

Data Path : Z:\voasrv\HPCHEM1\MSVOA F\Data\VF081418\
 Data File : VF059959.D
 Acq On : 14 Aug 2018 22:23
 Operator : VA/AP
 Sample : VSTDICV050
 Misc : 5.00u/5mL/MSVOA F/SOIL
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 ICSVF081418

Quant Time: Aug 15 09:19:15 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F081418S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 15 09:20:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	142821	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.79	114	206706	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.94	117	202118	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	121864	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.04	65	114664	45.92	ug/l	0.00
Spiked Amount			Recovery	=	91.84%	
35) Dibromofluoromethane	4.31	113	94885	45.81	ug/l	0.00
Spiked Amount			Recovery	=	91.62%	
50) Toluene-d8	7.72	98	232178	50.83	ug/l	0.00
Spiked Amount			Recovery	=	101.66%	
62) 4-Bromofluorobenzene	11.52	95	121822	48.56	ug/l	0.00
Spiked Amount			Recovery	=	97.12%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.99	85	93181	44.03	ug/l	96
3) Chloromethane	1.09	50	45861	50.85	ug/l	95
4) Vinyl Chloride	1.16	62	50024	48.29	ug/l	93
5) Bromomethane	1.35	94	43753	46.93	ug/l	97
6) Chloroethane	1.44	64	31578	46.96	ug/l	99
7) Trichlorofluoromethane	1.54	101	139421	46.08	ug/l	95
8) Diethyl Ether	1.71	74	20861	50.13	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	1.91	101	70244	45.99	ug/l	100
10) Methyl Iodide	1.97	142	115838	48.59	ug/l	86
11) Tert butyl alcohol	2.70	59	24167	243.61	ug/l #	82
12) 1,1-Dichloroethene	1.86	96	55113	48.69	ug/l	98
13) Acrolein	2.10	56	17371	290.81	ug/l	91
14) Allyl chloride	2.20	41	87920	54.59	ug/l	89
15) Acrylonitrile	3.09	53	38538	256.26	ug/l	96
16) Acetone	2.35	43	99351	200.45	ug/l #	85
17) Carbon Disulfide	1.89	76	139589	48.14	ug/l #	92
18) Methyl Acetate	2.46	43	32923	47.77	ug/l	94
19) Methyl tert-butyl Ether	2.55	73	152581	46.94	ug/l	99
20) Methylene Chloride	2.29	84	26014	21.94	ug/l #	78
21) trans-1,2-Dichloroethene	2.42	96	52493	47.71	ug/l	97
22) Diisopropyl ether	2.94	45	185945	50.20	ug/l	94
23) Vinyl Acetate	3.35	43	475308	258.52	ug/l	100
24) 1,1-Dichloroethane	3.02	63	124743	47.66	ug/l	99
25) 2-Butanone	4.53	43	121933	243.27	ug/l	95
26) 2,2-Dichloropropane	3.78	77	76809	45.11	ug/l	88
27) cis-1,2-Dichloroethene	3.65	96	62088	51.07	ug/l	99
28) Bromochloromethane	3.91	49	46516	47.71	ug/l #	81
29) Tetrahydrofuran	4.27	42	40813	237.05	ug/l	97
30) Chloroform	4.06	83	165837	46.14	ug/l	94
31) Cyclohexane	3.89	56	67284	51.40	ug/l #	85
32) 1,1,1-Trichloroethane	4.29	97	132406	44.80	ug/l	94
36) 1,1-Dichloropropene	4.48	75	106814	46.52	ug/l	93
37) Ethyl Acetate	4.30	43	44469	45.26	ug/l #	77
38) Carbon Tetrachloride	4.20	117	161281	42.18	ug/l	99

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	80333	48.13	ug/l	91
40) Benzene	4.83	78	189358	48.71	ug/l	94
41) Methacrylonitrile	4.94	41	22892	47.24	ug/l	92
42) 1,2-Dichloroethane	5.13	62	132880	43.03	ug/l	95
43) Isopropyl Acetate	7.12	43	53652	50.09	ug/l #	96
44) Trichloroethene	5.69	130	69651	46.56	ug/l	89
45) 1,2-Dichloropropane	6.42	63	51627	50.22	ug/l #	84
46) Dibromomethane	6.28	93	44951	44.32	ug/l	91
47) Bromodichloromethane	6.56	83	127681	43.62	ug/l	96
48) Methyl methacrylate	6.89	41	40130	50.30	ug/l	91
49) 1,4-Dioxane	6.89	88	5107	846.50	ug/l #	89
51) 4-Methyl-2-Pentanone	8.42	43	242223	233.43	ug/l	96
52) Toluene	7.79	92	135630	47.11	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	106772	44.60	ug/l	96
54) cis-1,3-Dichloropropene	7.48	75	113608	49.31	ug/l	91
55) 1,1,2-Trichloroethane	8.65	97	47861	48.64	ug/l	96
56) Ethyl methacrylate	8.78	69	54992	52.03	ug/l	90
57) 1,3-Dichloropropane	9.02	76	80897	44.64	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.79	63	30796	216.60	ug/l	100
59) 2-Hexanone	9.65	43	189564	250.45	ug/l	89
60) Dibromochloromethane	8.89	129	89939	46.19	ug/l	89
61) 1,2-Dibromoethane	9.15	107	56113	45.72	ug/l	94
64) Tetrachloroethene	8.33	164	74141	47.11	ug/l	94
65) Chlorobenzene	9.96	112	185297	47.46	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.09	131	85323	45.22	ug/l	97
67) Ethyl Benzene	10.06	91	328272	47.60	ug/l	97
68) m/p-Xylenes	10.29	106	226546	97.69	ug/l	98
69) o-Xylene	10.85	106	118273	46.96	ug/l	94
70) Styrene	10.92	104	181383	48.68	ug/l	96
71) Bromoform	10.91	173	53761	45.83	ug/l	95
73) Isopropylbenzene	11.24	105	391819	51.12	ug/l	98
74) N-amyl acetate	11.48	43	91951	54.43	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.80	83	63755	49.48	ug/l	97
76) 1,2,3-Trichloropropane	11.89	75	55166	49.66	ug/l	96
77) Bromobenzene	11.61	156	99893	49.67	ug/l	93
78) n-propylbenzene	11.70	91	437407	48.64	ug/l	99
79) 2-Chlorotoluene	11.83	91	271632	48.20	ug/l	97
80) 1,3,5-Trimethylbenzene	11.92	105	334949	46.93	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.97	75	32598	71.81	ug/l	85
82) 4-Chlorotoluene	12.00	91	288001	46.32	ug/l	99
83) tert-Butylbenzene	12.23	119	345935	49.20	ug/l	99
84) 1,2,4-Trimethylbenzene	12.30	105	353057	49.07	ug/l	99
85) sec-Butylbenzene	12.40	105	439181	49.03	ug/l	100
86) p-Isopropyltoluene	12.55	119	390946	49.54	ug/l	94
87) 1,3-Dichlorobenzene	12.57	146	182474	47.84	ug/l	96
88) 1,4-Dichlorobenzene	12.66	146	186013	49.52	ug/l	97
89) n-Butylbenzene	12.93	91	375180	49.36	ug/l	98
90) Hexachloroethane	13.01	117	93465	47.84	ug/l	96
91) 1,2-Dichlorobenzene	13.03	146	179137	48.41	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.73	75	15876	45.48	ug/l	96

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Quant Title : SW846 8260
QLast Update : Wed Aug 15 09:20:23 2018
Response via : Initial Calibration

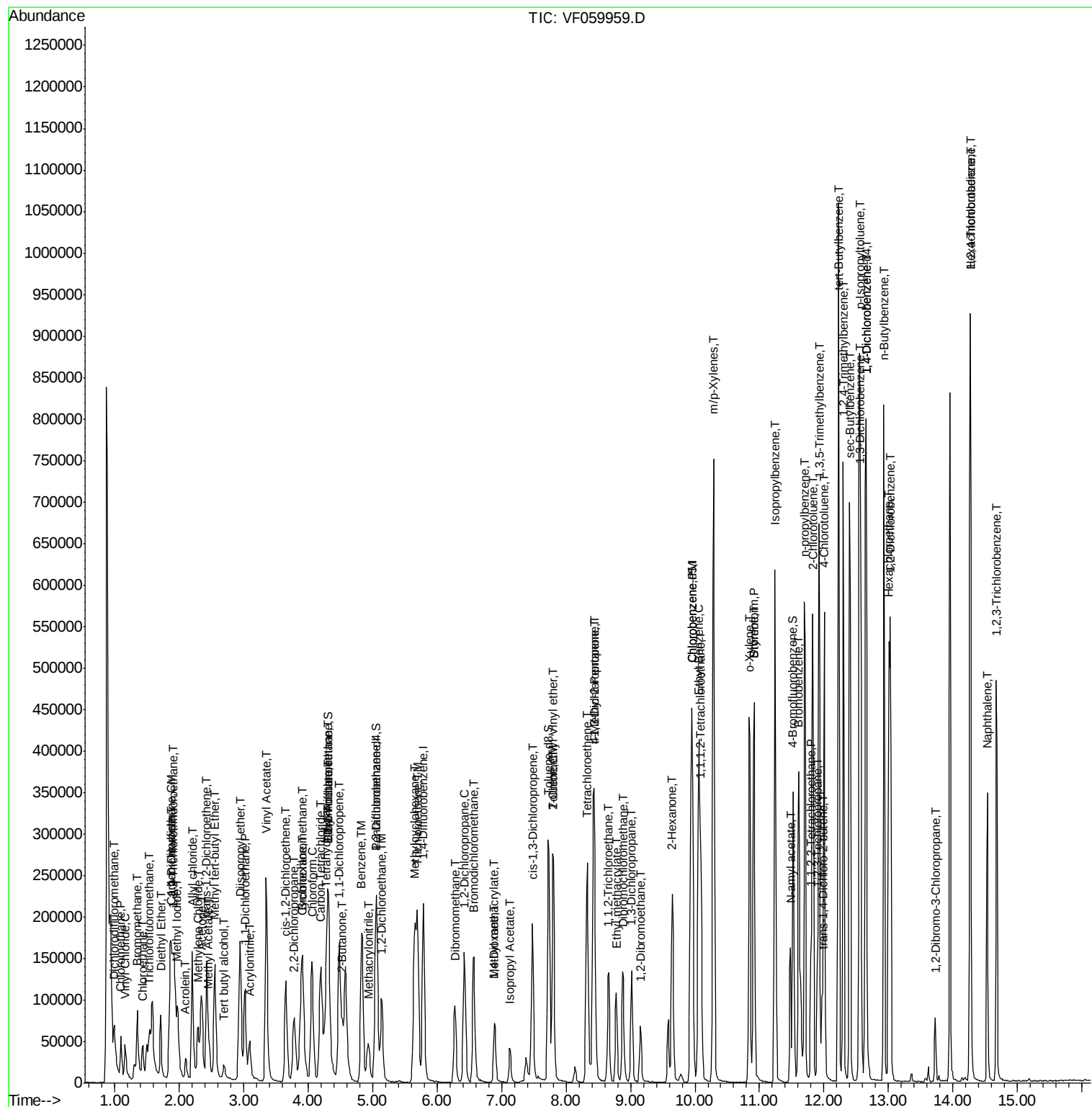
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.28	180	147140	49.62	ug/l	97
94) Hexachlorobutadiene	14.27	225	98123	46.27	ug/l	96
95) Naphthalene	14.54	128	244761	50.55	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	140126	49.51	ug/l	99

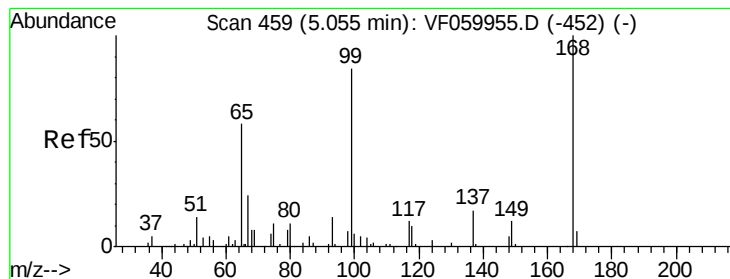
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.06 min Scan# 460

Delta R.T. 0.01 min

Lab File: VF059959.D

Acq: 14 Aug 2018 22:23

Instrument :

MSVOA_F

ClientSampleId :

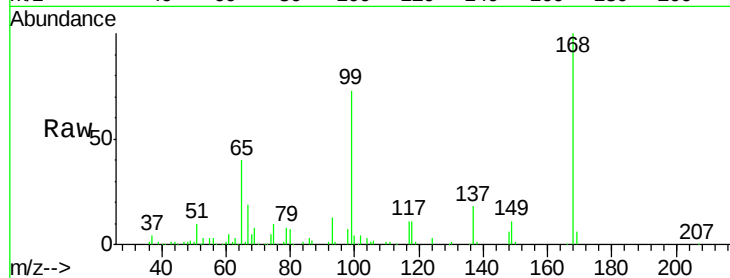
ICVVF081418

Tot Ion:168 Resp: 142821

Ion Ratio Lower Upper

168 100

99 73.0 67.4 101.0

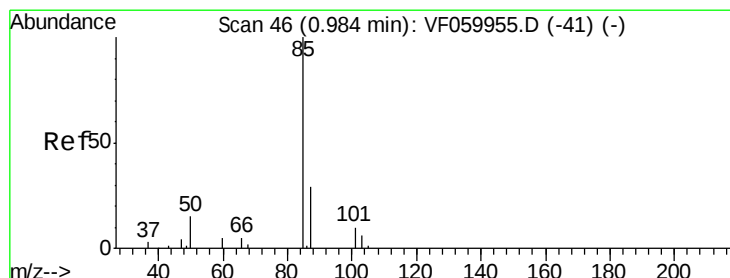
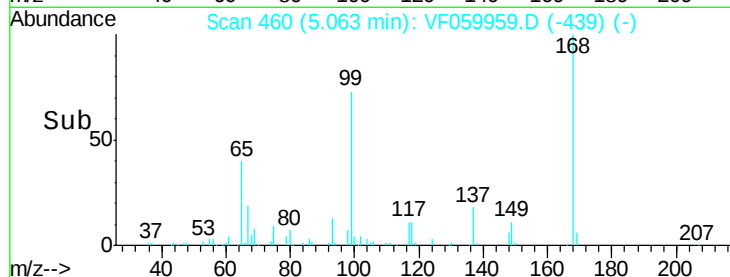


Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.06

Time-->



#2

Dichlorodifluoromethane

Concen: 44.03 ug/l

RT: 0.99 min Scan# 47

Delta R.T. 0.01 min

Lab File: VF059959.D

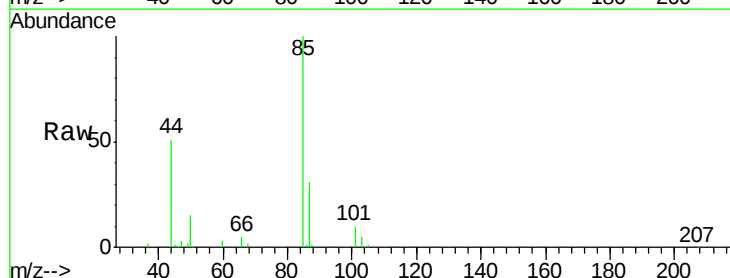
Acq: 14 Aug 2018 22:23

Tgt Ion: 85 Resp: 93181

Ion Ratio Lower Upper

85 100

87 31.1 14.4 43.4

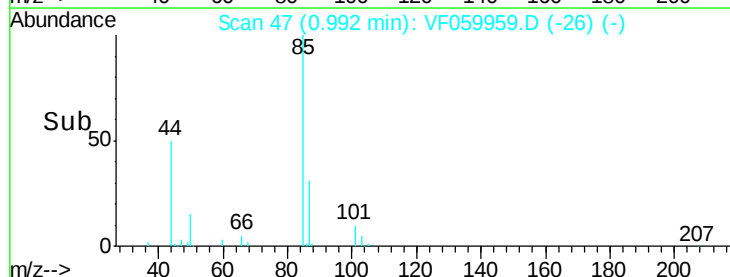


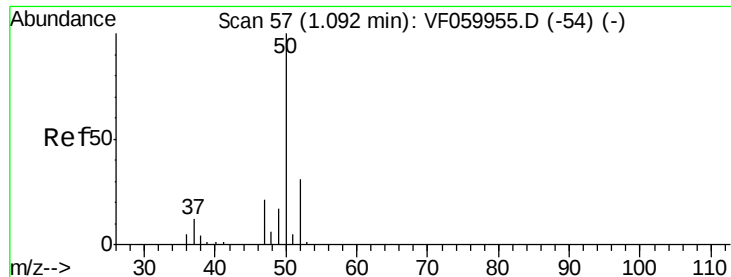
Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.99

Time-->





#3

Chloromethane

Concen: 50.85 ug/l

RT: 1.09 min Scan# 57

Delta R.T. -0.00 min

Lab File: VF059959.D

Acq: 14 Aug 2018 22:23

Instrument :

MSVOA_F

ClientSampleId :

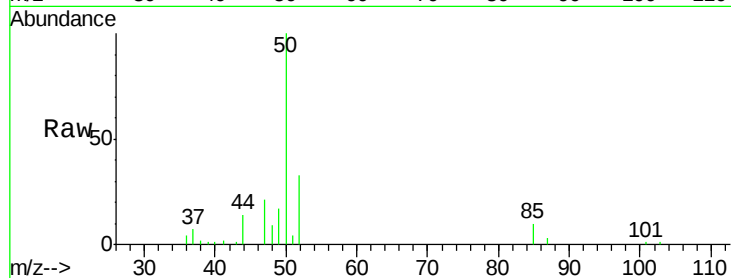
ICVVF081418

Tot Ion: 50 Resp: 45861

Ion Ratio Lower Upper

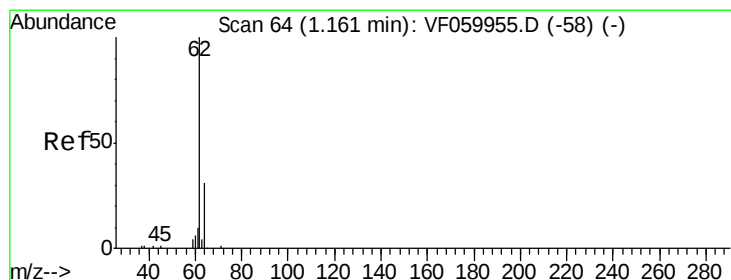
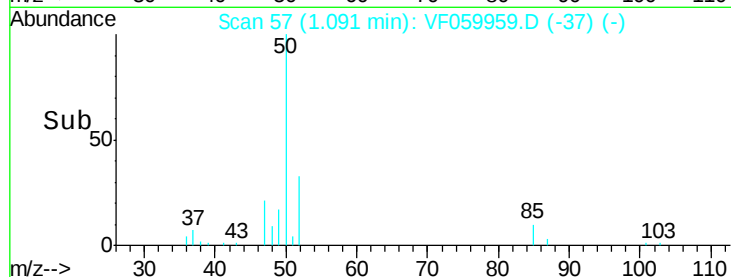
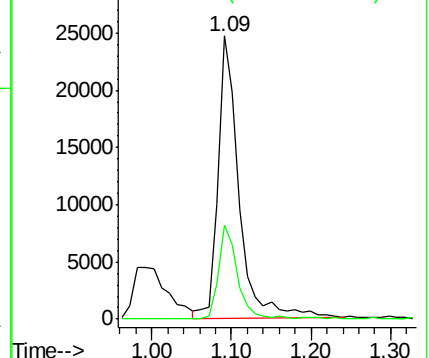
50 100

52 33.0 24.2 36.2



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 48.29 ug/l

RT: 1.16 min Scan# 64

Delta R.T. -0.00 min

Lab File: VF059959.D

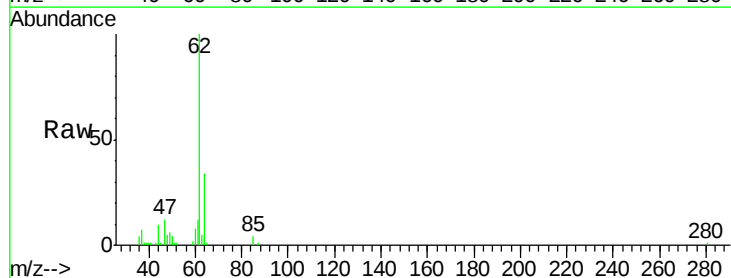
Acq: 14 Aug 2018 22:23

Tgt Ion: 62 Resp: 50024

Ion Ratio Lower Upper

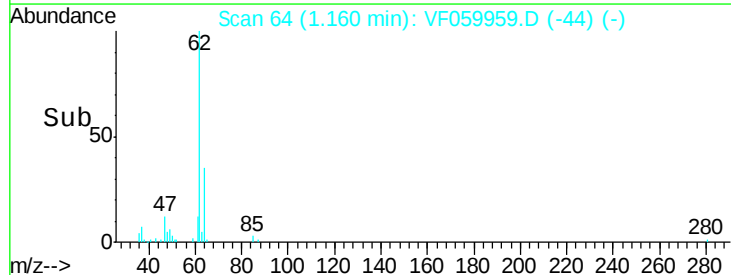
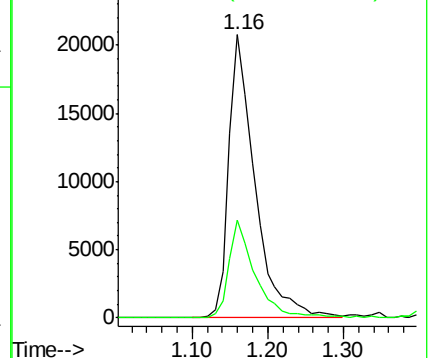
62 100

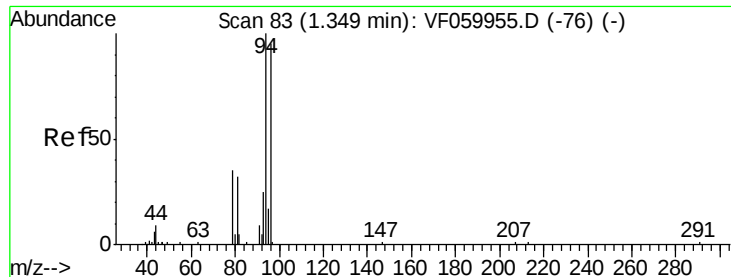
64 34.5 24.7 37.1



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 46.93 ug/l

RT: 1.35 min Scan# 83

Delta R.T. -0.00 min

Lab File: VF059959.D

Acq: 14 Aug 2018 22:23

Instrument :

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ClientSampleId :

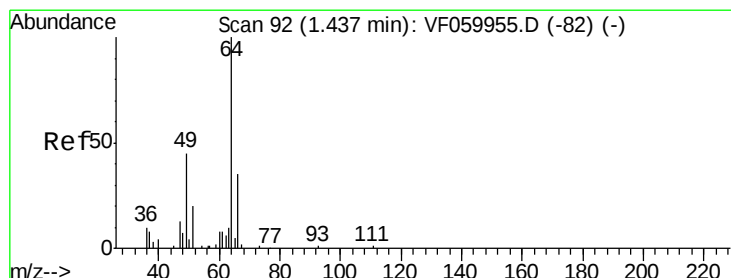
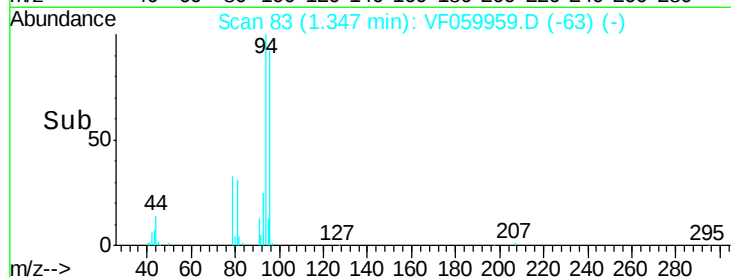
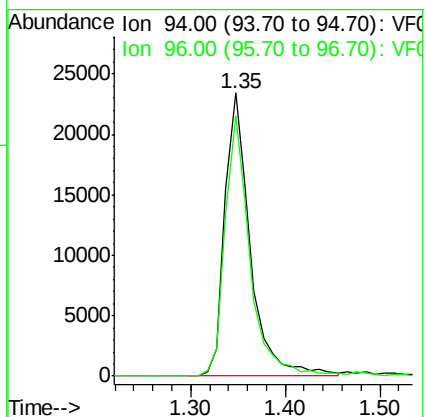
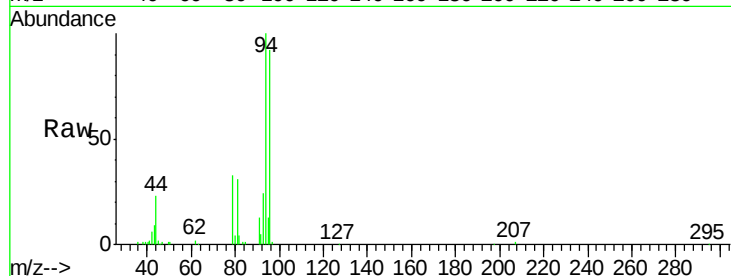
ICVVF081418

Tot Ion: 94 Resp: 43753

Ion Ratio Lower Upper

94 100

96 92.0 76.3 114.5



#6

Chloroethane

Concen: 46.96 ug/l

RT: 1.44 min Scan# 92

Delta R.T. -0.00 min

Lab File: VF059959.D

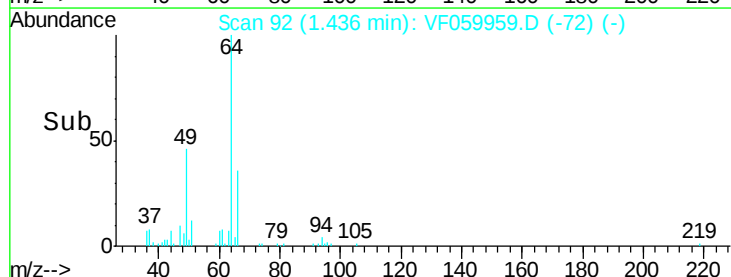
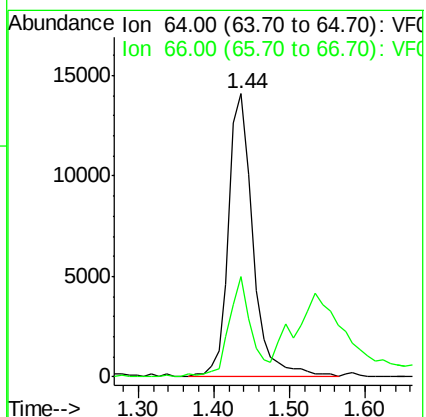
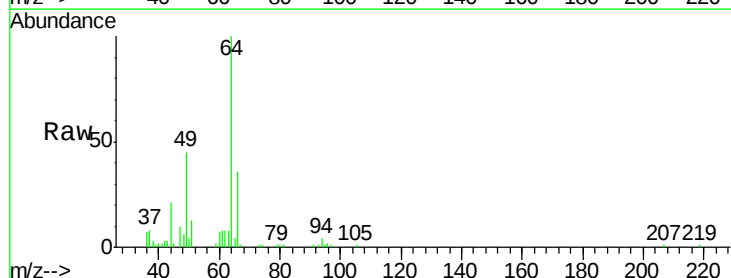
Acq: 14 Aug 2018 22:23

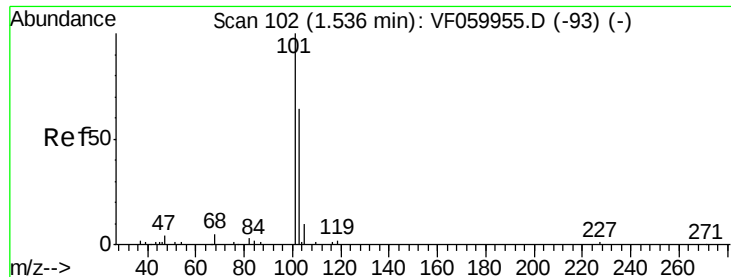
Tgt Ion: 64 Resp: 31578

Ion Ratio Lower Upper

64 100

66 35.5 28.2 42.2



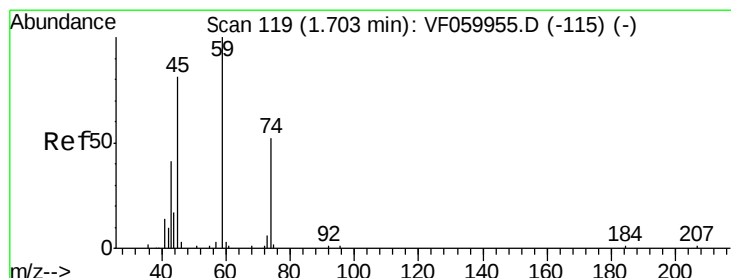
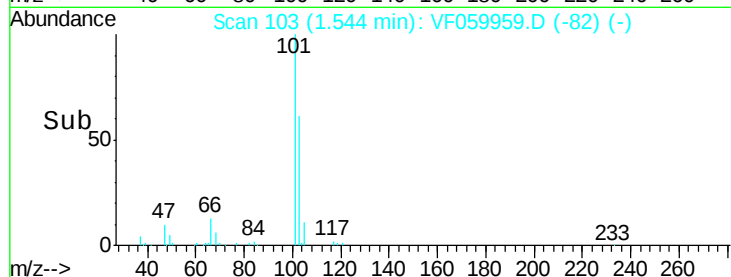
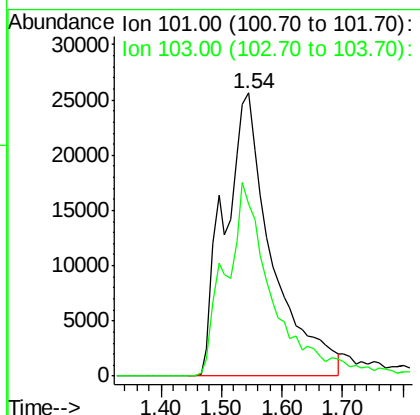
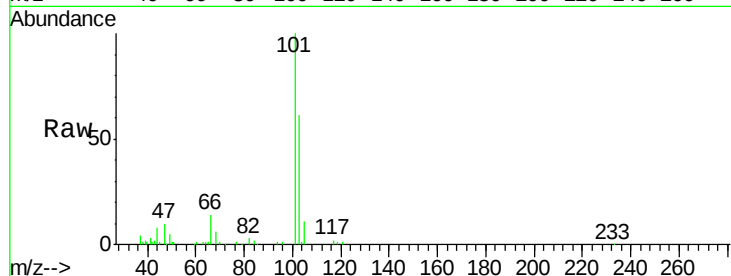


#7

Trichlorofluoromethane
Concen: 46.08 ug/l
RT: 1.54 min Scan# 103
Delta R.T. 0.01 min
Lab File: VF059959.D
Acq: 14 Aug 2018 22:23

Instrument :
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ClientSampleId :
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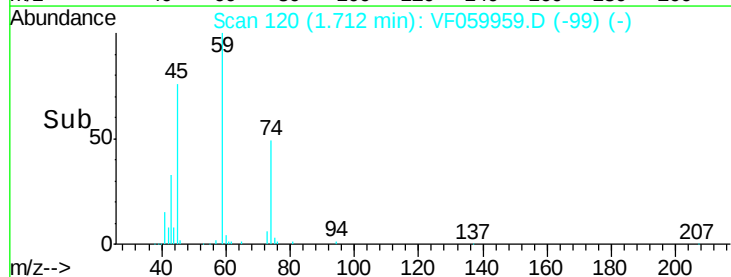
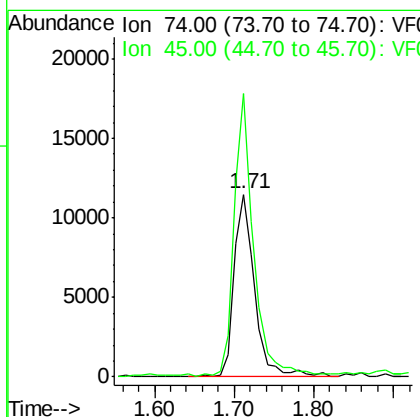
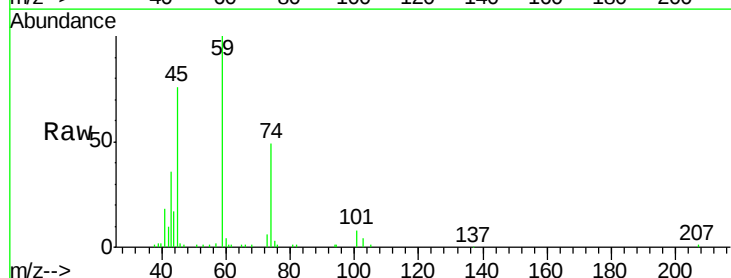
Tot Ion:101 Resp: 139421
Ion Ratio Lower Upper
101 100
103 60.7 51.6 77.4

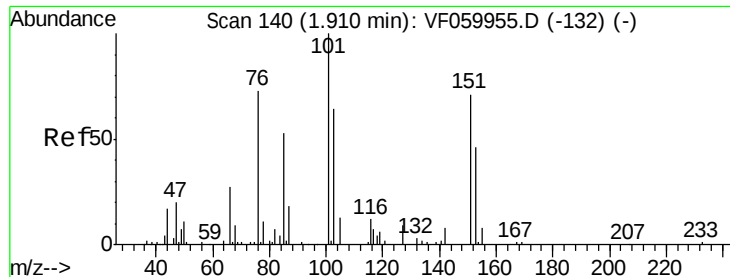


#8

Diethyl Ether
Concen: 50.13 ug/l
RT: 1.71 min Scan# 120
Delta R.T. 0.01 min
Lab File: VF059959.D
Acq: 14 Aug 2018 22:23

Tgt Ion: 74 Resp: 20861
Ion Ratio Lower Upper
74 100
45 155.3 77.5 232.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.99 ug/l

RT: 1.91 min Scan# 140

Delta R.T. -0.00 min

Lab File: VF059959.D

Acq: 14 Aug 2018 22:23

Instrument :

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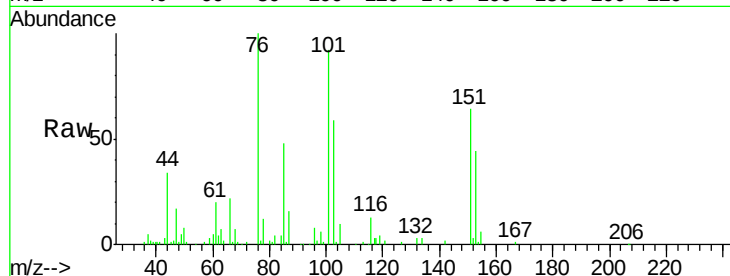
Tot Ion:101 Resp: 70244

Ion Ratio Lower Upper

101 100

85 52.4 42.1 63.1

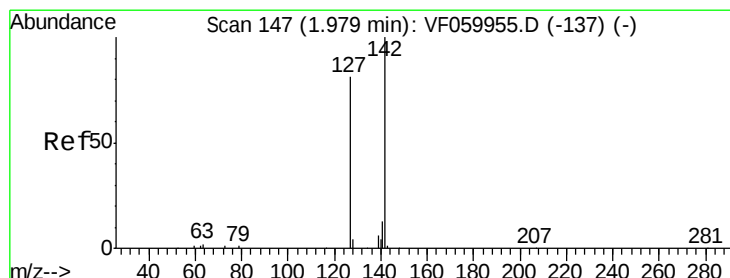
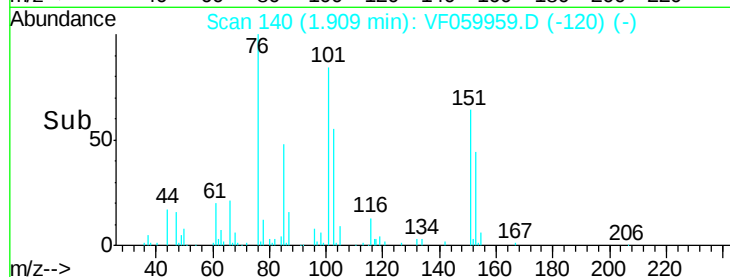
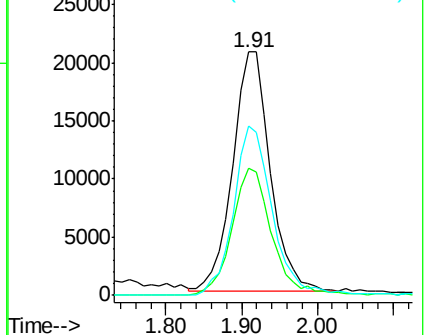
151 69.4 55.4 83.0



