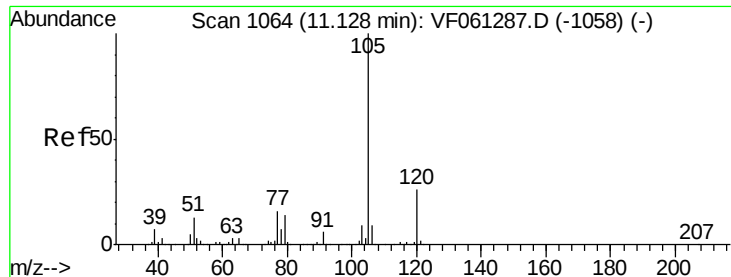


Abundance Ion 152.00 (151.70 to 152.70): V

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 :

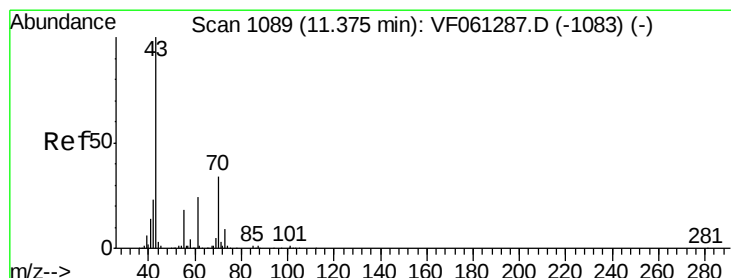
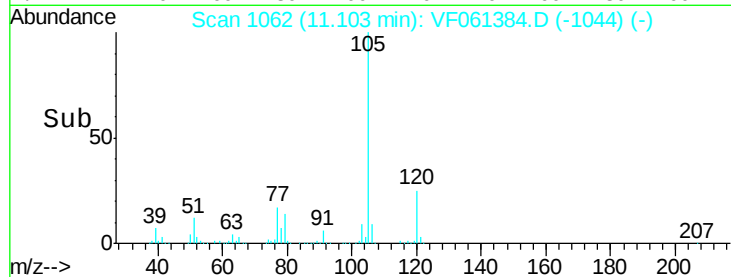
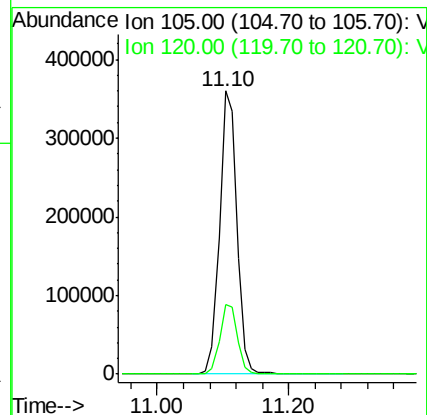
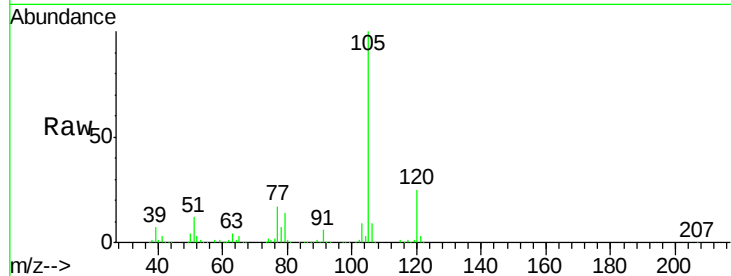
VSTDCCC050

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

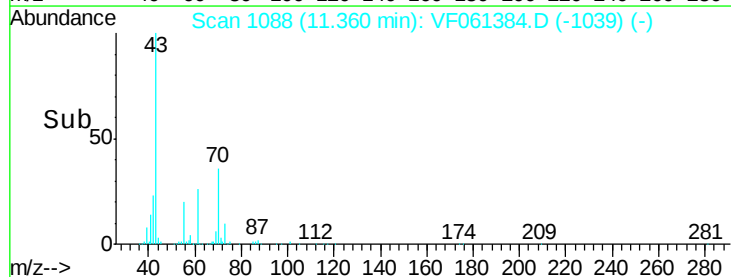
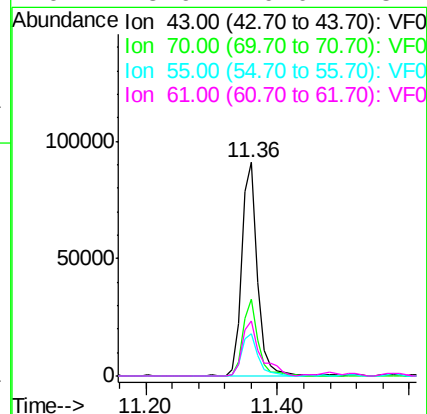
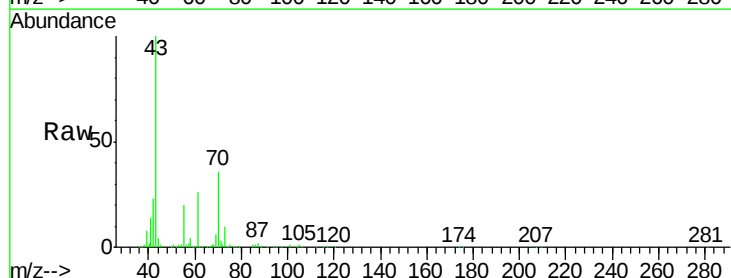
Ion Ratio Lower Upper

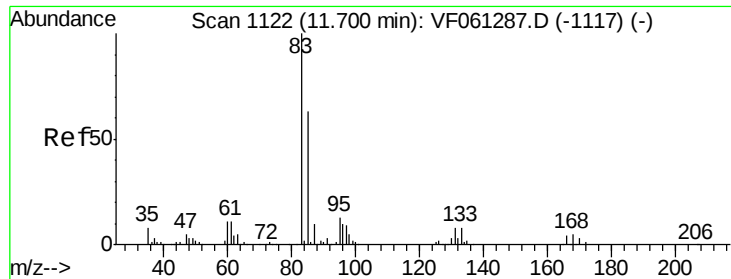
43 100

70 36.0 27.4 41.0

55 19.8 14.7 22.1

61 25.9 19.0 28.4

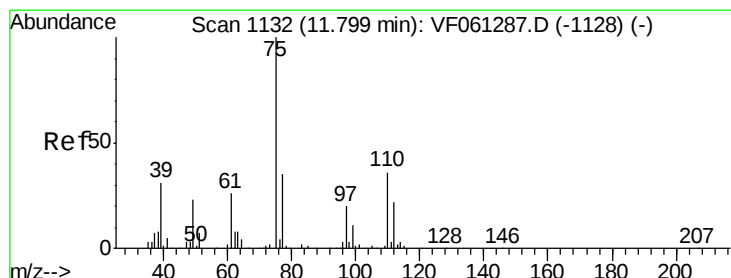
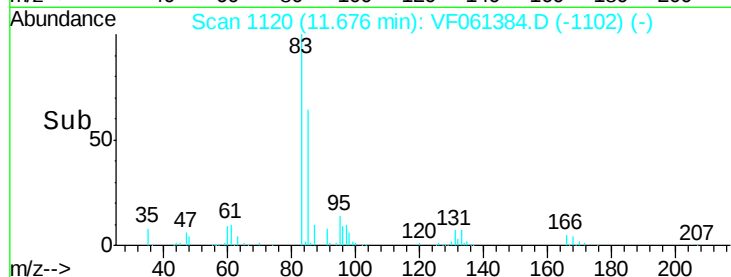
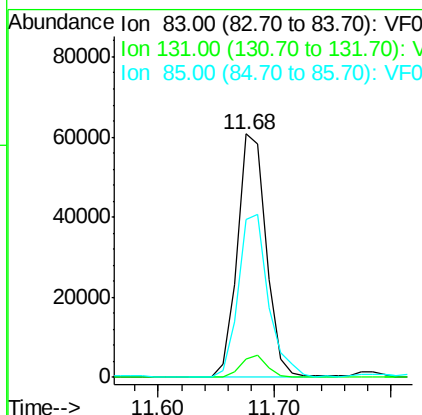
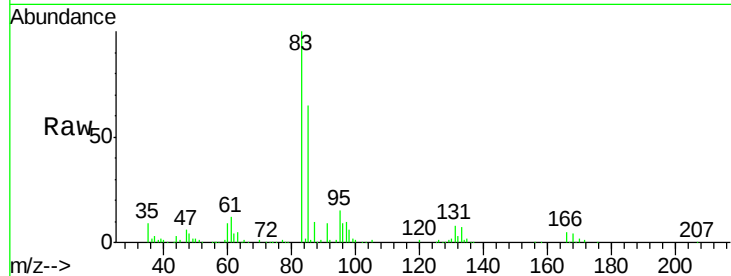




