

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF011719\
 Data File : VF061436.D
 Acq On : 17 Jan 2019 10:56
 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: Jan 18 03:15:58 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	4.84	168	197959	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.57	114	330746	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.75	117	292417	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.53	152	145487	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.82	65	115927	47.43	ug/l	-0.01
Spiked Amount						
			Recovery	=	94.86%	
35) Dibromofluoromethane	4.08	113	133812	51.27	ug/l	-0.02
Spiked Amount						
			Recovery	=	102.54%	
50) Toluene-d8	7.53	98	394257	55.14	ug/l	-0.01
Spiked Amount						
			Recovery	=	110.28%	
62) 4-Bromofluorobenzene	11.39	95	160446	48.02	ug/l	-0.01
Spiked Amount						
			Recovery	=	96.04%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.95	85	183938	47.290	ug/l	98
3) Chloromethane	1.09	50	128319	44.992	ug/l	99
4) Vinyl Chloride	1.13	62	121596	47.929	ug/l	98
5) Bromomethane	1.31	94	86575	52.331	ug/l	95
6) Chloroethane	1.38	64	61814	54.987	ug/l	95
7) Trichlorofluoromethane	1.47	101	213991	43.388	ug/l	99
8) Diethyl Ether	1.62	74	31082	49.183	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	1.81	101	110002	46.418	ug/l	96
10) Methyl Iodide	1.88	142	134066	36.491	ug/l	97
11) Tert butyl alcohol	2.55	59	21134	204.287	ug/l	99
12) 1,1-Dichloroethene	1.78	96	90948	51.656	ug/l	78
13) Acrolein	1.99	56	26692	297.498	ug/l	96
14) Allyl chloride	2.08	41	143938	71.906	ug/l	92
15) Acrylonitrile	2.93	53	64194	242.247	ug/l	96
16) Acetone	2.23	43	127515	260.072	ug/l	99
17) Carbon Disulfide	1.81	76	280512	51.097	ug/l	99
18) Methyl Acetate	2.34	43	42305	43.508	ug/l	100
19) Methyl tert-butyl Ether	2.41	73	169061	42.834	ug/l	99
20) Methylene Chloride	2.17	84	35524	20.300	ug/l	92
21) trans-1,2-Dichloroethene	2.30	96	93872	48.460	ug/l	99
22) Diisopropyl ether	2.78	45	286911	45.792	ug/l	99
23) Vinyl Acetate	3.16	43	728947	264.320	ug/l	100
24) 1,1-Dichloroethane	2.85	63	191982	48.821	ug/l	97
25) 2-Butanone	4.31	43	209736	257.231	ug/l	98
26) 2,2-Dichloropropane	3.58	77	112610	46.609	ug/l	89
27) cis-1,2-Dichloroethene	3.45	96	141905	49.626	ug/l	93
28) Bromochloromethane	3.69	49	88490	50.061	ug/l #	91
29) Tetrahydrofuran	4.04	42	77627	221.104	ug/l	95
30) Chloroform	3.83	83	246918	46.526	ug/l	100
31) Cyclohexane	3.67	56	200000	50.915	ug/l	96
32) 1,1,1-Trichloroethane	4.07	97	188240	48.374	ug/l	99
36) 1,1-Dichloropropene	4.26	75	198600	51.788	ug/l	99
37) Ethyl Acetate	4.08	43	76807	50.105	ug/l #	96
38) Carbon Tetrachloride	3.96	117	160912	47.997	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.42	83	215743	51.913	ug/l	96
40) Benzene	4.60	78	450125	52.750	ug/l	100
41) Methacrylonitrile	4.71	41	40148	49.221	ug/l	98
42) 1,2-Dichloroethane	4.91	62	146375	48.138	ug/l	97
43) Isopropyl Acetate	6.93	43	95543	49.661	ug/l	96
44) Trichloroethene	5.48	130	134478	51.373	ug/l	92
45) 1,2-Dichloropropane	6.21	63	113935	50.874	ug/l	98
46) Dibromomethane	6.06	93	70278	47.193	ug/l	94
47) Bromodichloromethane	6.36	83	190345	51.661	ug/l	100
48) Methyl methacrylate	6.70	41	59073	45.725	ug/l	91
49) 1,4-Dioxane	6.69	88	8778	971.395	ug/l #	68
51) 4-Methyl-2-Pentanone	8.23	43	339226	239.841	ug/l	99
52) Toluene	7.60	92	279146	49.676	ug/l	95
53) t-1,3-Dichloropropene	8.25	75	145900	49.868	ug/l	97
54) cis-1,3-Dichloropropene	7.28	75	198581	54.301	ug/l	94
55) 1,1,2-Trichloroethane	8.46	97	81617	51.147	ug/l	95
56) Ethyl methacrylate	8.60	69	92449	49.797	ug/l	96
57) 1,3-Dichloropropane	8.83	76	143352	47.927	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.27	63	50817	259.814	ug/l	99
59) 2-Hexanone	9.47	43	258165	261.758	ug/l	99
60) Dibromochloromethane	8.70	129	112490	48.219	ug/l	94
61) 1,2-Dibromoethane	8.95	107	83968	45.965	ug/l	99
64) Tetrachloroethene	8.13	164	114593	52.111	ug/l	97
65) Chlorobenzene	9.77	112	307758	51.755	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.91	131	119973	50.645	ug/l	98
67) Ethyl Benzene	9.87	91	578170	53.216	ug/l	99
68) m/p-Xylenes	10.11	106	390330	99.889	ug/l	98
69) o-Xylene	10.69	106	225257	53.187	ug/l	96
70) Styrene	10.77	104	301041	51.928	ug/l	97
71) Bromoform	10.75	173	55785	52.412	ug/l #	94
73) Isopropylbenzene	11.10	105	643608	54.392	ug/l	99
74) N-amyl acetate	11.35	43	153220	54.760	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.68	83	105515	50.055	ug/l	100
76) 1,2,3-Trichloropropane	11.78	75	75143	49.610	ug/l	96
77) Bromobenzene	11.48	156	128980	51.613	ug/l	96
78) n-propylbenzene	11.58	91	731705	50.883	ug/l	99
79) 2-Chlorotoluene	11.70	91	435160	53.004	ug/l	100
80) 1,3,5-Trimethylbenzene	11.80	105	509709	53.377	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.85	75	47812	72.614	ug/l	95
82) 4-Chlorotoluene	11.88	91	419350	50.617	ug/l	97
83) tert-Butylbenzene	12.11	119	510612	51.662	ug/l	99
84) 1,2,4-Trimethylbenzene	12.19	105	496302	50.457	ug/l	99
85) sec-Butylbenzene	12.29	105	686490	51.146	ug/l	96
86) p-Isopropyltoluene	12.45	119	573239	52.026	ug/l	98
87) 1,3-Dichlorobenzene	12.46	146	238939	47.878	ug/l	98
88) 1,4-Dichlorobenzene	12.54	146	236784	50.143	ug/l	98
89) n-Butylbenzene	12.83	91	590593	51.974	ug/l	98
90) Hexachloroethane	12.90	117	140431	54.069	ug/l	97
91) 1,2-Dichlorobenzene	12.93	146	231331	49.485	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.63	75	18768	50.197	ug/l	98

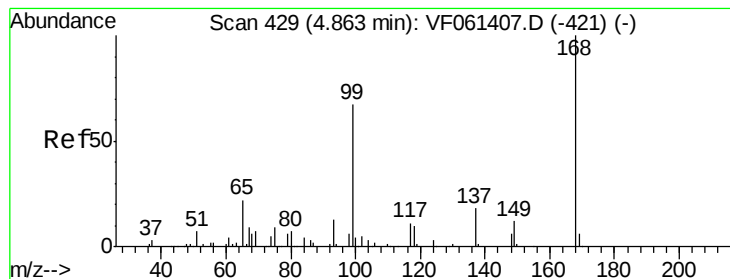
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.18	180	161269	49.246	ug/l	94
94) Hexachlorobutadiene	14.17	225	103861	51.111	ug/l	99
95) Naphthalene	14.44	128	309639	49.767	ug/l	98
96) 1,2,3-Trichlorobenzene	14.59	180	150731	49.722	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.84 min Scan# 427

Delta R.T. -0.02 min

Lab File: VF061436.D

Acq: 17 Jan 2019 10:56

Instrument :

MSVOA_F

ClientSampleId :

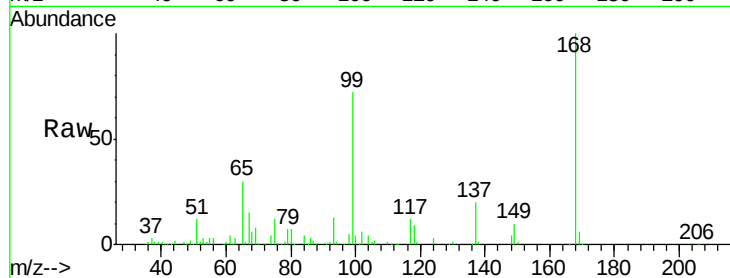
VSTDCCC050

Tot Ion:168 Resp: 197959

Ion Ratio Lower Upper

168 100

99 71.6 53.5 80.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.84

60000

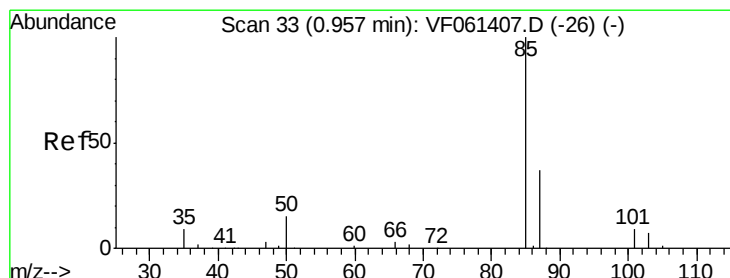
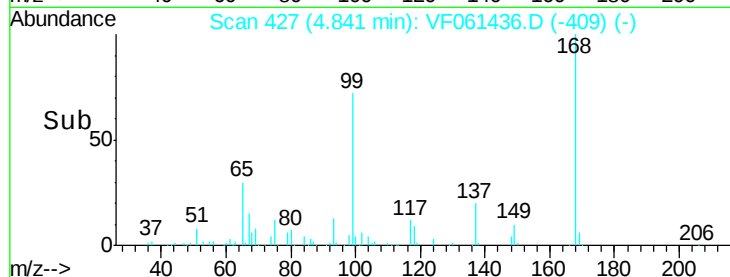
40000

20000

0

Time-->

4.70 4.80 4.90 5.00



#2

Dichlorodifluoromethane

Concen: 47.290 ug/l

RT: 0.95 min Scan# 33

Delta R.T. -0.00 min

Lab File: VF061436.D

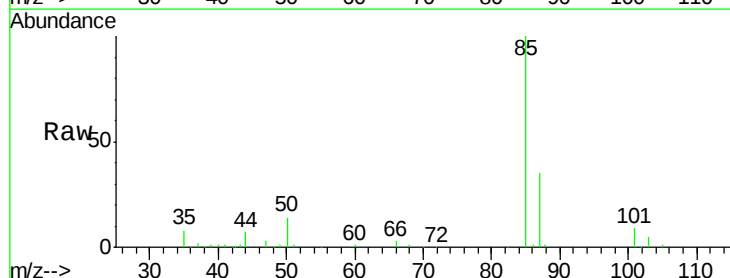
Acq: 17 Jan 2019 10:56

Tgt Ion: 85 Resp: 183938

Ion Ratio Lower Upper

85 100

87 35.3 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

60000

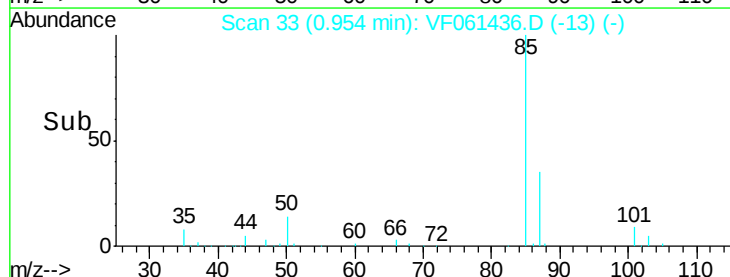
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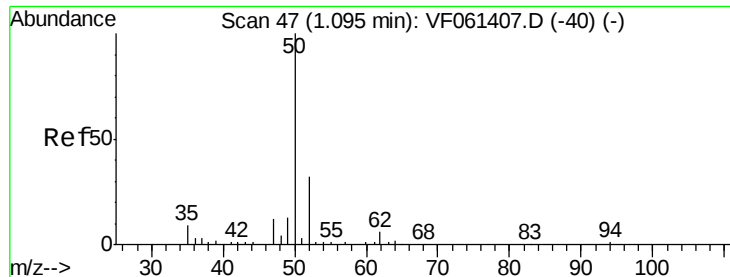
20000

0

Time-->

0.80 0.90 1.00 1.10





#3

Chloromethane

Concen: 44.992 ug/l

RT: 1.09 min Scan# 47

Delta R.T. -0.00 min

Lab File: VF061436.D

Acq: 17 Jan 2019 10:56

Instrument :

MSVOA_F

ClientSampleId :

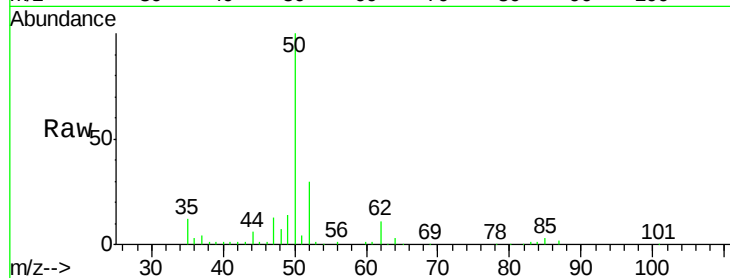
VSTDCCC050

Tot Ion: 50 Resp: 128319

Ion Ratio Lower Upper

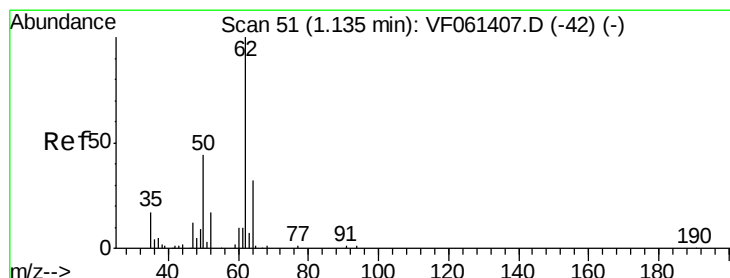
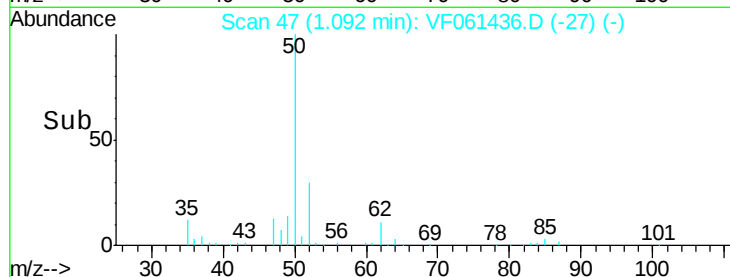
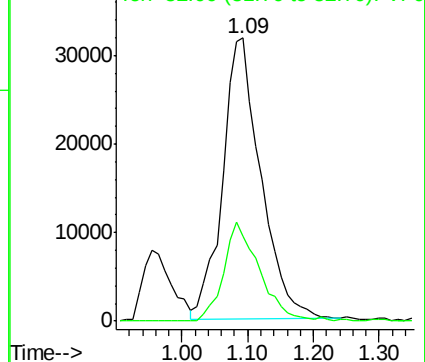
50 100

52 30.2 24.6 36.8



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 47.929 ug/l

RT: 1.13 min Scan# 51

Delta R.T. -0.00 min

Lab File: VF061436.D

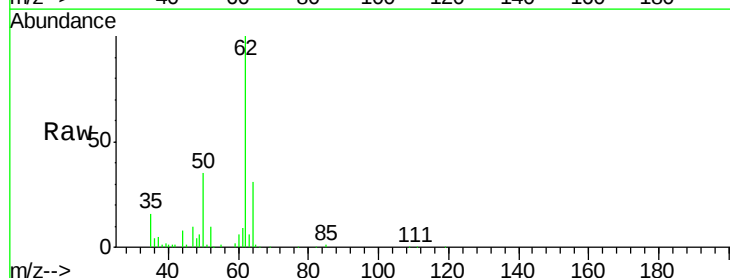
Acq: 17 Jan 2019 10:56

Tgt Ion: 62 Resp: 121596

Ion Ratio Lower Upper

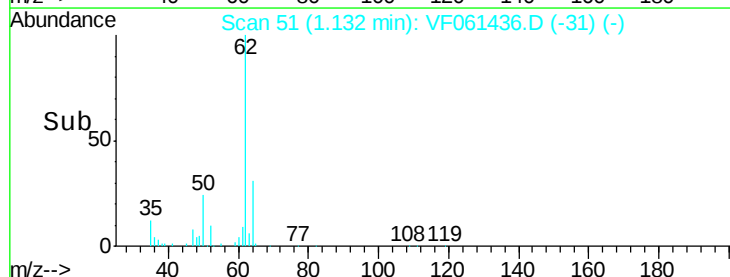
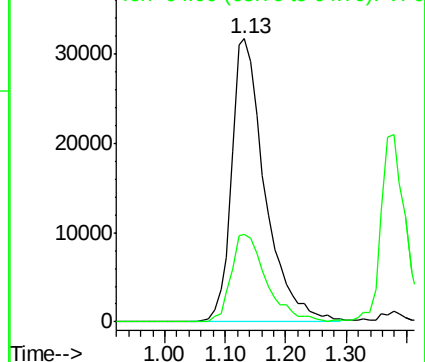
62 100

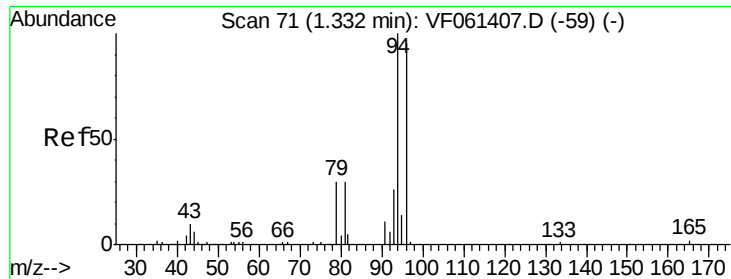
64 31.0 25.6 38.4



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 52.331 ug/l

RT: 1.31 min Scan# 69

Delta R.T. -0.02 min

Lab File: VF061436.D

Acq: 17 Jan 2019 10:56

Instrument :

MSVOA_F

ClientSampleId :

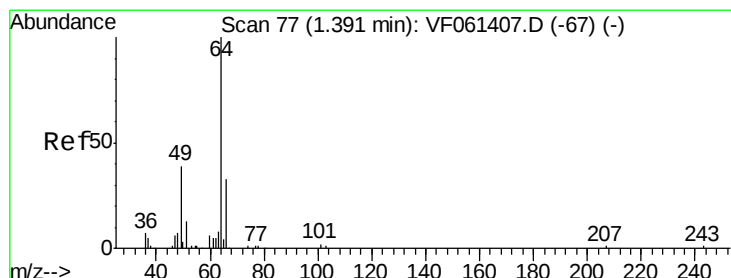
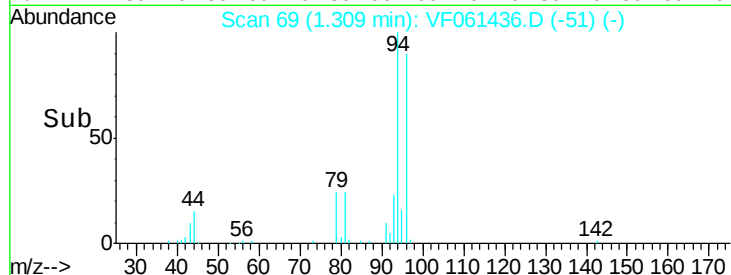
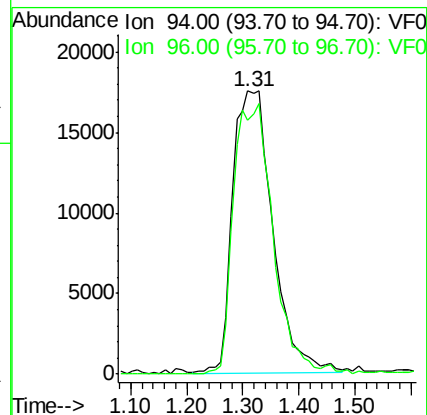
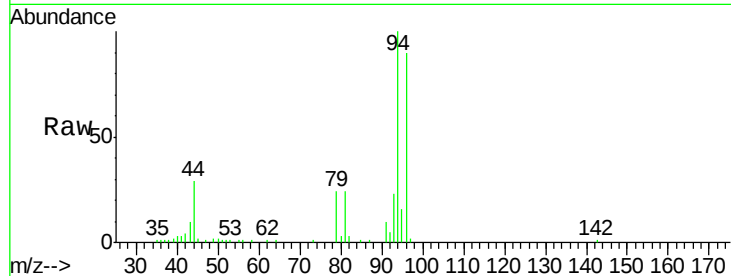
VSTDCCC050

Tot Ion: 94 Resp: 86575

Ion Ratio Lower Upper

94 100

96 89.7 76.0 114.0



#6

Chloroethane

Concen: 54.987 ug/l

RT: 1.38 min Scan# 76

Delta R.T. -0.01 min

Lab File: VF061436.D

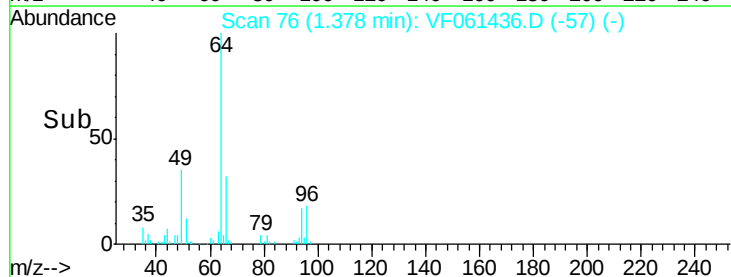
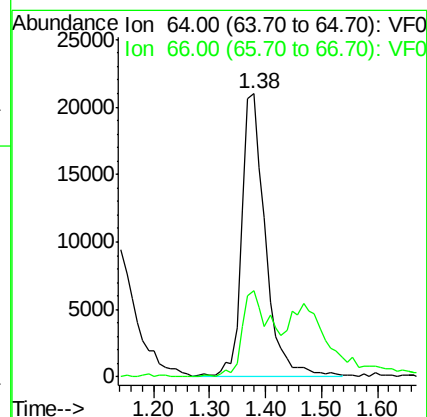
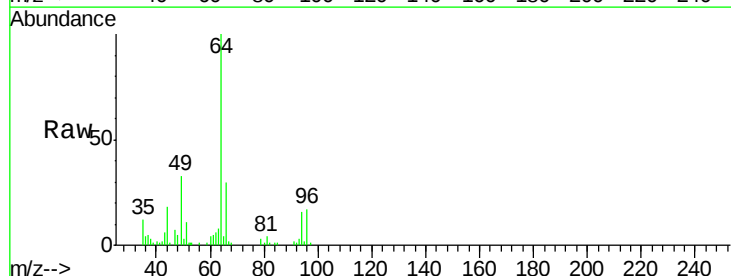
Acq: 17 Jan 2019 10:56

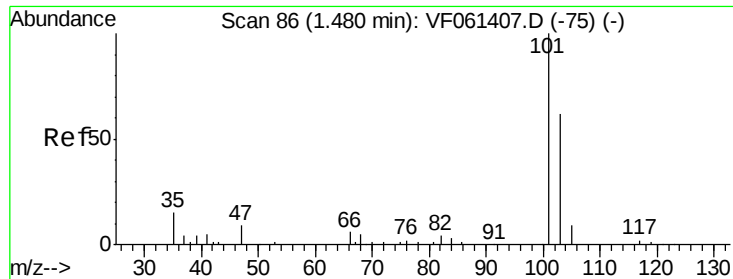
Tgt Ion: 64 Resp: 61814

Ion Ratio Lower Upper

64 100

66 30.4 26.6 40.0



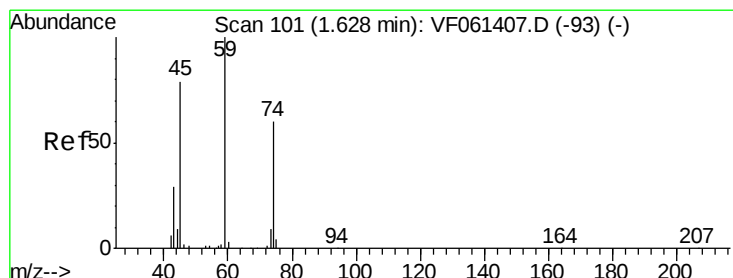
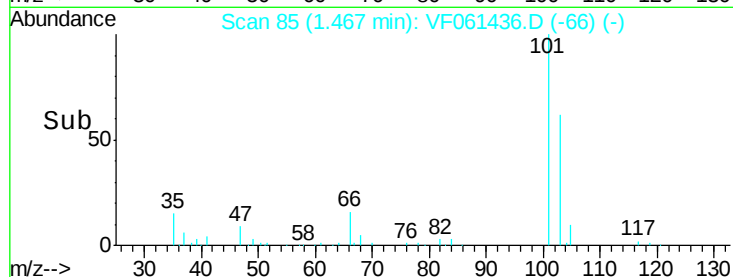
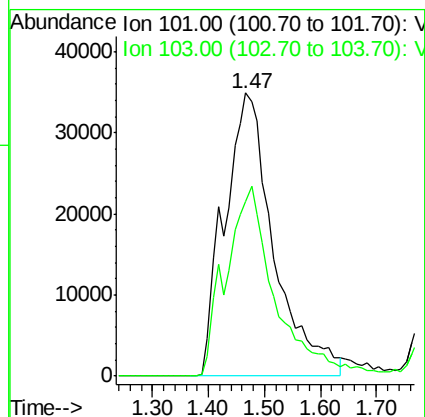
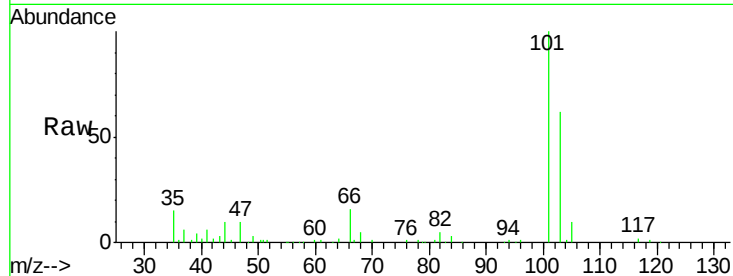


#7

Trichlorofluoromethane
Concen: 43.388 ug/l
RT: 1.47 min Scan# 85
Delta R.T. -0.01 min
Lab File: VF061436.D
Acq: 17 Jan 2019 10:56

Instrument :
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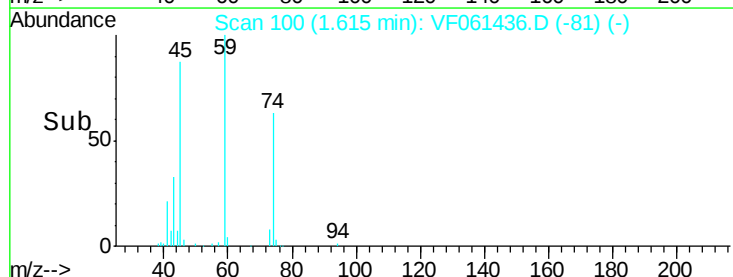
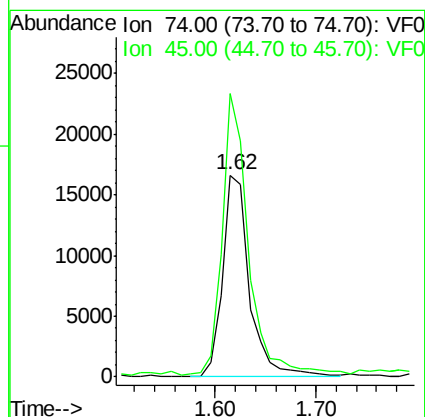
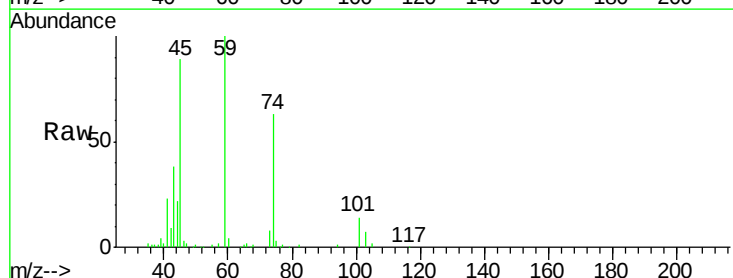
Tot Ion:101 Resp: 213991
Ion Ratio Lower Upper
101 100
103 61.7 49.7 74.5



#8

Diethyl Ether
Concen: 49.183 ug/l
RT: 1.62 min Scan# 100
Delta R.T. -0.01 min
Lab File: VF061436.D
Acq: 17 Jan 2019 10:56

Tgt Ion: 74 Resp: 31082
Ion Ratio Lower Upper
74 100
45 140.2 65.8 197.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.418 ug/l

RT: 1.81 min Scan# 120

Delta R.T. -0.02 min

Lab File: VF061436.D

Acq: 17 Jan 2019 10:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

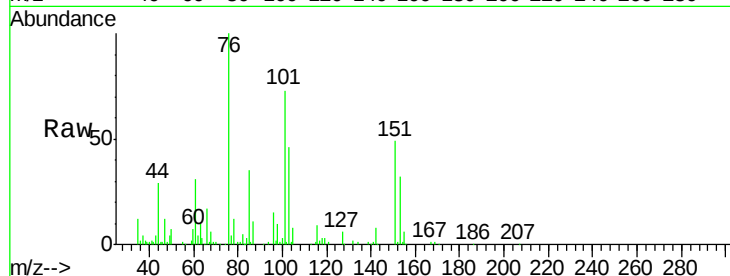
Tot Ion:101 Resp: 110002

Ion Ratio Lower Upper

101 100

85 48.1 41.9 62.9

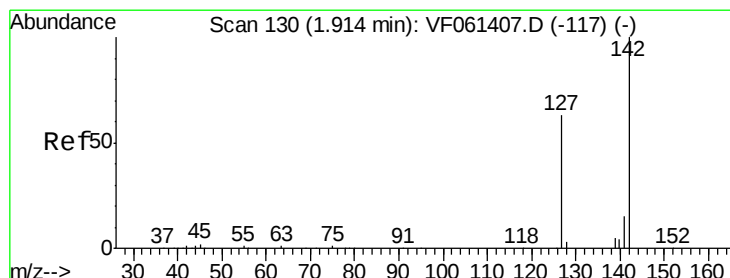
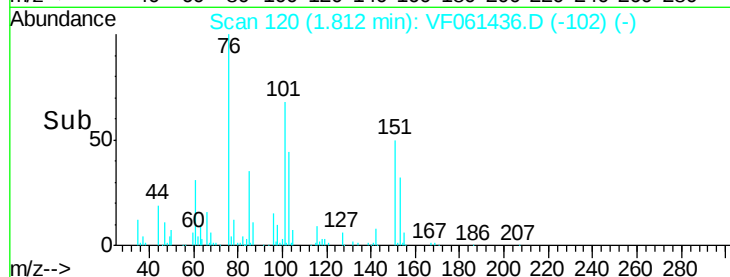
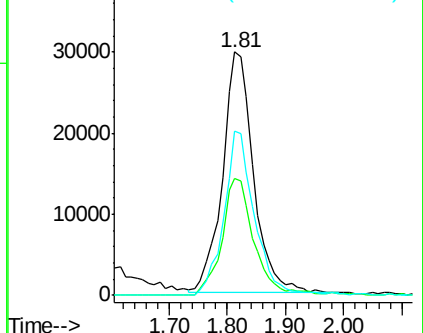
151 67.3 55.1 82.7



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: 36.491 ug/l

RT: 1.88 min Scan# 127

Delta R.T. -0.03 min

Lab File: VF061436.D

Acq: 17 Jan 2019 10:56

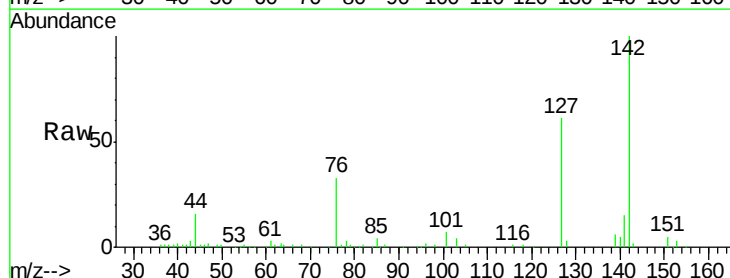
Tgt Ion:142 Resp: 134066

Ion Ratio Lower Upper

142 100

127 61.2 50.7 76.1

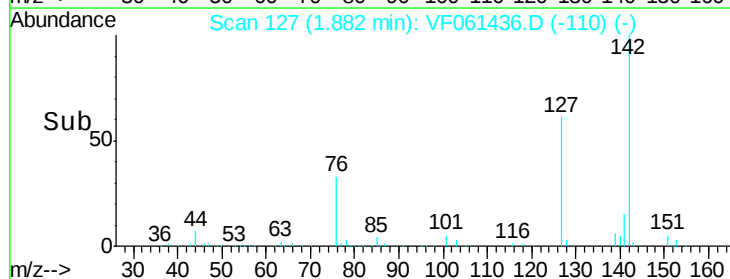
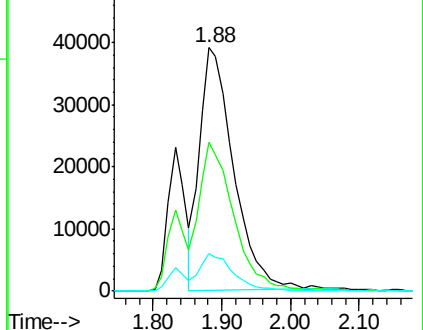
141 15.3 11.8 17.6