Abundance Ion 101.00 (100.70 to 101.70):

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70):



#10

Methyl Iodide

Concen: 48.59 ug/l

RT: 1.97 min Scan# 146

Delta R.T. -0.01 min

Lab File: VF059959.D

Acq: 14 Aug 2018 22:23

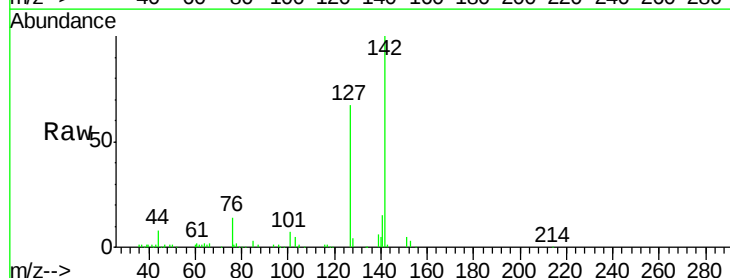
Tgt Ion:142 Resp: 115838

Ion Ratio Lower Upper

142 100

127 66.9 64.5 96.7

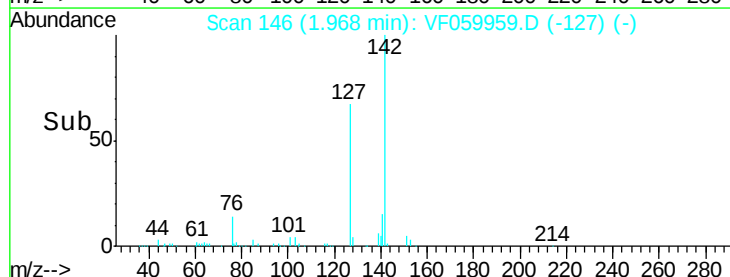
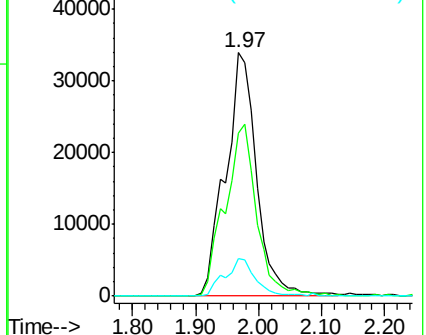
141 15.2 10.8 16.2

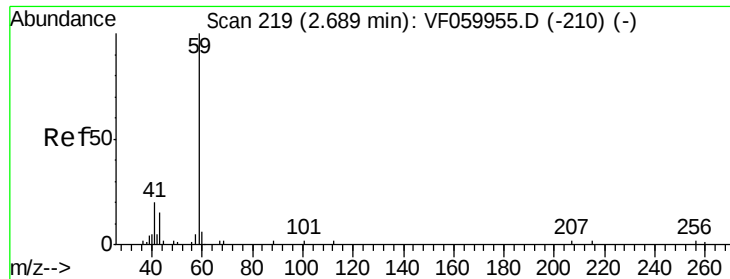


Abundance Ion 142.00 (141.70 to 142.70):

Ion 127.00 (126.70 to 127.70):

Ion 141.00 (140.70 to 141.70):

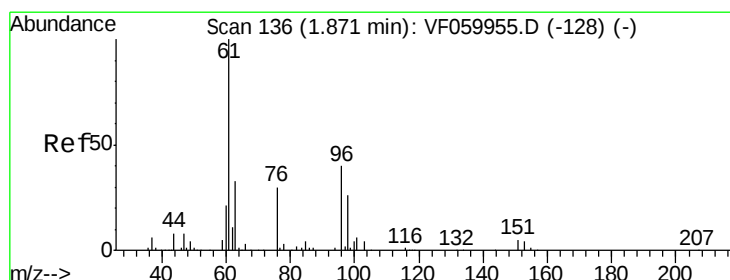
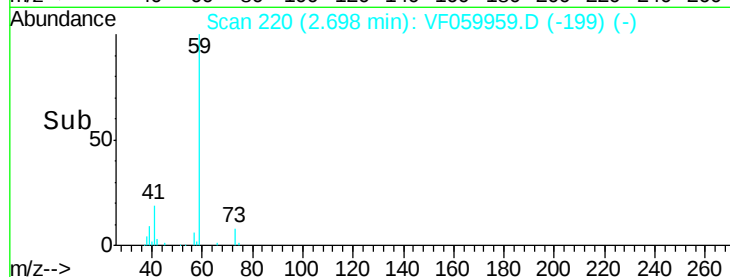
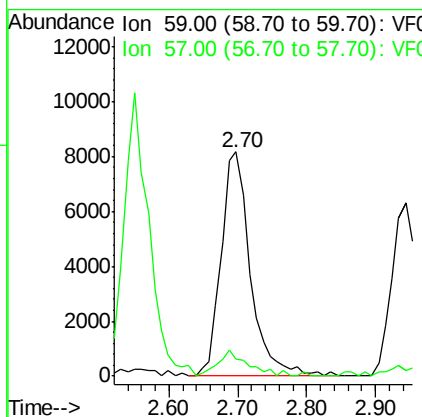
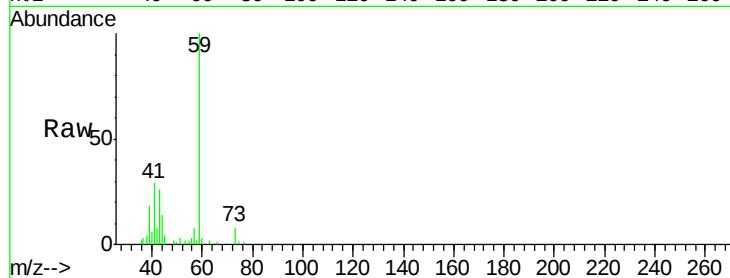




#11
Tert butyl alcohol
Concen: 243.61 ug/l
RT: 2.70 min Scan# 220
Delta R.T. 0.01 min
Lab File: VF059959.D
Acq: 14 Aug 2018 22:23

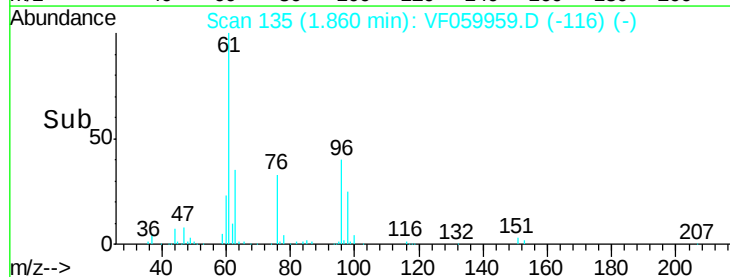
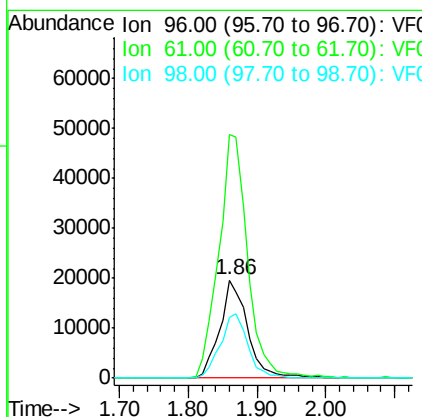
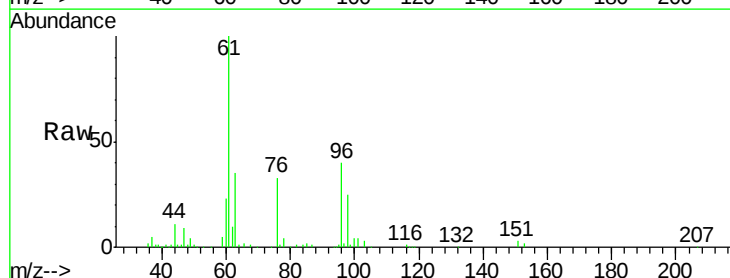
Instrument :
MSVOA_F
ClientSampleId :
ICVVF081418

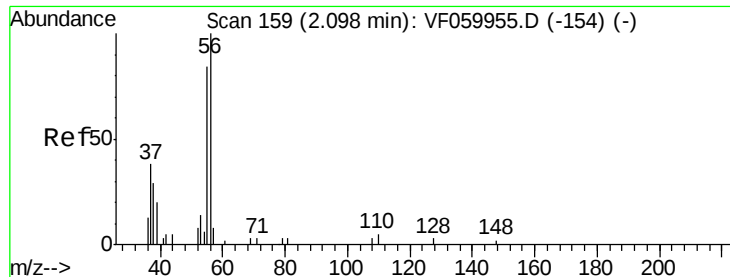
Tot Ion: 59 Resp: 24167
Ion Ratio Lower Upper
59 100
57 7.6 12.0 18.0#



#12
1,1-Dichloroethene
Concen: 48.69 ug/l
RT: 1.86 min Scan# 135
Delta R.T. -0.01 min
Lab File: VF059959.D
Acq: 14 Aug 2018 22:23

Tgt Ion: 96 Resp: 55113
Ion Ratio Lower Upper
96 100
61 249.0 201.0 301.4
98 62.1 51.9 77.9





#13

Acrolein

Concen: 290.81 ug/l

RT: 2.10 min Scan# 159

Delta R.T. -0.00 min

Lab File: VF059959.D

Acq: 14 Aug 2018 22:23

Instrument :

MSVOA_F

ClientSampleId :

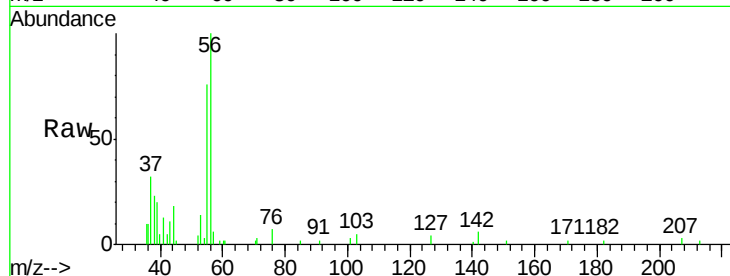
ICVVF081418

Tot Ion: 56 Resp: 17371

Ion Ratio Lower Upper

56 100

55 76.0 67.4 101.2



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

8000

6000

4000

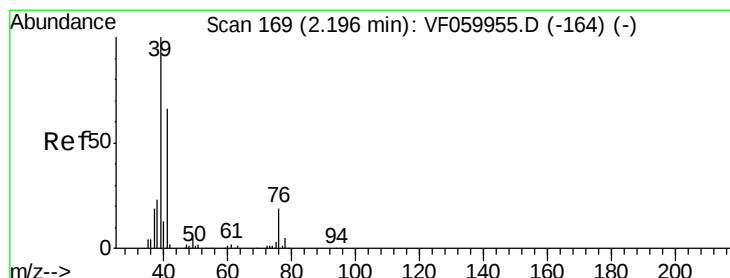
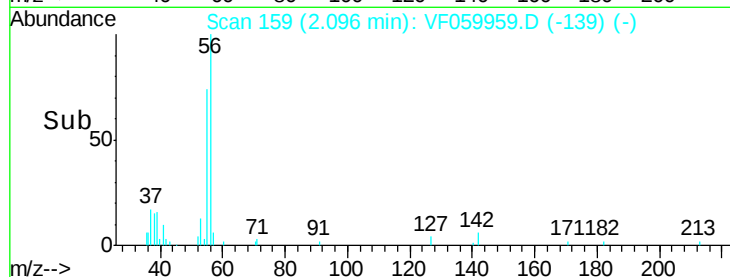
2000

0

Time-->

2.00 2.10 2.20 2.30

2.10



#14

Allyl chloride

Concen: 54.59 ug/l

RT: 2.20 min Scan# 170

Delta R.T. 0.01 min

Lab File: VF059959.D

Acq: 14 Aug 2018 22:23

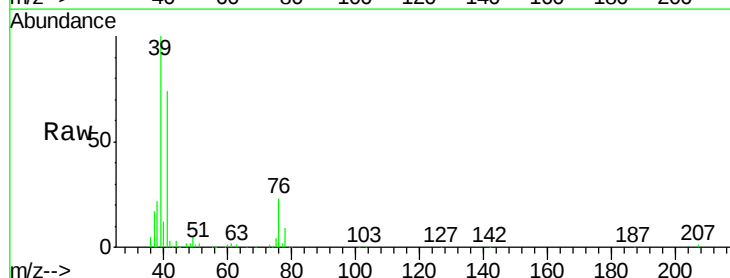
Tgt Ion: 41 Resp: 87920

Ion Ratio Lower Upper

41 100

39 134.6 121.0 181.4

76 30.9 23.6 35.4



Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0

60000

40000

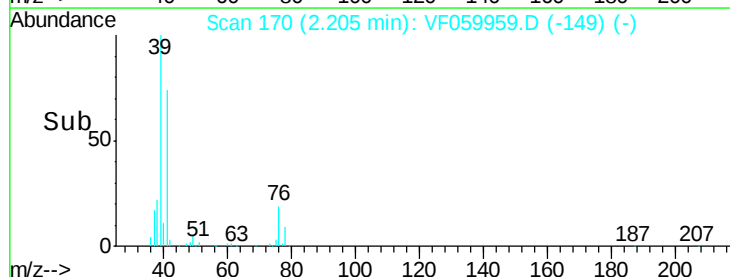
20000

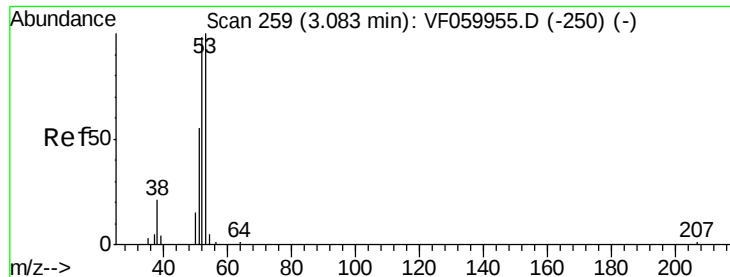
0

Time-->

2.10 2.20 2.30

2.20





#15

Acrylonitrile

Concen: 256.26 ug/l

RT: 3.09 min Scan# 260

Delta R.T. 0.01 min

Lab File: VF059959.D

Acq: 14 Aug 2018 22:23

Instrument :

MSVOA_F

ClientSampleId :

ICVVF081418

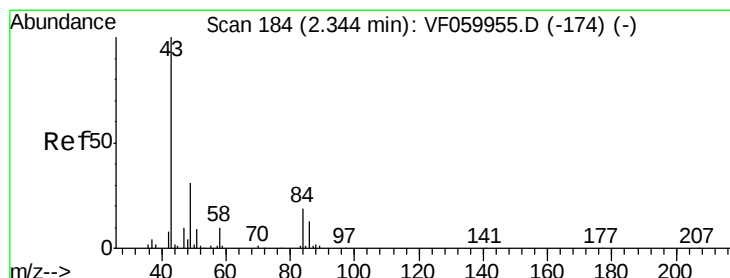
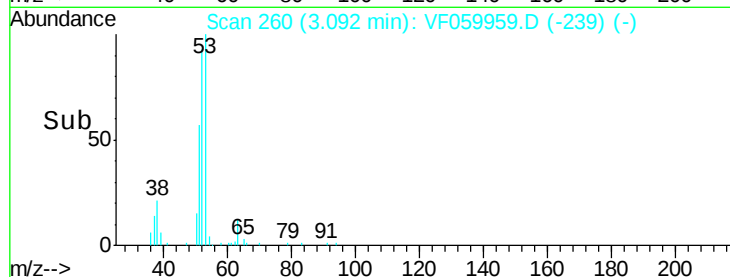
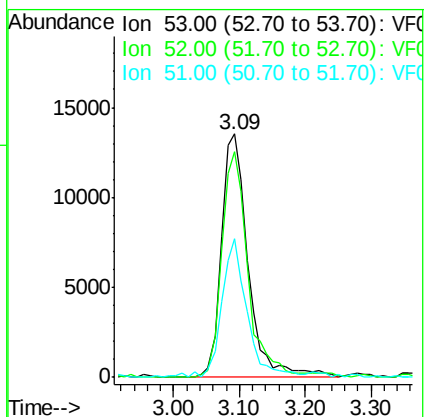
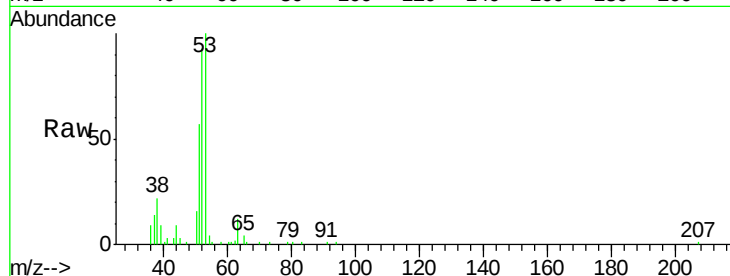
Tot Ion: 53 Resp: 38538

Ion Ratio Lower Upper

53 100

52 92.9 78.1 117.1

51 57.0 44.2 66.4



#16

Acetone

Concen: 200.45 ug/l

RT: 2.35 min Scan# 185

Delta R.T. 0.01 min

Lab File: VF059959.D

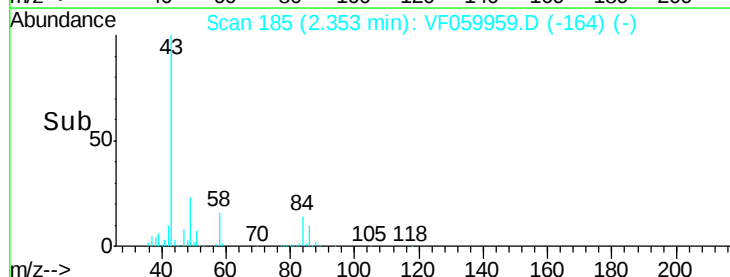
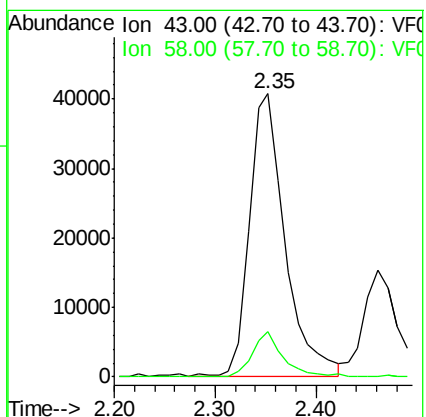
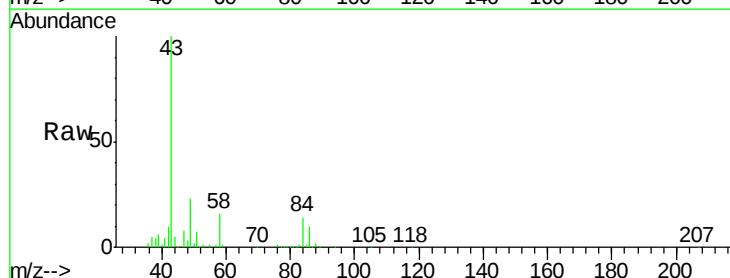
Acq: 14 Aug 2018 22:23

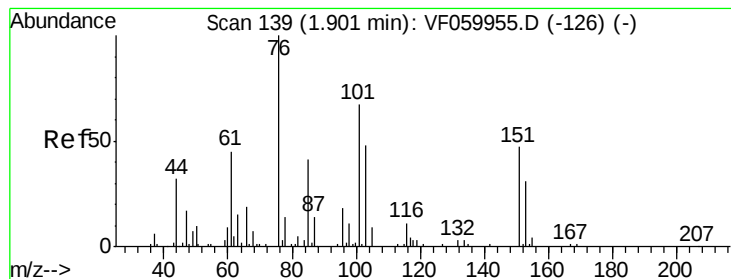
Tgt Ion: 43 Resp: 99351

Ion Ratio Lower Upper

43 100

58 15.8 8.1 12.1#





#17

Carbon Disulfide

Concen: 48.14 ug/l

RT: 1.89 min Scan# 138

Delta R.T. -0.01 min

Lab File: VF059959.D

Acq: 14 Aug 2018 22:23

Instrument :

MSVOA_F

ClientSampleId :

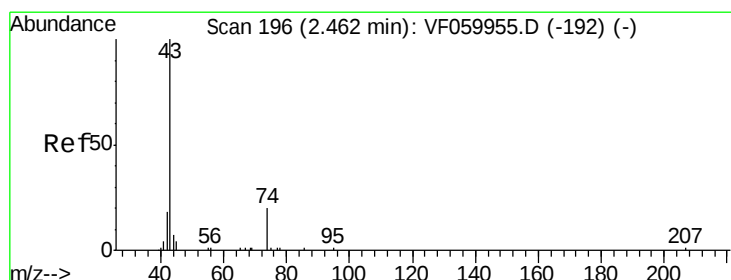
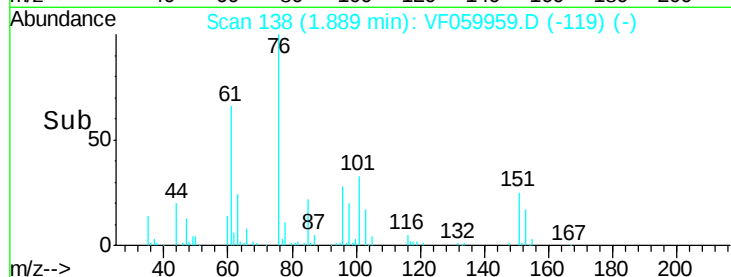
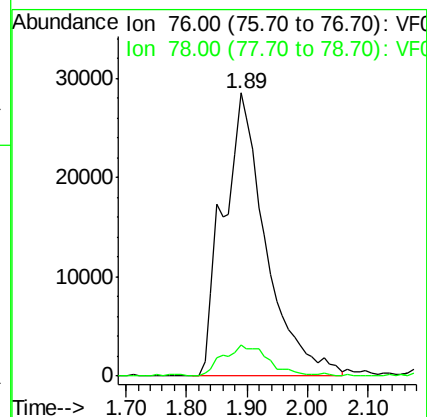
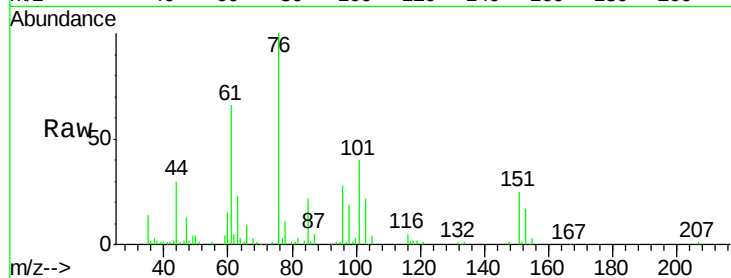
ICVVF081418

Tot Ion: 76 Resp: 139589

Ion Ratio Lower Upper

76 100

78 10.8 11.4 17.0#



#18

Methyl Acetate

Concen: 47.77 ug/l

RT: 2.46 min Scan# 196

Delta R.T. -0.00 min

Lab File: VF059959.D

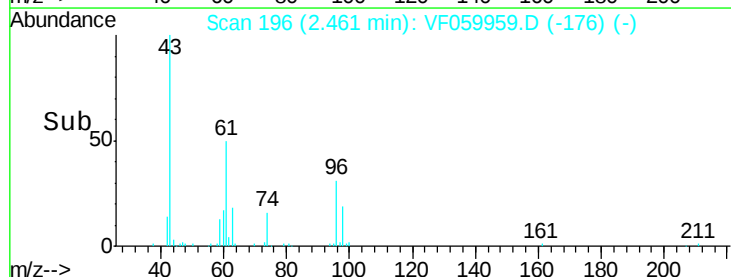
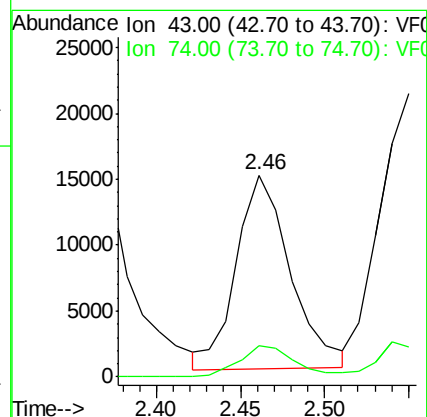
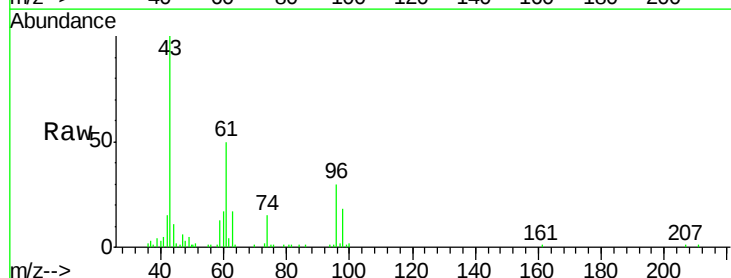
Acq: 14 Aug 2018 22:23

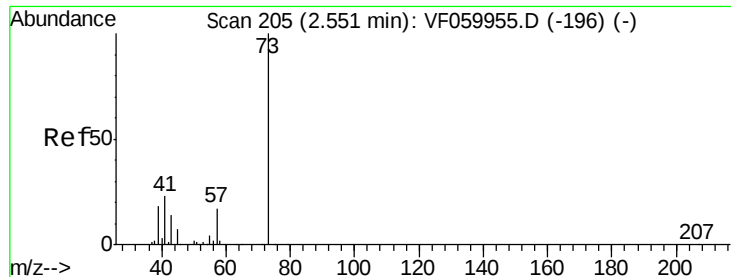
Tgt Ion: 43 Resp: 32923

Ion Ratio Lower Upper

43 100

74 15.4 14.3 21.5

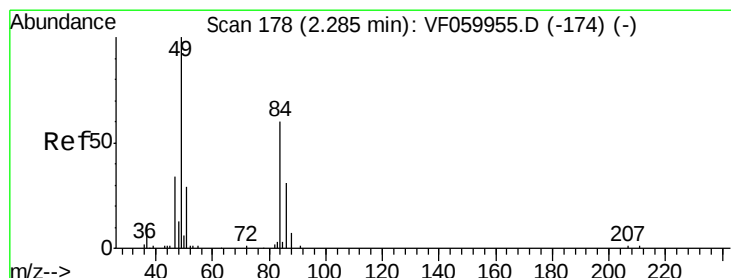
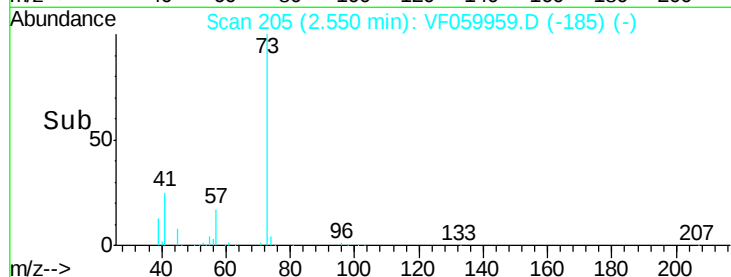
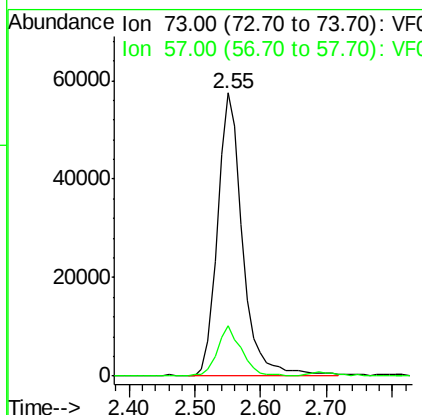
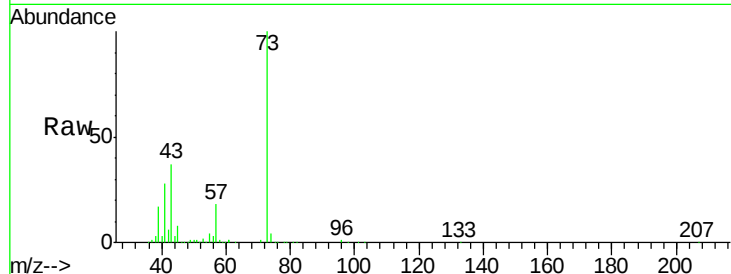




#19
Methyl tert-butyl Ether
Concen: 46.94 ug/l
RT: 2.55 min Scan# 205
Delta R.T. -0.00 min
Lab File: VF059959.D
Acq: 14 Aug 2018 22:23

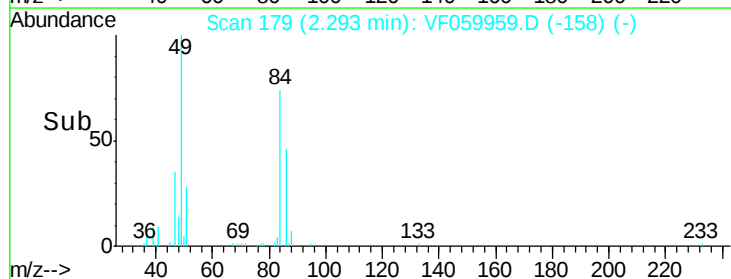
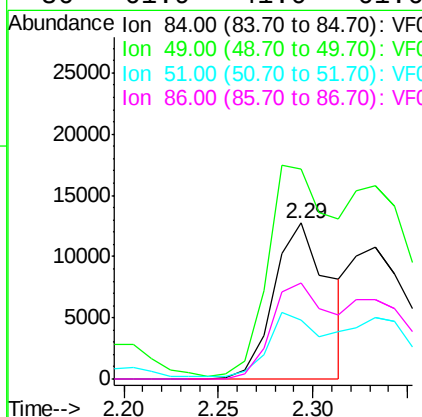
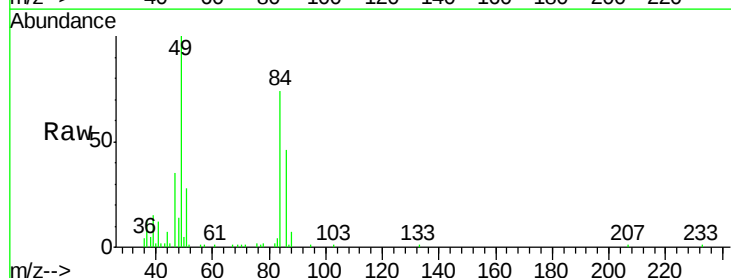
Instrument :
MSVOA_F
ClientSampleId :
ICVVF081418

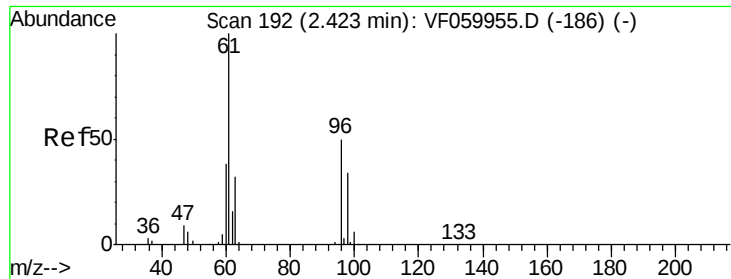
Tot Ion: 73 Resp: 152581
Ion Ratio Lower Upper
73 100
57 17.9 14.0 21.0



#20
Methylene Chloride
Concen: 21.94 ug/l
RT: 2.29 min Scan# 179
Delta R.T. 0.01 min
Lab File: VF059959.D
Acq: 14 Aug 2018 22:23

Tgt Ion: 84 Resp: 26014
Ion Ratio Lower Upper
84 100
49 135.0 134.8 202.2
51 37.5 39.8 59.6#
86 61.9 41.0 61.6#

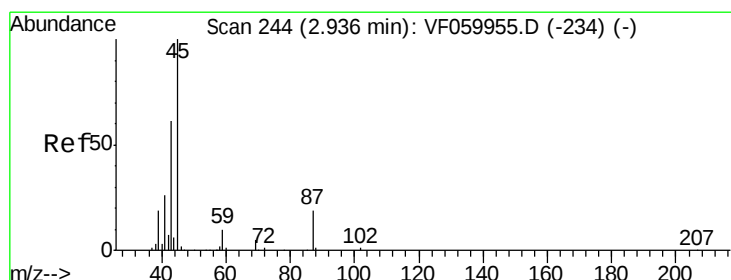
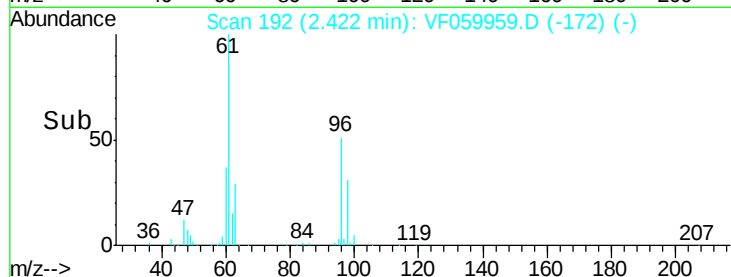
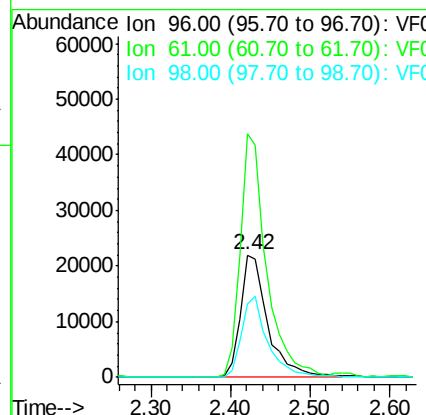
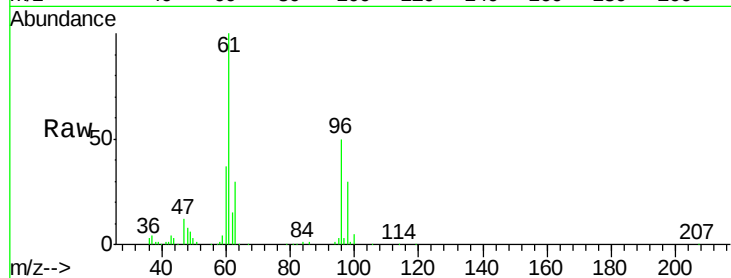




#21
trans-1,2-Dichloroethene
Concen: 47.71 ug/l
RT: 2.42 min Scan# 192
Delta R.T. -0.00 min
Lab File: VF059959.D
Acq: 14 Aug 2018 22:23

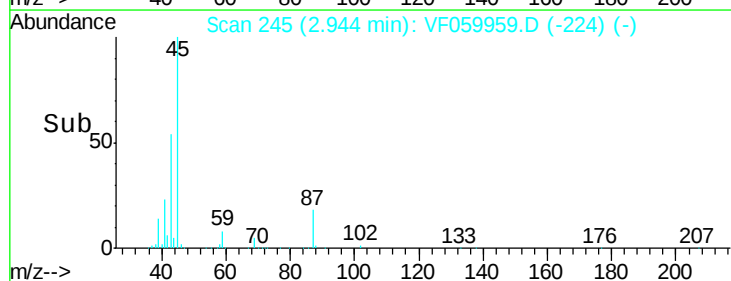
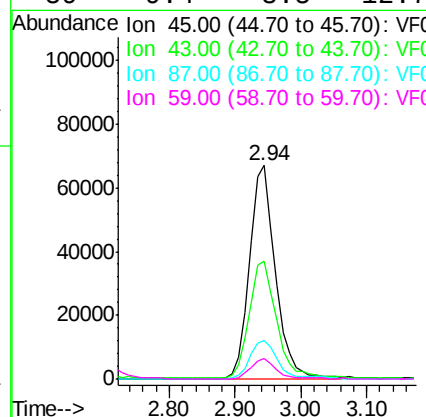
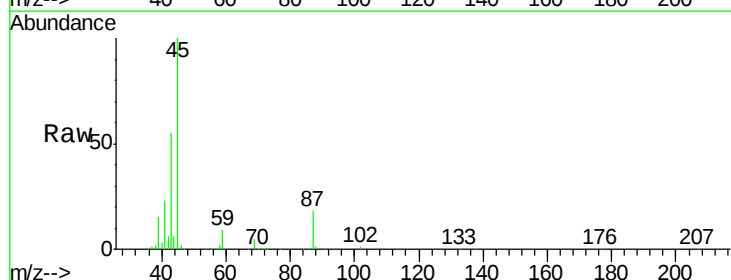
Instrument :
MSVOA_F
ClientSampleId :
ICVVF081418

