

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF071818\
 Data File : VF059543.D
 Acq On : 19 Jul 2018 6:24
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Quant Time: Jul 19 07:10:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F071718S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 18 04:09:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	212247	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.75	114	325392	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.91	117	338127	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.62	152	213756	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.00	65	190400	57.68	ug/l	-0.03
Spiked Amount						
			Recovery	=	115.36%	
35) Dibromofluoromethane	4.28	113	151673	53.82	ug/l	-0.02
Spiked Amount						
			Recovery	=	107.64%	
50) Toluene-d8	7.71	98	370697	52.22	ug/l	-0.02
Spiked Amount						
			Recovery	=	104.44%	
62) 4-Bromofluorobenzene	11.50	95	211123	56.69	ug/l	-0.02
Spiked Amount						
			Recovery	=	113.38%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.98	85	128351	49.357	ug/l	88
3) Chloromethane	1.08	50	68063	47.568	ug/l	89
4) Vinyl Chloride	1.15	62	74277	51.448	ug/l	97
5) Bromomethane	1.34	94	55010	54.979	ug/l	92
6) Chloroethane	1.43	64	41550	57.075	ug/l #	89
7) Trichlorofluoromethane	1.52	101	82569	23.368	ug/l	97
8) Diethyl Ether	1.69	74	35955	52.881	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	1.90	101	94704	63.466	ug/l	92
10) Methyl Iodide	1.96	142	105899	40.540	ug/l	94
11) Tert butyl alcohol	2.68	59	34263	245.908	ug/l	97
12) 1,1-Dichloroethene	1.85	96	78042	49.180	ug/l	95
13) Acrolein	2.09	56	15883	276.023	ug/l	85
14) Allyl chloride	2.19	41	140559	70.977	ug/l	94
15) Acrylonitrile	3.06	53	77217	278.811	ug/l	97
16) Acetone	2.32	43	136977	281.272	ug/l	97
17) Carbon Disulfide	1.83	76	63948	15.726	ug/l	100
18) Methyl Acetate	2.44	43	56998	56.951	ug/l	94
19) Methyl tert-butyl Ether	2.53	73	256566	51.539	ug/l	98
20) Methylene Chloride	2.27	84	83530	56.703	ug/l #	78
21) trans-1,2-Dichloroethene	2.40	96	76219	51.948	ug/l	87
22) Diisopropyl ether	2.91	45	276533	49.685	ug/l	92
23) Vinyl Acetate	3.32	43	812671	249.872	ug/l #	95
24) 1,1-Dichloroethane	2.99	63	194174	56.493	ug/l	99
25) 2-Butanone	4.50	43	171511	223.792	ug/l	99
26) 2,2-Dichloropropane	3.75	77	125174	55.047	ug/l	97
27) cis-1,2-Dichloroethene	3.62	96	103200	60.437	ug/l	95
28) Bromochloromethane	3.88	49	77265	51.070	ug/l	96
29) Tetrahydrofuran	4.25	42	77580	248.634	ug/l	98
30) Chloroform	4.03	83	267289	53.831	ug/l	96
31) Cyclohexane	3.85	56	102981	57.843	ug/l	93
32) 1,1,1-Trichloroethane	4.26	97	208374	64.578	ug/l	97
36) 1,1-Dichloropropene	4.45	75	156922	48.181	ug/l #	91
37) Ethyl Acetate	4.27	43	82074	46.368	ug/l #	4
38) Carbon Tetrachloride	4.16	117	241774	64.777	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	133507	54.013	ug/l	93
40) Benzene	4.80	78	296194	46.877	ug/l	97
41) Methacrylonitrile	4.91	41	42321	45.311	ug/l #	91
42) 1,2-Dichloroethane	5.10	62	218358	52.612	ug/l	99
43) Isopropyl Acetate	7.10	43	107629	45.988	ug/l #	99
44) Trichloroethene	5.66	130	111016	47.466	ug/l	95
45) 1,2-Dichloropropane	6.39	63	89673	51.131	ug/l	95
46) Dibromomethane	6.25	93	81983	51.331	ug/l	97
47) Bromodichloromethane	6.53	83	218384	53.119	ug/l	94
48) Methyl methacrylate	6.86	41	75482	45.159	ug/l	95
49) 1,4-Dioxane	6.86	88	9128	1235.577	ug/l #	75
51) 4-Methyl-2-Pentanone	8.40	43	379009	228.461	ug/l	100
52) Toluene	7.77	92	232865	50.816	ug/l	99
53) t-1,3-Dichloropropene	8.41	75	187397	49.555	ug/l	96
54) cis-1,3-Dichloropropene	7.45	75	191603	50.886	ug/l	98
55) 1,1,2-Trichloroethane	8.63	97	93965	52.922	ug/l	95
56) Ethyl methacrylate	8.75	69	110652	50.253	ug/l	97
57) 1,3-Dichloropropane	8.99	76	157763	50.249	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.76	63	48553	249.759	ug/l	100
59) 2-Hexanone	9.62	43	296302	236.326	ug/l	95
60) Dibromochloromethane	8.85	129	163270	54.563	ug/l	96
61) 1,2-Dibromoethane	9.12	107	114192	51.832	ug/l	99
64) Tetrachloroethene	8.30	164	124410	49.409	ug/l	95
65) Chlorobenzene	9.93	112	321345	50.675	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.06	131	144714	50.102	ug/l	94
67) Ethyl Benzene	10.03	91	552547	48.951	ug/l	97
68) m/p-Xylenes	10.26	106	386690	97.062	ug/l	97
69) o-Xylene	10.82	106	218345	51.469	ug/l	94
70) Styrene	10.90	104	323154	49.558	ug/l	98
71) Bromoform	10.88	173	97708	48.700	ug/l	92
73) Isopropylbenzene	11.22	105	621641	46.087	ug/l	100
74) N-amyl acetate	11.46	43	186260	43.117	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.78	83	136193	46.294	ug/l	97
76) 1,2,3-Trichloropropane	11.87	75	111518	46.420	ug/l	90
77) Bromobenzene	11.59	156	179094	47.370	ug/l	93
78) n-propylbenzene	11.68	91	777384	50.244	ug/l	97
79) 2-Chlorotoluene	11.81	91	467265	49.029	ug/l	98
80) 1,3,5-Trimethylbenzene	11.90	105	548215	48.505	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.95	75	61345	55.899	ug/l	92
82) 4-Chlorotoluene	11.98	91	525407	49.202	ug/l	94
83) tert-Butylbenzene	12.21	119	544854	50.228	ug/l	96
84) 1,2,4-Trimethylbenzene	12.28	105	585326	50.337	ug/l	97
85) sec-Butylbenzene	12.38	105	718853	52.108	ug/l	94
86) p-Isopropyltoluene	12.54	119	619815	51.638	ug/l	98
87) 1,3-Dichlorobenzene	12.55	146	316487	48.795	ug/l	97
88) 1,4-Dichlorobenzene	12.64	146	316189	49.472	ug/l	96
89) n-Butylbenzene	12.91	91	583896	51.979	ug/l	96
90) Hexachloroethane	12.99	117	153898	56.445	ug/l	98
91) 1,2-Dichlorobenzene	13.02	146	313114	50.475	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.71	75	30853	46.291	ug/l	86

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Quant Title : SW846 8260
QLast Update : Wed Jul 18 04:09:10 2018
Response via : Initial Calibration

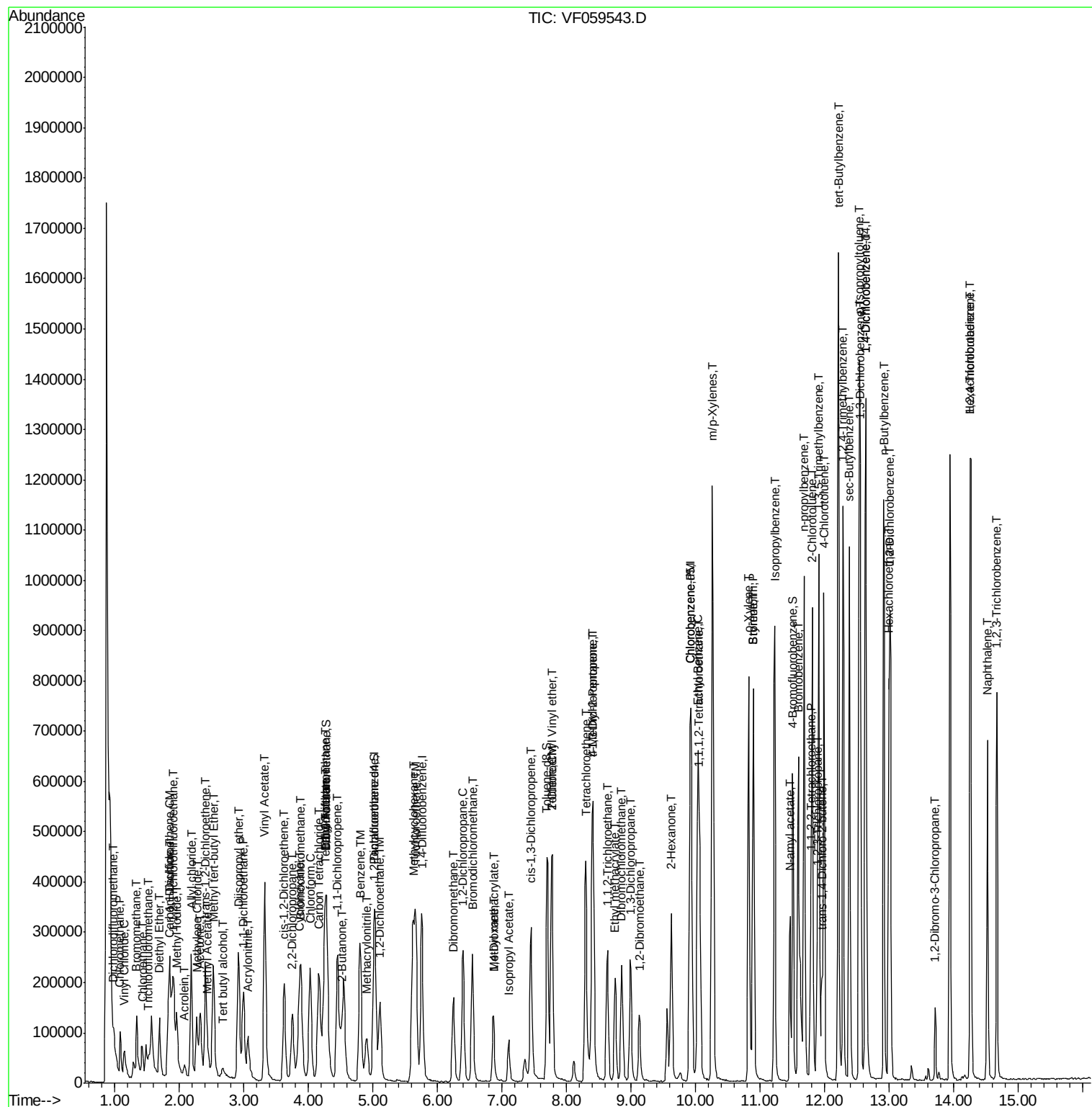
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	226193	60.009	ug/l	99
94) Hexachlorobutadiene	14.25	225	135010	69.919	ug/l	100
95) Naphthalene	14.52	128	455383	58.155	ug/l	100
96) 1,2,3-Trichlorobenzene	14.66	180	222786	65.415	ug/l	96

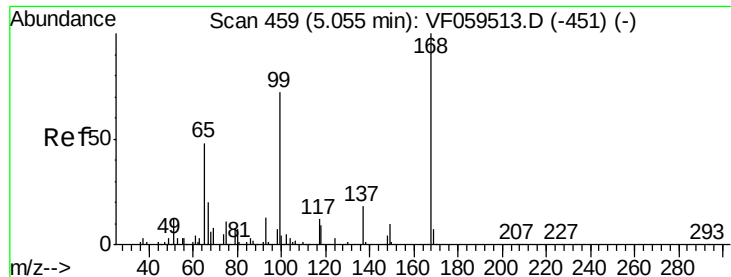
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.03 min Scan# 457

Delta R.T. -0.02 min

Lab File: VF059543.D

Acq: 19 Jul 2018 6:24

Instrument :

MSVOA_F

ClientSampleId :

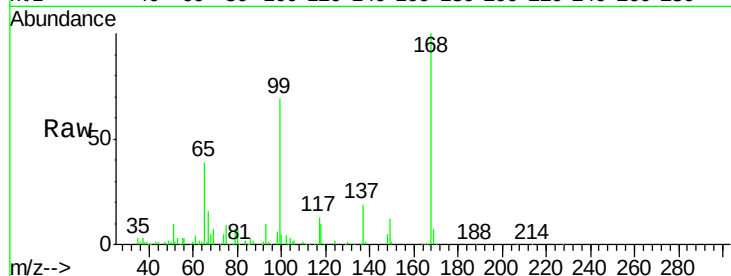
VSTDCCC050

Tot Ion:168 Resp: 212247

Ion Ratio Lower Upper

168 100

99 69.4 57.6 86.4



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.03

80000

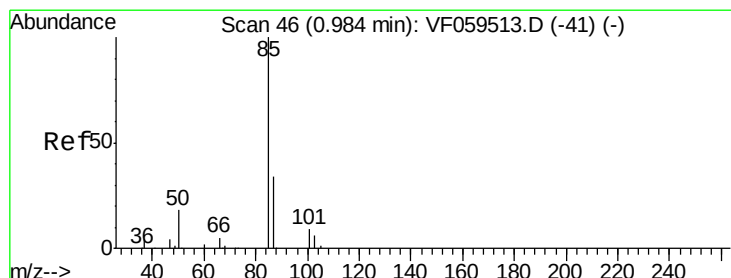
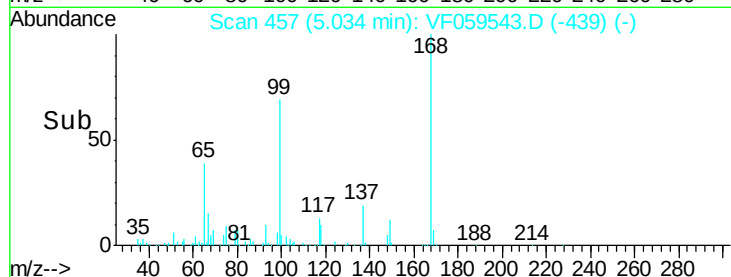
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 49.357 ug/l

RT: 0.98 min Scan# 46

Delta R.T. -0.00 min

Lab File: VF059543.D

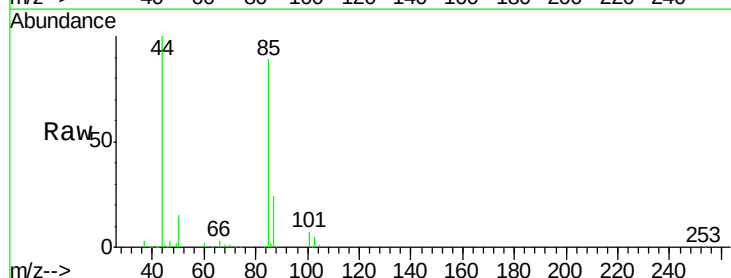
Acq: 19 Jul 2018 6:24

Tgt Ion: 85 Resp: 128351

Ion Ratio Lower Upper

85 100

87 27.1 16.9 50.6



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.98

40000

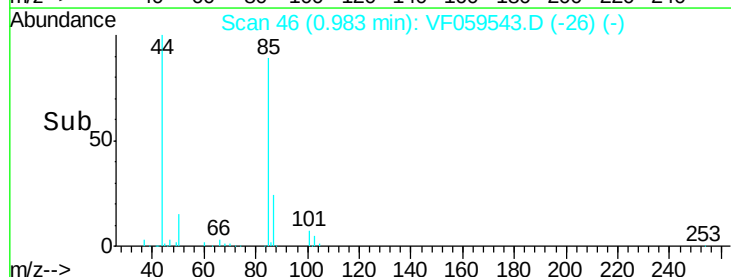
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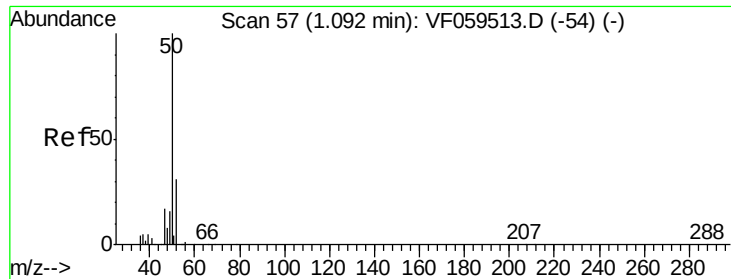
20000

10000

0

Time-->





#3

Chloromethane

Concen: 47.568 ug/l

RT: 1.08 min Scan# 56

Delta R.T. -0.01 min

Lab File: VF059543.D

Acq: 19 Jul 2018 6:24

Instrument :

MSVOA_F

ClientSampleId :

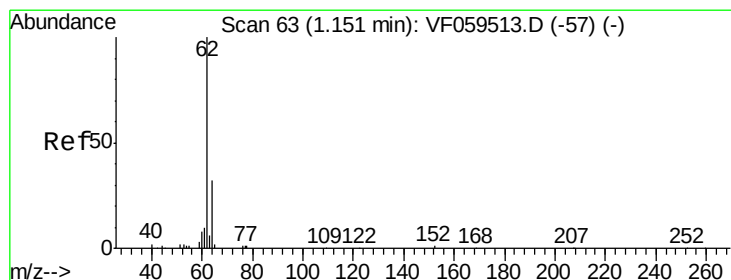
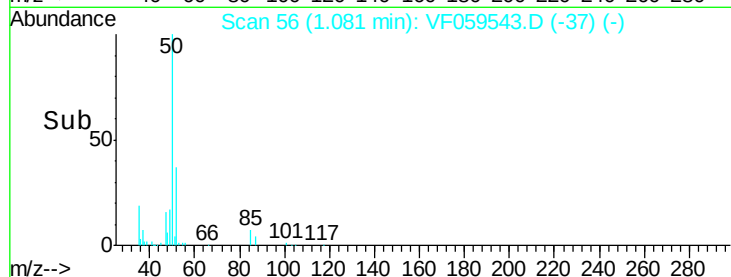
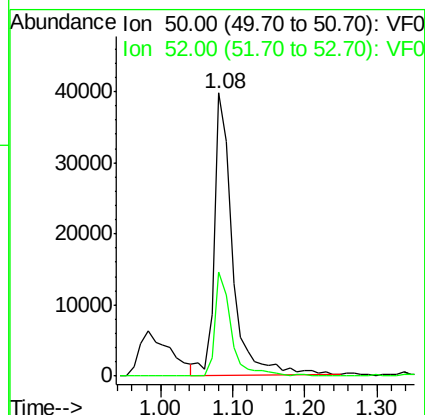
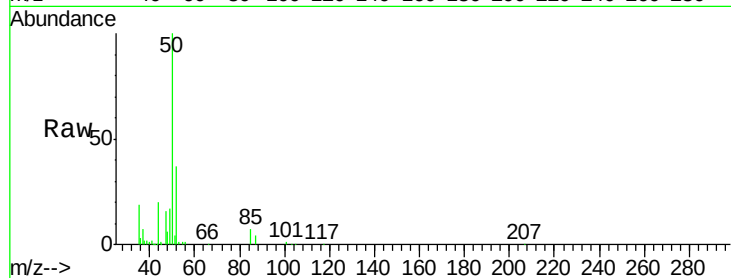
VSTDCCC050

Tot Ion: 50 Resp: 68063

Ion Ratio Lower Upper

50 100

52 36.6 24.6 37.0



#4

Vinyl Chloride

Concen: 51.448 ug/l

RT: 1.15 min Scan# 63

Delta R.T. -0.00 min

Lab File: VF059543.D

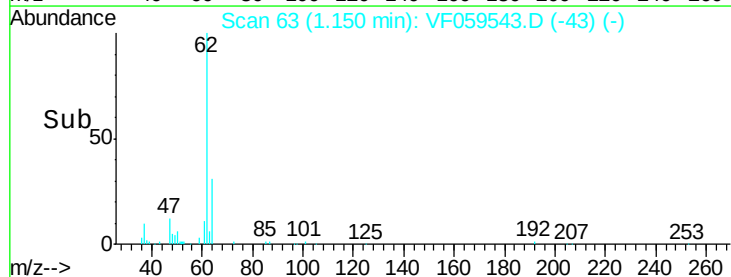
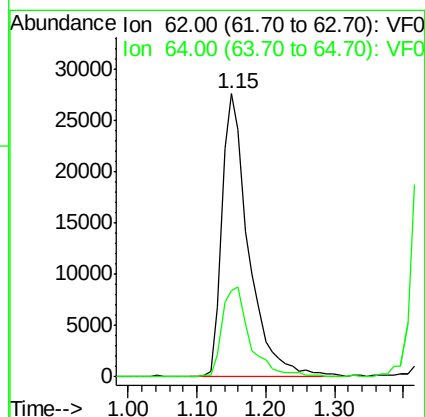
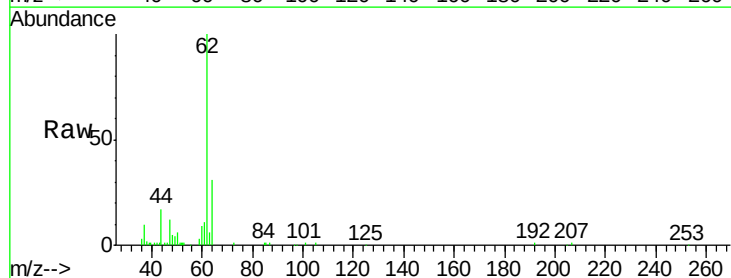
Acq: 19 Jul 2018 6:24

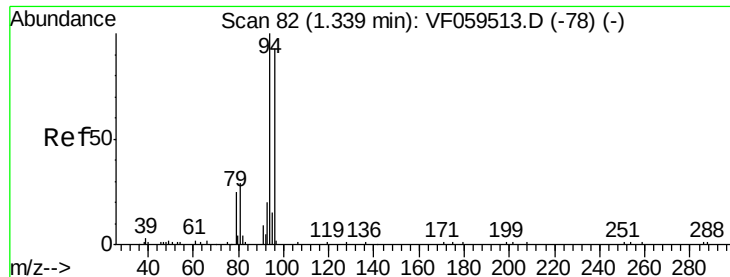
Tgt Ion: 62 Resp: 74277

Ion Ratio Lower Upper

62 100

64 30.7 25.7 38.5





#5

Bromomethane

Concen: 54.979 ug/l

RT: 1.34 min Scan# 82

Delta R.T. -0.00 min

Lab File: VF059543.D

Acq: 19 Jul 2018 6:24

Instrument :

MSVOA_F

ClientSampleId :

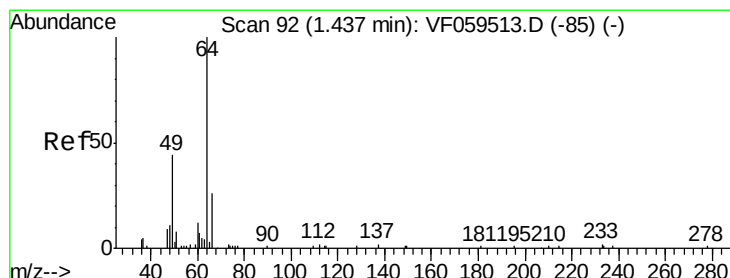
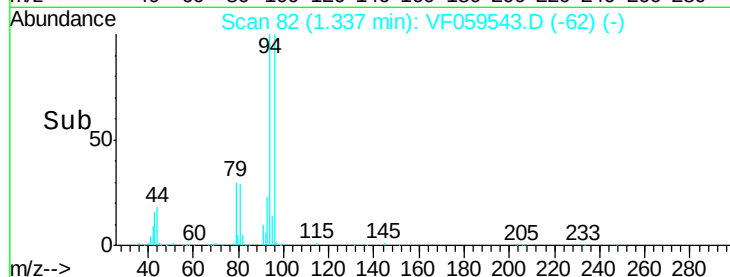
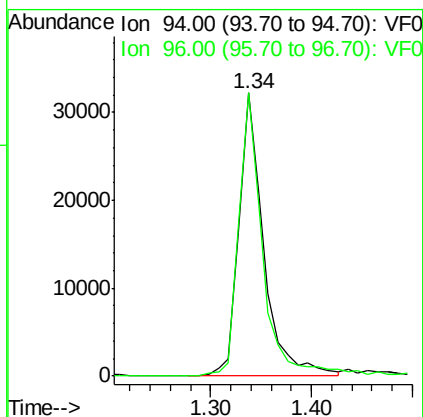
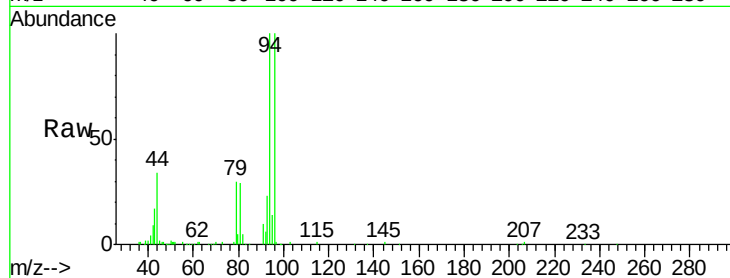
VSTDCCC050

Tot Ion: 94 Resp: 55010

Ion Ratio Lower Upper

94 100

96 100.1 74.2 111.2



#6

Chloroethane

Concen: 57.075 ug/l

RT: 1.43 min Scan# 91

Delta R.T. -0.01 min

Lab File: VF059543.D

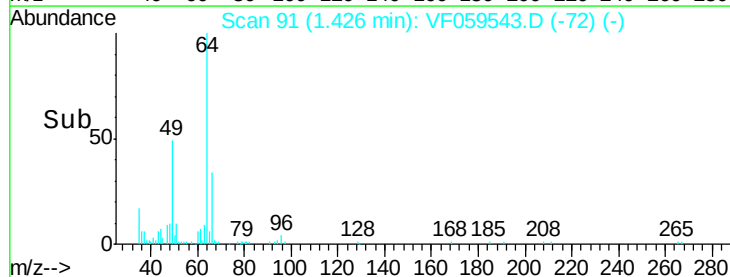
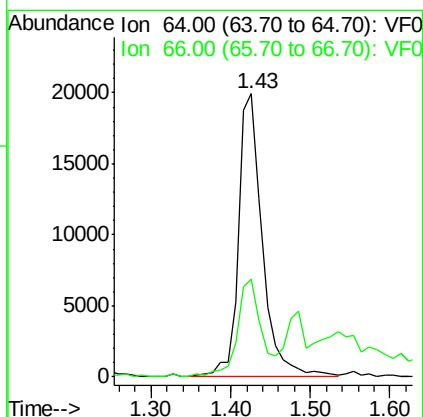
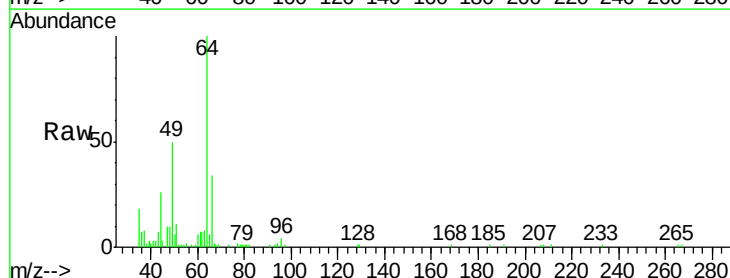
Acq: 19 Jul 2018 6:24

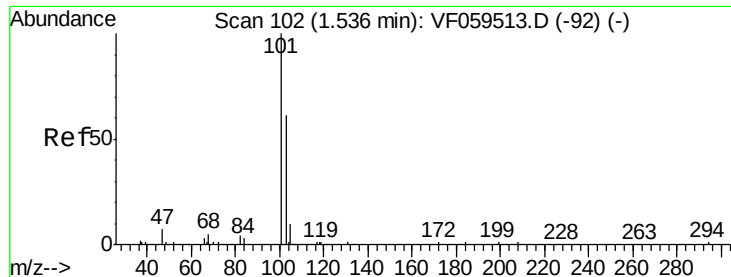
Tgt Ion: 64 Resp: 41550

Ion Ratio Lower Upper

64 100

66 34.4 22.9 34.3#



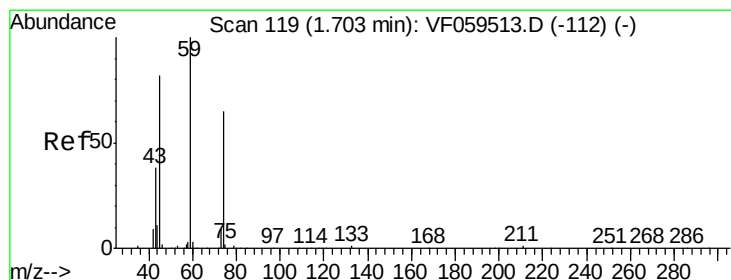
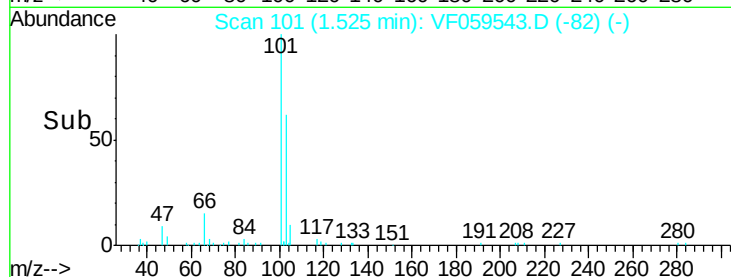
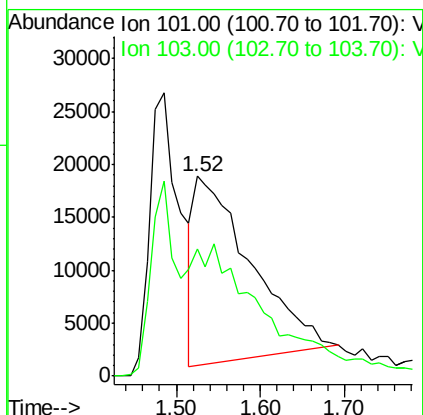
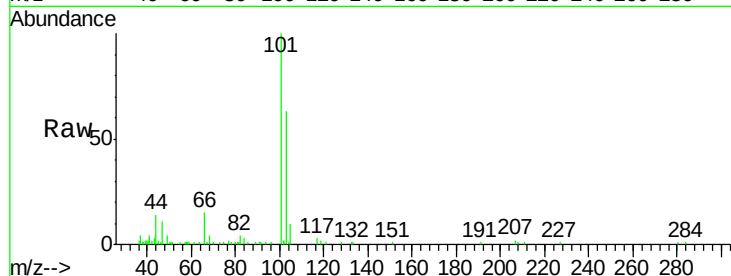


#7

Trichlorofluoromethane
Concen: 23.368 ug/l
RT: 1.52 min Scan# 101
Delta R.T. -0.01 min
Lab File: VF059543.D
Acq: 19 Jul 2018 6:24

Instrument :
MSVOA_F
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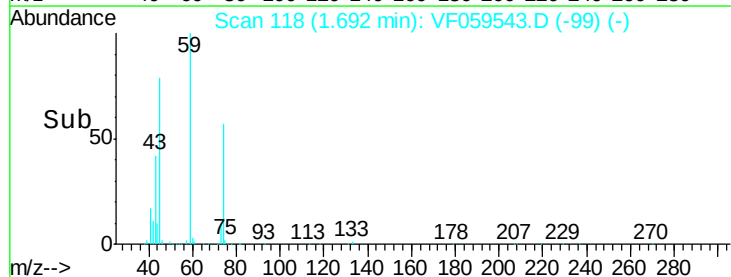
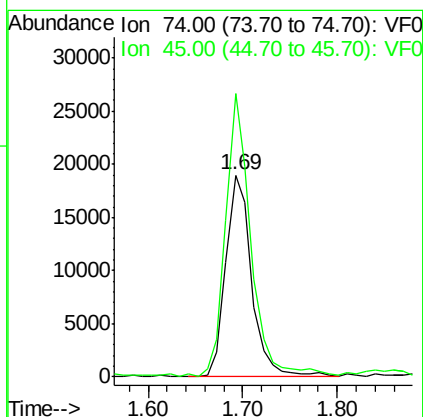
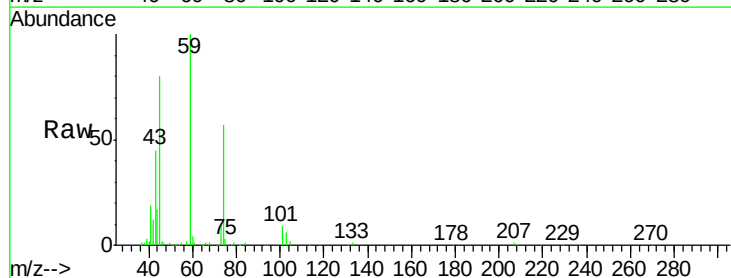
Tot Ion:101 Resp: 82569
Ion Ratio Lower Upper
101 100
103 63.3 48.6 72.8

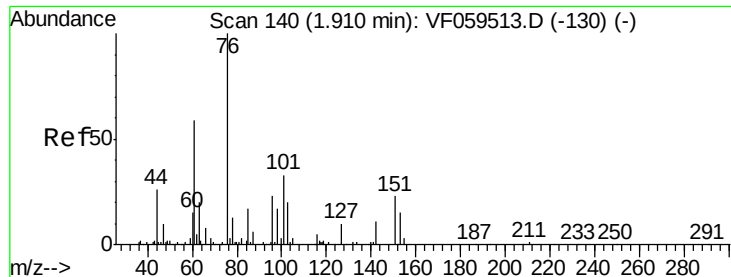


#8

Diethyl Ether
Concen: 52.881 ug/l
RT: 1.69 min Scan# 118
Delta R.T. -0.01 min
Lab File: VF059543.D
Acq: 19 Jul 2018 6:24

Tgt Ion: 74 Resp: 35955
Ion Ratio Lower Upper
74 100
45 140.1 63.6 190.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 63.466 ug/l

RT: 1.90 min Scan# 139

Delta R.T. -0.01 min

Lab File: VF059543.D

Acq: 19 Jul 2018 6:24

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

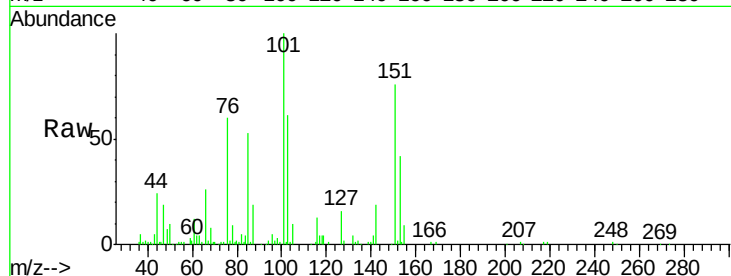
Tot Ion:101 Resp: 94704

Ion Ratio Lower Upper

101 100

85 52.7 39.8 59.6

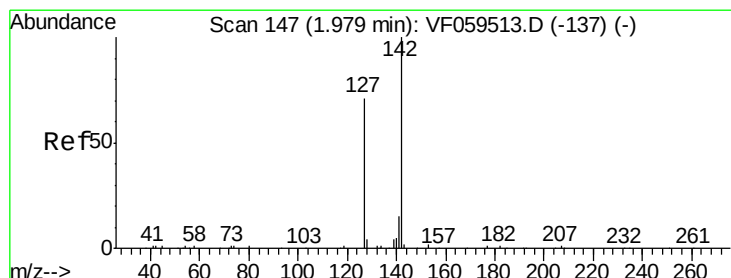
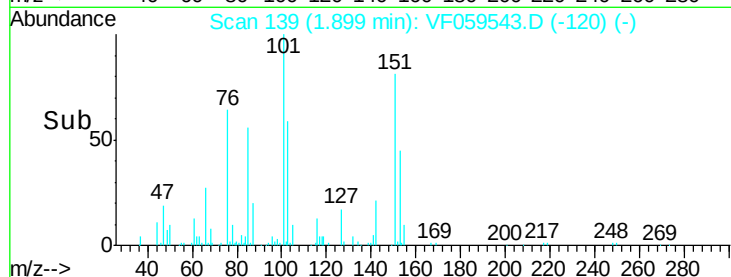
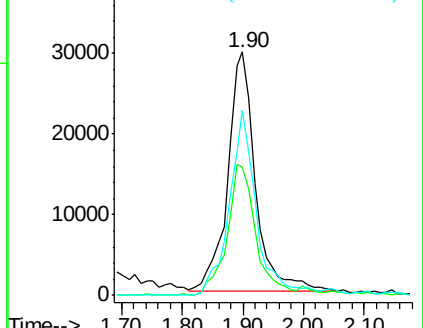
151 75.8 54.2 81.2



