

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF021119\
 Data File : VF061581.D
 Acq On : 11 Feb 2019 12:36
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Quant Time: Feb 12 03:34:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 04:51:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.85	168	174886	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.58	114	296370	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.76	117	278745	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.54	152	133922	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.83	65	112519	52.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.22%	
35) Dibromofluoromethane	4.10	113	122454	52.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.72%	
50) Toluene-d8	7.53	98	347211	54.19	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	108.38%	
62) 4-Bromofluorobenzene	11.40	95	154787	51.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.95	85	153874	44.780	ug/l	87
3) Chloromethane	1.09	50	110232	43.750	ug/l	98
4) Vinyl Chloride	1.14	62	104124	46.457	ug/l	95
5) Bromomethane	1.34	94	74774	51.161	ug/l	96
6) Chloroethane	1.38	64	51840	52.198	ug/l	97
7) Trichlorofluoromethane	1.48	101	202858	46.557	ug/l	100
8) Diethyl Ether	1.62	74	30277	54.230	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	1.82	101	99658	47.601	ug/l	93
10) Methyl Iodide	1.89	142	156992m	48.369	ug/l	
11) Tert butyl alcohol	2.55	59	22824	249.730	ug/l	96
12) 1,1-Dichloroethene	1.78	96	79856	51.340	ug/l	90
13) Acrolein	1.99	56	21500	272.157	ug/l	92
14) Allyl chloride	2.09	41	133077	74.429	ug/l	93
15) Acrylonitrile	2.93	53	60244	257.335	ug/l	96
16) Acetone	2.22	43	124709	287.906	ug/l	99
17) Carbon Disulfide	1.82	76	224224	46.232	ug/l	99
18) Methyl Acetate	2.33	43	50025	58.235	ug/l	98
19) Methyl tert-butyl Ether	2.42	73	175155	50.233	ug/l	100
20) Methylene Chloride	2.18	84	75905m	51.682	ug/l	
21) trans-1,2-Dichloroethene	2.30	96	82190	48.027	ug/l	97
22) Diisopropyl ether	2.79	45	283372	51.194	ug/l	99
23) Vinyl Acetate	3.17	43	654206	268.465	ug/l	98
24) 1,1-Dichloroethane	2.86	63	171540	49.377	ug/l	96
25) 2-Butanone	4.32	43	183694	255.015	ug/l	99
26) 2,2-Dichloropropane	3.59	77	100045	46.872	ug/l	99
27) cis-1,2-Dichloroethene	3.46	96	124191	49.161	ug/l	96
28) Bromochloromethane	3.70	49	73009	46.752	ug/l #	97
29) Tetrahydrofuran	4.05	42	73705	237.630	ug/l	95
30) Chloroform	3.84	83	227422	48.506	ug/l	98
31) Cyclohexane	3.67	56	147171	42.409	ug/l	97
32) 1,1,1-Trichloroethane	4.08	97	169289	49.244	ug/l	95
36) 1,1-Dichloropropene	4.26	75	172736	50.269	ug/l	96
37) Ethyl Acetate	4.09	43	67162	48.895	ug/l #	99
38) Carbon Tetrachloride	3.97	117	161518	53.766	ug/l	95

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.43	83	157944	42.413	ug/l	91
40) Benzene	4.61	78	364986	47.734	ug/l	99
41) Methacrylonitrile	4.73	41	34658	47.419	ug/l	93
42) 1,2-Dichloroethane	4.93	62	140023	51.390	ug/l	94
43) Isopropyl Acetate	6.94	43	85473	49.580	ug/l #	99
44) Trichloroethene	5.48	130	113853	48.539	ug/l	100
45) 1,2-Dichloropropane	6.21	63	97549	48.609	ug/l	97
46) Dibromomethane	6.06	93	64322	48.203	ug/l	87
47) Bromodichloromethane	6.37	83	176870	53.572	ug/l	99
48) Methyl methacrylate	6.69	41	56459	48.771	ug/l	96
49) 1,4-Dioxane	6.69	88	7980	986.600	ug/l #	82
51) 4-Methyl-2-Pentanone	8.24	43	299077	235.982	ug/l	100
52) Toluene	7.61	92	230070	45.691	ug/l	98
53) t-1,3-Dichloropropene	8.26	75	133551	50.942	ug/l	94
54) cis-1,3-Dichloropropene	7.28	75	165931	50.636	ug/l	96
55) 1,1,2-Trichloroethane	8.47	97	67015	46.867	ug/l	96
56) Ethyl methacrylate	8.60	69	79742	47.934	ug/l	91
57) 1,3-Dichloropropane	8.83	76	130715	48.772	ug/l	94
58) 2-Chloroethyl Vinyl ether	7.28	63	64152	354.786	ug/l	97
59) 2-Hexanone	9.47	43	239750	271.283	ug/l	96
60) Dibromochloromethane	8.70	129	106931	51.153	ug/l	97
61) 1,2-Dibromoethane	8.97	107	77400	47.284	ug/l	90
64) Tetrachloroethene	8.13	164	97775	46.644	ug/l	92
65) Chlorobenzene	9.78	112	272873	48.139	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.91	131	116585	51.629	ug/l	98
67) Ethyl Benzene	9.88	91	503914	48.657	ug/l	99
68) m/p-Xylenes	10.12	106	339413	91.119	ug/l	99
69) o-Xylene	10.70	106	188008	46.570	ug/l	98
70) Styrene	10.78	104	268680	48.619	ug/l	98
71) Bromoform	10.76	173	55345	54.549	ug/l #	98
73) Isopropylbenzene	11.11	105	579576	53.211	ug/l	99
74) N-amyl acetate	11.36	43	149413	58.011	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.68	83	97831	50.418	ug/l	99
76) 1,2,3-Trichloropropane	11.78	75	70306	50.425	ug/l	92
77) Bromobenzene	11.48	156	118006	51.300	ug/l	85
78) n-propylbenzene	11.59	91	649358	48.804	ug/l	99
79) 2-Chlorotoluene	11.70	91	380349	50.328	ug/l	97
80) 1,3,5-Trimethylbenzene	11.81	105	456380	51.920	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.85	75	28959m	47.779	ug/l	
82) 4-Chlorotoluene	11.88	91	380731	49.925	ug/l	95
83) tert-Butylbenzene	12.12	119	475095	52.220	ug/l	99
84) 1,2,4-Trimethylbenzene	12.19	105	456172	50.382	ug/l	93
85) sec-Butylbenzene	12.30	105	627850	50.816	ug/l	99
86) p-Isopropyltoluene	12.44	119	521252	51.394	ug/l	96
87) 1,3-Dichlorobenzene	12.46	146	223441	48.728	ug/l	98
88) 1,4-Dichlorobenzene	12.55	146	225876	51.963	ug/l	97
89) n-Butylbenzene	12.83	91	542054	51.822	ug/l	95
90) Hexachloroethane	12.91	117	125828	52.630	ug/l	97
91) 1,2-Dichlorobenzene	12.93	146	208246	48.394	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	13.63	75	19086	55.456	ug/l	68

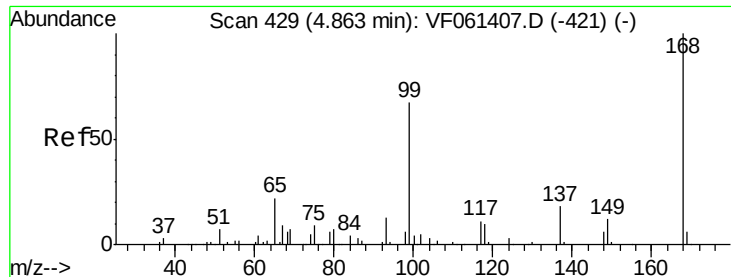
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF021119\
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Quant Title : SW846 8260
QLast Update : Wed Jan 16 04:51:59 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	157239	52.161	ug/l	99
94) Hexachlorobutadiene	14.18	225	102333	54.708	ug/l	98
95) Naphthalene	14.45	128	303898	53.062	ug/l	98
96) 1,2,3-Trichlorobenzene	14.59	180	146546	52.516	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.85 min Scan# 428

Delta R.T. -0.02 min

Lab File: VF061581.D

Acq: 11 Feb 2019 12:36

Instrument :

MSVOA_F

ClientSampleId :

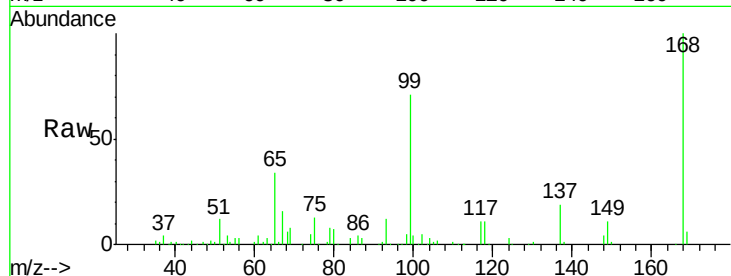
VSTDCCC050

Tot Ion:168 Resp: 174886

Ion Ratio Lower Upper

168 100

99 70.8 53.5 80.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.85

60000

50000

40000

30000

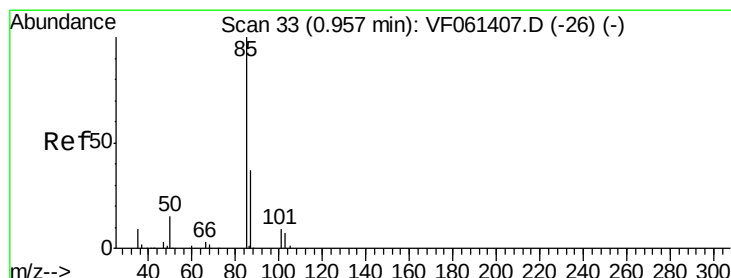
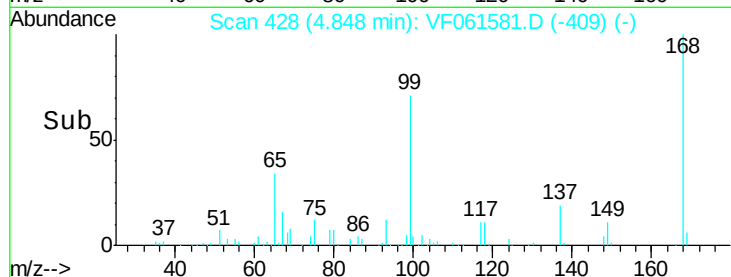
20000

10000

0

4.70 4.80 4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 44.780 ug/l

RT: 0.95 min Scan# 33

Delta R.T. -0.01 min

Lab File: VF061581.D

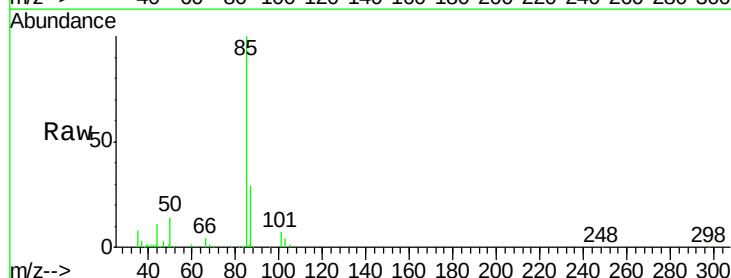
Acq: 11 Feb 2019 12:36

Tgt Ion: 85 Resp: 153874

Ion Ratio Lower Upper

85 100

87 29.1 18.4 55.0



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.95

50000

40000

30000

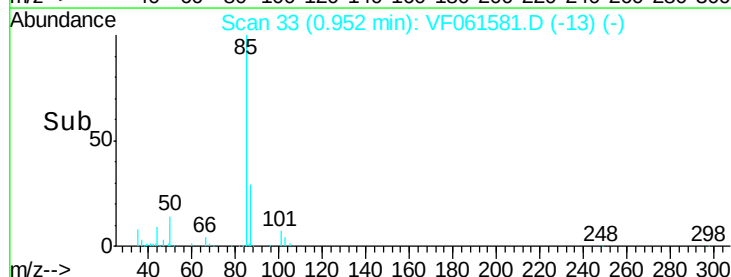
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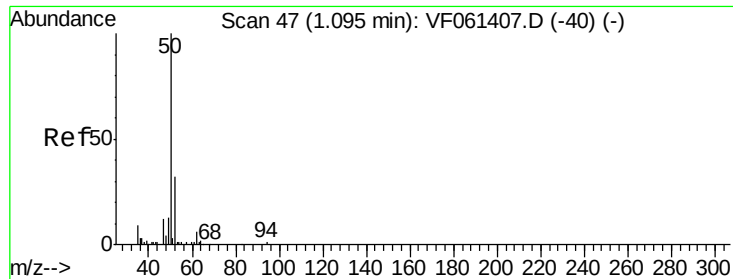
10000

0

0.80 0.90 1.00 1.10

Time-->





#3

Chloromethane

Concen: 43.750 ug/l

RT: 1.09 min Scan# 47

Delta R.T. -0.01 min

Lab File: VF061581.D

Acq: 11 Feb 2019 12:36

Instrument :

MSVOA_F

ClientSampleId :

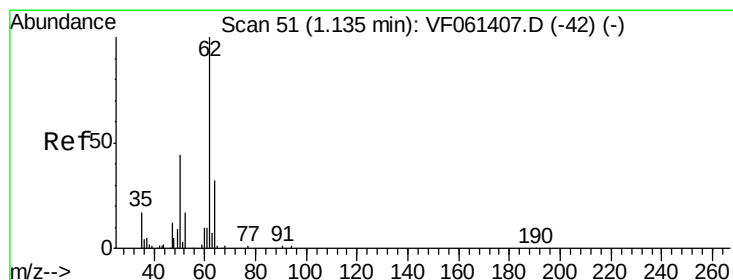
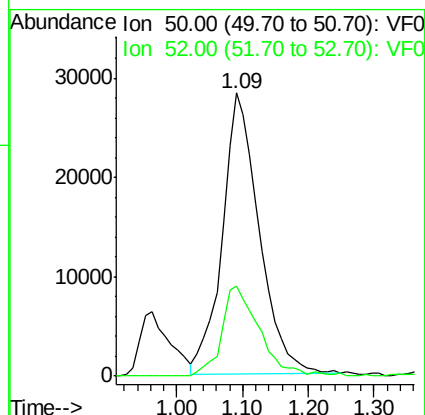
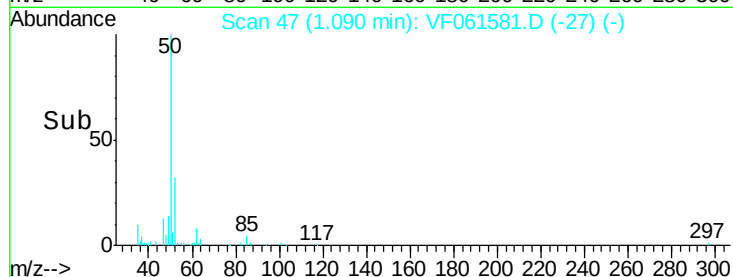
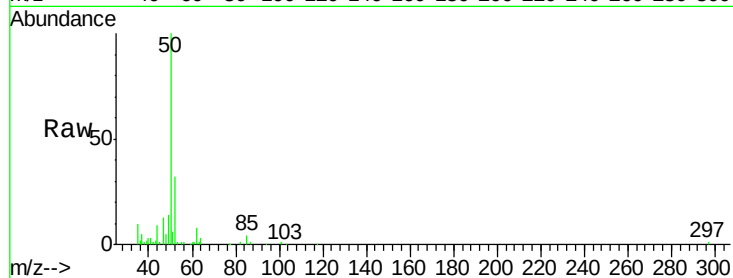
VSTDCCC050

Tot Ion: 50 Resp: 110232

Ion Ratio Lower Upper

50 100

52 31.6 24.6 36.8



#4

Vinyl Chloride

Concen: 46.457 ug/l

RT: 1.14 min Scan# 52

Delta R.T. 0.00 min

Lab File: VF061581.D

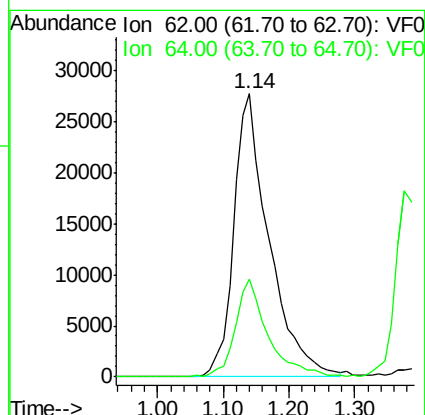
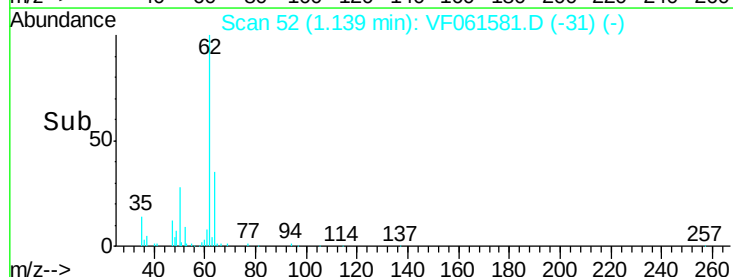
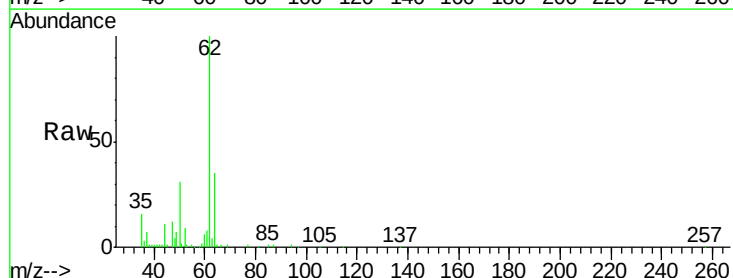
Acq: 11 Feb 2019 12:36

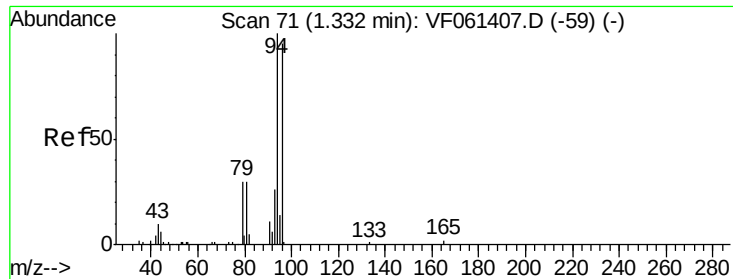
Tgt Ion: 62 Resp: 104124

Ion Ratio Lower Upper

62 100

64 34.5 25.6 38.4





#5

Bromomethane

Concen: 51.161 ug/l

RT: 1.34 min Scan# 72

Delta R.T. 0.00 min

Lab File: VF061581.D

Acq: 11 Feb 2019 12:36

Instrument :

MSVOA_F

ClientSampleId :

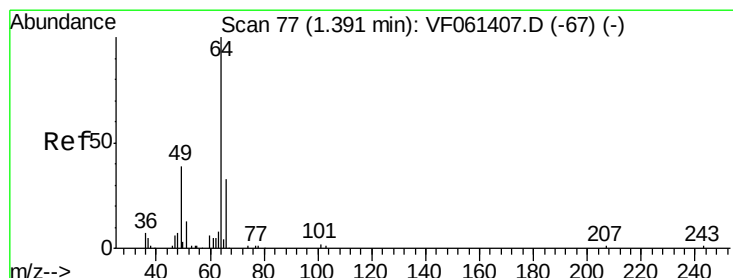
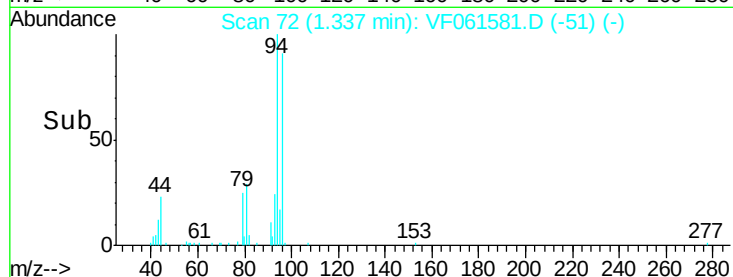
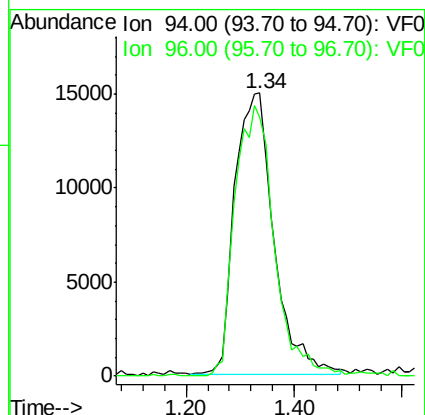
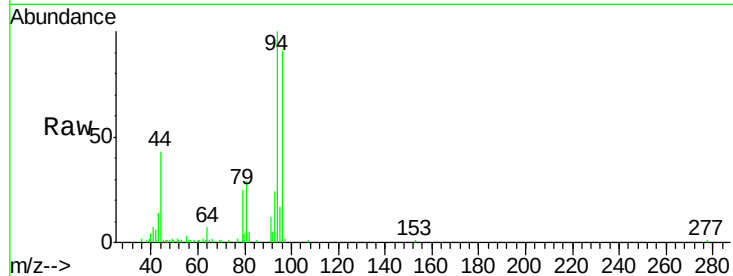
VSTDCCC050

Tot Ion: 94 Resp: 74774

Ion Ratio Lower Upper

94 100

96 91.3 76.0 114.0



#6

Chloroethane

Concen: 52.198 ug/l

RT: 1.38 min Scan# 76

Delta R.T. -0.01 min

Lab File: VF061581.D

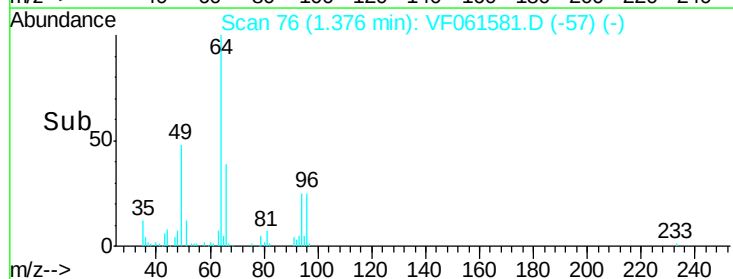
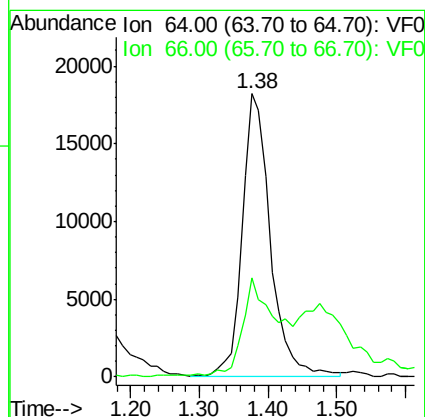
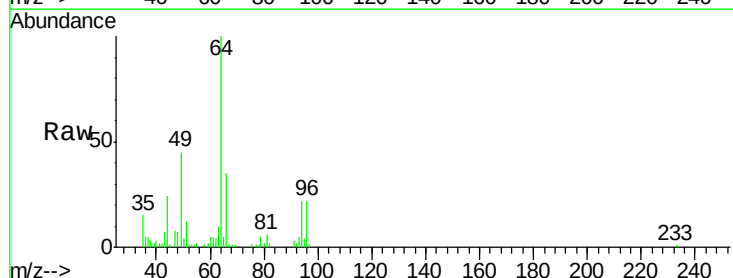
Acq: 11 Feb 2019 12:36

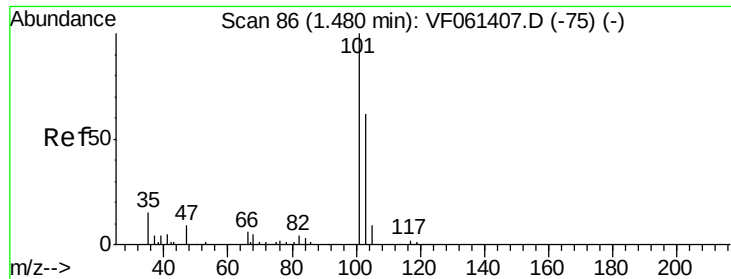
Tgt Ion: 64 Resp: 51840

Ion Ratio Lower Upper

64 100

66 35.2 26.6 40.0



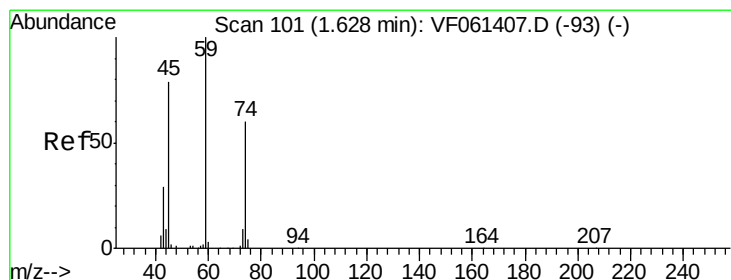
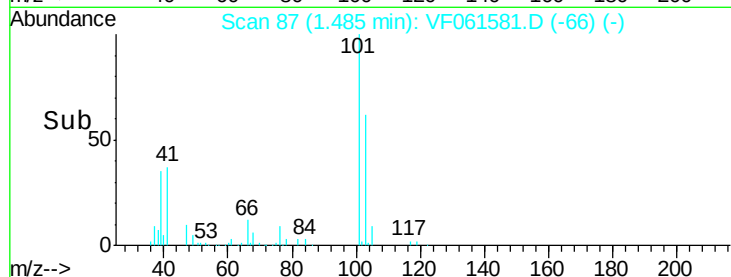
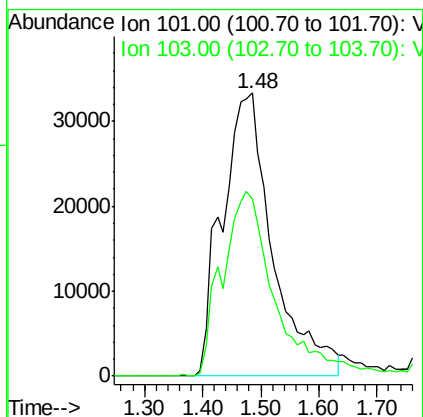
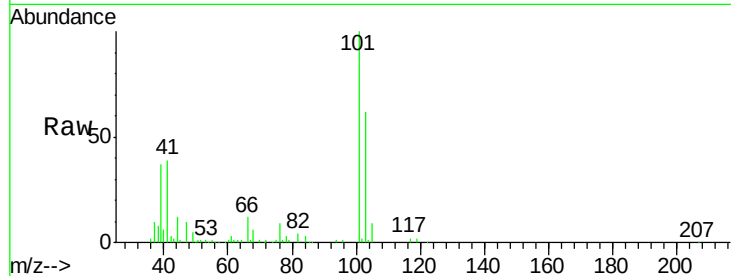


#7

Trichlorofluoromethane
Concen: 46.557 ug/l
RT: 1.48 min Scan# 87
Delta R.T. 0.00 min
Lab File: VF061581.D
Acq: 11 Feb 2019 12:36

Instrument :
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ClientSampleId :
VSTDCCC050

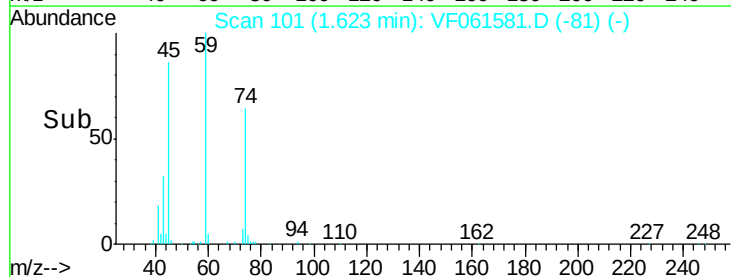
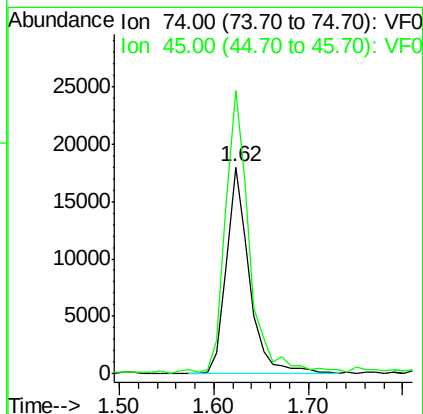
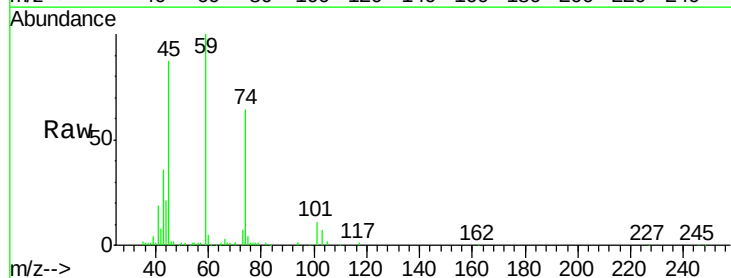
Tot Ion:101 Resp: 202858
Ion Ratio Lower Upper
101 100
103 62.5 49.7 74.5

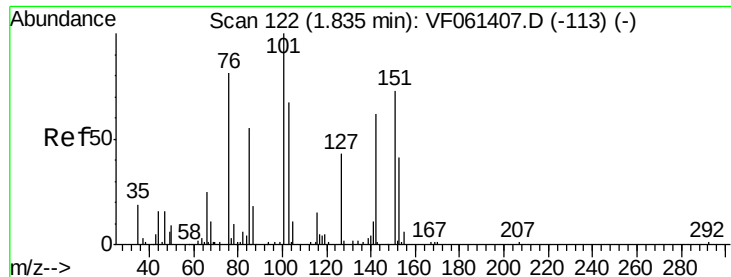


#8

Diethyl Ether
Concen: 54.230 ug/l
RT: 1.62 min Scan# 101
Delta R.T. -0.01 min
Lab File: VF061581.D
Acq: 11 Feb 2019 12:36

Tgt Ion: 74 Resp: 30277
Ion Ratio Lower Upper
74 100
45 136.7 65.8 197.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.601 ug/l

RT: 1.82 min Scan# 121

Delta R.T. -0.01 min

Lab File: VF061581.D

Acq: 11 Feb 2019 12:36

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

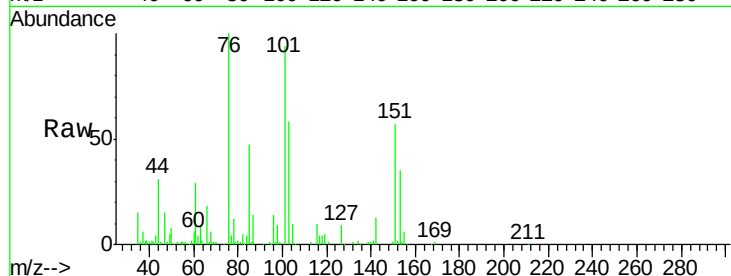
Tot Ion:101 Resp: 99658

Ion Ratio Lower Upper

101 100

85 50.1 41.9 62.9

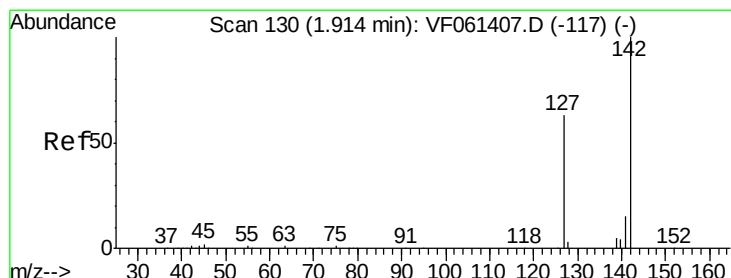
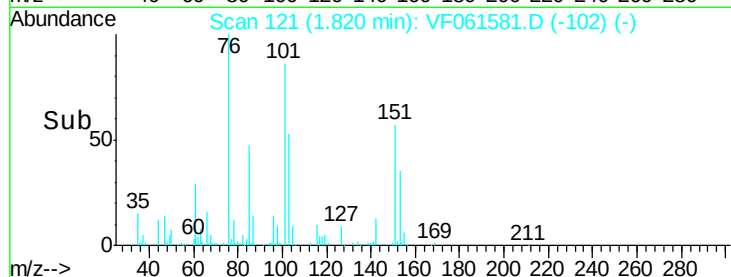
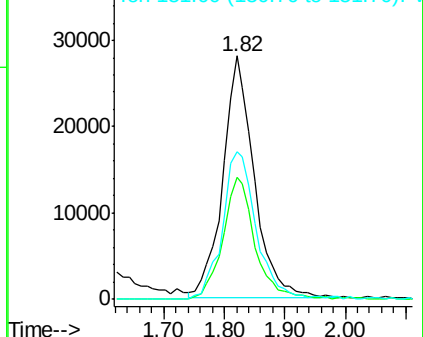
151 60.4 55.1 82.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 48.369 ug/l m

RT: 1.89 min Scan# 128

Delta R.T. -0.02 min

Lab File: VF061581.D

Acq: 11 Feb 2019 12:36

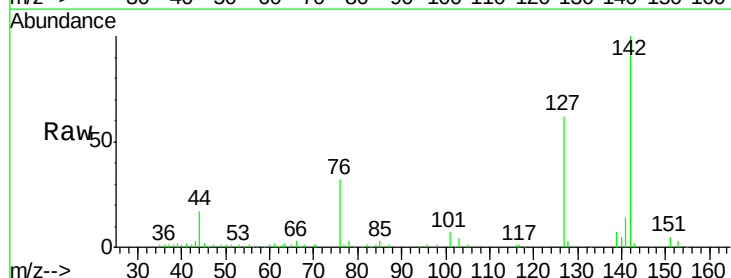
Tgt Ion:142 Resp: 156992

Ion Ratio Lower Upper

142 100

127 61.9 50.7 76.1

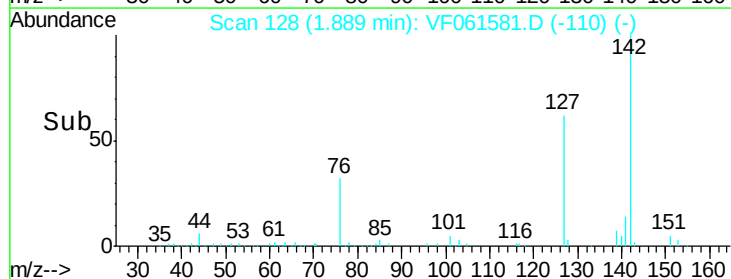
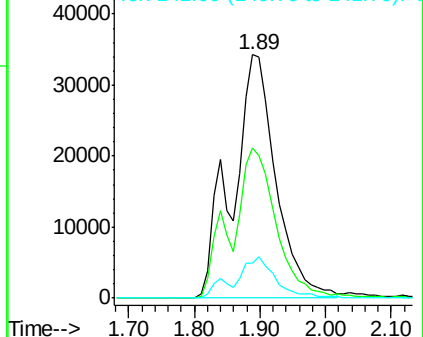
141 14.2 11.8 17.6