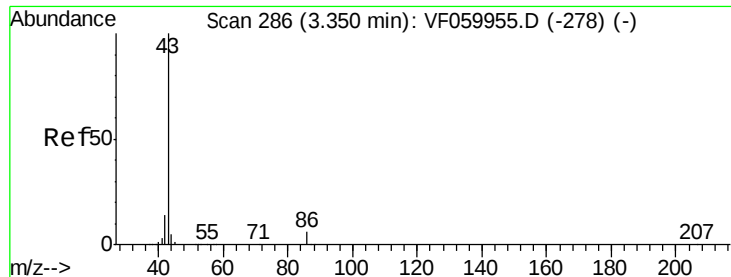
Tot Ion	Ion	Ratio	Lower	Upper
96	96	100		
61	61	198.7	159.5	239.3
98	98	60.4	53.8	80.6



#22
Diisopropyl ether
Concen: 50.20 ug/l
RT: 2.94 min Scan# 245
Delta R.T. 0.01 min
Lab File: VF059959.D
Acq: 14 Aug 2018 22:23

Tgt Ion	Ion	Ratio	Lower	Upper
45	45	100		
43	43	54.9	48.7	73.1
87	87	17.8	15.3	22.9
59	59	9.4	8.5	12.7





#23

Vinyl Acetate

Concen: 258.52 ug/l

RT: 3.35 min Scan# 286

Delta R.T. -0.00 min

Lab File: VF059959.D

Acq: 14 Aug 2018 22:23

Instrument :

MSVOA_F

ClientSampleId :

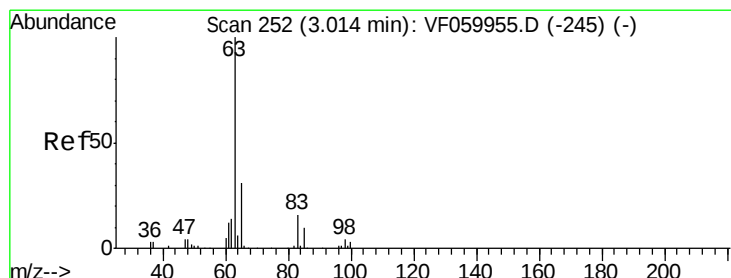
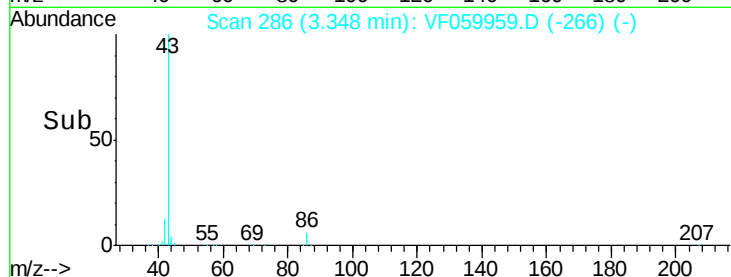
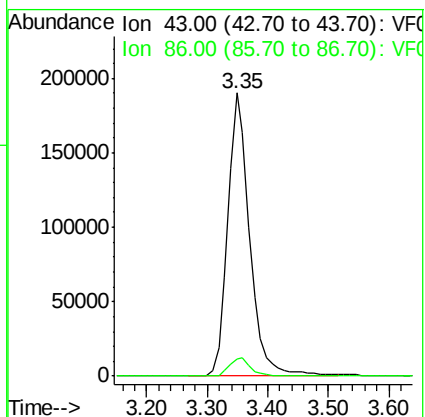
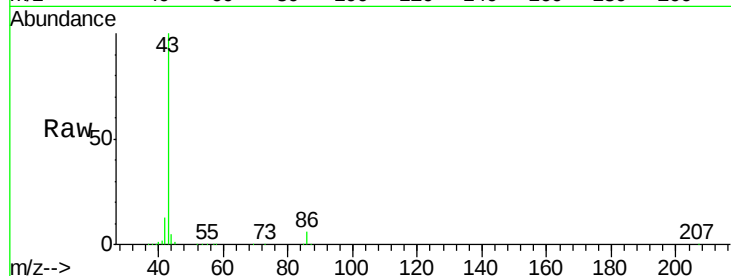
ICVVF081418

Tot Ion: 43 Resp: 475308

Ion Ratio Lower Upper

43 100

86 6.2 4.9 7.3



#24

1,1-Dichloroethane

Concen: 47.66 ug/l

RT: 3.02 min Scan# 253

Delta R.T. 0.01 min

Lab File: VF059959.D

Acq: 14 Aug 2018 22:23

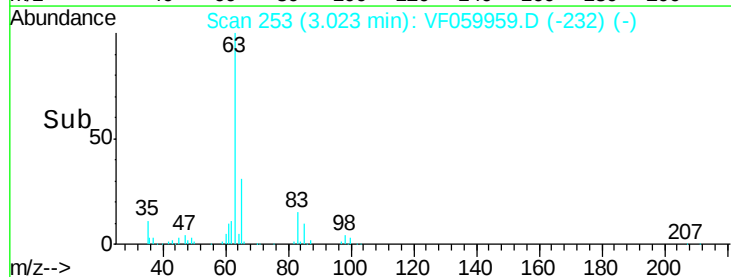
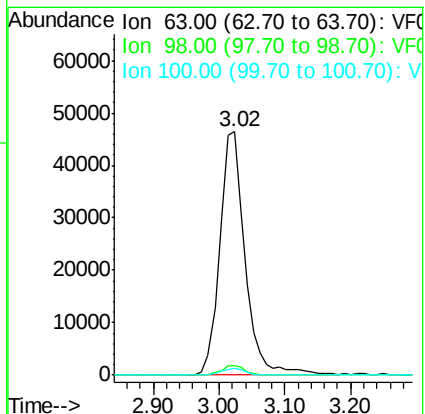
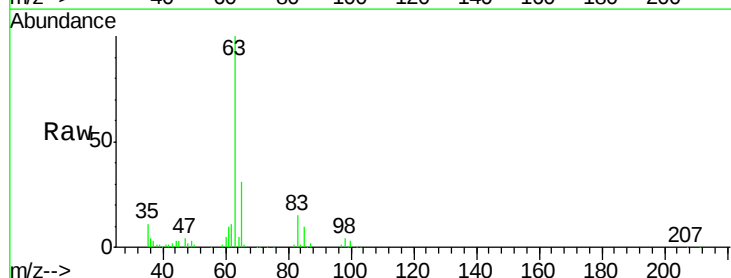
Tgt Ion: 63 Resp: 124743

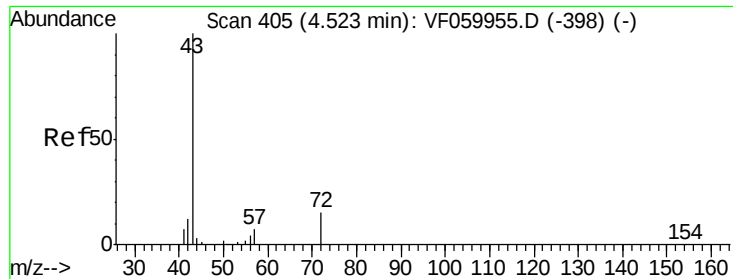
Ion Ratio Lower Upper

63 100

98 3.6 2.1 6.2

100 3.0 1.7 5.1





#25

2-Butanone

Concen: 243.27 ug/l

RT: 4.53 min Scan# 406

Delta R.T. 0.01 min

Lab File: VF059959.D

Acq: 14 Aug 2018 22:23

Instrument :

MSVOA_F

ClientSampleId :

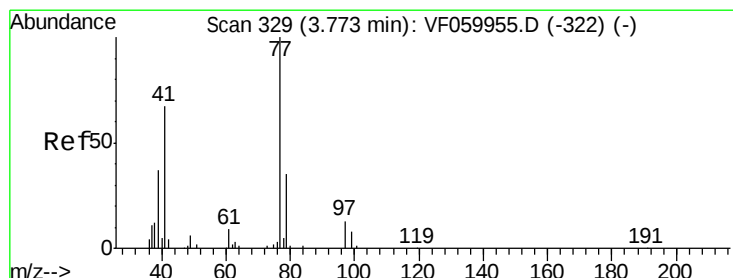
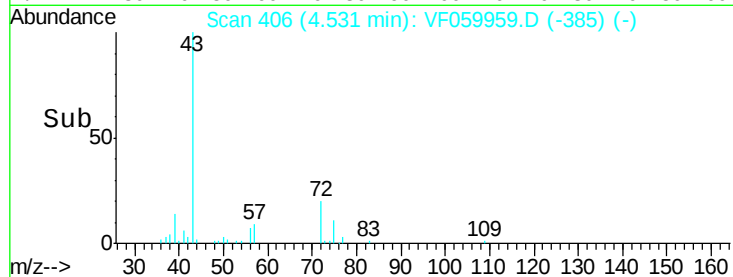
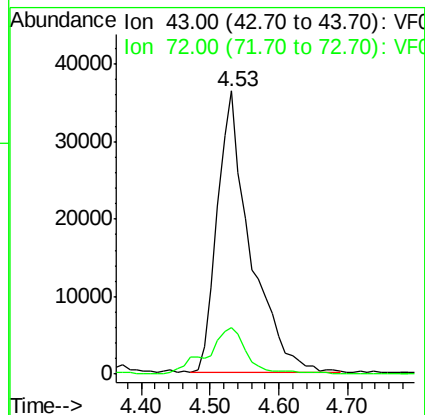
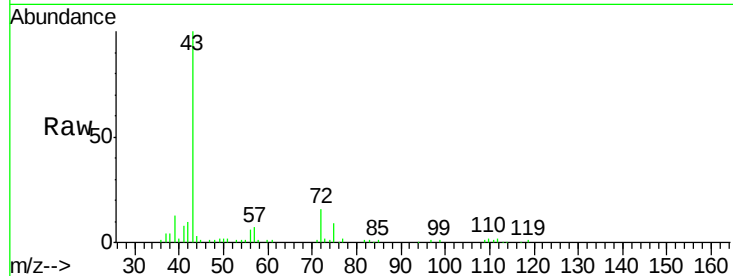
ICVVF081418

Tot Ion: 43 Resp: 121933

Ion Ratio Lower Upper

43 100

72 16.2 14.6 22.0



#26

2,2-Dichloropropane

Concen: 45.11 ug/l

RT: 3.78 min Scan# 330

Delta R.T. 0.01 min

Lab File: VF059959.D

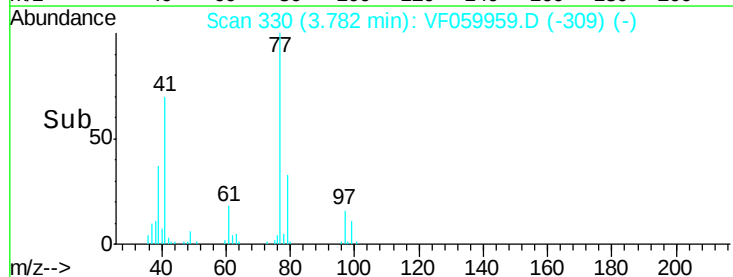
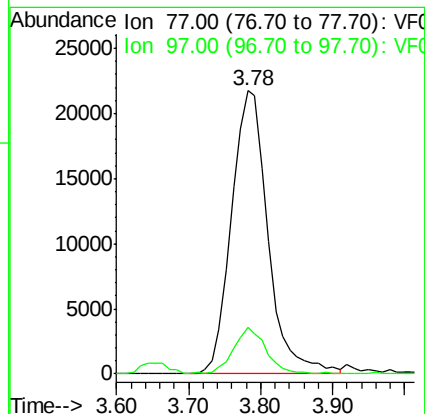
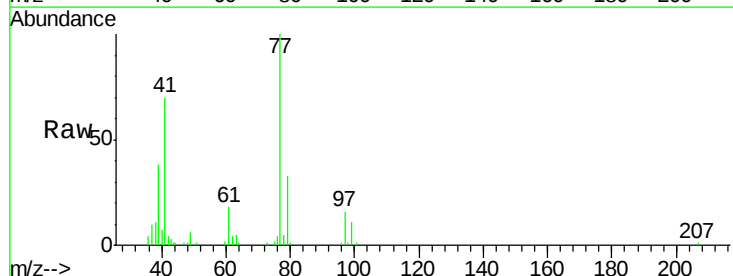
Acq: 14 Aug 2018 22:23

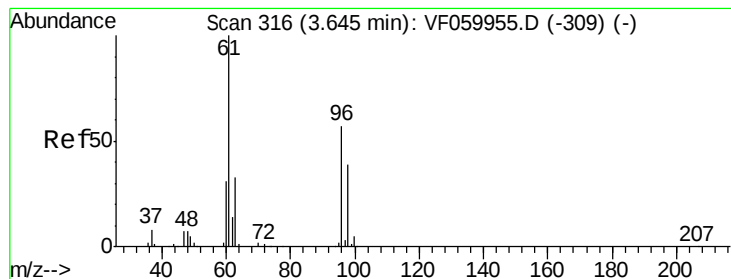
Tgt Ion: 77 Resp: 76809

Ion Ratio Lower Upper

77 100

97 17.8 6.6 19.7





#27

cis-1,2-Dichloroethene

Concen: 51.07 ug/l

RT: 3.65 min Scan# 317

Delta R.T. 0.01 min

Lab File: VF059959.D

Acq: 14 Aug 2018 22:23

Instrument :

MSVOA_F

ClientSampleId :

ICVVF081418

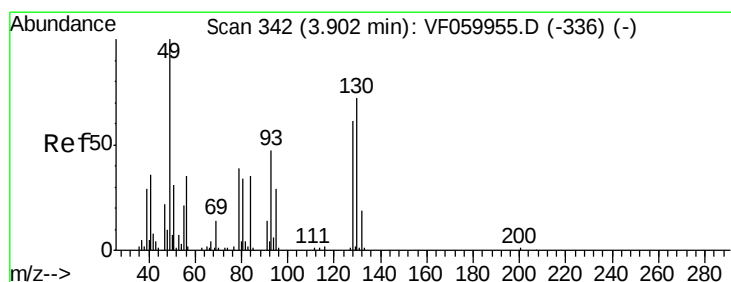
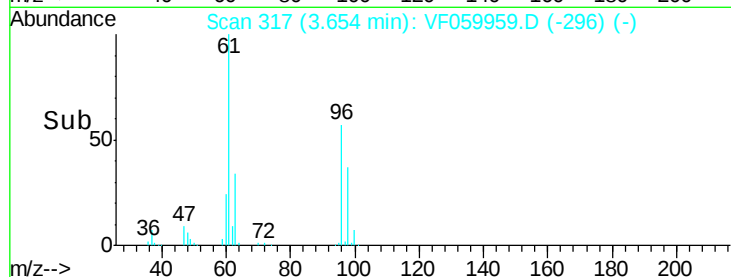
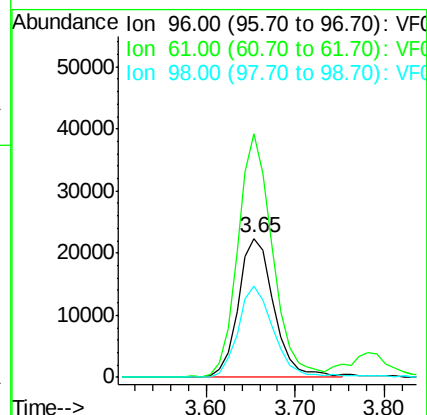
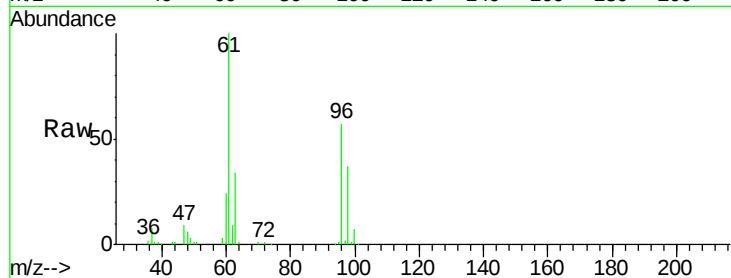
Tot Ion: 96 Resp: 62088

Ion Ratio Lower Upper

96 100

61 175.2 0.0 349.4

98 65.5 0.0 134.6



#28

Bromochloromethane

Concen: 47.71 ug/l

RT: 3.91 min Scan# 343

Delta R.T. 0.01 min

Lab File: VF059959.D

Acq: 14 Aug 2018 22:23

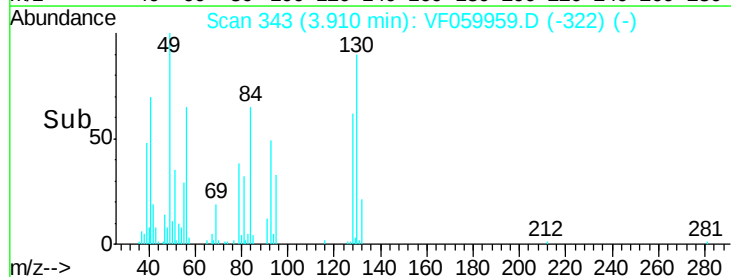
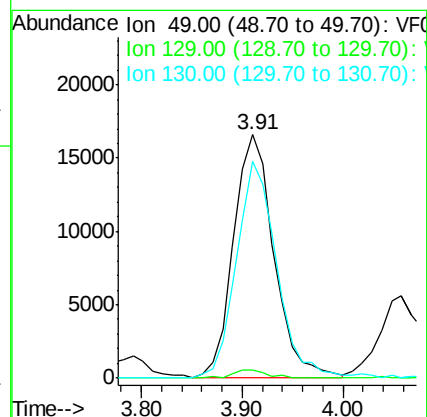
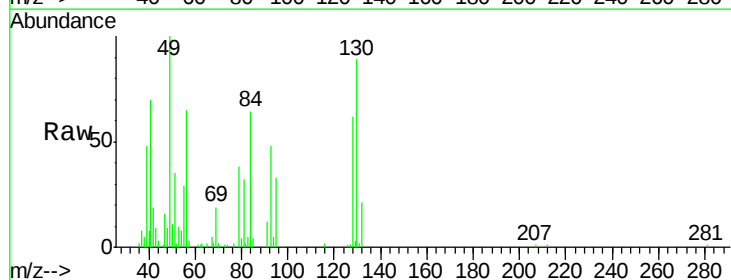
Tgt Ion: 49 Resp: 46516

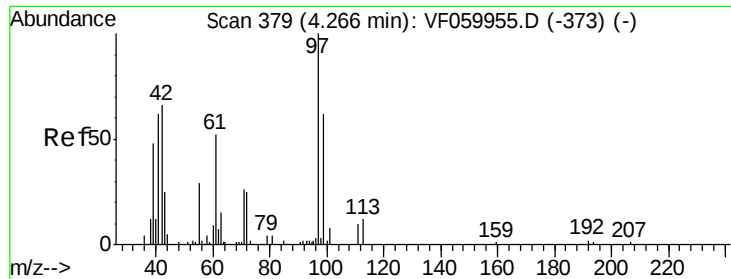
Ion Ratio Lower Upper

49 100

129 3.4 0.0 4.2

130 89.2 58.1 87.1#





#29

Tetrahydrofuran

Concen: 237.05 ug/l

RT: 4.27 min Scan# 380

Delta R.T. 0.01 min

Lab File: VF059959.D

Acq: 14 Aug 2018 22:23

Instrument :

MSVOA_F

ClientSampleId :

ICVVF081418

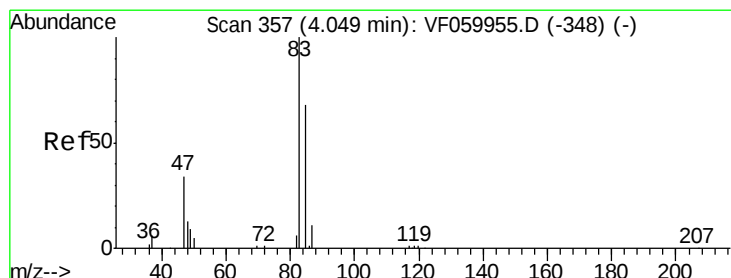
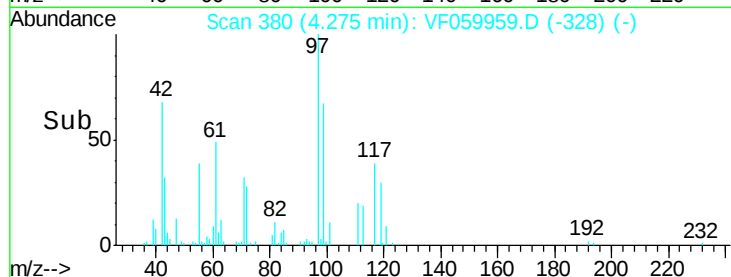
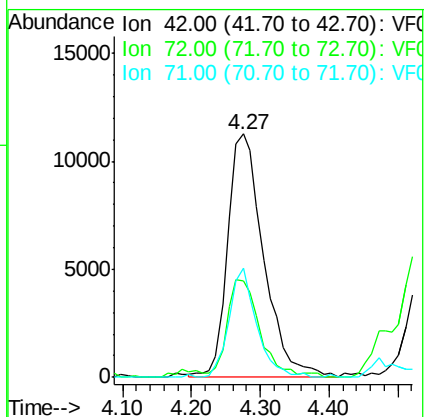
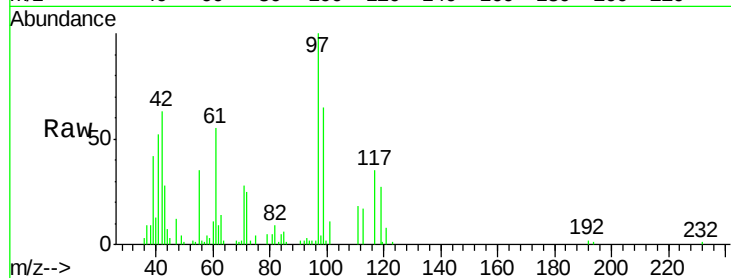
Tot Ion: 42 Resp: 40813

Ion Ratio Lower Upper

42 100

72 36.9 27.7 41.5

71 34.6 28.2 42.4



#30

Chloroform

Concen: 46.14 ug/l

RT: 4.06 min Scan# 358

Delta R.T. 0.01 min

Lab File: VF059959.D

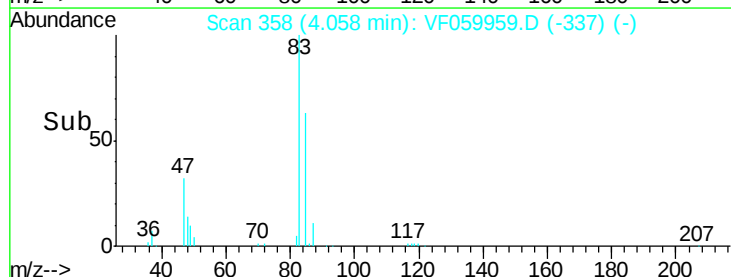
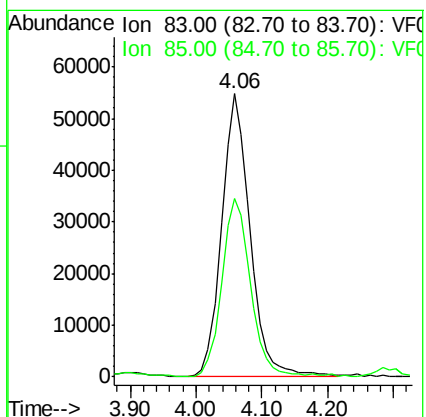
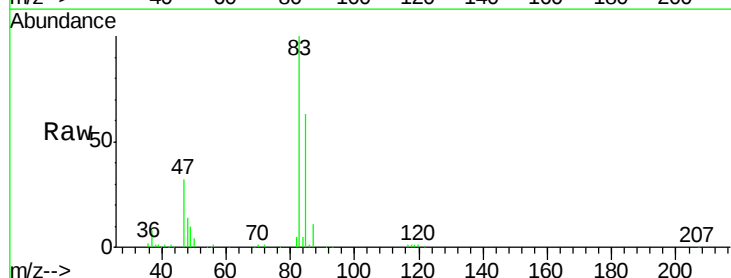
Acq: 14 Aug 2018 22:23

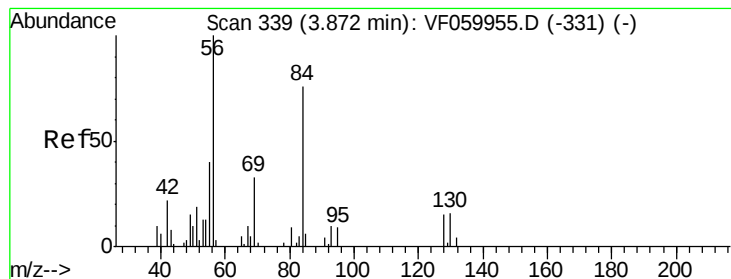
Tgt Ion: 83 Resp: 165837

Ion Ratio Lower Upper

83 100

85 63.0 54.4 81.6





#31

Cyclohexane

Concen: 51.40 ug/l

RT: 3.89 min Scan# 341

Delta R.T. 0.02 min

Lab File: VF059959.D

Acq: 14 Aug 2018 22:23

Instrument :

MSVOA_F

ClientSampleId :

ICVVF081418

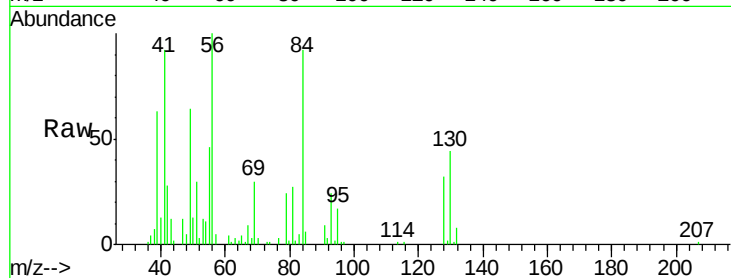
Tot Ion: 56 Resp: 67284

Ion Ratio Lower Upper

56 100

69 29.6 26.2 39.2

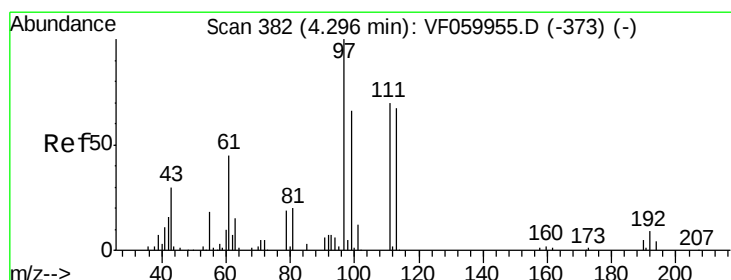
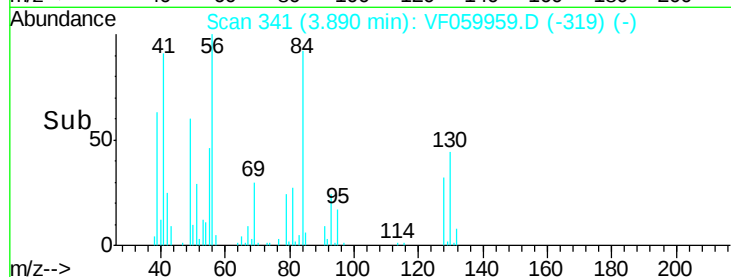
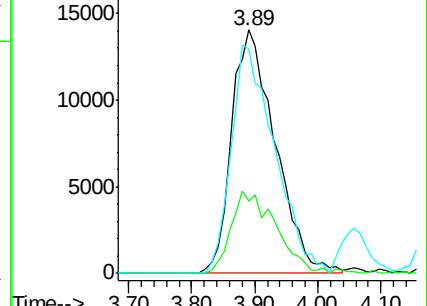
84 92.3 61.0 91.4#



Abundance Ion 56.00 (55.70 to 56.70): VF059959.D (-341) (-)

Ion 69.00 (68.70 to 69.70): VF059959.D (-341) (-)

Ion 84.00 (83.70 to 84.70): VF059959.D (-341) (-)



#32

1,1,1-Trichloroethane

Concen: 44.80 ug/l

RT: 4.29 min Scan# 382

Delta R.T. -0.00 min

Lab File: VF059959.D

Acq: 14 Aug 2018 22:23

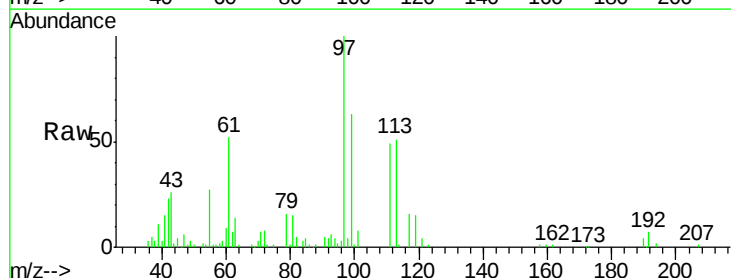
Tgt Ion: 97 Resp: 132406

Ion Ratio Lower Upper

97 100

99 62.9 53.0 79.4

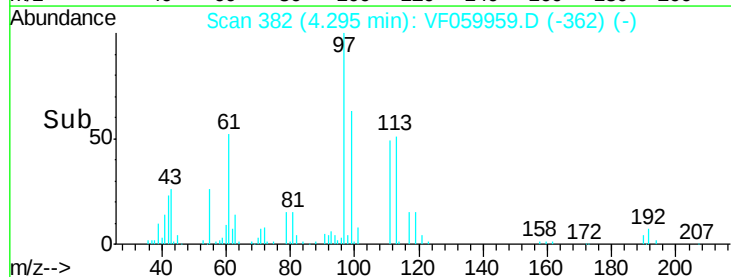
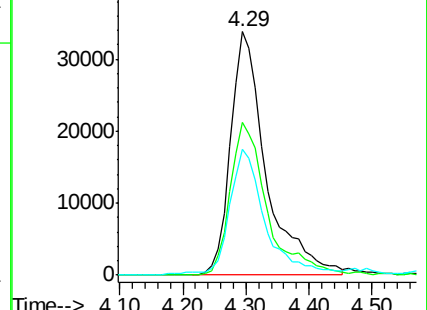
61 51.5 36.6 55.0

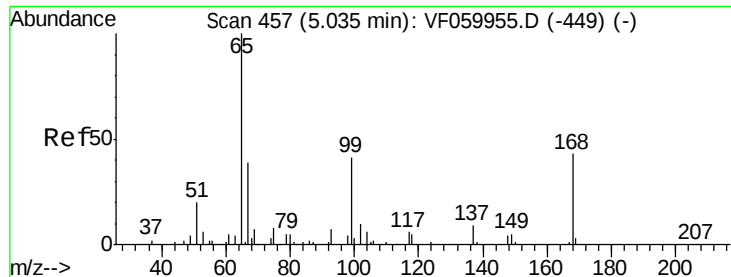


Abundance Ion 97.00 (96.70 to 97.70): VF059959.D (-382) (-)

Ion 99.00 (98.70 to 99.70): VF059959.D (-382) (-)

Ion 61.00 (60.70 to 61.70): VF059959.D (-382) (-)





#33

1,2-Dichloroethane-d4

Concen: 45.92 ug/l

RT: 5.04 min Scan# 458

Delta R.T. 0.01 min

Lab File: VF059959.D

Acq: 14 Aug 2018 22:23

Instrument :

MSVOA_F

ClientSampleId :

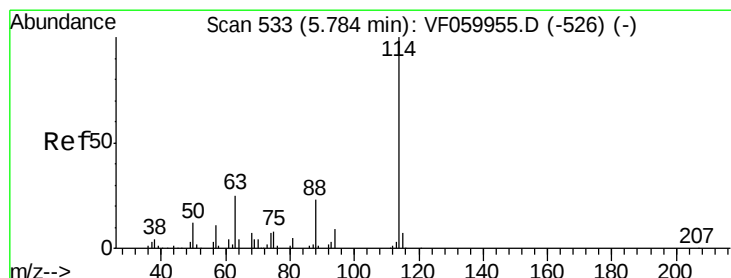
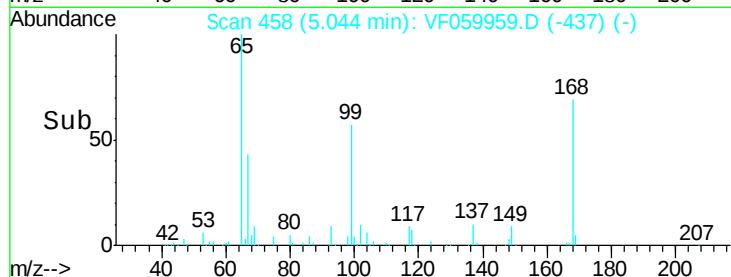
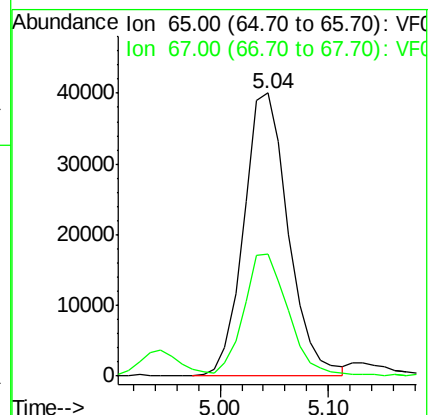
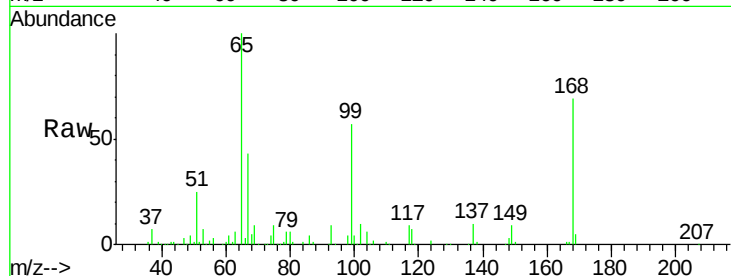
ICVVF081418

Tot Ion: 65 Resp: 114664

Ion Ratio Lower Upper

65 100

67 43.4 0.0 87.4



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.79 min Scan# 534

Delta R.T. 0.01 min

Lab File: VF059959.D

Acq: 14 Aug 2018 22:23

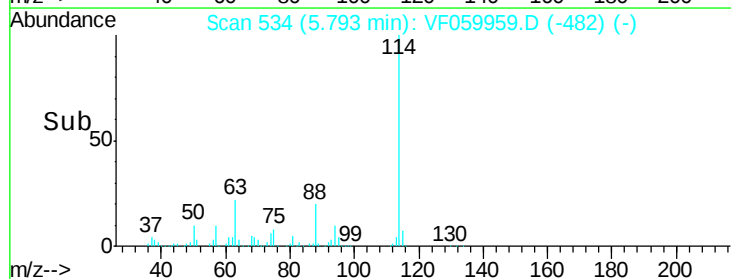
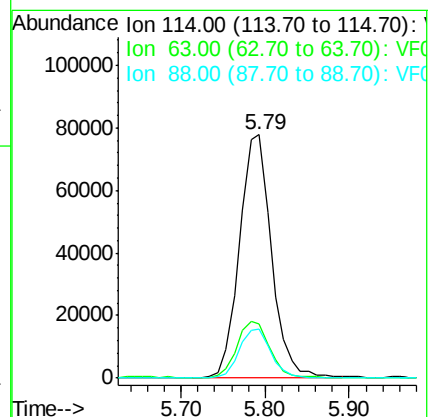
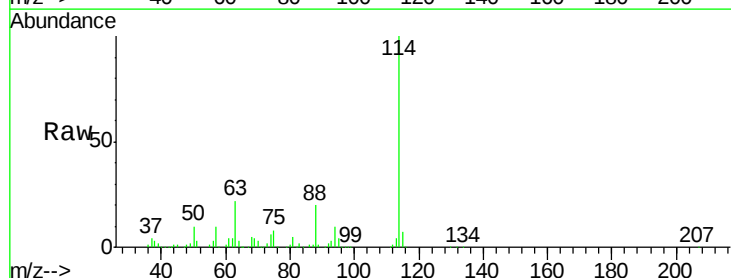
Tgt Ion: 114 Resp: 206706