#75
 1,1,2,2-Tetrachloroethane
 Concen: 53.532 ug/l
 RT: 11.68 min Scan# 1120
 Delta R.T. -0.02 min
 Lab File: VF061384.D
 Acq: 14 Jan 2019 12:25

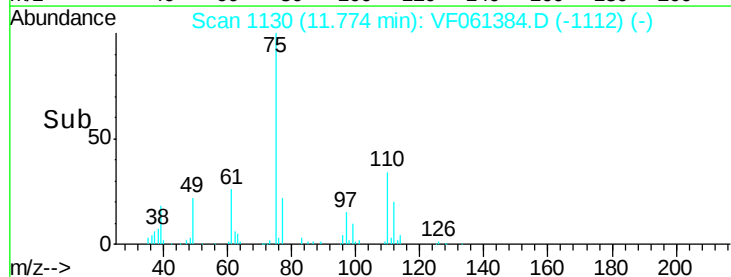
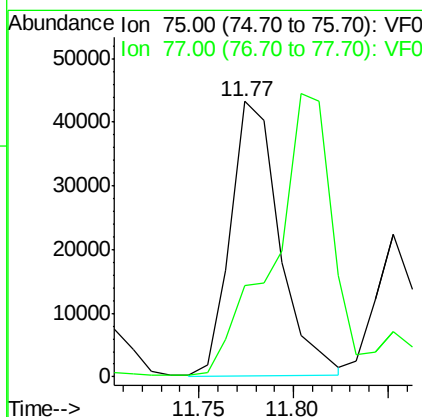
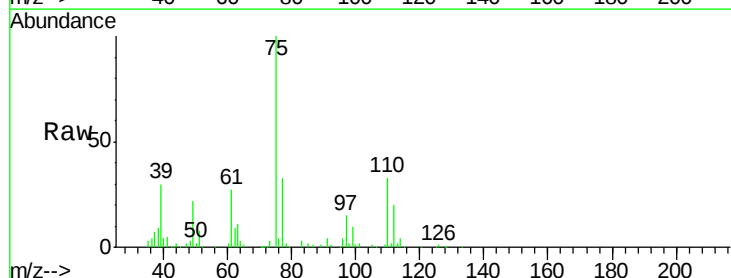
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

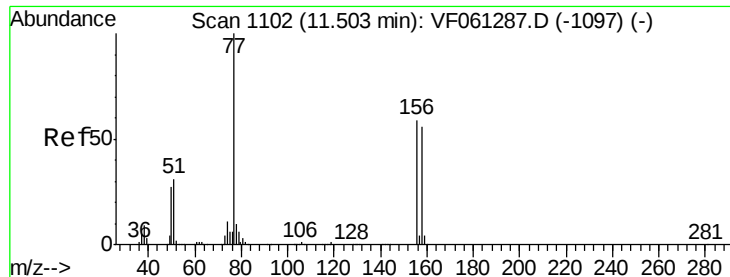
Tot Ion	83	Resp	104859
Ion Ratio	Lower	Upper	
83	100		
131	7.6	3.9	11.7
85	64.6	31.6	94.7



#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 :

VSTDCCC050

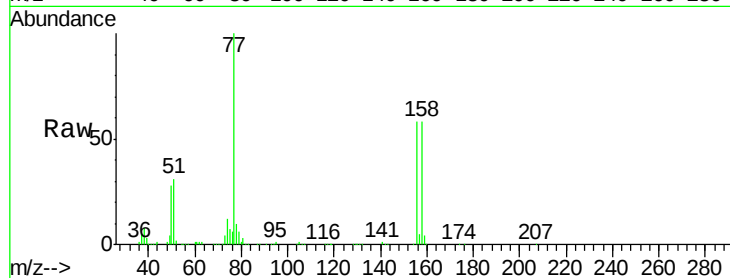
Tot Ion:156 Resp: 131486

Ion Ratio Lower Upper

156 100

77 173.5 84.3 252.9

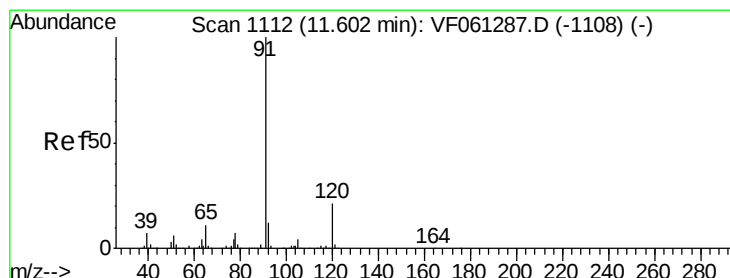
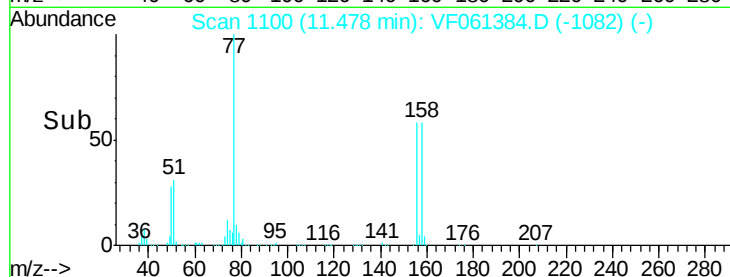
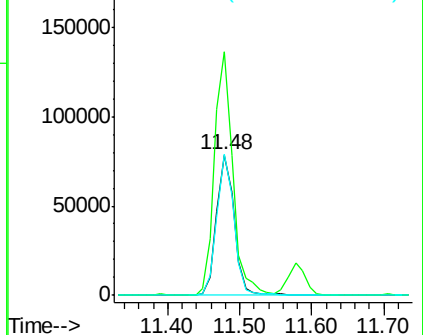
158 101.0 47.1 141.3



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

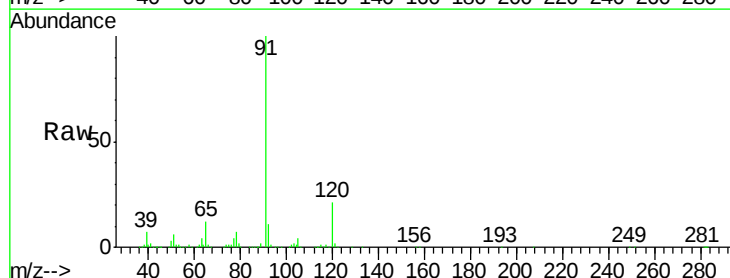
Acq: 14 Jan 2019 12:25

Tgt Ion: 91 Resp: 707317

Ion Ratio Lower Upper

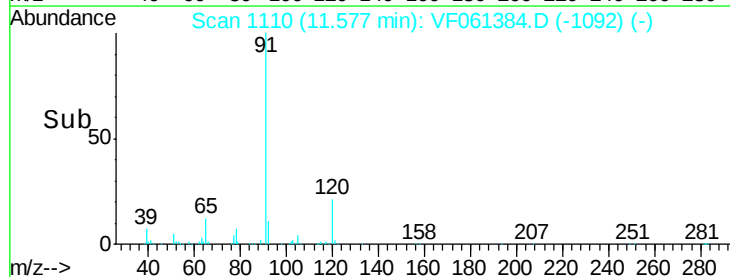
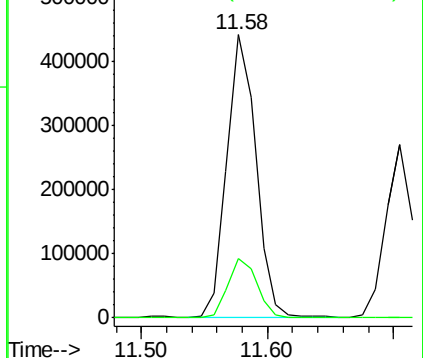
91 100