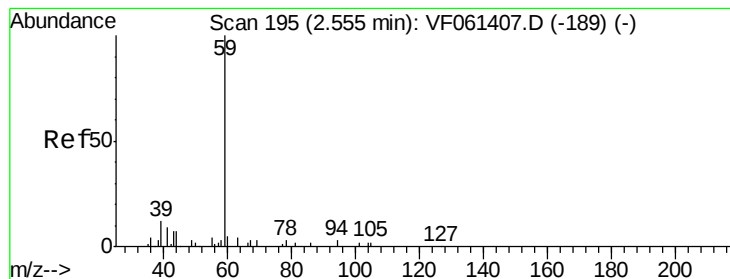


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



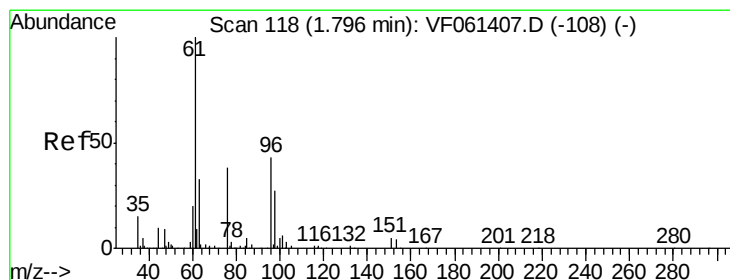
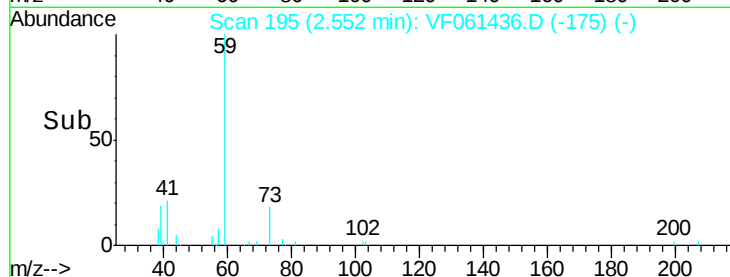
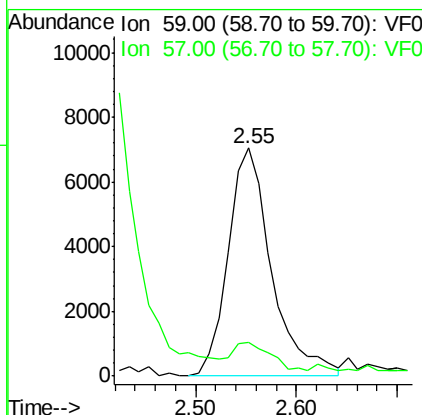
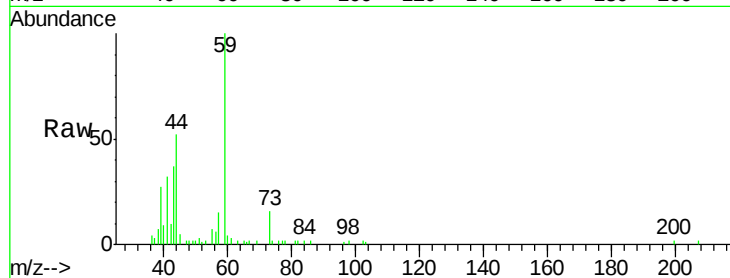


#11

Tert butyl alcohol
Concen: 204.287 ug/l
RT: 2.55 min Scan# 195
Delta R.T. -0.00 min
Lab File: VF061436.D
Acq: 17 Jan 2019 10:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

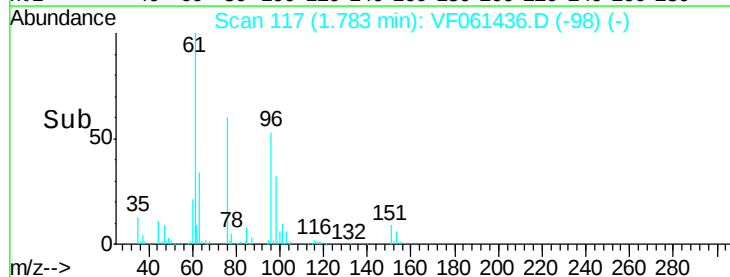
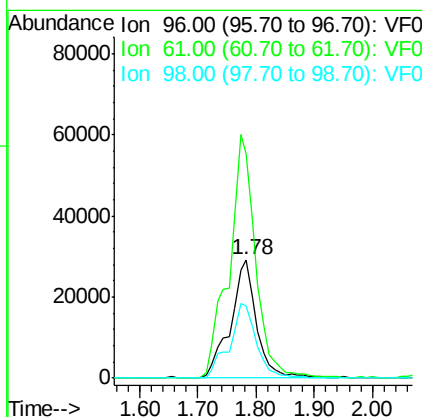
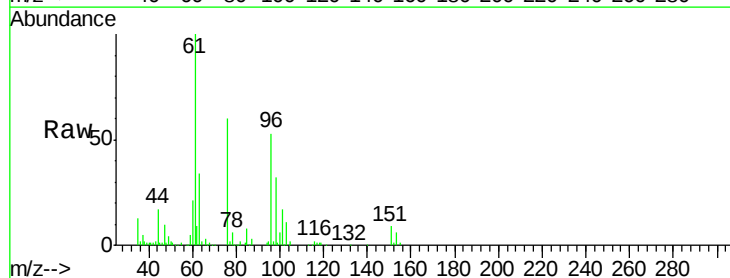
Tot Ion: 59 Resp: 21134
Ion Ratio Lower Upper
59 100
57 14.5 11.9 17.9

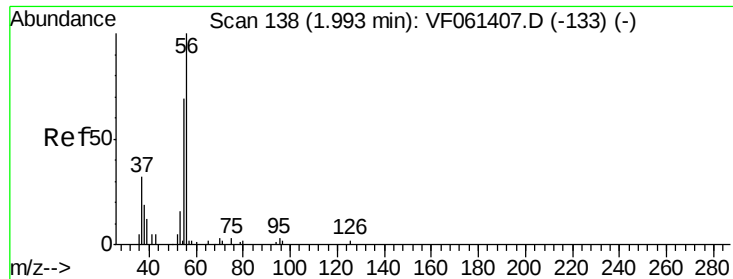


#12

1,1-Dichloroethene
Concen: 51.656 ug/l
RT: 1.78 min Scan# 117
Delta R.T. -0.01 min
Lab File: VF061436.D
Acq: 17 Jan 2019 10:56

Tgt Ion: 96 Resp: 90948
Ion Ratio Lower Upper
96 100
61 189.7 186.9 280.3
98 61.4 53.0 79.4





#13

Acrolein

Concen: 297.498 ug/l

RT: 1.99 min Scan# 138

Delta R.T. -0.00 min

Lab File: VF061436.D

Acq: 17 Jan 2019 10:56

Instrument :

MSVOA_F

ClientSampleId :

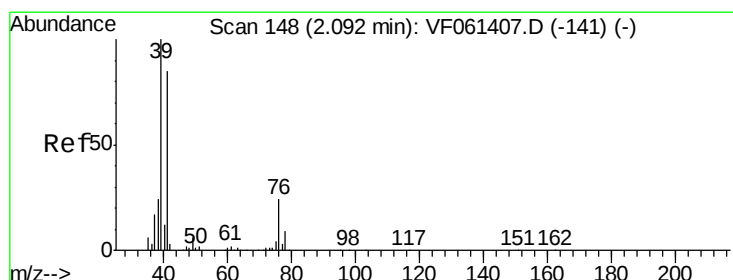
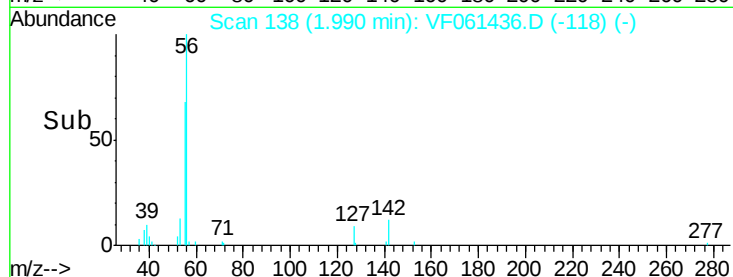
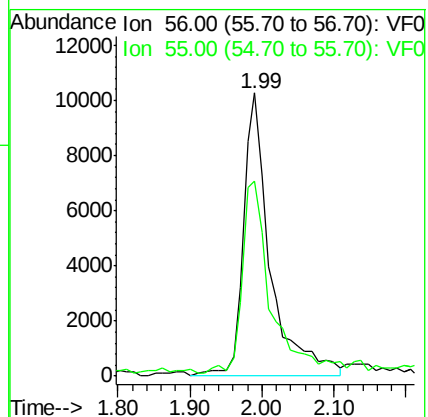
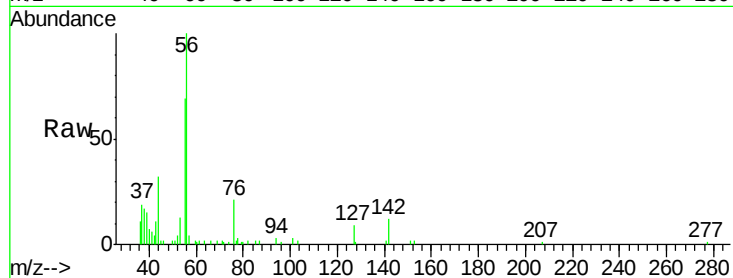
VSTDCCC050

Tot Ion: 56 Resp: 26692

Ion Ratio Lower Upper

56 100

55 68.9 57.5 86.3



#14

Allyl chloride

Concen: 71.906 ug/l

RT: 2.08 min Scan# 147

Delta R.T. -0.01 min

Lab File: VF061436.D

Acq: 17 Jan 2019 10:56

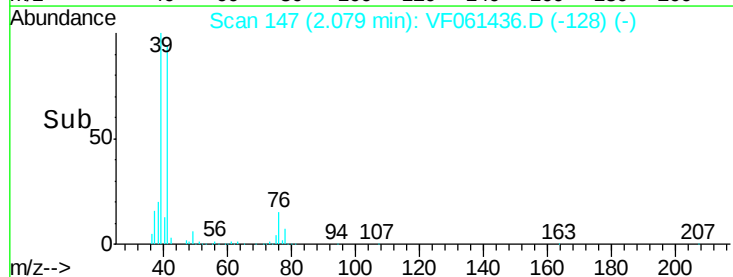
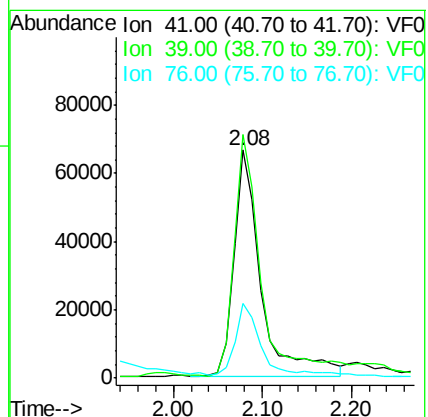
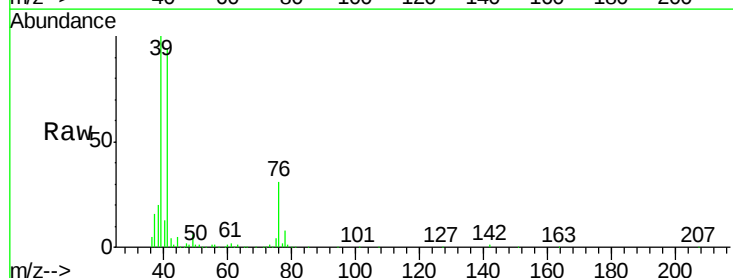
Tgt Ion: 41 Resp: 143938

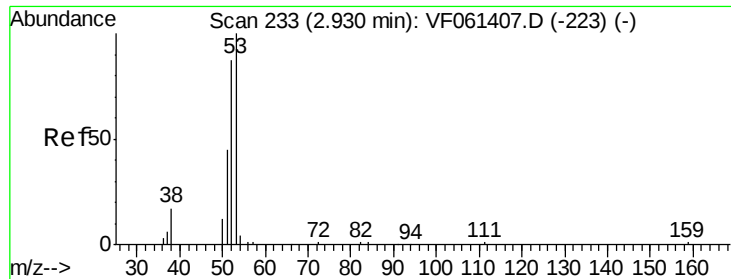
Ion Ratio Lower Upper

41 100

39 106.7 94.6 141.8

76 32.9 25.9 38.9





#15

Acrylonitrile

Concen: 242.247 ug/l

RT: 2.93 min Scan# 233

Delta R.T. -0.00 min

Lab File: VF061436.D

Acq: 17 Jan 2019 10:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

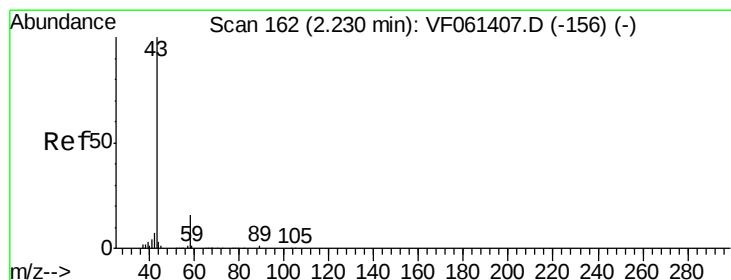
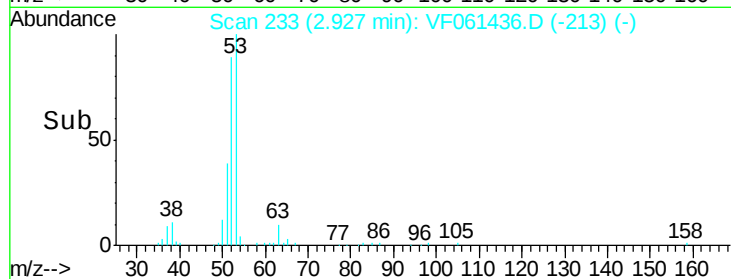
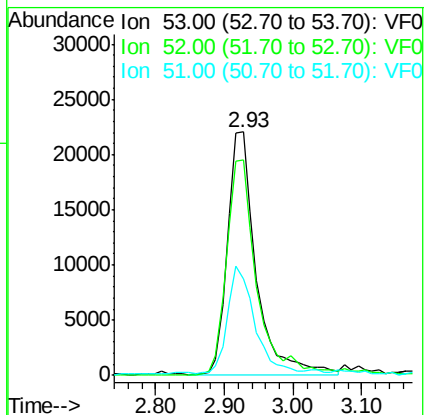
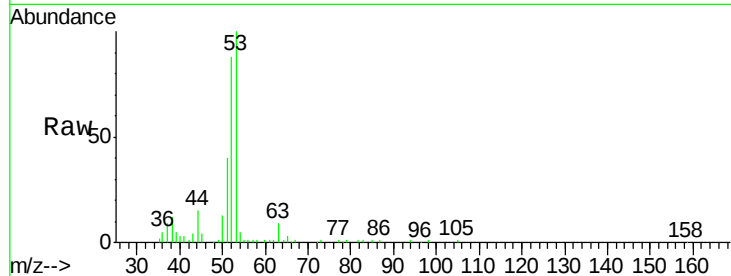
Tot Ion: 53 Resp: 64194

Ion Ratio Lower Upper

53 100

52 88.4 69.6 104.4

51 39.6 36.8 55.2



#16

Acetone

Concen: 260.072 ug/l

RT: 2.23 min Scan# 162

Delta R.T. -0.00 min

Lab File: VF061436.D

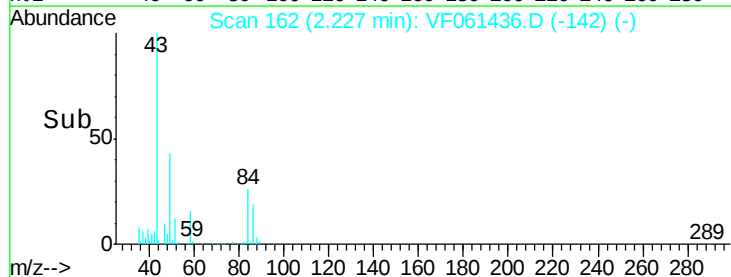
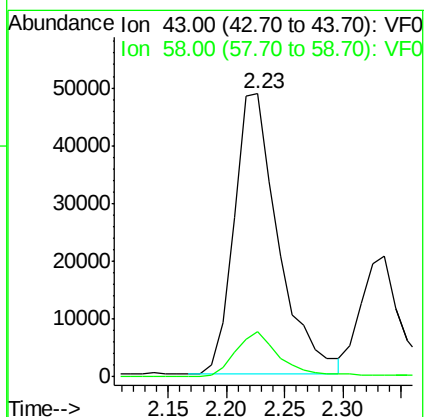
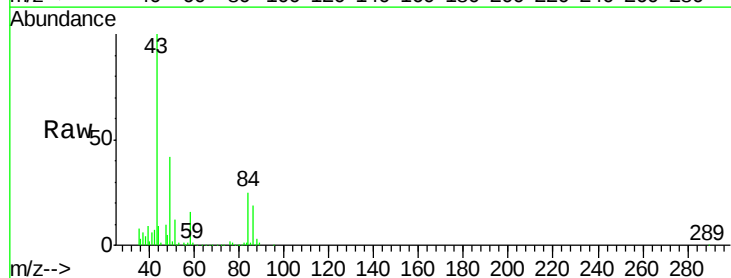
Acq: 17 Jan 2019 10:56

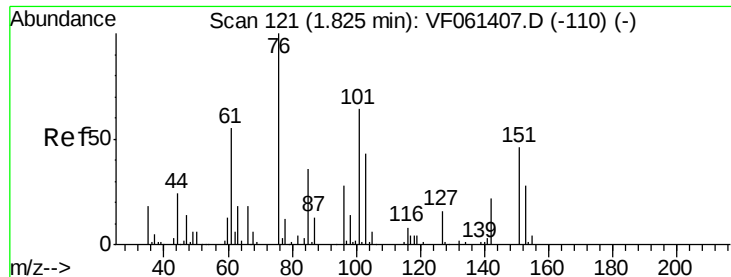
Tgt Ion: 43 Resp: 127515

Ion Ratio Lower Upper

43 100

58 16.1 13.3 19.9

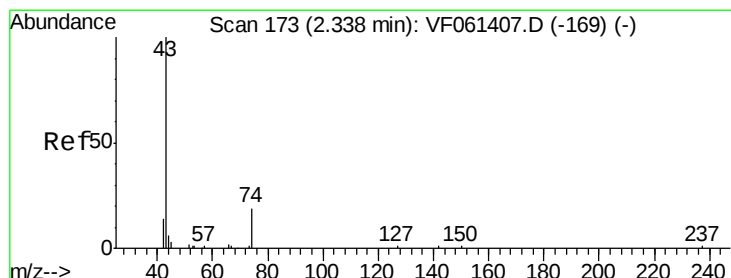
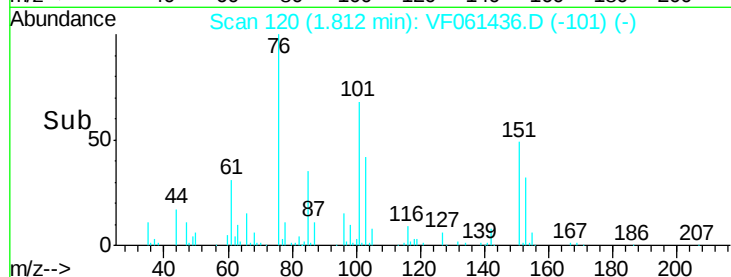
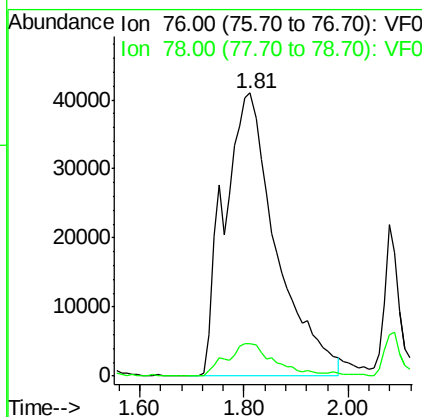
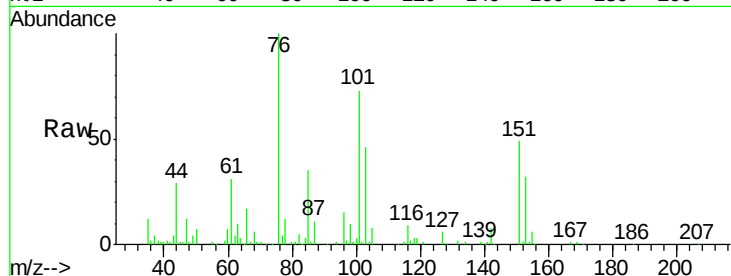




#17
Carbon Disulfide
Concen: 51.097 ug/l
RT: 1.81 min Scan# 120
Delta R.T. -0.01 min
Lab File: VF061436.D
Acq: 17 Jan 2019 10:56

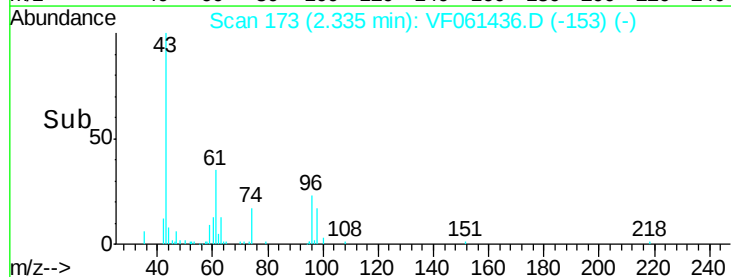
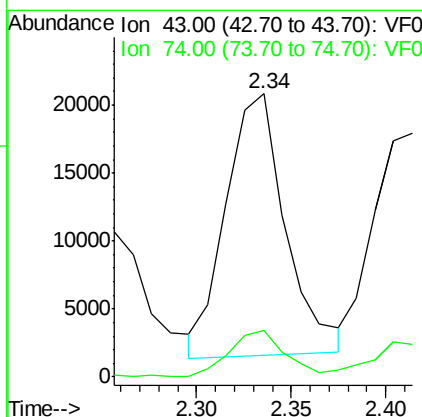
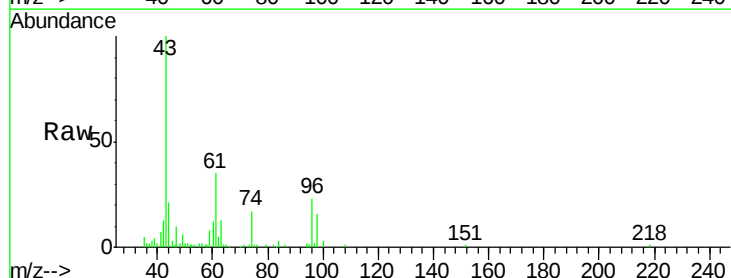
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

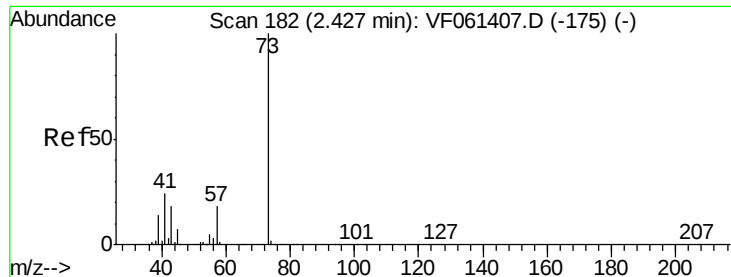
Tot Ion: 76 Resp: 280512
Ion Ratio Lower Upper
76 100
78 11.7 9.6 14.4



#18
Methyl Acetate
Concen: 43.508 ug/l
RT: 2.34 min Scan# 173
Delta R.T. -0.00 min
Lab File: VF061436.D
Acq: 17 Jan 2019 10:56

Tgt Ion: 43 Resp: 42305
Ion Ratio Lower Upper
43 100
74 16.6 13.4 20.0



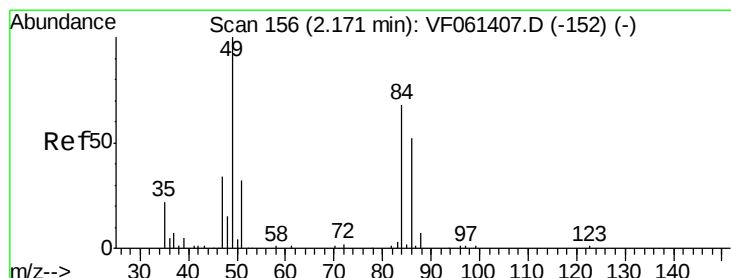
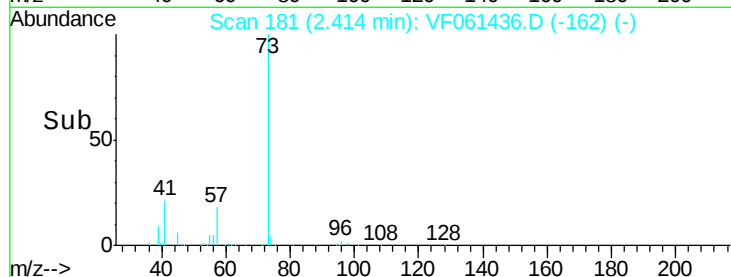
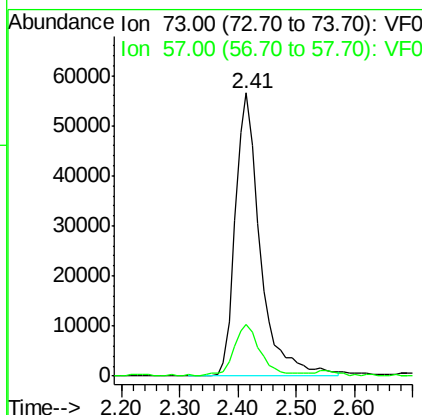
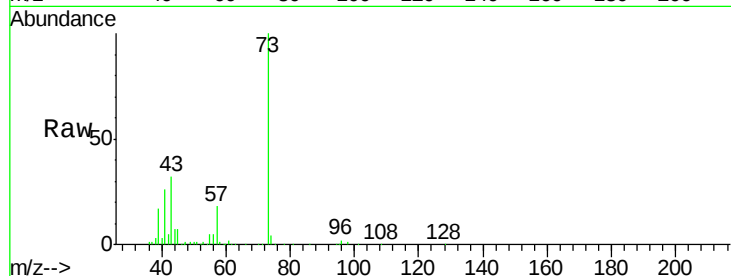


#19

Methyl tert-butyl Ether
 Concen: 42.834 ug/l
 RT: 2.41 min Scan# 181
 Delta R.T. -0.01 min
 Lab File: VF061436.D
 Acq: 17 Jan 2019 10:56

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

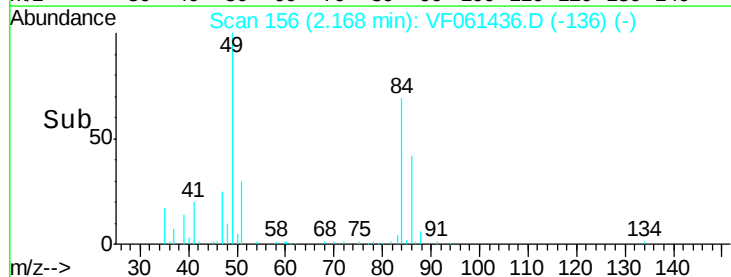
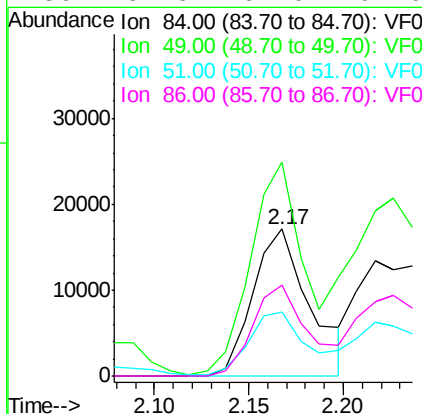
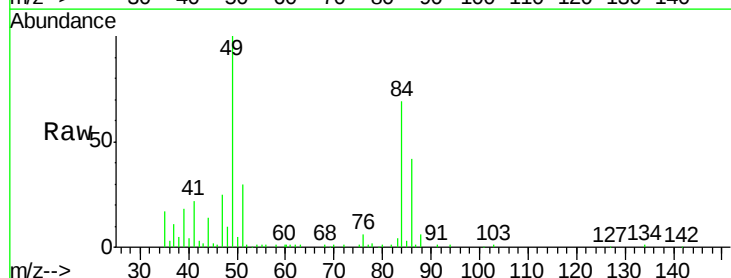
Tot Ion: 73 Resp: 169061
 Ion Ratio Lower Upper
 73 100
 57 18.2 14.8 22.2

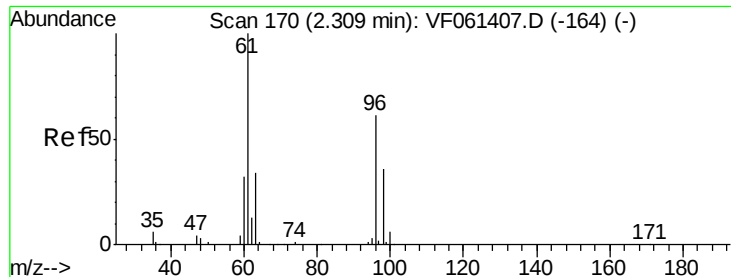


#20

Methylene Chloride
 Concen: 20.300 ug/l
 RT: 2.17 min Scan# 156
 Delta R.T. -0.00 min
 Lab File: VF061436.D
 Acq: 17 Jan 2019 10:56

Tgt Ion: 84 Resp: 35524
 Ion Ratio Lower Upper
 84 100
 49 145.2 120.0 180.0
 51 43.9 38.6 58.0
 86 61.6 61.0 91.6





#21

trans-1,2-Dichloroethene

Concen: 48.460 ug/l

RT: 2.30 min Scan# 169

Delta R.T. -0.01 min

Lab File: VF061436.D

Acq: 17 Jan 2019 10:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

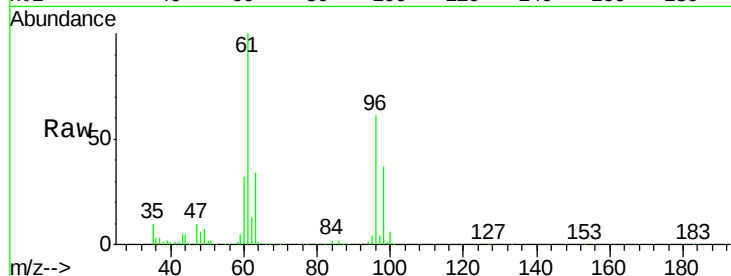
Tot Ion: 96 Resp: 93872

Ion Ratio Lower Upper

96 100

61 164.7 131.8 197.8

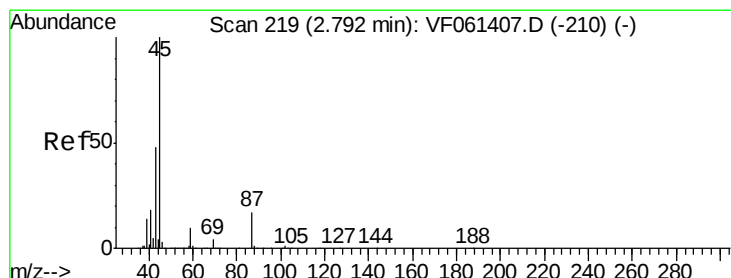
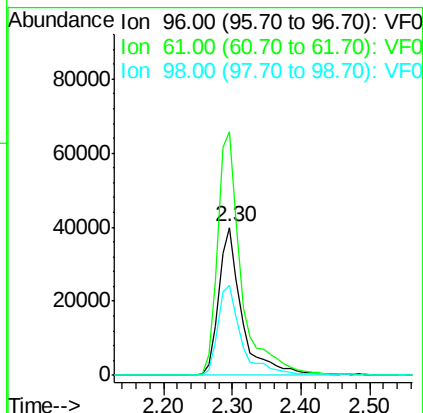
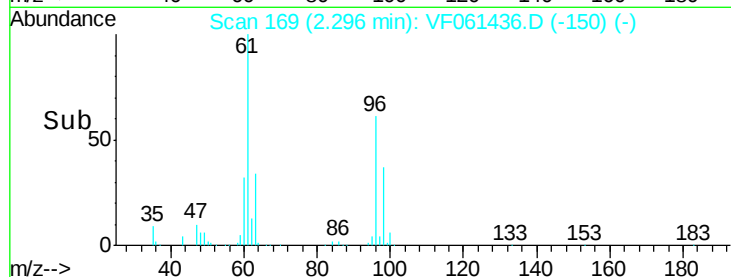
98 60.9 47.4 71.0



Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#22

Diisopropyl ether

Concen: 45.792 ug/l

RT: 2.78 min Scan# 218

Delta R.T. -0.01 min

Lab File: VF061436.D

Acq: 17 Jan 2019 10:56

Tgt Ion: 45 Resp: 286911

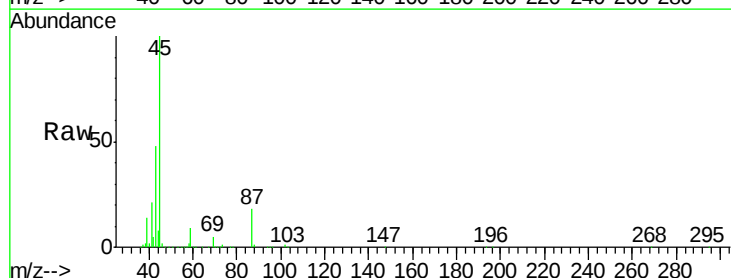
Ion Ratio Lower Upper

45 100

43 48.2 39.0 58.6

87 18.2 13.9 20.9

59 9.4 7.8 11.6

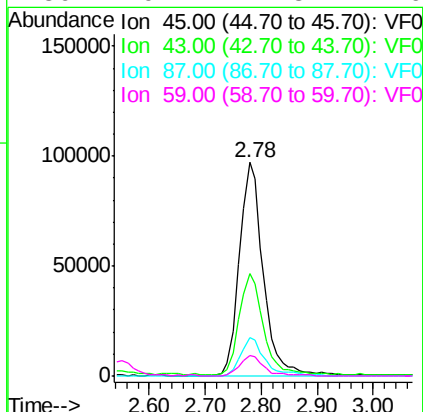
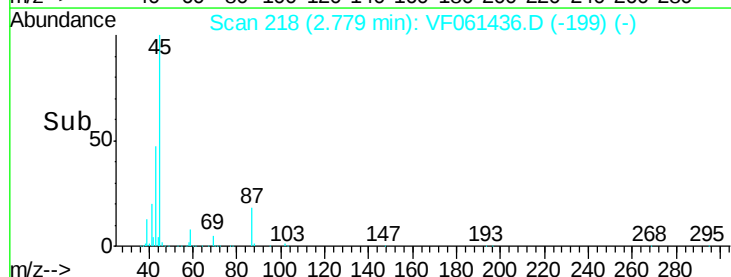