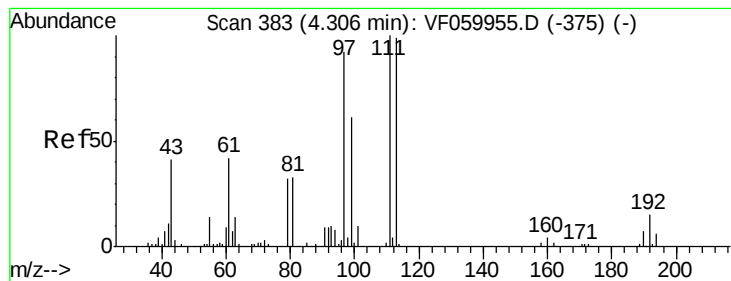
Ion Ratio Lower Upper

114 100

63 22.4 0.0 50.2

88 20.2 0.0 46.8





#35

Dibromofluoromethane

Concen: 45.81 ug/l

RT: 4.31 min Scan# 384

Delta R.T. 0.01 min

Lab File: VF059959.D

Acq: 14 Aug 2018 22:23

Instrument :

MSVOA_F

ClientSampleId :

ICVVF081418

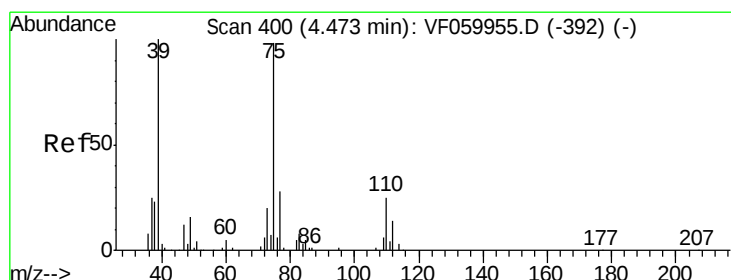
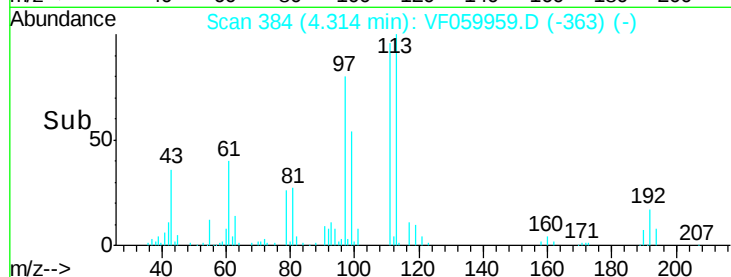
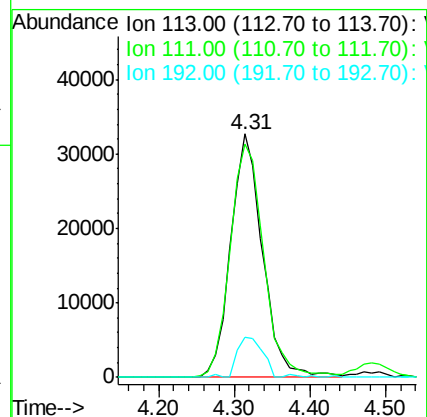
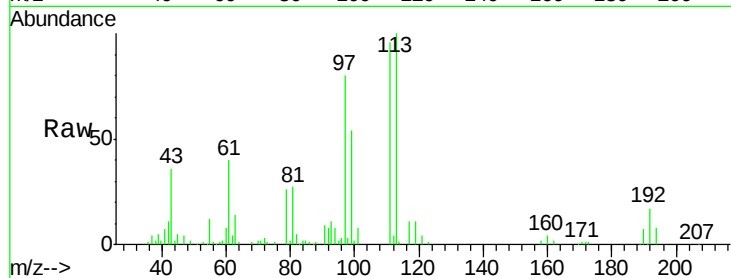
Tot Ion:113 Resp: 94885

Ion Ratio Lower Upper

113 100

111 95.8 80.6 121.0

192 16.6 11.7 17.5



#36

1,1-Dichloropropene

Concen: 46.52 ug/l

RT: 4.48 min Scan# 401

Delta R.T. 0.01 min

Lab File: VF059959.D

Acq: 14 Aug 2018 22:23

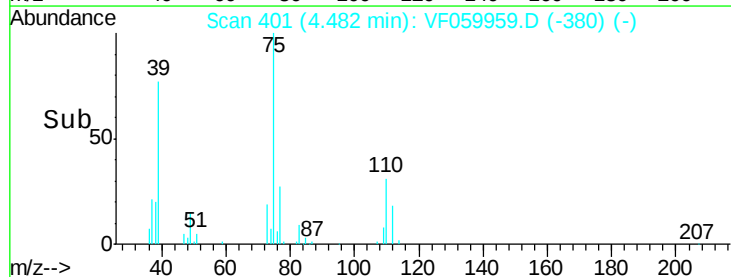
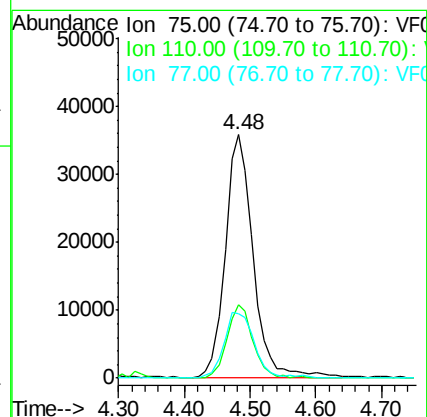
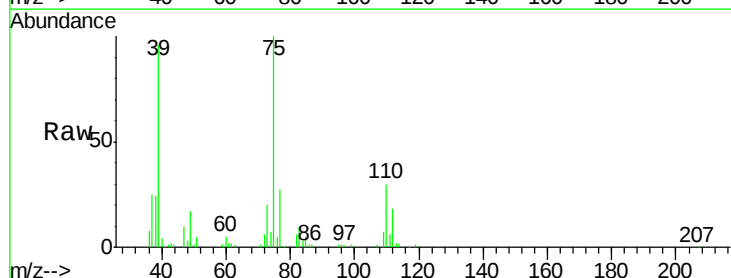
Tgt Ion: 75 Resp: 106814

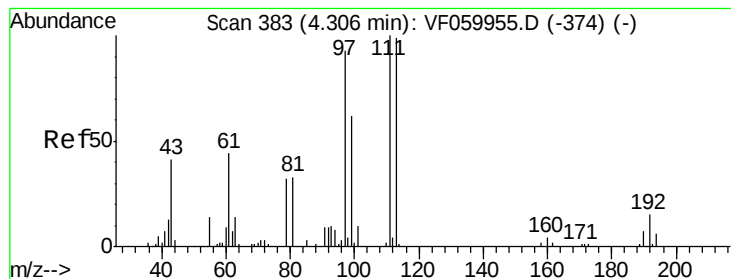
Ion Ratio Lower Upper

75 100

110 30.4 12.6 37.8

77 26.7 22.7 34.1





#37

Ethyl Acetate

Concen: 45.26 ug/l

RT: 4.30 min Scan# 383

Delta R.T. -0.00 min

Lab File: VF059959.D

Acq: 14 Aug 2018 22:23

Instrument :

MSVOA_F

ClientSampleId :

ICVVF081418

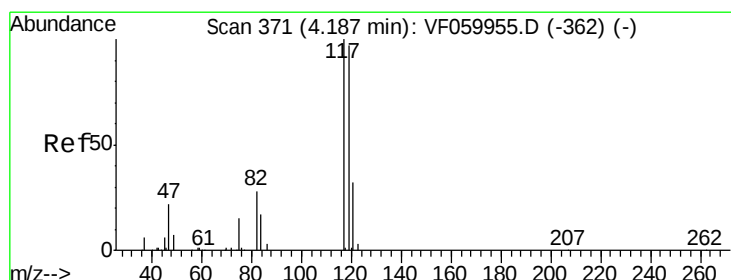
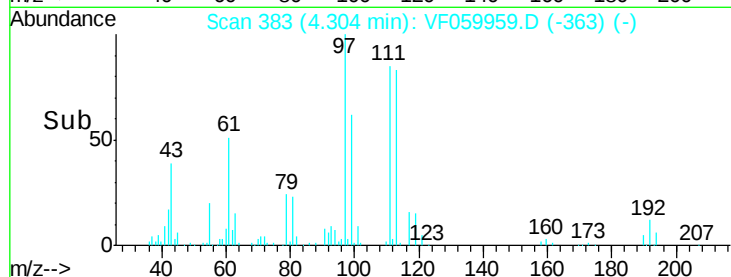
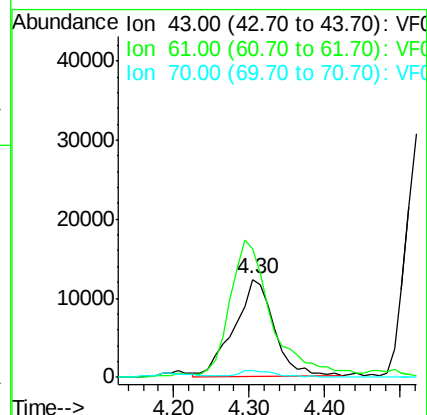
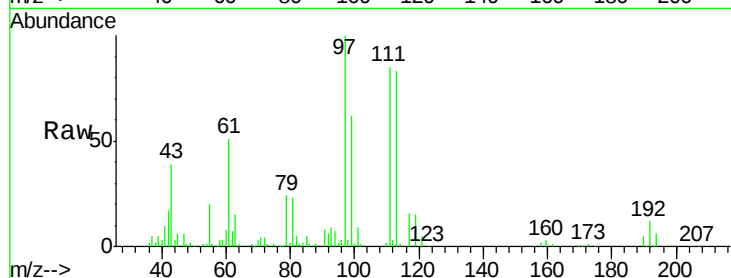
Tot Ion: 43 Resp: 44469

Ion Ratio Lower Upper

43 100

61 130.2 84.3 126.5#

70 7.5 5.5 8.3



#38

Carbon Tetrachloride

Concen: 42.18 ug/l

RT: 4.20 min Scan# 372

Delta R.T. 0.01 min

Lab File: VF059959.D

Acq: 14 Aug 2018 22:23

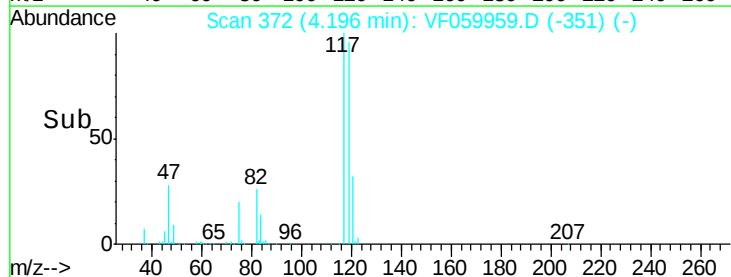
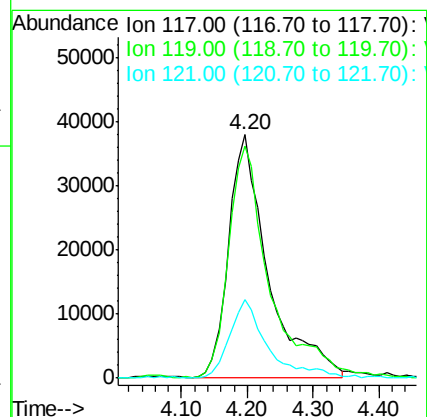
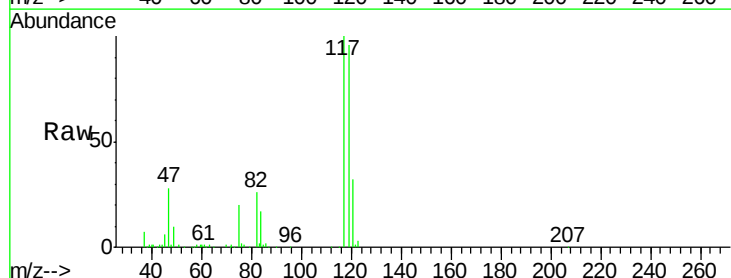
Tgt Ion: 117 Resp: 161281

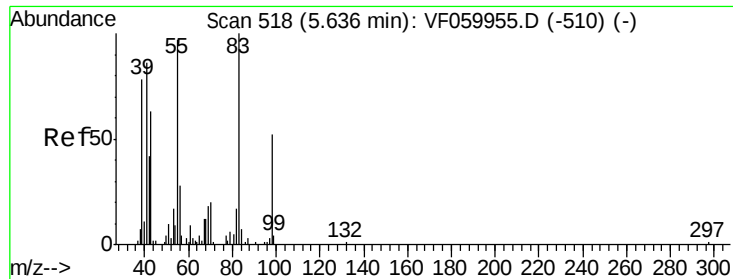
Ion Ratio Lower Upper

117 100

119 95.6 76.9 115.3

121 32.3 24.9 37.3

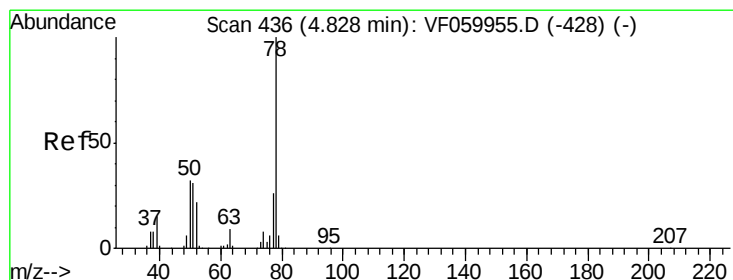
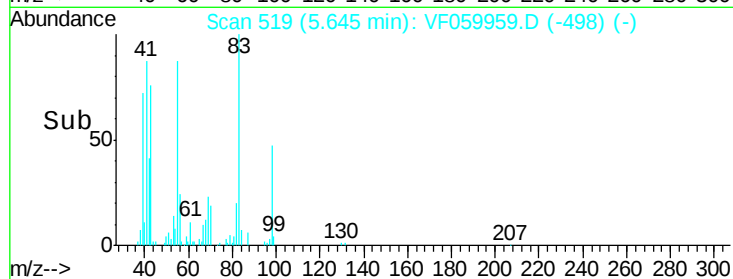
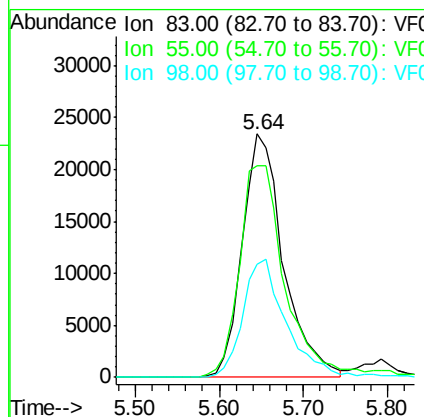
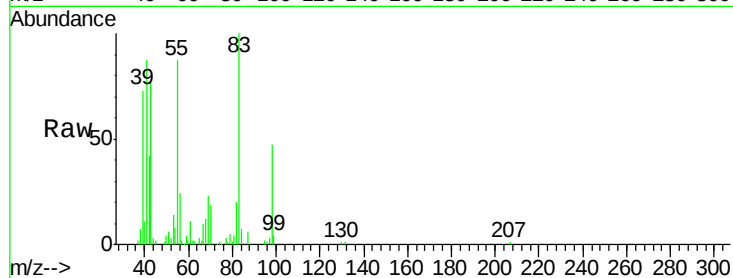




#39
Methvlcvclohexane
Concen: 48.13 ug/l
RT: 5.64 min Scan# 519
Delta R.T. 0.01 min
Lab File: VF059959.D
Acq: 14 Aug 2018 22:23

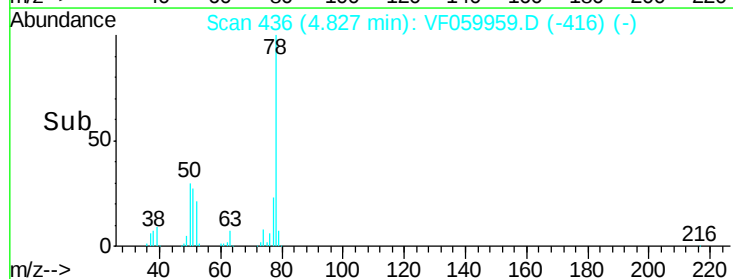
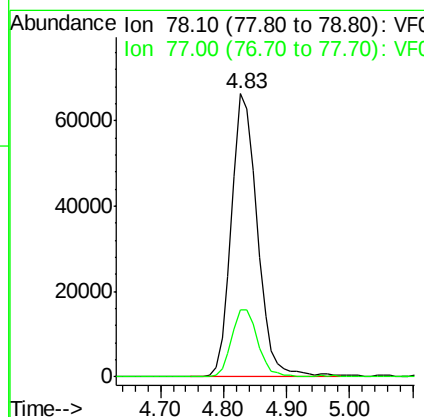
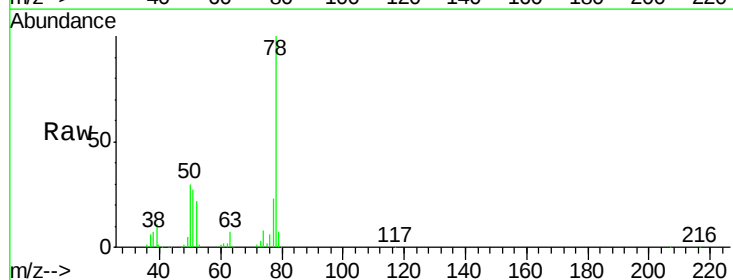
Instrument :
MSVOA_F
ClientSampleId :
ICVVF081418

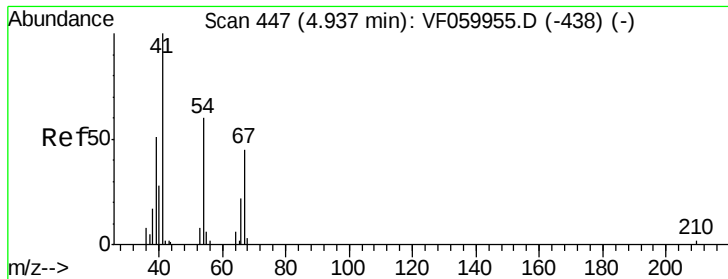
Tot Ion: 83 Resp: 80333
Ion Ratio Lower Upper
83 100
55 86.8 77.4 116.2
98 46.7 41.5 62.3



#40
Benzene
Concen: 48.71 ug/l
RT: 4.83 min Scan# 436
Delta R.T. -0.00 min
Lab File: VF059959.D
Acq: 14 Aug 2018 22:23

Tgt Ion: 78 Resp: 189358
Ion Ratio Lower Upper
78 100
77 23.5 21.1 31.7



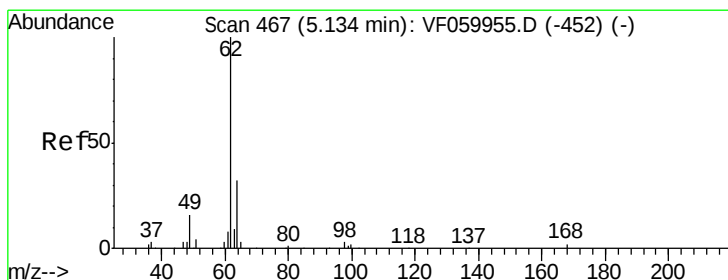
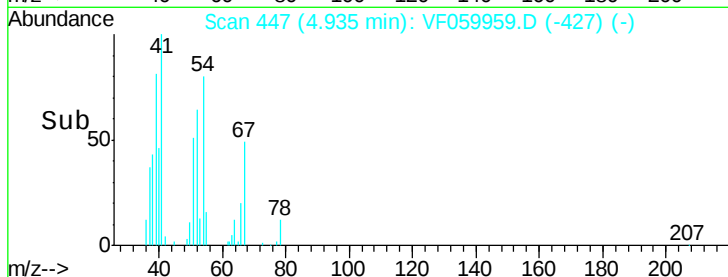
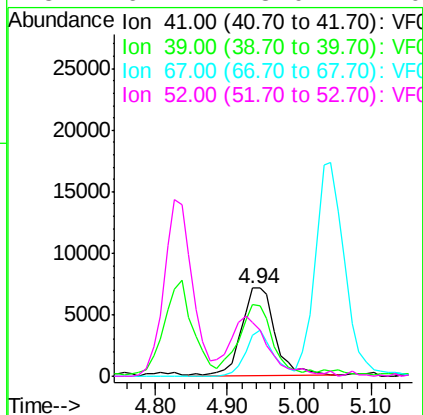
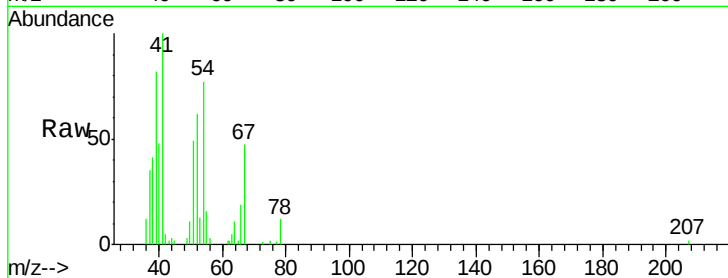


#41
Methacrylonitrile
Concen: 47.24 ug/l
RT: 4.94 min Scan# 447
Delta R.T. -0.00 min
Lab File: VF059959.D
Acq: 14 Aug 2018 22:23

Instrument :
MSVOA_F
ClientSampleId :
ICVVF081418

Tot Ion: 41 Resp: 22892

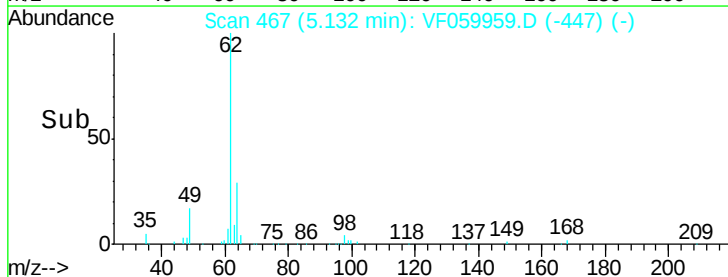
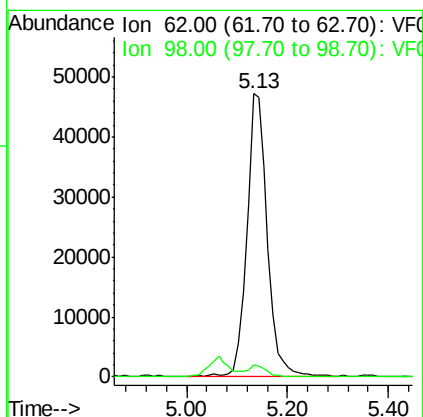
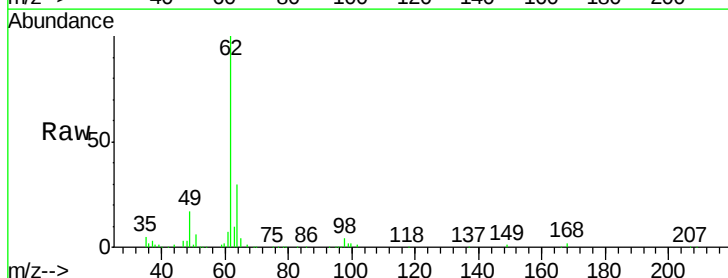
Ion	Ratio	Lower	Upper
41	100		
39	81.7	75.7	113.5
67	47.3	36.1	54.1
52	61.7	48.0	72.0

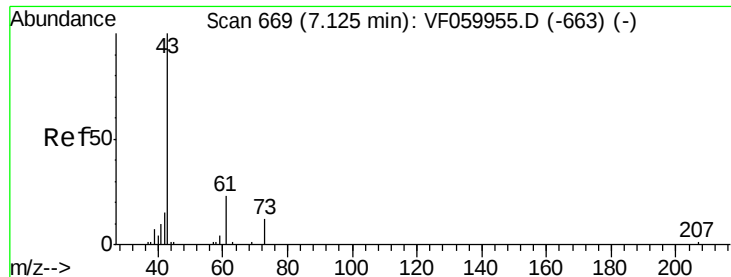


#42
1,2-Dichloroethane
Concen: 43.03 ug/l
RT: 5.13 min Scan# 467
Delta R.T. -0.00 min
Lab File: VF059959.D
Acq: 14 Aug 2018 22:23

Tgt Ion: 62 Resp: 132880

Ion	Ratio	Lower	Upper
62	100		
98	4.2	0.0	5.0



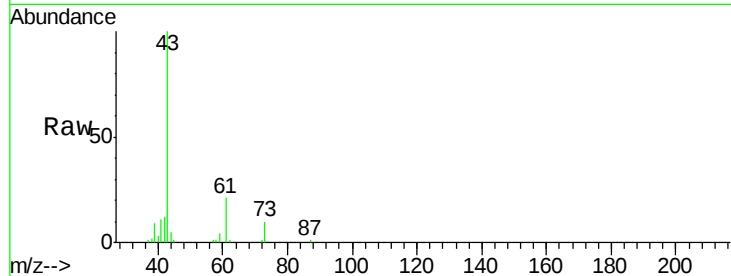


#43

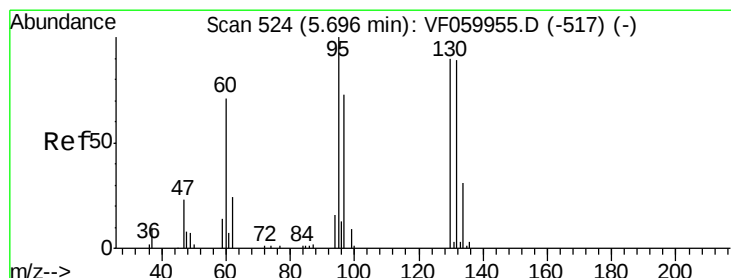
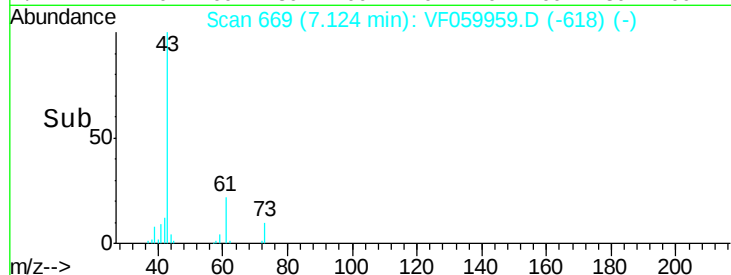
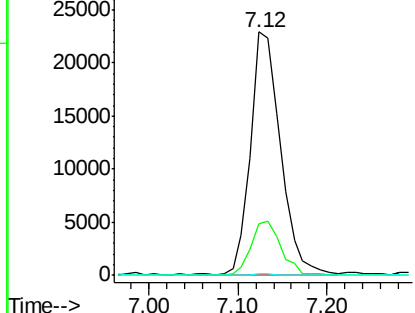
Isopropyl Acetate
 Concen: 50.09 ug/l
 RT: 7.12 min Scan# 669
 Delta R.T. -0.00 min
 Lab File: VF059959.D
 Acq: 14 Aug 2018 22:23

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF081418

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.2	18.6	27.8
87	0.9	0.0	0.0#



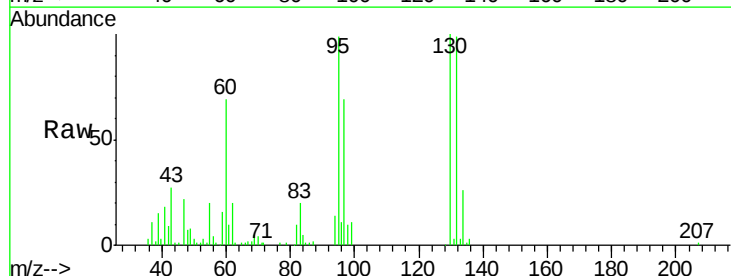
Abundance Ion 43.00 (42.70 to 43.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 87.00 (86.70 to 87.70): VF0



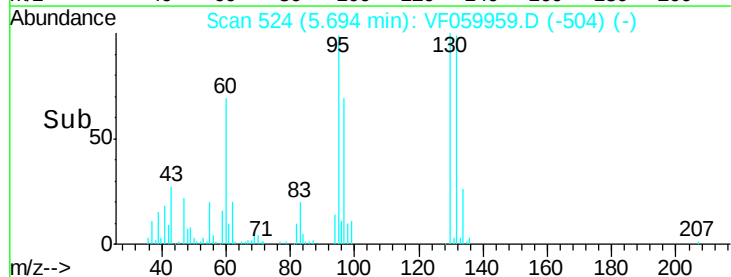
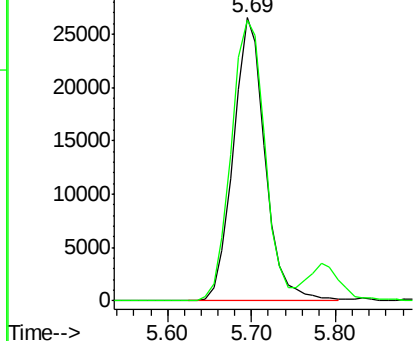
#44

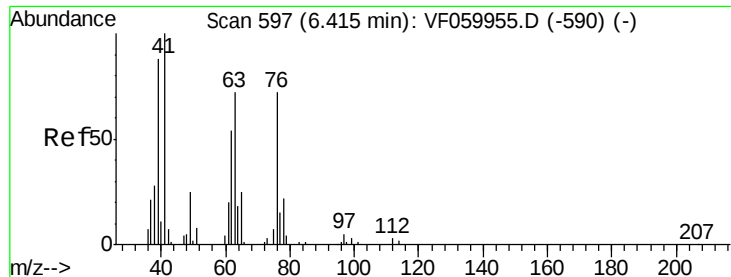
Trichloroethene
 Concen: 46.56 ug/l
 RT: 5.69 min Scan# 524
 Delta R.T. -0.00 min
 Lab File: VF059959.D
 Acq: 14 Aug 2018 22:23

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.0	0.0	222.0



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





#45

1,2-Dichloropropane

Concen: 50.22 ug/l

RT: 6.42 min Scan# 598

Delta R.T. 0.01 min

Lab File: VF059959.D

Acq: 14 Aug 2018 22:23

Instrument :

MSVOA_F

ClientSampleId :

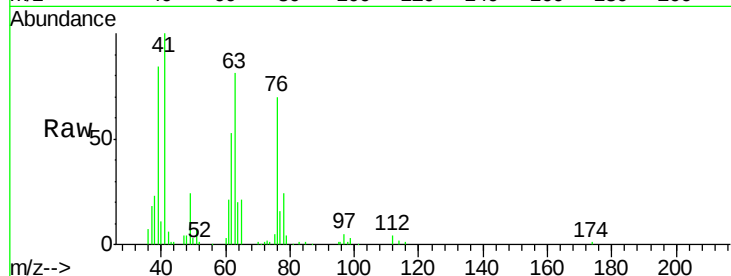
ICVVF081418

Tot Ion: 63 Resp: 51627

Ion Ratio Lower Upper

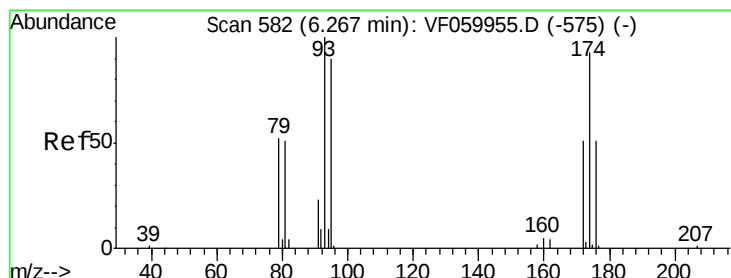
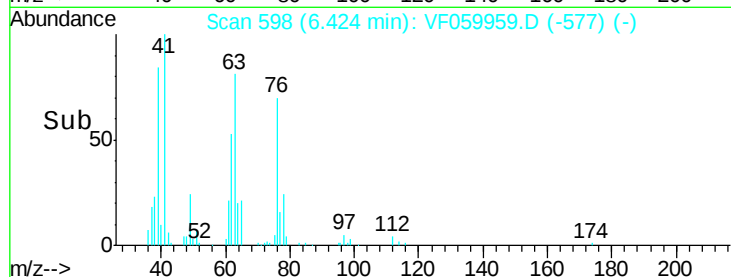
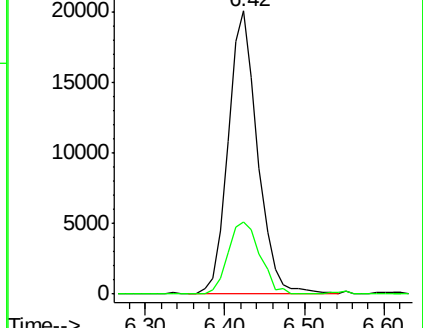
63 100

65 25.5 27.8 41.6#



Abundance Ion 63.00 (62.70 to 63.70): VF059955.D (-590) (-)

Ion 65.00 (64.70 to 65.70): VF059955.D (-590) (-)



#46

Dibromomethane

Concen: 44.32 ug/l

RT: 6.28 min Scan# 583

Delta R.T. 0.01 min

Lab File: VF059959.D

Acq: 14 Aug 2018 22:23

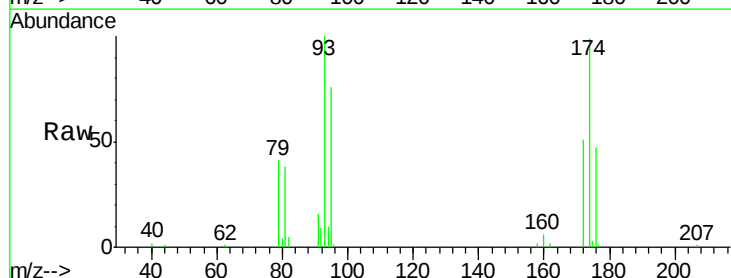
Tgt Ion: 93 Resp: 44951

Ion Ratio Lower Upper

93 100

95 76.6 72.4 108.6

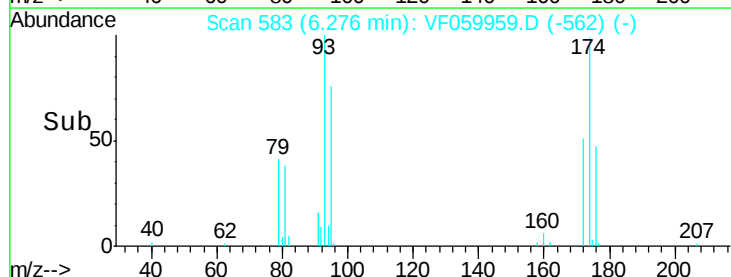
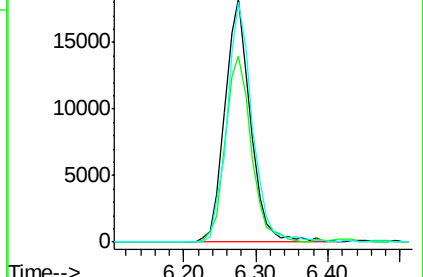
174 98.7 75.9 113.9

