

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF070618\
 Data File : VF059449.D
 Acq On : 6 Jul 2018 14:05
 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: Jul 07 01:48:53 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F062518S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 26 08:45:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.02	168	250395	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	377179	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	372950	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	234444	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.00	65	155732	48.14	ug/l	0.00
Spiked Amount			Recovery	=	96.28%	
35) Dibromofluoromethane	4.27	113	132373	48.03	ug/l	0.00
Spiked Amount			Recovery	=	96.06%	
50) Toluene-d8	7.69	98	305926	44.83	ug/l	0.00
Spiked Amount			Recovery	=	89.66%	
62) 4-Bromofluorobenzene	11.49	95	184355	47.90	ug/l	0.00
Spiked Amount			Recovery	=	95.80%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.98	85	111733	48.840	ug/l	94
3) Chloromethane	1.08	50	62707	40.801	ug/l	94
4) Vinyl Chloride	1.14	62	72049	47.625	ug/l	95
5) Bromomethane	1.33	94	46302	54.888	ug/l	97
6) Chloroethane	1.42	64	37504	49.221	ug/l	99
7) Trichlorofluoromethane	1.48	101	47580	15.905	ug/l	95
8) Diethyl Ether	1.69	74	39110	50.988	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	1.88	101	89726	51.383	ug/l	92
10) Methyl Iodide	1.95	142	153308	48.145	ug/l	96
11) Tert butyl alcohol	2.68	59	55629	258.295	ug/l	97
12) 1,1-Dichloroethene	1.84	96	77327	52.381	ug/l	95
13) Acrolein	2.08	56	25353	246.618	ug/l	92
14) Allyl chloride	2.18	41	144475	52.135	ug/l	97
15) Acrylonitrile	3.05	53	110312	290.859	ug/l	96
16) Acetone	2.32	43	245615	306.295	ug/l	95
17) Carbon Disulfide	1.85	76	153180	44.112	ug/l #	94
18) Methyl Acetate	2.43	43	94463	65.044	ug/l #	91
19) Methyl tert-butyl Ether	2.52	73	295606	53.685	ug/l	94
20) Methylene Chloride	2.26	84	37466	15.561	ug/l	94
21) trans-1,2-Dichloroethene	2.39	96	74576	47.357	ug/l	99
22) Diisopropyl ether	2.91	45	324976	52.958	ug/l	95
23) Vinyl Acetate	3.31	43	1014805	259.669	ug/l	99
24) 1,1-Dichloroethane	2.99	63	194354	51.083	ug/l	100
25) 2-Butanone	4.48	43	275255	281.610	ug/l	98
26) 2,2-Dichloropropane	3.73	77	147446	56.187	ug/l	96
27) cis-1,2-Dichloroethene	3.61	96	115178	48.173	ug/l	92
28) Bromochloromethane	3.86	49	73881	50.618	ug/l	88
29) Tetrahydrofuran	4.23	42	120887	292.016	ug/l	97
30) Chloroform	4.01	83	292176	53.046	ug/l	95
31) Cyclohexane	3.84	56	114840	46.076	ug/l	96
32) 1,1,1-Trichloroethane	4.25	97	213538	52.979	ug/l	93
36) 1,1-Dichloropropene	4.43	75	161470	49.005	ug/l	100
37) Ethyl Acetate	4.27	43	117639	55.989	ug/l	96
38) Carbon Tetrachloride	4.15	117	252574	60.741	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.60	83	141304	48.395	ug/l	91
40) Benzene	4.78	78	354446	48.517	ug/l	98
41) Methacrylonitrile	4.90	41	54437	48.433	ug/l #	88
42) 1,2-Dichloroethane	5.09	62	238231	55.806	ug/l	98
43) Isopropyl Acetate	7.09	43	151144	55.071	ug/l	96
44) Trichloroethene	5.65	130	122815	49.006	ug/l	93
45) 1,2-Dichloropropane	6.38	63	109413	52.419	ug/l	99
46) Dibromomethane	6.23	93	101244	55.885	ug/l	99
47) Bromodichloromethane	6.52	83	244667	55.791	ug/l	100
48) Methyl methacrylate	6.85	41	98020	53.288	ug/l	95
49) 1,4-Dioxane	6.85	88	10162	1036.976	ug/l	95
51) 4-Methyl-2-Pentanone	8.39	43	552484	271.718	ug/l	98
52) Toluene	7.76	92	272841	49.910	ug/l	100
53) t-1,3-Dichloropropene	8.41	75	206014	51.537	ug/l	96
54) cis-1,3-Dichloropropene	7.43	75	234990	54.120	ug/l	98
55) 1,1,2-Trichloroethane	8.61	97	117101	55.171	ug/l	96
56) Ethyl methacrylate	8.74	69	140187	53.317	ug/l	95
57) 1,3-Dichloropropane	8.98	76	189421	52.036	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.76	63	52782	267.663	ug/l	100
59) 2-Hexanone	9.61	43	475687	315.860	ug/l	99
60) Dibromochloromethane	8.84	129	187693	57.279	ug/l	89
61) 1,2-Dibromoethane	9.12	107	134613	52.295	ug/l	98
64) Tetrachloroethene	8.28	164	122623	50.694	ug/l	98
65) Chlorobenzene	9.92	112	361387	52.293	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.05	131	157500	52.694	ug/l	97
67) Ethyl Benzene	10.01	91	595328	50.780	ug/l	95
68) m/p-Xylenes	10.25	106	418599	100.316	ug/l	94
69) o-Xylene	10.81	106	243355	52.140	ug/l	99
70) Styrene	10.88	104	363184	51.082	ug/l	98
71) Bromoform	10.87	173	119317	58.241	ug/l	96
73) Isopropylbenzene	11.22	105	719565	52.684	ug/l	97
74) N-amyl acetate	11.44	43	269029	54.279	ug/l	93
75) 1,1,2,2-Tetrachloroethane	11.77	83	180363	52.288	ug/l	97
76) 1,2,3-Trichloropropane	11.87	75	142228	54.661	ug/l	95
77) Bromobenzene	11.58	156	199250	52.582	ug/l	88
78) n-propylbenzene	11.67	91	820410	50.016	ug/l	97
79) 2-Chlorotoluene	11.80	91	525127	52.401	ug/l	100
80) 1,3,5-Trimethylbenzene	11.90	105	644346	53.857	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.95	75	82171	53.059	ug/l	95
82) 4-Chlorotoluene	11.98	91	550997	51.332	ug/l	94
83) tert-Butylbenzene	12.20	119	645514	53.946	ug/l	94
84) 1,2,4-Trimethylbenzene	12.27	105	663691	52.672	ug/l	97
85) sec-Butylbenzene	12.38	105	832698	52.499	ug/l	98
86) p-Isopropyltoluene	12.53	119	691716	51.966	ug/l	99
87) 1,3-Dichlorobenzene	12.55	146	350126	56.568	ug/l	96
88) 1,4-Dichlorobenzene	12.64	146	357874	52.883	ug/l	98
89) n-Butylbenzene	12.90	91	719256	53.228	ug/l	97
90) Hexachloroethane	12.98	117	181547	54.723	ug/l	82
91) 1,2-Dichlorobenzene	13.01	146	362858	52.747	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.70	75	43589	57.005	ug/l	73

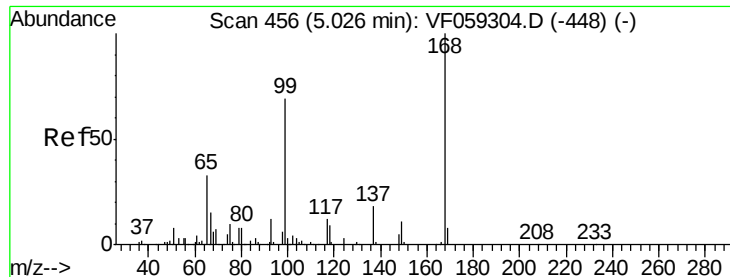
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	290133	57.038	ug/l	97
94) Hexachlorobutadiene	14.24	225	171824	60.476	ug/l	95
95) Naphthalene	14.51	128	632862	59.465	ug/l	100
96) 1,2,3-Trichlorobenzene	14.66	180	287399	59.643	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.02 min Scan# 455

Delta R.T. -0.01 min

Lab File: VF059449.D

Acq: 6 Jul 2018 14:05

Instrument :

MSVOA_F

ClientSampleId :

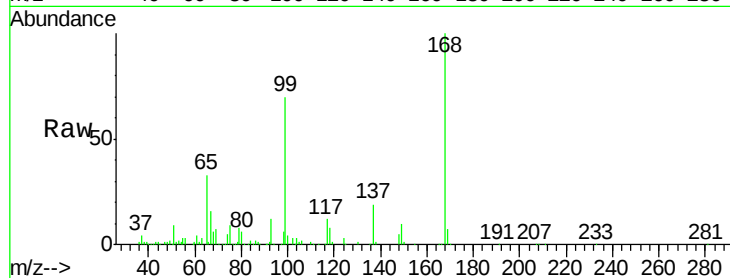
VSTDCCC050

Tot Ion:168 Resp: 250395

Ion Ratio Lower Upper

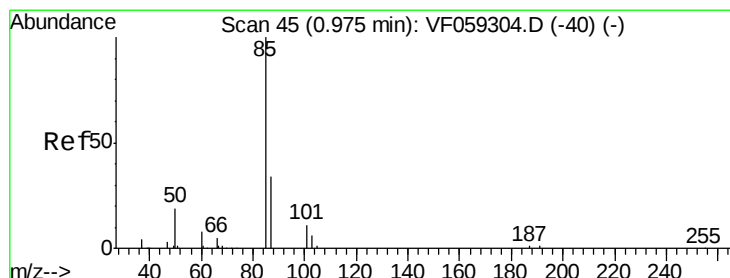
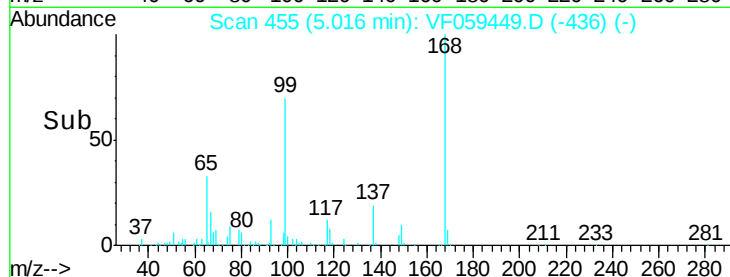
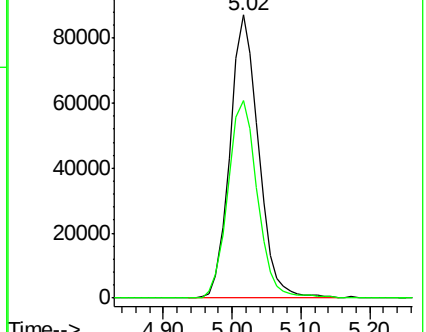
168 100

99 69.7 54.9 82.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 48.840 ug/l

RT: 0.98 min Scan# 46

Delta R.T. 0.01 min

Lab File: VF059449.D

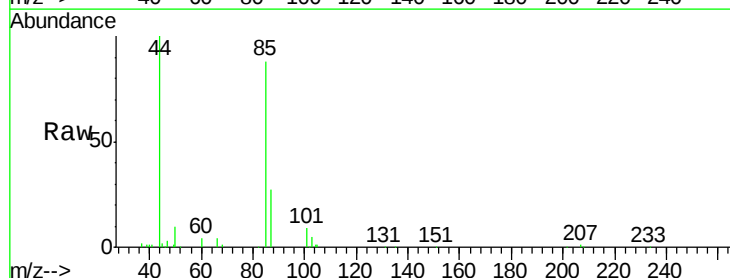
Acq: 6 Jul 2018 14:05

Tgt Ion: 85 Resp: 111733

Ion Ratio Lower Upper

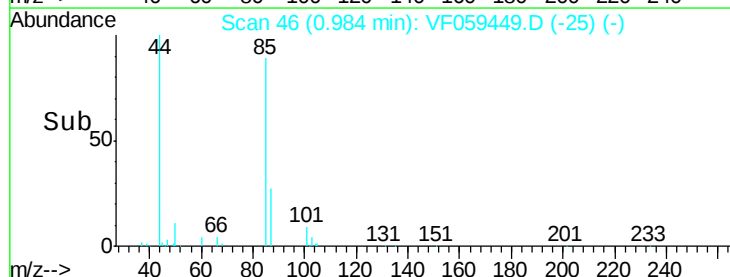
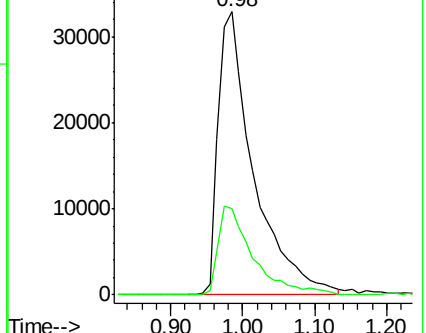
85 100

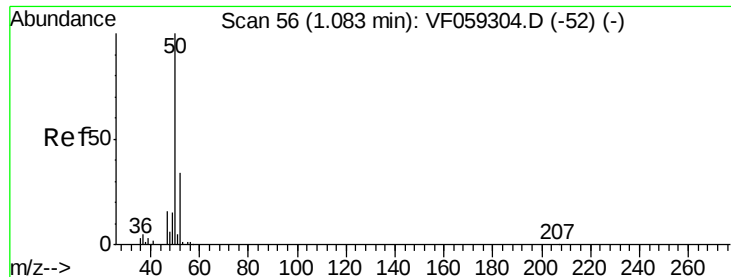
87 30.7 17.1 51.3



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 40.801 ug/l

RT: 1.08 min Scan# 56

Delta R.T. -0.00 min

Lab File: VF059449.D

Acq: 6 Jul 2018 14:05

Instrument :

MSVOA_F

ClientSampleId :

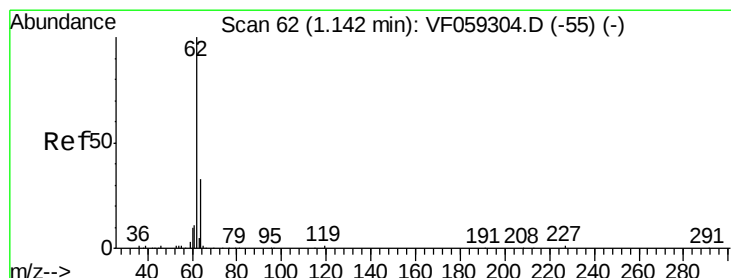
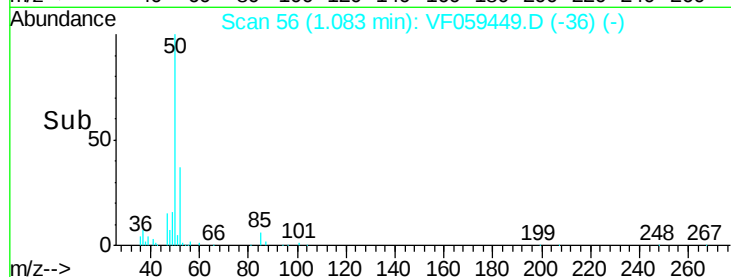
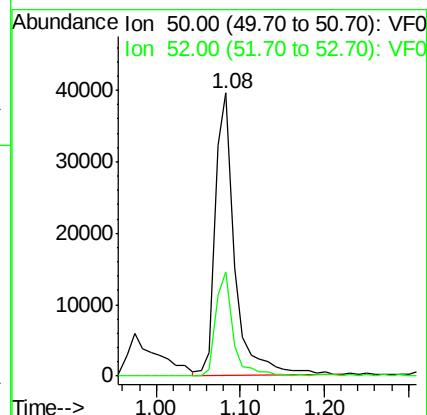
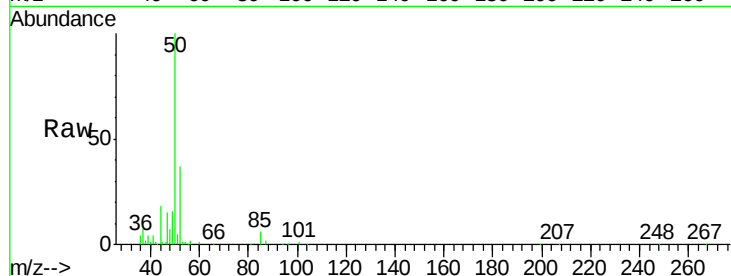
VSTDCCC050

Tot Ion: 50 Resp: 62707

Ion Ratio Lower Upper

50 100

52 37.0 26.7 40.1



#4

Vinyl Chloride

Concen: 47.625 ug/l

RT: 1.14 min Scan# 62

Delta R.T. -0.00 min

Lab File: VF059449.D

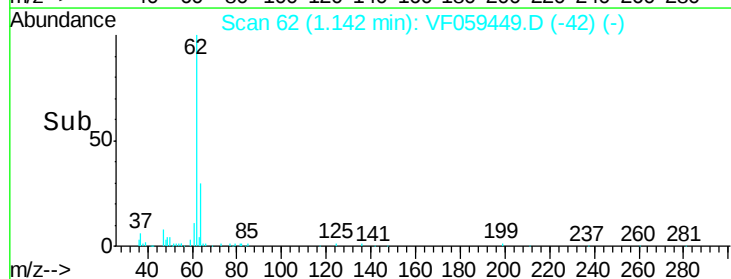
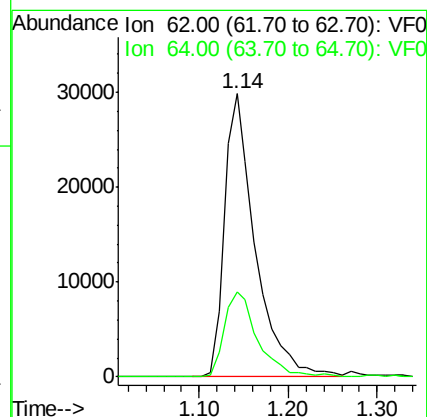
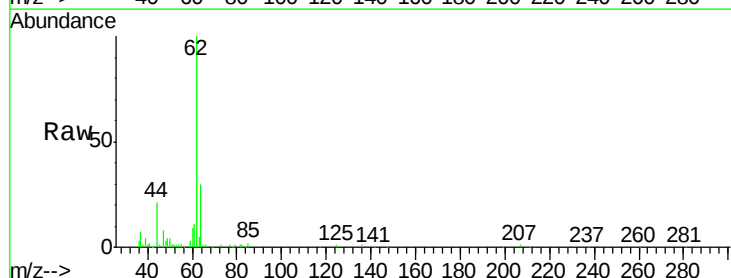
Acq: 6 Jul 2018 14:05

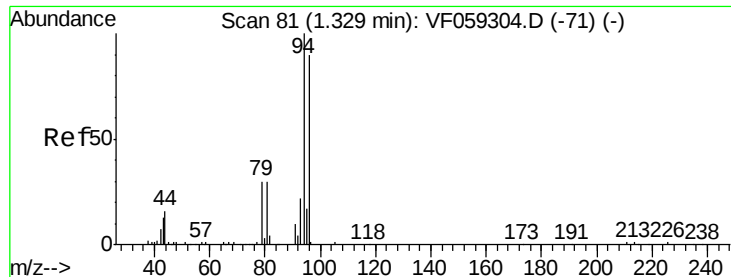
Tgt Ion: 62 Resp: 72049

Ion Ratio Lower Upper

62 100

64 30.0 26.3 39.5





#5

Bromomethane

Concen: 54.888 ug/l

RT: 1.33 min Scan# 81

Delta R.T. 0.00 min

Lab File: VF059449.D

Acq: 6 Jul 2018 14:05

Instrument :

MSVOA_F

ClientSampleId :

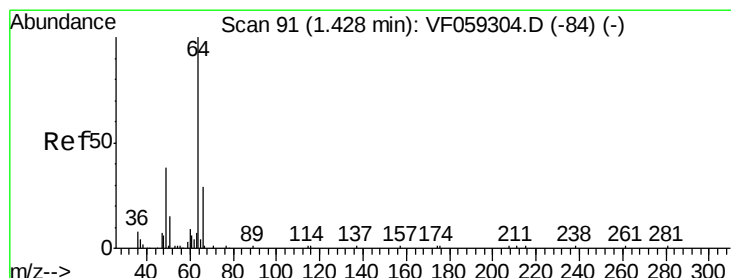
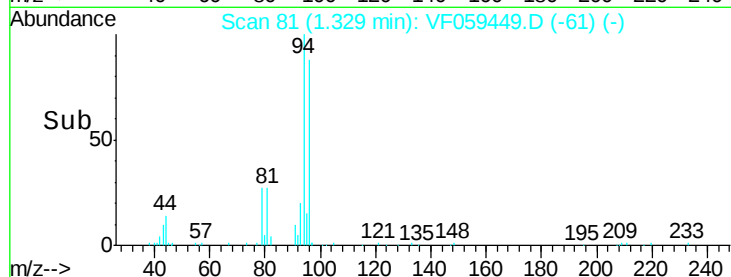
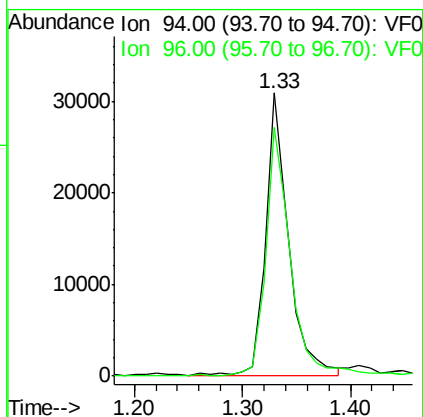
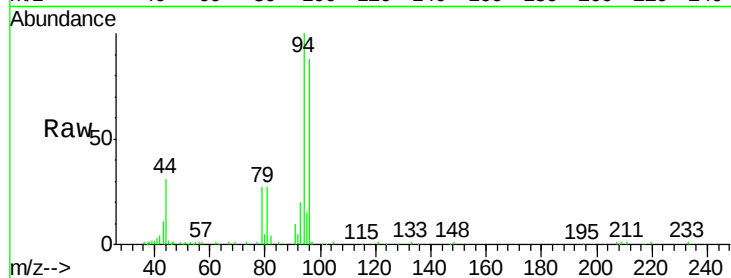
VSTDCCC050

Tot Ion: 94 Resp: 46302

Ion Ratio Lower Upper

94 100

96 89.1 73.4 110.0



#6

Chloroethane

Concen: 49.221 ug/l

RT: 1.42 min Scan# 90

Delta R.T. -0.01 min

Lab File: VF059449.D

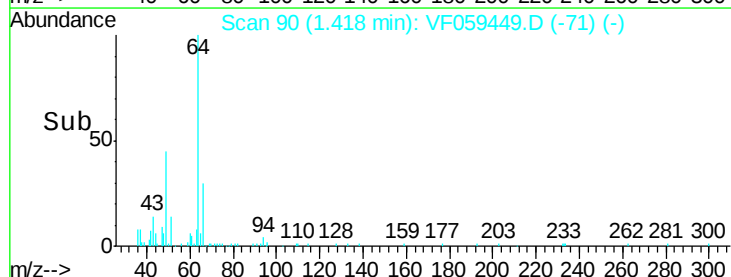
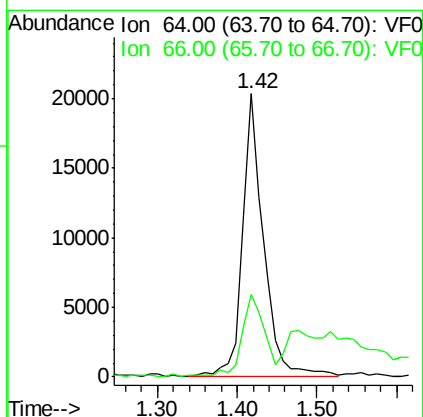
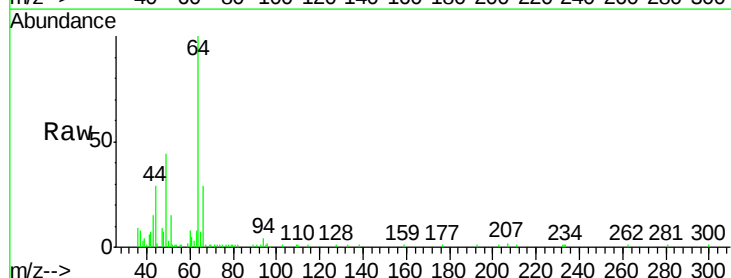
Acq: 6 Jul 2018 14:05

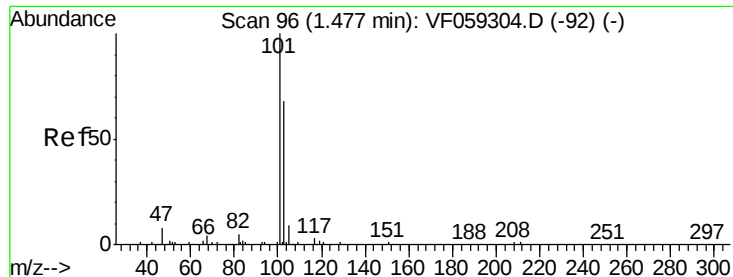
Tgt Ion: 64 Resp: 37504

Ion Ratio Lower Upper

64 100

66 29.3 23.9 35.9





#7

Trichlorofluoromethane

Concen: 15.905 ug/l

RT: 1.48 min Scan# 96

Delta R.T. -0.00 min

Lab File: VF059449.D

Acq: 6 Jul 2018 14:05

Instrument :

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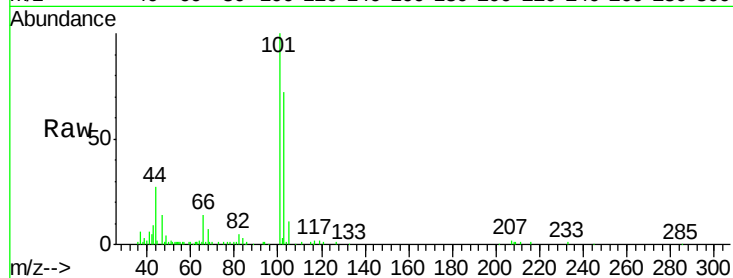
VSTDCCC050

Tot Ion:101 Resp: 47580

Ion Ratio Lower Upper

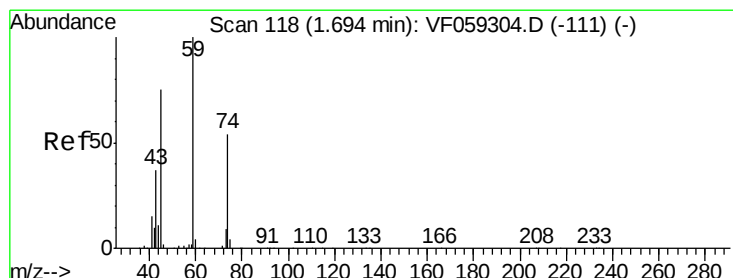
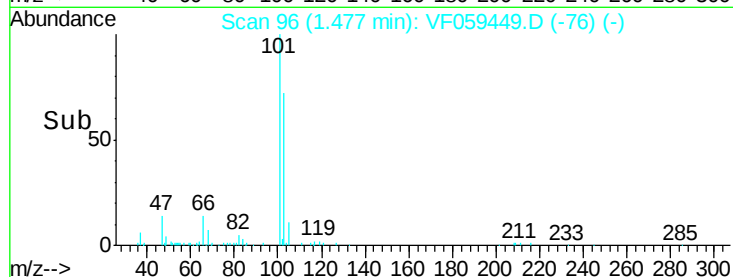
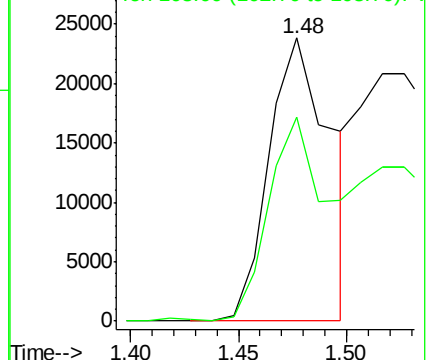
101 100

103 71.9 54.2 81.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 50.988 ug/l

RT: 1.69 min Scan# 118

Delta R.T. -0.00 min

Lab File: VF059449.D

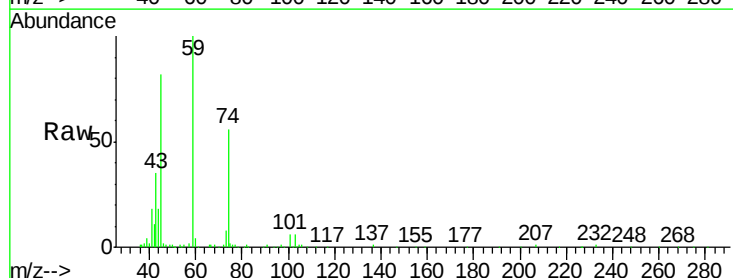
Acq: 6 Jul 2018 14:05

Tgt Ion: 74 Resp: 39110

Ion Ratio Lower Upper

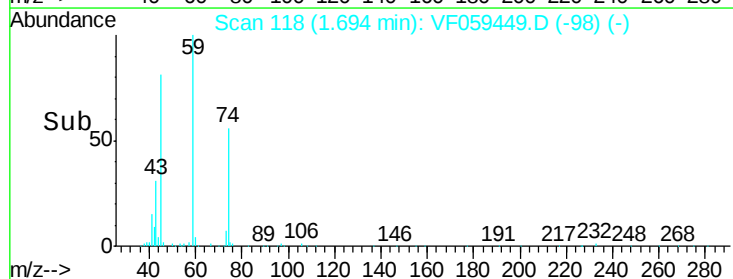
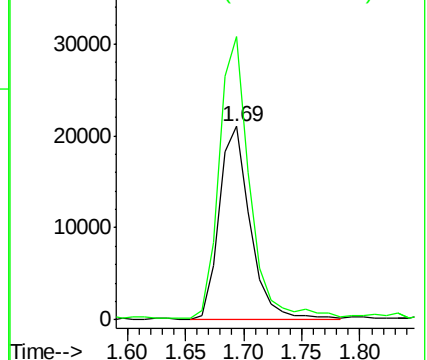
74 100

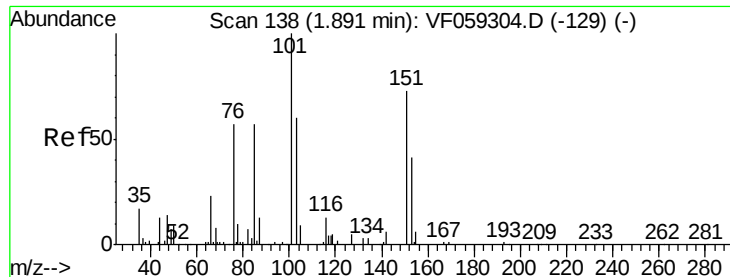
45 146.1 70.0 210.0



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.383 ug/l

RT: 1.88 min Scan# 137

Delta R.T. -0.01 min

Lab File: VF059449.D

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VSTDCCC050

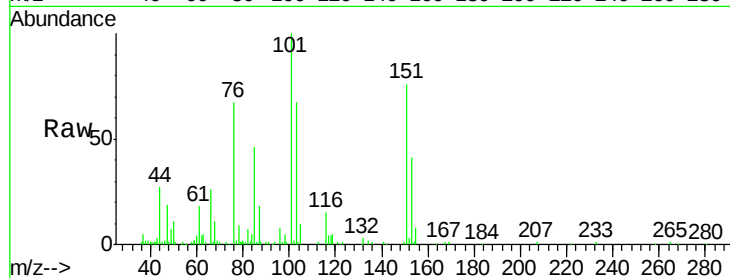
Tot Ion:101 Resp: 89726

Ion Ratio Lower Upper

101 100

85 47.5 44.5 66.7

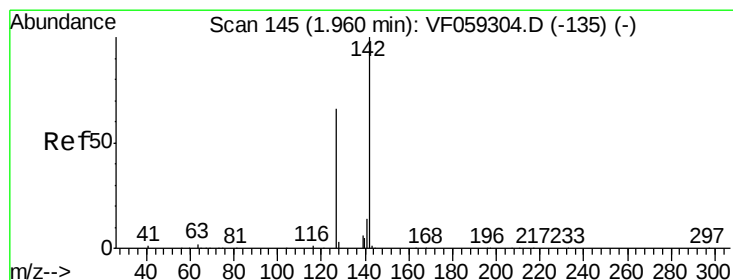
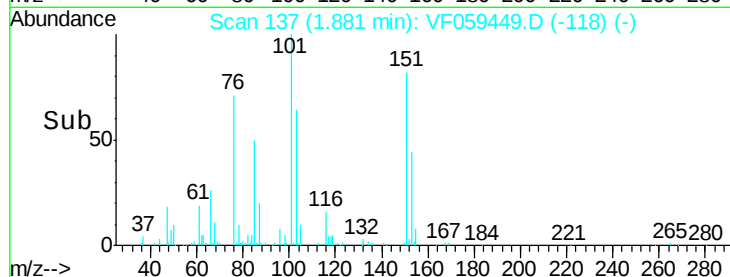
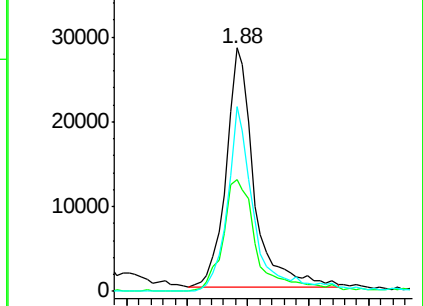
151 75.9 56.8 85.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 48.145 ug/l

RT: 1.95 min Scan# 144

Delta R.T. -0.01 min

Lab File: VF059449.D

Acq: 6 Jul 2018 14:05

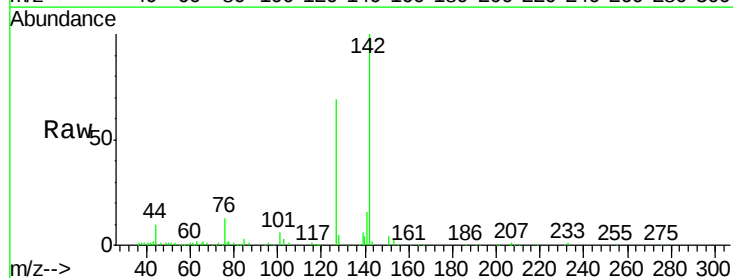
Tgt Ion:142 Resp: 153308

Ion Ratio Lower Upper

142 100

127 68.7 52.5 78.7

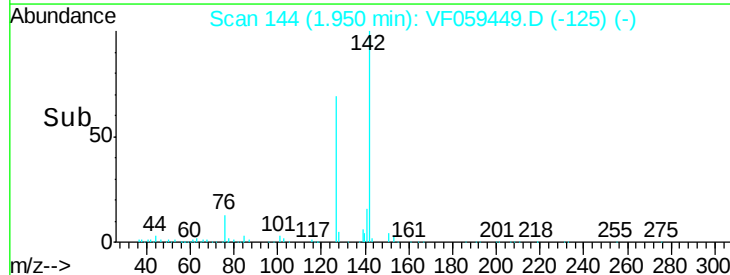
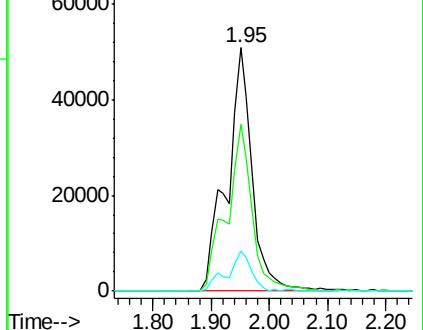
141 16.3 11.5 17.3