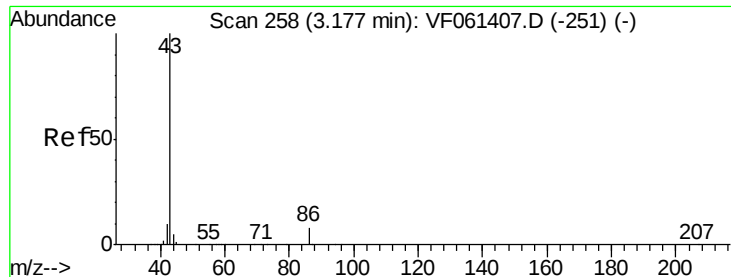
Abundance Ion 45.00 (44.70 to 45.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

Ion 59.00 (58.70 to 59.70): VF0





#23

Vinyl Acetate

Concen: 264.320 ug/l

RT: 3.16 min Scan# 257

Delta R.T. -0.01 min

Lab File: VF061436.D

Acq: 17 Jan 2019 10:56

Instrument :

MSVOA_F

ClientSampleId :

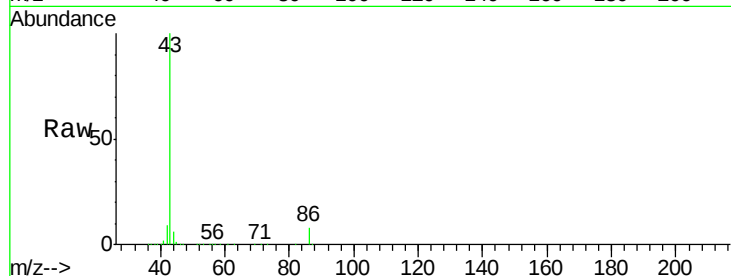
VSTDCCC050

Tot Ion: 43 Resp: 728947

Ion Ratio Lower Upper

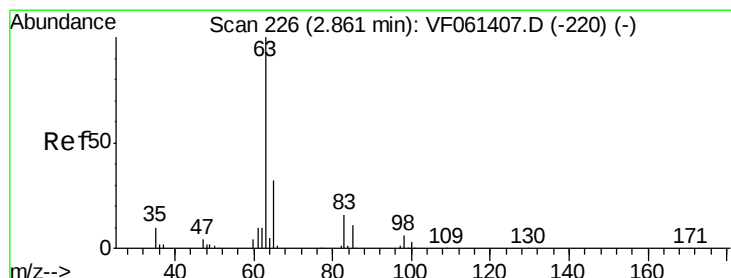
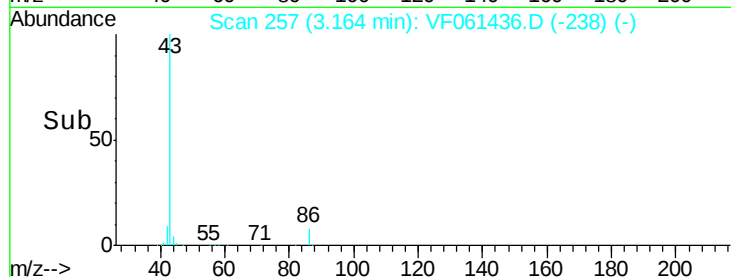
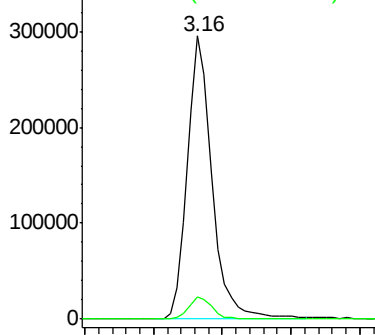
43 100

86 7.9 6.2 9.4



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 48.821 ug/l

RT: 2.85 min Scan# 225

Delta R.T. -0.01 min

Lab File: VF061436.D

Acq: 17 Jan 2019 10:56

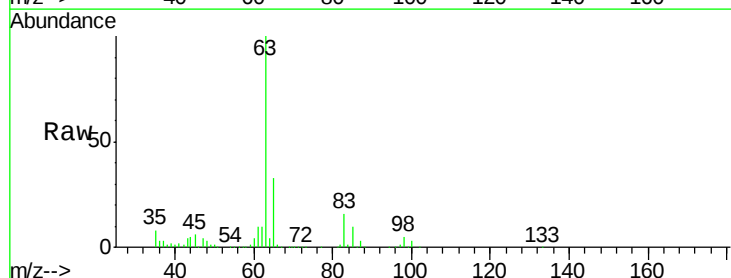
Tgt Ion: 63 Resp: 191982

Ion Ratio Lower Upper

63 100

98 4.8 2.9 8.8

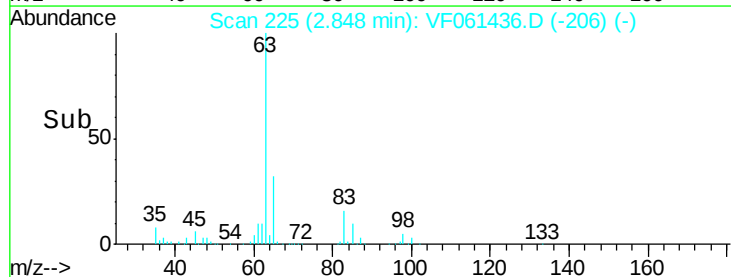
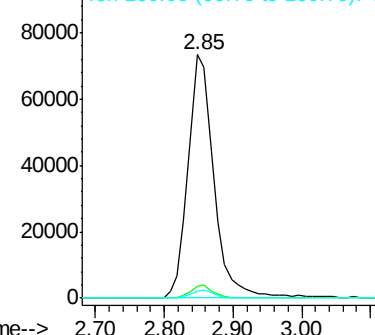
100 2.9 1.6 4.8

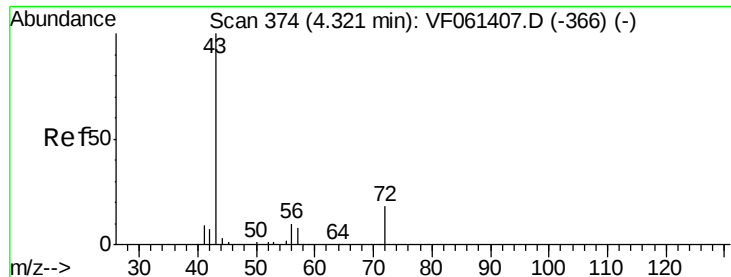


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 257.231 ug/l

RT: 4.31 min Scan# 373

Delta R.T. -0.01 min

Lab File: VF061436.D

Acq: 17 Jan 2019 10:56

Instrument :

MSVOA_F

ClientSampleId :

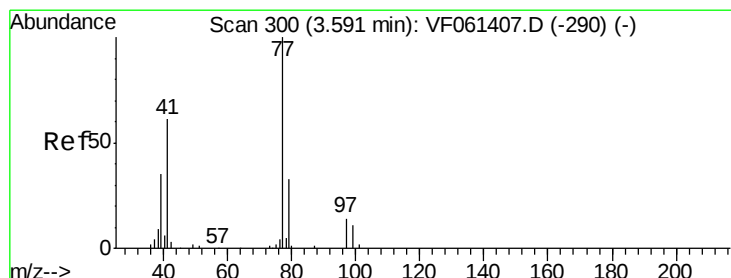
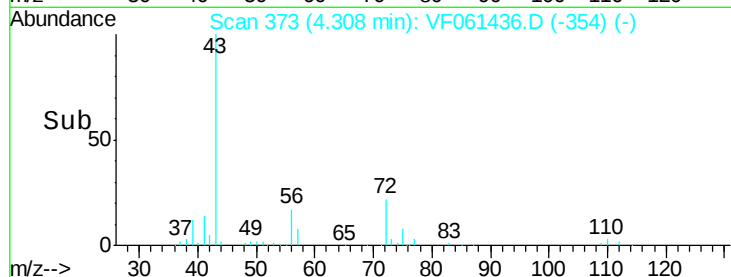
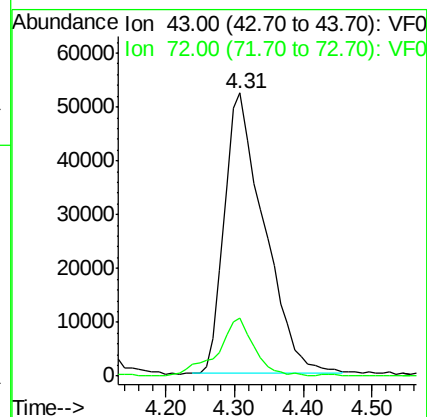
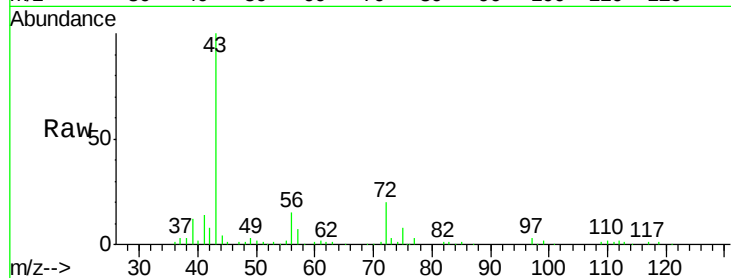
VSTDCCC050

Tot Ion: 43 Resp: 209736

Ion Ratio Lower Upper

43 100

72 20.4 15.8 23.6



#26

2,2-Dichloropropane

Concen: 46.609 ug/l

RT: 3.58 min Scan# 299

Delta R.T. -0.01 min

Lab File: VF061436.D

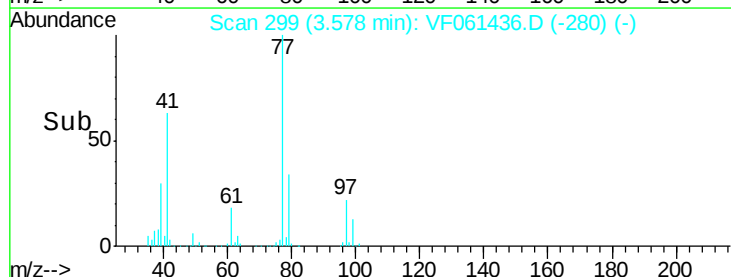
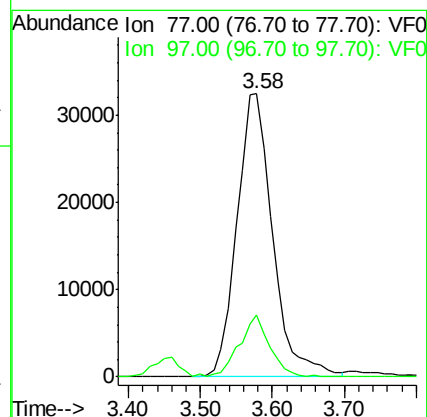
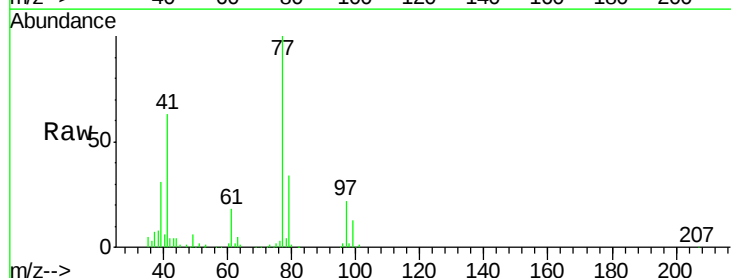
Acq: 17 Jan 2019 10:56

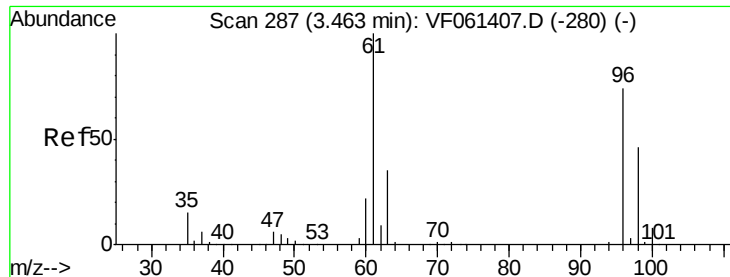
Tgt Ion: 77 Resp: 112610

Ion Ratio Lower Upper

77 100

97 21.7 8.5 25.5



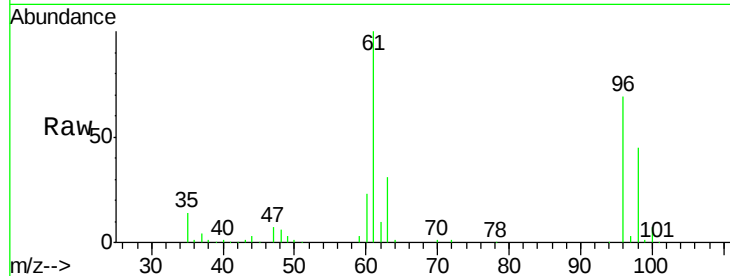


#27

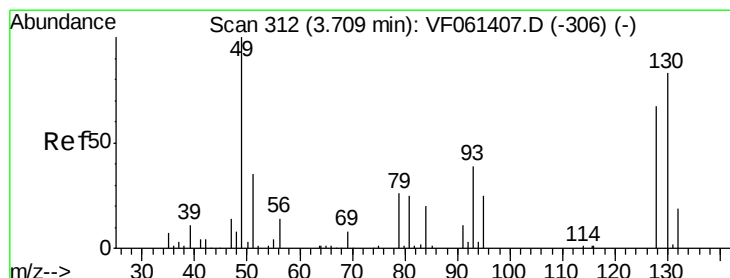
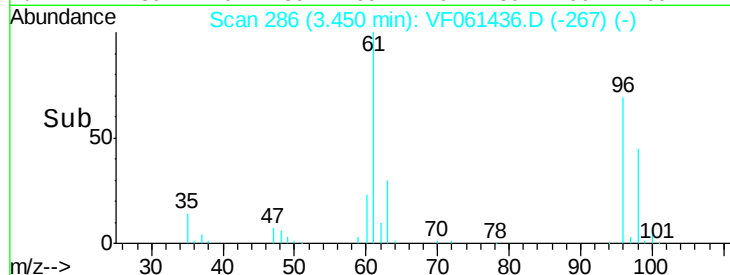
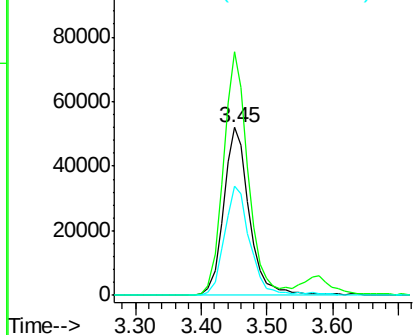
cis-1,2-Dichloroethene
Concen: 49.626 ug/l
RT: 3.45 min Scan# 286
Delta R.T. -0.01 min
Lab File: VF061436.D
Acq: 17 Jan 2019 10:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	145.1	0.0	270.2
98	64.9	0.0	124.0



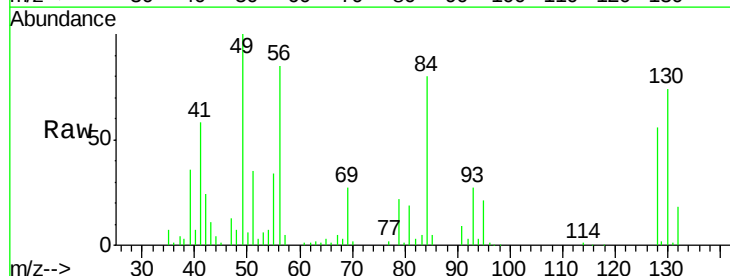
Abundance Ion 96.00 (95.70 to 96.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 98.00 (97.70 to 98.70): VF0



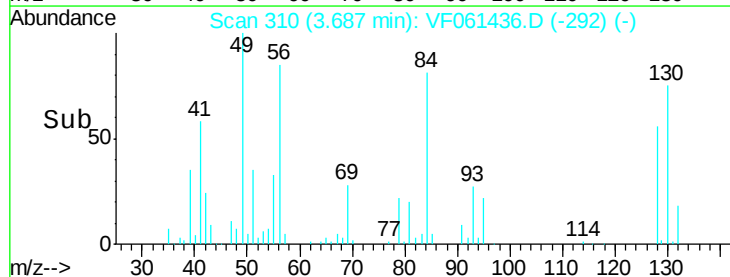
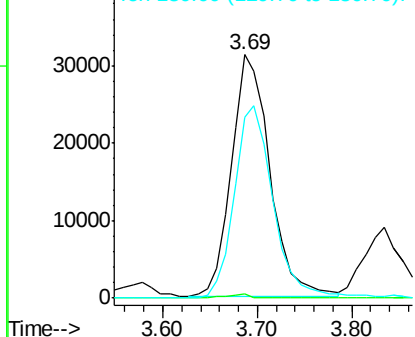
#28

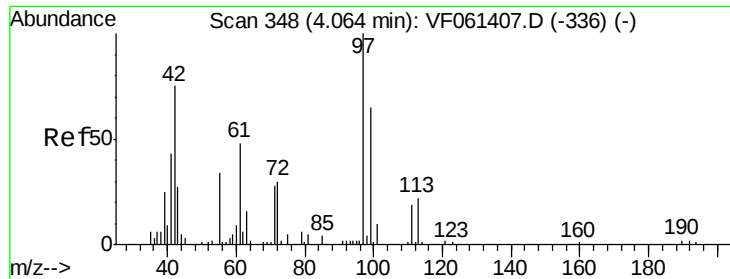
Bromochloromethane
Concen: 50.061 ug/l
RT: 3.69 min Scan# 310
Delta R.T. -0.02 min
Lab File: VF061436.D
Acq: 17 Jan 2019 10:56

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	0.0#
130	74.1	65.4	98.2



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





#29

Tetrahydrofuran

Concen: 221.104 ug/l

RT: 4.04 min Scan# 346

Delta R.T. -0.02 min

Lab File: VF061436.D

Acq: 17 Jan 2019 10:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

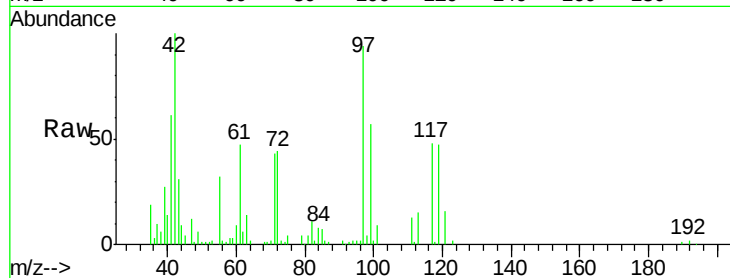
Tot Ion: 42 Resp: 77627

Ion Ratio Lower Upper

42 100

72 39.3 28.9 43.3

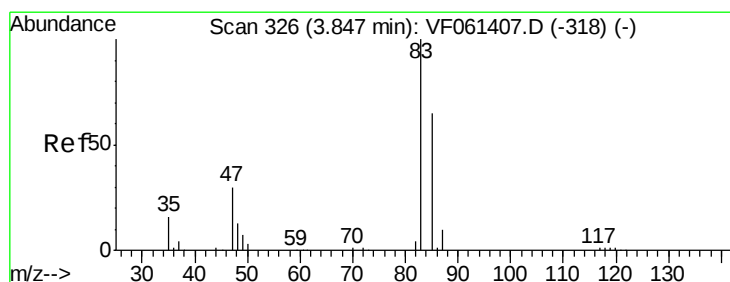
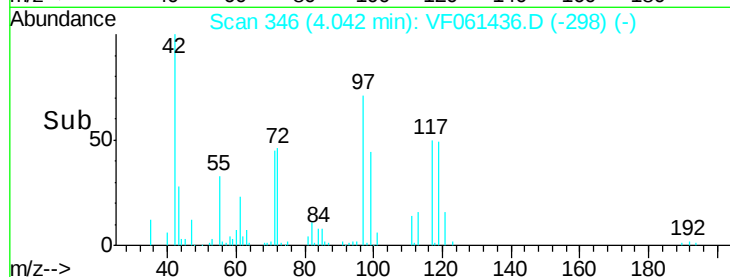
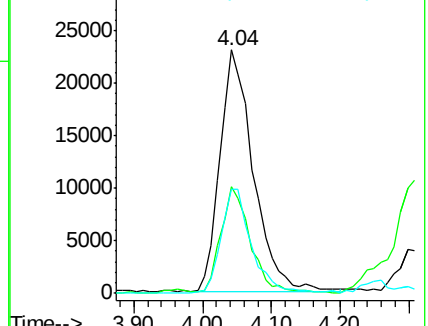
71 39.4 29.6 44.4



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: 46.526 ug/l

RT: 3.83 min Scan# 325

Delta R.T. -0.01 min

Lab File: VF061436.D

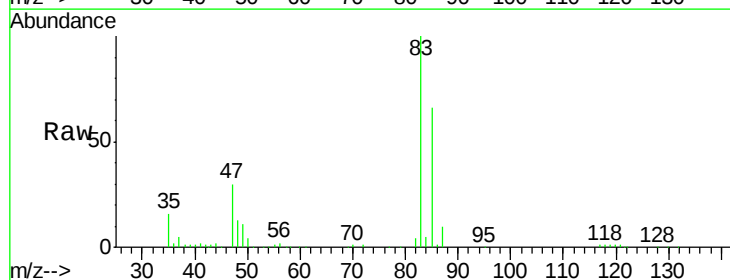
Acq: 17 Jan 2019 10:56

Tgt Ion: 83 Resp: 246918

Ion Ratio Lower Upper

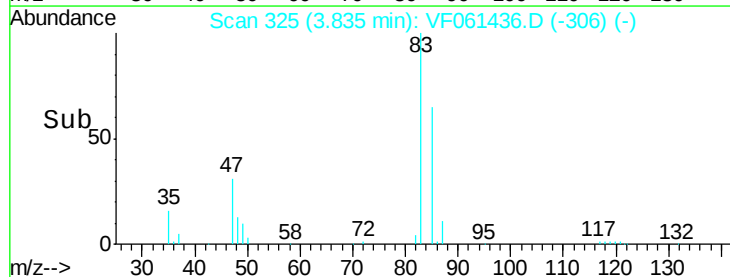
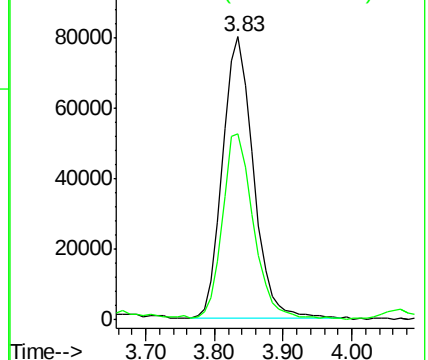
83 100

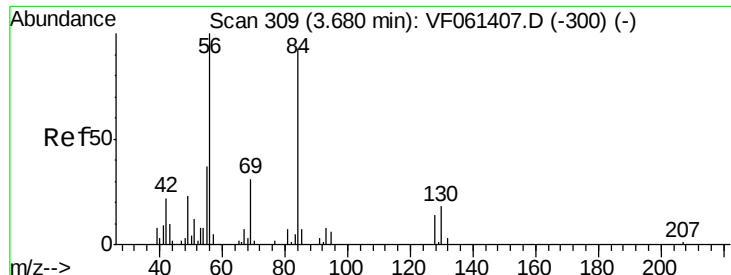
85 65.6 52.7 79.1



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0





#31

Cvclohexane

Concen: 50.915 ug/l

RT: 3.67 min Scan# 308

Delta R.T. -0.01 min

Lab File: VF061436.D

Acq: 17 Jan 2019 10:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

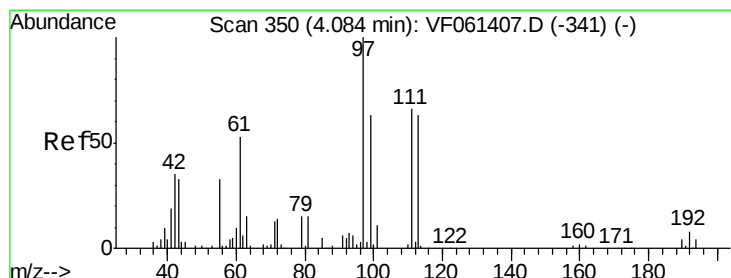
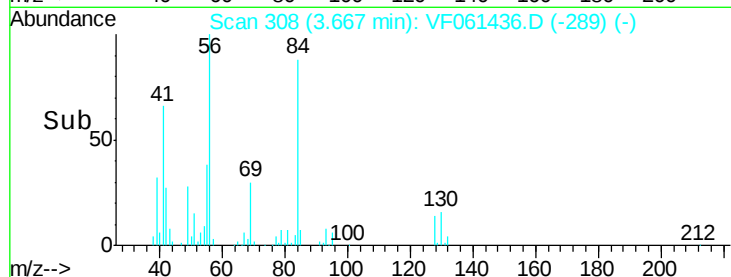
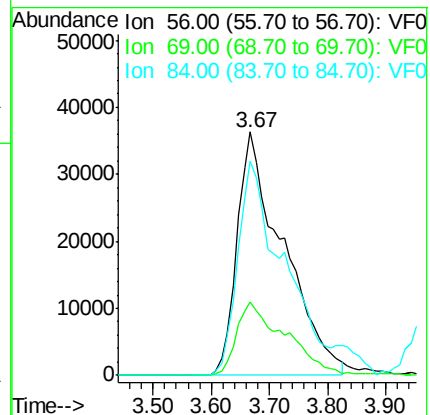
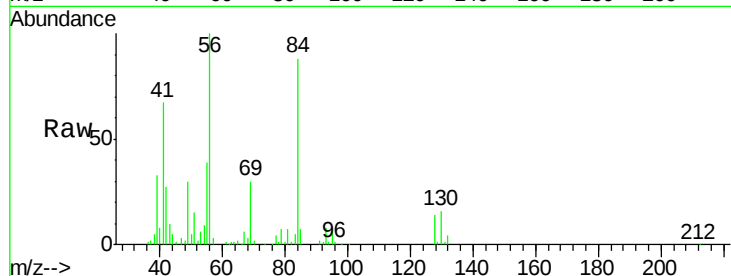
Tot Ion: 56 Resp: 200000

Ion Ratio Lower Upper

56 100

69 30.2 24.6 36.8

84 87.7 74.2 111.2



#32

1,1,1-Trichloroethane

Concen: 48.374 ug/l

RT: 4.07 min Scan# 349

Delta R.T. -0.01 min

Lab File: VF061436.D

Acq: 17 Jan 2019 10:56

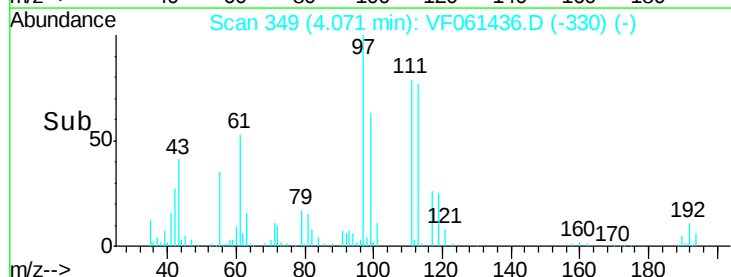
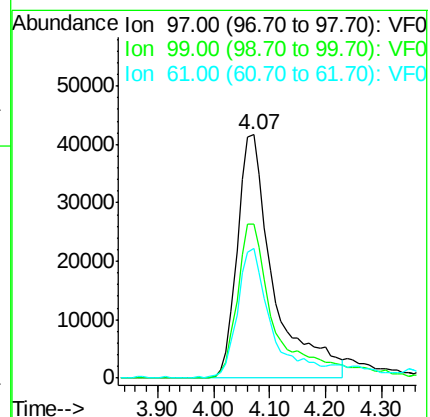
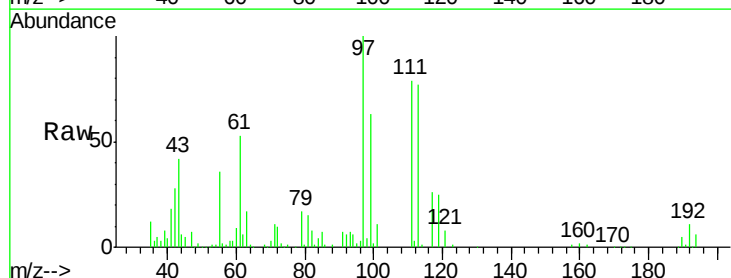
Tgt Ion: 97 Resp: 188240

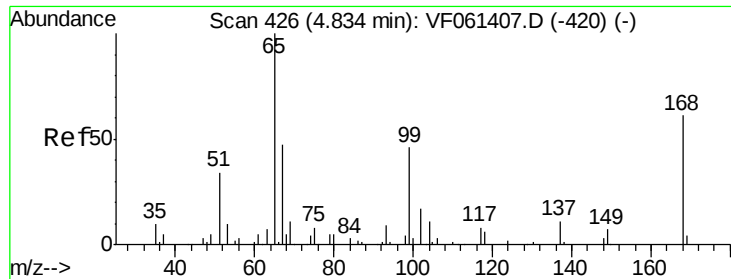
Ion Ratio Lower Upper

97 100

99 63.2 50.1 75.1

61 53.5 43.1 64.7





#33

1,2-Dichloroethane-d4

Concen: 47.432 ug/l

RT: 4.82 min Scan# 425

Delta R.T. -0.01 min

Lab File: VF061436.D

Acq: 17 Jan 2019 10:56

Instrument :

MSVOA_F

ClientSampleId :

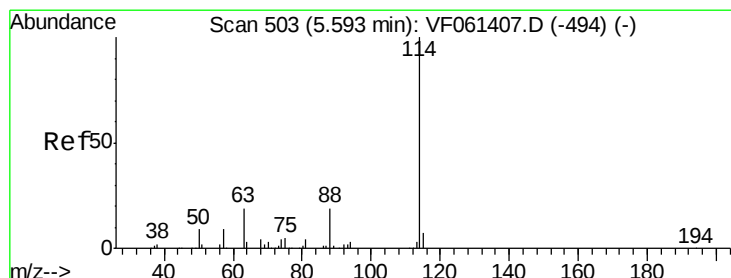
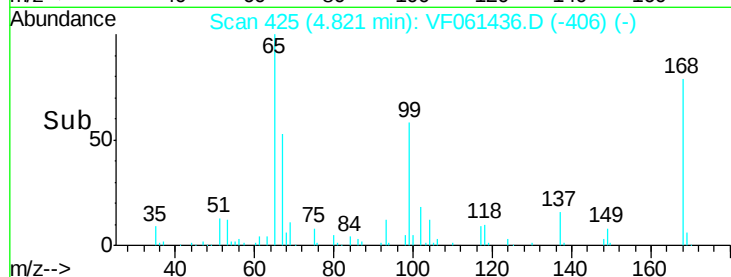
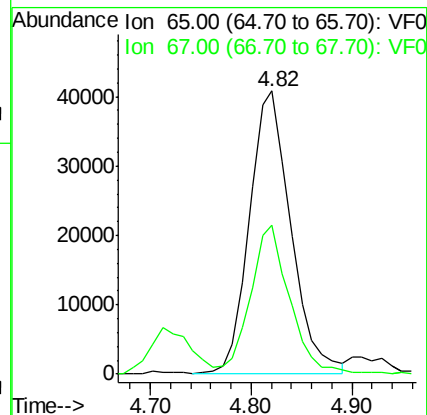
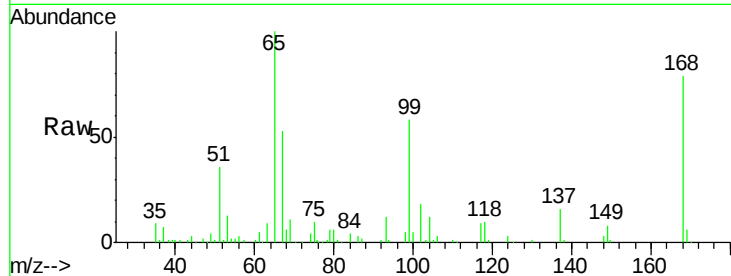
VSTDCCC050

Tot Ion: 65 Resp: 115927

Ion Ratio Lower Upper

65 100

67 52.7 0.0 99.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.57 min Scan# 501

Delta R.T. -0.02 min

Lab File: VF061436.D

Acq: 17 Jan 2019 10:56

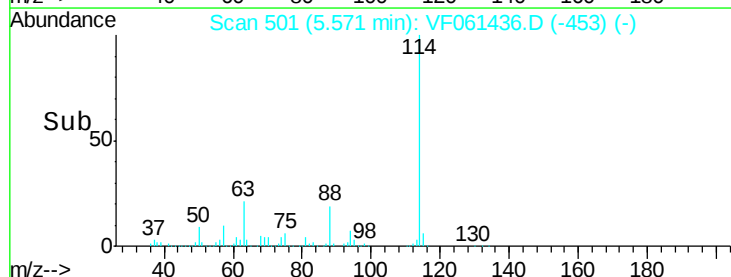
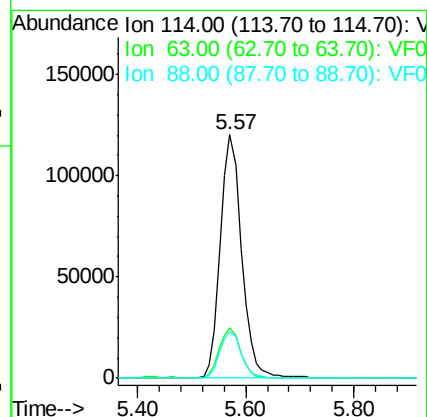
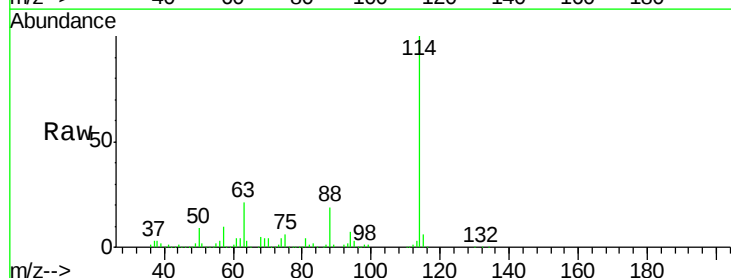
Tgt Ion: 114 Resp: 330746