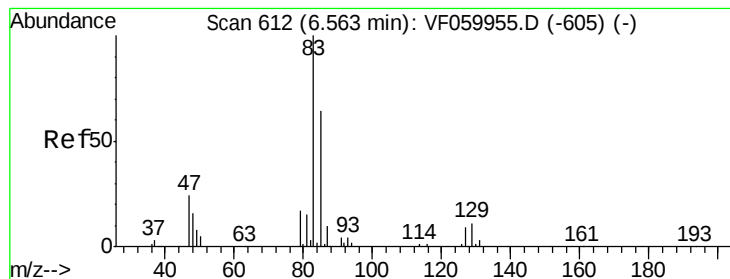


Abundance Ion 93.00 (92.70 to 93.70): VF059955.D (-575) (-)

Ion 95.00 (94.70 to 95.70): VF059955.D (-575) (-)

Ion 174.00 (173.70 to 174.70): VF059955.D (-575) (-)





#47

Bromodichloromethane

Concen: 43.62 ug/l

RT: 6.56 min Scan# 612

Delta R.T. -0.00 min

Lab File: VF059959.D

Acq: 14 Aug 2018 22:23

Instrument :

MSVOA_F

ClientSampleId :

ICVVF081418

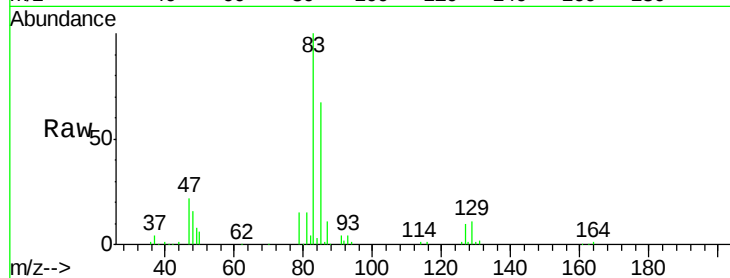
Tot Ion: 83 Resp: 127681

Ion Ratio Lower Upper

83 100

85 67.3 51.5 77.3

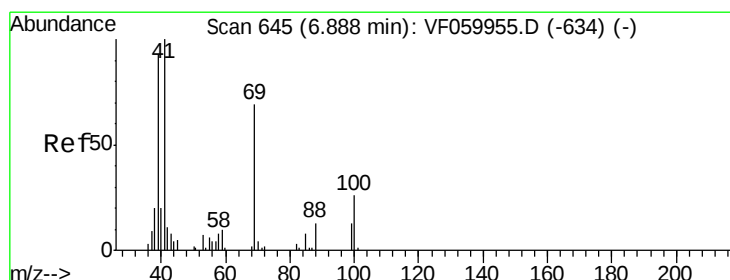
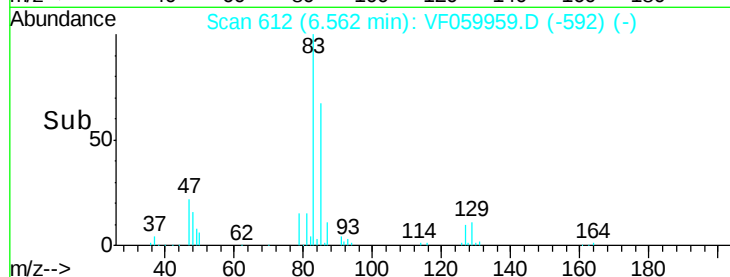
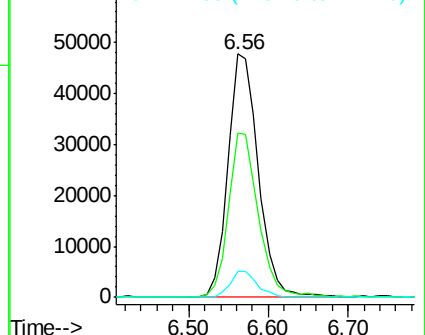
127 10.7 7.5 11.3



Abundance Ion 83.00 (82.70 to 83.70): VF059959.D (-592) (-)

Ion 85.00 (84.70 to 85.70): VF059959.D (-592) (-)

Ion 127.00 (126.70 to 127.70): VF059959.D (-592) (-)



#48

Methyl methacrylate

Concen: 50.30 ug/l

RT: 6.89 min Scan# 645

Delta R.T. -0.00 min

Lab File: VF059959.D

Acq: 14 Aug 2018 22:23

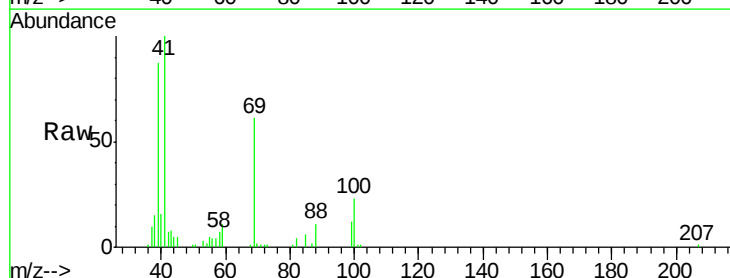
Tgt Ion: 41 Resp: 40130

Ion Ratio Lower Upper

41 100

69 60.5 54.8 82.2

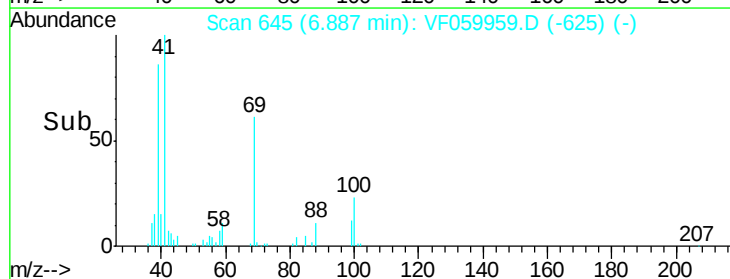
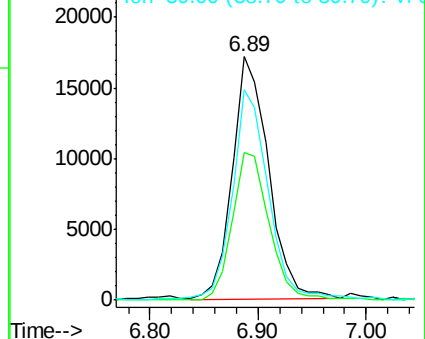
39 86.6 75.1 112.7

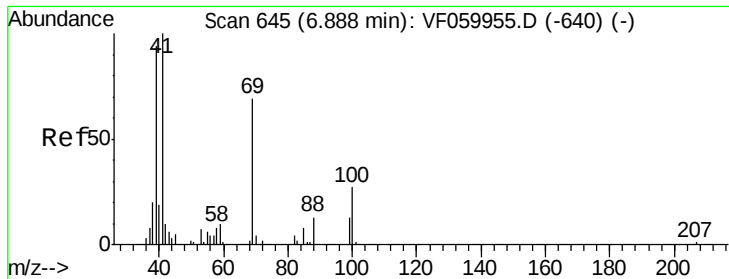


Abundance Ion 41.00 (40.70 to 41.70): VF059959.D (-625) (-)

Ion 69.00 (68.70 to 69.70): VF059959.D (-625) (-)

Ion 39.00 (38.70 to 39.70): VF059959.D (-625) (-)





#49

1,4-Dioxane

Concen: 846.50 ug/l

RT: 6.89 min Scan# 645

Delta R.T. -0.00 min

Lab File: VF059959.D

Acq: 14 Aug 2018 22:23

Instrument :

MSVOA_F

ClientSampleId :

ICVVF081418

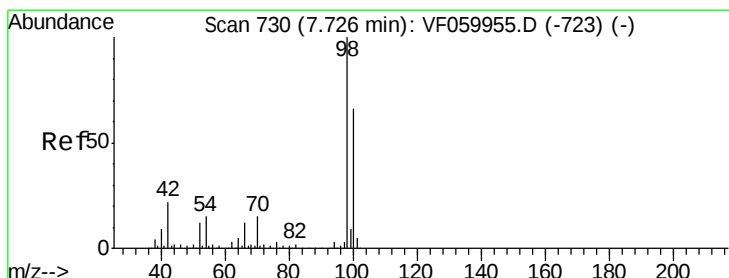
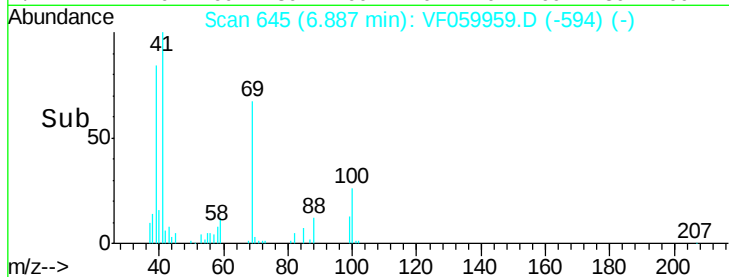
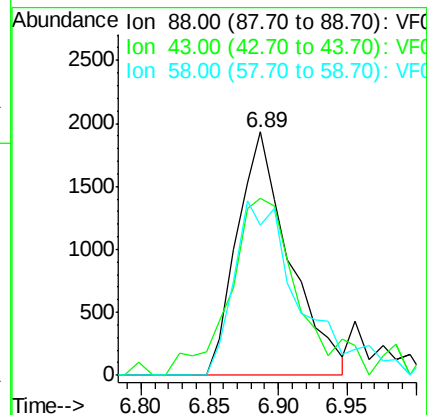
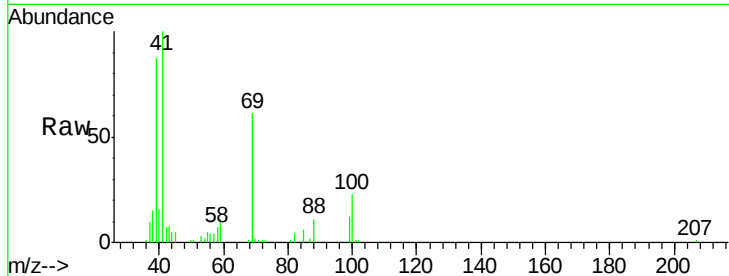
Tot Ion: 88 Resp: 5107

Ion Ratio Lower Upper

88 100

43 72.9 47.9 71.9#

58 61.5 52.0 78.0



#50

Toluene-d8

Concen: 50.83 ug/l

RT: 7.72 min Scan# 730

Delta R.T. -0.00 min

Lab File: VF059959.D

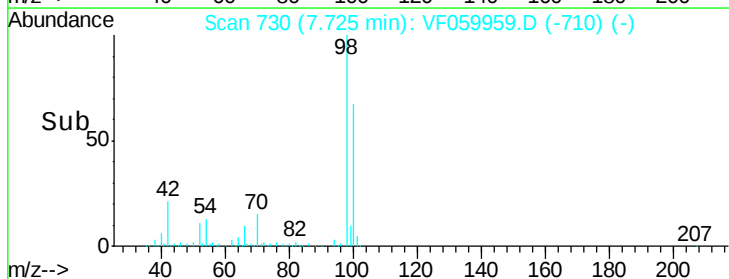
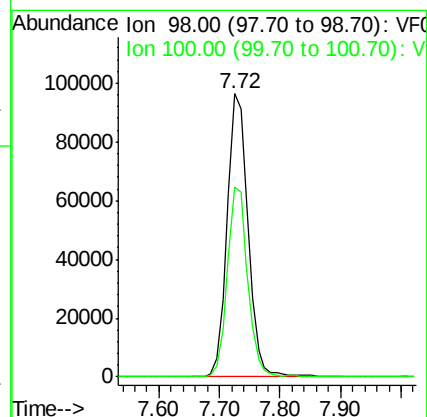
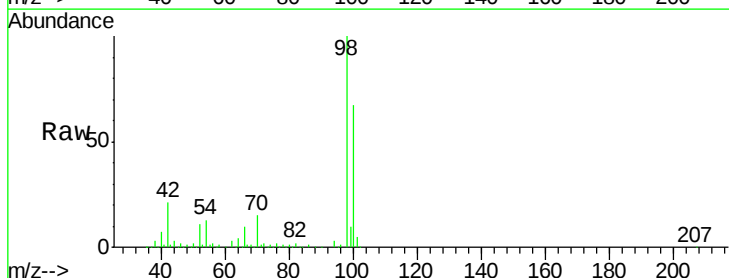
Acq: 14 Aug 2018 22:23

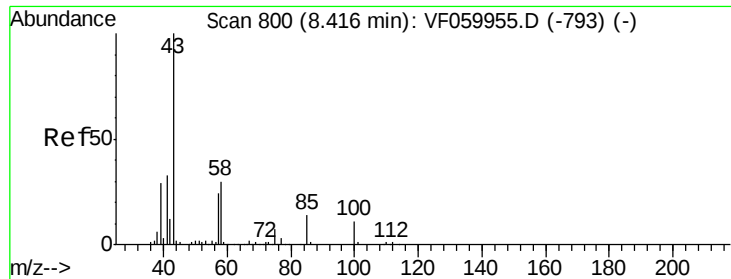
Tgt Ion: 98 Resp: 232178

Ion Ratio Lower Upper

98 100

100 66.9 52.9 79.3





#51

4-Methyl-2-Pentanone

Concen: 233.43 ug/l

RT: 8.42 min Scan# 801

Delta R.T. 0.01 min

Lab File: VF059959.D

Acq: 14 Aug 2018 22:23

Instrument :

MSVOA_F

ClientSampleId :

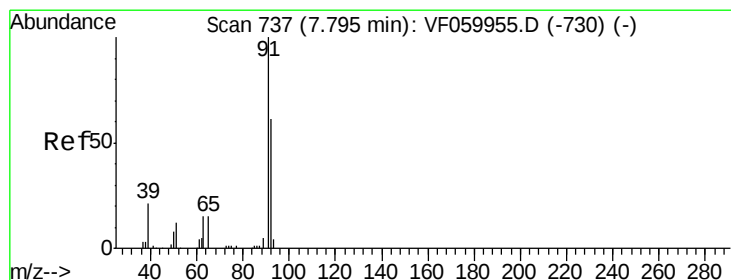
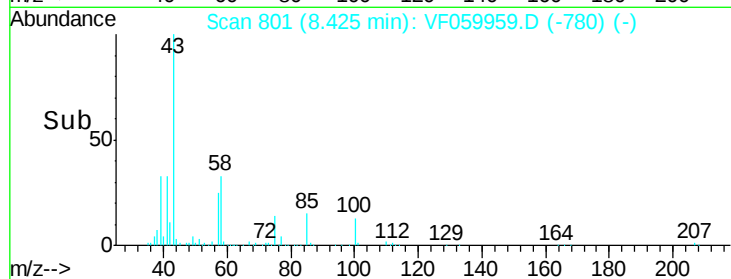
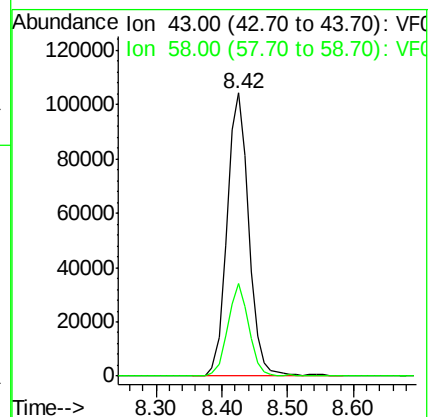
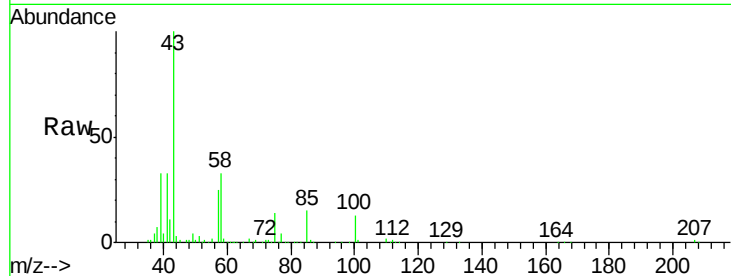
ICVVF081418

Tot Ion: 43 Resp: 242223

Ion Ratio Lower Upper

43 100

58 32.5 24.2 36.4



#52

Toluene

Concen: 47.11 ug/l

RT: 7.79 min Scan# 737

Delta R.T. -0.00 min

Lab File: VF059959.D

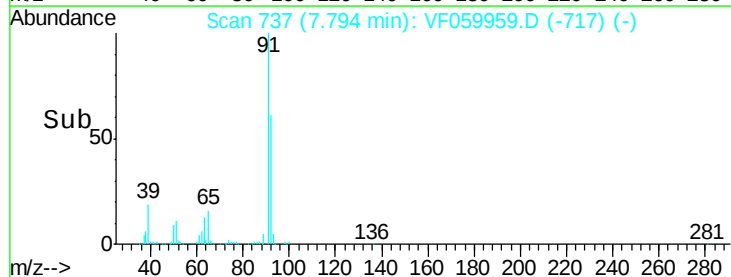
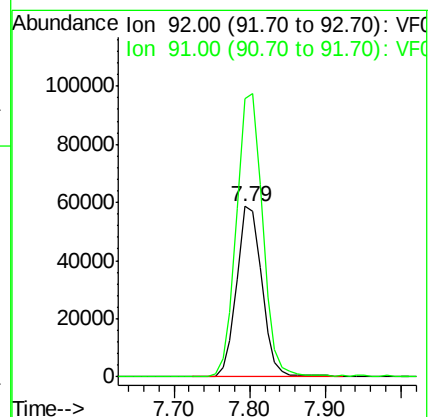
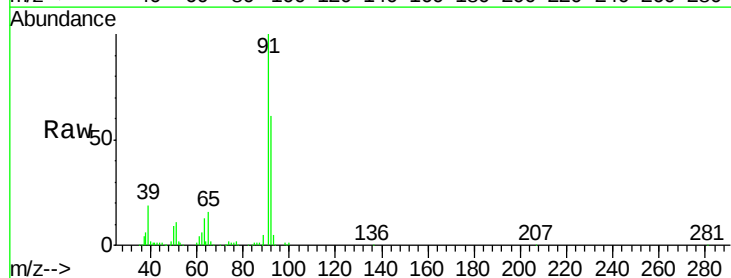
Acq: 14 Aug 2018 22:23

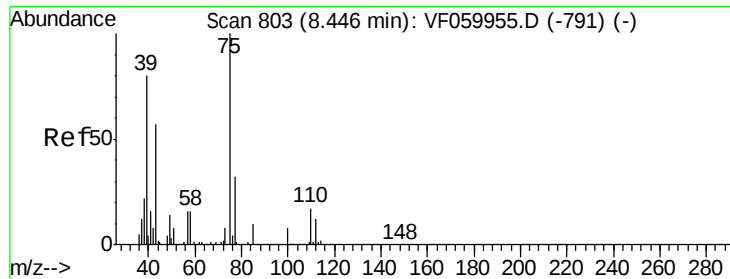
Tgt Ion: 92 Resp: 135630

Ion Ratio Lower Upper

92 100

91 163.0 131.2 196.8





#53

t-1,3-Dichloropropene

Concen: 44.60 ug/l

RT: 8.44 min Scan# 803

Delta R.T. -0.00 min

Lab File: VF059959.D

Acq: 14 Aug 2018 22:23

Instrument :

MSVOA_F

ClientSampleId :

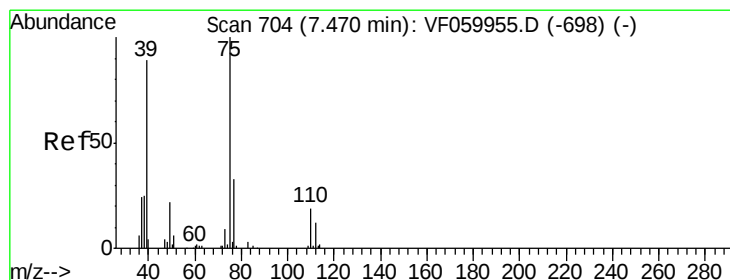
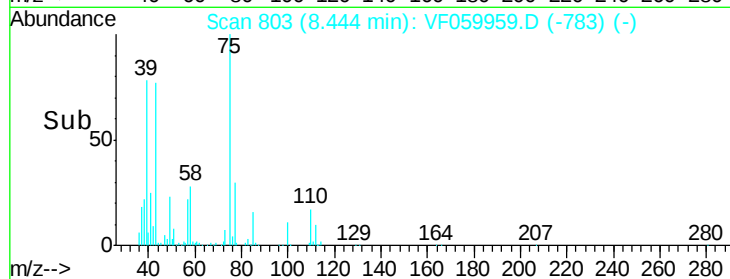
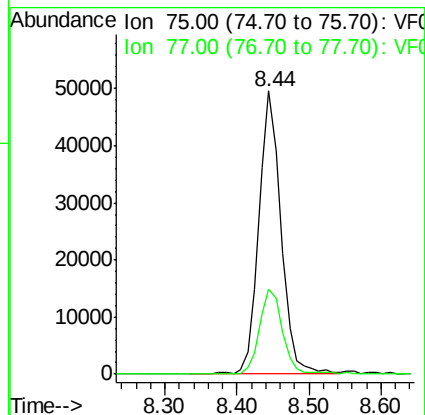
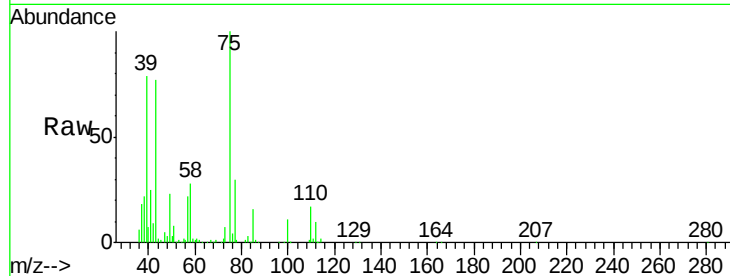
ICVVF081418

Tot Ion: 75 Resp: 106772

Ion Ratio Lower Upper

75 100

77 30.2 25.8 38.6



#54

cis-1,3-Dichloropropene

Concen: 49.31 ug/l

RT: 7.48 min Scan# 705

Delta R.T. 0.01 min

Lab File: VF059959.D

Acq: 14 Aug 2018 22:23

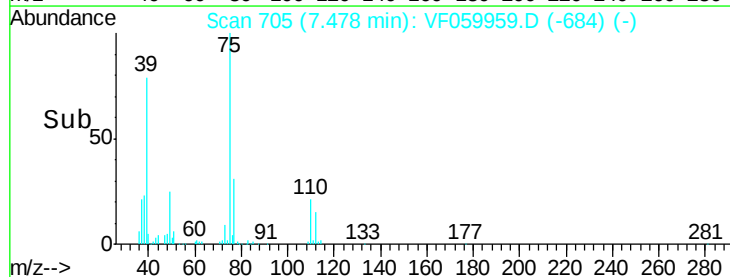
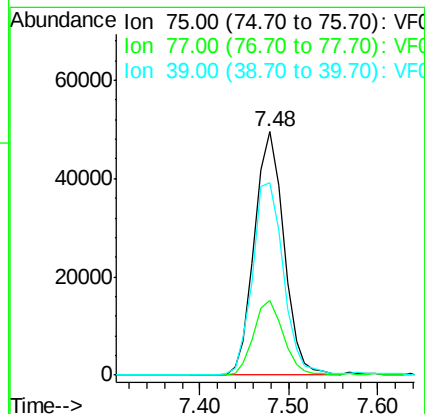
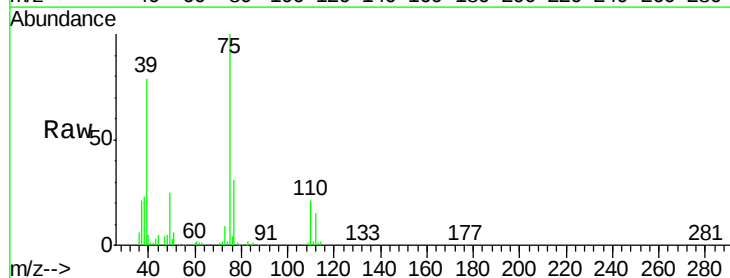
Tgt Ion: 75 Resp: 113608

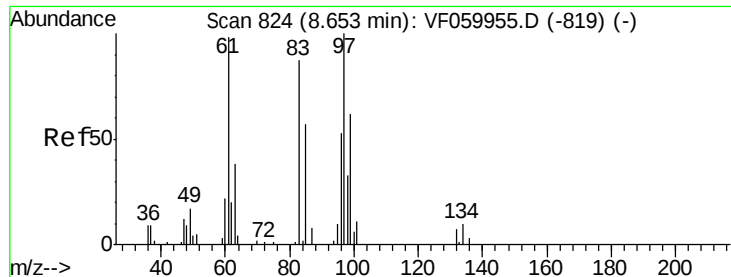
Ion Ratio Lower Upper

75 100

77 30.6 26.1 39.1

39 79.0 71.6 107.4





#55

1,1,2-Trichloroethane

Concen: 48.64 ug/l

RT: 8.65 min Scan# 824

Delta R.T. -0.00 min

Lab File: VF059959.D

Acq: 14 Aug 2018 22:23

Instrument :

MSVOA_F

ClientSampleId :

ICVVF081418

Tot Ion: 97 Resp: 47861

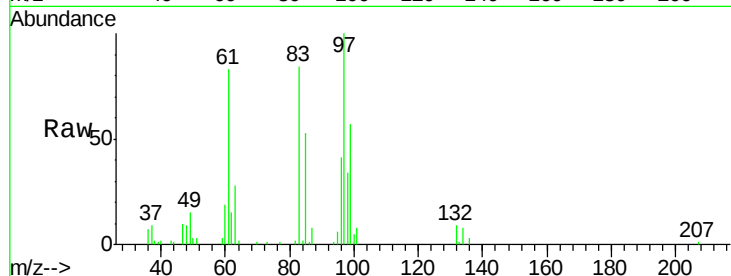
Ion Ratio Lower Upper

97 100

83 84.3 70.0 105.0

85 53.4 45.2 67.8

99 57.4 49.7 74.5



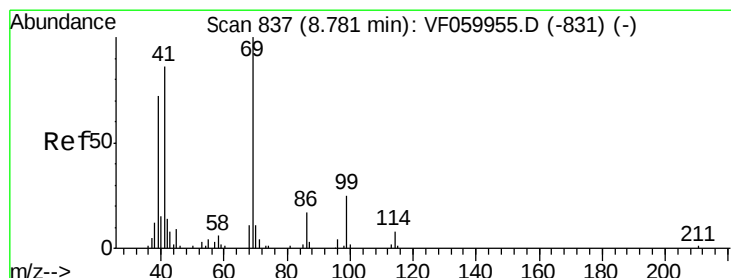
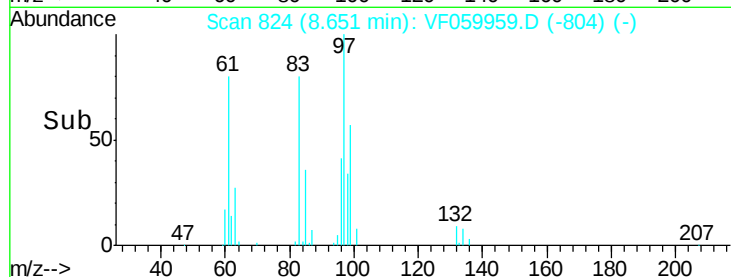
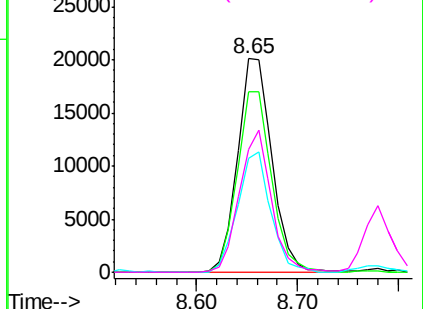
Abundance

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: 52.03 ug/l

RT: 8.78 min Scan# 837

Delta R.T. -0.00 min

Lab File: VF059959.D

Acq: 14 Aug 2018 22:23

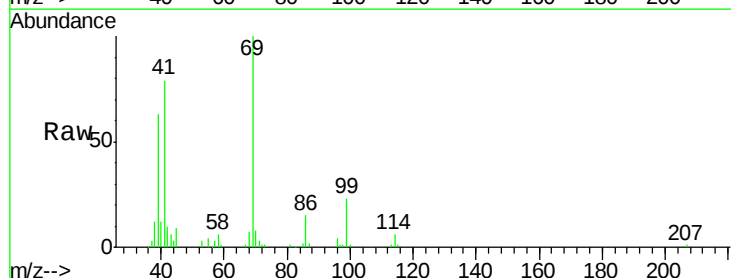
Tgt Ion: 69 Resp: 54992

Ion Ratio Lower Upper

69 100

41 78.9 68.7 103.1

39 62.7 58.5 87.7

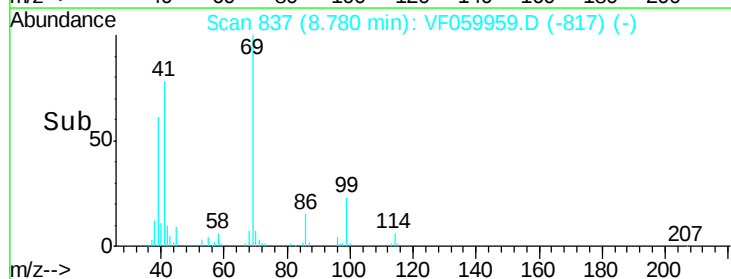
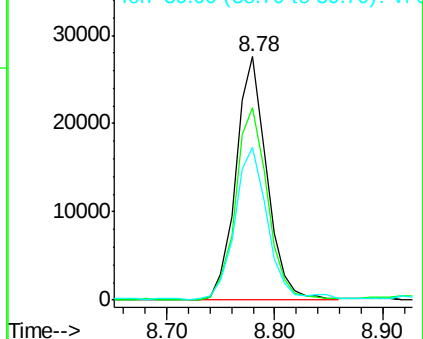


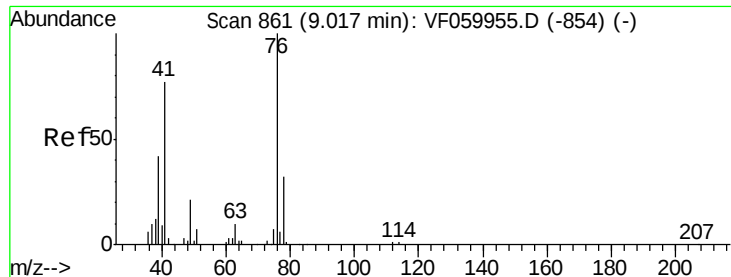
Abundance

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

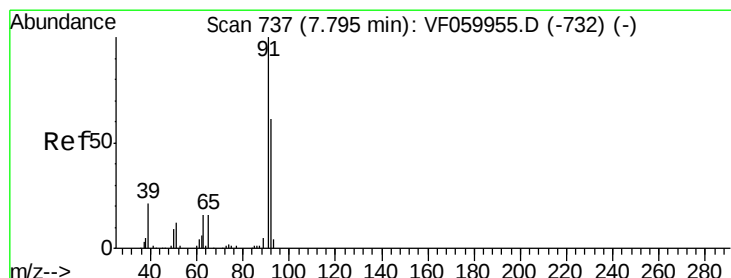
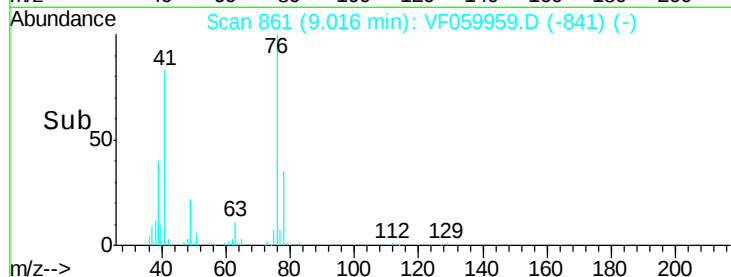
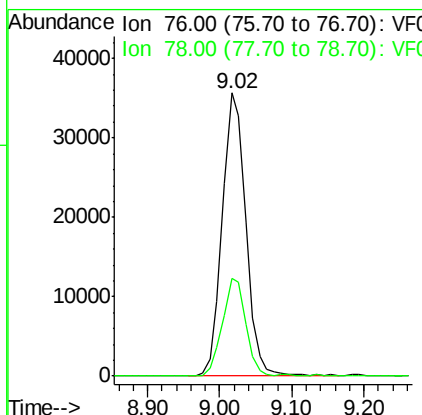
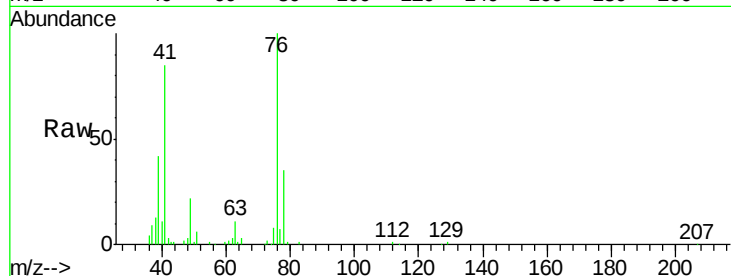




#57
 1,3-Dichloropropane
 Concen: 44.64 ug/l
 RT: 9.02 min Scan# 861
 Delta R.T. -0.00 min
 Lab File: VF059959.D
 Acq: 14 Aug 2018 22:23

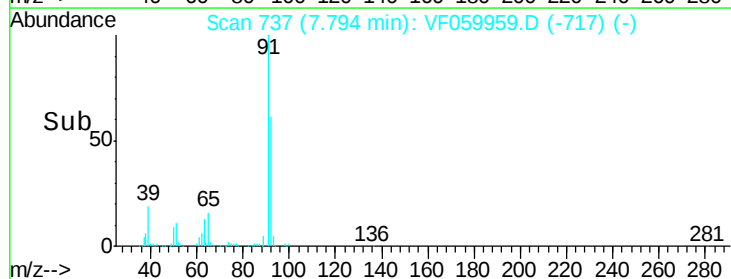
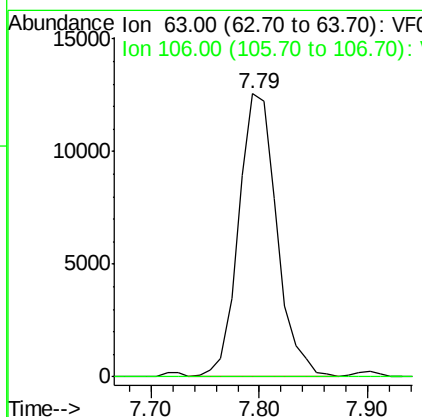
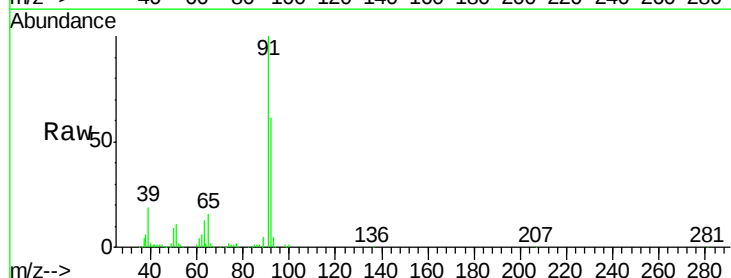
Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF081418

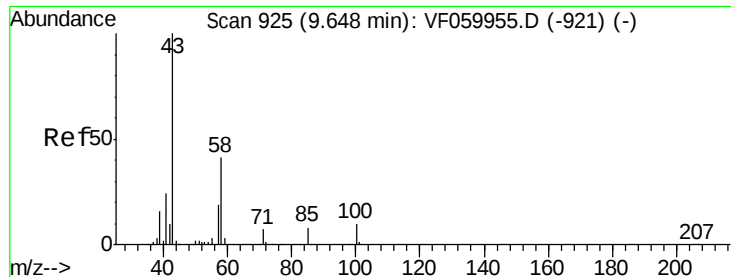
Tot Ion: 76 Resp: 80897
 Ion Ratio Lower Upper
 76 100
 78 34.5 25.5 38.3