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: 40.540 ug/l

RT: 1.96 min Scan# 145

Delta R.T. -0.02 min

Lab File: VF059543.D

Acq: 19 Jul 2018 6:24

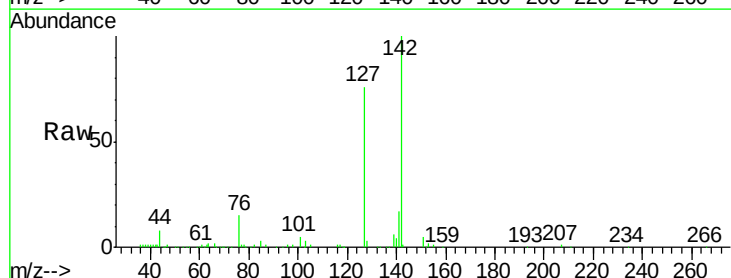
Tgt Ion:142 Resp: 105899

Ion Ratio Lower Upper

142 100

127 75.8 56.4 84.6

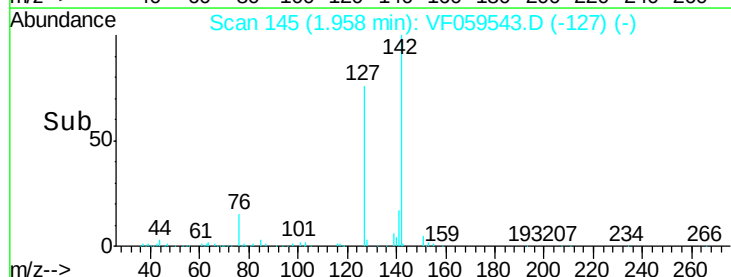
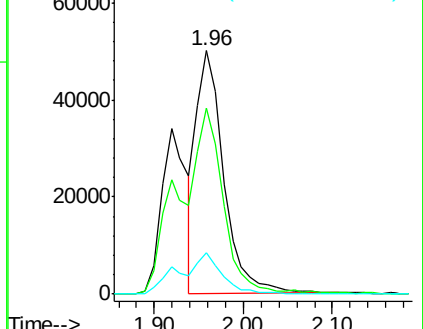
141 16.7 12.0 18.0

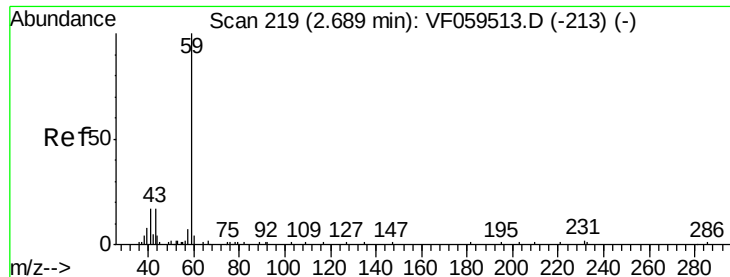


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V

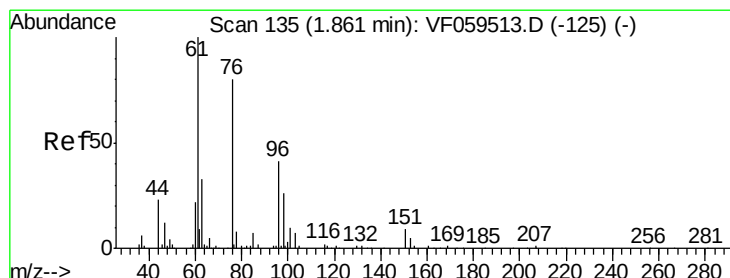
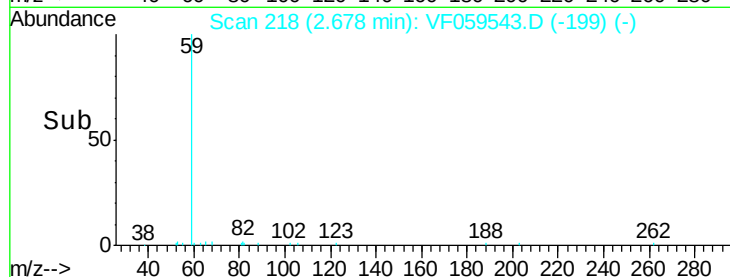
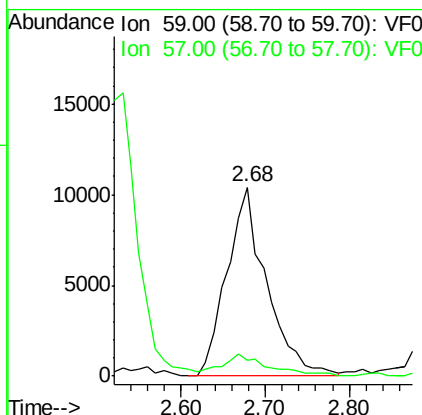
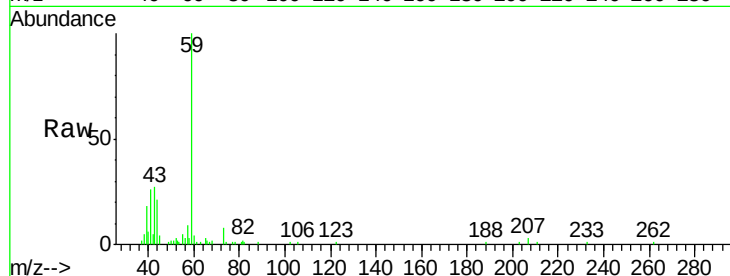




#11
Tert butyl alcohol
Concen: 245.908 ug/l
RT: 2.68 min Scan# 218
Delta R.T. -0.01 min
Lab File: VF059543.D
Acq: 19 Jul 2018 6:24

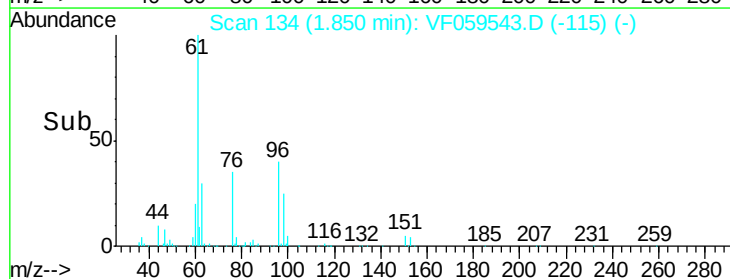
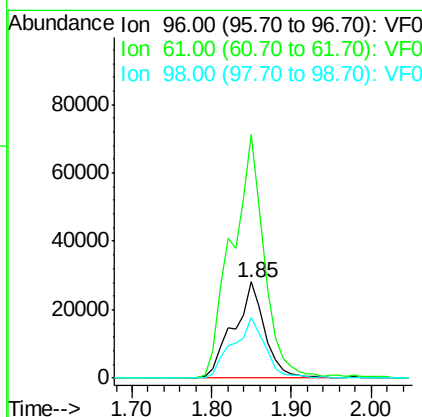
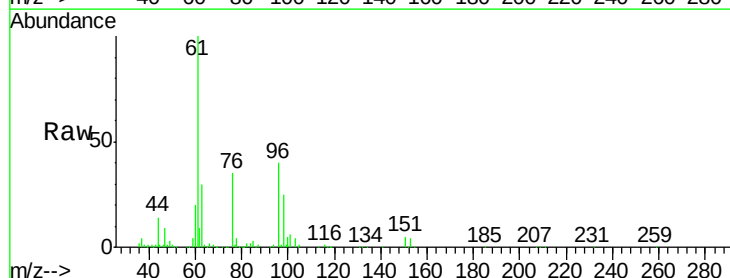
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

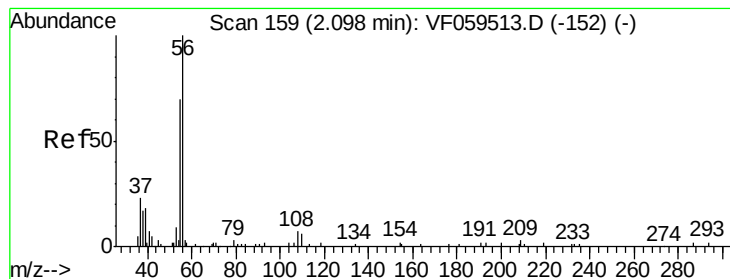
Tot Ion: 59 Resp: 34263
Ion Ratio Lower Upper
59 100
57 8.7 7.7 11.5



#12
1,1-Dichloroethene
Concen: 49.180 ug/l
RT: 1.85 min Scan# 134
Delta R.T. -0.01 min
Lab File: VF059543.D
Acq: 19 Jul 2018 6:24

Tgt Ion: 96 Resp: 78042
Ion Ratio Lower Upper
96 100
61 253.0 194.3 291.5
98 62.7 50.3 75.5





#13

Acrolein

Concen: 276.023 ug/l

RT: 2.09 min Scan# 158

Delta R.T. -0.01 min

Lab File: VF059543.D

Acq: 19 Jul 2018 6:24

Instrument :

MSVOA_F

ClientSampleId :

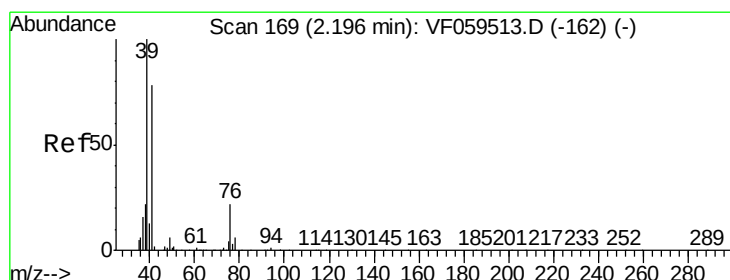
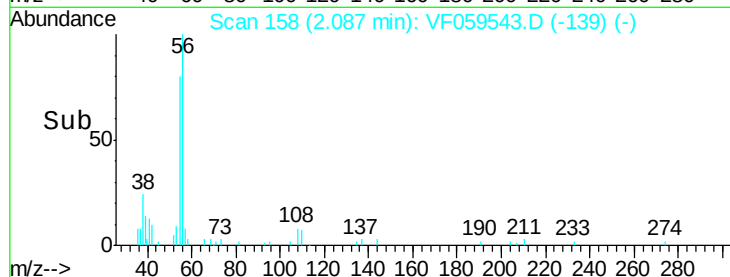
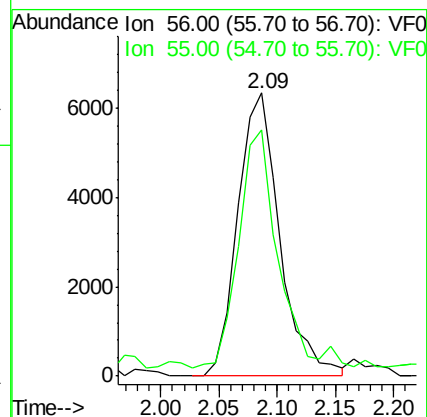
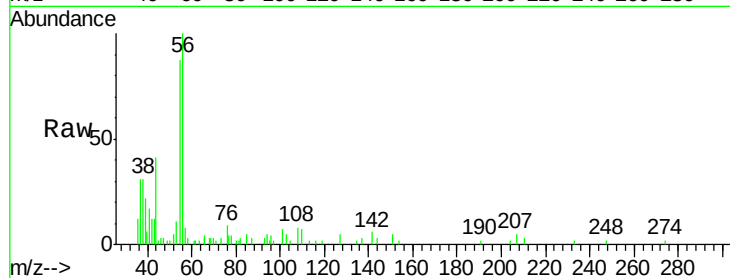
VSTDCCC050

Tot Ion: 56 Resp: 15883

Ion Ratio Lower Upper

56 100

55 87.1 59.4 89.2



#14

Allyl chloride

Concen: 70.977 ug/l

RT: 2.19 min Scan# 168

Delta R.T. -0.01 min

Lab File: VF059543.D

Acq: 19 Jul 2018 6:24

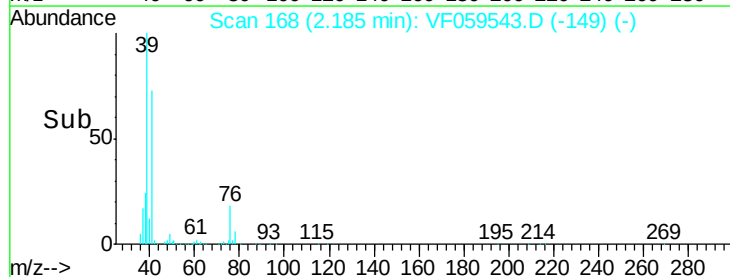
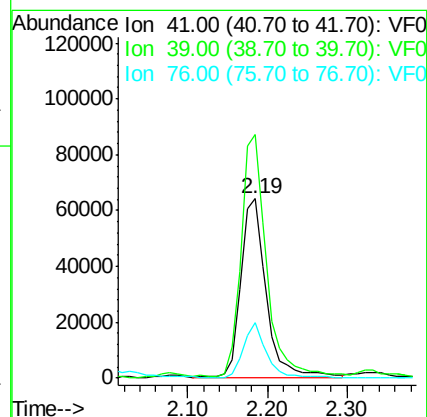
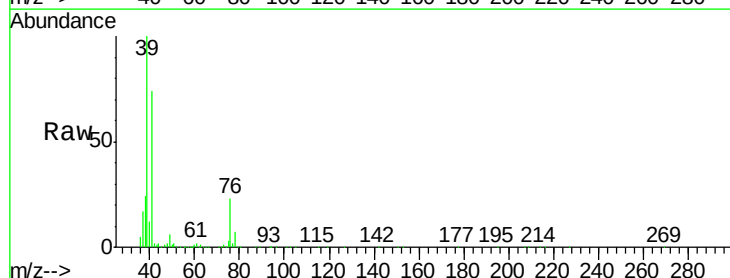
Tgt Ion: 41 Resp: 140559

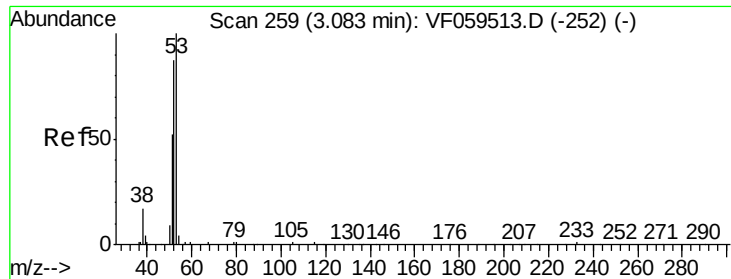
Ion Ratio Lower Upper

41 100

39 135.7 103.0 154.4

76 30.6 22.6 34.0





#15

Acrylonitrile

Concen: 278.811 ug/l

RT: 3.06 min Scan# 257

Delta R.T. -0.02 min

Lab File: VF059543.D

Acq: 19 Jul 2018 6:24

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

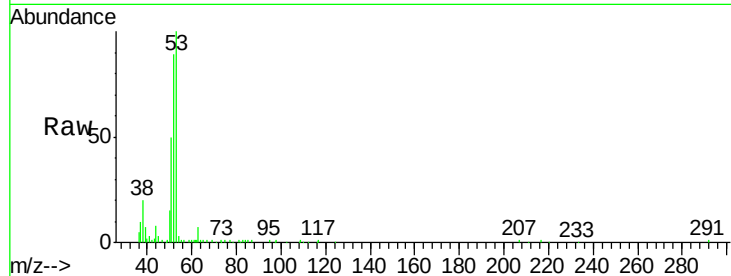
Tot Ion: 53 Resp: 77217

Ion Ratio Lower Upper

53 100

52 89.0 70.1 105.1

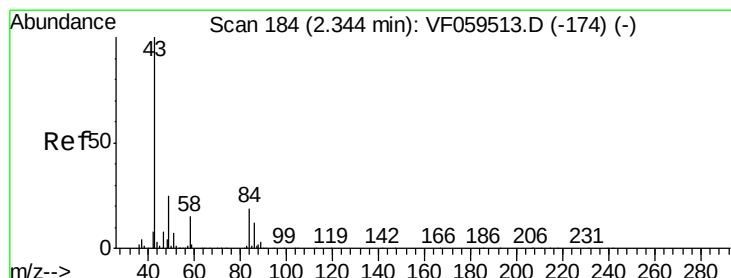
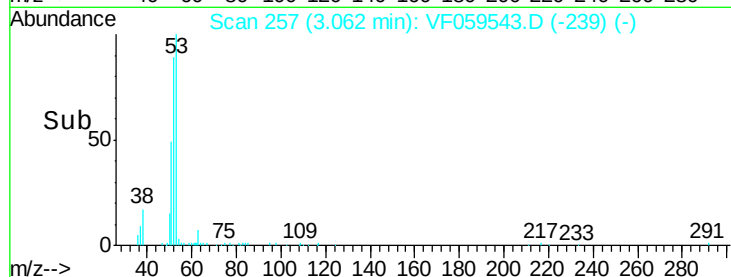
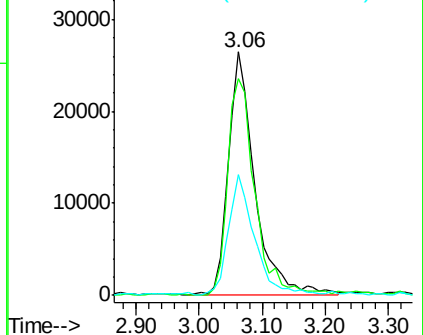
51 49.8 42.5 63.7



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: 281.272 ug/l

RT: 2.32 min Scan# 182

Delta R.T. -0.02 min

Lab File: VF059543.D

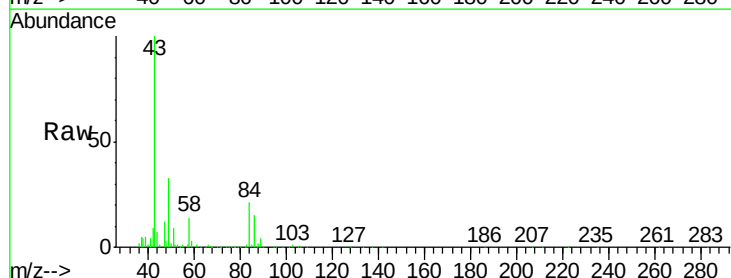
Acq: 19 Jul 2018 6:24

Tgt Ion: 43 Resp: 136977

Ion Ratio Lower Upper

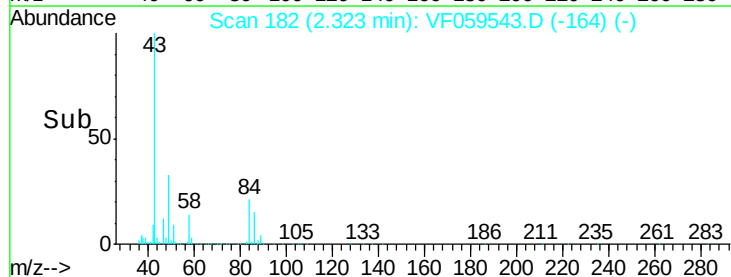
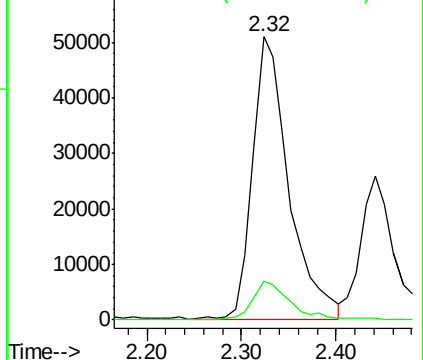
43 100

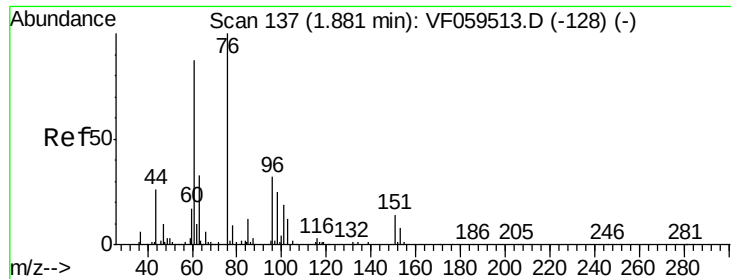
58 13.6 11.8 17.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

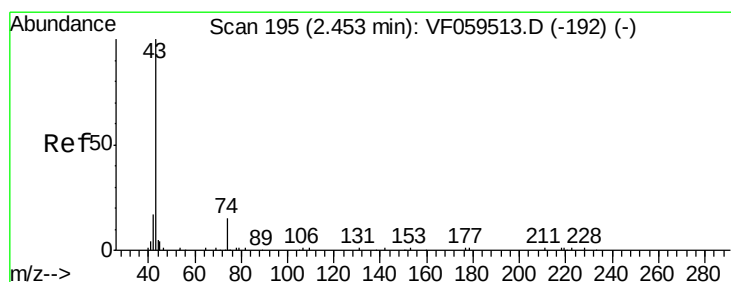
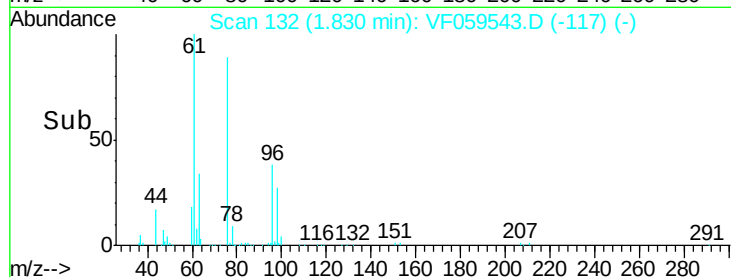
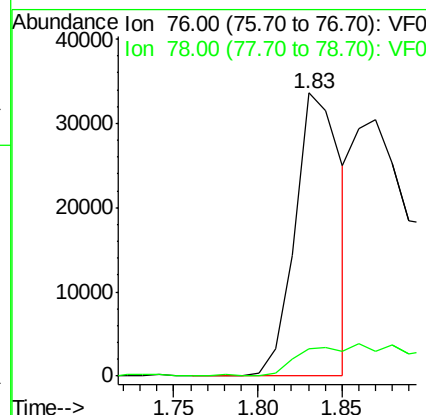
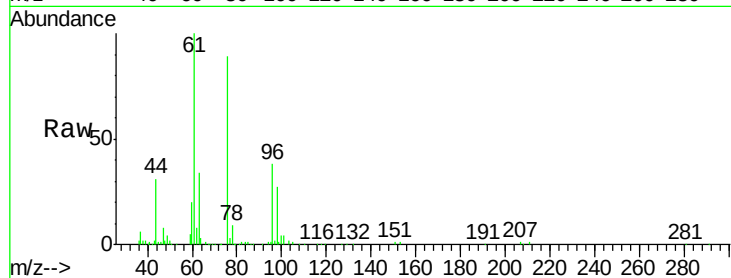




#17
Carbon Disulfide
Concen: 15.726 ug/l
RT: 1.83 min Scan# 132
Delta R.T. -0.05 min
Lab File: VF059543.D
Acq: 19 Jul 2018 6:24

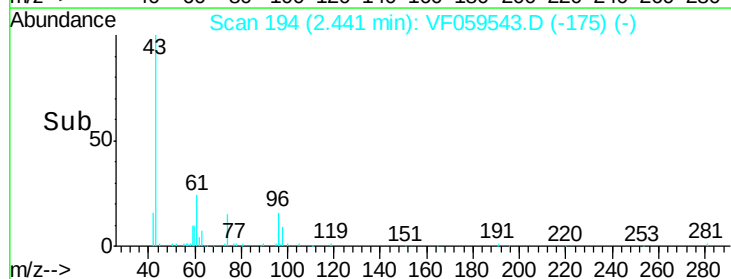
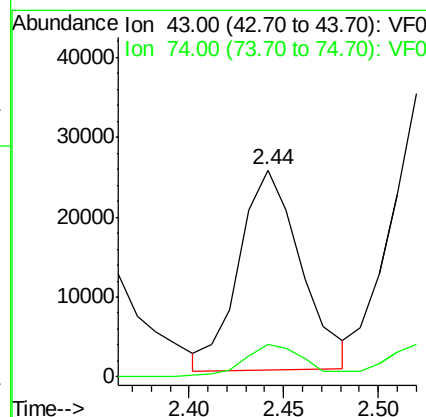
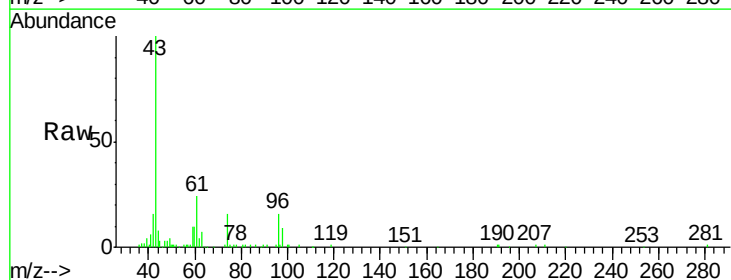
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

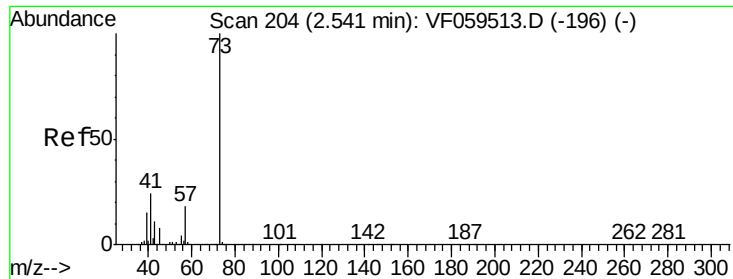
Tot Ion: 76 Resp: 63948
Ion Ratio Lower Upper
76 100
78 9.8 7.8 11.6



#18
Methyl Acetate
Concen: 56.951 ug/l
RT: 2.44 min Scan# 194
Delta R.T. -0.01 min
Lab File: VF059543.D
Acq: 19 Jul 2018 6:24

Tgt Ion: 43 Resp: 56998
Ion Ratio Lower Upper
43 100
74 15.5 10.6 15.8

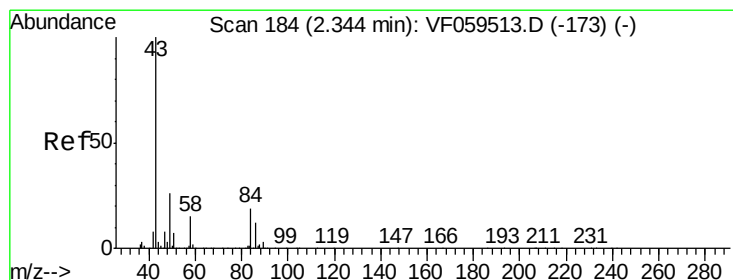
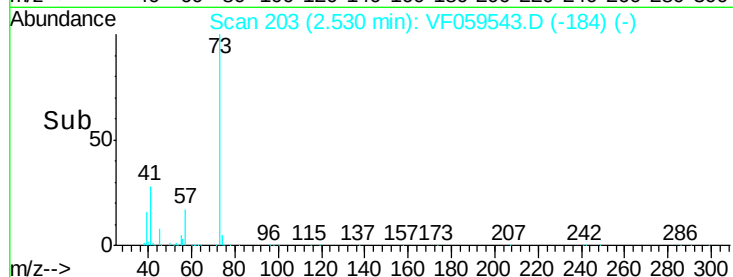
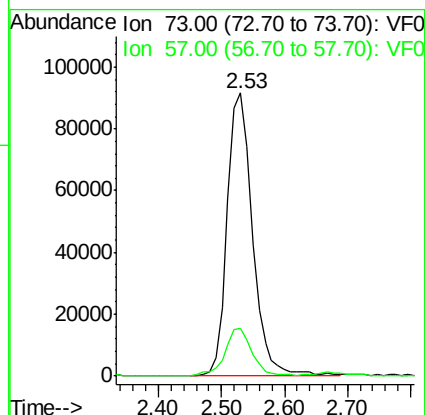
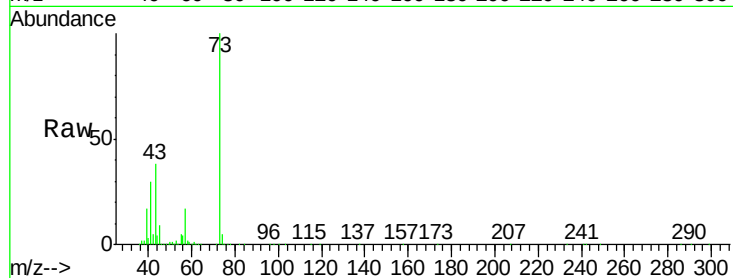




#19
Methyl tert-butyl Ether
Concen: 51.539 ug/l
RT: 2.53 min Scan# 203
Delta R.T. -0.01 min
Lab File: VF059543.D
Acq: 19 Jul 2018 6:24

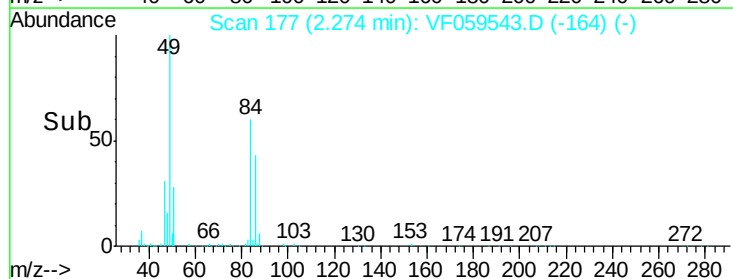
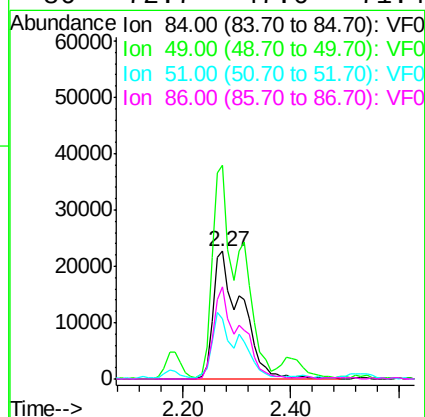
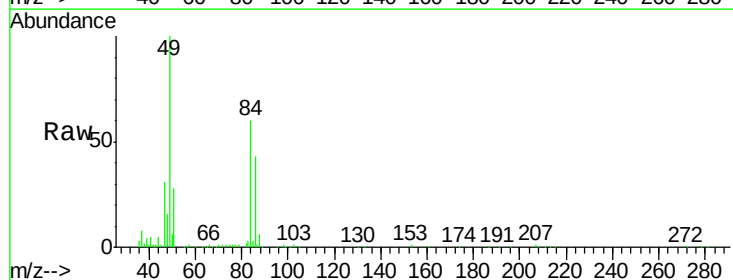
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

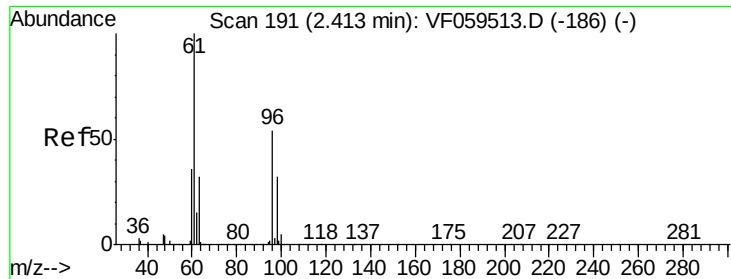
Tot Ion: 73 Resp: 256566
Ion Ratio Lower Upper
73 100
57 17.0 14.3 21.5



#20
Methylene Chloride
Concen: 56.703 ug/l
RT: 2.27 min Scan# 177
Delta R.T. -0.07 min
Lab File: VF059543.D
Acq: 19 Jul 2018 6:24

Tgt Ion: 84 Resp: 83530
Ion Ratio Lower Upper
84 100
49 167.7 109.4 164.2#
51 47.2 30.5 45.7#
86 72.7 47.6 71.4#





#21

trans-1,2-Dichloroethene

Concen: 51.948 ug/l

RT: 2.40 min Scan# 190

Delta R.T. -0.01 min

Lab File: VF059543.D

Acq: 19 Jul 2018 6:24

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

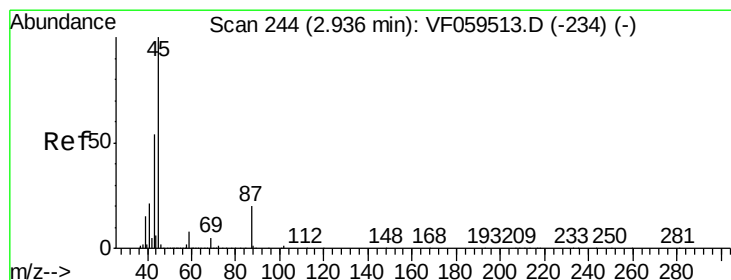
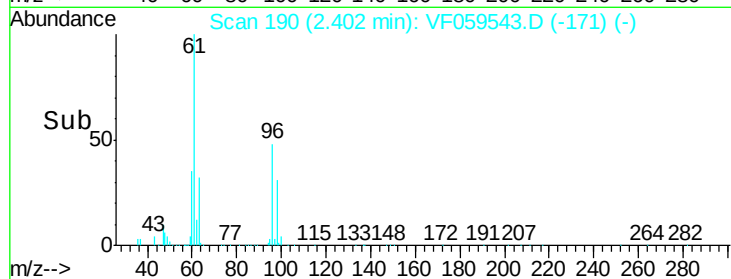
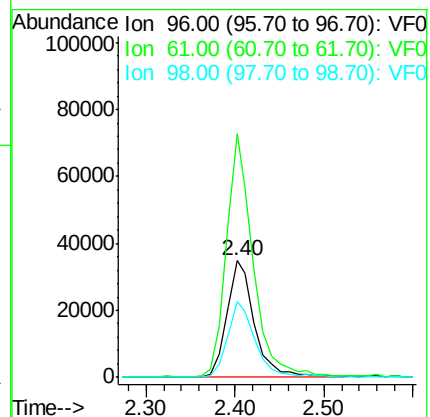
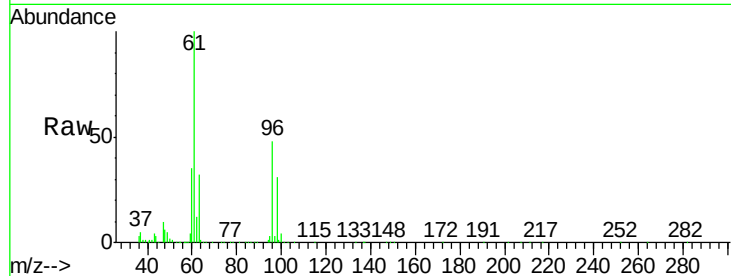
Tot Ion: 96 Resp: 76219