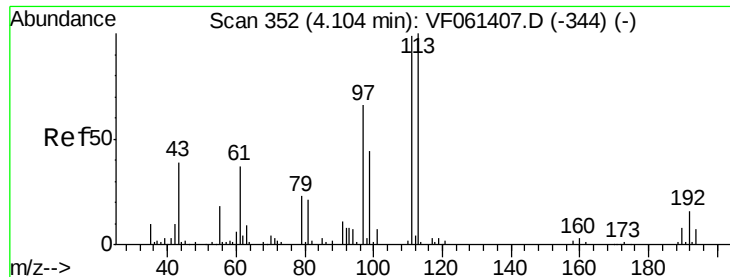
Ion Ratio Lower Upper

114 100

63 20.7 0.0 39.0

88 19.3 0.0 37.4





#35

Dibromofluoromethane

Concen: 51.272 ug/l

RT: 4.08 min Scan# 350

Delta R.T. -0.02 min

Lab File: VF061436.D

Acq: 17 Jan 2019 10:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

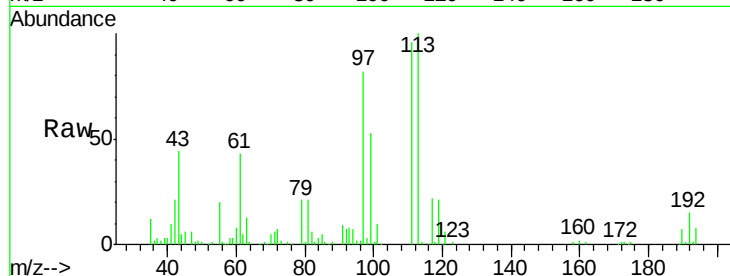
Tot Ion:113 Resp: 133812

Ion Ratio Lower Upper

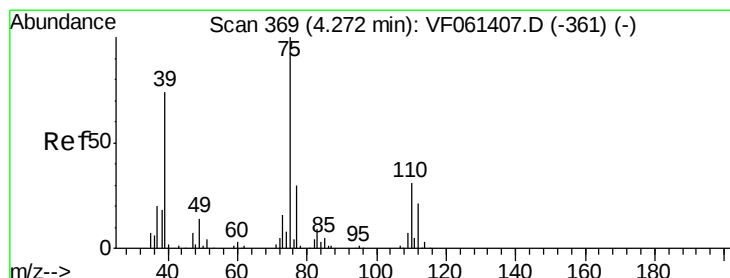
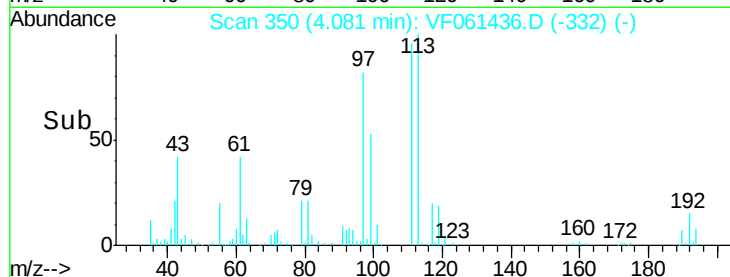
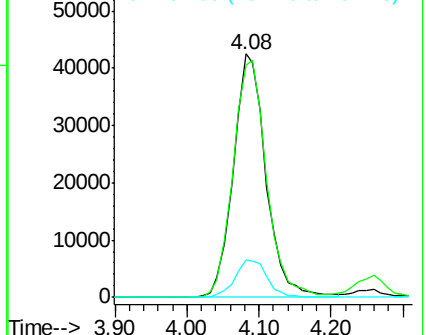
113 100

111 95.6 79.4 119.0

192 15.2 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: 51.788 ug/l

RT: 4.26 min Scan# 368

Delta R.T. -0.01 min

Lab File: VF061436.D

Acq: 17 Jan 2019 10:56

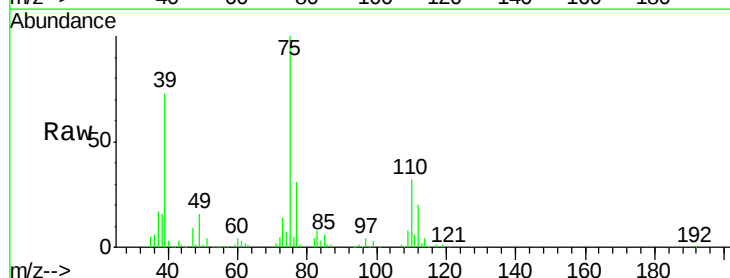
Tgt Ion: 75 Resp: 198600

Ion Ratio Lower Upper

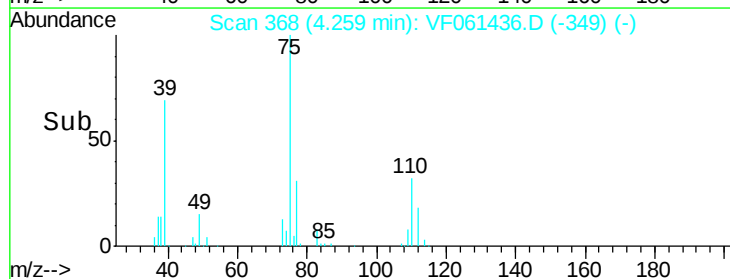
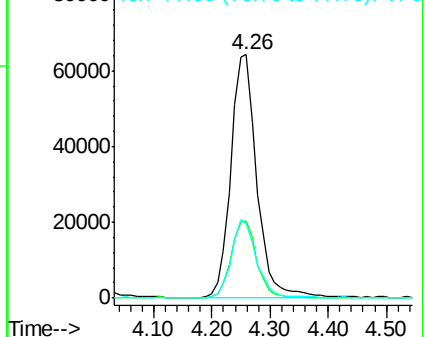
75 100

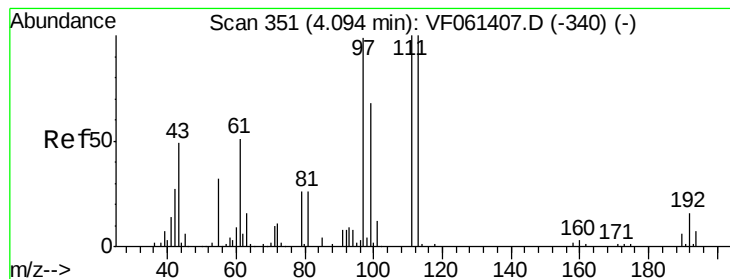
110 31.6 15.8 47.3

77 30.8 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: 50.105 ug/l

RT: 4.08 min Scan# 350

Delta R.T. -0.01 min

Lab File: VF061436.D

Acq: 17 Jan 2019 10:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

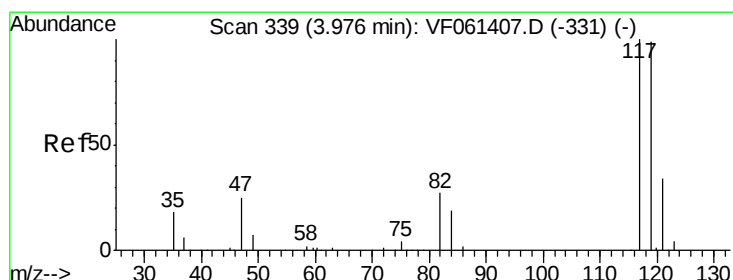
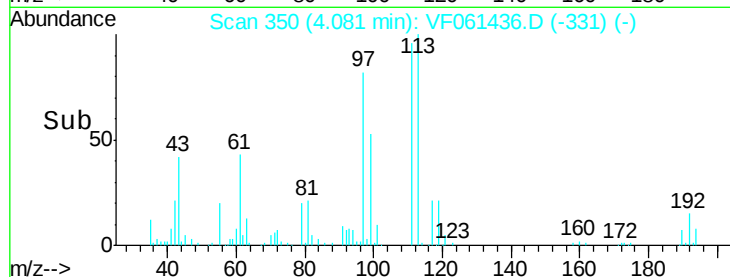
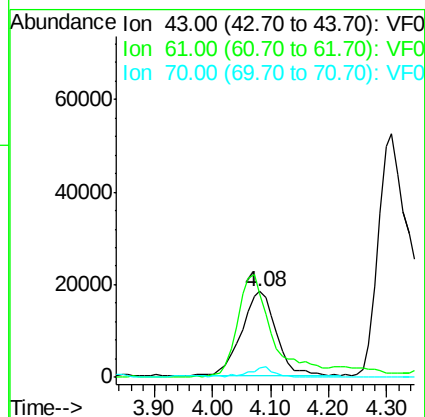
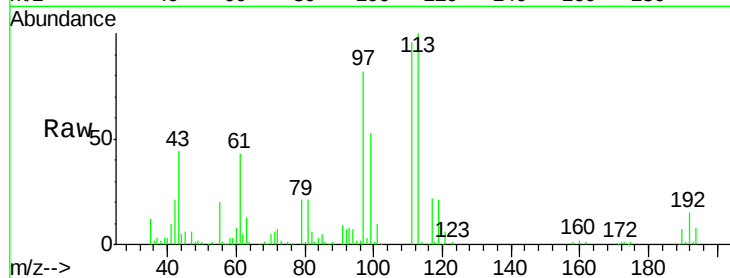
Tot Ion: 43 Resp: 76807

Ion Ratio Lower Upper

43 100

61 97.8 81.7 122.5

70 10.4 6.2 9.2#



#38

Carbon Tetrachloride

Concen: 47.997 ug/l

RT: 3.96 min Scan# 338

Delta R.T. -0.01 min

Lab File: VF061436.D

Acq: 17 Jan 2019 10:56

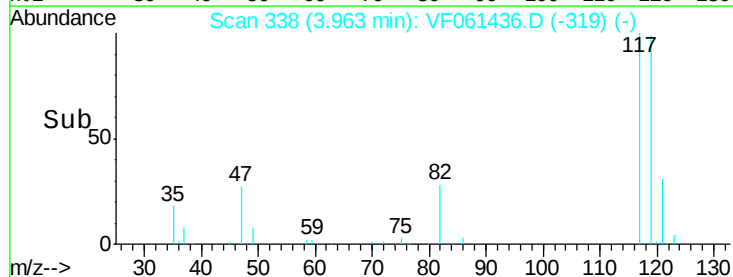
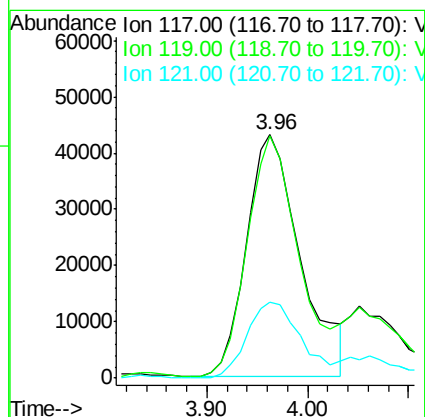
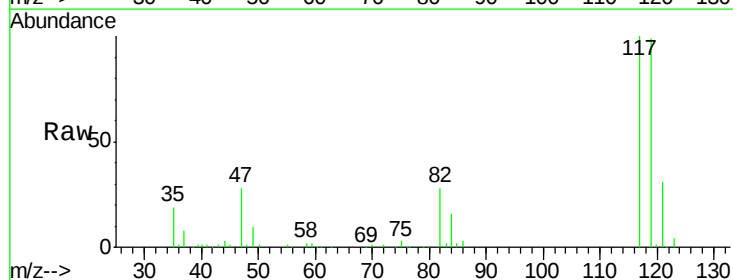
Tgt Ion: 117 Resp: 160912

Ion Ratio Lower Upper

117 100

119 99.3 79.0 118.6

121 31.6 27.0 40.6

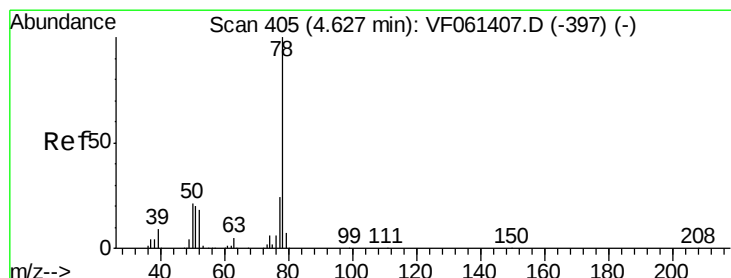
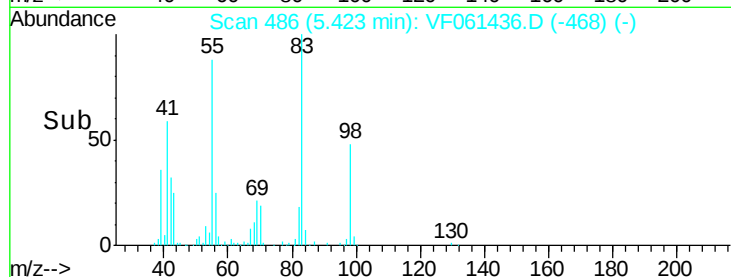
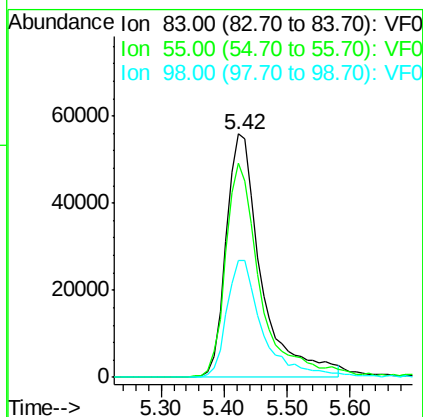
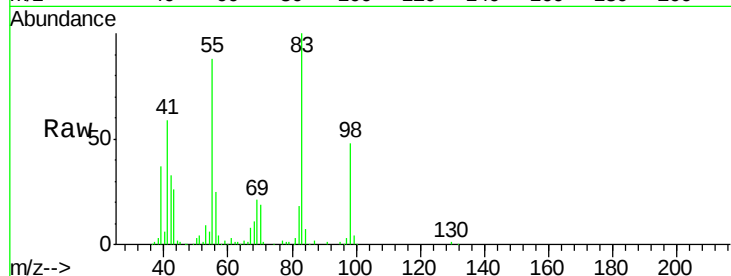




#39
Methvlcvclohexane
Concen: 51.913 ug/l
RT: 5.42 min Scan# 486
Delta R.T. -0.02 min
Lab File: VF061436.D
Acq: 17 Jan 2019 10:56

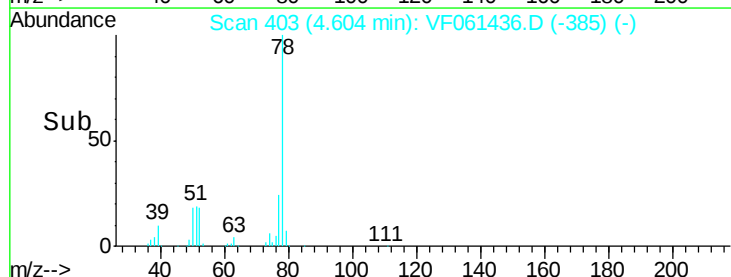
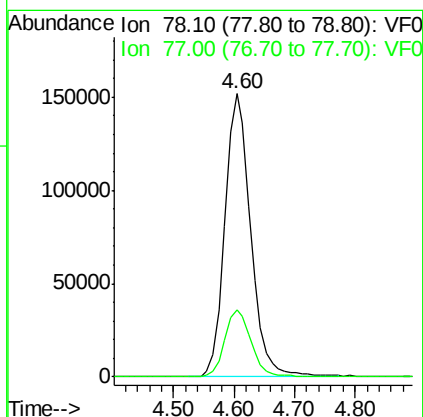
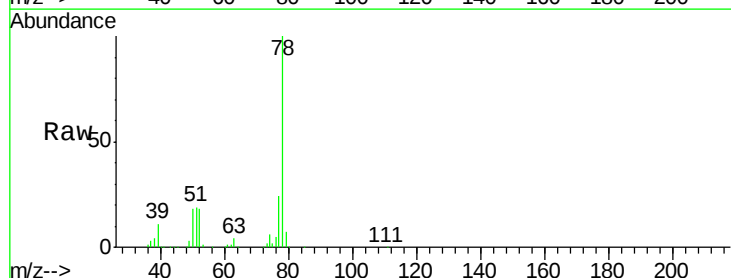
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 215743
Ion Ratio Lower Upper
83 100
55 88.2 67.4 101.2
98 48.0 36.7 55.1



#40
Benzene
Concen: 52.750 ug/l
RT: 4.60 min Scan# 403
Delta R.T. -0.02 min
Lab File: VF061436.D
Acq: 17 Jan 2019 10:56

Tgt Ion: 78 Resp: 450125
Ion Ratio Lower Upper
78 100
77 23.9 19.0 28.6

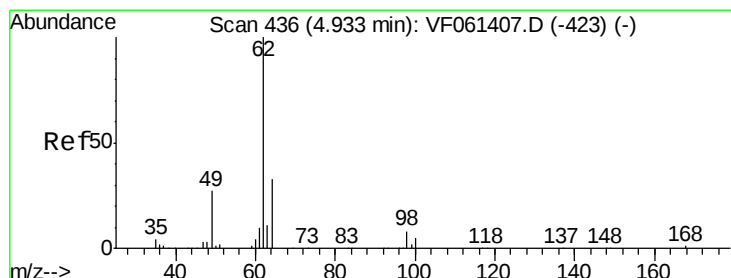
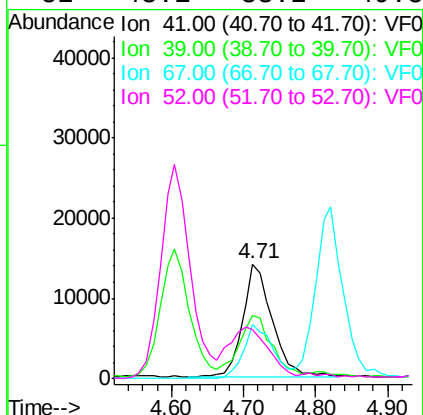
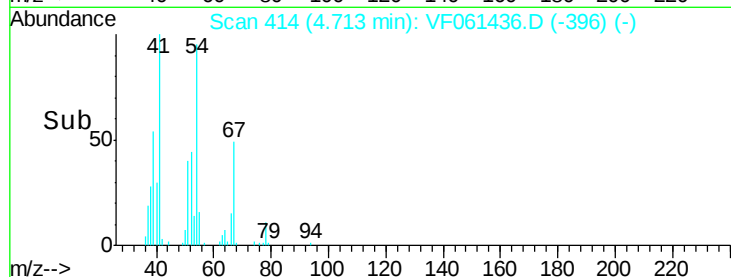
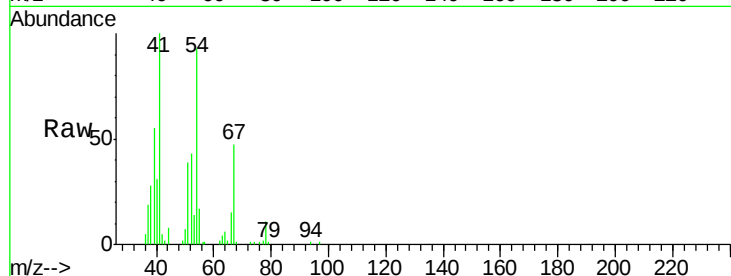




#41
Methacrylonitrile
Concen: 49.221 ug/l
RT: 4.71 min Scan# 414
Delta R.T. -0.02 min
Lab File: VF061436.D
Acq: 17 Jan 2019 10:56

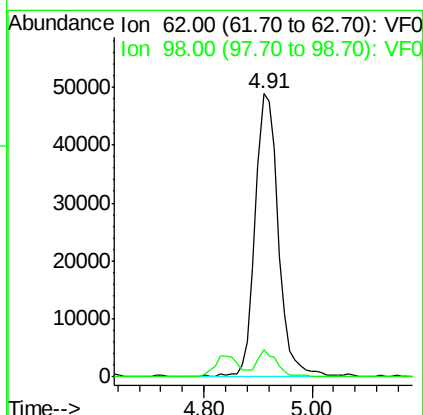
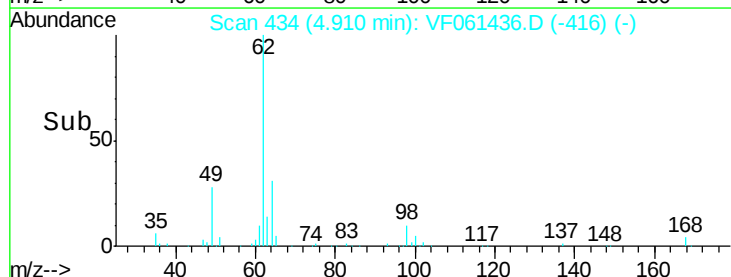
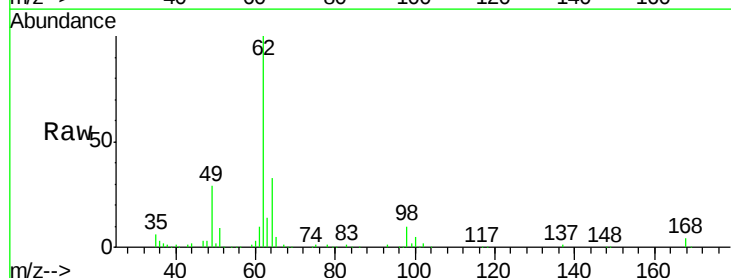
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

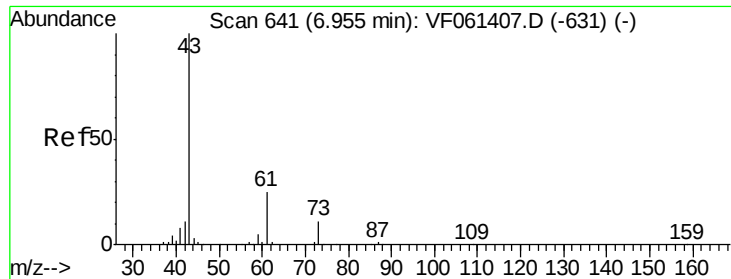
Tot Ion:	41	Resp:	40148
Ion	Ratio	Lower	Upper
41	100		
39	54.6	43.1	64.7
67	47.3	38.8	58.2
52	43.1	33.2	49.8



#42
1,2-Dichloroethane
Concen: 48.138 ug/l
RT: 4.91 min Scan# 434
Delta R.T. -0.02 min
Lab File: VF061436.D
Acq: 17 Jan 2019 10:56

Tgt Ion:	62	Resp:	146375
Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	17.0



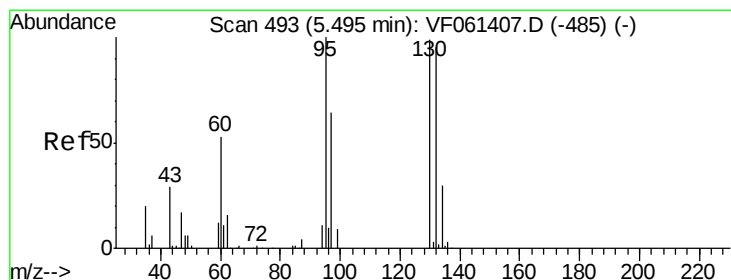
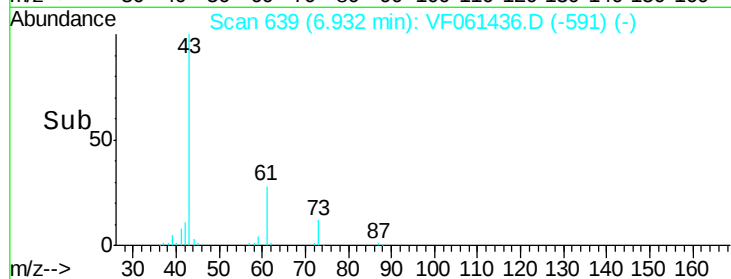
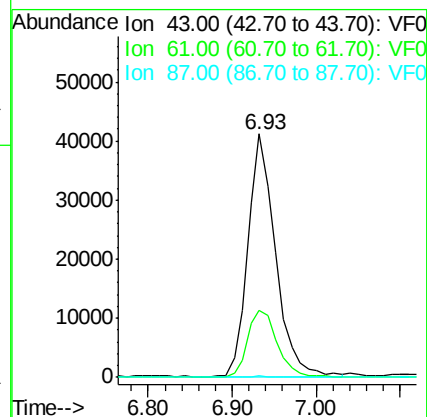
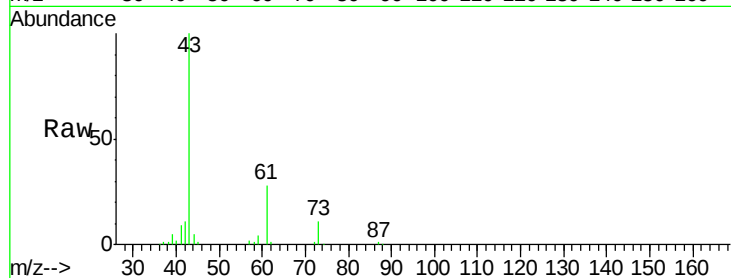


#43

Isopropyl Acetate
 Concen: 49.661 ug/l
 RT: 6.93 min Scan# 639
 Delta R.T. -0.02 min
 Lab File: VF061436.D
 Acq: 17 Jan 2019 10:56

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

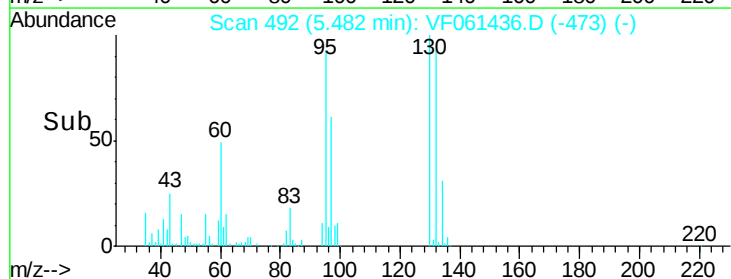
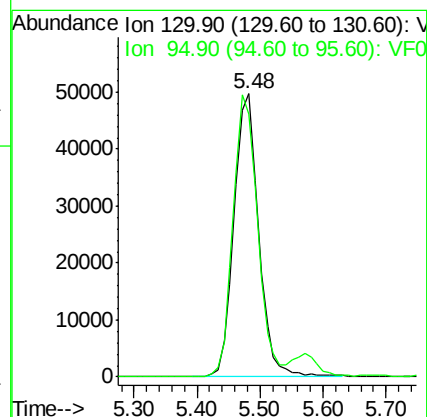
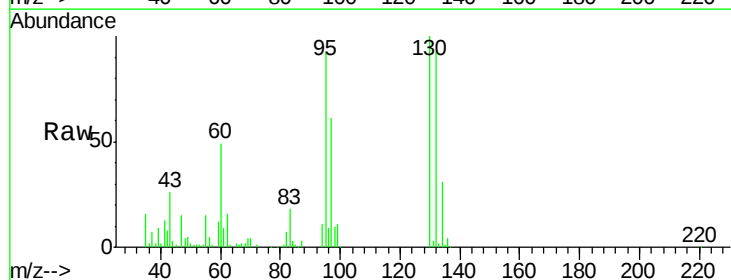
Tot Ion: 43 Resp: 95543
 Ion Ratio Lower Upper
 43 100
 61 27.5 20.3 30.5
 87 0.6 0.5 0.7

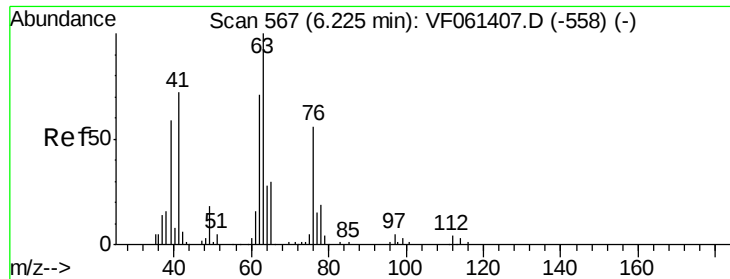


#44

Trichloroethene
 Concen: 51.373 ug/l
 RT: 5.48 min Scan# 492
 Delta R.T. -0.01 min
 Lab File: VF061436.D
 Acq: 17 Jan 2019 10:56

Tgt Ion: 130 Resp: 134478
 Ion Ratio Lower Upper
 130 100
 95 93.1 0.0 202.8





#45

1,2-Dichloropropane

Concen: 50.874 ug/l

RT: 6.21 min Scan# 566

Delta R.T. -0.01 min

Lab File: VF061436.D

Acq: 17 Jan 2019 10:56

Instrument :

MSVOA_F

ClientSampleId :

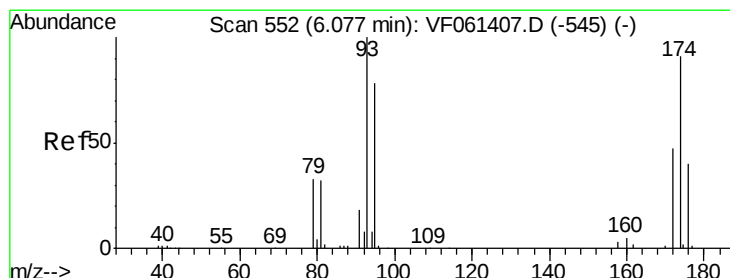
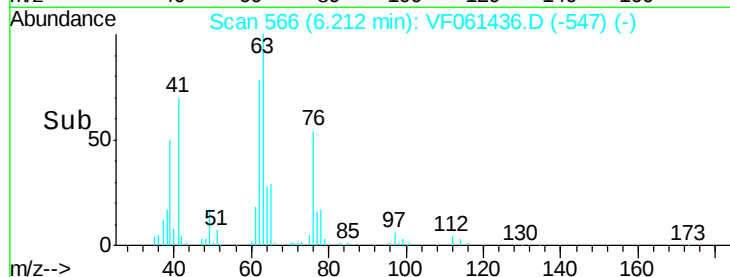
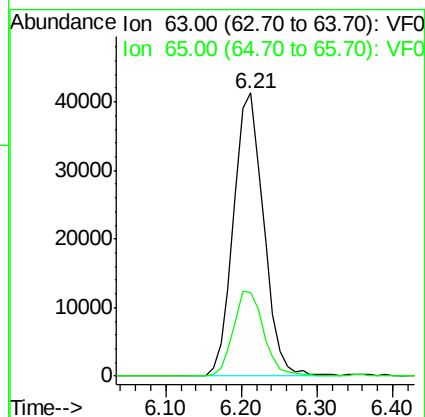
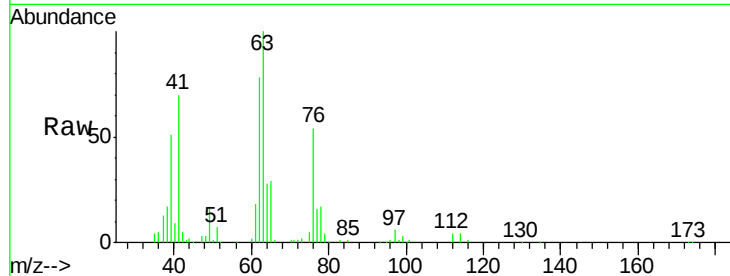
VSTDCCC050

Tot Ion: 63 Resp: 113935

Ion Ratio Lower Upper

63 100

65 29.4 24.4 36.6



#46

Dibromomethane

Concen: 47.193 ug/l

RT: 6.06 min Scan# 551

Delta R.T. -0.01 min

Lab File: VF061436.D

Acq: 17 Jan 2019 10:56

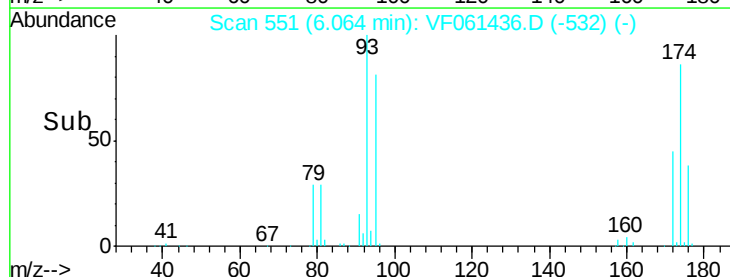
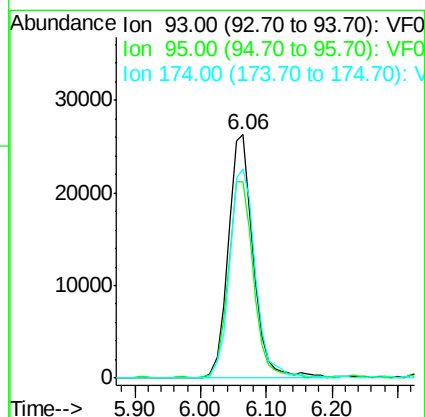
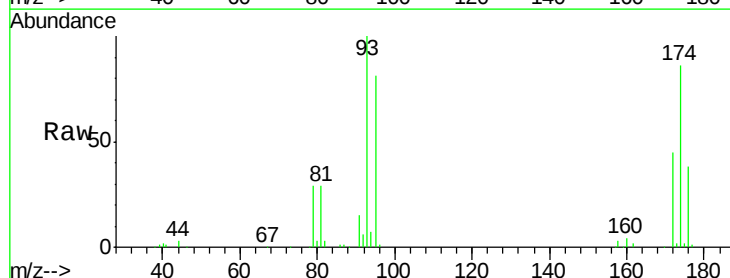
Tgt Ion: 93 Resp: 70278