#58
 2-Chloroethyl Vinyl ether
 Concen: 216.60 ug/l
 RT: 7.79 min Scan# 737
 Delta R.T. -0.00 min
 Lab File: VF059959.D
 Acq: 14 Aug 2018 22:23

Tgt Ion: 63 Resp: 30796
 Ion Ratio Lower Upper
 63 100
 106 0.0 0.0 0.0

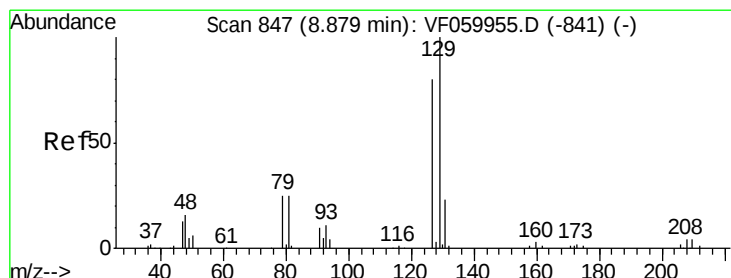
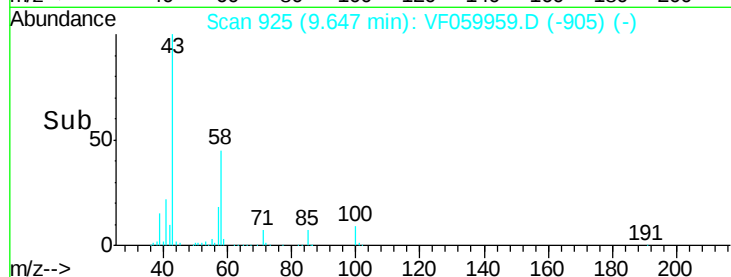
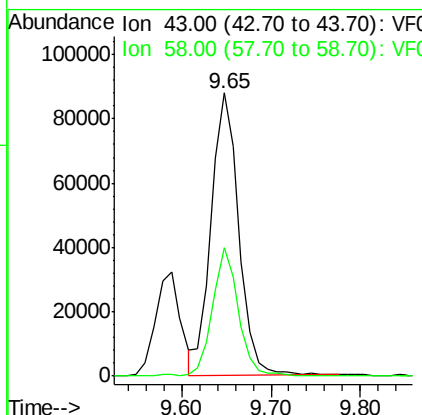
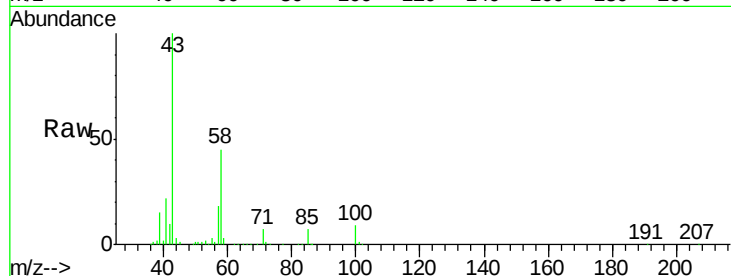




#59
2-Hexanone
Concen: 250.45 ug/l
RT: 9.65 min Scan# 925
Delta R.T. -0.00 min
Lab File: VF059959.D
Acq: 14 Aug 2018 22:23

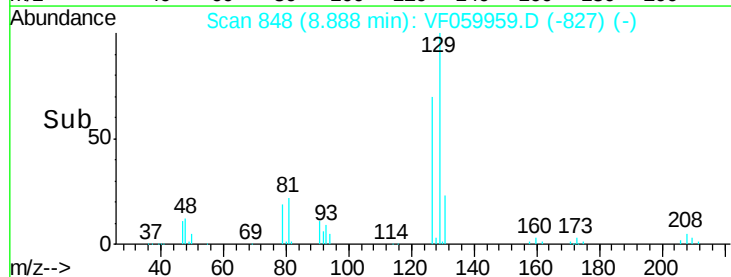
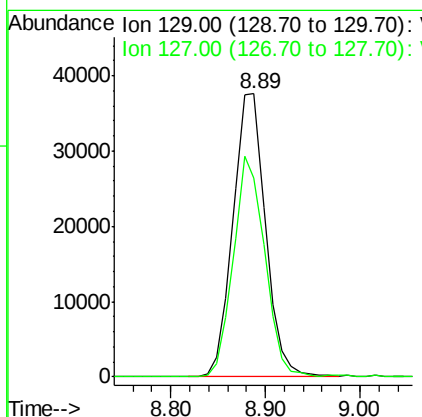
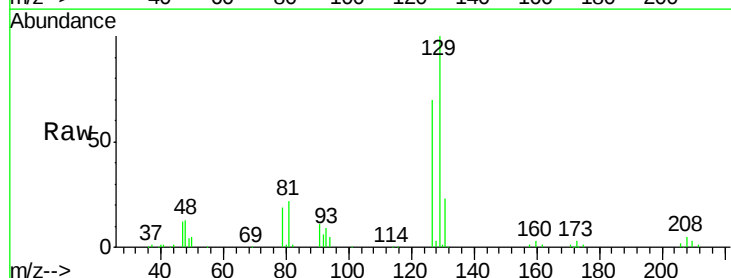
Instrument :
MSVOA_F
ClientSampleId :
ICVVF081418

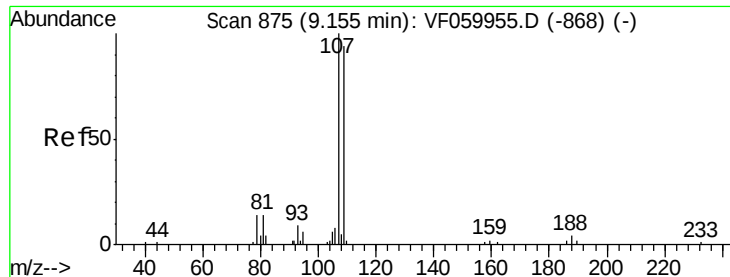
Tot Ion: 43 Resp: 189564
Ion Ratio Lower Upper
43 100
58 45.2 19.4 58.2



#60
Dibromochloromethane
Concen: 46.19 ug/l
RT: 8.89 min Scan# 848
Delta R.T. 0.01 min
Lab File: VF059959.D
Acq: 14 Aug 2018 22:23

Tgt Ion: 129 Resp: 89939
Ion Ratio Lower Upper
129 100
127 70.1 40.0 119.9

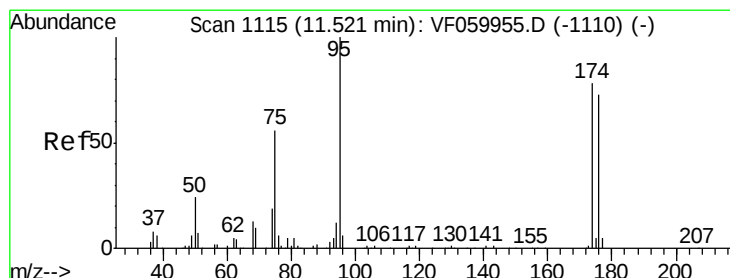
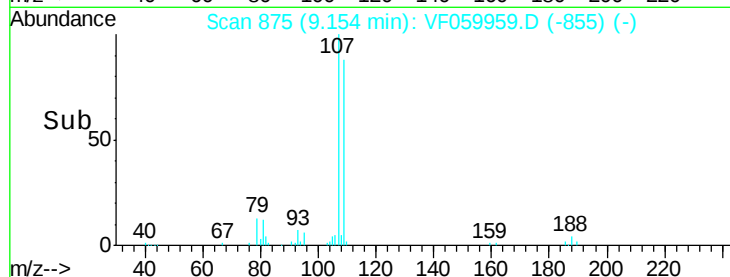
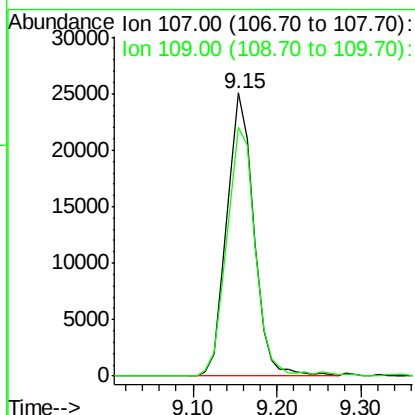
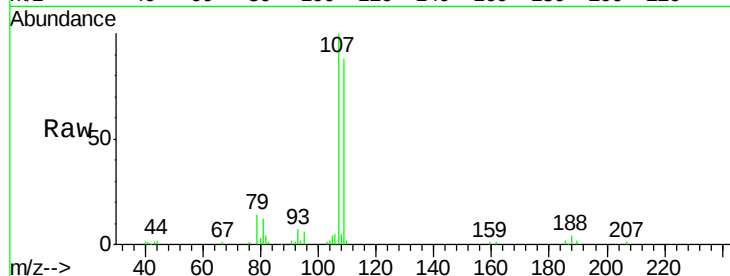




#61
 1,2-Dibromoethane
 Concen: 45.72 ug/l
 RT: 9.15 min Scan# 875
 Delta R.T. -0.00 min
 Lab File: VF059959.D
 Acq: 14 Aug 2018 22:23

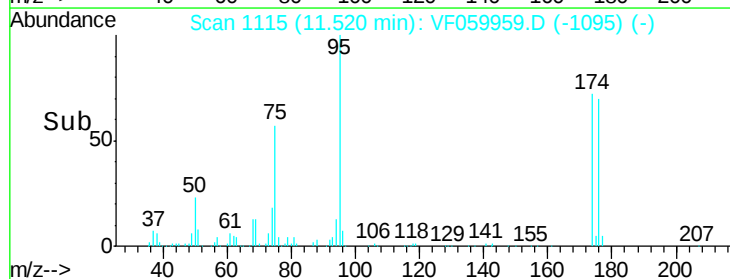
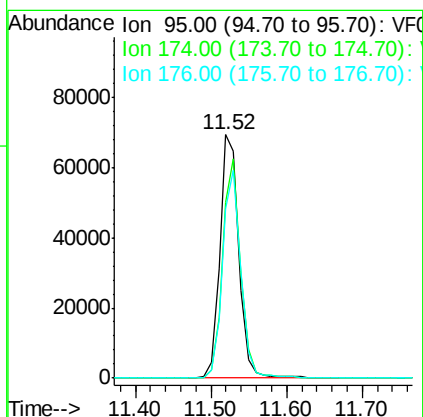
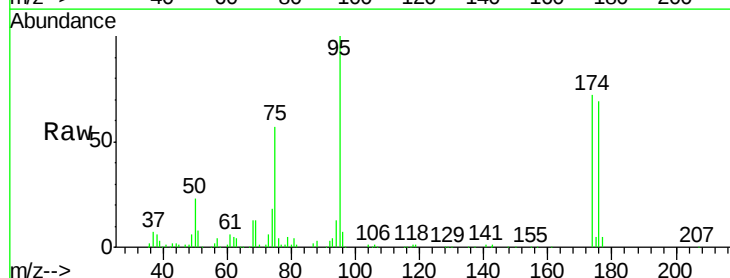
Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF081418

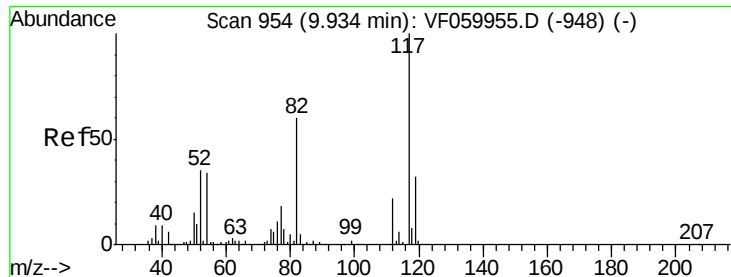
Tot Ion:107 Resp: 56113
 Ion Ratio Lower Upper
 107 100
 109 88.0 75.0 112.6



#62
 4-Bromofluorobenzene
 Concen: 48.56 ug/l
 RT: 11.52 min Scan# 1115
 Delta R.T. -0.00 min
 Lab File: VF059959.D
 Acq: 14 Aug 2018 22:23

Tgt Ion: 95 Resp: 121822
 Ion Ratio Lower Upper
 95 100
 174 72.4 0.0 156.4
 176 69.5 0.0 146.8

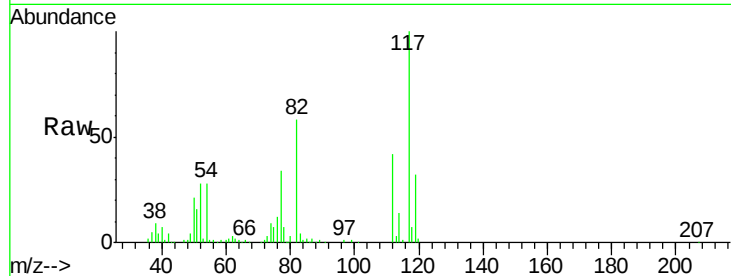




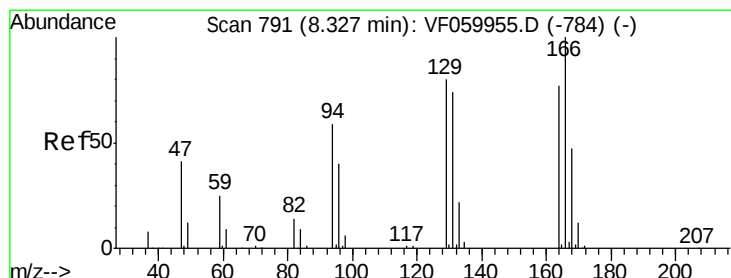
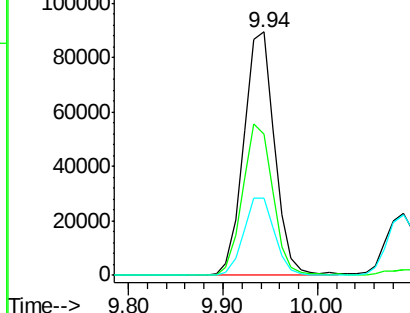
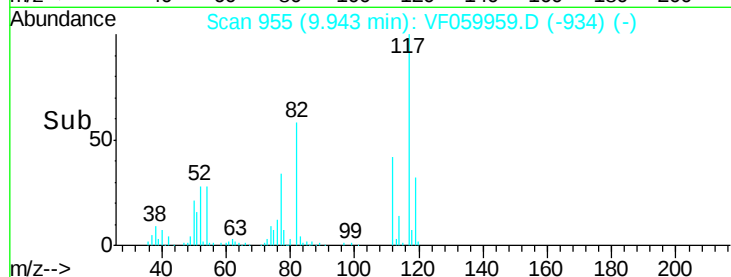
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.94 min Scan# 955
Delta R.T. 0.01 min
Lab File: VF059959.D
Acq: 14 Aug 2018 22:23

Instrument :
MSVOA_F
ClientSampleId :
ICVVF081418

Tot Ion:117 Resp: 202118
Ion Ratio Lower Upper
117 100
82 57.9 48.3 72.5
119 31.6 25.7 38.5

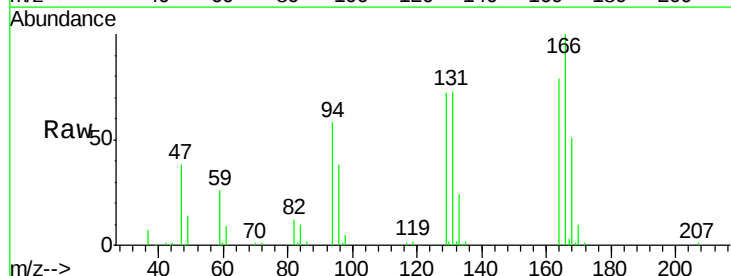


Abundance Ion 117.00 (116.70 to 117.70):
Ion 82.00 (81.70 to 82.70): VF
Ion 119.00 (118.70 to 119.70):

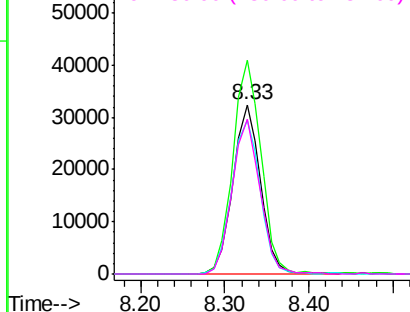
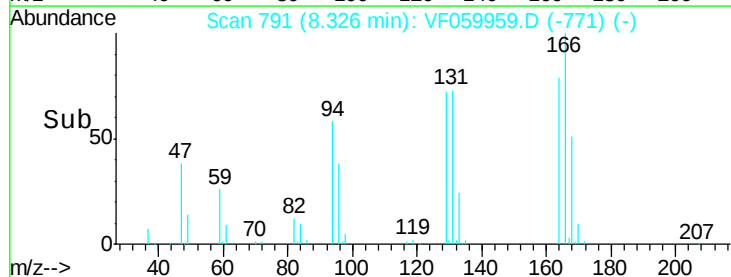


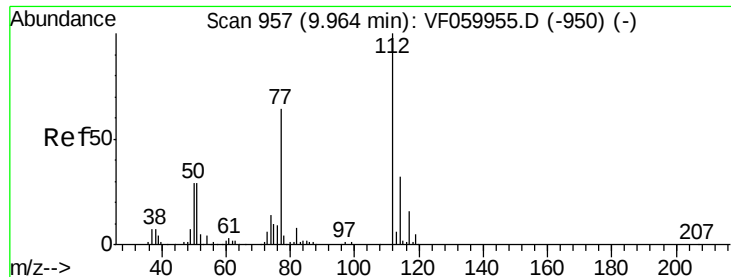
#64
Tetrachloroethene
Concen: 47.11 ug/l
RT: 8.33 min Scan# 791
Delta R.T. -0.00 min
Lab File: VF059959.D
Acq: 14 Aug 2018 22:23

Tgt Ion:164 Resp: 74141
Ion Ratio Lower Upper
164 100
166 126.1 103.4 155.2
129 91.1 82.2 123.4
131 91.7 76.7 115.1



Abundance Ion 163.85 (163.55 to 164.55):
Ion 165.80 (165.50 to 166.50):
Ion 128.90 (128.60 to 129.60):
Ion 130.90 (130.60 to 131.60):





#65

Chlorobenzene

Concen: 47.46 ug/l

RT: 9.96 min Scan# 957

Delta R.T. -0.00 min

Lab File: VF059959.D

Acq: 14 Aug 2018 22:23

Instrument :

MSVOA_F

ClientSampleId :

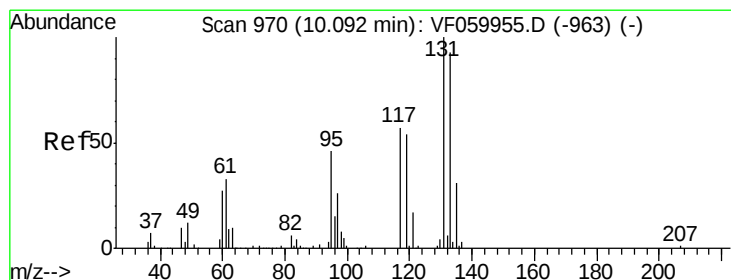
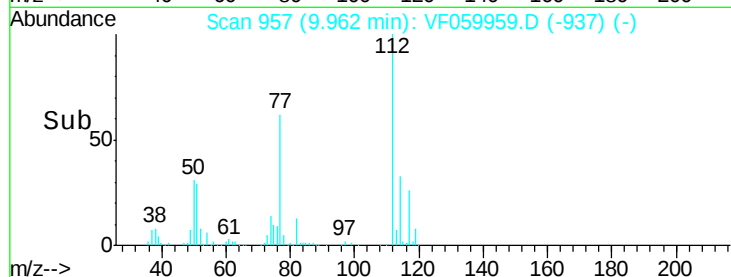
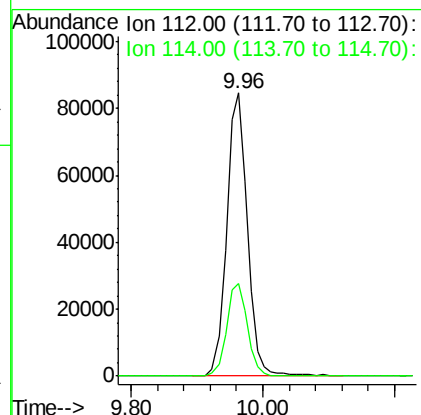
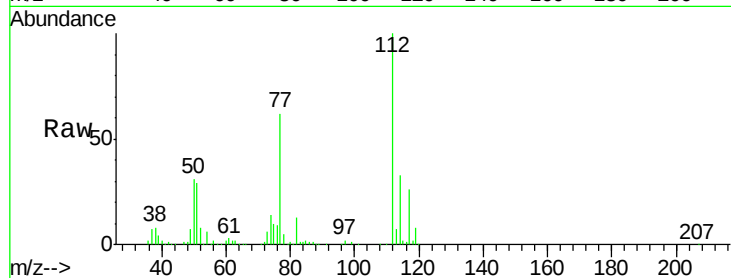
ICVVF081418

Tot Ion:112 Resp: 185297

Ion Ratio Lower Upper

112 100

114 32.5 25.8 38.6



#66

1,1,1,2-Tetrachloroethane

Concen: 45.22 ug/l

RT: 10.09 min Scan# 970

Delta R.T. -0.00 min

Lab File: VF059959.D

Acq: 14 Aug 2018 22:23

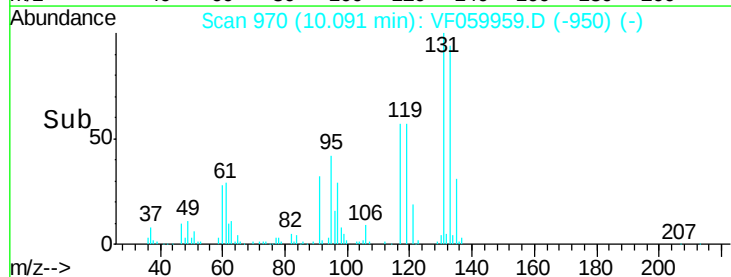
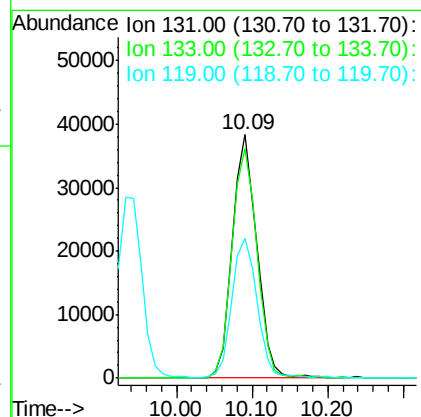
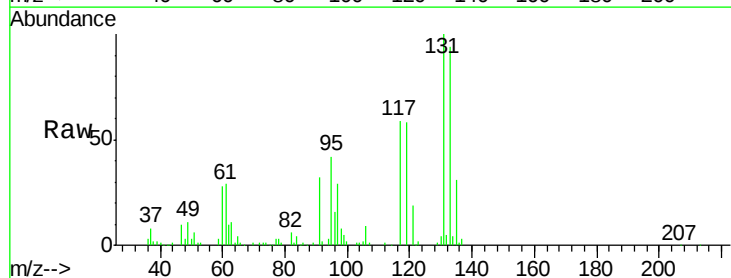
Tgt Ion:131 Resp: 85323

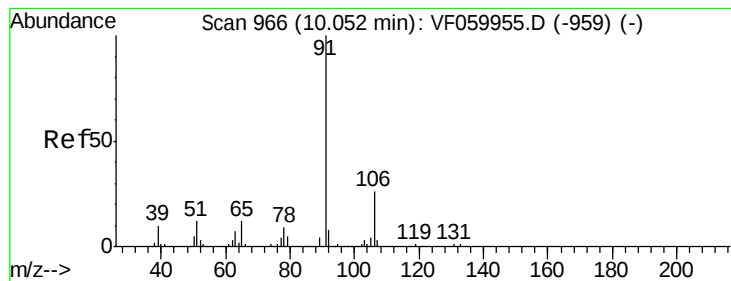
Ion Ratio Lower Upper

131 100

133 94.2 46.4 139.1

119 57.6 27.2 81.5





#67

Ethyl Benzene

Concen: 47.60 ug/l

RT: 10.06 min Scan# 967

Delta R.T. 0.01 min

Lab File: VF059959.D

Acq: 14 Aug 2018 22:23

Instrument :

MSVOA_F

ClientSampleId :

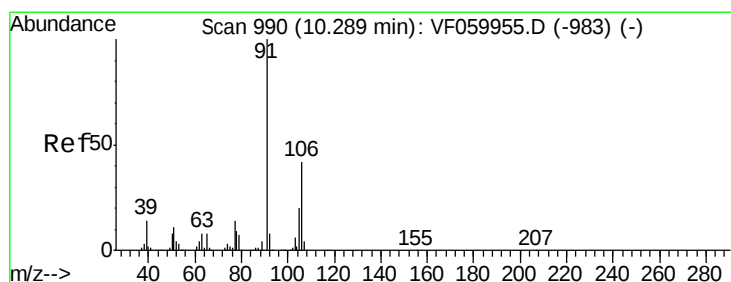
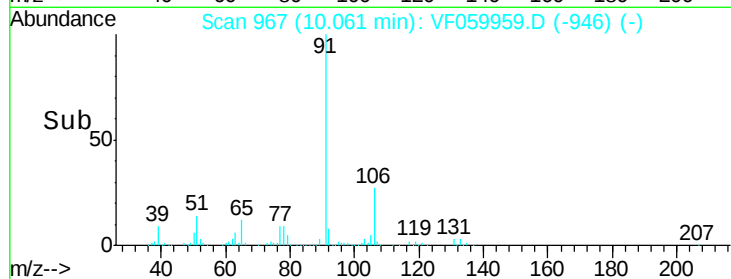
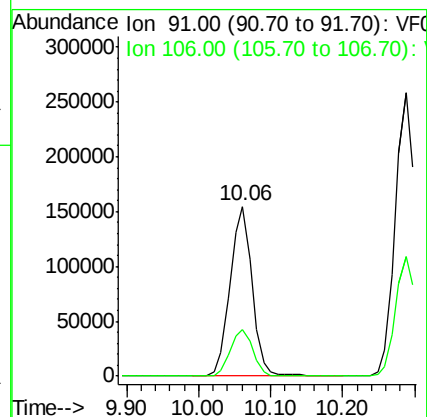
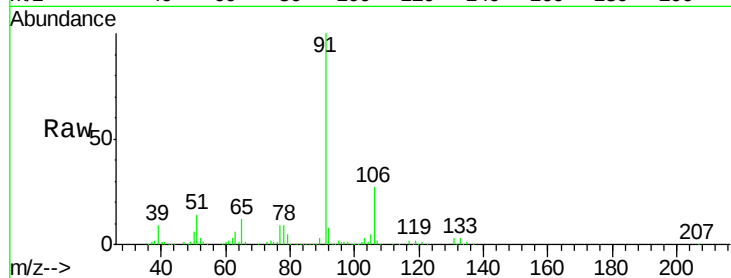
ICVVF081418

Tot Ion: 91 Resp: 328272

Ion Ratio Lower Upper

91 100

106 27.5 20.7 31.1



#68

m/p-Xylenes

Concen: 97.69 ug/l

RT: 10.29 min Scan# 990

Delta R.T. -0.00 min

Lab File: VF059959.D

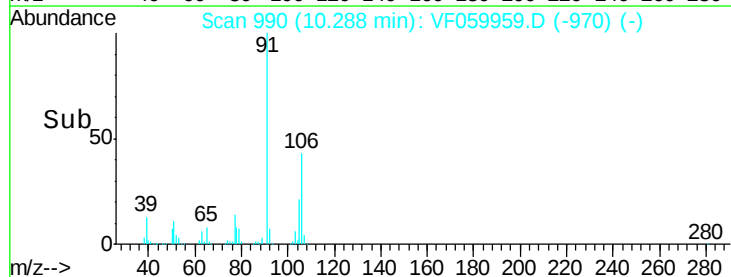
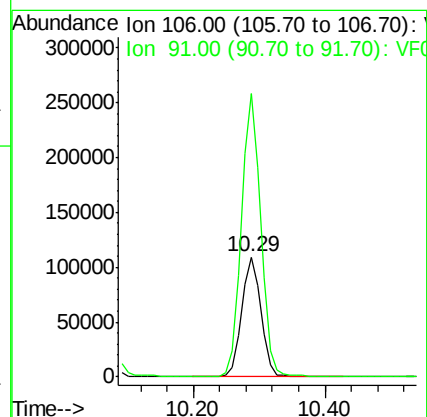
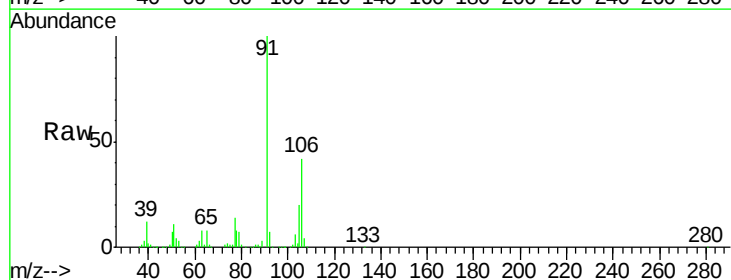
Acq: 14 Aug 2018 22:23

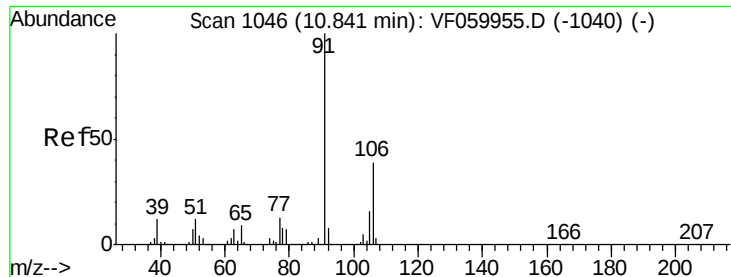
Tgt Ion: 106 Resp: 226546

Ion Ratio Lower Upper

106 100

91 235.8 191.8 287.8

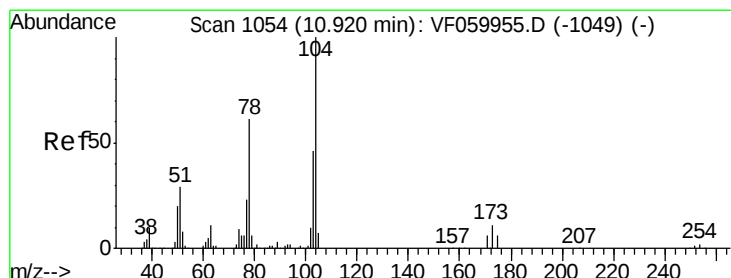
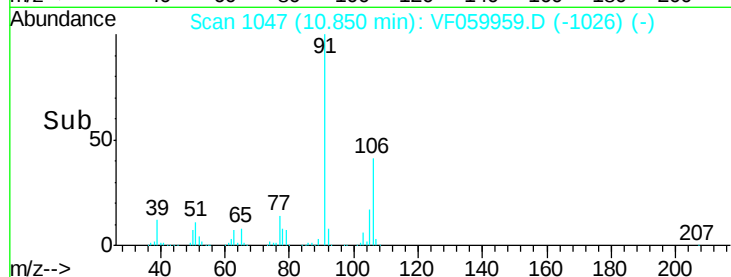
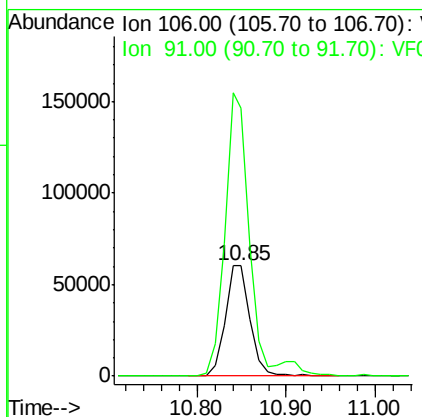
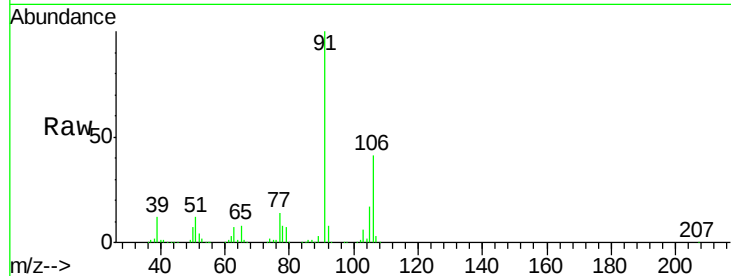




#69
o-Xylene
Concen: 46.96 ug/l
RT: 10.85 min Scan# 1047
Delta R.T. 0.01 min
Lab File: VF059959.D
Acq: 14 Aug 2018 22:23

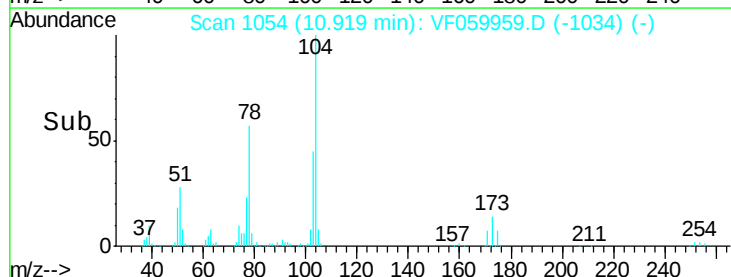
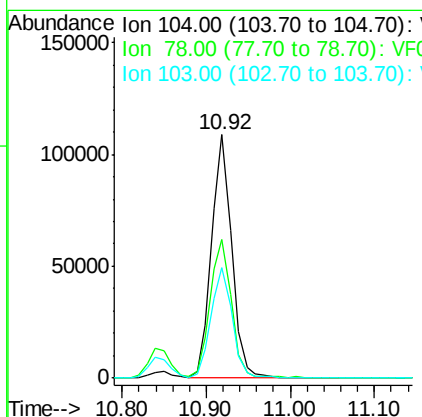
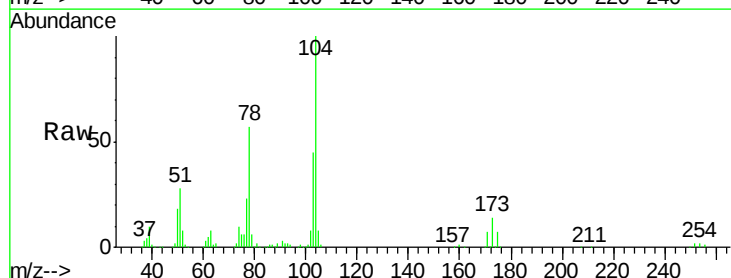
Instrument :
MSVOA_F
ClientSampleId :
ICVVF081418

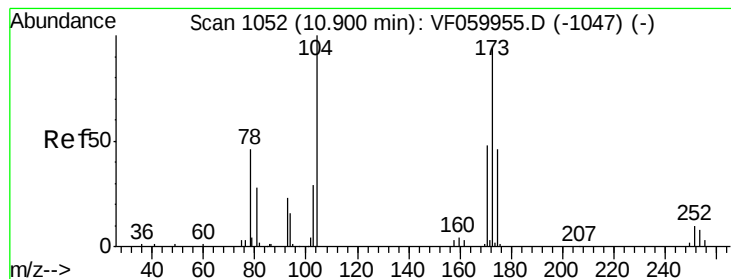
Tot Ion:106 Resp: 118273
Ion Ratio Lower Upper
106 100
91 242.6 126.8 380.6



#70
Styrene
Concen: 48.68 ug/l
RT: 10.92 min Scan# 1054
Delta R.T. -0.00 min
Lab File: VF059959.D
Acq: 14 Aug 2018 22:23

Tgt Ion:104 Resp: 181383
Ion Ratio Lower Upper
104 100
78 57.0 49.2 73.8
103 45.3 37.4 56.0





#71

Bromoform

Concen: 45.83 ug/l

RT: 10.91 min Scan# 1053

Delta R.T. 0.01 min

Lab File: VF059959.D

Acq: 14 Aug 2018 22:23

Instrument :