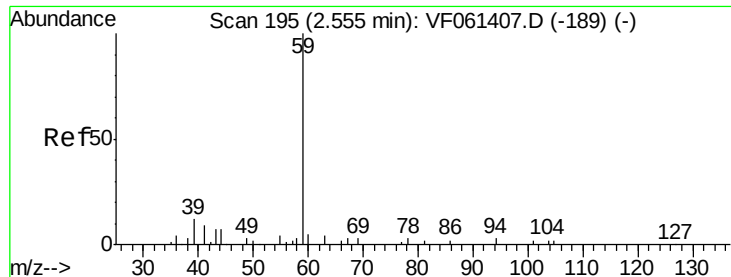


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



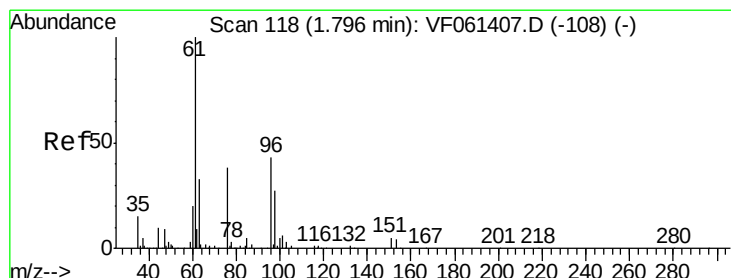
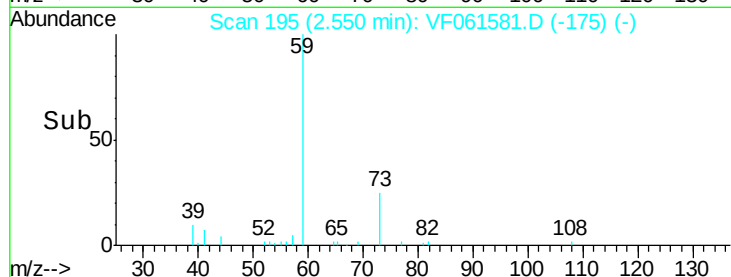
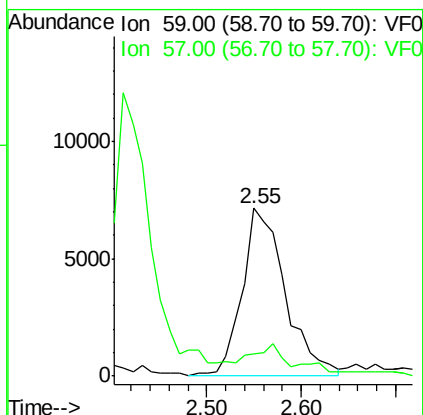
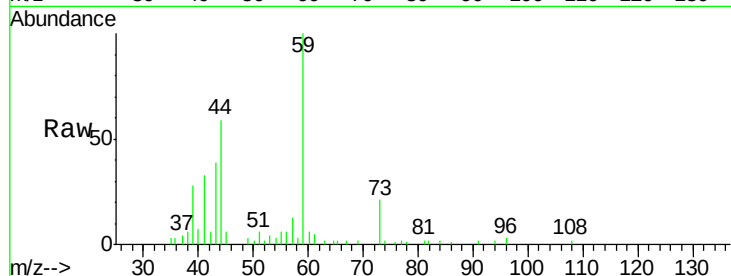


#11

Tert butyl alcohol
 Concen: 249.730 ug/l
 RT: 2.55 min Scan# 195
 Delta R.T. -0.01 min
 Lab File: VF061581.D
 Acq: 11 Feb 2019 12:36

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

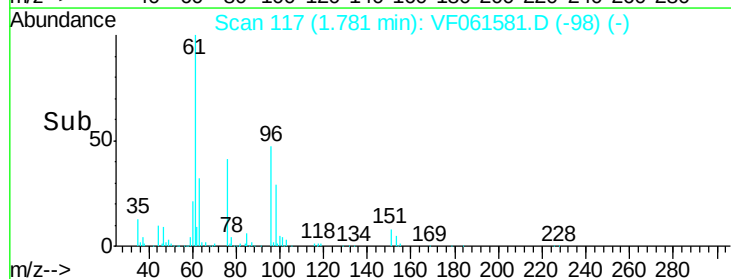
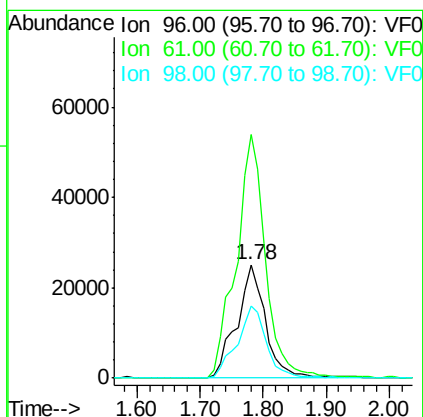
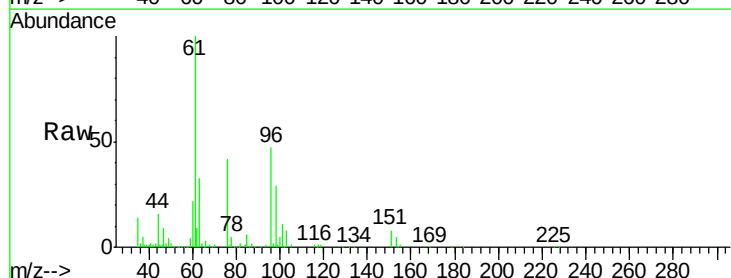
Tot Ion: 59 Resp: 22824
 Ion Ratio Lower Upper
 59 100
 57 13.1 11.9 17.9

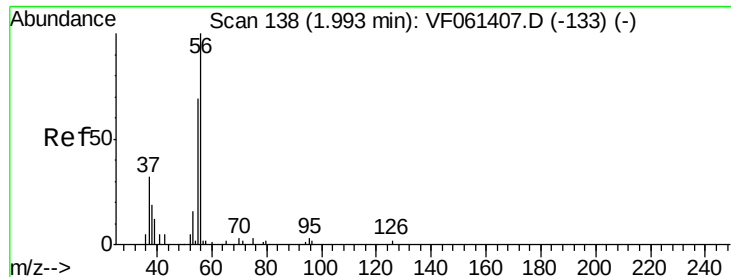


#12

1,1-Dichloroethene
 Concen: 51.340 ug/l
 RT: 1.78 min Scan# 117
 Delta R.T. -0.02 min
 Lab File: VF061581.D
 Acq: 11 Feb 2019 12:36

Tgt Ion: 96 Resp: 79856
 Ion Ratio Lower Upper
 96 100
 61 214.2 186.9 280.3
 98 63.0 53.0 79.4





#13

Acrolein

Concen: 272.157 ug/l

RT: 1.99 min Scan# 138

Delta R.T. -0.00 min

Lab File: VF061581.D

Acq: 11 Feb 2019 12:36

Instrument :

MSVOA_F

ClientSampleId :

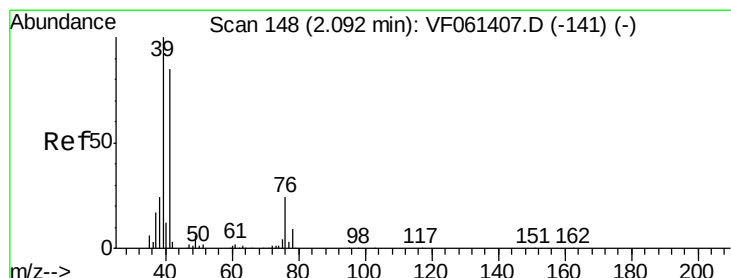
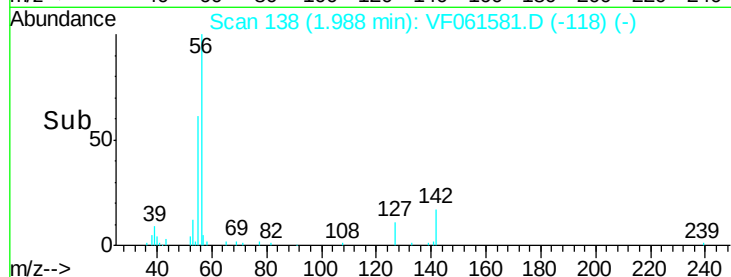
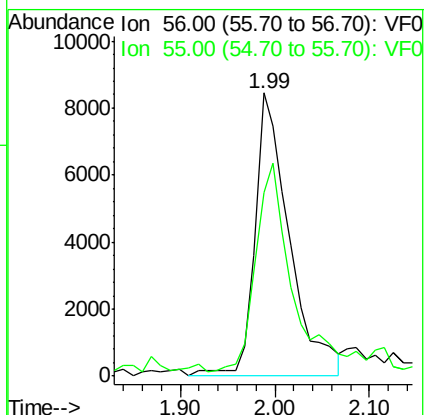
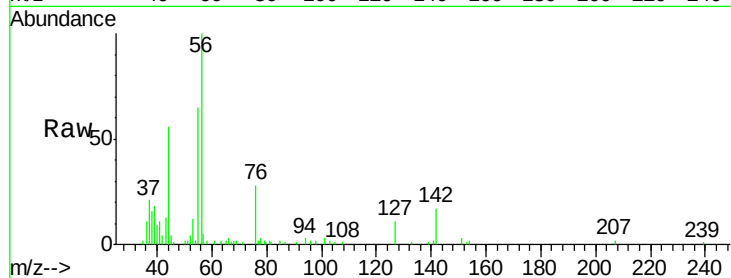
VSTDCCC050

Tot Ion: 56 Resp: 21500

Ion Ratio Lower Upper

56 100

55 64.9 57.5 86.3



#14

Allyl chloride

Concen: 74.429 ug/l

RT: 2.09 min Scan# 148

Delta R.T. -0.00 min

Lab File: VF061581.D

Acq: 11 Feb 2019 12:36

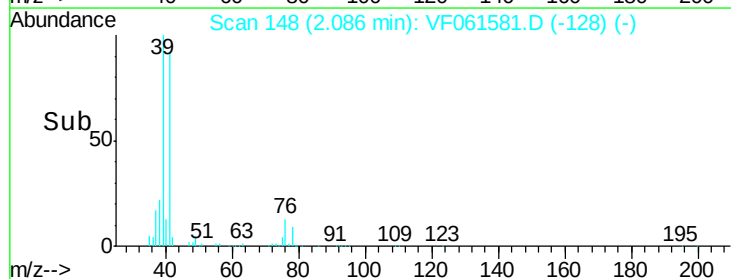
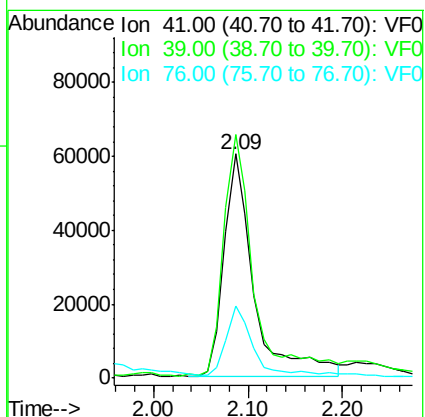
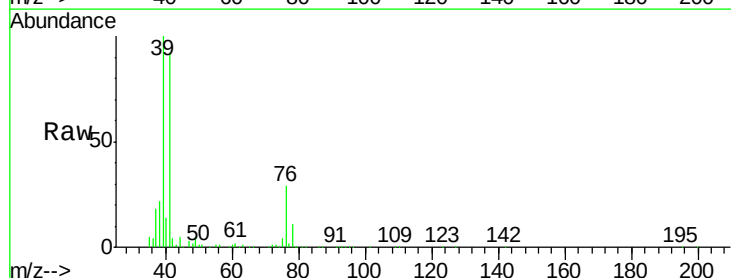
Tgt Ion: 41 Resp: 133077

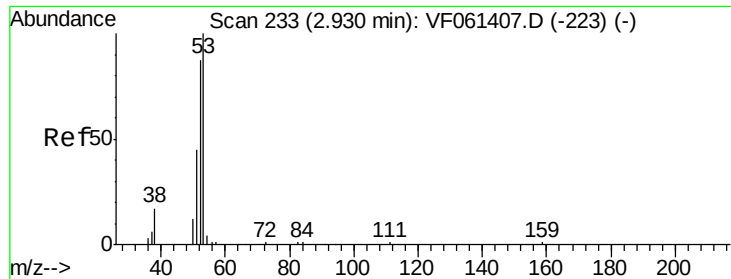
Ion Ratio Lower Upper

41 100

39 108.5 94.6 141.8

76 31.9 25.9 38.9





#15

Acrylonitrile

Concen: 257.335 ug/l

RT: 2.93 min Scan# 234

Delta R.T. 0.00 min

Lab File: VF061581.D

Acq: 11 Feb 2019 12:36

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

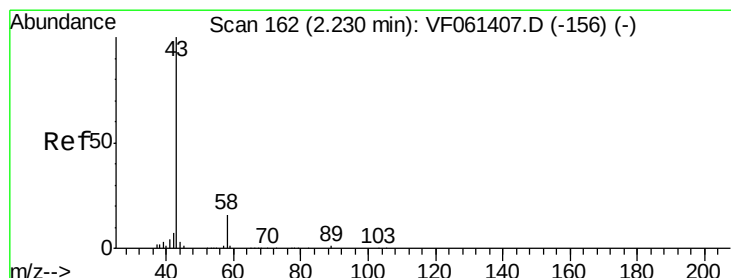
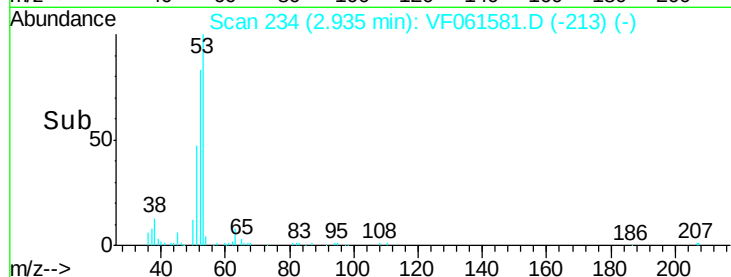
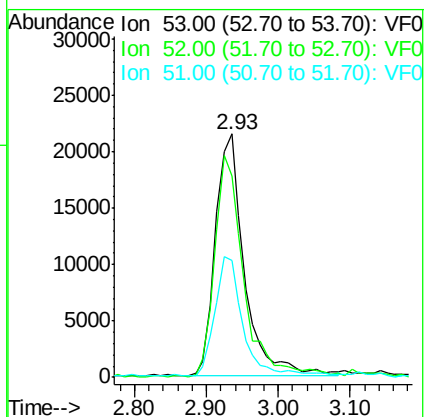
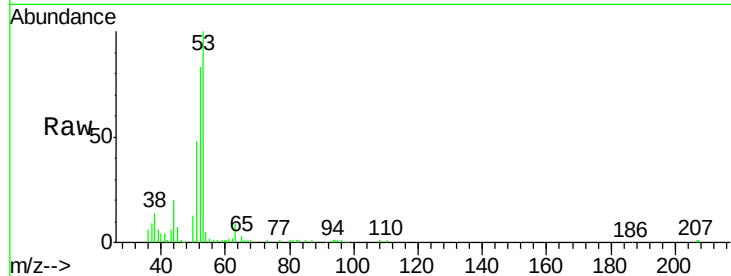
Tot Ion: 53 Resp: 60244

Ion Ratio Lower Upper

53 100

52 82.5 69.6 104.4

51 47.9 36.8 55.2



#16

Acetone

Concen: 287.906 ug/l

RT: 2.22 min Scan# 162

Delta R.T. -0.01 min

Lab File: VF061581.D

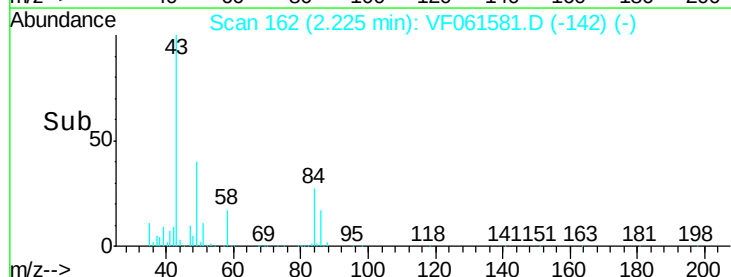
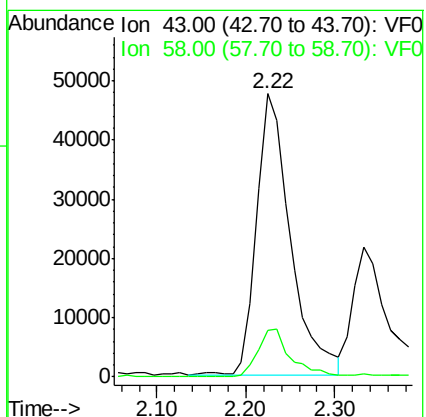
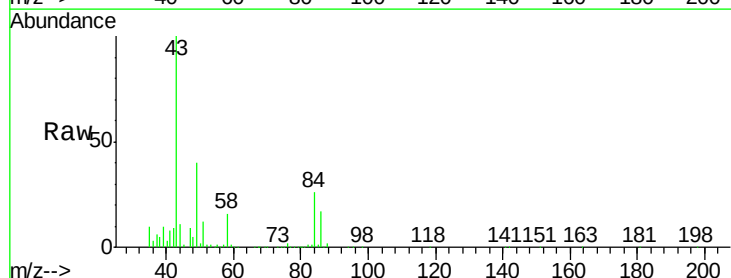
Acq: 11 Feb 2019 12:36

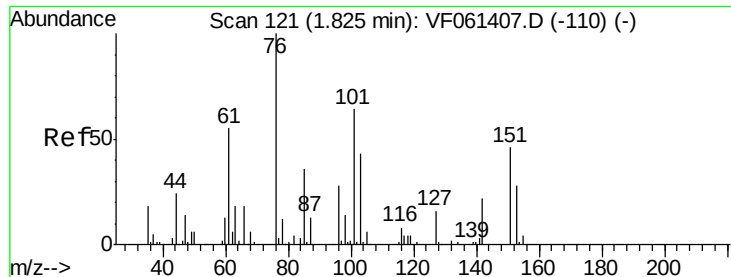
Tgt Ion: 43 Resp: 124709

Ion Ratio Lower Upper

43 100

58 16.4 13.3 19.9





#17

Carbon Disulfide

Concen: 46.232 ug/l

RT: 1.82 min Scan# 121

Delta R.T. -0.01 min

Lab File: VF061581.D

Acq: 11 Feb 2019 12:36

Instrument :

MSVOA_F

ClientSampleId :

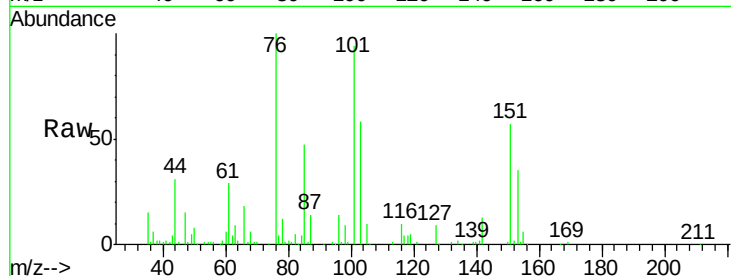
VSTDCCC050

Tot Ion: 76 Resp: 224224

Ion Ratio Lower Upper

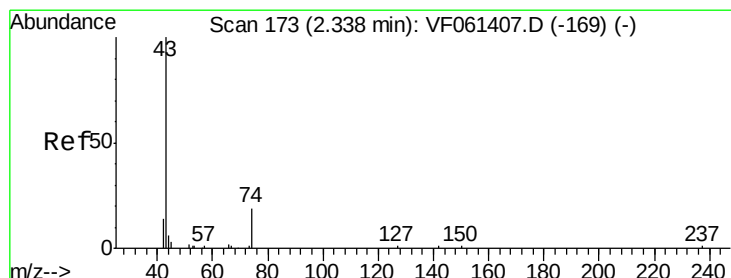
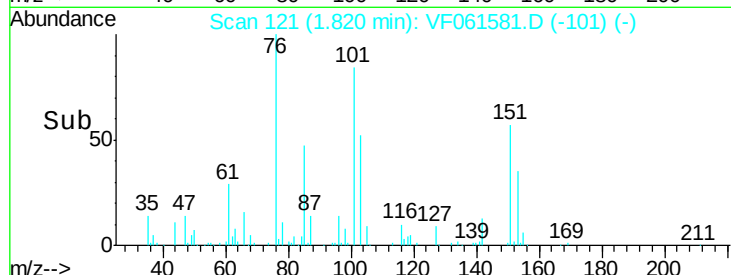
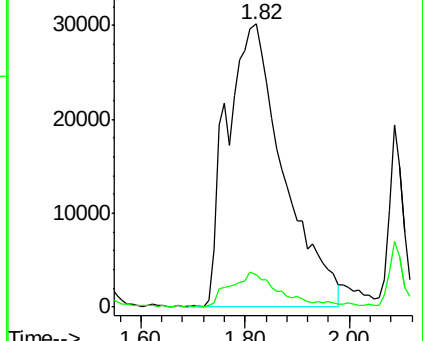
76 100

78 11.5 9.6 14.4



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#18

Methyl Acetate

Concen: 58.235 ug/l

RT: 2.33 min Scan# 173

Delta R.T. -0.01 min

Lab File: VF061581.D

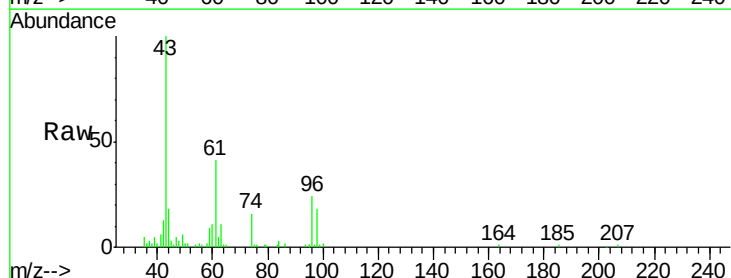
Acq: 11 Feb 2019 12:36

Tgt Ion: 43 Resp: 50025

Ion Ratio Lower Upper

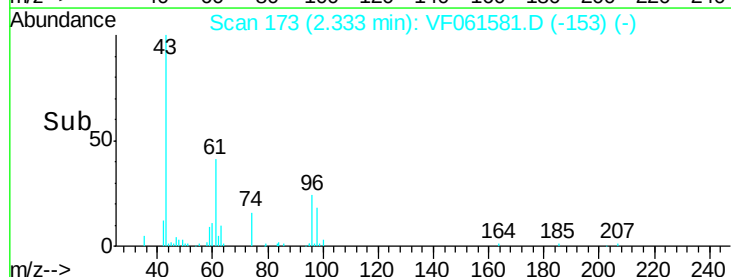
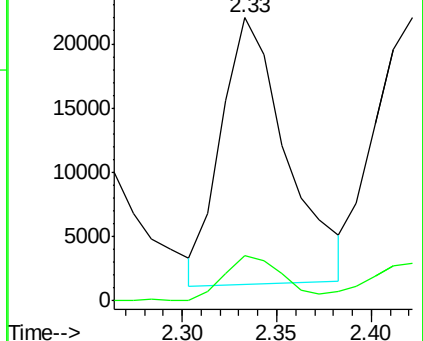
43 100

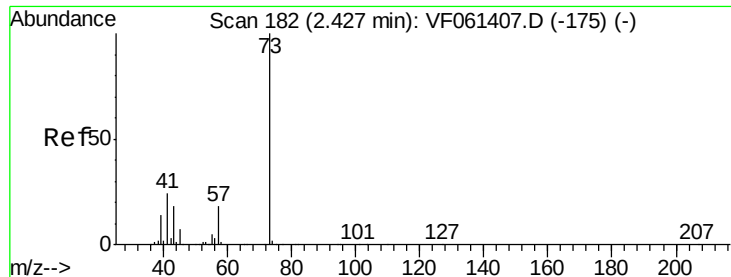
74 16.0 13.4 20.0



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0



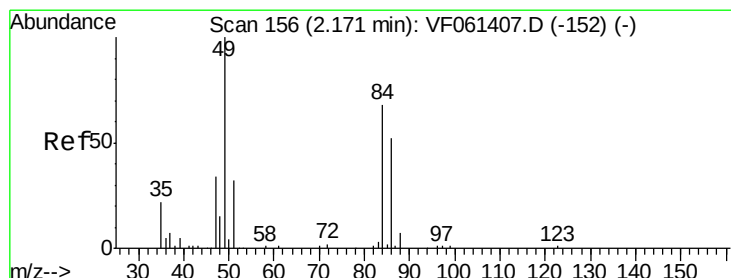
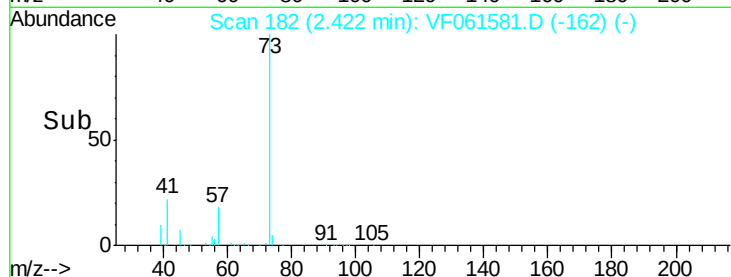
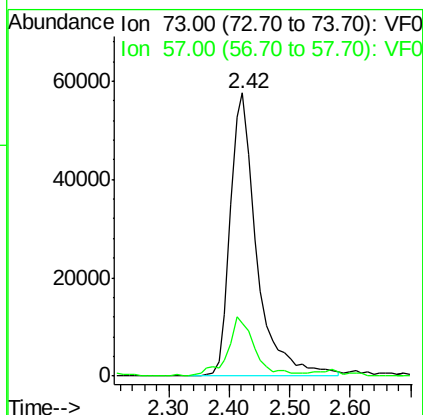
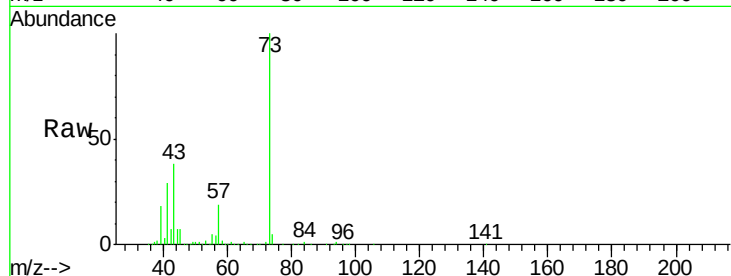


#19

Methyl tert-butyl Ether
 Concen: 50.233 ug/l
 RT: 2.42 min Scan# 182
 Delta R.T. -0.01 min
 Lab File: VF061581.D
 Acq: 11 Feb 2019 12:36

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

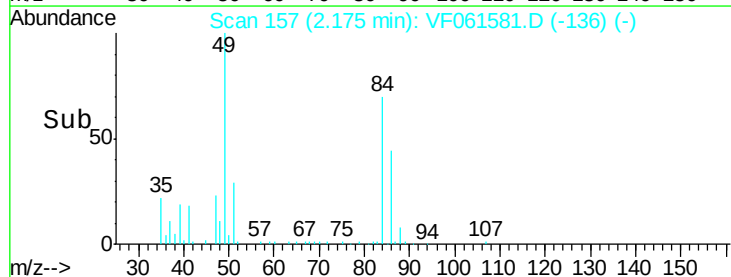
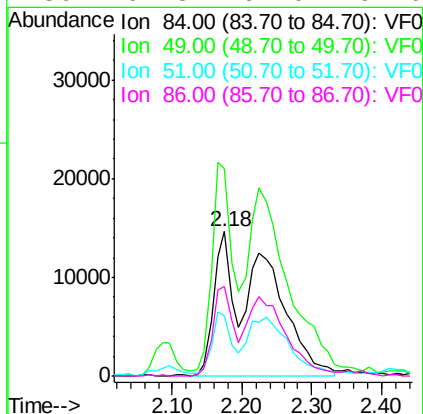
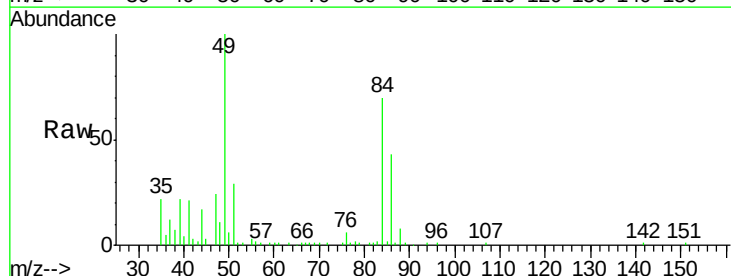
Tot Ion: 73 Resp: 175155
 Ion Ratio Lower Upper
 73 100
 57 18.6 14.8 22.2

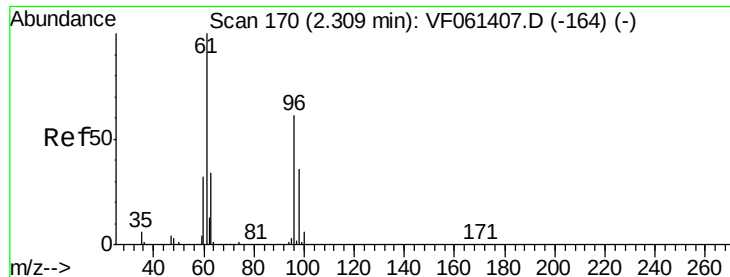


#20

Methylene Chloride
 Concen: 51.682 ug/l m
 RT: 2.18 min Scan# 157
 Delta R.T. 0.01 min
 Lab File: VF061581.D
 Acq: 11 Feb 2019 12:36

Tgt Ion: 84 Resp: 75905
 Ion Ratio Lower Upper
 84 100
 49 143.8 120.0 180.0
 51 42.1 38.6 58.0
 86 62.3 61.0 91.6





#21

trans-1,2-Dichloroethene

Concen: 48.027 ug/l

RT: 2.30 min Scan# 170

Delta R.T. -0.01 min

Lab File: VF061581.D

Acq: 11 Feb 2019 12:36

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

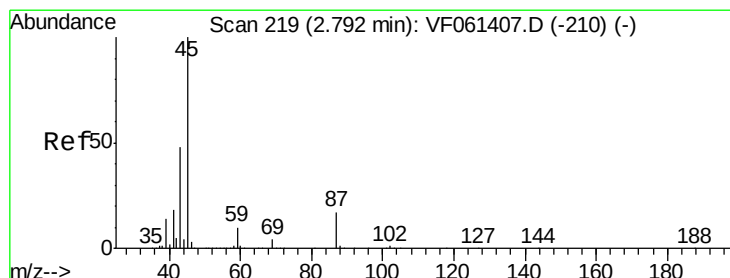
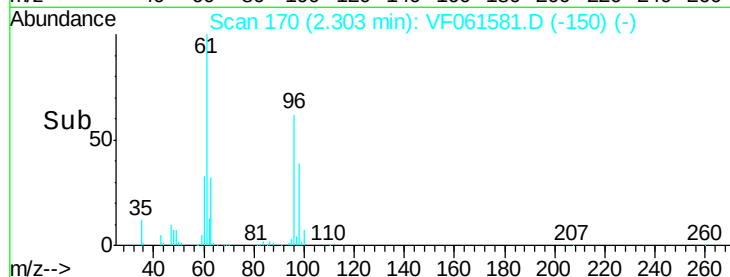
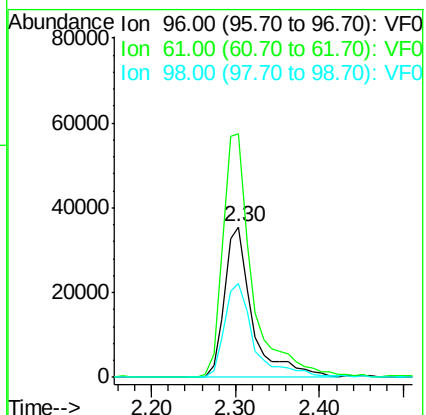
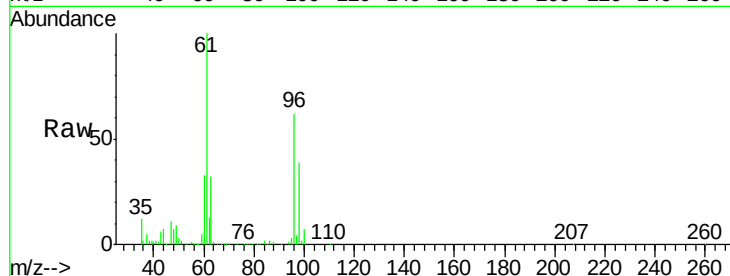
Tot Ion: 96 Resp: 82190

Ion Ratio Lower Upper

96 100

61 161.9 131.8 197.8

98 62.4 47.4 71.0



#22

Diisopropyl ether

Concen: 51.194 ug/l

RT: 2.79 min Scan# 219

Delta R.T. -0.01 min

Lab File: VF061581.D

Acq: 11 Feb 2019 12:36

Tgt Ion: 45 Resp: 283372

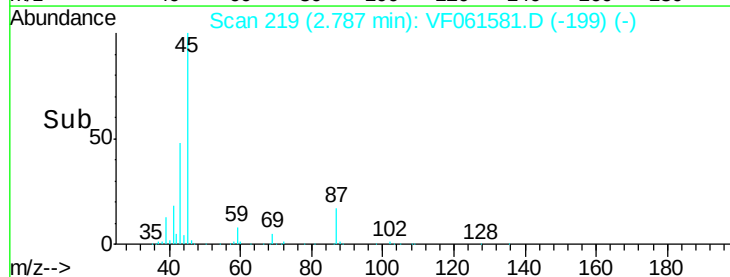
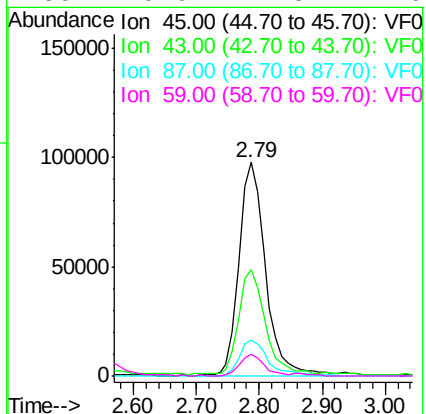
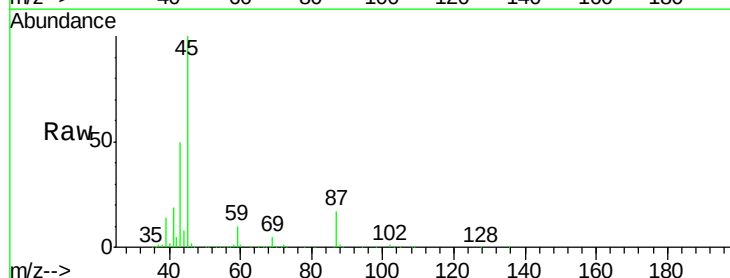
Ion Ratio Lower Upper

