

Data File : VF059984.D
Acq On : 17 Aug 2018 20:51
Operator : VA/AP
Sample : VSTDICV050
Misc : 5.00g/5mL/MSVOA_F/SOIL
ALS Vial : 39 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
ICVVF081718

Quant Time: Aug 18 01:13:34 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F081718S.M
Quant Title : SW846 8260
QLast Update : Sat Aug 18 01:11:02 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	137657	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	196619	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	198998	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	131240	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.03	65	125971	47.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.82%	
35) Dibromofluoromethane	4.30	113	101435	50.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.96%	
50) Toluene-d8	7.72	98	227707	50.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.92%	
62) 4-Bromofluorobenzene	11.51	95	130928	47.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	103493	44.324	ug/l	97
3) Chloromethane	1.08	50	51386	47.126	ug/l	96
4) Vinyl Chloride	1.12	62	69701	49.991	ug/l	91
5) Bromomethane	1.32	94	56311	45.344	ug/l	98
6) Chloroethane	1.40	64	32524	44.928	ug/l	93
7) Trichlorofluoromethane	1.49	101	177884	44.454	ug/l	100
8) Diethyl Ether	1.70	74	30813	52.191	ug/l	78
9) 1,1,2-Trichlorotrifluoroet	1.86	101	84104	44.826	ug/l	95
10) Methyl Iodide	1.93	142	105717	44.657	ug/l	98
11) Tert butyl alcohol	2.69	59	41123	265.554	ug/l #	92
12) 1,1-Dichloroethene	1.83	96	61639	47.641	ug/l	94
13) Acrolein	2.10	56	24865	252.724	ug/l	96
14) Allyl chloride	2.20	41	97608	44.461	ug/l #	94
15) Acrylonitrile	3.08	53	51169	204.351	ug/l	97
16) Acetone	2.34	43	151297	203.292	ug/l	100
17) Carbon Disulfide	1.84	76	183584	44.640	ug/l	98
18) Methyl Acetate	2.45	43	59109	42.999	ug/l	97
19) Methyl tert-butyl Ether	2.54	73	197152	46.298	ug/l	95
20) Methylene Chloride	2.28	84	71859	48.626	ug/l	94
21) trans-1,2-Dichloroethene	2.41	96	66753	48.064	ug/l	93
22) Diisopropyl ether	2.93	45	187943	40.031	ug/l #	98
23) Vinyl Acetate	3.34	43	486834	257.524	ug/l #	96
24) 1,1-Dichloroethane	3.00	63	137853	44.766	ug/l	99
25) 2-Butanone	4.51	43	147549	229.699	ug/l	95
26) 2,2-Dichloropropane	3.76	77	129654	47.529	ug/l	97
27) cis-1,2-Dichloroethene	3.64	96	62605	49.290	ug/l	90
28) Bromochloromethane	3.90	49	39685	44.916	ug/l	97
29) Tetrahydrofuran	4.25	42	55763	243.239	ug/l	99
30) Chloroform	4.04	83	172302	48.397	ug/l	100
31) Cyclohexane	3.86	56	68569	48.642	ug/l #	96
32) 1,1,1-Trichloroethane	4.29	97	161565	46.502	ug/l	98
36) 1,1-Dichloropropene	4.46	75	101090	45.141	ug/l	97
37) Ethyl Acetate	4.30	43	56600	45.725	ug/l	98
38) Carbon Tetrachloride	4.18	117	149012	46.392	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	83137	49.488	ug/l	95
40) Benzene	4.82	78	188310	49.683	ug/l	99
41) Methacrylonitrile	4.93	41	29194	49.261	ug/l #	89
42) 1,2-Dichloroethane	5.12	62	140153	43.596	ug/l	100
43) Isopropyl Acetate	7.11	43	64995	47.705	ug/l #	86
44) Trichloroethene	5.69	130	69456	46.951	ug/l	85
45) 1,2-Dichloropropane	6.42	63	52958	48.838	ug/l	95
46) Dibromomethane	6.26	93	50556	47.276	ug/l	93
47) Bromodichloromethane	6.55	83	134586	46.619	ug/l	99
48) Methyl methacrylate	6.88	41	48685	48.010	ug/l #	89
49) 1,4-Dioxane	6.87	88	8596	967.818	ug/l #	74
51) 4-Methyl-2-Pentanone	8.41	43	304989	239.645	ug/l	99
52) Toluene	7.79	92	130615	46.041	ug/l	94
53) t-1,3-Dichloropropene	8.44	75	112825	46.333	ug/l	100
54) cis-1,3-Dichloropropene	7.47	75	114814	48.838	ug/l	93
55) 1,1,2-Trichloroethane	8.64	97	55128	48.436	ug/l	98
56) Ethyl methacrylate	8.77	69	66336	50.307	ug/l	96
57) 1,3-Dichloropropane	9.01	76	98316	48.466	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.79	63	29787	269.342	ug/l	100
59) 2-Hexanone	9.64	43	241453	229.772	ug/l	99
60) Dibromochloromethane	8.87	129	97722	46.987	ug/l	100
61) 1,2-Dibromoethane	9.15	107	67152	47.292	ug/l	91
64) Tetrachloroethene	8.32	164	70059	46.204	ug/l	90
65) Chlorobenzene	9.94	112	185801	47.306	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.08	131	84653	46.847	ug/l	96
67) Ethyl Benzene	10.04	91	340549	47.756	ug/l	100
68) m/p-Xylenes	10.28	106	226656	91.737	ug/l	93
69) o-Xylene	10.83	106	126167	49.812	ug/l	97
70) Styrene	10.91	104	193918	47.788	ug/l	98
71) Bromoform	10.89	173	65214	48.815	ug/l	97
73) Isopropylbenzene	11.24	105	403780	51.321	ug/l	99
74) N-amyl acetate	11.47	43	115467	51.717	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.79	83	74715	48.365	ug/l	92
76) 1,2,3-Trichloropropane	11.90	75	64598	47.213	ug/l	97
77) Bromobenzene	11.60	156	110904	50.542	ug/l	94
78) n-propylbenzene	11.70	91	461171	47.215	ug/l	99
79) 2-Chlorotoluene	11.82	91	285313	48.081	ug/l	100
80) 1,3,5-Trimethylbenzene	11.92	105	345300	48.541	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.96	75	36941	63.966	ug/l	88
82) 4-Chlorotoluene	11.99	91	318368	49.026	ug/l	97
83) tert-Butylbenzene	12.22	119	355181	50.820	ug/l	98
84) 1,2,4-Trimethylbenzene	12.29	105	362845	48.441	ug/l	98
85) sec-Butylbenzene	12.39	105	440766	47.709	ug/l	95
86) p-Isopropyltoluene	12.55	119	401846	49.180	ug/l	97
87) 1,3-Dichlorobenzene	12.57	146	199830	47.708	ug/l	97
88) 1,4-Dichlorobenzene	12.65	146	204309	49.823	ug/l	98
89) n-Butylbenzene	12.92	91	388950	49.263	ug/l	97
90) Hexachloroethane	13.00	117	92217	50.102	ug/l	96
91) 1,2-Dichlorobenzene	13.03	146	196802	49.088	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.72	75	21436	50.178	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF081718\
Quantitation Report (Not Reviewed)

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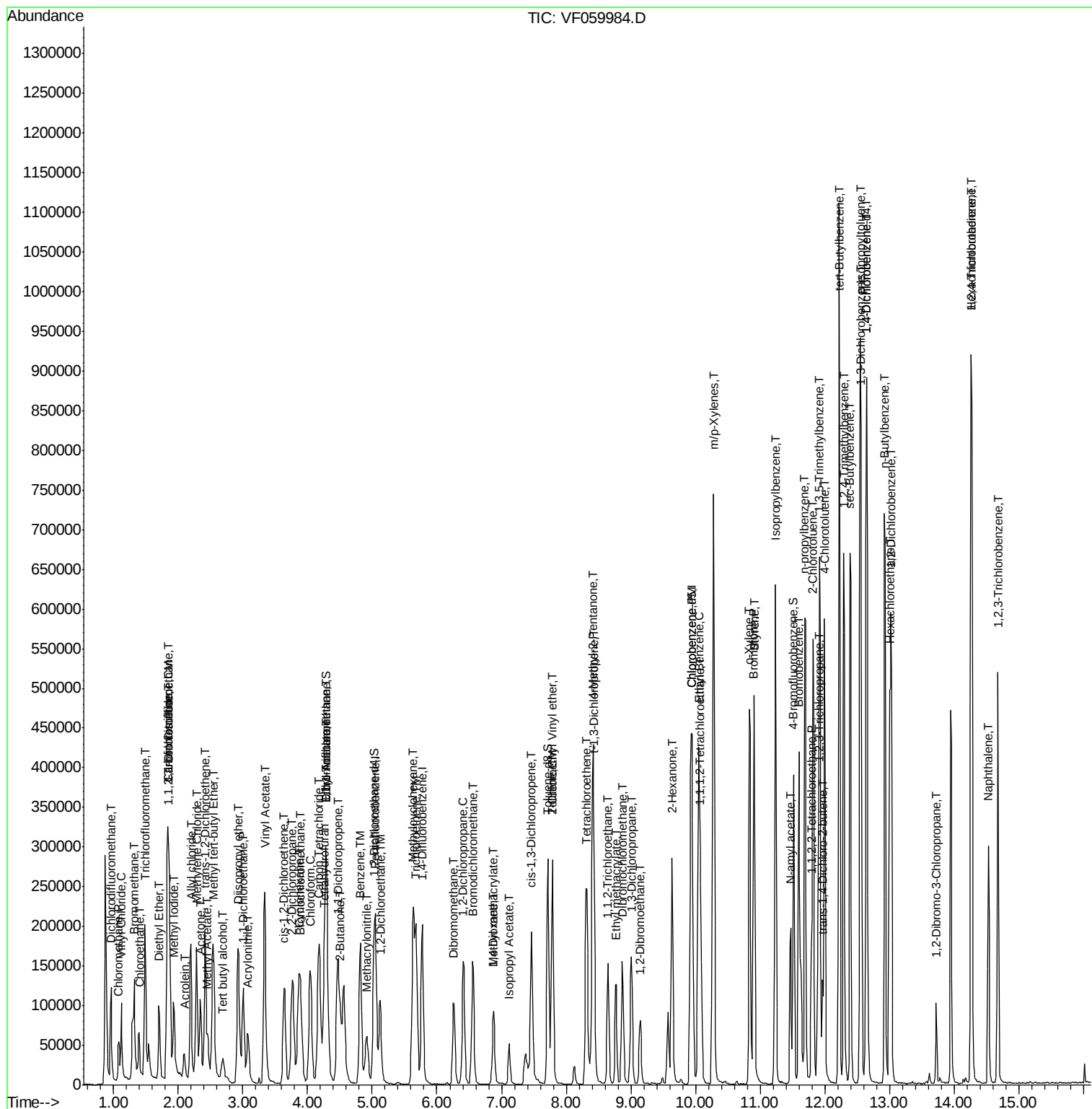
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	156274	47.769	ug/l	99
94) Hexachlorobutadiene	14.26	225	105474	48.129	ug/l	93
95) Naphthalene	14.53	128	208862	45.360	ug/l	100
96) 1,2,3-Trichlorobenzene	14.68	180	149078	47.263	ug/l	98

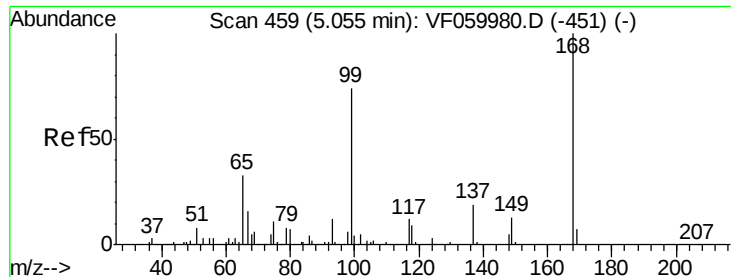
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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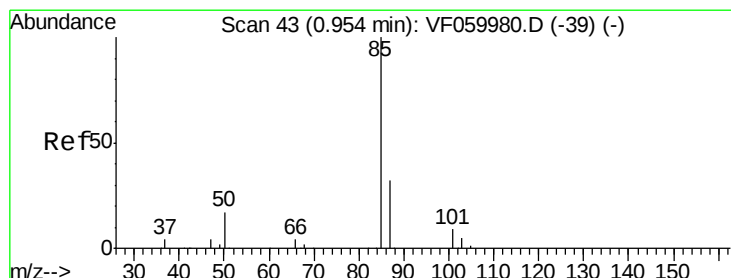
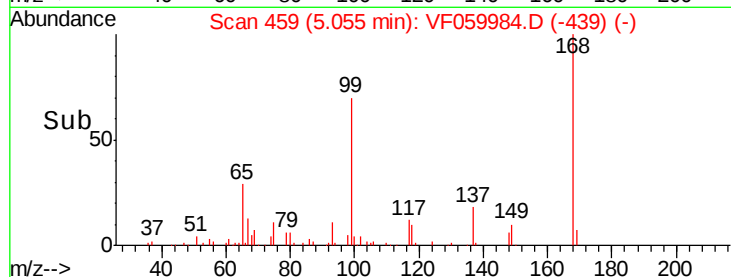
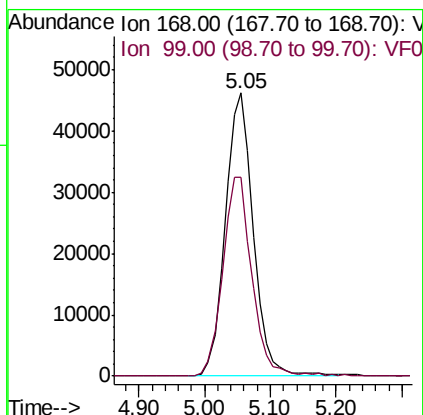
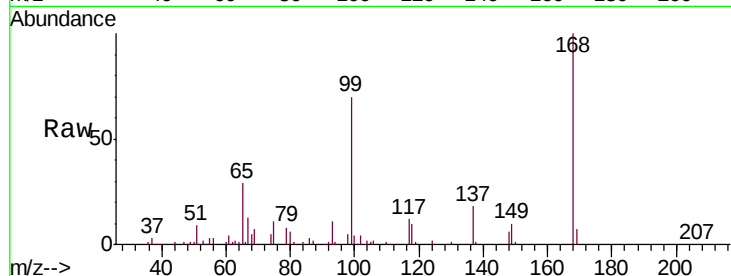




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.05 min Scan# 459
Delta R.T. 0.00 min
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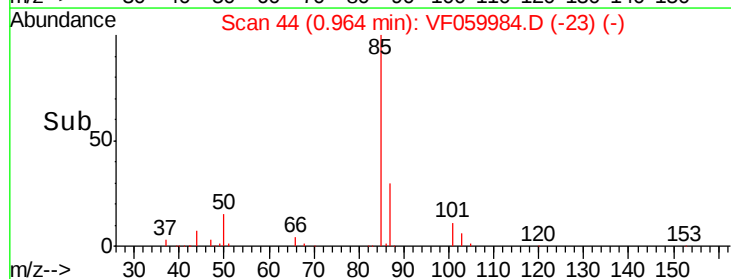
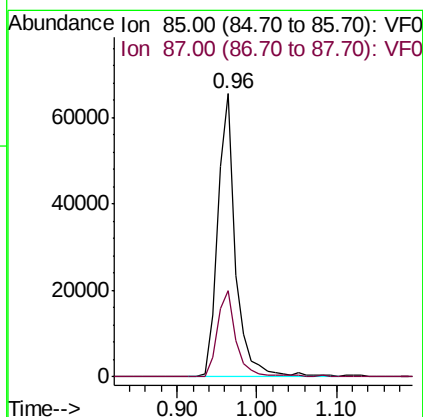
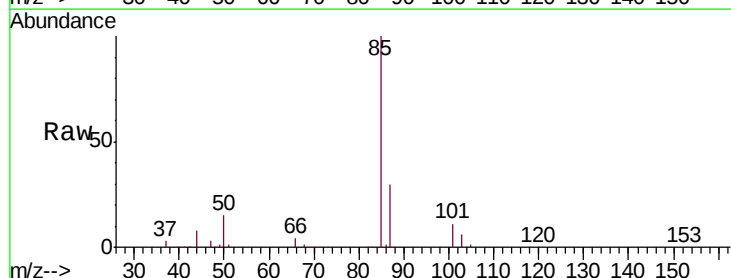
Instrument :
MSVOA_F
ClientSampleId :
ICVVF081718

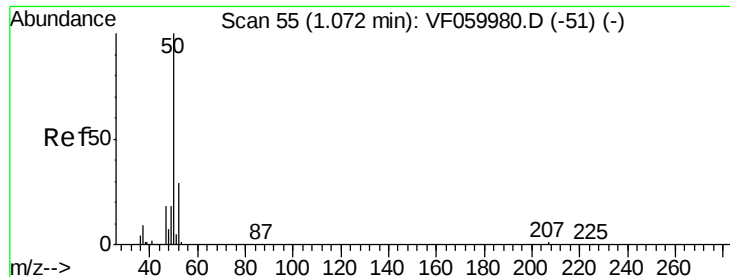
Tgt Ion:168 Resp: 137657
Ion Ratio Lower Upper
168 100
99 70.4 59.0 88.6



#2
Dichlorodifluoromethane
Concen: 44.324 ug/l
RT: 0.96 min Scan# 44
Delta R.T. 0.01 min
Lab File: VF059984.D
Acq: 17 Aug 2018 20:51

Tgt Ion: 85 Resp: 103493
Ion Ratio Lower Upper
85 100
87 30.3 15.9 47.7





#3

Chloromethane

Concen: 47.126 ug/l

RT: 1.08 min Scan# 56

Delta R.T. 0.01 min

Lab File: VF059984.D

Acq: 17 Aug 2018 20:51

Instrument :

MSVOA_F

ClientSampleId :

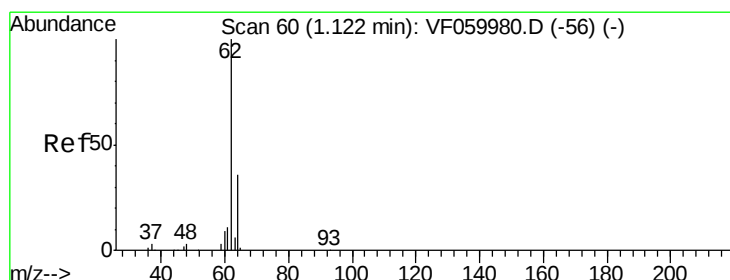
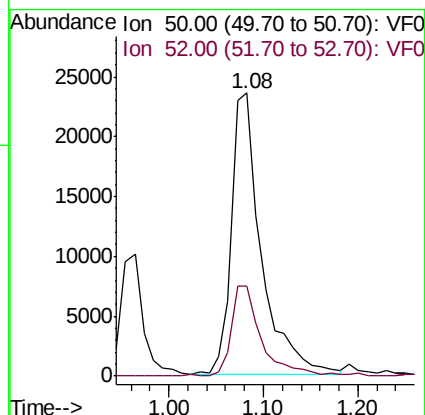
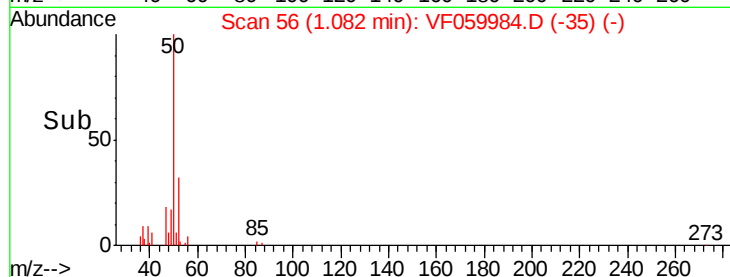
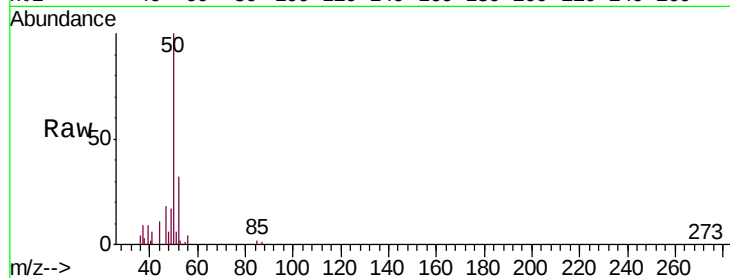
ICVVF081718

Tgt Ion: 50 Resp: 51386

Ion Ratio Lower Upper

50 100

52 31.9 23.6 35.4



#4

Vinyl Chloride

Concen: 49.991 ug/l

RT: 1.12 min Scan# 60

Delta R.T. 0.00 min

Lab File: VF059984.D

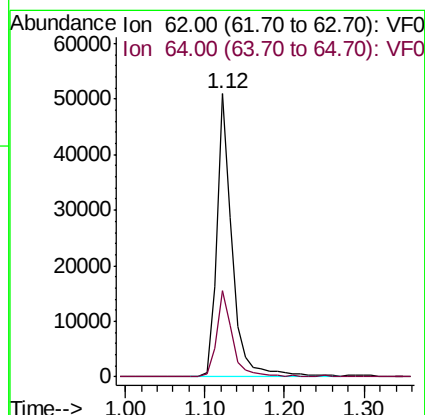
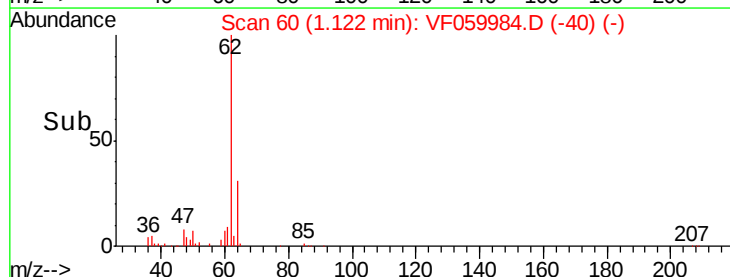
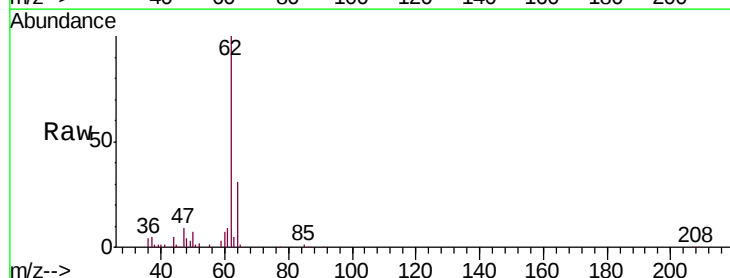
Acq: 17 Aug 2018 20:51

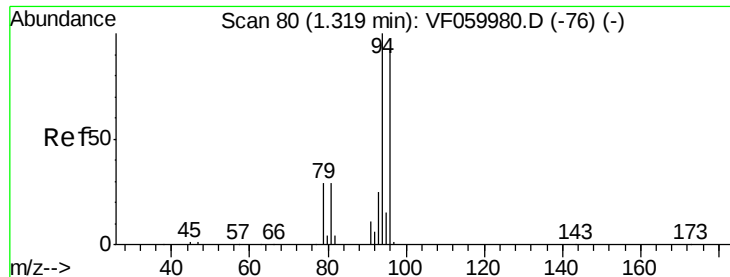
Tgt Ion: 62 Resp: 69701

Ion Ratio Lower Upper

62 100

64 30.6 28.7 43.1





#5

Bromomethane

Concen: 45.344 ug/l

RT: 1.32 min Scan# 80

Delta R.T. 0.00 min

Lab File: VF059984.D

Acq: 17 Aug 2018 20:51

Instrument :

MSVOA_F

ClientSampleId :

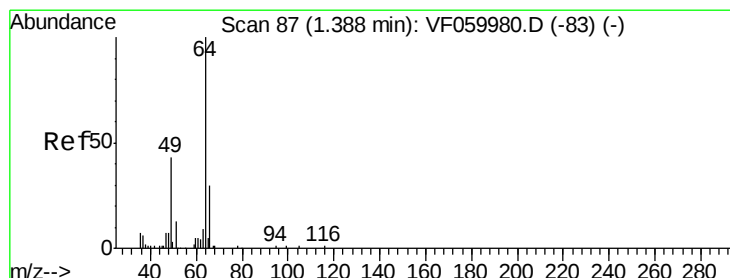
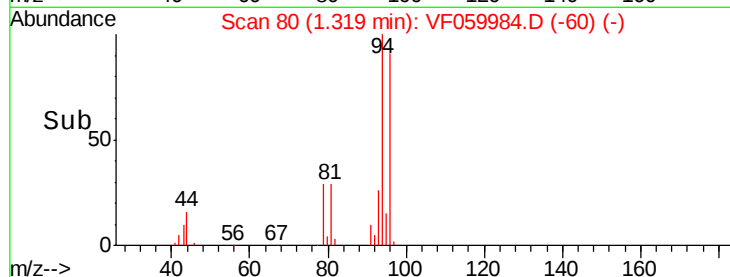
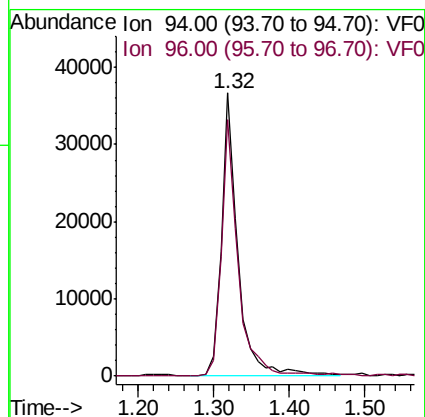
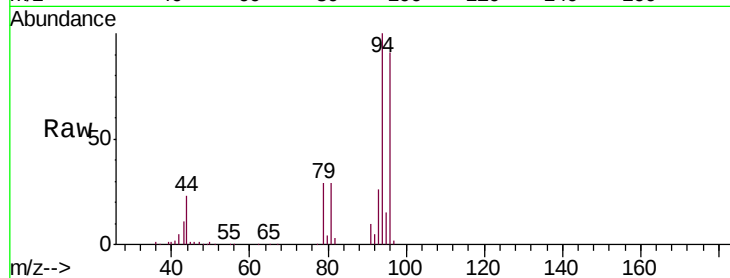
ICVVF081718

Tgt Ion: 94 Resp: 56311

Ion Ratio Lower Upper

94 100

96 90.5 73.9 110.9



#6

Chloroethane

Concen: 44.928 ug/l

RT: 1.40 min Scan# 88

Delta R.T. 0.01 min

Lab File: VF059984.D

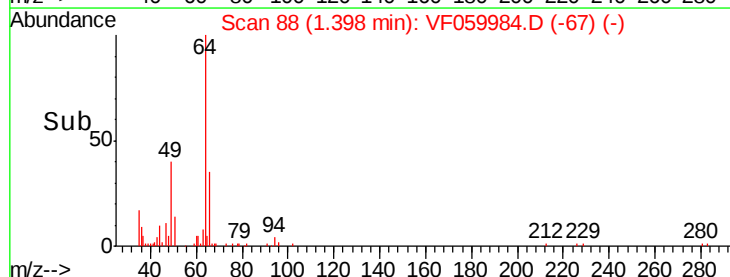
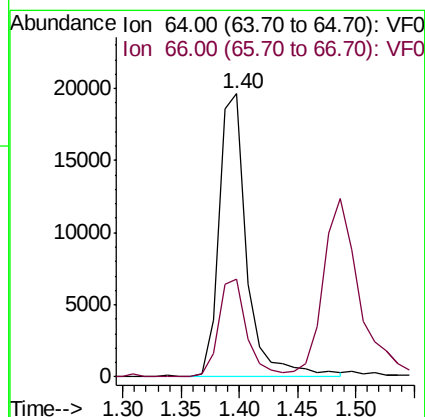
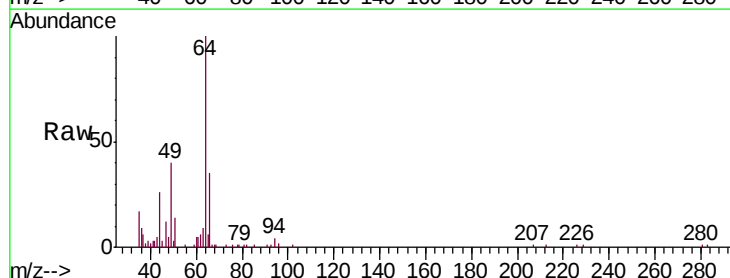
Acq: 17 Aug 2018 20:51

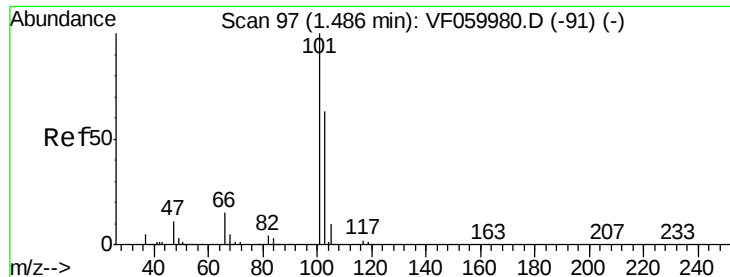
Tgt Ion: 64 Resp: 32524

Ion Ratio Lower Upper

64 100

66 34.6 24.4 36.6





#7

Trichlorofluoromethane

Concen: 44.454 ug/l

RT: 1.49 min Scan# 97

Delta R.T. 0.00 min

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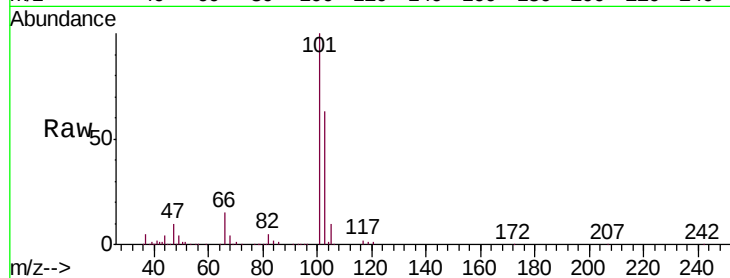
ICVVF081718