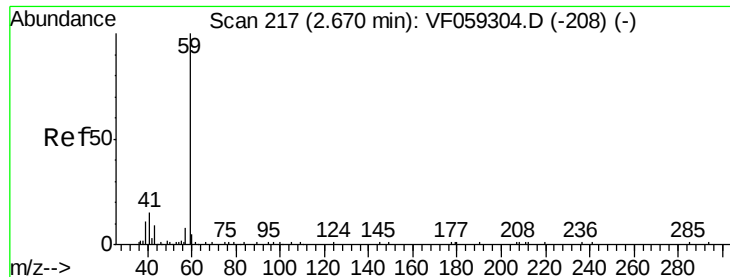


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



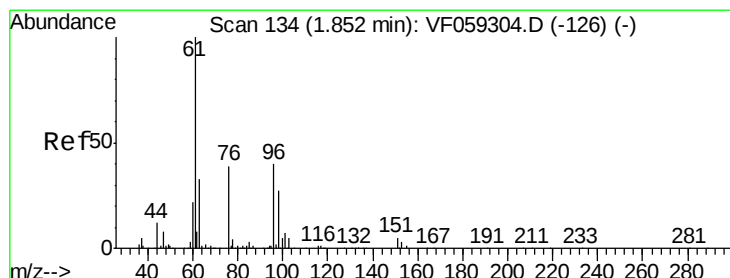
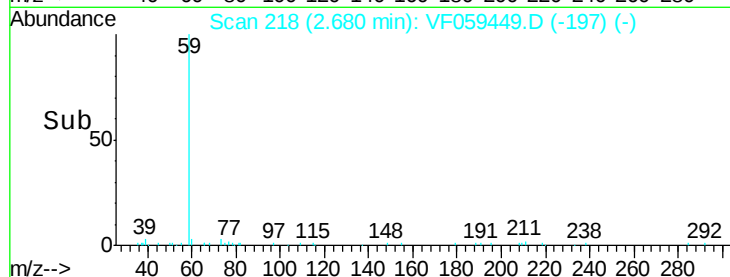
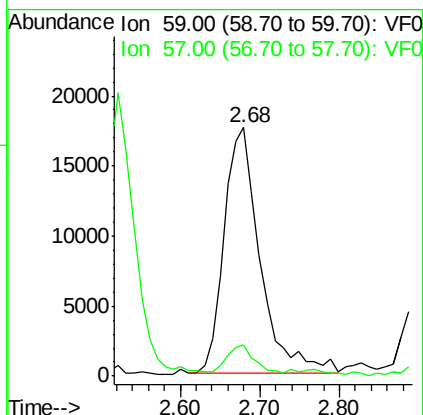
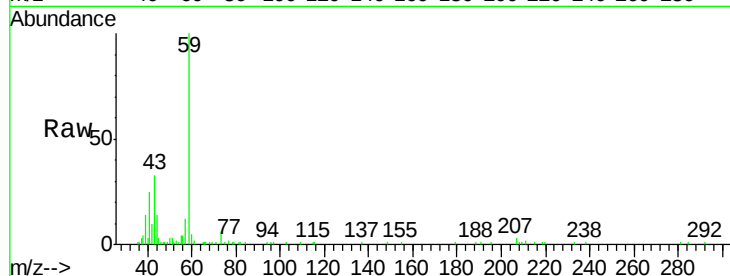


#11

Tert butyl alcohol
Concen: 258.295 ug/l
RT: 2.68 min Scan# 218
Delta R.T. 0.01 min
Lab File: VF059449.D
Acq: 6 Jul 2018 14:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

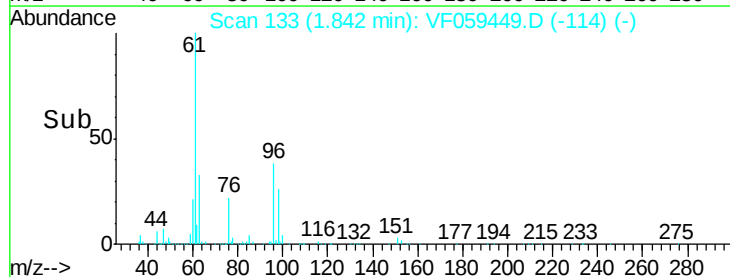
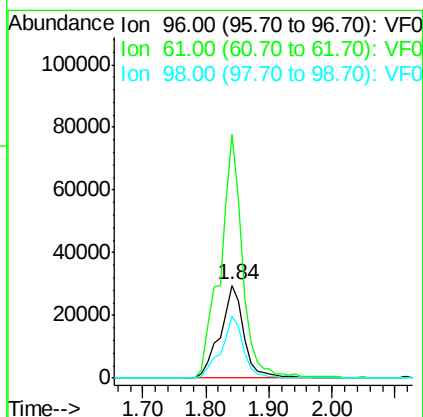
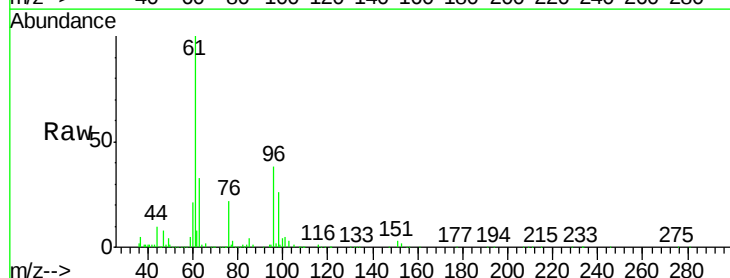
Tot Ion: 59 Resp: 55629
Ion Ratio Lower Upper
59 100
57 12.4 11.0 16.4

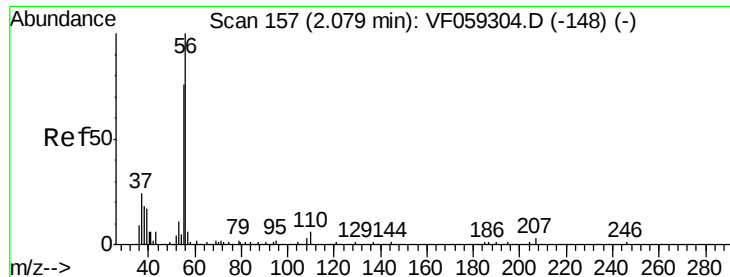


#12

1,1-Dichloroethene
Concen: 52.381 ug/l
RT: 1.84 min Scan# 133
Delta R.T. -0.01 min
Lab File: VF059449.D
Acq: 6 Jul 2018 14:05

Tgt Ion: 96 Resp: 77327
Ion Ratio Lower Upper
96 100
61 262.1 201.1 301.7
98 67.2 53.9 80.9





#13

Acrolein

Concen: 246.618 ug/l

RT: 2.08 min Scan# 157

Delta R.T. 0.00 min

Lab File: VF059449.D

Acq: 6 Jul 2018 14:05

Instrument :

MSVOA_F

ClientSampleId :

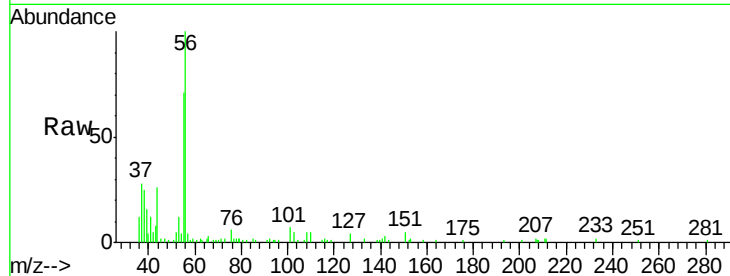
VSTDCCC050

Tot Ion: 56 Resp: 25353

Ion Ratio Lower Upper

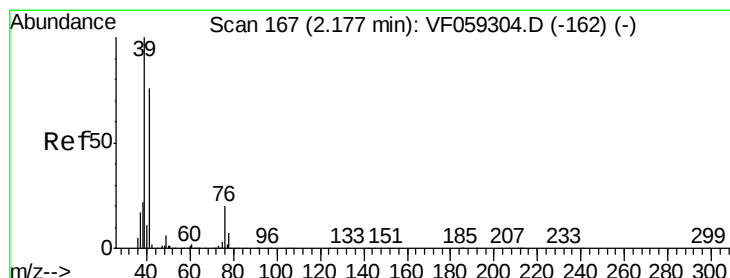
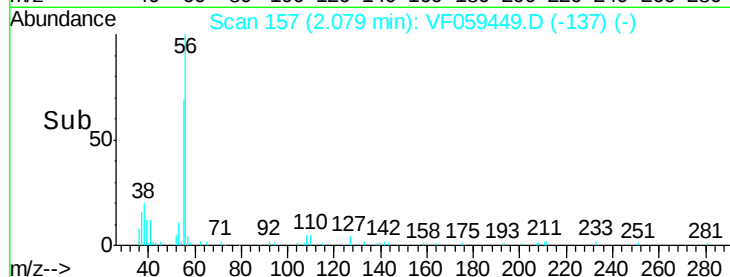
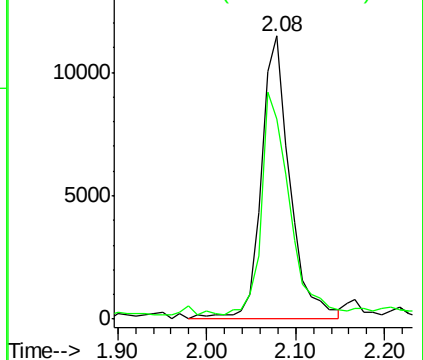
56 100

55 70.7 62.4 93.6



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#14

Allyl chloride

Concen: 52.135 ug/l

RT: 2.18 min Scan# 167

Delta R.T. -0.00 min

Lab File: VF059449.D

Acq: 6 Jul 2018 14:05

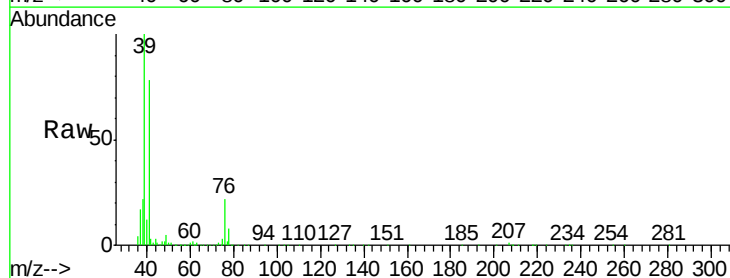
Tgt Ion: 41 Resp: 144475

Ion Ratio Lower Upper

41 100

39 128.9 105.6 158.4

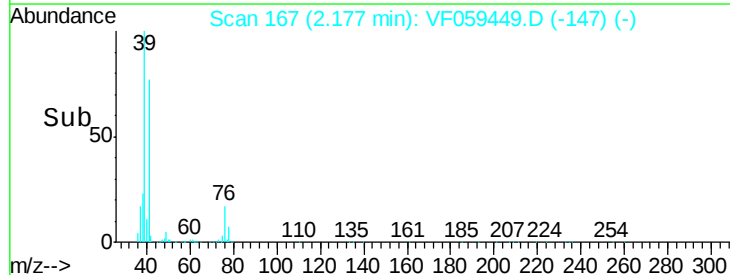
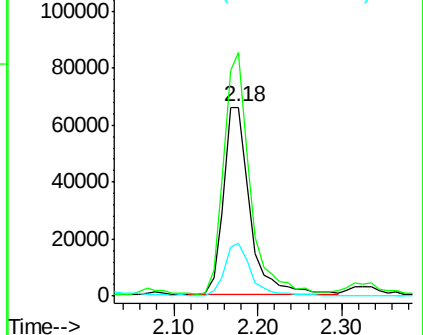
76 28.3 21.6 32.4

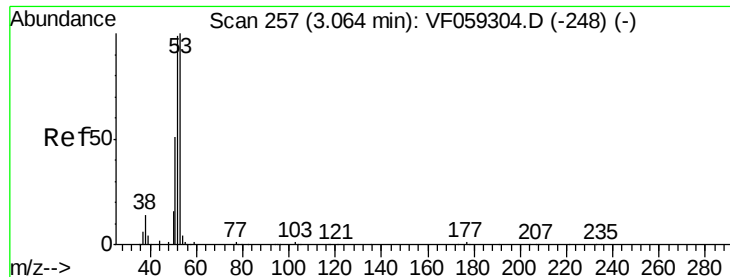


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0





#15

Acrylonitrile

Concen: 290.859 ug/l

RT: 3.05 min Scan# 256

Delta R.T. -0.01 min

Lab File: VF059449.D

Acq: 6 Jul 2018 14:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

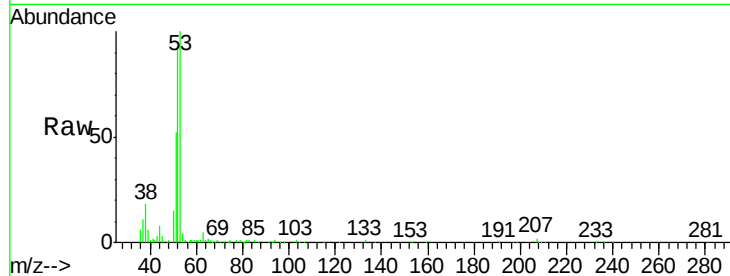
Tot Ion: 53 Resp: 110312

Ion Ratio Lower Upper

53 100

52 93.4 79.2 118.8

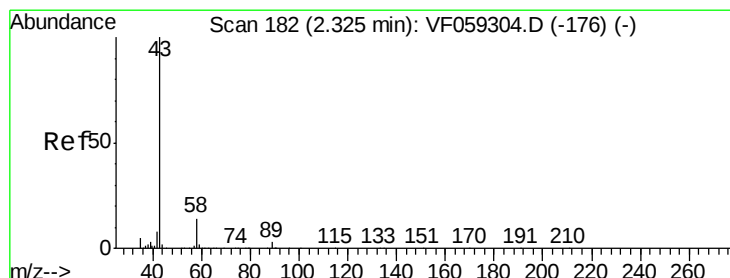
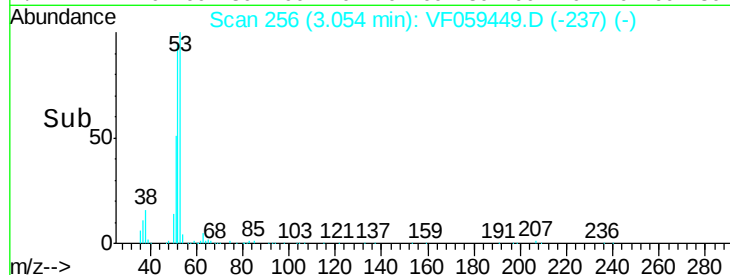
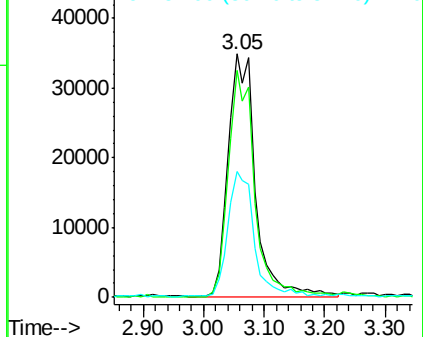
51 51.6 40.9 61.3



Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 306.295 ug/l

RT: 2.32 min Scan# 182

Delta R.T. -0.00 min

Lab File: VF059449.D

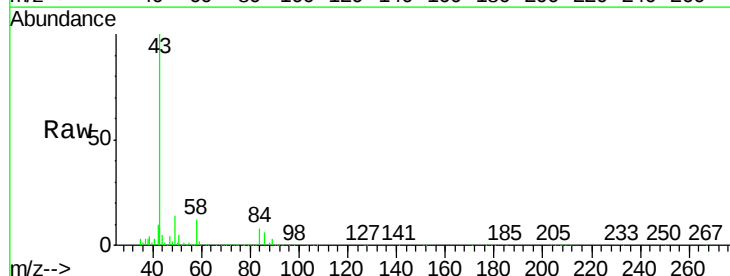
Acq: 6 Jul 2018 14:05

Tgt Ion: 43 Resp: 245615

Ion Ratio Lower Upper

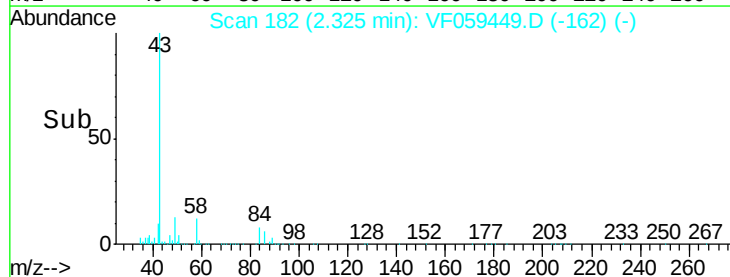
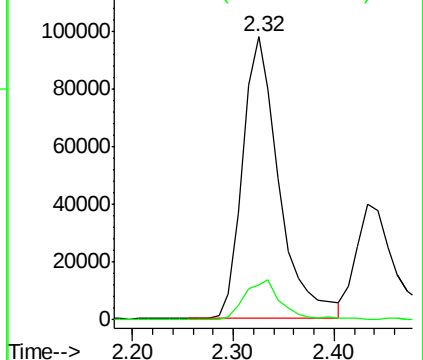
43 100

58 12.3 11.4 17.0



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#17

Carbon Disulfide

Concen: 44.112 ug/l

RT: 1.85 min Scan# 134

Delta R.T. 0.02 min

Lab File: VF059449.D

Acq: 6 Jul 2018 14:05

Instrument :

MSVOA_F

ClientSampleId :

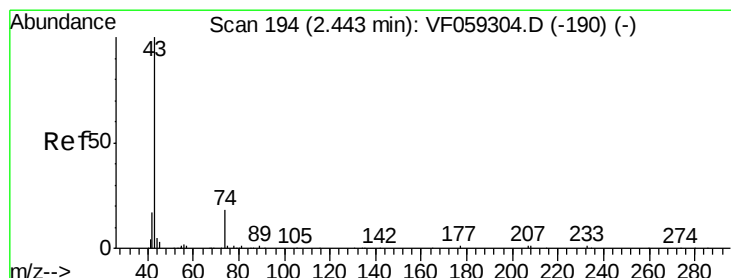
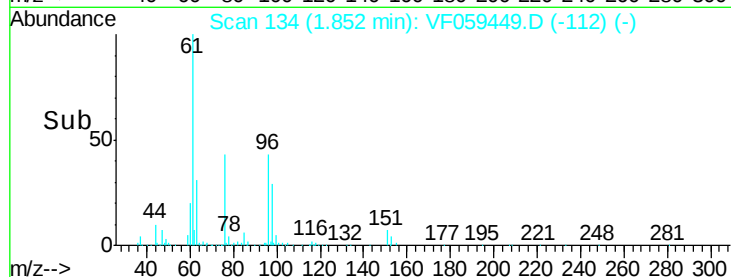
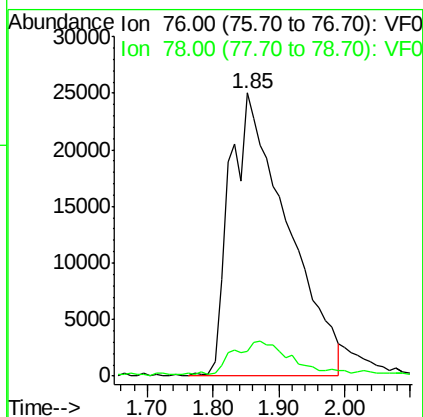
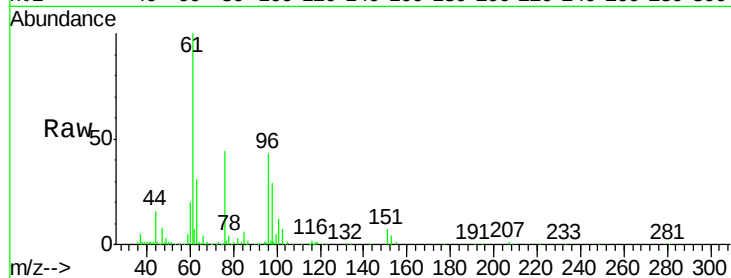
VSTDCCC050

Tot Ion: 76 Resp: 153180

Ion Ratio Lower Upper

76 100

78 8.9 8.9 13.3#



#18

Methyl Acetate

Concen: 65.044 ug/l

RT: 2.43 min Scan# 193

Delta R.T. -0.01 min

Lab File: VF059449.D

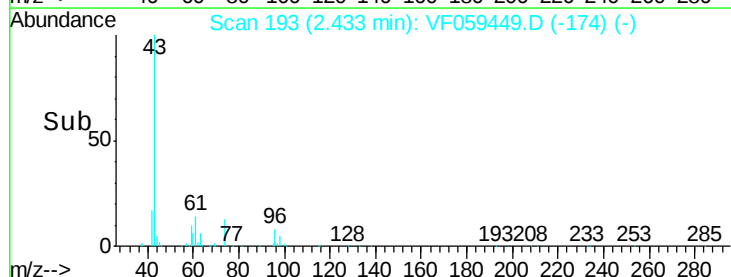
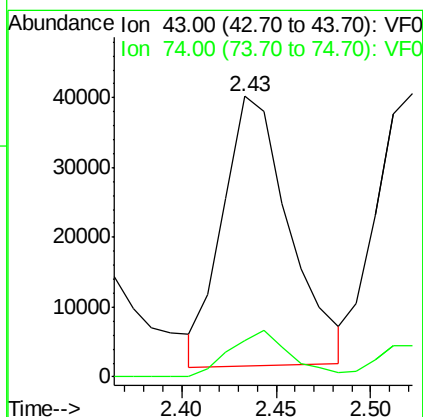
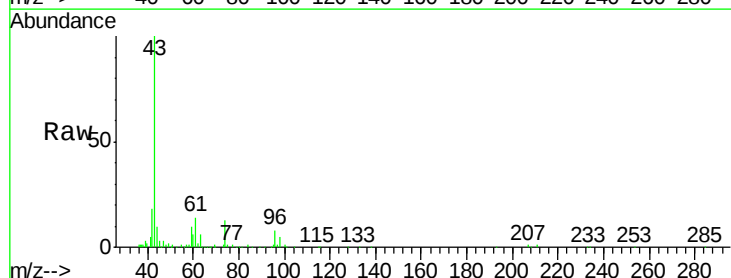
Acq: 6 Jul 2018 14:05

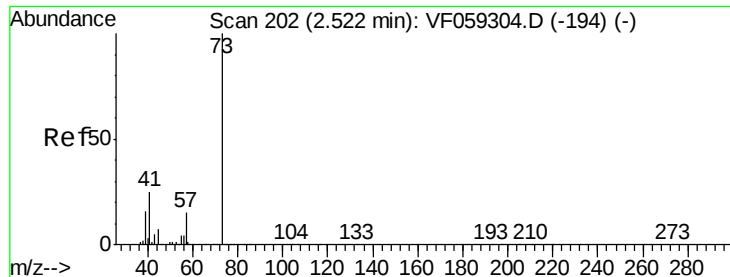
Tgt Ion: 43 Resp: 94463

Ion Ratio Lower Upper

43 100

74 12.9 13.3 19.9#



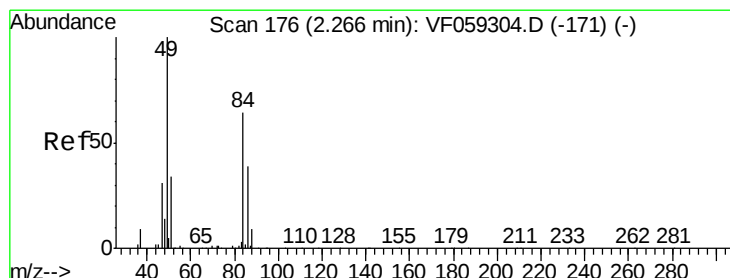
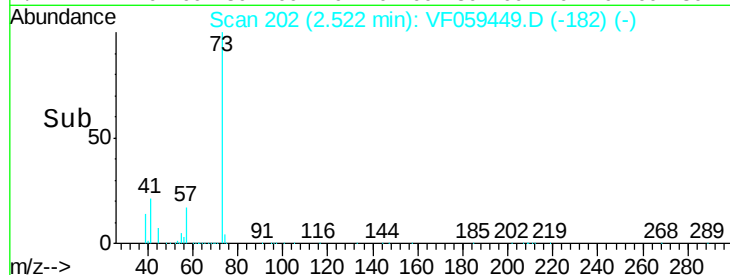
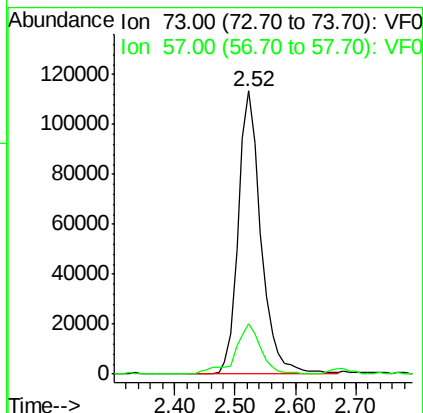
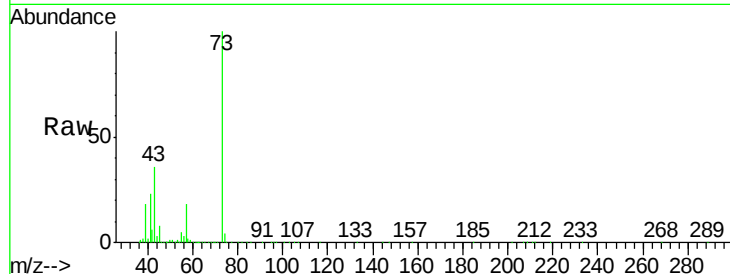


#19

Methyl tert-butyl Ether
 Concen: 53.685 ug/l
 RT: 2.52 min Scan# 202
 Delta R.T. -0.00 min
 Lab File: VF059449.D
 Acq: 6 Jul 2018 14:05

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

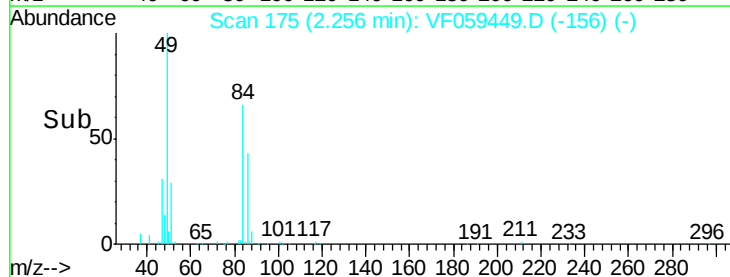
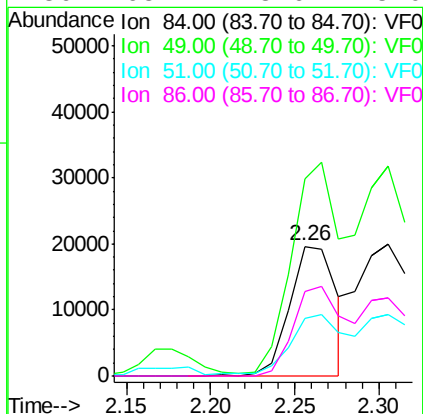
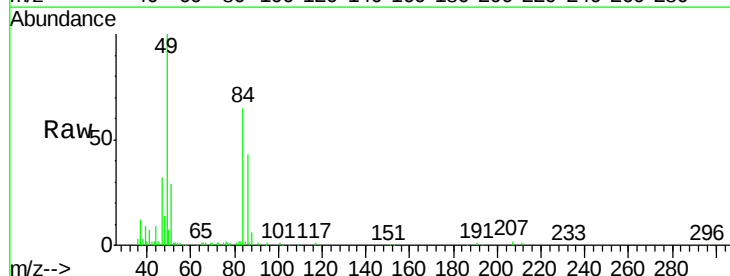
Tot Ion: 73 Resp: 295606
 Ion Ratio Lower Upper
 73 100
 57 17.8 12.3 18.5

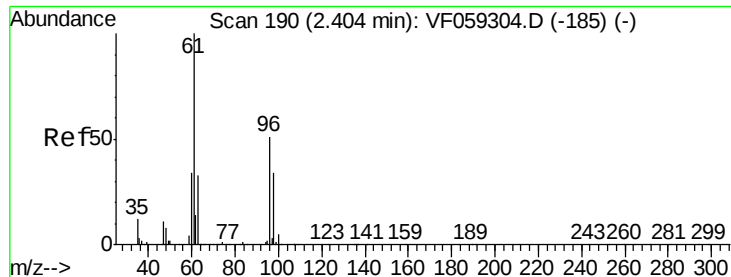


#20

Methylene Chloride
 Concen: 15.561 ug/l
 RT: 2.26 min Scan# 175
 Delta R.T. -0.01 min
 Lab File: VF059449.D
 Acq: 6 Jul 2018 14:05

Tgt Ion: 84 Resp: 37466
 Ion Ratio Lower Upper
 84 100
 49 152.7 126.5 189.7
 51 45.0 42.9 64.3
 86 65.7 48.6 73.0





#21

trans-1,2-Dichloroethene

Concen: 47.357 ug/l

RT: 2.39 min Scan# 189

Delta R.T. -0.01 min

Lab File: VF059449.D

Acq: 6 Jul 2018 14:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

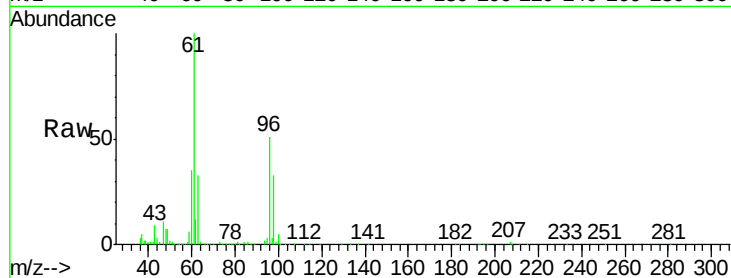
Tot Ion: 96 Resp: 74576

Ion Ratio Lower Upper

96 100

61 195.5 157.4 236.2

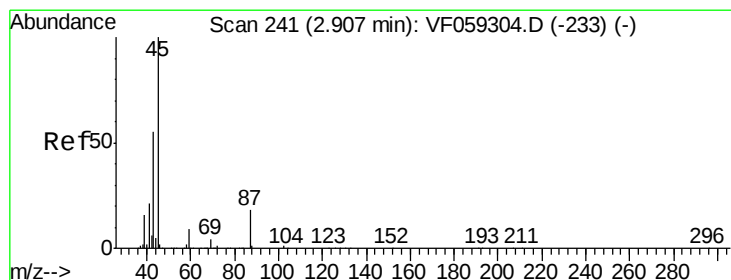
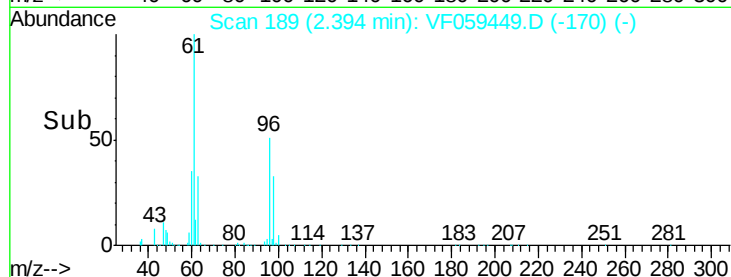
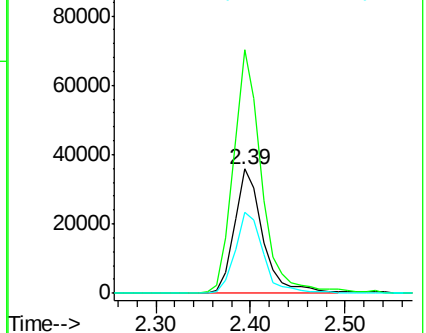
98 64.6 53.7 80.5



Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#22

Diisopropyl ether

Concen: 52.958 ug/l

RT: 2.91 min Scan# 241

Delta R.T. -0.00 min

Lab File: VF059449.D

Acq: 6 Jul 2018 14:05

Tgt Ion: 45 Resp: 324976

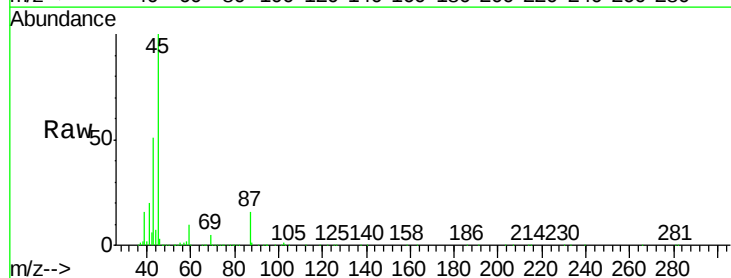
Ion Ratio Lower Upper

45 100

43 51.3 44.6 66.8

87 15.9 14.3 21.5

59 9.9 7.5 11.3

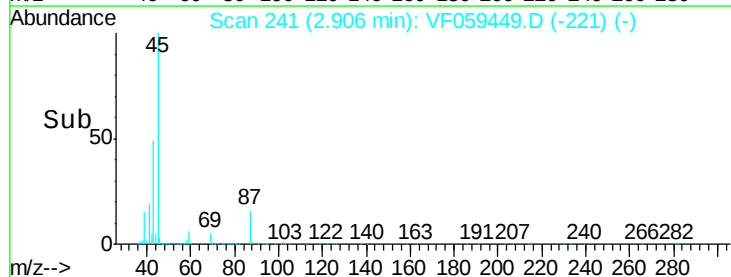
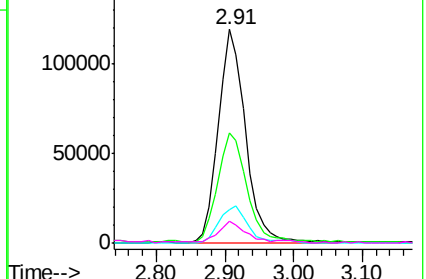