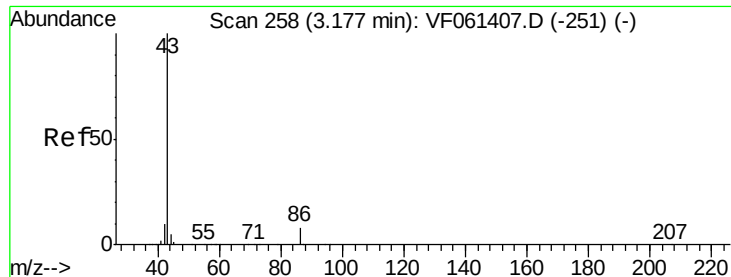
45 100

43 50.0 39.0 58.6

87 17.1 13.9 20.9

59 9.9 7.8 11.6





#23

Vinyl Acetate

Concen: 268.465 ug/l

RT: 3.17 min Scan# 258

Delta R.T. -0.00 min

Lab File: VF061581.D

Acq: 11 Feb 2019 12:36

Instrument :

MSVOA_F

ClientSampleId :

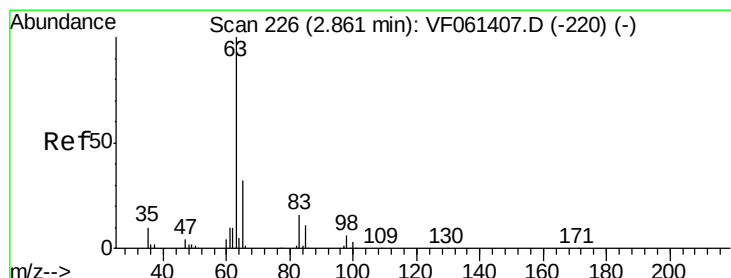
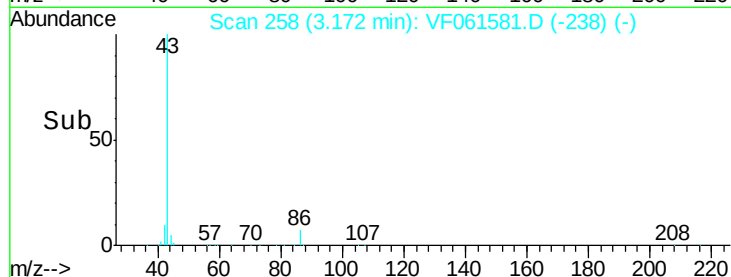
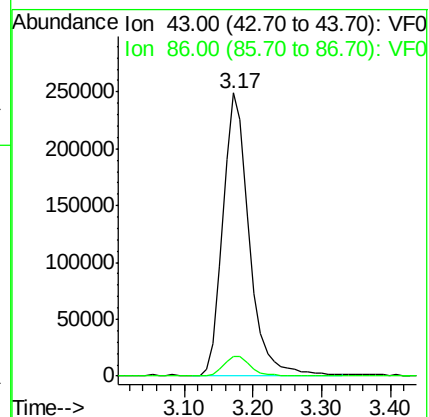
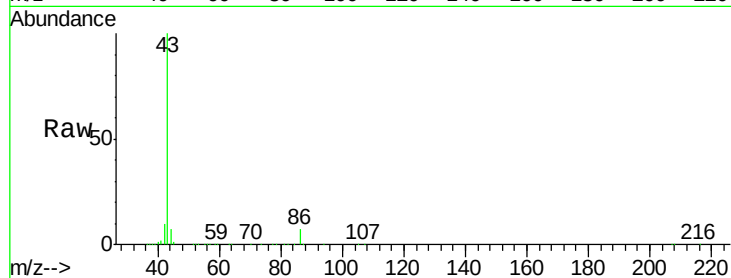
VSTDCCC050

Tot Ion: 43 Resp: 654206

Ion Ratio Lower Upper

43 100

86 7.0 6.2 9.4



#24

1,1-Dichloroethane

Concen: 49.377 ug/l

RT: 2.86 min Scan# 226

Delta R.T. -0.01 min

Lab File: VF061581.D

Acq: 11 Feb 2019 12:36

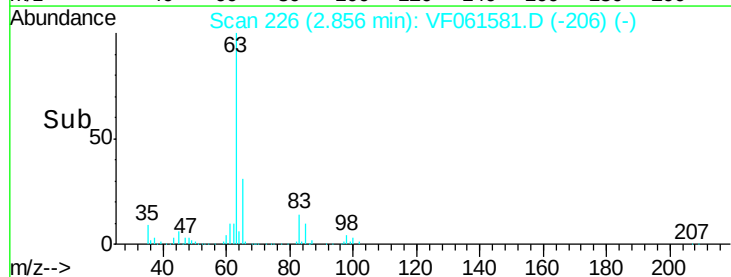
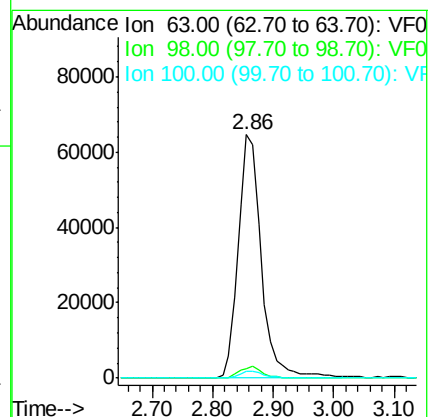
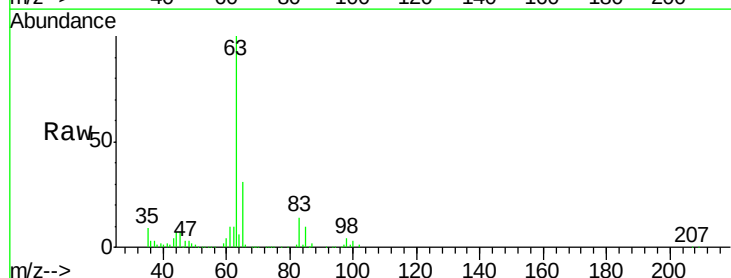
Tgt Ion: 63 Resp: 171540

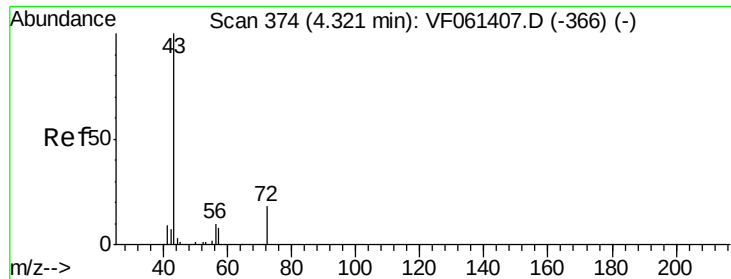
Ion Ratio Lower Upper

63 100

98 4.0 2.9 8.8

100 2.9 1.6 4.8





#25

2-Butanone

Concen: 255.015 ug/l

RT: 4.32 min Scan# 374

Delta R.T. -0.01 min

Lab File: VF061581.D

Acq: 11 Feb 2019 12:36

Instrument :

MSVOA_F

ClientSampleId :

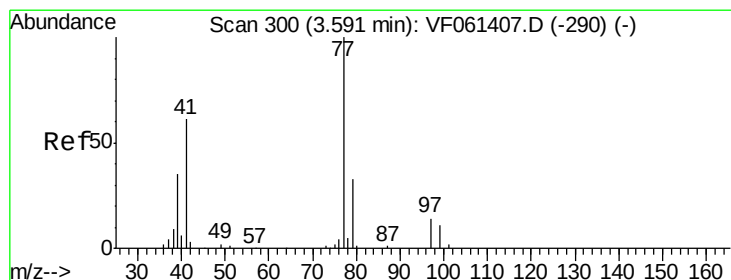
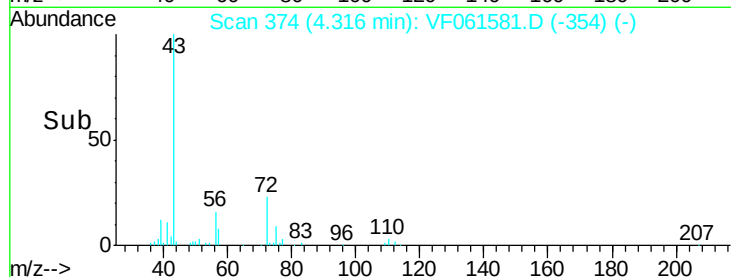
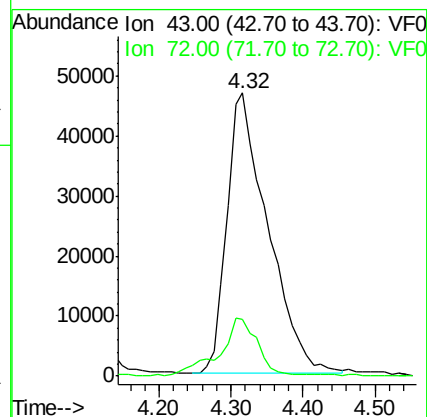
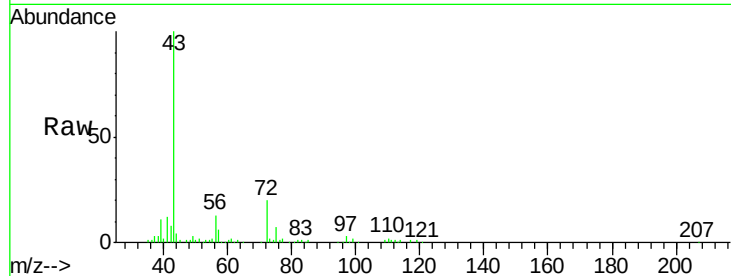
VSTDCCC050

Tot Ion: 43 Resp: 183694

Ion Ratio Lower Upper

43 100

72 20.0 15.8 23.6



#26

2,2-Dichloropropane

Concen: 46.872 ug/l

RT: 3.59 min Scan# 300

Delta R.T. -0.00 min

Lab File: VF061581.D

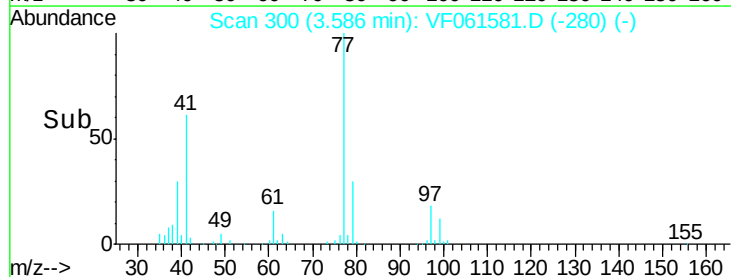
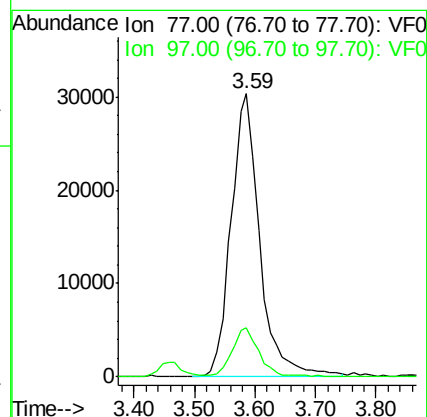
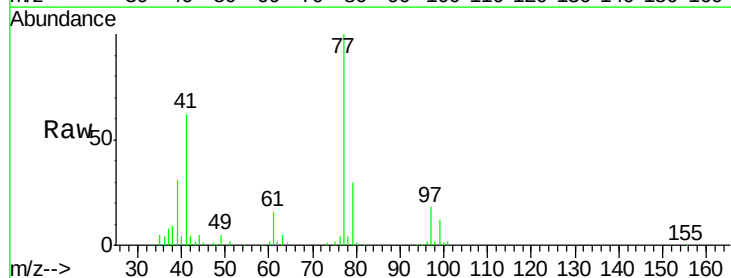
Acq: 11 Feb 2019 12:36

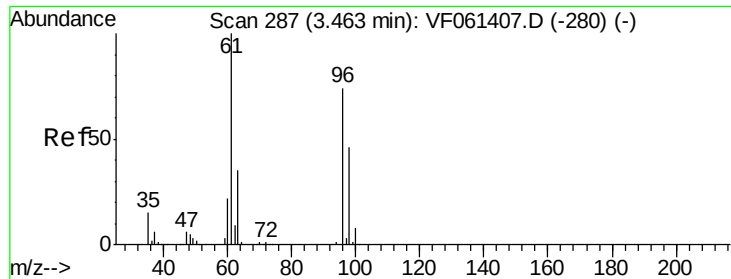
Tgt Ion: 77 Resp: 100045

Ion Ratio Lower Upper

77 100

97 17.6 8.5 25.5



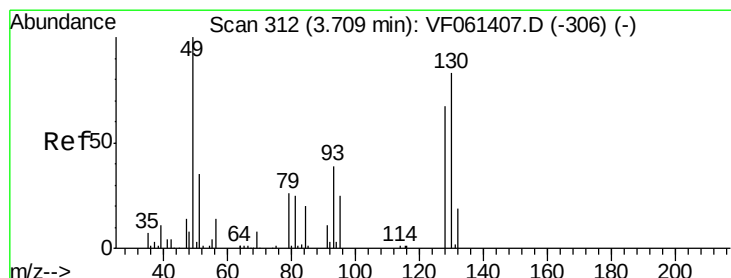
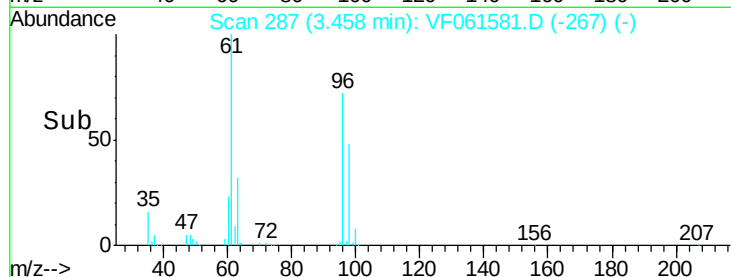
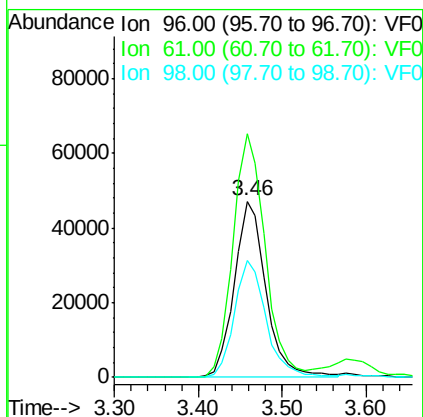
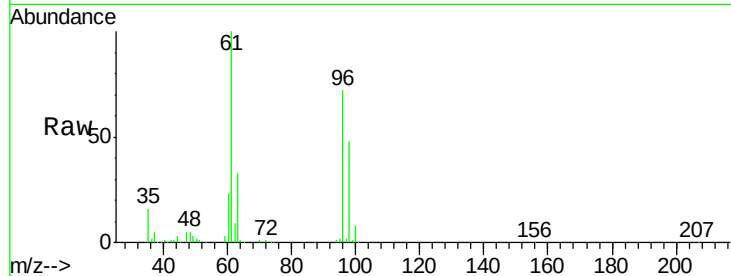


#27

cis-1,2-Dichloroethene
Concen: 49.161 ug/l
RT: 3.46 min Scan# 287
Delta R.T. -0.01 min
Lab File: VF061581.D
Acq: 11 Feb 2019 12:36

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

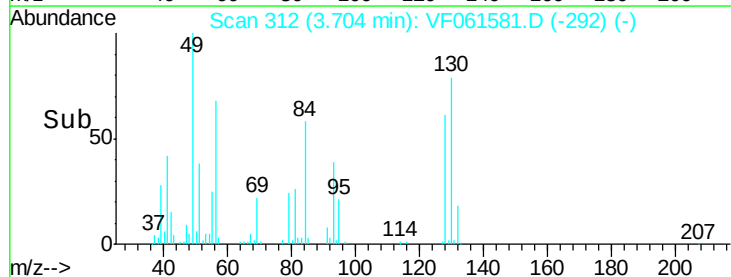
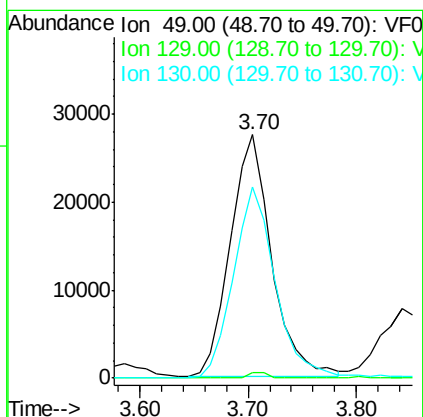
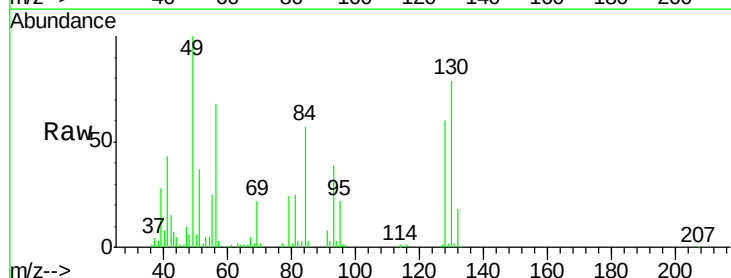
Tot Ion: 96 Resp: 124191
Ion Ratio Lower Upper
96 100
61 138.2 0.0 270.2
98 66.6 0.0 124.0

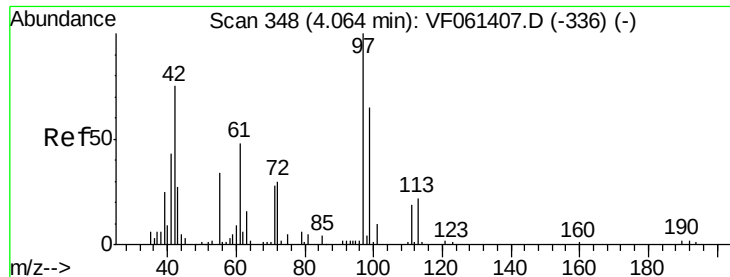


#28

Bromochloromethane
Concen: 46.752 ug/l
RT: 3.70 min Scan# 312
Delta R.T. -0.01 min
Lab File: VF061581.D
Acq: 11 Feb 2019 12:36

Tgt Ion: 49 Resp: 73009
Ion Ratio Lower Upper
49 100
129 2.4 0.0 0.0#
130 78.7 65.4 98.2





#29

Tetrahydrofuran

Concen: 237.630 ug/l

RT: 4.05 min Scan# 347

Delta R.T. -0.02 min

Lab File: VF061581.D

Acq: 11 Feb 2019 12:36

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

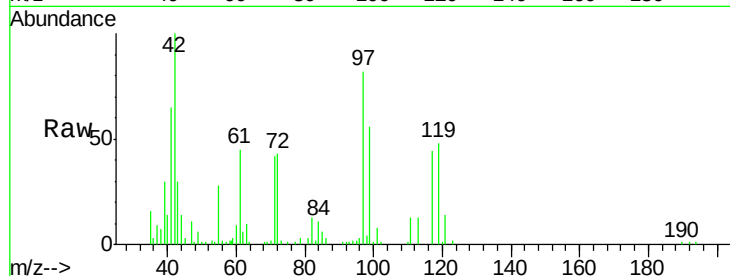
Tot Ion: 42 Resp: 73705

Ion Ratio Lower Upper

42 100

72 38.7 28.9 43.3

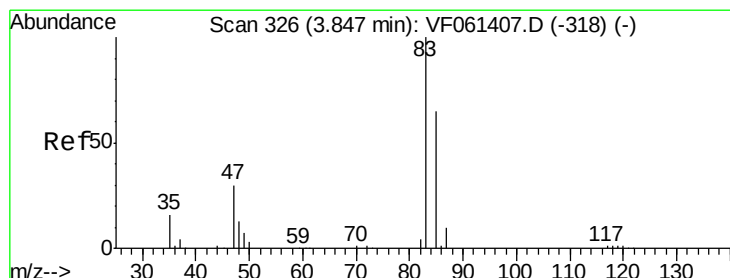
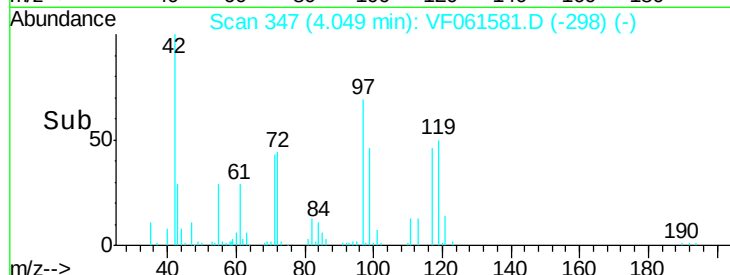
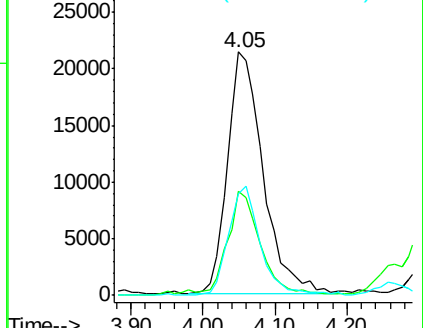
71 40.3 29.6 44.4



Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0



#30

Chloroform

Concen: 48.506 ug/l

RT: 3.84 min Scan# 326

Delta R.T. -0.01 min

Lab File: VF061581.D

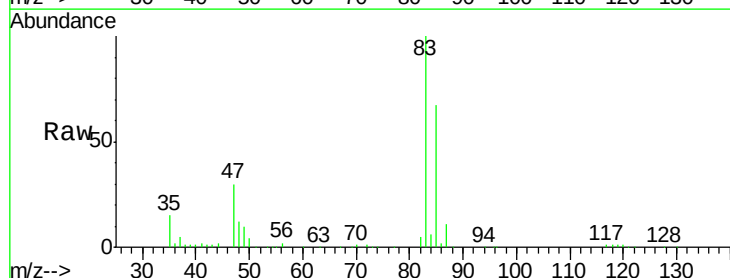
Acq: 11 Feb 2019 12:36

Tgt Ion: 83 Resp: 227422

Ion Ratio Lower Upper

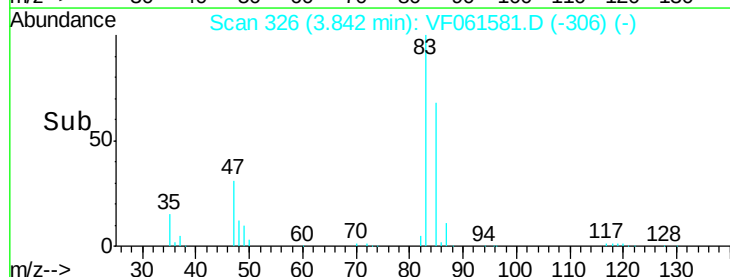
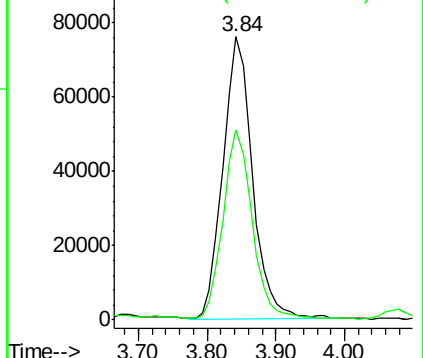
83 100

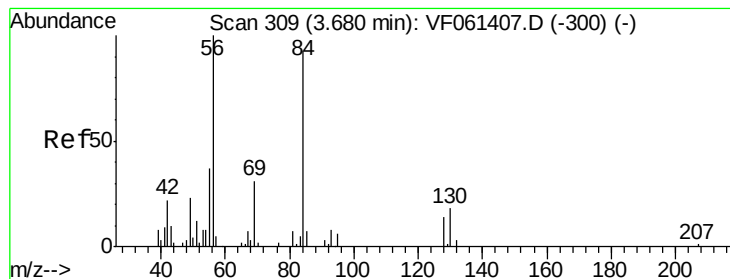
85 67.1 52.7 79.1



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0





#31

Cyclohexane

Concen: 42.409 ug/l

RT: 3.67 min Scan# 309

Delta R.T. -0.01 min

Lab File: VF061581.D

Acq: 11 Feb 2019 12:36

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

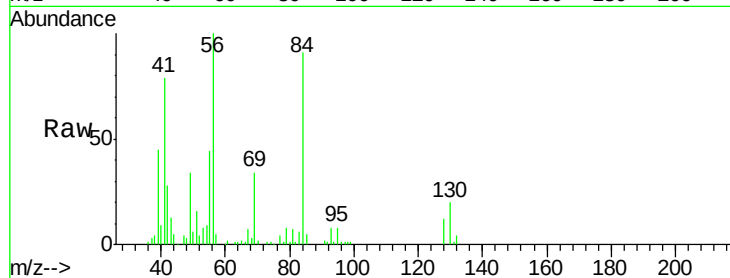
Tot Ion: 56 Resp: 147171

Ion Ratio Lower Upper

56 100

69 33.9 24.6 36.8

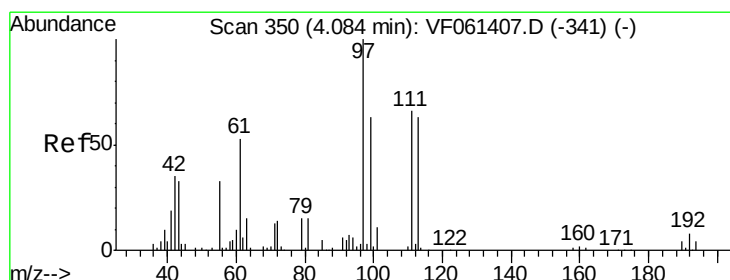
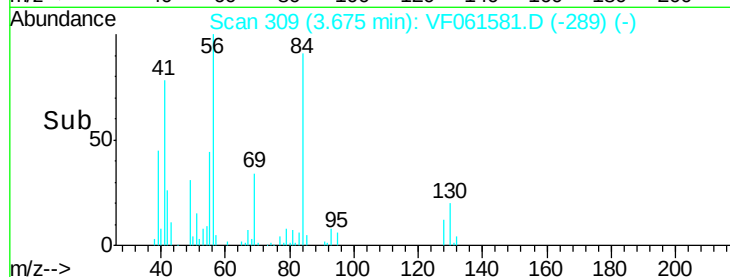
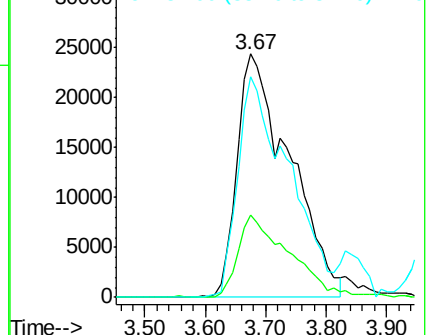
84 90.7 74.2 111.2



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 84.00 (83.70 to 84.70): VF0



#32

1,1,1-Trichloroethane

Concen: 49.244 ug/l

RT: 4.08 min Scan# 350

Delta R.T. -0.00 min

Lab File: VF061581.D

Acq: 11 Feb 2019 12:36

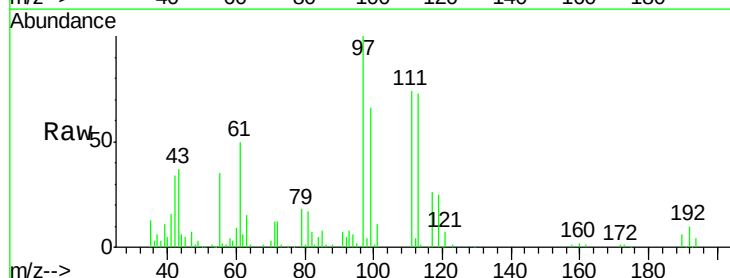
Tgt Ion: 97 Resp: 169289

Ion Ratio Lower Upper

97 100

99 65.9 50.1 75.1

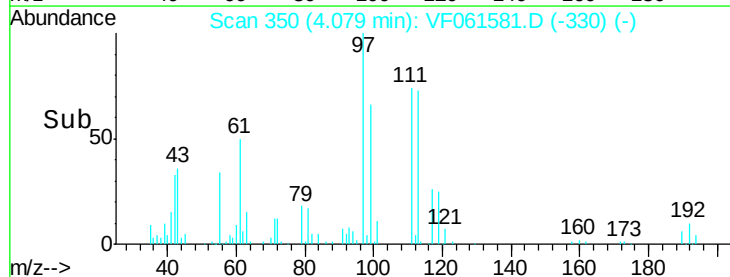
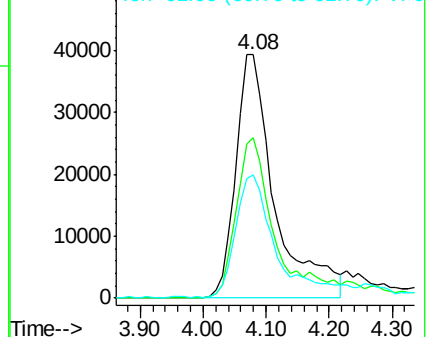
61 50.5 43.1 64.7

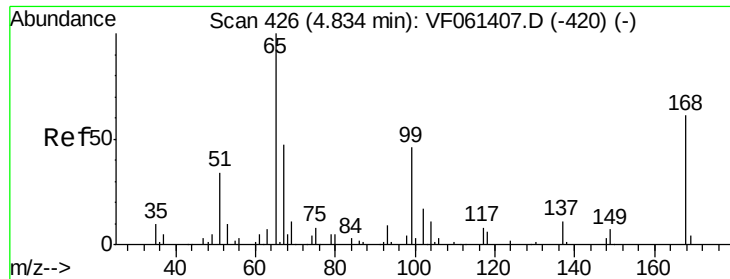


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

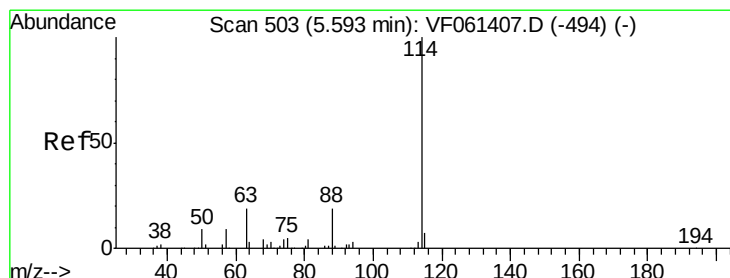
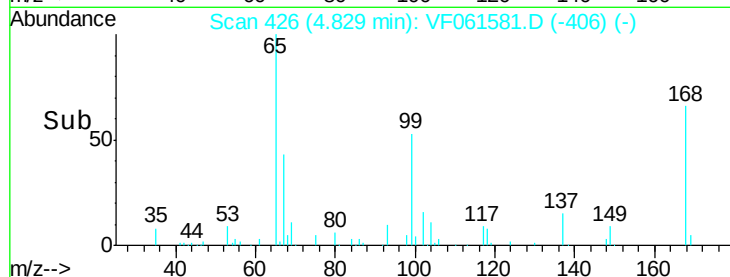
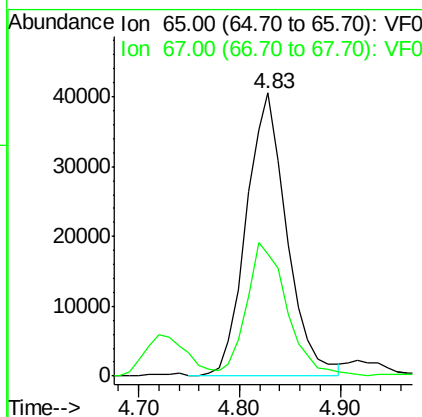
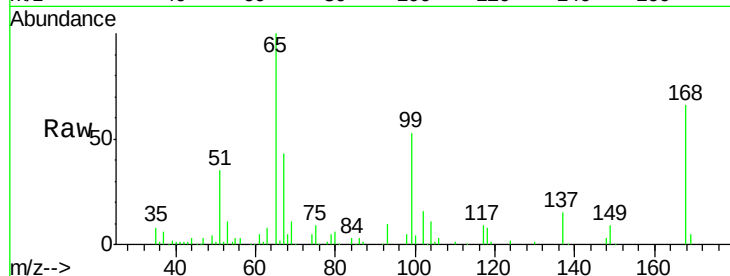




#33
 1,2-Dichloroethane-d4
 Concen: 52.112 ug/l
 RT: 4.83 min Scan# 426
 Delta R.T. -0.01 min
 Lab File: VF061581.D
 Acq: 11 Feb 2019 12:36

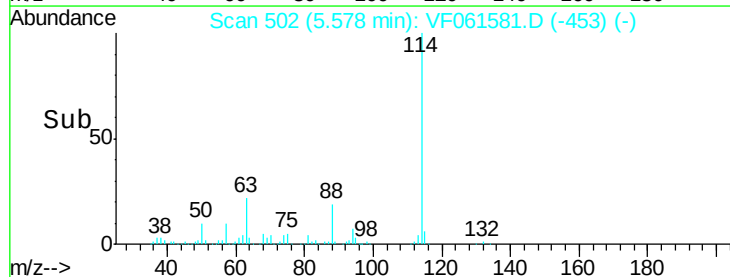
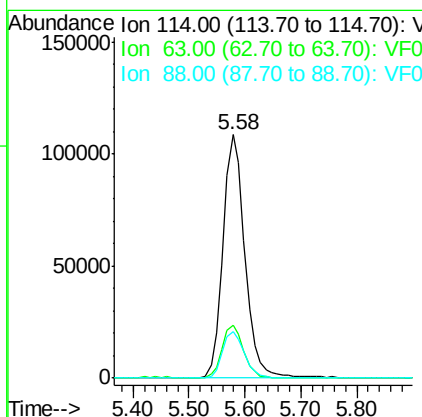
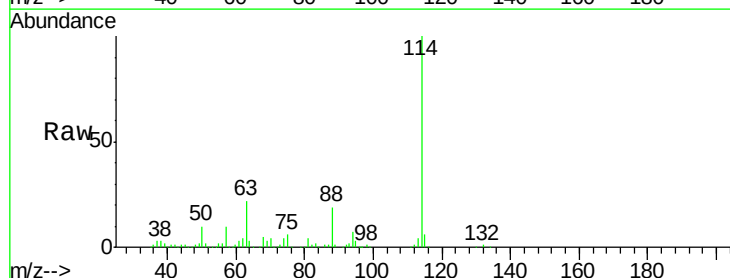
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

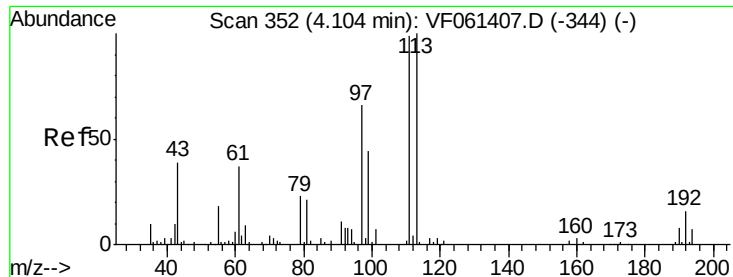
Tot Ion: 65 Resp: 112519
 Ion Ratio Lower Upper
 65 100
 67 43.3 0.0 99.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.58 min Scan# 502
 Delta R.T. -0.01 min
 Lab File: VF061581.D
 Acq: 11 Feb 2019 12:36