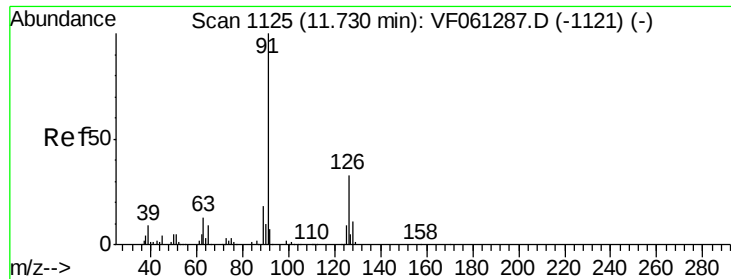
120 20.8 10.7 32.1



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 :

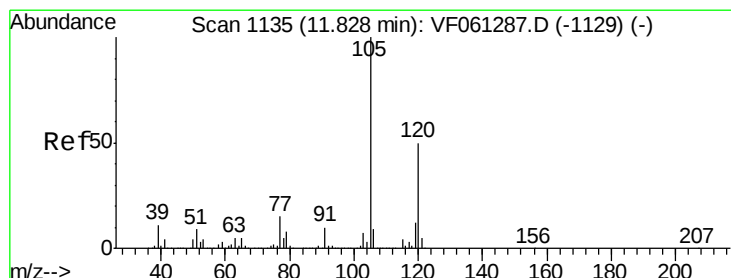
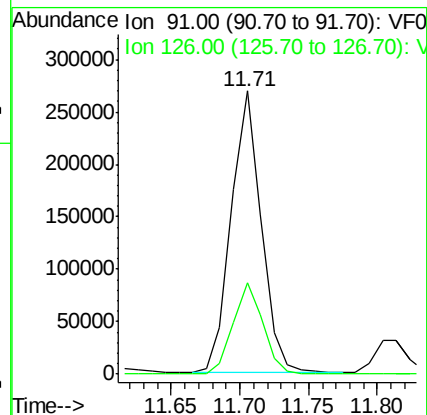
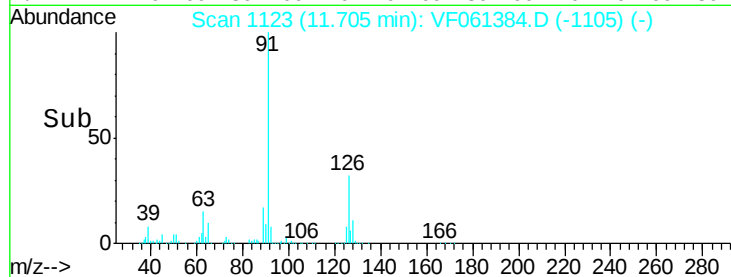
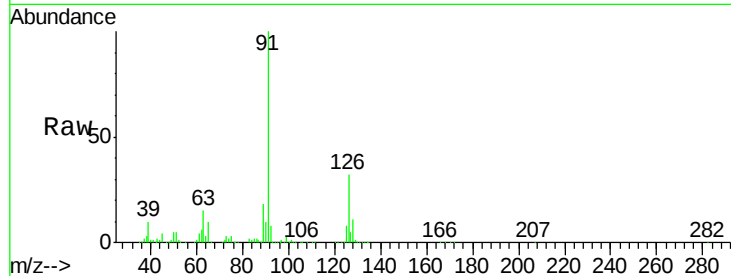
VSTDCCC050

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

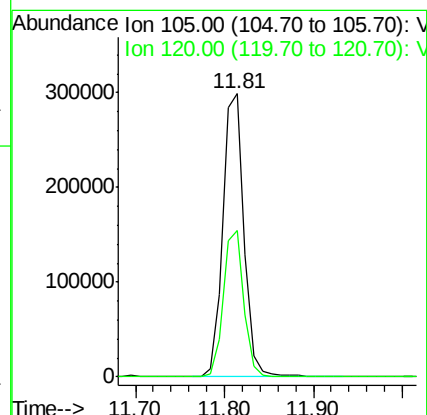
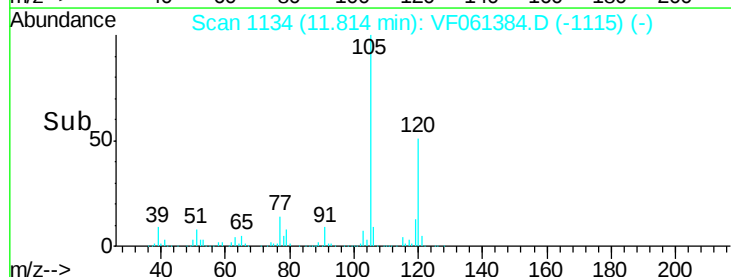
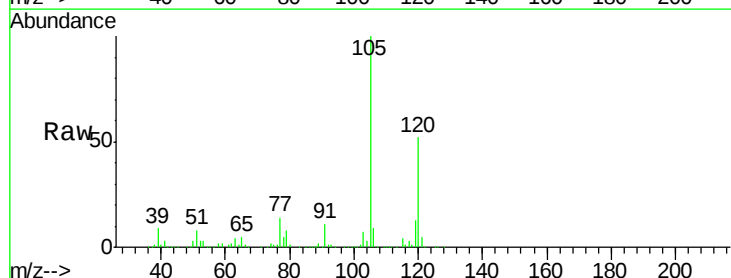
Acq: 14 Jan 2019 12:25

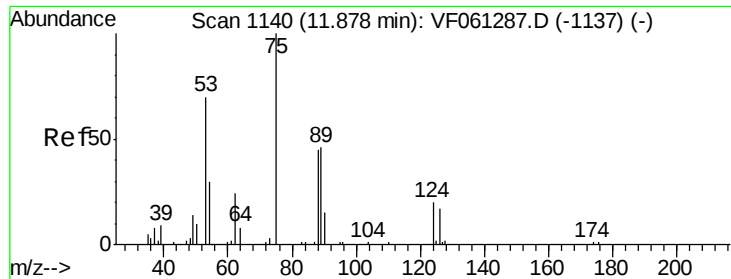
Tgt Ion: 105 Resp: 501098

Ion Ratio Lower Upper

105 100

120 51.7 25.2 75.6





#81

trans-1,4-Dichloro-2-butene

Concen: 55.384 ug/l m

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 :

VSTDCCC050

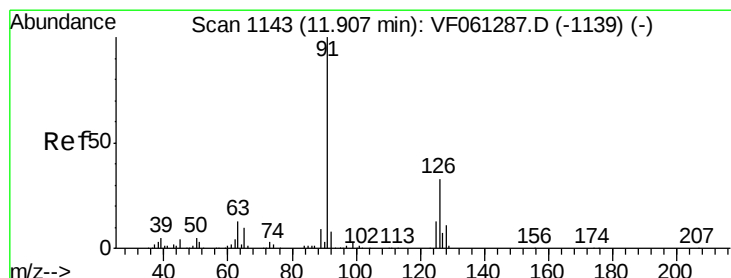
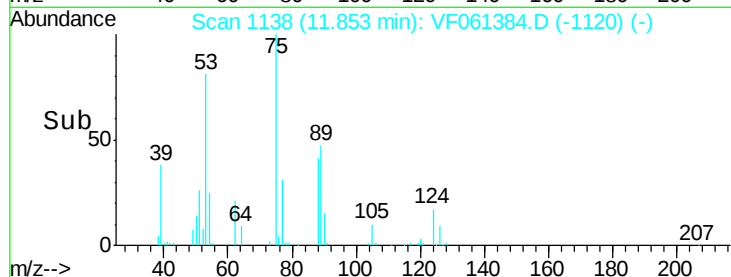
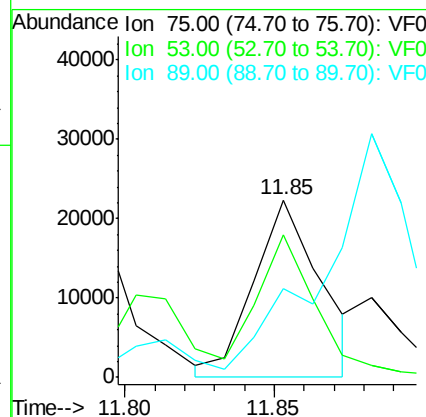
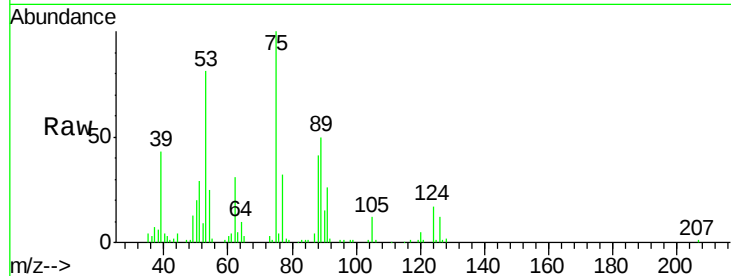
Tot Ion: 75 Resp: 34771