Tgt Ion: 101 Resp: 177884

Ion Ratio Lower Upper

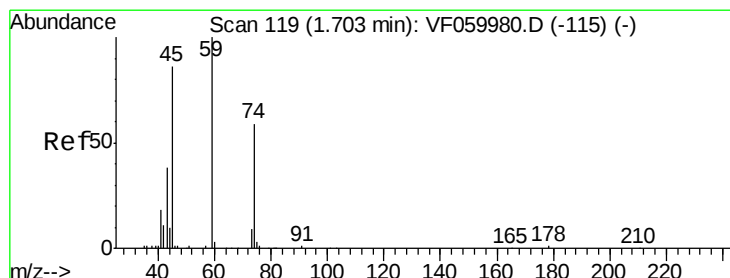
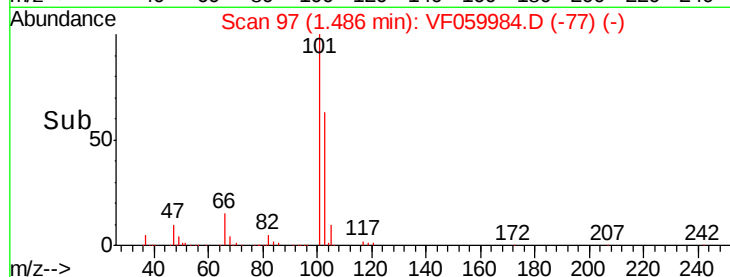
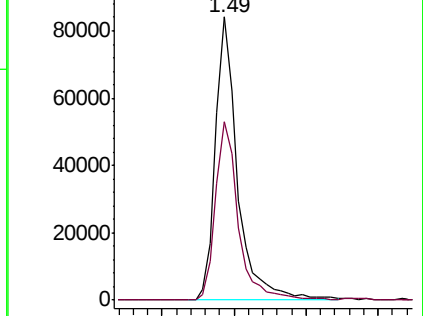
101 100

103 63.1 50.8 76.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 52.191 ug/l

RT: 1.70 min Scan# 119

Delta R.T. 0.00 min

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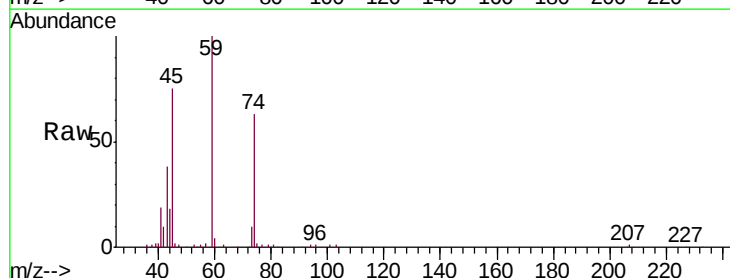
Acq: 17 Aug 2018 20:51

Tgt Ion: 74 Resp: 30813

Ion Ratio Lower Upper

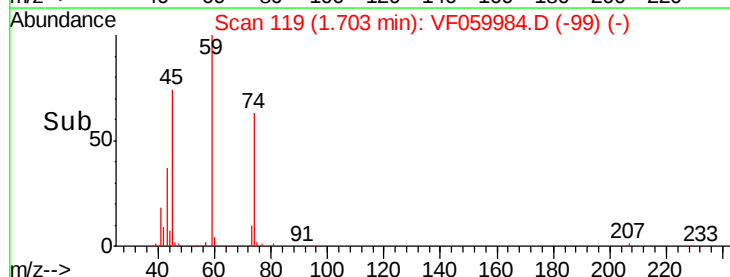
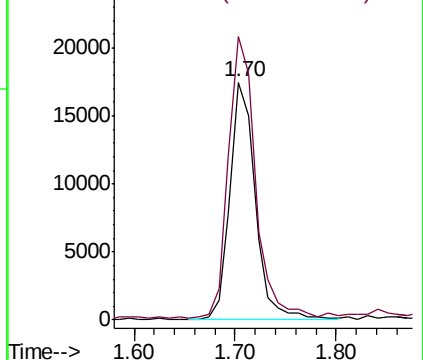
74 100

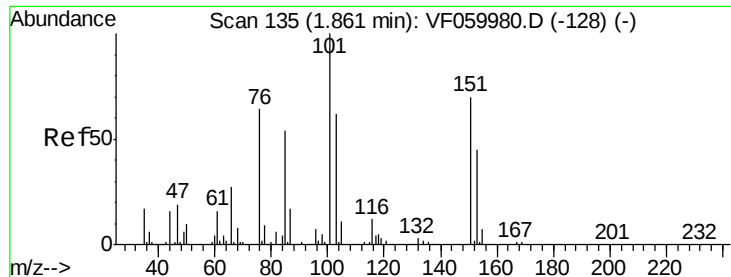
45 119.3 73.5 220.3



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.826 ug/l

RT: 1.86 min Scan# 135

Delta R.T. 0.00 min

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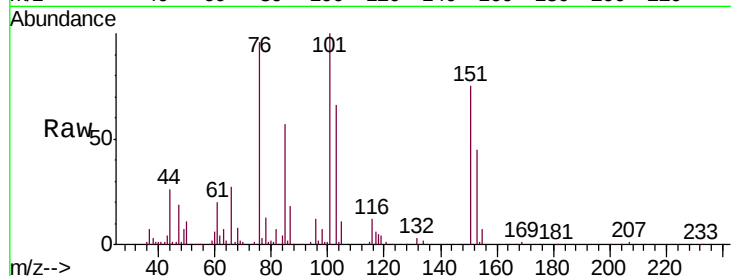
Tgt Ion:101 Resp: 84104

Ion Ratio Lower Upper

101 100

85 56.7 43.0 64.6

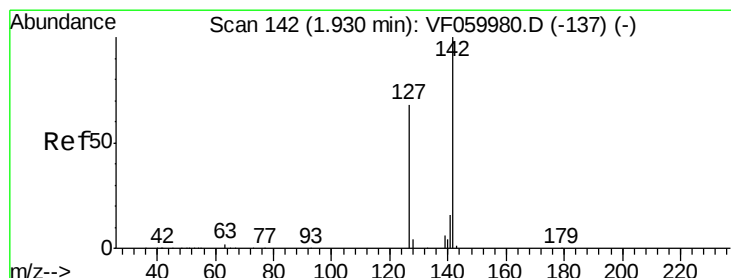
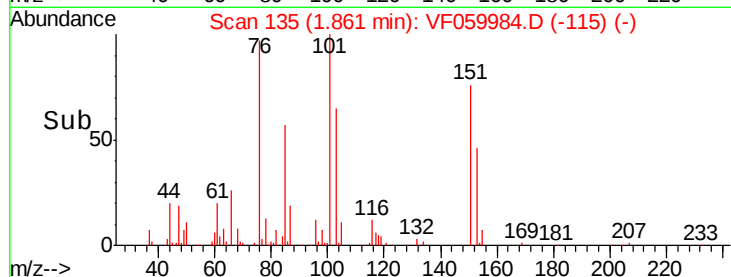
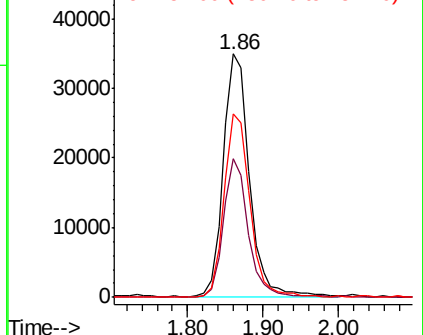
151 75.5 56.2 84.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 44.657 ug/l

RT: 1.93 min Scan# 142

Delta R.T. 0.00 min

Lab File: VF059984.D

Acq: 17 Aug 2018 20:51

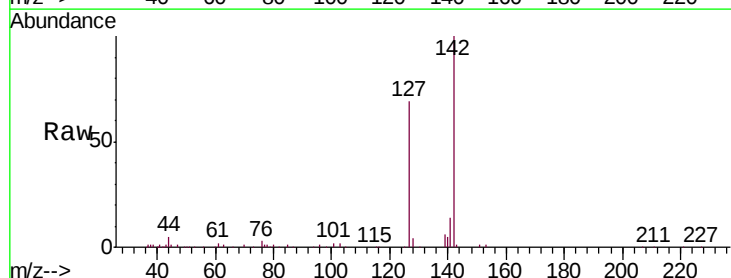
Tgt Ion:142 Resp: 105717

Ion Ratio Lower Upper

142 100

127 69.1 54.1 81.1

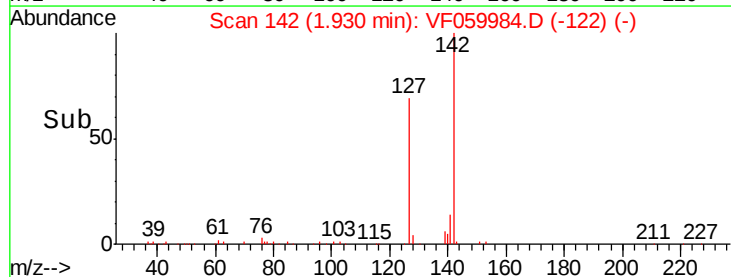
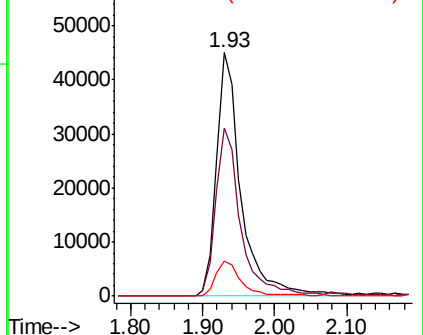
141 14.4 12.5 18.7

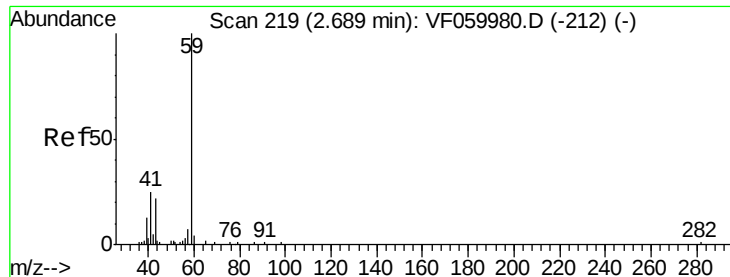


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V

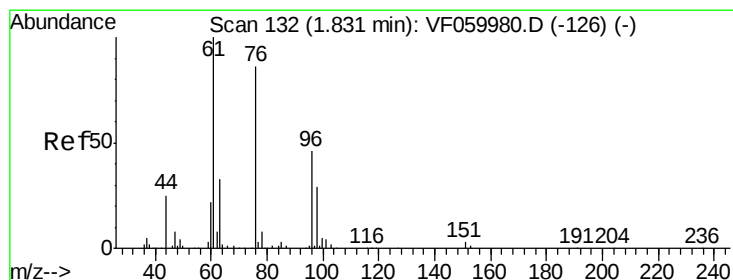
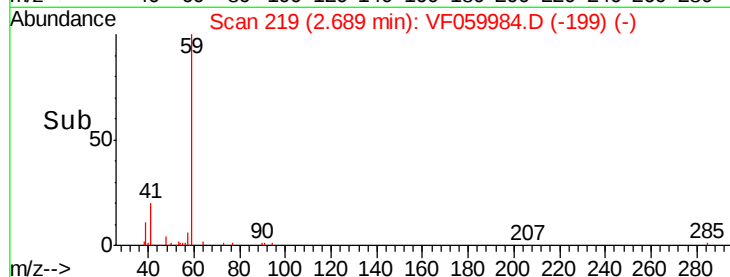
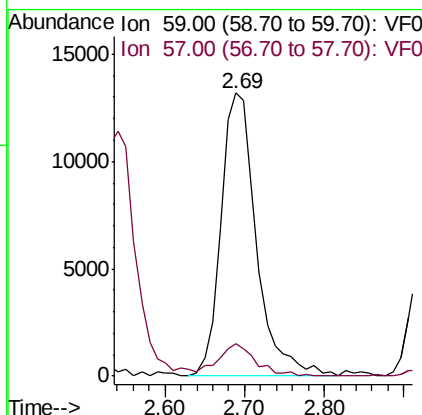
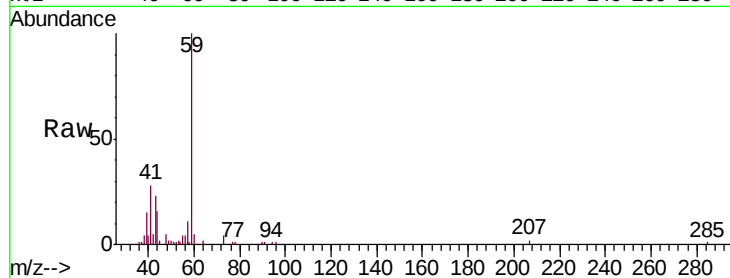




#11
Tert butyl alcohol
Concen: 265.554 ug/l
RT: 2.69 min Scan# 219
Delta R.T. 0.00 min
Lab File: VF059984.D
Acq: 17 Aug 2018 20:51

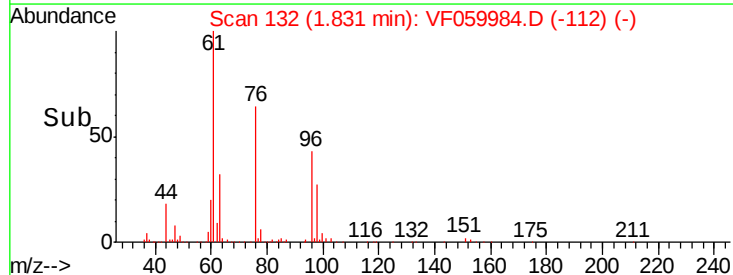
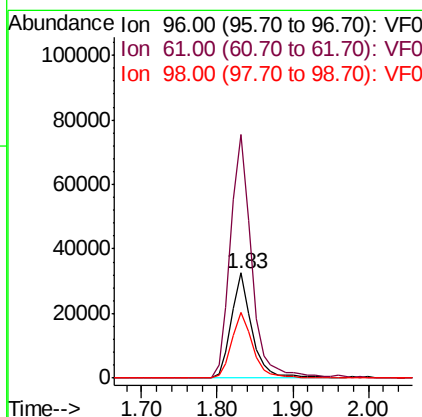
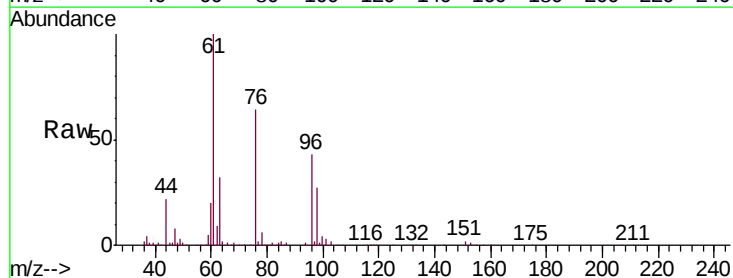
Instrument :
MSVOA_F
ClientSampleId :
ICVVF081718

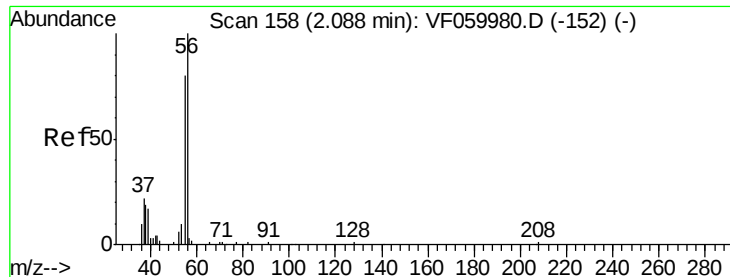
Tgt Ion: 59 Resp: 41123
Ion Ratio Lower Upper
59 100
57 11.3 6.8 10.2#



#12
1,1-Dichloroethene
Concen: 47.641 ug/l
RT: 1.83 min Scan# 132
Delta R.T. 0.00 min
Lab File: VF059984.D
Acq: 17 Aug 2018 20:51

Tgt Ion: 96 Resp: 61639
Ion Ratio Lower Upper
96 100
61 231.5 175.6 263.4
98 62.2 50.6 75.8





#13

Acrolein

Concen: 252.724 ug/l

RT: 2.10 min Scan# 159

Delta R.T. 0.01 min

Lab File: VF059984.D

Acq: 17 Aug 2018 20:51

Instrument :

MSVOA_F

ClientSampleId :

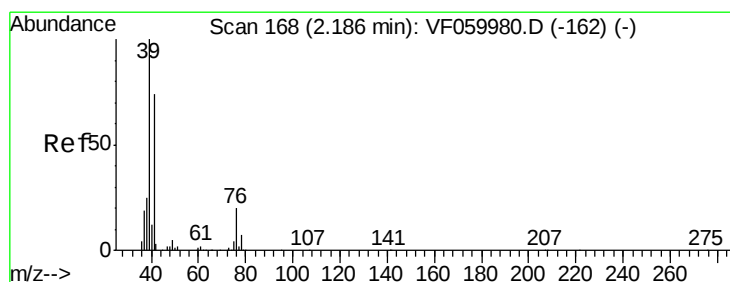
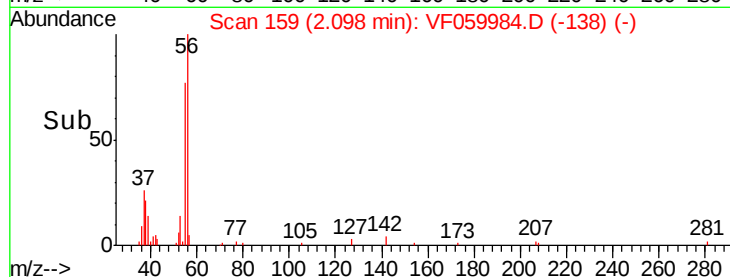
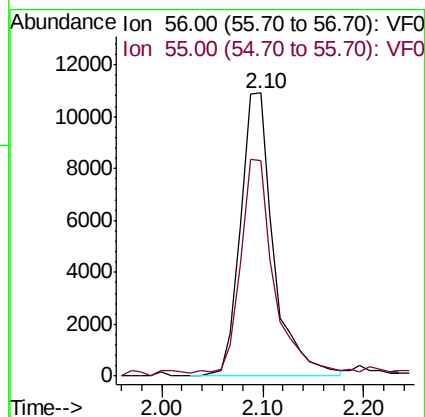
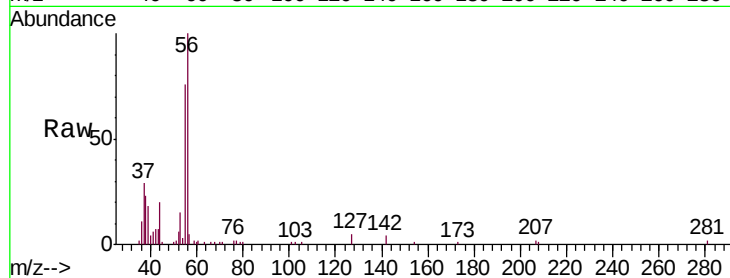
ICVVF081718

Tgt Ion: 56 Resp: 24865

Ion Ratio Lower Upper

56 100

55 75.9 63.8 95.6



#14

Allyl chloride

Concen: 44.461 ug/l

RT: 2.20 min Scan# 169

Delta R.T. 0.01 min

Lab File: VF059984.D

Acq: 17 Aug 2018 20:51

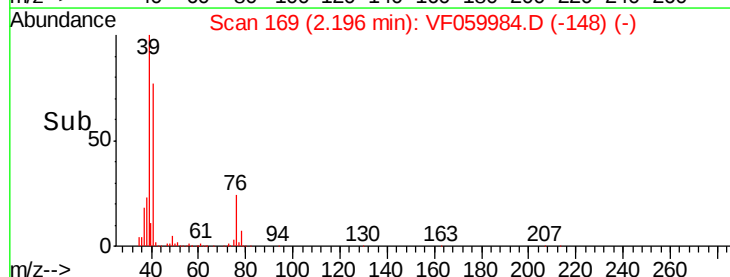
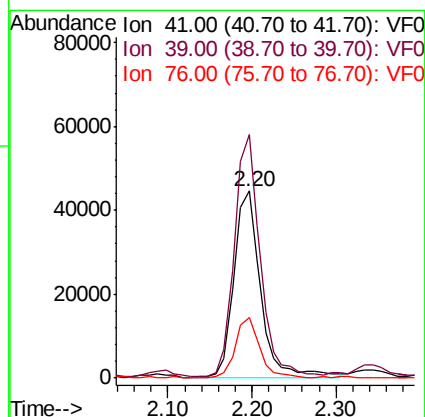
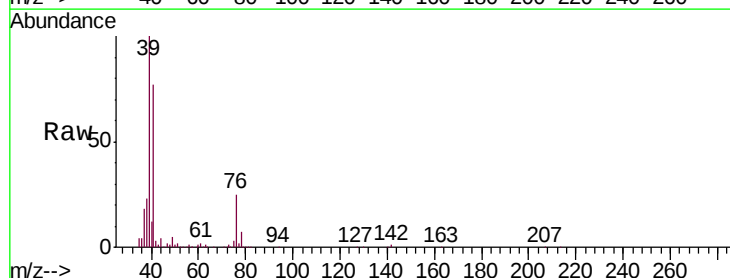
Tgt Ion: 41 Resp: 97608

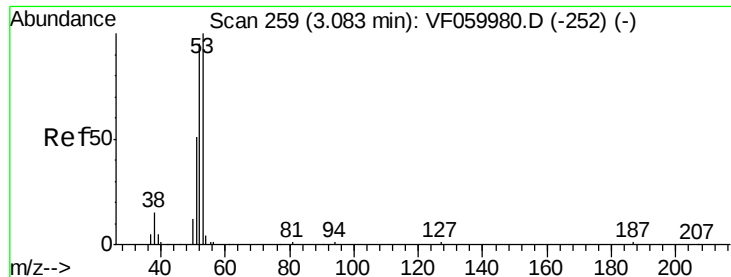
Ion Ratio Lower Upper

41 100

39 130.1 109.3 163.9

76 32.3 21.3 31.9#





#15

Acrylonitrile

Concen: 204.351 ug/l

RT: 3.08 min Scan# 259

Delta R.T. 0.00 min

Lab File: VF059984.D

Acq: 17 Aug 2018 20:51

Instrument :

MSVOA_F

ClientSampleId :

ICVVF081718

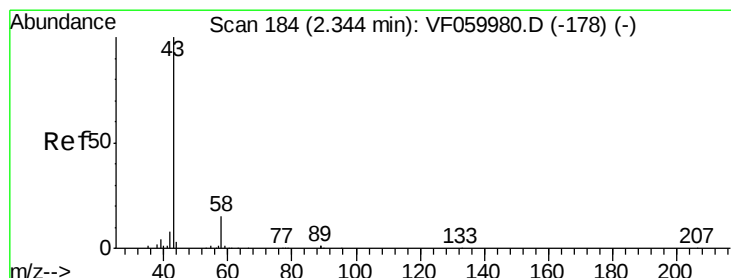
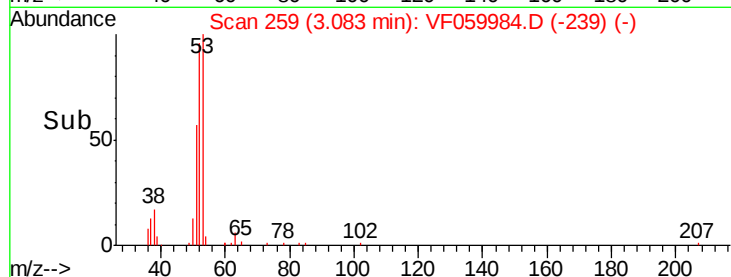
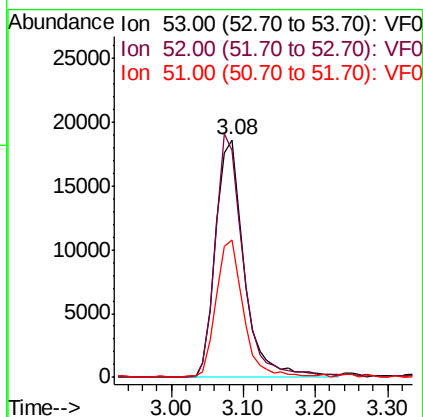
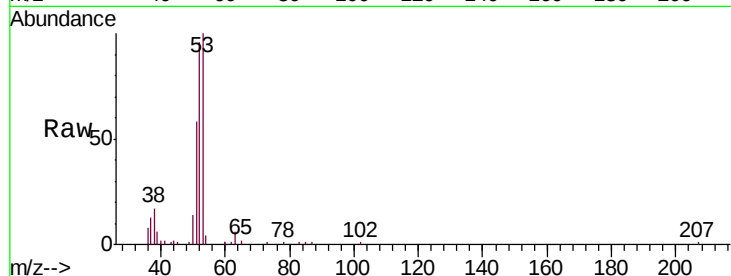
Tgt Ion: 53 Resp: 51169

Ion Ratio Lower Upper

53 100

52 95.8 76.0 114.0

51 57.8 41.9 62.9



#16

Acetone

Concen: 203.292 ug/l

RT: 2.34 min Scan# 184

Delta R.T. 0.00 min

Lab File: VF059984.D

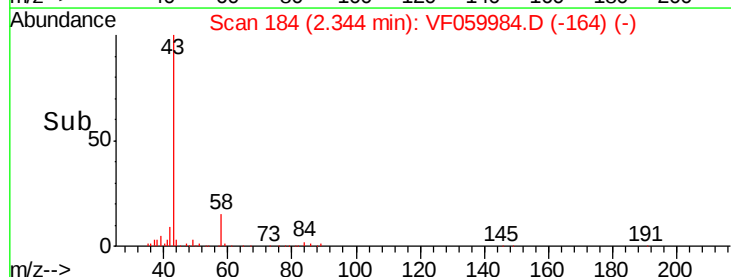
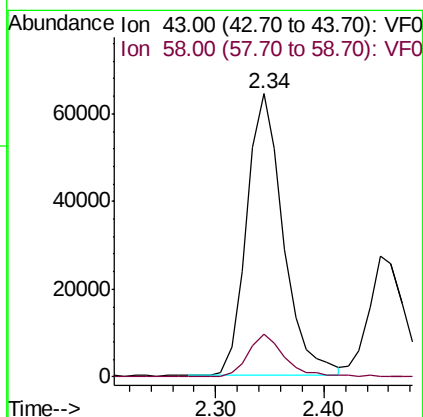
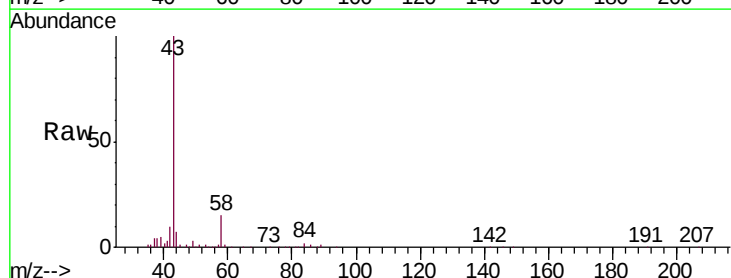
Acq: 17 Aug 2018 20:51

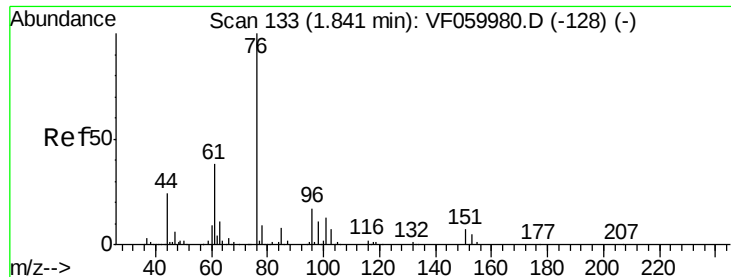
Tgt Ion: 43 Resp: 151297

Ion Ratio Lower Upper

43 100

58 15.0 11.9 17.9

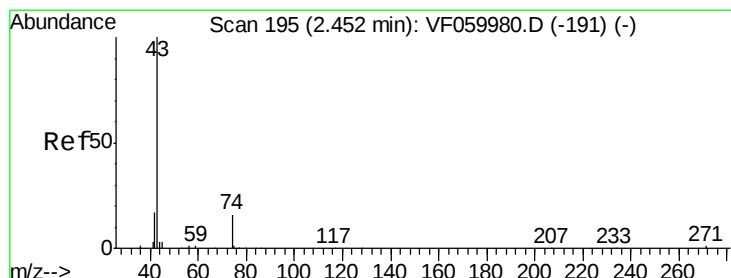
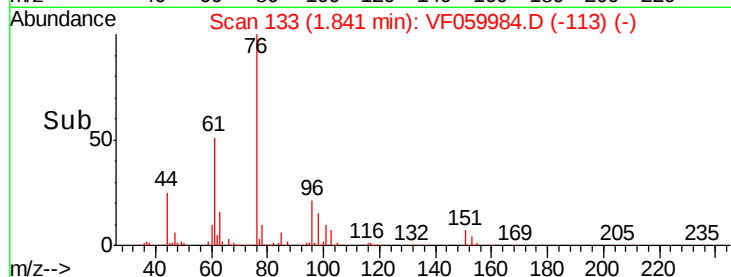
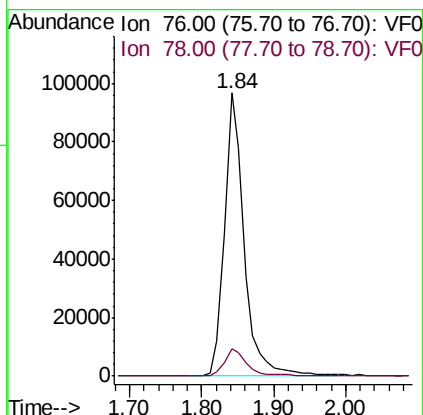
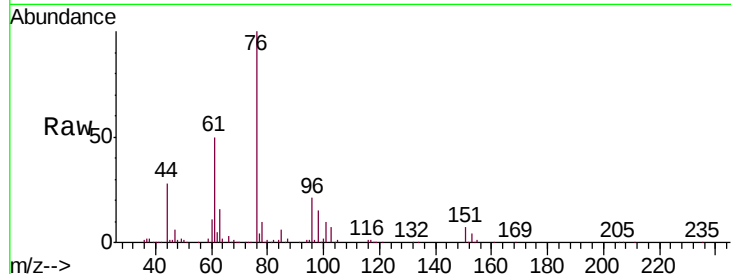