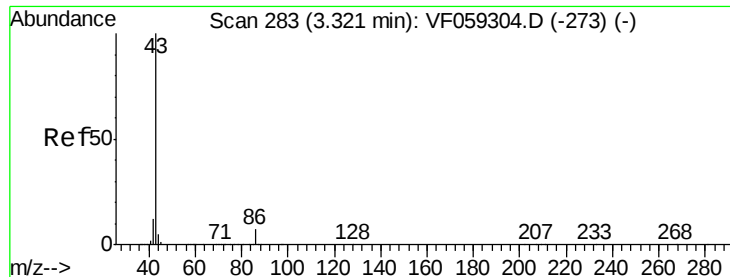
Abundance Ion 45.00 (44.70 to 45.70): VF0

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: 259.669 ug/l

RT: 3.31 min Scan# 282

Delta R.T. -0.01 min

Lab File: VF059449.D

Acq: 6 Jul 2018 14:05

Instrument :

MSVOA_F

ClientSampleId :

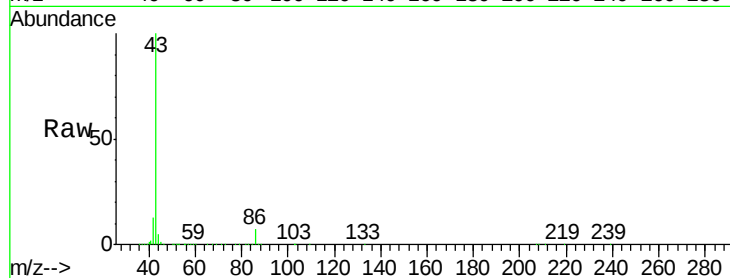
VSTDCCC050

Tot Ion: 43 Resp: 1014805

Ion Ratio Lower Upper

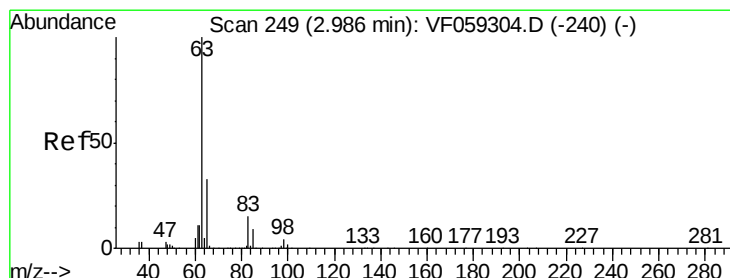
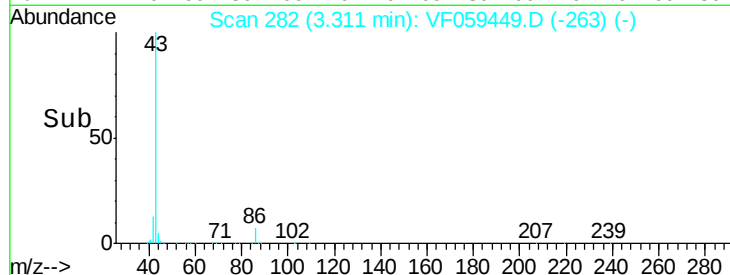
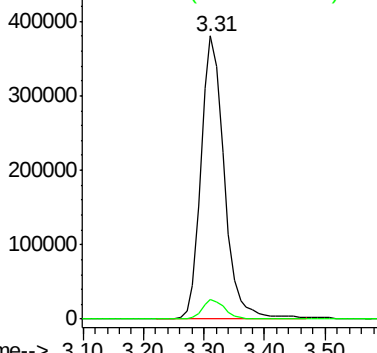
43 100

86 6.8 5.8 8.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 51.083 ug/l

RT: 2.99 min Scan# 249

Delta R.T. -0.00 min

Lab File: VF059449.D

Acq: 6 Jul 2018 14:05

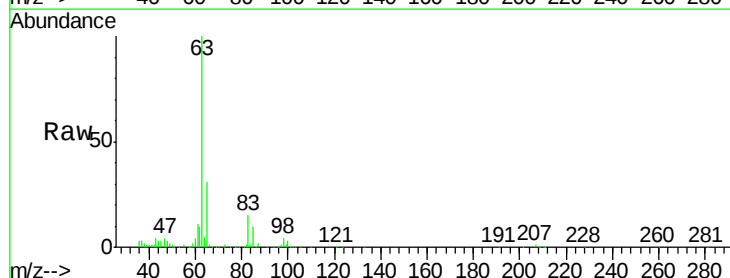
Tgt Ion: 63 Resp: 194354

Ion Ratio Lower Upper

63 100

98 4.0 2.0 6.0

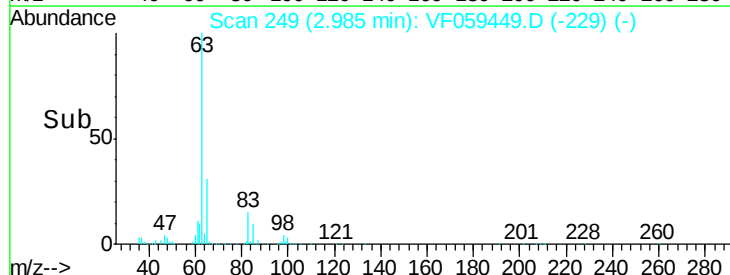
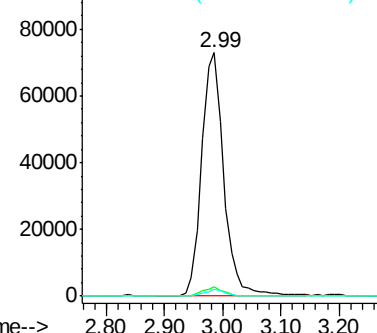
100 2.7 1.3 3.9

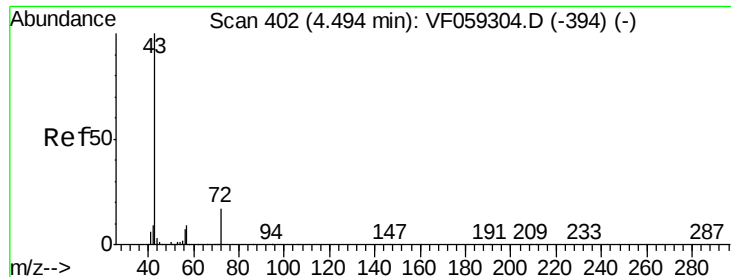


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 281.610 ug/l

RT: 4.48 min Scan# 401

Delta R.T. -0.01 min

Lab File: VF059449.D

Acq: 6 Jul 2018 14:05

Instrument :

MSVOA_F

ClientSampleId :

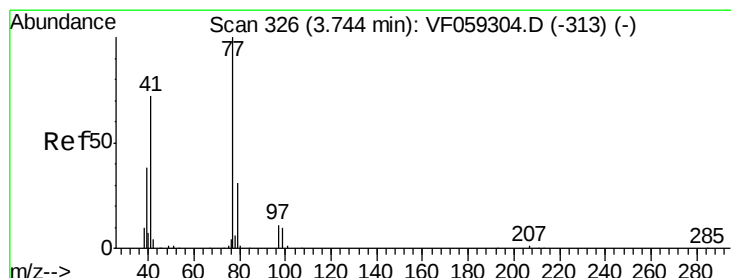
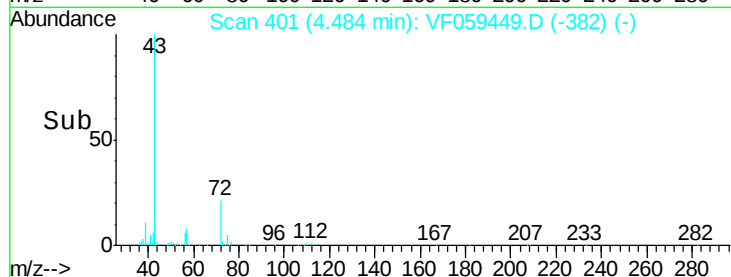
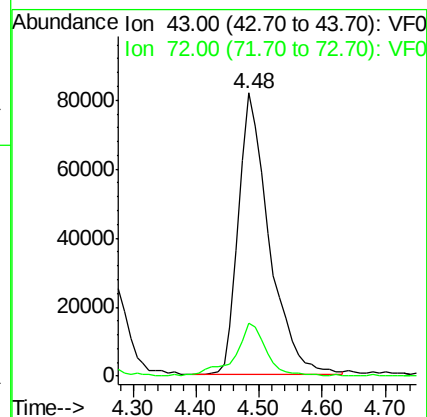
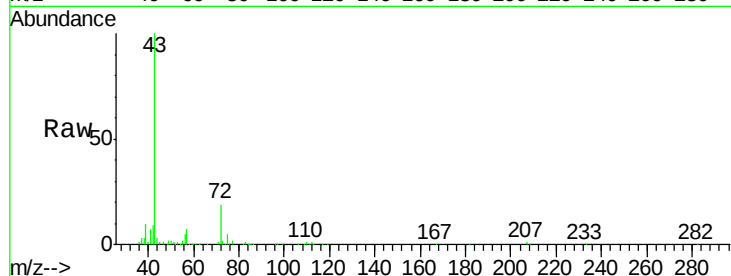
VSTDCCC050

Tot Ion: 43 Resp: 275255

Ion Ratio Lower Upper

43 100

72 18.8 14.4 21.6



#26

2,2-Dichloropropane

Concen: 56.187 ug/l

RT: 3.73 min Scan# 325

Delta R.T. -0.01 min

Lab File: VF059449.D

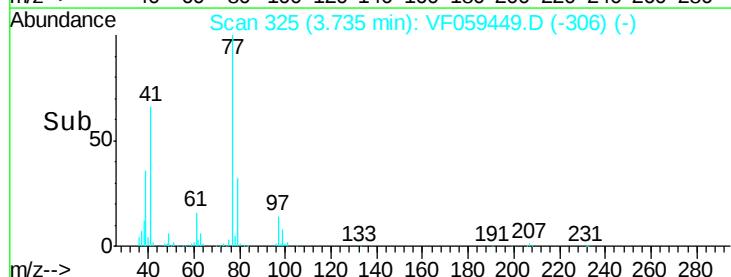
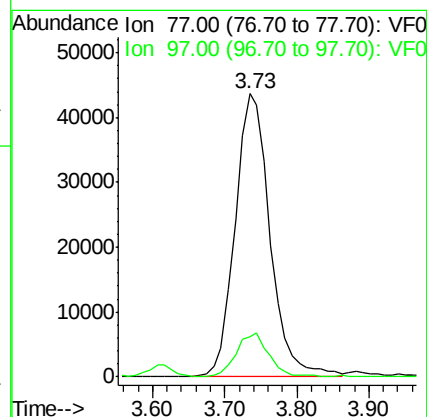
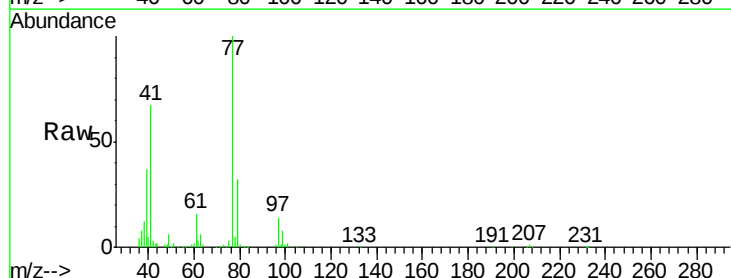
Acq: 6 Jul 2018 14:05

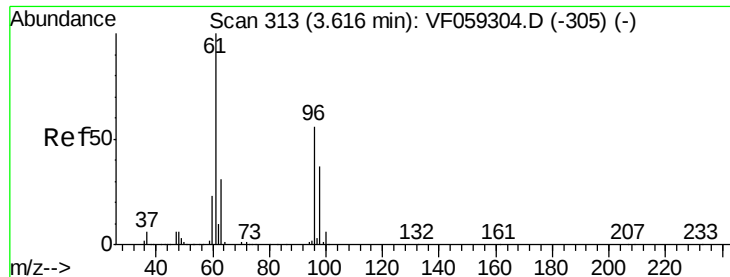
Tgt Ion: 77 Resp: 147446

Ion Ratio Lower Upper

77 100

97 14.3 8.0 23.8



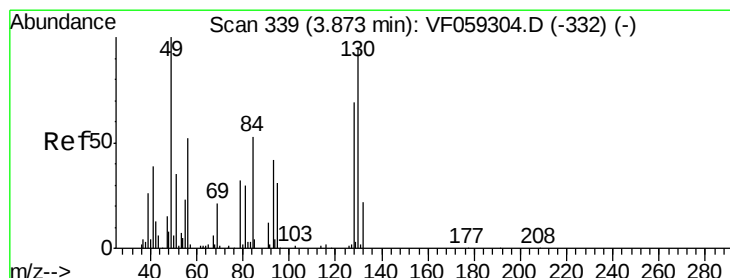
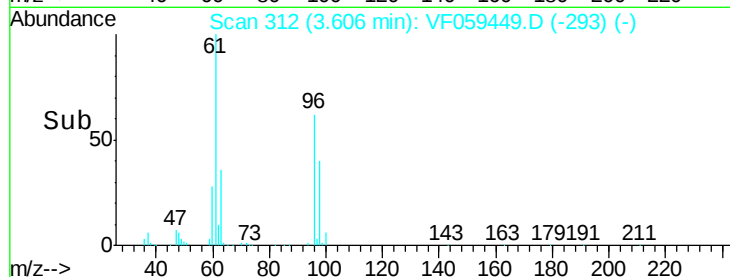
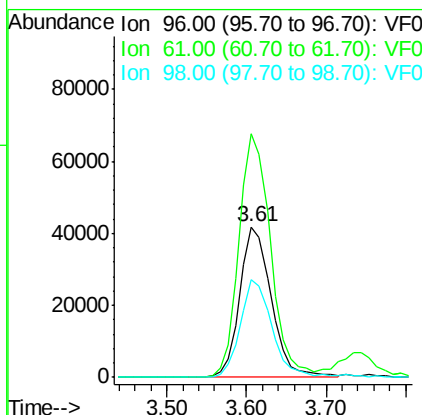
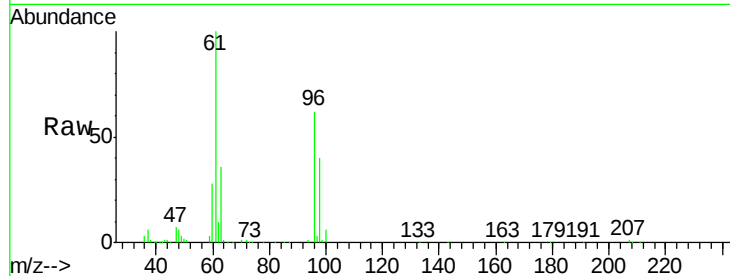


#27

cis-1,2-Dichloroethene
 Concen: 48.173 ug/l
 RT: 3.61 min Scan# 312
 Delta R.T. -0.01 min
 Lab File: VF059449.D
 Acq: 6 Jul 2018 14:05

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

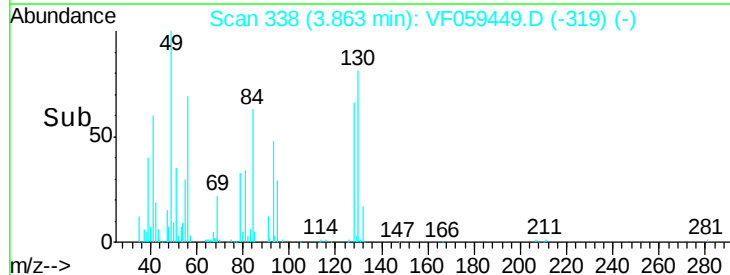
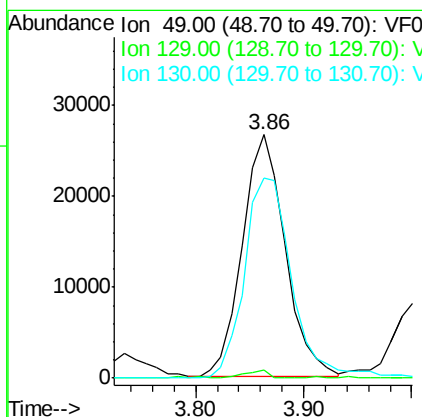
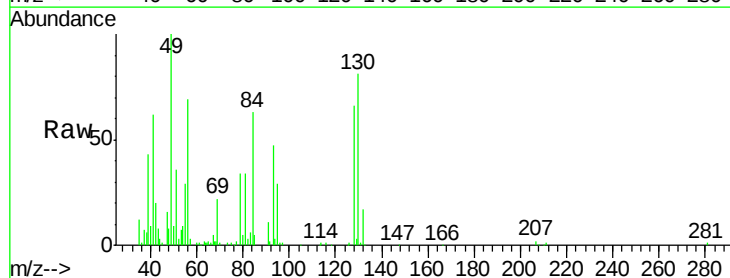
Tot Ion	96	Resp	115178
Ion	Ratio	Lower	Upper
96	100		
61	161.7	0.0	355.4
98	65.3	0.0	131.0

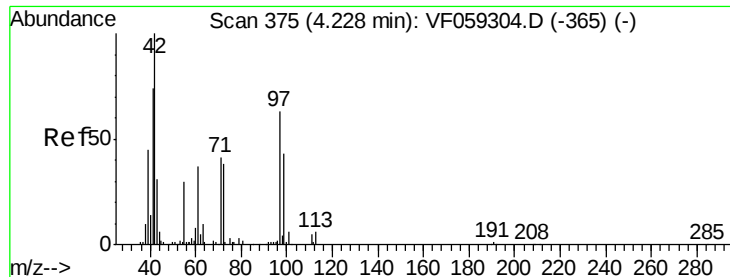


#28

Bromochloromethane
 Concen: 50.618 ug/l
 RT: 3.86 min Scan# 338
 Delta R.T. -0.01 min
 Lab File: VF059449.D
 Acq: 6 Jul 2018 14:05

Tgt Ion	49	Resp	73881
Ion	Ratio	Lower	Upper
49	100		
129	3.4	0.0	6.4
130	82.2	75.1	112.7

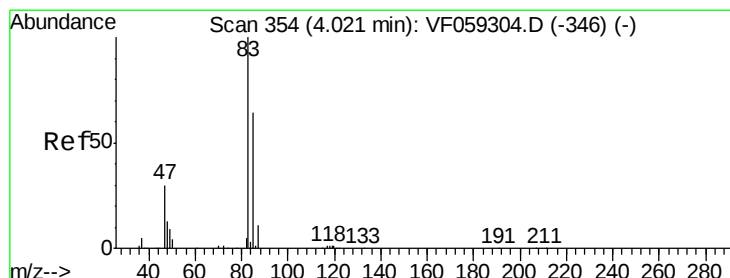
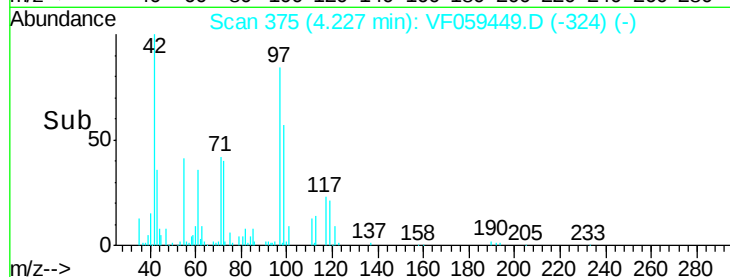
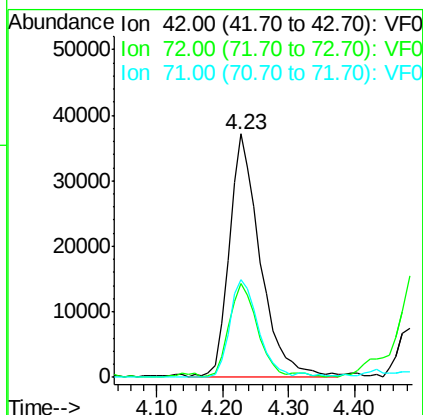
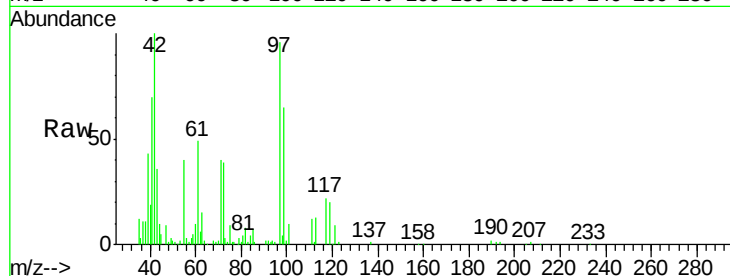




#29
Tetrahydrofuran
Concen: 292.016 ug/l
RT: 4.23 min Scan# 375
Delta R.T. 0.00 min
Lab File: VF059449.D
Acq: 6 Jul 2018 14:05

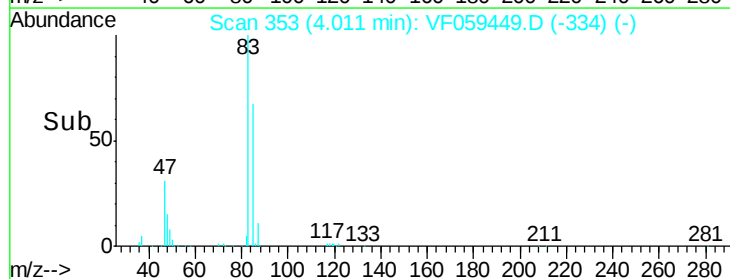
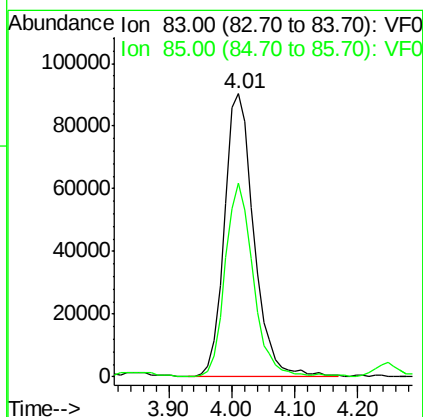
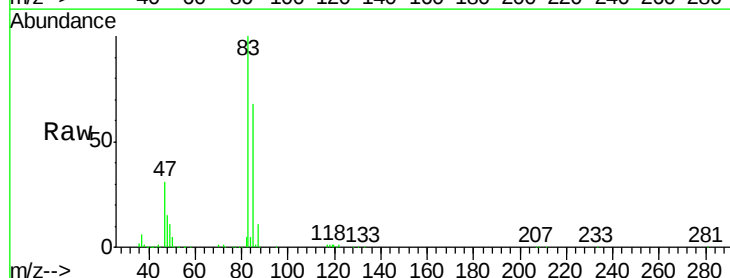
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

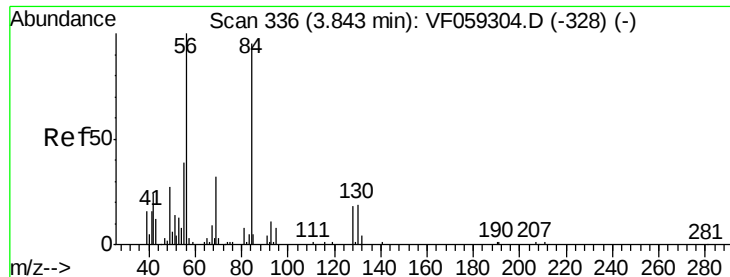
Tot Ion	Ratio	Lower	Upper
42	100		
72	36.2	30.5	45.7
71	38.6	32.5	48.7



#30
Chloroform
Concen: 53.046 ug/l
RT: 4.01 min Scan# 353
Delta R.T. -0.01 min
Lab File: VF059449.D
Acq: 6 Jul 2018 14:05

Tgt Ion	Ratio	Lower	Upper
83	100		
85	68.3	51.3	76.9

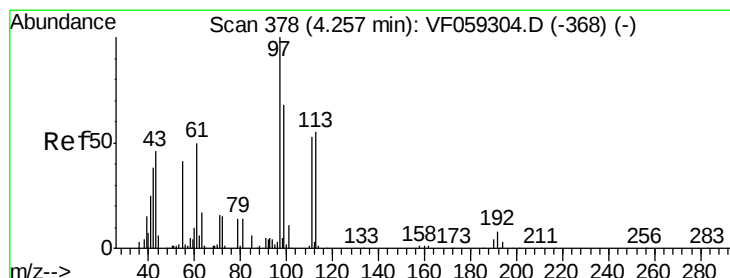
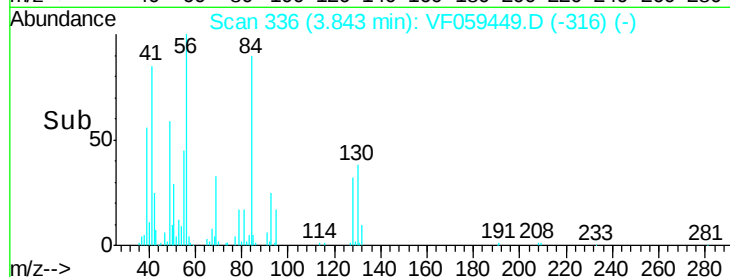
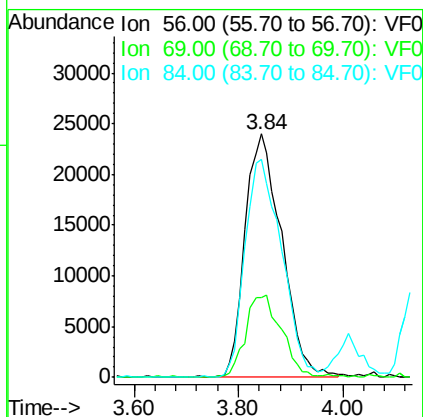
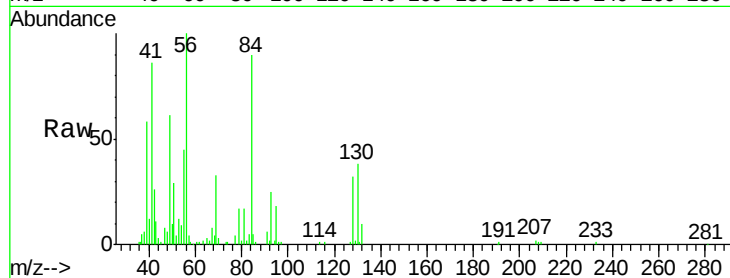




#31
Cyclohexane
Concen: 46.076 ug/l
RT: 3.84 min Scan# 336
Delta R.T. -0.00 min
Lab File: VF059449.D
Acq: 6 Jul 2018 14:05

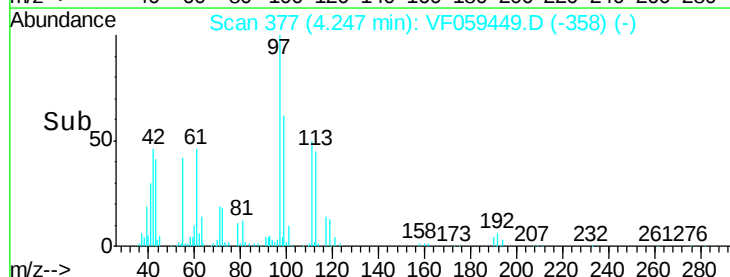
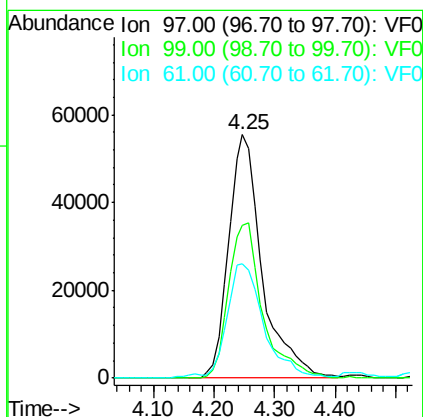
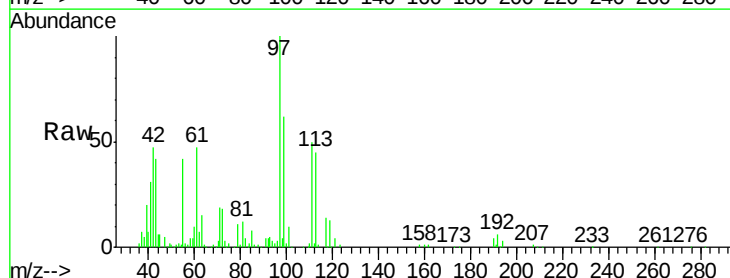
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

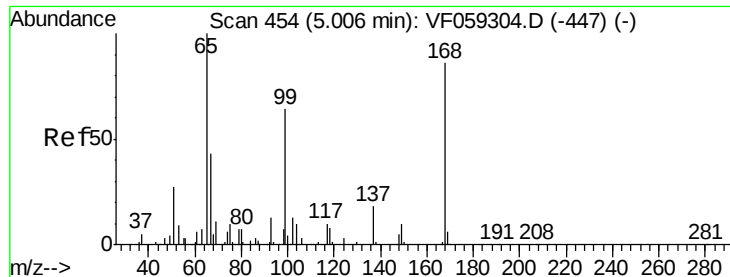
Tot Ion: 56 Resp: 114840
Ion Ratio Lower Upper
56 100
69 32.7 25.8 38.8
84 89.7 75.6 113.4



#32
1,1,1-Trichloroethane
Concen: 52.979 ug/l
RT: 4.25 min Scan# 377
Delta R.T. -0.01 min
Lab File: VF059449.D
Acq: 6 Jul 2018 14:05

Tgt Ion: 97 Resp: 213538
Ion Ratio Lower Upper
97 100
99 62.5 54.1 81.1
61 46.7 41.2 61.8

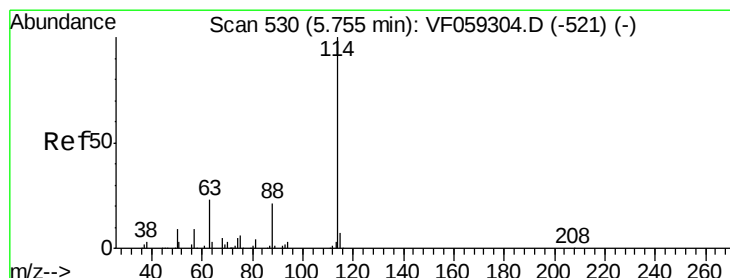
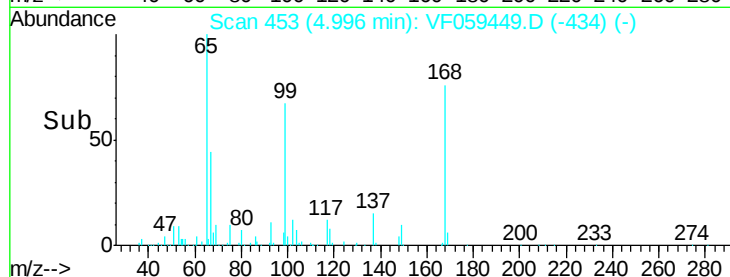
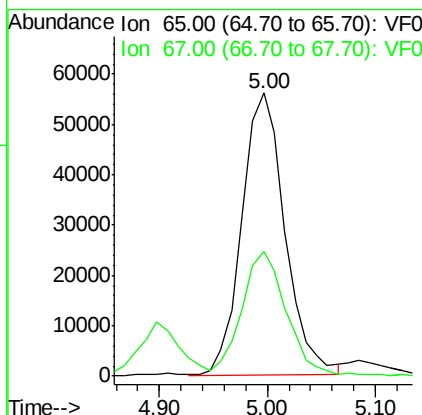
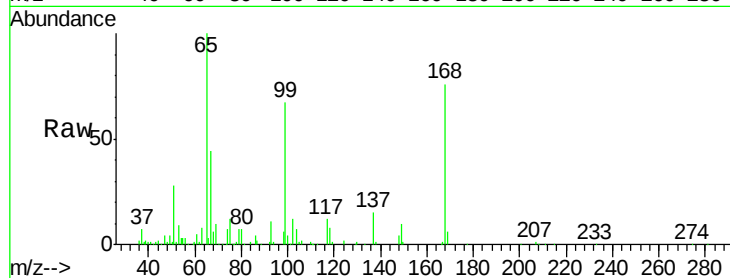




#33
 1,2-Dichloroethane-d4
 Concen: 48.139 ug/l
 RT: 5.00 min Scan# 453
 Delta R.T. -0.01 min
 Lab File: VF059449.D
 Acq: 6 Jul 2018 14:05

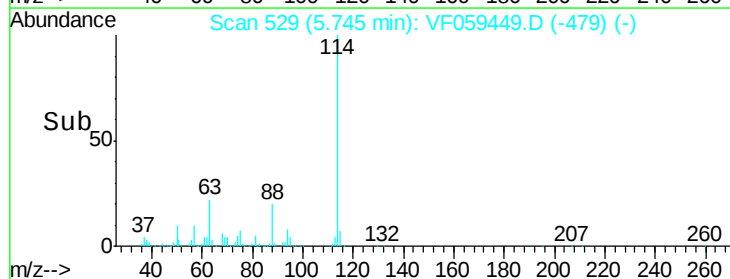
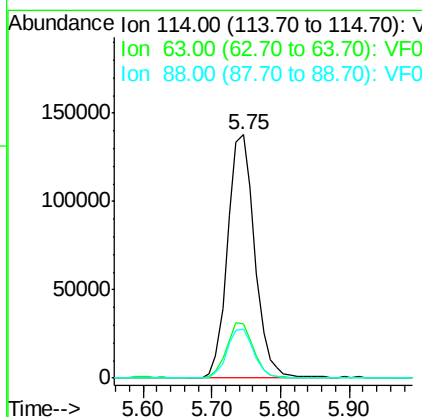
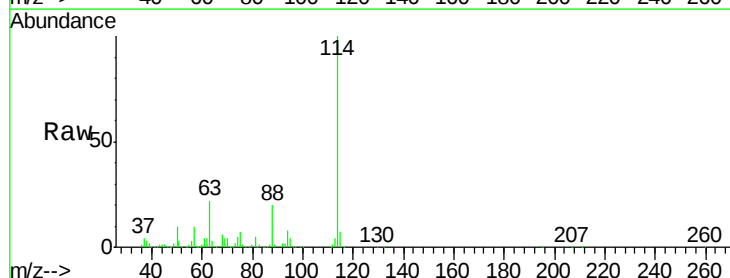
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