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

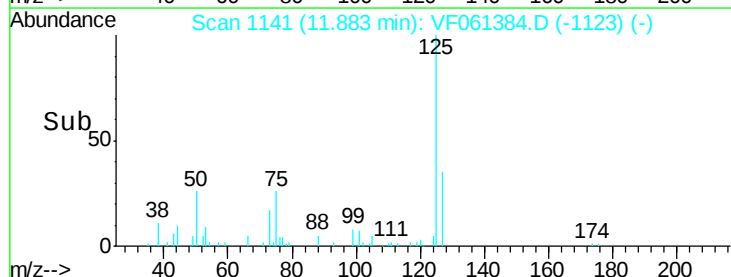
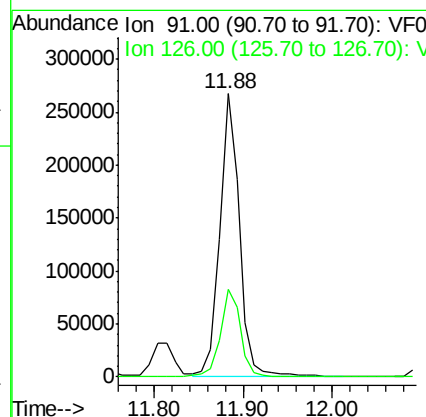
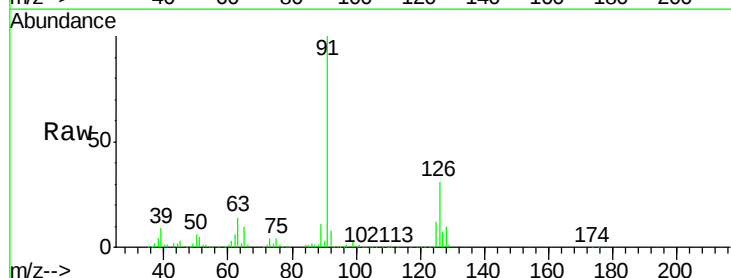
Acq: 14 Jan 2019 12:25

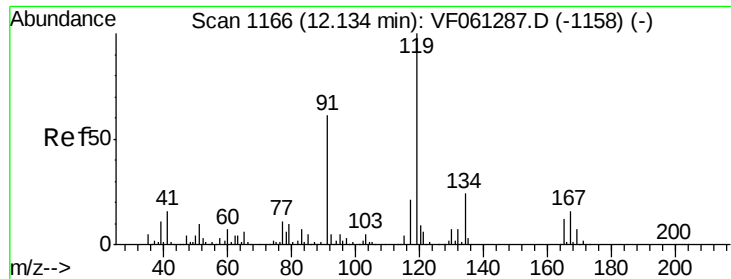
Tgt Ion: 91 Resp: 407144

Ion Ratio Lower Upper

91 100

126 31.1 16.4 49.4

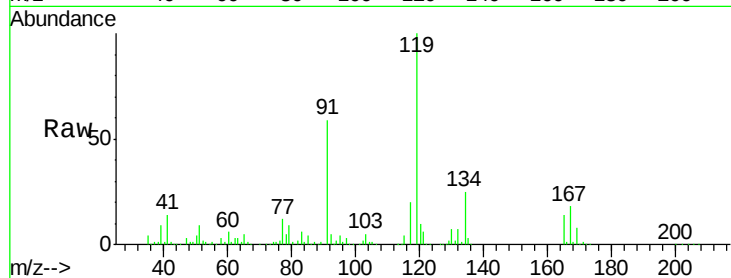




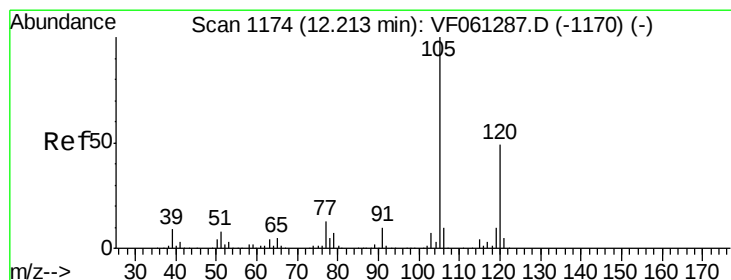
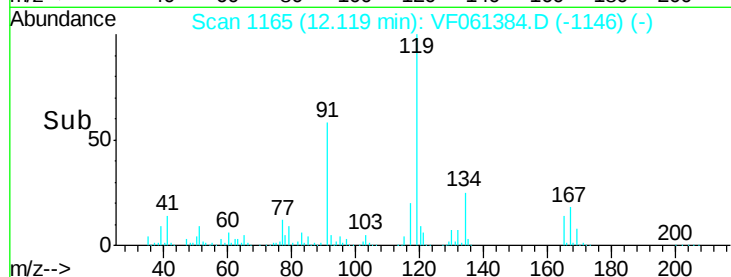
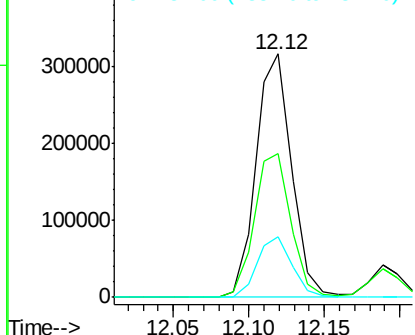
#83
tert-Butylbenzene
Concen: 53.183 ug/l
RT: 12.12 min Scan# 1165
Delta R.T. -0.01 min
Lab File: VF061384.D
Acq: 14 Jan 2019 12:25

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

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

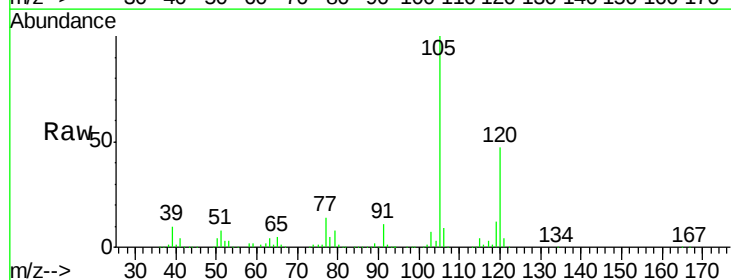


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

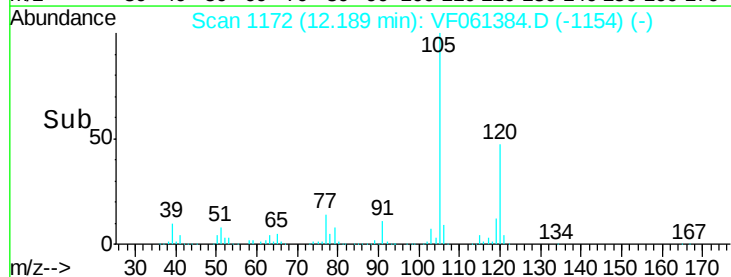
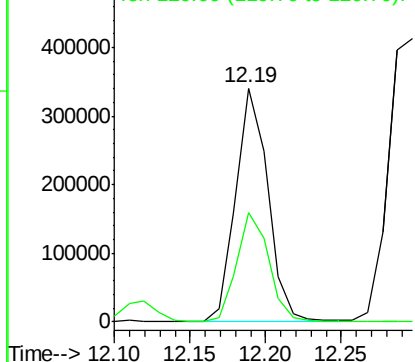