Ion Ratio Lower Upper

93 100

95 80.6 62.1 93.1

174 86.0 74.6 111.8





#47

Bromodichloromethane

Concen: 51.661 ug/l

RT: 6.36 min Scan# 581

Delta R.T. -0.01 min

Lab File: VF061436.D

Acq: 17 Jan 2019 10:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

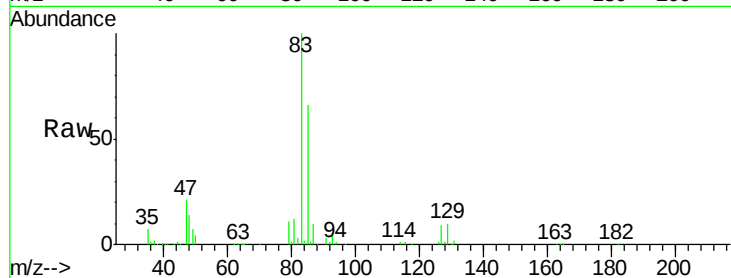
Tot Ion: 83 Resp: 190345

Ion Ratio Lower Upper

83 100

85 66.5 53.0 79.4

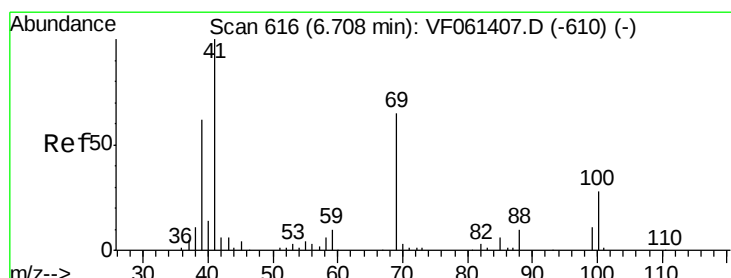
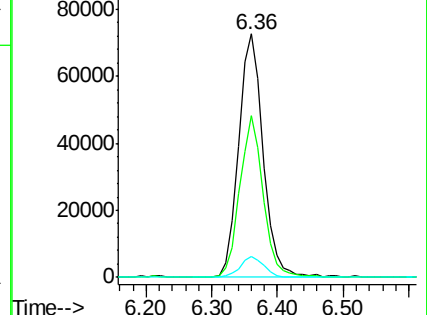
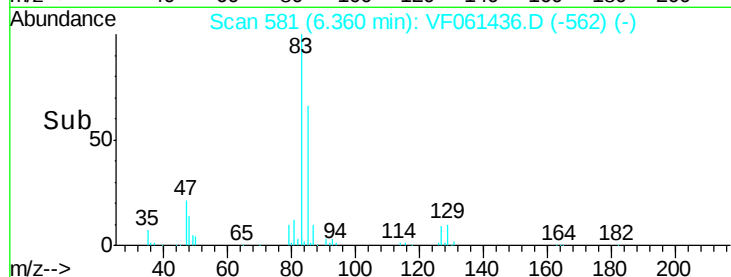
127 8.6 6.9 10.3



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: 45.725 ug/l

RT: 6.70 min Scan# 615

Delta R.T. -0.01 min

Lab File: VF061436.D

Acq: 17 Jan 2019 10:56

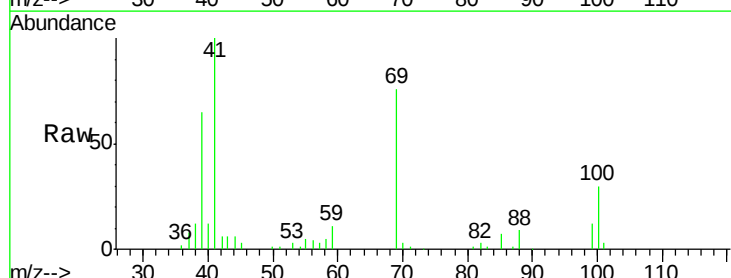
Tgt Ion: 41 Resp: 59073

Ion Ratio Lower Upper

41 100

69 75.7 51.7 77.5

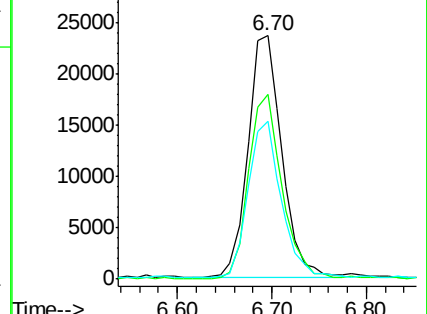
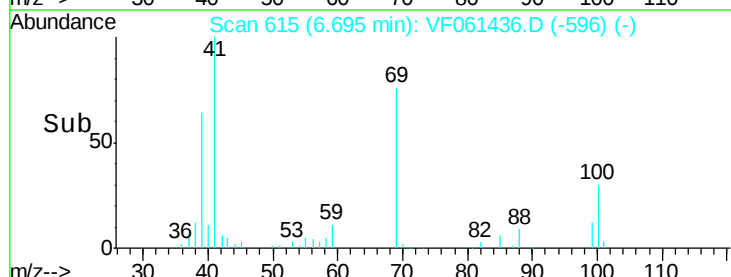
39 64.8 49.2 73.8

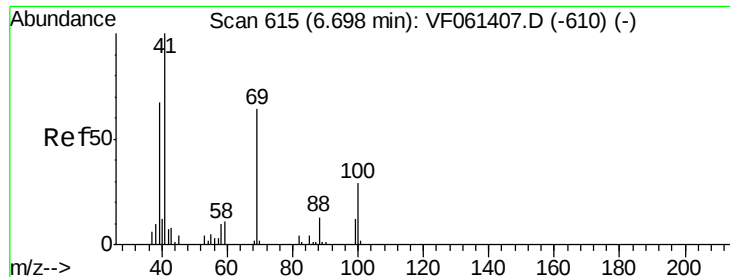


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 971.395 ug/l

RT: 6.69 min Scan# 614

Delta R.T. -0.01 min

Lab File: VF061436.D

Acq: 17 Jan 2019 10:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

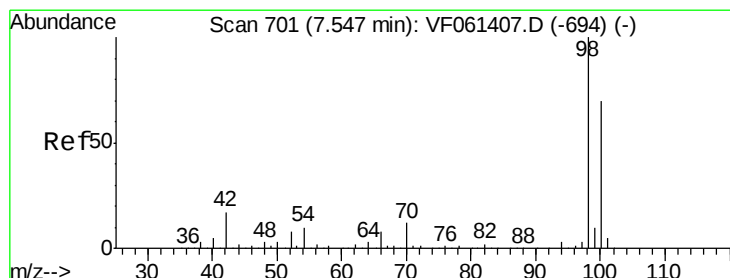
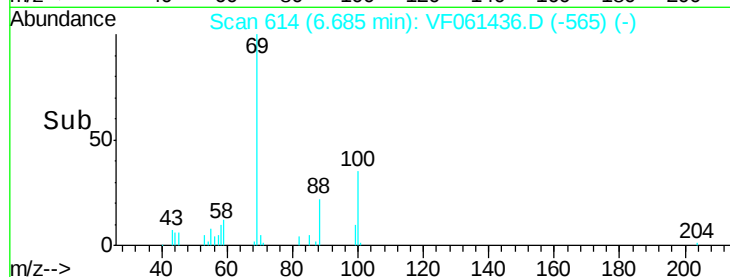
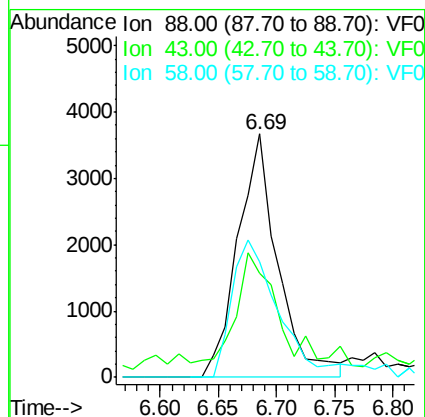
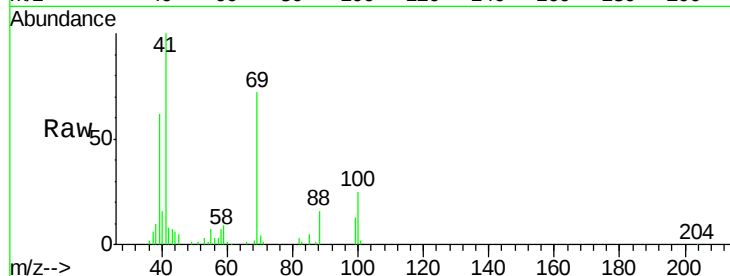
Tot Ion: 88 Resp: 8778

Ion Ratio Lower Upper

88 100

43 43.0 55.5 83.3#

58 47.4 59.9 89.9#



#50

Toluene-d8

Concen: 55.136 ug/l

RT: 7.53 min Scan# 700

Delta R.T. -0.01 min

Lab File: VF061436.D

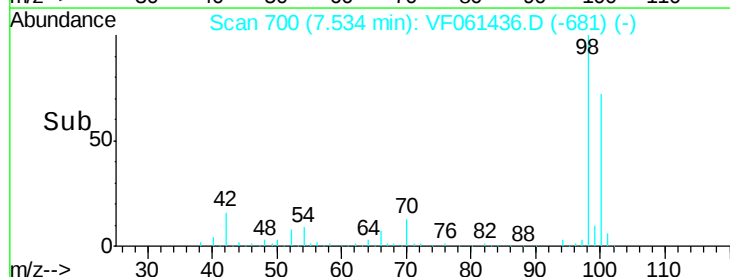
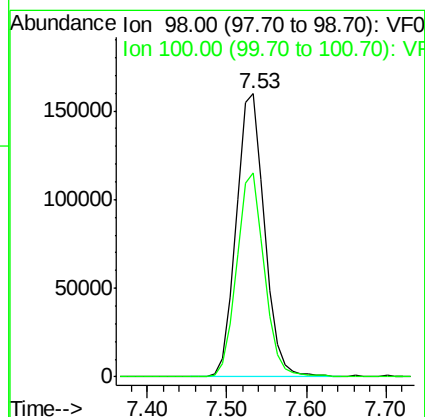
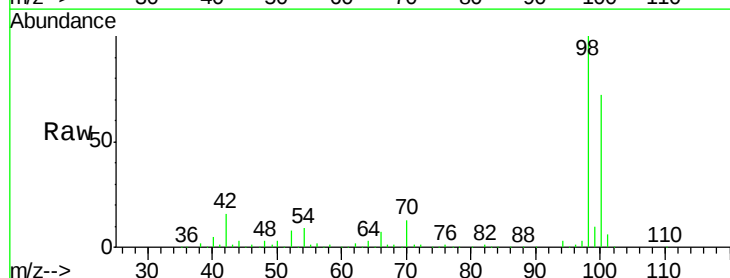
Acq: 17 Jan 2019 10:56

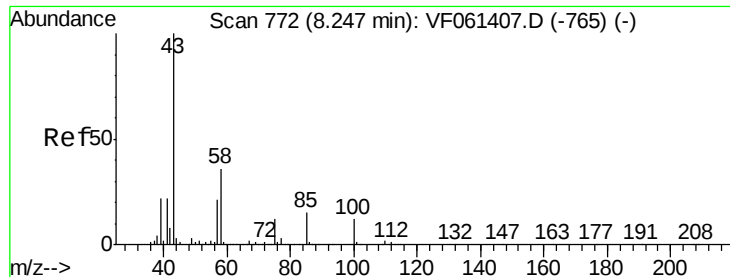
Tgt Ion: 98 Resp: 394257

Ion Ratio Lower Upper

98 100

100 72.3 55.6 83.4





#51

4-Methyl-2-Pentanone

Concen: 239.841 ug/l

RT: 8.23 min Scan# 771

Delta R.T. -0.01 min

Lab File: VF061436.D

Acq: 17 Jan 2019 10:56

Instrument :

MSVOA_F

ClientSampleId :

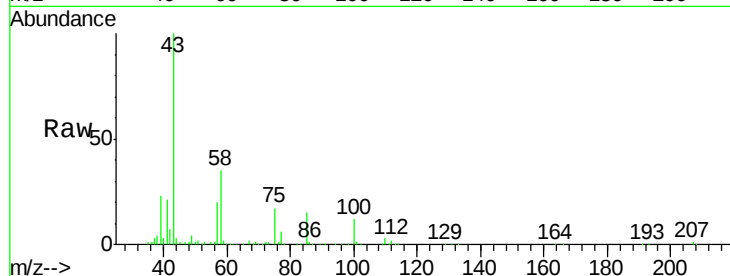
VSTDCCC050

Tot Ion: 43 Resp: 339226

Ion Ratio Lower Upper

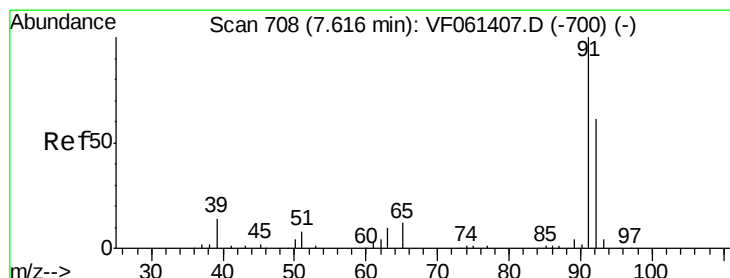
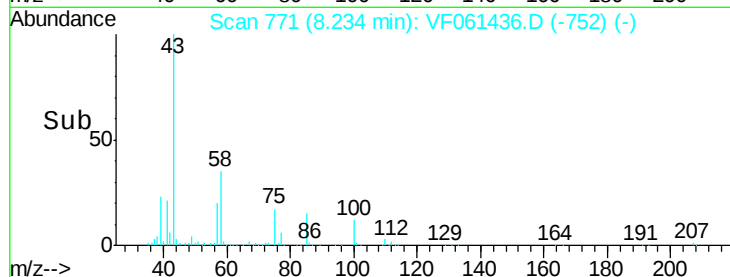
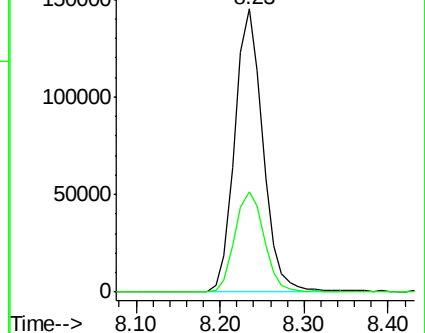
43 100

58 35.3 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: 49.676 ug/l

RT: 7.60 min Scan# 707

Delta R.T. -0.01 min

Lab File: VF061436.D

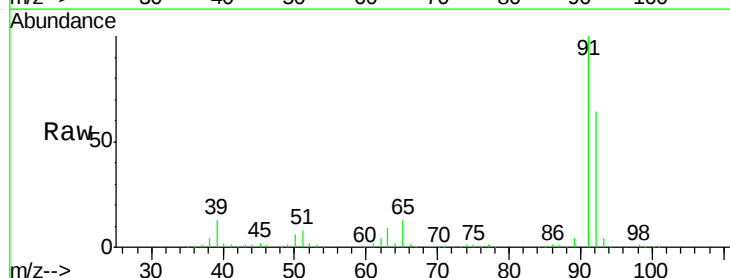
Acq: 17 Jan 2019 10:56

Tgt Ion: 92 Resp: 279146

Ion Ratio Lower Upper

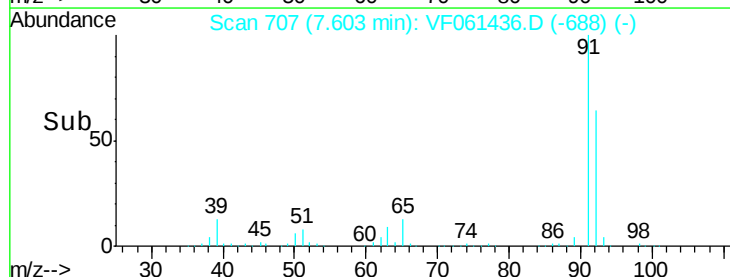
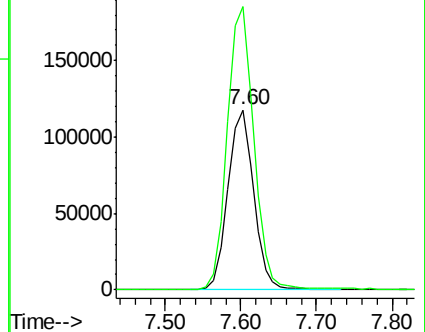
92 100

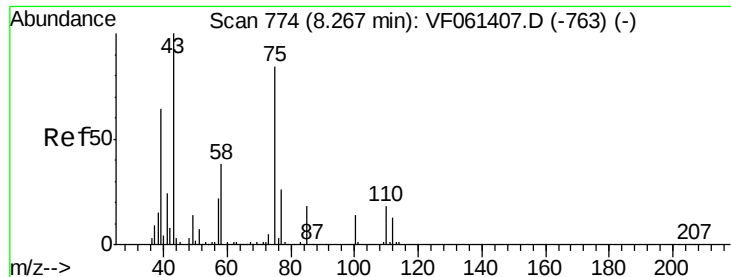
91 157.0 131.2 196.8



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: 49.868 ug/l

RT: 8.25 min Scan# 773

Delta R.T. -0.01 min

Lab File: VF061436.D

Acq: 17 Jan 2019 10:56

Instrument :

MSVOA_F

ClientSampleId :

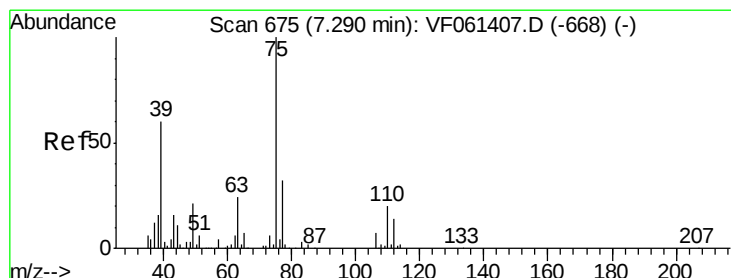
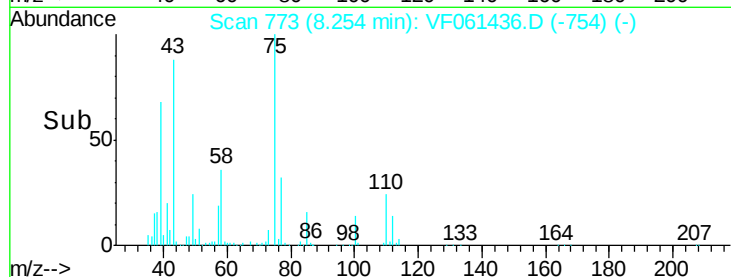
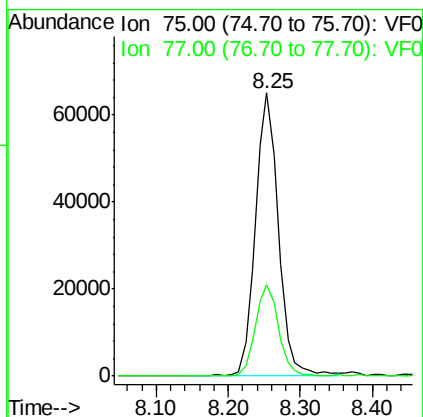
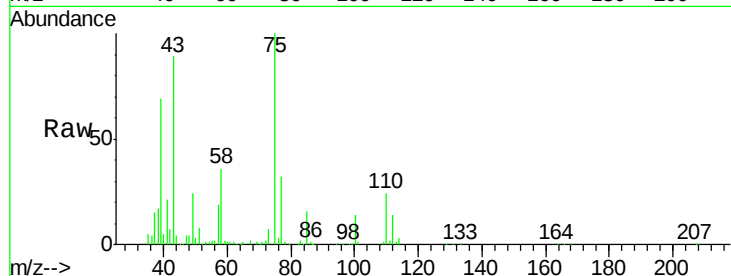
VSTDCCC050

Tot Ion: 75 Resp: 145900

Ion Ratio Lower Upper

75 100

77 32.4 24.4 36.6



#54

cis-1,3-Dichloropropene

Concen: 54.301 ug/l

RT: 7.28 min Scan# 674

Delta R.T. -0.01 min

Lab File: VF061436.D

Acq: 17 Jan 2019 10:56

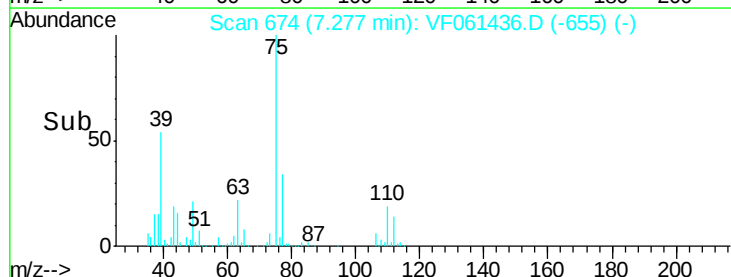
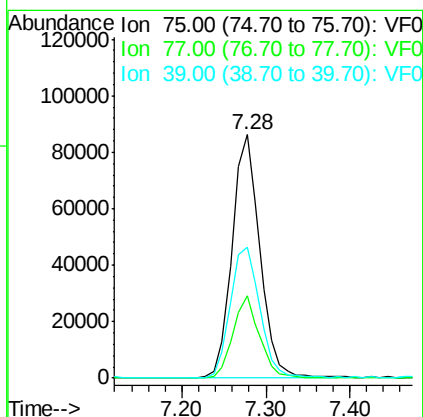
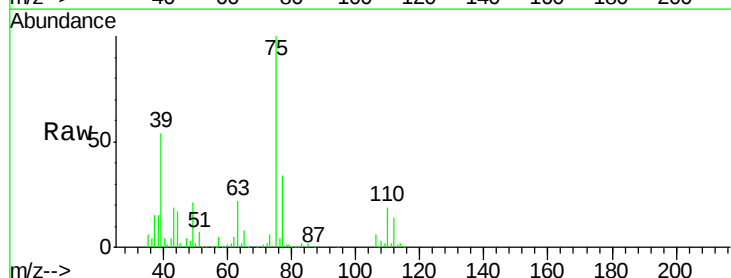
Tgt Ion: 75 Resp: 198581

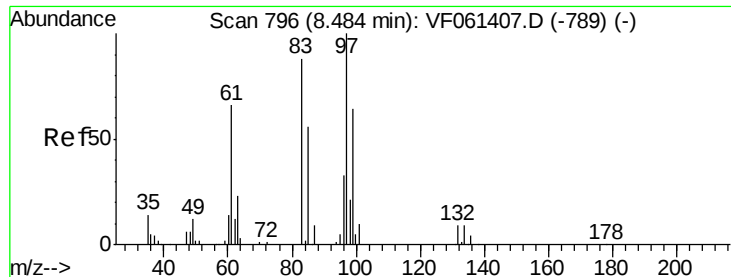
Ion Ratio Lower Upper

75 100

77 33.9 25.4 38.0

39 54.0 47.8 71.8





#55

1,1,2-Trichloroethane

Concen: 51.147 ug/l

RT: 8.46 min Scan# 794

Delta R.T. -0.02 min

Lab File: VF061436.D

Acq: 17 Jan 2019 10:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 81617

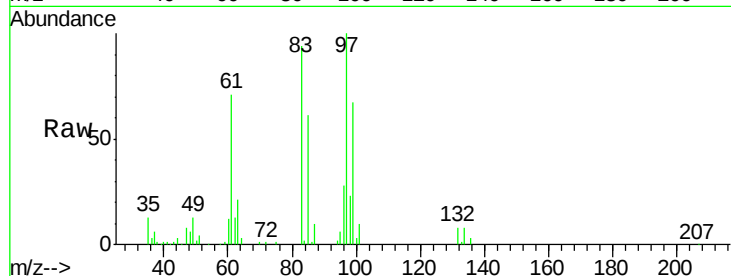
Ion	Ratio	Lower	Upper
97	100		
83	93.6	70.4	105.6
85	60.5	44.7	67.1
99	66.7	50.8	76.2

97 100

83 93.6 70.4 105.6

85 60.5 44.7 67.1

99 66.7 50.8 76.2



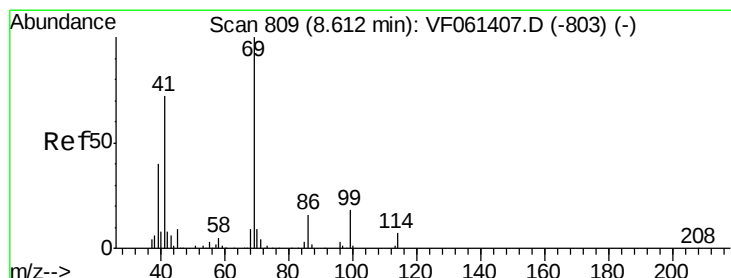
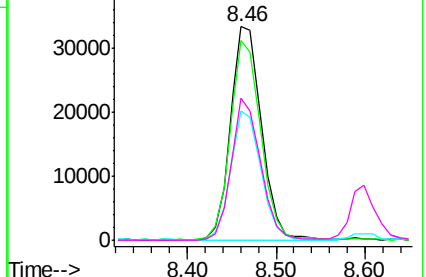
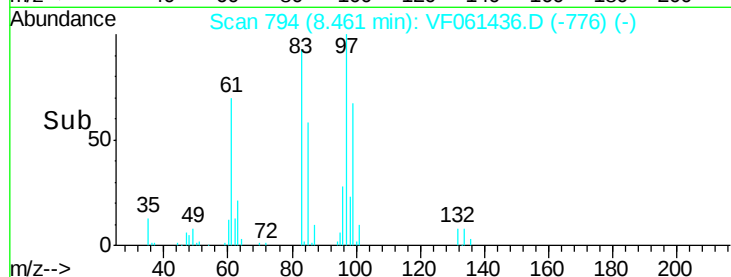
Abundance Ion 97.00 (96.70 to 97.70): VF0

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

Time-->



#56

Ethyl methacrylate

Concen: 49.797 ug/l

RT: 8.60 min Scan# 808

Delta R.T. -0.01 min

Lab File: VF061436.D

Acq: 17 Jan 2019 10:56

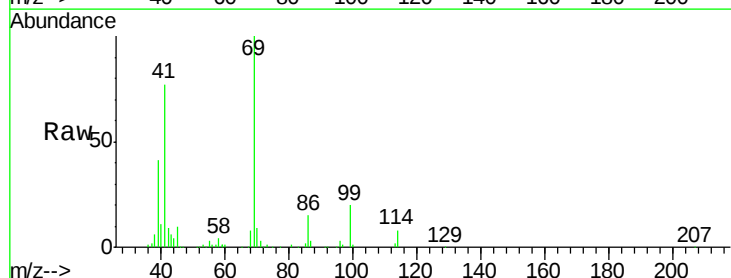
Tgt Ion: 69 Resp: 92449

Ion	Ratio	Lower	Upper
69	100		
41	77.0	57.5	86.3
39	40.6	32.0	48.0

69 100

41 77.0 57.5 86.3

39 40.6 32.0 48.0

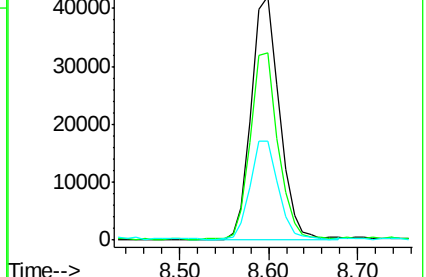
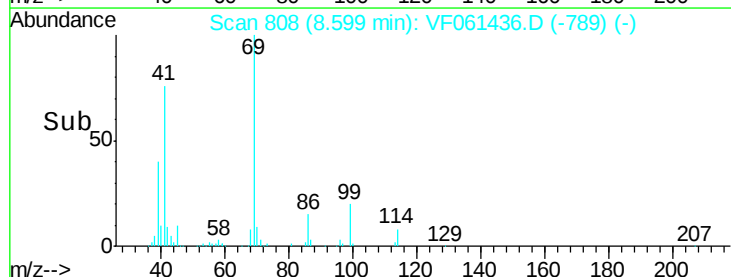


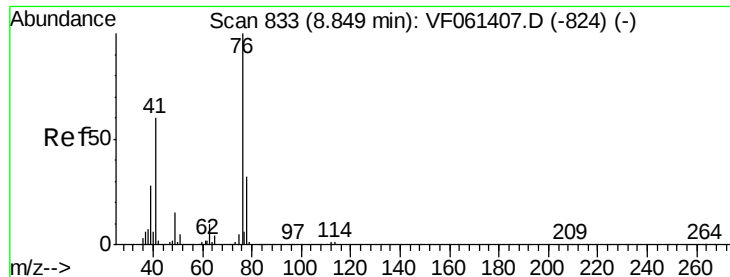
Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Time-->





#57

1,3-Dichloropropane

Concen: 47.927 ug/l

RT: 8.83 min Scan# 831

Delta R.T. -0.02 min

Lab File: VF061436.D

Acq: 17 Jan 2019 10:56

Instrument :

MSVOA_F

ClientSampleId :

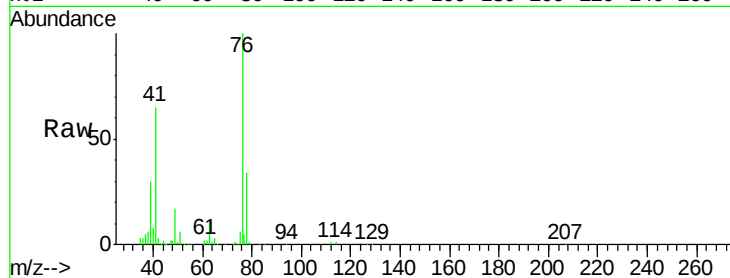
VSTDCCC050

Tot Ion: 76 Resp: 143352

Ion Ratio Lower Upper

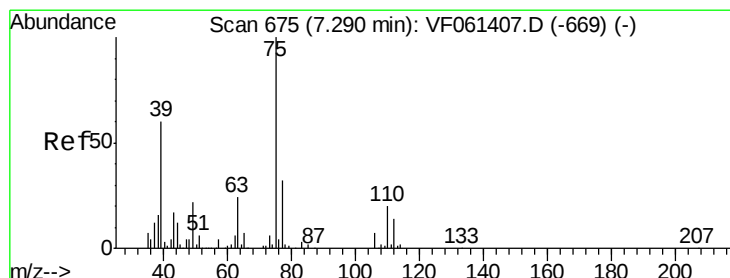
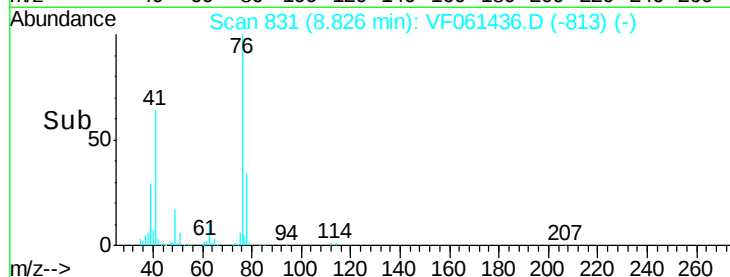
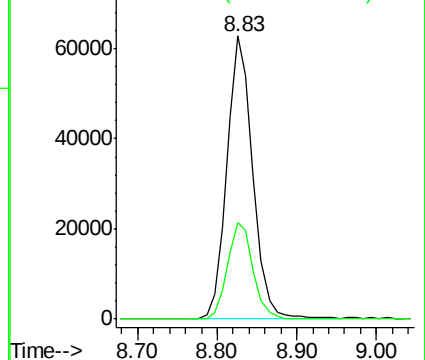
76 100

78 34.1 25.3 37.9



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 259.814 ug/l

RT: 7.27 min Scan# 673

Delta R.T. -0.02 min

Lab File: VF061436.D

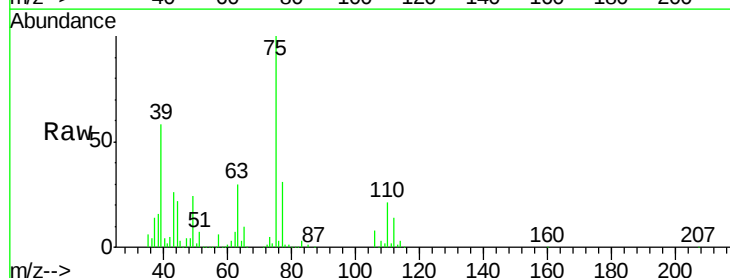
Acq: 17 Jan 2019 10:56

Tgt Ion: 63 Resp: 50817

Ion Ratio Lower Upper

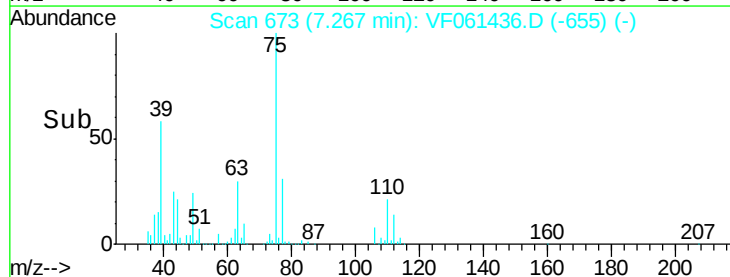
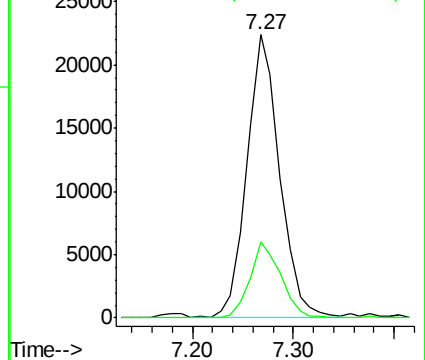
63 100

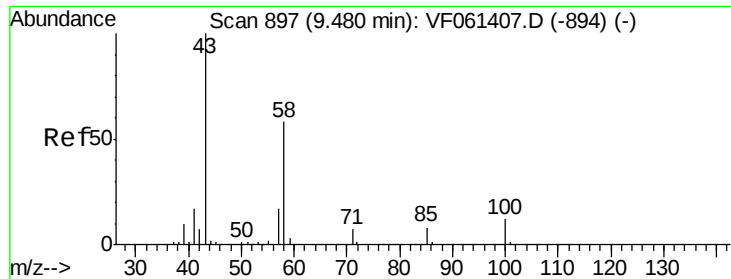
106 26.8 21.9 32.9



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

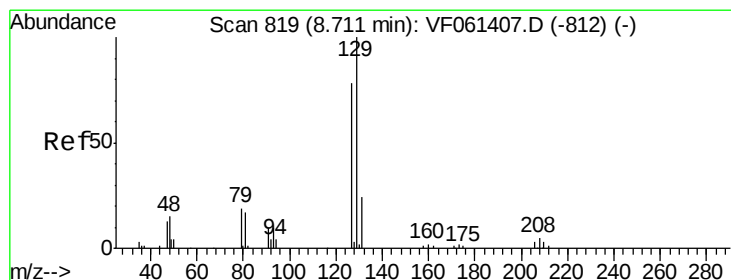
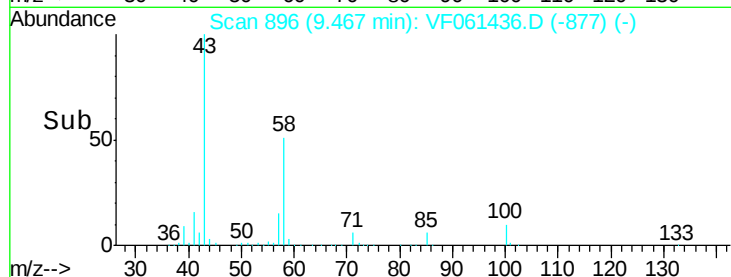
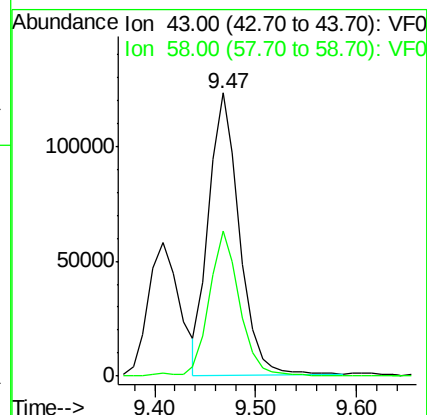
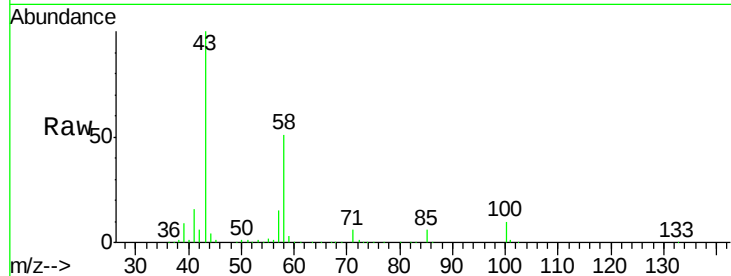