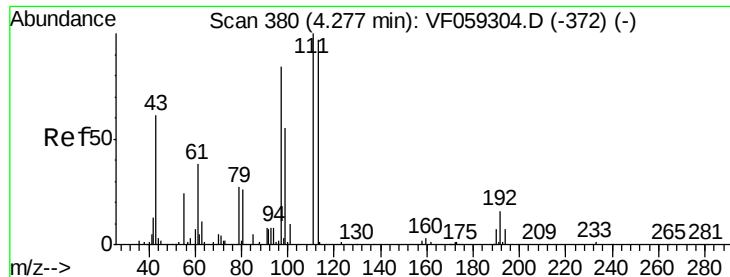
Tot Ion: 65 Resp: 155732
 Ion Ratio Lower Upper
 65 100
 67 44.0 0.0 96.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.75 min Scan# 529
 Delta R.T. -0.01 min
 Lab File: VF059449.D
 Acq: 6 Jul 2018 14:05

Tgt Ion: 114 Resp: 377179
 Ion Ratio Lower Upper
 114 100
 63 22.4 0.0 45.8
 88 19.9 0.0 41.2

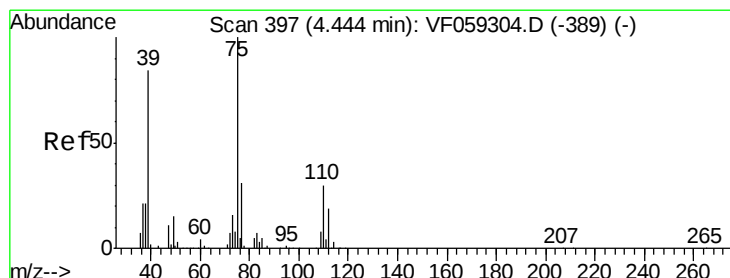
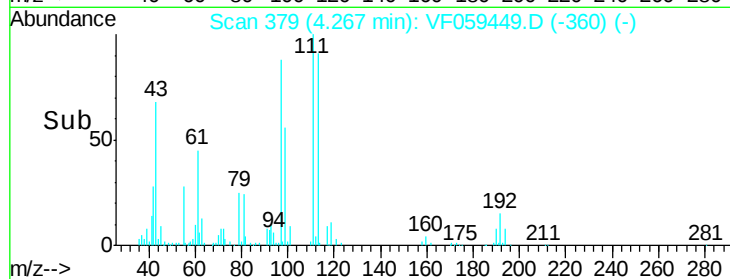
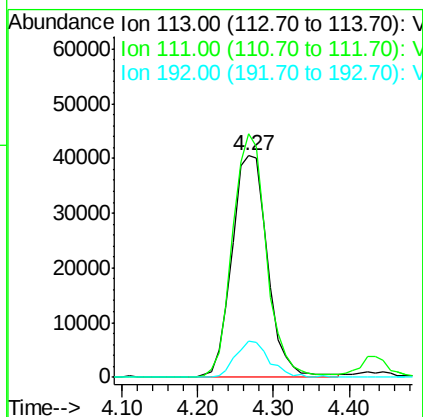
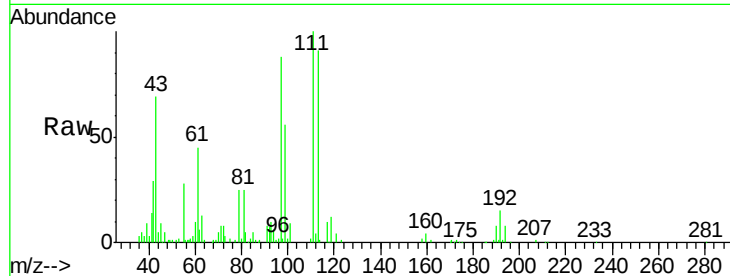




#35
 Dibromofluoromethane
 Concen: 48.032 ug/l
 RT: 4.27 min Scan# 379
 Delta R.T. -0.01 min
 Lab File: VF059449.D
 Acq: 6 Jul 2018 14:05

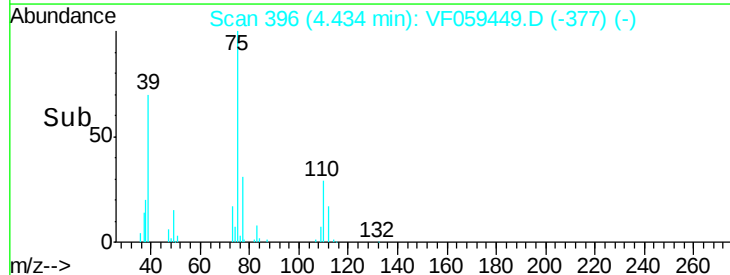
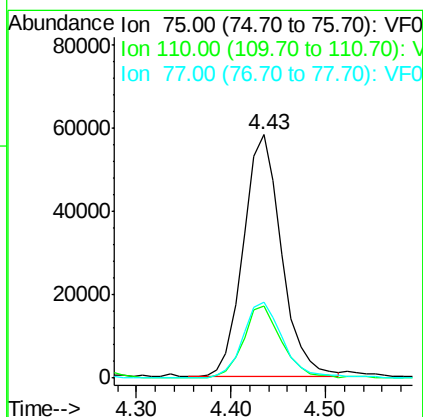
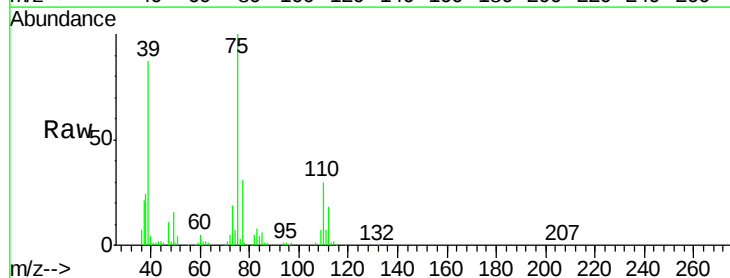
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

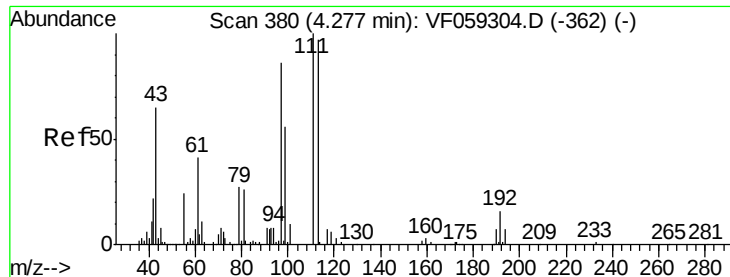
Tot Ion:113 Resp: 132373
 Ion Ratio Lower Upper
 113 100
 111 109.9 82.1 123.1
 192 16.6 13.0 19.6



#36
 1,1-Dichloropropene
 Concen: 49.005 ug/l
 RT: 4.43 min Scan# 396
 Delta R.T. -0.01 min
 Lab File: VF059449.D
 Acq: 6 Jul 2018 14:05

Tgt Ion: 75 Resp: 161470
 Ion Ratio Lower Upper
 75 100
 110 29.6 14.8 44.4
 77 31.0 25.2 37.8

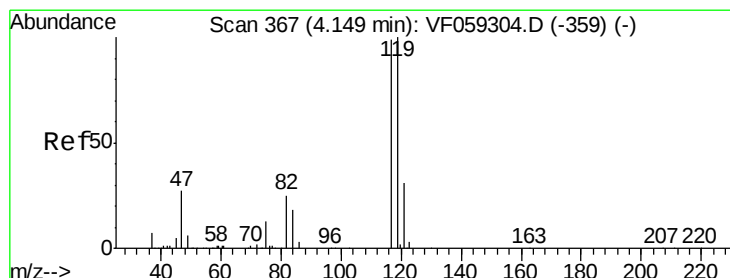
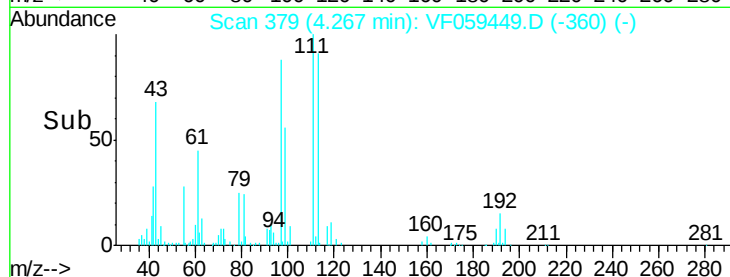
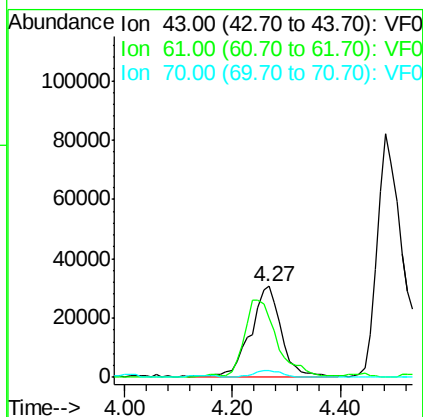
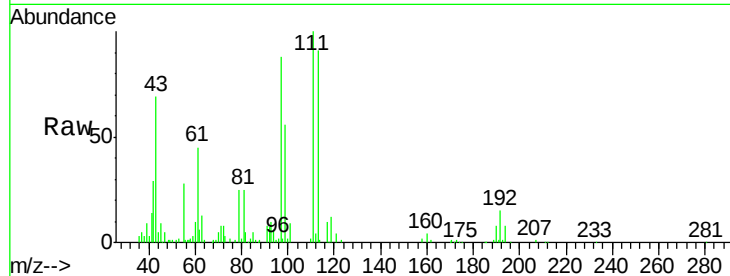




#37
Ethyl Acetate
Concen: 55.989 ug/l
RT: 4.27 min Scan# 379
Delta R.T. -0.01 min
Lab File: VF059449.D
Acq: 6 Jul 2018 14:05

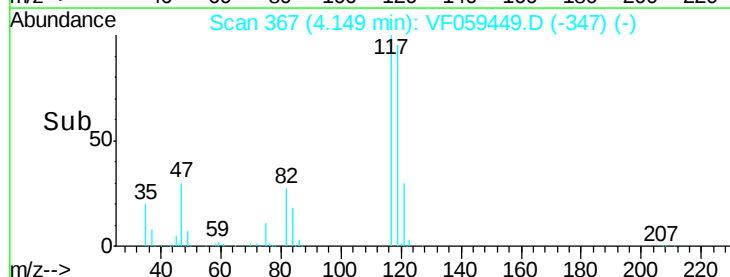
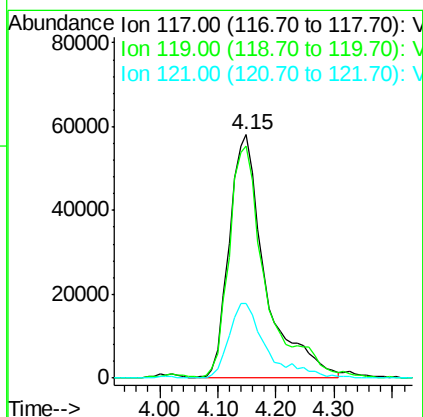
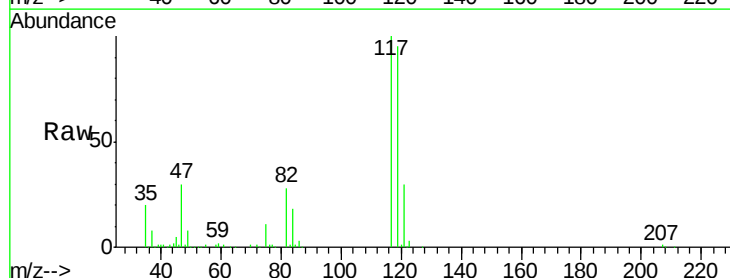
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

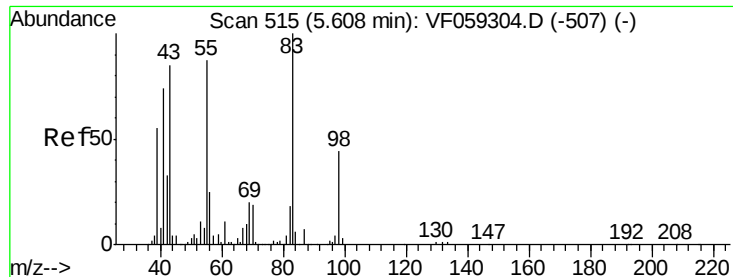
Tot Ion: 43 Resp: 117639
Ion Ratio Lower Upper
43 100
61 65.9 50.1 75.1
70 7.6 6.2 9.4



#38
Carbon Tetrachloride
Concen: 60.741 ug/l
RT: 4.15 min Scan# 367
Delta R.T. -0.00 min
Lab File: VF059449.D
Acq: 6 Jul 2018 14:05

Tgt Ion: 117 Resp: 252574
Ion Ratio Lower Upper
117 100
119 95.3 81.0 121.4
121 30.6 24.7 37.1

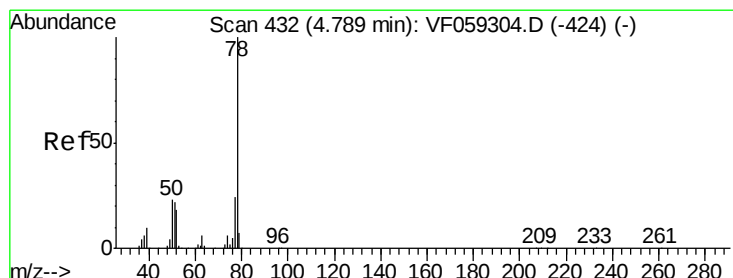
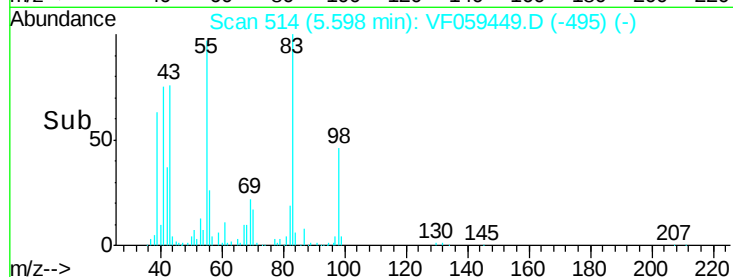
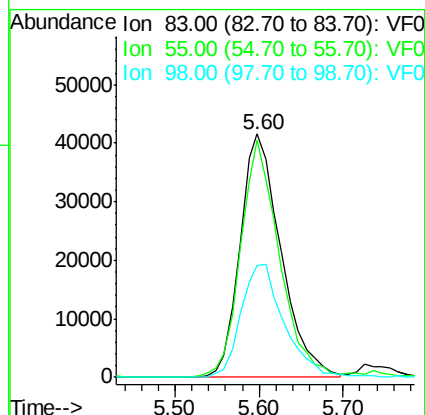
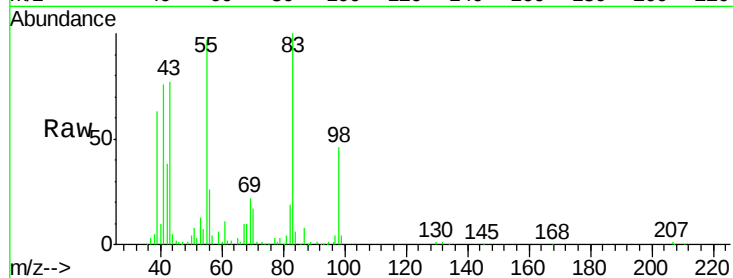




#39
Methvlcvclohexane
Concen: 48.395 ug/l
RT: 5.60 min Scan# 514
Delta R.T. -0.01 min
Lab File: VF059449.D
Acq: 6 Jul 2018 14:05

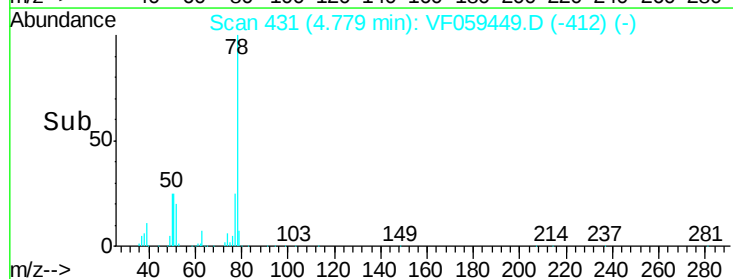
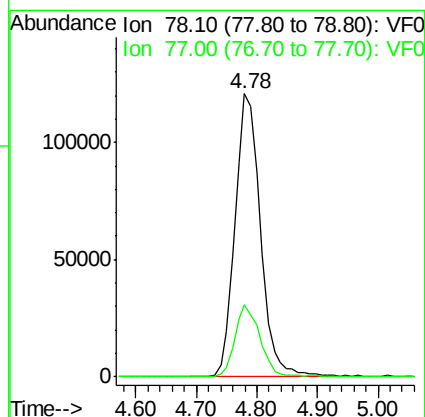
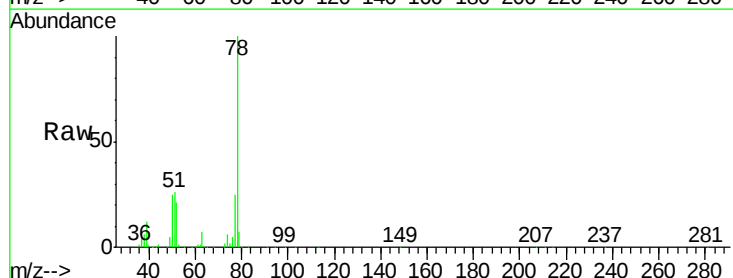
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 141304
Ion Ratio Lower Upper
83 100
55 97.4 69.2 103.8
98 45.7 35.0 52.6



#40
Benzene
Concen: 48.517 ug/l
RT: 4.78 min Scan# 431
Delta R.T. -0.01 min
Lab File: VF059449.D
Acq: 6 Jul 2018 14:05

Tgt Ion: 78 Resp: 354446
Ion Ratio Lower Upper
78 100
77 25.5 19.6 29.4

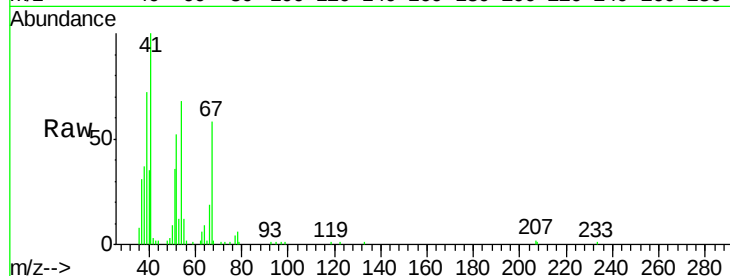




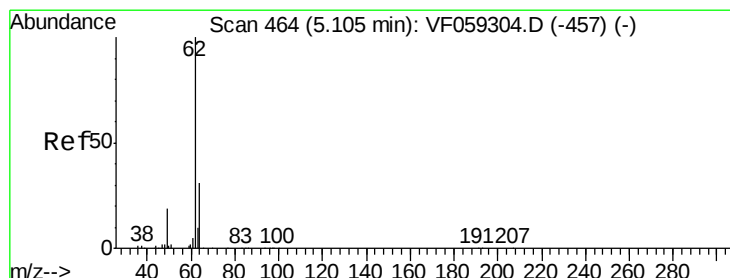
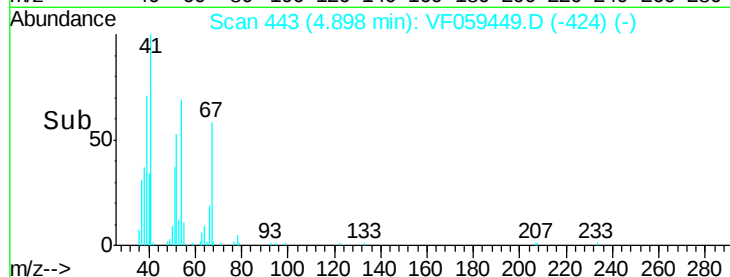
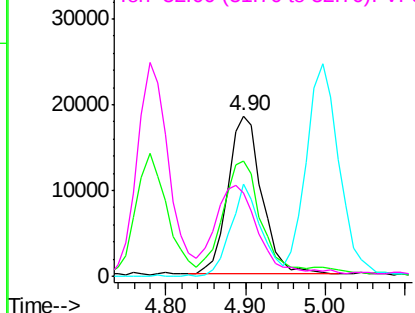
#41
Methacrylonitrile
Concen: 48.433 ug/l
RT: 4.90 min Scan# 443
Delta R.T. -0.01 min
Lab File: VF059449.D
Acq: 6 Jul 2018 14:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 41 Resp: 54437
Ion Ratio Lower Upper
41 100
39 71.8 50.0 75.0
67 57.6 37.0 55.6#
52 51.9 37.1 55.7

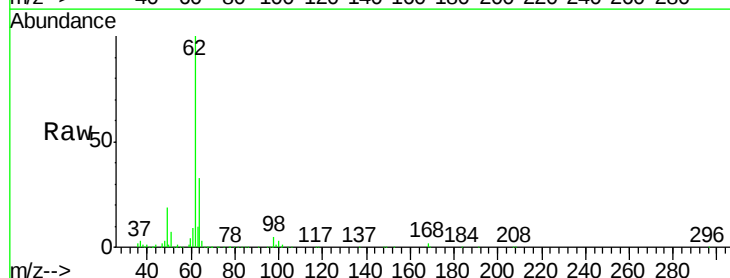


Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 39.00 (38.70 to 39.70): VF0
Ion 67.00 (66.70 to 67.70): VF0
Ion 52.00 (51.70 to 52.70): VF0

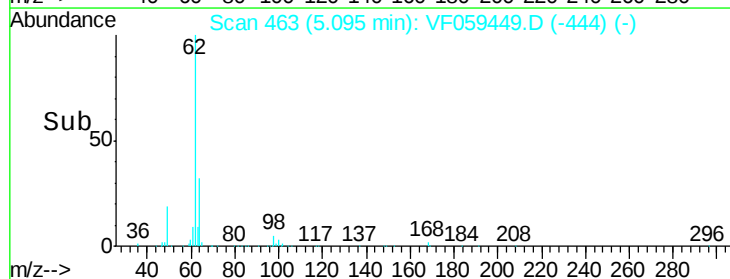
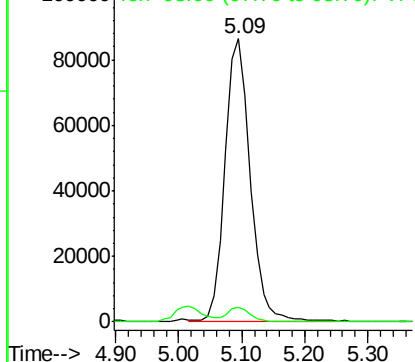


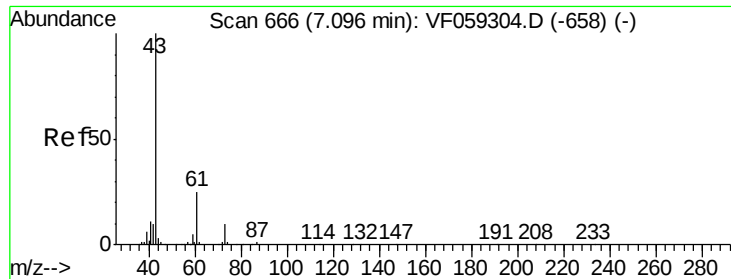
#42
1,2-Dichloroethane
Concen: 55.806 ug/l
RT: 5.09 min Scan# 463
Delta R.T. -0.01 min
Lab File: VF059449.D
Acq: 6 Jul 2018 14:05

Tgt Ion: 62 Resp: 238231
Ion Ratio Lower Upper
62 100
98 5.0 0.0 11.4



Abundance Ion 62.00 (61.70 to 62.70): VF0
Ion 98.00 (97.70 to 98.70): VF0



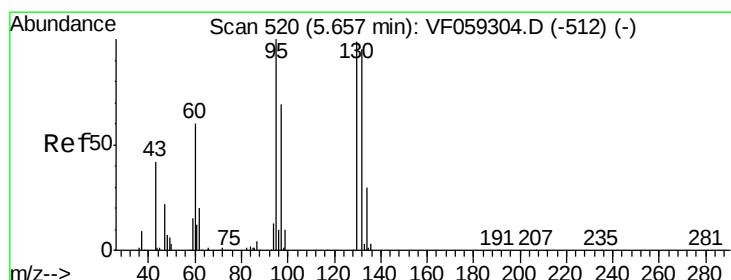
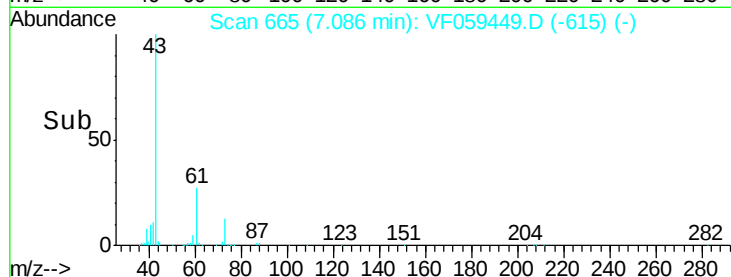
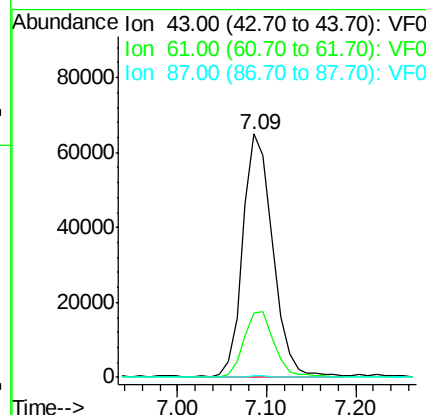
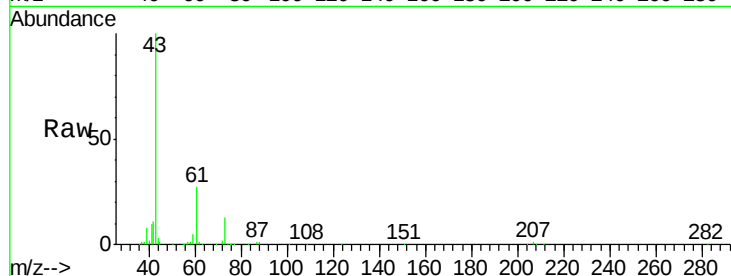


#43

Isopropyl Acetate
 Concen: 55.071 ug/l
 RT: 7.09 min Scan# 665
 Delta R.T. -0.01 min
 Lab File: VF059449.D
 Acq: 6 Jul 2018 14:05

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

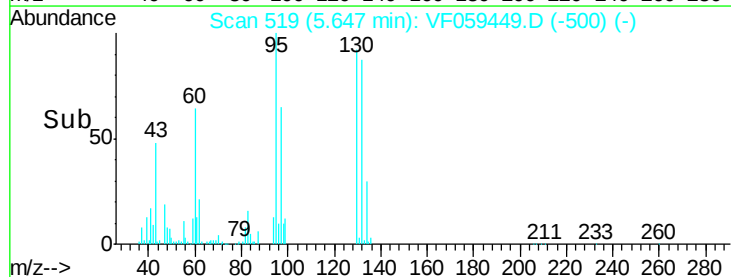
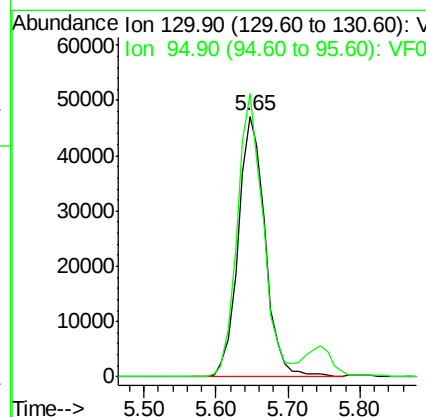
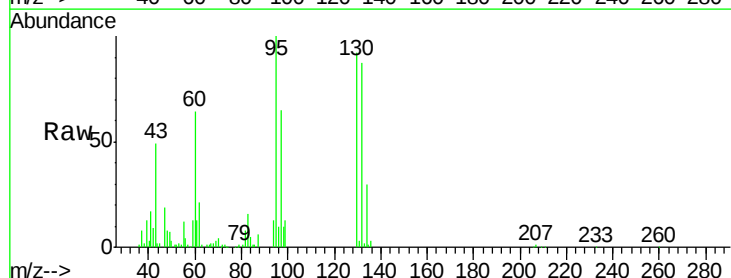
Tot Ion: 43 Resp: 151144
 Ion Ratio Lower Upper
 43 100
 61 26.6 19.7 29.5
 87 0.5 0.5 0.7

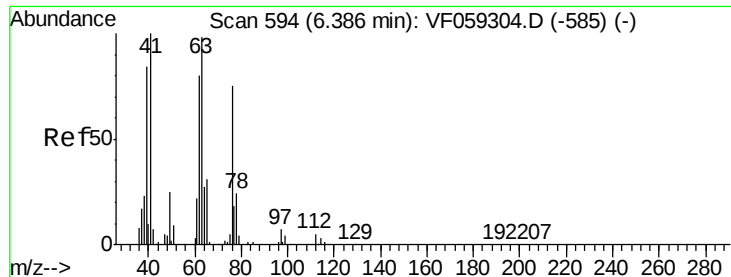


#44

Trichloroethene
 Concen: 49.006 ug/l
 RT: 5.65 min Scan# 519
 Delta R.T. -0.01 min
 Lab File: VF059449.D
 Acq: 6 Jul 2018 14:05

Tgt Ion: 130 Resp: 122815
 Ion Ratio Lower Upper
 130 100
 95 108.6 0.0 202.4





#45

1,2-Dichloropropane

Concen: 52.419 ug/l

RT: 6.38 min Scan# 593

Delta R.T. -0.01 min

Lab File: VF059449.D

Acq: 6 Jul 2018 14:05

Instrument :

MSVOA_F

ClientSampleId :

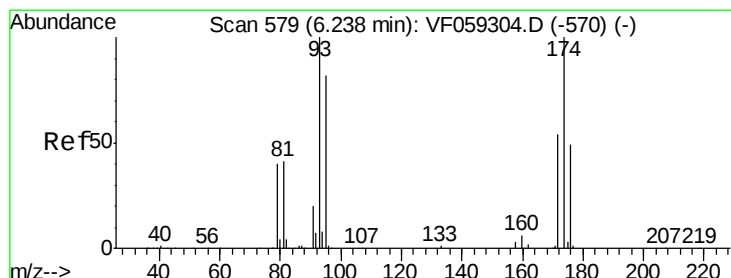
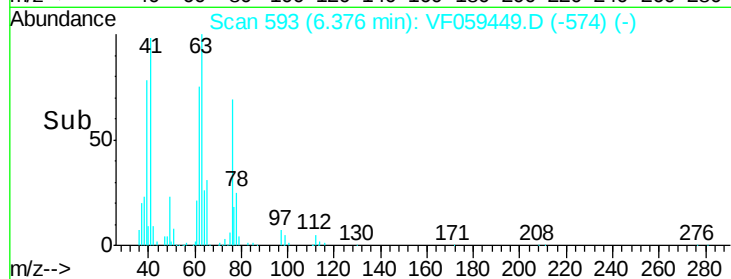
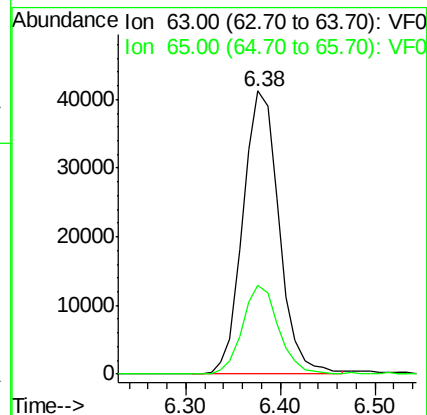
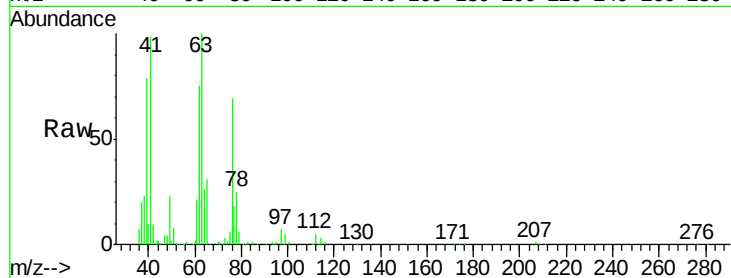
VSTDCCC050

Tot Ion: 63 Resp: 109413

Ion Ratio Lower Upper

63 100

65 31.3 25.3 37.9



#46

Dibromomethane

Concen: 55.885 ug/l

RT: 6.23 min Scan# 578

Delta R.T. -0.01 min

Lab File: VF059449.D

Acq: 6 Jul 2018 14:05

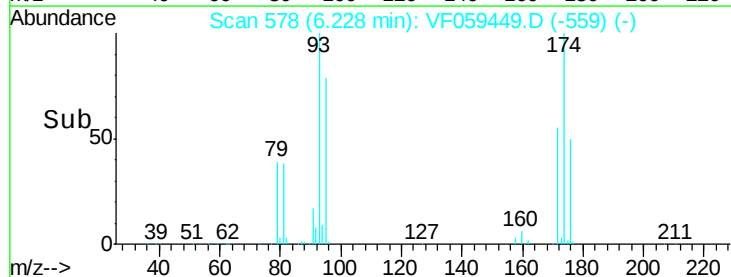
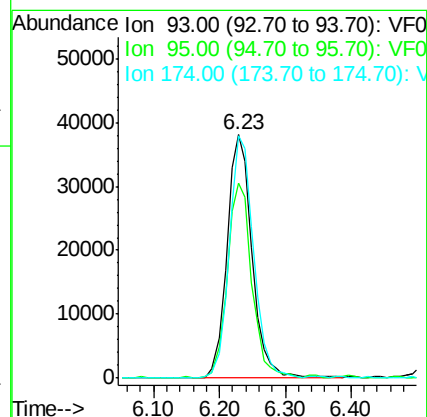
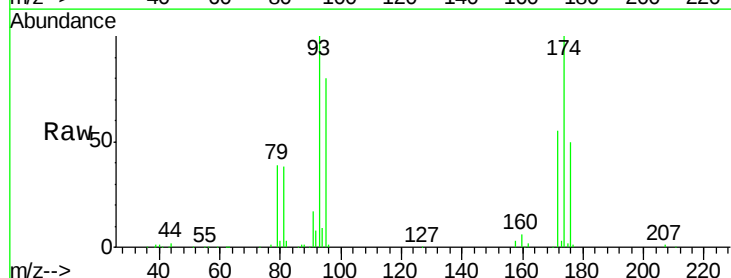
Tgt Ion: 93 Resp: 101244