Tgt Ion: 114 Resp: 296370
 Ion Ratio Lower Upper
 114 100
 63 21.8 0.0 39.0
 88 19.1 0.0 37.4





#35

Dibromofluoromethane

Concen: 52.362 ug/l

RT: 4.10 min Scan# 352

Delta R.T. -0.01 min

Lab File: VF061581.D

Acq: 11 Feb 2019 12:36

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

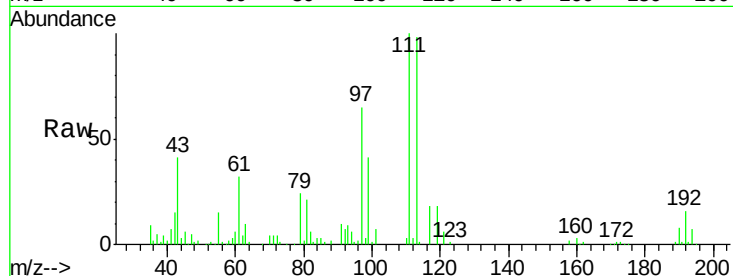
Tot Ion:113 Resp: 122454

Ion Ratio Lower Upper

113 100

111 101.6 79.4 119.0

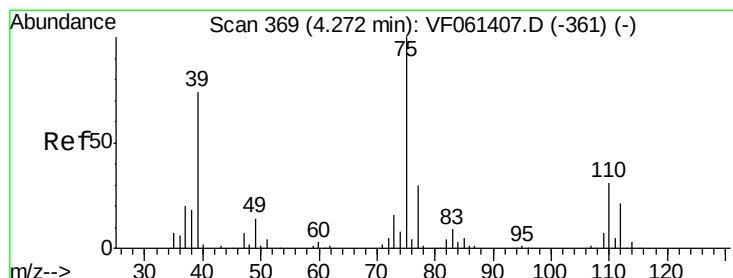
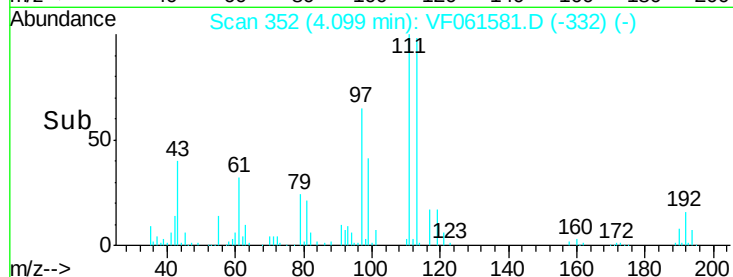
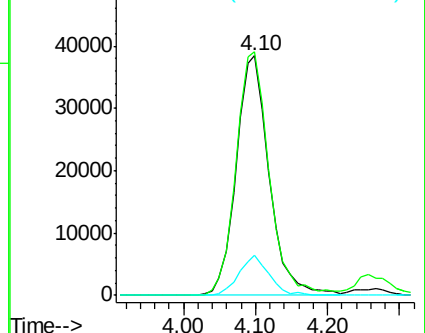
192 16.6 12.4 18.6



Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#36

1,1-Dichloropropene

Concen: 50.269 ug/l

RT: 4.26 min Scan# 368

Delta R.T. -0.02 min

Lab File: VF061581.D

Acq: 11 Feb 2019 12:36

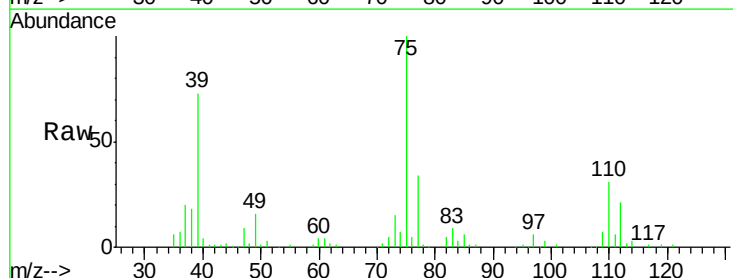
Tgt Ion: 75 Resp: 172736

Ion Ratio Lower Upper

75 100

110 30.9 15.8 47.3

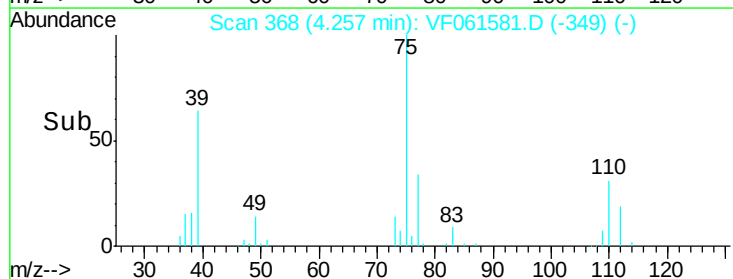
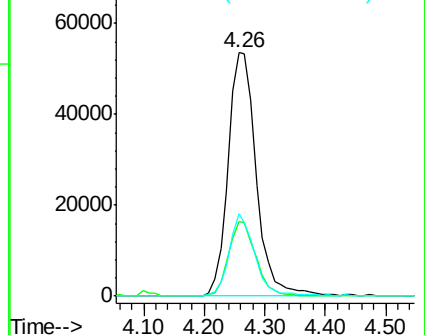
77 33.8 24.0 36.0

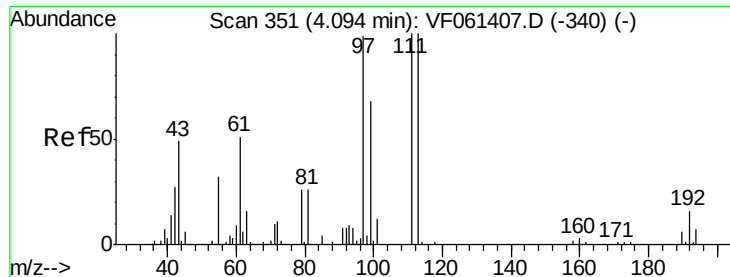


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0

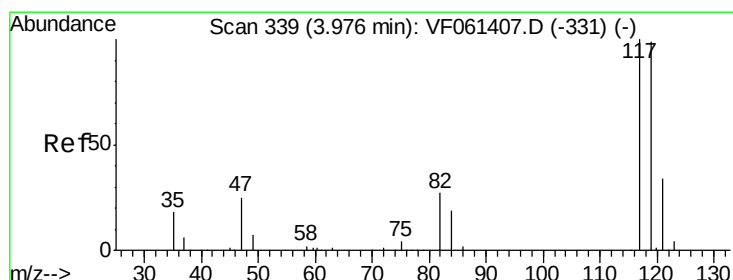
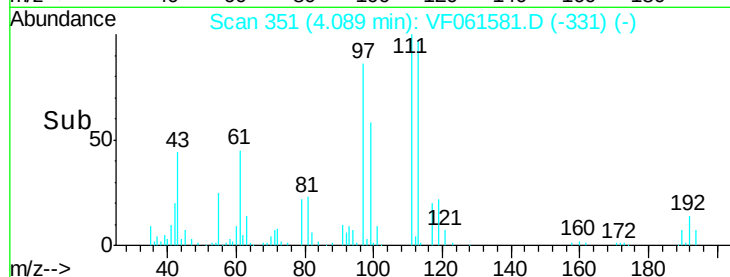
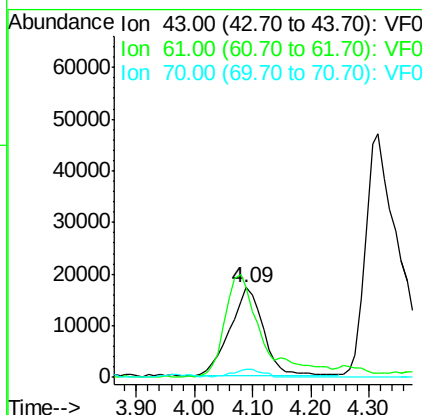
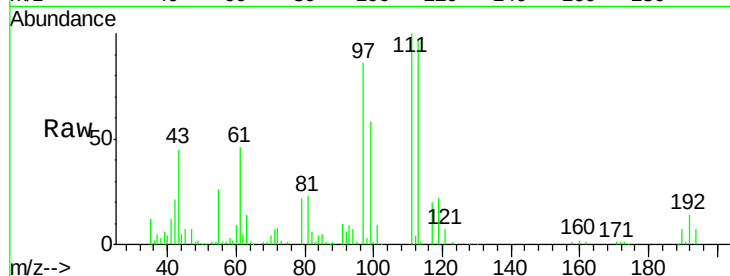




#37
Ethyl Acetate
Concen: 48.895 ug/l
RT: 4.09 min Scan# 351
Delta R.T. -0.01 min
Lab File: VF061581.D
Acq: 11 Feb 2019 12:36

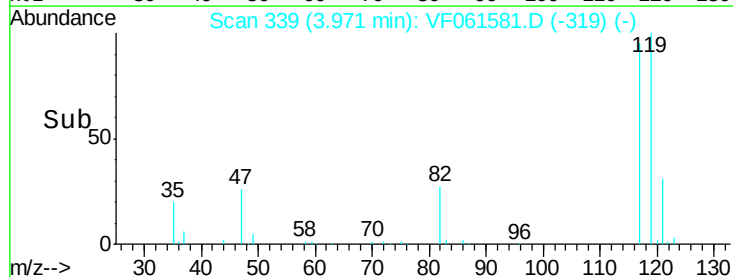
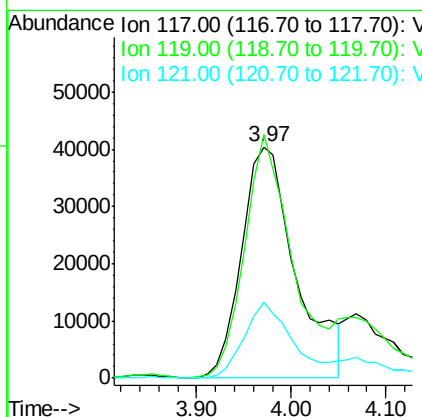
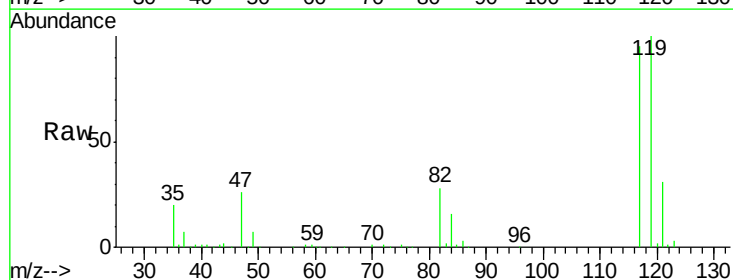
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

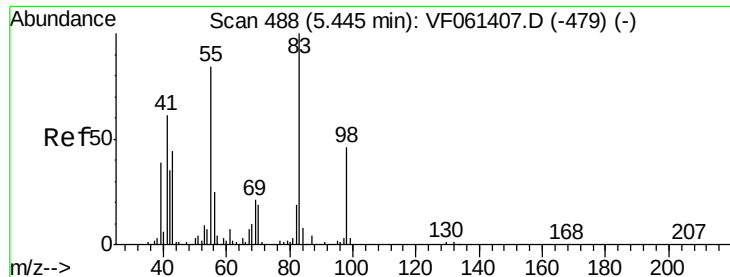
Tot Ion: 43 Resp: 67162
Ion Ratio Lower Upper
43 100
61 100.9 81.7 122.5
70 9.4 6.2 9.2#



#38
Carbon Tetrachloride
Concen: 53.766 ug/l
RT: 3.97 min Scan# 339
Delta R.T. -0.01 min
Lab File: VF061581.D
Acq: 11 Feb 2019 12:36

Tgt Ion: 117 Resp: 161518
Ion Ratio Lower Upper
117 100
119 105.4 79.0 118.6
121 32.8 27.0 40.6

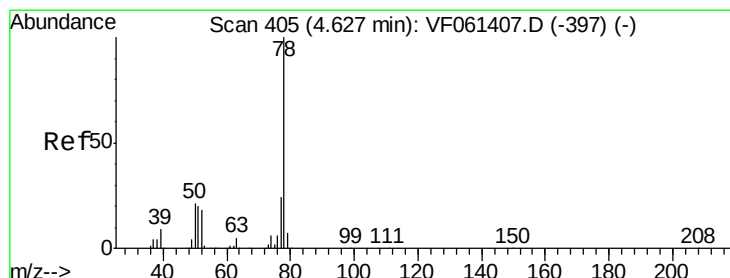
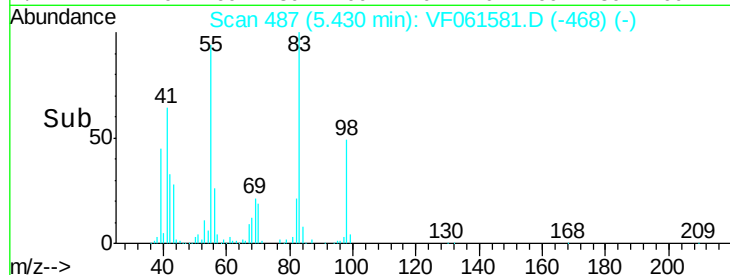
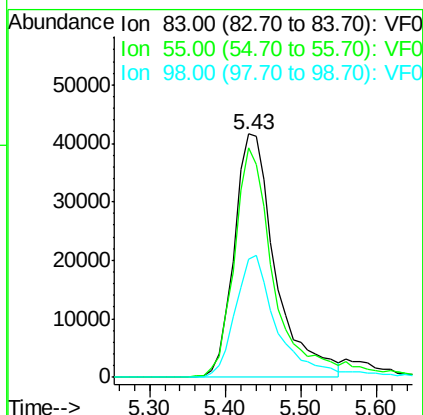
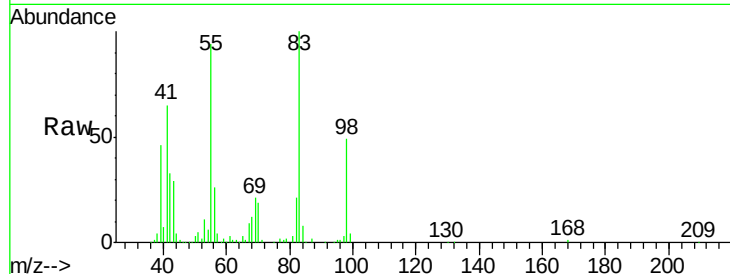




#39
Methylvlcyclohexane
Concen: 42.413 ug/l
RT: 5.43 min Scan# 487
Delta R.T. -0.02 min
Lab File: VF061581.D
Acq: 11 Feb 2019 12:36

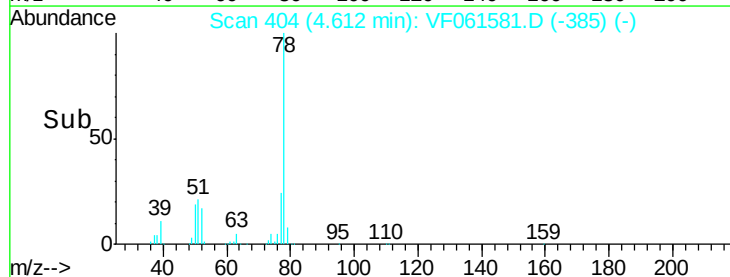
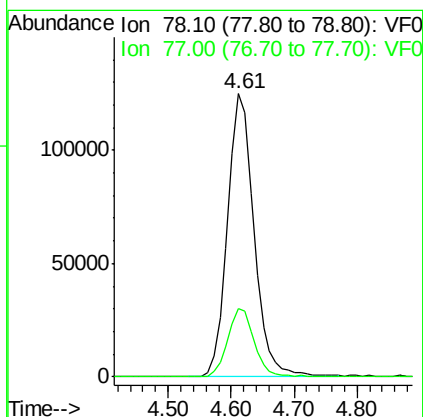
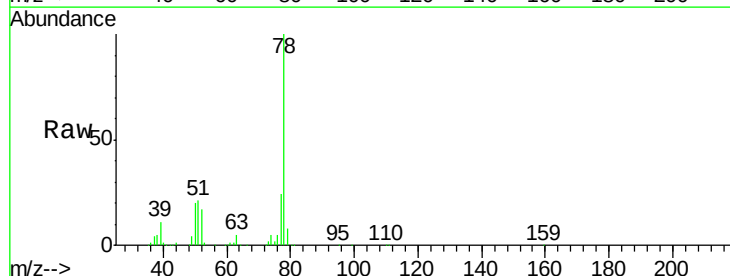
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

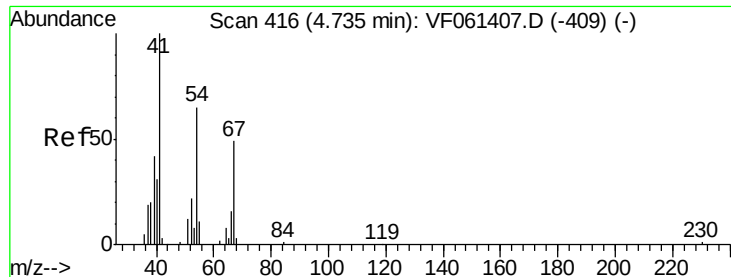
Tot Ion: 83 Resp: 157944
Ion Ratio Lower Upper
83 100
55 94.2 67.4 101.2
98 48.8 36.7 55.1



#40
Benzene
Concen: 47.734 ug/l
RT: 4.61 min Scan# 404
Delta R.T. -0.02 min
Lab File: VF061581.D
Acq: 11 Feb 2019 12:36

Tgt Ion: 78 Resp: 364986
Ion Ratio Lower Upper
78 100
77 24.1 19.0 28.6





#41

Methacrylonitrile

Concen: 47.419 ug/l

RT: 4.73 min Scan# 416

Delta R.T. -0.01 min

Lab File: VF061581.D

Acq: 11 Feb 2019 12:36

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 34658

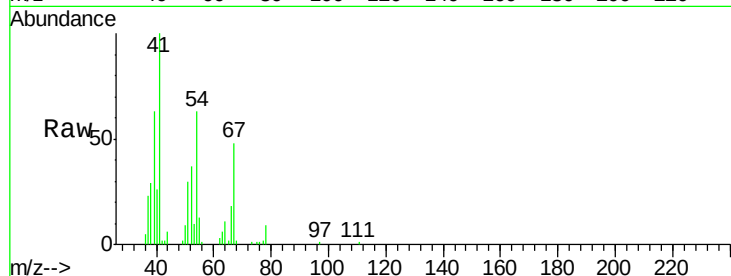
Ion Ratio Lower Upper

41 100

39 62.6 43.1 64.7

67 47.6 38.8 58.2

52 37.0 33.2 49.8

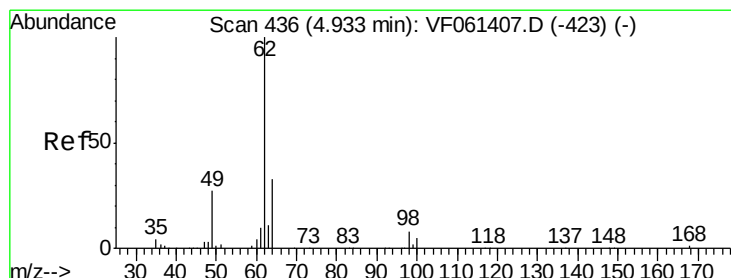
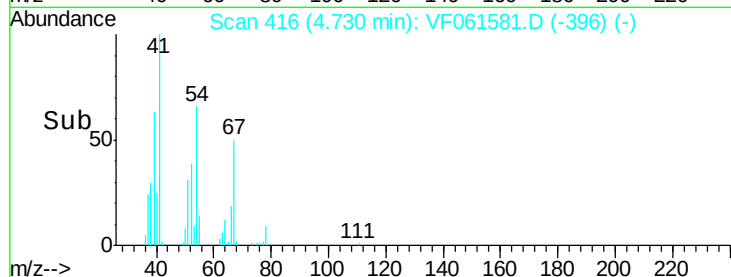
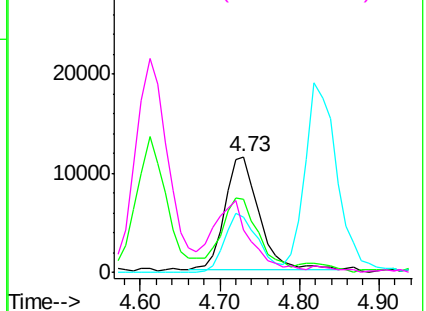


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#42

1,2-Dichloroethane

Concen: 51.390 ug/l

RT: 4.93 min Scan# 436

Delta R.T. -0.01 min

Lab File: VF061581.D

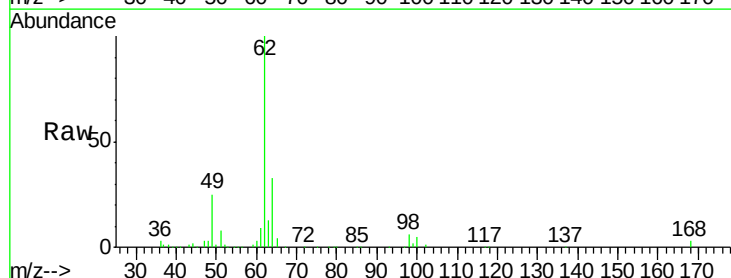
Acq: 11 Feb 2019 12:36

Tgt Ion: 62 Resp: 140023

Ion Ratio Lower Upper

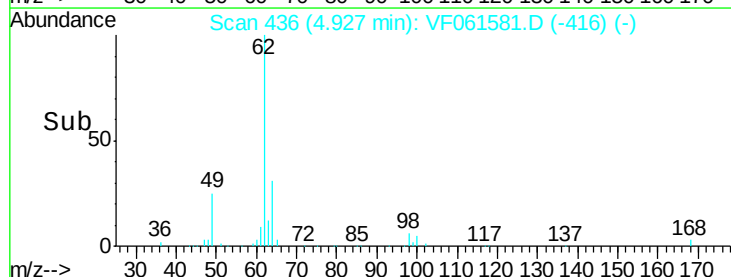
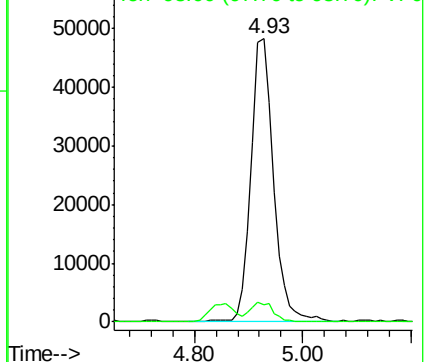
62 100

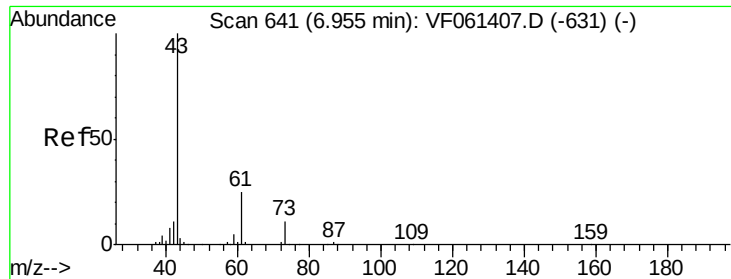
98 6.3 0.0 17.0



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#43

Isopropyl Acetate

Concen: 49.580 ug/l

RT: 6.94 min Scan# 640

Delta R.T. -0.02 min

Lab File: VF061581.D

Acq: 11 Feb 2019 12:36

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

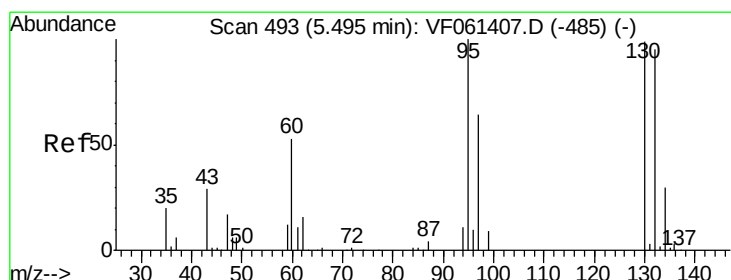
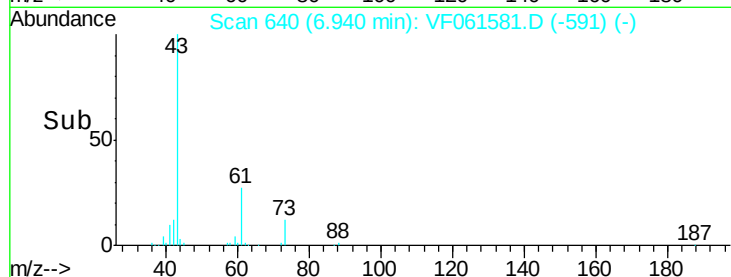
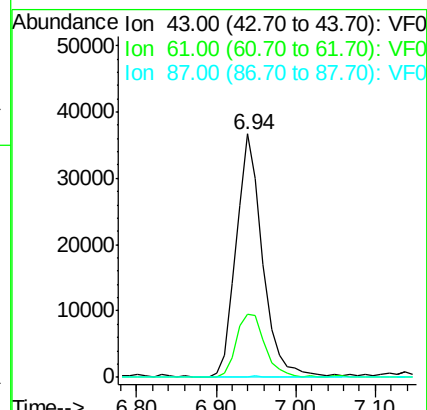
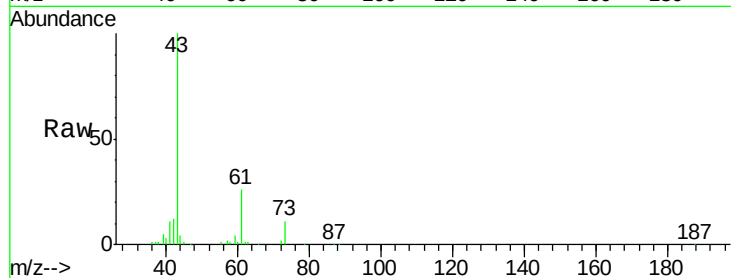
Tot Ion: 43 Resp: 85473

Ion Ratio Lower Upper

43 100

61 26.0 20.3 30.5

87 0.4 0.5 0.7#



#44

Trichloroethene

Concen: 48.539 ug/l

RT: 5.48 min Scan# 492

Delta R.T. -0.02 min

Lab File: VF061581.D

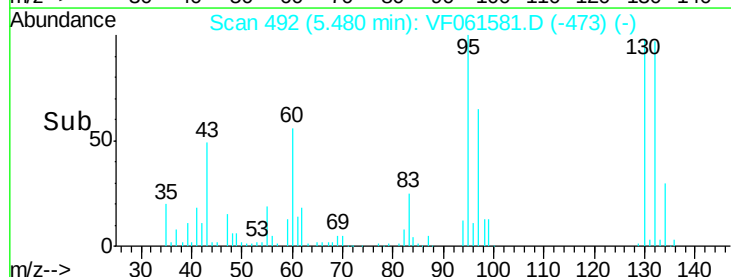
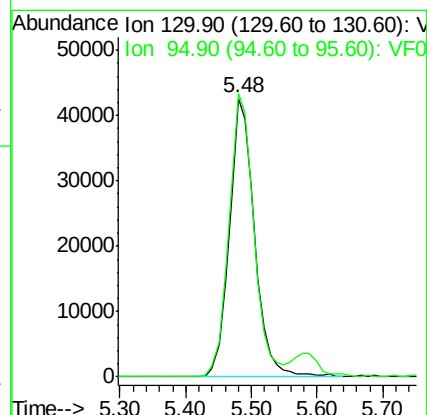
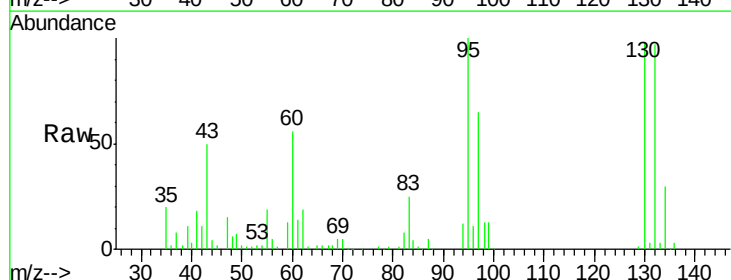
Acq: 11 Feb 2019 12:36

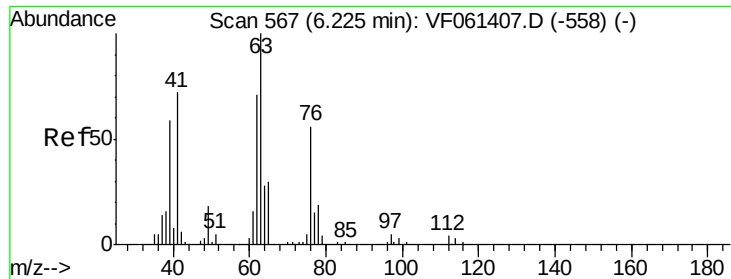
Tgt Ion:130 Resp: 113853

Ion Ratio Lower Upper

130 100

95 101.6 0.0 202.8





#45

1,2-Dichloropropane

Concen: 48.609 ug/l

RT: 6.21 min Scan# 566

Delta R.T. -0.02 min

Lab File: VF061581.D

Acq: 11 Feb 2019 12:36

Instrument :

MSVOA_F

ClientSampleId :

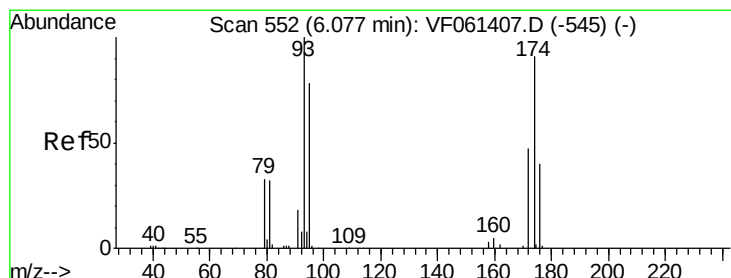
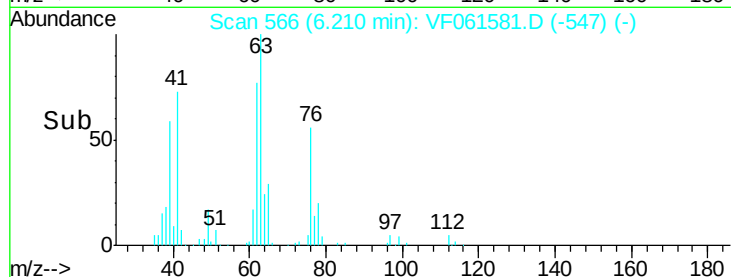
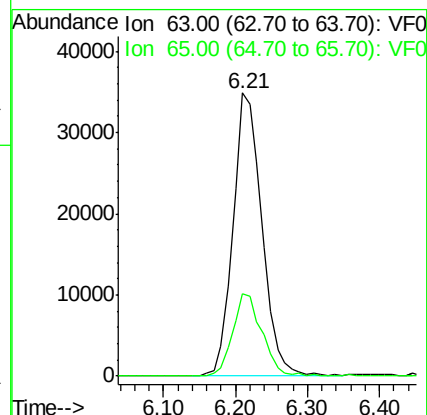
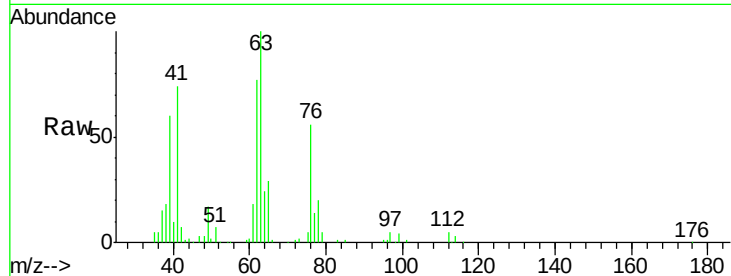
VSTDCCC050

Tot Ion: 63 Resp: 97549

Ion Ratio Lower Upper

63 100

65 29.1 24.4 36.6



#46

Dibromomethane

Concen: 48.203 ug/l

RT: 6.06 min Scan# 551

Delta R.T. -0.02 min

Lab File: VF061581.D

Acq: 11 Feb 2019 12:36

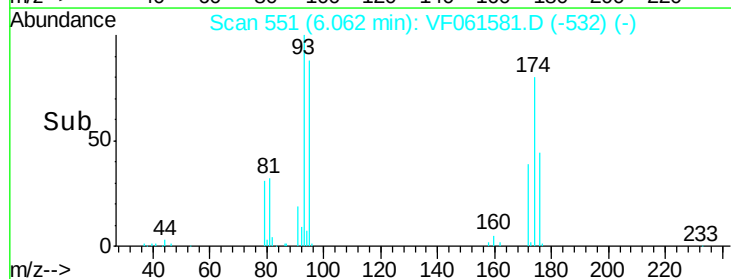
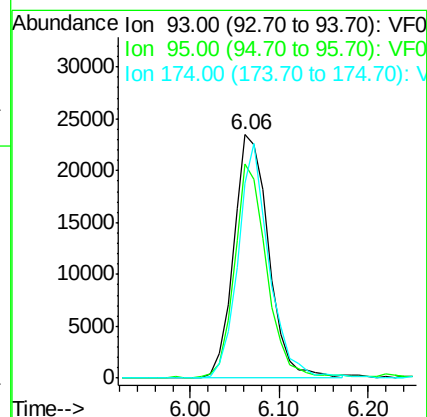
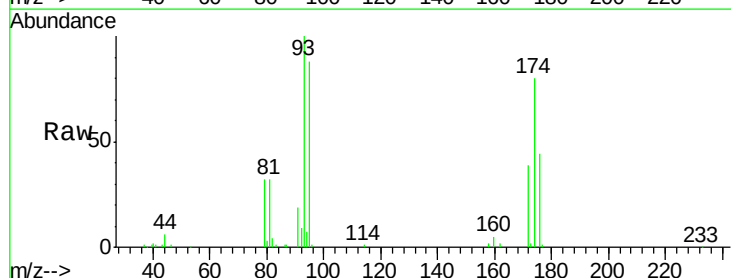
Tgt Ion: 93 Resp: 64322