#17
Carbon Disulfide
Concen: 44.640 ug/l
RT: 1.84 min Scan# 133
Delta R.T. 0.00 min
Lab File: VF059984.D
Acq: 17 Aug 2018 20:51

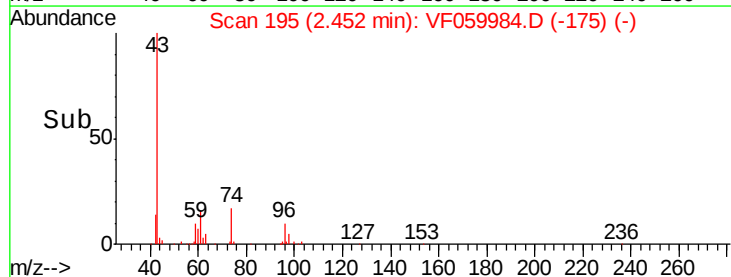
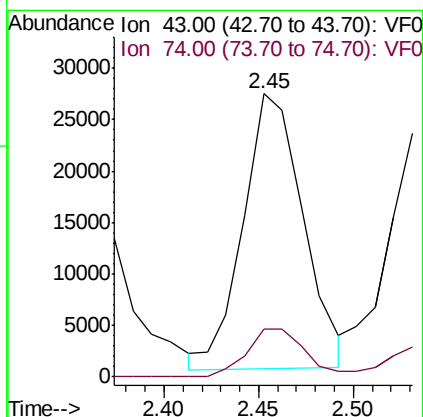
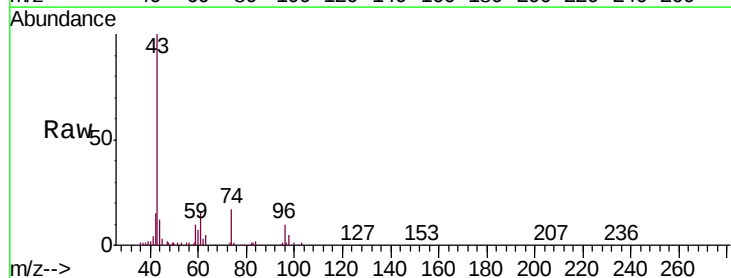
Instrument :
MSVOA_F
ClientSampleId :
ICVVF081718

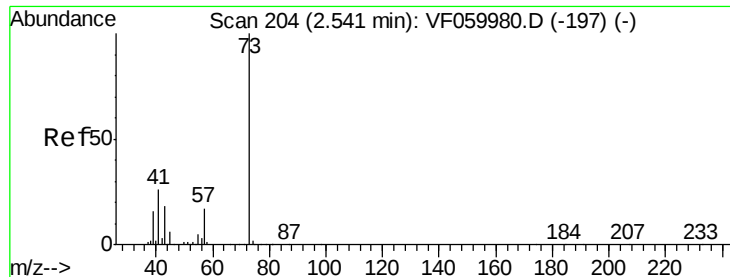
Tgt Ion: 76 Resp: 183584
Ion Ratio Lower Upper
76 100
78 9.9 7.2 10.8



#18
Methyl Acetate
Concen: 42.999 ug/l
RT: 2.45 min Scan# 195
Delta R.T. 0.00 min
Lab File: VF059984.D
Acq: 17 Aug 2018 20:51

Tgt Ion: 43 Resp: 59109
Ion Ratio Lower Upper
43 100
74 16.8 12.3 18.5

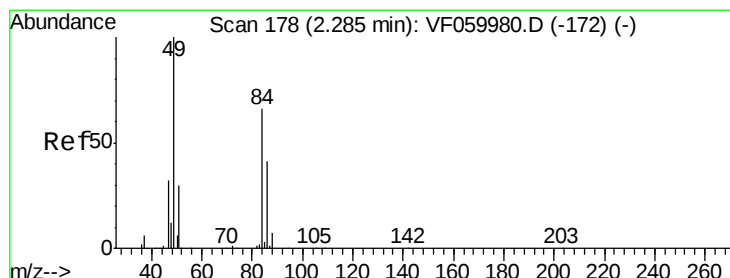
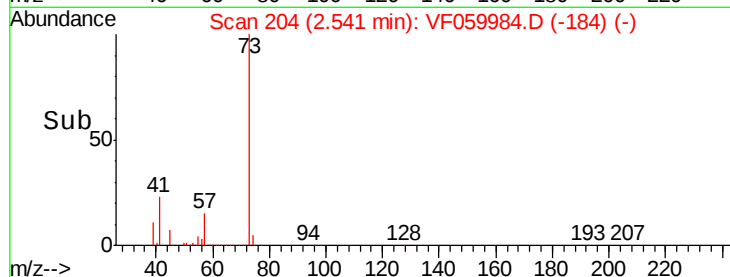
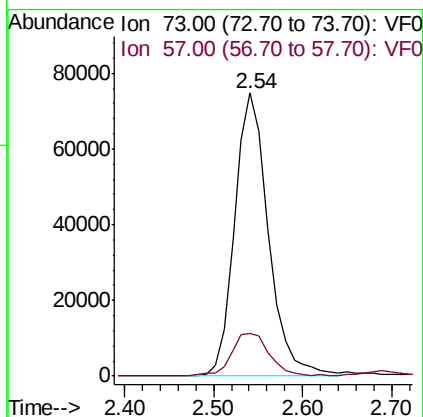
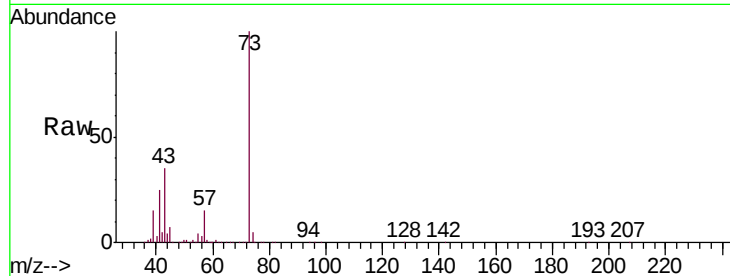




#19
Methyl tert-butyl Ether
Concen: 46.298 ug/l
RT: 2.54 min Scan# 204
Delta R.T. 0.00 min
Lab File: VF059984.D
Acq: 17 Aug 2018 20:51

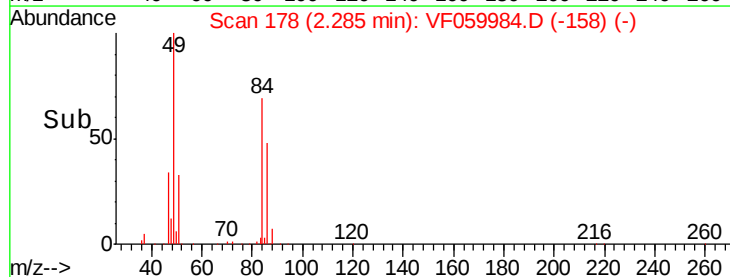
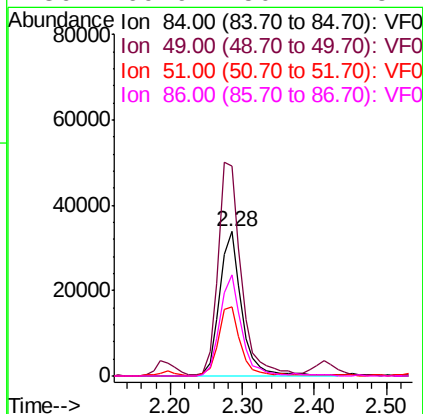
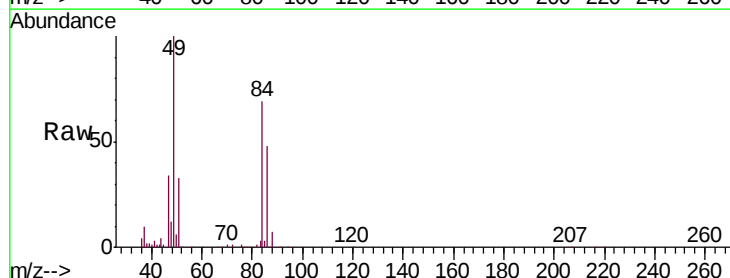
Instrument :
MSVOA_F
ClientSampleId :
ICVVF081718

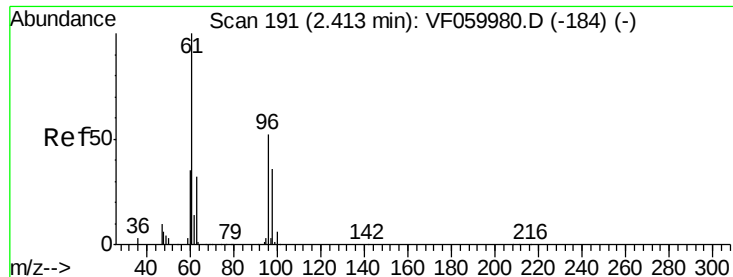
Tgt Ion: 73 Resp: 197152
Ion Ratio Lower Upper
73 100
57 15.3 14.2 21.2



#20
Methylene Chloride
Concen: 48.626 ug/l
RT: 2.28 min Scan# 178
Delta R.T. 0.00 min
Lab File: VF059984.D
Acq: 17 Aug 2018 20:51

Tgt Ion: 84 Resp: 71859
Ion Ratio Lower Upper
84 100
49 145.6 122.5 183.7
51 48.1 37.1 55.7
86 69.9 50.2 75.2





#21

trans-1,2-Dichloroethene

Concen: 48.064 ug/l

RT: 2.41 min Scan# 191

Delta R.T. 0.00 min

Lab File: VF059984.D

Acq: 17 Aug 2018 20:51

Instrument :

MSVOA_F

ClientSampleId :

ICVVF081718

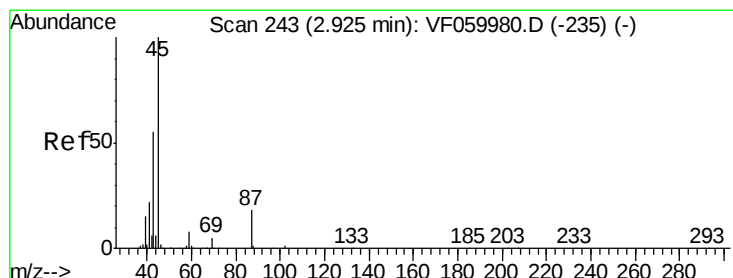
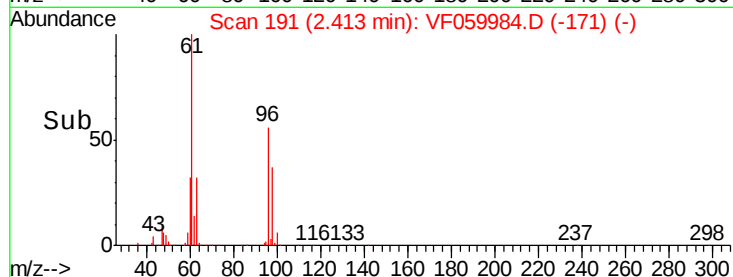
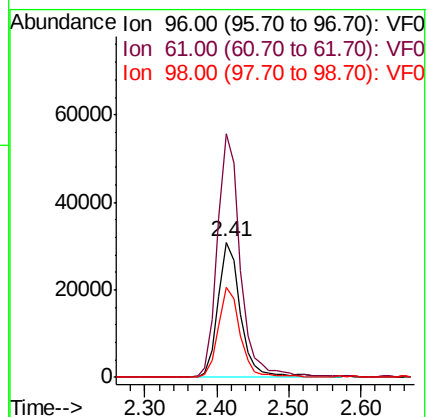
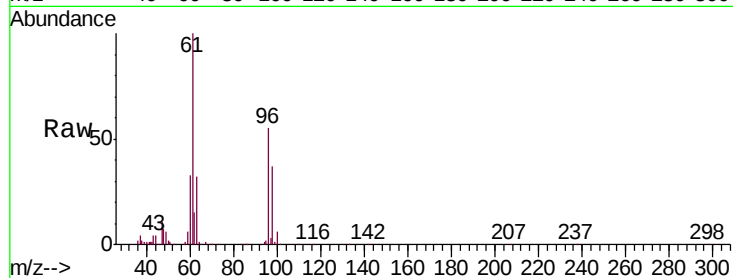
Tgt Ion: 96 Resp: 66753

Ion Ratio Lower Upper

96 100

61 180.2 153.0 229.4

98 66.2 55.5 83.3



#22

Diisopropyl ether

Concen: 40.031 ug/l

RT: 2.93 min Scan# 243

Delta R.T. 0.00 min

Lab File: VF059984.D

Acq: 17 Aug 2018 20:51

Tgt Ion: 45 Resp: 187943

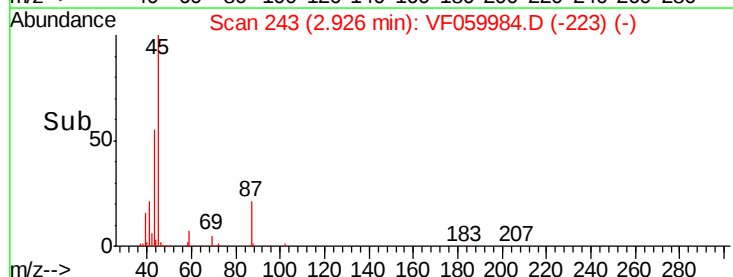
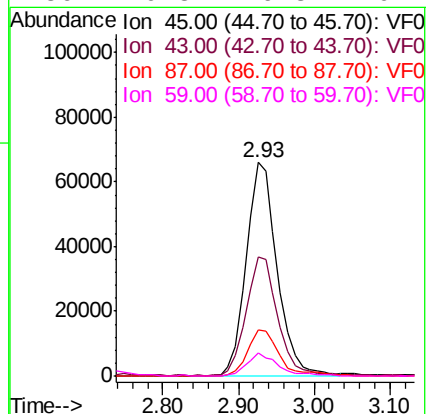
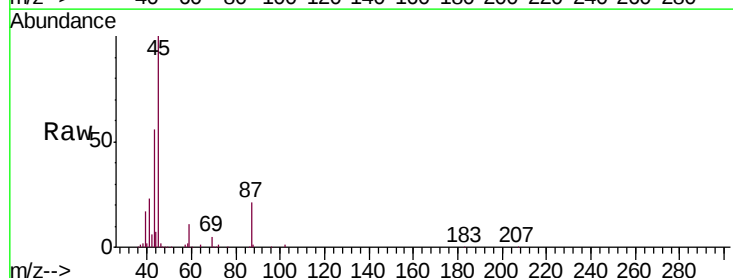
Ion Ratio Lower Upper

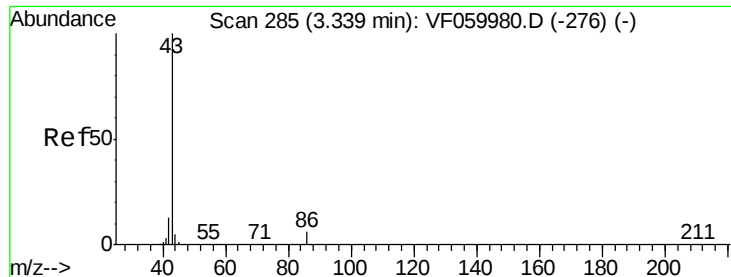
45 100

43 55.7 44.8 67.2

87 21.3 14.6 21.8

59 10.8 6.8 10.2#





#23

Vinyl Acetate

Concen: 257.524 ug/l

RT: 3.34 min Scan# 285

Delta R.T. 0.00 min

Lab File: VF059984.D

Acq: 17 Aug 2018 20:51

Instrument :

MSVOA_F

ClientSampleId :

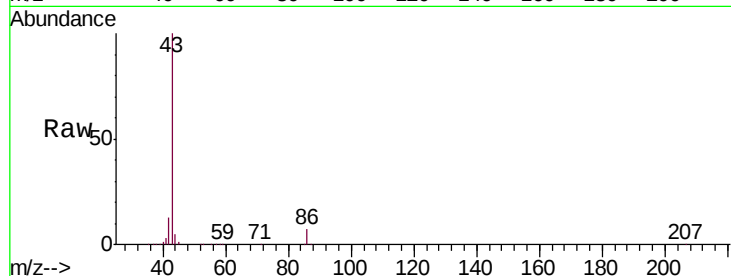
ICVVF081718

Tgt Ion: 43 Resp: 486834

Ion Ratio Lower Upper

43 100

86 6.8 4.4 6.6#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

3.34

200000

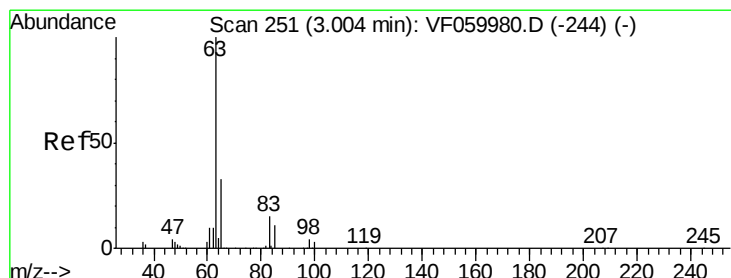
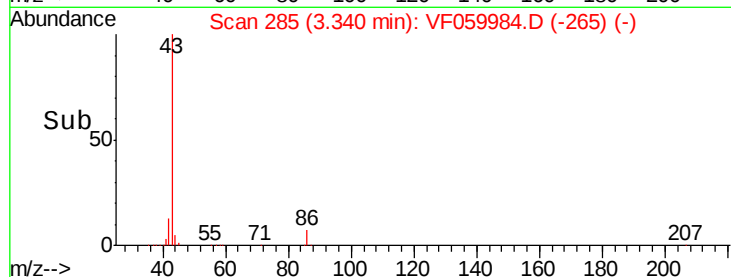
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 44.766 ug/l

RT: 3.00 min Scan# 251

Delta R.T. 0.00 min

Lab File: VF059984.D

Acq: 17 Aug 2018 20:51

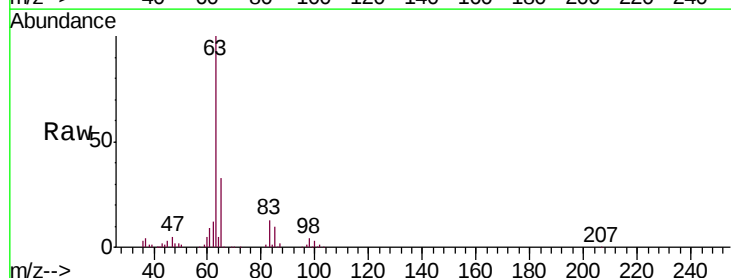
Tgt Ion: 63 Resp: 137853

Ion Ratio Lower Upper

63 100

98 4.1 2.0 5.8

100 2.6 1.4 4.2



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

3.00

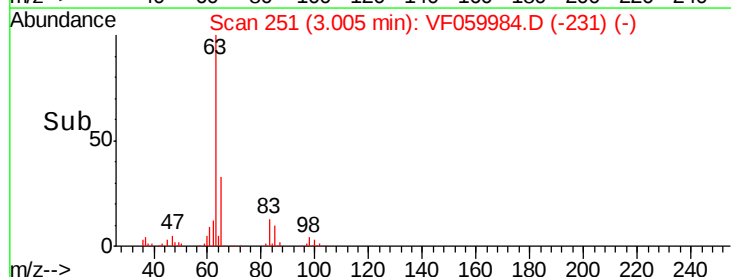
60000

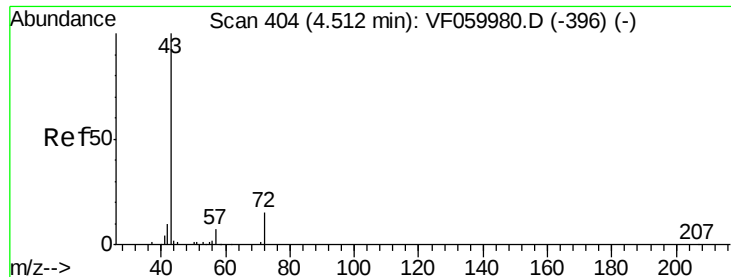
40000

20000

0

Time-->





#25

2-Butanone

Concen: 229.699 ug/l

RT: 4.51 min Scan# 404

Delta R.T. 0.00 min

Lab File: VF059984.D

Acq: 17 Aug 2018 20:51

Instrument :

MSVOA_F

ClientSampleId :

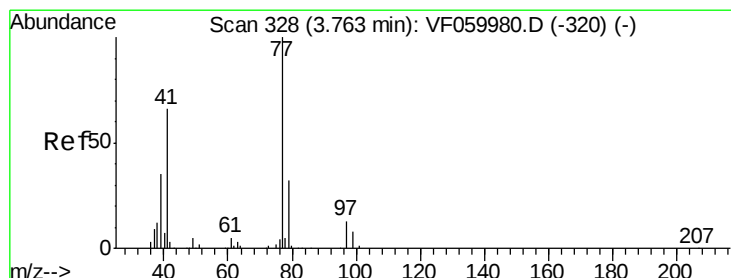
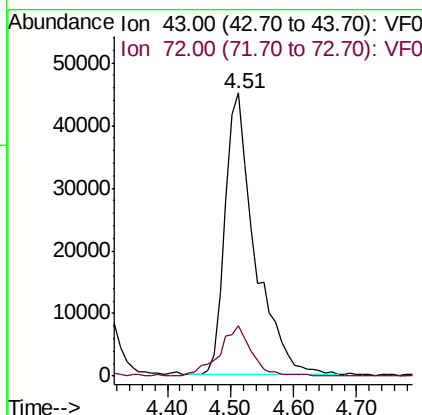
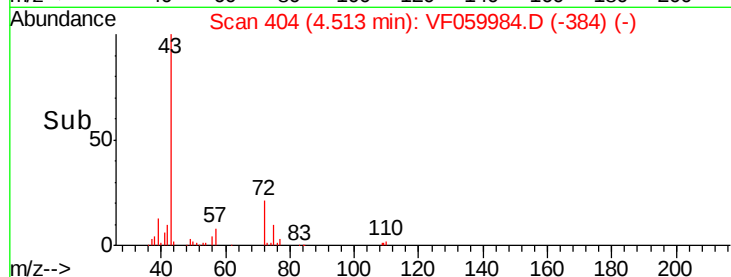
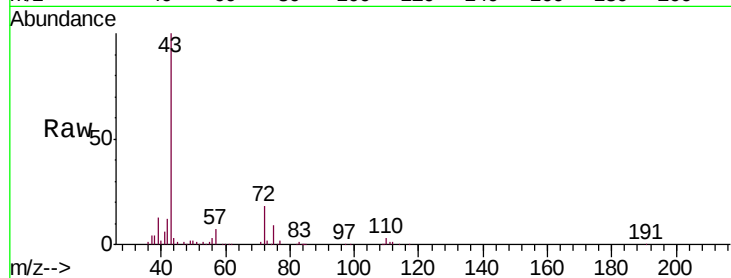
ICVVF081718

Tgt Ion: 43 Resp: 147549

Ion Ratio Lower Upper

43 100

72 17.6 12.5 18.7



#26

2,2-Dichloropropane

Concen: 47.529 ug/l

RT: 3.76 min Scan# 328

Delta R.T. 0.00 min

Lab File: VF059984.D

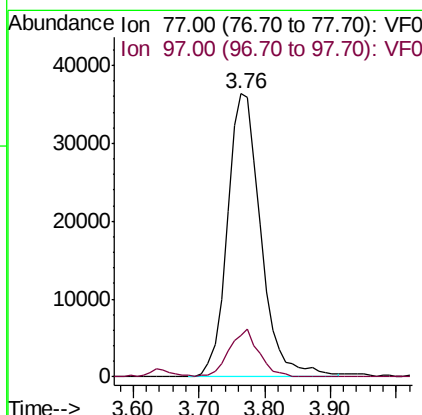
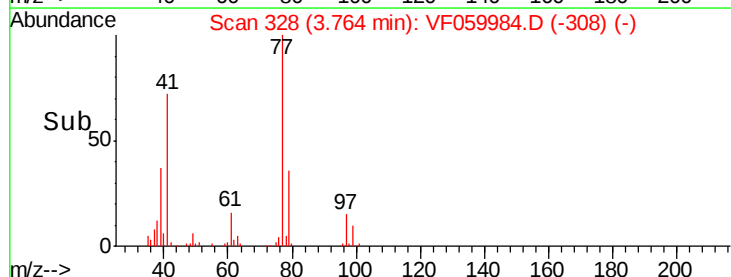
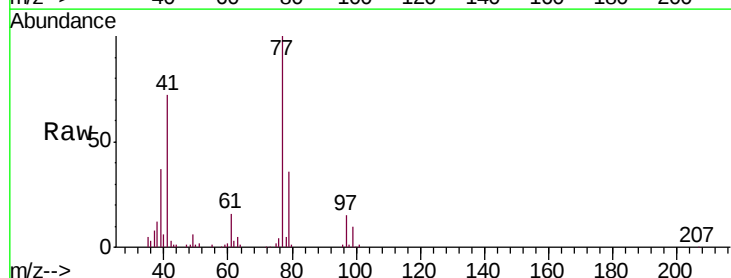
Acq: 17 Aug 2018 20:51

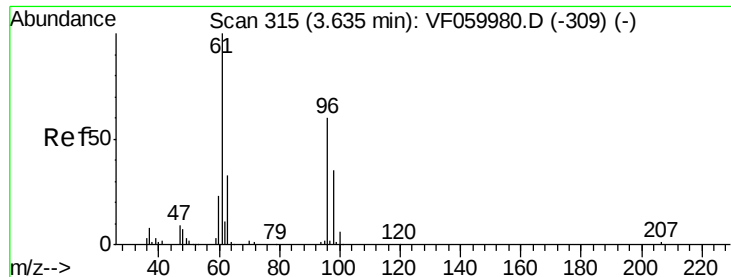
Tgt Ion: 77 Resp: 129654

Ion Ratio Lower Upper

77 100

97 14.6 6.7 20.0



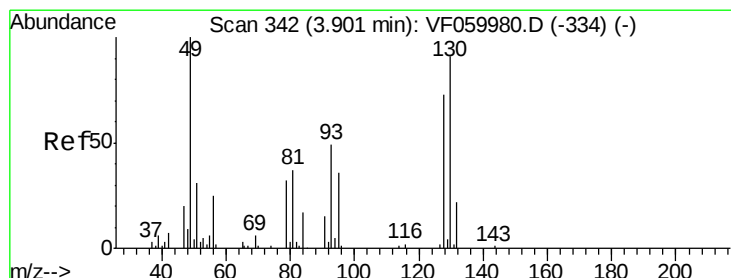
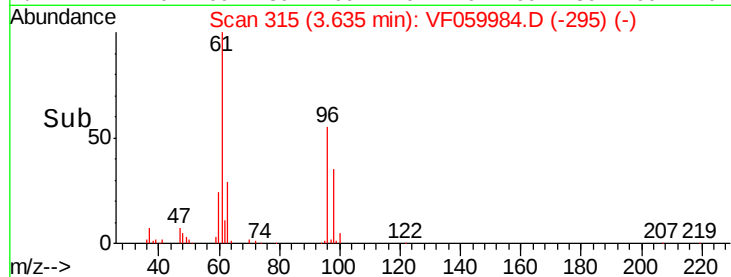
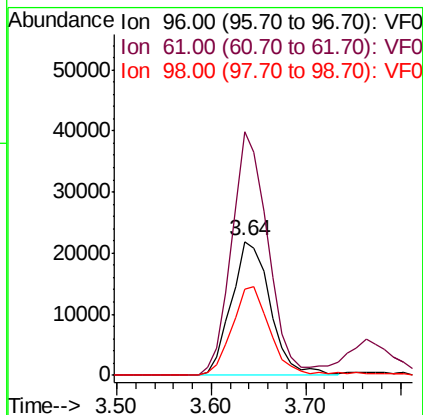
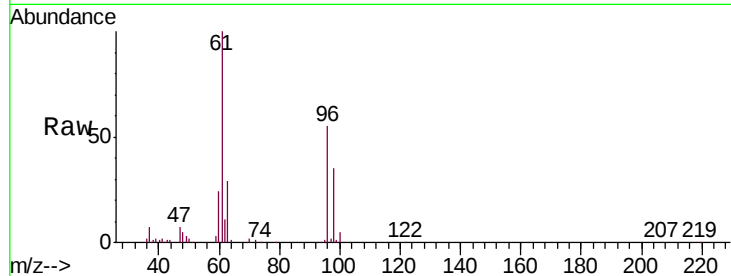


#27

cis-1,2-Dichloroethene
Concen: 49.290 ug/l
RT: 3.64 min Scan# 315
Delta R.T. 0.00 min
Lab File: VF059984.D
Acq: 17 Aug 2018 20:51