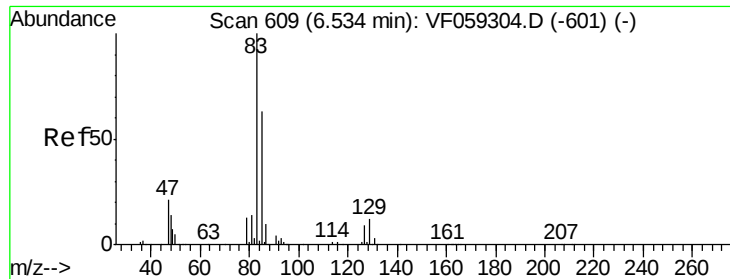
Ion Ratio Lower Upper

93 100

95 80.1 65.6 98.4

174 99.6 80.0 120.0





#47

Bromodichloromethane

Concen: 55.791 ug/l

RT: 6.52 min Scan# 608

Delta R.T. -0.01 min

Lab File: VF059449.D

Acq: 6 Jul 2018 14:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

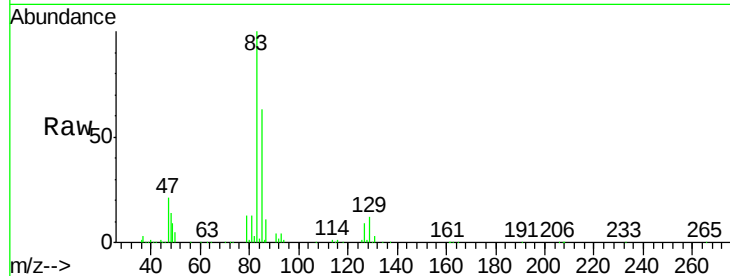
Tot Ion: 83 Resp: 244667

Ion	Ratio	Lower	Upper
83	100		
85	63.0	50.2	75.2
127	9.0	7.0	10.4

83 100

85 63.0 50.2 75.2

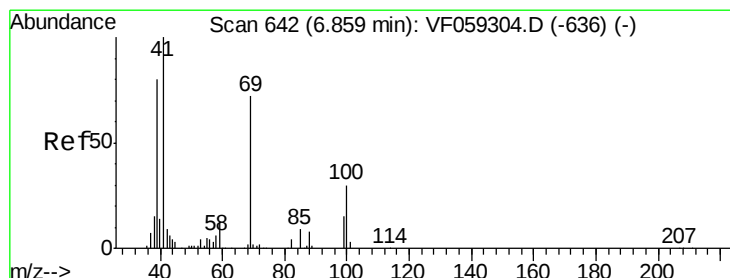
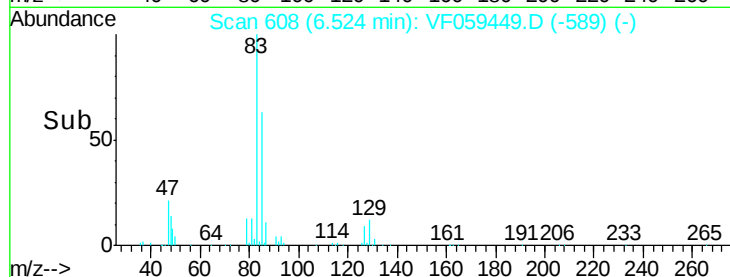
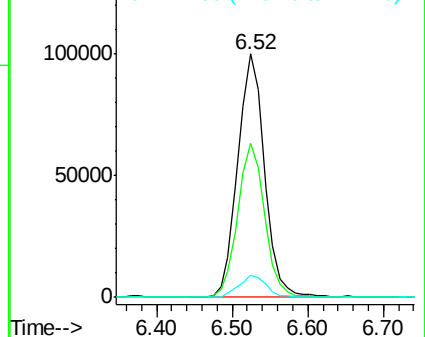
127 9.0 7.0 10.4



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: 53.288 ug/l

RT: 6.85 min Scan# 641

Delta R.T. -0.01 min

Lab File: VF059449.D

Acq: 6 Jul 2018 14:05

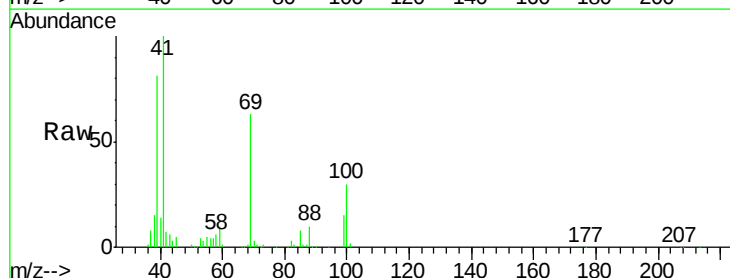
Tgt Ion: 41 Resp: 98020

Ion	Ratio	Lower	Upper
41	100		
69	63.3	57.3	85.9
39	81.1	64.4	96.6

41 100

69 63.3 57.3 85.9

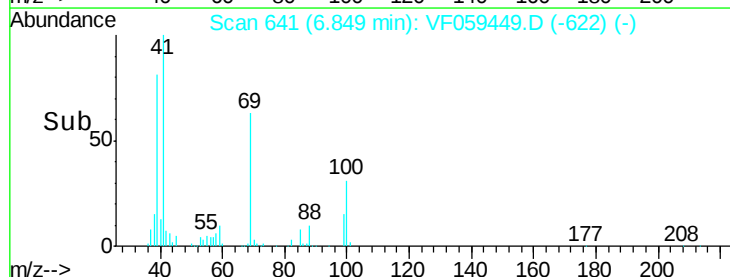
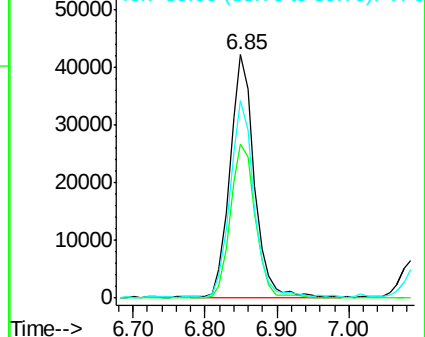
39 81.1 64.4 96.6

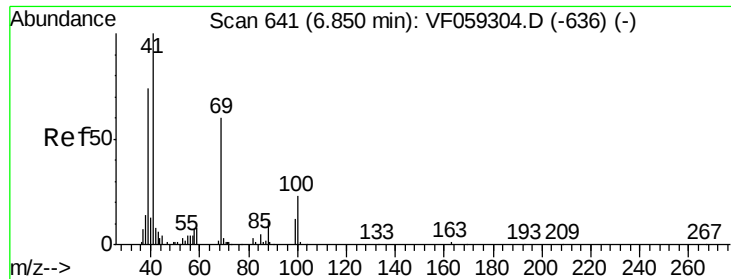


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

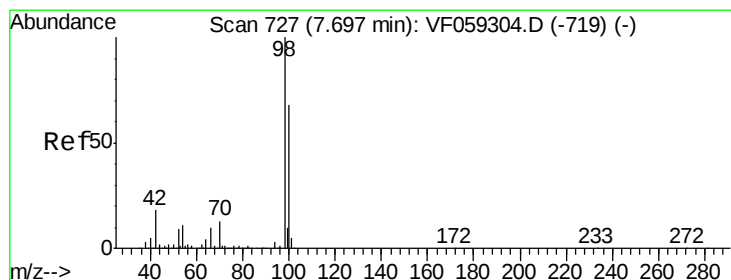
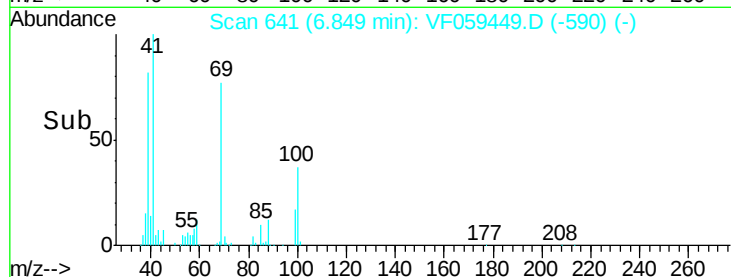
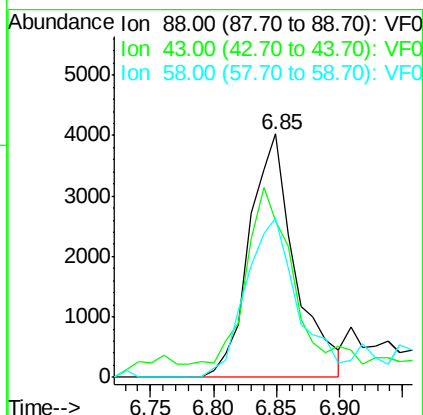
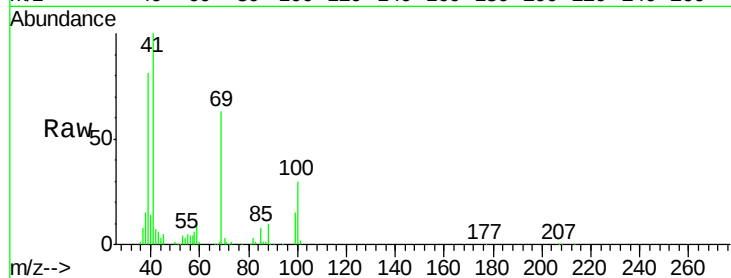




#49
1,4-Dioxane
Concen: 1036.976 ug/l
RT: 6.85 min Scan# 641
Delta R.T. 0.00 min
Lab File: VF059449.D
Acq: 6 Jul 2018 14:05

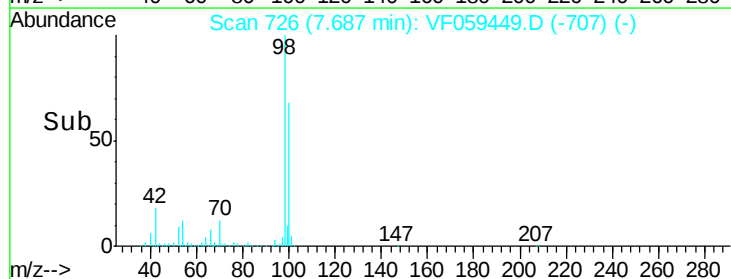
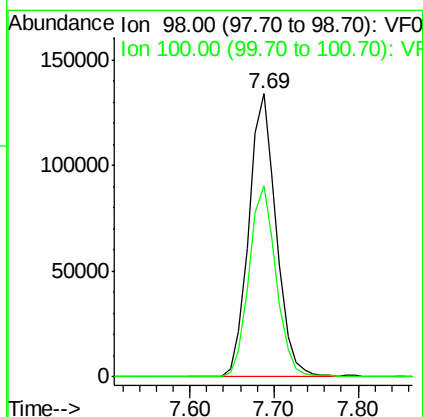
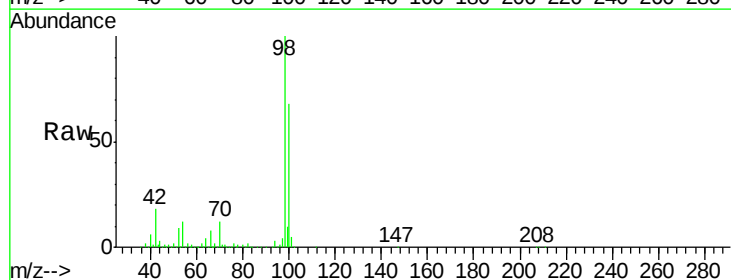
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

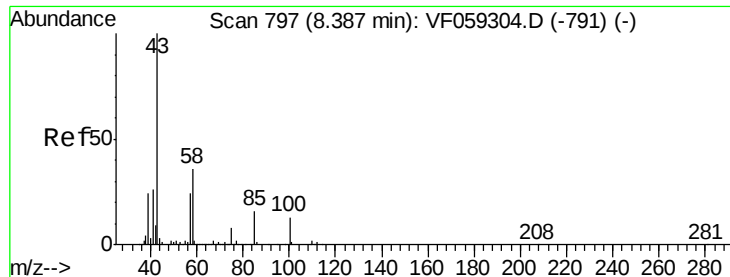
Tot Ion: 88 Resp: 10162
Ion Ratio Lower Upper
88 100
43 64.2 50.6 75.8
58 65.1 46.6 69.8



#50
Toluene-d8
Concen: 44.835 ug/l
RT: 7.69 min Scan# 726
Delta R.T. -0.01 min
Lab File: VF059449.D
Acq: 6 Jul 2018 14:05

Tgt Ion: 98 Resp: 305926
Ion Ratio Lower Upper
98 100
100 67.5 54.6 82.0





#51

4-Methyl-2-Pentanone

Concen: 271.718 ug/l

RT: 8.39 min Scan# 797

Delta R.T. -0.00 min

Lab File: VF059449.D

Acq: 6 Jul 2018 14:05

Instrument :

MSVOA_F

ClientSampleId :

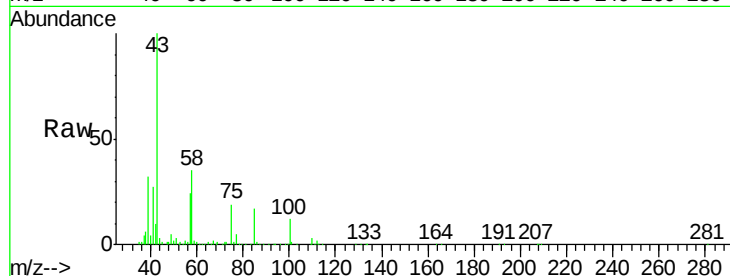
VSTDCCC050

Tot Ion: 43 Resp: 552484

Ion Ratio Lower Upper

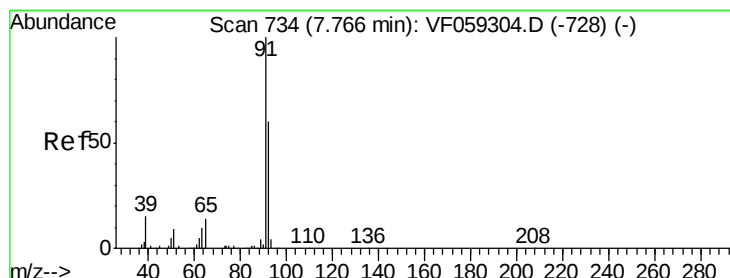
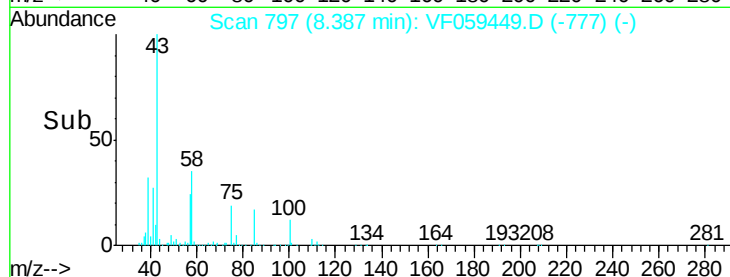
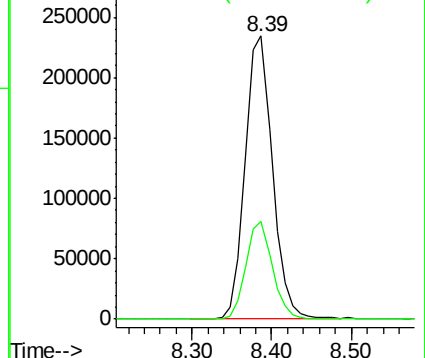
43 100

58 34.6 28.4 42.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 49.910 ug/l

RT: 7.76 min Scan# 733

Delta R.T. -0.01 min

Lab File: VF059449.D

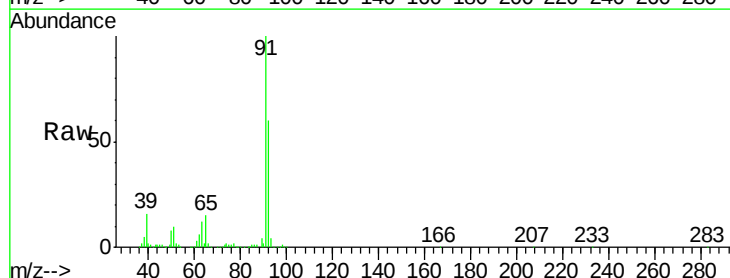
Acq: 6 Jul 2018 14:05

Tgt Ion: 92 Resp: 272841

Ion Ratio Lower Upper

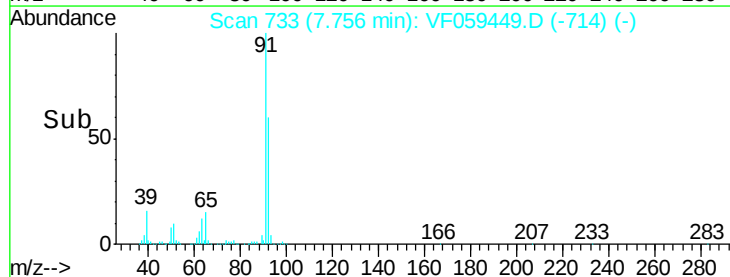
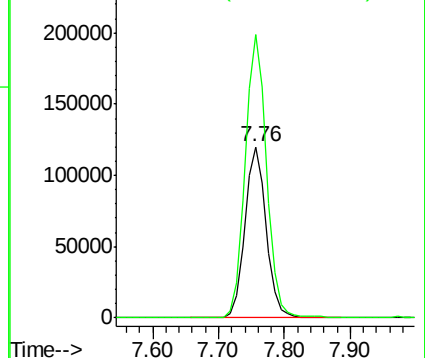
92 100

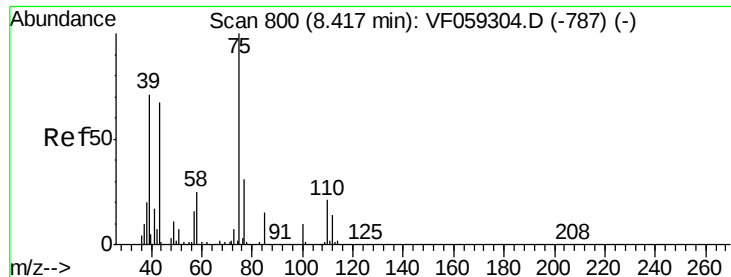
91 165.4 132.8 199.2



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: 51.537 ug/l

RT: 8.41 min Scan# 799

Delta R.T. -0.01 min

Lab File: VF059449.D

Acq: 6 Jul 2018 14:05

Instrument :

MSVOA_F

ClientSampleId :

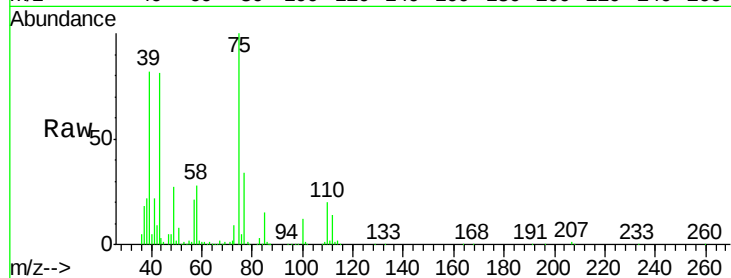
VSTDCCC050

Tot Ion: 75 Resp: 206014

Ion Ratio Lower Upper

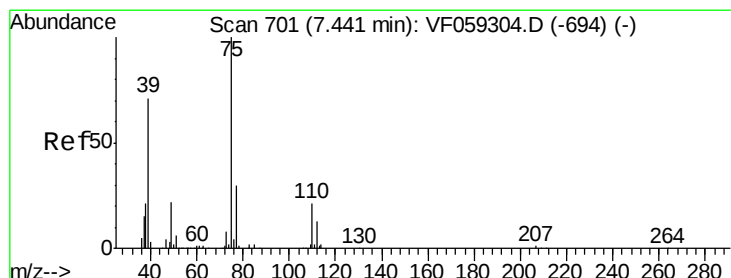
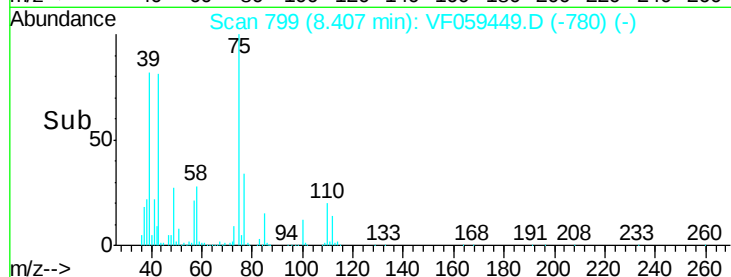
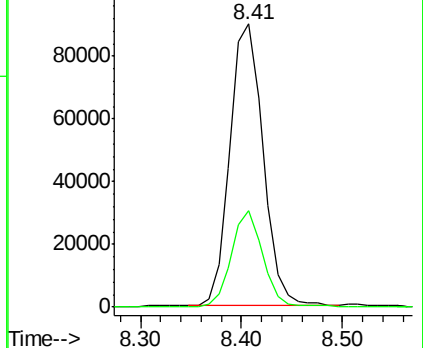
75 100

77 33.9 25.3 37.9



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



#54

cis-1,3-Dichloropropene

Concen: 54.120 ug/l

RT: 7.43 min Scan# 700

Delta R.T. -0.01 min

Lab File: VF059449.D

Acq: 6 Jul 2018 14:05

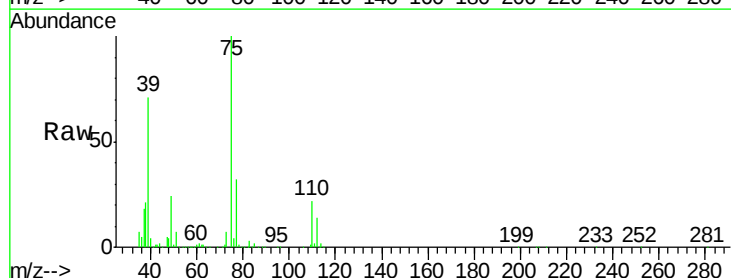
Tgt Ion: 75 Resp: 234990

Ion Ratio Lower Upper

75 100

77 32.0 24.3 36.5

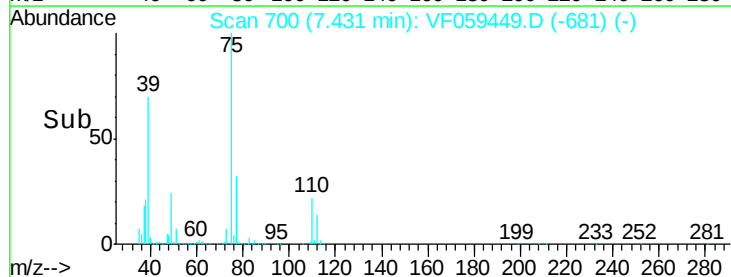
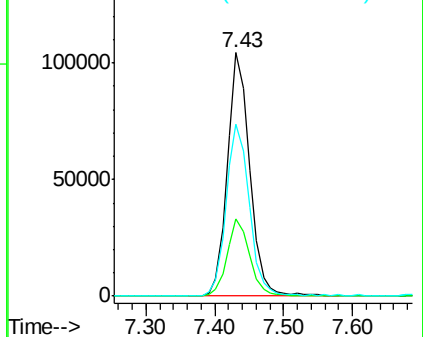
39 70.6 57.2 85.8

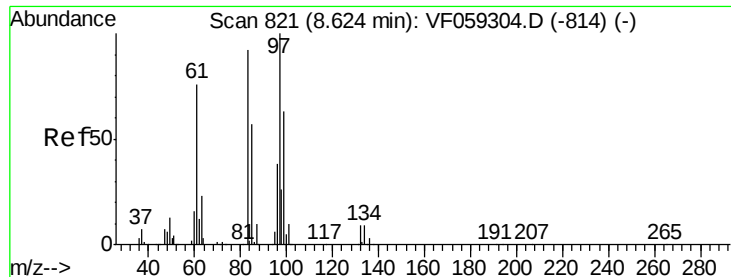


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#55

1,1,2-Trichloroethane

Concen: 55.171 ug/l

RT: 8.61 min Scan# 820

Delta R.T. -0.01 min

Lab File: VF059449.D

Acq: 6 Jul 2018 14:05

Instrument :

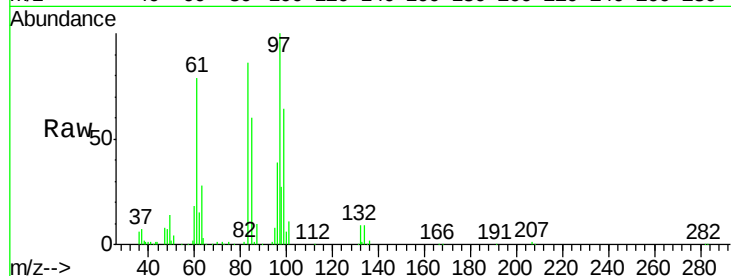
MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 117101

Ion	Ratio	Lower	Upper
97	100		
83	85.6	73.8	110.8
85	59.5	45.5	68.3
99	63.8	50.7	76.1

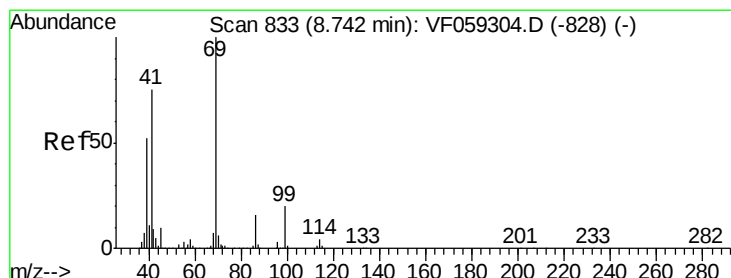
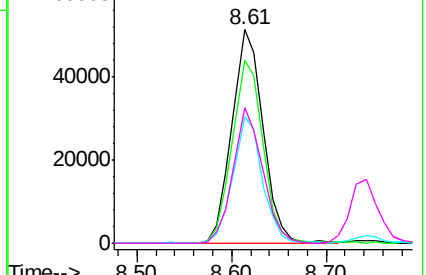
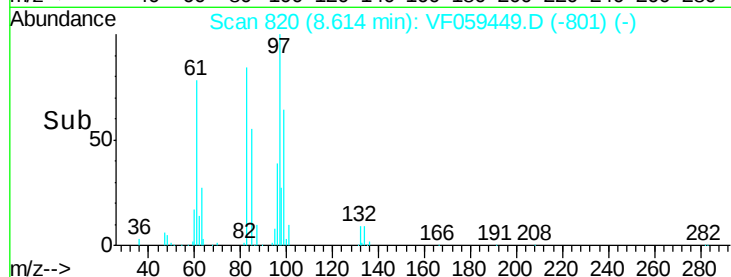


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 53.317 ug/l

RT: 8.74 min Scan# 833

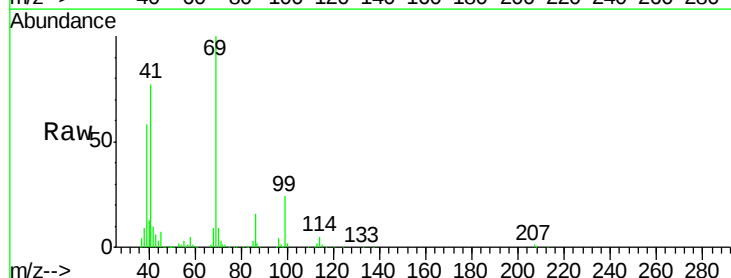
Delta R.T. -0.00 min

Lab File: VF059449.D

Acq: 6 Jul 2018 14:05

Tgt Ion: 69 Resp: 140187

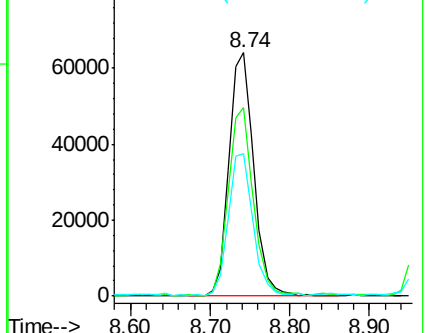
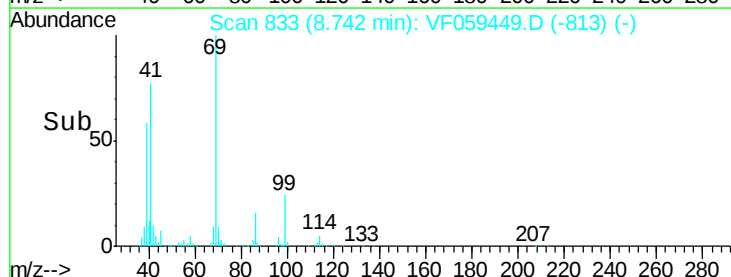
Ion	Ratio	Lower	Upper
69	100		
41	77.5	60.3	90.5
39	58.3	42.2	63.4

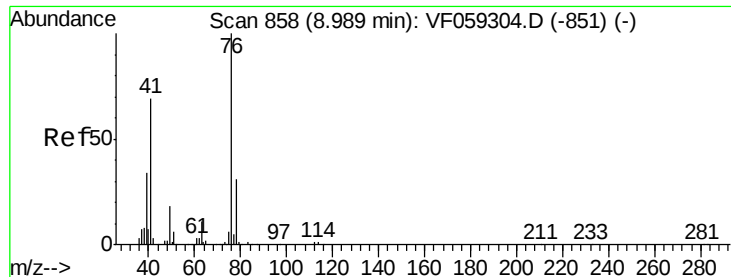


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 52.036 ug/l

RT: 8.98 min Scan# 857

Delta R.T. -0.01 min

Lab File: VF059449.D

Acq: 6 Jul 2018 14:05

Instrument :

MSVOA_F

ClientSampleId :

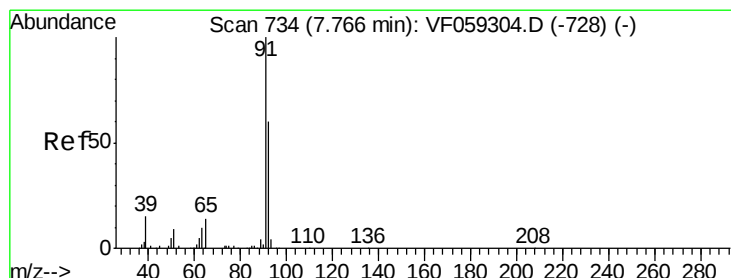
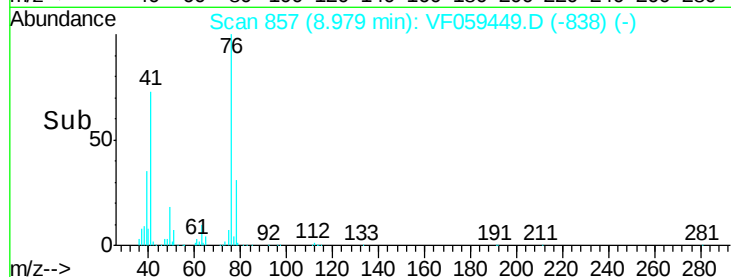
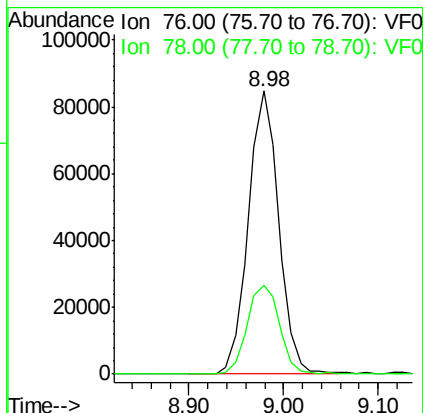
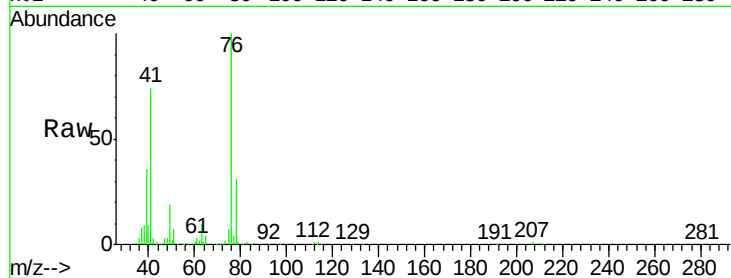
VSTDCCC050

Tot Ion: 76 Resp: 189421

Ion Ratio Lower Upper

76 100

78 31.4 24.9 37.3



#58

2-Chloroethyl Vinyl ether

Concen: 267.663 ug/l

RT: 7.76 min Scan# 733

Delta R.T. -0.01 min

Lab File: VF059449.D

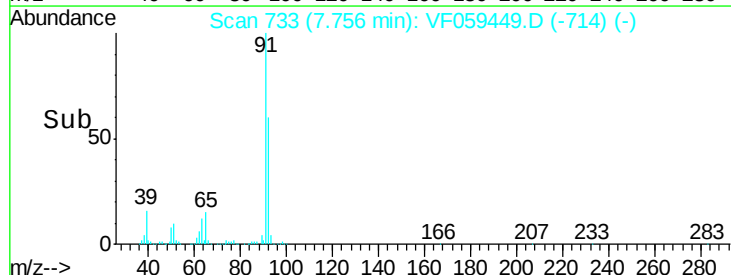
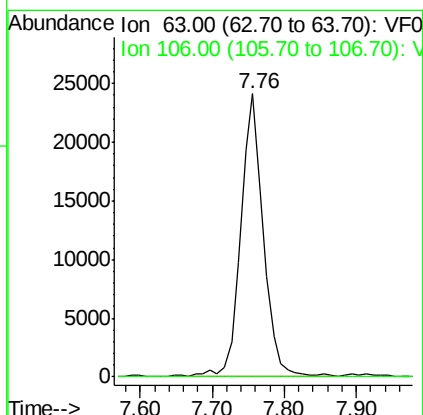
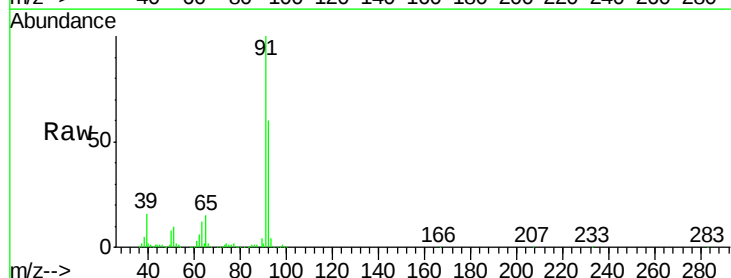
Acq: 6 Jul 2018 14:05