#59
2-Hexanone
Concen: 261.758 ug/l
RT: 9.47 min Scan# 896
Delta R.T. -0.01 min
Lab File: VF061436.D
Acq: 17 Jan 2019 10:56

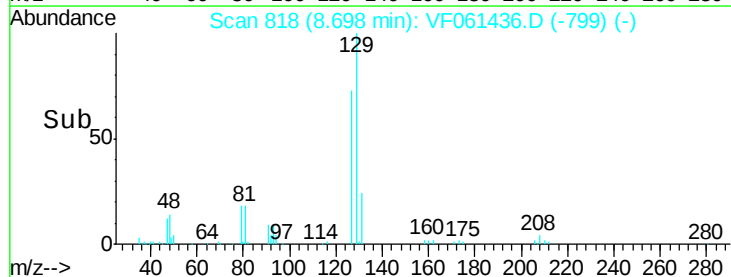
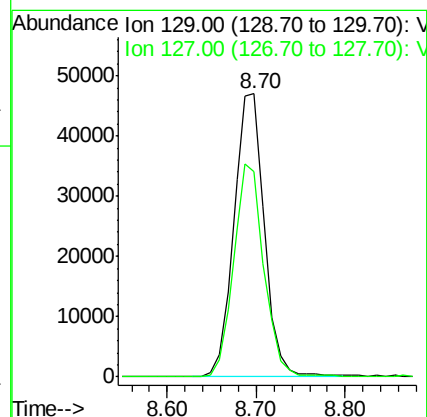
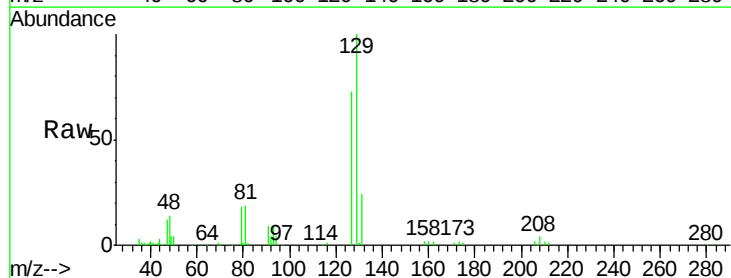
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

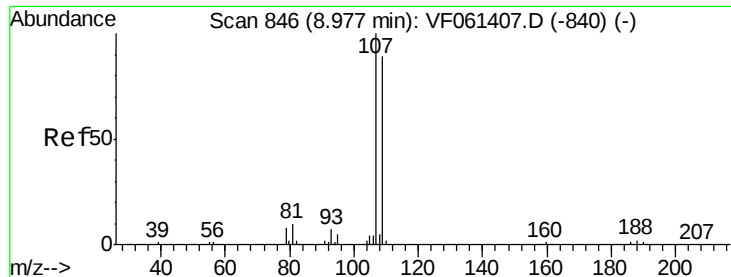
Tot Ion: 43 Resp: 258165
Ion Ratio Lower Upper
43 100
58 51.2 25.9 77.6



#60
Dibromochloromethane
Concen: 48.219 ug/l
RT: 8.70 min Scan# 818
Delta R.T. -0.01 min
Lab File: VF061436.D
Acq: 17 Jan 2019 10:56

Tgt Ion: 129 Resp: 112490
Ion Ratio Lower Upper
129 100
127 72.7 39.1 117.2





#61

1,2-Dibromoethane

Concen: 45.965 ug/l

RT: 8.95 min Scan# 844

Delta R.T. -0.02 min

Lab File: VF061436.D

Acq: 17 Jan 2019 10:56

Instrument :

MSVOA_F

ClientSampleId :

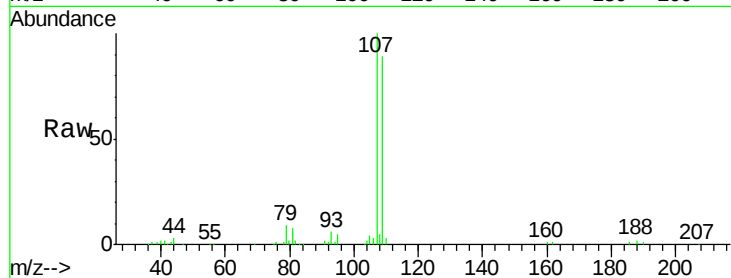
VSTDCCC050

Tot Ion:107 Resp: 83968

Ion Ratio Lower Upper

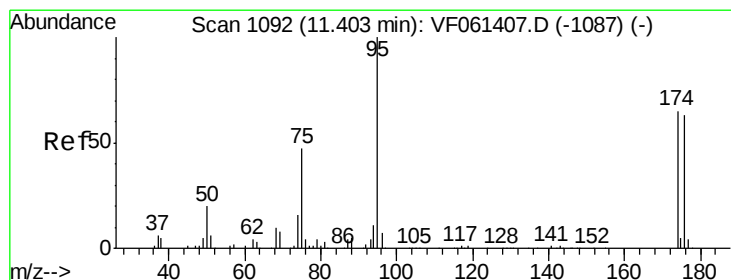
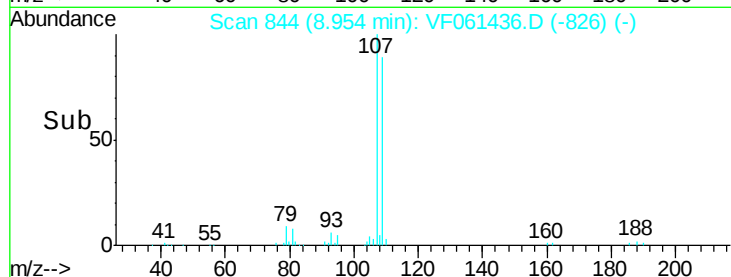
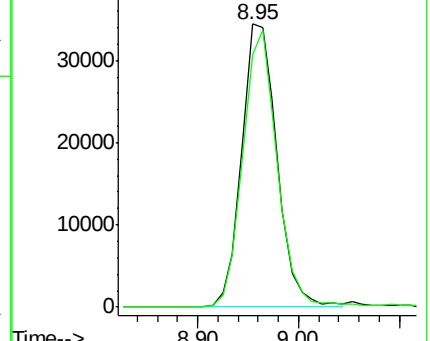
107 100

109 89.2 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: 48.024 ug/l

RT: 11.39 min Scan# 1091

Delta R.T. -0.01 min

Lab File: VF061436.D

Acq: 17 Jan 2019 10:56

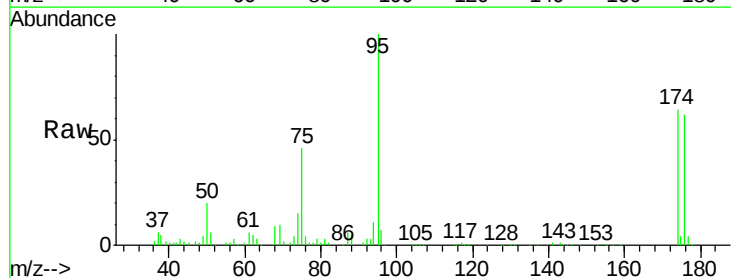
Tgt Ion: 95 Resp: 160446

Ion Ratio Lower Upper

95 100

174 64.2 0.0 130.4

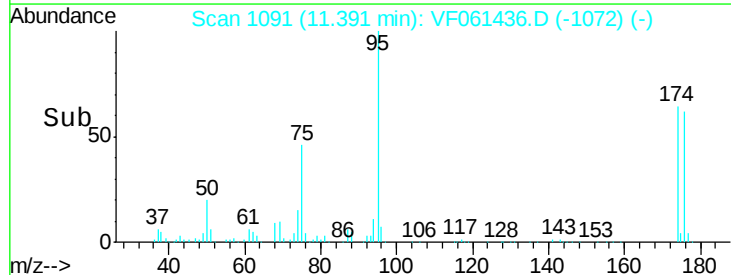
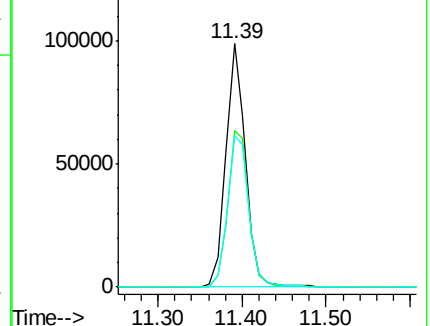
176 62.0 0.0 126.2



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

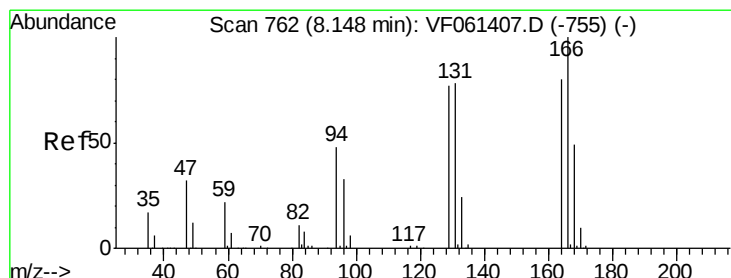
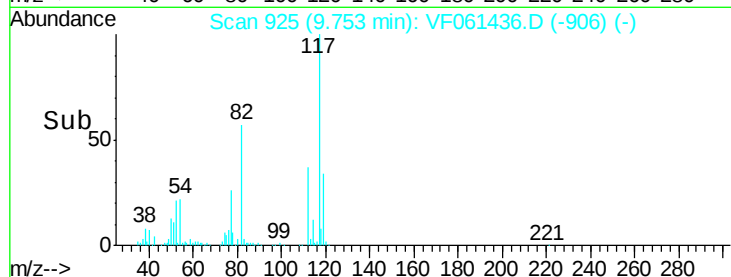
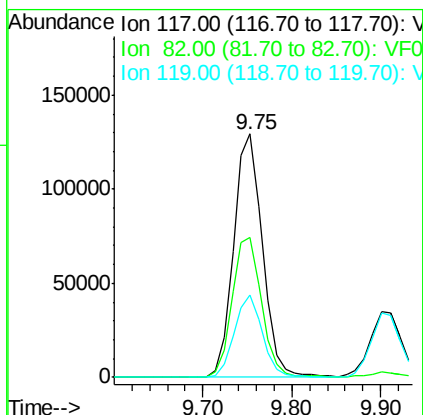
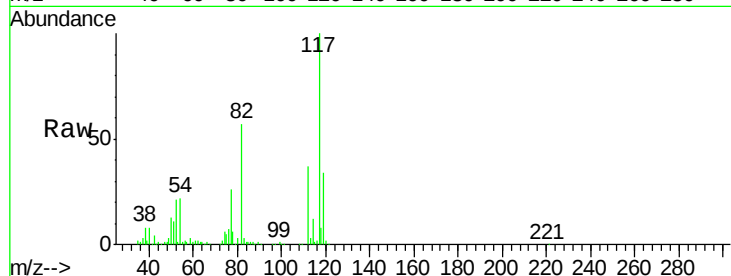




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.75 min Scan# 925
Delta R.T. -0.01 min
Lab File: VF061436.D
Acq: 17 Jan 2019 10:56

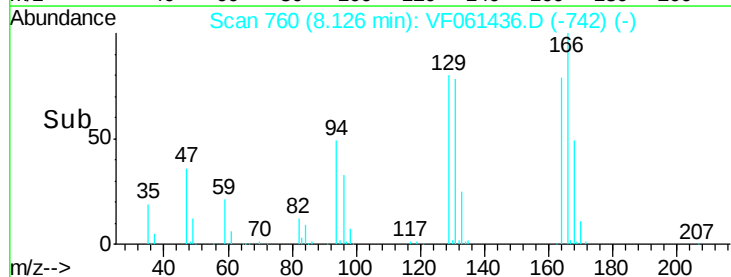
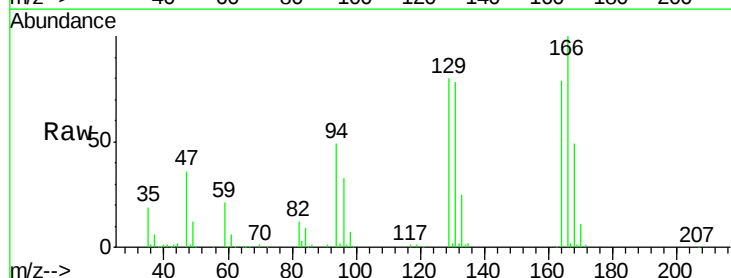
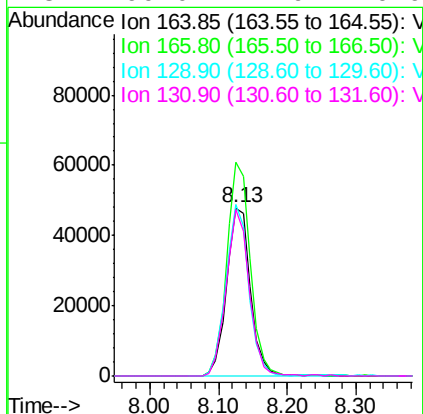
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

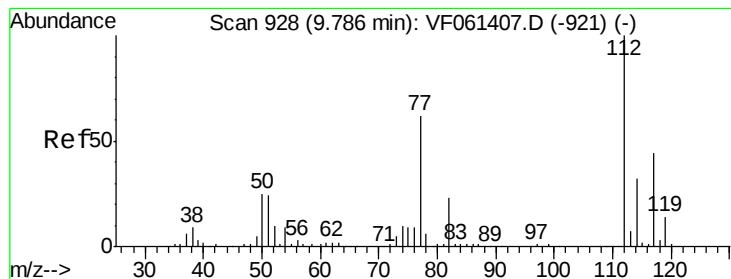
Tot Ion:117 Resp: 292417
Ion Ratio Lower Upper
117 100
82 57.3 46.4 69.6
119 33.7 27.2 40.8



#64
Tetrachloroethene
Concen: 52.111 ug/l
RT: 8.13 min Scan# 760
Delta R.T. -0.02 min
Lab File: VF061436.D
Acq: 17 Jan 2019 10:56

Tgt Ion:164 Resp: 114593
Ion Ratio Lower Upper
164 100
166 126.9 99.6 149.4
129 102.1 76.4 114.6
131 99.0 77.9 116.9





#65

Chlorobenzene

Concen: 51.755 ug/l

RT: 9.77 min Scan# 927

Delta R.T. -0.01 min

Lab File: VF061436.D

Acq: 17 Jan 2019 10:56

Instrument :

MSVOA_F

ClientSampleId :

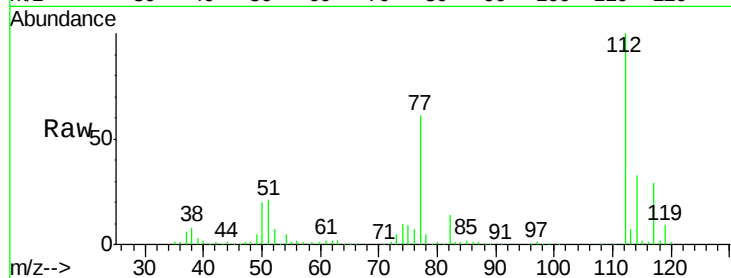
VSTDCCC050

Tot Ion:112 Resp: 307758

Ion Ratio Lower Upper

112 100

114 32.8 25.4 38.0



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

9.77

150000

100000

50000

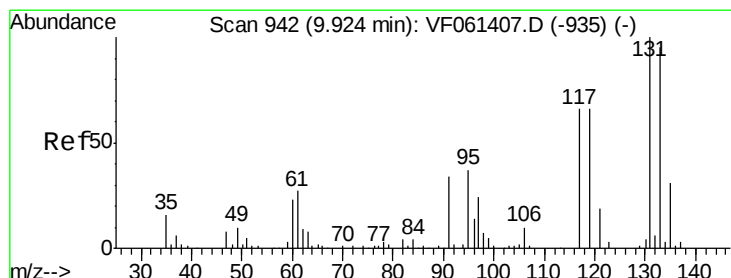
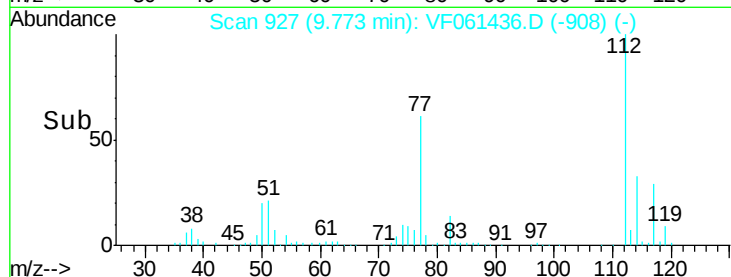
0

Time-->

9.60

9.80

10.00



#66

1,1,1,2-Tetrachloroethane

Concen: 50.645 ug/l

RT: 9.91 min Scan# 941

Delta R.T. -0.01 min

Lab File: VF061436.D

Acq: 17 Jan 2019 10:56

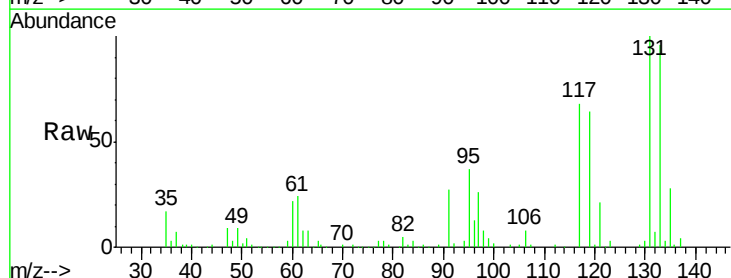
Tgt Ion:131 Resp: 119973

Ion Ratio Lower Upper

131 100

133 96.0 47.4 142.2

119 64.0 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

9.91

60000

40000

20000

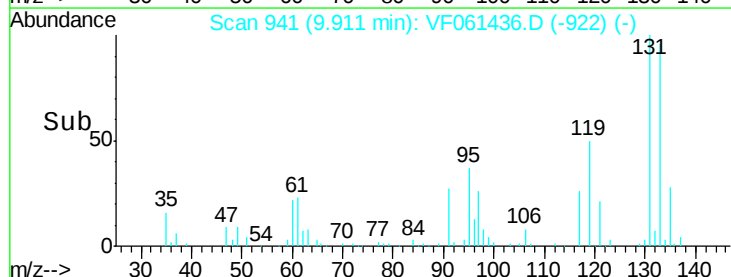
0

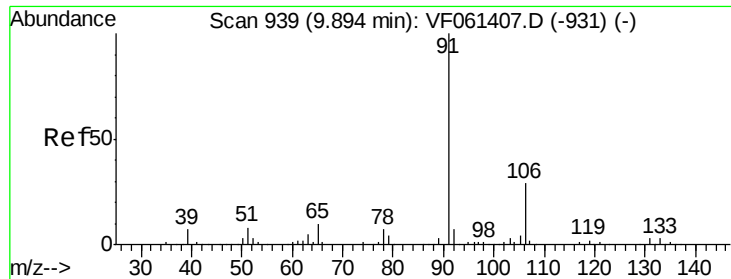
Time-->

9.80

9.90

10.00





#67

Ethyl Benzene

Concen: 53.216 ug/l

RT: 9.87 min Scan# 937

Delta R.T. -0.02 min

Lab File: VF061436.D

Acq: 17 Jan 2019 10:56

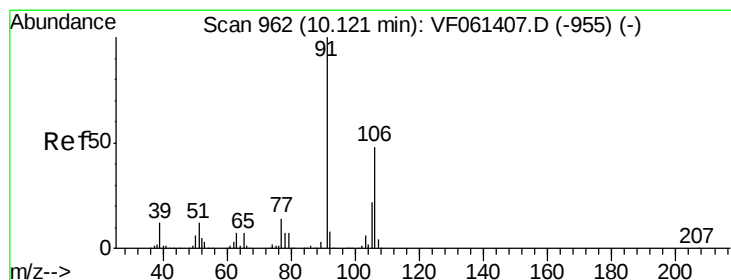
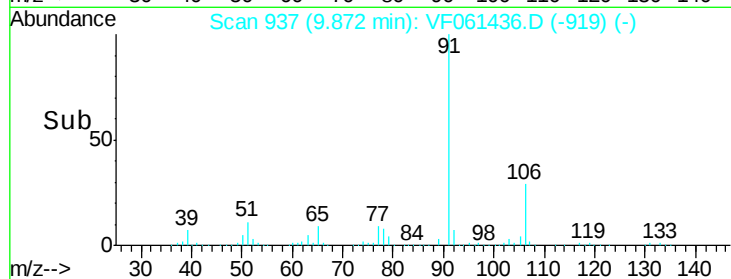
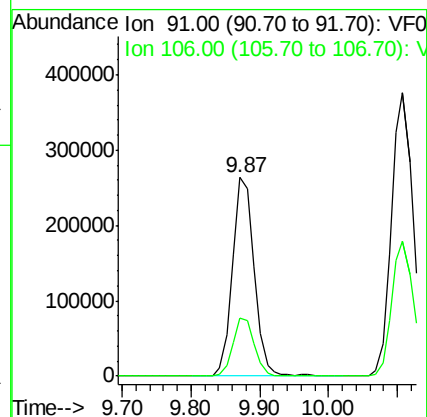
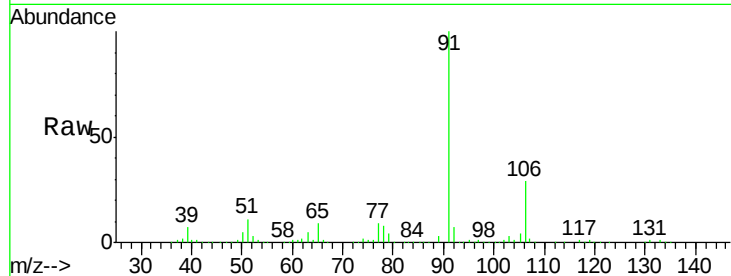
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 578170

Ion Ratio Lower Upper

91 100

106 29.5 23.1 34.7



#68

m/p-Xylenes

Concen: 99.889 ug/l

RT: 10.11 min Scan# 961

Delta R.T. -0.01 min

Lab File: VF061436.D

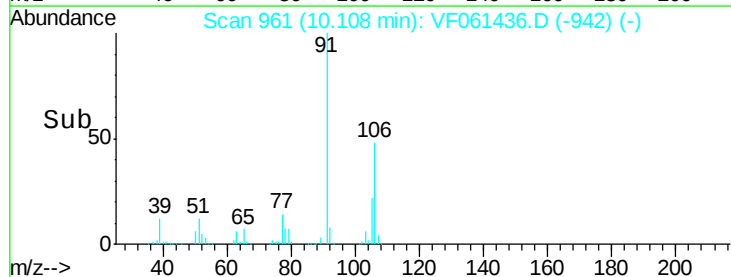
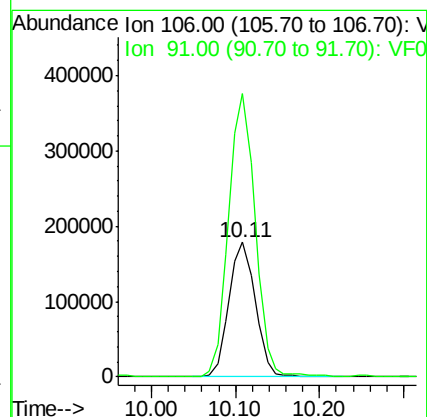
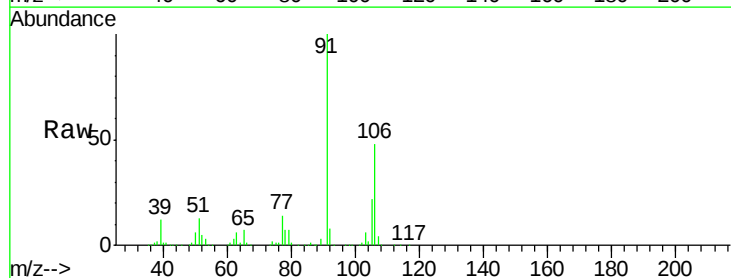
Acq: 17 Jan 2019 10:56

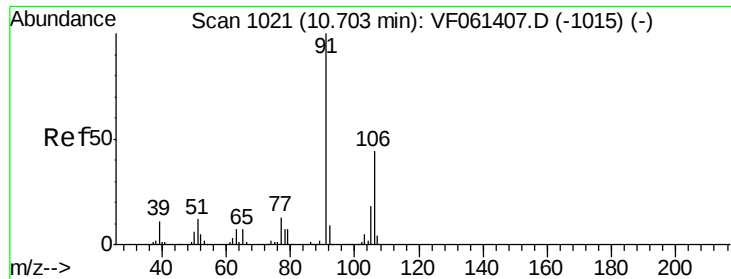
Tgt Ion: 106 Resp: 390330

Ion Ratio Lower Upper

106 100

91 210.3 166.2 249.4

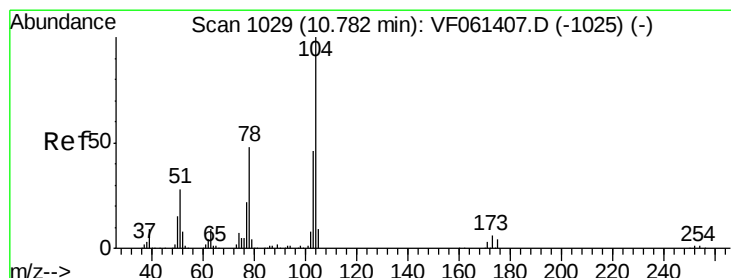
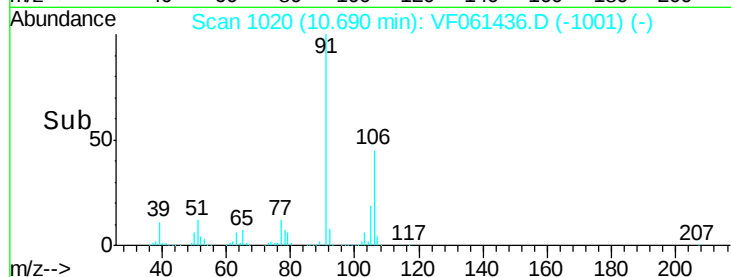
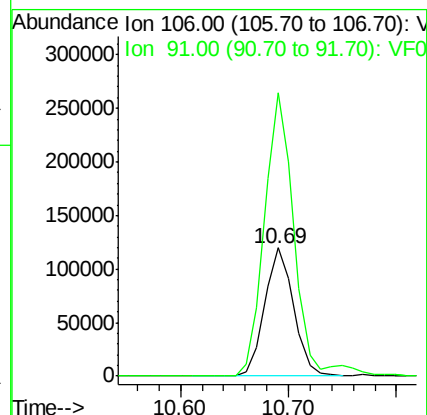
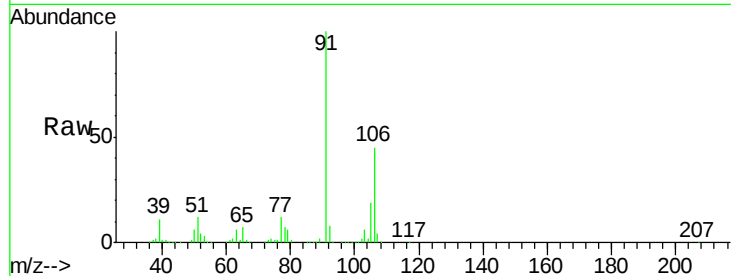




#69
o-Xylene
Concen: 53.187 ug/l
RT: 10.69 min Scan# 1020
Delta R.T. -0.01 min
Lab File: VF061436.D
Acq: 17 Jan 2019 10:56

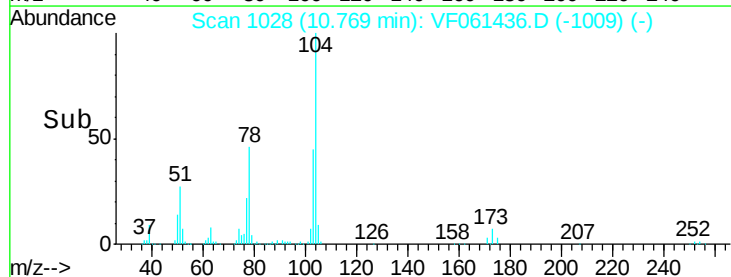
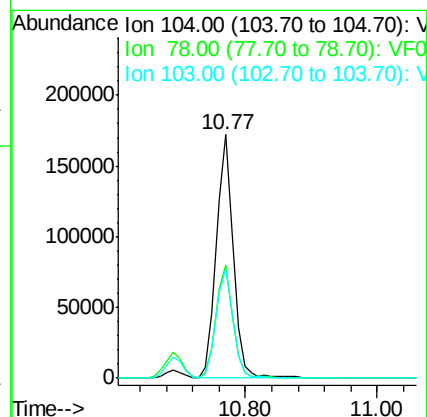
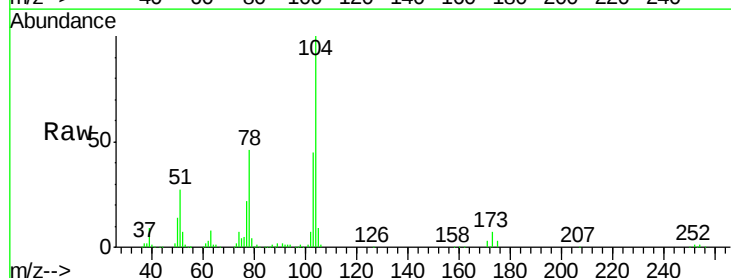
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

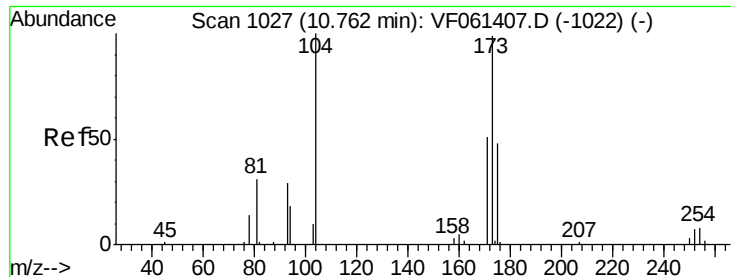
Tot Ion:106 Resp: 225257
Ion Ratio Lower Upper
106 100
91 220.4 113.3 339.8



#70
Styrene
Concen: 51.928 ug/l
RT: 10.77 min Scan# 1028
Delta R.T. -0.01 min
Lab File: VF061436.D
Acq: 17 Jan 2019 10:56

Tgt Ion:104 Resp: 301041
Ion Ratio Lower Upper
104 100
78 46.5 38.8 58.2
103 44.9 37.0 55.6





#71

Bromoform

Concen: 52.412 ug/l

RT: 10.75 min Scan# 1026

Delta R.T. -0.01 min

Lab File: VF061436.D

Acq: 17 Jan 2019 10:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

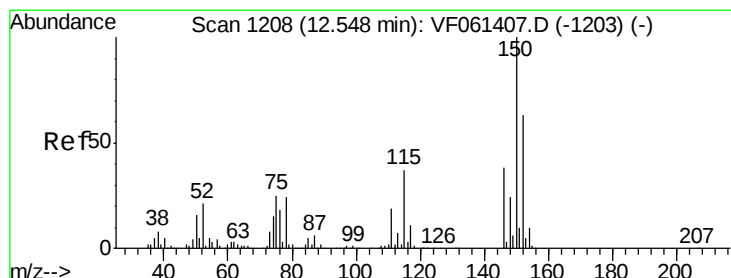
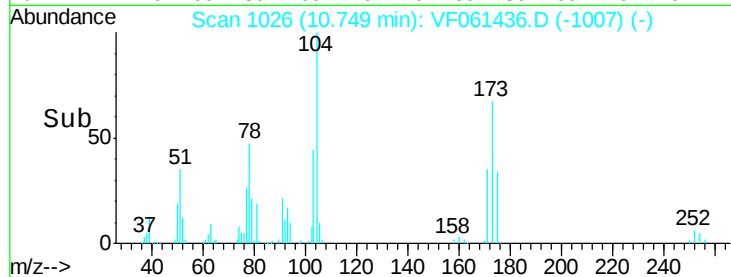
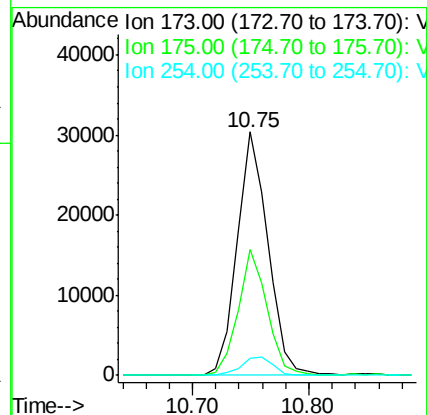
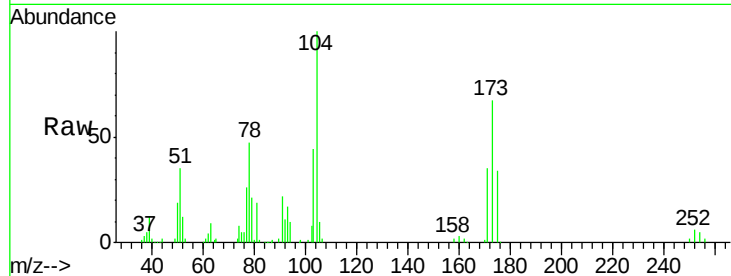
Tot Ion:173 Resp: 55785

Ion Ratio Lower Upper

173 100

175 52.1 24.1 72.4

254 6.8 0.0 0.0#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.53 min Scan# 1207