Instrument :
MSVOA_F
ClientSampleId :
ICVVF081718

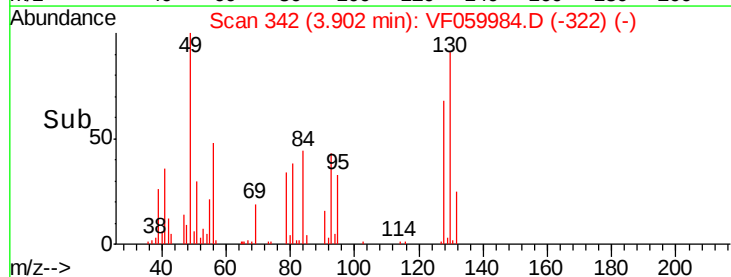
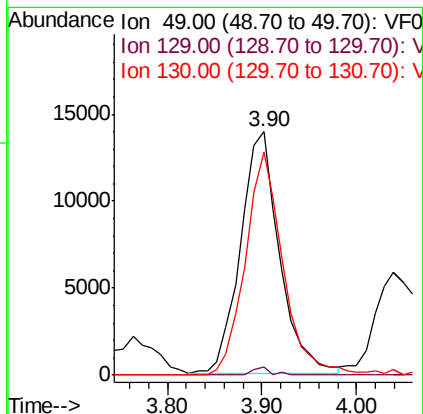
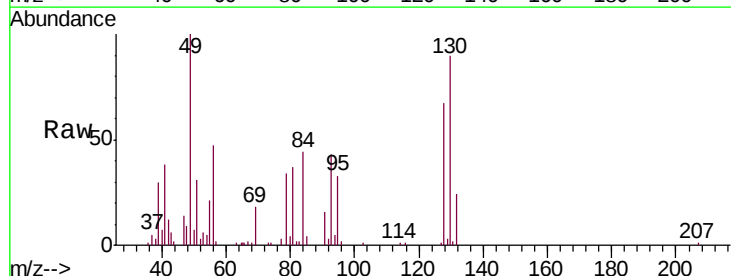
Tgt Ion: 96 Resp: 62605
Ion Ratio Lower Upper
96 100
61 182.0 0.0 335.0
98 64.0 0.0 117.2

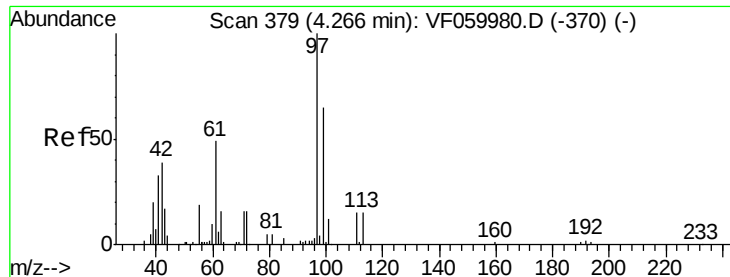


#28

Bromochloromethane
Concen: 44.916 ug/l
RT: 3.90 min Scan# 342
Delta R.T. 0.00 min
Lab File: VF059984.D
Acq: 17 Aug 2018 20:51

Tgt Ion: 49 Resp: 39685
Ion Ratio Lower Upper
49 100
129 3.2 0.0 7.6
130 91.9 71.3 106.9





#29

Tetrahydrofuran

Concen: 243.239 ug/l

RT: 4.25 min Scan# 377

Delta R.T. -0.02 min

Lab File: VF059984.D

Acq: 17 Aug 2018 20:51

Instrument :

MSVOA_F

ClientSampleId :

ICVVF081718

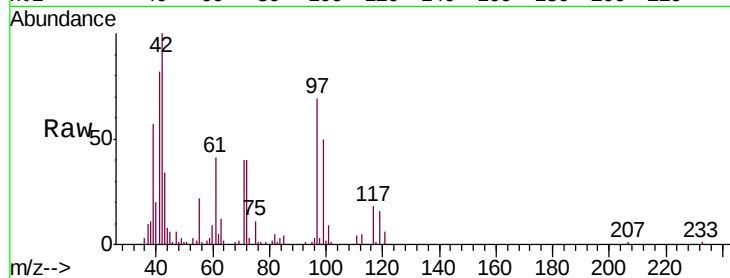
Tgt Ion: 42 Resp: 55763

Ion Ratio Lower Upper

42 100

72 35.9 29.8 44.6

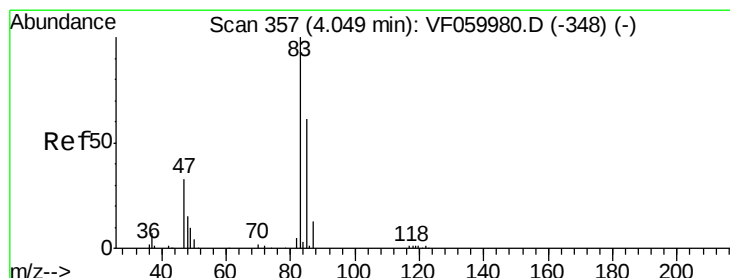
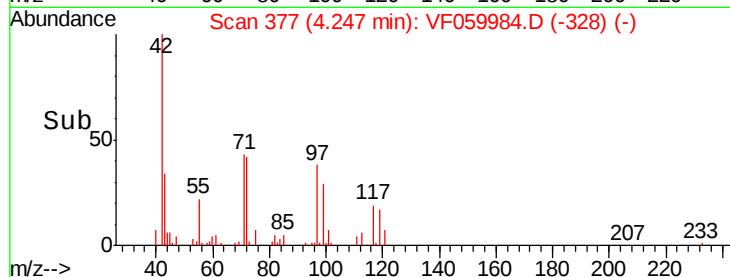
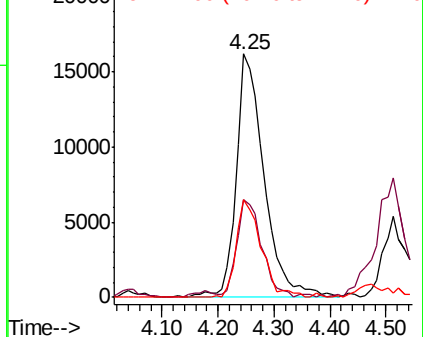
71 35.8 29.0 43.4



Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0



#30

Chloroform

Concen: 48.397 ug/l

RT: 4.04 min Scan# 356

Delta R.T. -0.01 min

Lab File: VF059984.D

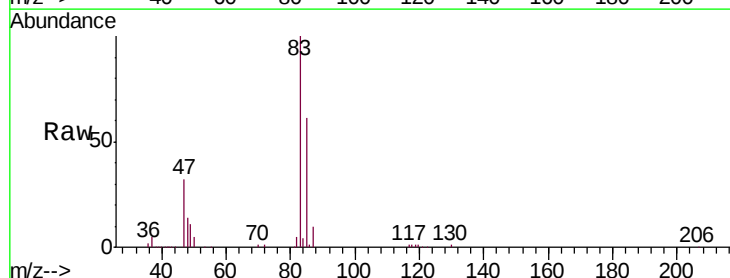
Acq: 17 Aug 2018 20:51

Tgt Ion: 83 Resp: 172302

Ion Ratio Lower Upper

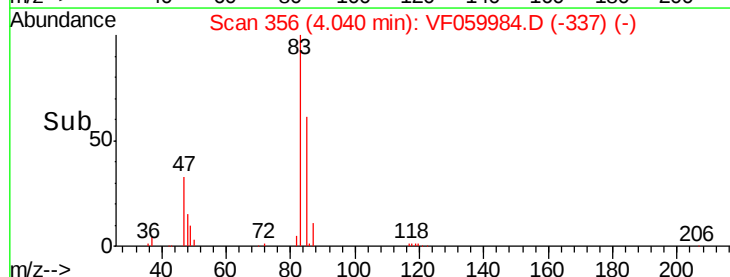
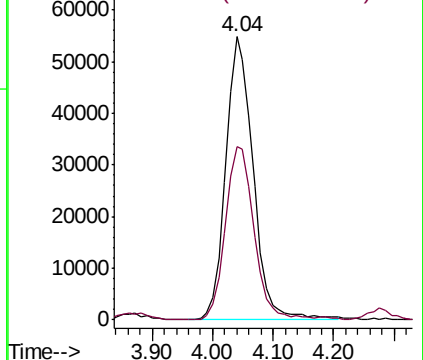
83 100

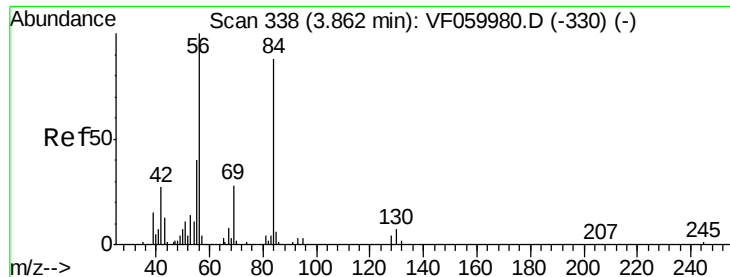
85 61.0 48.8 73.2



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

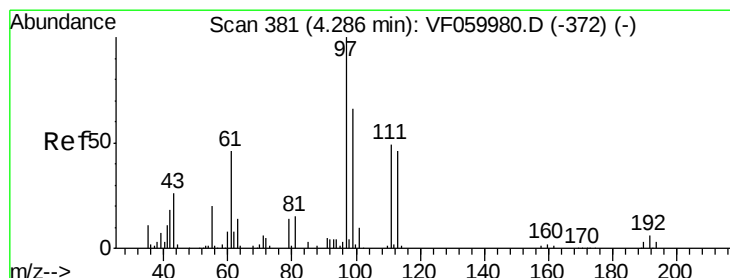
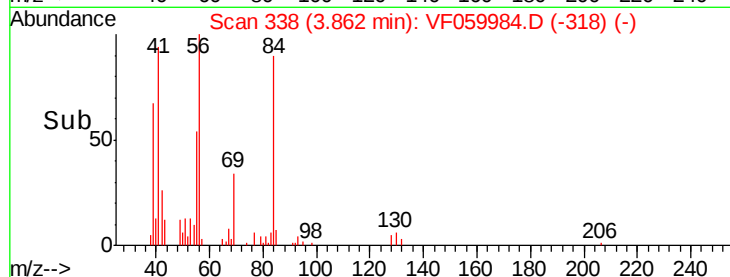
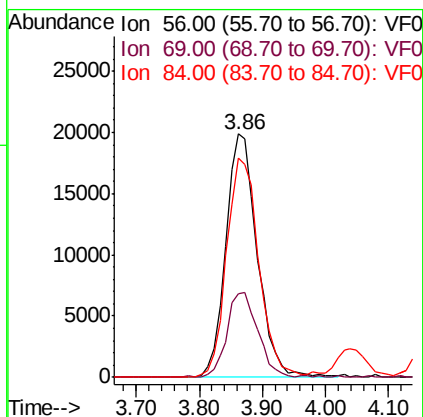
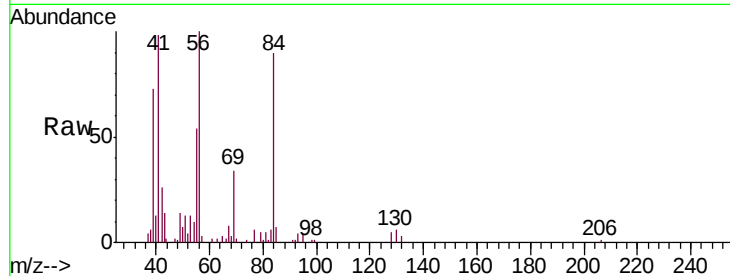




#31
Cyclohexane
Concen: 48.642 ug/l
RT: 3.86 min Scan# 338
Delta R.T. 0.00 min
Lab File: VF059984.D
Acq: 17 Aug 2018 20:51

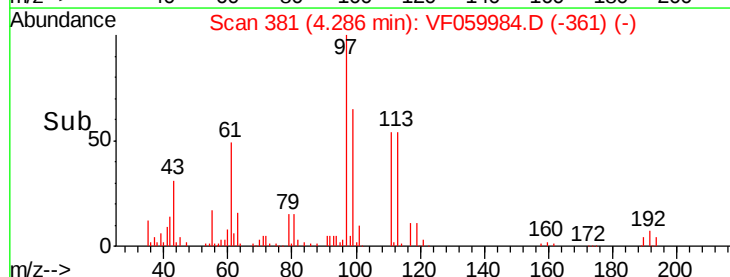
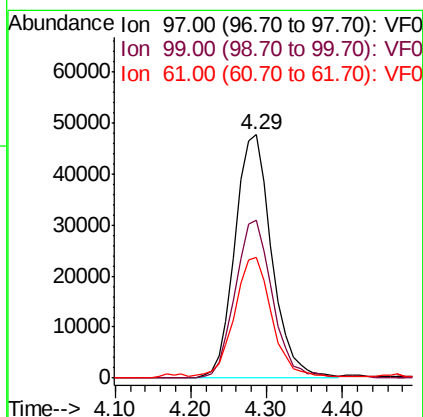
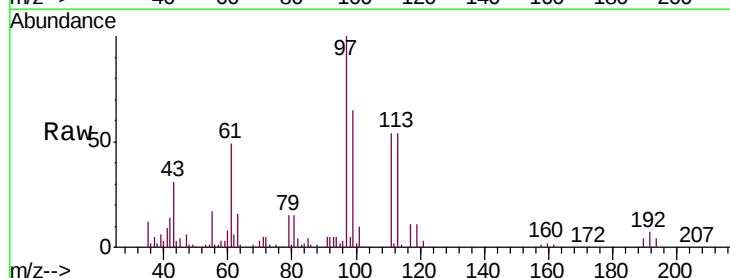
Instrument :
MSVOA_F
ClientSampleId :
ICVVF081718

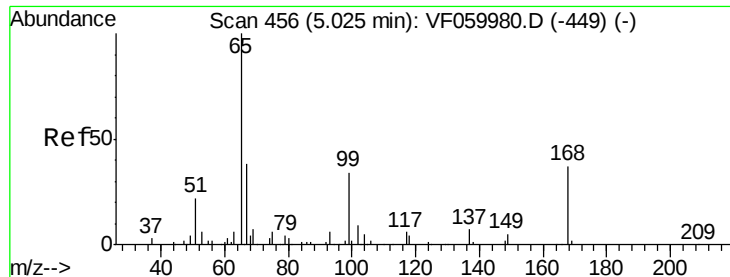
Tgt Ion: 56 Resp: 68569
Ion Ratio Lower Upper
56 100
69 34.2 22.8 34.2#
84 89.8 70.7 106.1



#32
1,1,1-Trichloroethane
Concen: 46.502 ug/l
RT: 4.29 min Scan# 381
Delta R.T. 0.00 min
Lab File: VF059984.D
Acq: 17 Aug 2018 20:51

Tgt Ion: 97 Resp: 161565
Ion Ratio Lower Upper
97 100
99 65.0 53.1 79.7
61 49.3 38.2 57.2

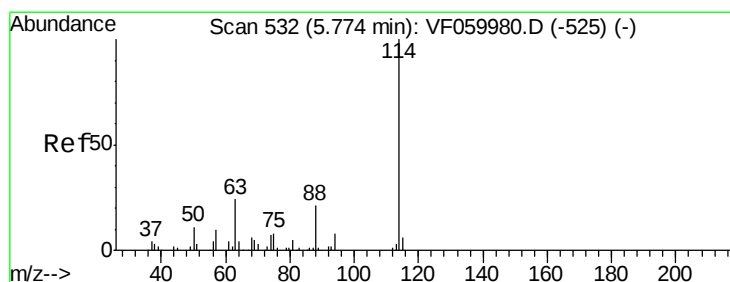
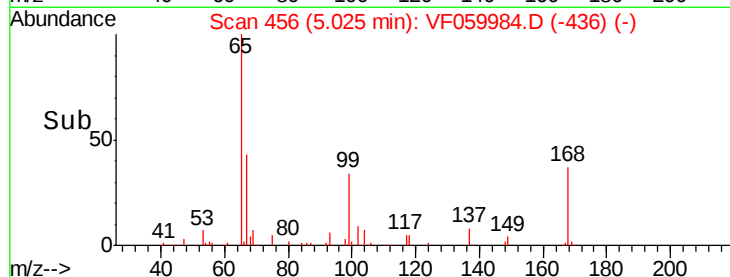
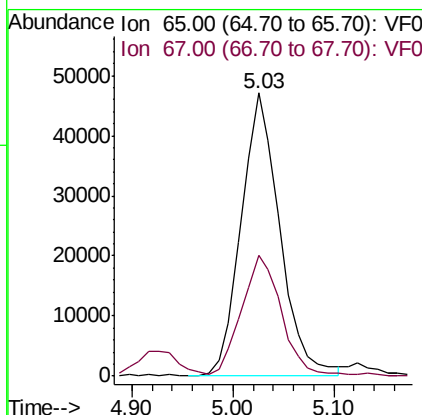
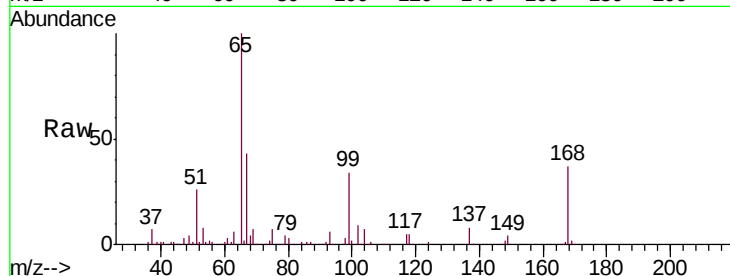




#33
 1,2-Dichloroethane-d4
 Concen: 47.408 ug/l
 RT: 5.03 min Scan# 456
 Delta R.T. 0.00 min
 Lab File: VF059984.D
 Acq: 17 Aug 2018 20:51

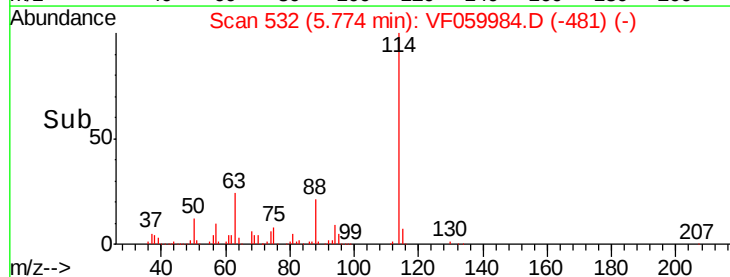
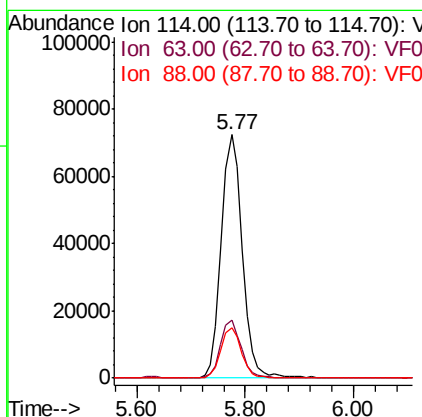
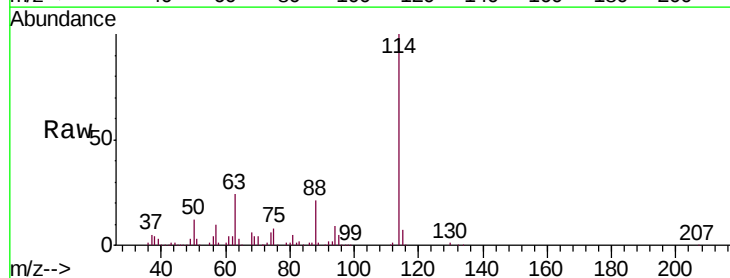
Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF081718

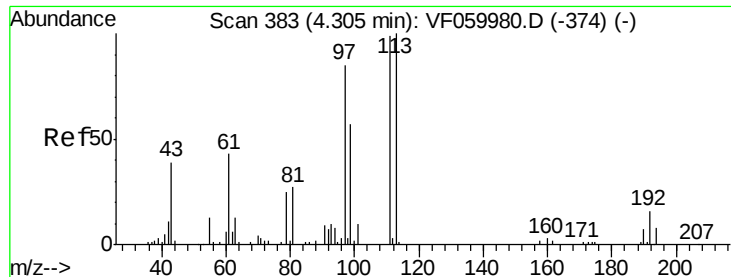
Tgt Ion: 65 Resp: 125971
 Ion Ratio Lower Upper
 65 100
 67 42.8 0.0 82.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.77 min Scan# 532
 Delta R.T. 0.00 min
 Lab File: VF059984.D
 Acq: 17 Aug 2018 20:51

Tgt Ion: 114 Resp: 196619
 Ion Ratio Lower Upper
 114 100
 63 24.0 0.0 48.6
 88 20.8 0.0 42.8

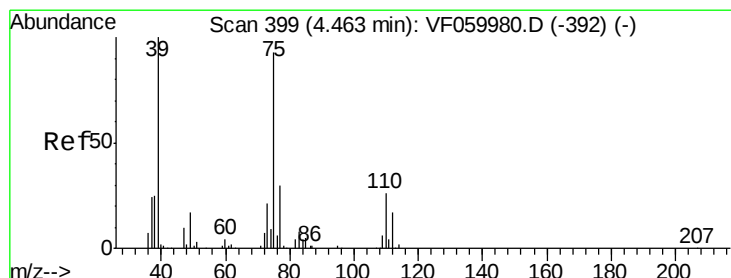
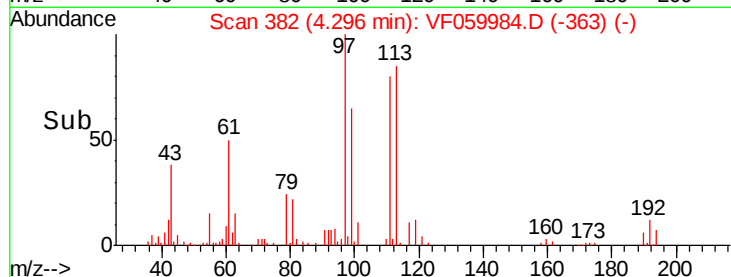
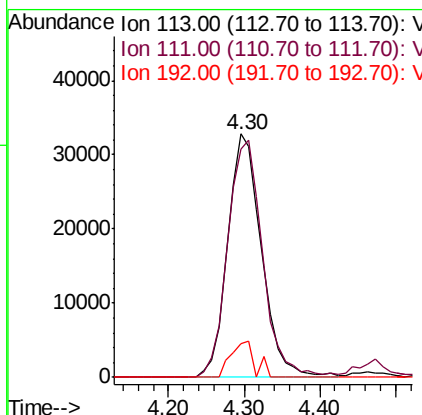
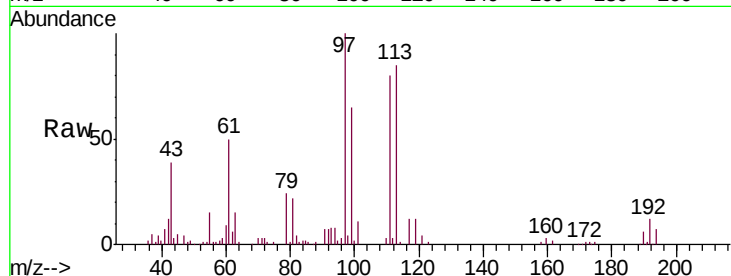




#35
 Dibromofluoromethane
 Concen: 50.478 ug/l
 RT: 4.30 min Scan# 382
 Delta R.T. -0.01 min
 Lab File: VF059984.D
 Acq: 17 Aug 2018 20:51

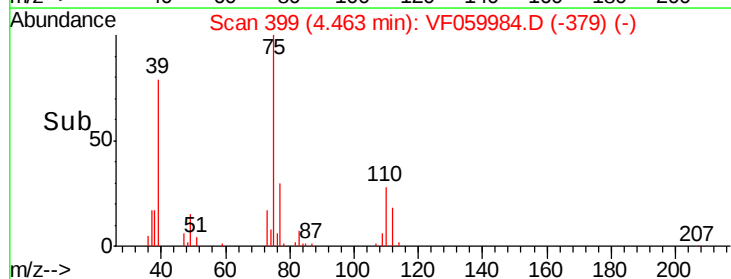
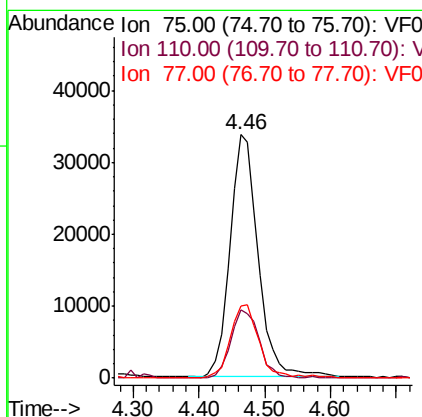
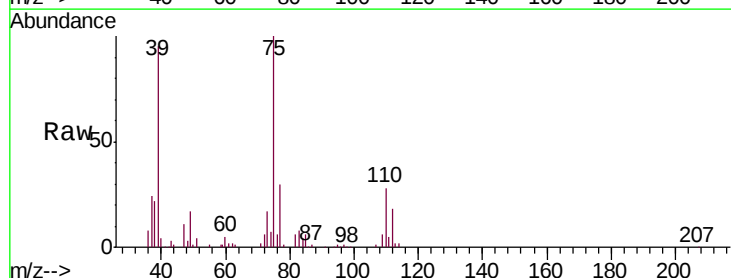
Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF081718

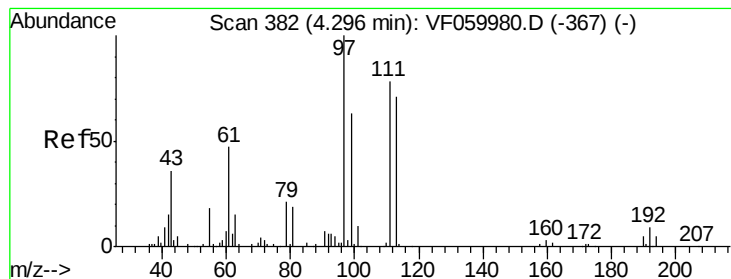
Tgt Ion:113 Resp: 101435
 Ion Ratio Lower Upper
 113 100
 111 94.0 79.5 119.3
 192 14.0 12.4 18.6



#36
 1,1-Dichloropropene
 Concen: 45.141 ug/l
 RT: 4.46 min Scan# 399
 Delta R.T. 0.00 min
 Lab File: VF059984.D
 Acq: 17 Aug 2018 20:51

Tgt Ion: 75 Resp: 101090
 Ion Ratio Lower Upper
 75 100
 110 27.8 13.8 41.4
 77 29.7 25.8 38.8





#37

Ethyl Acetate

Concen: 45.725 ug/l

RT: 4.30 min Scan# 382

Delta R.T. 0.00 min

Lab File: VF059984.D

Acq: 17 Aug 2018 20:51

Instrument :

MSVOA_F

ClientSampleId :

ICVVF081718

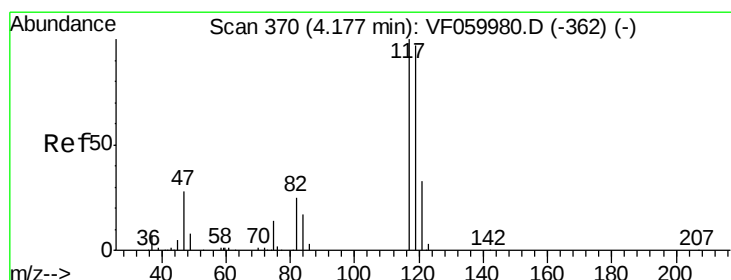
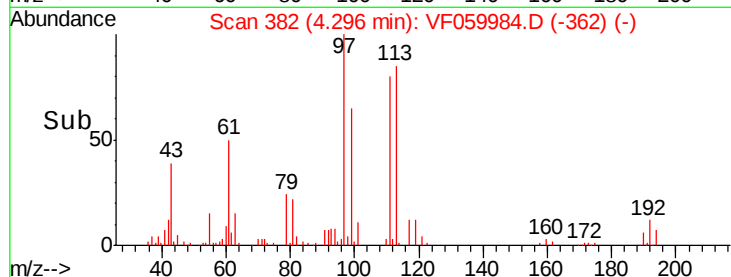
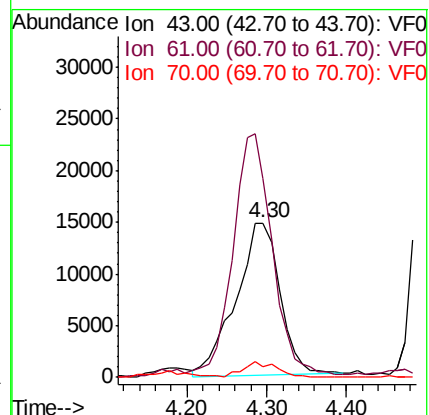
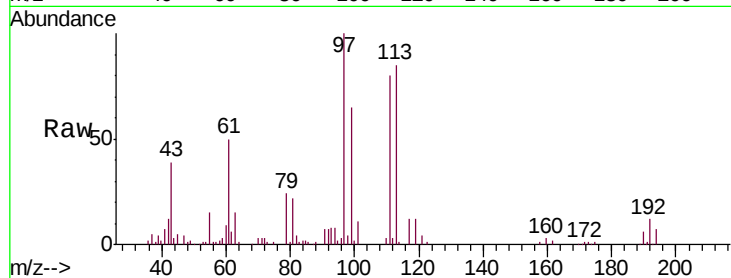
Tgt Ion: 43 Resp: 56600

Ion Ratio Lower Upper

43 100

61 128.7 104.5 156.7

70 7.0 5.9 8.9



#38

Carbon Tetrachloride

Concen: 46.392 ug/l

RT: 4.18 min Scan# 370

Delta R.T. 0.00 min

Lab File: VF059984.D

Acq: 17 Aug 2018 20:51

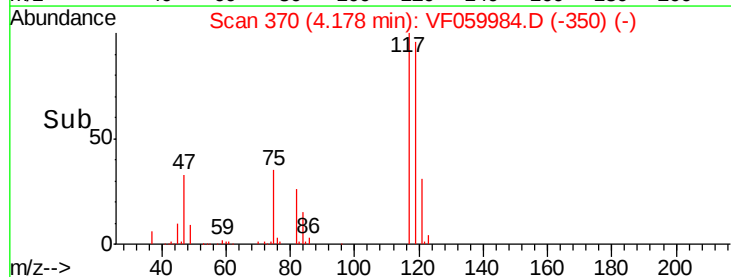
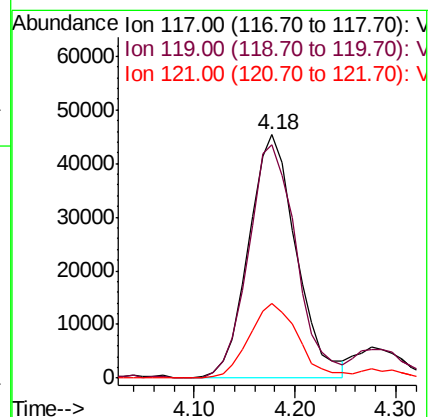
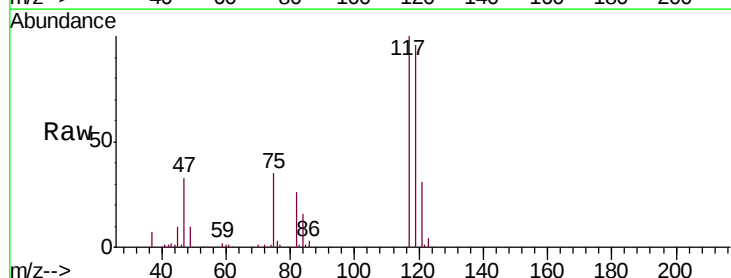
Tgt Ion: 117 Resp: 149012