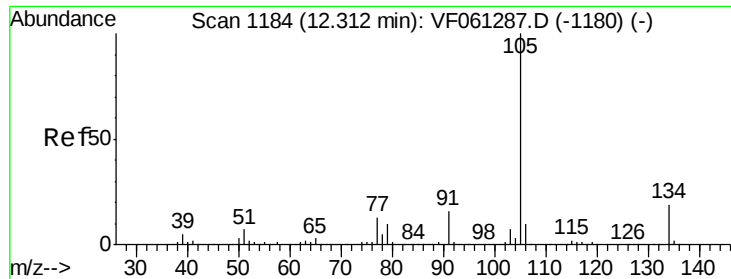
#84
1,2,4-Trimethylbenzene
Concen: 51.644 ug/l
RT: 12.19 min Scan# 1172
Delta R.T. -0.02 min
Lab File: VF061384.D
Acq: 14 Jan 2019 12:25

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

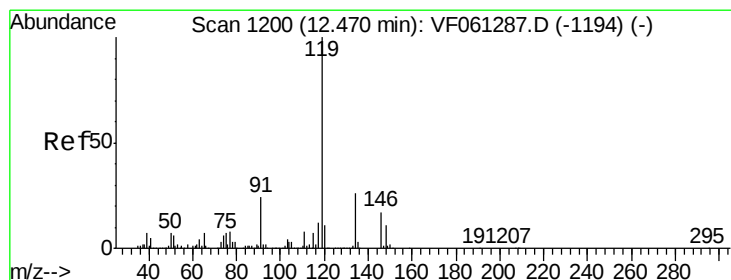
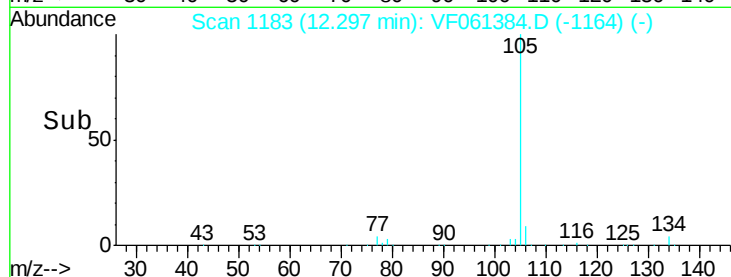
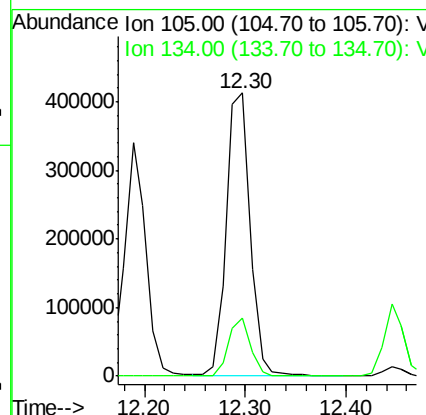
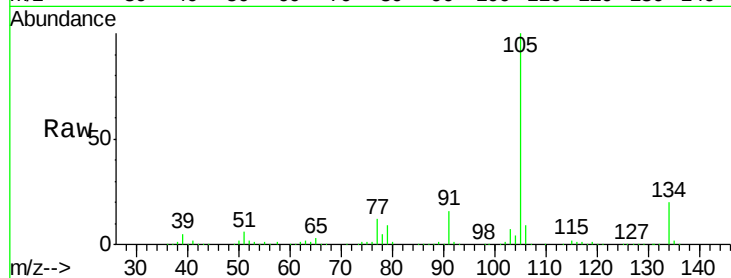




#85
 sec-Butylbenzene
 Concen: 48.703 ug/l
 RT: 12.30 min Scan# 1183
 Delta R.T. -0.01 min
 Lab File: VF061384.D
 Acq: 14 Jan 2019 12:25

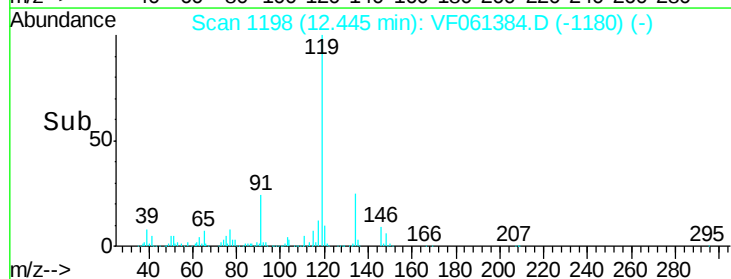
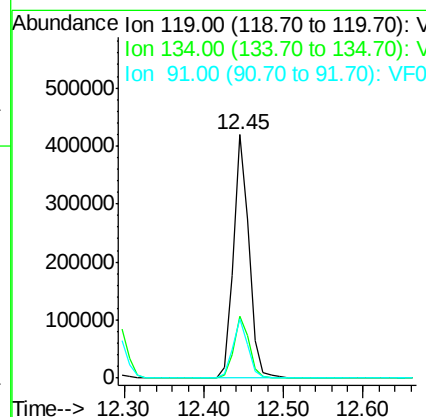
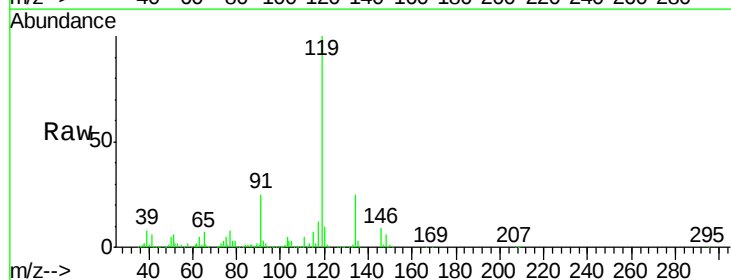
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

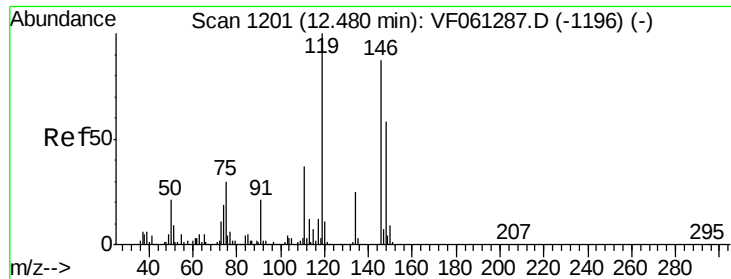
Tot Ion:105 Resp: 679174
 Ion Ratio Lower Upper
 105 100
 134 20.4 9.7 28.9



#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

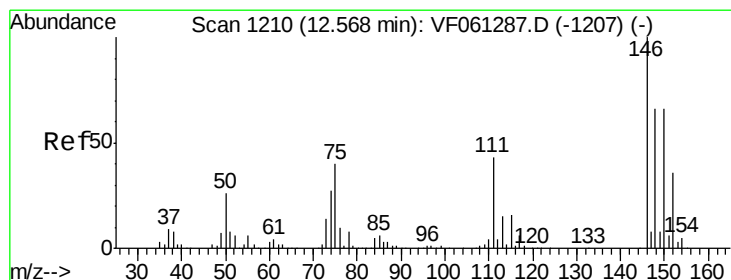
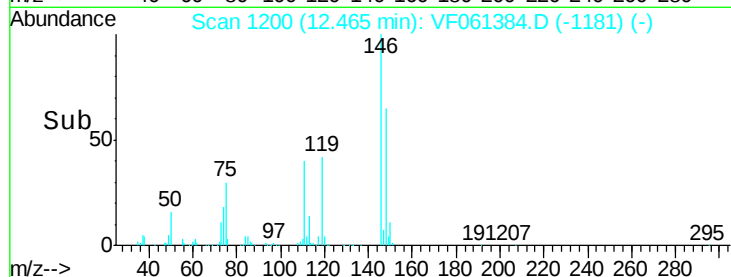
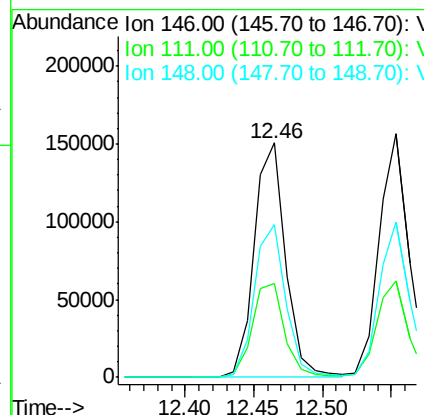
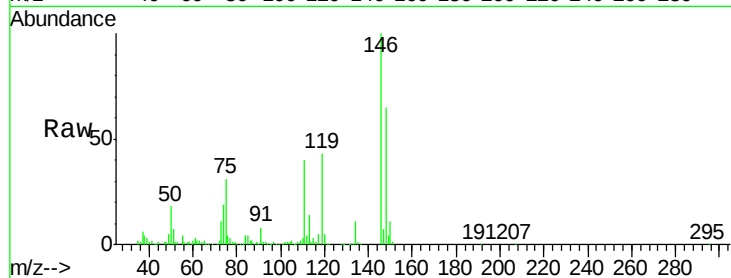