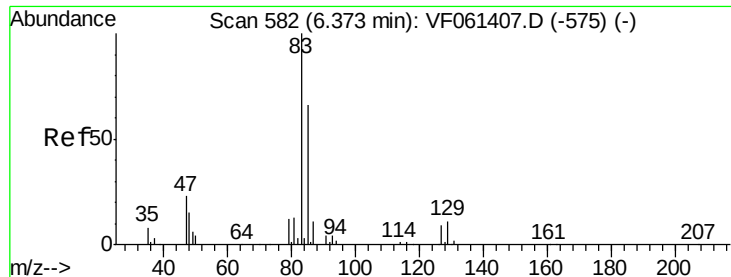
Ion Ratio Lower Upper

93 100

95 88.1 62.1 93.1

174 79.9 74.6 111.8





#47

Bromodichloromethane

Concen: 53.572 ug/l

RT: 6.37 min Scan# 582

Delta R.T. -0.01 min

Lab File: VF061581.D

Acq: 11 Feb 2019 12:36

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

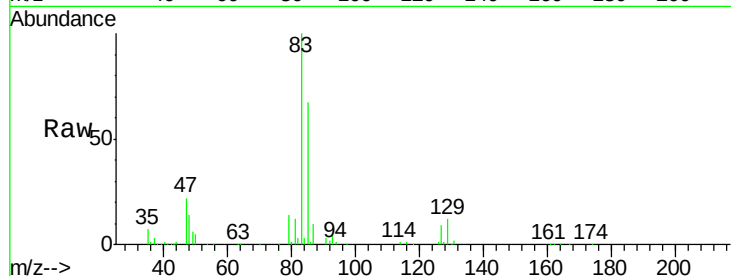
Tot Ion: 83 Resp: 176870

Ion Ratio Lower Upper

83 100

85 67.0 53.0 79.4

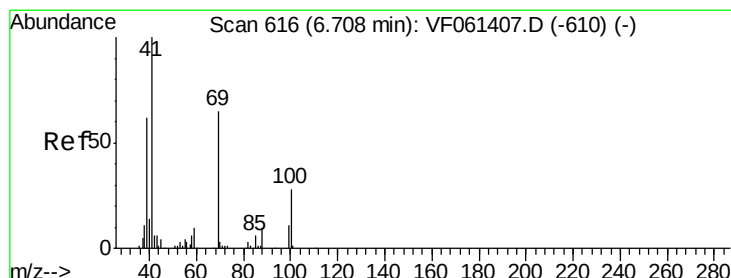
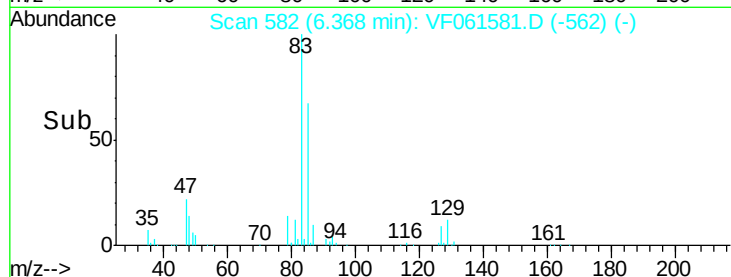
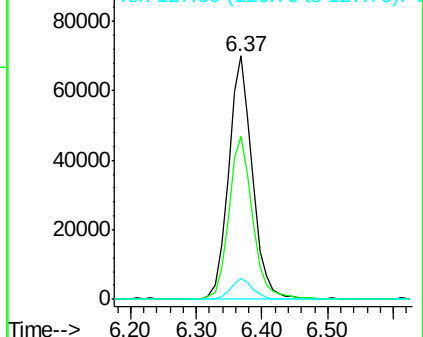
127 8.6 6.9 10.3



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 48.771 ug/l

RT: 6.69 min Scan# 615

Delta R.T. -0.02 min

Lab File: VF061581.D

Acq: 11 Feb 2019 12:36

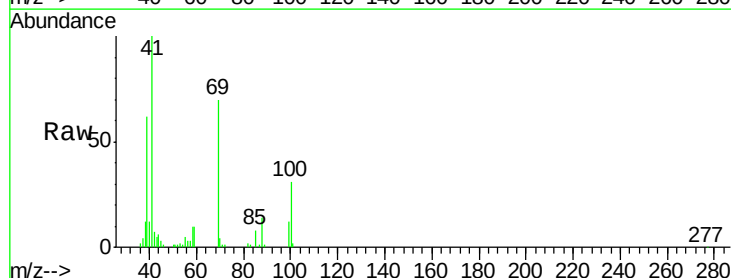
Tgt Ion: 41 Resp: 56459

Ion Ratio Lower Upper

41 100

69 69.8 51.7 77.5

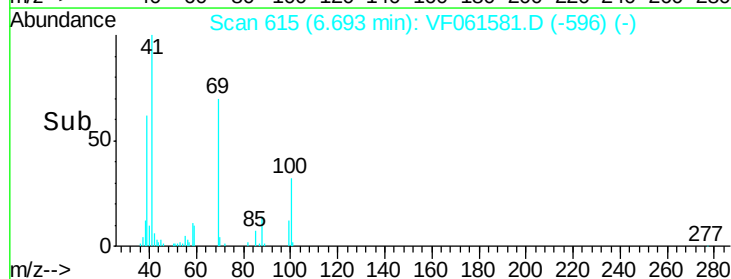
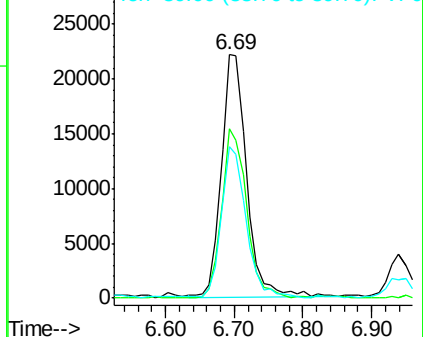
39 62.3 49.2 73.8

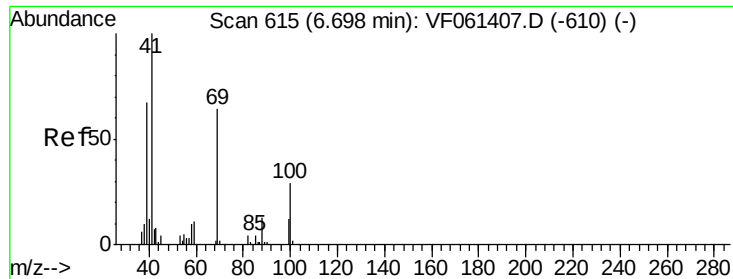


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 986.600 ug/l

RT: 6.69 min Scan# 615

Delta R.T. -0.00 min

Lab File: VF061581.D

Acq: 11 Feb 2019 12:36

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

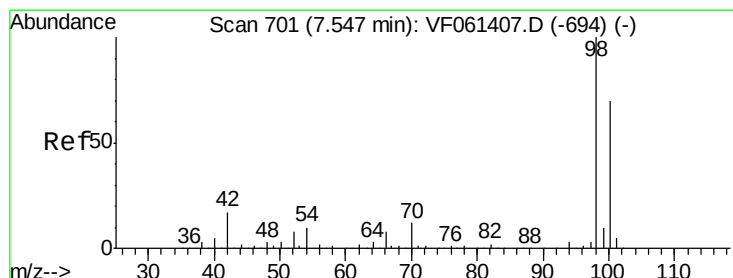
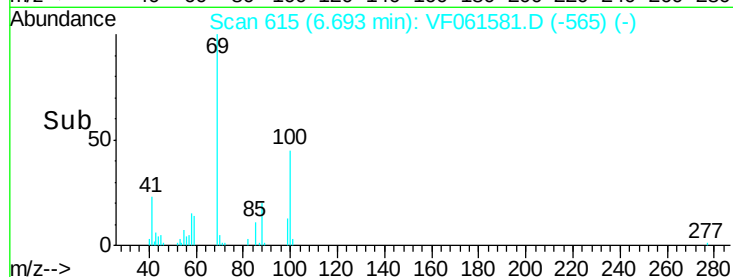
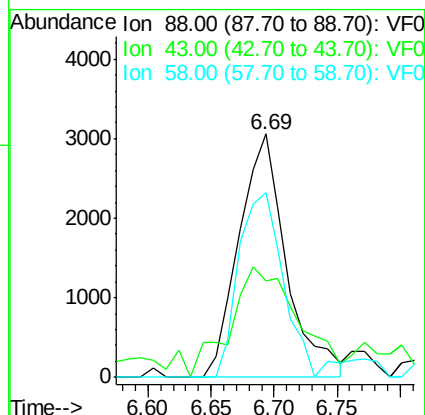
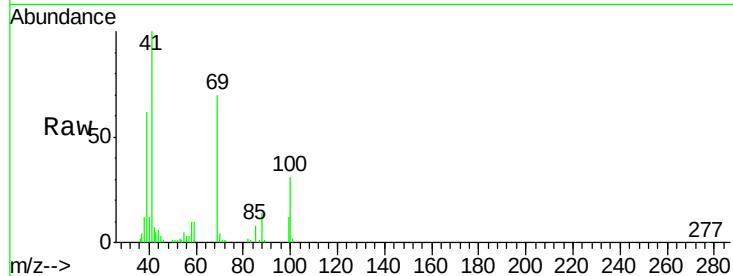
Tot Ion: 88 Resp: 7980

Ion Ratio Lower Upper

88 100

43 39.7 55.5 83.3#

58 75.7 59.9 89.9



#50

Toluene-d8

Concen: 54.189 ug/l

RT: 7.53 min Scan# 700

Delta R.T. -0.02 min

Lab File: VF061581.D

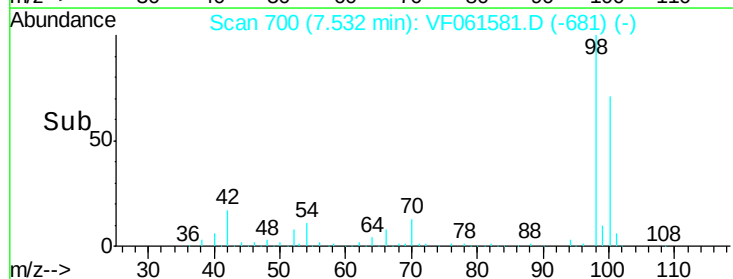
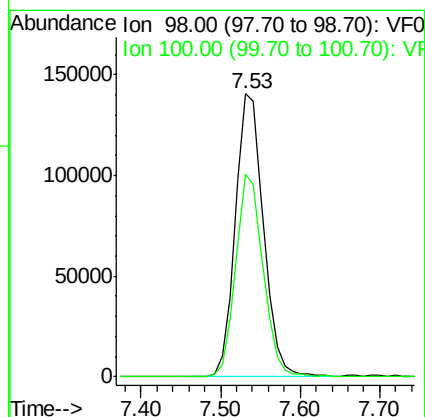
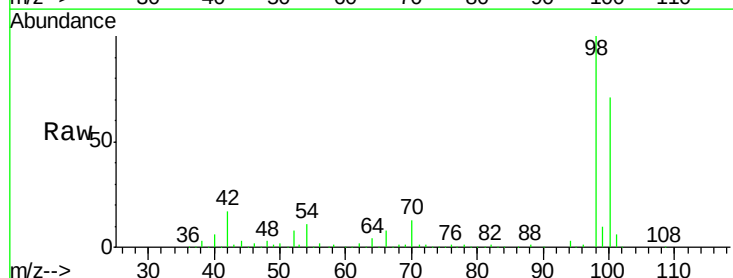
Acq: 11 Feb 2019 12:36

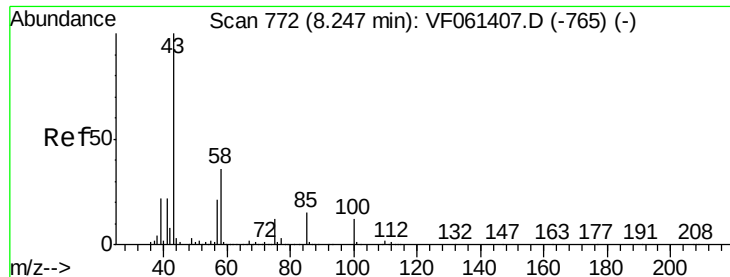
Tgt Ion: 98 Resp: 347211

Ion Ratio Lower Upper

98 100

100 71.5 55.6 83.4





#51

4-Methyl-2-Pentanone

Concen: 235.982 ug/l

RT: 8.24 min Scan# 772

Delta R.T. -0.01 min

Lab File: VF061581.D

Acq: 11 Feb 2019 12:36

Instrument :

MSVOA_F

ClientSampleId :

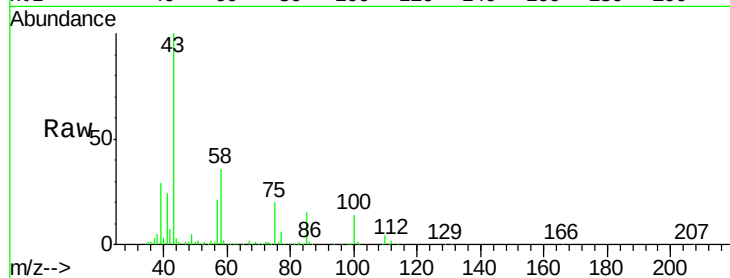
VSTDCCC050

Tot Ion: 43 Resp: 299077

Ion Ratio Lower Upper

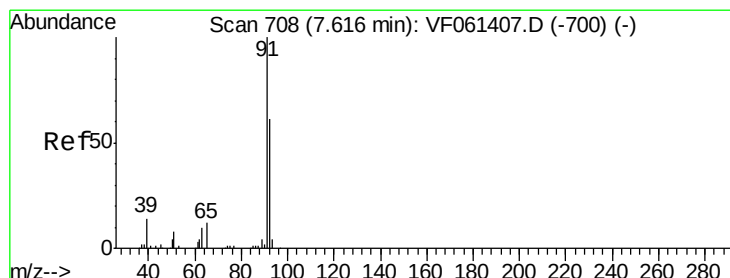
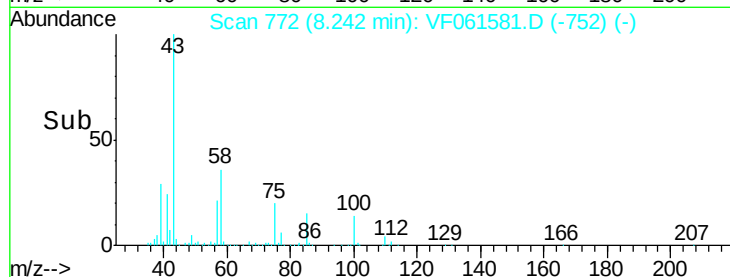
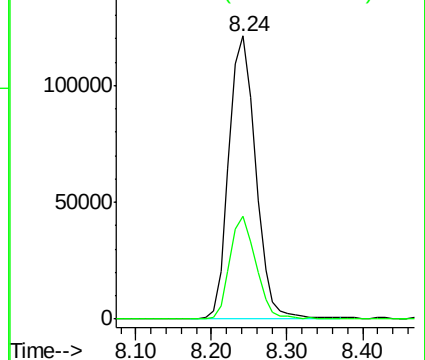
43 100

58 36.3 28.8 43.2



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 45.691 ug/l

RT: 7.61 min Scan# 708

Delta R.T. -0.01 min

Lab File: VF061581.D

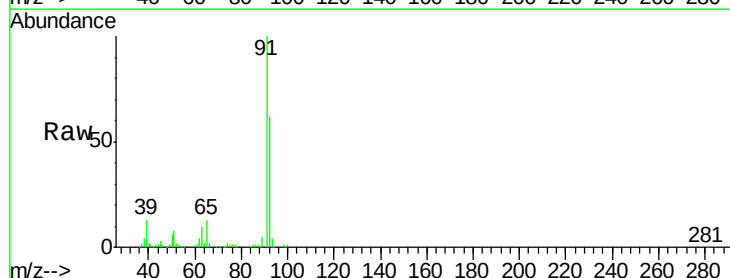
Acq: 11 Feb 2019 12:36

Tgt Ion: 92 Resp: 230070

Ion Ratio Lower Upper

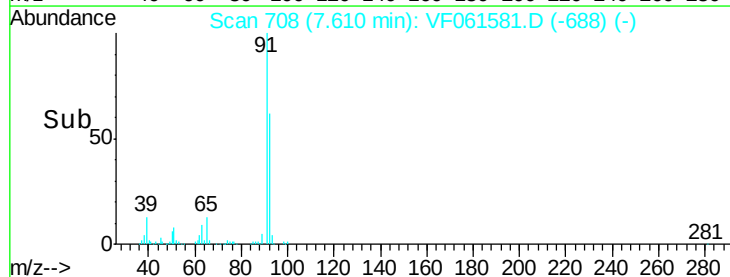
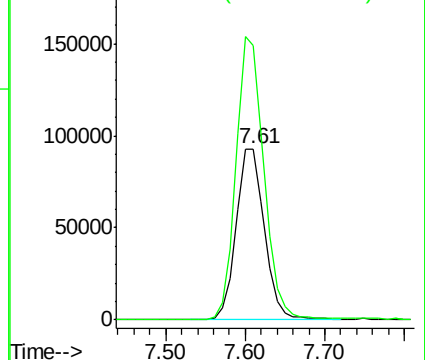
92 100

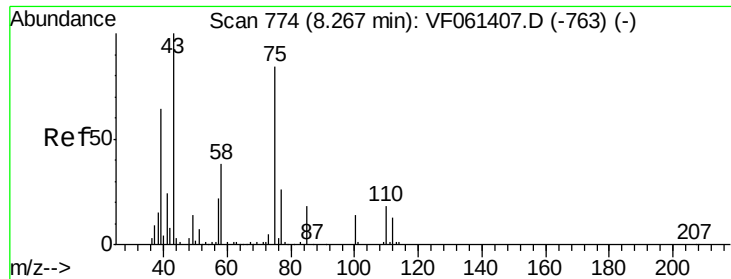
91 160.8 131.2 196.8



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 50.942 ug/l

RT: 8.26 min Scan# 774

Delta R.T. -0.01 min

Lab File: VF061581.D

Acq: 11 Feb 2019 12:36

Instrument :

MSVOA_F

ClientSampleId :

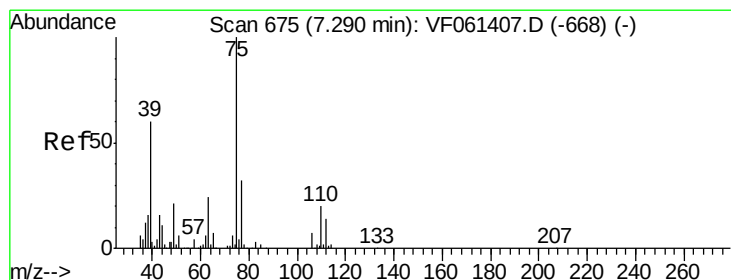
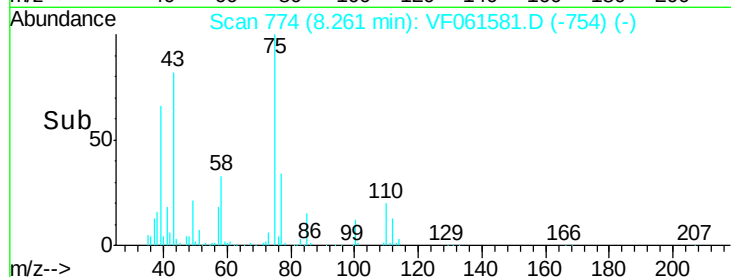
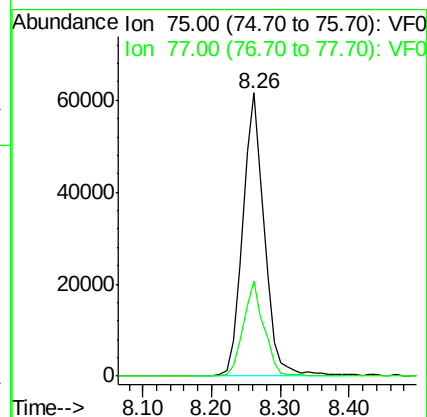
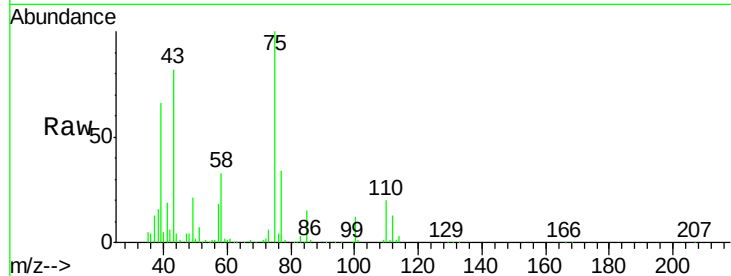
VSTDCCC050

Tot Ion: 75 Resp: 133551

Ion Ratio Lower Upper

75 100

77 33.6 24.4 36.6



#54

cis-1,3-Dichloropropene

Concen: 50.636 ug/l

RT: 7.28 min Scan# 675

Delta R.T. -0.01 min

Lab File: VF061581.D

Acq: 11 Feb 2019 12:36

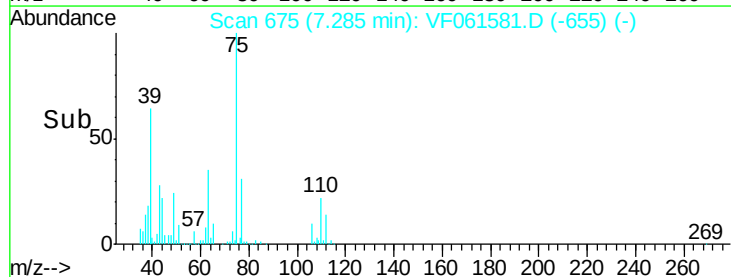
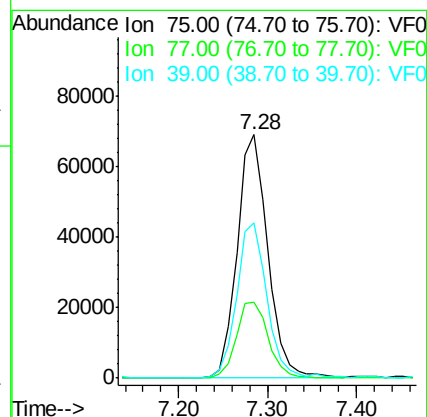
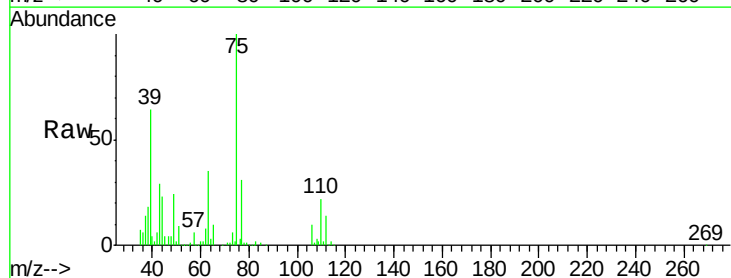
Tgt Ion: 75 Resp: 165931

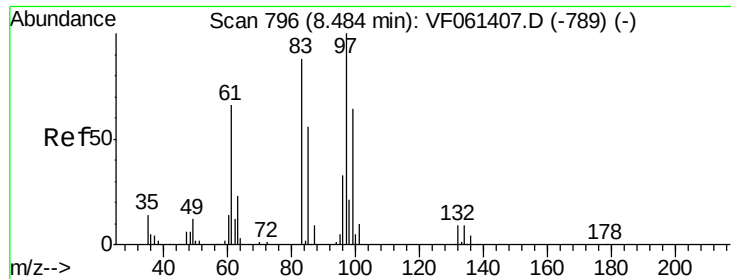
Ion Ratio Lower Upper

75 100

77 31.1 25.4 38.0

39 63.7 47.8 71.8





#55

1,1,2-Trichloroethane

Concen: 46.867 ug/l

RT: 8.47 min Scan# 795

Delta R.T. -0.02 min

Lab File: VF061581.D

Acq: 11 Feb 2019 12:36

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 67015

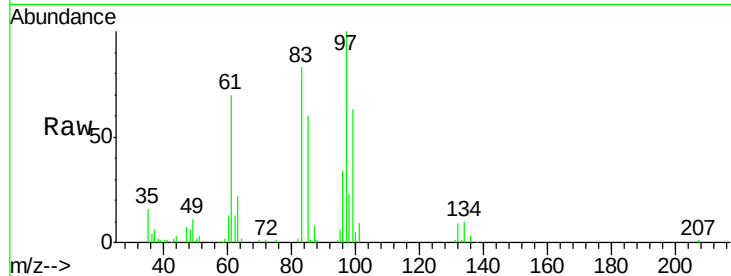
Ion Ratio Lower Upper

97 100

83 83.4 70.4 105.6

85 59.8 44.7 67.1

99 63.3 50.8 76.2

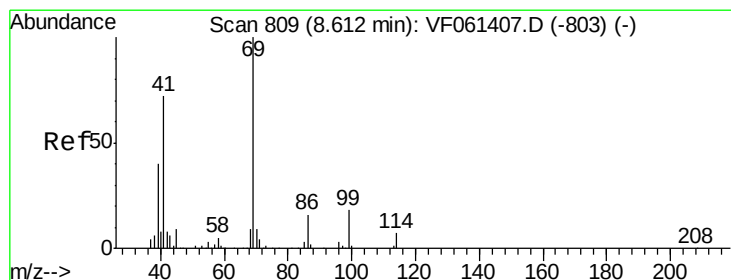
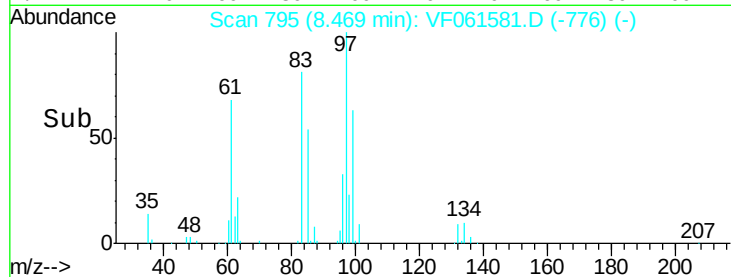
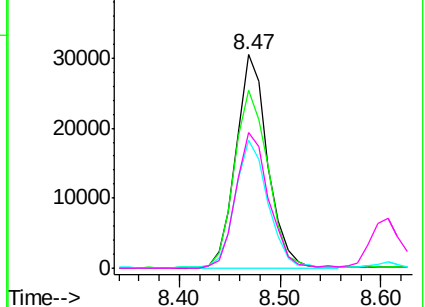


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 47.934 ug/l

RT: 8.60 min Scan# 808

Delta R.T. -0.02 min

Lab File: VF061581.D

Acq: 11 Feb 2019 12:36

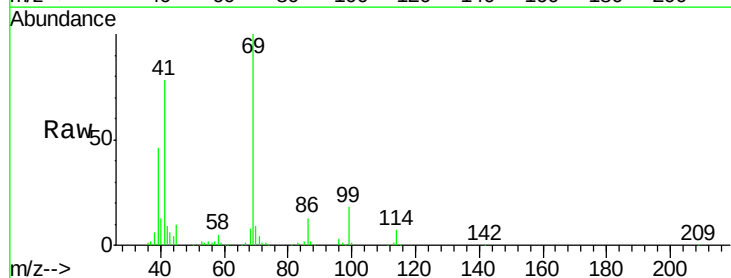
Tgt Ion: 69 Resp: 79742

Ion Ratio Lower Upper

69 100

41 78.3 57.5 86.3

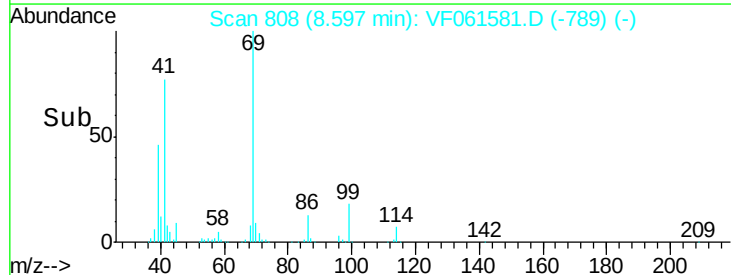
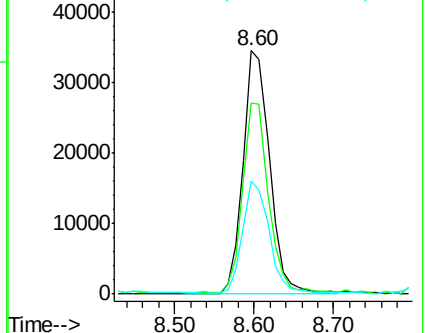
39 46.5 32.0 48.0

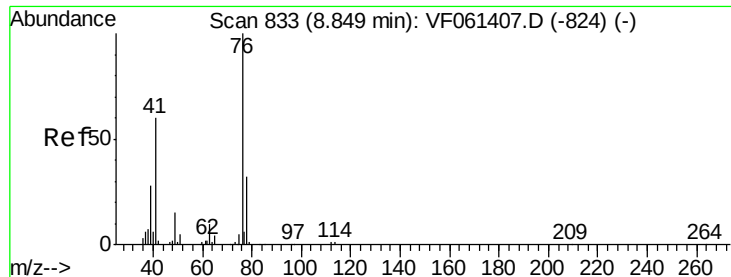


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 48.772 ug/l

RT: 8.83 min Scan# 832

Delta R.T. -0.02 min

Lab File: VF061581.D

Acq: 11 Feb 2019 12:36

Instrument :

MSVOA_F

ClientSampleId :

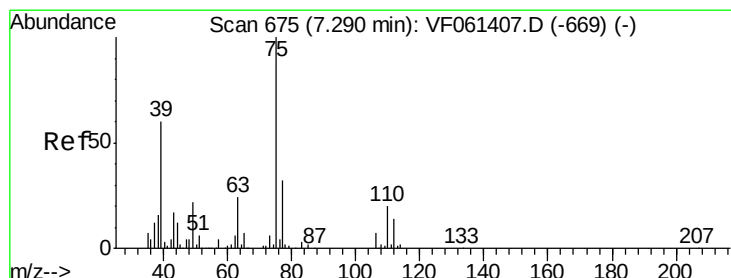
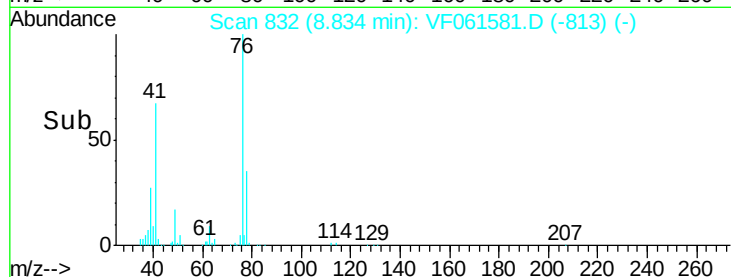
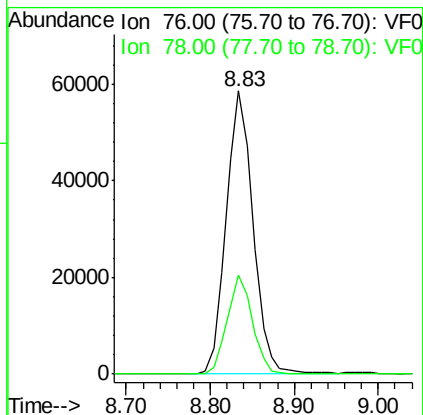
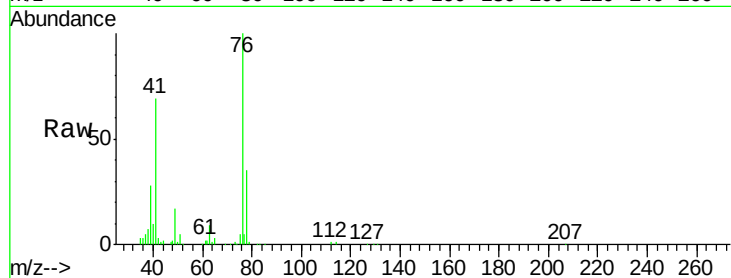
VSTDCCC050

Tot Ion: 76 Resp: 130715

Ion Ratio Lower Upper

76 100

78 35.0 25.3 37.9



#58

2-Chloroethyl Vinyl ether

Concen: 354.786 ug/l

RT: 7.28 min Scan# 674

Delta R.T. -0.01 min

Lab File: VF061581.D

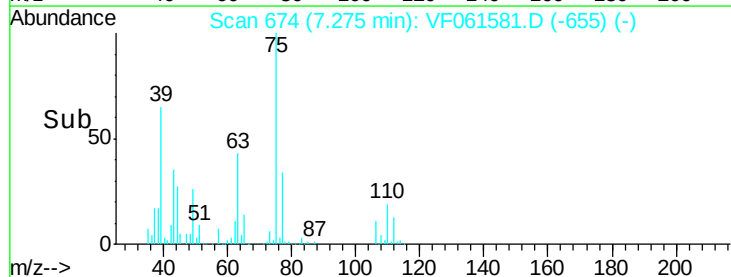
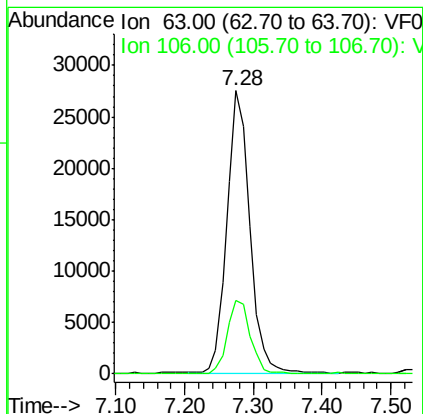
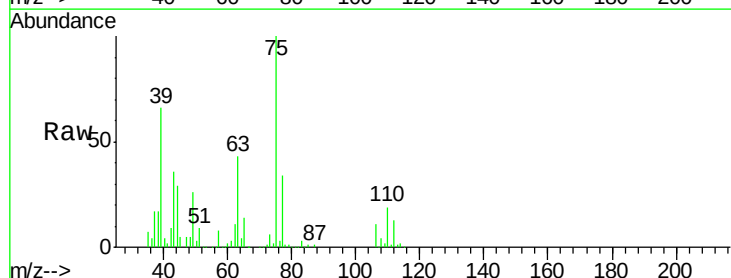
Acq: 11 Feb 2019 12:36

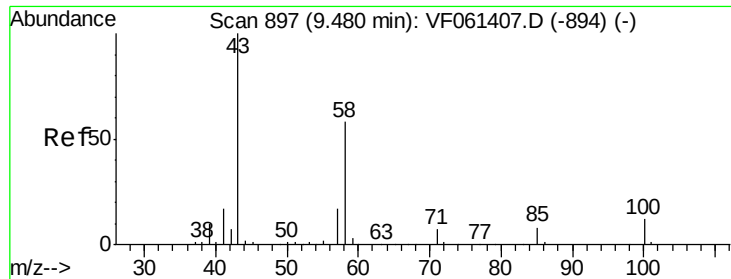
Tgt Ion: 63 Resp: 64152

Ion Ratio Lower Upper

63 100

106 25.9 21.9 32.9

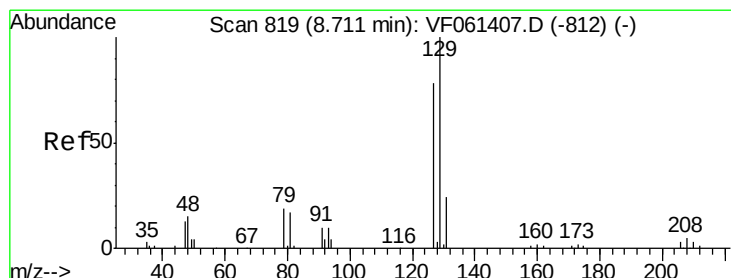
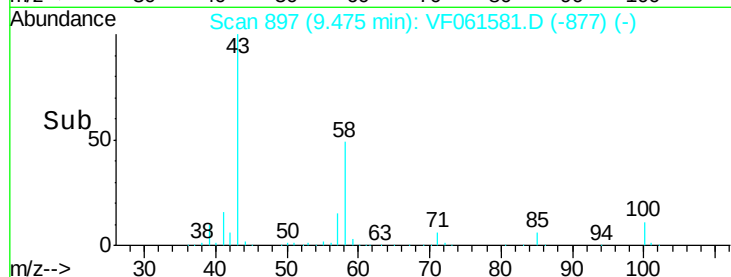
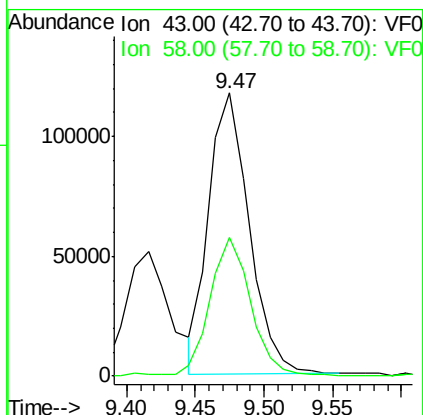
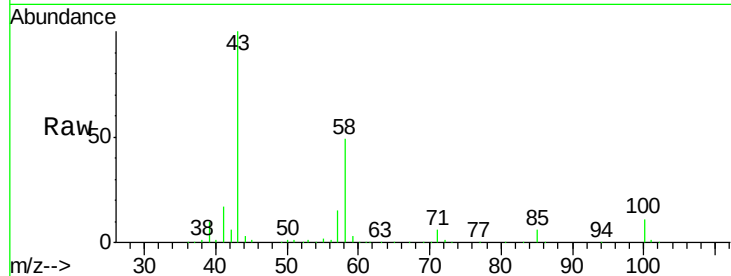