Delta R.T. -0.01 min

Lab File: VF061436.D

Acq: 17 Jan 2019 10:56

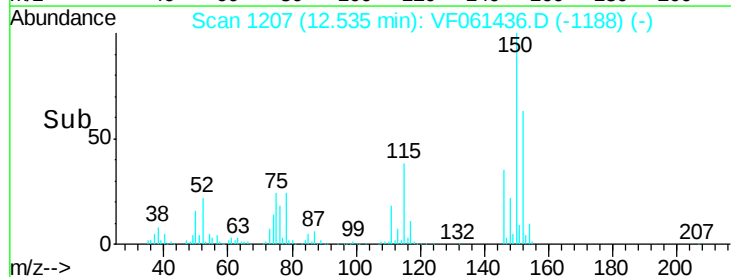
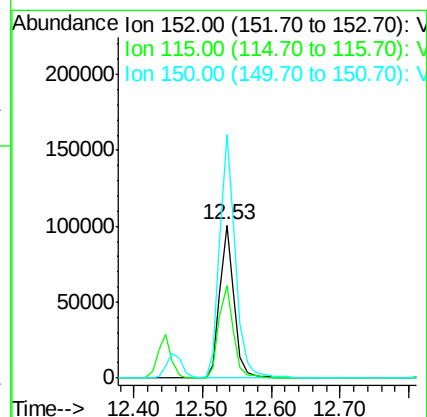
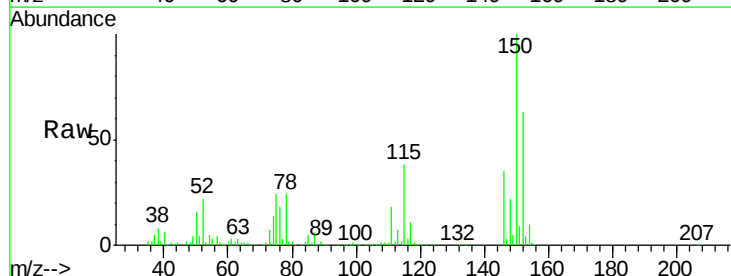
Tgt Ion:152 Resp: 145487

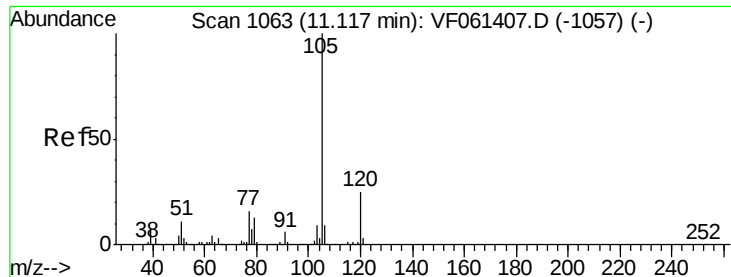
Ion Ratio Lower Upper

152 100

115 60.2 30.0 90.0

150 158.9 0.0 321.4





#73

Isopropylbenzene

Concen: 54.392 ug/l

RT: 11.10 min Scan# 1062

Delta R.T. -0.01 min

Lab File: VF061436.D

Acq: 17 Jan 2019 10:56

Instrument :

MSVOA_F

ClientSampleId :

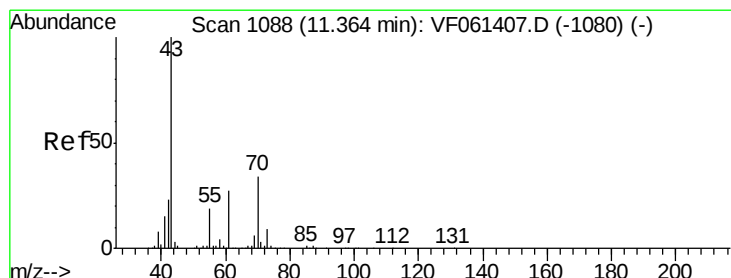
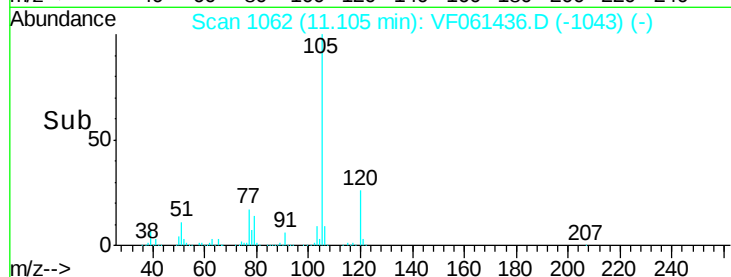
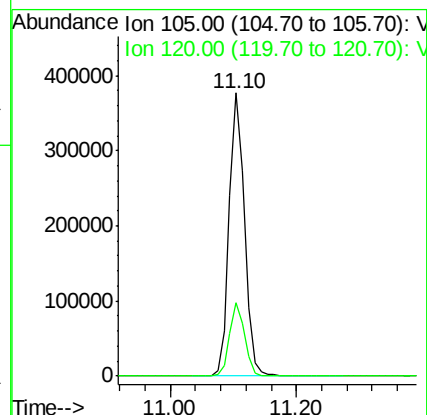
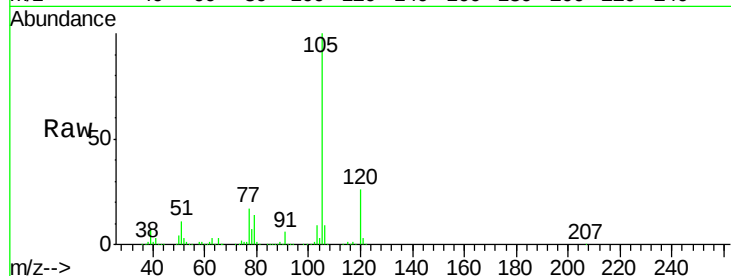
VSTDCCC050

Tot Ion:105 Resp: 643608

Ion Ratio Lower Upper

105 100

120 25.7 12.6 37.8



#74

N-ethyl acetate

Concen: 54.760 ug/l

RT: 11.35 min Scan# 1087

Delta R.T. -0.01 min

Lab File: VF061436.D

Acq: 17 Jan 2019 10:56

Tgt Ion: 43 Resp: 153220

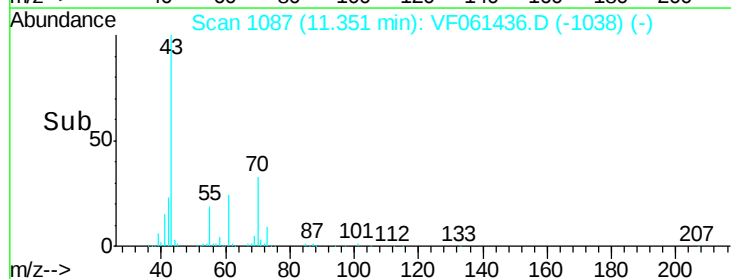
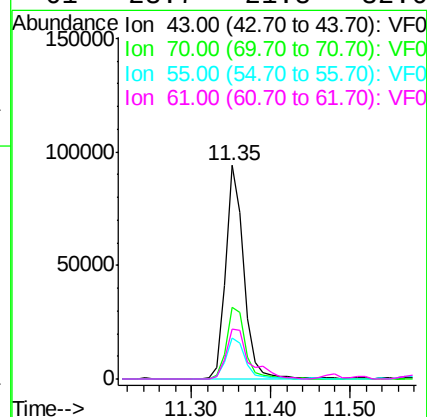
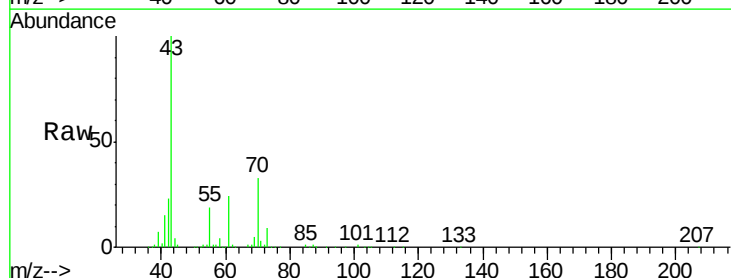
Ion Ratio Lower Upper

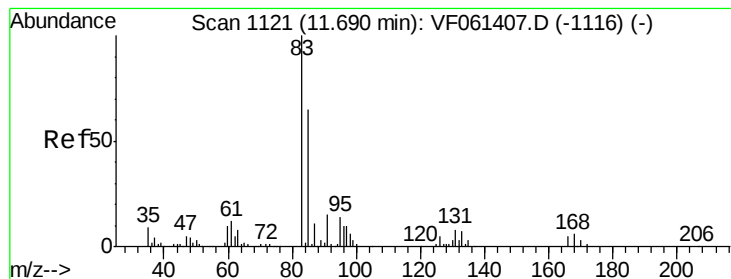
43 100

70 33.4 27.6 41.4

55 19.3 15.4 23.2

61 23.7 21.8 32.6





#75

1,1,2,2-Tetrachloroethane

Concen: 50.055 ug/l

RT: 11.68 min Scan# 1120

Delta R.T. -0.01 min

Lab File: VF061436.D

Acq: 17 Jan 2019 10:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

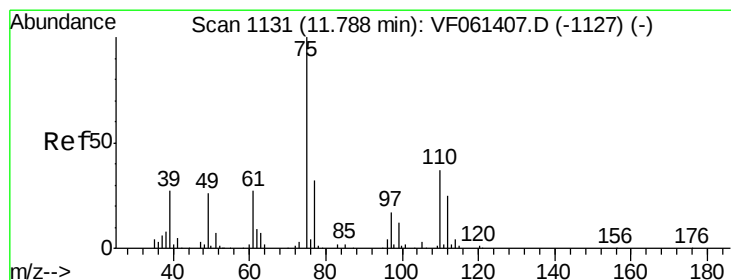
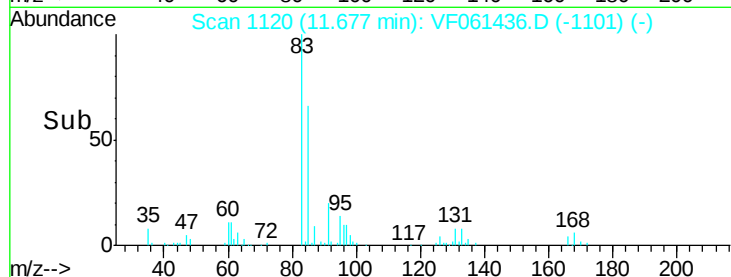
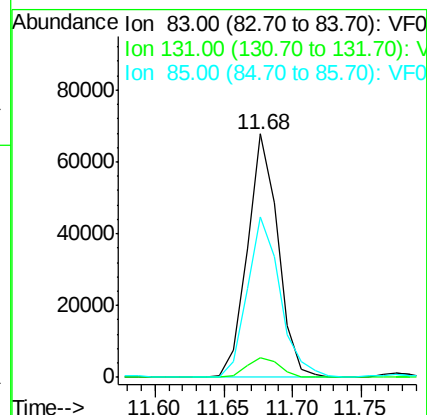
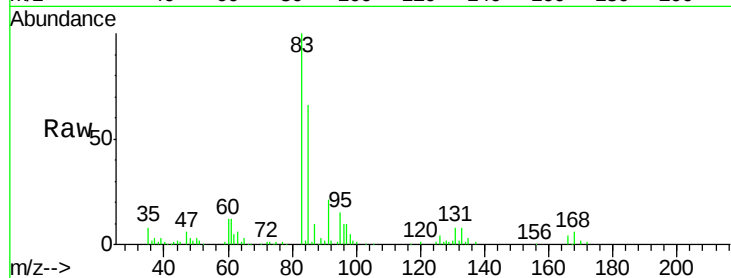
Tot Ion: 83 Resp: 105515

Ion Ratio Lower Upper

83 100

131 8.3 4.0 12.2

85 65.6 32.7 98.1



#76

1,2,3-Trichloropropane

Concen: 49.610 ug/l

RT: 11.78 min Scan# 1130

Delta R.T. -0.01 min

Lab File: VF061436.D

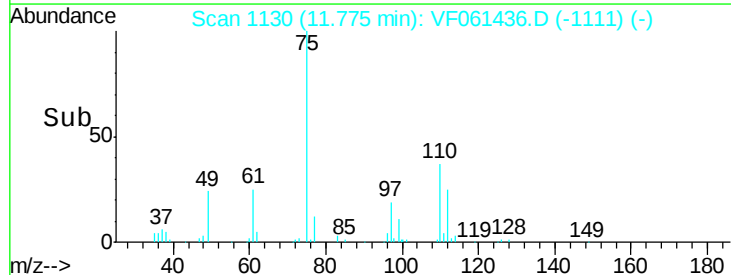
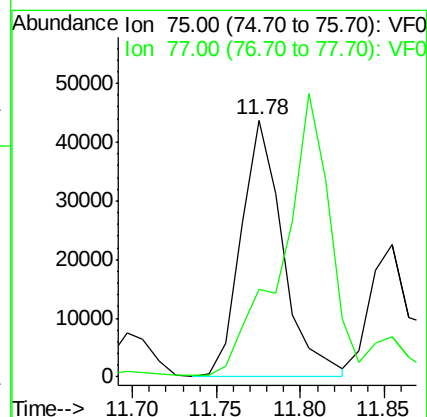
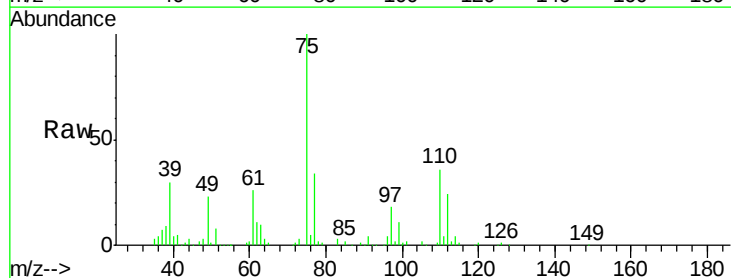
Acq: 17 Jan 2019 10:56

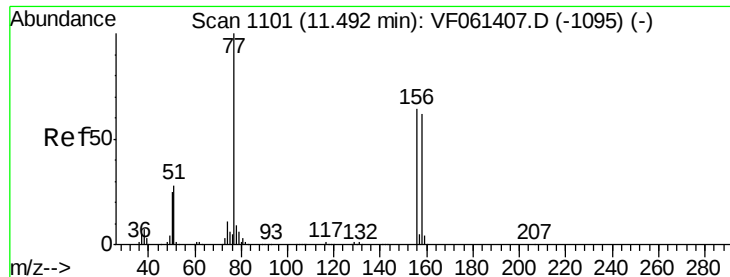
Tgt Ion: 75 Resp: 75143

Ion Ratio Lower Upper

75 100

77 34.2 16.1 48.3





#77

Bromobenzene

Concen: 51.613 ug/l

RT: 11.48 min Scan# 1100

Delta R.T. -0.01 min

Lab File: VF061436.D

Acq: 17 Jan 2019 10:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

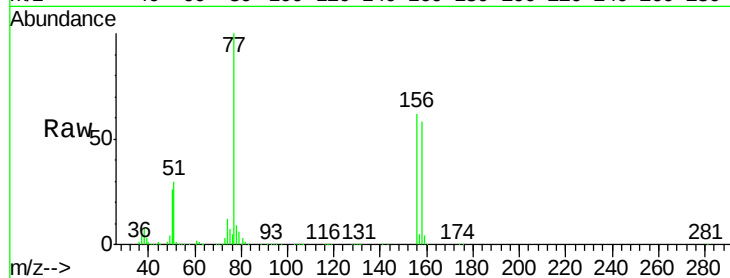
Tot Ion:156 Resp: 128980

Ion Ratio Lower Upper

156 100

77 162.0 78.3 234.9

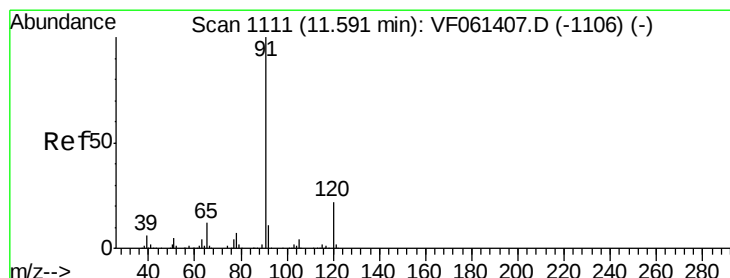
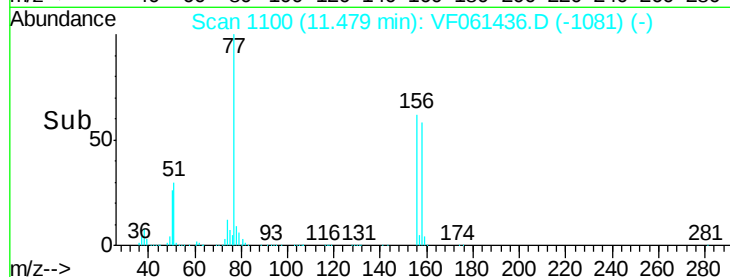
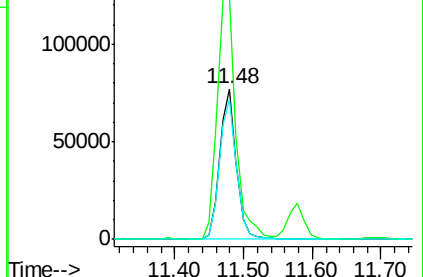
158 93.5 48.9 146.7



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: 50.883 ug/l

RT: 11.58 min Scan# 1110

Delta R.T. -0.01 min

Lab File: VF061436.D

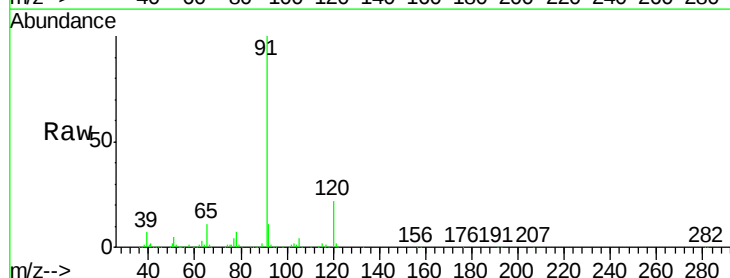
Acq: 17 Jan 2019 10:56

Tgt Ion: 91 Resp: 731705

Ion Ratio Lower Upper

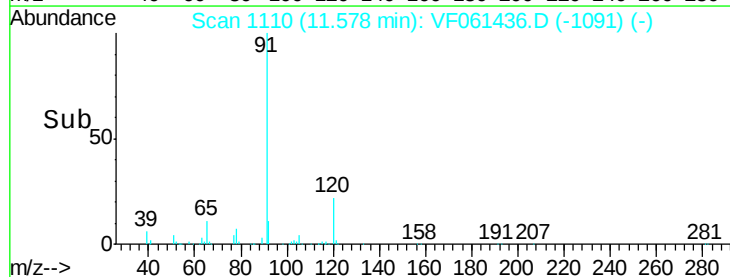
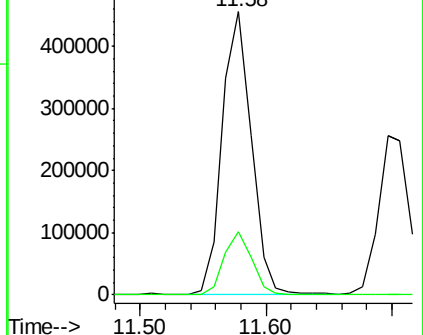
91 100

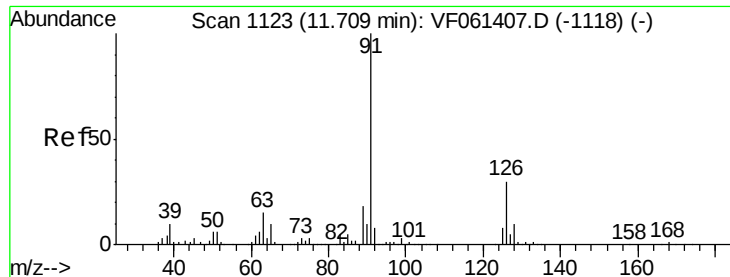
120 22.1 10.9 32.6



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

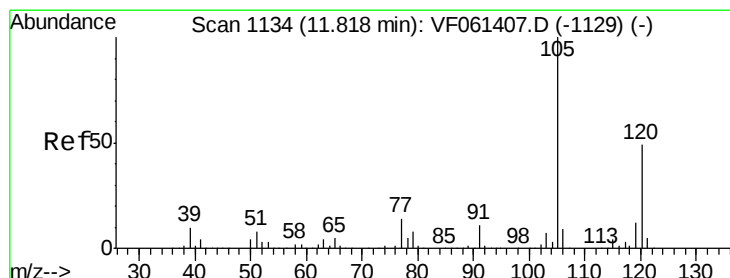
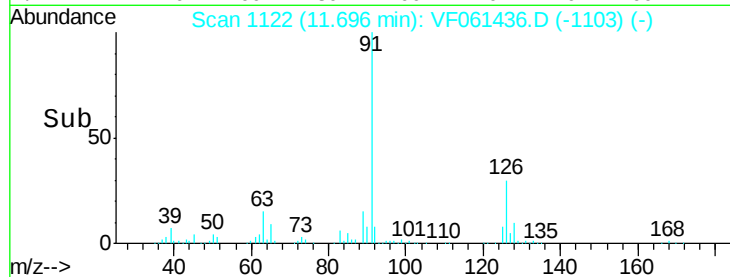
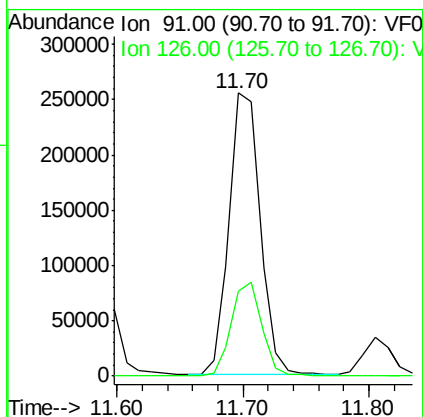
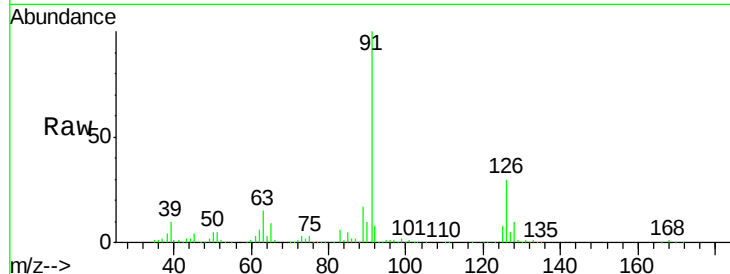




#79
2-Chlorotoluene
Concen: 53.004 ug/l
RT: 11.70 min Scan# 1122
Delta R.T. -0.01 min
Lab File: VF061436.D
Acq: 17 Jan 2019 10:56

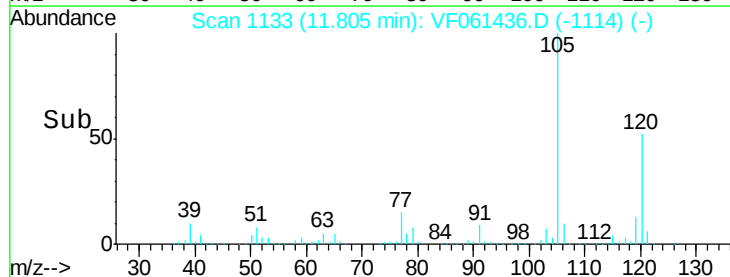
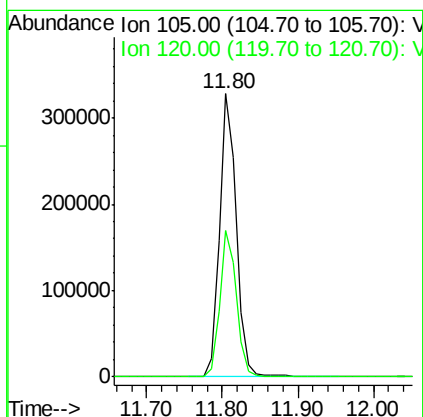
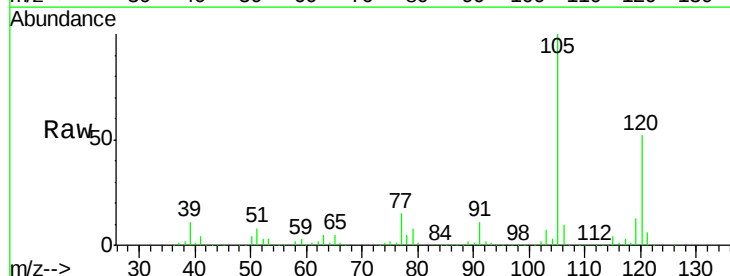
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

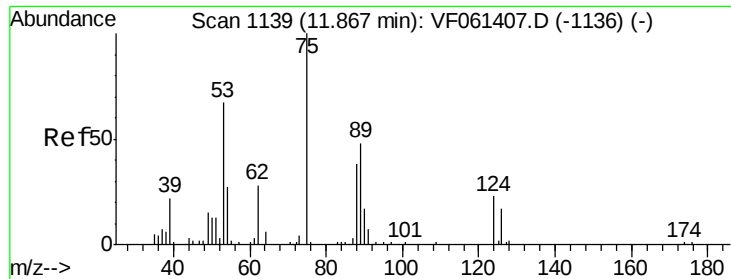
Tot Ion: 91 Resp: 435160
Ion Ratio Lower Upper
91 100
126 29.9 15.0 45.1



#80
1,3,5-Trimethylbenzene
Concen: 53.377 ug/l
RT: 11.80 min Scan# 1133
Delta R.T. -0.01 min
Lab File: VF061436.D
Acq: 17 Jan 2019 10:56

Tgt Ion: 105 Resp: 509709
Ion Ratio Lower Upper
105 100
120 51.9 24.7 74.1





#81

trans-1,4-Dichloro-2-butene

Concen: 72.614 ug/l

RT: 11.85 min Scan# 1138

Delta R.T. -0.01 min

Lab File: VF061436.D

Acq: 17 Jan 2019 10:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

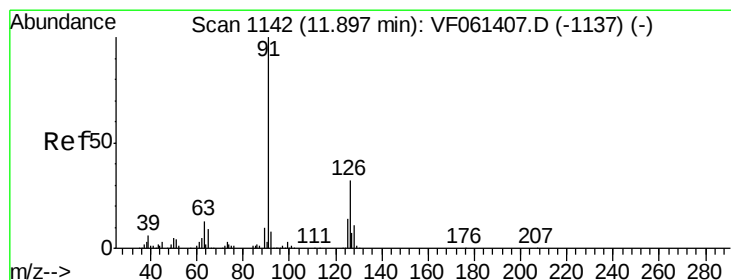
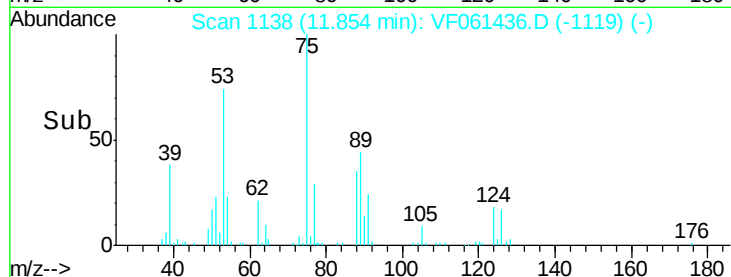
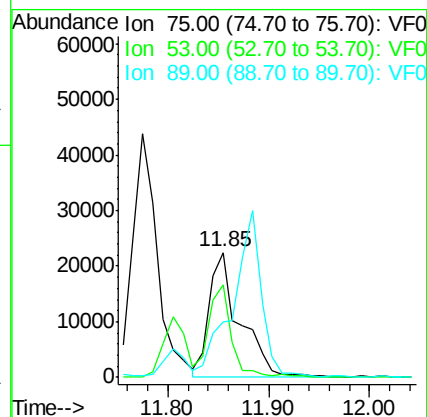
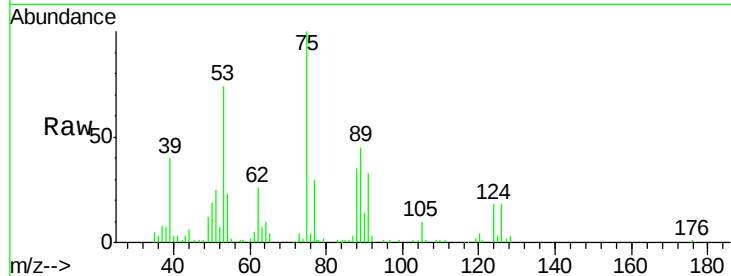
Tot Ion: 75 Resp: 47812

Ion Ratio Lower Upper

75 100

53 74.3 57.8 86.6

89 44.6 40.7 61.1



#82

4-Chlorotoluene

Concen: 50.617 ug/l

RT: 11.88 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VF061436.D

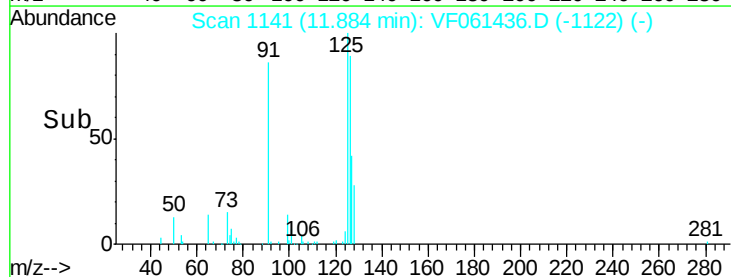
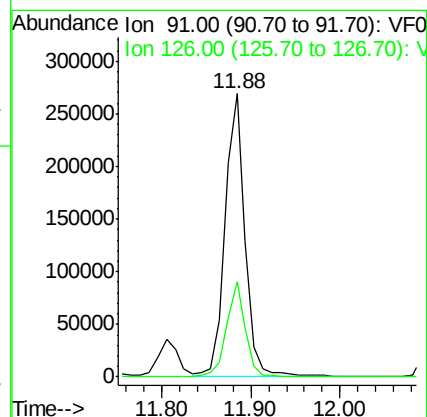
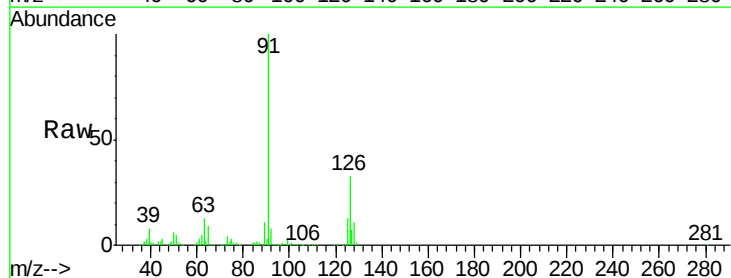
Acq: 17 Jan 2019 10:56

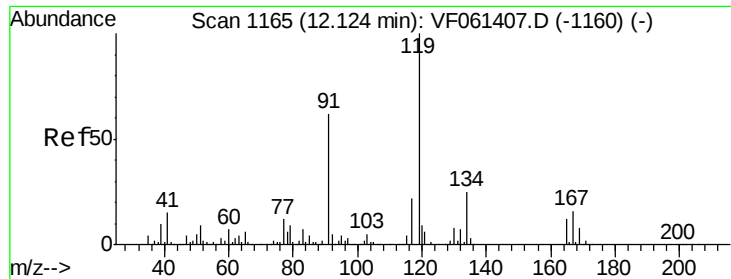
Tgt Ion: 91 Resp: 419350

Ion Ratio Lower Upper

91 100

126 33.4 16.0 47.9

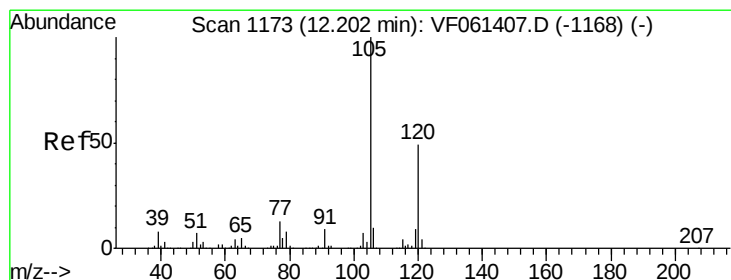
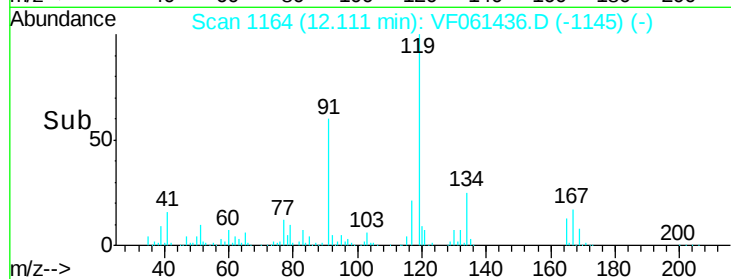
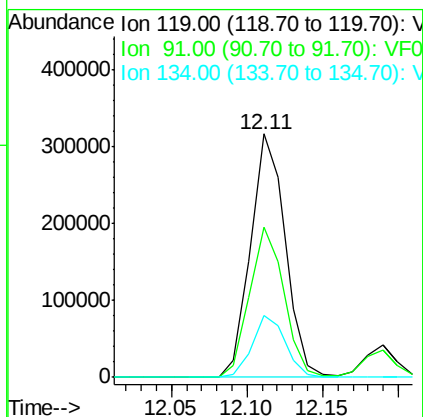
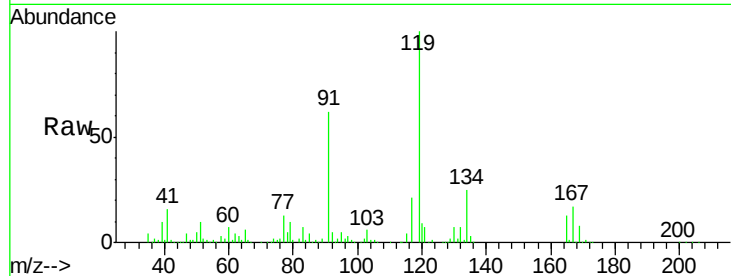




#83
 tert-Butylbenzene
 Concen: 51.662 ug/l
 RT: 12.11 min Scan# 1164
 Delta R.T. -0.01 min
 Lab File: VF061436.D
 Acq: 17 Jan 2019 10:56