#87
 1,3-Dichlorobenzene
 Concen: 50.225 ug/l
 RT: 12.46 min Scan# 1200
 Delta R.T. -0.01 min
 Lab File: VF061384.D
 Acq: 14 Jan 2019 12:25

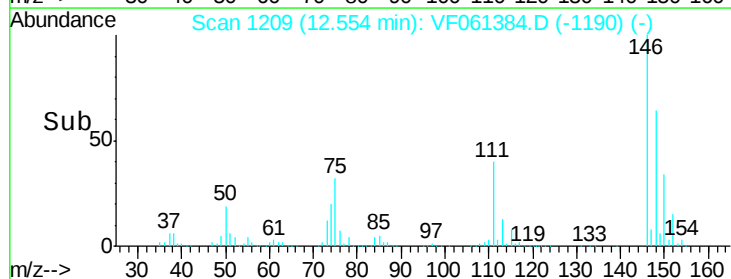
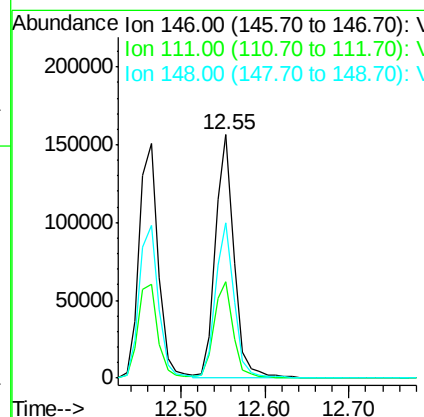
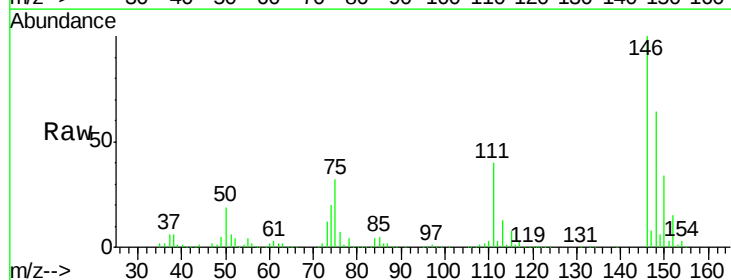
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

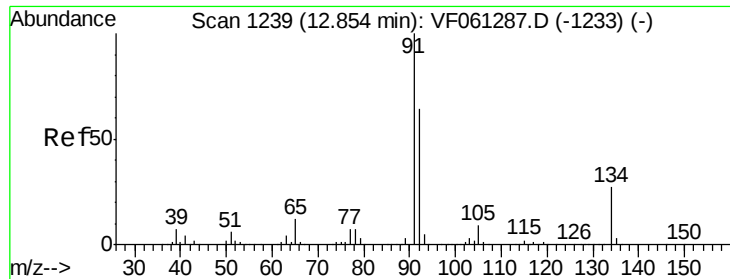
Tot Ion:146 Resp: 241066
 Ion Ratio Lower Upper
 146 100
 111 40.1 21.1 63.3
 148 65.1 33.1 99.5



#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:146 Resp: 240731
 Ion Ratio Lower Upper
 146 100
 111 39.8 21.4 64.2
 148 63.6 33.0 98.9

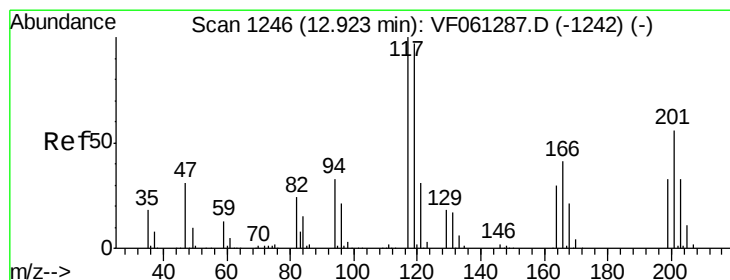
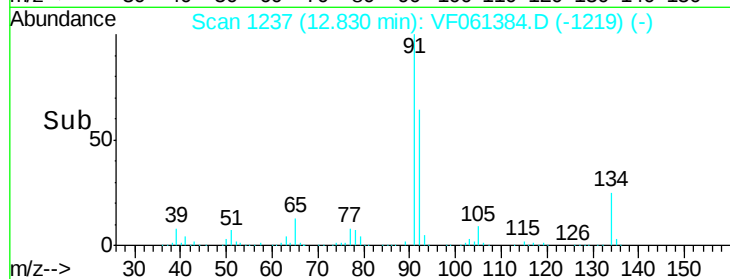
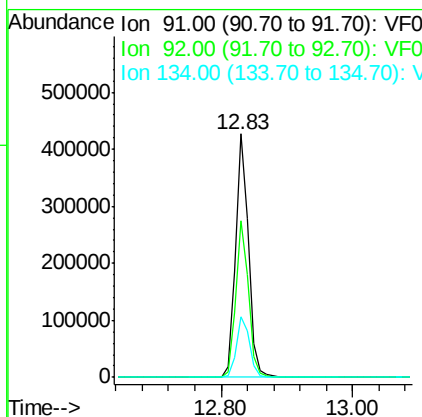
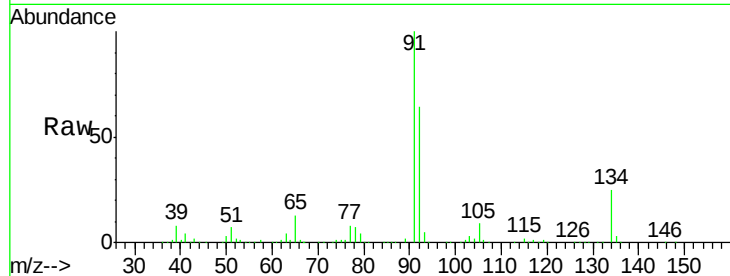




#89
n-Butylbenzene
Concen: 50.597 ug/l
RT: 12.83 min Scan# 1237
Delta R.T. -0.02 min
Lab File: VF061384.D
Acq: 14 Jan 2019 12:25

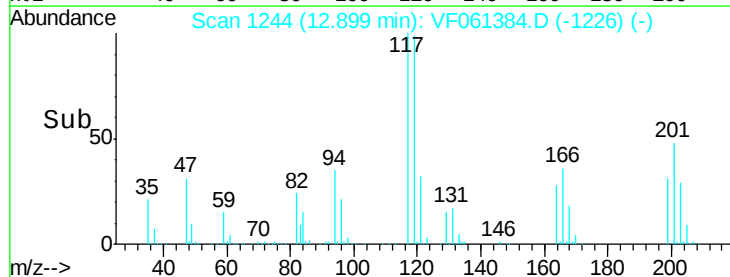
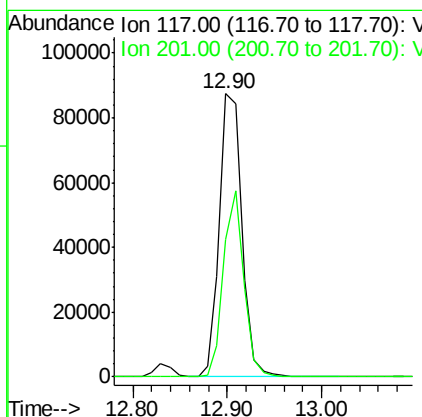
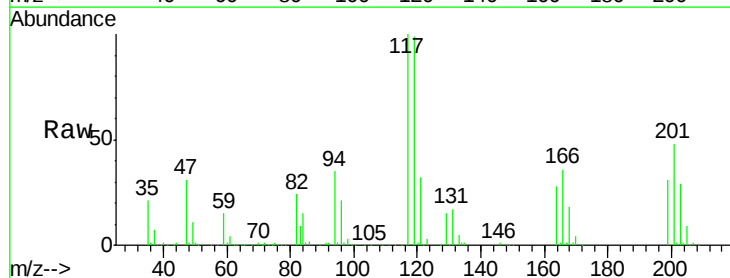
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