#59
2-Hexanone
Concen: 271.283 ug/l
RT: 9.47 min Scan# 897
Delta R.T. -0.01 min
Lab File: VF061581.D
Acq: 11 Feb 2019 12:36

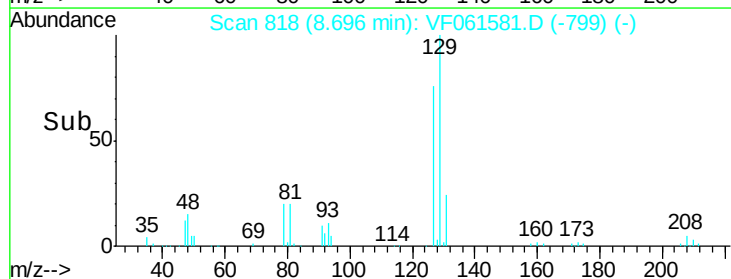
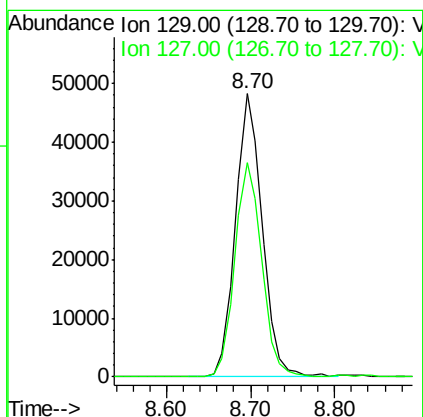
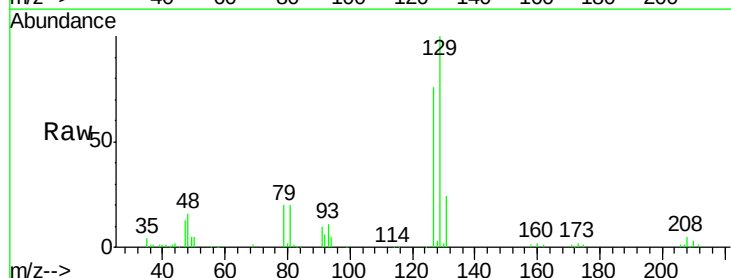
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

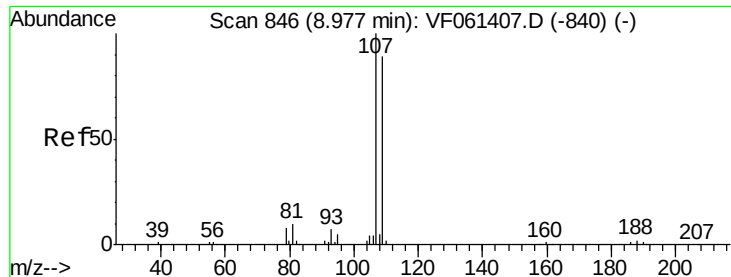
Tot Ion: 43 Resp: 239750
Ion Ratio Lower Upper
43 100
58 49.2 25.9 77.6



#60
Dibromochloromethane
Concen: 51.153 ug/l
RT: 8.70 min Scan# 818
Delta R.T. -0.02 min
Lab File: VF061581.D
Acq: 11 Feb 2019 12:36

Tgt Ion: 129 Resp: 106931
Ion Ratio Lower Upper
129 100
127 75.7 39.1 117.2





#61

1,2-Dibromoethane

Concen: 47.284 ug/l

RT: 8.97 min Scan# 846

Delta R.T. -0.01 min

Lab File: VF061581.D

Acq: 11 Feb 2019 12:36

Instrument :

MSVOA_F

ClientSampleId :

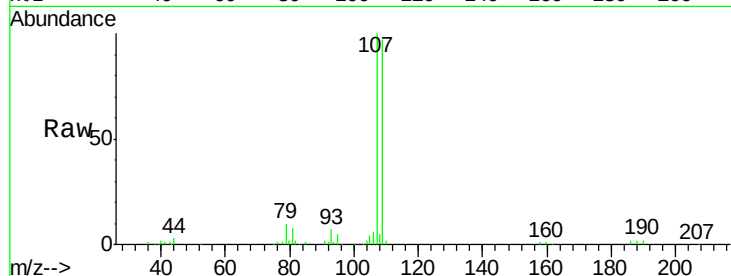
VSTDCCC050

Tot Ion:107 Resp: 77400

Ion Ratio Lower Upper

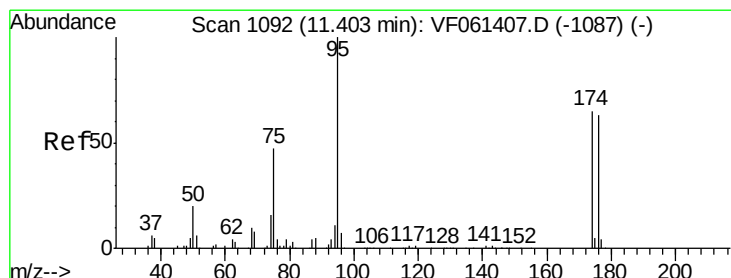
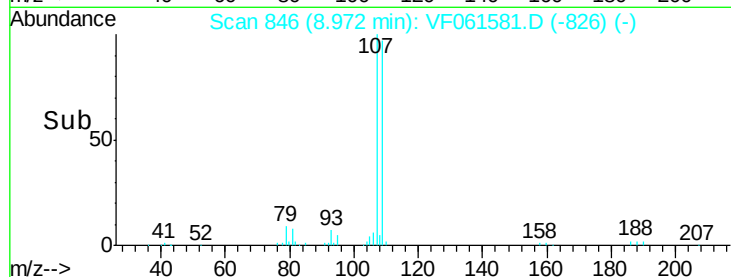
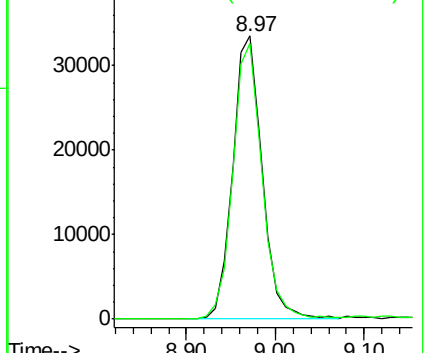
107 100

109 97.5 70.8 106.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 51.704 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.01 min

Lab File: VF061581.D

Acq: 11 Feb 2019 12:36

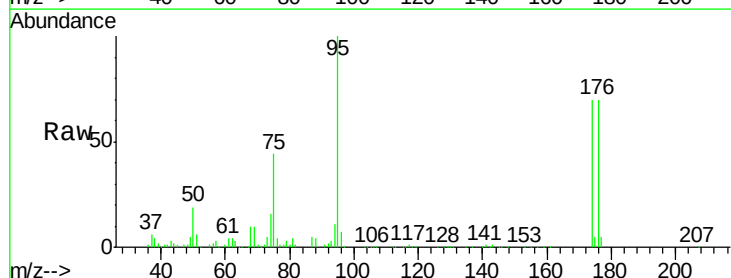
Tgt Ion: 95 Resp: 154787

Ion Ratio Lower Upper

95 100

174 69.8 0.0 130.4

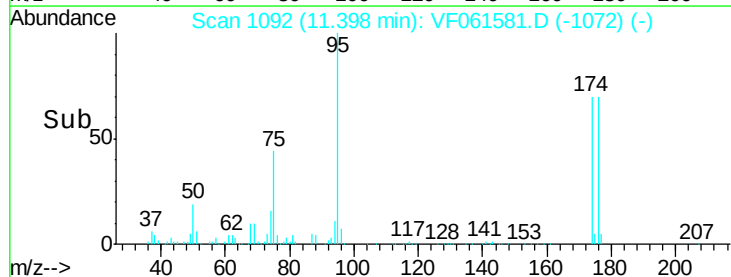
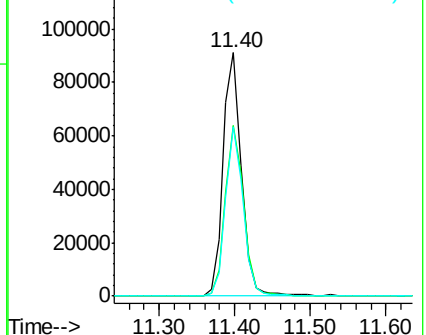
176 69.5 0.0 126.2

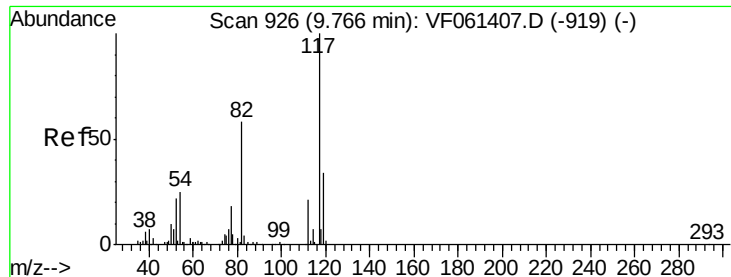


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.76 min Scan# 926

Delta R.T. -0.01 min

Lab File: VF061581.D

Acq: 11 Feb 2019 12:36

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

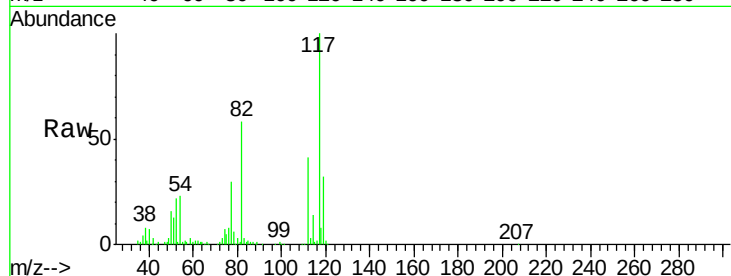
Tot Ion:117 Resp: 278745

Ion Ratio Lower Upper

117 100

82 57.5 46.4 69.6

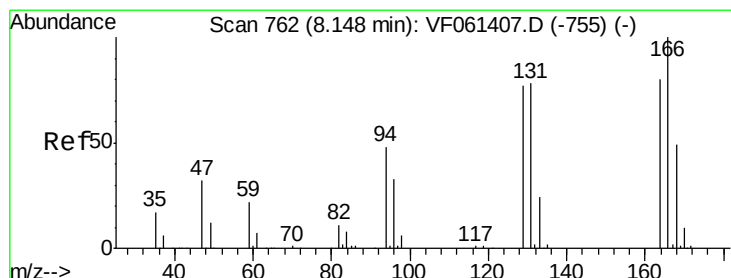
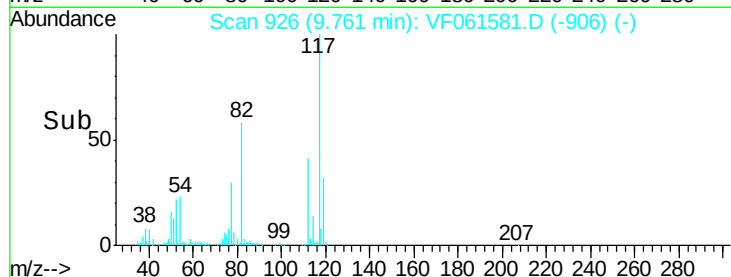
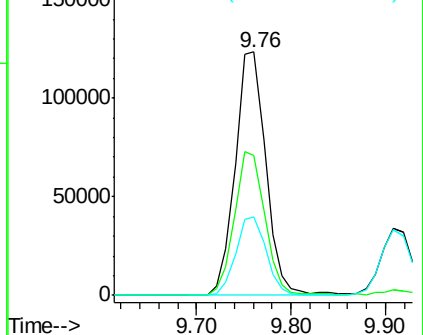
119 32.0 27.2 40.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): V

Ion 119.00 (118.70 to 119.70): V



#64

Tetrachloroethene

Concen: 46.644 ug/l

RT: 8.13 min Scan# 761

Delta R.T. -0.02 min

Lab File: VF061581.D

Acq: 11 Feb 2019 12:36

Tgt Ion:164 Resp: 97775

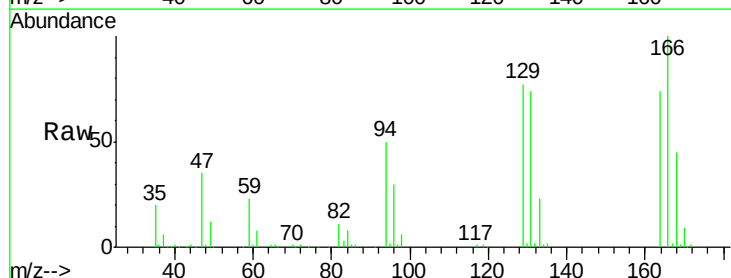
Ion Ratio Lower Upper

164 100

166 136.0 99.6 149.4

129 104.6 76.4 114.6

131 100.4 77.9 116.9

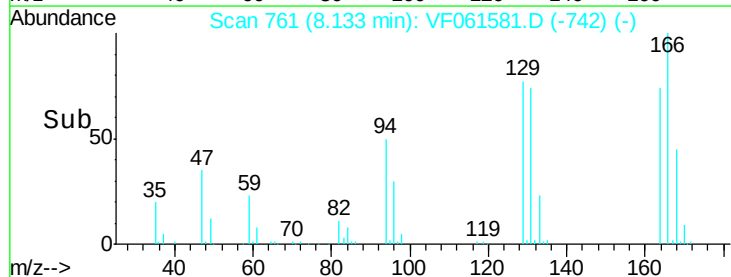
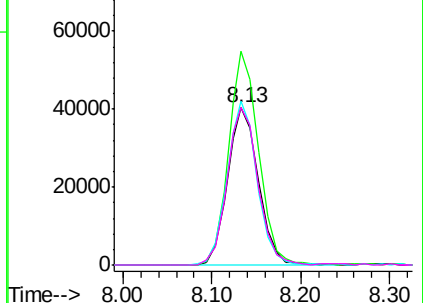


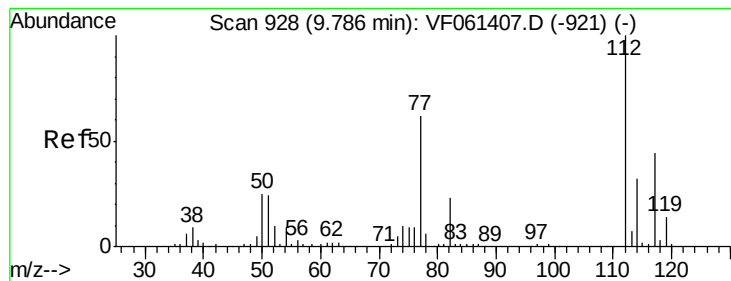
Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V





#65

Chlorobenzene

Concen: 48.139 ug/l

RT: 9.78 min Scan# 928

Delta R.T. -0.01 min

Lab File: VF061581.D

Acq: 11 Feb 2019 12:36

Instrument :

MSVOA_F

ClientSampleId :

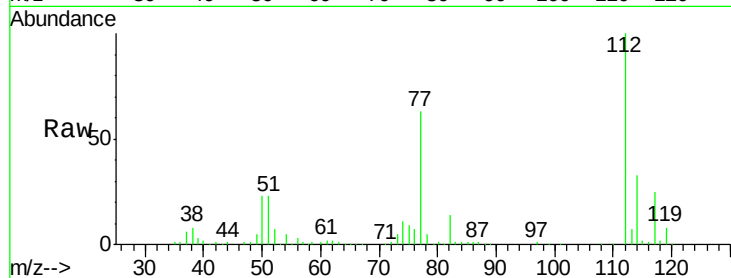
VSTDCCC050

Tot Ion:112 Resp: 272873

Ion Ratio Lower Upper

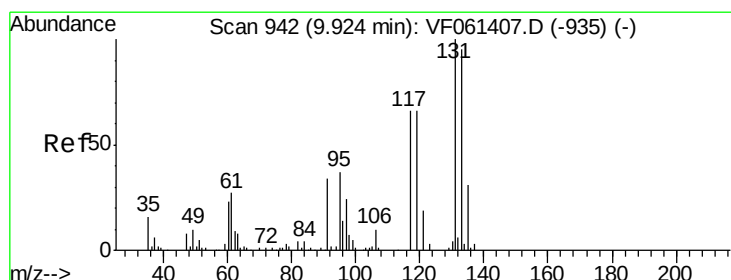
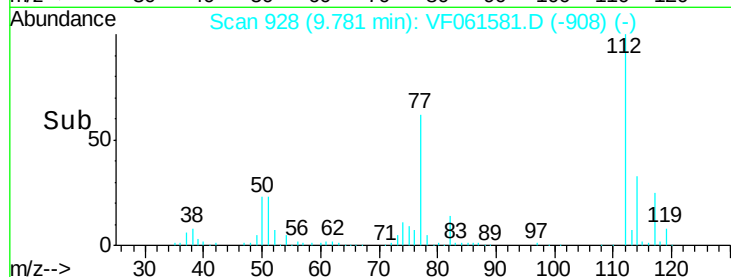
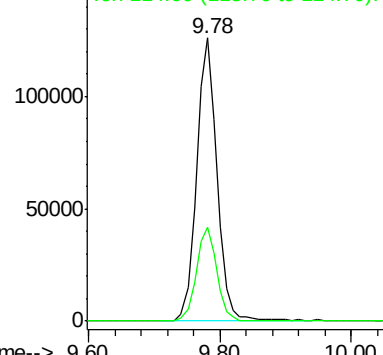
112 100

114 33.3 25.4 38.0



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 51.629 ug/l

RT: 9.91 min Scan# 941

Delta R.T. -0.02 min

Lab File: VF061581.D

Acq: 11 Feb 2019 12:36

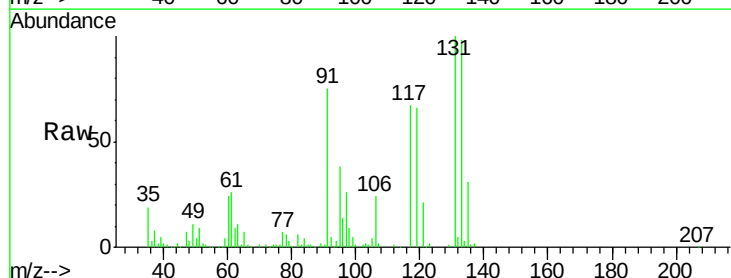
Tgt Ion:131 Resp: 116585

Ion Ratio Lower Upper

131 100

133 97.9 47.4 142.2

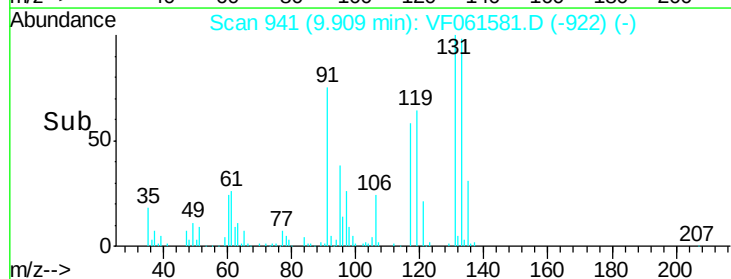
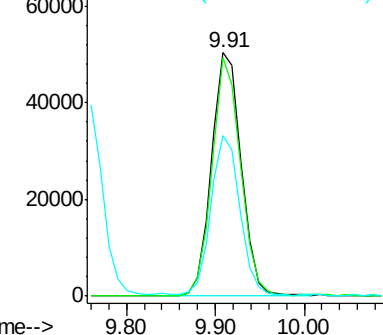
119 66.0 33.1 99.3

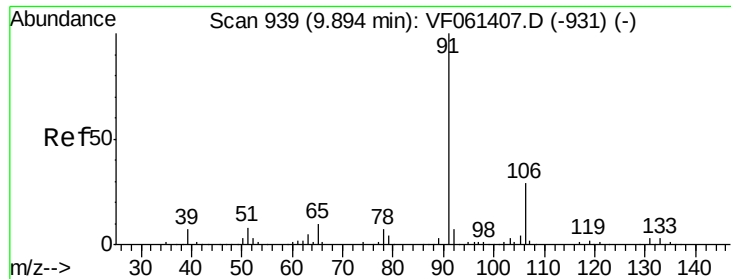


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#67

Ethyl Benzene

Concen: 48.657 ug/l

RT: 9.88 min Scan# 938

Delta R.T. -0.02 min

Lab File: VF061581.D

Acq: 11 Feb 2019 12:36

Instrument :

MSVOA_F

ClientSampleId :

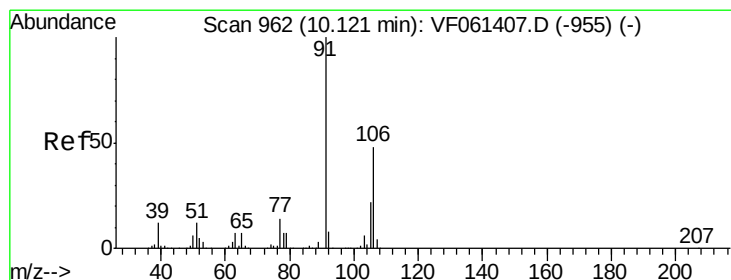
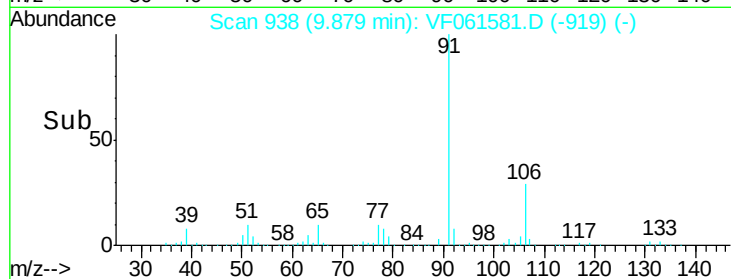
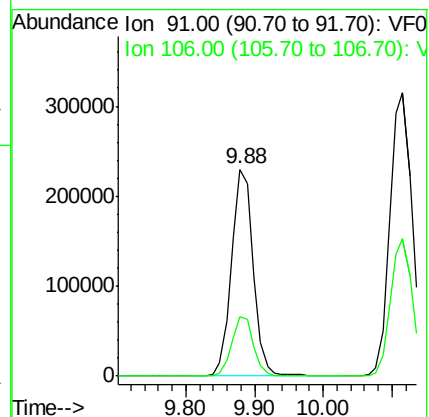
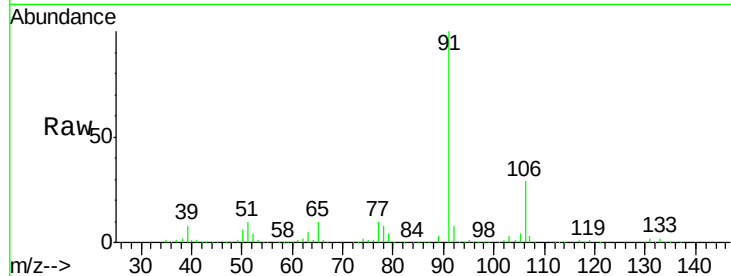
VSTDCCC050

Tot Ion: 91 Resp: 503914

Ion Ratio Lower Upper

91 100

106 28.5 23.1 34.7



#68

m/p-Xylenes

Concen: 91.119 ug/l

RT: 10.12 min Scan# 962

Delta R.T. -0.01 min

Lab File: VF061581.D

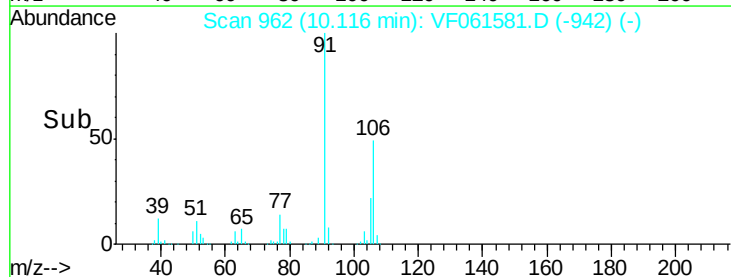
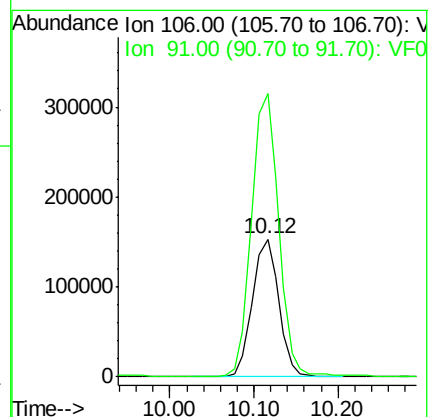
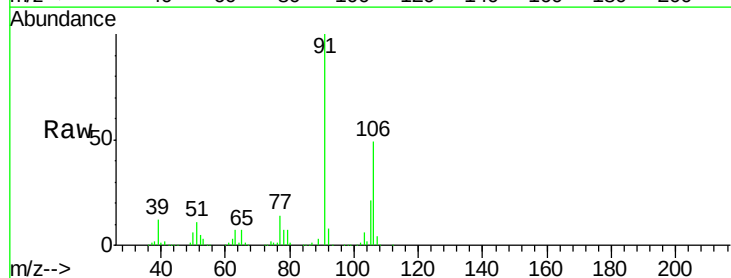
Acq: 11 Feb 2019 12:36

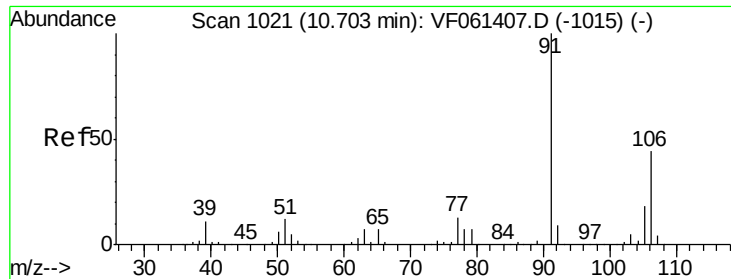
Tgt Ion: 106 Resp: 339413

Ion Ratio Lower Upper

106 100

91 205.9 166.2 249.4

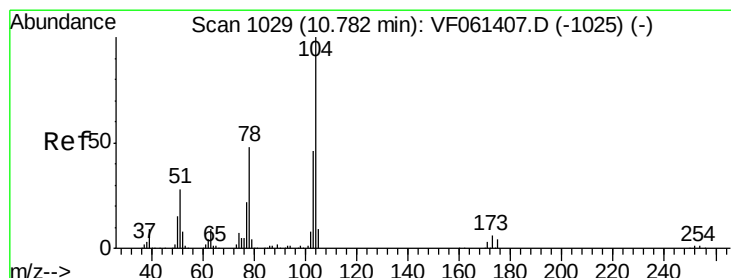
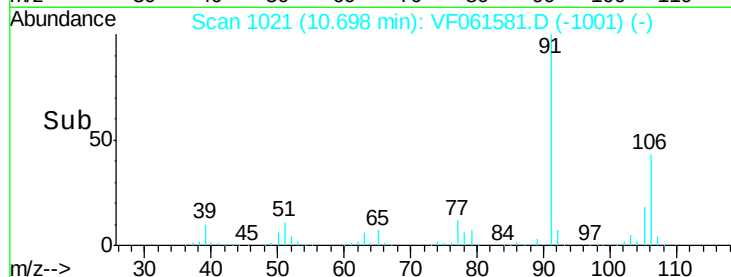
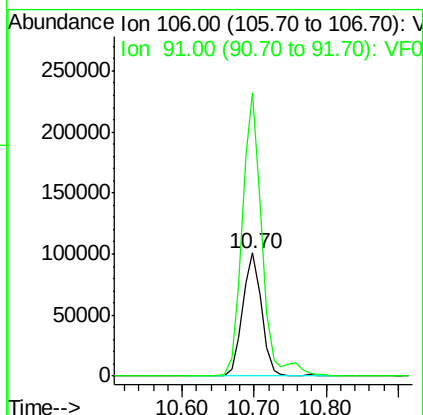
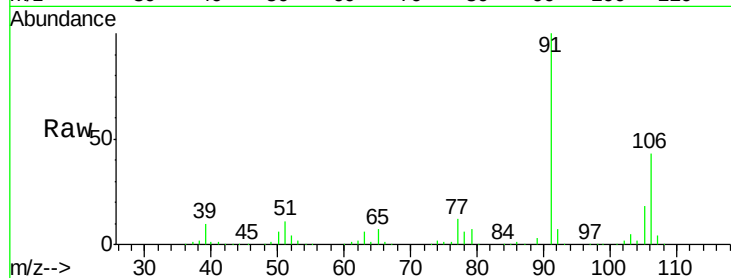




#69
o-Xylene
Concen: 46.570 ug/l
RT: 10.70 min Scan# 1021
Delta R.T. -0.01 min
Lab File: VF061581.D
Acq: 11 Feb 2019 12:36

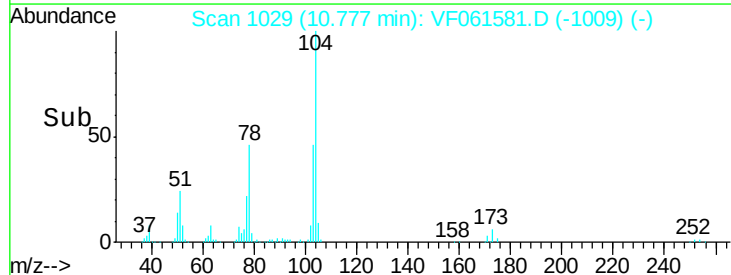
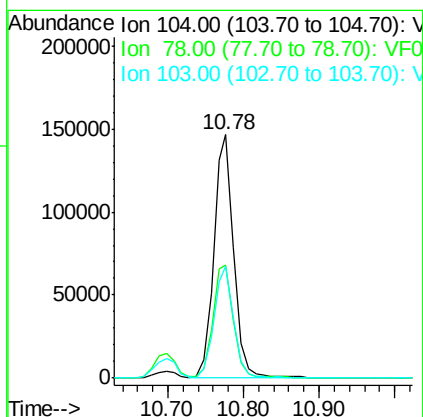
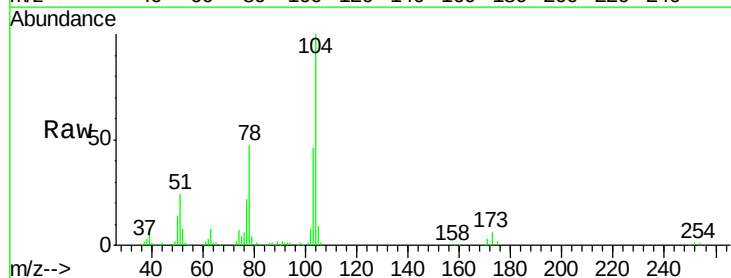
Instrument :
MSVOA_F
ClientSampled :
VSTDCCC050

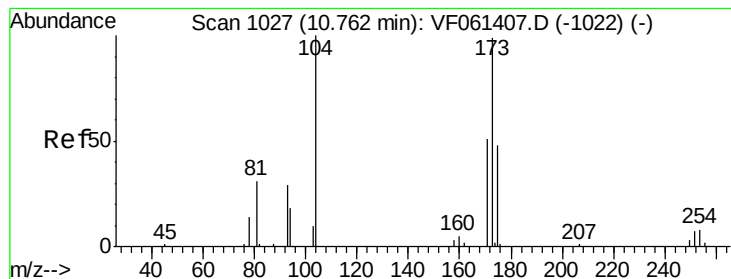
Tot Ion:106 Resp: 188008
Ion Ratio Lower Upper
106 100
91 229.9 113.3 339.8



#70
Styrene
Concen: 48.619 ug/l
RT: 10.78 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VF061581.D
Acq: 11 Feb 2019 12:36

Tgt Ion:104 Resp: 268680
Ion Ratio Lower Upper
104 100
78 46.6 38.8 58.2
103 45.8 37.0 55.6





#71

Bromoform

Concen: 54.549 ug/l

RT: 10.76 min Scan# 1027

Delta R.T. -0.01 min

Lab File: VF061581.D

Acq: 11 Feb 2019 12:36

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

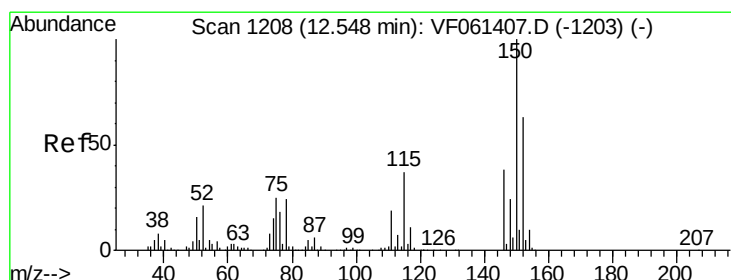
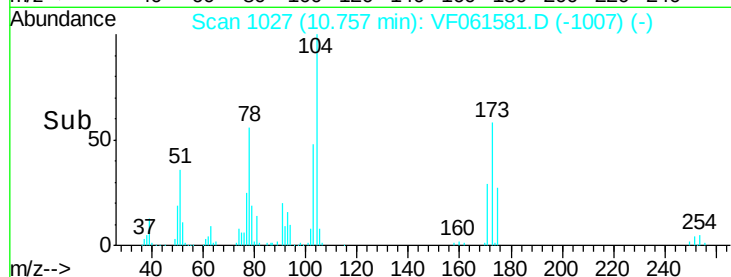
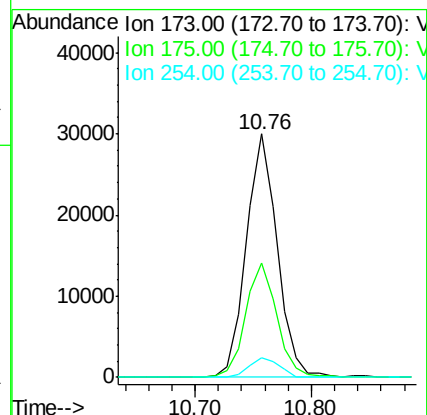
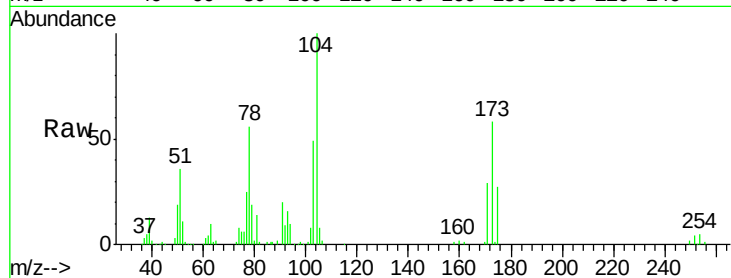
Tot Ion:173 Resp: 55345