MSVOA_F

ClientSampleId :

ICVVF081418

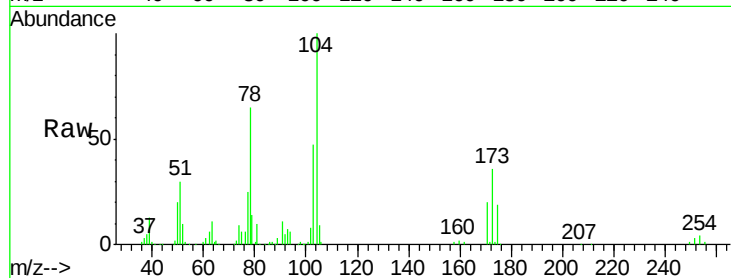
Tot Ion:173 Resp: 53761

Ion Ratio Lower Upper

173 100

175 52.4 24.6 73.6

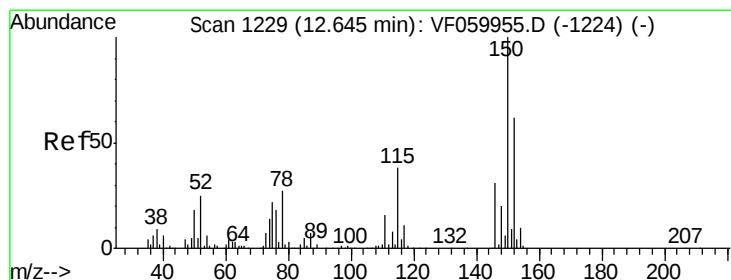
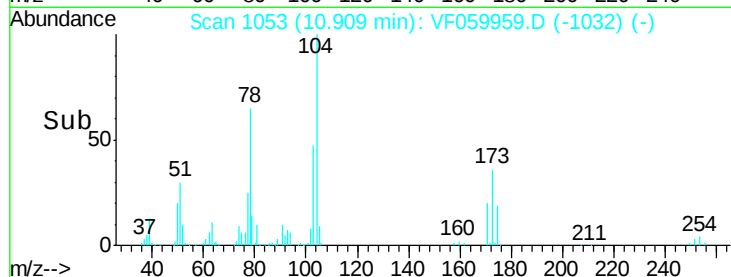
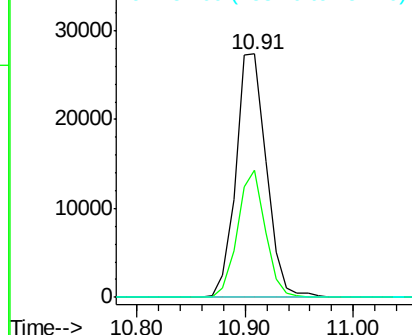
254 0.0 0.0 0.0



Abundance Ion 173.00 (172.70 to 173.70):

Ion 175.00 (174.70 to 175.70):

Ion 254.00 (253.70 to 254.70):



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.64 min Scan# 1229

Delta R.T. -0.00 min

Lab File: VF059959.D

Acq: 14 Aug 2018 22:23

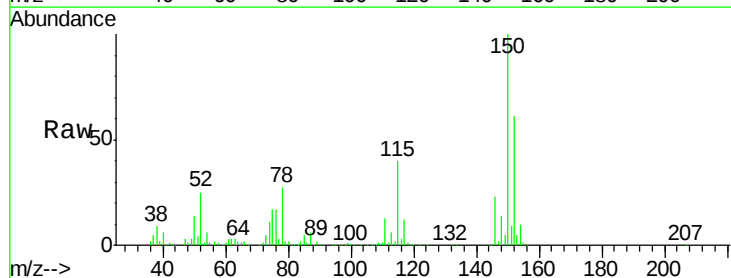
Tgt Ion:152 Resp: 121864

Ion Ratio Lower Upper

152 100

115 64.5 31.4 94.0

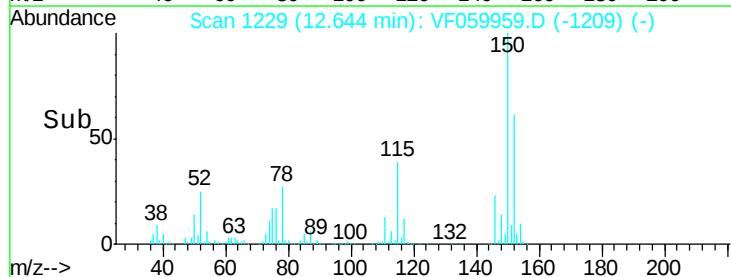
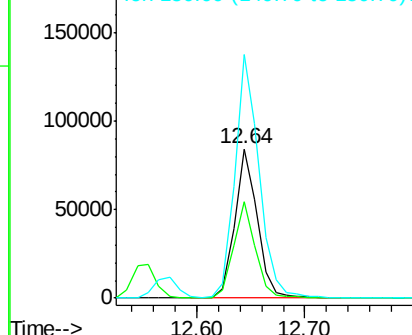
150 163.3 0.0 326.2

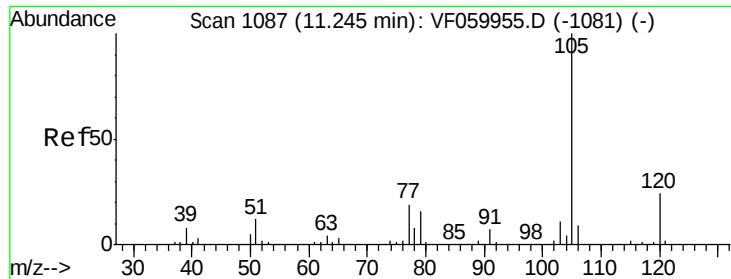


Abundance Ion 152.00 (151.70 to 152.70):

Ion 115.00 (114.70 to 115.70):

Ion 150.00 (149.70 to 150.70):





#73

Isopropylbenzene

Concen: 51.12 ug/l

RT: 11.24 min Scan# 1087

Delta R.T. -0.00 min

Lab File: VF059959.D

Acq: 14 Aug 2018 22:23

Instrument :

MSVOA_F

ClientSampleId :

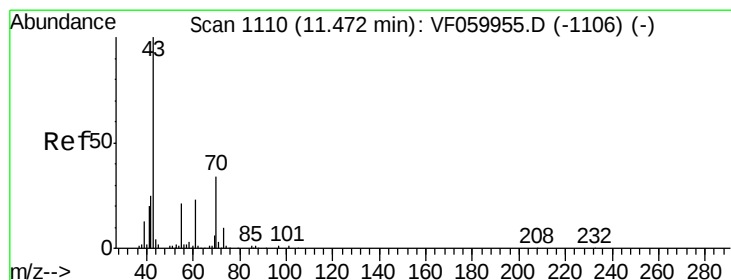
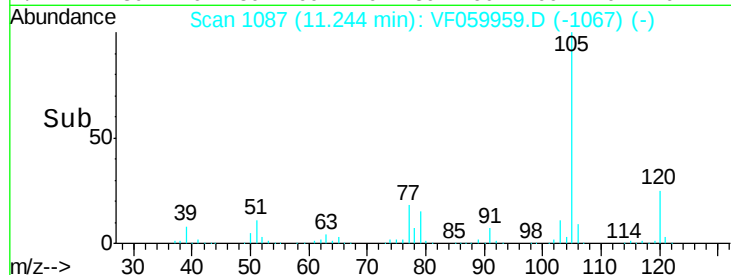
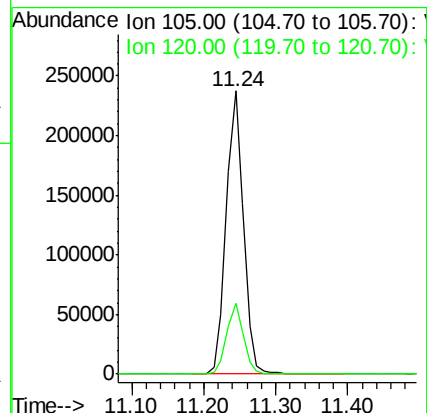
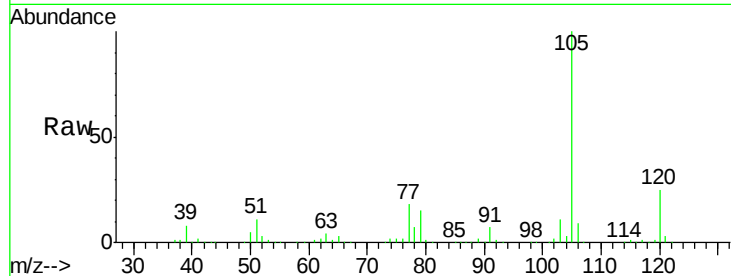
ICVVF081418

Tot Ion:105 Resp: 391819

Ion Ratio Lower Upper

105 100

120 25.0 11.9 35.9



#74

N-ethyl acetate

Concen: 54.43 ug/l

RT: 11.48 min Scan# 1111

Delta R.T. 0.01 min

Lab File: VF059959.D

Acq: 14 Aug 2018 22:23

Tgt Ion: 43 Resp: 91951

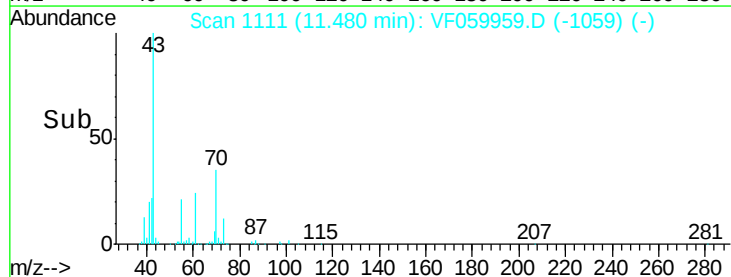
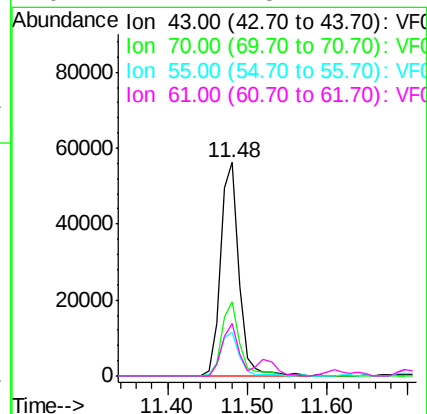
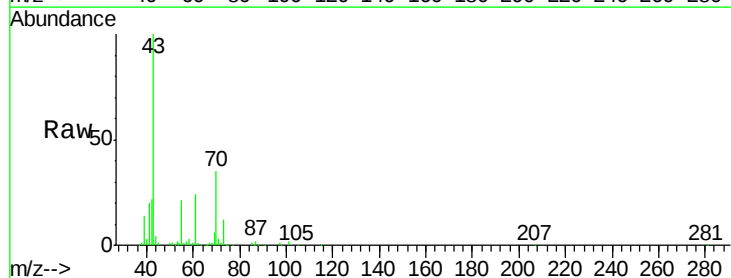
Ion Ratio Lower Upper

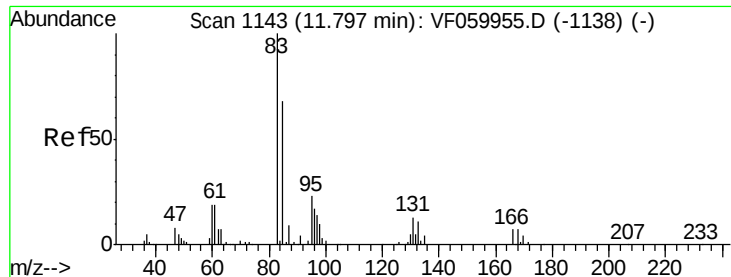
43 100

70 34.8 26.9 40.3

55 20.6 16.9 25.3

61 24.4 18.1 27.1





#75

1,1,2,2-Tetrachloroethane

Concen: 49.48 ug/l

RT: 11.80 min Scan# 1143

Delta R.T. -0.00 min

Lab File: VF059959.D

Acq: 14 Aug 2018 22:23

Instrument :

MSVOA_F

ClientSampleId :

ICVVF081418

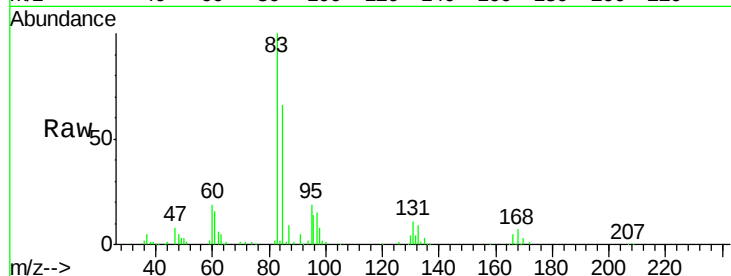
Tot Ion: 83 Resp: 63755

Ion Ratio Lower Upper

83 100

131 10.8 6.3 19.1

85 65.8 33.9 101.7

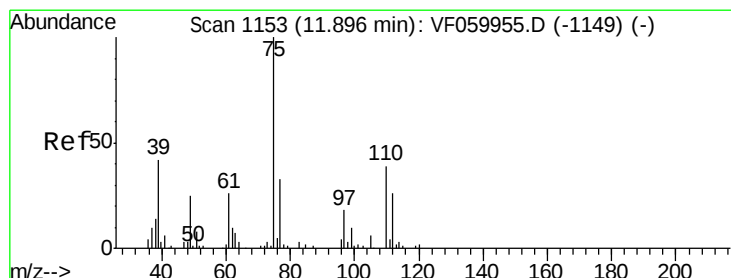
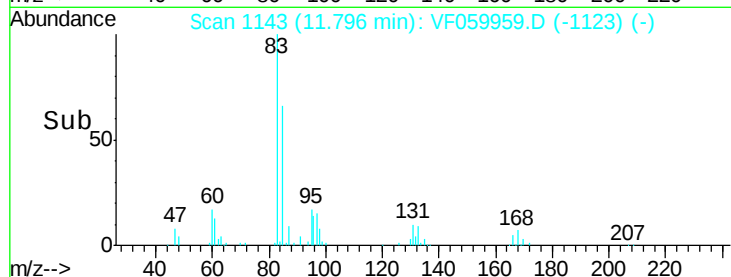


Abundance Ion 83.00 (82.70 to 83.70): VF059959.D (-1138) (-)

Ion 131.00 (130.70 to 131.70): VF059959.D (-1138) (-)

Ion 85.00 (84.70 to 85.70): VF059959.D (-1138) (-)

Time-->



#76

1,2,3-Trichloropropane

Concen: 49.66 ug/l

RT: 11.89 min Scan# 1153

Delta R.T. -0.00 min

Lab File: VF059959.D

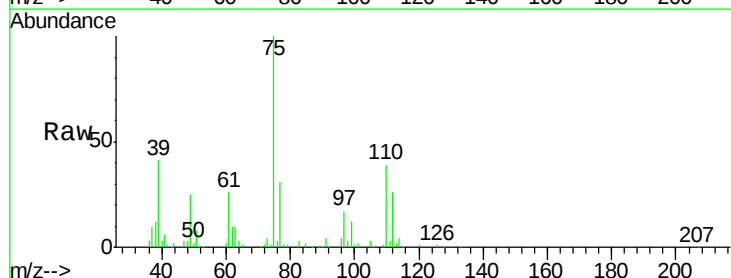
Acq: 14 Aug 2018 22:23

Tgt Ion: 75 Resp: 55166

Ion Ratio Lower Upper

75 100

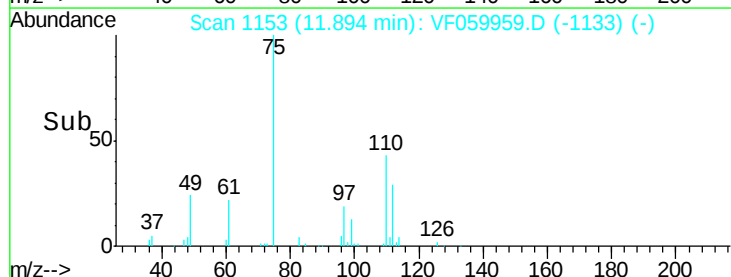
77 30.7 16.6 49.7

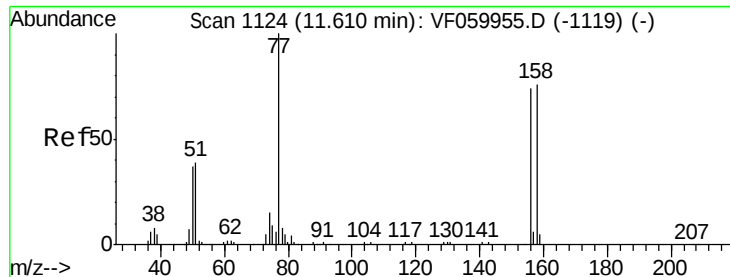


Abundance Ion 75.00 (74.70 to 75.70): VF059959.D (-1149) (-)

Ion 77.00 (76.70 to 77.70): VF059959.D (-1149) (-)

Time-->





#77

Bromobenzene

Concen: 49.67 ug/l

RT: 11.61 min Scan# 1124

Delta R.T. -0.00 min

Lab File: VF059959.D

Acq: 14 Aug 2018 22:23

Instrument :

MSVOA_F

ClientSampleId :

ICVVF081418

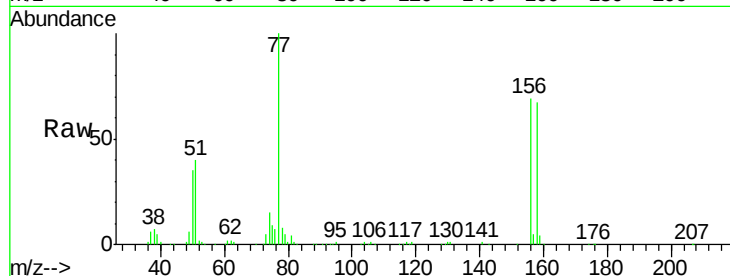
Tot Ion:156 Resp: 99893

Ion Ratio Lower Upper

156 100

77 144.5 67.8 203.2

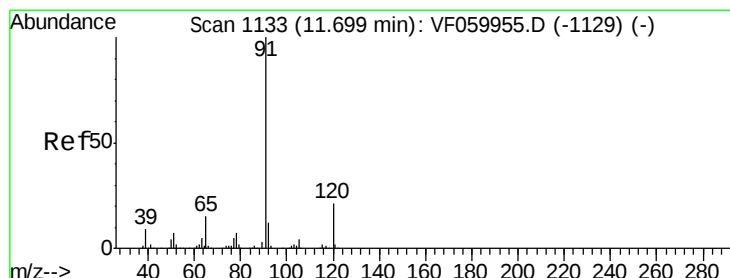
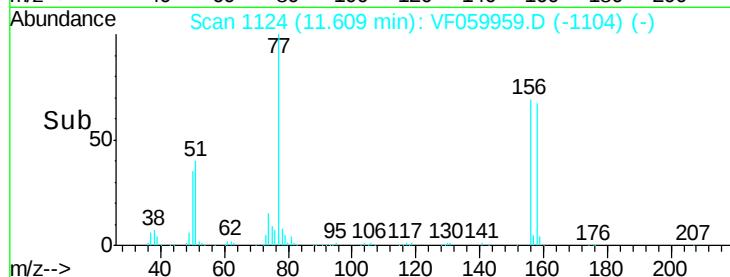
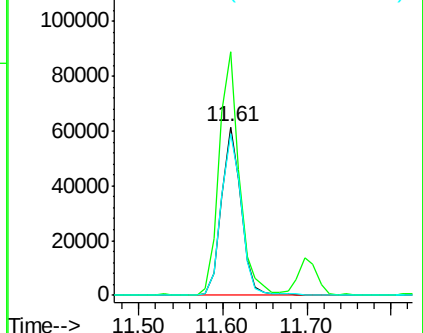
158 96.1 51.7 155.2



Abundance Ion 156.00 (155.70 to 156.70):

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70):



#78

n-propylbenzene

Concen: 48.64 ug/l

RT: 11.70 min Scan# 1133

Delta R.T. -0.00 min

Lab File: VF059959.D

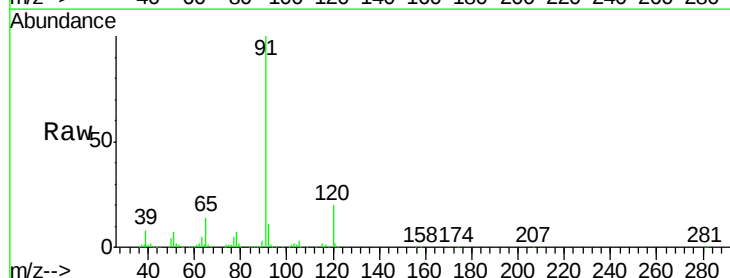
Acq: 14 Aug 2018 22:23

Tgt Ion: 91 Resp: 437407

Ion Ratio Lower Upper

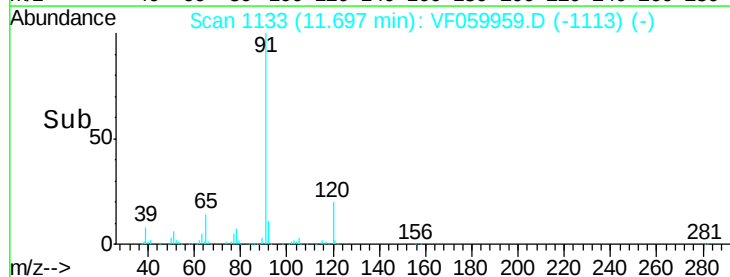
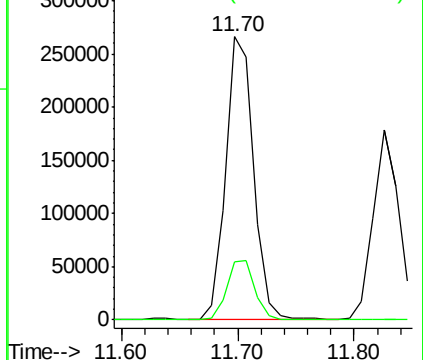
91 100

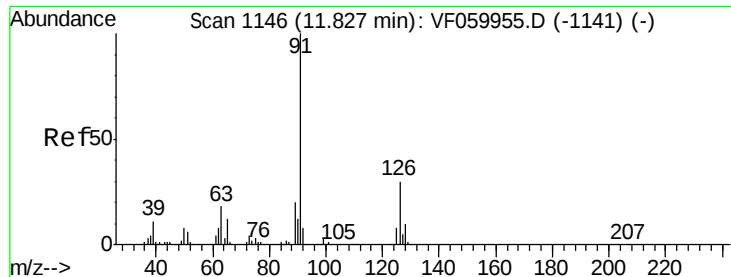
120 20.5 10.4 31.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70):

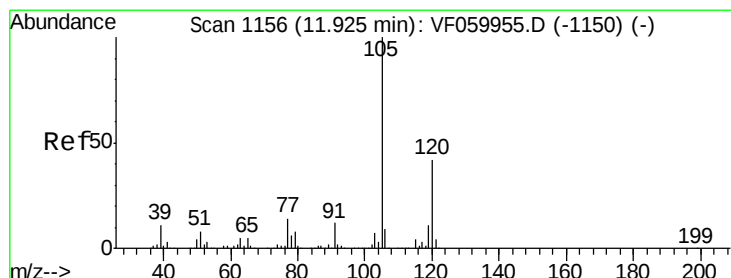
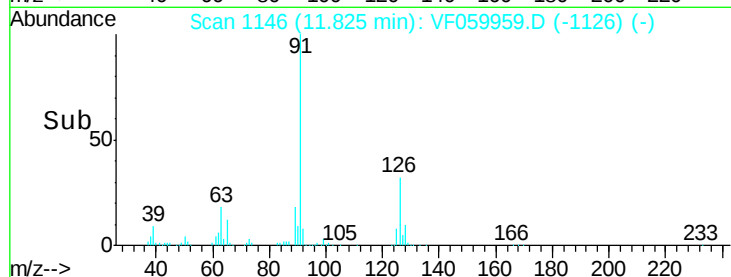
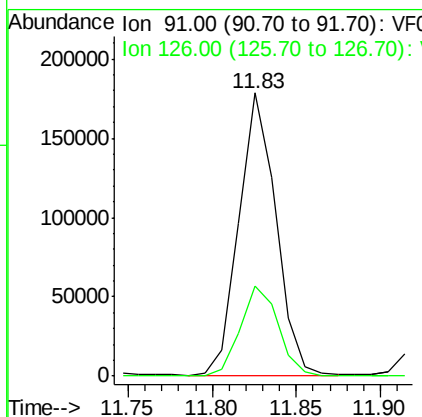
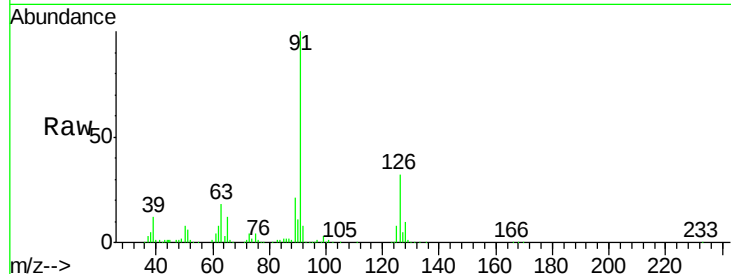




#79
 2-Chlorotoluene
 Concen: 48.20 ug/l
 RT: 11.83 min Scan# 1146
 Delta R.T. -0.00 min
 Lab File: VF059959.D
 Acq: 14 Aug 2018 22:23

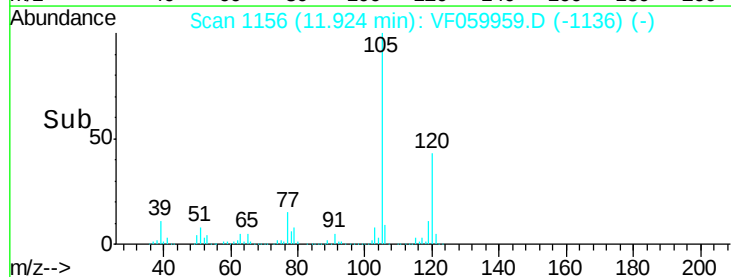
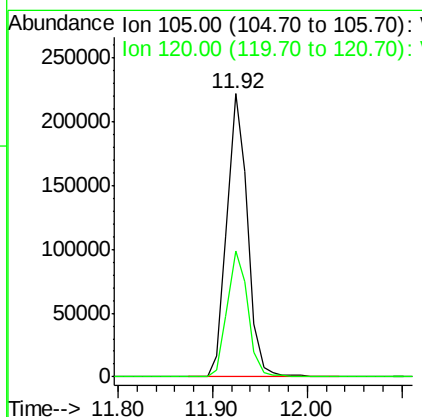
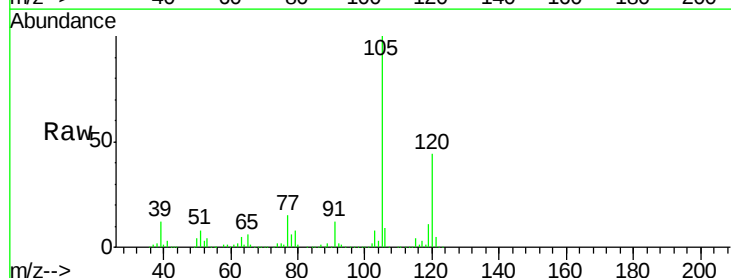
Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF081418

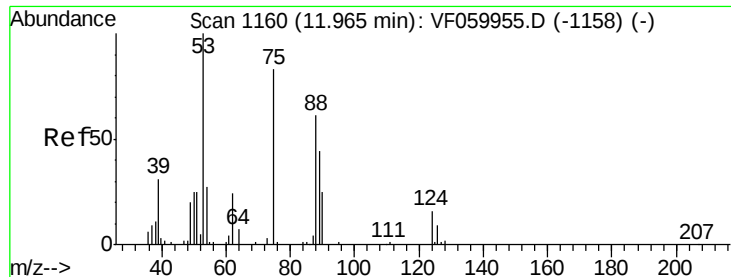
Tot Ion: 91 Resp: 271632
 Ion Ratio Lower Upper
 91 100
 126 31.8 15.2 45.5



#80
 1,3,5-Trimethylbenzene
 Concen: 46.93 ug/l
 RT: 11.92 min Scan# 1156
 Delta R.T. -0.00 min
 Lab File: VF059959.D
 Acq: 14 Aug 2018 22:23

Tgt Ion: 105 Resp: 334949
 Ion Ratio Lower Upper
 105 100
 120 44.3 21.1 63.3





#81

trans-1,4-Dichloro-2-butene

Concen: 71.81 ug/l

RT: 11.97 min Scan# 1161

Delta R.T. 0.01 min

Lab File: VF059959.D

Acq: 14 Aug 2018 22:23

Instrument :

MSVOA_F

ClientSampleId :

ICVVF081418

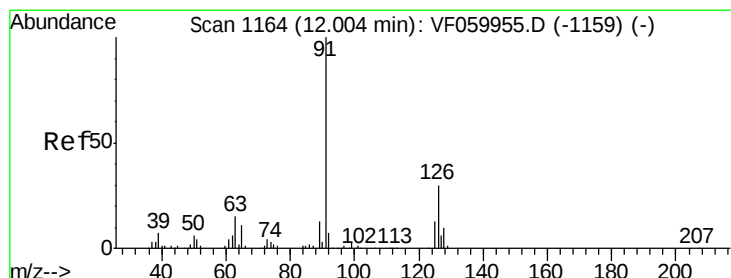
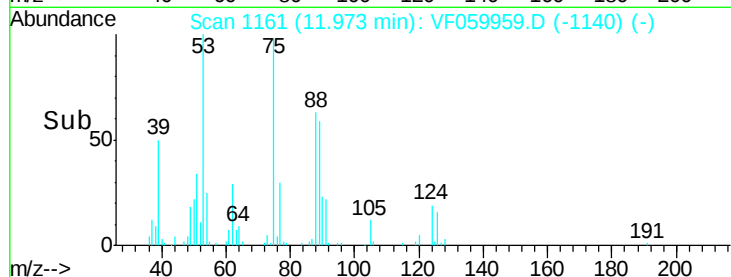
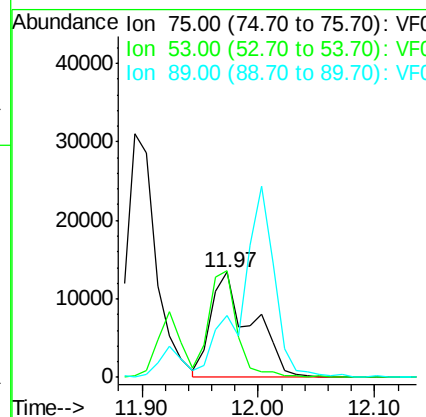
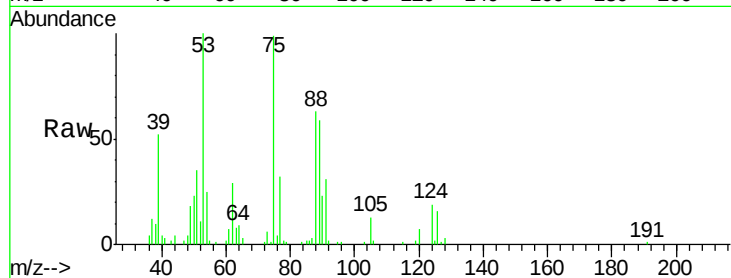
Tot Ion: 75 Resp: 32598

Ion Ratio Lower Upper

75 100

53 101.2 97.1 145.7

89 59.3 43.6 65.4



#82

4-Chlorotoluene

Concen: 46.32 ug/l

RT: 12.00 min Scan# 1164

Delta R.T. -0.00 min

Lab File: VF059959.D

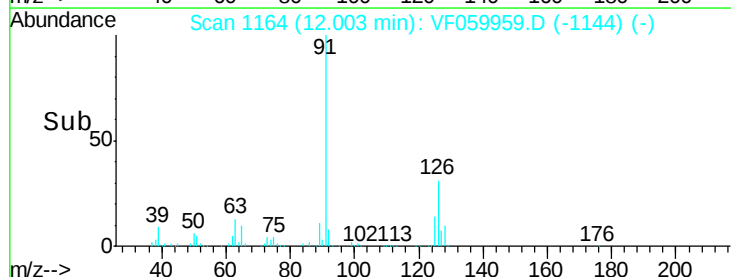
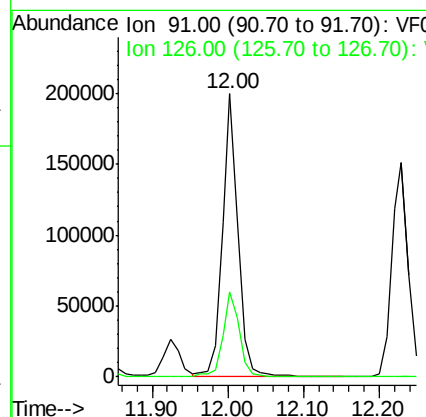
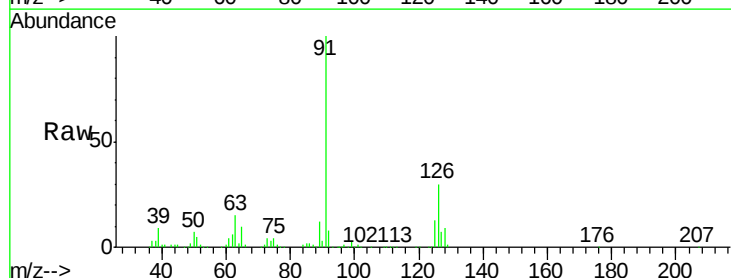
Acq: 14 Aug 2018 22:23

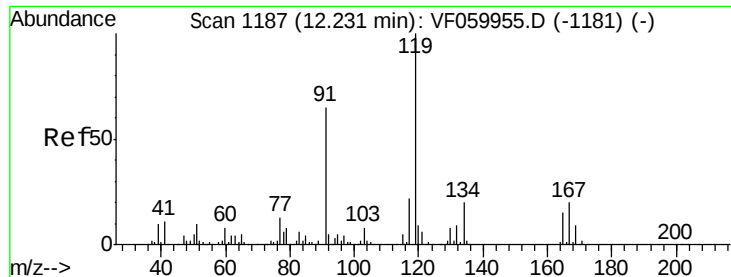
Tgt Ion: 91 Resp: 288001

Ion Ratio Lower Upper

91 100

126 30.1 15.3 45.8

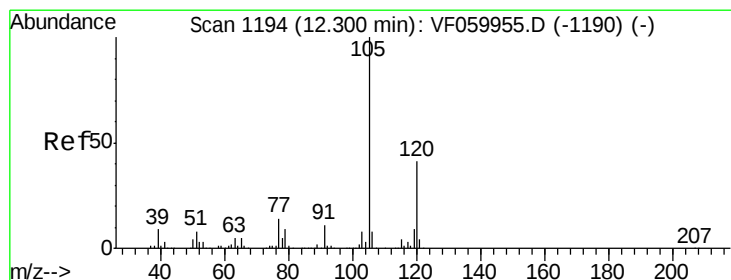
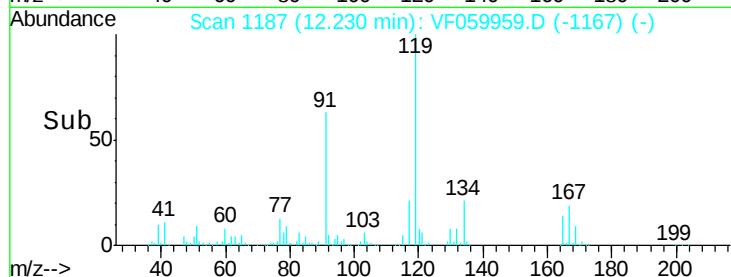
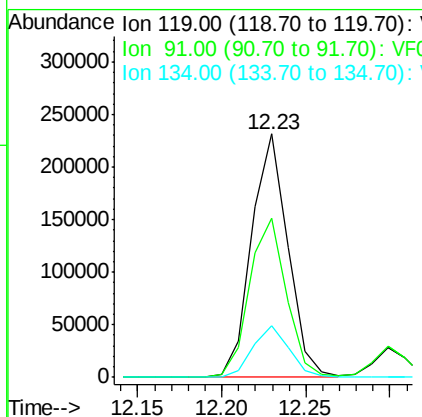
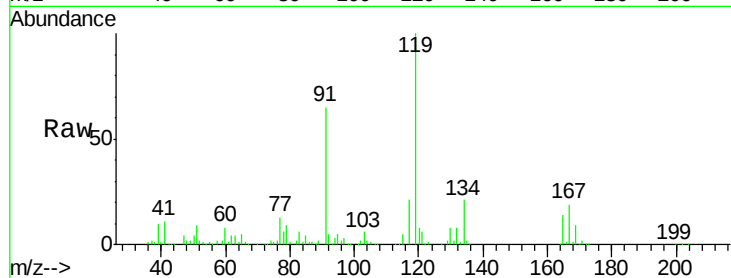