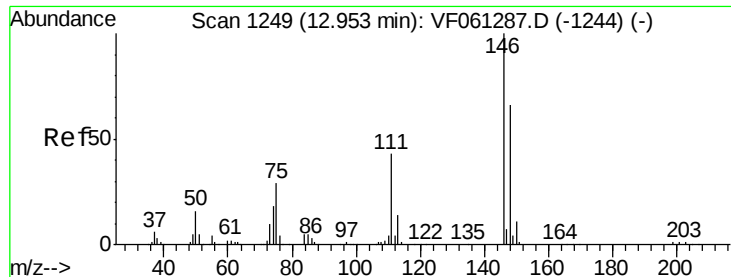
Tot Ion: 91 Resp: 589671
Ion Ratio Lower Upper
91 100
92 64.1 32.1 96.3
134 24.7 13.4 40.1



#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

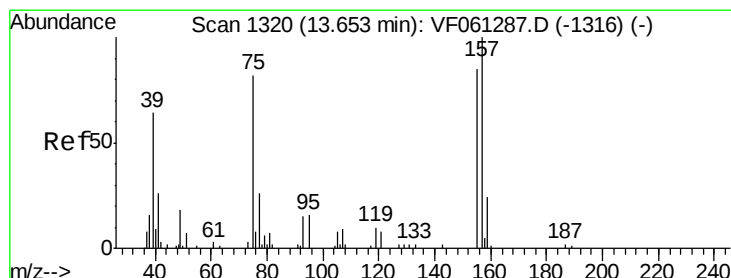
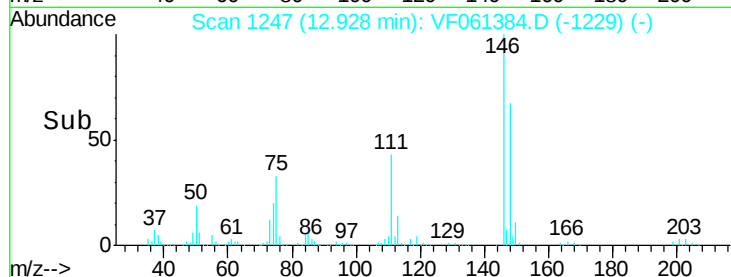
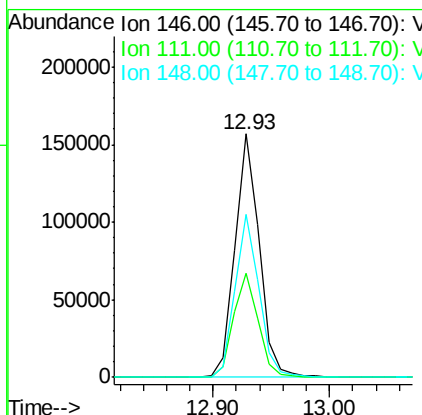
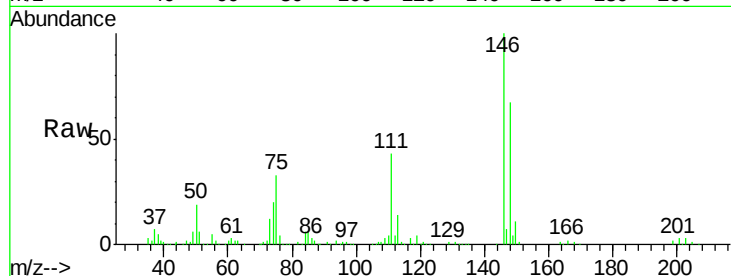




#91
 1,2-Dichlorobenzene
 Concen: 49.670 ug/l
 RT: 12.93 min Scan# 1247
 Delta R.T. -0.02 min
 Lab File: VF061384.D
 Acq: 14 Jan 2019 12:25

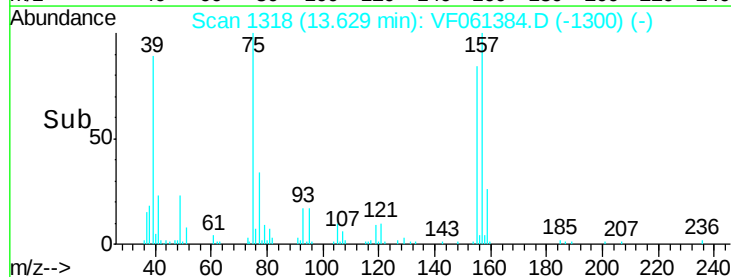
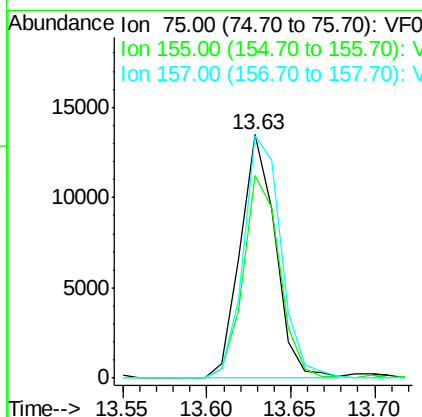
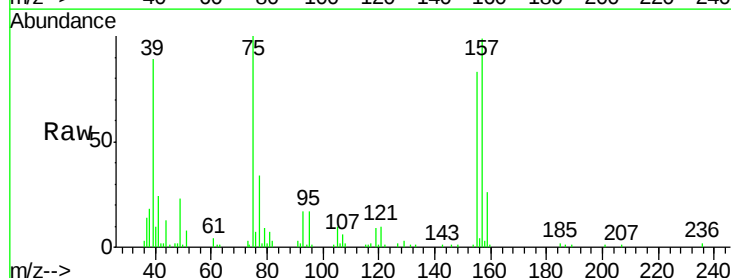
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

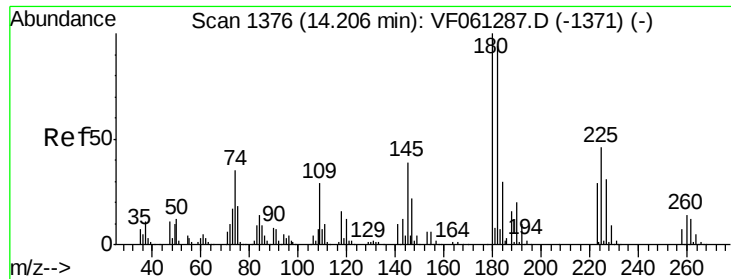
Tot Ion:146 Resp: 227550
 Ion Ratio Lower Upper
 146 100
 111 42.5 21.4 64.3
 148 66.8 33.1 99.2



#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: 75 Resp: 19532
 Ion Ratio Lower Upper
 75 100
 155 83.2 51.3 154.0
 157 99.5 60.7 182.0