Ion Ratio Lower Upper

96 100

61 208.7 149.8 224.8

98 65.1 47.8 71.8



#22

Diisopropyl ether

Concen: 49.685 ug/l

RT: 2.91 min Scan# 242

Delta R.T. -0.02 min

Lab File: VF059543.D

Acq: 19 Jul 2018 6:24

Tgt Ion: 45 Resp: 276533

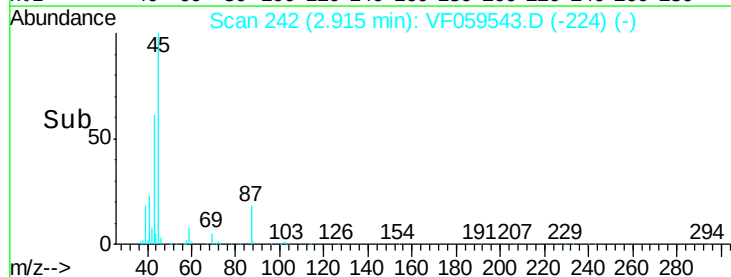
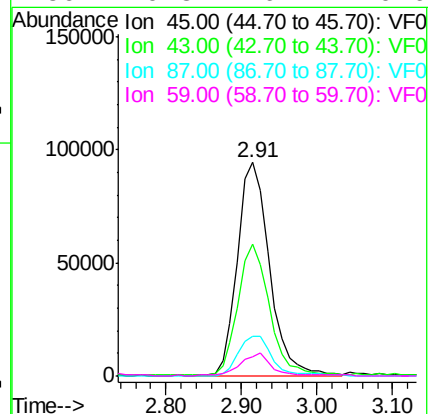
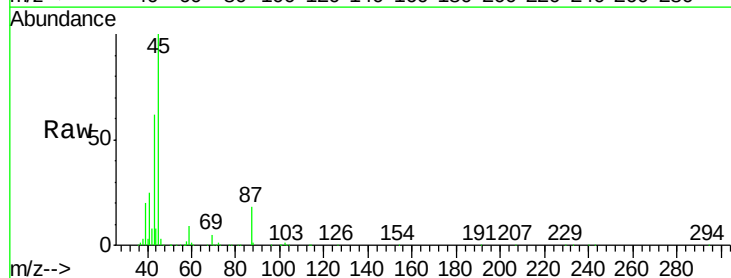
Ion Ratio Lower Upper

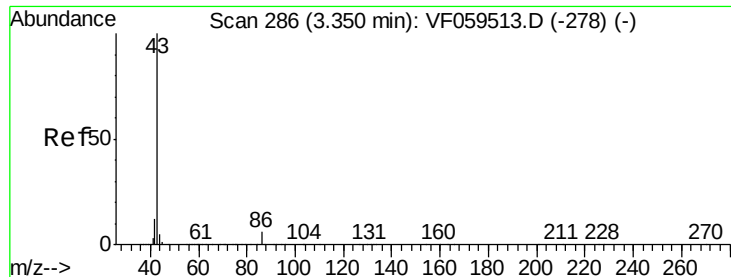
45 100

43 61.6 43.6 65.4

87 18.4 15.6 23.4

59 9.3 6.4 9.6





#23

Vinyl Acetate

Concen: 249.872 ug/l

RT: 3.32 min Scan# 283

Delta R.T. -0.03 min

Lab File: VF059543.D

Acq: 19 Jul 2018 6:24

Instrument :

MSVOA_F

ClientSampleId :

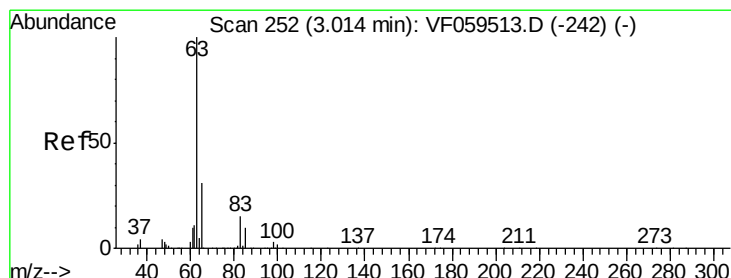
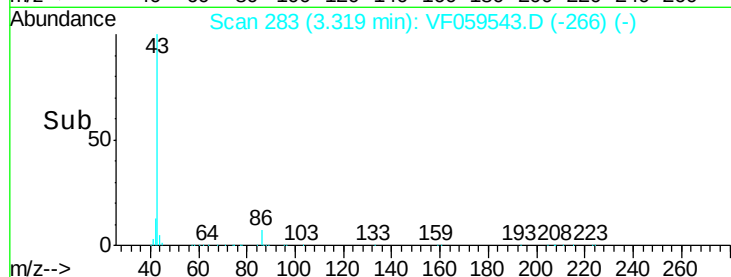
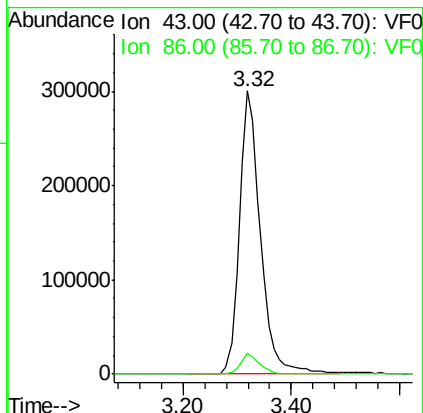
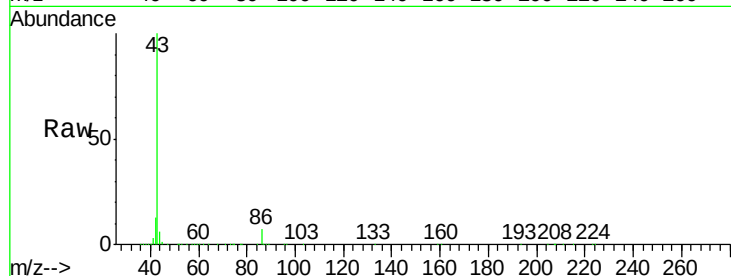
VSTDCCC050

Tot Ion: 43 Resp: 812671

Ion Ratio Lower Upper

43 100

86 7.3 4.4 6.6#



#24

1,1-Dichloroethane

Concen: 56.493 ug/l

RT: 2.99 min Scan# 250

Delta R.T. -0.02 min

Lab File: VF059543.D

Acq: 19 Jul 2018 6:24

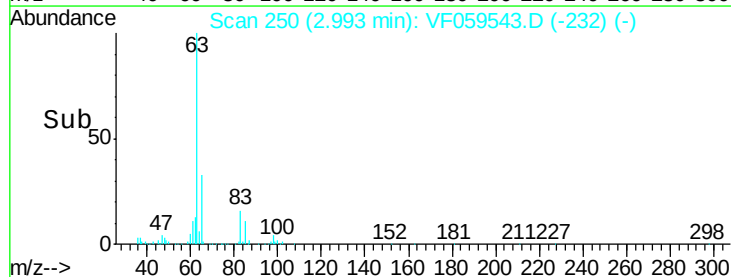
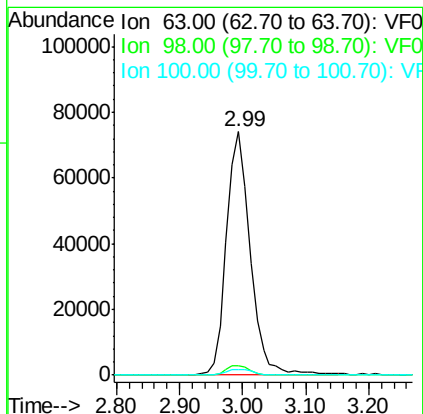
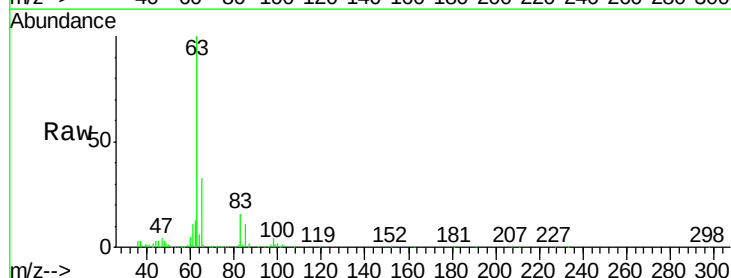
Tgt Ion: 63 Resp: 194174

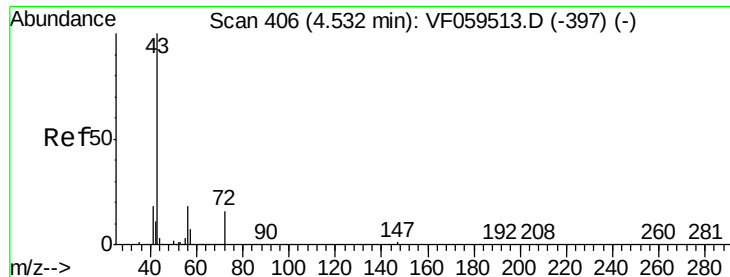
Ion Ratio Lower Upper

63 100

98 3.9 1.8 5.4

100 2.0 1.3 3.8





#25

2-Butanone

Concen: 223.792 ug/l

RT: 4.50 min Scan# 403

Delta R.T. -0.03 min

Lab File: VF059543.D

Acq: 19 Jul 2018 6:24

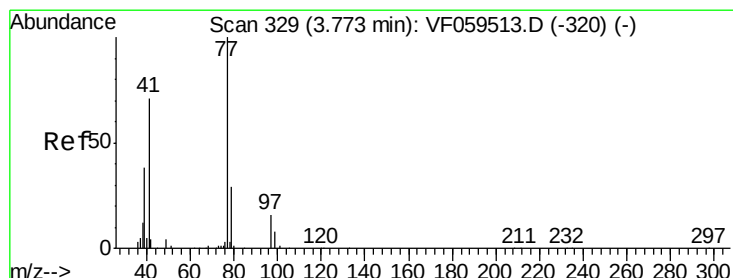
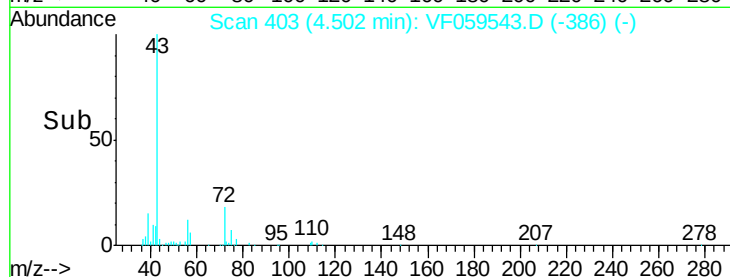
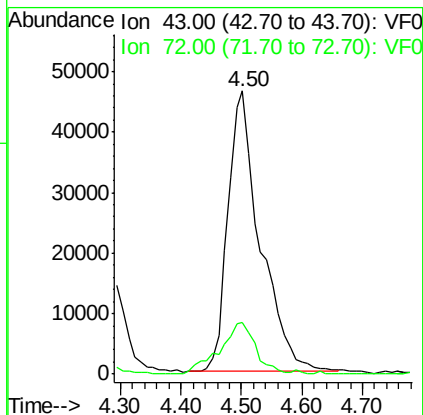
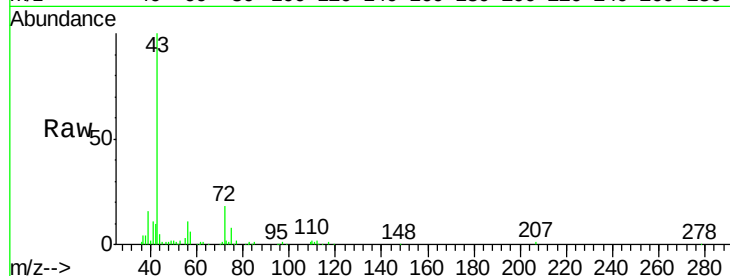
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 171511

Ion Ratio Lower Upper

43 100

72 18.2 14.2 21.4



#26

2,2-Dichloropropane

Concen: 55.047 ug/l

RT: 3.75 min Scan# 327

Delta R.T. -0.02 min

Lab File: VF059543.D

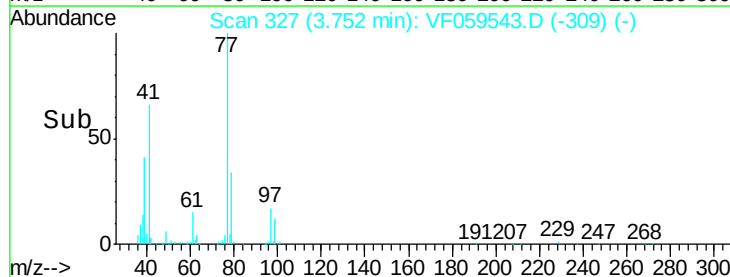
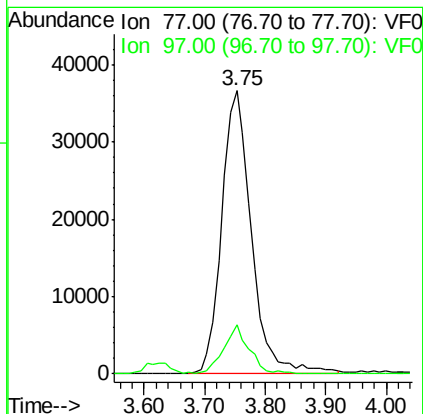
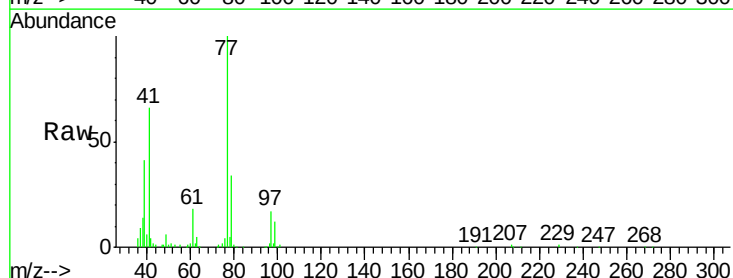
Acq: 19 Jul 2018 6:24

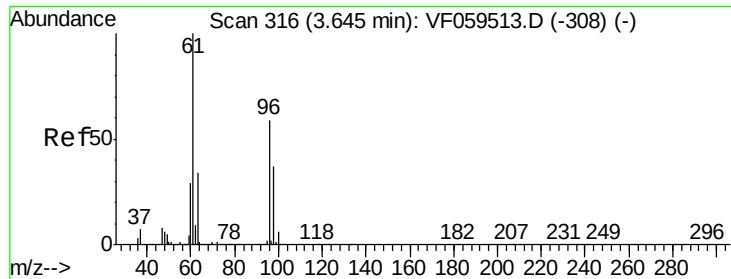
Tgt Ion: 77 Resp: 125174

Ion Ratio Lower Upper

77 100

97 17.3 8.1 24.3



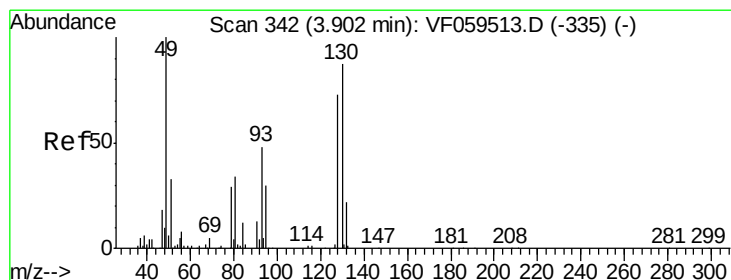
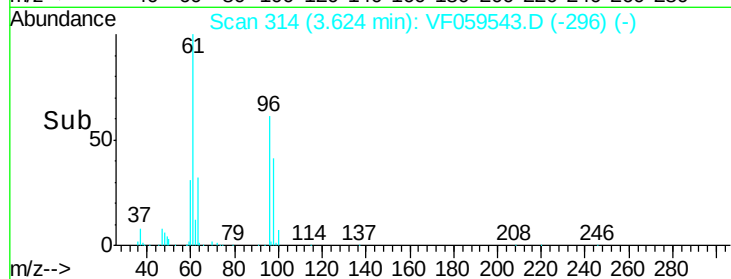
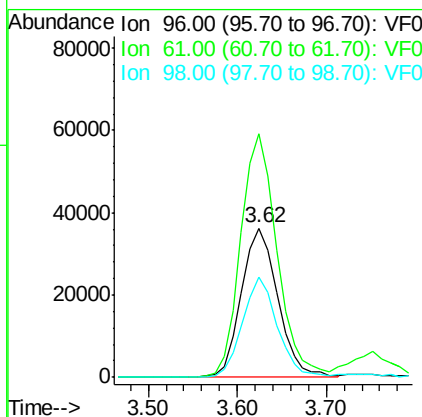
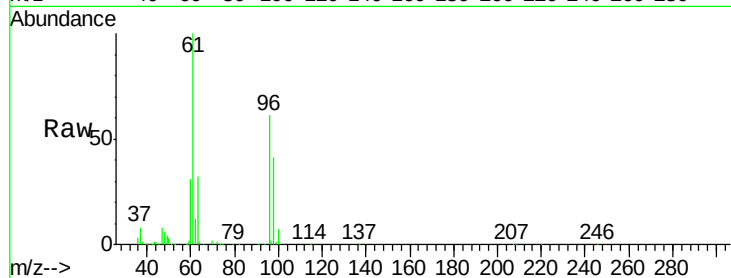


#27

cis-1,2-Dichloroethene
 Concen: 60.437 ug/l
 RT: 3.62 min Scan# 314
 Delta R.T. -0.02 min
 Lab File: VF059543.D
 Acq: 19 Jul 2018 6:24

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

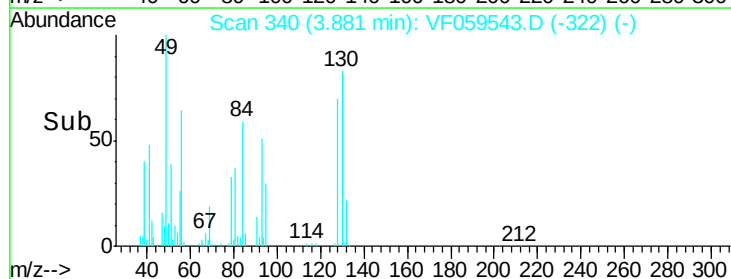
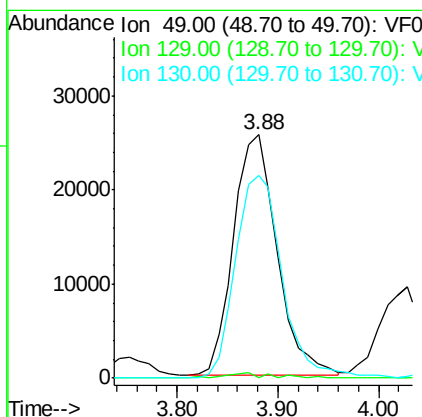
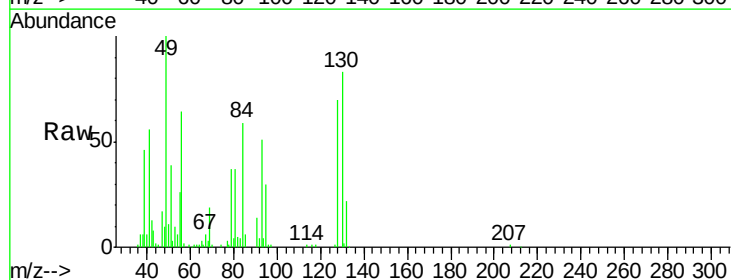
Tot Ion	Ratio	Lower	Upper
96	100		
61	163.4	0.0	339.0
98	67.2	0.0	125.4

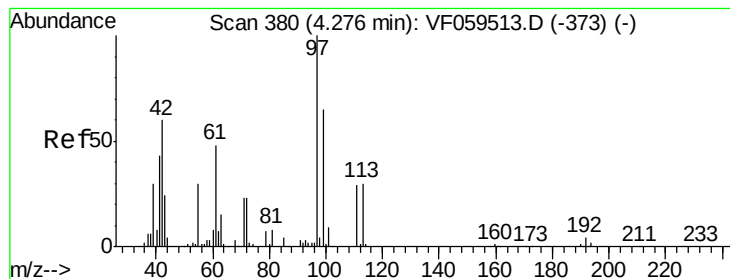


#28

Bromochloromethane
 Concen: 51.070 ug/l
 RT: 3.88 min Scan# 340
 Delta R.T. -0.02 min
 Lab File: VF059543.D
 Acq: 19 Jul 2018 6:24

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	0.0
130	83.1	69.8	104.6





#29

Tetrahydrofuran

Concen: 248.634 ug/l

RT: 4.25 min Scan# 377

Delta R.T. -0.03 min

Lab File: VF059543.D

Acq: 19 Jul 2018 6:24

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

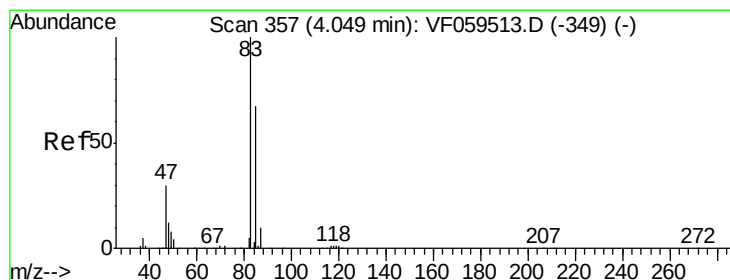
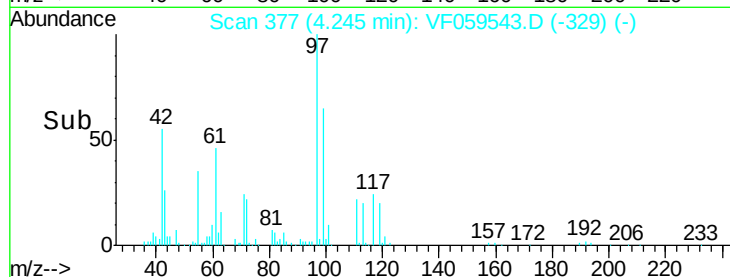
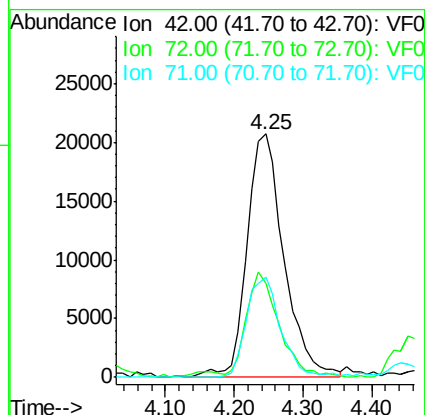
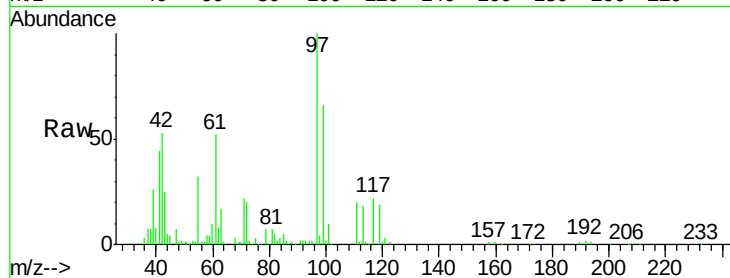
Tot Ion: 42 Resp: 77580

Ion Ratio Lower Upper

42 100

72 38.2 28.7 43.1

71 38.4 30.8 46.2



#30

Chloroform

Concen: 53.831 ug/l

RT: 4.03 min Scan# 355

Delta R.T. -0.02 min

Lab File: VF059543.D

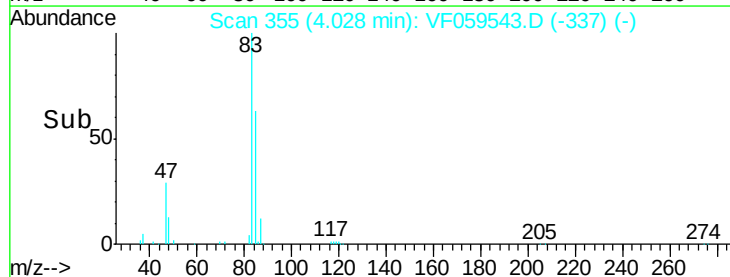
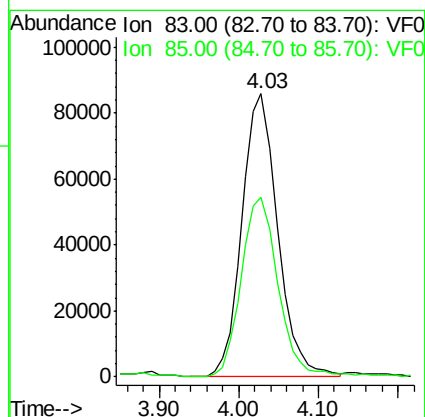
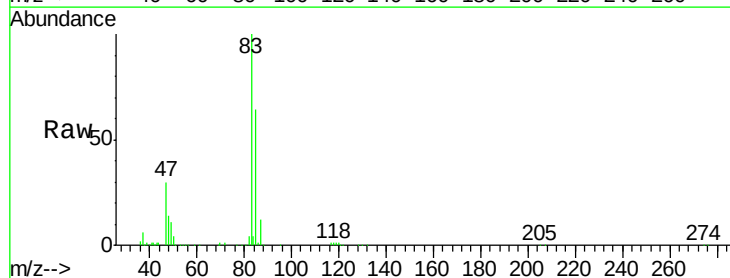
Acq: 19 Jul 2018 6:24

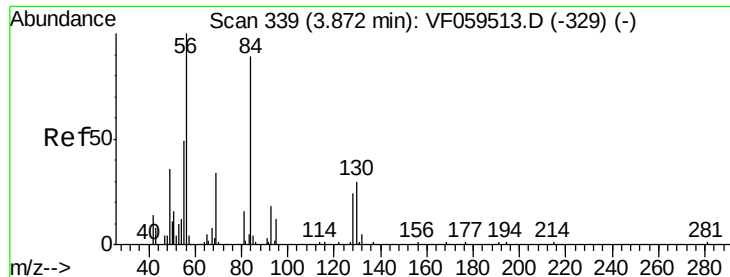
Tgt Ion: 83 Resp: 267289

Ion Ratio Lower Upper

83 100

85 63.7 53.2 79.8

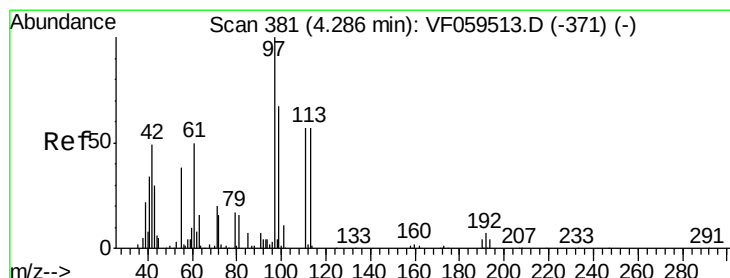
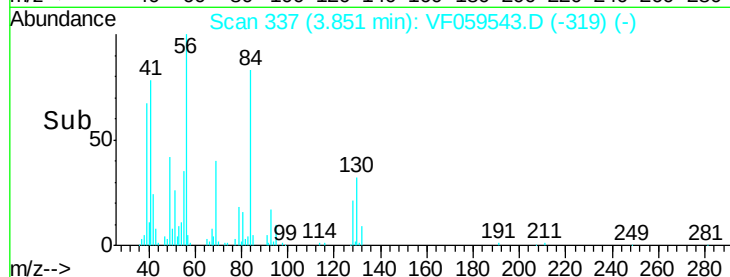
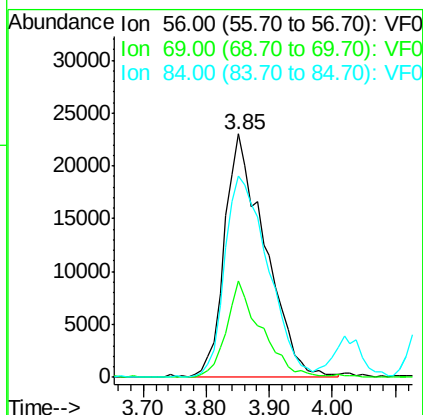
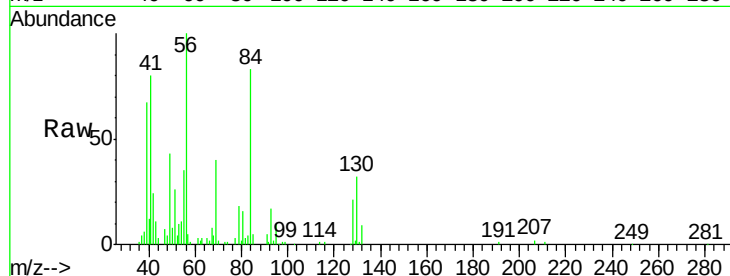




#31
Cyclohexane
Concen: 57.843 ug/l
RT: 3.85 min Scan# 337
Delta R.T. -0.02 min
Lab File: VF059543.D
Acq: 19 Jul 2018 6:24

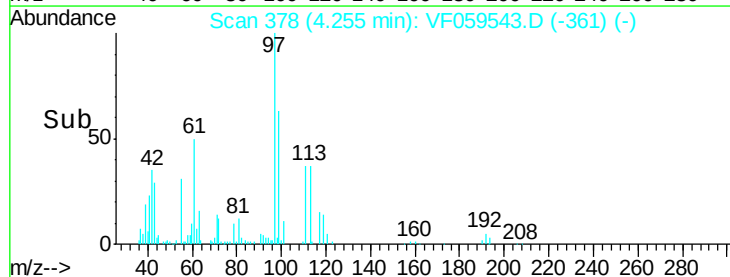
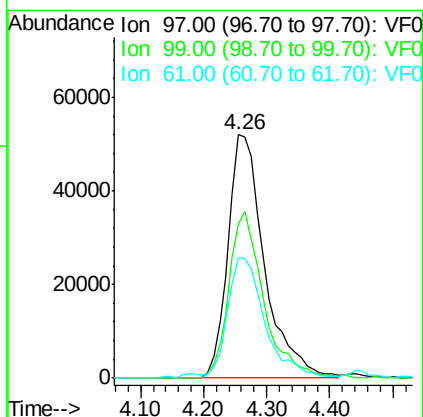
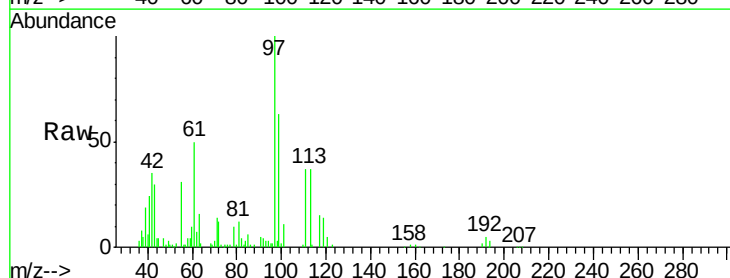
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

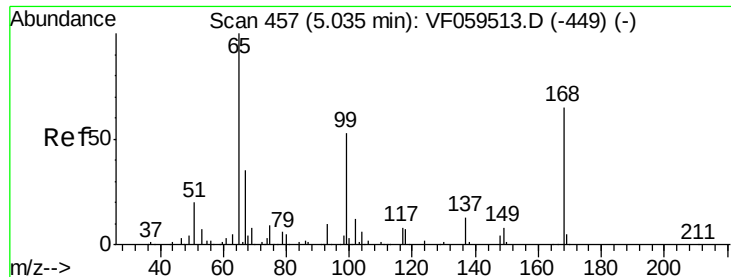
Tot Ion: 56 Resp: 102981
Ion Ratio Lower Upper
56 100
69 39.6 27.6 41.4
84 82.8 71.4 107.2



#32
1,1,1-Trichloroethane
Concen: 64.578 ug/l
RT: 4.26 min Scan# 378
Delta R.T. -0.03 min
Lab File: VF059543.D
Acq: 19 Jul 2018 6:24

Tgt Ion: 97 Resp: 208374
Ion Ratio Lower Upper
97 100
99 63.1 53.5 80.3
61 49.8 39.7 59.5

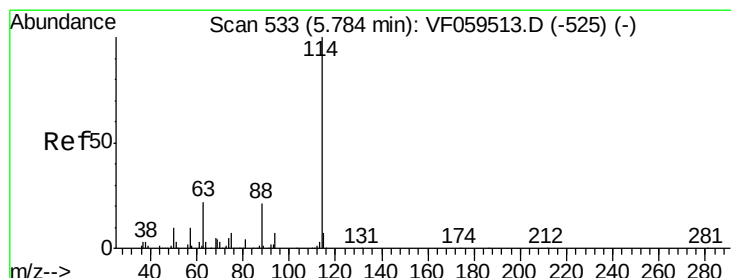
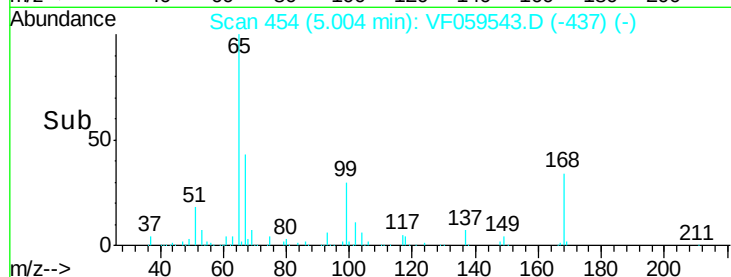
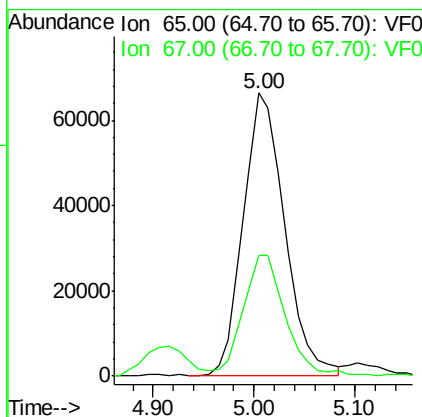
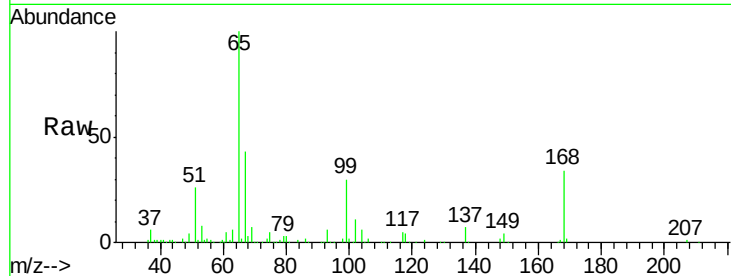




#33
 1,2-Dichloroethane-d4
 Concen: 57.680 ug/l
 RT: 5.00 min Scan# 454
 Delta R.T. -0.03 min
 Lab File: VF059543.D
 Acq: 19 Jul 2018 6:24