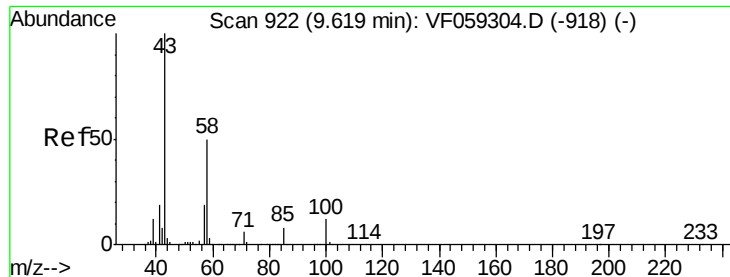
Tgt Ion: 63 Resp: 52782

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0

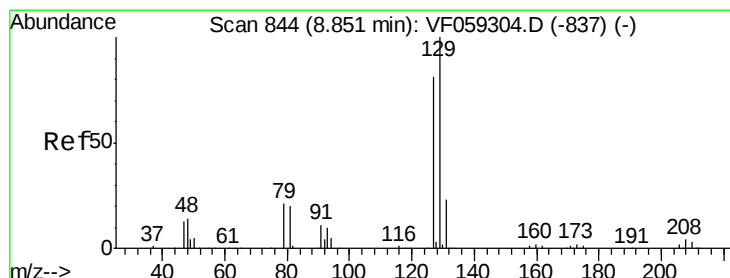
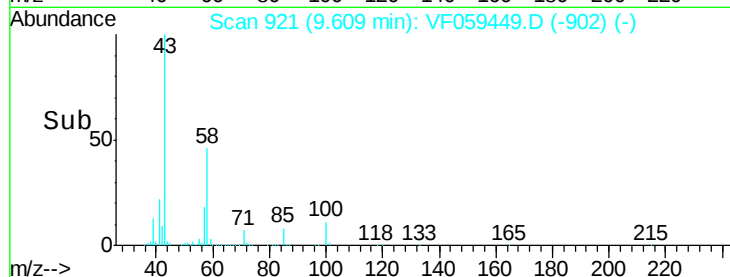
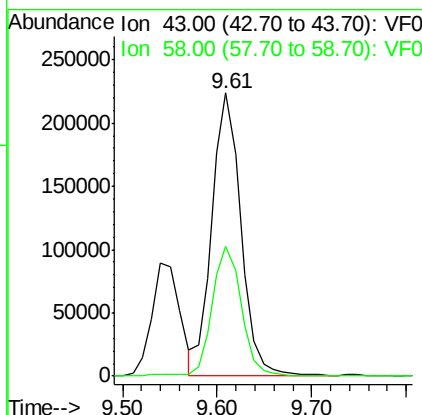
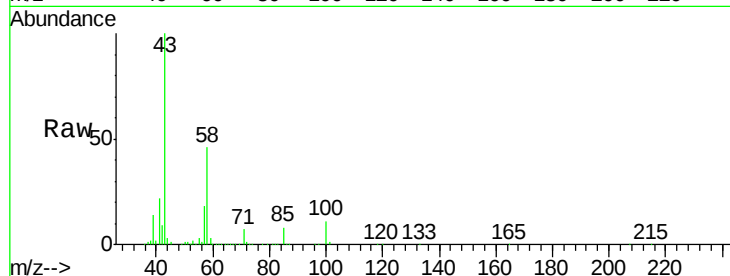




#59
2-Hexanone
Concen: 315.860 ug/l
RT: 9.61 min Scan# 921
Delta R.T. -0.01 min
Lab File: VF059449.D
Acq: 6 Jul 2018 14:05

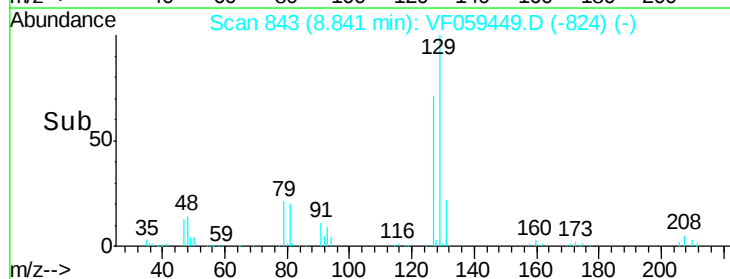
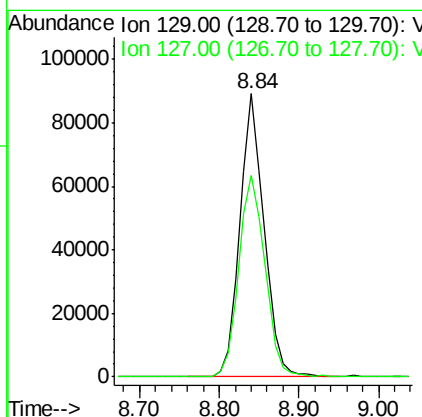
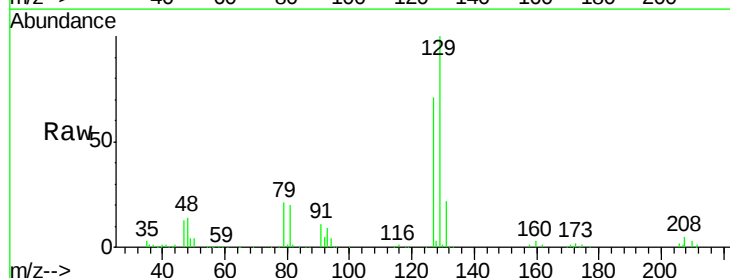
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

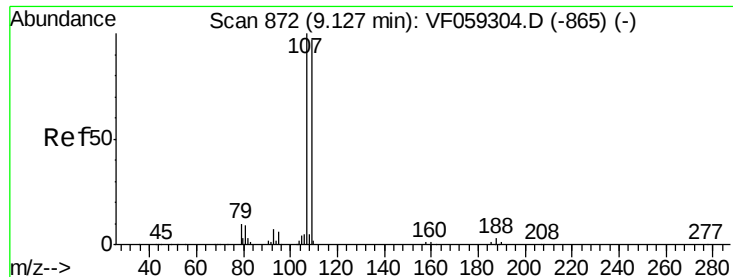
Tot Ion: 43 Resp: 475687
Ion Ratio Lower Upper
43 100
58 45.7 23.3 69.9



#60
Dibromochloromethane
Concen: 57.279 ug/l
RT: 8.84 min Scan# 843
Delta R.T. -0.01 min
Lab File: VF059449.D
Acq: 6 Jul 2018 14:05

Tgt Ion: 129 Resp: 187693
Ion Ratio Lower Upper
129 100
127 71.3 40.7 122.1





#61

1,2-Dibromoethane

Concen: 52.295 ug/l

RT: 9.12 min Scan# 871

Delta R.T. -0.01 min

Lab File: VF059449.D

Acq: 6 Jul 2018 14:05

Instrument :

MSVOA_F

ClientSampleId :

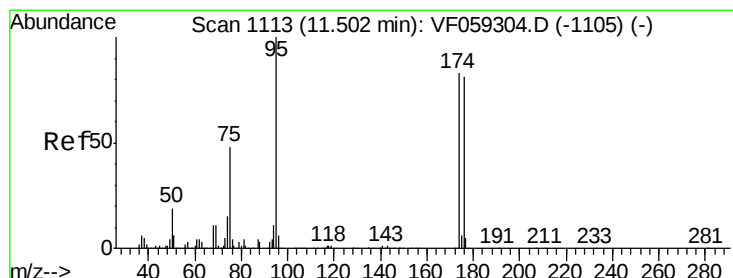
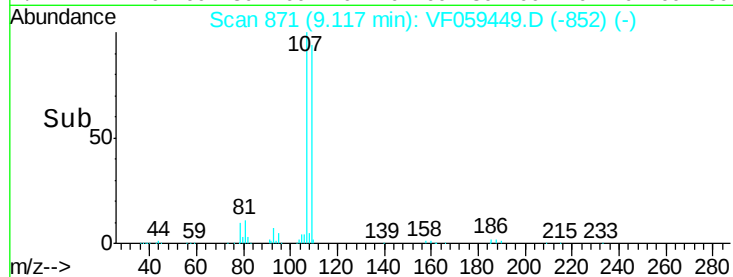
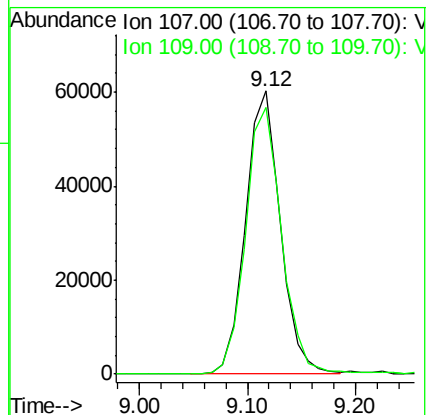
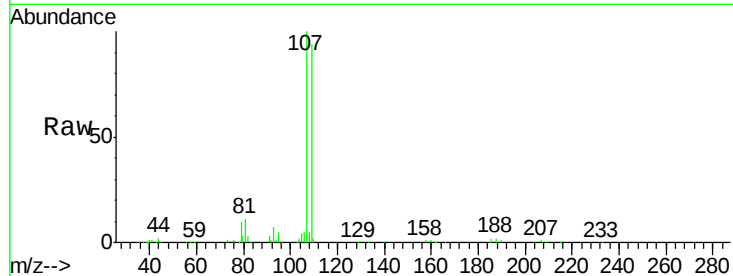
VSTDCCC050

Tot Ion:107 Resp: 134613

Ion Ratio Lower Upper

107 100

109 94.3 77.3 115.9



#62

4-Bromofluorobenzene

Concen: 47.897 ug/l

RT: 11.49 min Scan# 1112

Delta R.T. -0.01 min

Lab File: VF059449.D

Acq: 6 Jul 2018 14:05

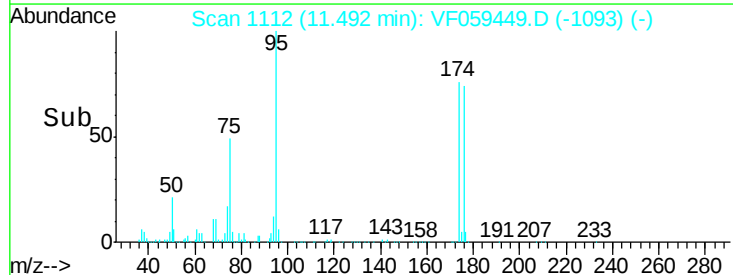
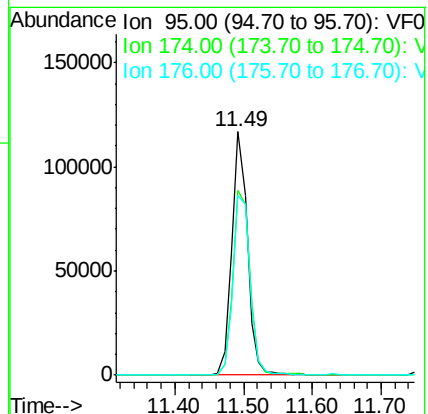
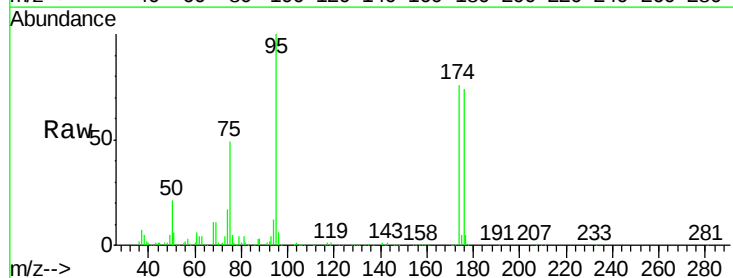
Tgt Ion: 95 Resp: 184355

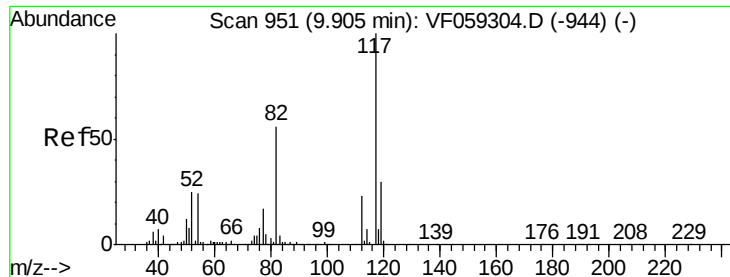
Ion Ratio Lower Upper

95 100

174 75.7 0.0 165.2

176 74.0 0.0 161.0

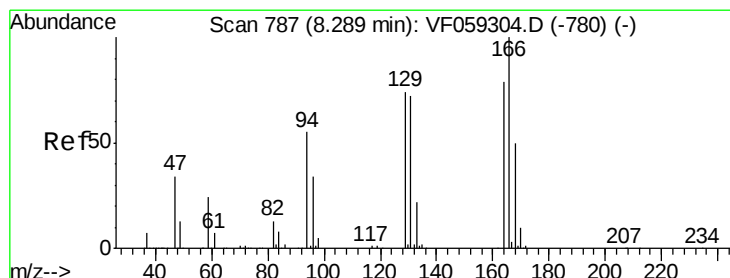
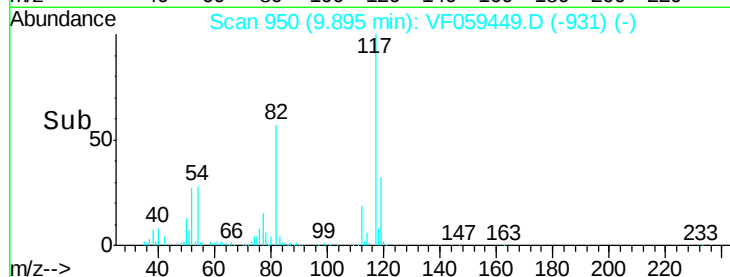
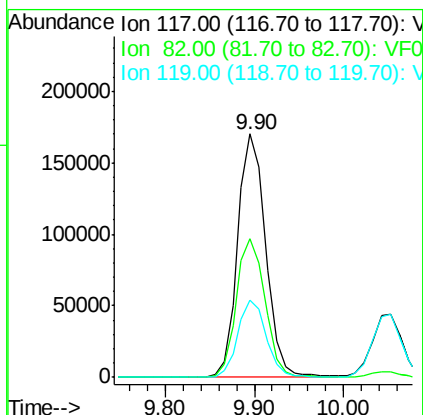
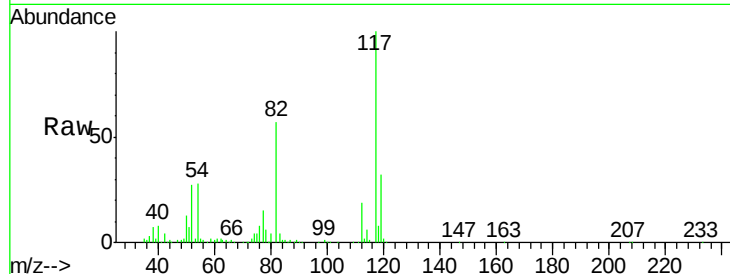




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.90 min Scan# 950
Delta R.T. -0.01 min
Lab File: VF059449.D
Acq: 6 Jul 2018 14:05

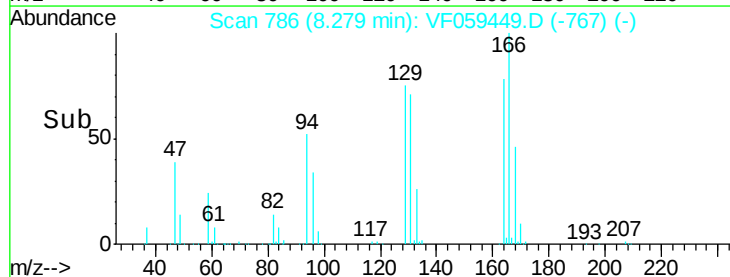
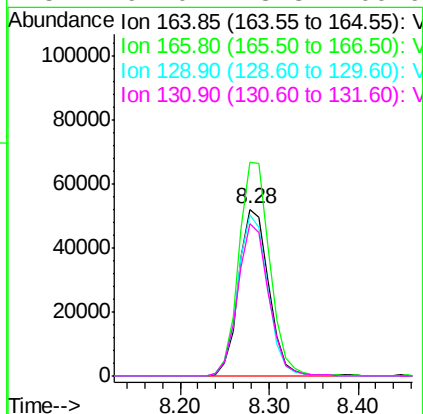
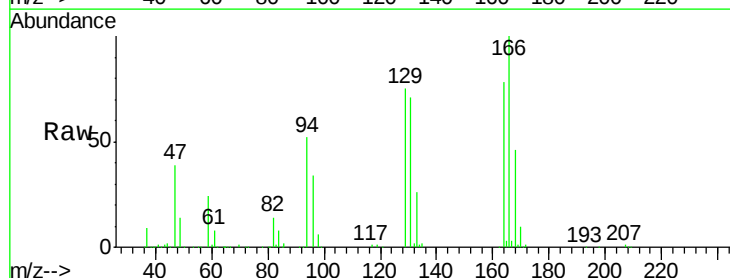
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

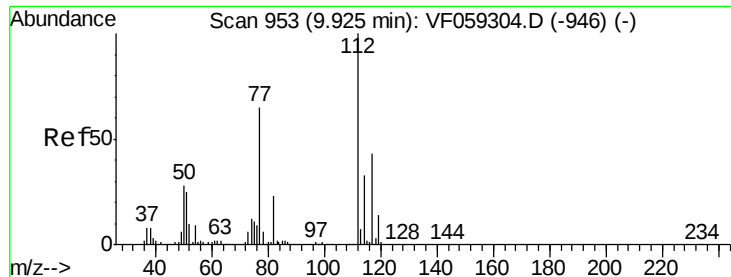
Tot Ion:117 Resp: 372950
Ion Ratio Lower Upper
117 100
82 57.0 44.6 66.8
119 31.5 24.1 36.1



#64
Tetrachloroethene
Concen: 50.694 ug/l
RT: 8.28 min Scan# 786
Delta R.T. -0.01 min
Lab File: VF059449.D
Acq: 6 Jul 2018 14:05

Tgt Ion:164 Resp: 122623
Ion Ratio Lower Upper
164 100
166 128.0 101.1 151.7
129 96.6 75.0 112.4
131 91.0 73.3 109.9

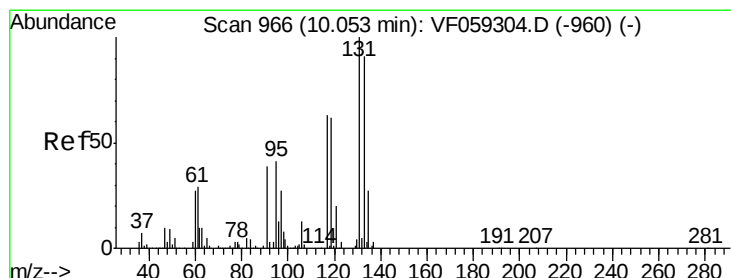
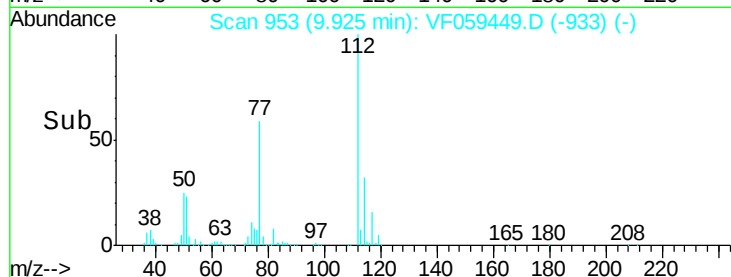
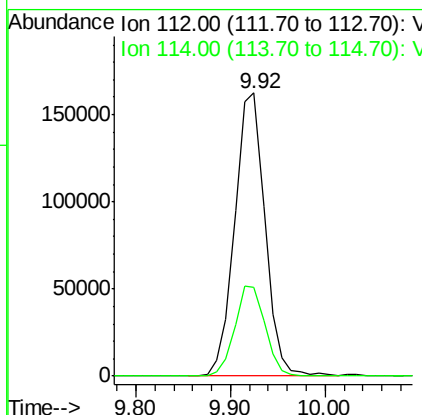
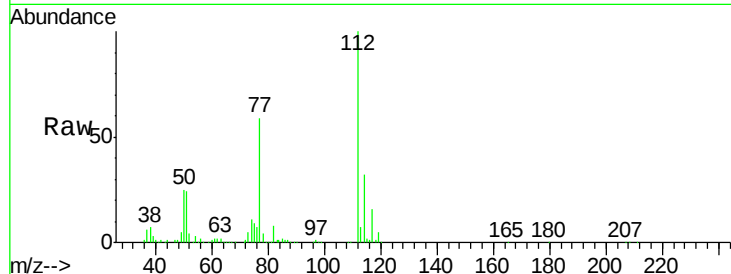




#65
Chlorobenzene
Concen: 52.293 ug/l
RT: 9.92 min Scan# 953
Delta R.T. -0.00 min
Lab File: VF059449.D
Acq: 6 Jul 2018 14:05

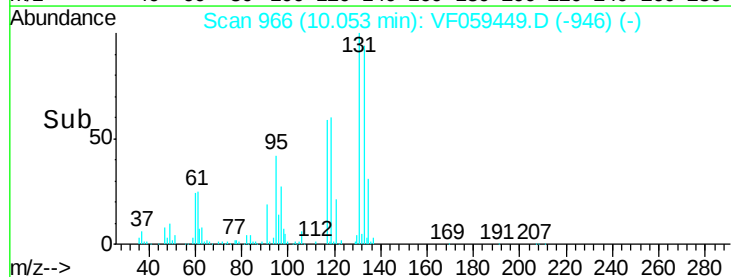
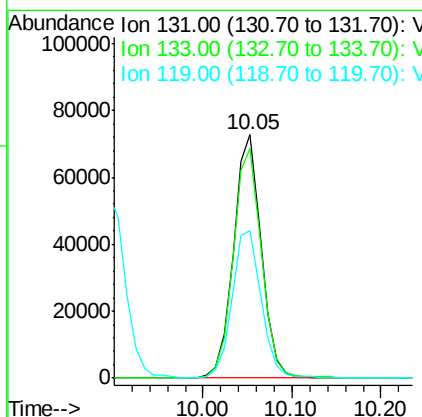
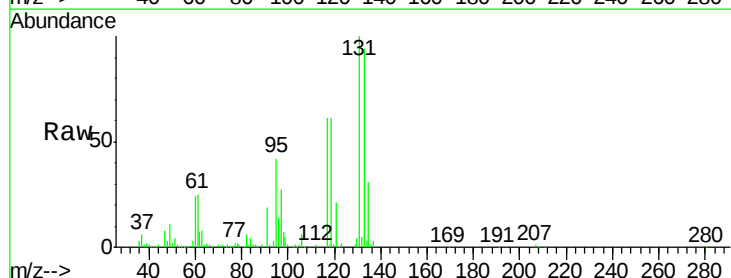
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

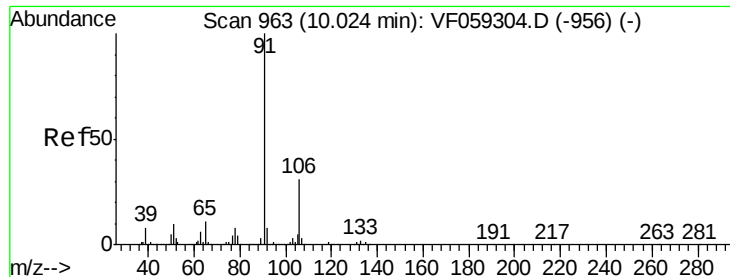
Tot Ion:112 Resp: 361387
Ion Ratio Lower Upper
112 100
114 31.6 26.5 39.7



#66
1,1,1,2-Tetrachloroethane
Concen: 52.694 ug/l
RT: 10.05 min Scan# 966
Delta R.T. -0.00 min
Lab File: VF059449.D
Acq: 6 Jul 2018 14:05

Tgt Ion:131 Resp: 157500
Ion Ratio Lower Upper
131 100
133 94.5 45.3 135.9
119 60.8 31.3 93.9





#67

Ethyl Benzene

Concen: 50.780 ug/l

RT: 10.01 min Scan# 962

Delta R.T. -0.01 min

Lab File: VF059449.D

Acq: 6 Jul 2018 14:05

Instrument :

MSVOA_F

ClientSampleId :

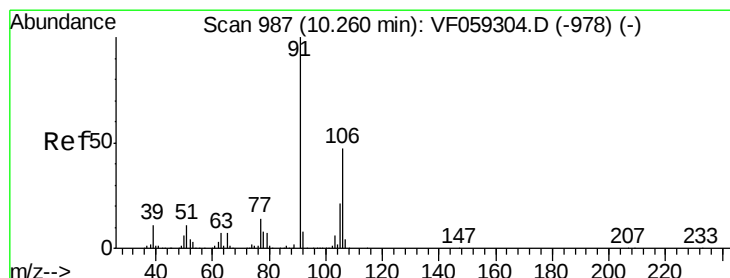
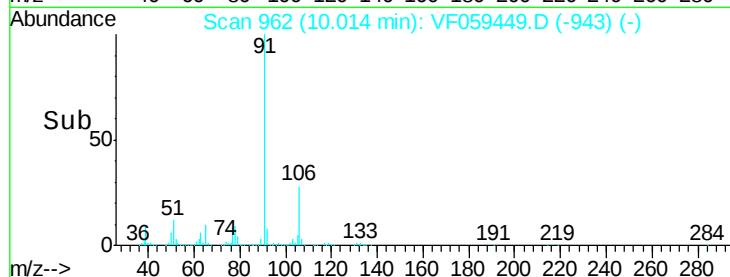
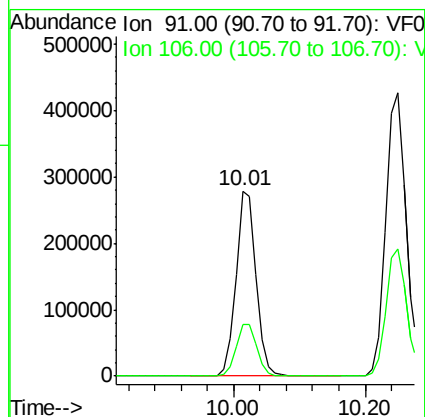
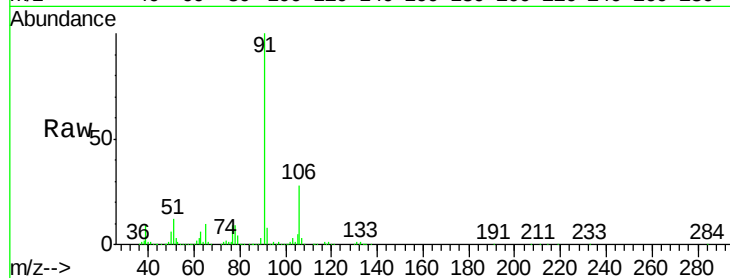
VSTDCCC050

Tot Ion: 91 Resp: 595328

Ion Ratio Lower Upper

91 100

106 28.1 24.8 37.2



#68

m/p-Xylenes

Concen: 100.316 ug/l

RT: 10.25 min Scan# 986

Delta R.T. -0.01 min

Lab File: VF059449.D

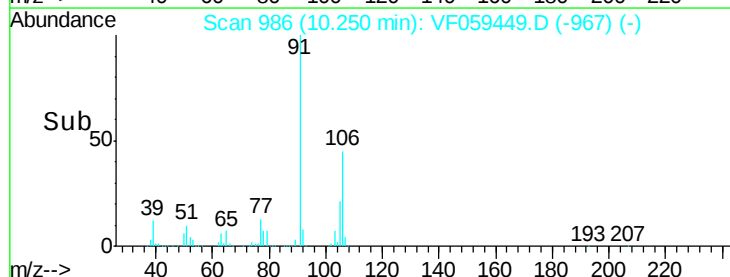
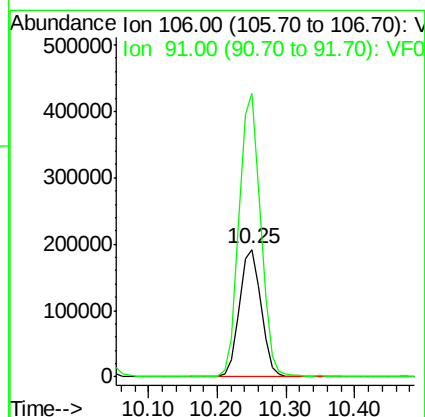
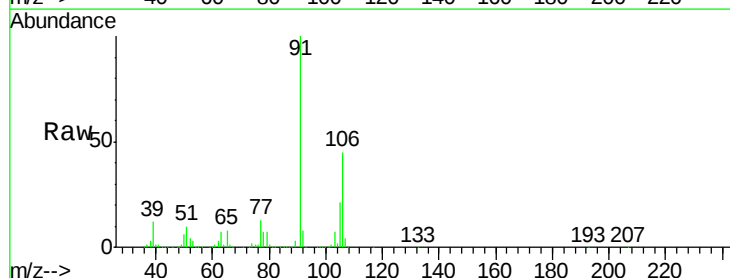
Acq: 6 Jul 2018 14:05

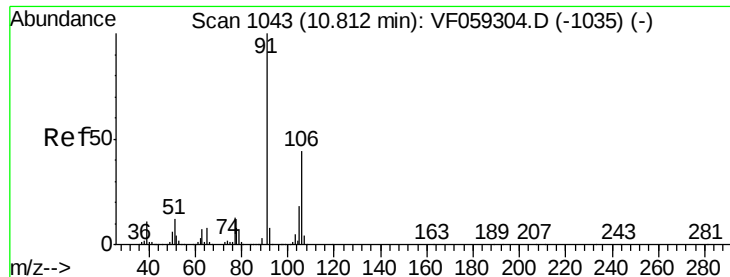
Tgt Ion: 106 Resp: 418599

Ion Ratio Lower Upper

106 100

91 222.4 170.8 256.2

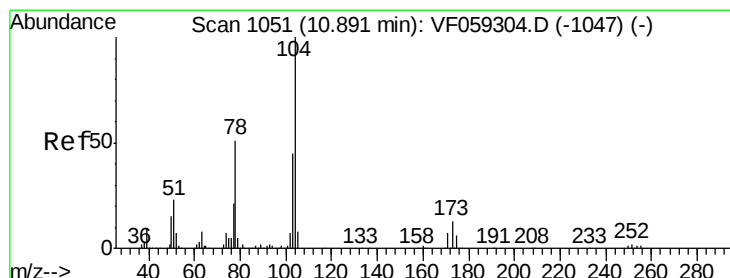
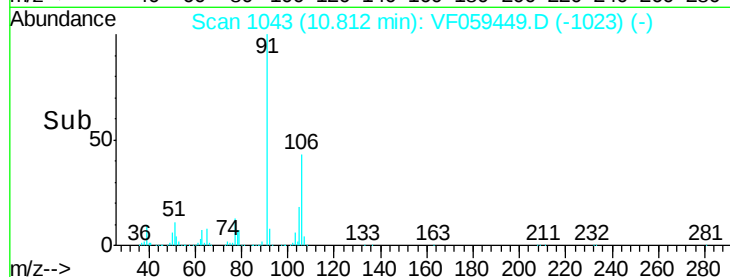
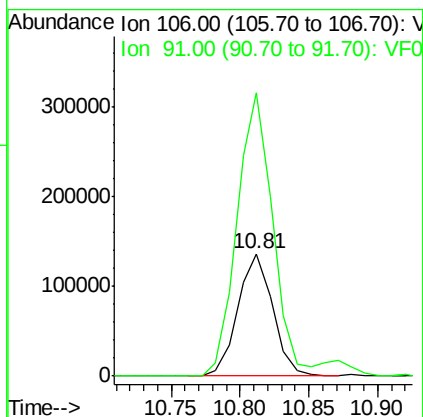
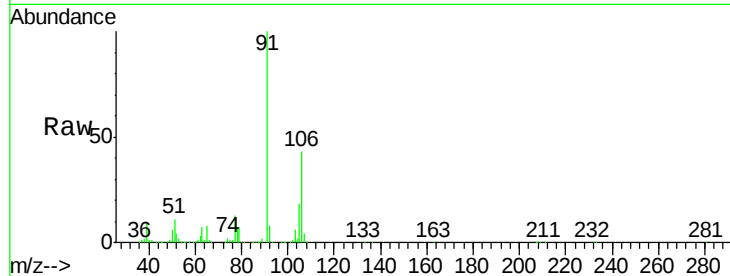




#69
o-Xylene
Concen: 52.140 ug/l
RT: 10.81 min Scan# 1043
Delta R.T. -0.00 min
Lab File: VF059449.D
Acq: 6 Jul 2018 14:05

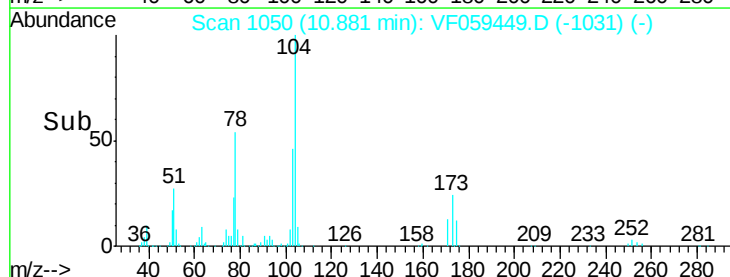
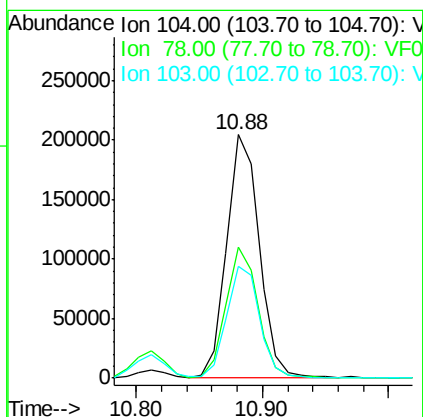
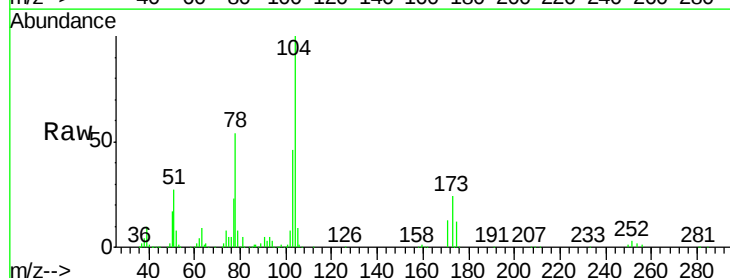
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

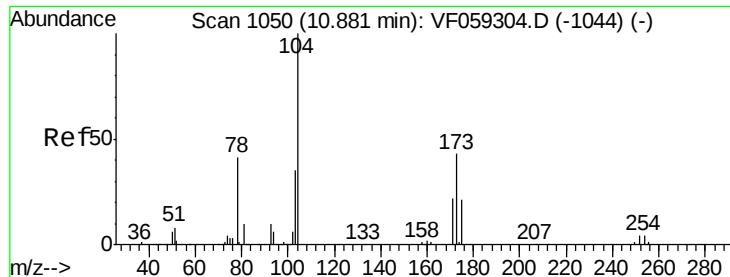
Tot Ion:106 Resp: 243355
Ion Ratio Lower Upper
106 100
91 231.0 114.6 343.6