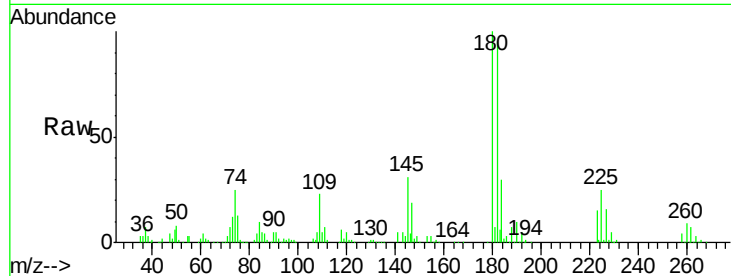




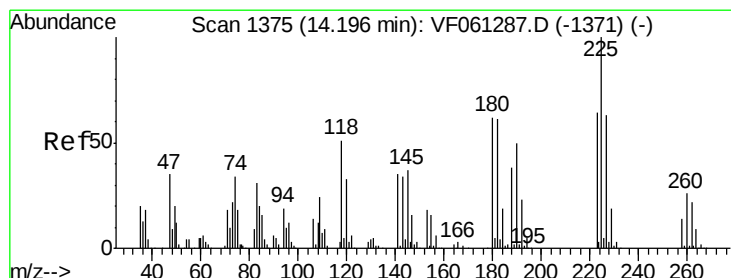
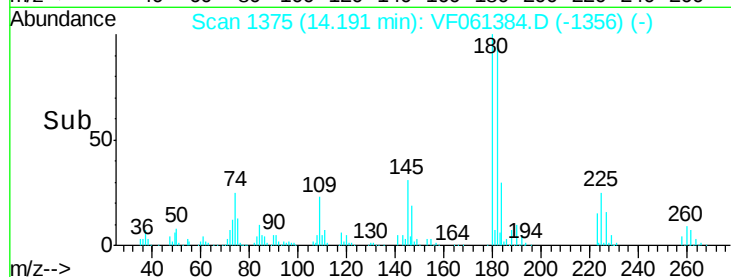
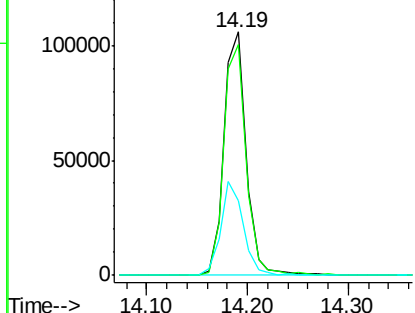
#93
 1,2,4-Trichlorobenzene
 Concen: 51.880 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. -0.01 min
 Lab File: VF061384.D
 Acq: 14 Jan 2019 12:25

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

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

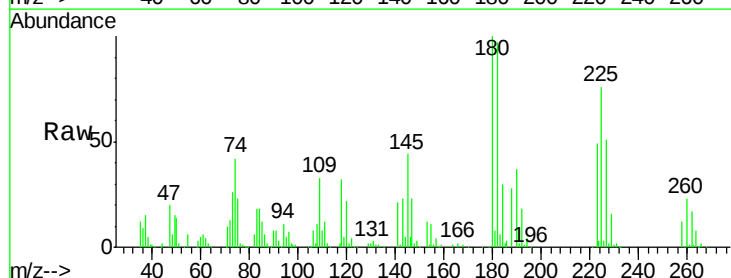


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

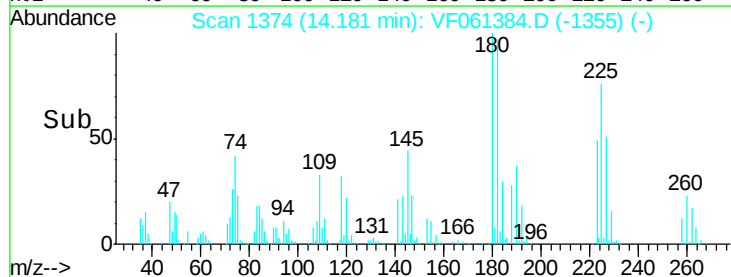
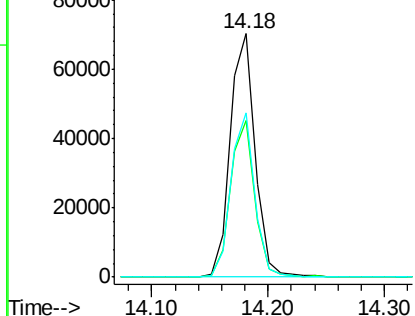


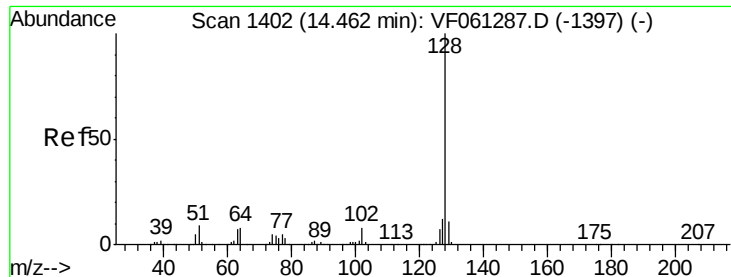
#94
 Hexachlorobutadiene
 Concen: 51.375 ug/l
 RT: 14.18 min Scan# 1374
 Delta R.T. -0.01 min
 Lab File: VF061384.D
 Acq: 14 Jan 2019 12:25

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 :

VSTDCCC050

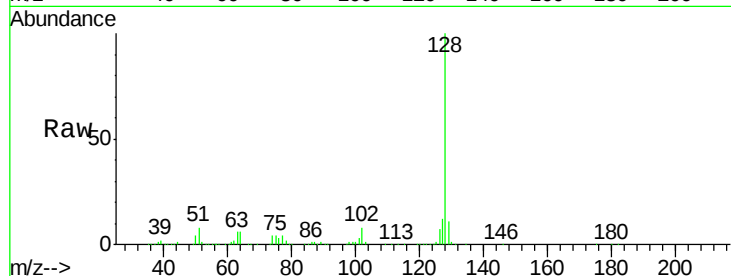
Tot Ion:128 Resp: 323107

Ion Ratio Lower Upper

128 100

127 11.8 9.4 14.0

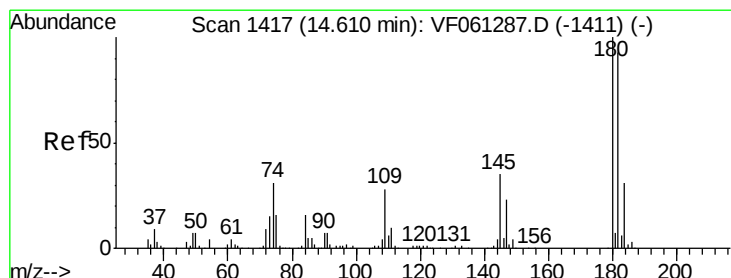
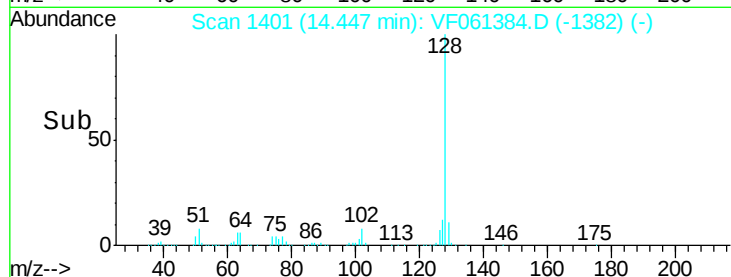
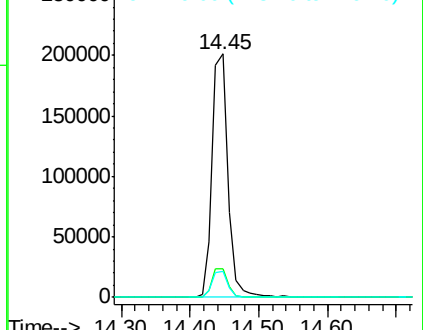
129 10.6 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 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

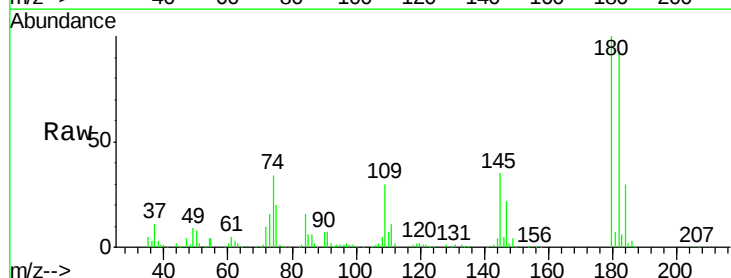
Tgt Ion:180 Resp: 154345

Ion Ratio Lower Upper

180 100

182 93.4 46.5 139.3

145 35.1 17.5 52.6



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