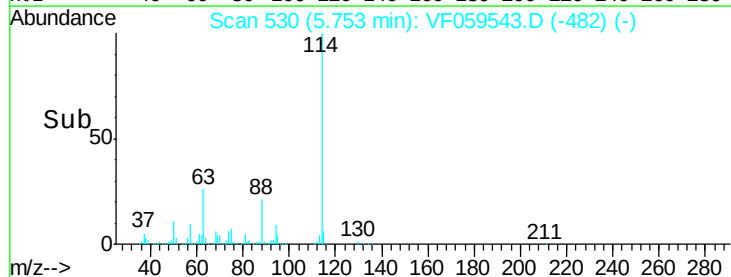
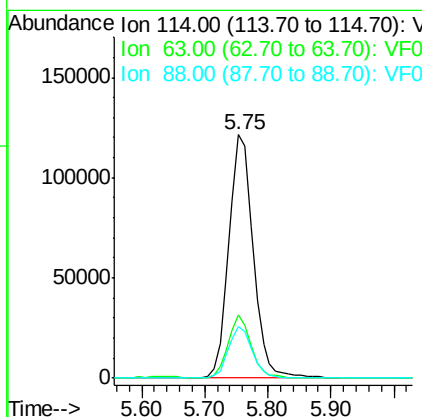
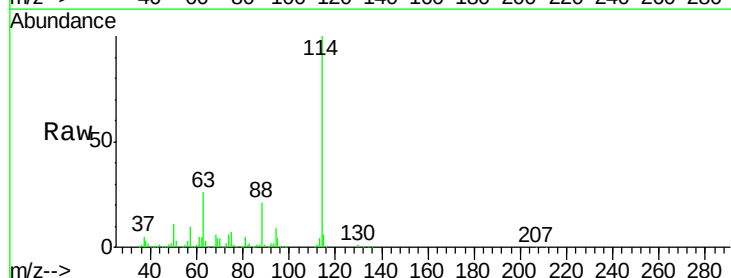
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

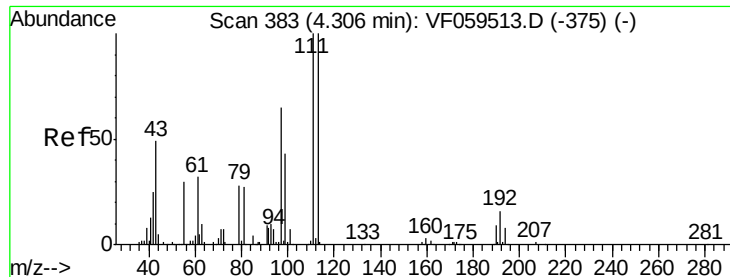
Tot Ion: 65 Resp: 190400
 Ion Ratio Lower Upper
 65 100
 67 42.8 0.0 91.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.75 min Scan# 530
 Delta R.T. -0.03 min
 Lab File: VF059543.D
 Acq: 19 Jul 2018 6:24

Tgt Ion: 114 Resp: 325392
 Ion Ratio Lower Upper
 114 100
 63 26.1 0.0 44.8
 88 21.0 0.0 42.6





#35

Dibromofluoromethane

Concen: 53.820 ug/l

RT: 4.28 min Scan# 381

Delta R.T. -0.02 min

Lab File: VF059543.D

Acq: 19 Jul 2018 6:24

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

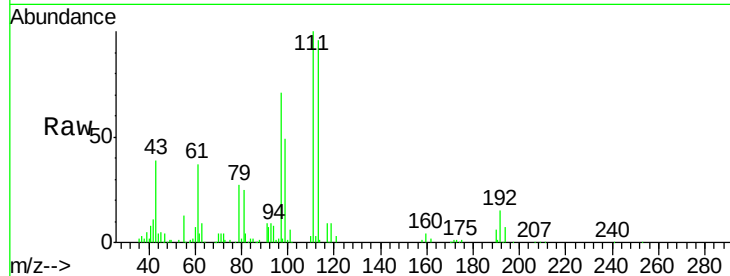
Tot Ion:113 Resp: 151673

Ion Ratio Lower Upper

113 100

111 102.7 80.3 120.5

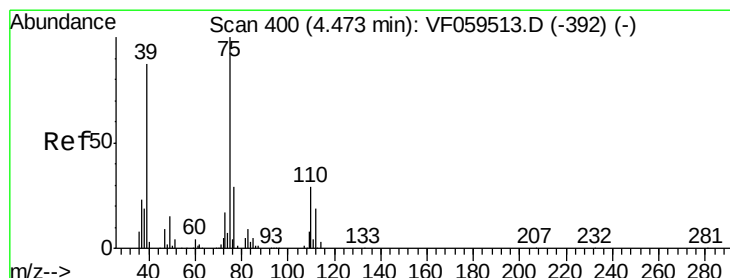
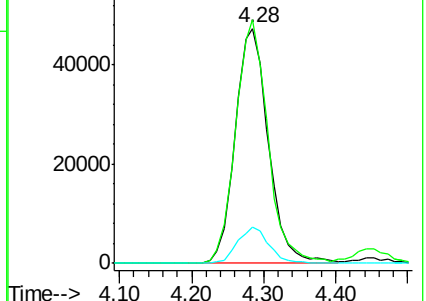
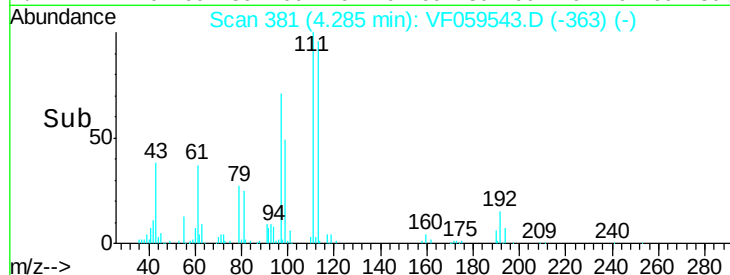
192 15.5 13.1 19.7



Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#36

1,1-Dichloropropene

Concen: 48.181 ug/l

RT: 4.45 min Scan# 398

Delta R.T. -0.02 min

Lab File: VF059543.D

Acq: 19 Jul 2018 6:24

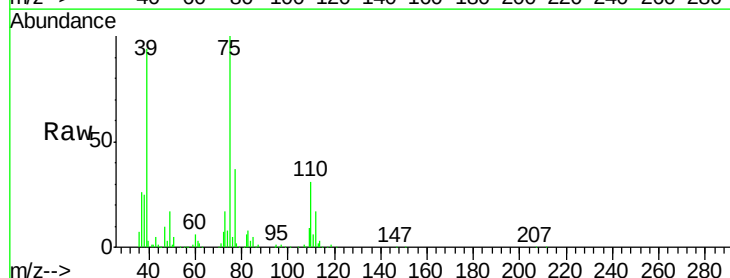
Tgt Ion: 75 Resp: 156922

Ion Ratio Lower Upper

75 100

110 30.5 14.6 43.8

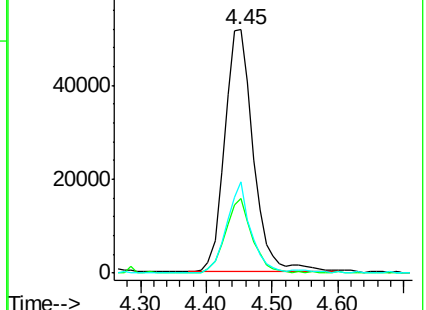
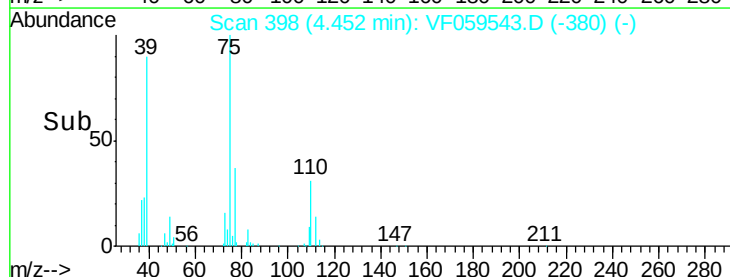
77 37.4 23.7 35.5#

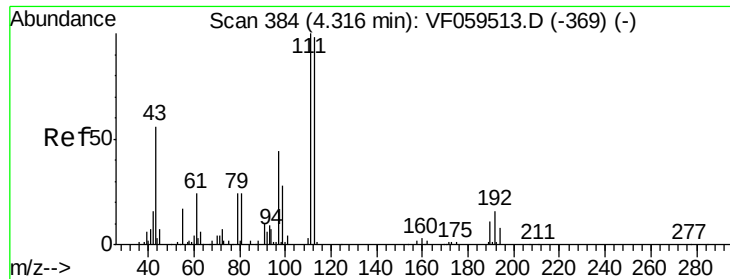


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0

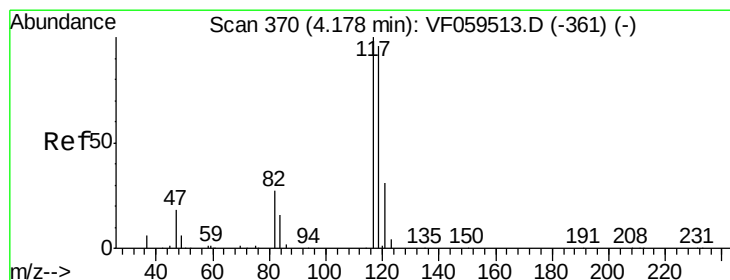
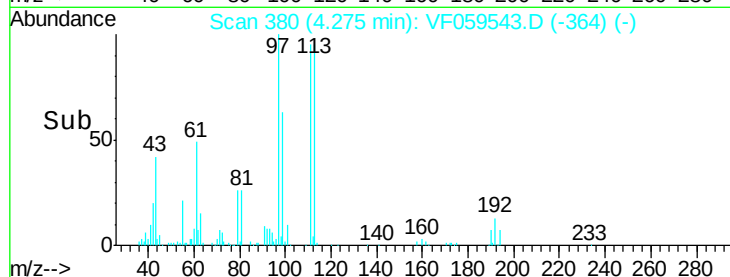
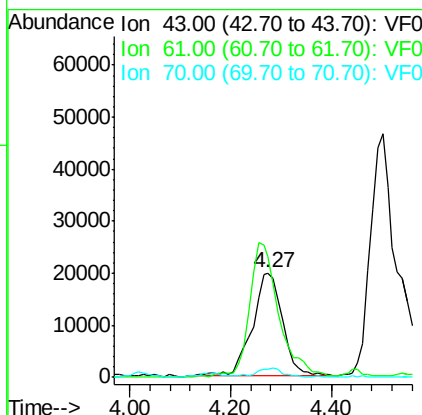
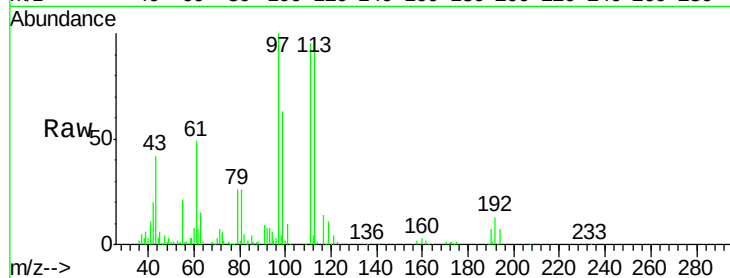




#37
Ethyl Acetate
Concen: 46.368 ug/l
RT: 4.27 min Scan# 380
Delta R.T. -0.04 min
Lab File: VF059543.D
Acq: 19 Jul 2018 6:24

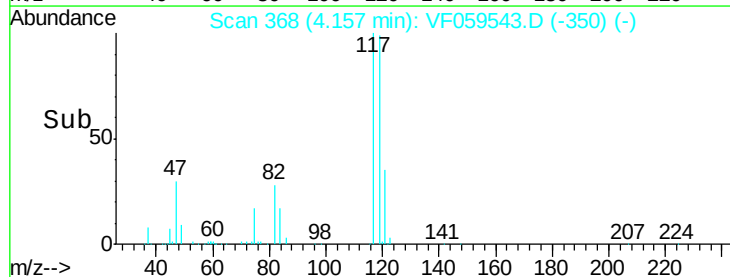
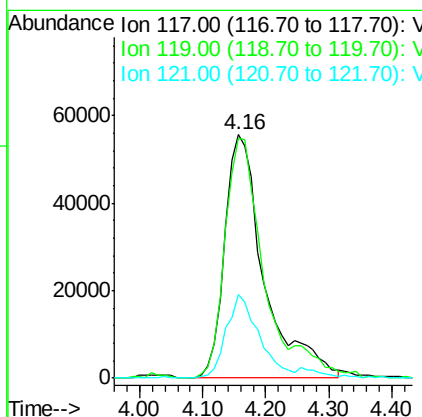
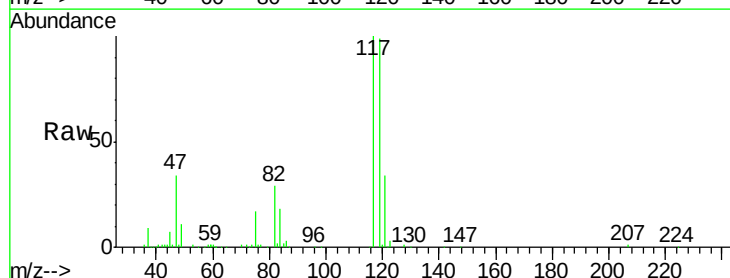
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

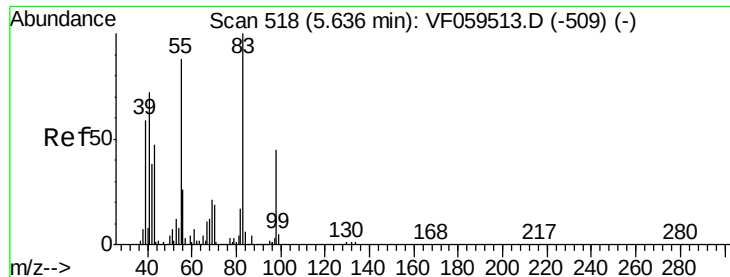
Tot Ion: 43 Resp: 82074
Ion Ratio Lower Upper
43 100
61 115.8 33.7 50.5#
70 8.1 7.4 11.0



#38
Carbon Tetrachloride
Concen: 64.777 ug/l
RT: 4.16 min Scan# 368
Delta R.T. -0.02 min
Lab File: VF059543.D
Acq: 19 Jul 2018 6:24

Tgt Ion: 117 Resp: 241774
Ion Ratio Lower Upper
117 100
119 98.5 77.6 116.4
121 34.4 24.9 37.3

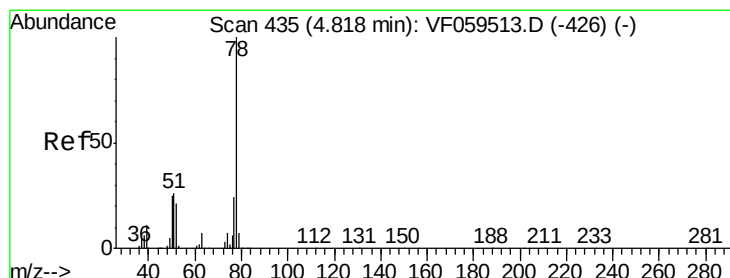
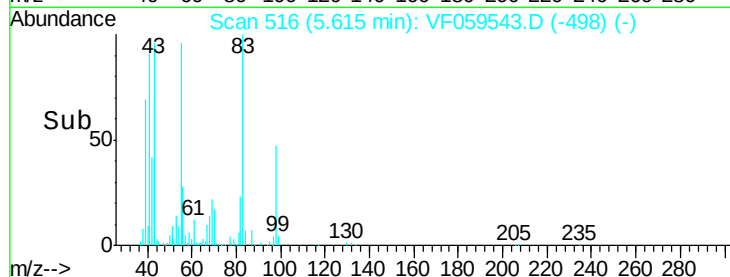
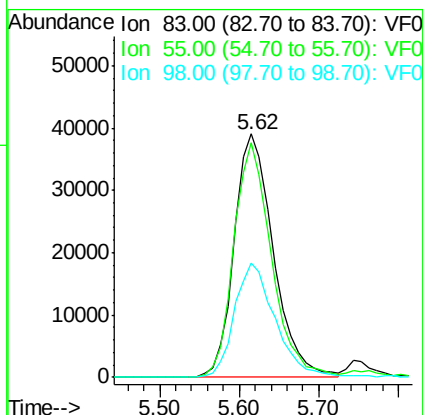
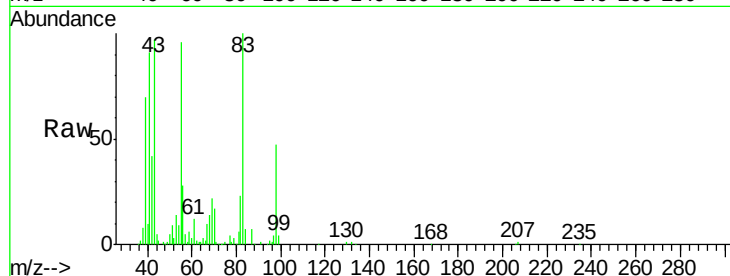




#39
Methylvlcyclohexane
Concen: 54.013 ug/l
RT: 5.62 min Scan# 516
Delta R.T. -0.02 min
Lab File: VF059543.D
Acq: 19 Jul 2018 6:24

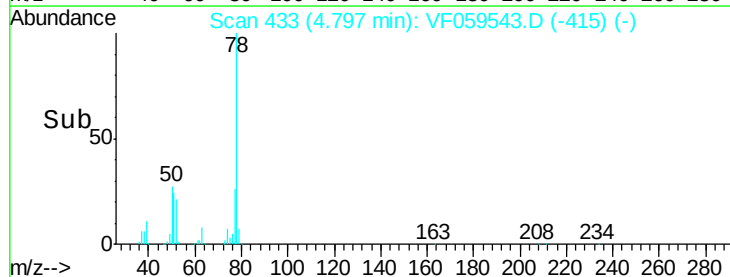
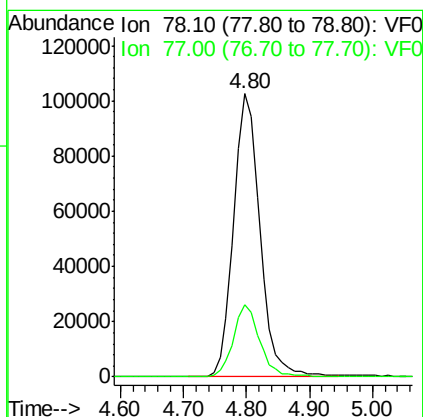
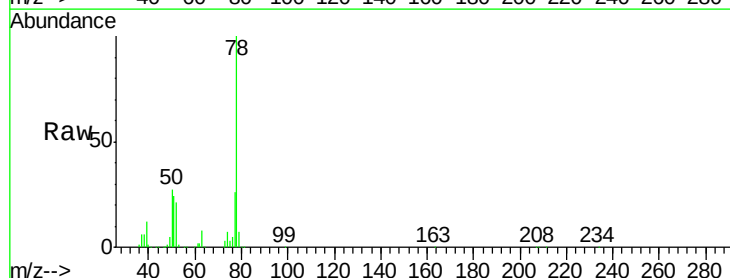
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

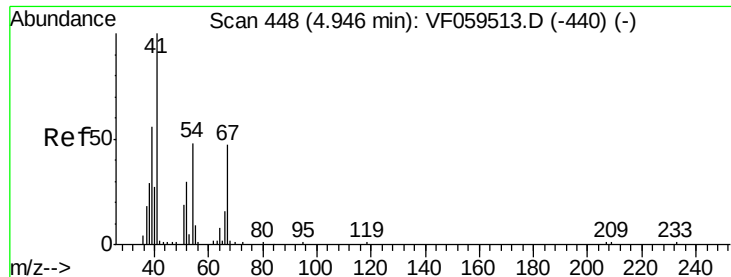
Tot Ion	83	Resp	133507
Ion	Ratio	Lower	Upper
83	100		
55	96.4	70.2	105.4
98	46.8	36.2	54.2



#40
Benzene
Concen: 46.877 ug/l
RT: 4.80 min Scan# 433
Delta R.T. -0.02 min
Lab File: VF059543.D
Acq: 19 Jul 2018 6:24

Tgt Ion	78	Resp	296194
Ion	Ratio	Lower	Upper
78	100		
77	25.6	19.4	29.0

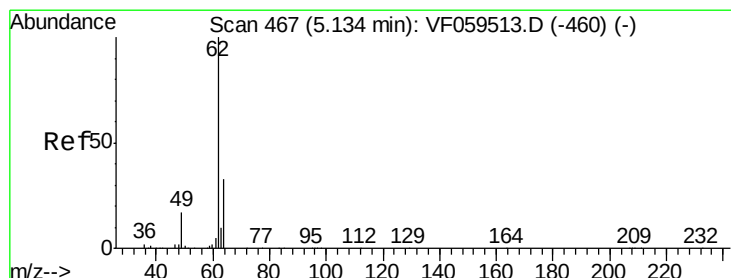
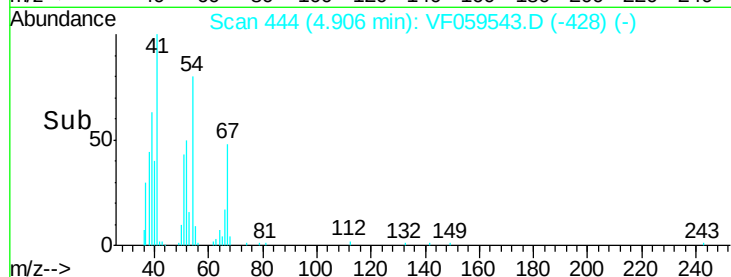
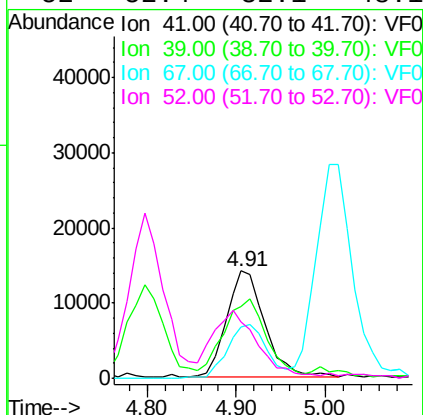
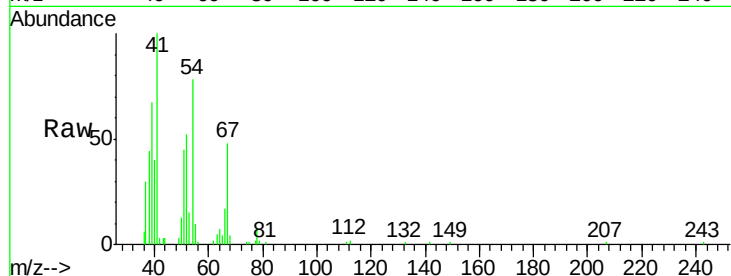




#41
Methacrylonitrile
Concen: 45.311 ug/l
RT: 4.91 min Scan# 444
Delta R.T. -0.04 min
Lab File: VF059543.D
Acq: 19 Jul 2018 6:24

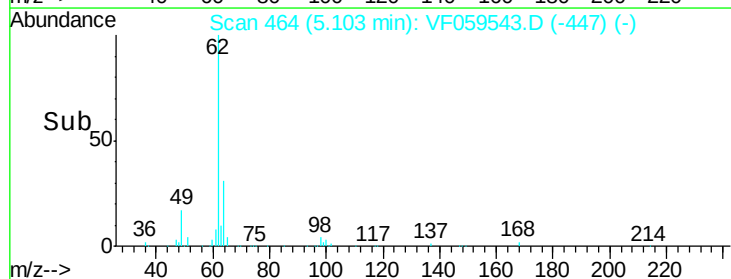
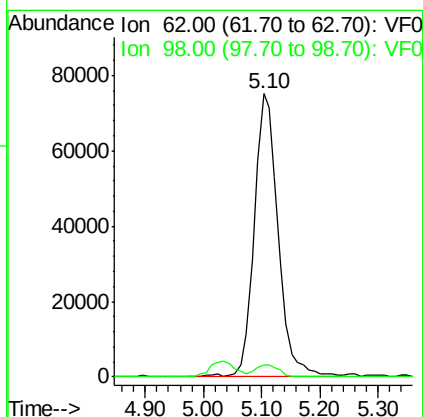
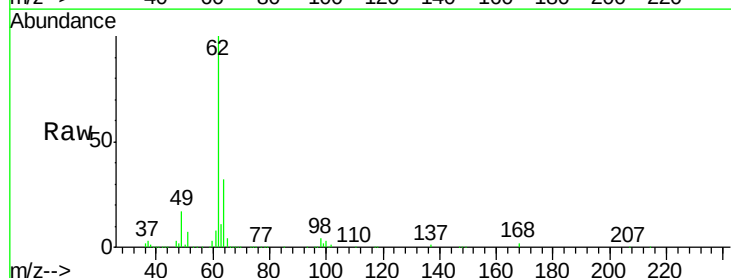
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

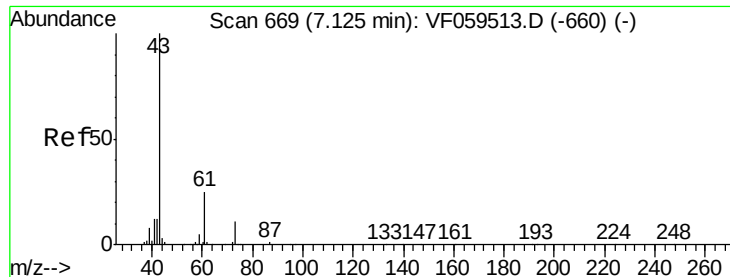
Tot Ion	Ion	Ratio	Lower	Upper
41	41	100		
39	39	66.7	49.4	74.0
67	67	47.7	37.4	56.2
52	52	52.4	32.1	48.1#



#42
1,2-Dichloroethane
Concen: 52.612 ug/l
RT: 5.10 min Scan# 464
Delta R.T. -0.03 min
Lab File: VF059543.D
Acq: 19 Jul 2018 6:24

Tgt Ion	Ion	Ratio	Lower	Upper
62	62	100		
98	98	4.3	0.0	9.6





#43

Isopropyl Acetate

Concen: 45.988 ug/l

RT: 7.10 min Scan# 667

Delta R.T. -0.02 min

Lab File: VF059543.D

Acq: 19 Jul 2018 6:24

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

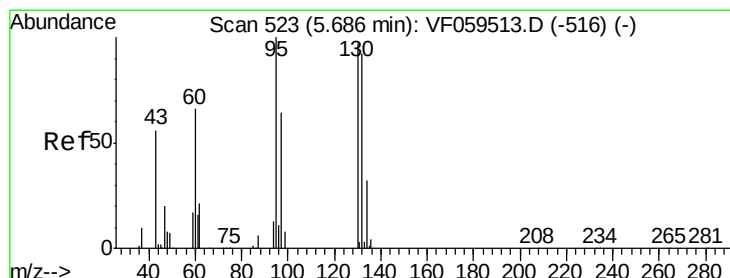
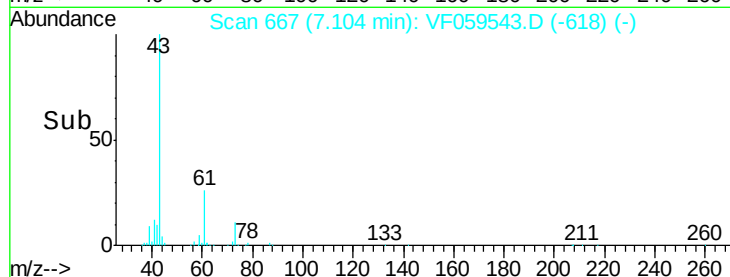
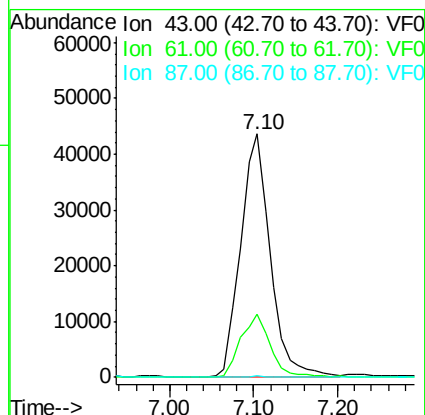
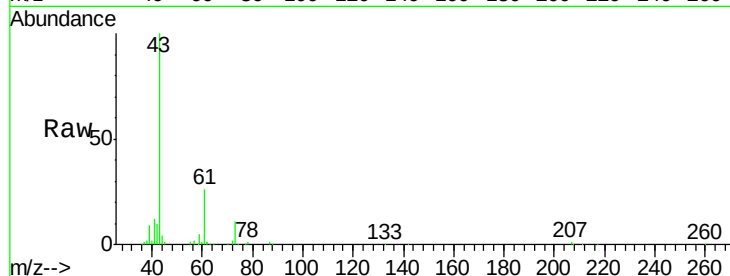
Tot Ion: 43 Resp: 107629

Ion Ratio Lower Upper

43 100

61 25.9 20.3 30.5

87 0.7 0.4 0.6#



#44

Trichloroethene

Concen: 47.466 ug/l

RT: 5.66 min Scan# 521

Delta R.T. -0.02 min

Lab File: VF059543.D

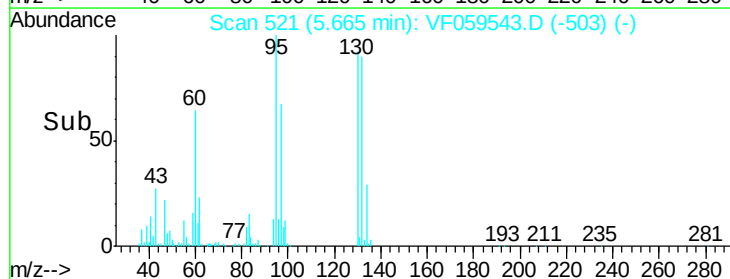
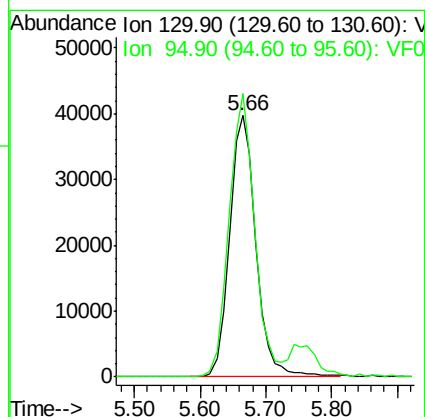
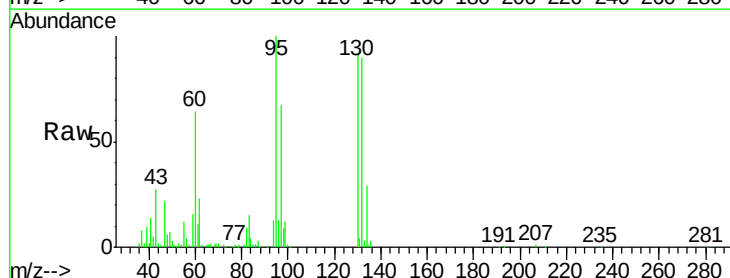
Acq: 19 Jul 2018 6:24

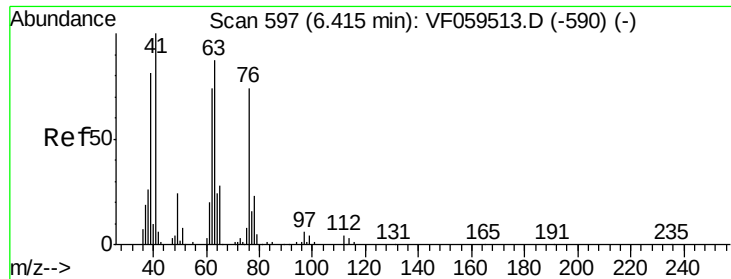
Tgt Ion: 130 Resp: 111016

Ion Ratio Lower Upper

130 100

95 108.4 0.0 206.6





#45

1,2-Dichloropropane

Concen: 51.131 ug/l

RT: 6.39 min Scan# 595

Delta R.T. -0.02 min

Lab File: VF059543.D

Acq: 19 Jul 2018 6:24

Instrument :

MSVOA_F

ClientSampleId :

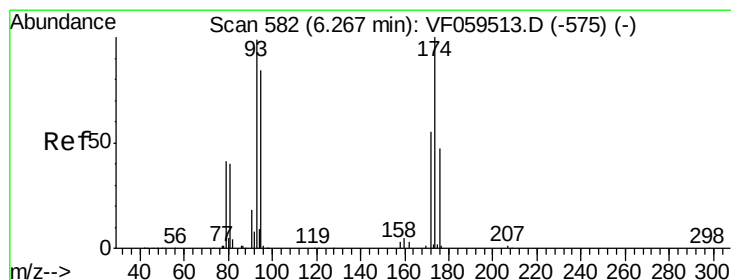
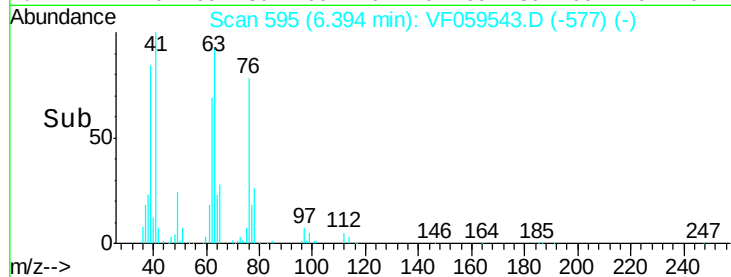
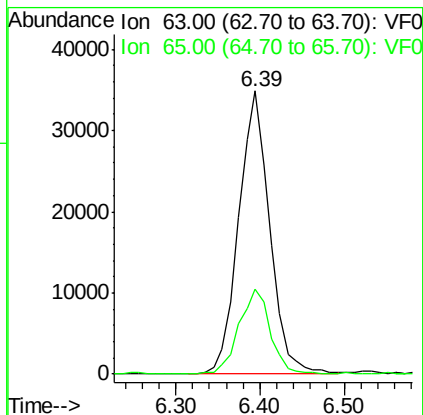
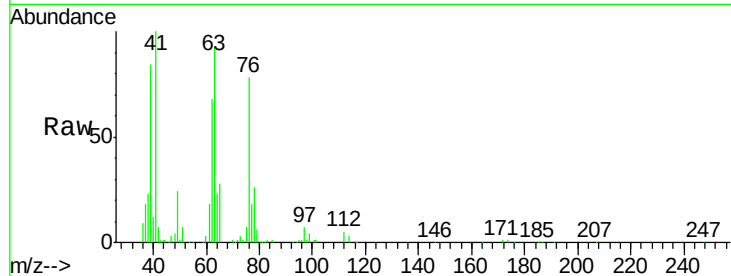
VSTDCCC050