Ion Ratio Lower Upper

173 100

175 46.9 24.1 72.4

254 7.9 0.0 0.0#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.54 min Scan# 1208

Delta R.T. -0.01 min

Lab File: VF061581.D

Acq: 11 Feb 2019 12:36

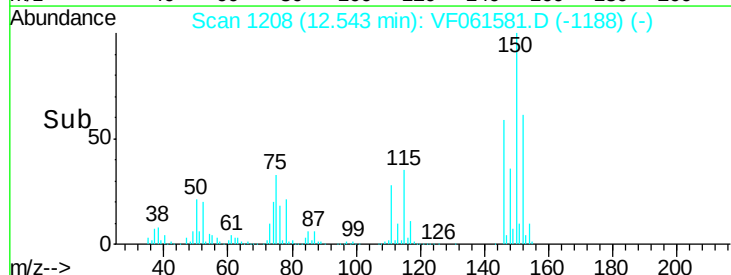
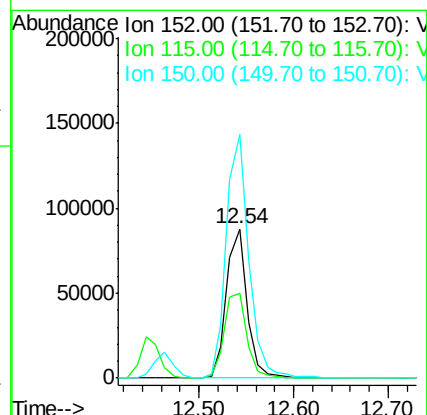
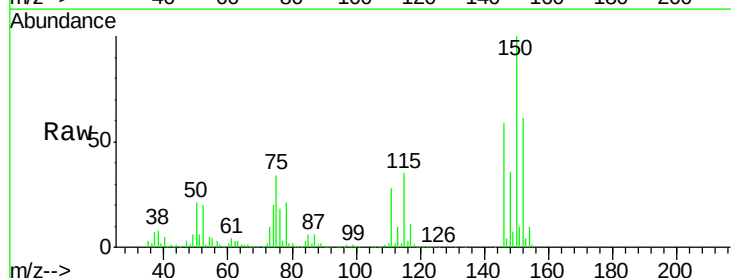
Tgt Ion:152 Resp: 133922

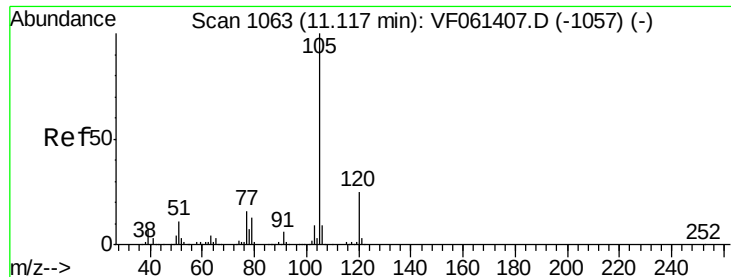
Ion Ratio Lower Upper

152 100

115 57.3 30.0 90.0

150 163.3 0.0 321.4





#73

Isopropylbenzene

Concen: 53.211 ug/l

RT: 11.11 min Scan# 1063

Delta R.T. -0.01 min

Lab File: VF061581.D

Acq: 11 Feb 2019 12:36

Instrument :

MSVOA_F

ClientSampleId :

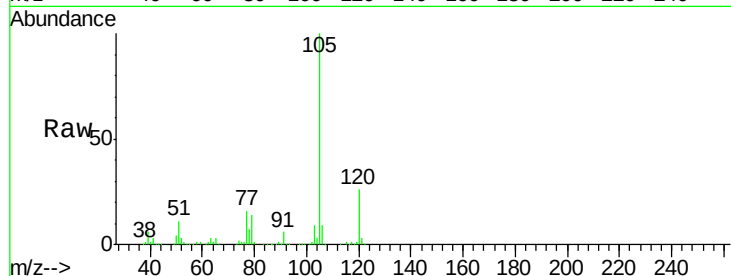
VSTDCCC050

Tot Ion:105 Resp: 579576

Ion Ratio Lower Upper

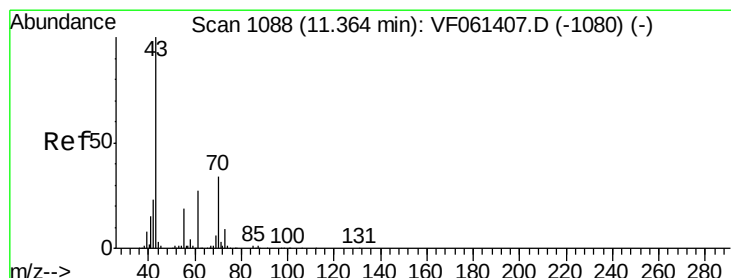
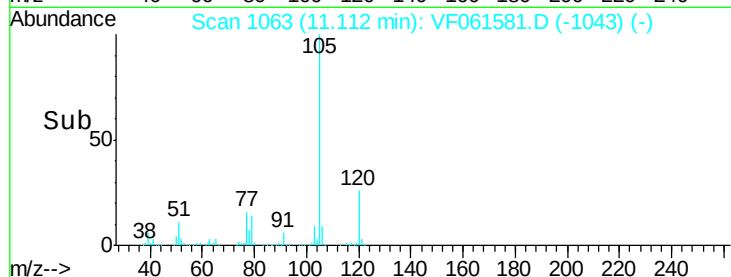
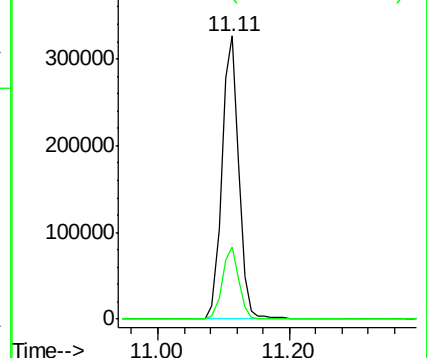
105 100

120 25.6 12.6 37.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 58.011 ug/l

RT: 11.36 min Scan# 1088

Delta R.T. -0.01 min

Lab File: VF061581.D

Acq: 11 Feb 2019 12:36

Tgt Ion: 43 Resp: 149413

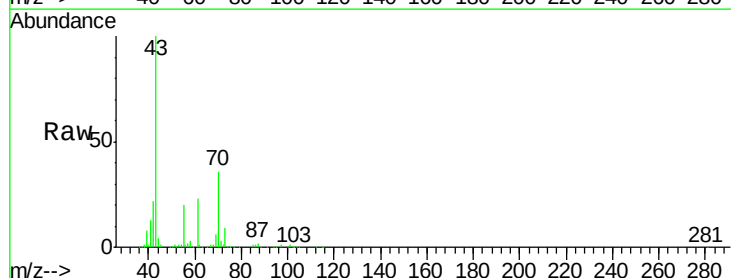
Ion Ratio Lower Upper

43 100

70 36.3 27.6 41.4

55 20.4 15.4 23.2

61 22.7 21.8 32.6

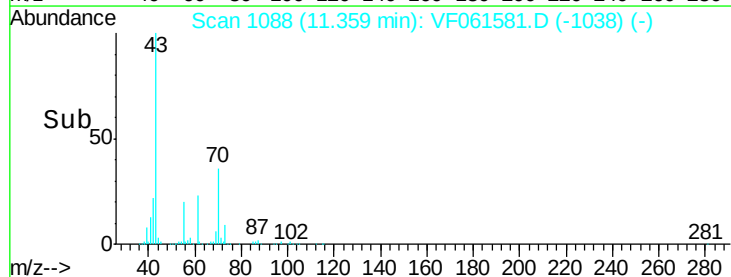
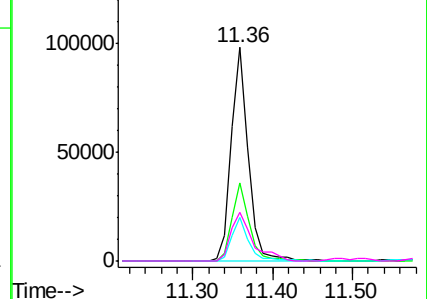


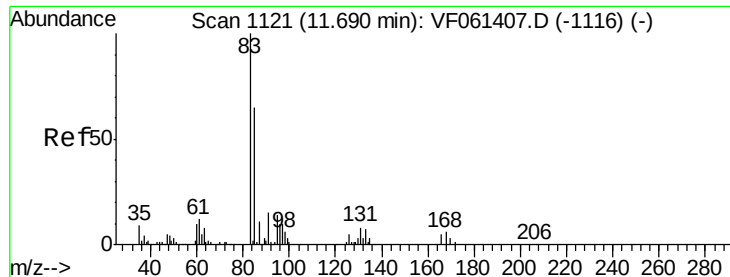
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 50.418 ug/l

RT: 11.68 min Scan# 1121

Delta R.T. -0.01 min

Lab File: VF061581.D

Acq: 11 Feb 2019 12:36

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

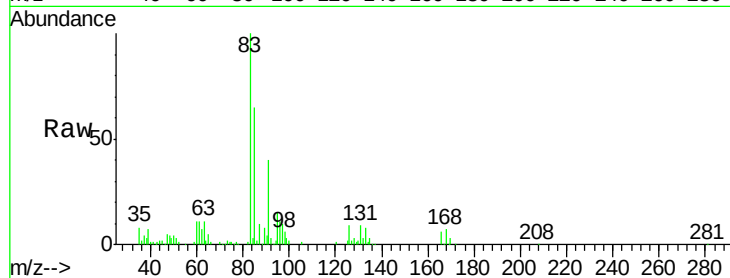
Tot Ion: 83 Resp: 97831

Ion Ratio Lower Upper

83 100

131 8.5 4.0 12.2

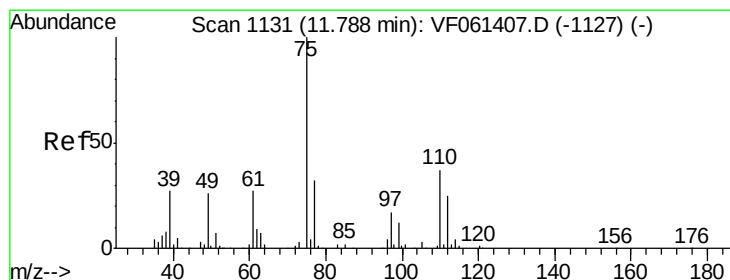
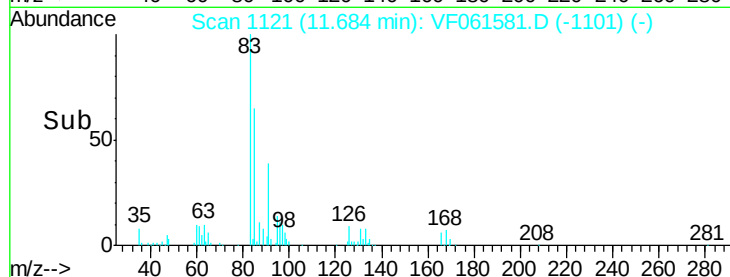
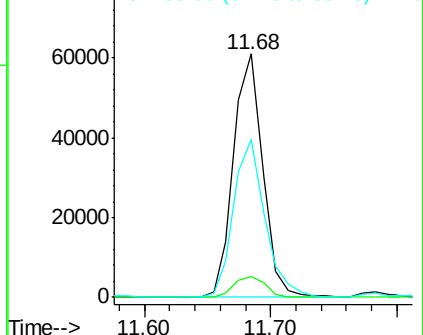
85 64.6 32.7 98.1



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): VF0

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 50.425 ug/l

RT: 11.78 min Scan# 1131

Delta R.T. -0.01 min

Lab File: VF061581.D

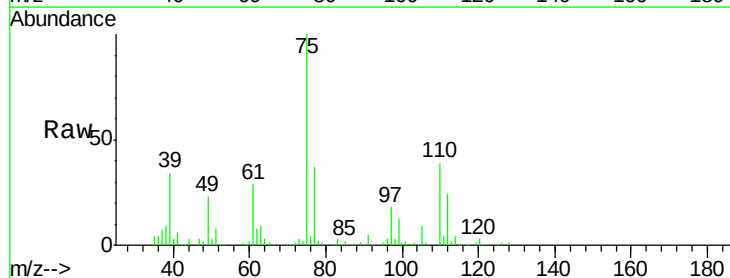
Acq: 11 Feb 2019 12:36

Tgt Ion: 75 Resp: 70306

Ion Ratio Lower Upper

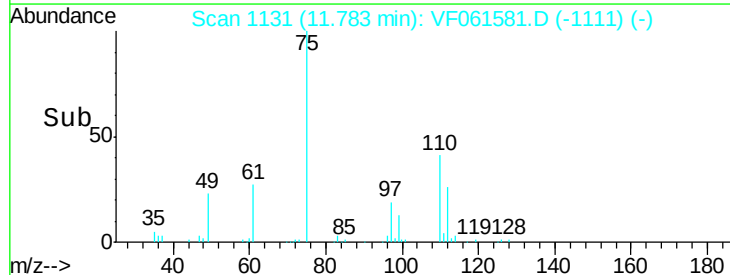
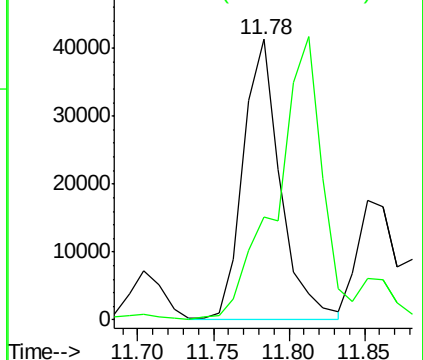
75 100

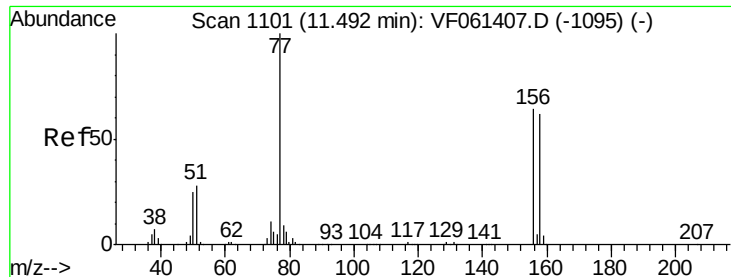
77 36.6 16.1 48.3



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 51.300 ug/l

RT: 11.48 min Scan# 1100

Delta R.T. -0.02 min

Lab File: VF061581.D

Acq: 11 Feb 2019 12:36

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

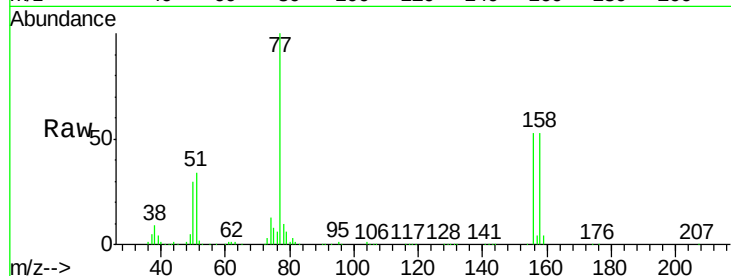
Tot Ion:156 Resp: 118006

Ion Ratio Lower Upper

156 100

77 187.7 78.3 234.9

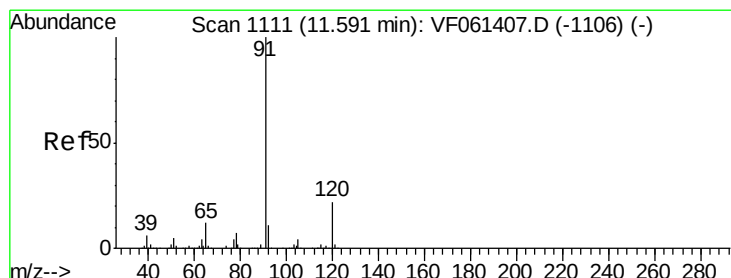
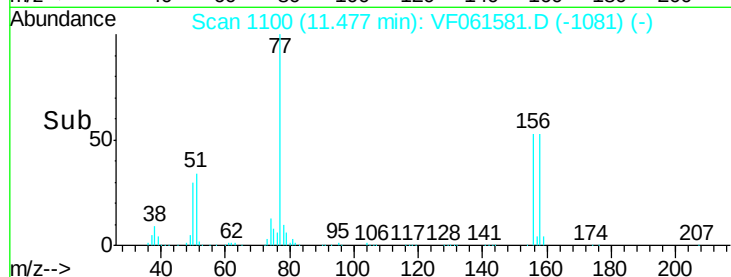
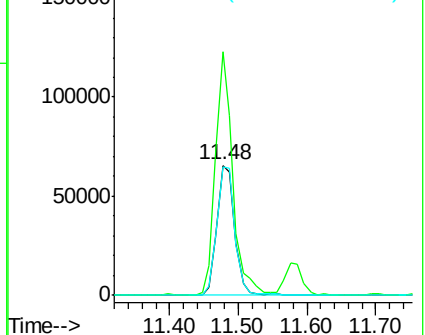
158 98.6 48.9 146.7



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 48.804 ug/l

RT: 11.59 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VF061581.D

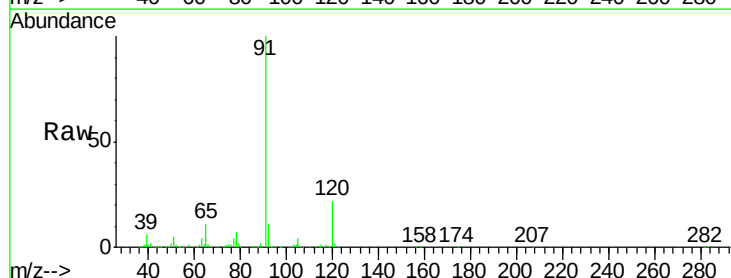
Acq: 11 Feb 2019 12:36

Tgt Ion: 91 Resp: 649358

Ion Ratio Lower Upper

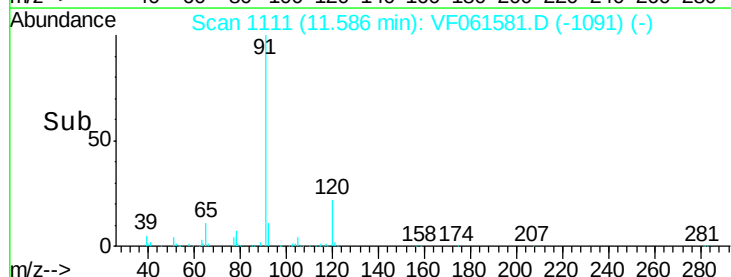
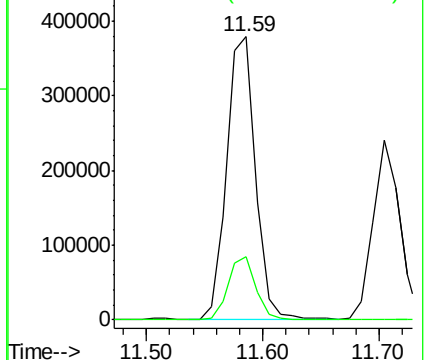
91 100

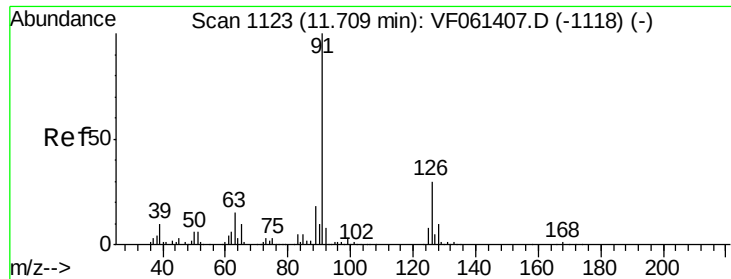
120 22.3 10.9 32.6



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.328 ug/l

RT: 11.70 min Scan# 1123

Delta R.T. -0.01 min

Lab File: VF061581.D

Acq: 11 Feb 2019 12:36

Instrument :

MSVOA_F

ClientSampleId :

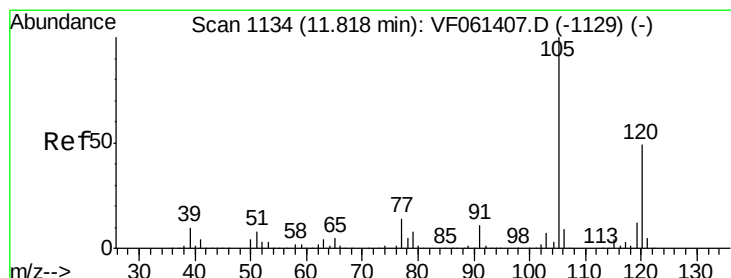
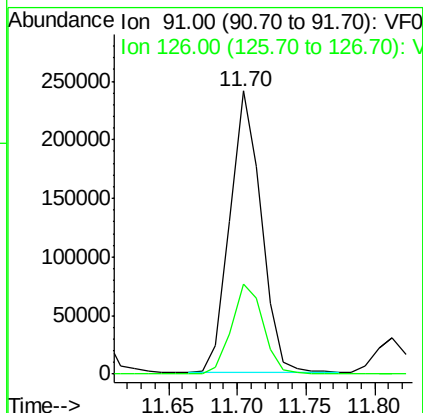
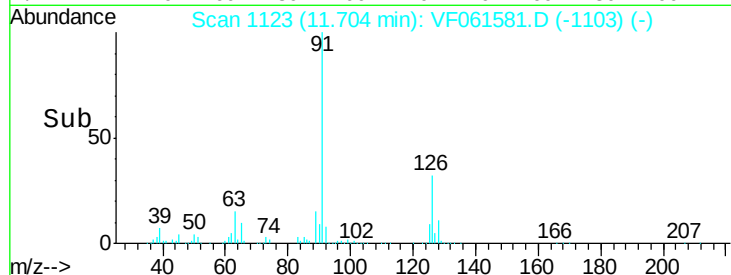
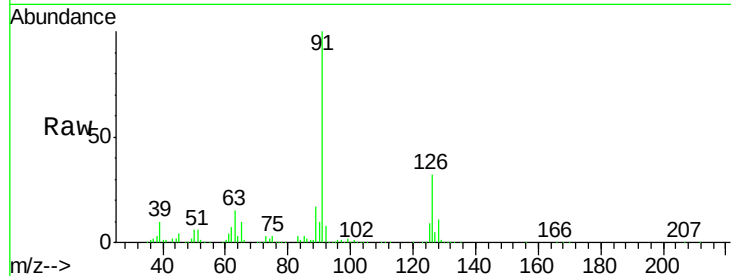
VSTDCCC050

Tot Ion: 91 Resp: 380349

Ion Ratio Lower Upper

91 100

126 31.7 15.0 45.1



#80

1,3,5-Trimethylbenzene

Concen: 51.920 ug/l

RT: 11.81 min Scan# 1134

Delta R.T. -0.01 min

Lab File: VF061581.D

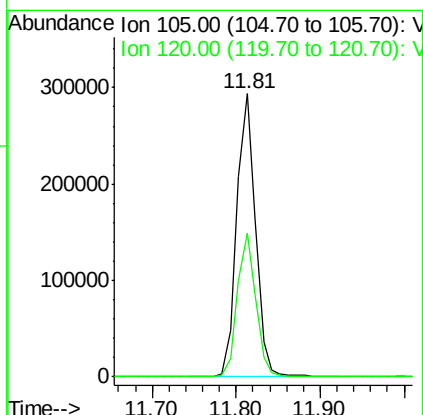
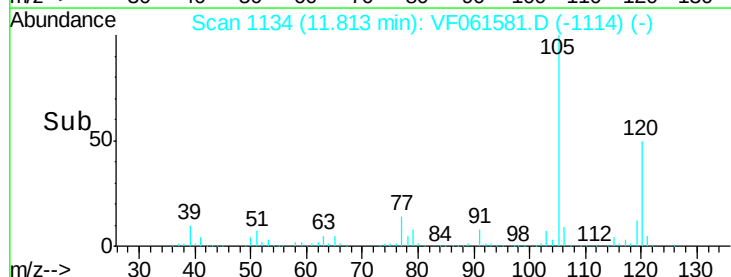
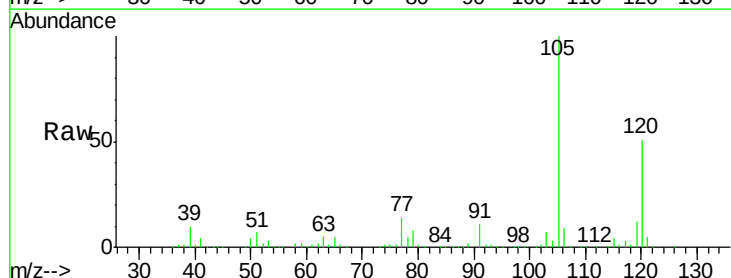
Acq: 11 Feb 2019 12:36

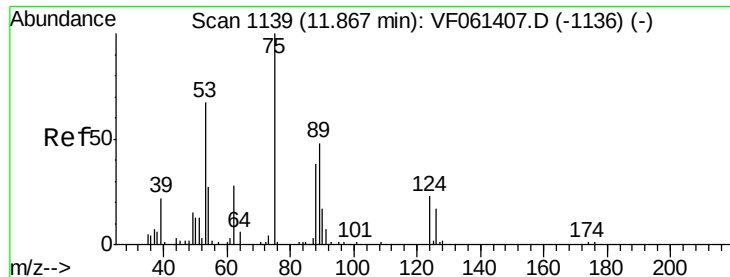
Tgt Ion:105 Resp: 456380

Ion Ratio Lower Upper

105 100

120 50.9 24.7 74.1





#81

trans-1,4-Dichloro-2-butene

Concen: 47.779 ug/l m

RT: 11.85 min Scan# 1138

Delta R.T. -0.02 min

Lab File: VF061581.D

Acq: 11 Feb 2019 12:36

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

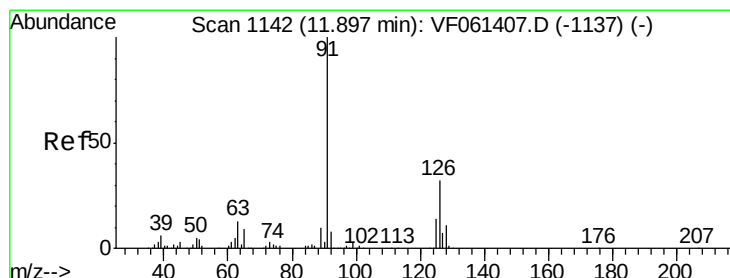
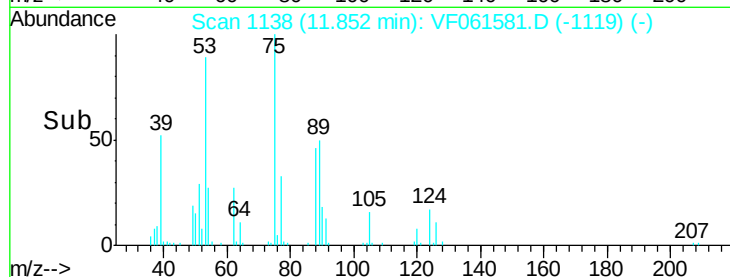
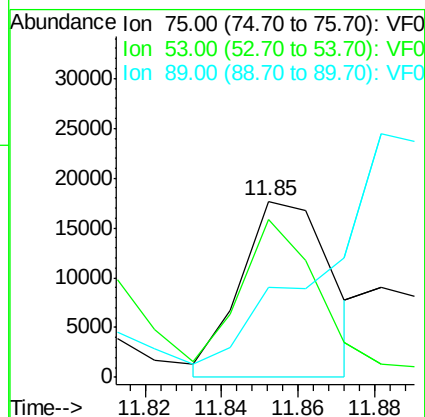
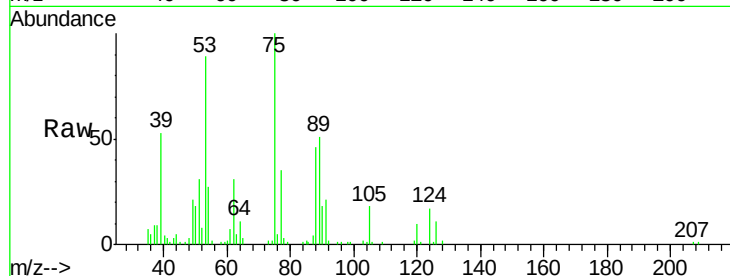
Tot Ion: 75 Resp: 28959

Ion Ratio Lower Upper

75 100

53 89.3 57.8 86.6#

89 51.1 40.7 61.1



#82

4-Chlorotoluene

Concen: 49.925 ug/l

RT: 11.88 min Scan# 1141

Delta R.T. -0.02 min

Lab File: VF061581.D

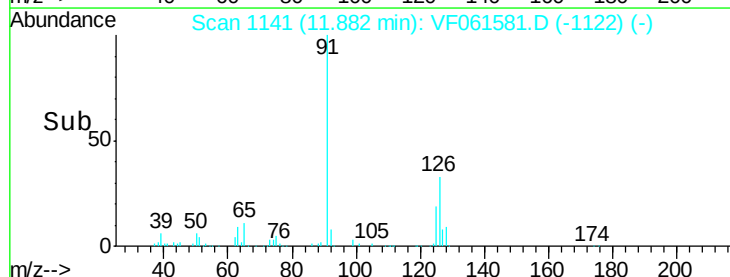
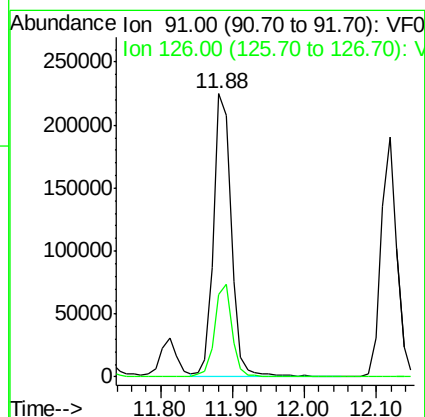
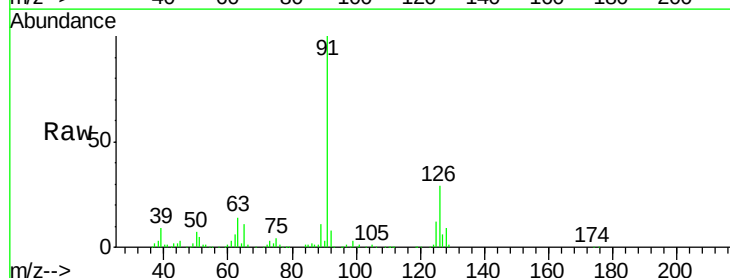
Acq: 11 Feb 2019 12:36

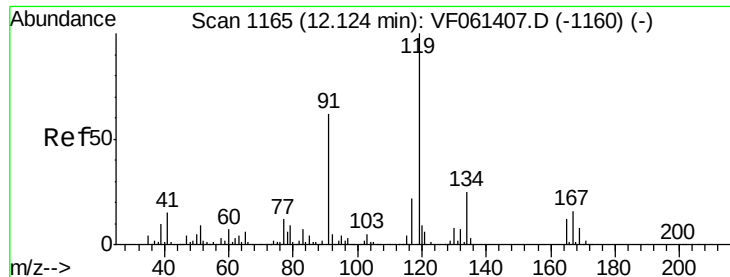
Tgt Ion: 91 Resp: 380731

Ion Ratio Lower Upper

91 100

126 29.0 16.0 47.9

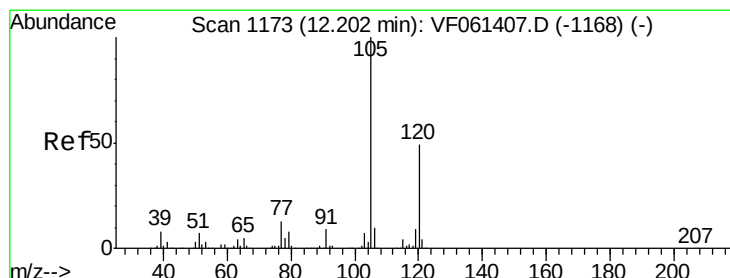
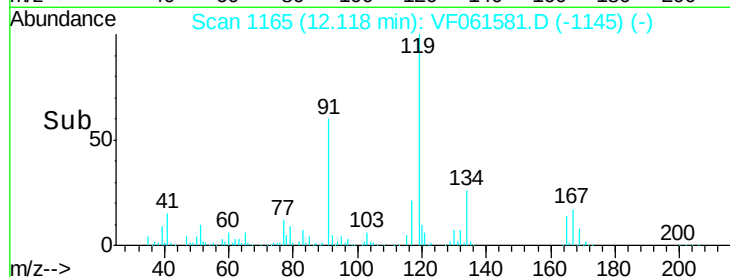
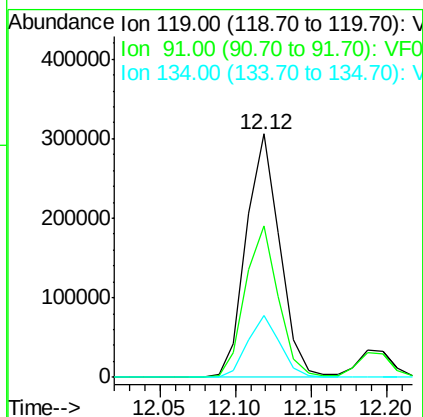
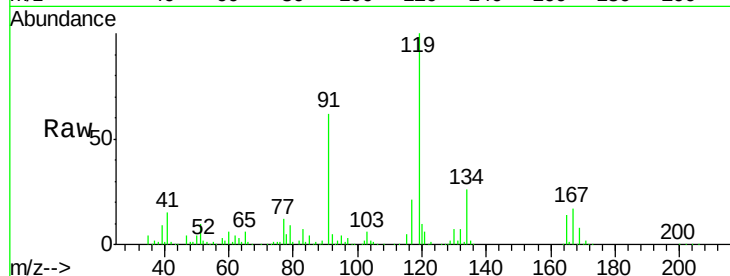




#83
 tert-Butylbenzene
 Concen: 52.220 ug/l
 RT: 12.12 min Scan# 1165
 Delta R.T. -0.01 min
 Lab File: VF061581.D
 Acq: 11 Feb 2019 12:36