#70
Styrene
Concen: 51.082 ug/l
RT: 10.88 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VF059449.D
Acq: 6 Jul 2018 14:05

Tgt Ion:104 Resp: 363184
Ion Ratio Lower Upper
104 100
78 53.7 40.9 61.3
103 46.1 36.5 54.7





#71

Bromoform

Concen: 58.241 ug/l

RT: 10.87 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VF059449.D

Acq: 6 Jul 2018 14:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

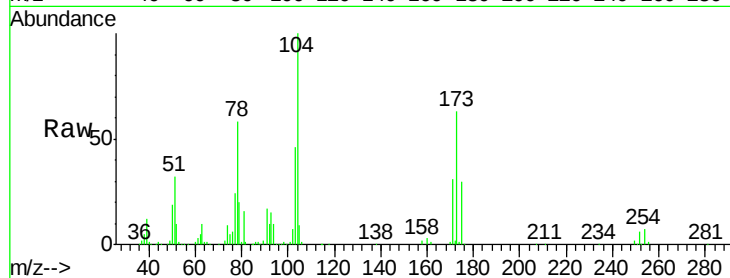
Tot Ion:173 Resp: 119317

Ion Ratio Lower Upper

173 100

175 46.6 24.8 74.3

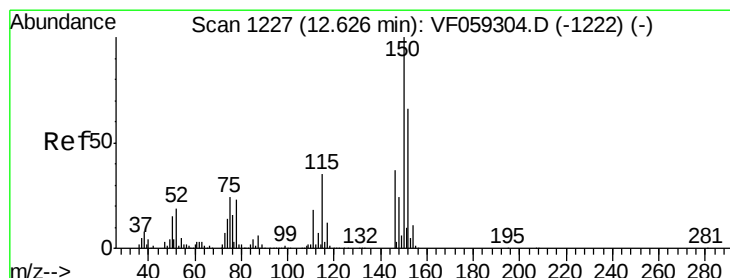
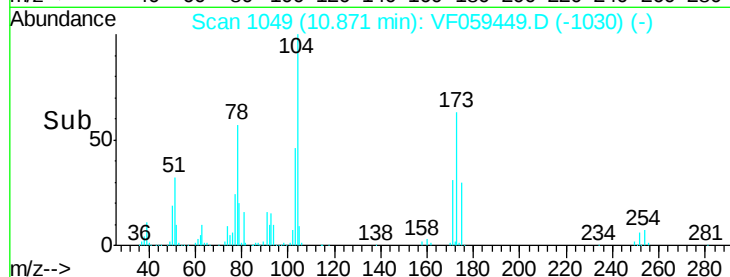
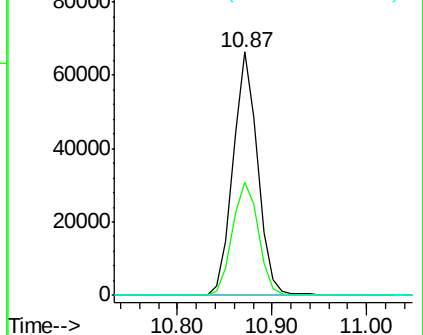
254 0.0 0.0 0.0



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.62 min Scan# 1226

Delta R.T. -0.01 min

Lab File: VF059449.D

Acq: 6 Jul 2018 14:05

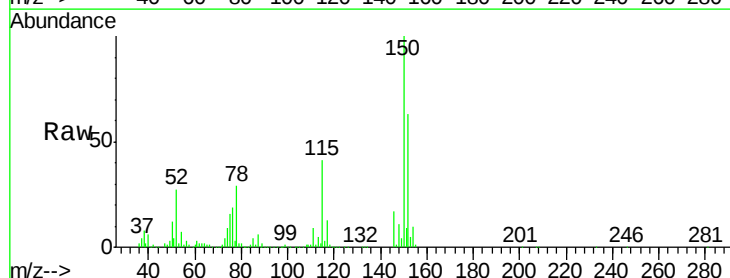
Tgt Ion:152 Resp: 234444

Ion Ratio Lower Upper

152 100

115 64.7 27.1 81.3

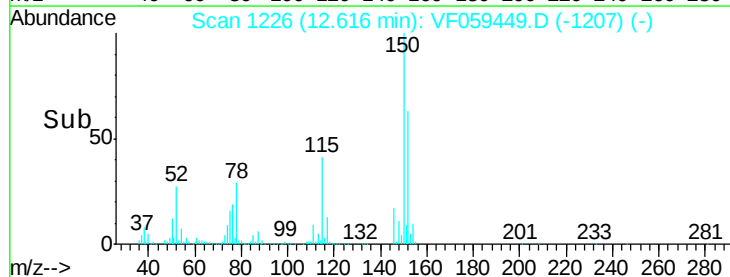
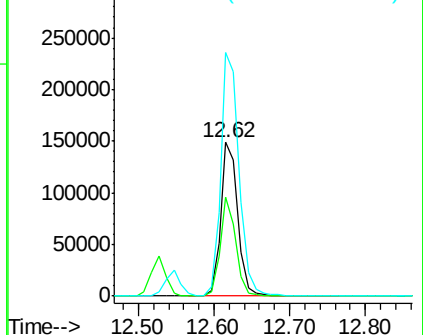
150 158.5 0.0 305.2

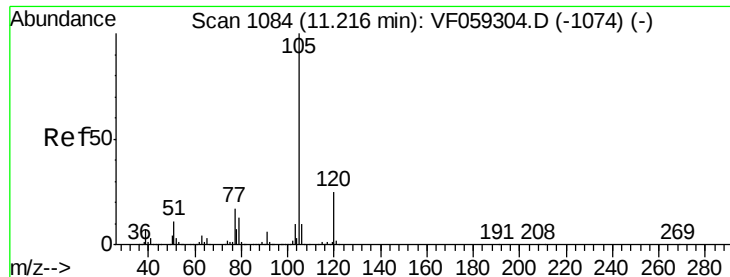


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 52.684 ug/l

RT: 11.22 min Scan# 1084

Delta R.T. -0.00 min

Lab File: VF059449.D

Acq: 6 Jul 2018 14:05

Instrument :

MSVOA_F

ClientSampleId :

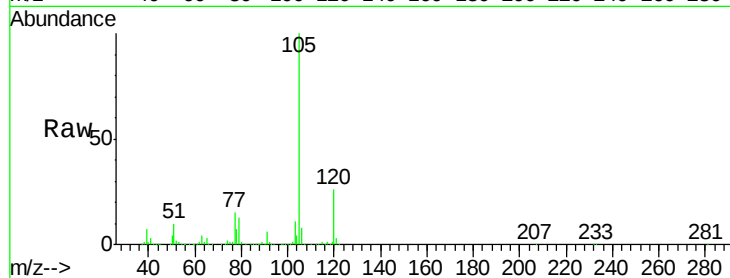
VSTDCCC050

Tot Ion:105 Resp: 719565

Ion Ratio Lower Upper

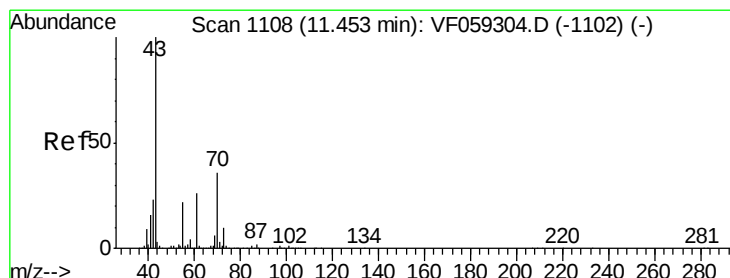
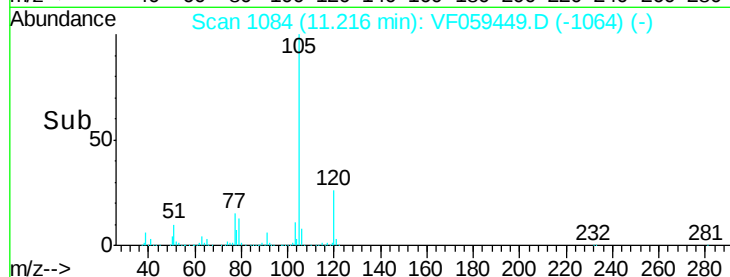
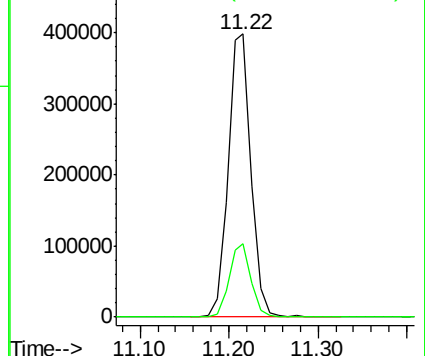
105 100

120 25.9 12.3 36.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 54.279 ug/l

RT: 11.44 min Scan# 1107

Delta R.T. -0.01 min

Lab File: VF059449.D

Acq: 6 Jul 2018 14:05

Tgt Ion: 43 Resp: 269029

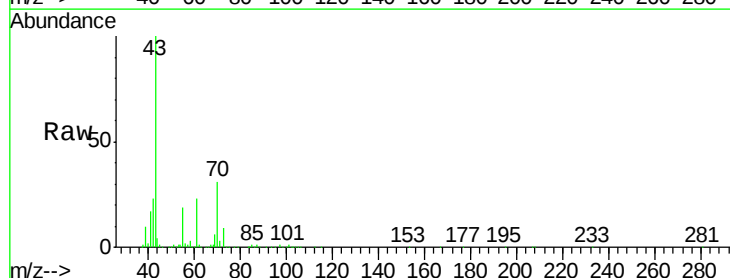
Ion Ratio Lower Upper

43 100

70 30.9 28.8 43.2

55 19.5 17.4 26.0

61 23.0 21.1 31.7

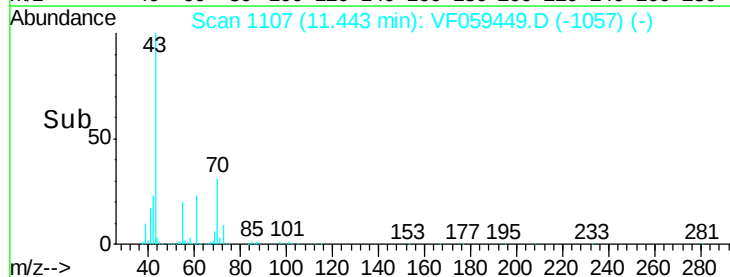
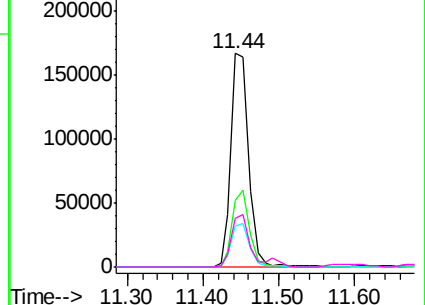


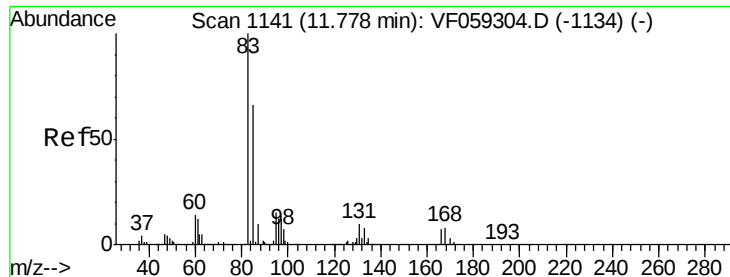
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 52.288 ug/l

RT: 11.77 min Scan# 1140

Delta R.T. -0.01 min

Lab File: VF059449.D

Acq: 6 Jul 2018 14:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

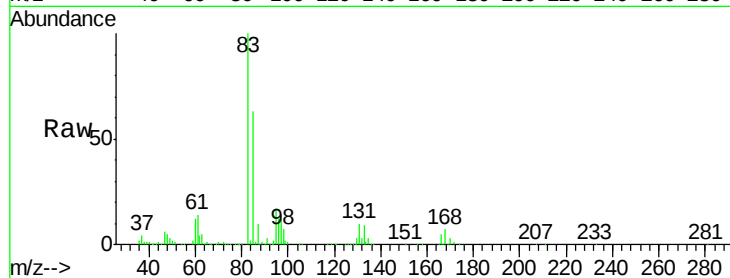
Tot Ion: 83 Resp: 180363

Ion Ratio Lower Upper

83 100

131 9.8 4.9 14.6

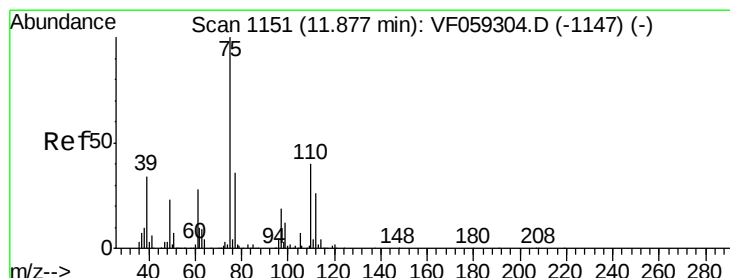
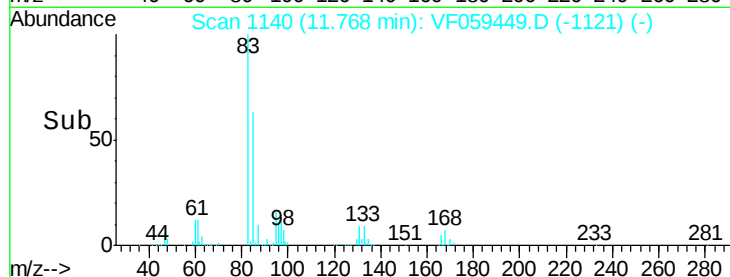
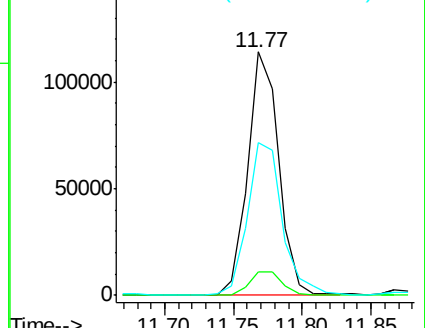
85 62.7 32.8 98.4



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): VF0

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 54.661 ug/l

RT: 11.87 min Scan# 1150

Delta R.T. -0.01 min

Lab File: VF059449.D

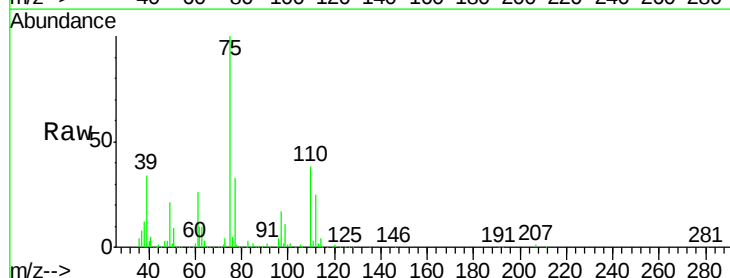
Acq: 6 Jul 2018 14:05

Tgt Ion: 75 Resp: 142228

Ion Ratio Lower Upper

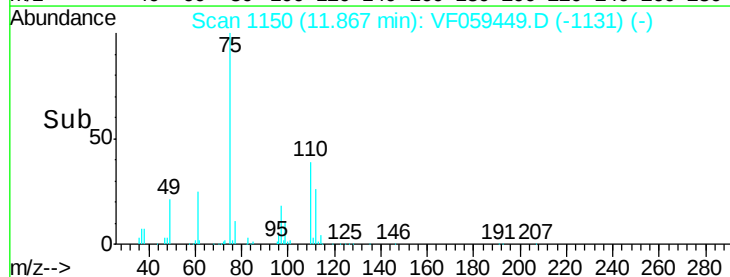
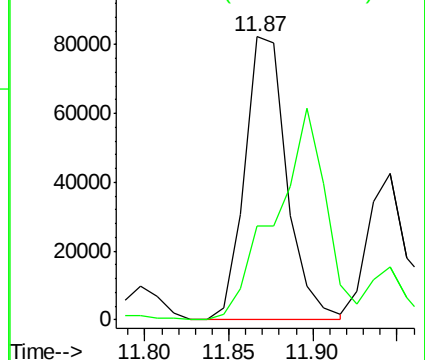
75 100

77 33.1 18.0 54.0



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 52.582 ug/l

RT: 11.58 min Scan# 1121

Delta R.T. -0.00 min

Lab File: VF059449.D

Acq: 6 Jul 2018 14:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

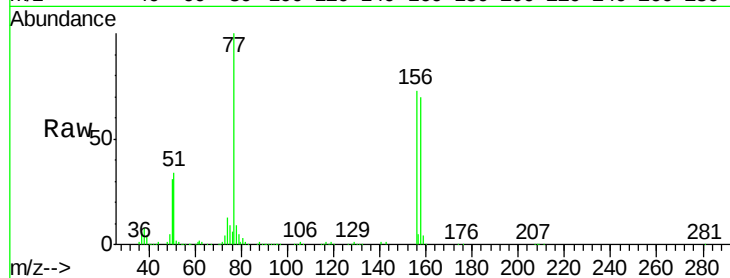
Tot Ion:156 Resp: 199250

Ion Ratio Lower Upper

156 100

77 137.5 79.7 238.9

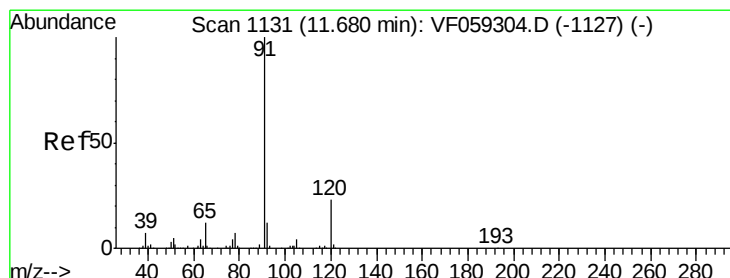
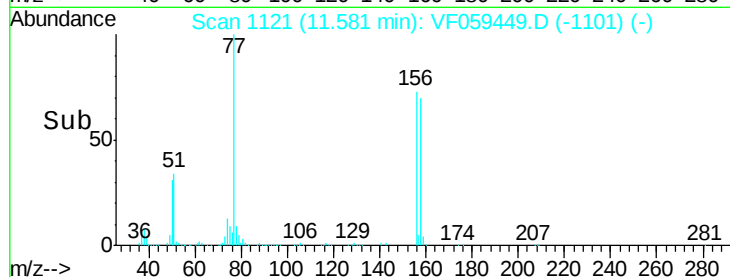
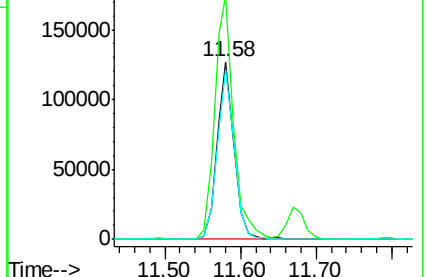
158 95.6 46.2 138.6



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: 50.016 ug/l

RT: 11.67 min Scan# 1130

Delta R.T. -0.01 min

Lab File: VF059449.D

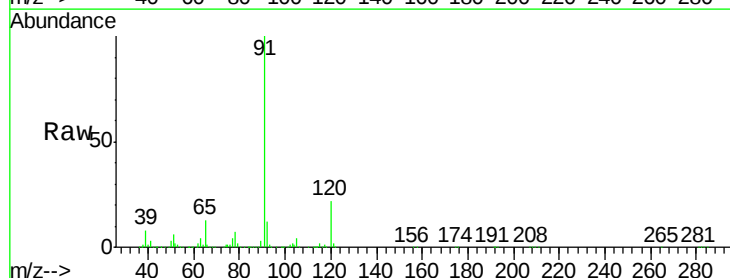
Acq: 6 Jul 2018 14:05

Tgt Ion: 91 Resp: 820410

Ion Ratio Lower Upper

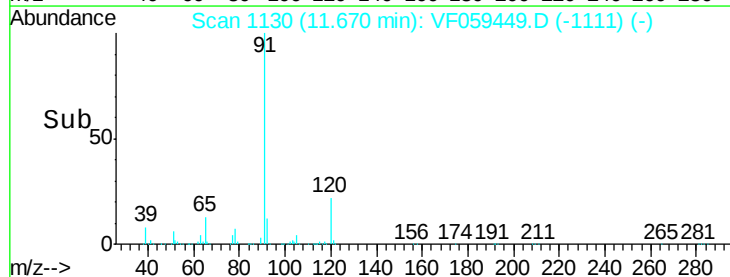
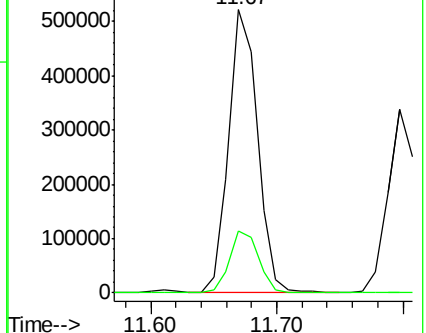
91 100

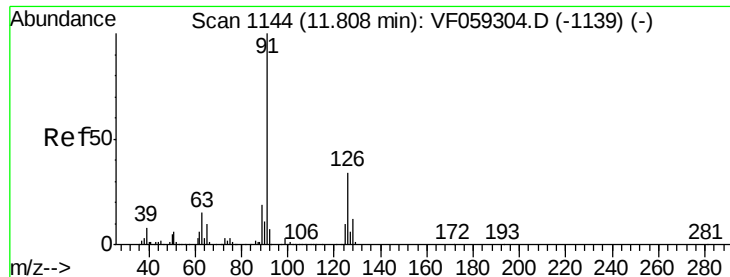
120 21.9 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 52.401 ug/l

RT: 11.80 min Scan# 1143

Delta R.T. -0.01 min

Lab File: VF059449.D

Acq: 6 Jul 2018 14:05

Instrument :

MSVOA_F

ClientSampleId :

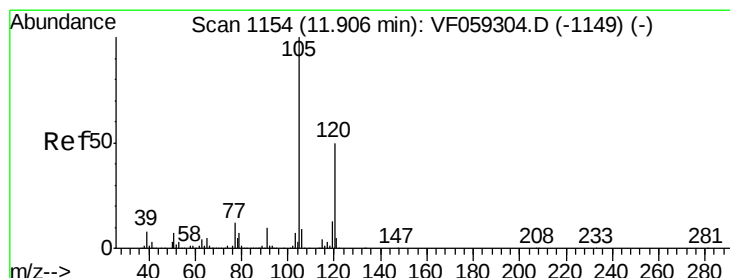
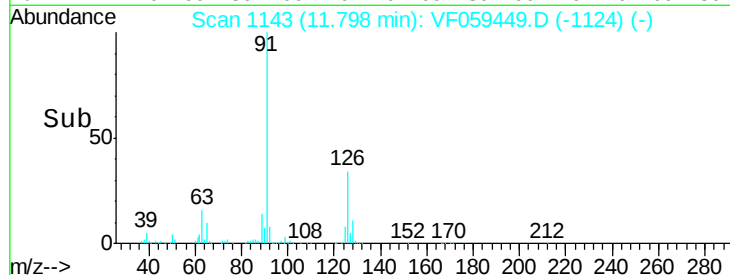
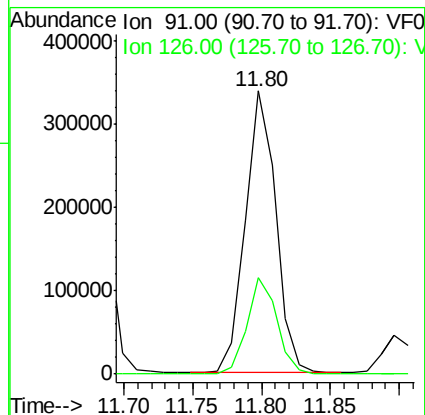
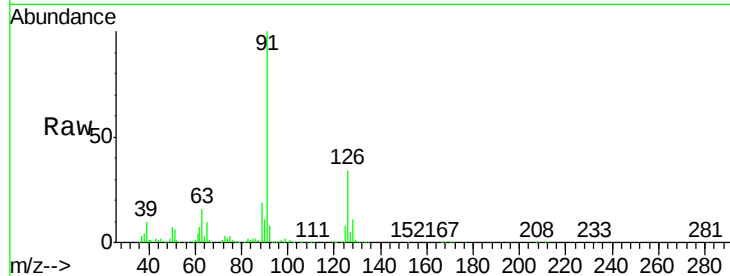
VSTDCCC050

Tot Ion: 91 Resp: 525127

Ion Ratio Lower Upper

91 100

126 34.0 17.2 51.5



#80

1,3,5-Trimethylbenzene

Concen: 53.857 ug/l

RT: 11.90 min Scan# 1153

Delta R.T. -0.01 min

Lab File: VF059449.D

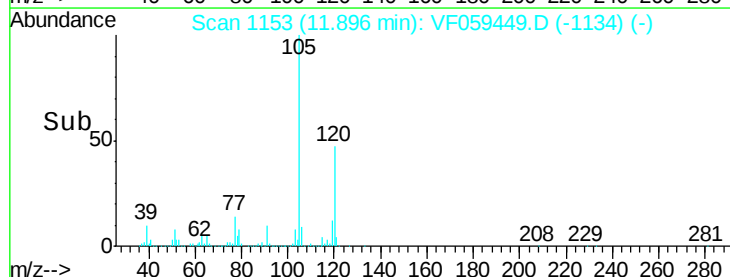
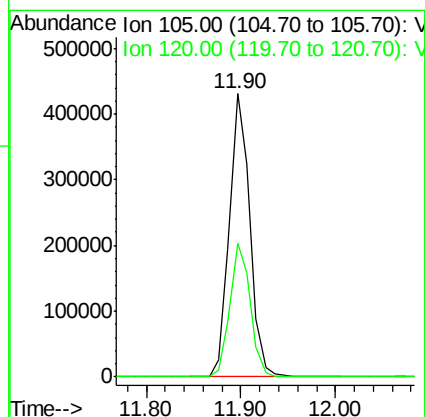
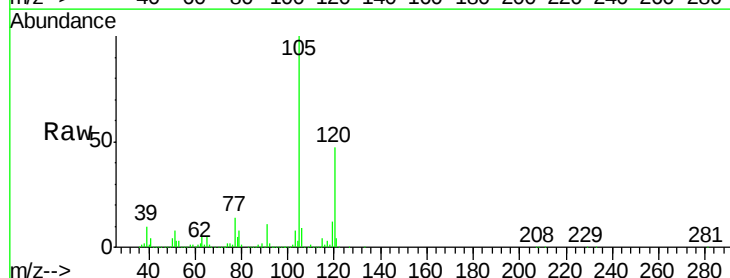
Acq: 6 Jul 2018 14:05

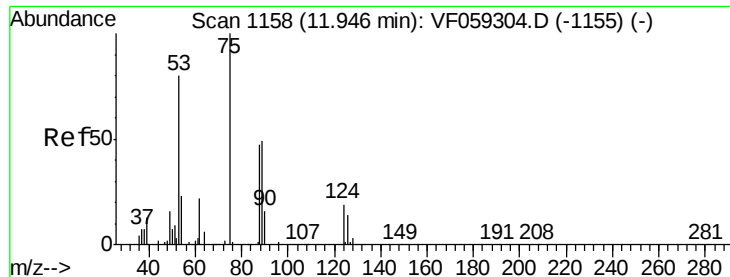
Tgt Ion: 105 Resp: 644346

Ion Ratio Lower Upper

105 100

120 47.0 24.9 74.7





#81

trans-1,4-Dichloro-2-butene

Concen: 53.059 ug/l

RT: 11.95 min Scan# 1158

Delta R.T. -0.00 min

Lab File: VF059449.D

Acq: 6 Jul 2018 14:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

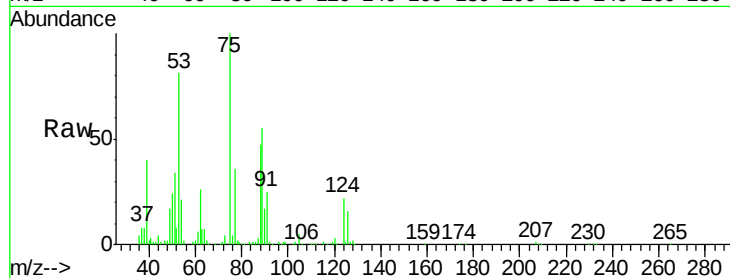
Tot Ion: 75 Resp: 82171

Ion Ratio Lower Upper

75 100

53 81.2 68.8 103.2

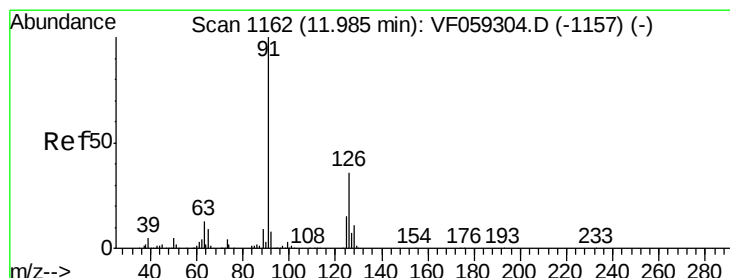
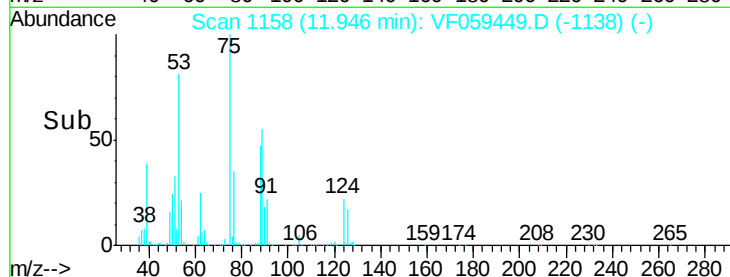
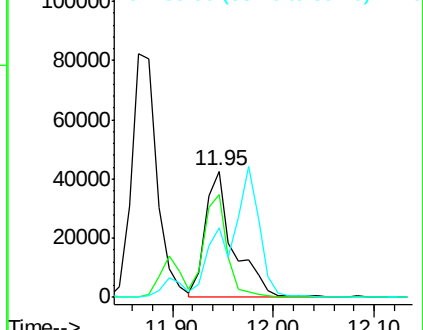
89 55.1 42.0 63.0



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0



#82

4-Chlorotoluene

Concen: 51.332 ug/l

RT: 11.98 min Scan# 1161

Delta R.T. -0.01 min

Lab File: VF059449.D

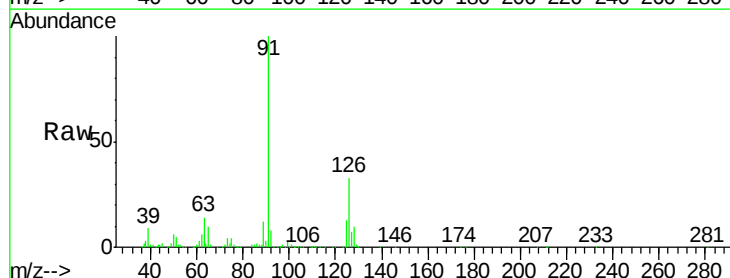
Acq: 6 Jul 2018 14:05

Tgt Ion: 91 Resp: 550997

Ion Ratio Lower Upper

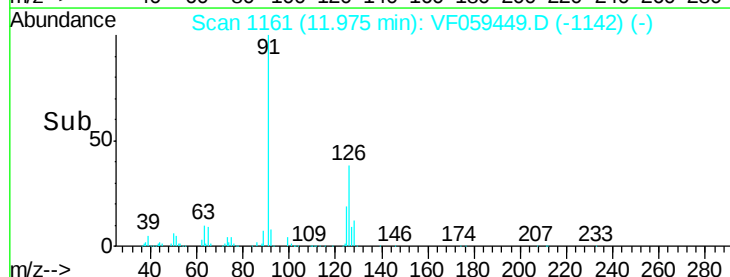
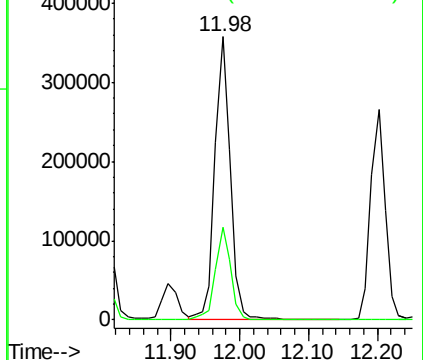
91 100

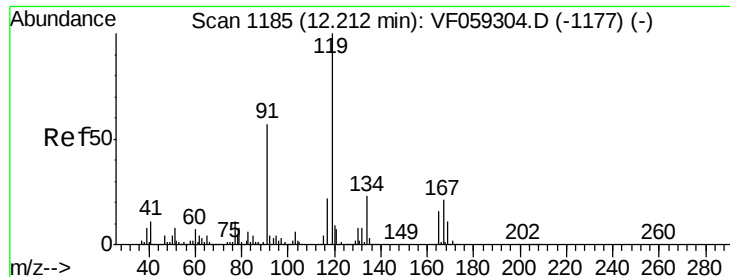
126 32.8 18.2 54.6



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

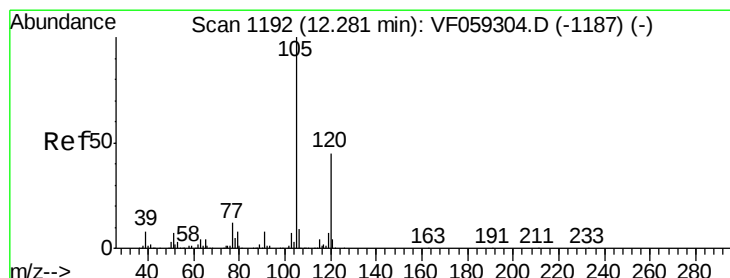
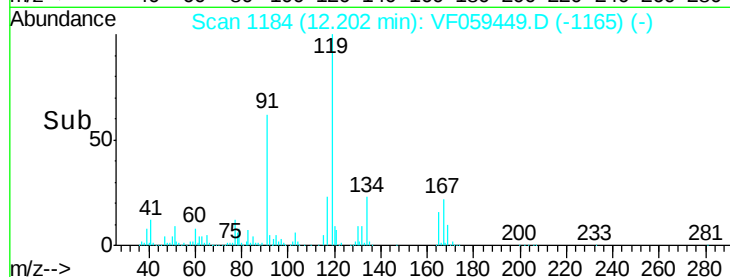
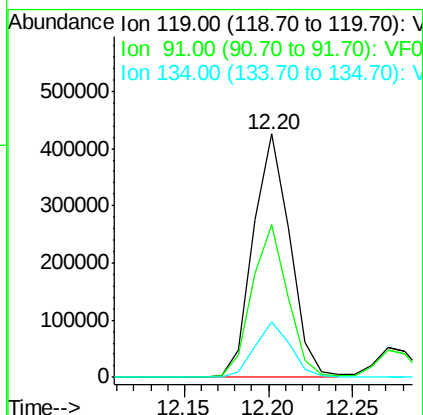
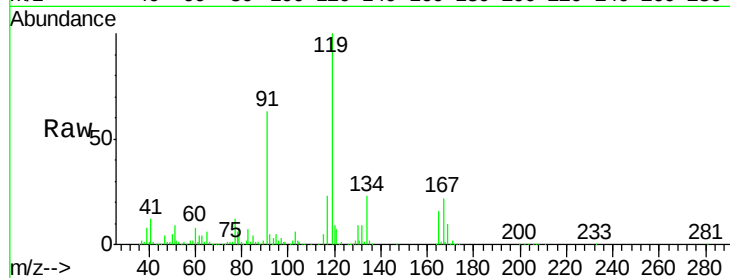