Tot Ion: 63 Resp: 89673

Ion Ratio Lower Upper

63 100

65 29.8 26.1 39.1



#46

Dibromomethane

Concen: 51.331 ug/l

RT: 6.25 min Scan# 580

Delta R.T. -0.02 min

Lab File: VF059543.D

Acq: 19 Jul 2018 6:24

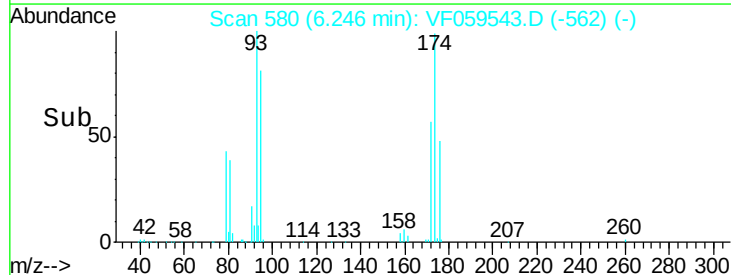
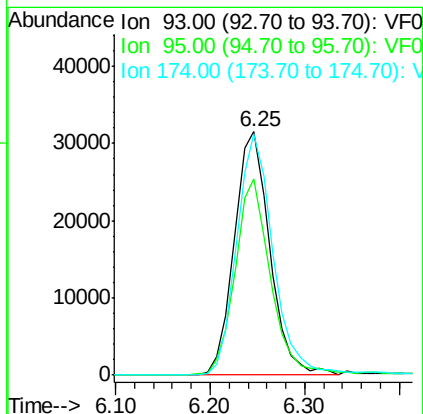
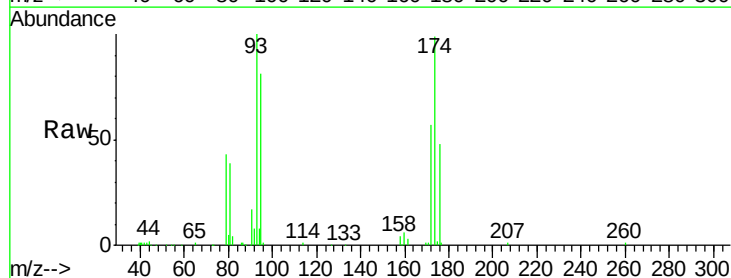
Tgt Ion: 93 Resp: 81983

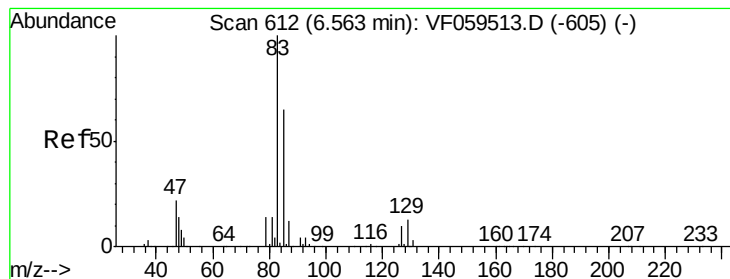
Ion Ratio Lower Upper

93 100

95 80.8 68.3 102.5

174 100.5 81.2 121.8





#47

Bromodichloromethane

Concen: 53.119 ug/l

RT: 6.53 min Scan# 609

Delta R.T. -0.03 min

Lab File: VF059543.D

Acq: 19 Jul 2018 6:24

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

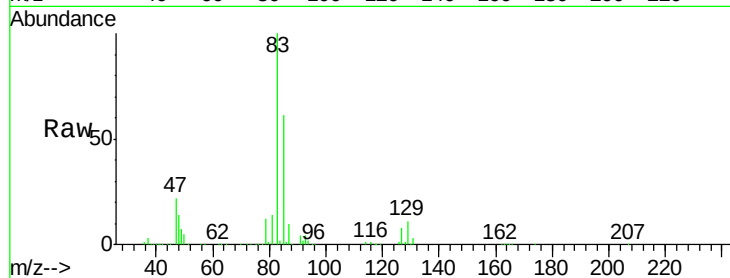
Tot Ion: 83 Resp: 218384

Ion Ratio Lower Upper

83 100

85 60.5 52.4 78.6

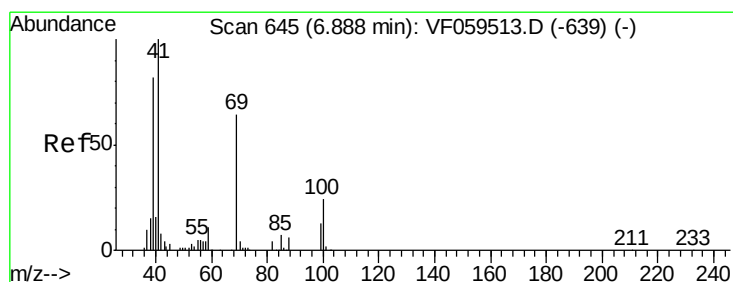
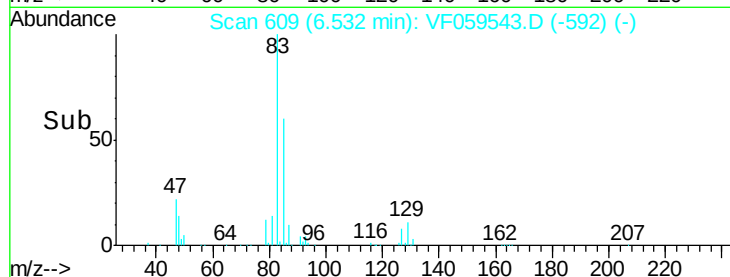
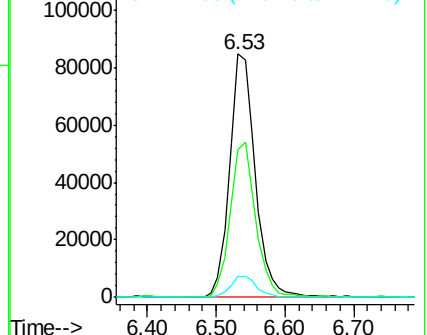
127 8.4 8.2 12.4



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: 45.159 ug/l

RT: 6.86 min Scan# 642

Delta R.T. -0.03 min

Lab File: VF059543.D

Acq: 19 Jul 2018 6:24

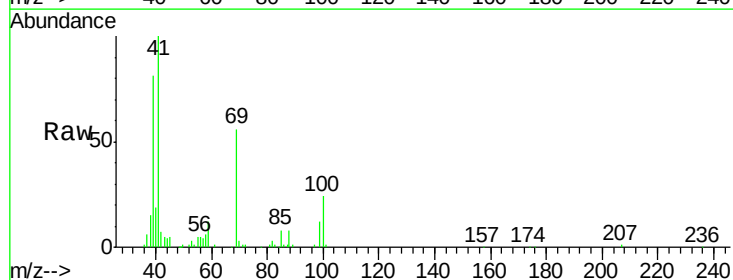
Tgt Ion: 41 Resp: 75482

Ion Ratio Lower Upper

41 100

69 55.7 51.3 76.9

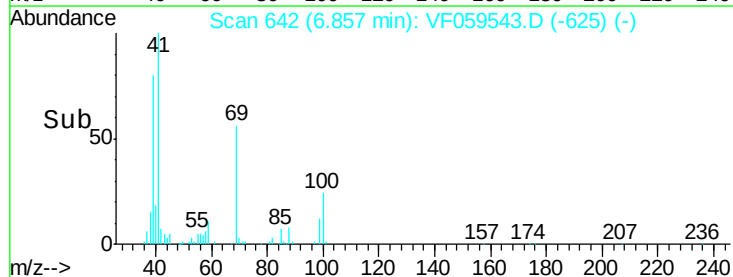
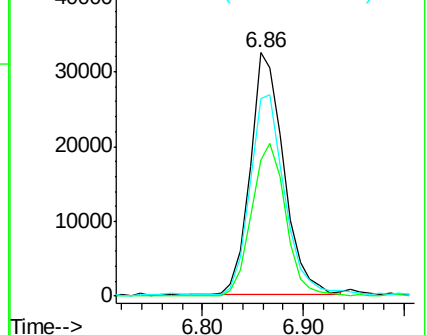
39 81.2 65.3 97.9

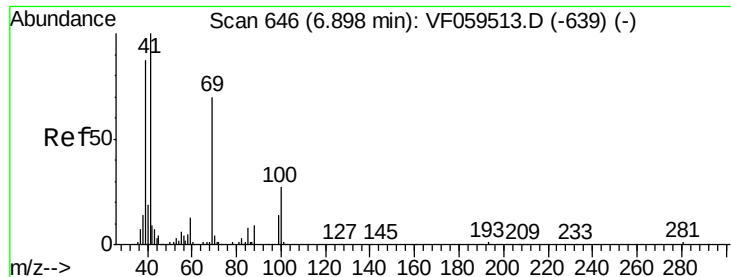


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 1235.577 ug/l

RT: 6.86 min Scan# 642

Delta R.T. -0.04 min

Lab File: VF059543.D

Acq: 19 Jul 2018 6:24

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

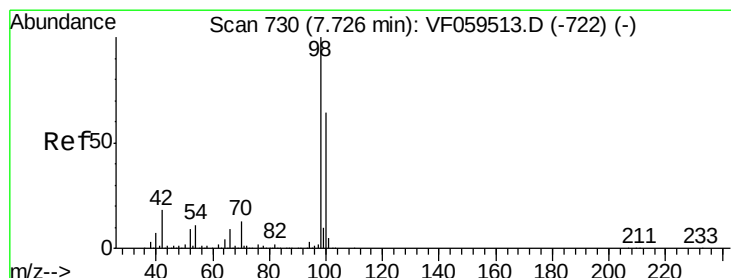
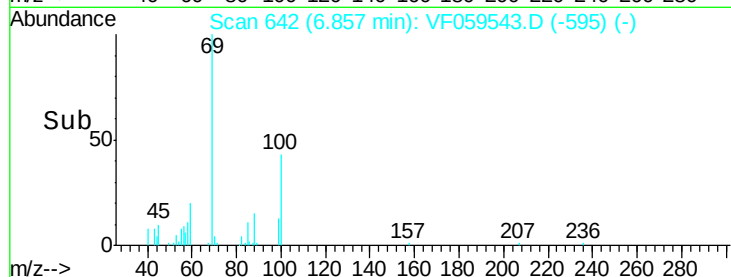
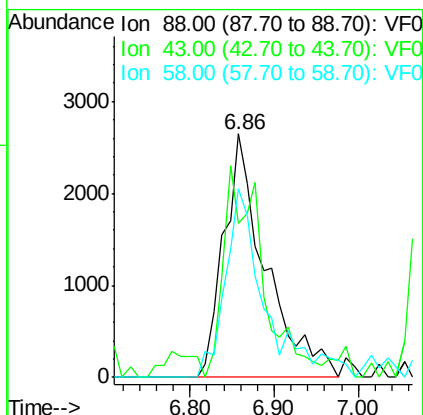
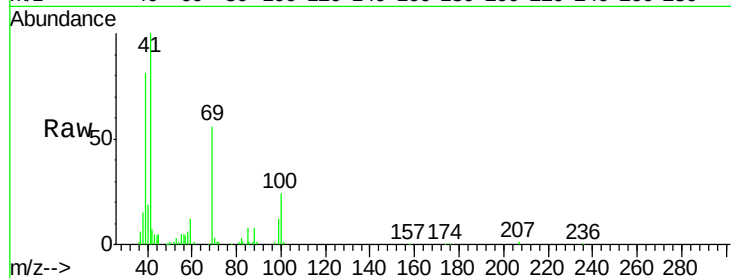
Tot Ion: 88 Resp: 9128

Ion Ratio Lower Upper

88 100

43 63.0 64.8 97.2#

58 77.6 44.1 66.1#



#50

Toluene-d8

Concen: 52.220 ug/l

RT: 7.71 min Scan# 728

Delta R.T. -0.02 min

Lab File: VF059543.D

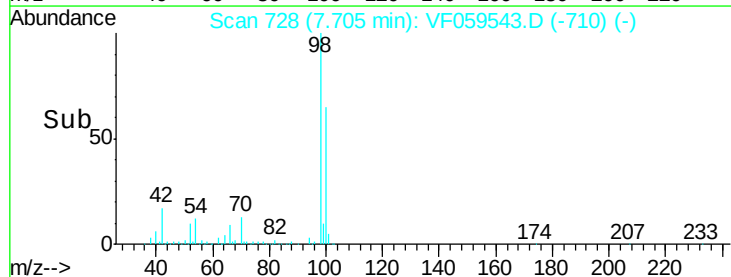
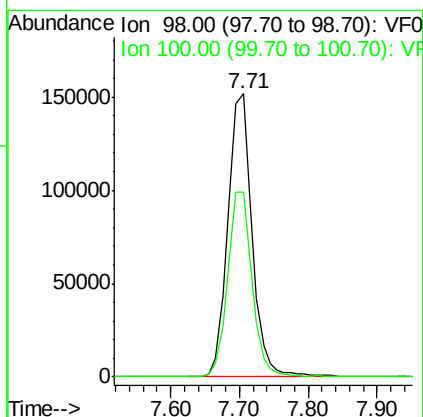
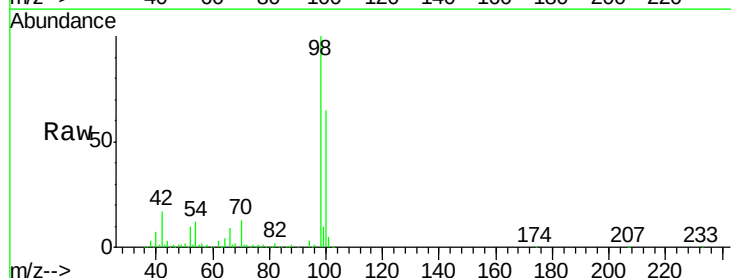
Acq: 19 Jul 2018 6:24

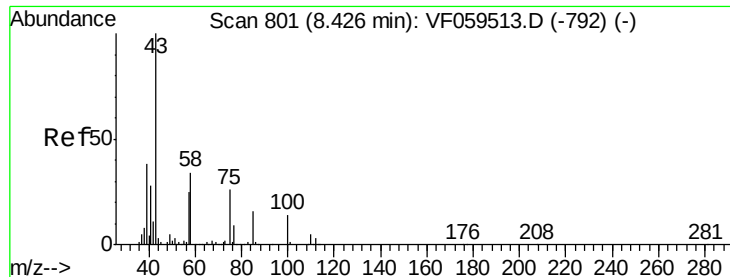
Tgt Ion: 98 Resp: 370697

Ion Ratio Lower Upper

98 100

100 65.1 50.9 76.3





#51

4-Methyl-2-Pentanone

Concen: 228.461 ug/l

RT: 8.40 min Scan# 798

Delta R.T. -0.03 min

Lab File: VF059543.D

Acq: 19 Jul 2018 6:24

Instrument :

MSVOA_F

ClientSampleId :

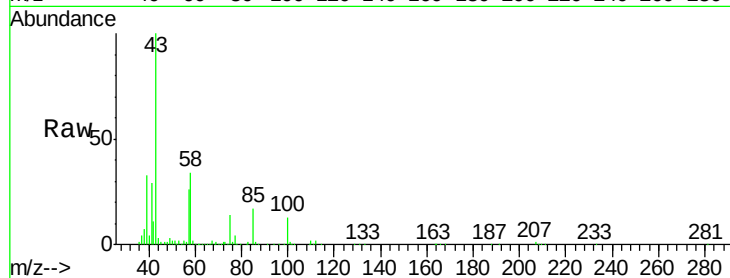
VSTDCCC050

Tot Ion: 43 Resp: 379009

Ion Ratio Lower Upper

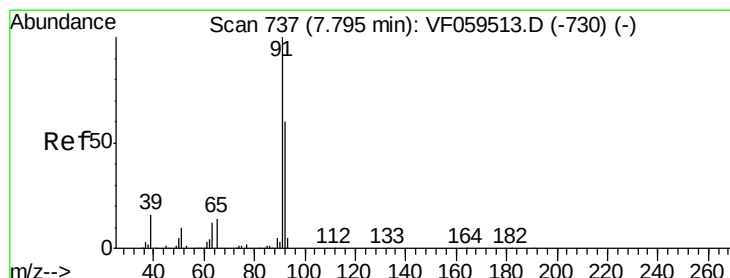
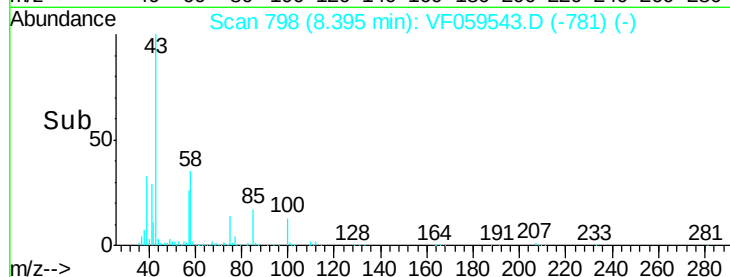
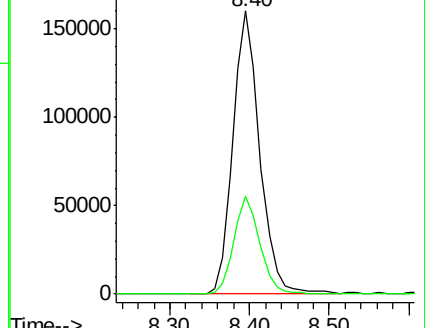
43 100

58 34.5 27.4 41.2



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 50.816 ug/l

RT: 7.77 min Scan# 735

Delta R.T. -0.02 min

Lab File: VF059543.D

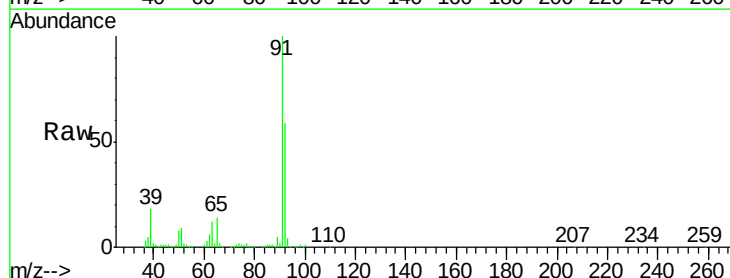
Acq: 19 Jul 2018 6:24

Tgt Ion: 92 Resp: 232865

Ion Ratio Lower Upper

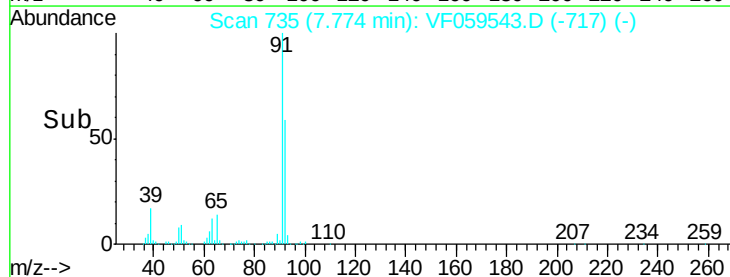
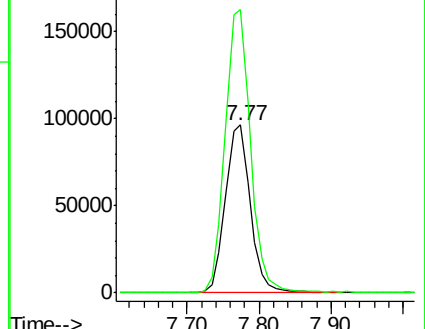
92 100

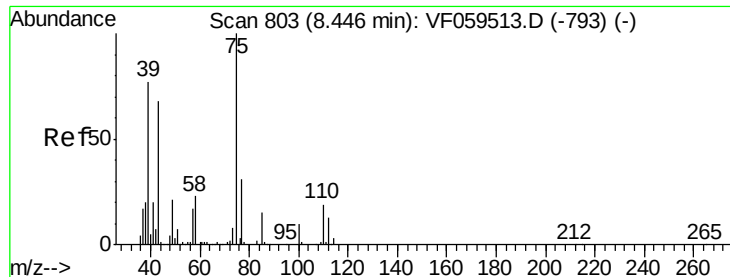
91 168.9 134.2 201.4



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 49.555 ug/l

RT: 8.41 min Scan# 800

Delta R.T. -0.03 min

Lab File: VF059543.D

Acq: 19 Jul 2018 6:24

Instrument :

MSVOA_F

ClientSampleId :

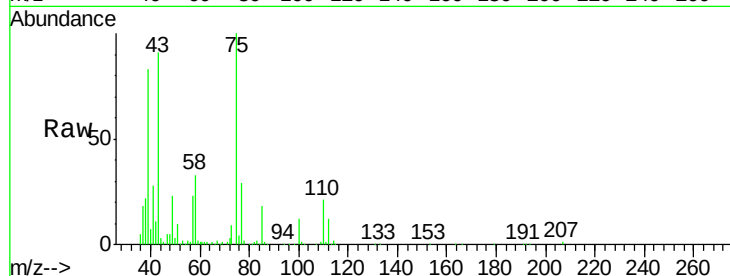
VSTDCCC050

Tot Ion: 75 Resp: 187397

Ion Ratio Lower Upper

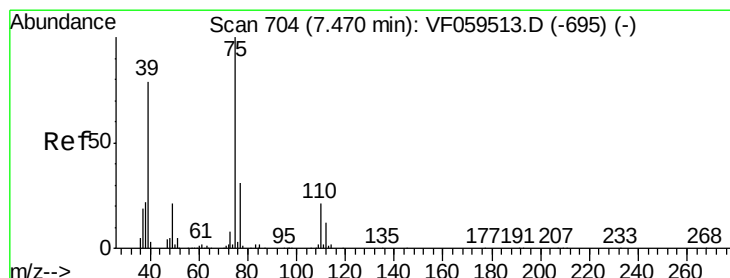
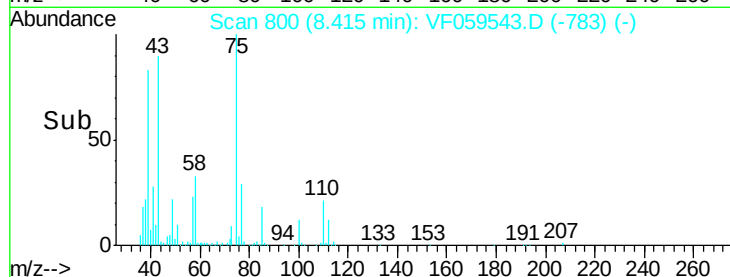
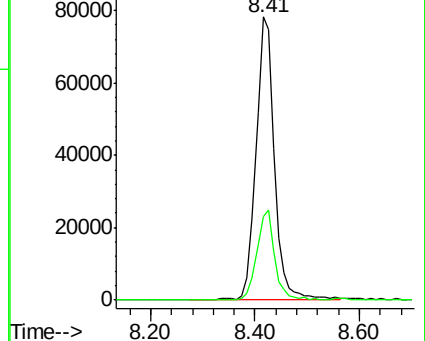
75 100

77 29.4 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: 50.886 ug/l

RT: 7.45 min Scan# 702

Delta R.T. -0.02 min

Lab File: VF059543.D

Acq: 19 Jul 2018 6:24

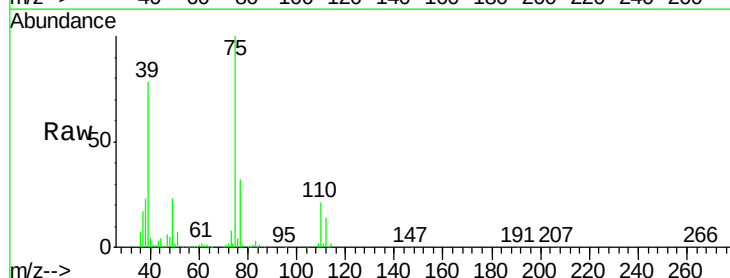
Tgt Ion: 75 Resp: 191603

Ion Ratio Lower Upper

75 100

77 32.4 25.0 37.6

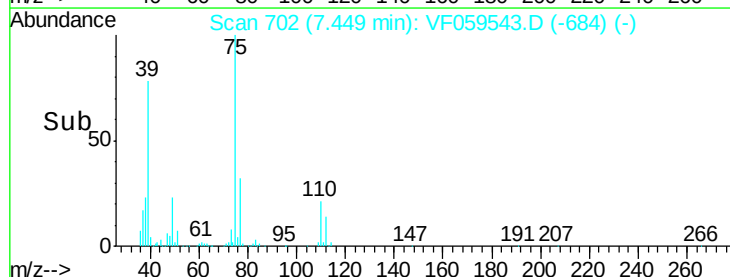
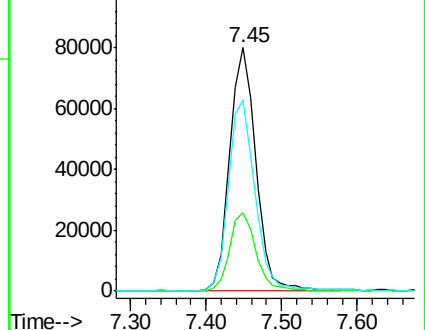
39 78.3 63.8 95.6

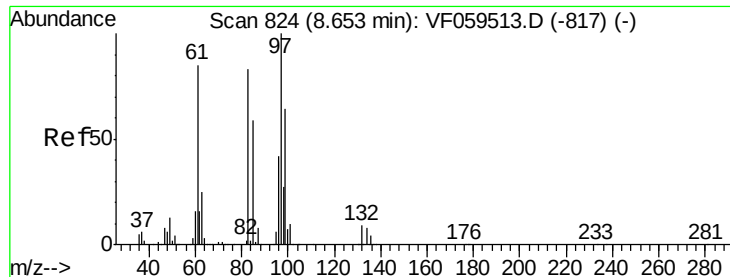


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#55

1,1,2-Trichloroethane

Concen: 52.922 ug/l

RT: 8.63 min Scan# 822

Delta R.T. -0.02 min

Lab File: VF059543.D

Acq: 19 Jul 2018 6:24

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 93965

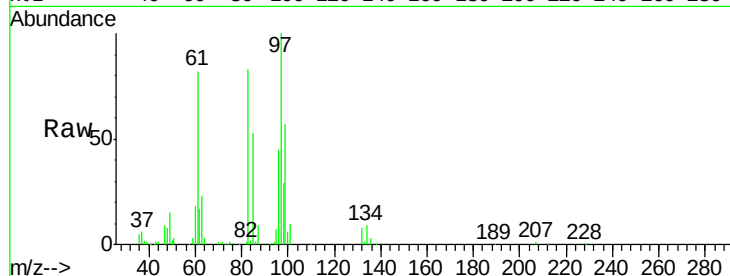
Ion Ratio Lower Upper

97 100

83 83.2 66.9 100.3

85 53.2 46.9 70.3

99 57.5 51.5 77.3

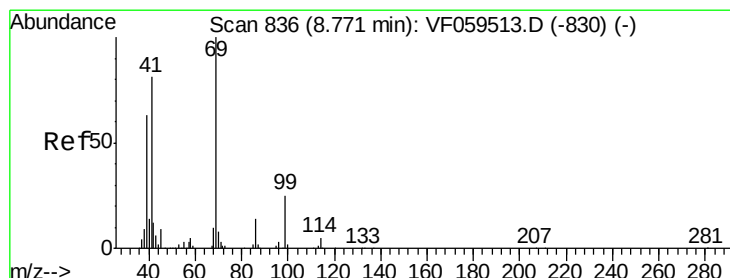
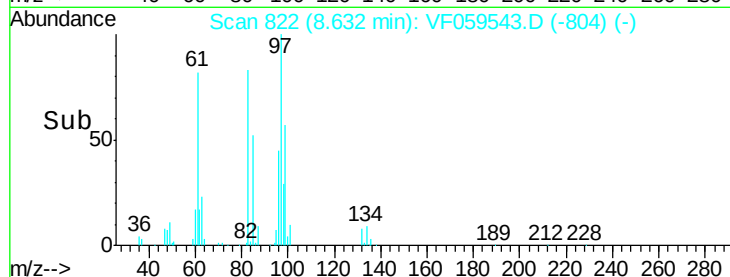
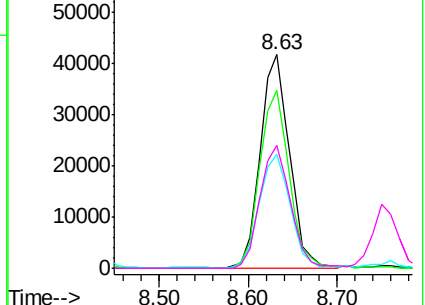


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 50.253 ug/l

RT: 8.75 min Scan# 834

Delta R.T. -0.02 min

Lab File: VF059543.D

Acq: 19 Jul 2018 6:24

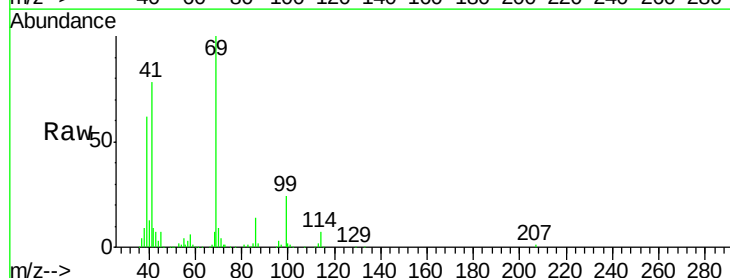
Tgt Ion: 69 Resp: 110652

Ion Ratio Lower Upper

69 100

41 78.3 65.4 98.2

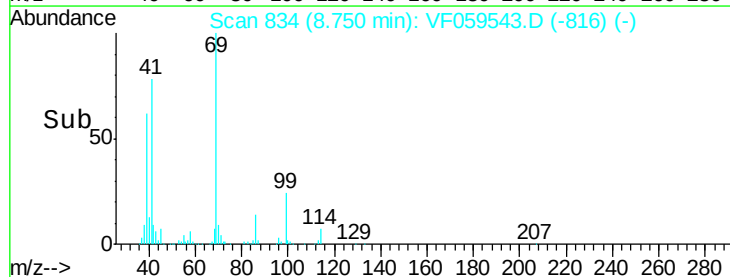
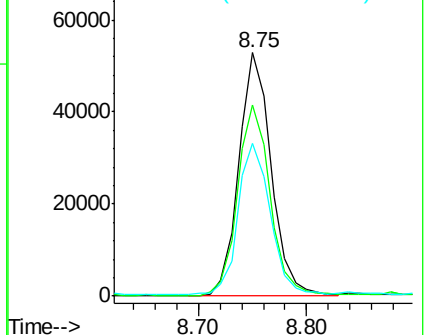
39 62.5 51.0 76.4

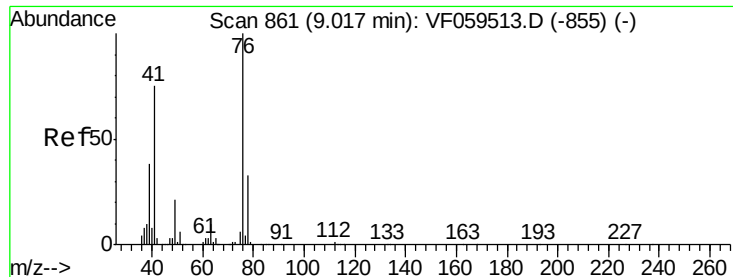


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 50.249 ug/l

RT: 8.99 min Scan# 858

Delta R.T. -0.03 min

Lab File: VF059543.D

Acq: 19 Jul 2018 6:24

Instrument :

MSVOA_F

ClientSampleId :

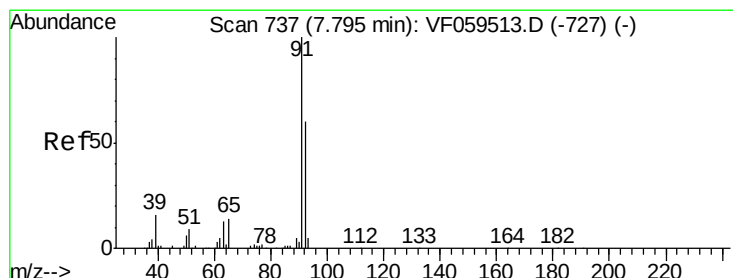
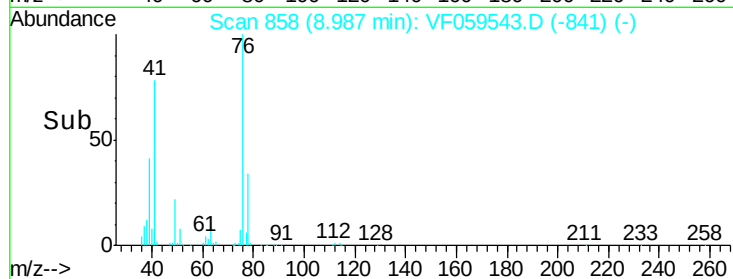
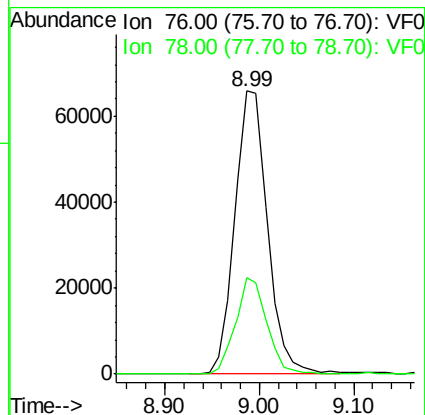
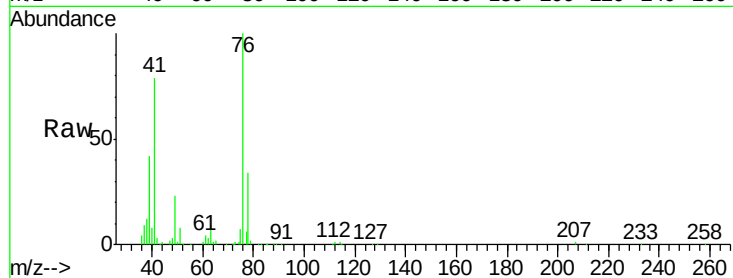
VSTDCCC050

Tot Ion: 76 Resp: 157763

Ion Ratio Lower Upper

76 100

78 34.1 26.4 39.6



#58

2-Chloroethyl Vinyl ether

Concen: 249.759 ug/l

RT: 7.76 min Scan# 734

Delta R.T. -0.03 min

Lab File: VF059543.D

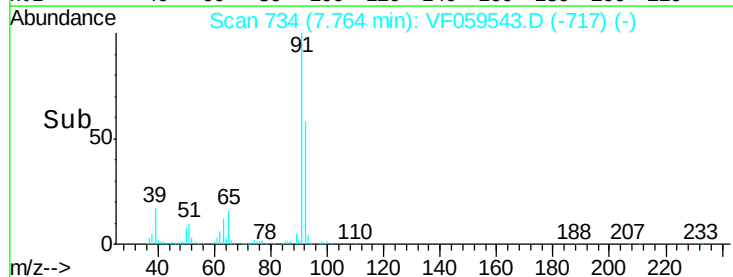
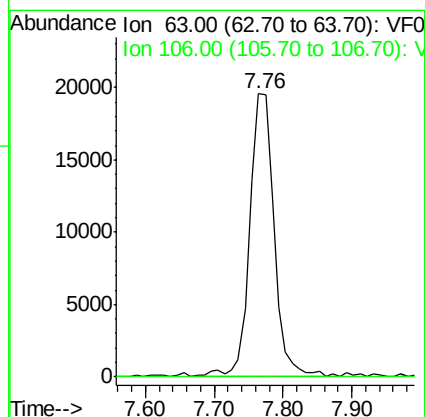
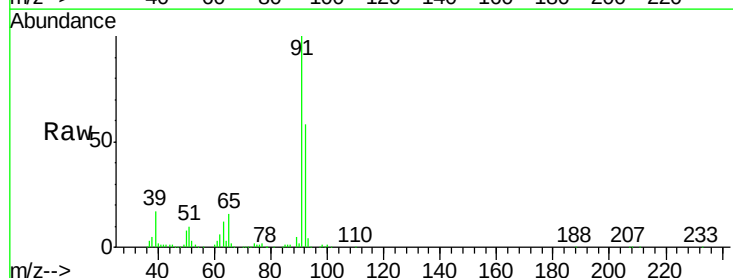
Acq: 19 Jul 2018 6:24