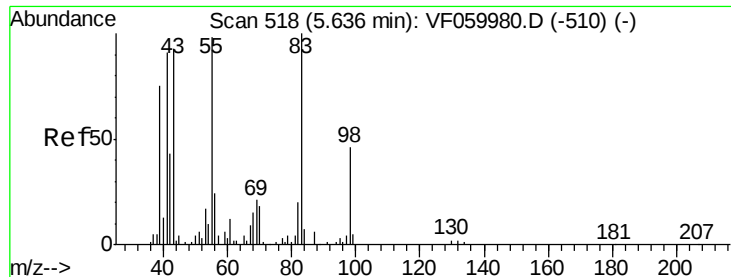
Ion Ratio Lower Upper

117 100

119 96.0 77.8 116.6

121 30.8 26.0 39.0

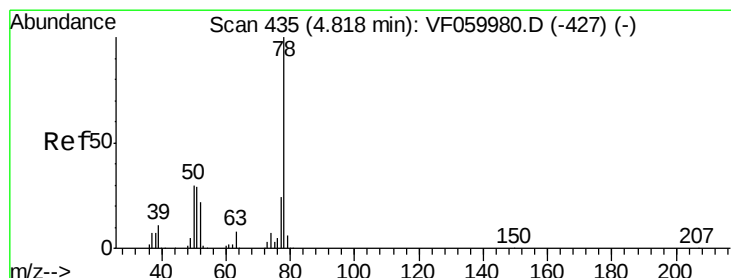
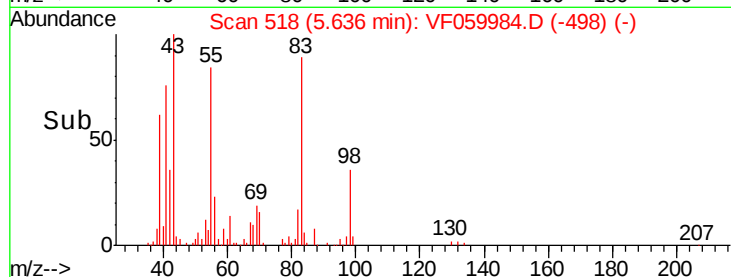
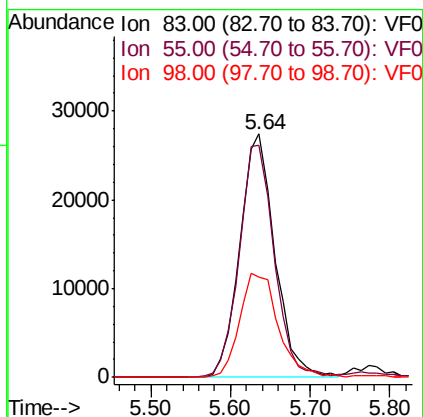
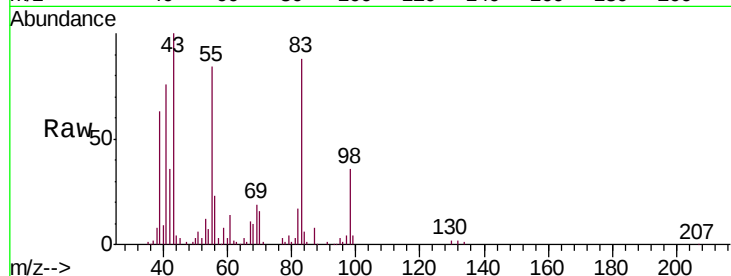




#39
Methylcyclohexane
Concen: 49.488 ug/l
RT: 5.64 min Scan# 518
Delta R.T. 0.00 min
Lab File: VF059984.D
Acq: 17 Aug 2018 20:51

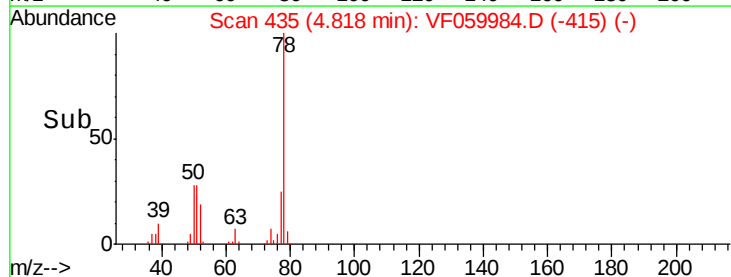
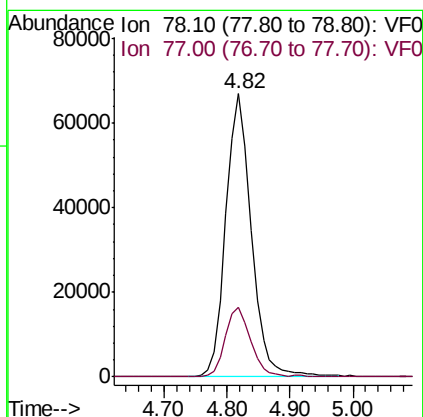
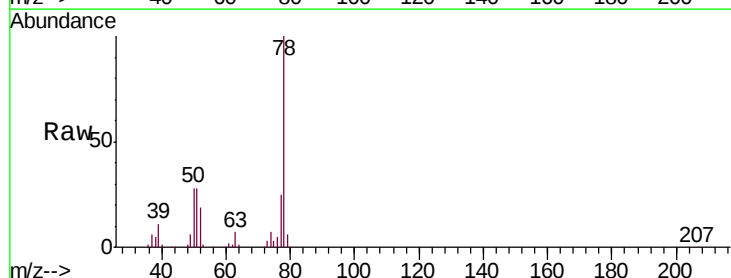
Instrument :
MSVOA_F
ClientSampleId :
ICVVF081718

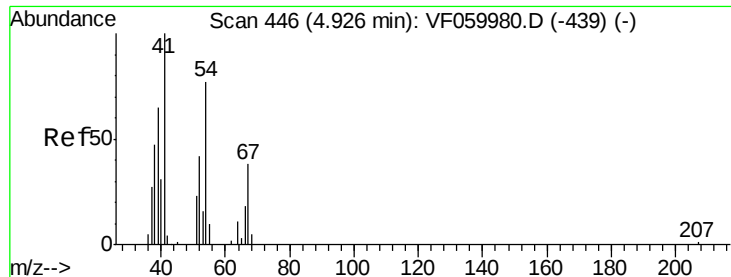
Tgt Ion: 83 Resp: 83137
Ion Ratio Lower Upper
83 100
55 95.3 78.8 118.2
98 41.1 36.8 55.2



#40
Benzene
Concen: 49.683 ug/l
RT: 4.82 min Scan# 435
Delta R.T. 0.00 min
Lab File: VF059984.D
Acq: 17 Aug 2018 20:51

Tgt Ion: 78 Resp: 188310
Ion Ratio Lower Upper
78 100
77 24.6 19.1 28.7





#41

Methacrylonitrile

Concen: 49.261 ug/l

RT: 4.93 min Scan# 446

Delta R.T. 0.00 min

Lab File: VF059984.D

Acq: 17 Aug 2018 20:51

Instrument :

MSVOA_F

ClientSampleId :

ICVVF081718

Tgt Ion: 41 Resp: 29194

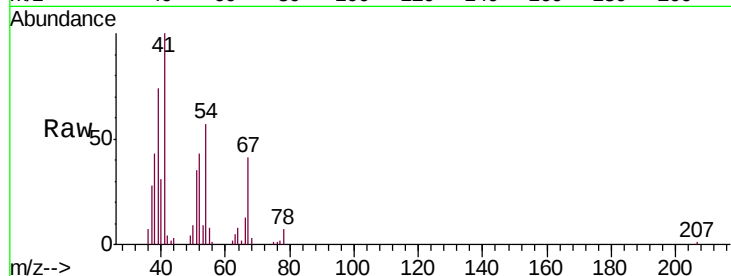
Ion Ratio Lower Upper

41 100

39 73.8 62.9 94.3

67 41.3 30.4 45.6

52 42.6 47.8 71.8#

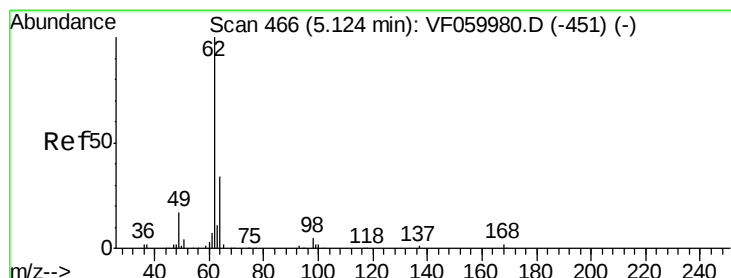
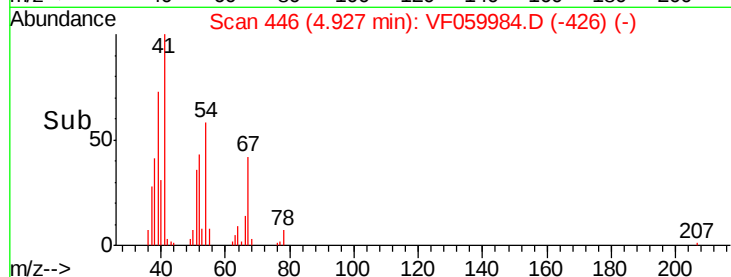
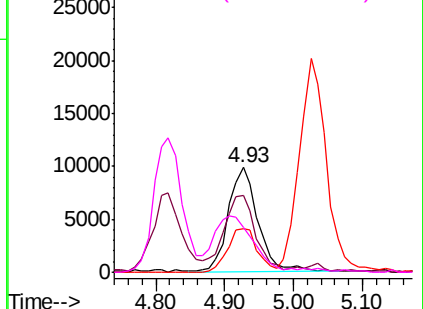


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#42

1,2-Dichloroethane

Concen: 43.596 ug/l

RT: 5.12 min Scan# 466

Delta R.T. 0.00 min

Lab File: VF059984.D

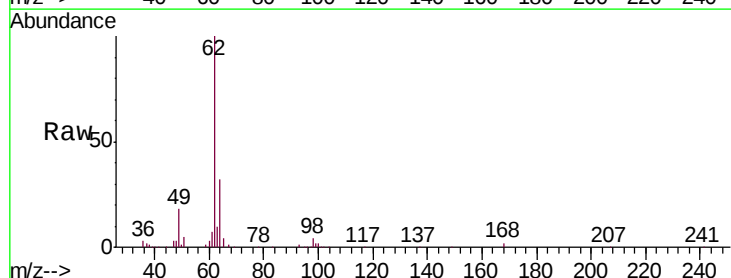
Acq: 17 Aug 2018 20:51

Tgt Ion: 62 Resp: 140153

Ion Ratio Lower Upper

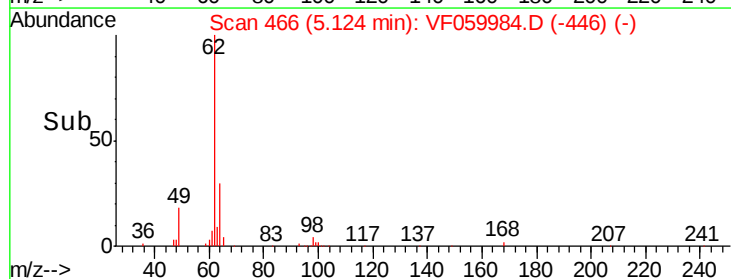
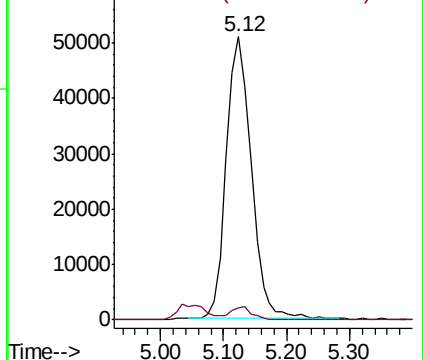
62 100

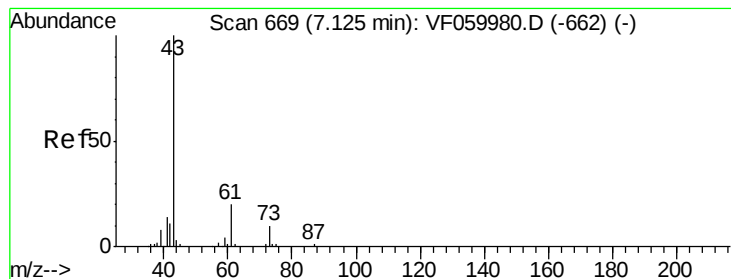
98 4.5 0.0 9.0



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#43

Isopropyl Acetate

Concen: 47.705 ug/l

RT: 7.11 min Scan# 668

Delta R.T. -0.01 min

Lab File: VF059984.D

Acq: 17 Aug 2018 20:51

Instrument :

MSVOA_F

ClientSampleId :

ICVVF081718

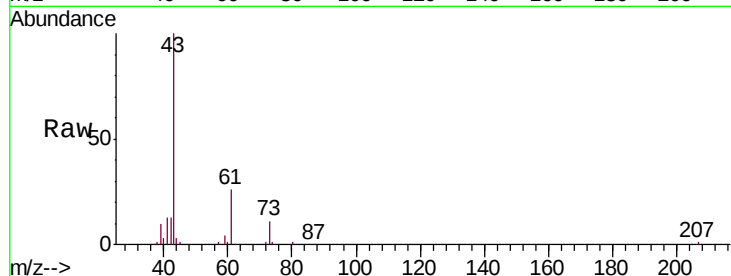
Tgt Ion: 43 Resp: 64995

Ion Ratio Lower Upper

43 100

61 26.3 15.8 23.8#

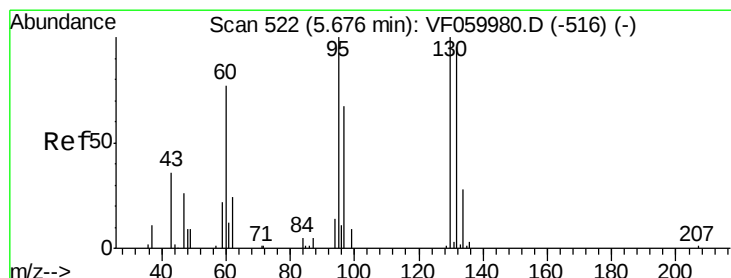
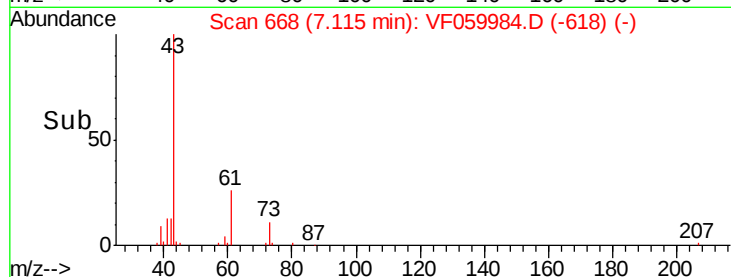
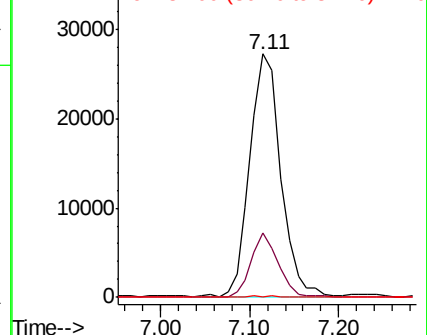
87 0.4 0.6 0.8#



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: 46.951 ug/l

RT: 5.69 min Scan# 523

Delta R.T. 0.01 min

Lab File: VF059984.D

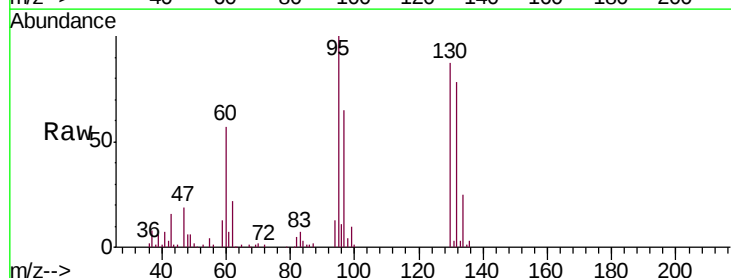
Acq: 17 Aug 2018 20:51

Tgt Ion: 130 Resp: 69456

Ion Ratio Lower Upper

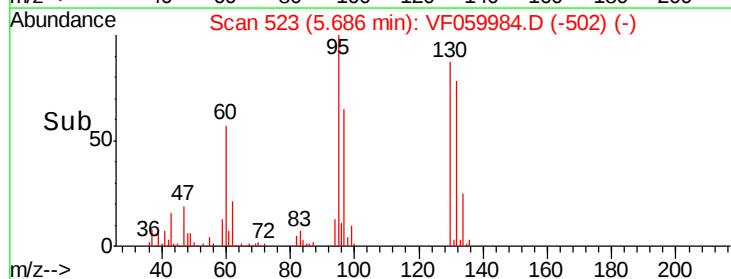
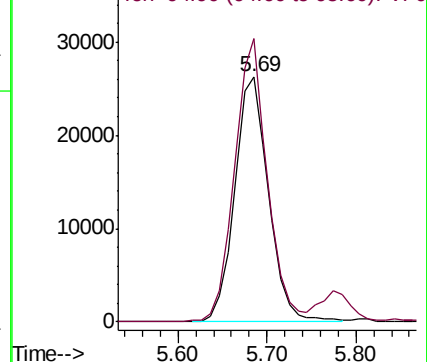
130 100

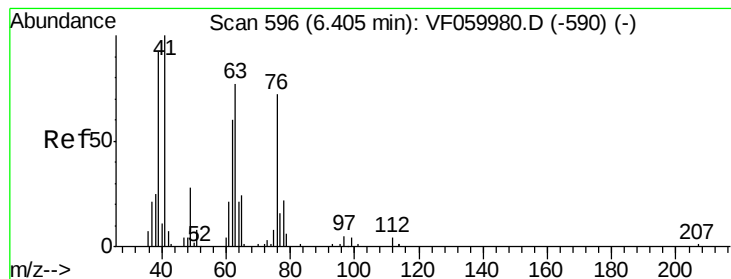
95 115.5 0.0 201.8



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 48.838 ug/l

RT: 6.42 min Scan# 597

Delta R.T. 0.01 min

Lab File: VF059984.D

Acq: 17 Aug 2018 20:51

Instrument :

MSVOA_F

ClientSampleId :

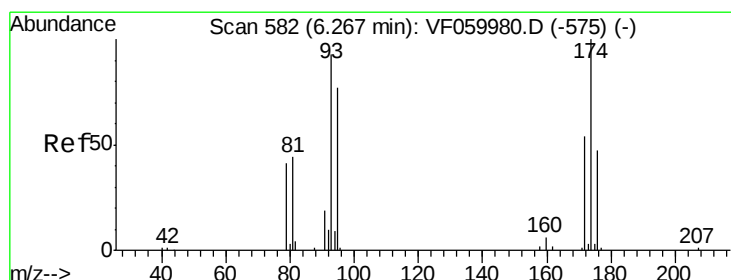
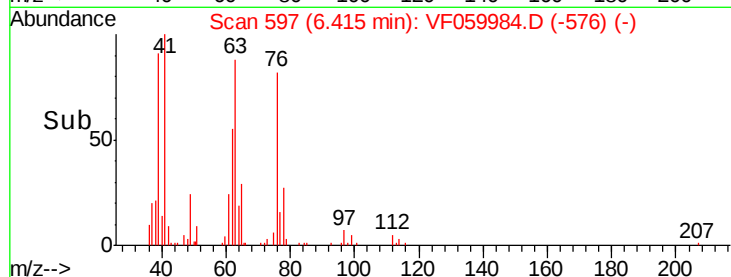
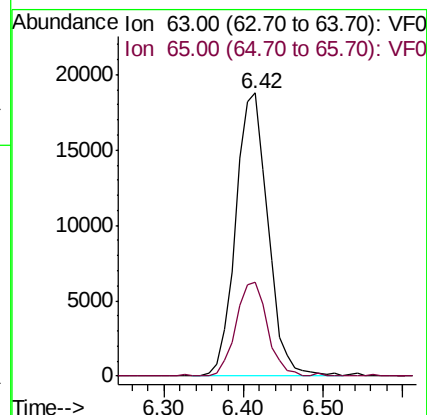
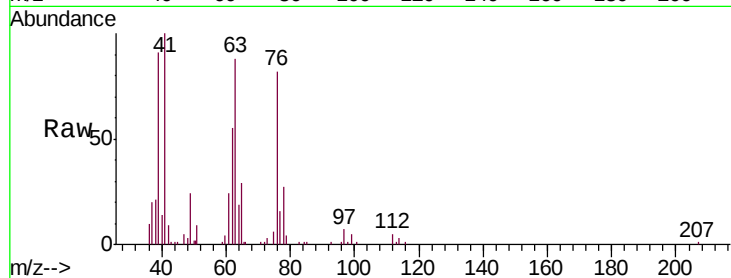
ICVVF081718

Tgt Ion: 63 Resp: 52958

Ion Ratio Lower Upper

63 100

65 33.8 25.0 37.6



#46

Dibromomethane

Concen: 47.276 ug/l

RT: 6.26 min Scan# 581

Delta R.T. -0.01 min

Lab File: VF059984.D

Acq: 17 Aug 2018 20:51

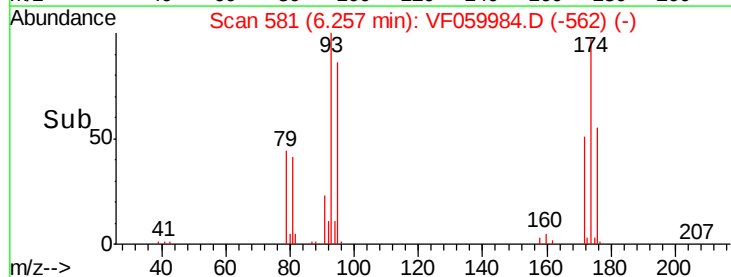
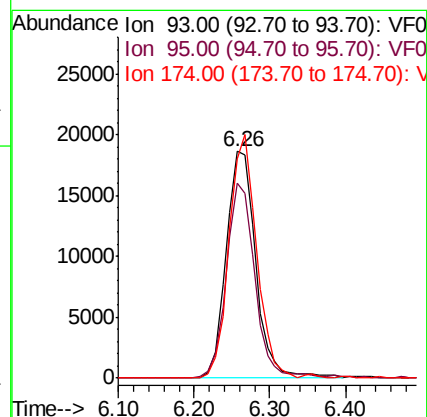
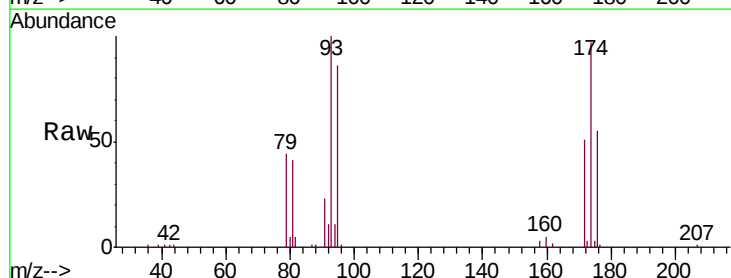
Tgt Ion: 93 Resp: 50556

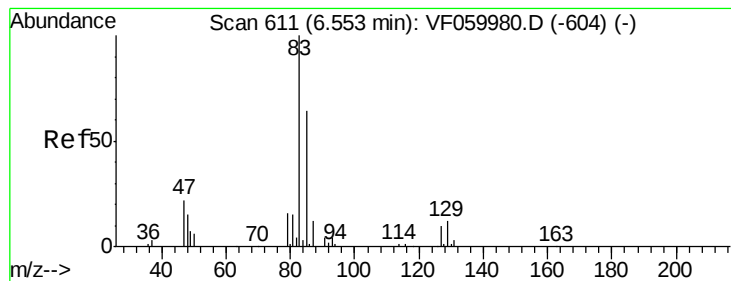
Ion Ratio Lower Upper

93 100

95 85.9 67.0 100.4

174 96.7 85.7 128.5





#47

Bromodichloromethane

Concen: 46.619 ug/l

RT: 6.55 min Scan# 611

Delta R.T. 0.00 min

Lab File: VF059984.D

Acq: 17 Aug 2018 20:51

Instrument :

MSVOA_F

ClientSampleId :

ICVVF081718

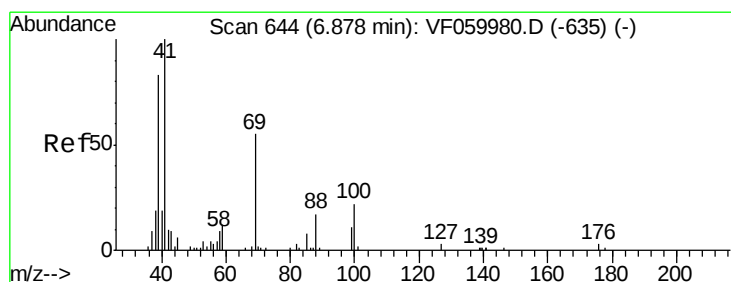
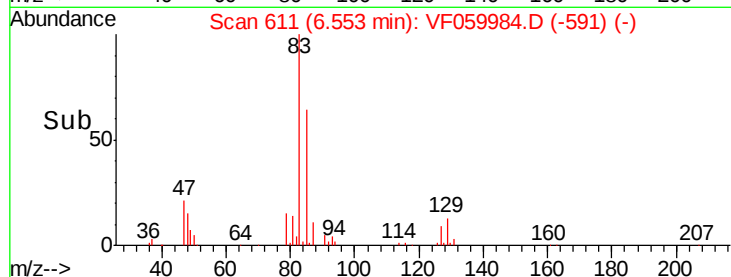
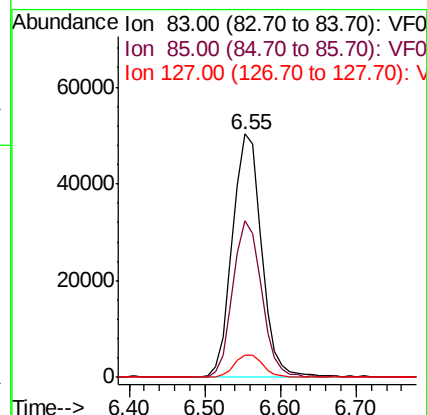
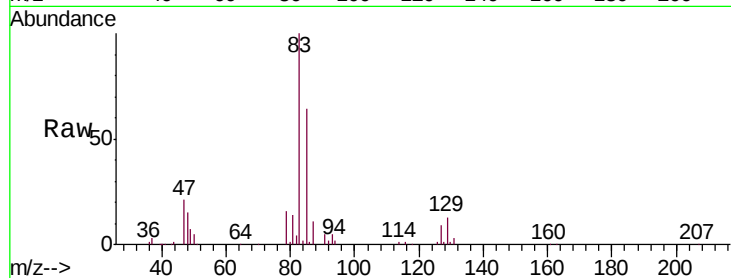
Tgt Ion: 83 Resp: 134586

Ion Ratio Lower Upper

83 100

85 64.5 51.4 77.0

127 9.1 8.2 12.2



#48

Methyl methacrylate

Concen: 48.010 ug/l

RT: 6.88 min Scan# 644

Delta R.T. 0.00 min

Lab File: VF059984.D

Acq: 17 Aug 2018 20:51

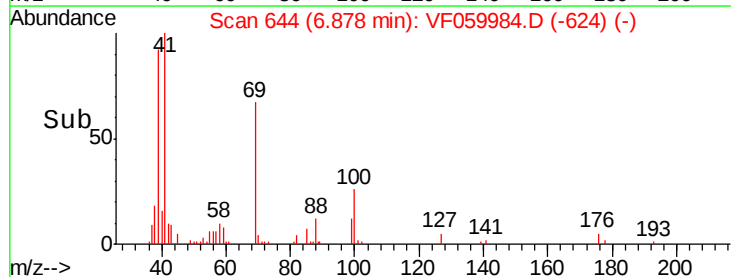
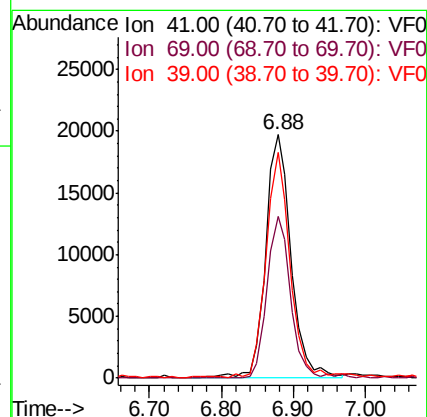
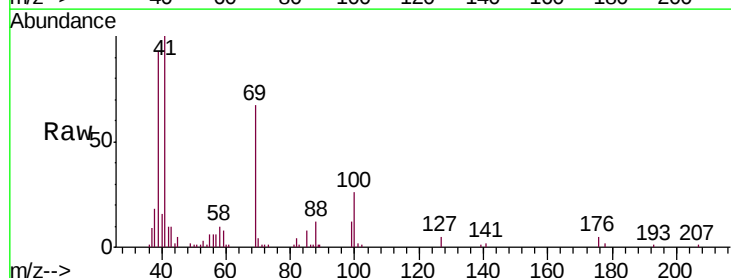
Tgt Ion: 41 Resp: 48685