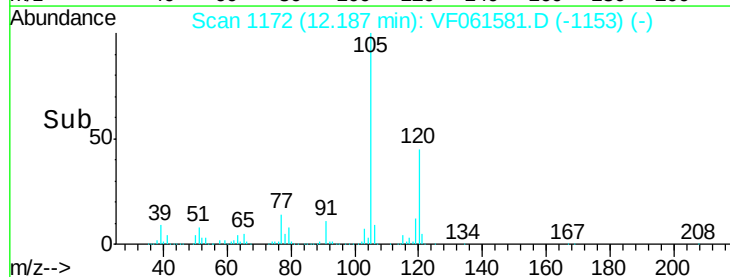
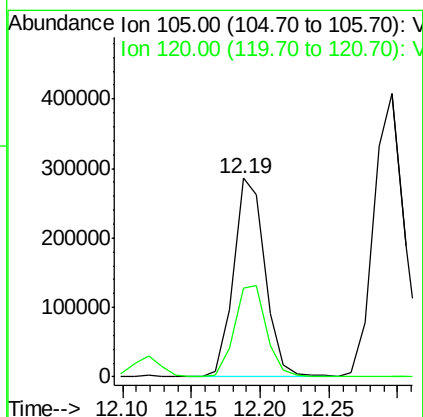
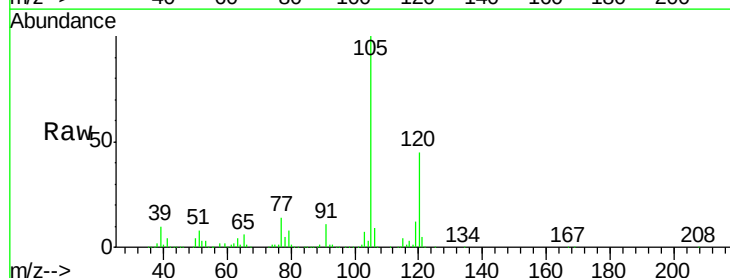
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

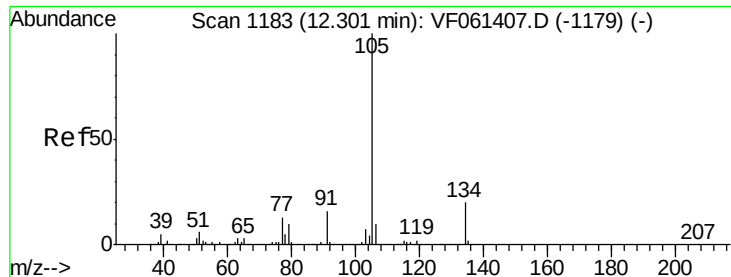
Tot Ion:119 Resp: 475095
 Ion Ratio Lower Upper
 119 100
 91 62.2 31.3 93.8
 134 25.6 12.4 37.0



#84
 1,2,4-Trimethylbenzene
 Concen: 50.382 ug/l
 RT: 12.19 min Scan# 1172
 Delta R.T. -0.02 min
 Lab File: VF061581.D
 Acq: 11 Feb 2019 12:36

Tgt Ion:105 Resp: 456172
 Ion Ratio Lower Upper
 105 100
 120 44.8 24.9 74.6





#85

sec-Butylbenzene

Concen: 50.816 ug/l

RT: 12.30 min Scan# 1183

Delta R.T. -0.01 min

Lab File: VF061581.D

Acq: 11 Feb 2019 12:36

Instrument :

MSVOA_F

ClientSampleId :

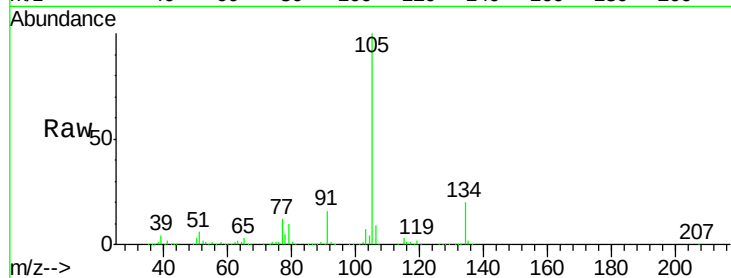
VSTDCCC050

Tot Ion:105 Resp: 627850

Ion Ratio Lower Upper

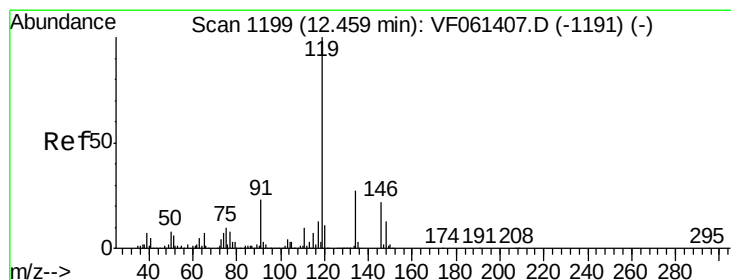
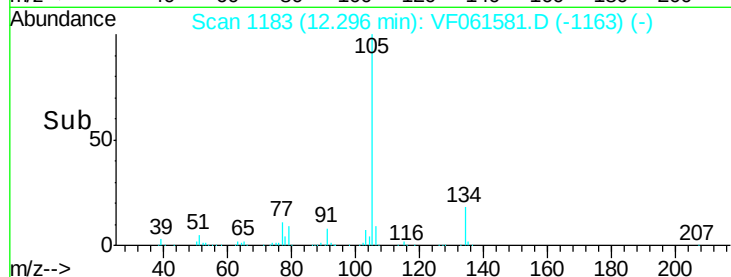
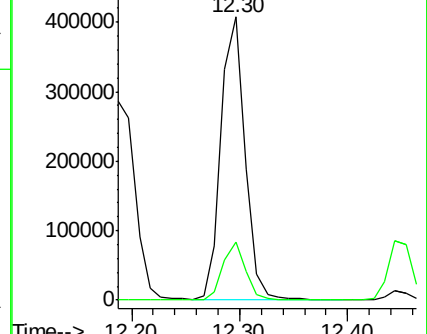
105 100

134 20.4 10.0 30.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 51.394 ug/l

RT: 12.44 min Scan# 1198

Delta R.T. -0.02 min

Lab File: VF061581.D

Acq: 11 Feb 2019 12:36

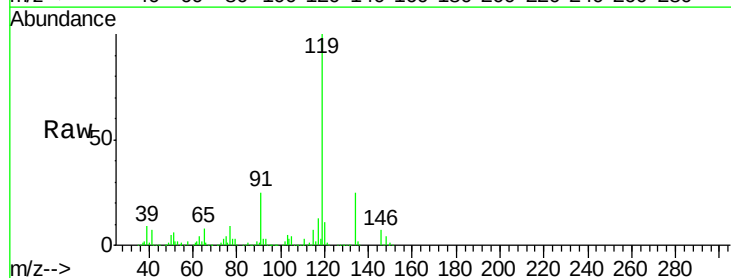
Tgt Ion:119 Resp: 521252

Ion Ratio Lower Upper

119 100

134 24.8 13.4 40.2

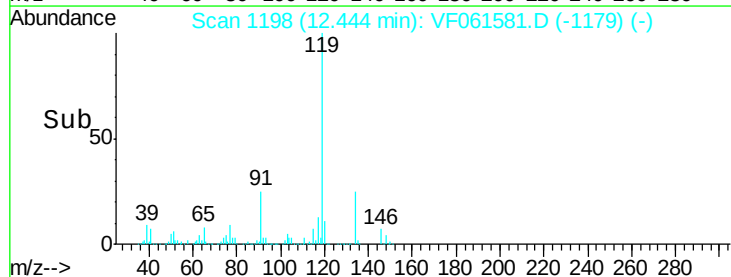
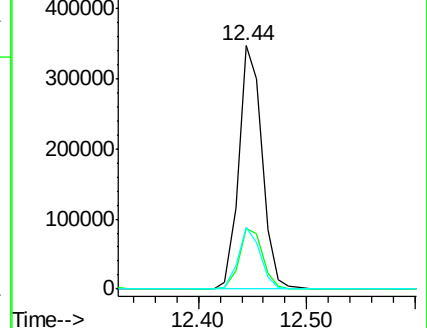
91 25.2 11.4 34.2

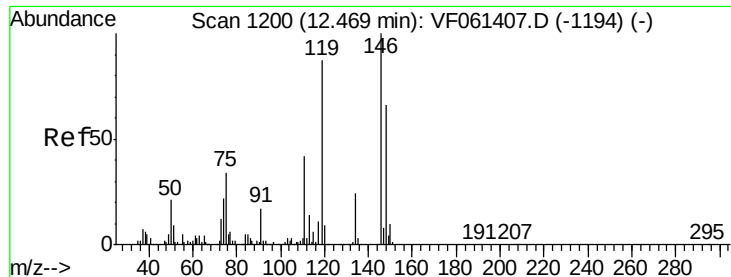


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0





#87

1,3-Dichlorobenzene

Concen: 48.728 ug/l

RT: 12.46 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VF061581.D

Acq: 11 Feb 2019 12:36

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

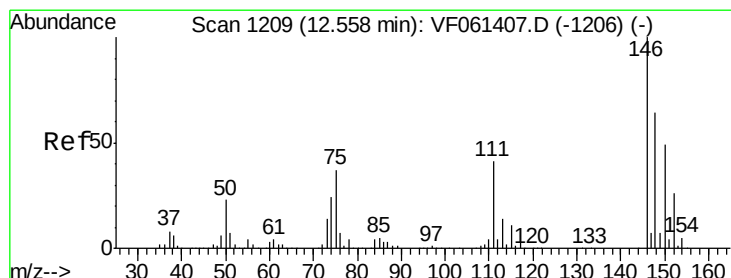
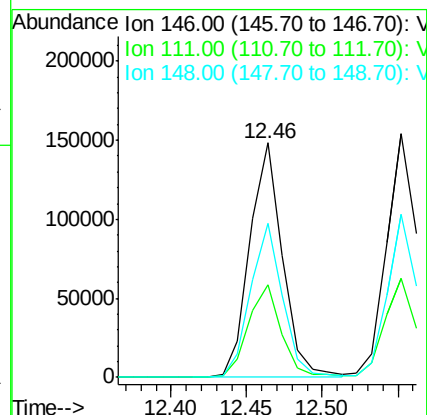
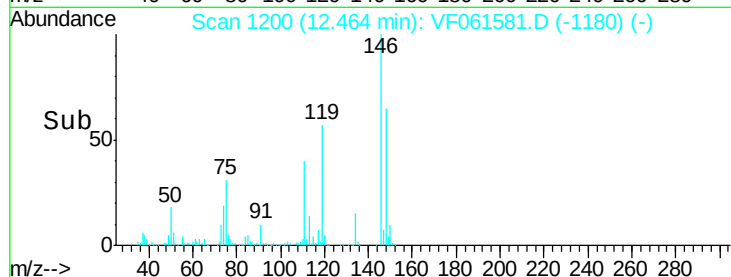
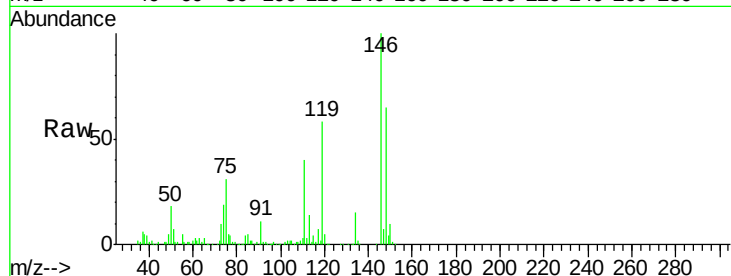
Tot Ion:146 Resp: 223441

Ion Ratio Lower Upper

146 100

111 39.6 21.1 63.4

148 65.5 32.9 98.6



#88

1,4-Dichlorobenzene

Concen: 51.963 ug/l

RT: 12.55 min Scan# 1209

Delta R.T. -0.01 min

Lab File: VF061581.D

Acq: 11 Feb 2019 12:36

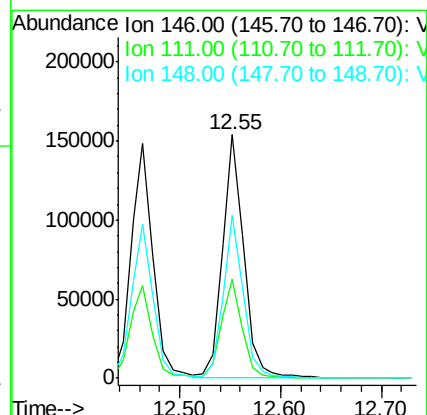
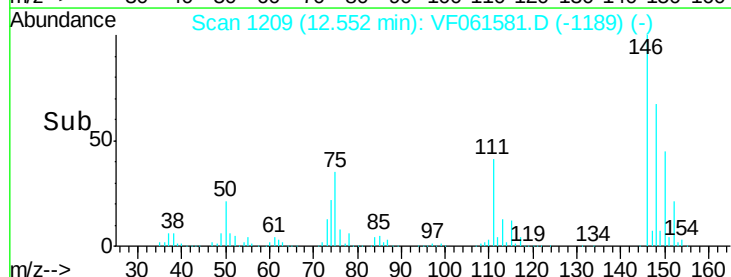
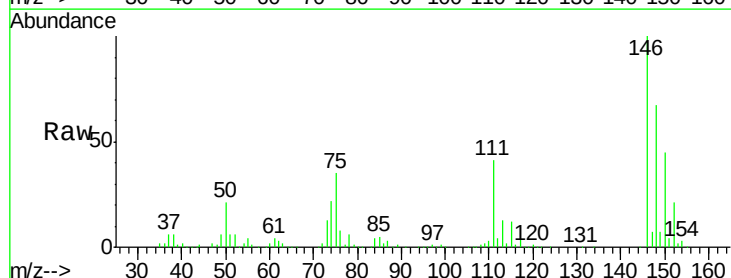
Tgt Ion:146 Resp: 225876

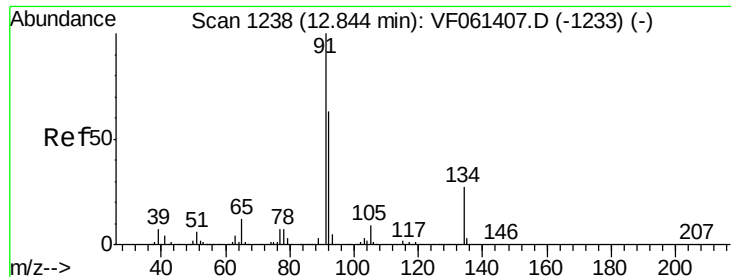
Ion Ratio Lower Upper

146 100

111 40.6 20.8 62.2

148 67.0 32.1 96.5





#89

n-Butylbenzene

Concen: 51.822 ug/l

RT: 12.83 min Scan# 1237

Delta R.T. -0.02 min

Lab File: VF061581.D

Acq: 11 Feb 2019 12:36

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

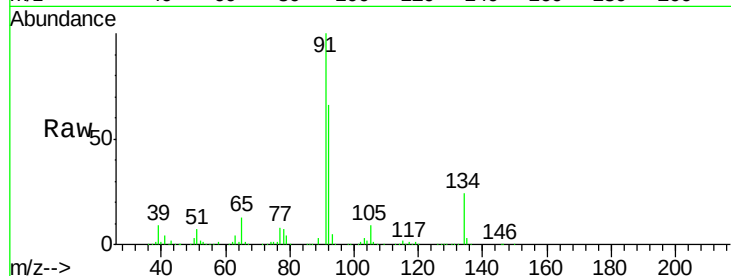
Tot Ion: 91 Resp: 542054

Ion Ratio Lower Upper

91 100

92 66.0 31.6 94.7

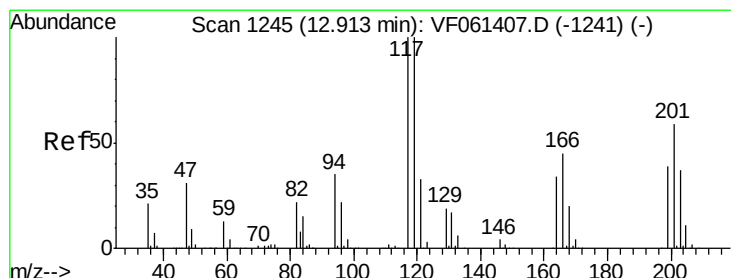
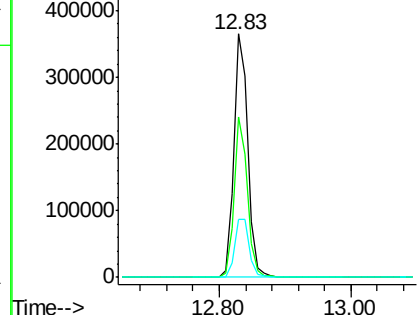
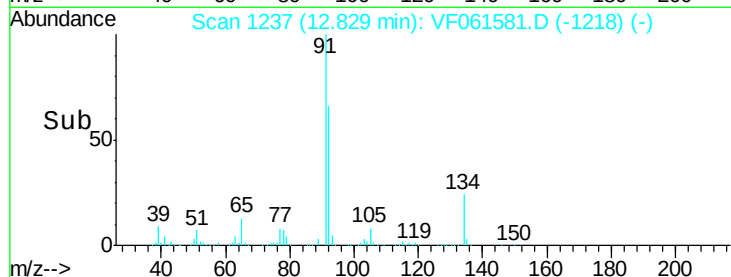
134 23.7 13.6 40.8



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 52.630 ug/l

RT: 12.91 min Scan# 1245

Delta R.T. -0.01 min

Lab File: VF061581.D

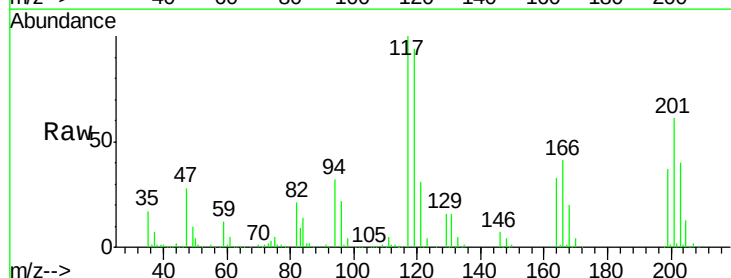
Acq: 11 Feb 2019 12:36

Tgt Ion: 117 Resp: 125828

Ion Ratio Lower Upper

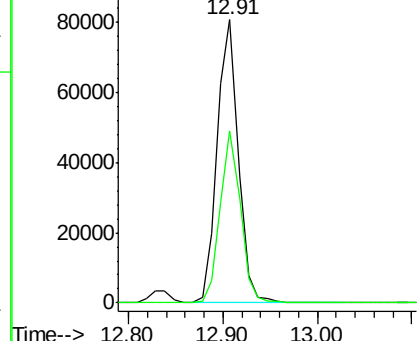
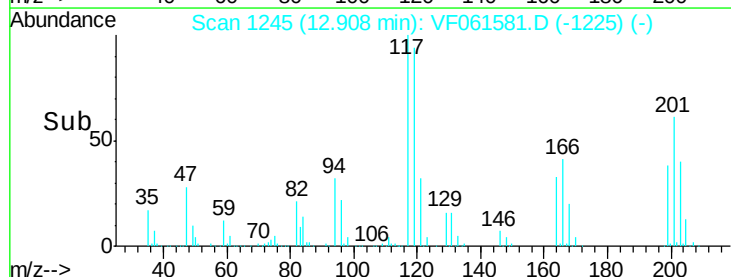
117 100

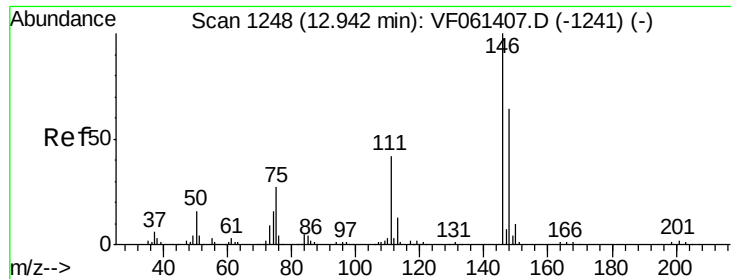
201 60.7 29.3 87.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V

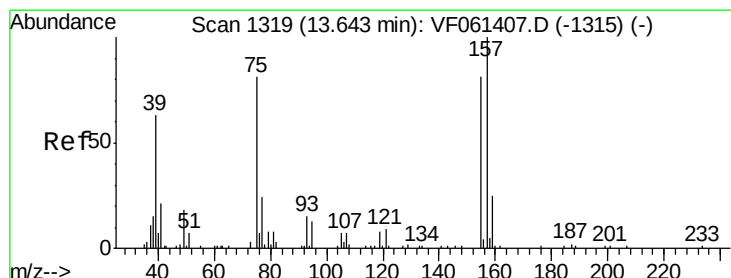
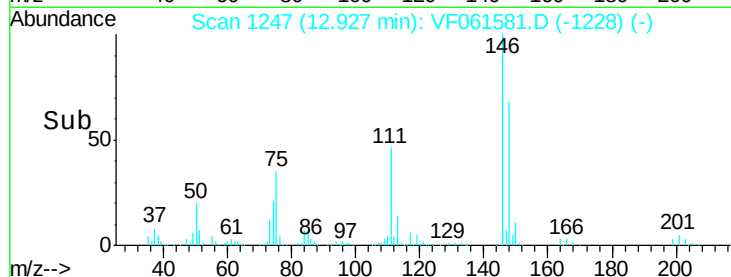
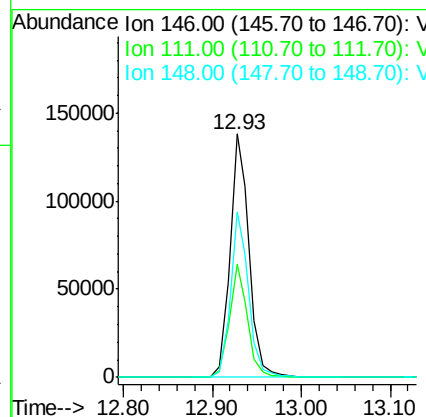
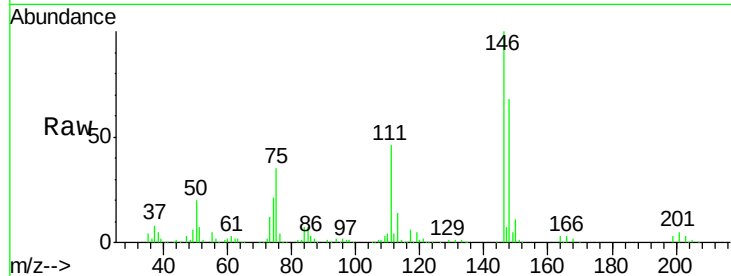




#91
 1,2-Dichlorobenzene
 Concen: 48.394 ug/l
 RT: 12.93 min Scan# 1247
 Delta R.T. -0.01 min
 Lab File: VF061581.D
 Acq: 11 Feb 2019 12:36

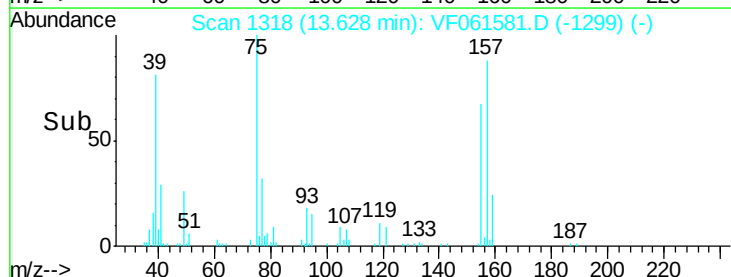
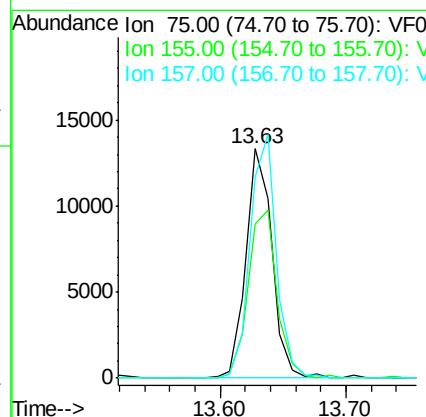
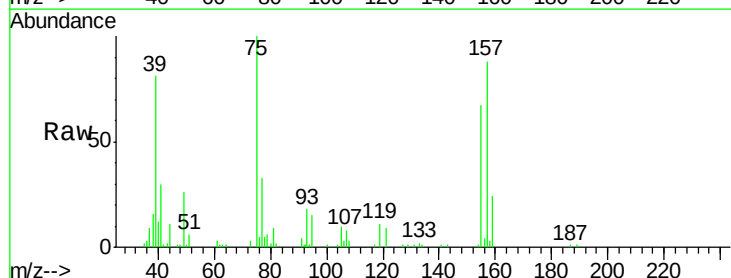
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

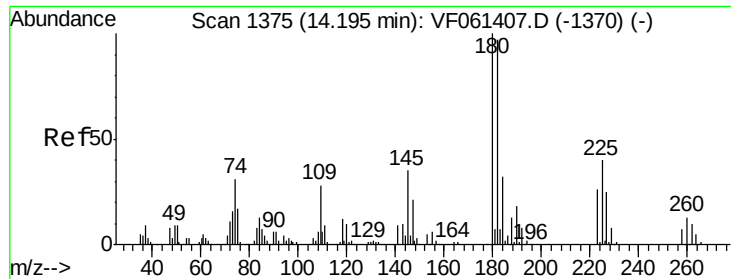
Tot Ion	Ratio	Lower	Upper
146	100		
111	46.4	21.1	63.3
148	68.1	31.9	95.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 55.456 ug/l
 RT: 13.63 min Scan# 1318
 Delta R.T. -0.02 min
 Lab File: VF061581.D
 Acq: 11 Feb 2019 12:36

Tgt Ion	Ratio	Lower	Upper
75	100		
155	67.0	49.7	149.1
157	87.6	61.4	184.1

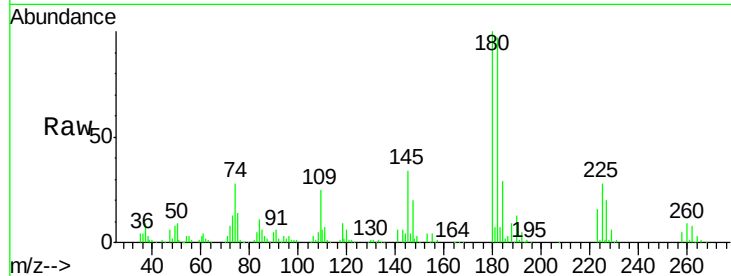




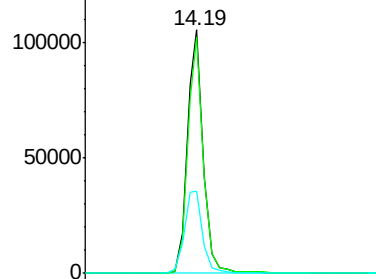
#93
 1,2,4-Trichlorobenzene
 Concen: 52.161 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. -0.01 min
 Lab File: VF061581.D
 Acq: 11 Feb 2019 12:36

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

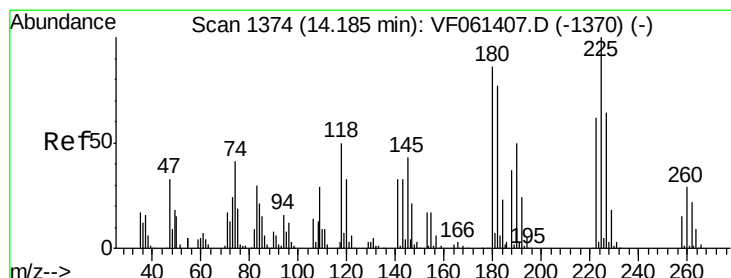
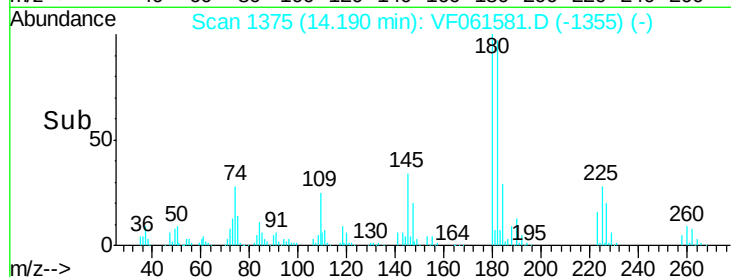
Tot Ion:180 Resp: 157239
 Ion Ratio Lower Upper
 180 100
 182 96.7 48.5 145.6
 145 33.8 17.5 52.6



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

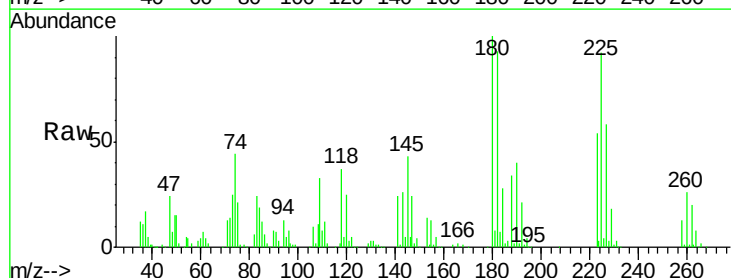


Time-->

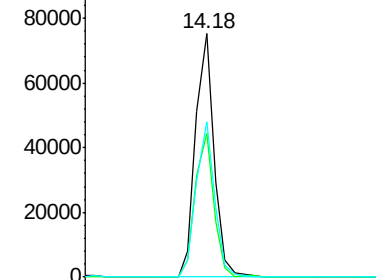


#94
 Hexachlorobutadiene
 Concen: 54.708 ug/l
 RT: 14.18 min Scan# 1374
 Delta R.T. -0.01 min
 Lab File: VF061581.D
 Acq: 11 Feb 2019 12:36

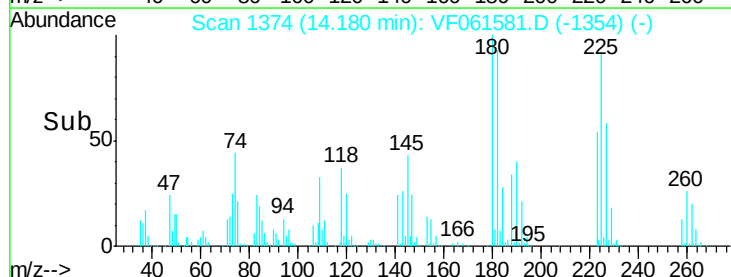
Tgt Ion:225 Resp: 102333
 Ion Ratio Lower Upper
 225 100
 223 59.2 31.1 93.2
 227 63.5 32.2 96.6

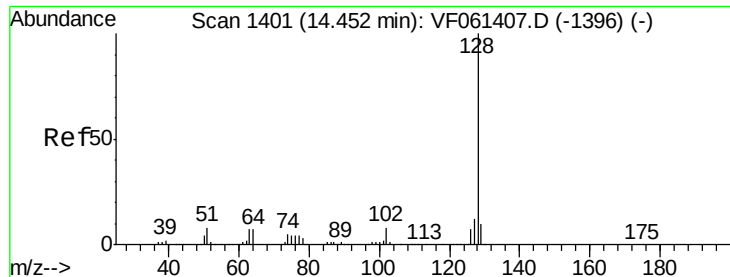


Abundance Ion 225.00 (224.70 to 225.70): V
 Ion 223.00 (222.70 to 223.70): V
 Ion 227.00 (226.70 to 227.70): V



Time-->





#95

Naphthalene

Concen: 53.062 ug/l

RT: 14.45 min Scan# 1401

Delta R.T. -0.01 min

Lab File: VF061581.D

Acq: 11 Feb 2019 12:36

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

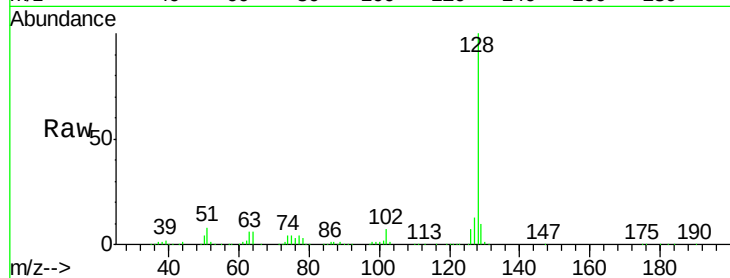
Tot Ion:128 Resp: 303898

Ion Ratio Lower Upper

128 100

127 12.9 9.5 14.3

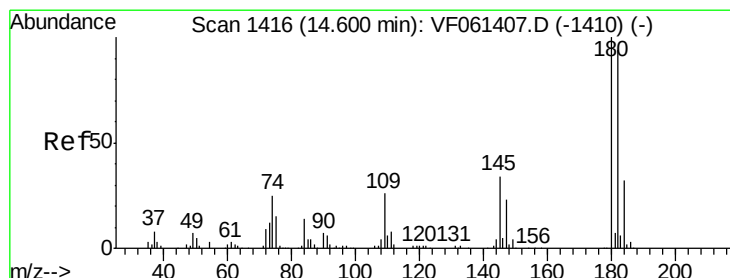
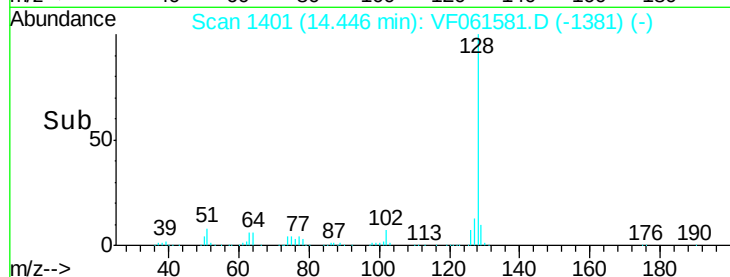
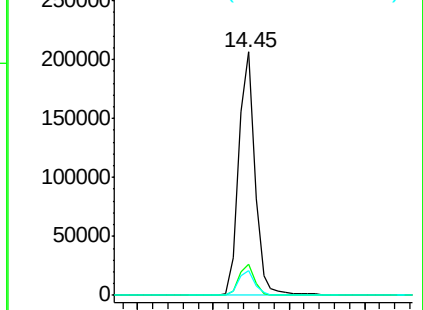
129 10.4 8.4 12.6



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 52.516 ug/l

RT: 14.59 min Scan# 1416

Delta R.T. -0.01 min

Lab File: VF061581.D

Acq: 11 Feb 2019 12:36

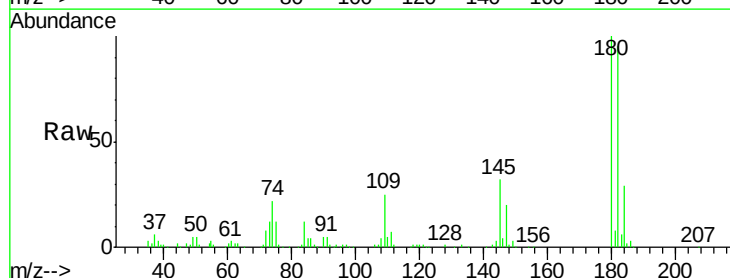
Tgt Ion:180 Resp: 146546

Ion Ratio Lower Upper

180 100

182 94.7 47.0 141.2

145 32.2 17.1 51.2



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