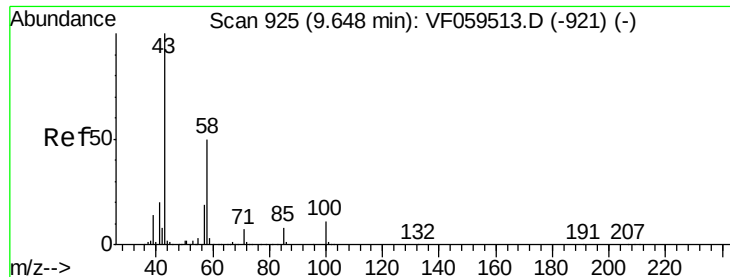
Tgt Ion: 63 Resp: 48553

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0

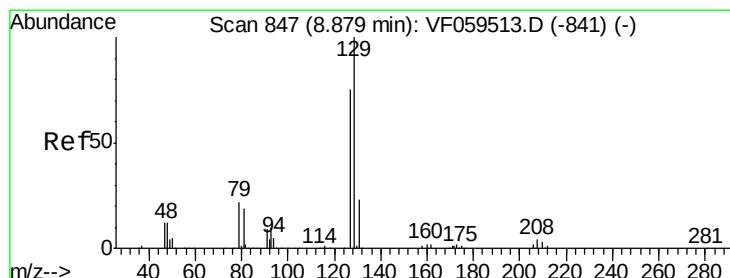
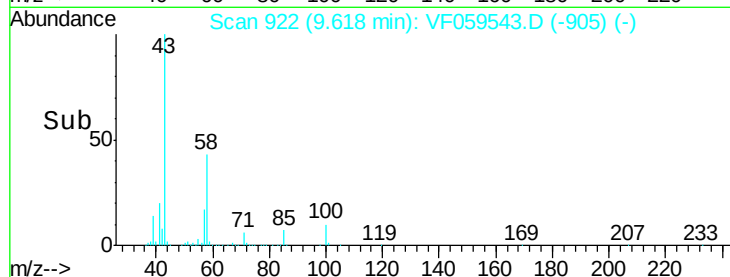
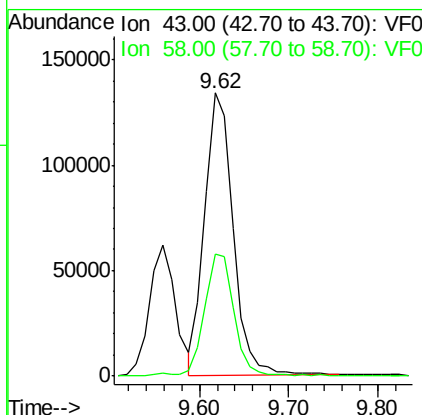
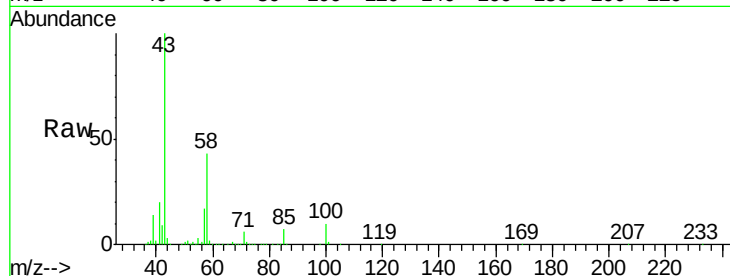




#59
2-Hexanone
Concen: 236.326 ug/l
RT: 9.62 min Scan# 922
Delta R.T. -0.03 min
Lab File: VF059543.D
Acq: 19 Jul 2018 6:24

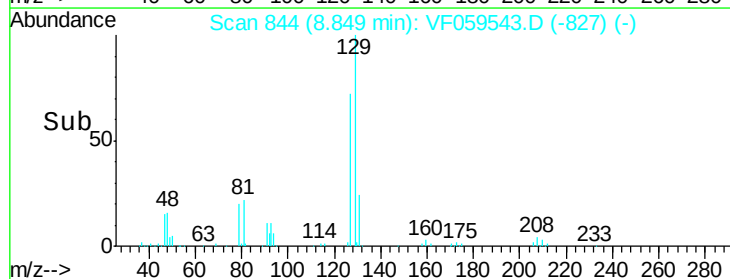
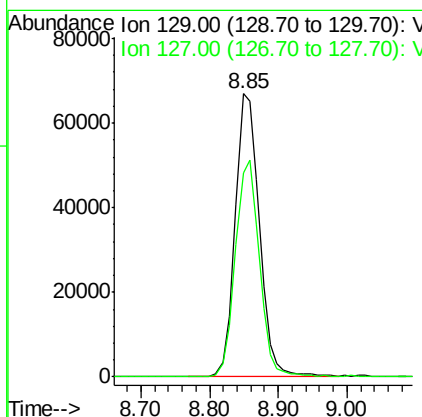
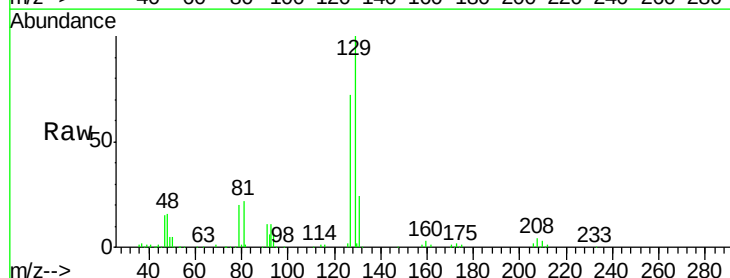
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

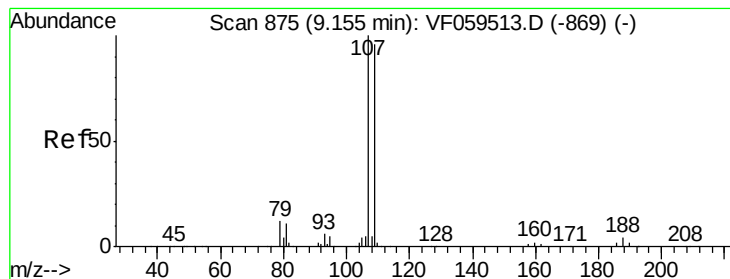
Tot Ion: 43 Resp: 296302
Ion Ratio Lower Upper
43 100
58 43.0 23.3 69.9



#60
Dibromochloromethane
Concen: 54.563 ug/l
RT: 8.85 min Scan# 844
Delta R.T. -0.03 min
Lab File: VF059543.D
Acq: 19 Jul 2018 6:24

Tgt Ion: 129 Resp: 163270
Ion Ratio Lower Upper
129 100
127 72.2 37.6 112.8





#61

1,2-Dibromoethane

Concen: 51.832 ug/l

RT: 9.12 min Scan# 872

Delta R.T. -0.03 min

Lab File: VF059543.D

Acq: 19 Jul 2018 6:24

Instrument :

MSVOA_F

ClientSampleId :

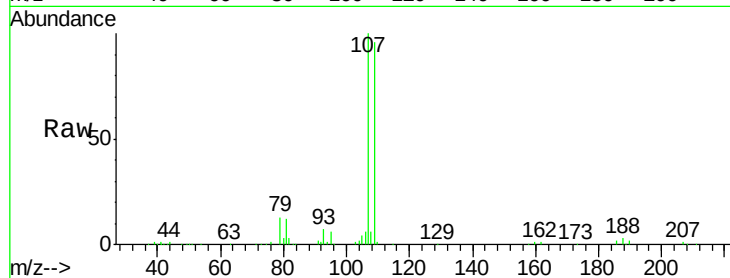
VSTDCCC050

Tot Ion:107 Resp: 114192

Ion Ratio Lower Upper

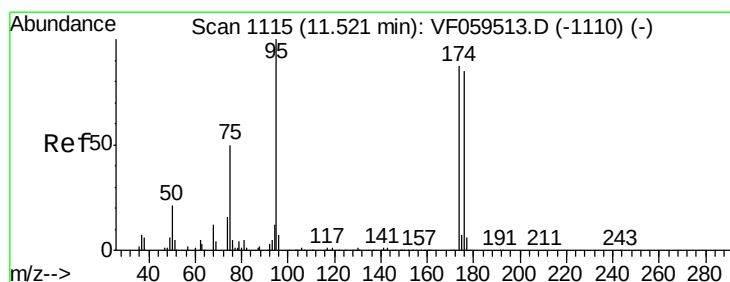
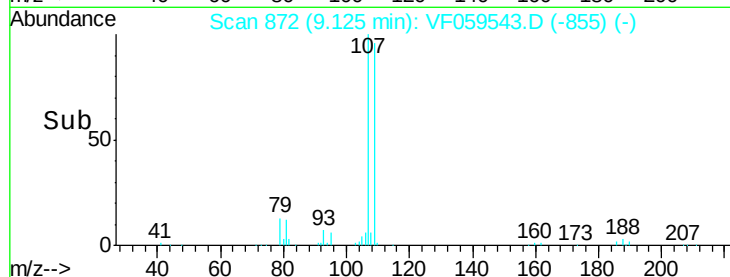
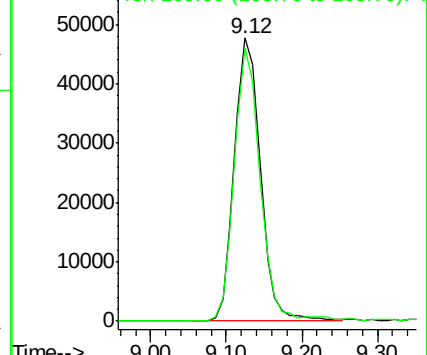
107 100

109 96.4 76.5 114.7



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 56.693 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. -0.02 min

Lab File: VF059543.D

Acq: 19 Jul 2018 6:24

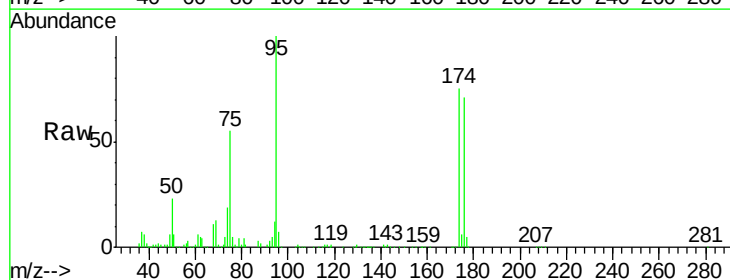
Tgt Ion: 95 Resp: 211123

Ion Ratio Lower Upper

95 100

174 74.7 0.0 174.4

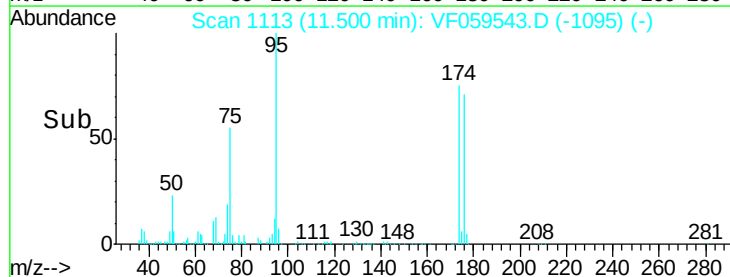
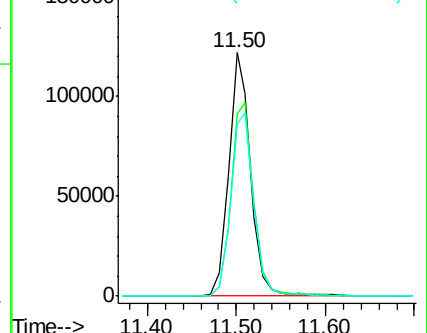
176 70.7 0.0 169.4

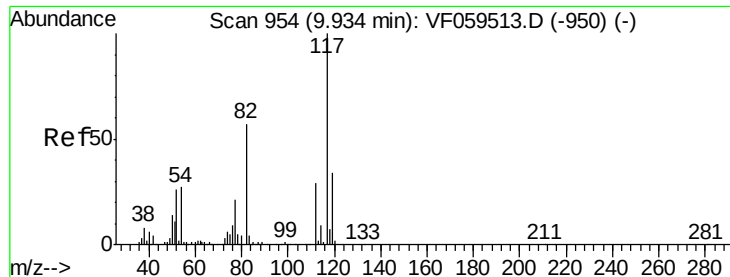


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.91 min Scan# 952

Delta R.T. -0.02 min

Lab File: VF059543.D

Acq: 19 Jul 2018 6:24

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

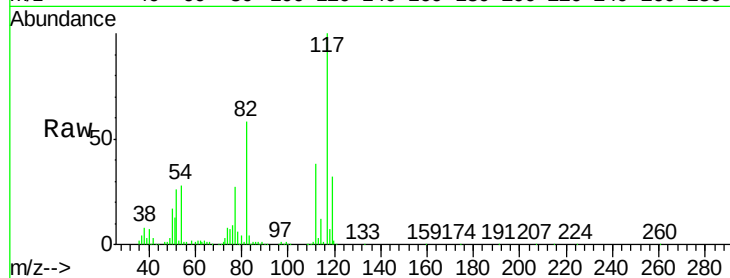
Tot Ion:117 Resp: 338127

Ion Ratio Lower Upper

117 100

82 57.6 46.1 69.1

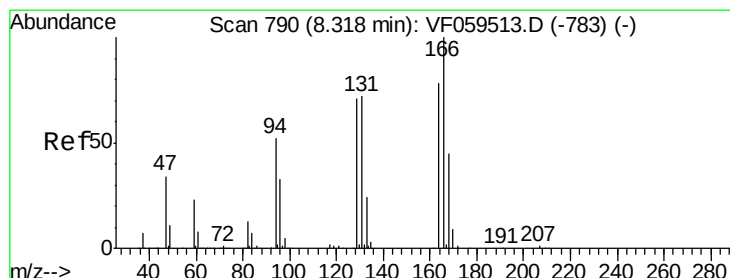
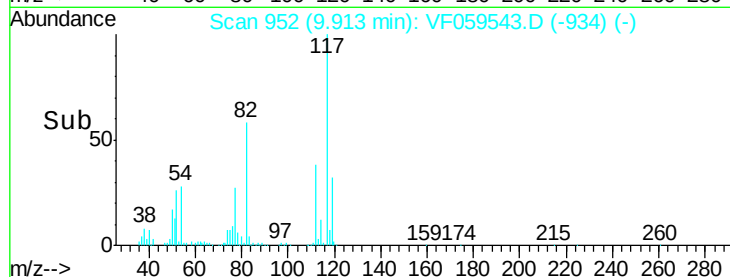
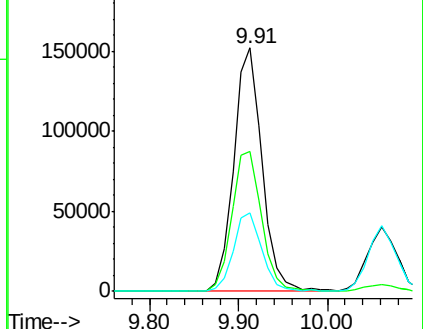
119 32.1 27.2 40.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): V

Ion 119.00 (118.70 to 119.70): V



#64

Tetrachloroethene

Concen: 49.409 ug/l

RT: 8.30 min Scan# 788

Delta R.T. -0.02 min

Lab File: VF059543.D

Acq: 19 Jul 2018 6:24

Tgt Ion:164 Resp: 124410

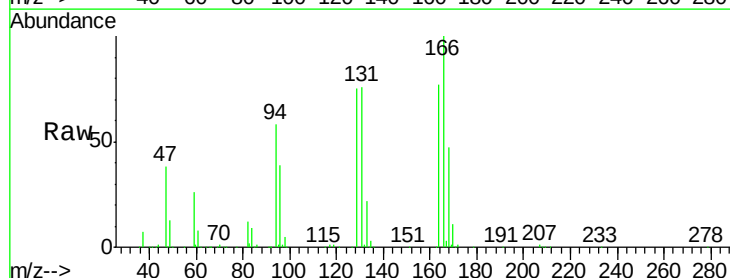
Ion Ratio Lower Upper

164 100

166 129.8 102.3 153.5

129 98.0 72.4 108.6

131 98.9 73.7 110.5

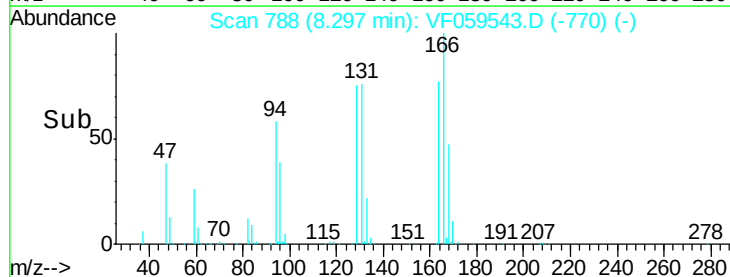
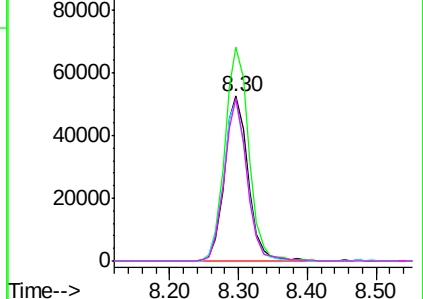


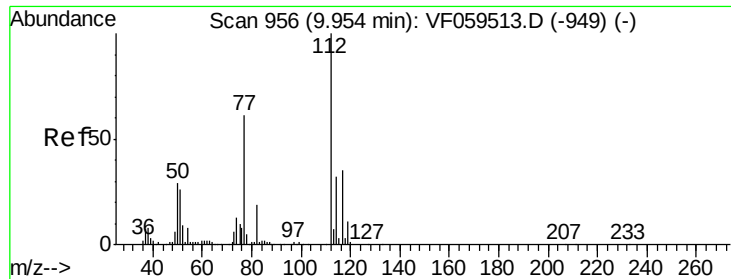
Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V

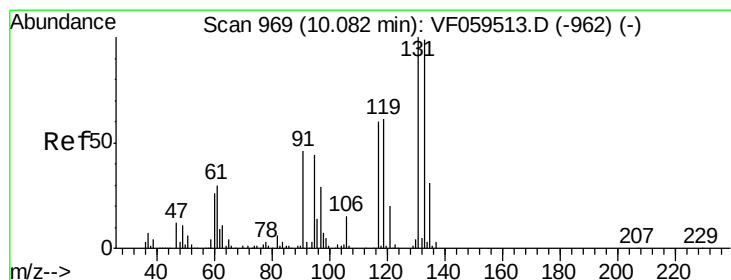
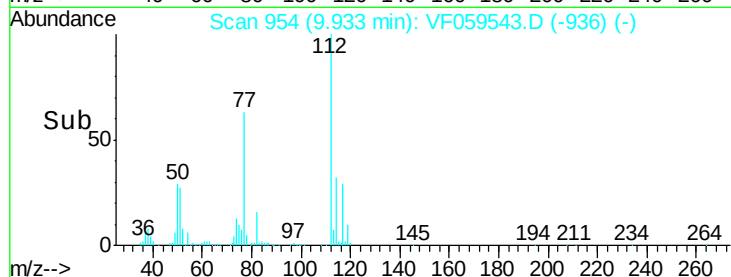
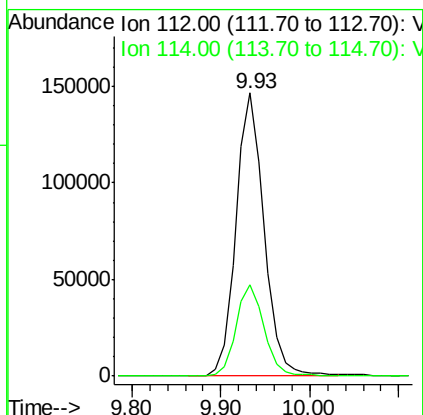
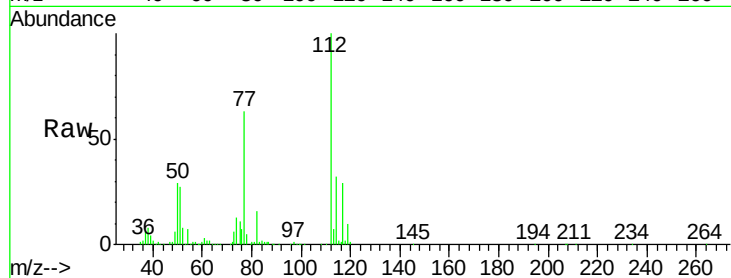




#65
Chlorobenzene
Concen: 50.675 ug/l
RT: 9.93 min Scan# 954
Delta R.T. -0.02 min
Lab File: VF059543.D
Acq: 19 Jul 2018 6:24

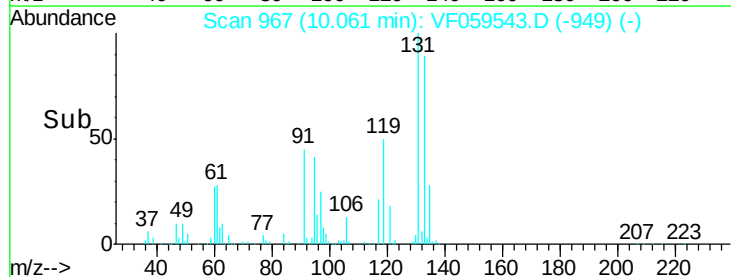
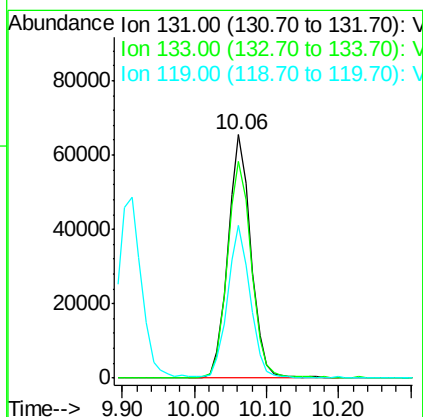
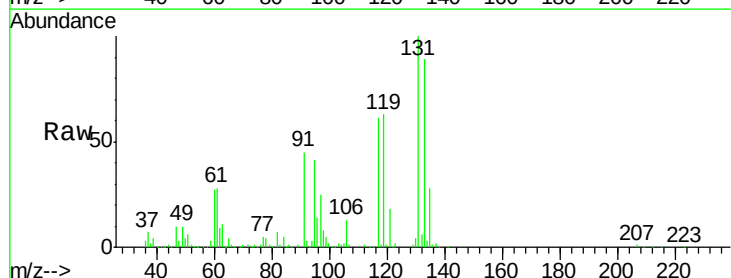
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

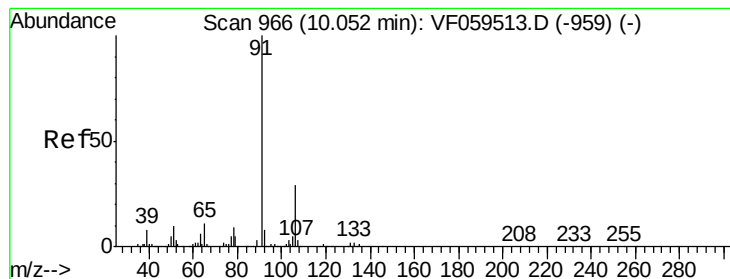
Tot Ion:112 Resp: 321345
Ion Ratio Lower Upper
112 100
114 32.4 25.4 38.2



#66
1,1,1,2-Tetrachloroethane
Concen: 50.102 ug/l
RT: 10.06 min Scan# 967
Delta R.T. -0.02 min
Lab File: VF059543.D
Acq: 19 Jul 2018 6:24

Tgt Ion:131 Resp: 144714
Ion Ratio Lower Upper
131 100
133 88.8 49.6 148.8
119 63.0 31.4 94.3





#67

Ethyl Benzene

Concen: 48.951 ug/l

RT: 10.03 min Scan# 964

Delta R.T. -0.02 min

Lab File: VF059543.D

Acq: 19 Jul 2018 6:24

Instrument :

MSVOA_F

ClientSampleId :

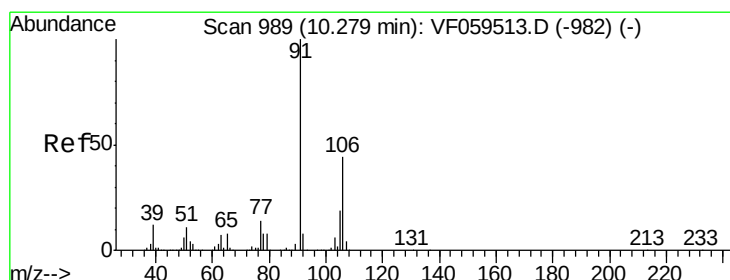
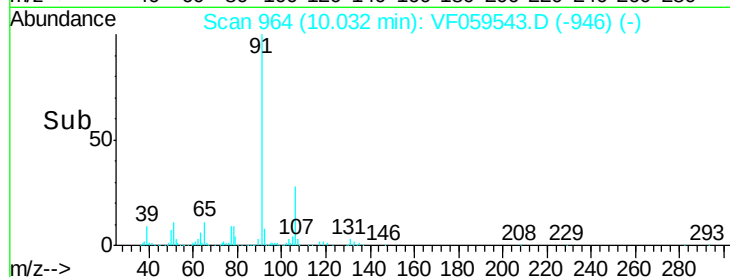
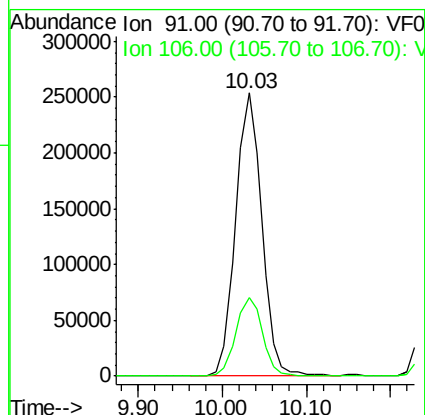
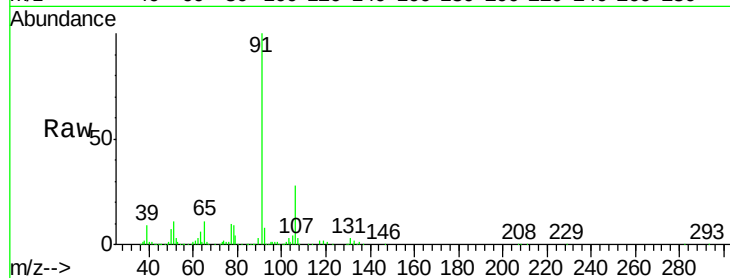
VSTDCCC050

Tot Ion: 91 Resp: 552547

Ion Ratio Lower Upper

91 100

106 27.9 23.4 35.2



#68

m/p-Xylenes

Concen: 97.062 ug/l

RT: 10.26 min Scan# 987

Delta R.T. -0.02 min

Lab File: VF059543.D

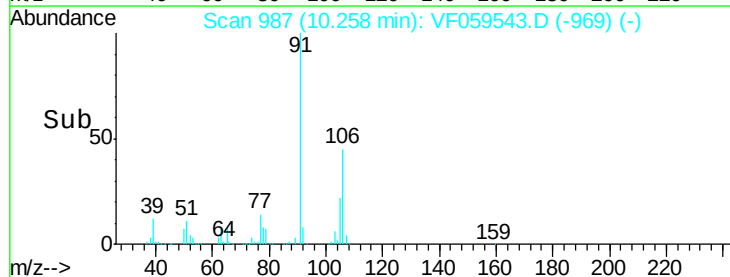
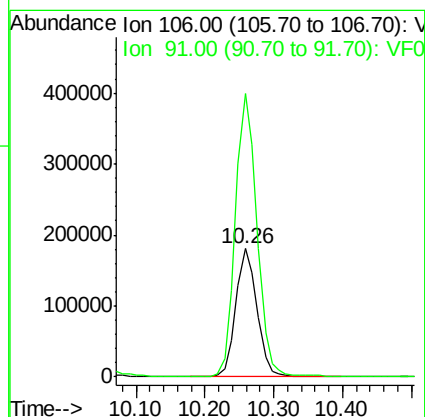
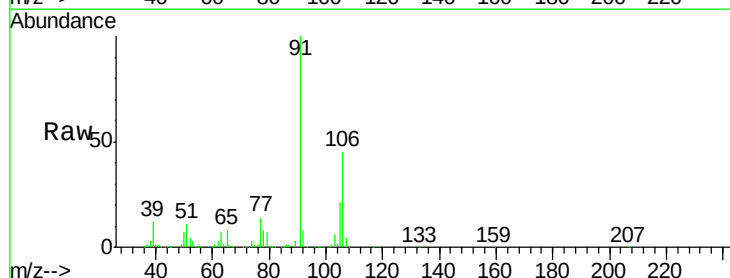
Acq: 19 Jul 2018 6:24

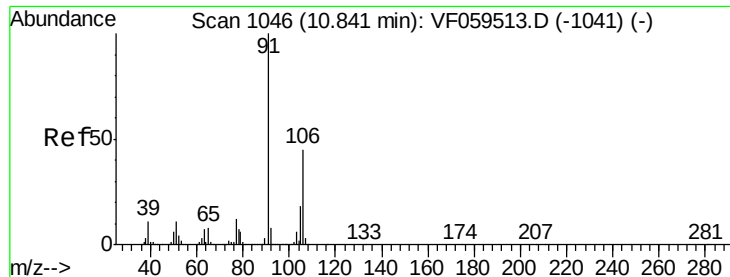
Tgt Ion: 106 Resp: 386690

Ion Ratio Lower Upper

106 100

91 220.8 181.0 271.4

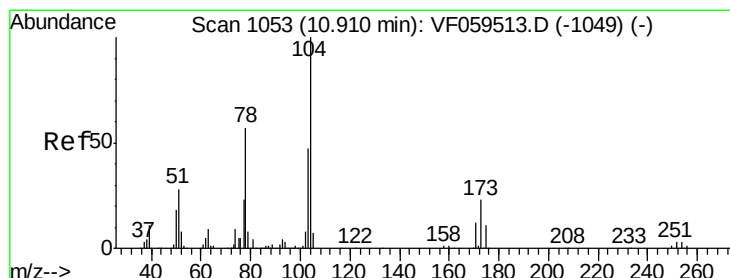
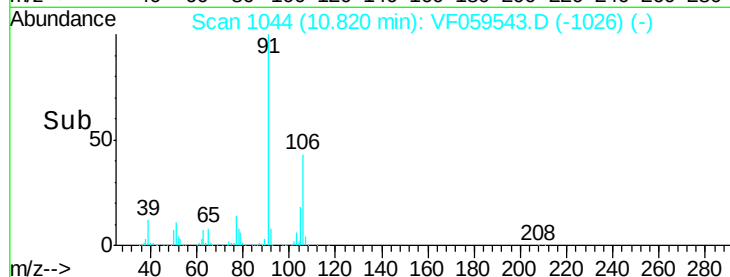
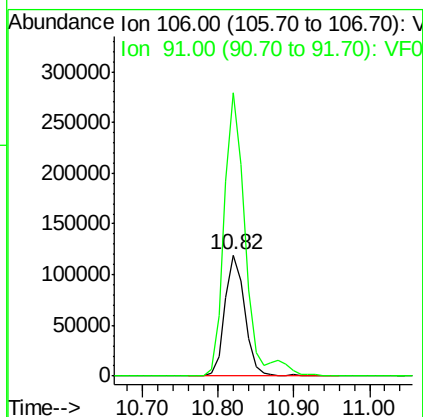
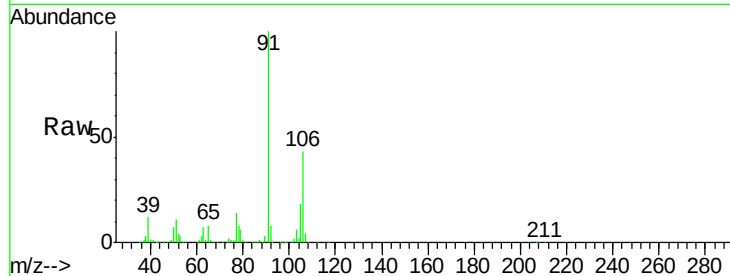




#69
o-Xylene
Concen: 51.469 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. -0.02 min
Lab File: VF059543.D
Acq: 19 Jul 2018 6:24

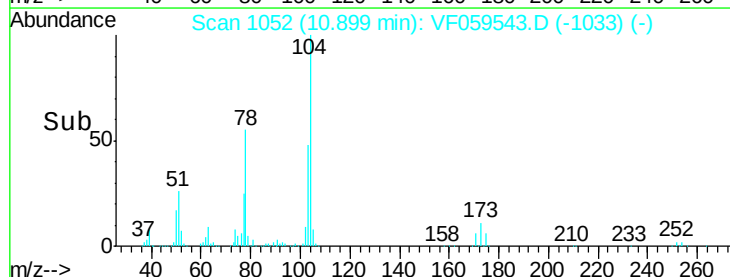
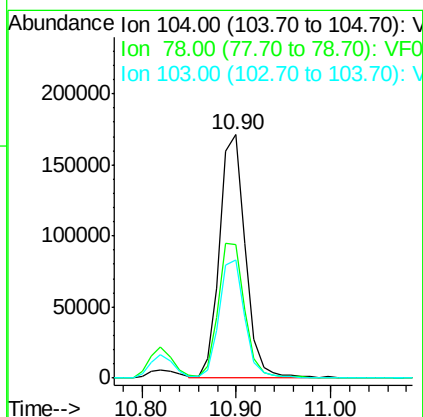
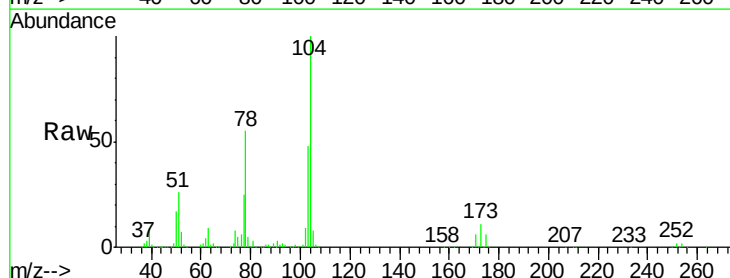
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

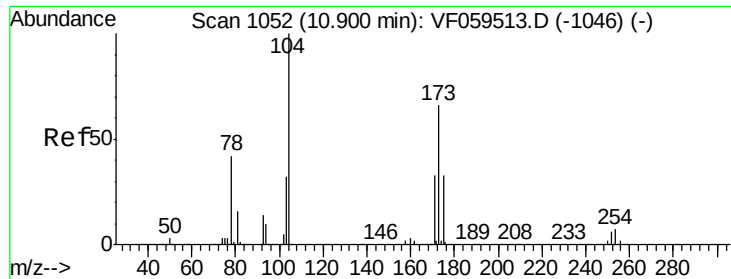
Tot Ion:106 Resp: 218345
Ion Ratio Lower Upper
106 100
91 233.9 112.3 336.9



#70
Styrene
Concen: 49.558 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VF059543.D
Acq: 19 Jul 2018 6:24

Tgt Ion:104 Resp: 323154
Ion Ratio Lower Upper
104 100
78 54.8 45.7 68.5
103 48.3 38.1 57.1