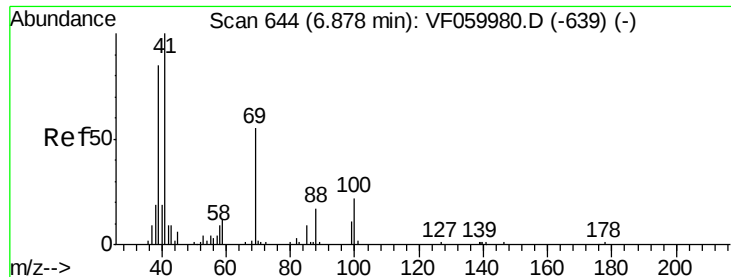
Ion Ratio Lower Upper

41 100

69 66.7 44.4 66.6#

39 92.8 67.8 101.6

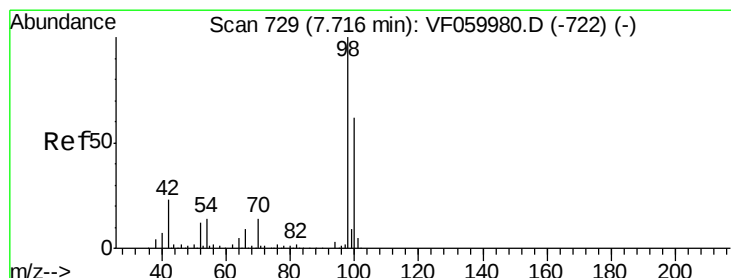
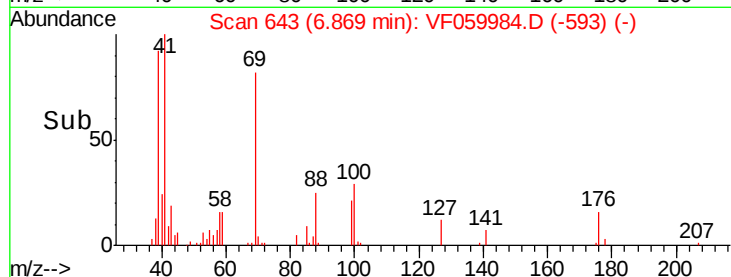
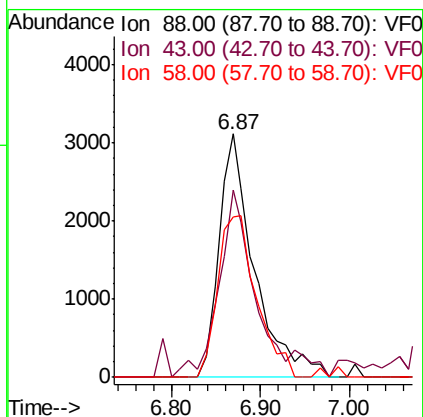
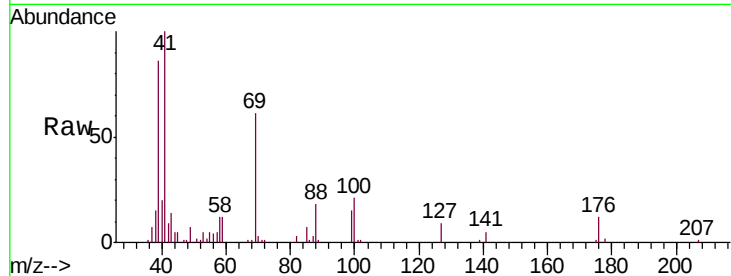




#49
 1,4-Dioxane
 Concen: 967.818 ug/l
 RT: 6.87 min Scan# 643
 Delta R.T. -0.01 min
 Lab File: VF059984.D
 Acq: 17 Aug 2018 20:51

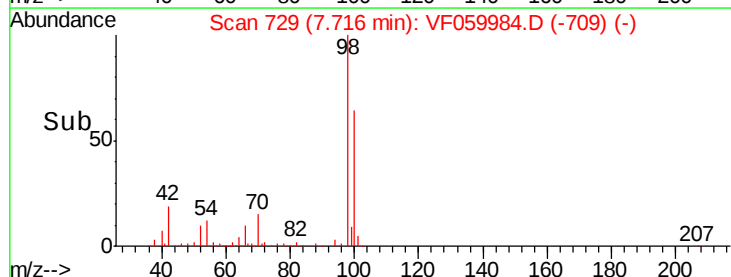
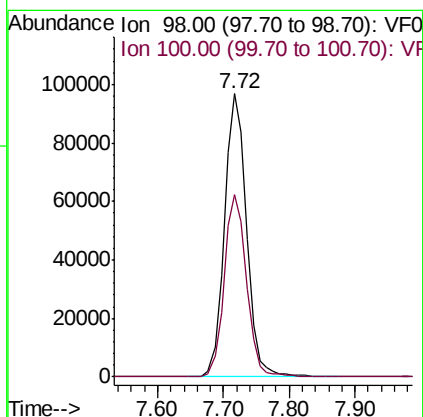
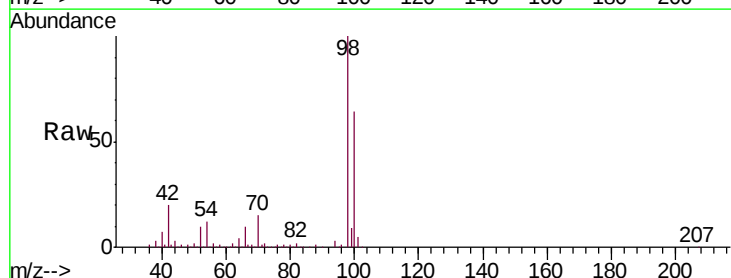
Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF081718

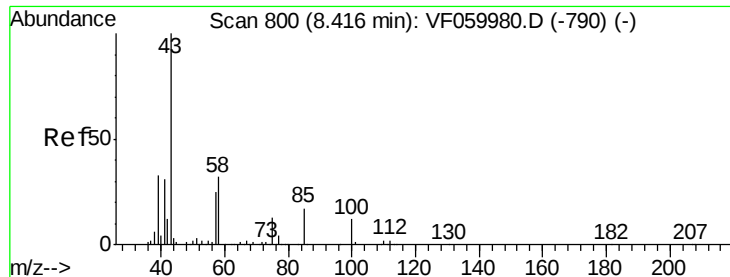
Tgt Ion: 88 Resp: 8596
 Ion Ratio Lower Upper
 88 100
 43 77.2 43.2 64.8#
 58 65.6 42.0 63.0#



#50
 Toluene-d8
 Concen: 50.956 ug/l
 RT: 7.72 min Scan# 729
 Delta R.T. 0.00 min
 Lab File: VF059984.D
 Acq: 17 Aug 2018 20:51

Tgt Ion: 98 Resp: 227707
 Ion Ratio Lower Upper
 98 100
 100 64.2 49.8 74.8

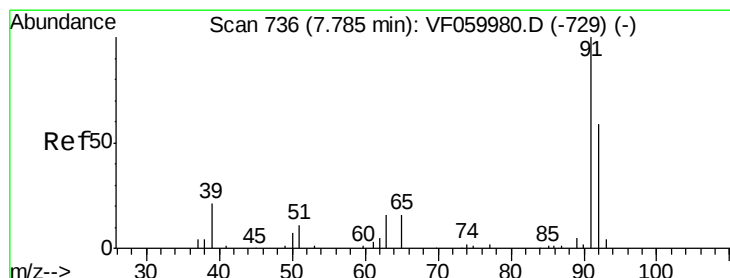
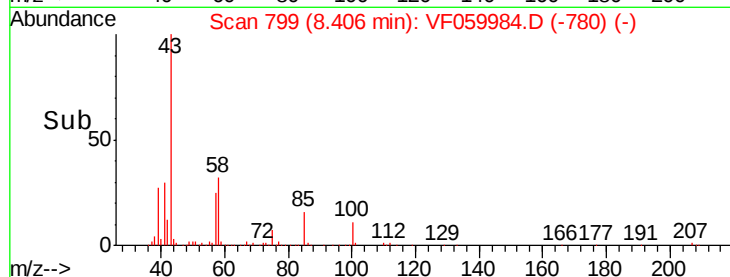
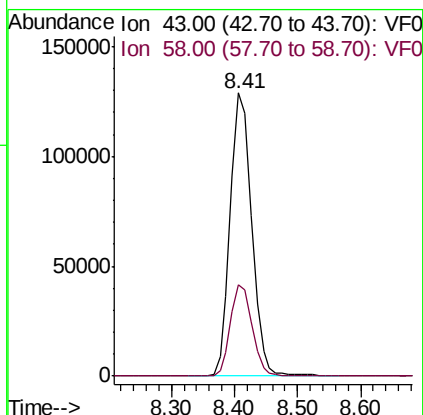
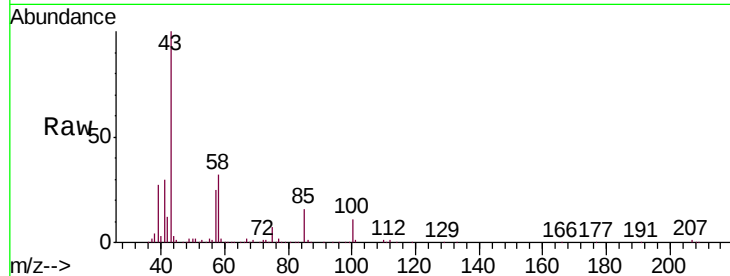




#51
 4-Methyl-2-Pentanone
 Concen: 239.645 ug/l
 RT: 8.41 min Scan# 799
 Delta R.T. -0.01 min
 Lab File: VF059984.D
 Acq: 17 Aug 2018 20:51

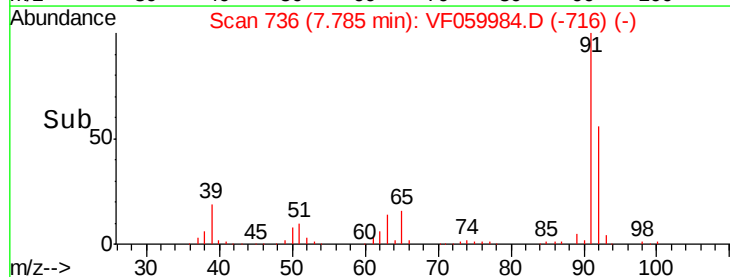
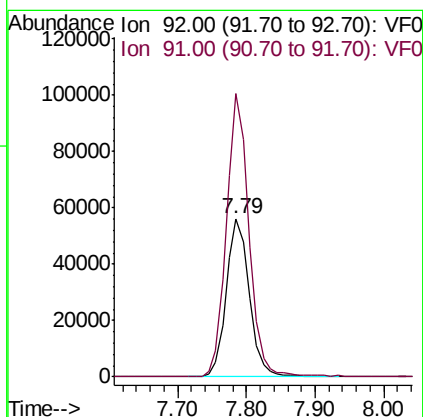
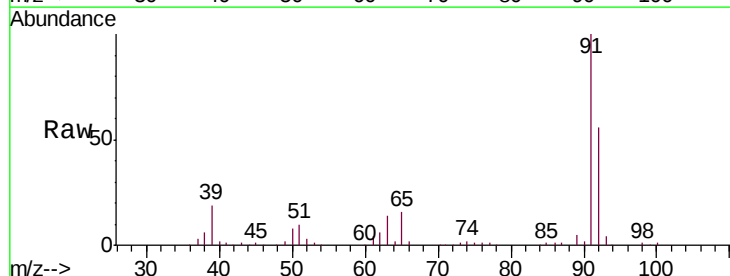
Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF081718

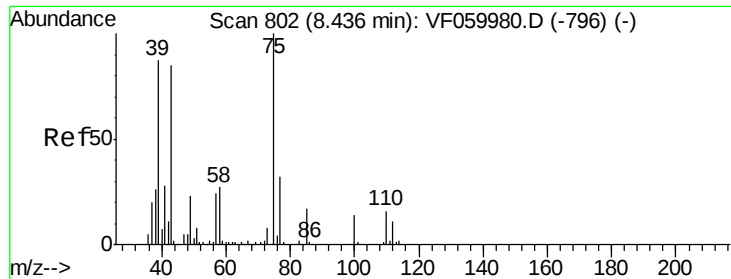
Tgt Ion: 43 Resp: 304989
 Ion Ratio Lower Upper
 43 100
 58 32.3 25.6 38.4



#52
 Toluene
 Concen: 46.041 ug/l
 RT: 7.79 min Scan# 736
 Delta R.T. 0.00 min
 Lab File: VF059984.D
 Acq: 17 Aug 2018 20:51

Tgt Ion: 92 Resp: 130615
 Ion Ratio Lower Upper
 92 100
 91 178.6 136.5 204.7





#53

t-1,3-Dichloropropene

Concen: 46.333 ug/l

RT: 8.44 min Scan# 802

Delta R.T. 0.00 min

Lab File: VF059984.D

Acq: 17 Aug 2018 20:51

Instrument :

MSVOA_F

ClientSampleId :

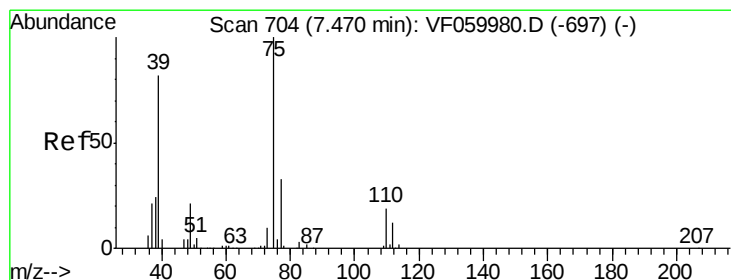
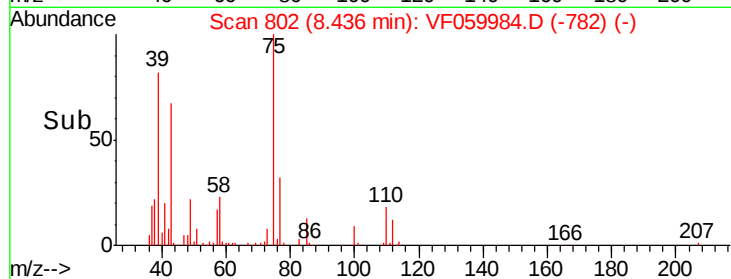
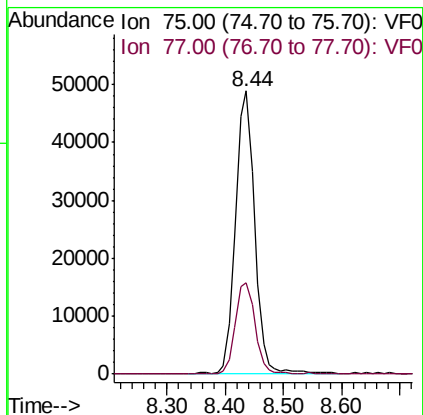
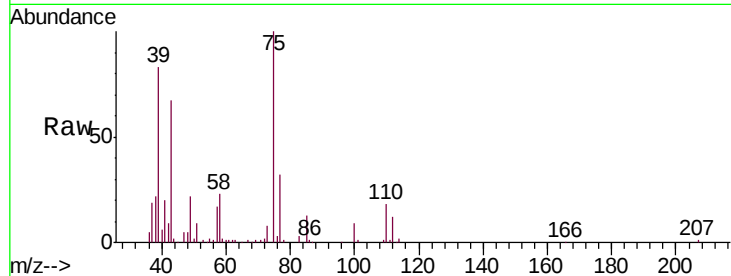
ICVVF081718

Tgt Ion: 75 Resp: 112825

Ion Ratio Lower Upper

75 100

77 32.4 25.8 38.6



#54

cis-1,3-Dichloropropene

Concen: 48.838 ug/l

RT: 7.47 min Scan# 704

Delta R.T. 0.00 min

Lab File: VF059984.D

Acq: 17 Aug 2018 20:51

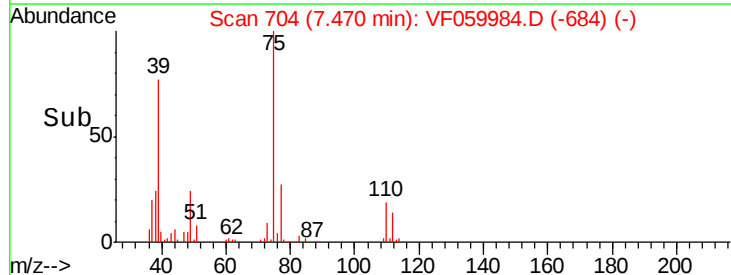
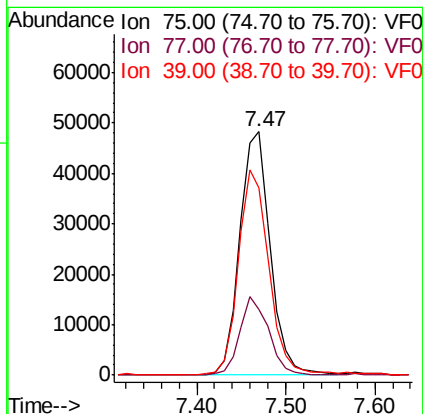
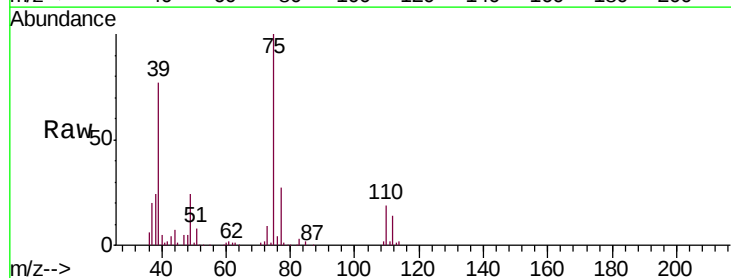
Tgt Ion: 75 Resp: 114814

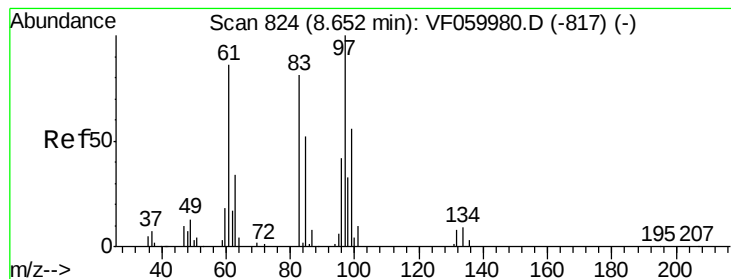
Ion Ratio Lower Upper

75 100

77 27.2 26.0 39.0

39 76.8 65.3 97.9





#55

1,1,2-Trichloroethane

Concen: 48.436 ug/l

RT: 8.64 min Scan# 823

Delta R.T. -0.01 min

Lab File: VF059984.D

Acq: 17 Aug 2018 20:51

Instrument :

MSVOA_F

ClientSampleId :

ICVVF081718

Tgt Ion: 97 Resp: 55128

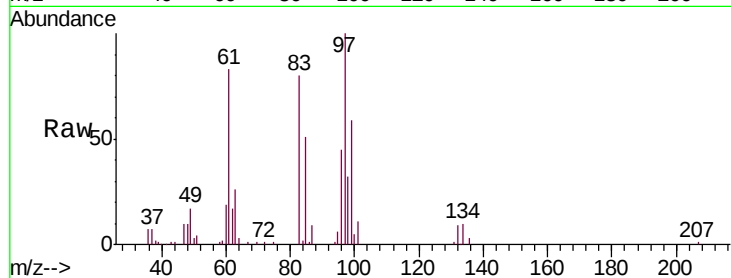
Ion Ratio Lower Upper

97 100

83 79.7 64.9 97.3

85 51.1 41.8 62.6

99 59.1 45.2 67.8

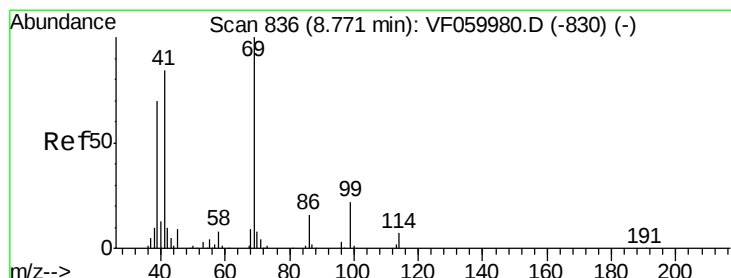
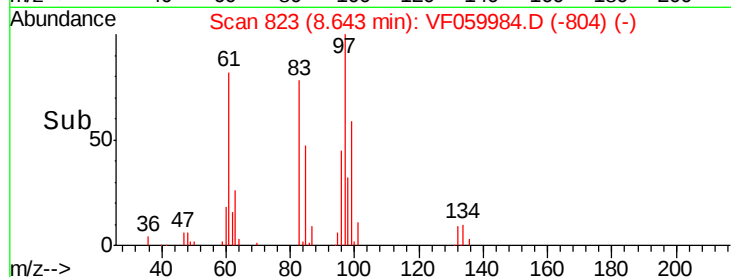
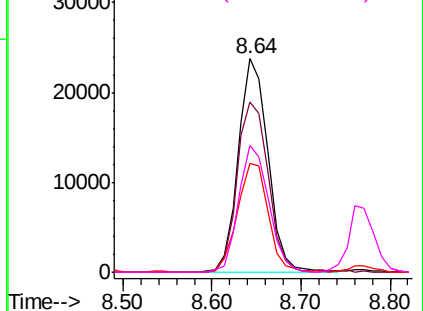


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 50.307 ug/l

RT: 8.77 min Scan# 836

Delta R.T. 0.00 min

Lab File: VF059984.D

Acq: 17 Aug 2018 20:51

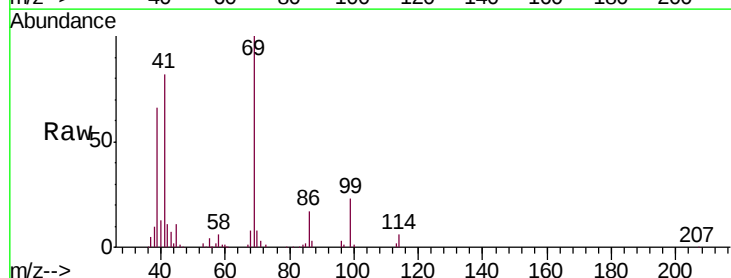
Tgt Ion: 69 Resp: 66336

Ion Ratio Lower Upper

69 100

41 81.5 67.8 101.6

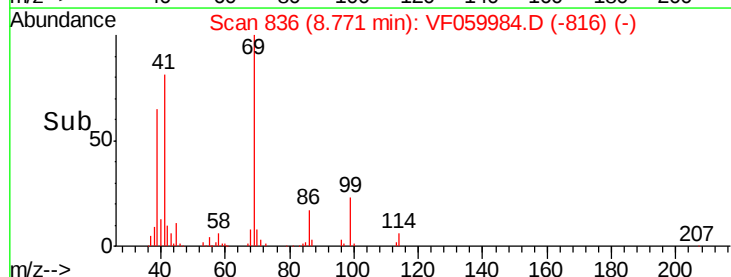
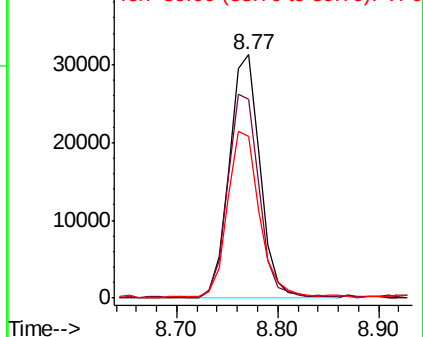
39 66.3 55.8 83.6

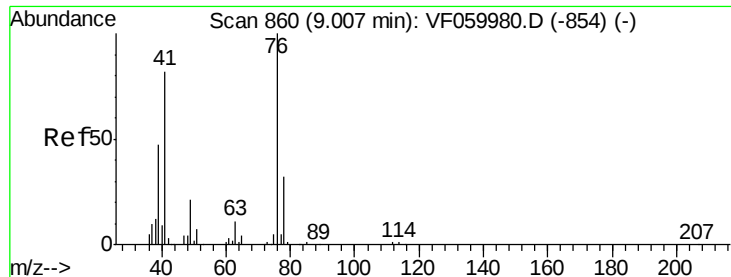


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 48.466 ug/l

RT: 9.01 min Scan# 860

Delta R.T. 0.00 min

Lab File: VF059984.D

Acq: 17 Aug 2018 20:51

Instrument :

MSVOA_F

ClientSampleId :

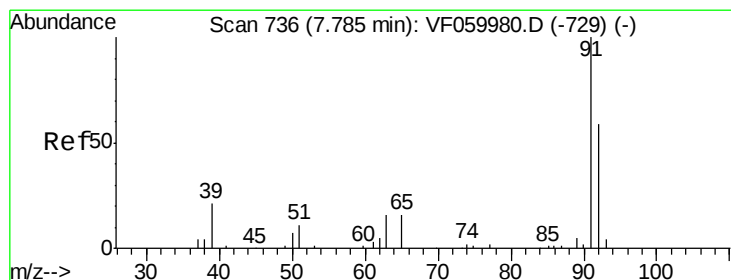
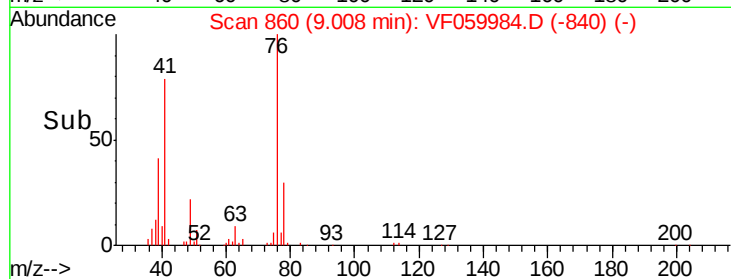
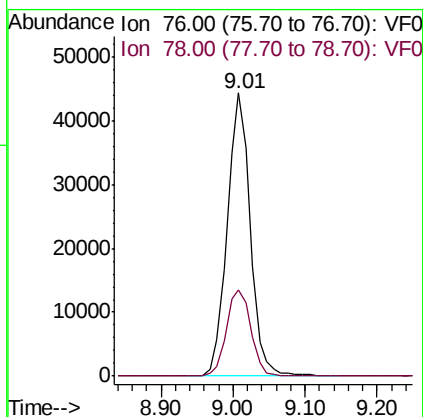
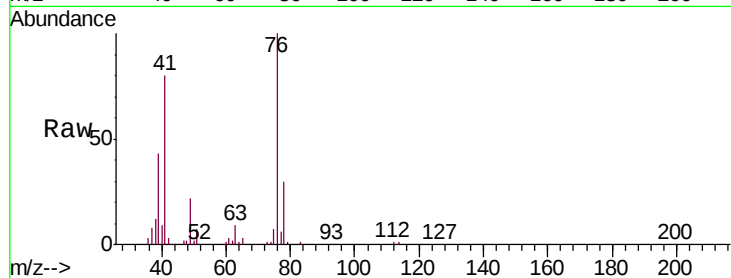
ICVVF081718

Tgt Ion: 76 Resp: 98316

Ion Ratio Lower Upper

76 100

78 30.3 25.3 37.9



#58

2-Chloroethyl Vinyl ether

Concen: 269.342 ug/l

RT: 7.79 min Scan# 736

Delta R.T. 0.00 min

Lab File: VF059984.D

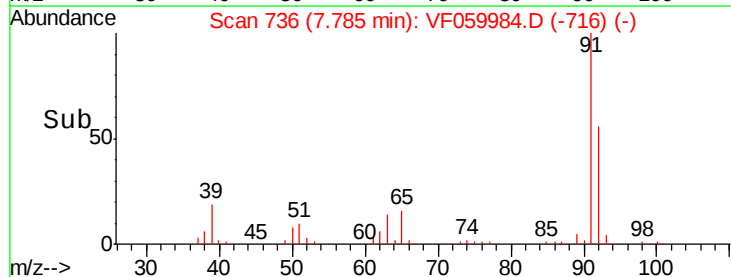
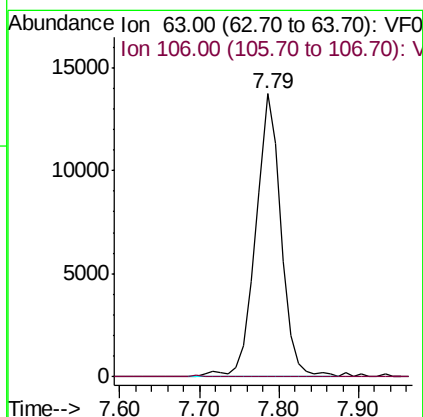
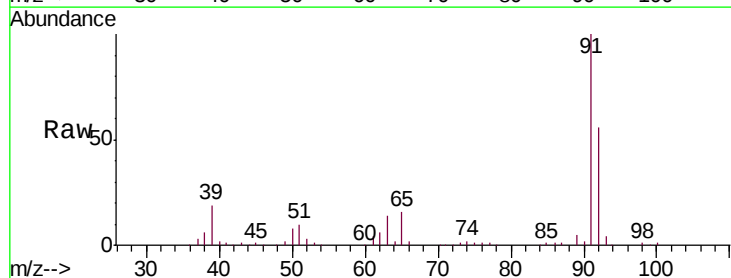
Acq: 17 Aug 2018 20:51