#83
 tert-Butylbenzene
 Concen: 49.20 ug/l
 RT: 12.23 min Scan# 1187
 Delta R.T. -0.00 min
 Lab File: VF059959.D
 Acq: 14 Aug 2018 22:23

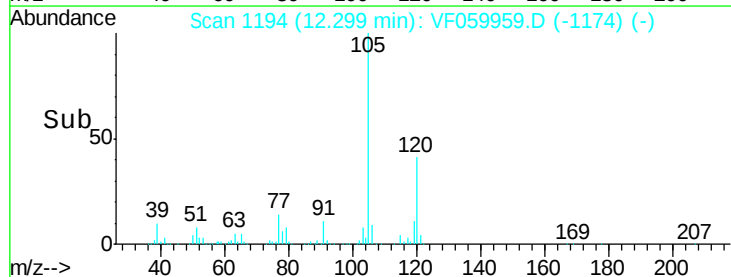
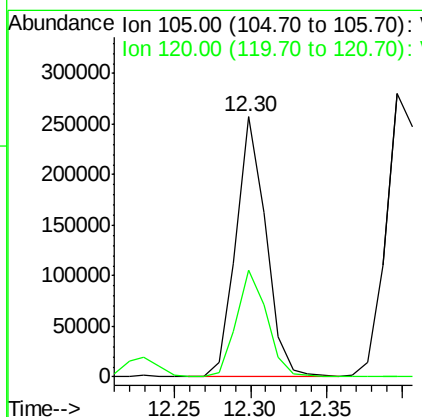
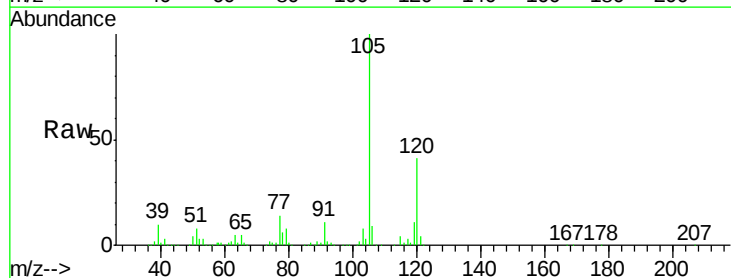
Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF081418

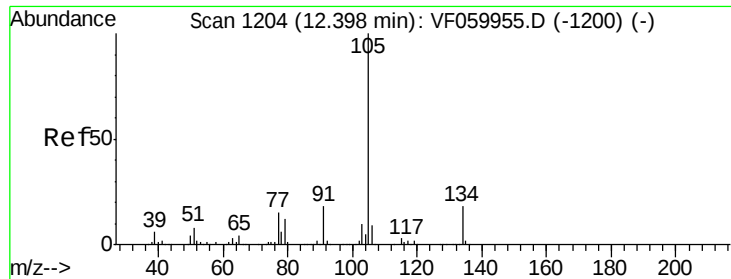
Tot Ion	Ratio	Lower	Upper
119	100		
91	65.1	32.6	98.0
134	21.4	10.1	30.3



#84
 1,2,4-Trimethylbenzene
 Concen: 49.07 ug/l
 RT: 12.30 min Scan# 1194
 Delta R.T. -0.00 min
 Lab File: VF059959.D
 Acq: 14 Aug 2018 22:23

Tgt Ion	Ratio	Lower	Upper
105	100		
120	40.9	20.6	61.9

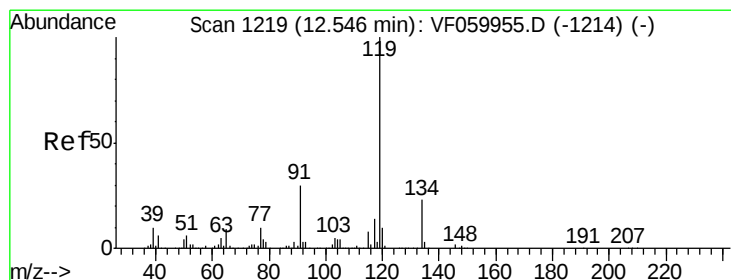
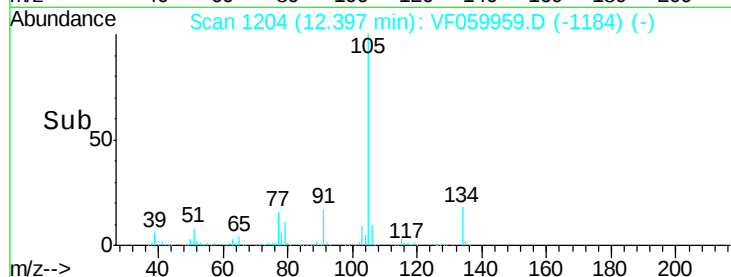
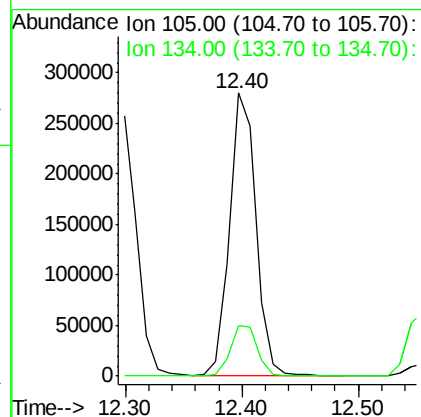
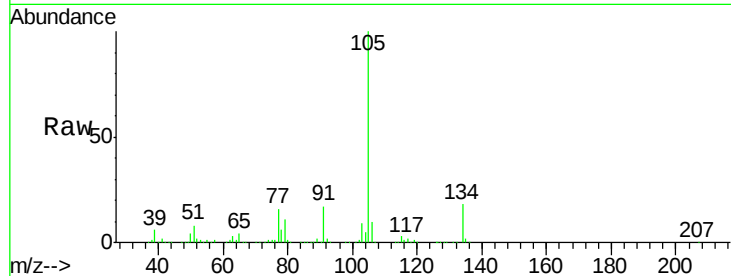




#85
 sec-Butylbenzene
 Concen: 49.03 ug/l
 RT: 12.40 min Scan# 1204
 Delta R.T. -0.00 min
 Lab File: VF059959.D
 Acq: 14 Aug 2018 22:23

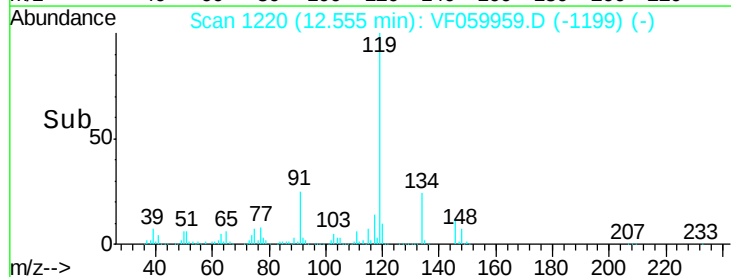
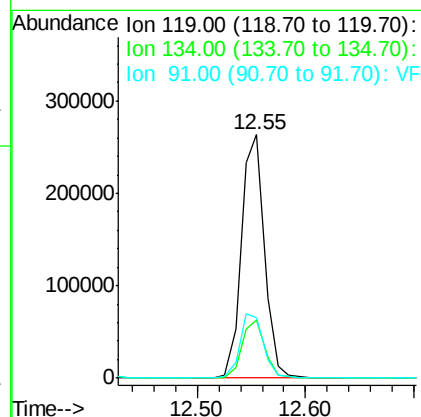
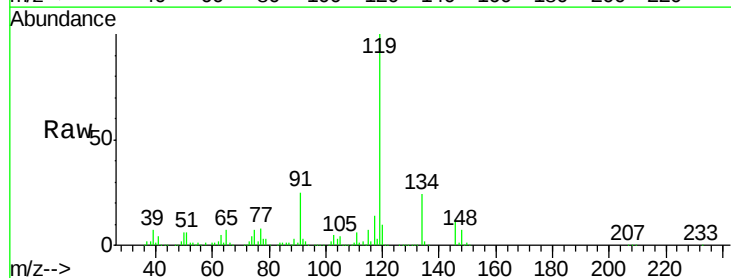
Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF081418

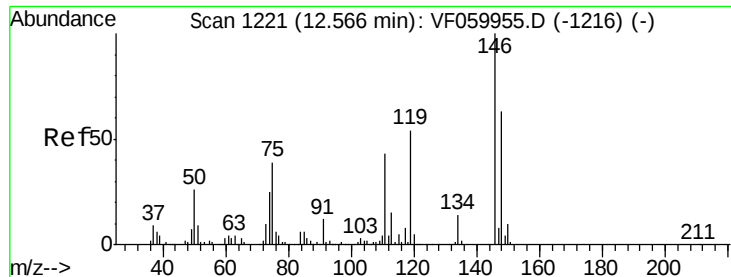
Tot Ion:105 Resp: 439181
 Ion Ratio Lower Upper
 105 100
 134 17.9 8.9 26.7



#86
 p-Isopropyltoluene
 Concen: 49.54 ug/l
 RT: 12.55 min Scan# 1220
 Delta R.T. 0.01 min
 Lab File: VF059959.D
 Acq: 14 Aug 2018 22:23

Tgt Ion:119 Resp: 390946
 Ion Ratio Lower Upper
 119 100
 134 23.8 11.4 34.2
 91 25.1 14.8 44.4

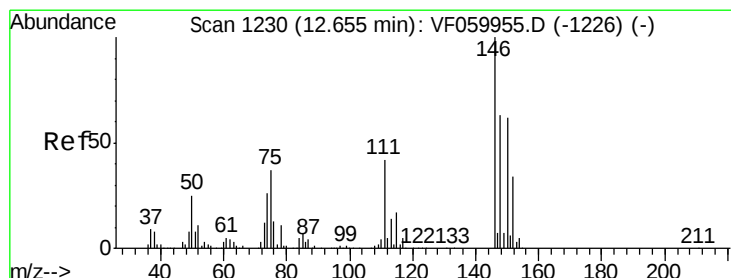
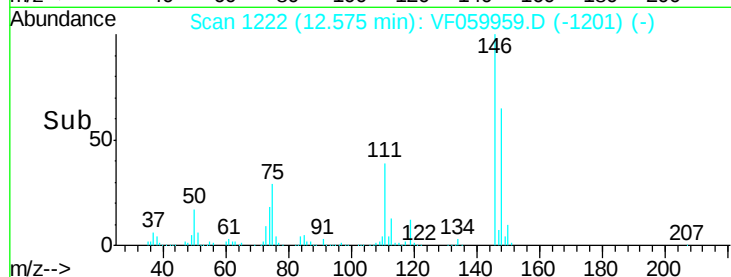
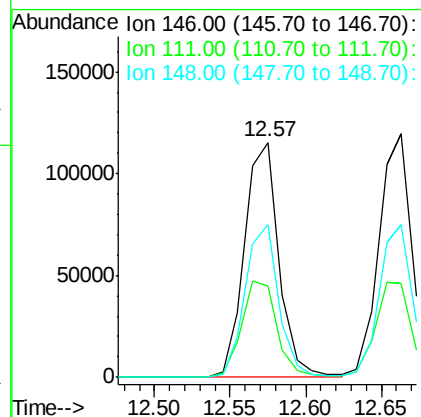
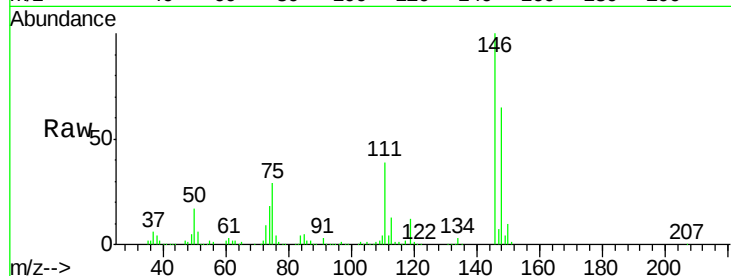




#87
 1,3-Dichlorobenzene
 Concen: 47.84 ug/l
 RT: 12.57 min Scan# 1222
 Delta R.T. 0.01 min
 Lab File: VF059959.D
 Acq: 14 Aug 2018 22:23

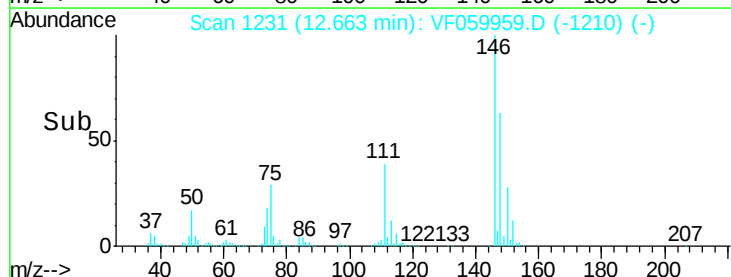
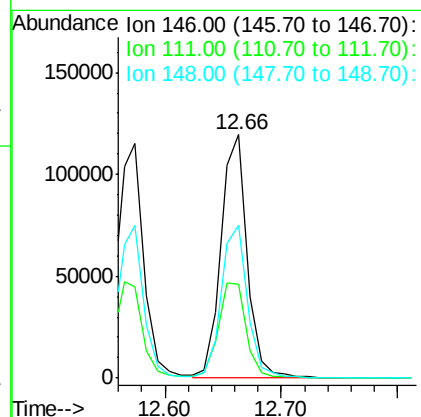
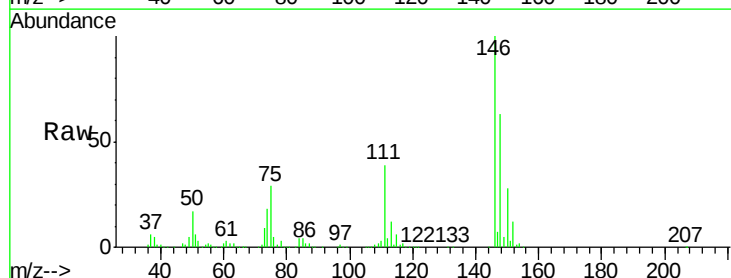
Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF081418

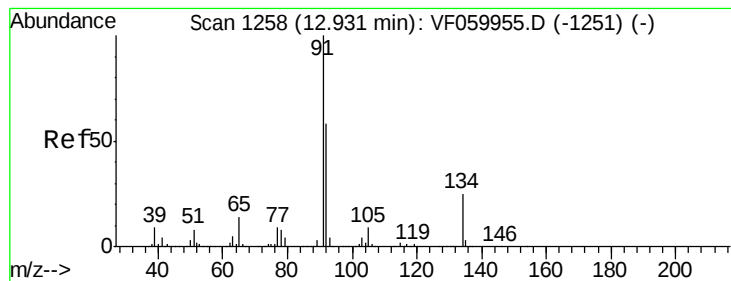
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	21.3	63.9
148	65.2	31.4	94.3



#88
 1,4-Dichlorobenzene
 Concen: 49.52 ug/l
 RT: 12.66 min Scan# 1231
 Delta R.T. 0.01 min
 Lab File: VF059959.D
 Acq: 14 Aug 2018 22:23

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.5	21.1	63.1
148	62.9	31.7	95.1





#89

n-Butylbenzene

Concen: 49.36 ug/l

RT: 12.93 min Scan# 1258

Delta R.T. -0.00 min

Lab File: VF059959.D

Acq: 14 Aug 2018 22:23

Instrument :

MSVOA_F

ClientSampleId :

ICVVF081418

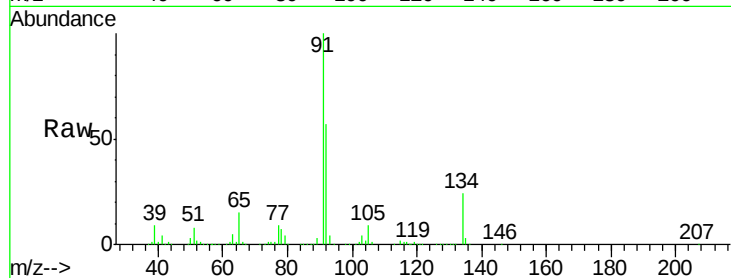
Tot Ion: 91 Resp: 375180

Ion Ratio Lower Upper

91 100

92 57.2 29.2 87.6

134 23.9 12.8 38.3



Abundance Ion 91.00 (90.70 to 91.70): VF059955.D (-1251) (-)

Ion 92.00 (91.70 to 92.70): VF059955.D (-1251) (-)

Ion 134.00 (133.70 to 134.70): VF059955.D (-1251) (-)

12.93

300000

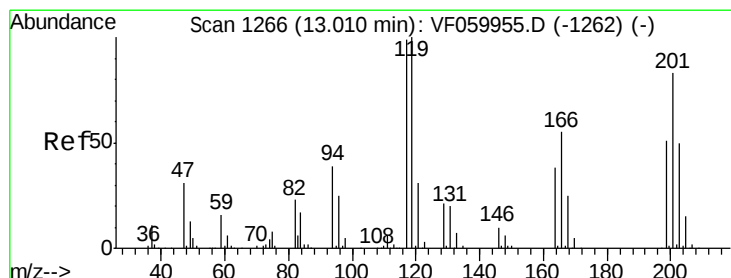
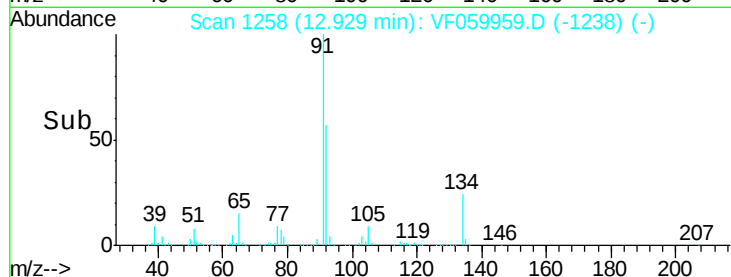
200000

100000

0

Time-->

12.90 13.00



#90

Hexachloroethane

Concen: 47.84 ug/l

RT: 13.01 min Scan# 1266

Delta R.T. -0.00 min

Lab File: VF059959.D

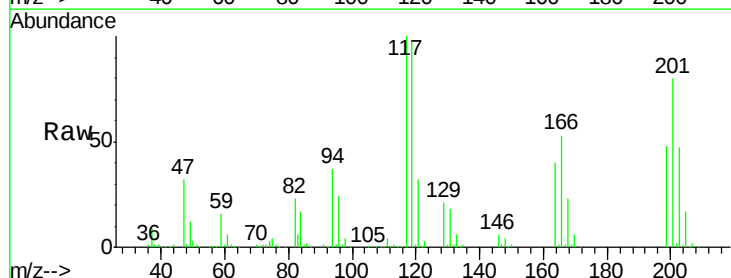
Acq: 14 Aug 2018 22:23

Tgt Ion: 117 Resp: 93465

Ion Ratio Lower Upper

117 100

201 79.7 41.8 125.3



Abundance Ion 117.00 (116.70 to 117.70): VF059955.D (-1262) (-)

Ion 201.00 (200.70 to 201.70): VF059955.D (-1262) (-)

13.01

60000

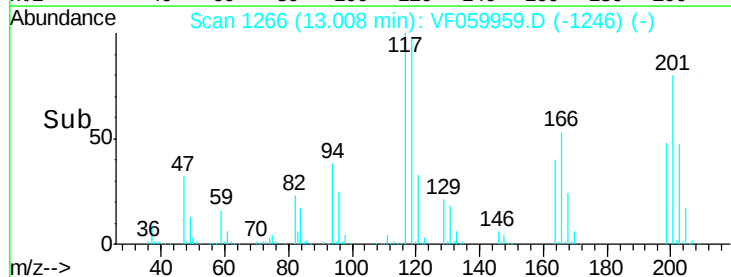
40000

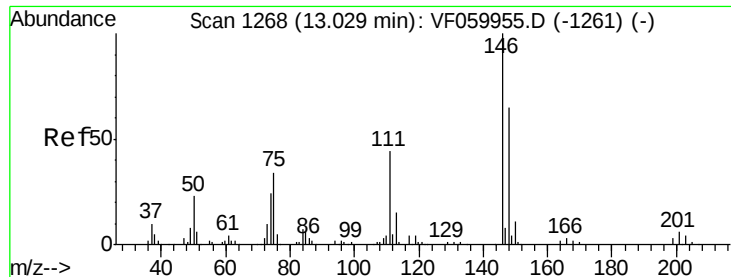
20000

0

Time-->

13.00 13.10

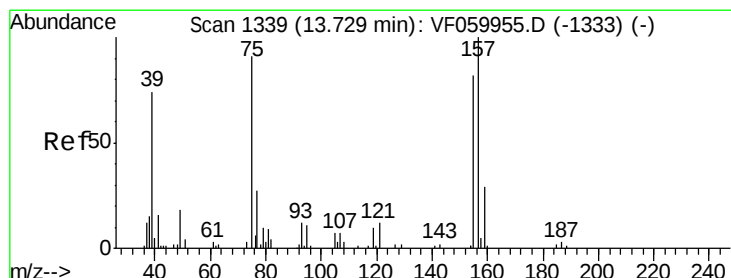
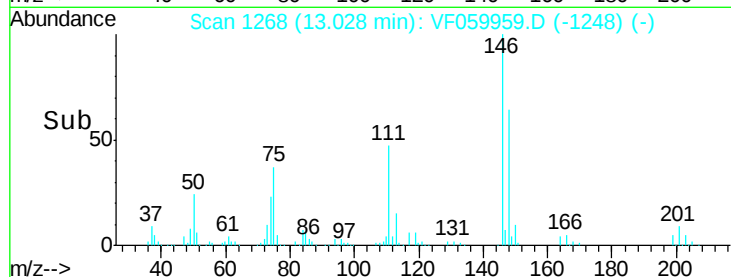
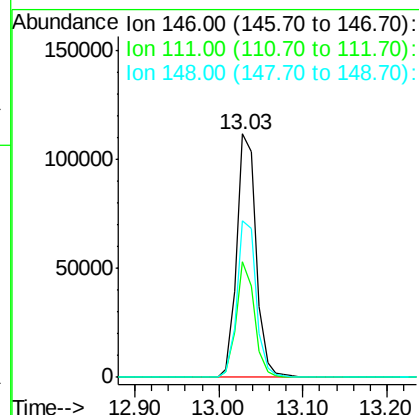
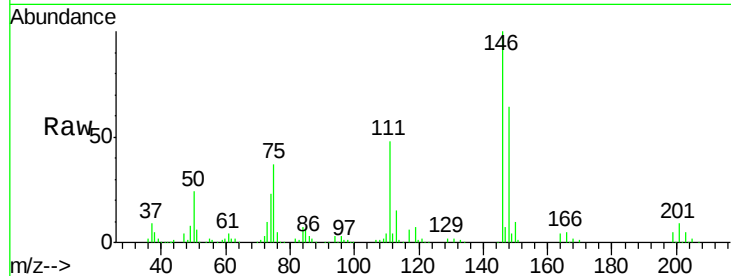




#91
 1,2-Dichlorobenzene
 Concen: 48.41 ug/l
 RT: 13.03 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VF059959.D
 Acq: 14 Aug 2018 22:23

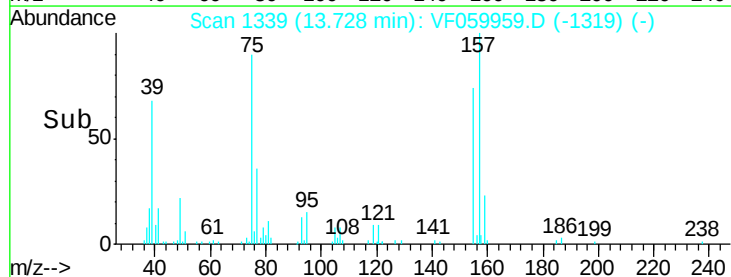
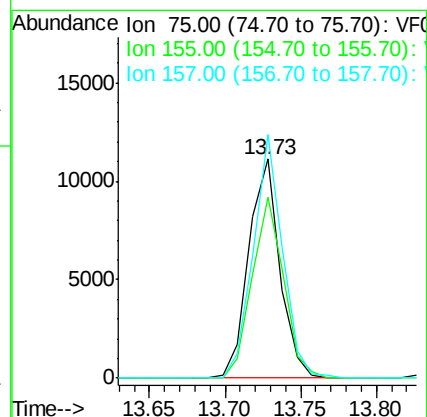
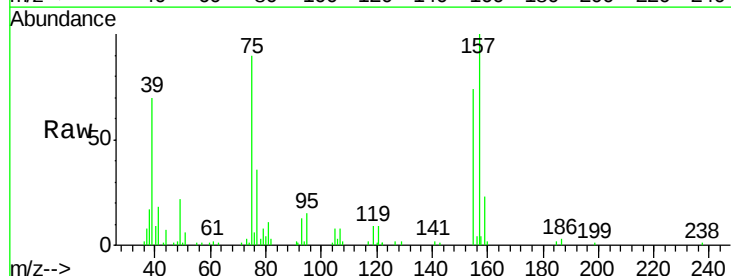
Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF081418

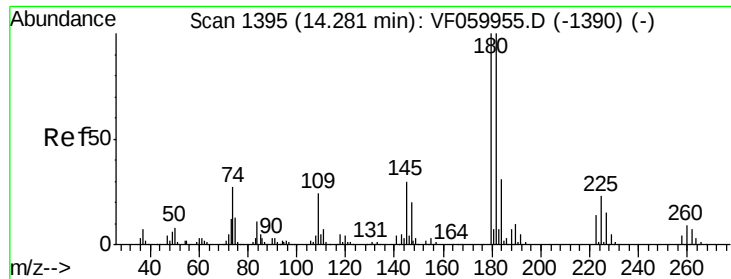
Tot Ion	Ratio	Lower	Upper
146	100		
111	47.5	22.0	66.0
148	64.3	32.4	97.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.48 ug/l
 RT: 13.73 min Scan# 1339
 Delta R.T. -0.00 min
 Lab File: VF059959.D
 Acq: 14 Aug 2018 22:23

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.4	44.6	134.0
157	111.1	54.8	164.3

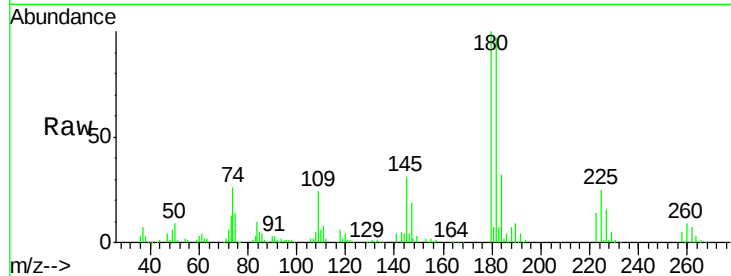




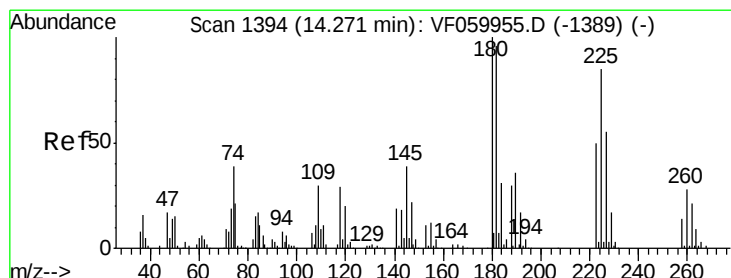
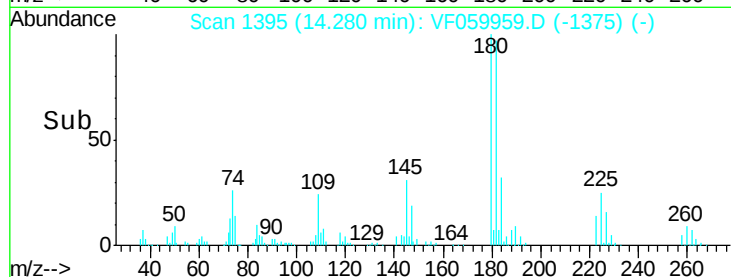
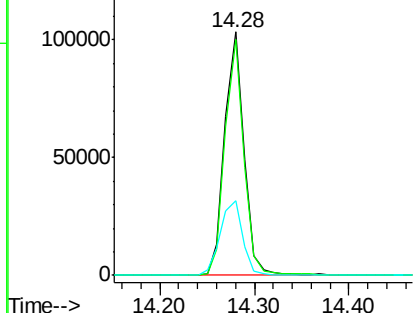
#93
 1,2,4-Trichlorobenzene
 Concen: 49.62 ug/l
 RT: 14.28 min Scan# 1395
 Delta R.T. -0.00 min
 Lab File: VF059959.D
 Acq: 14 Aug 2018 22:23

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF081418

Tot Ion:180 Resp: 147140
 Ion Ratio Lower Upper
 180 100
 182 97.1 50.2 150.7
 145 30.6 14.9 44.9

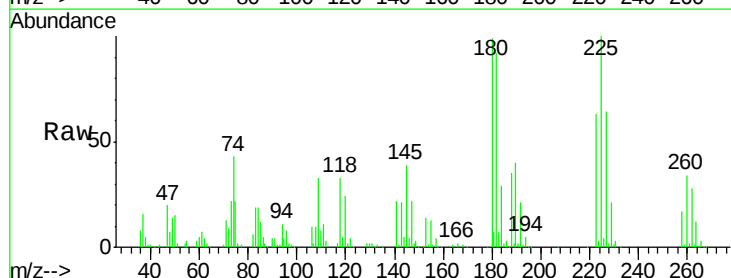


Abundance Ion 180.00 (179.70 to 180.70):
 Ion 182.00 (181.70 to 182.70):
 Ion 145.00 (144.70 to 145.70):

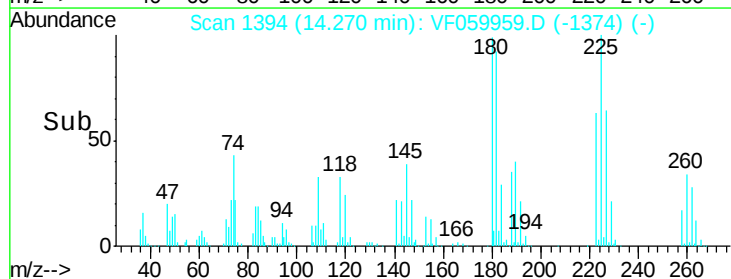
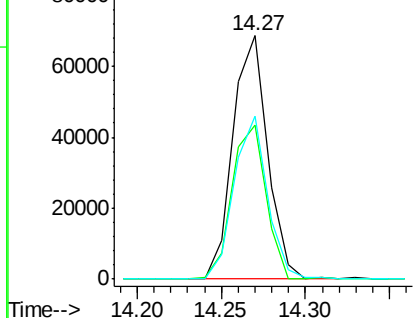


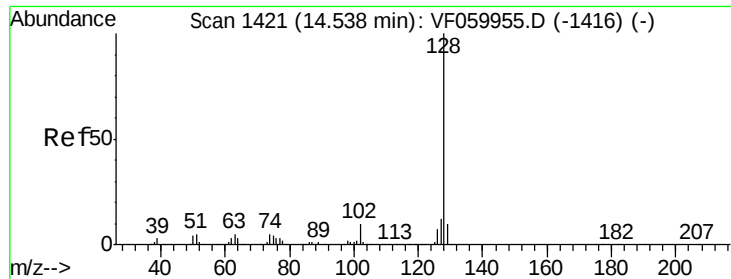
#94
 Hexachlorobutadiene
 Concen: 46.27 ug/l
 RT: 14.27 min Scan# 1394
 Delta R.T. -0.00 min
 Lab File: VF059959.D
 Acq: 14 Aug 2018 22:23

Tgt Ion:225 Resp: 98123
 Ion Ratio Lower Upper
 225 100
 223 63.5 29.6 88.8
 227 67.0 32.5 97.5



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





#95

Naphthalene

Concen: 50.55 ug/l

RT: 14.54 min Scan# 1421

Delta R.T. -0.00 min

Lab File: VF059959.D

Acq: 14 Aug 2018 22:23

Instrument :

MSVOA_F

ClientSampleId :

ICVVF081418

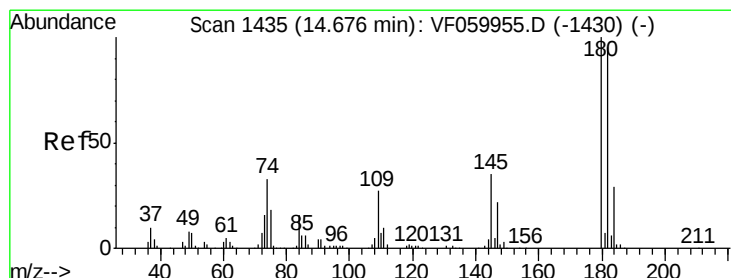
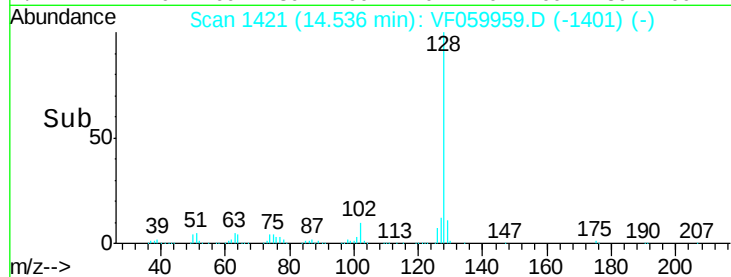
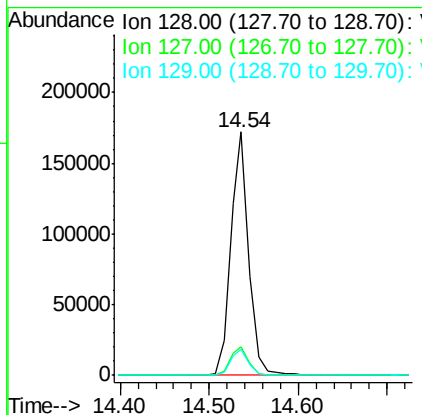
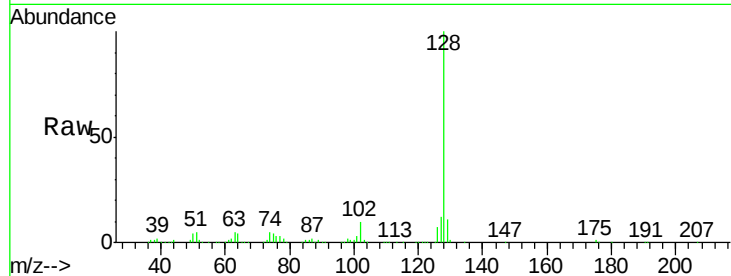
Tot Ion:128 Resp: 244761

Ion Ratio Lower Upper

128 100

127 11.9 9.9 14.9

129 10.7 8.4 12.6



#96

1,2,3-Trichlorobenzene

Concen: 49.51 ug/l

RT: 14.67 min Scan# 1435

Delta R.T. -0.00 min

Lab File: VF059959.D

Acq: 14 Aug 2018 22:23

Tgt Ion:180 Resp: 140126

Ion Ratio Lower Upper

180 100

182 95.7 47.5 142.6

145 35.5 17.6 52.8