#71

Bromoform

Concen: 48.700 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. -0.02 min

Lab File: VF059543.D

Acq: 19 Jul 2018 6:24

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

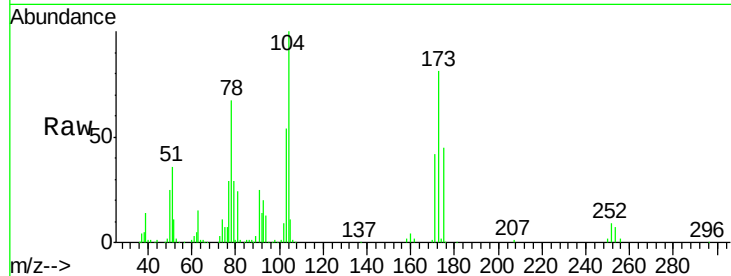
Tot Ion:173 Resp: 97708

Ion Ratio Lower Upper

173 100

175 55.7 25.3 75.8

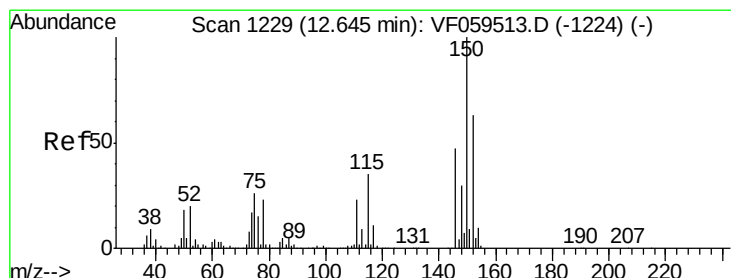
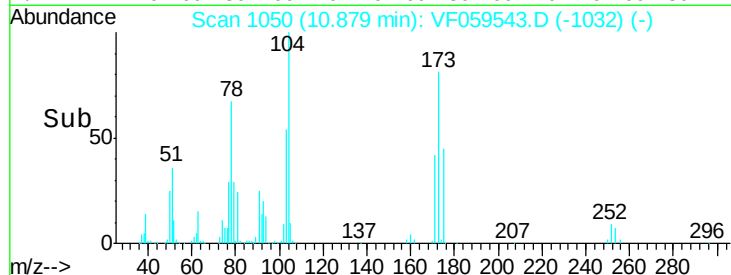
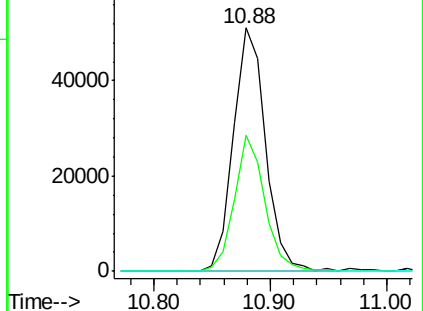
254 0.0 0.0 0.0



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# 1227

Delta R.T. -0.02 min

Lab File: VF059543.D

Acq: 19 Jul 2018 6:24

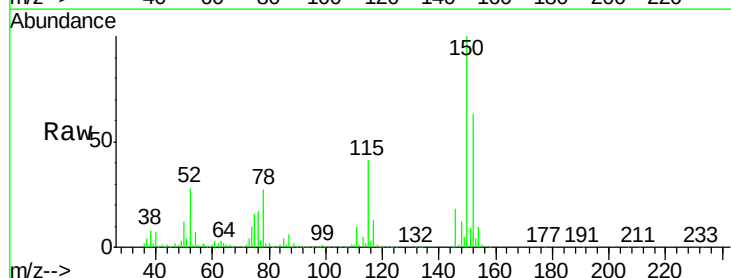
Tgt Ion:152 Resp: 213756

Ion Ratio Lower Upper

152 100

115 66.1 27.8 83.3

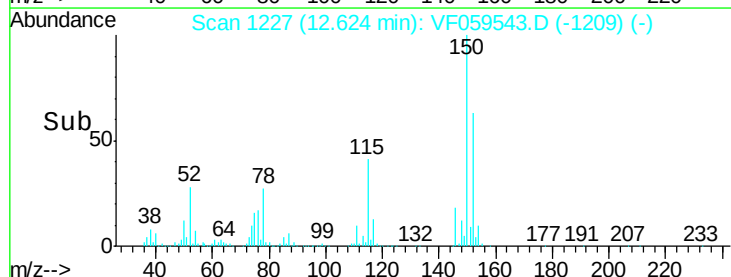
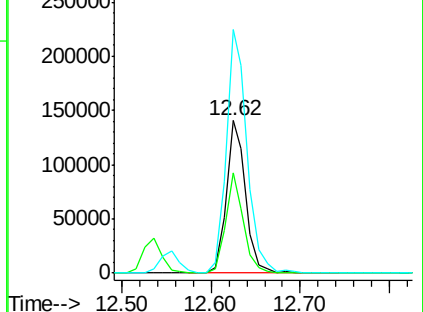
150 159.9 0.0 318.4

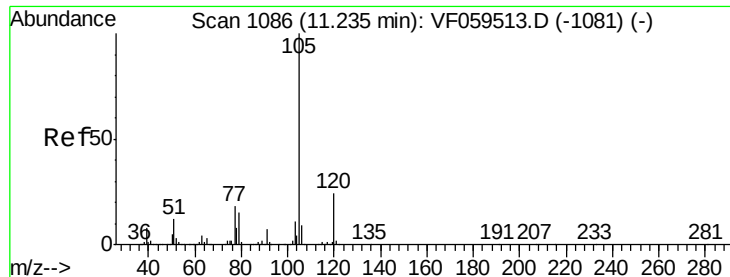


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 46.087 ug/l

RT: 11.22 min Scan# 1085

Delta R.T. -0.01 min

Lab File: VF059543.D

Acq: 19 Jul 2018 6:24

Instrument :

MSVOA_F

ClientSampleId :

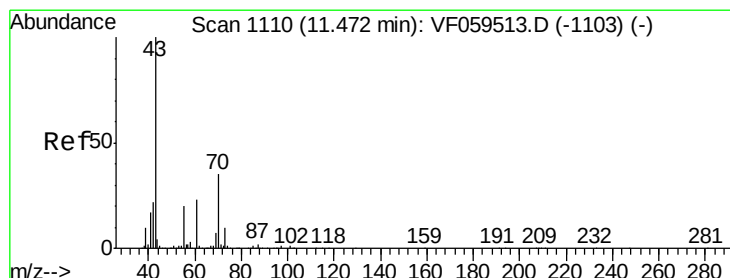
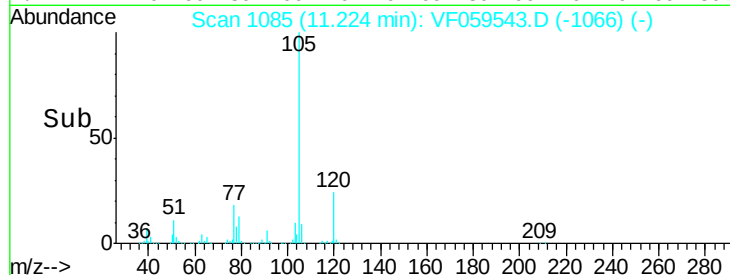
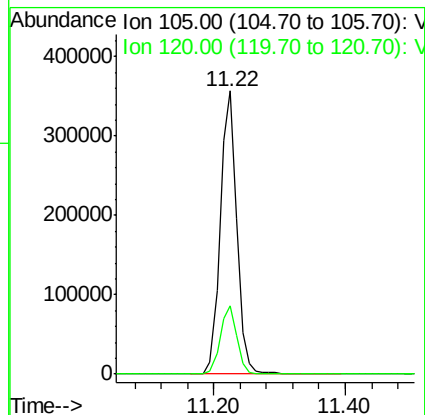
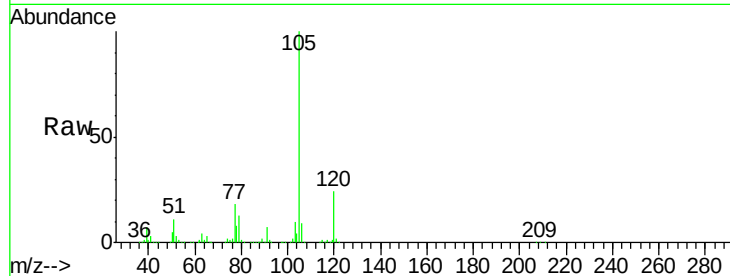
VSTDCCC050

Tot Ion:105 Resp: 621641

Ion Ratio Lower Upper

105 100

120 24.0 12.0 36.0



#74

N-ethyl acetate

Concen: 43.117 ug/l

RT: 11.46 min Scan# 1109

Delta R.T. -0.01 min

Lab File: VF059543.D

Acq: 19 Jul 2018 6:24

Tgt Ion: 43 Resp: 186260

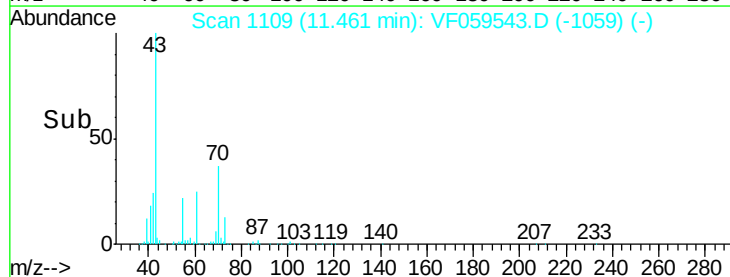
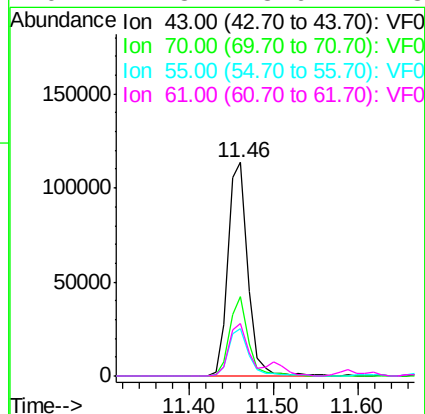
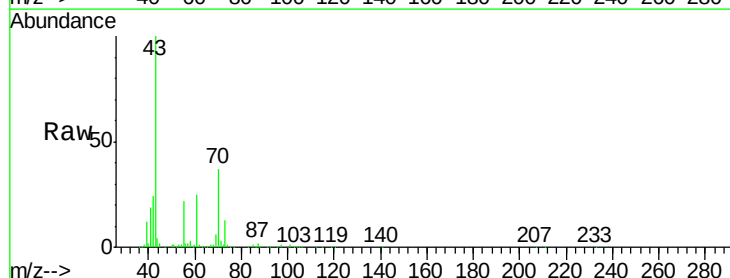
Ion Ratio Lower Upper

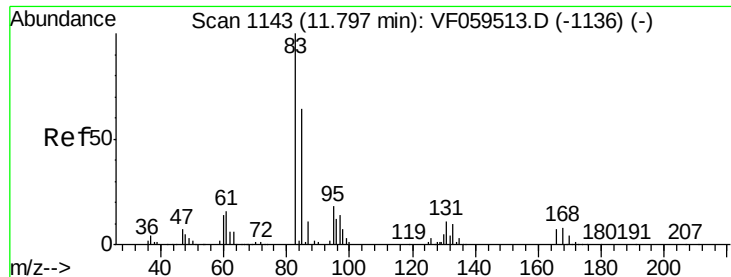
43 100

70 37.3 27.9 41.9

55 22.1 16.2 24.2

61 24.8 18.6 27.8





#75

1,1,2,2-Tetrachloroethane

Concen: 46.294 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. -0.02 min

Lab File: VF059543.D

Acq: 19 Jul 2018 6:24

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

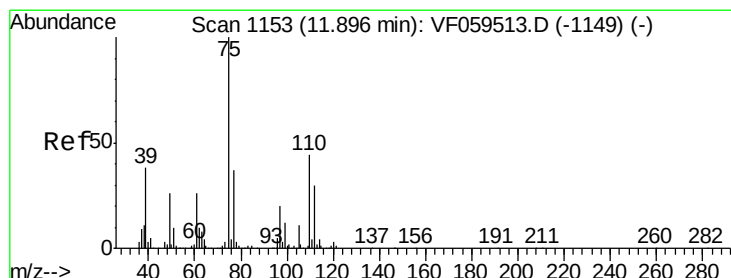
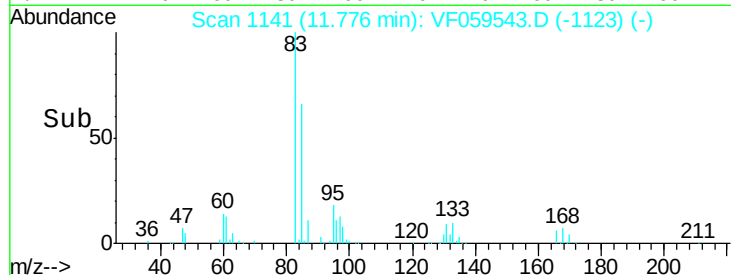
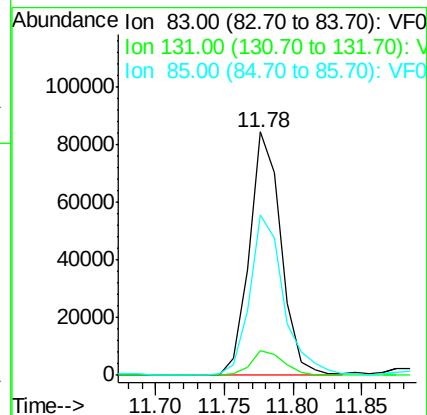
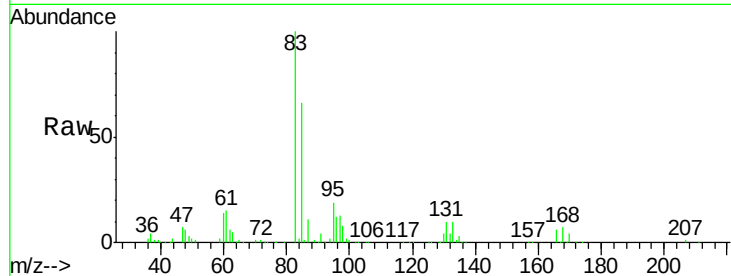
Tot Ion: 83 Resp: 136193

Ion Ratio Lower Upper

83 100

131 9.9 5.7 17.1

85 65.7 31.9 95.9



#76

1,2,3-Trichloropropane

Concen: 46.420 ug/l

RT: 11.87 min Scan# 1151

Delta R.T. -0.02 min

Lab File: VF059543.D

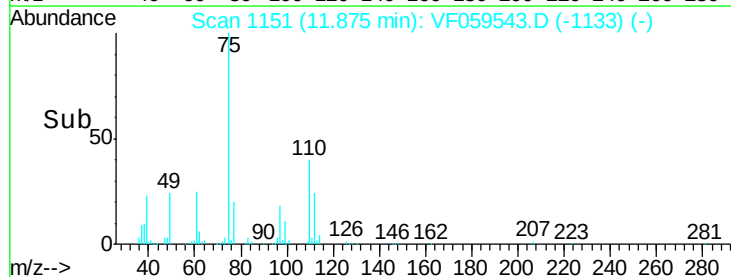
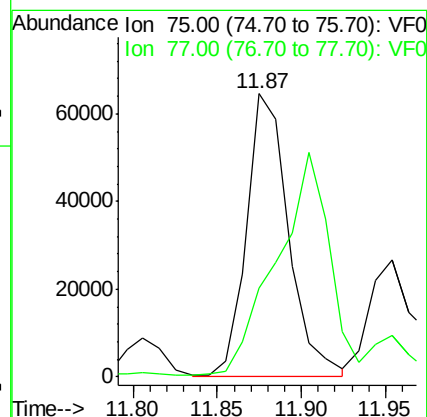
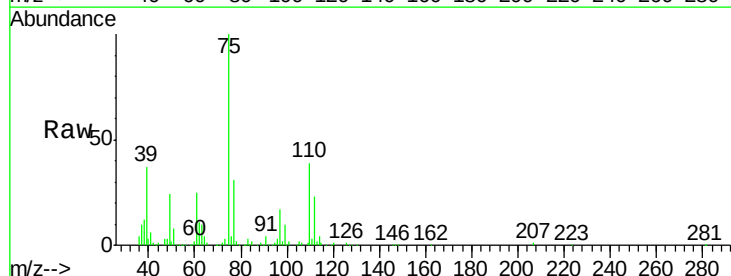
Acq: 19 Jul 2018 6:24

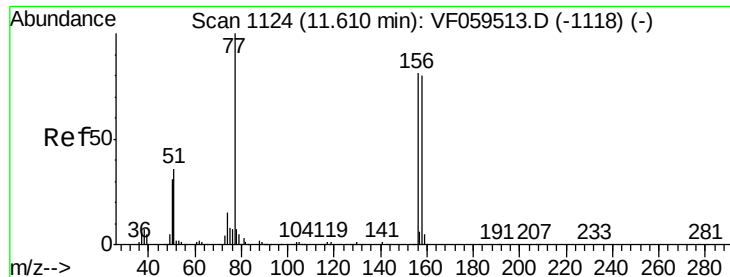
Tgt Ion: 75 Resp: 111518

Ion Ratio Lower Upper

75 100

77 31.3 18.7 56.1





#77

Bromobenzene

Concen: 47.370 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. -0.02 min

Lab File: VF059543.D

Acq: 19 Jul 2018 6:24

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

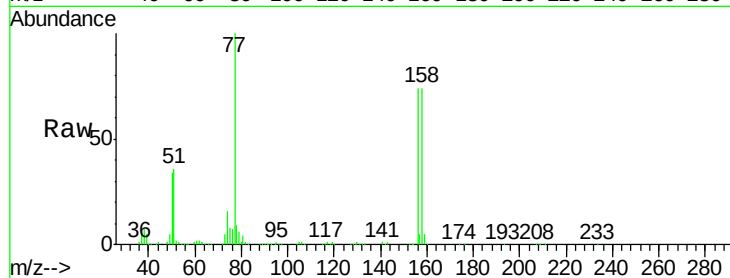
Tot Ion:156 Resp: 179094

Ion Ratio Lower Upper

156 100

77 135.9 62.0 186.0

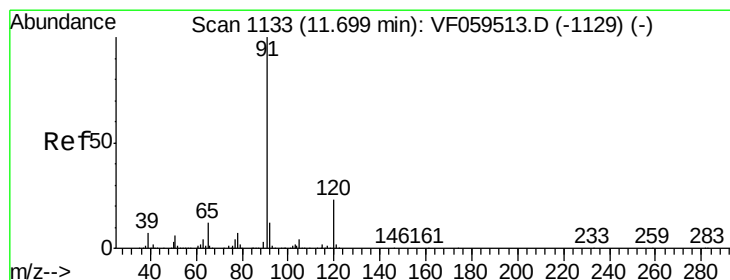
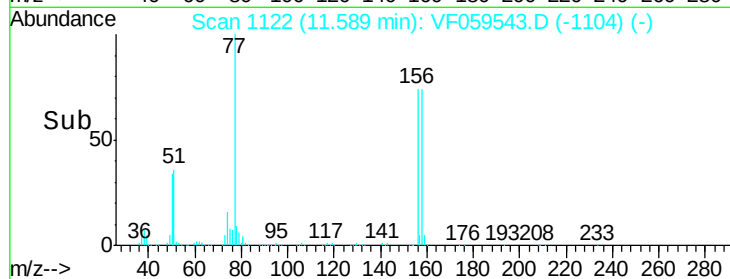
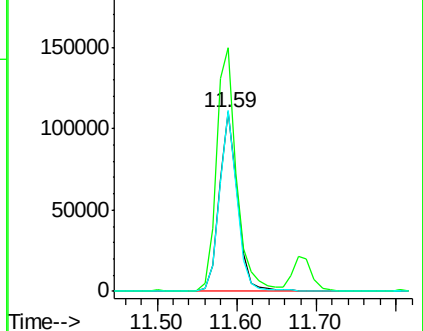
158 101.1 49.8 149.3



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 50.244 ug/l

RT: 11.68 min Scan# 1131

Delta R.T. -0.02 min

Lab File: VF059543.D

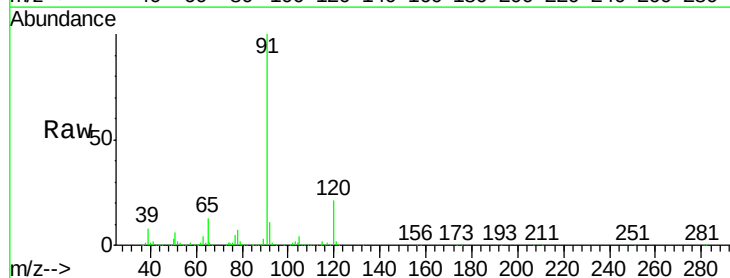
Acq: 19 Jul 2018 6:24

Tgt Ion: 91 Resp: 777384

Ion Ratio Lower Upper

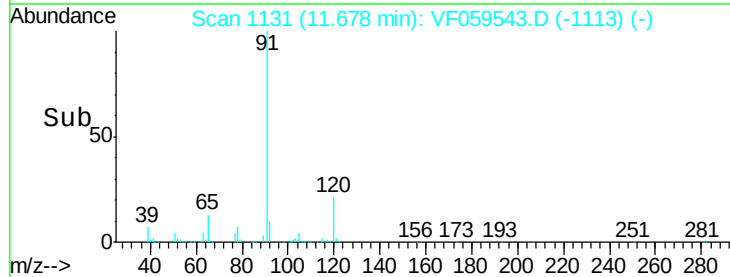
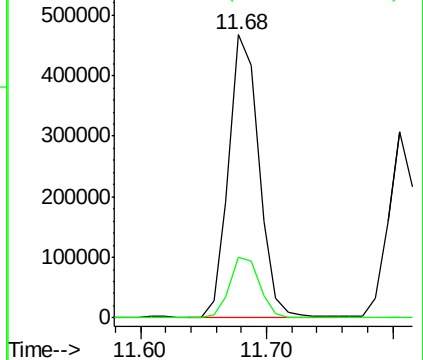
91 100

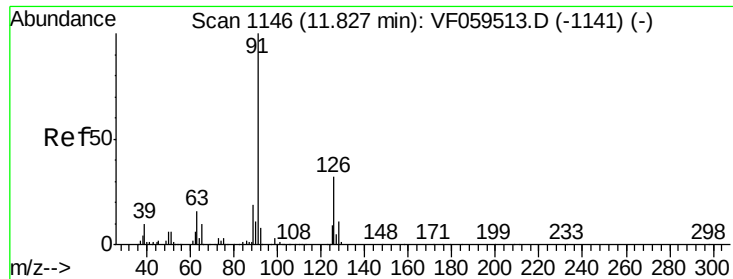
120 21.3 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

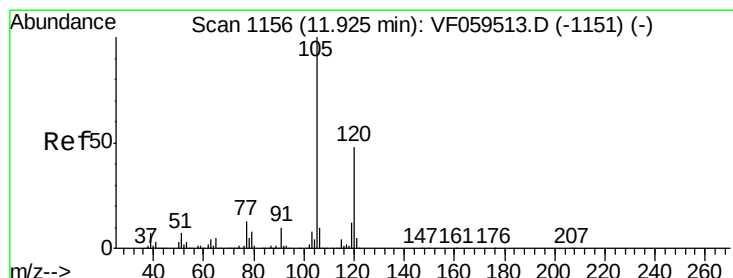
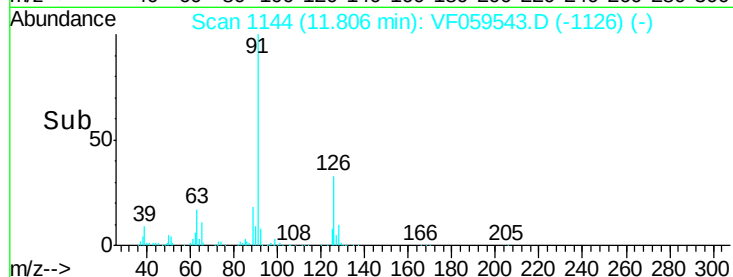
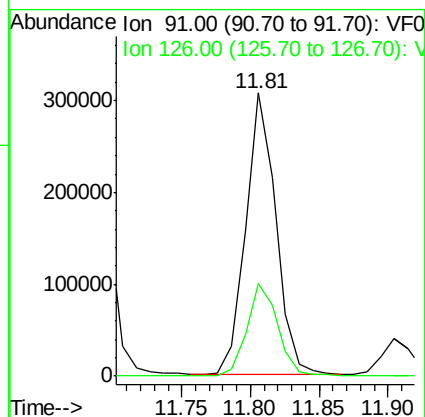
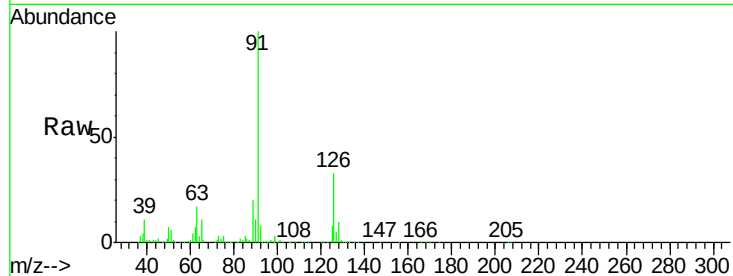




#79
 2-Chlorotoluene
 Concen: 49.029 ug/l
 RT: 11.81 min Scan# 1144
 Delta R.T. -0.02 min
 Lab File: VF059543.D
 Acq: 19 Jul 2018 6:24

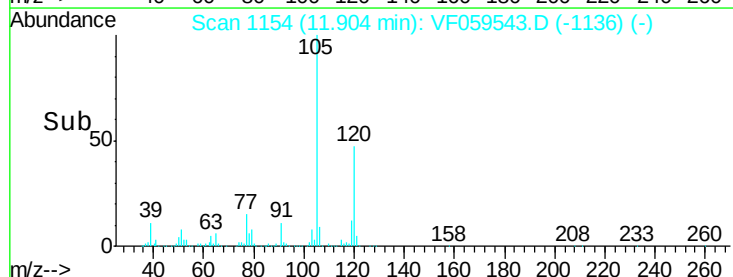
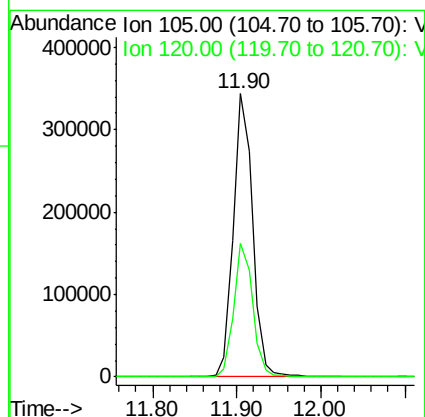
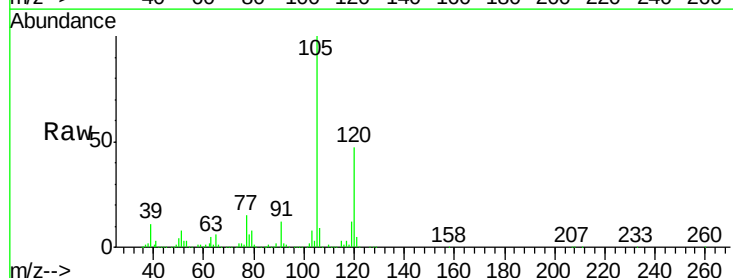
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

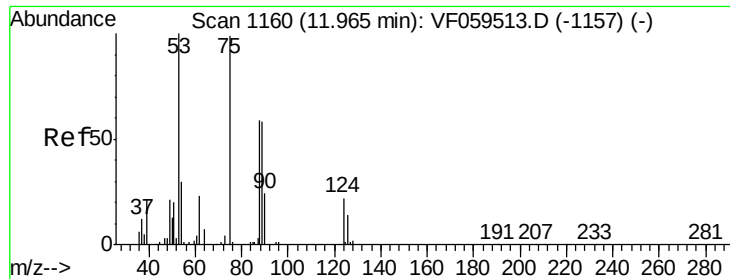
Tot Ion: 91 Resp: 467265
 Ion Ratio Lower Upper
 91 100
 126 32.7 15.7 47.1



#80
 1,3,5-Trimethylbenzene
 Concen: 48.505 ug/l
 RT: 11.90 min Scan# 1154
 Delta R.T. -0.02 min
 Lab File: VF059543.D
 Acq: 19 Jul 2018 6:24

Tgt Ion: 105 Resp: 548215
 Ion Ratio Lower Upper
 105 100
 120 47.0 24.1 72.4





#81

trans-1,4-Dichloro-2-butene

Concen: 55.899 ug/l

RT: 11.95 min Scan# 1159

Delta R.T. -0.01 min

Lab File: VF059543.D

Acq: 19 Jul 2018 6:24

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

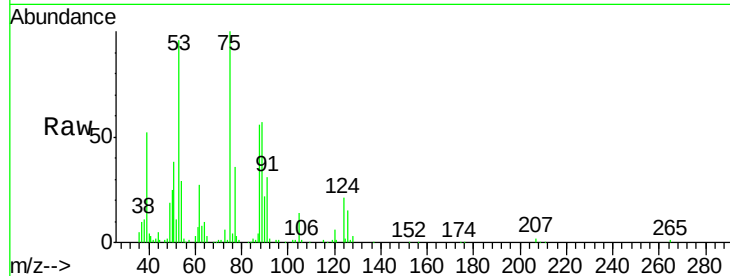
Tot Ion: 75 Resp: 61345

Ion Ratio Lower Upper

75 100

53 96.1 84.6 127.0

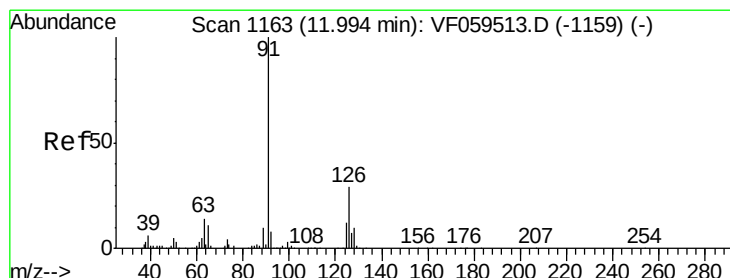
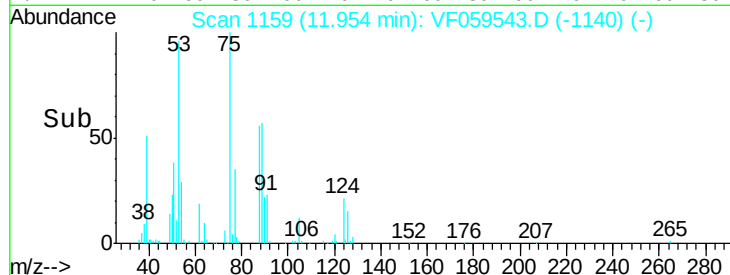
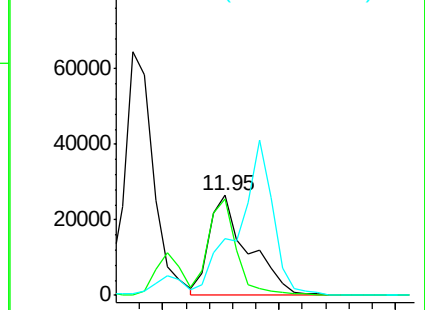
89 56.8 48.2 72.4



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: 49.202 ug/l

RT: 11.98 min Scan# 1162

Delta R.T. -0.01 min

Lab File: VF059543.D

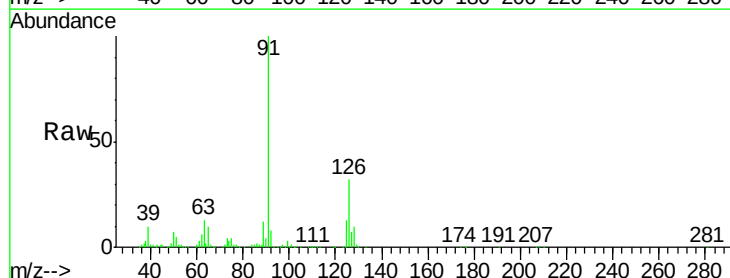
Acq: 19 Jul 2018 6:24

Tgt Ion: 91 Resp: 525407

Ion Ratio Lower Upper

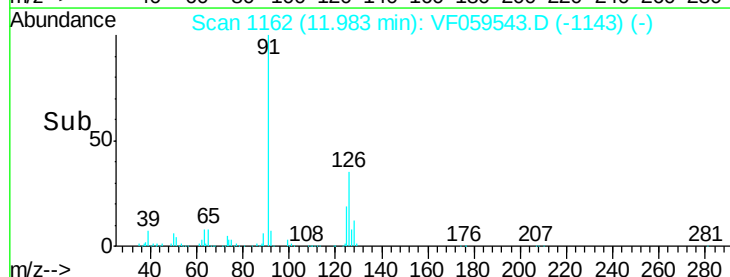
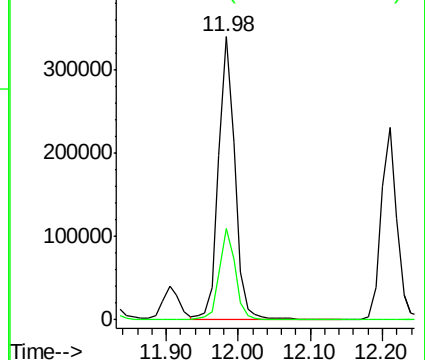
91 100

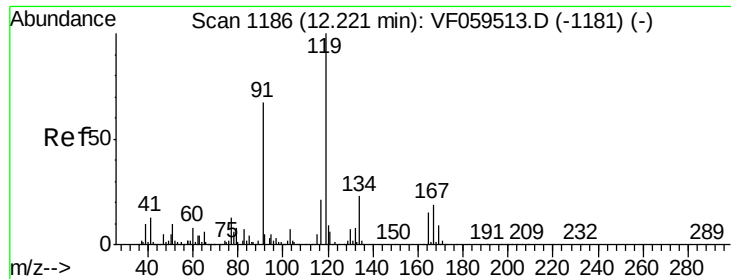
126 32.1 14.4 43.4



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V





#83

tert-Butylbenzene

Concen: 50.228 ug/l

RT: 12.21 min Scan# 1185

Delta R.T. -0.01 min

Lab File: VF059543.D

Acq: 19 Jul 2018 6:24

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

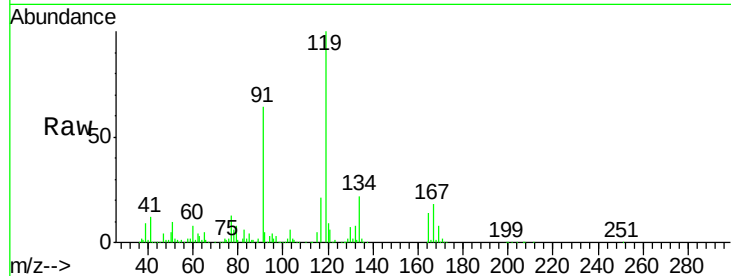
Tot Ion:119 Resp: 544854

Ion Ratio Lower Upper

119 100

91 63.6 33.5 100.5

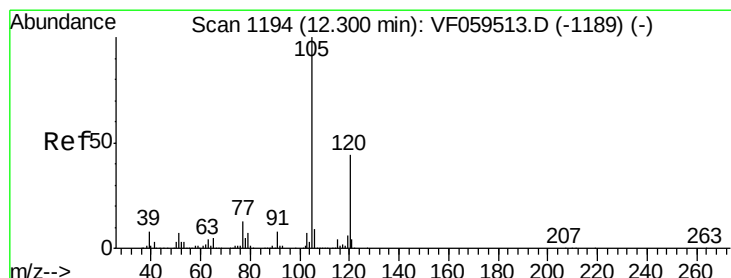
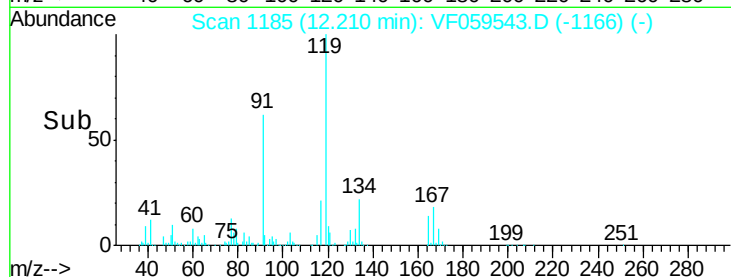
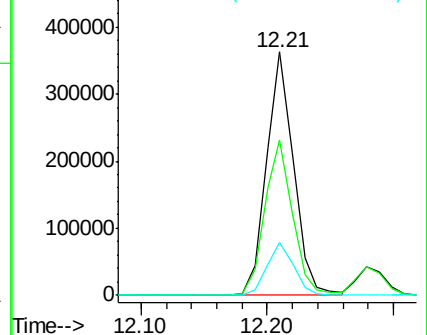
134 21.8 11.3 33.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VF0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 50.337 ug/l