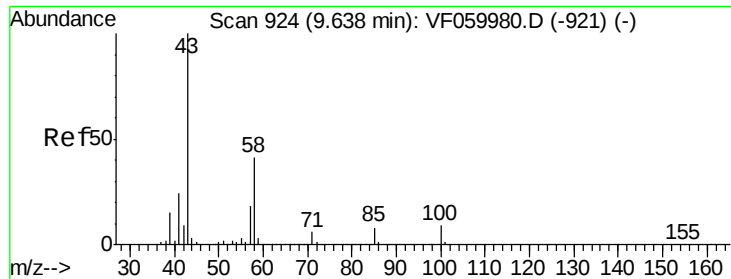
Tgt Ion: 63 Resp: 29787

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0

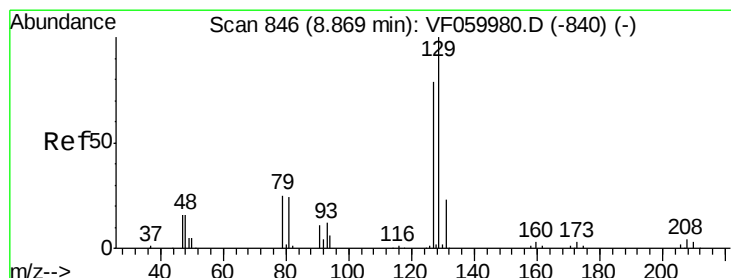
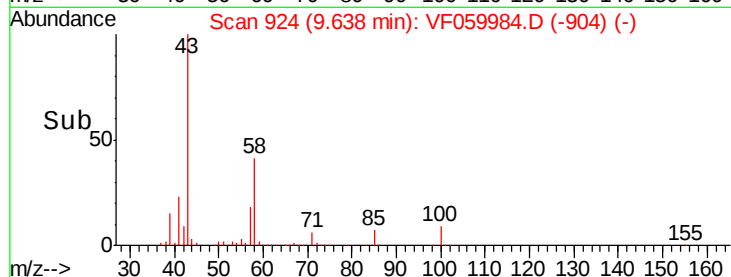
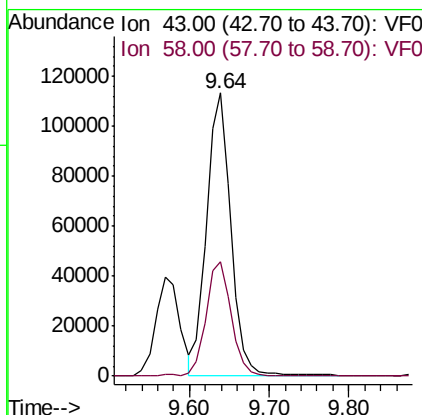
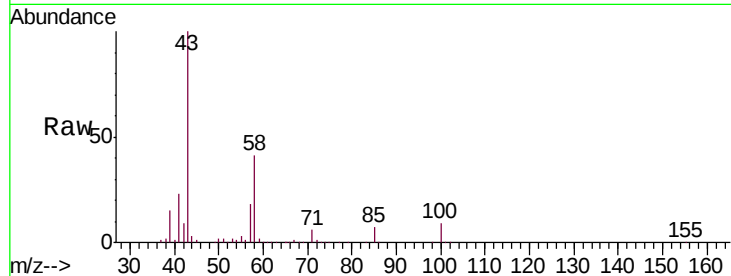




#59
2-Hexanone
Concen: 229.772 ug/l
RT: 9.64 min Scan# 924
Delta R.T. 0.00 min
Lab File: VF059984.D
Acq: 17 Aug 2018 20:51

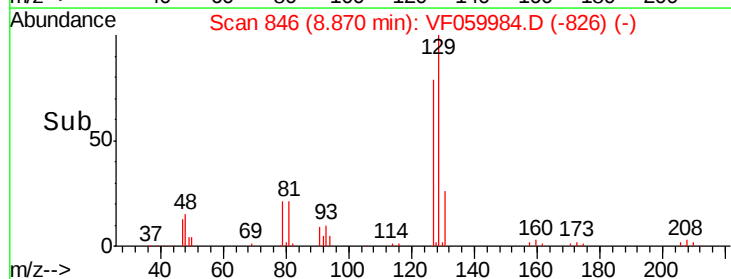
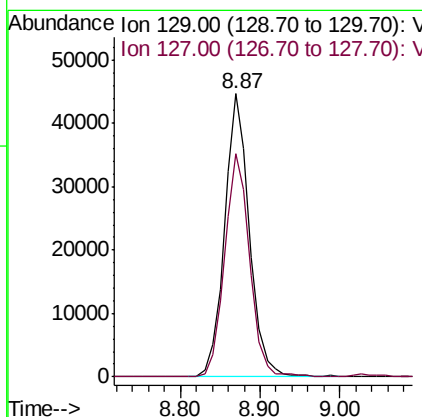
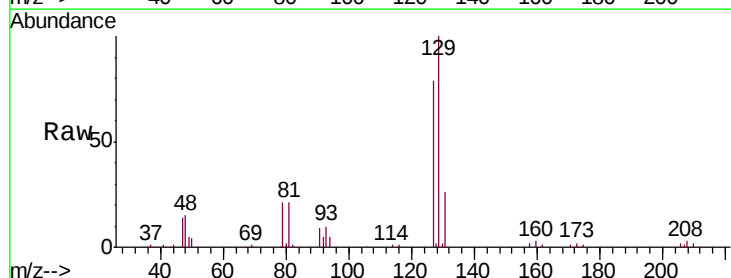
Instrument :
MSVOA_F
ClientSampleId :
ICVVF081718

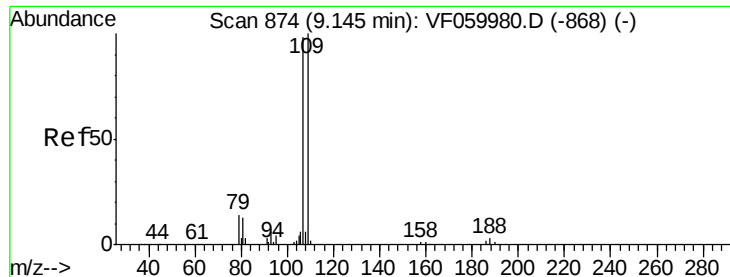
Tgt Ion: 43 Resp: 241453
Ion Ratio Lower Upper
43 100
58 40.6 20.1 60.3



#60
Dibromochloromethane
Concen: 46.987 ug/l
RT: 8.87 min Scan# 846
Delta R.T. 0.00 min
Lab File: VF059984.D
Acq: 17 Aug 2018 20:51

Tgt Ion: 129 Resp: 97722
Ion Ratio Lower Upper
129 100
127 78.8 39.5 118.5





#61

1,2-Dibromoethane

Concen: 47.292 ug/l

RT: 9.15 min Scan# 874

Delta R.T. 0.00 min

Lab File: VF059984.D

Acq: 17 Aug 2018 20:51

Instrument :

MSVOA_F

ClientSampleId :

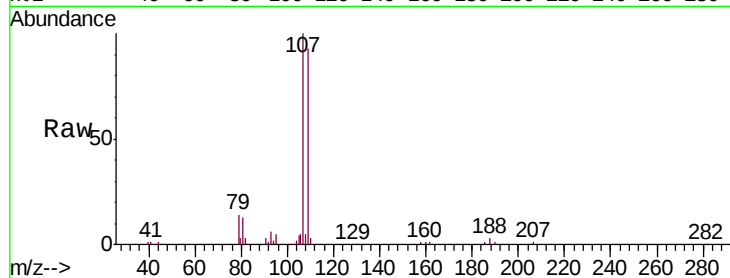
ICVVF081718

Tgt Ion: 107 Resp: 67152

Ion Ratio Lower Upper

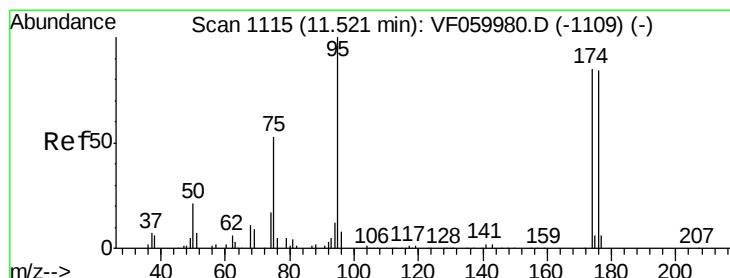
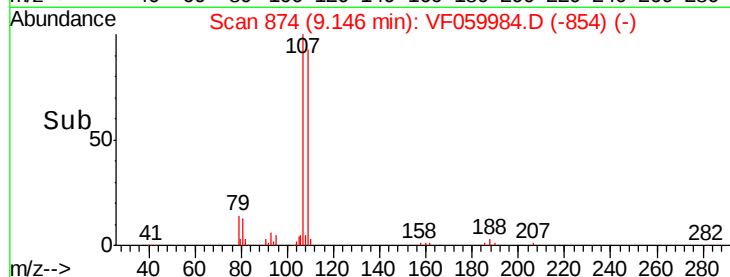
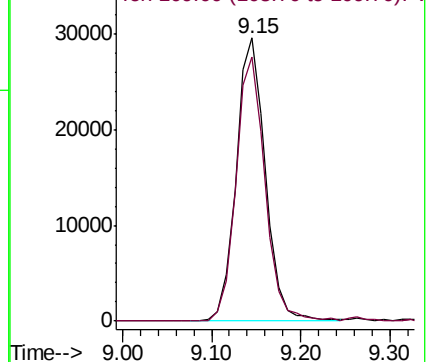
107 100

109 93.4 81.7 122.5



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 47.744 ug/l

RT: 11.51 min Scan# 1114

Delta R.T. -0.01 min

Lab File: VF059984.D

Acq: 17 Aug 2018 20:51

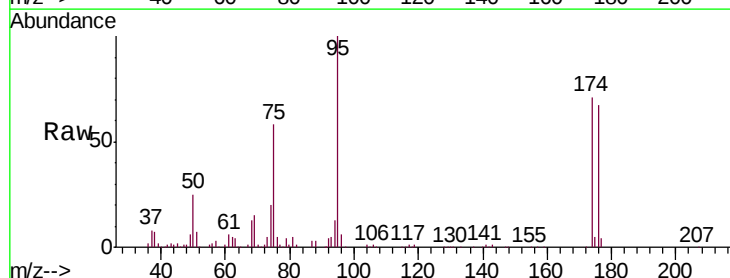
Tgt Ion: 95 Resp: 130928

Ion Ratio Lower Upper

95 100

174 71.4 0.0 169.8

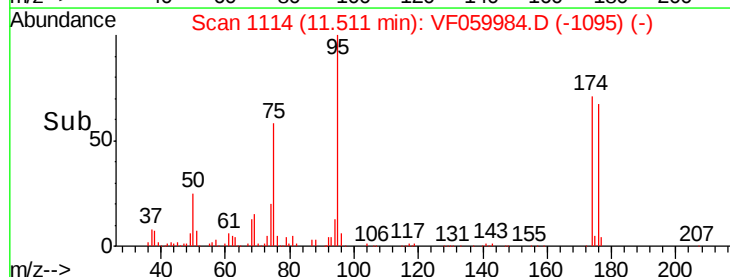
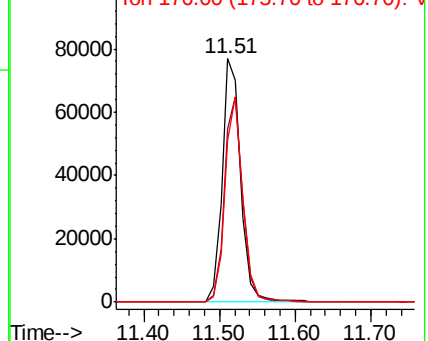
176 66.5 0.0 167.8

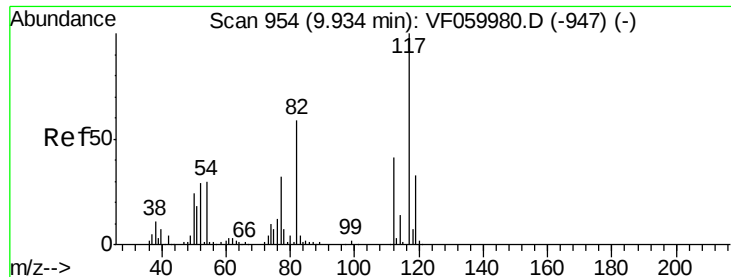


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

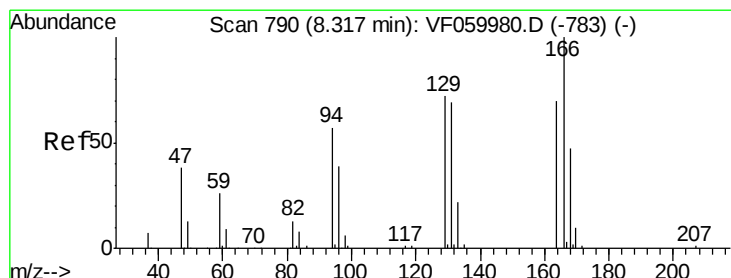
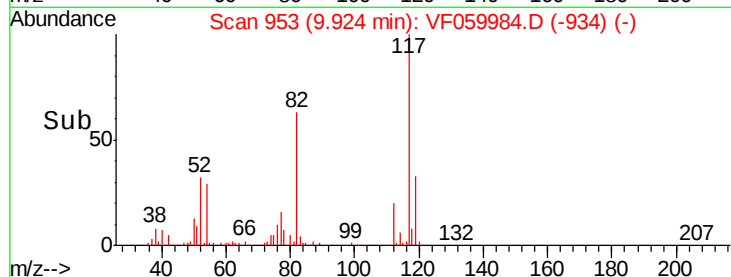
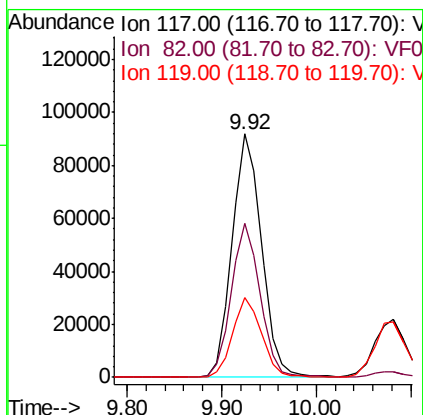
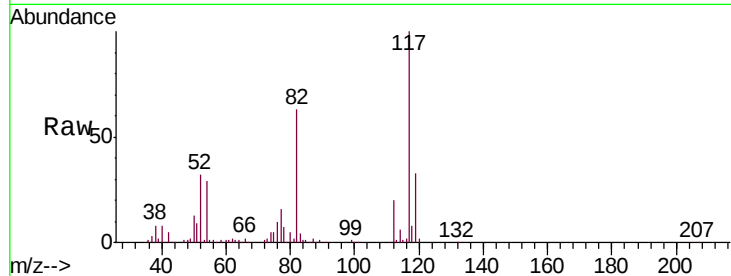




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 953
Delta R.T. -0.01 min
Lab File: VF059984.D
Acq: 17 Aug 2018 20:51

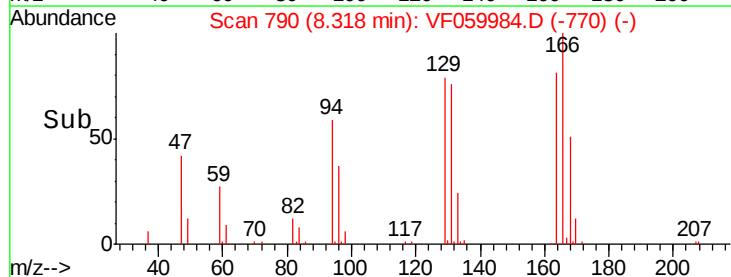
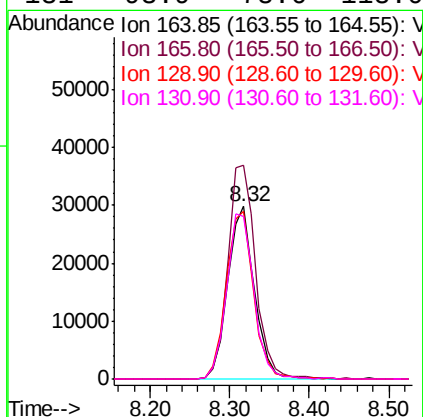
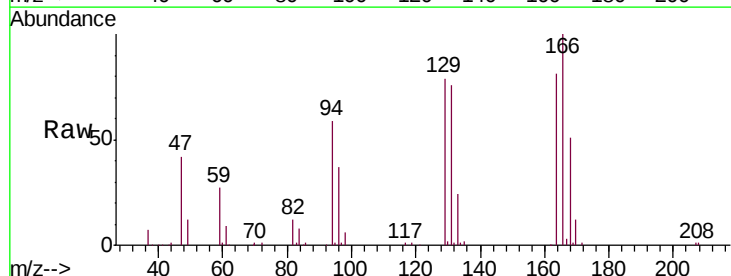
Instrument :
MSVOA_F
ClientSampleId :
ICVVF081718

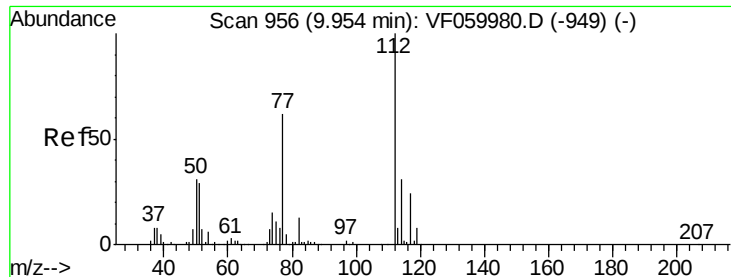
Tgt Ion:117 Resp: 198998
Ion Ratio Lower Upper
117 100
82 63.1 47.2 70.8
119 33.0 26.1 39.1



#64
Tetrachloroethene
Concen: 46.204 ug/l
RT: 8.32 min Scan# 790
Delta R.T. 0.00 min
Lab File: VF059984.D
Acq: 17 Aug 2018 20:51

Tgt Ion:164 Resp: 70059
Ion Ratio Lower Upper
164 100
166 123.6 114.5 171.7
129 97.1 82.3 123.5
131 93.9 78.6 118.0

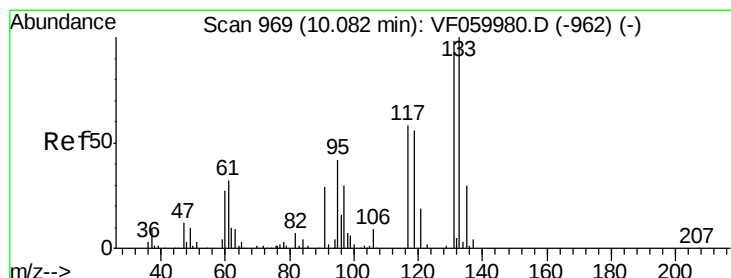
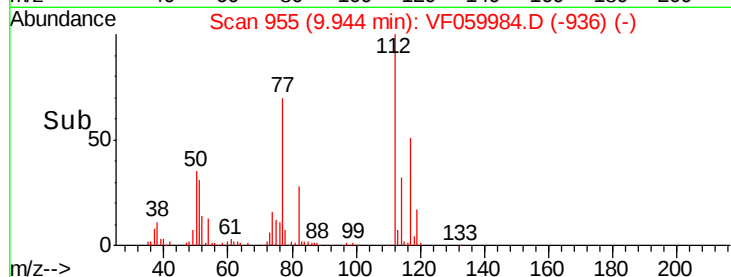
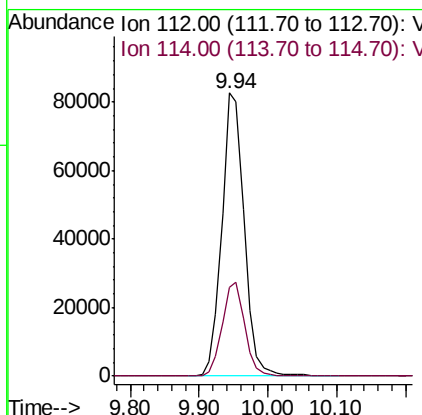
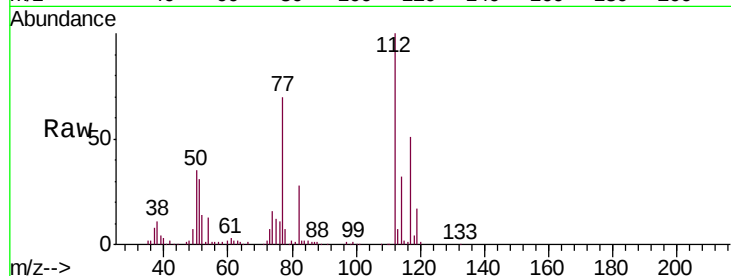




#65
Chlorobenzene
Concen: 47.306 ug/l
RT: 9.94 min Scan# 955
Delta R.T. -0.01 min
Lab File: VF059984.D
Acq: 17 Aug 2018 20:51

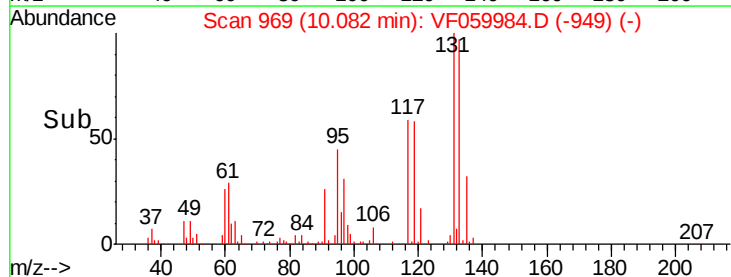
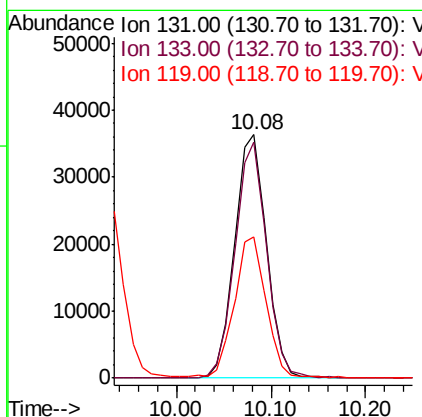
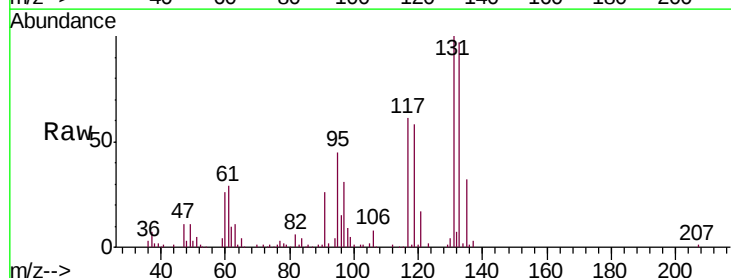
Instrument :
MSVOA_F
ClientSampleId :
ICVVF081718

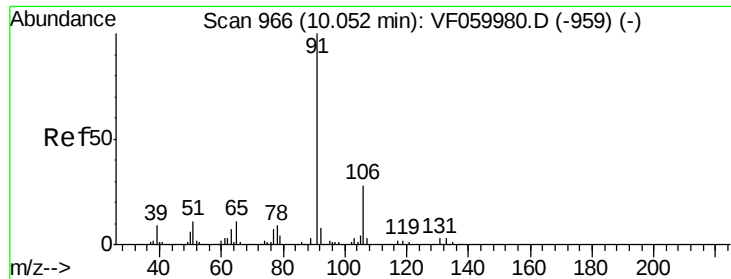
Tgt Ion:112 Resp: 185801
Ion Ratio Lower Upper
112 100
114 31.5 25.0 37.4



#66
1,1,1,2-Tetrachloroethane
Concen: 46.847 ug/l
RT: 10.08 min Scan# 969
Delta R.T. 0.00 min
Lab File: VF059984.D
Acq: 17 Aug 2018 20:51

Tgt Ion:131 Resp: 84653
Ion Ratio Lower Upper
131 100
133 96.7 51.1 153.3
119 58.2 29.0 87.1

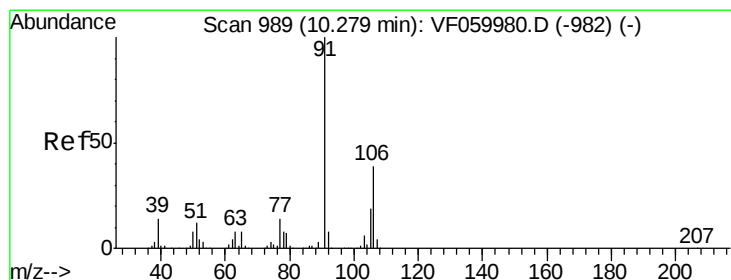
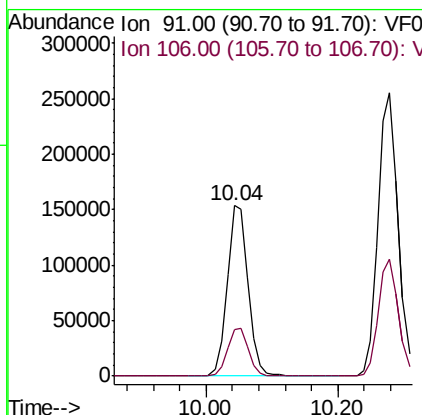
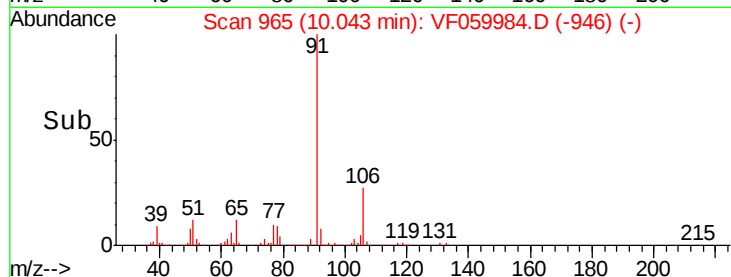
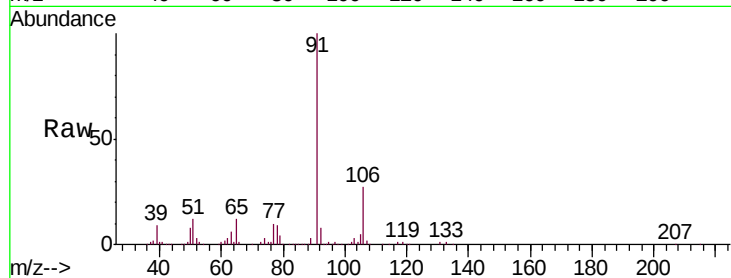




#67
Ethyl Benzene
Concen: 47.756 ug/l
RT: 10.04 min Scan# 965
Delta R.T. -0.01 min
Lab File: VF059984.D
Acq: 17 Aug 2018 20:51

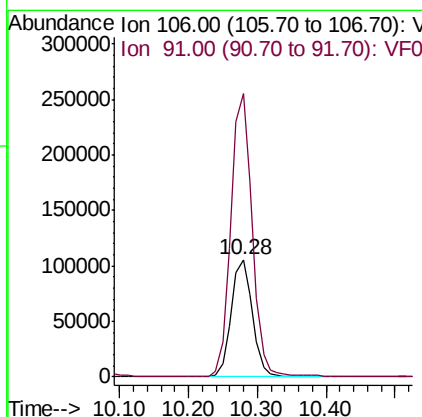
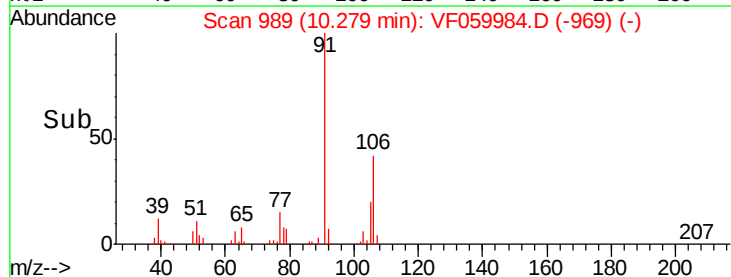
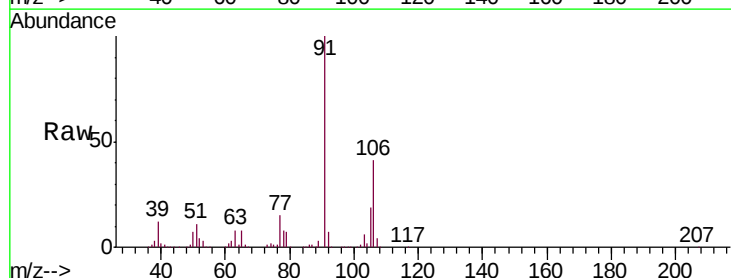
Instrument :
MSVOA_F
ClientSampleId :
ICVVF081718

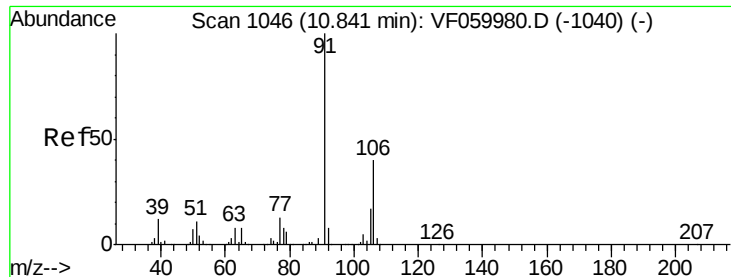
Tgt Ion: 91 Resp: 340549
Ion Ratio Lower Upper
91 100
106 27.3 22.0 33.0



#68
m/p-Xylenes
Concen: 91.737 ug/l
RT: 10.28 min Scan# 989
Delta R.T. 0.00 min
Lab File: VF059984.D
Acq: 17 Aug 2018 20:51