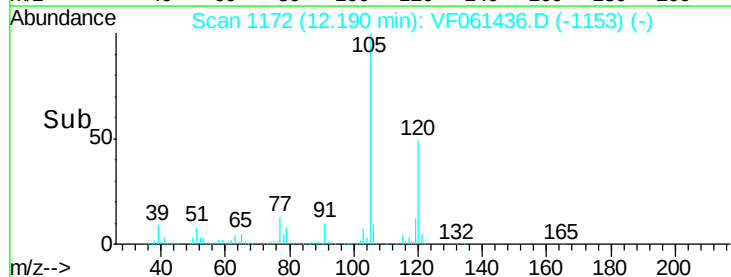
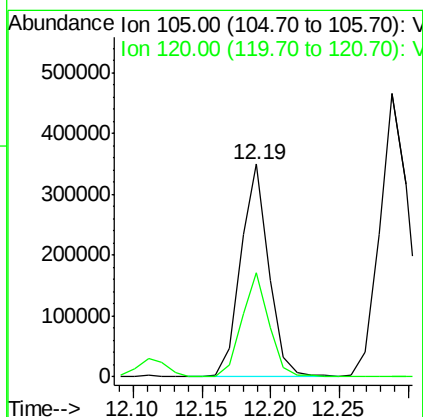
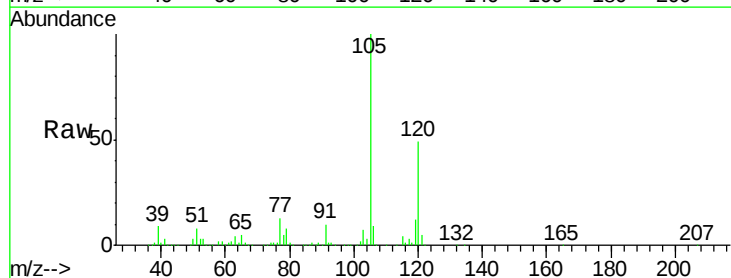
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion:119 Resp: 510612
 Ion Ratio Lower Upper
 119 100
 91 61.8 31.3 93.8
 134 25.3 12.4 37.0



#84
 1,2,4-Trimethylbenzene
 Concen: 50.457 ug/l
 RT: 12.19 min Scan# 1172
 Delta R.T. -0.01 min
 Lab File: VF061436.D
 Acq: 17 Jan 2019 10:56

Tgt Ion:105 Resp: 496302
 Ion Ratio Lower Upper
 105 100
 120 48.8 24.9 74.6





#85

sec-Butylbenzene

Concen: 51.146 ug/l

RT: 12.29 min Scan# 1182

Delta R.T. -0.01 min

Lab File: VF061436.D

Acq: 17 Jan 2019 10:56

Instrument :

MSVOA_F

ClientSampleId :

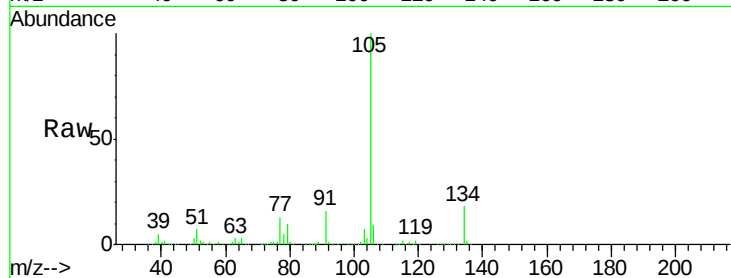
VSTDCCC050

Tot Ion:105 Resp: 686490

Ion Ratio Lower Upper

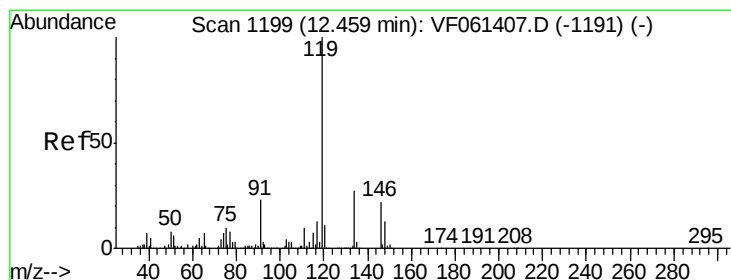
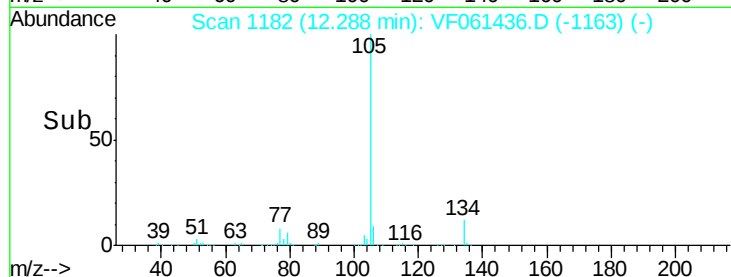
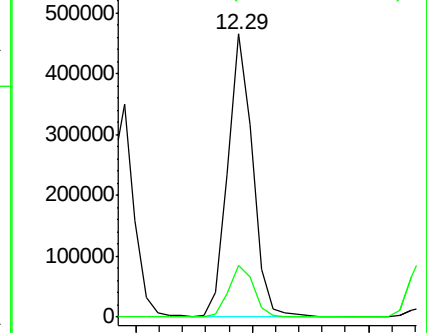
105 100

134 18.3 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: 52.026 ug/l

RT: 12.45 min Scan# 1198

Delta R.T. -0.01 min

Lab File: VF061436.D

Acq: 17 Jan 2019 10:56

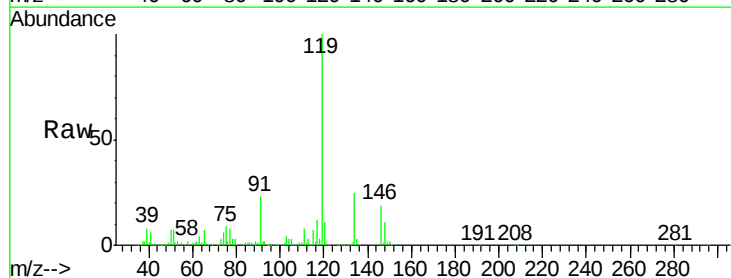
Tgt Ion:119 Resp: 573239

Ion Ratio Lower Upper

119 100

134 25.4 13.4 40.2

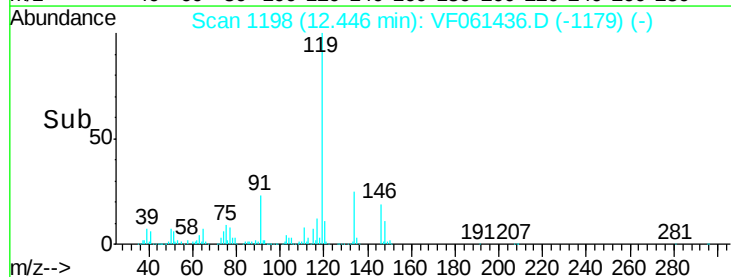
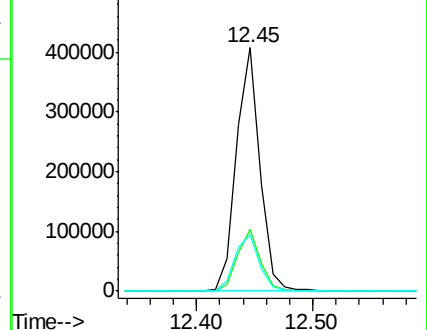
91 23.4 11.4 34.2

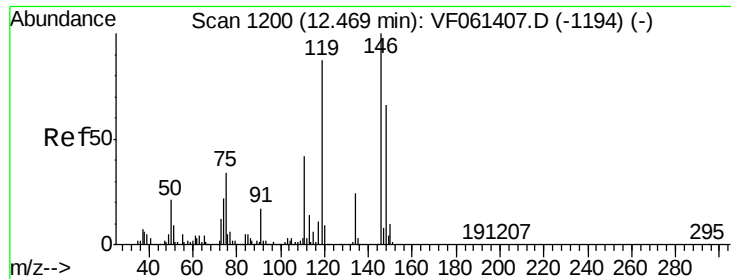


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

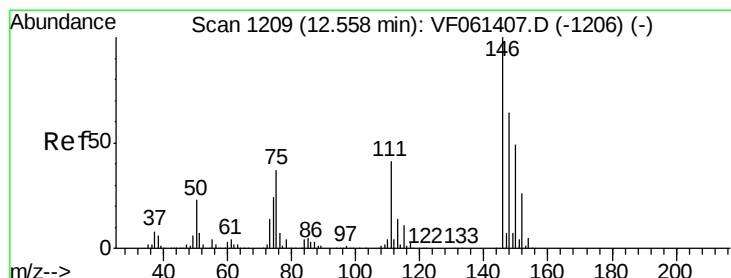
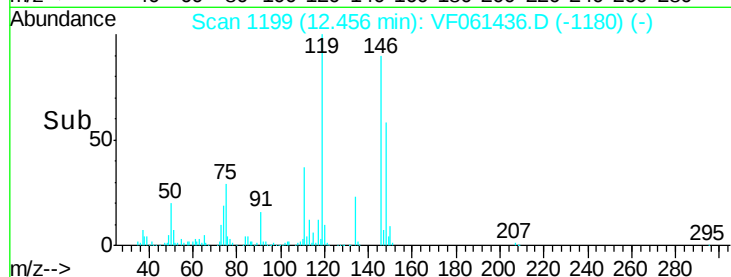
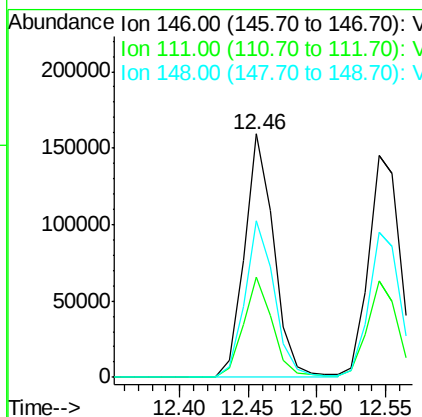
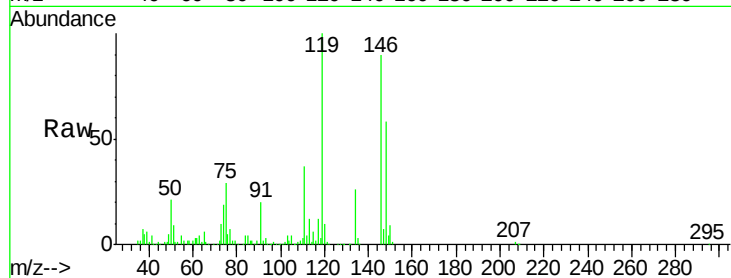




#87
 1,3-Dichlorobenzene
 Concen: 47.878 ug/l
 RT: 12.46 min Scan# 1199
 Delta R.T. -0.01 min
 Lab File: VF061436.D
 Acq: 17 Jan 2019 10:56

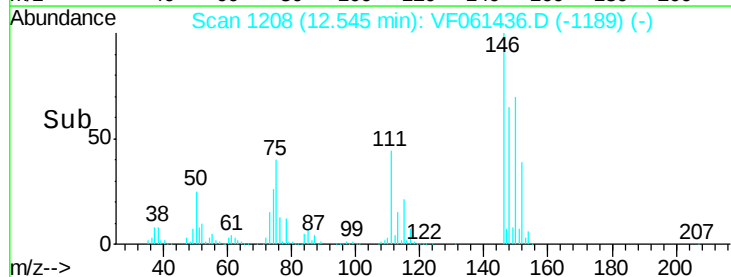
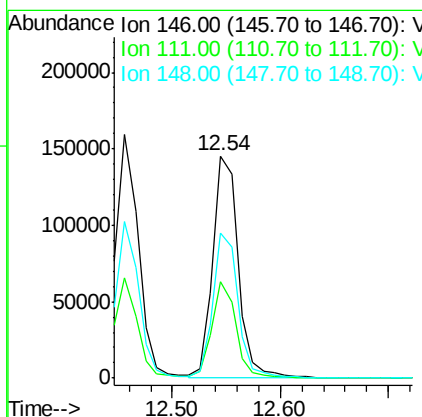
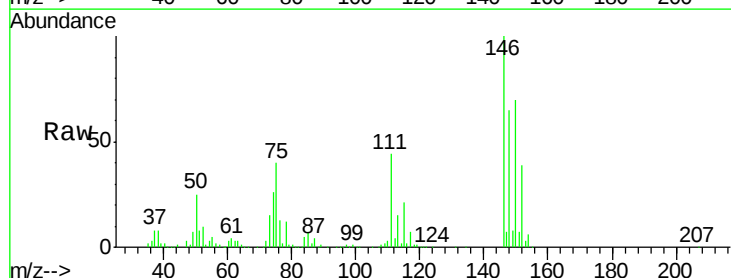
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

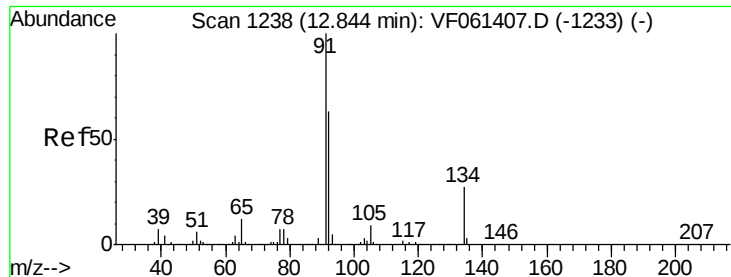
Tot Ion:146 Resp: 238939
 Ion Ratio Lower Upper
 146 100
 111 41.2 21.1 63.4
 148 64.5 32.9 98.6



#88
 1,4-Dichlorobenzene
 Concen: 50.143 ug/l
 RT: 12.54 min Scan# 1208
 Delta R.T. -0.01 min
 Lab File: VF061436.D
 Acq: 17 Jan 2019 10:56

Tgt Ion:146 Resp: 236784
 Ion Ratio Lower Upper
 146 100
 111 43.6 20.8 62.2
 148 65.2 32.1 96.5





#89

n-Butylbenzene

Concen: 51.974 ug/l

RT: 12.83 min Scan# 1237

Delta R.T. -0.01 min

Lab File: VF061436.D

Acq: 17 Jan 2019 10:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

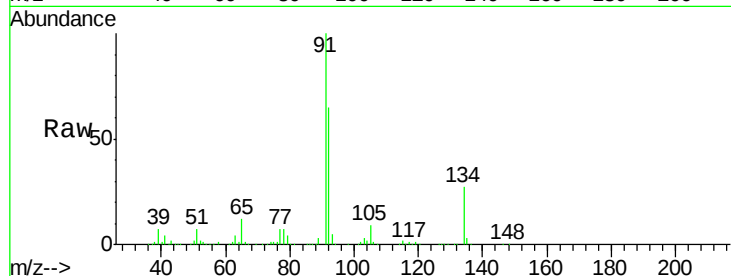
Tot Ion: 91 Resp: 590593

Ion Ratio Lower Upper

91 100

92 64.6 31.6 94.7

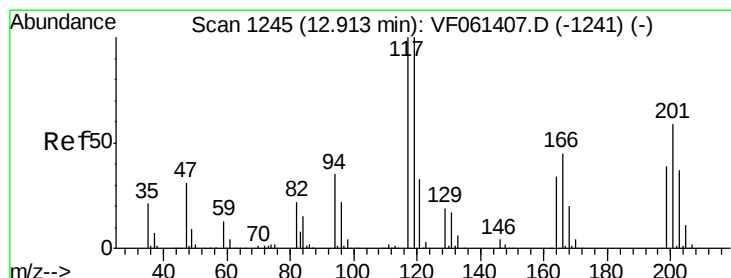
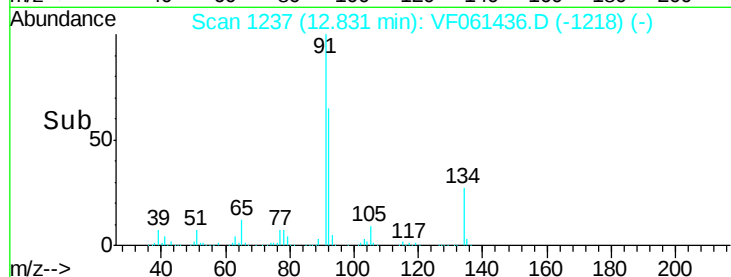
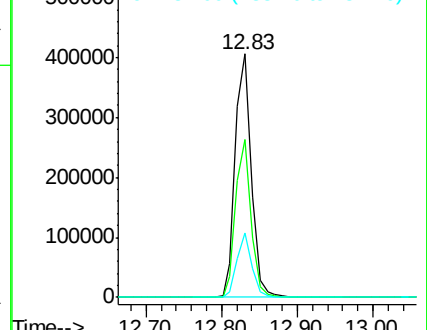
134 26.6 13.6 40.8



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: 54.069 ug/l

RT: 12.90 min Scan# 1244

Delta R.T. -0.01 min

Lab File: VF061436.D

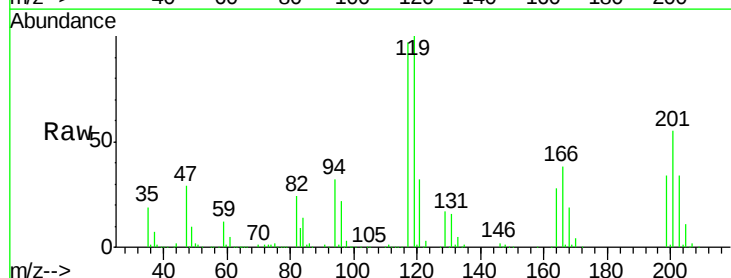
Acq: 17 Jan 2019 10:56

Tgt Ion: 117 Resp: 140431

Ion Ratio Lower Upper

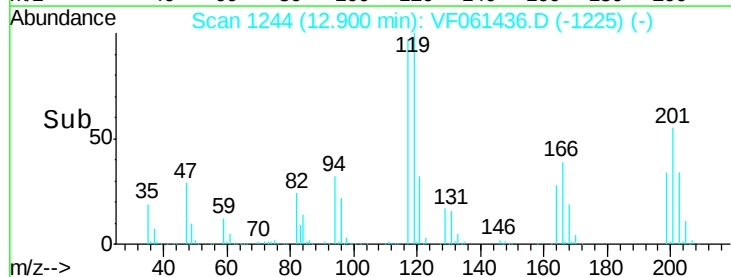
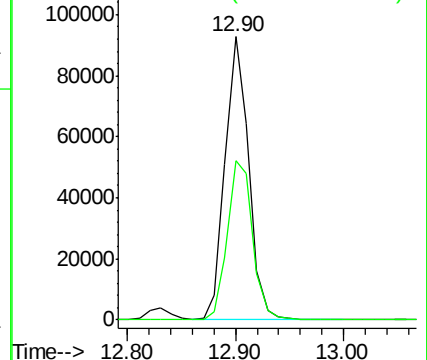
117 100

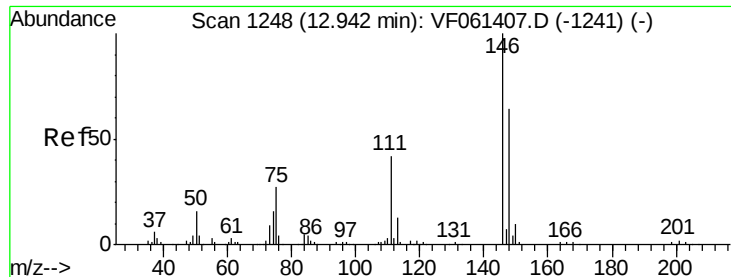
201 56.4 29.3 87.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V

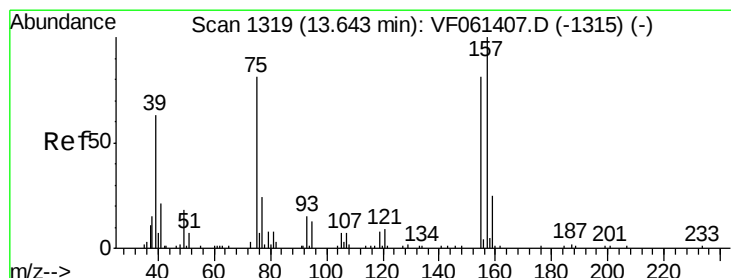
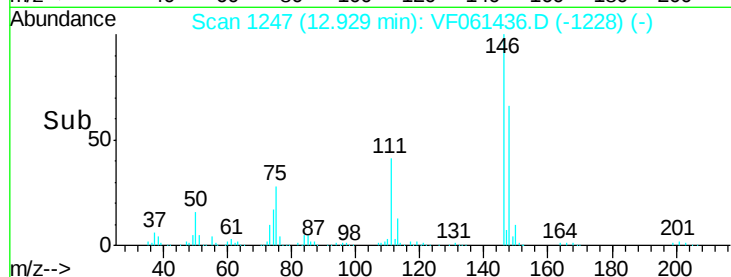
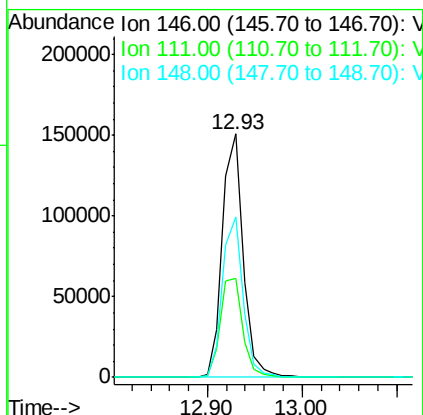
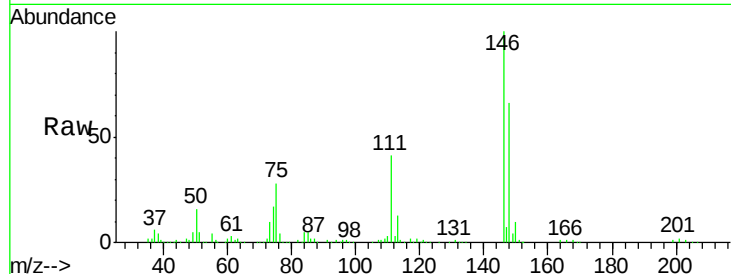




#91
 1,2-Dichlorobenzene
 Concen: 49.485 ug/l
 RT: 12.93 min Scan# 1247
 Delta R.T. -0.01 min
 Lab File: VF061436.D
 Acq: 17 Jan 2019 10:56

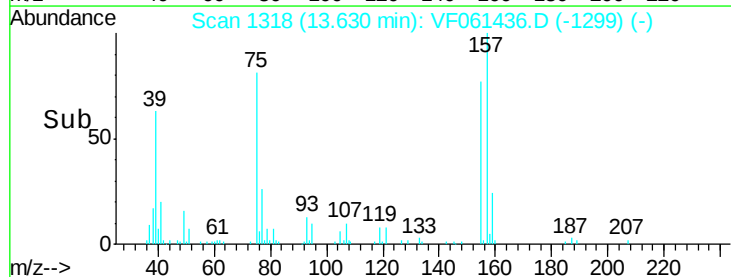
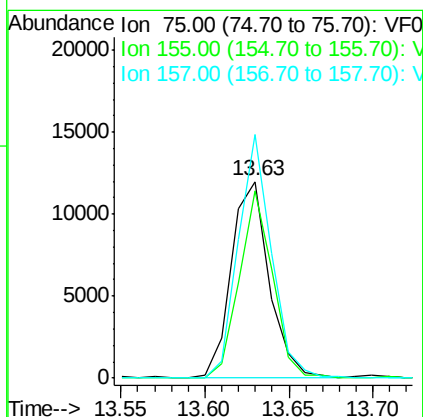
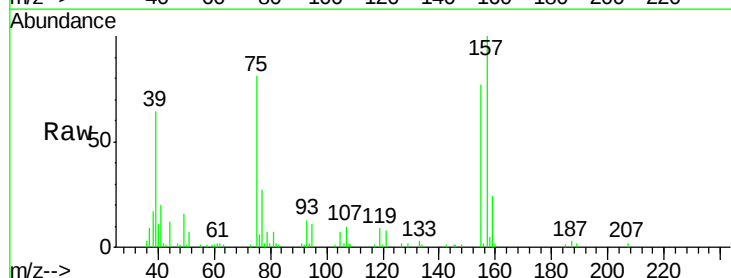
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

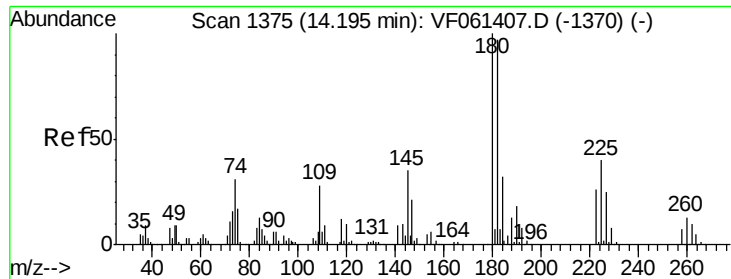
Tot Ion:146 Resp: 231331
 Ion Ratio Lower Upper
 146 100
 111 40.6 21.1 63.3
 148 66.1 31.9 95.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.197 ug/l
 RT: 13.63 min Scan# 1318
 Delta R.T. -0.01 min
 Lab File: VF061436.D
 Acq: 17 Jan 2019 10:56

Tgt Ion: 75 Resp: 18768
 Ion Ratio Lower Upper
 75 100
 155 95.1 49.7 149.1
 157 123.8 61.4 184.1

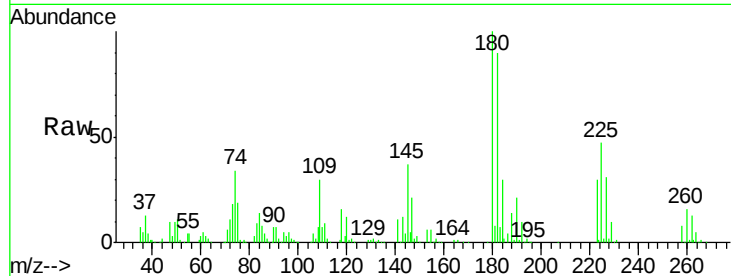




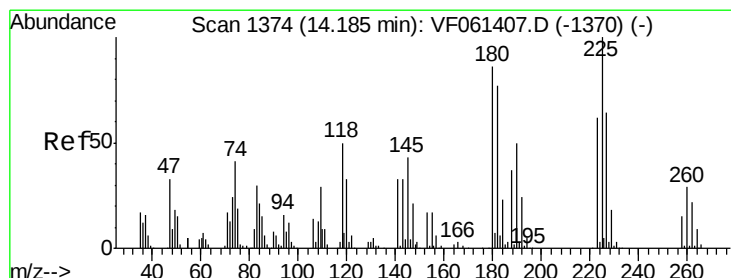
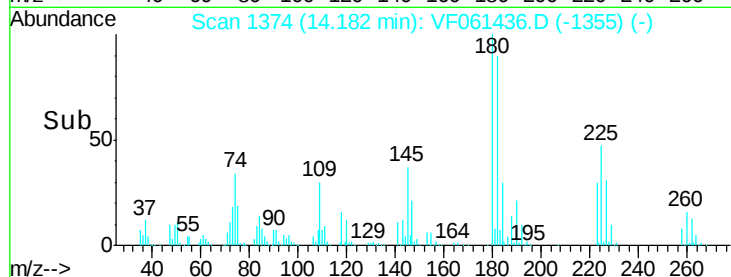
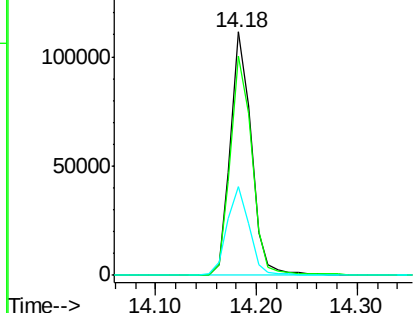
#93
 1,2,4-Trichlorobenzene
 Concen: 49.246 ug/l
 RT: 14.18 min Scan# 1374
 Delta R.T. -0.01 min
 Lab File: VF061436.D
 Acq: 17 Jan 2019 10:56

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion:180 Resp: 161269
 Ion Ratio Lower Upper
 180 100
 182 90.2 48.5 145.6
 145 36.7 17.5 52.6

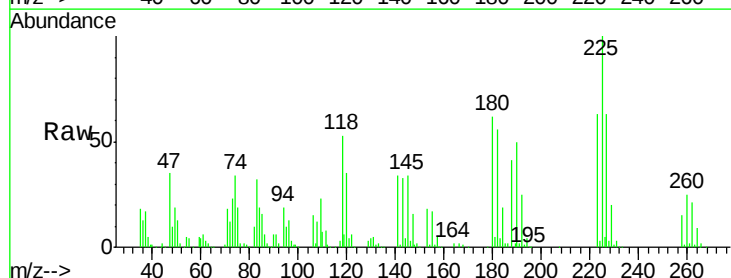


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

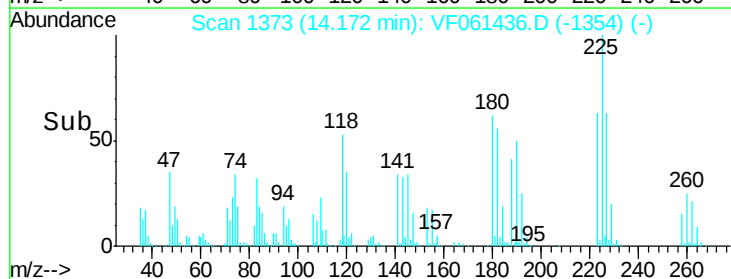
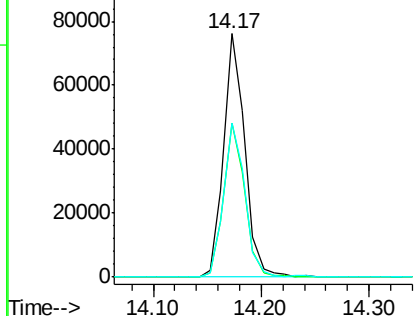


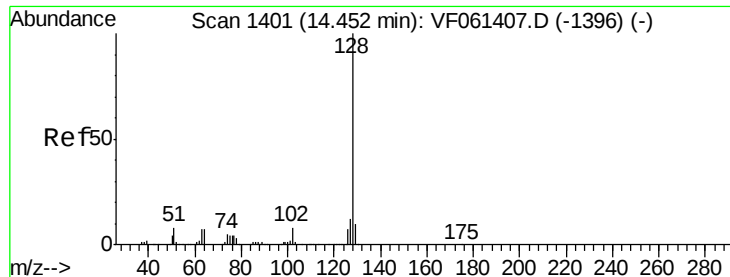
#94
 Hexachlorobutadiene
 Concen: 51.111 ug/l
 RT: 14.17 min Scan# 1373
 Delta R.T. -0.01 min
 Lab File: VF061436.D
 Acq: 17 Jan 2019 10:56

Tgt Ion:225 Resp: 103861
 Ion Ratio Lower Upper
 225 100
 223 63.3 31.1 93.2
 227 63.4 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





#95

Naphthalene

Concen: 49.767 ug/l

RT: 14.44 min Scan# 1400

Delta R.T. -0.01 min

Lab File: VF061436.D

Acq: 17 Jan 2019 10:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

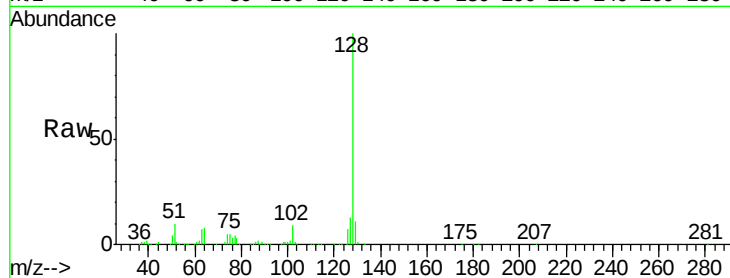
Tot Ion:128 Resp: 309639

Ion Ratio Lower Upper

128 100

127 12.6 9.5 14.3

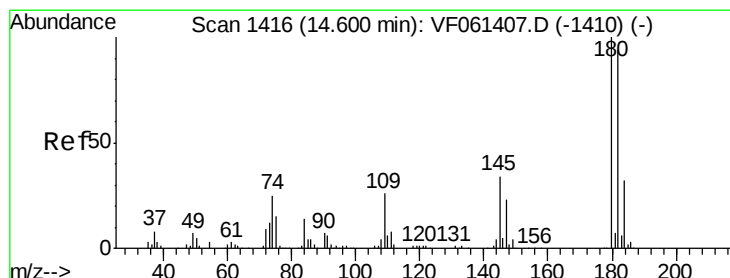
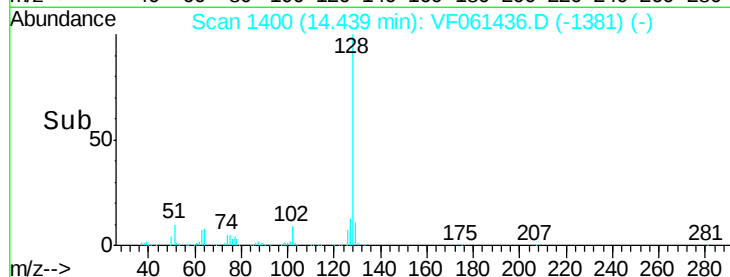
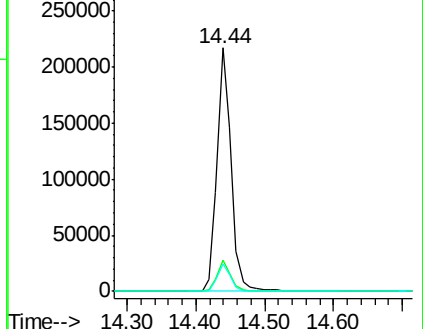
129 11.1 8.4 12.6



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: 49.722 ug/l

RT: 14.59 min Scan# 1415

Delta R.T. -0.01 min

Lab File: VF061436.D

Acq: 17 Jan 2019 10:56

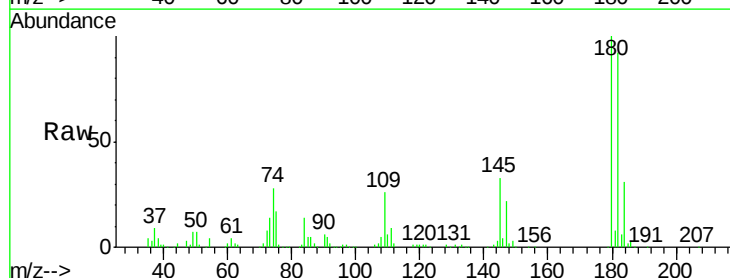
Tgt Ion:180 Resp: 150731

Ion Ratio Lower Upper

180 100

182 91.8 47.0 141.2

145 33.0 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