RT: 12.28 min Scan# 1192

Delta R.T. -0.02 min

Lab File: VF059543.D

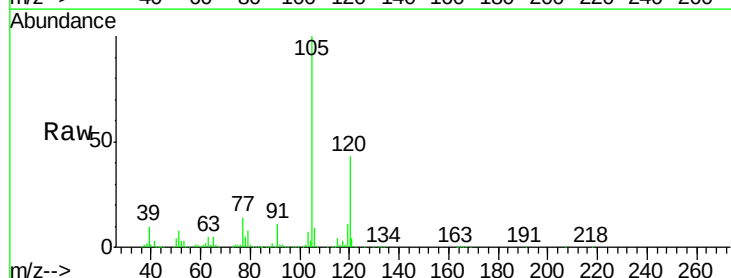
Acq: 19 Jul 2018 6:24

Tgt Ion:105 Resp: 585326

Ion Ratio Lower Upper

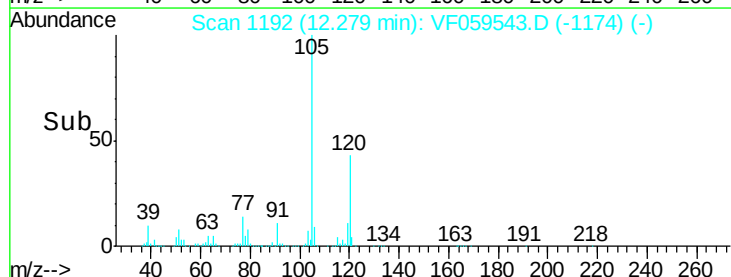
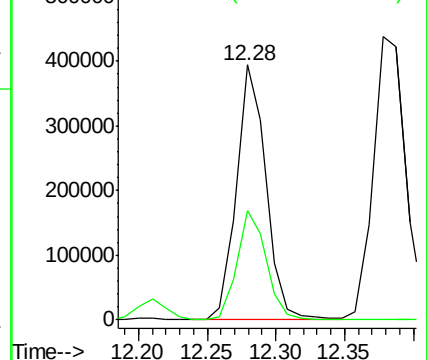
105 100

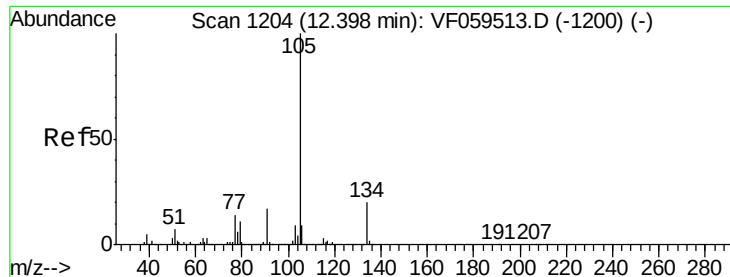
120 42.8 22.5 67.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 52.108 ug/l

RT: 12.38 min Scan# 1202

Delta R.T. -0.02 min

Lab File: VF059543.D

Acq: 19 Jul 2018 6:24

Instrument :

MSVOA_F

ClientSampleId :

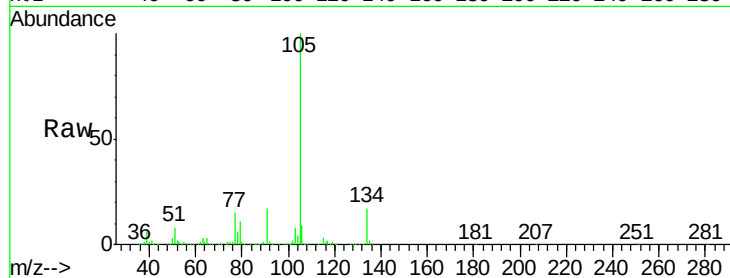
VSTDCCC050

Tot Ion:105 Resp: 718853

Ion Ratio Lower Upper

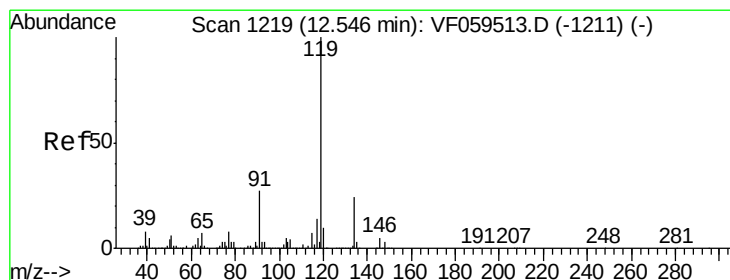
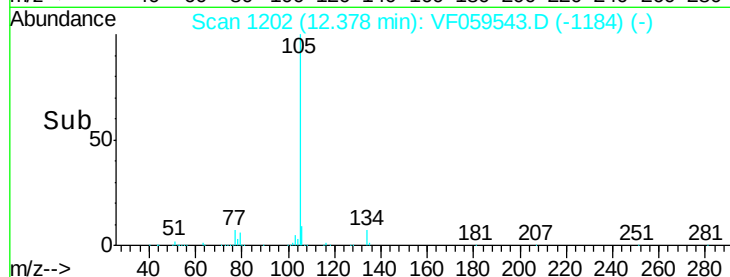
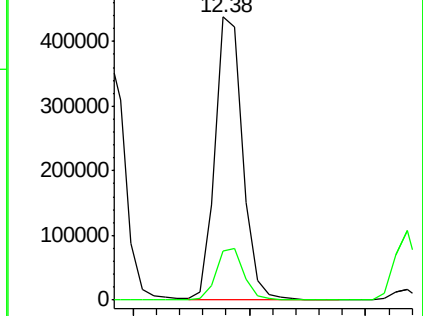
105 100

134 17.5 10.1 30.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 51.638 ug/l

RT: 12.54 min Scan# 1218

Delta R.T. -0.01 min

Lab File: VF059543.D

Acq: 19 Jul 2018 6:24

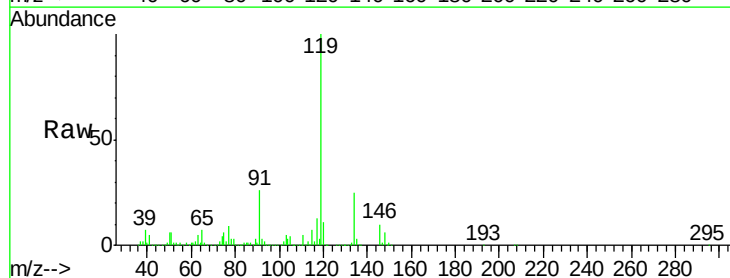
Tgt Ion:119 Resp: 619815

Ion Ratio Lower Upper

119 100

134 24.7 12.0 36.0

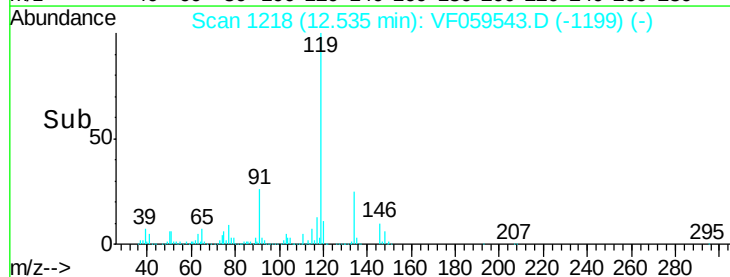
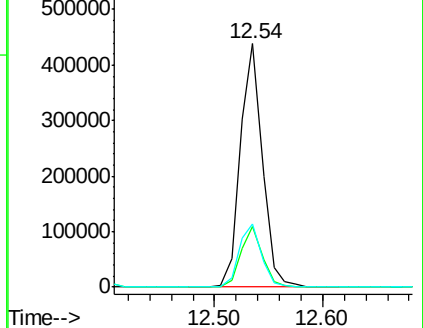
91 26.0 13.5 40.4

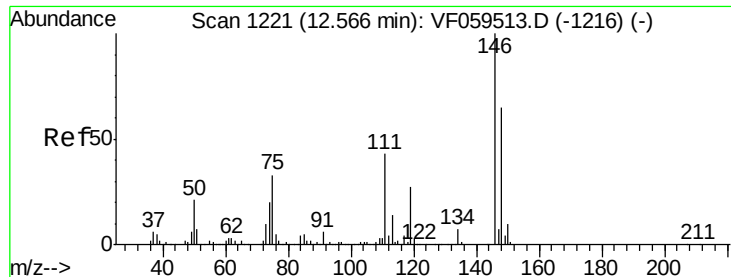


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0

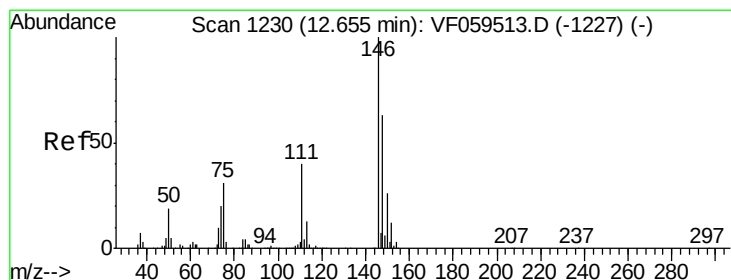
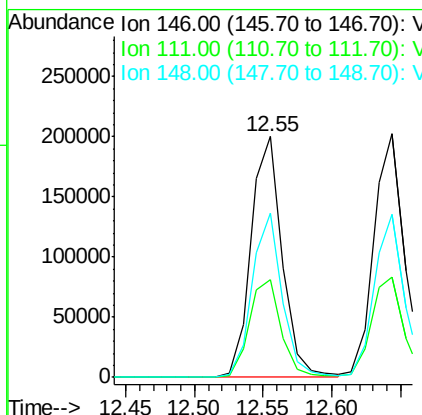
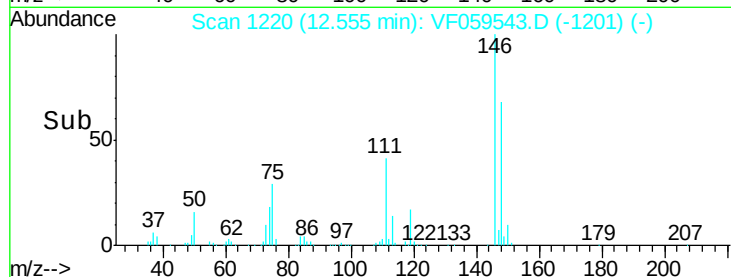
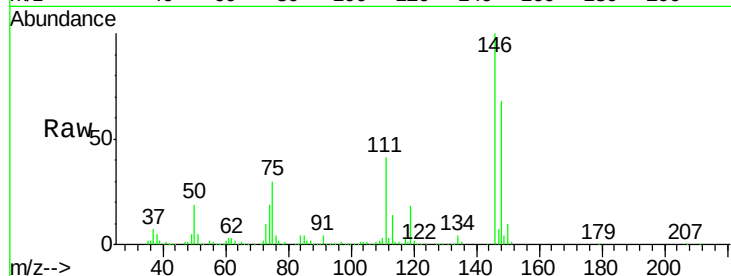




#87
 1,3-Dichlorobenzene
 Concen: 48.795 ug/l
 RT: 12.55 min Scan# 1220
 Delta R.T. -0.01 min
 Lab File: VF059543.D
 Acq: 19 Jul 2018 6:24

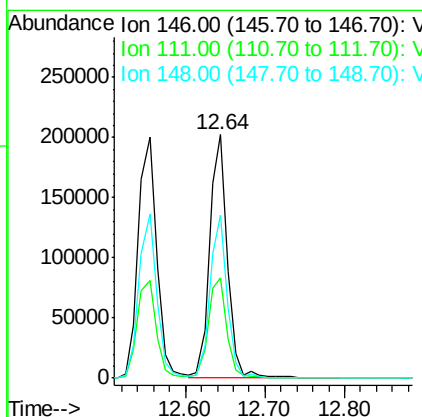
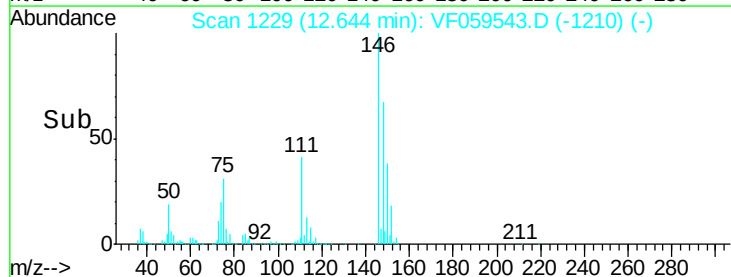
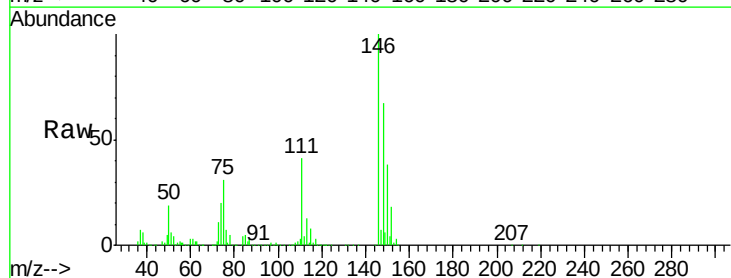
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

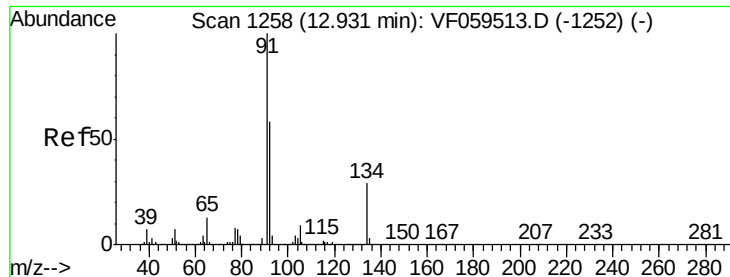
Tot Ion:146 Resp: 316487
 Ion Ratio Lower Upper
 146 100
 111 40.7 21.4 64.3
 148 68.0 32.7 98.1



#88
 1,4-Dichlorobenzene
 Concen: 49.472 ug/l
 RT: 12.64 min Scan# 1229
 Delta R.T. -0.01 min
 Lab File: VF059543.D
 Acq: 19 Jul 2018 6:24

Tgt Ion:146 Resp: 316189
 Ion Ratio Lower Upper
 146 100
 111 41.0 20.0 59.9
 148 66.7 31.5 94.5





#89

n-Butylbenzene

Concen: 51.979 ug/l

RT: 12.91 min Scan# 1256

Delta R.T. -0.02 min

Lab File: VF059543.D

Acq: 19 Jul 2018 6:24

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

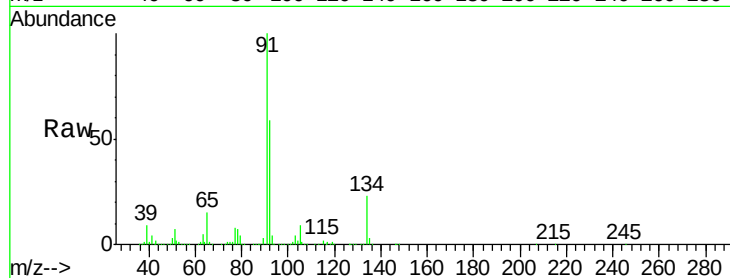
Tot Ion: 91 Resp: 583896

Ion Ratio Lower Upper

91 100

92 58.8 29.1 87.3

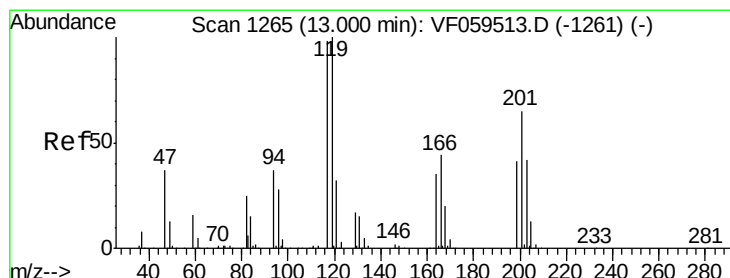
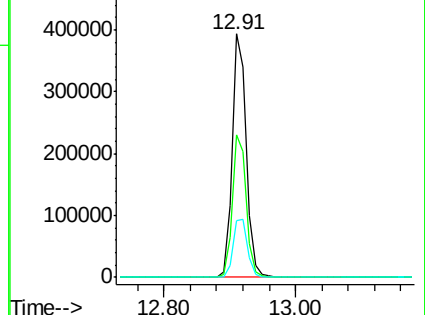
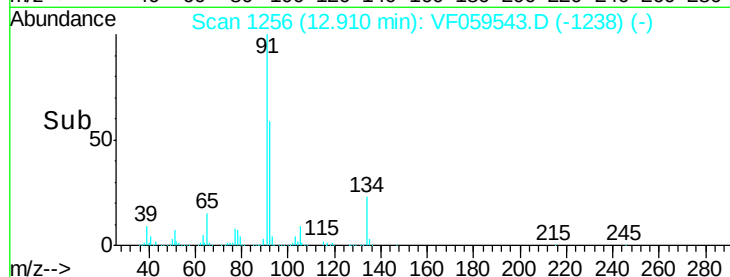
134 23.3 14.3 42.9



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 56.445 ug/l

RT: 12.99 min Scan# 1264

Delta R.T. -0.01 min

Lab File: VF059543.D

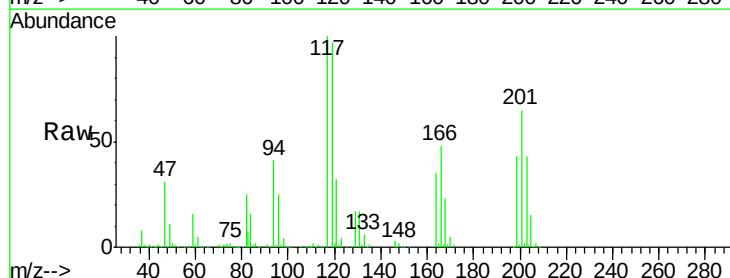
Acq: 19 Jul 2018 6:24

Tgt Ion: 117 Resp: 153898

Ion Ratio Lower Upper

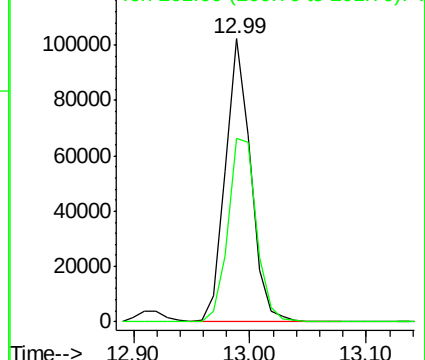
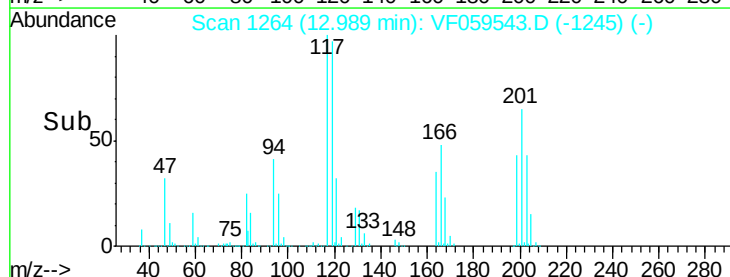
117 100

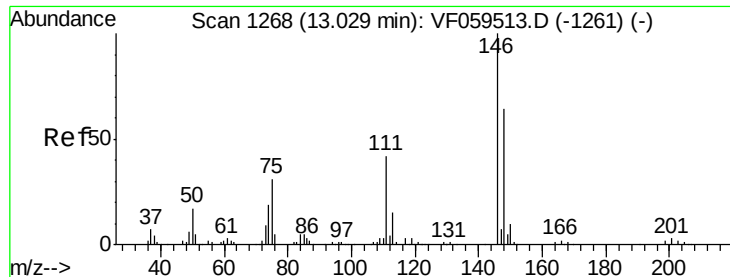
201 66.6 32.6 98.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V

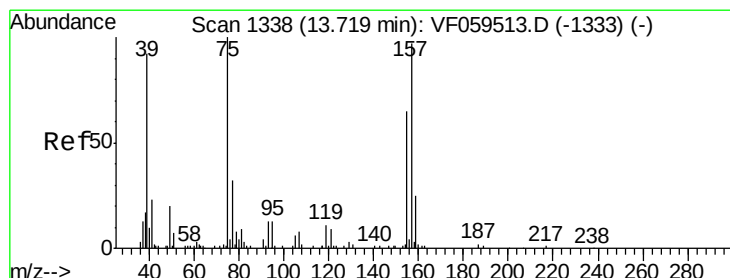
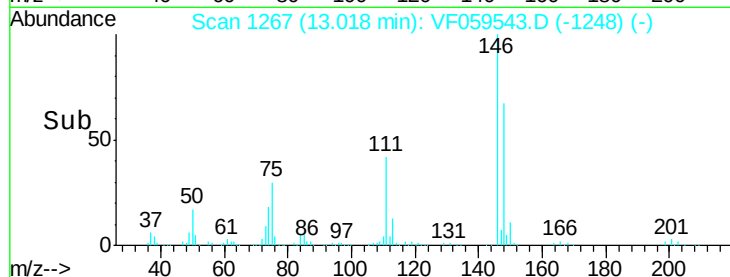
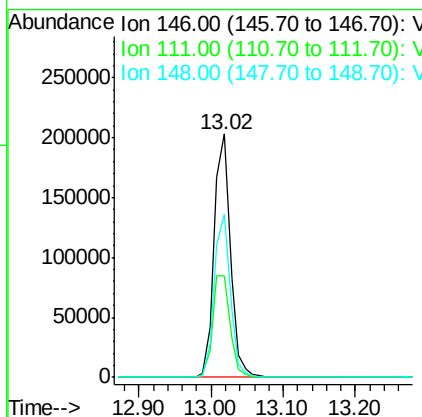
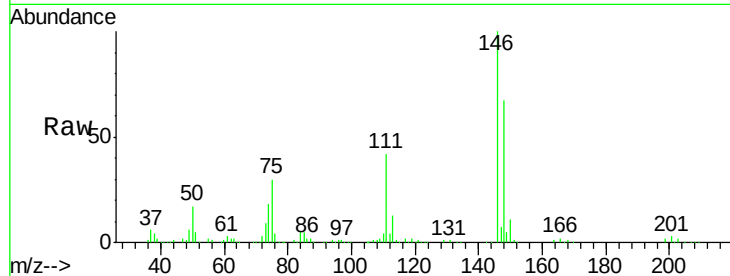




#91
 1,2-Dichlorobenzene
 Concen: 50.475 ug/l
 RT: 13.02 min Scan# 1267
 Delta R.T. -0.01 min
 Lab File: VF059543.D
 Acq: 19 Jul 2018 6:24

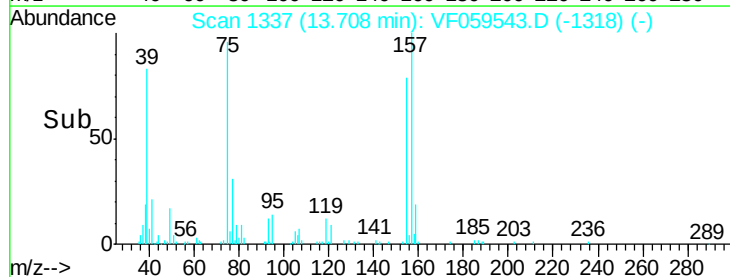
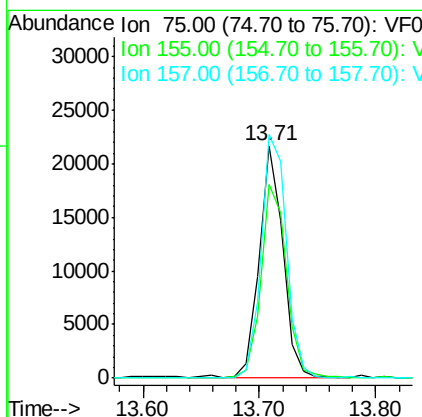
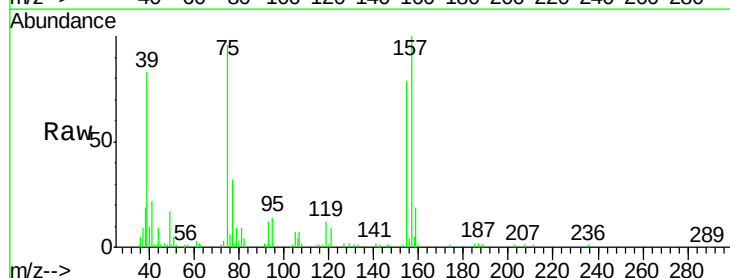
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

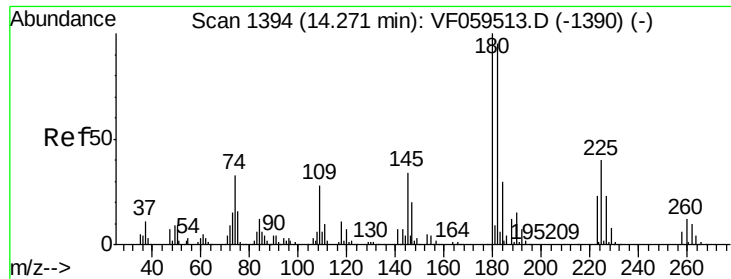
Tot Ion:146 Resp: 313114
 Ion Ratio Lower Upper
 146 100
 111 41.6 21.1 63.1
 148 67.2 32.3 96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.291 ug/l
 RT: 13.71 min Scan# 1337
 Delta R.T. -0.01 min
 Lab File: VF059543.D
 Acq: 19 Jul 2018 6:24

Tgt Ion: 75 Resp: 30853
 Ion Ratio Lower Upper
 75 100
 155 83.1 32.8 98.3
 157 104.6 48.5 145.5

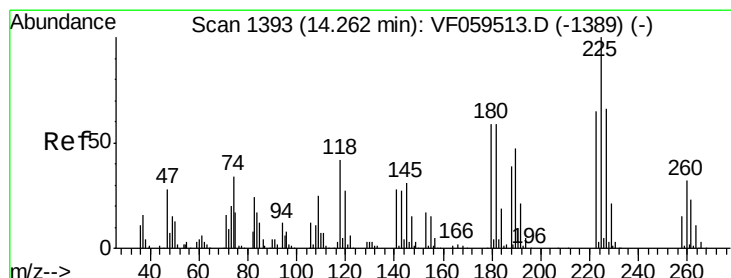
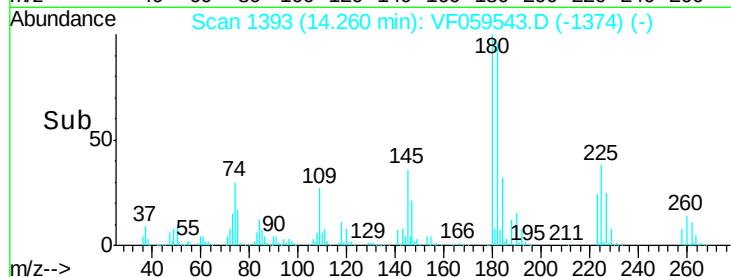
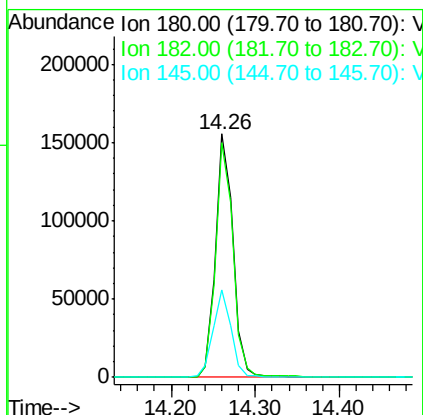
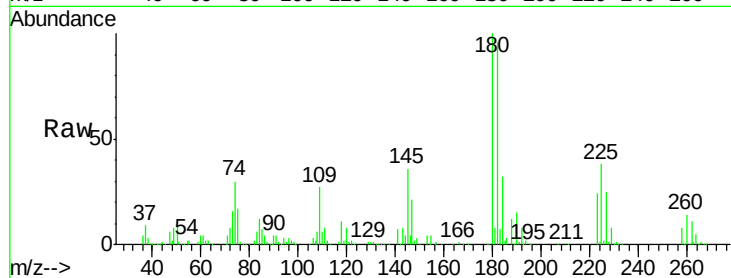




#93
1,2,4-Trichlorobenzene
Concen: 60.009 ug/l
RT: 14.26 min Scan# 1393
Delta R.T. -0.01 min
Lab File: VF059543.D
Acq: 19 Jul 2018 6:24

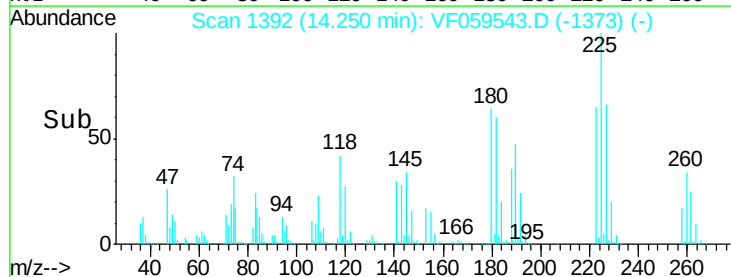
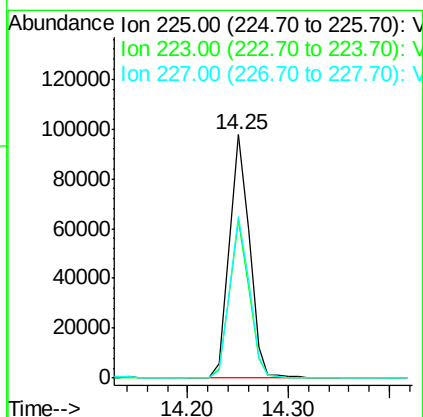
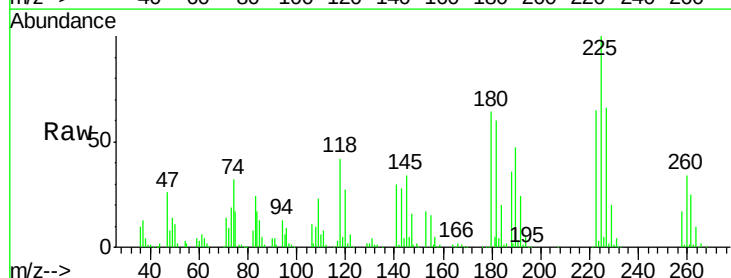
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

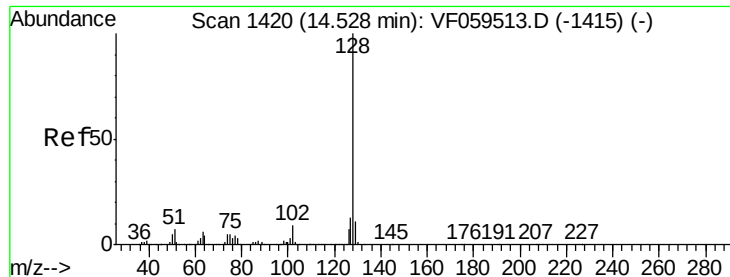
Tot Ion:180 Resp: 226193
Ion Ratio Lower Upper
180 100
182 96.2 47.5 142.5
145 35.7 17.3 51.7



#94
Hexachlorobutadiene
Concen: 69.919 ug/l
RT: 14.25 min Scan# 1392
Delta R.T. -0.01 min
Lab File: VF059543.D
Acq: 19 Jul 2018 6:24

Tgt Ion:225 Resp: 135010
Ion Ratio Lower Upper
225 100
223 64.7 32.3 96.8
227 66.2 33.2 99.6

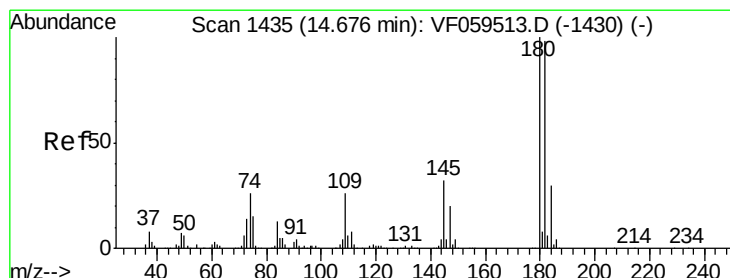
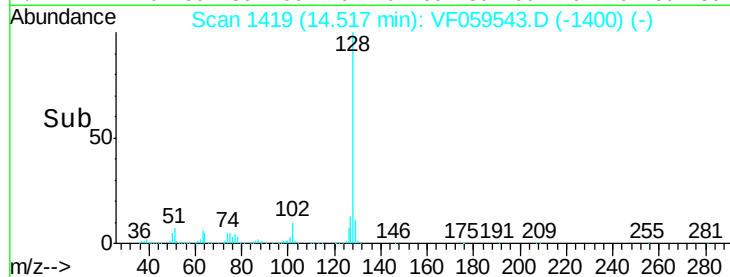
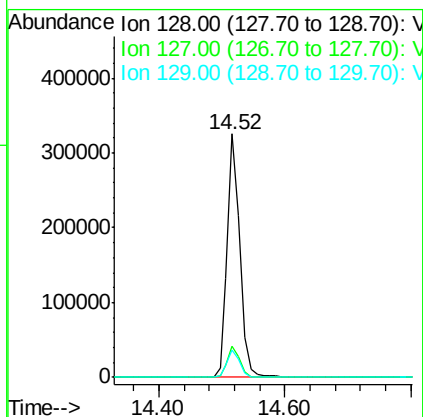
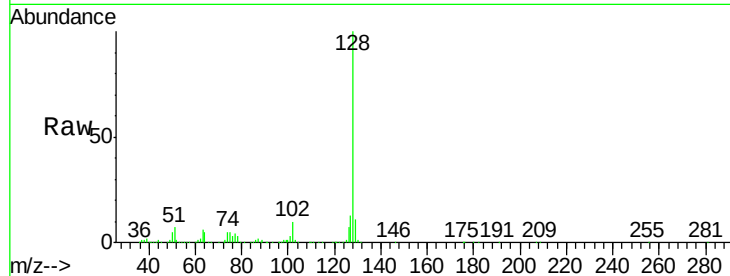




#95
Naphthalene
Concen: 58.155 ug/l
RT: 14.52 min Scan# 1419
Delta R.T. -0.01 min
Lab File: VF059543.D
Acq: 19 Jul 2018 6:24

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 455383
Ion Ratio Lower Upper
128 100
127 12.6 10.2 15.2
129 11.2 9.0 13.4



#96
1,2,3-Trichlorobenzene
Concen: 65.415 ug/l
RT: 14.66 min Scan# 1434
Delta R.T. -0.01 min
Lab File: VF059543.D
Acq: 19 Jul 2018 6:24

Tgt Ion:180 Resp: 222786
Ion Ratio Lower Upper
180 100
182 93.6 48.8 146.4
145 31.3 16.2 48.6