#83
 tert-Butylbenzene
 Concen: 53.946 ug/l
 RT: 12.20 min Scan# 1184
 Delta R.T. -0.01 min
 Lab File: VF059449.D
 Acq: 6 Jul 2018 14:05

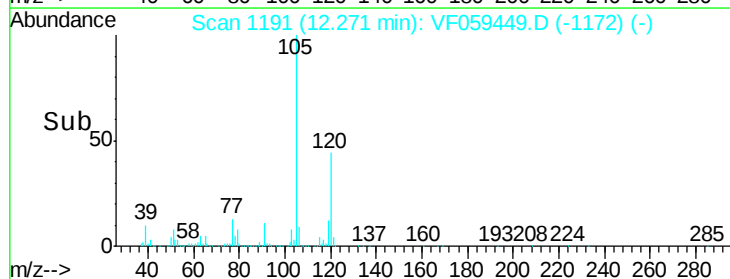
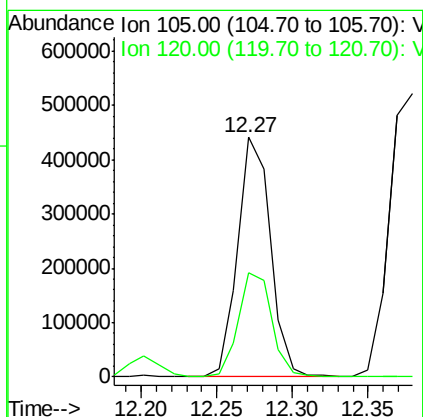
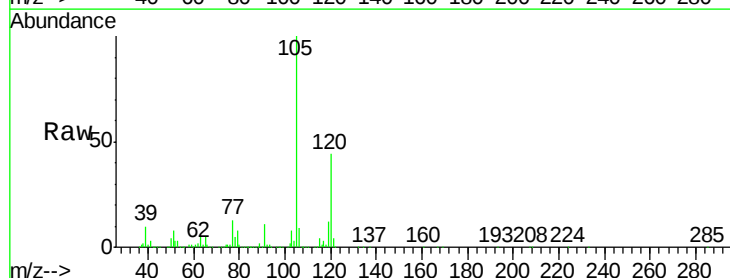
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

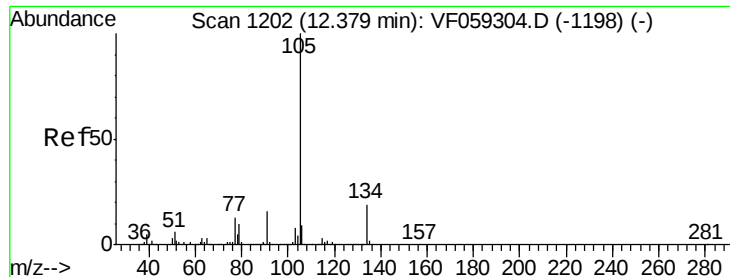
Tot Ion:119 Resp: 645514
 Ion Ratio Lower Upper
 119 100
 91 62.5 28.4 85.2
 134 23.0 11.7 35.1



#84
 1,2,4-Trimethylbenzene
 Concen: 52.672 ug/l
 RT: 12.27 min Scan# 1191
 Delta R.T. -0.01 min
 Lab File: VF059449.D
 Acq: 6 Jul 2018 14:05

Tgt Ion:105 Resp: 663691
 Ion Ratio Lower Upper
 105 100
 120 43.5 22.8 68.4





#85

sec-Butylbenzene

Concen: 52.499 ug/l

RT: 12.38 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VF059449.D

Acq: 6 Jul 2018 14:05

Instrument :

MSVOA_F

ClientSampleId :

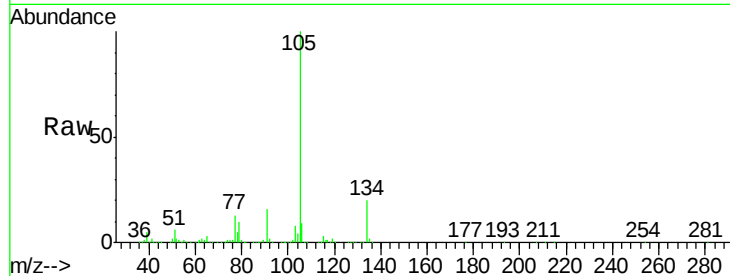
VSTDCCC050

Tot Ion:105 Resp: 832698

Ion Ratio Lower Upper

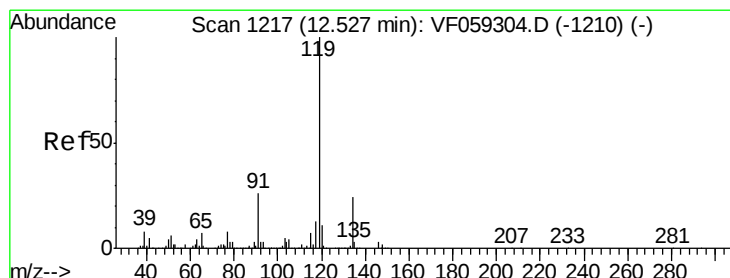
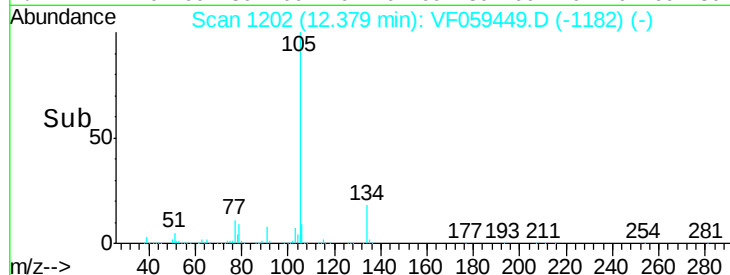
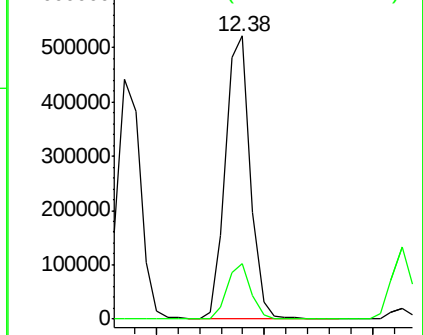
105 100

134 19.6 9.4 28.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 51.966 ug/l

RT: 12.53 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VF059449.D

Acq: 6 Jul 2018 14:05

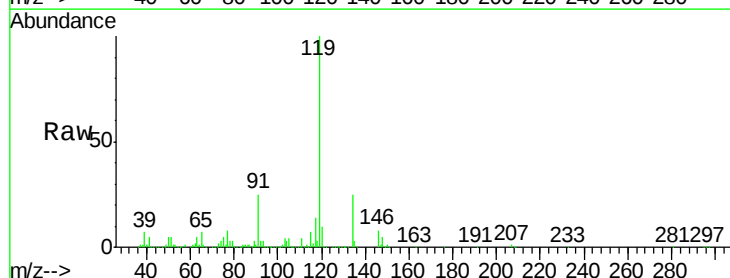
Tgt Ion:119 Resp: 691716

Ion Ratio Lower Upper

119 100

134 25.3 12.2 36.4

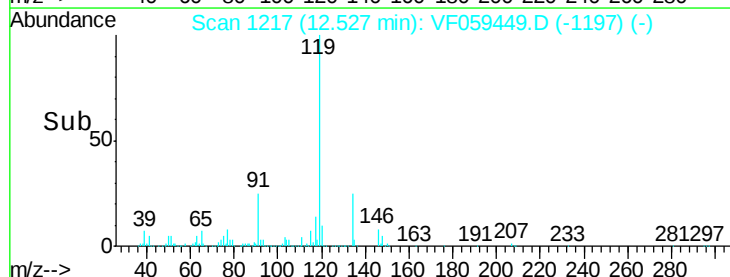
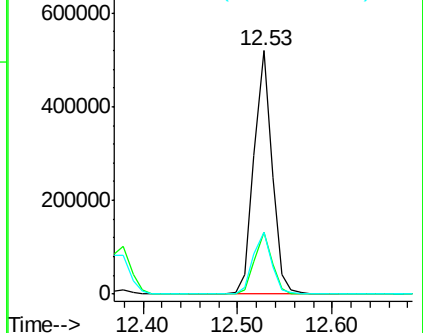
91 25.5 12.9 38.6

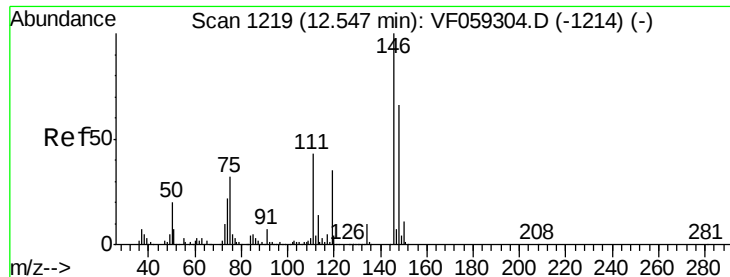


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0

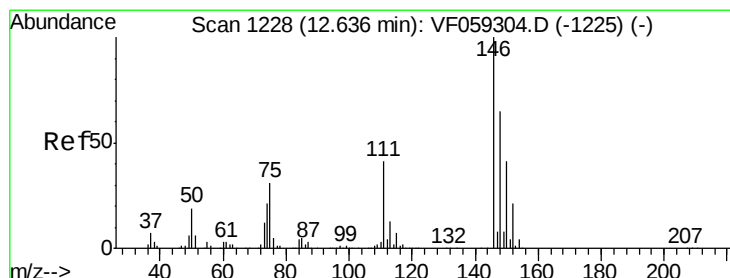
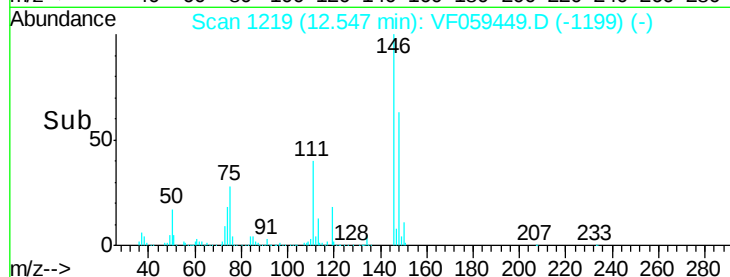
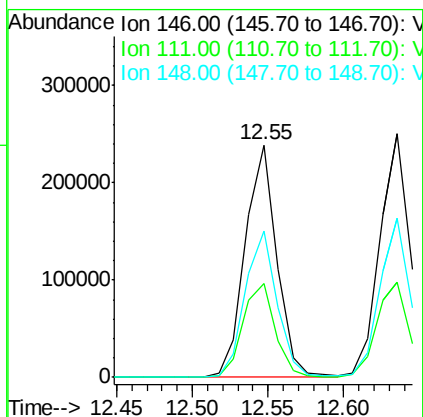
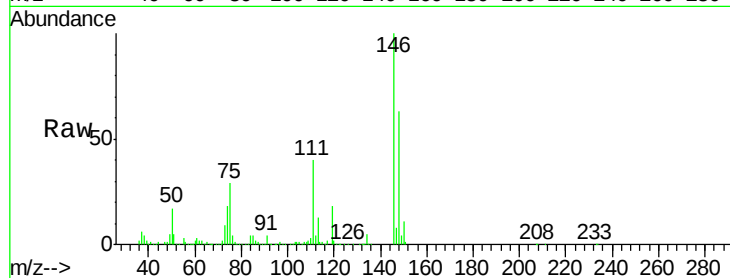




#87
 1,3-Dichlorobenzene
 Concen: 56.568 ug/l
 RT: 12.55 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VF059449.D
 Acq: 6 Jul 2018 14:05

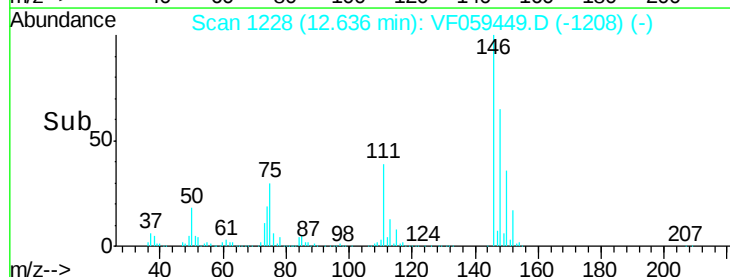
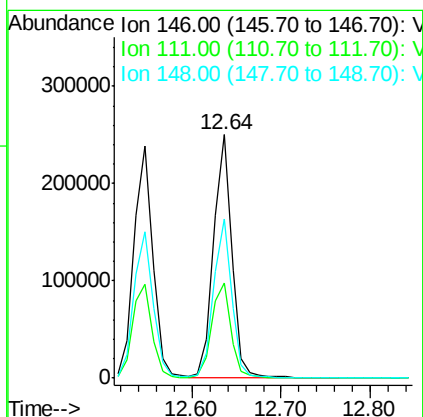
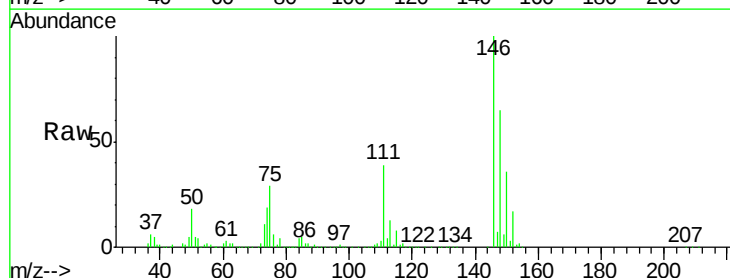
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

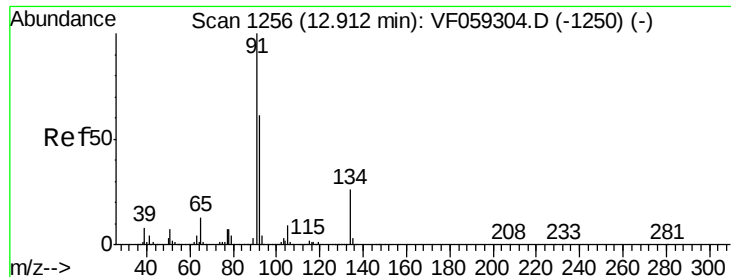
Tot Ion:146 Resp: 350126
 Ion Ratio Lower Upper
 146 100
 111 40.2 21.4 64.2
 148 63.0 32.8 98.4



#88
 1,4-Dichlorobenzene
 Concen: 52.883 ug/l
 RT: 12.64 min Scan# 1228
 Delta R.T. -0.00 min
 Lab File: VF059449.D
 Acq: 6 Jul 2018 14:05

Tgt Ion:146 Resp: 357874
 Ion Ratio Lower Upper
 146 100
 111 38.8 20.7 62.1
 148 65.3 32.8 98.3





#89

n-Butylbenzene

Concen: 53.228 ug/l

RT: 12.90 min Scan# 1255

Delta R.T. -0.01 min

Lab File: VF059449.D

Acq: 6 Jul 2018 14:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

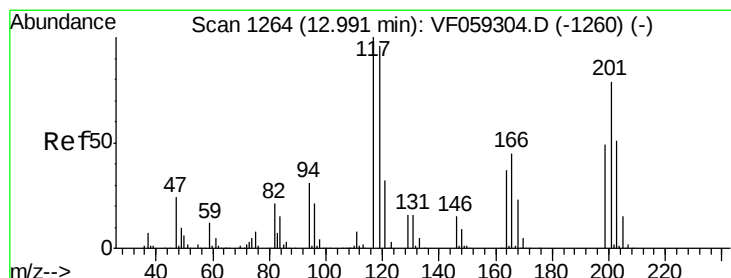
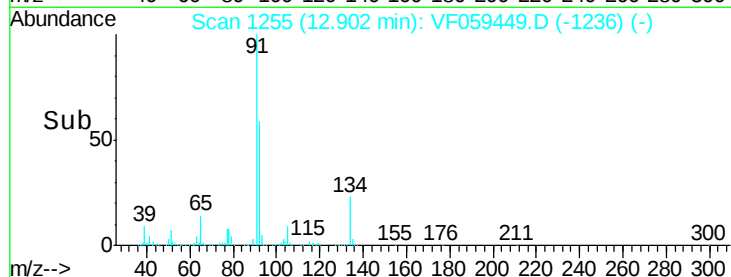
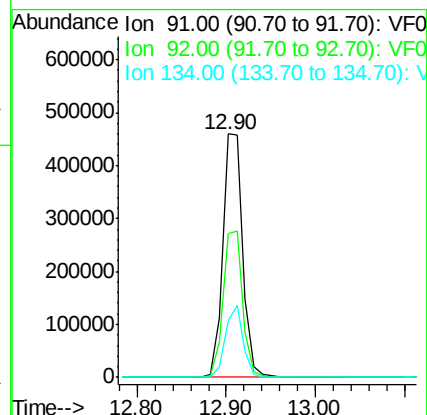
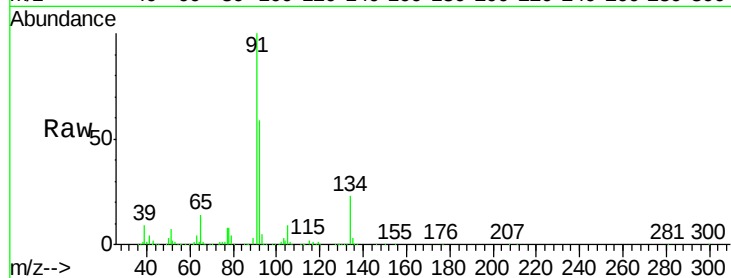
Tot Ion: 91 Resp: 719256

Ion Ratio Lower Upper

91 100

92 59.1 30.3 91.0

134 23.2 12.9 38.7



#90

Hexachloroethane

Concen: 54.723 ug/l

RT: 12.98 min Scan# 1263

Delta R.T. -0.01 min

Lab File: VF059449.D

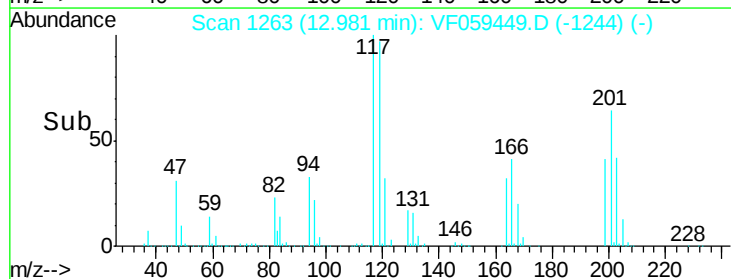
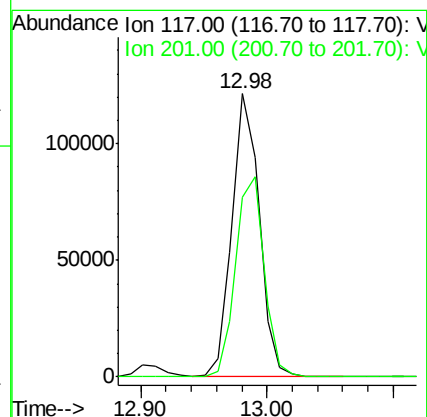
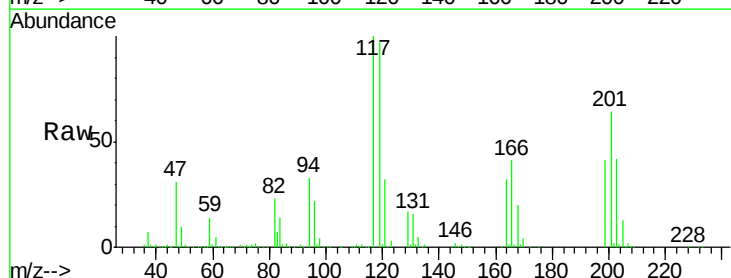
Acq: 6 Jul 2018 14:05

Tgt Ion: 117 Resp: 181547

Ion Ratio Lower Upper

117 100

201 63.7 39.5 118.5





#91

1,2-Dichlorobenzene

Concen: 52.747 ug/l

RT: 13.01 min Scan# 1266

Delta R.T. -0.00 min

Lab File: VF059449.D

Acq: 6 Jul 2018 14:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

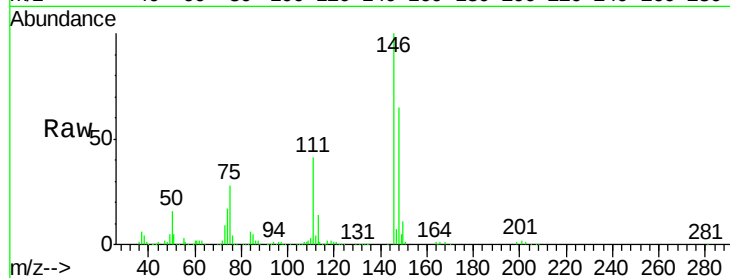
Tot Ion:146 Resp: 362858

Ion Ratio Lower Upper

146 100

111 41.4 22.7 68.0

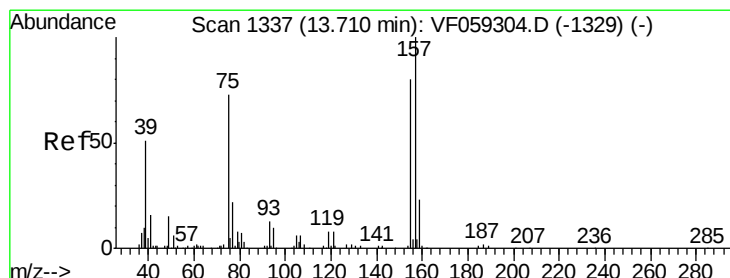
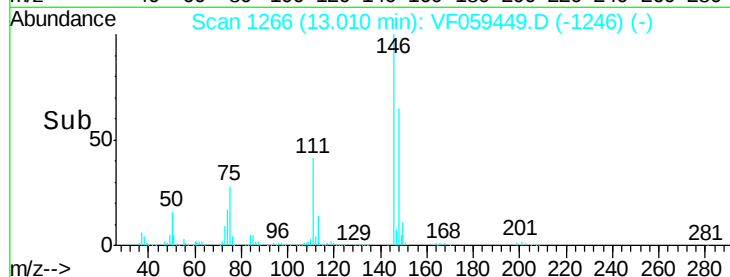
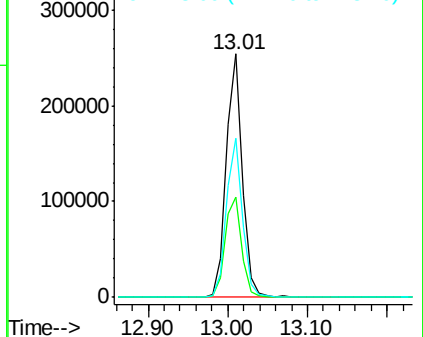
148 65.1 33.5 100.4



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 57.005 ug/l

RT: 13.70 min Scan# 1336

Delta R.T. -0.01 min

Lab File: VF059449.D

Acq: 6 Jul 2018 14:05

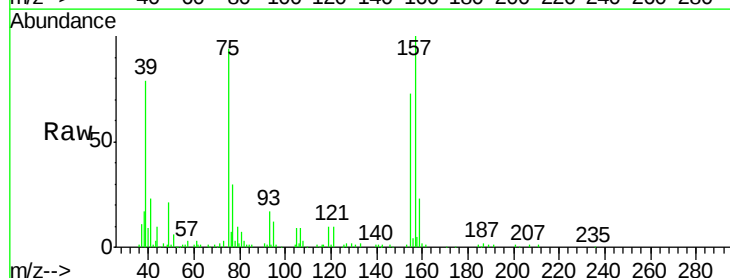
Tgt Ion: 75 Resp: 43589

Ion Ratio Lower Upper

75 100

155 77.7 54.6 163.8

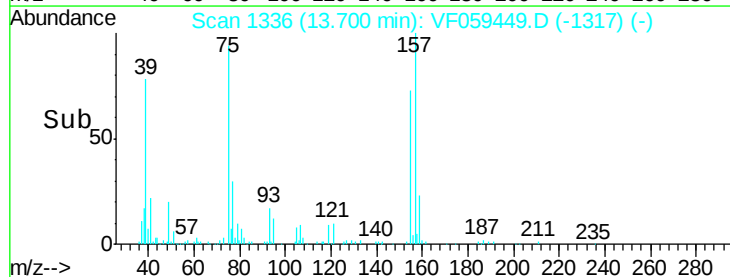
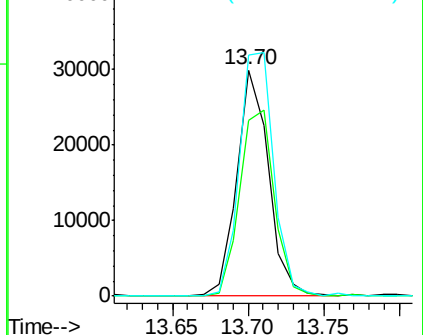
157 106.7 68.7 205.9



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

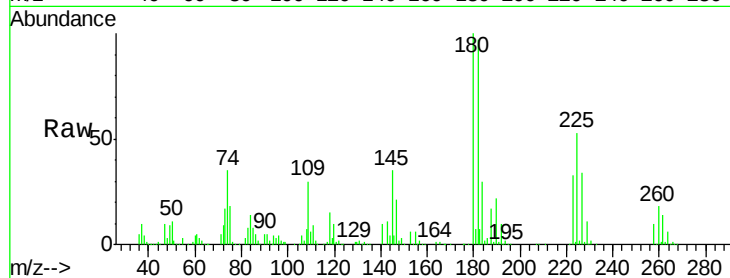




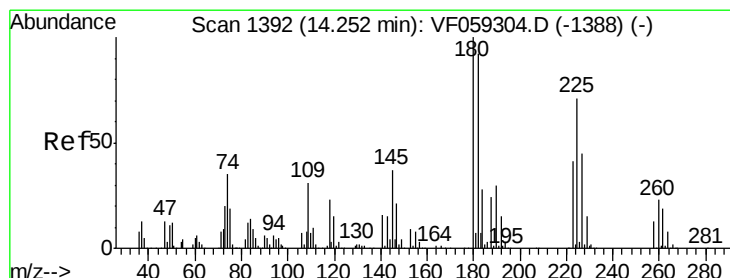
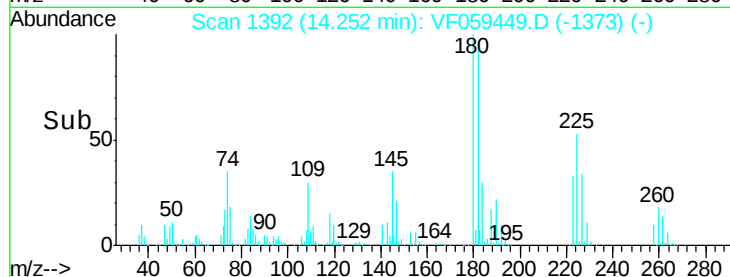
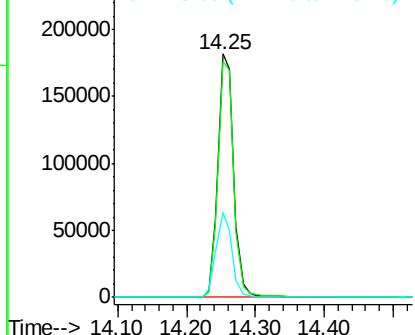
#93
 1,2,4-Trichlorobenzene
 Concen: 57.038 ug/l
 RT: 14.25 min Scan# 1392
 Delta R.T. -0.01 min
 Lab File: VF059449.D
 Acq: 6 Jul 2018 14:05

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion:180 Resp: 290133
 Ion Ratio Lower Upper
 180 100
 182 96.9 48.1 144.3
 145 35.0 15.3 45.8

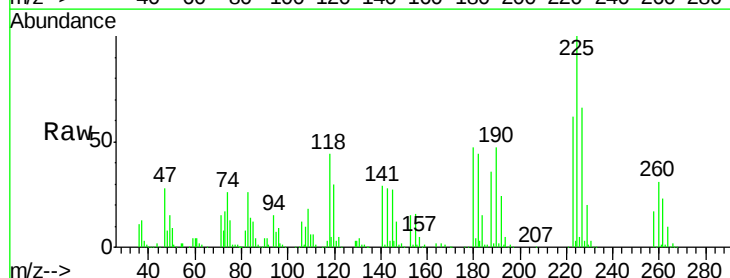


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

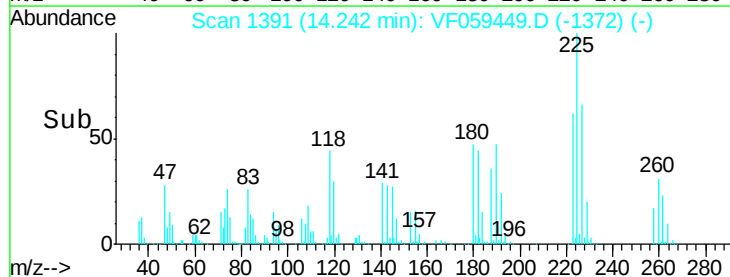
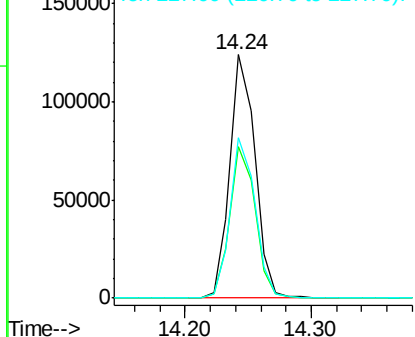


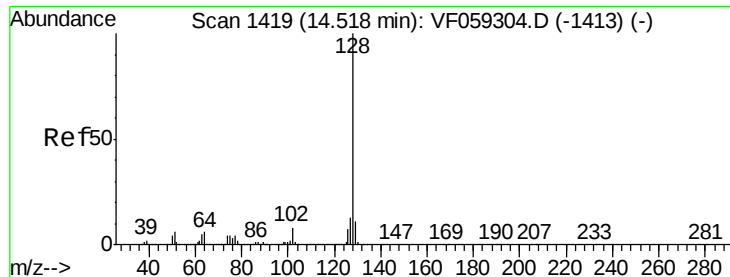
#94
 Hexachlorobutadiene
 Concen: 60.476 ug/l
 RT: 14.24 min Scan# 1391
 Delta R.T. -0.01 min
 Lab File: VF059449.D
 Acq: 6 Jul 2018 14:05

Tgt Ion:225 Resp: 171824
 Ion Ratio Lower Upper
 225 100
 223 62.4 28.9 86.8
 227 65.8 31.3 93.8



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

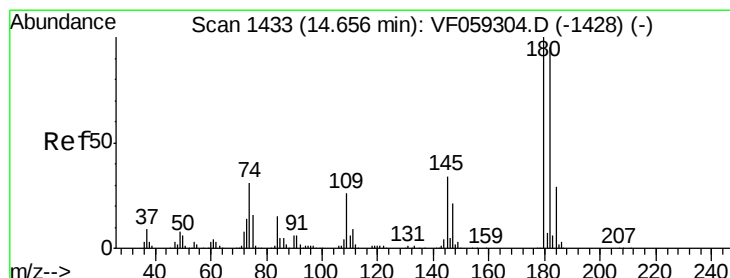
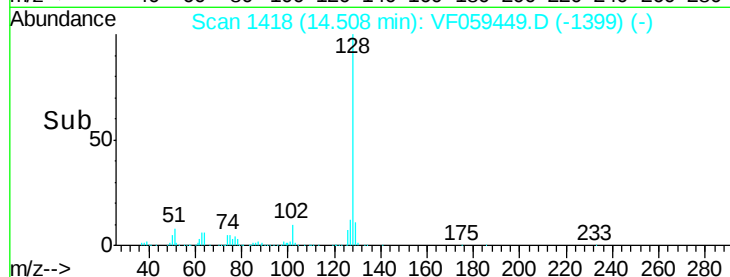
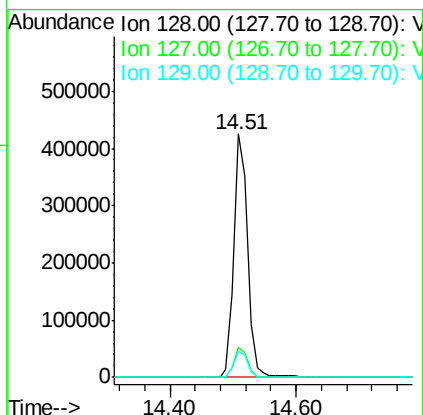
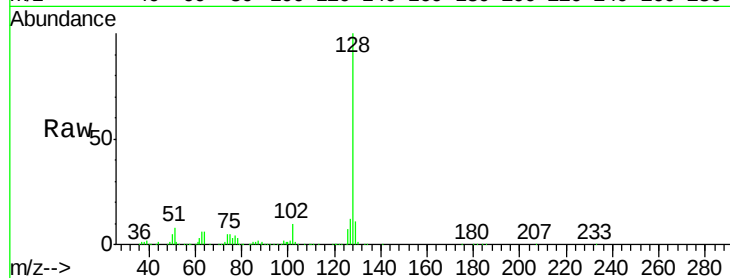




#95
Naphthalene
Concen: 59.465 ug/l
RT: 14.51 min Scan# 1418
Delta R.T. -0.01 min
Lab File: VF059449.D
Acq: 6 Jul 2018 14:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 632862
Ion Ratio Lower Upper
128 100
127 12.4 10.1 15.1
129 10.9 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 59.643 ug/l
RT: 14.66 min Scan# 1433
Delta R.T. -0.00 min
Lab File: VF059449.D
Acq: 6 Jul 2018 14:05

Tgt Ion:180 Resp: 287399
Ion Ratio Lower Upper
180 100
182 96.6 47.5 142.5
145 32.3 17.0 50.9