Tgt Ion: 106 Resp: 226656
Ion Ratio Lower Upper
106 100
91 241.4 203.5 305.3

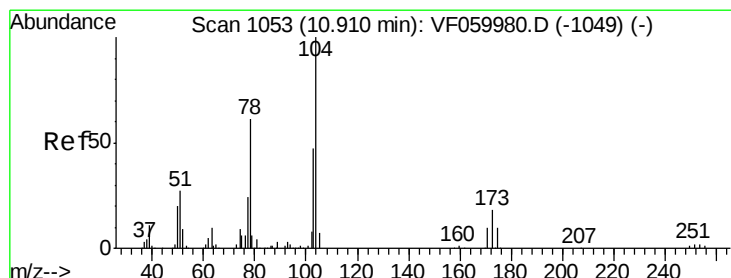
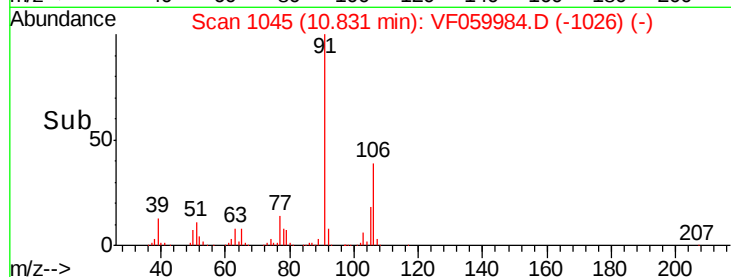
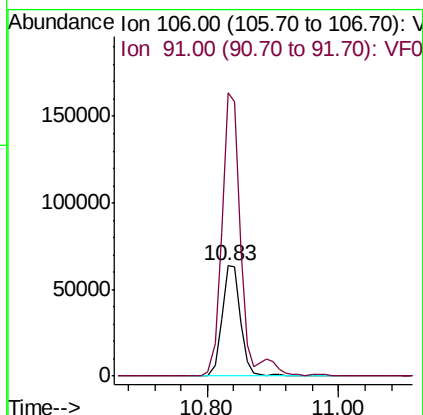
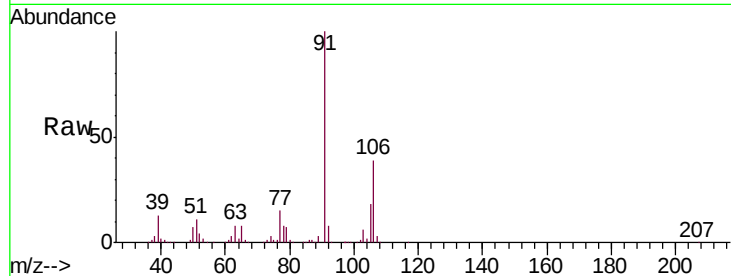




#69
o-Xylene
Concen: 49.812 ug/l
RT: 10.83 min Scan# 1045
Delta R.T. -0.01 min
Lab File: VF059984.D
Acq: 17 Aug 2018 20:51

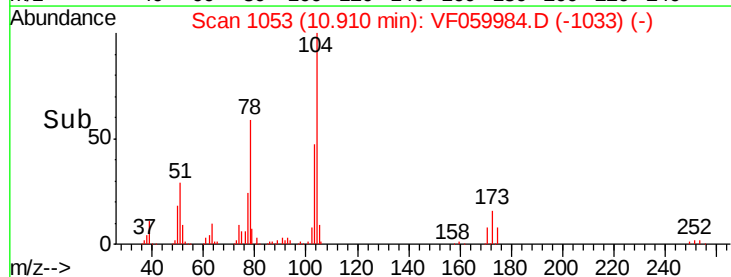
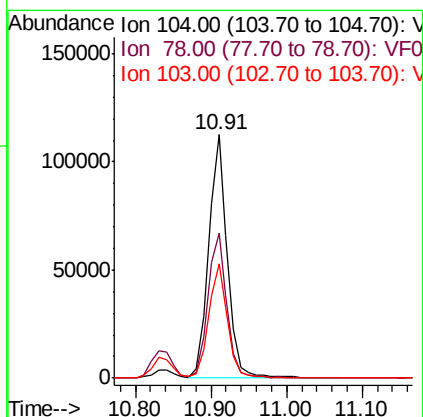
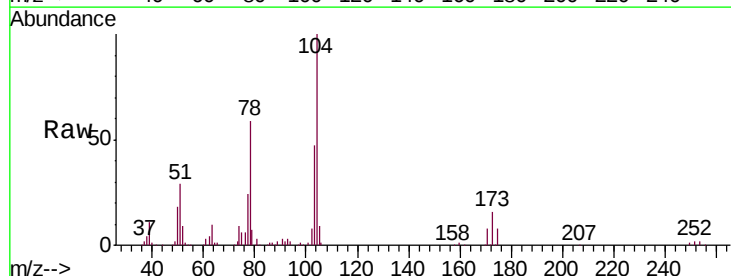
Instrument :
MSVOA_F
ClientSampleId :
ICVVF081718

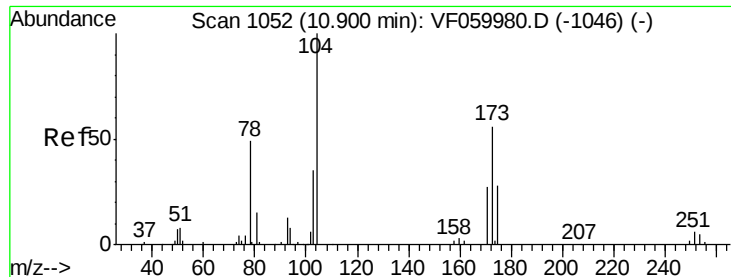
Tgt Ion:106 Resp: 126167
Ion Ratio Lower Upper
106 100
91 256.7 125.4 376.2



#70
Styrene
Concen: 47.788 ug/l
RT: 10.91 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VF059984.D
Acq: 17 Aug 2018 20:51

Tgt Ion:104 Resp: 193918
Ion Ratio Lower Upper
104 100
78 59.5 49.0 73.6
103 46.8 38.2 57.4





#71

Bromoform

Concen: 48.815 ug/l

RT: 10.89 min Scan# 1051

Delta R.T. -0.01 min

Lab File: VF059984.D

Acq: 17 Aug 2018 20:51

Instrument :

MSVOA_F

ClientSampleId :

ICVVF081718

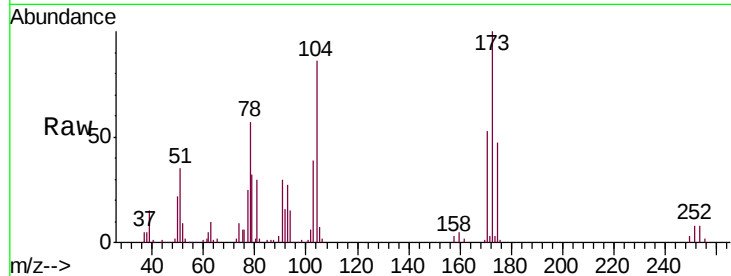
Tgt Ion:173 Resp: 65214

Ion Ratio Lower Upper

173 100

175 47.5 24.8 74.3

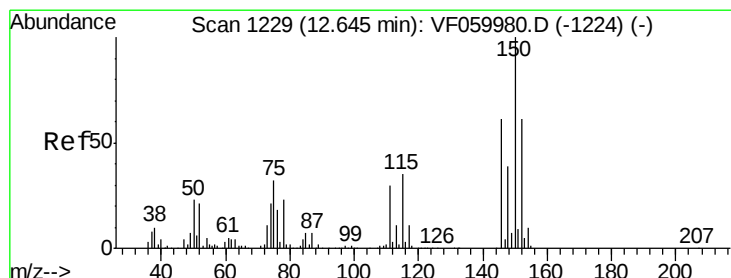
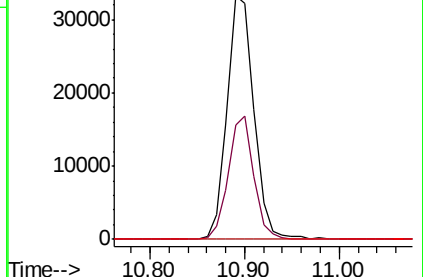
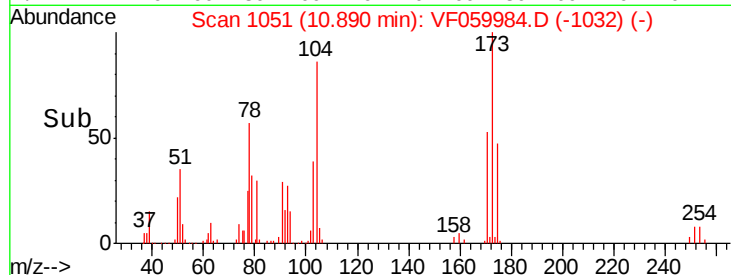
254 0.0 0.0 0.0



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.64 min Scan# 1228

Delta R.T. -0.01 min

Lab File: VF059984.D

Acq: 17 Aug 2018 20:51

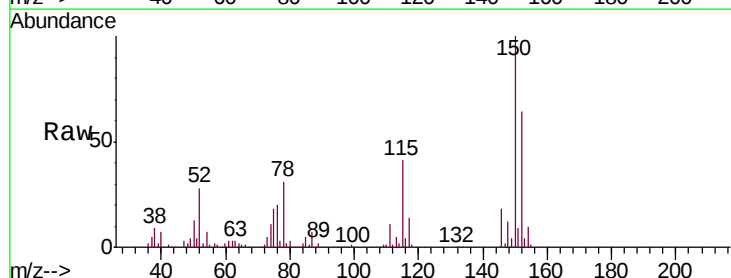
Tgt Ion:152 Resp: 131240

Ion Ratio Lower Upper

152 100

115 64.4 29.1 87.3

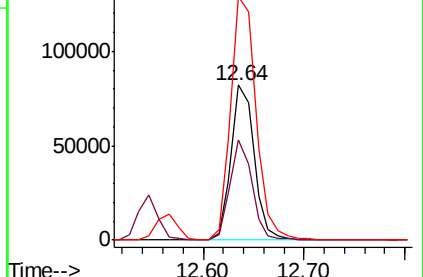
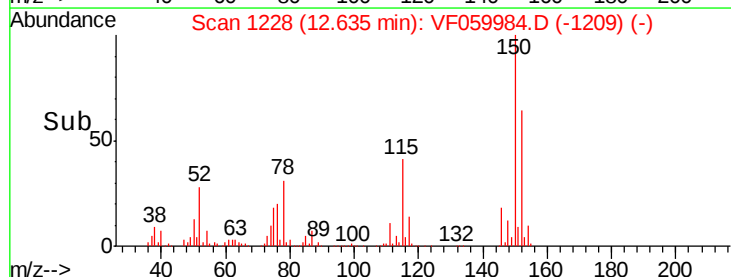
150 157.3 0.0 330.2

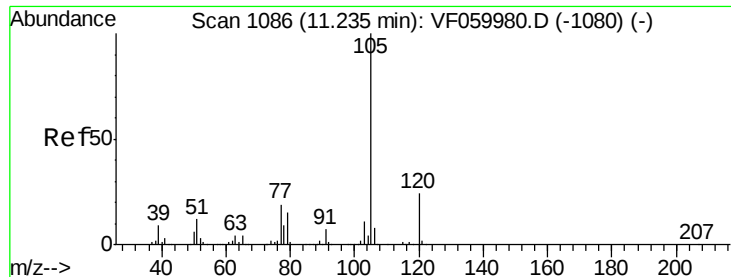


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 51.321 ug/l

RT: 11.24 min Scan# 1086

Delta R.T. 0.00 min

Lab File: VF059984.D

Acq: 17 Aug 2018 20:51

Instrument :

MSVOA_F

ClientSampleId :

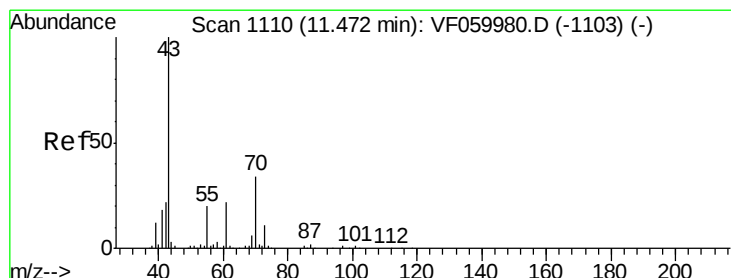
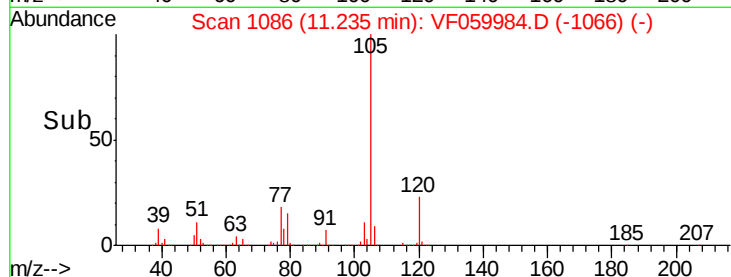
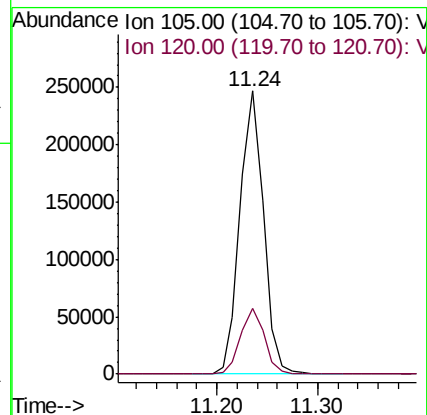
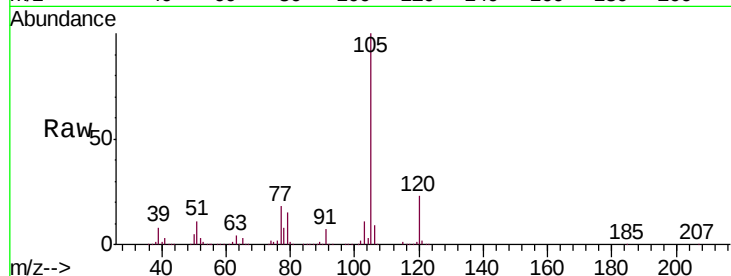
ICVVF081718

Tgt Ion:105 Resp: 403780

Ion Ratio Lower Upper

105 100

120 23.4 11.9 35.5



#74

N-ethyl acetate

Concen: 51.717 ug/l

RT: 11.47 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VF059984.D

Acq: 17 Aug 2018 20:51

Tgt Ion: 43 Resp: 115467

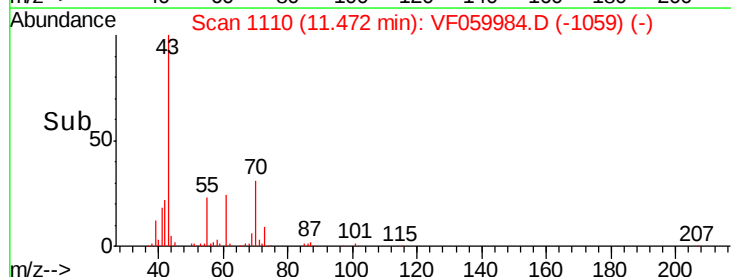
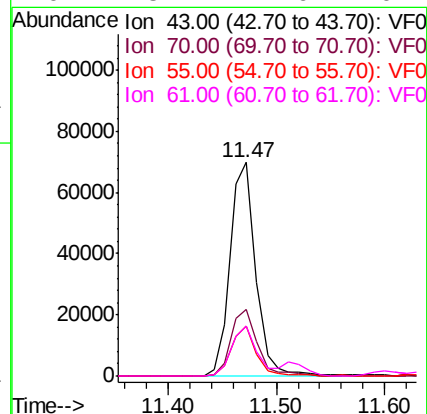
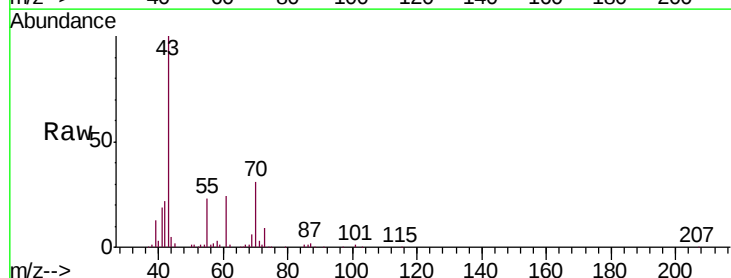
Ion Ratio Lower Upper

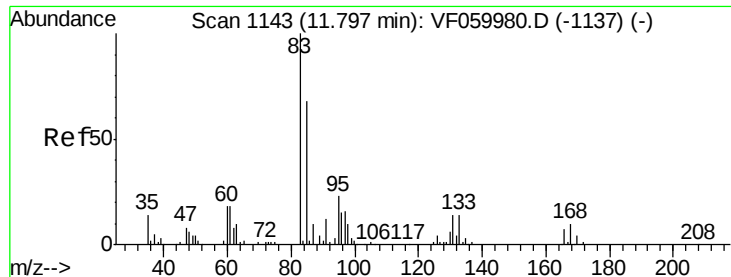
43 100

70 31.3 27.2 40.8

55 23.4 16.4 24.6

61 23.7 17.6 26.4





#75

1,1,2,2-Tetrachloroethane

Concen: 48.365 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. -0.01 min

Lab File: VF059984.D

Acq: 17 Aug 2018 20:51

Instrument :

MSVOA_F

ClientSampleId :

ICVVF081718

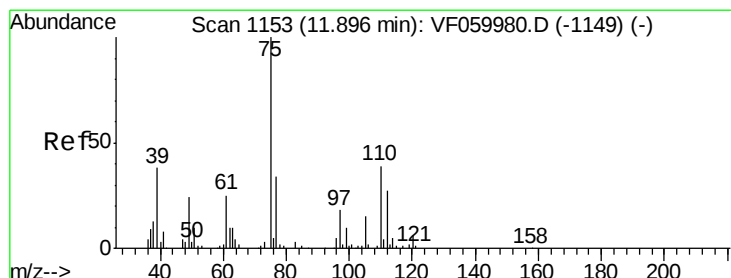
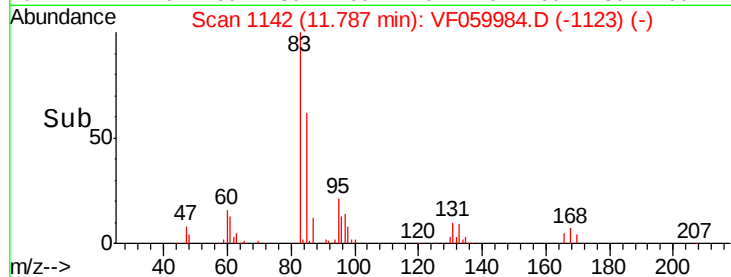
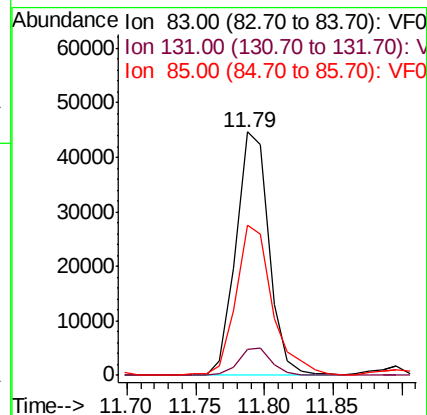
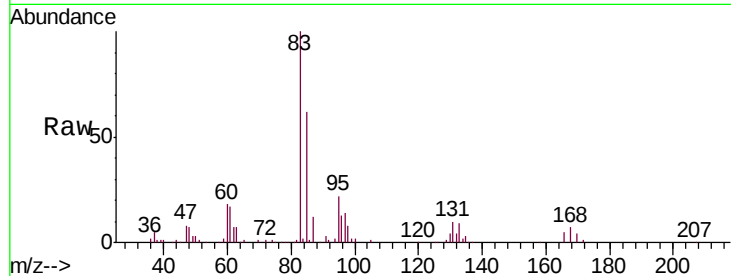
Tgt Ion: 83 Resp: 74715

Ion Ratio Lower Upper

83 100

131 10.4 7.2 21.6

85 61.9 34.1 102.2



#76

1,2,3-Trichloropropane

Concen: 47.213 ug/l

RT: 11.90 min Scan# 1153

Delta R.T. 0.00 min

Lab File: VF059984.D

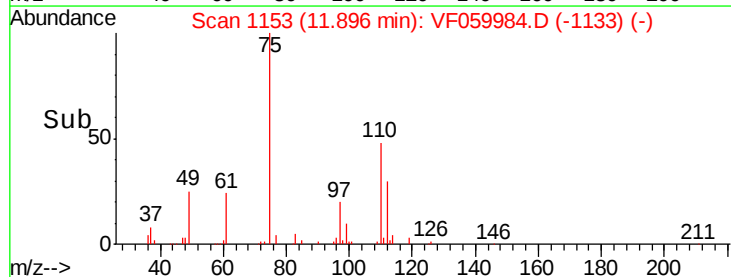
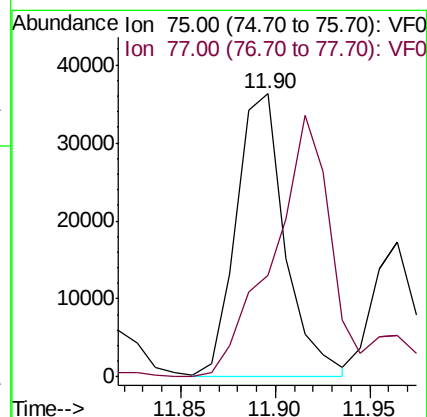
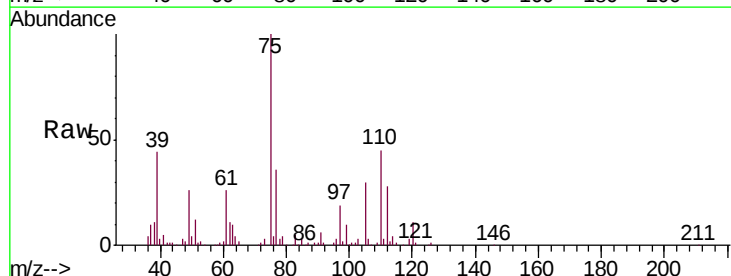
Acq: 17 Aug 2018 20:51

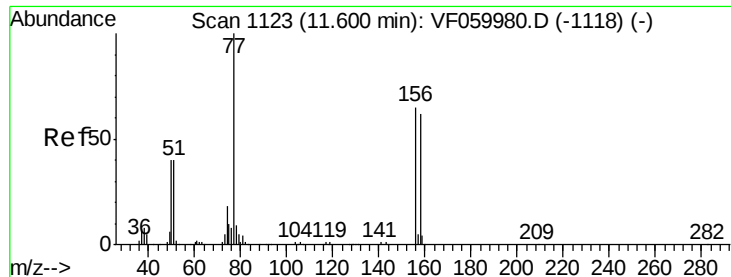
Tgt Ion: 75 Resp: 64598

Ion Ratio Lower Upper

75 100

77 36.0 17.1 51.3





#77

Bromobenzene

Concen: 50.542 ug/l

RT: 11.60 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VF059984.D

Acq: 17 Aug 2018 20:51

Instrument :

MSVOA_F

ClientSampleId :

ICVVF081718

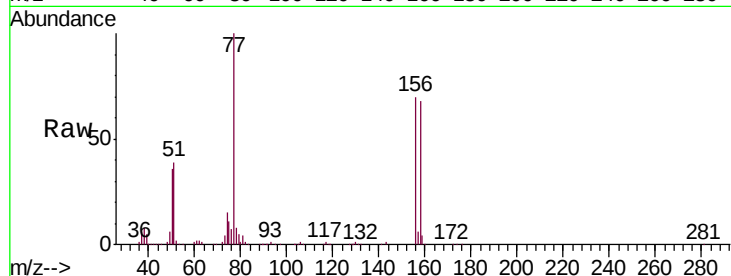
Tgt Ion:156 Resp: 110904

Ion Ratio Lower Upper

156 100

77 142.6 76.9 230.7

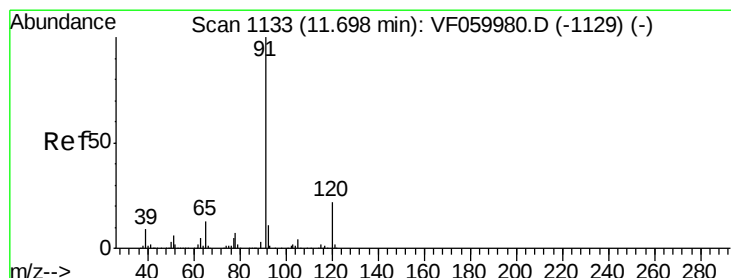
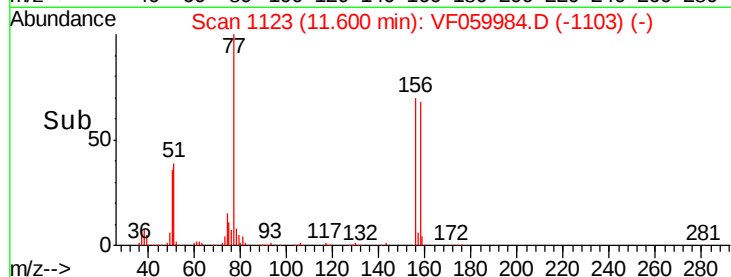
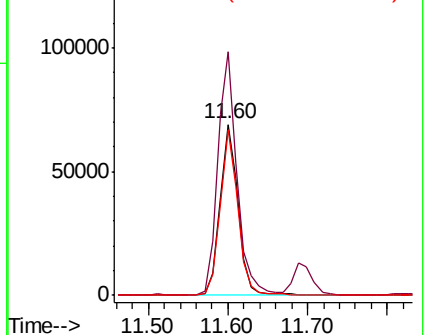
158 97.0 47.7 143.1



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 47.215 ug/l

RT: 11.70 min Scan# 1133

Delta R.T. 0.00 min

Lab File: VF059984.D

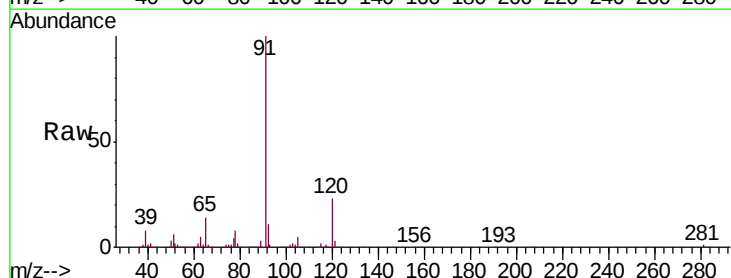
Acq: 17 Aug 2018 20:51

Tgt Ion: 91 Resp: 461171

Ion Ratio Lower Upper

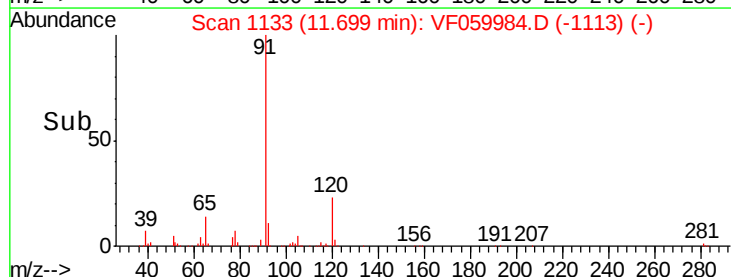
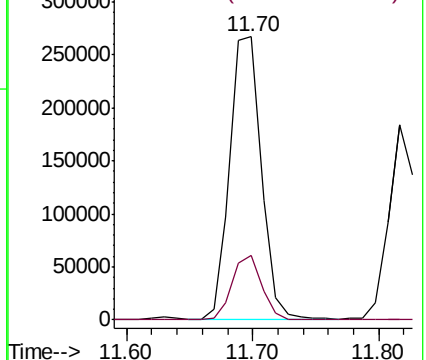
91 100

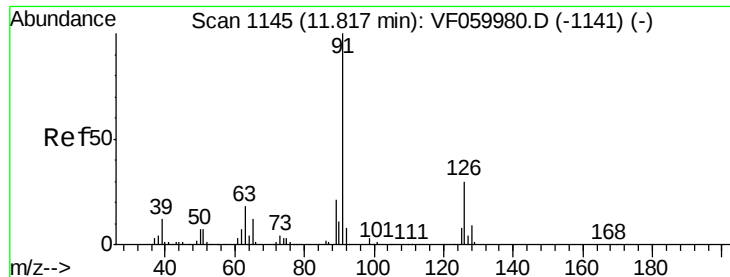
120 22.6 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

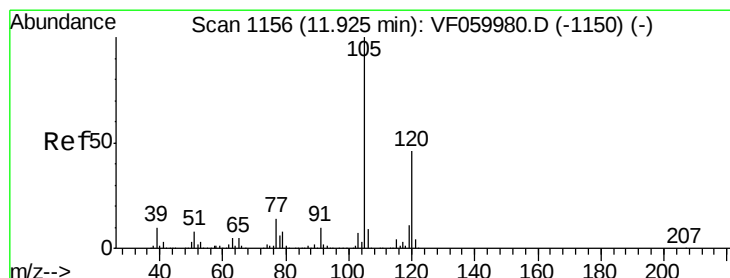
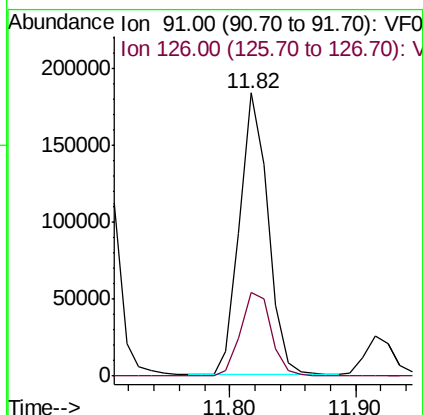
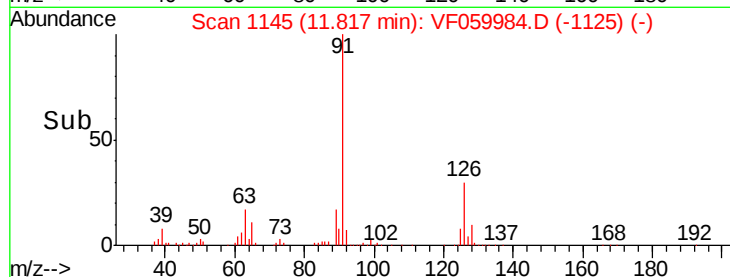
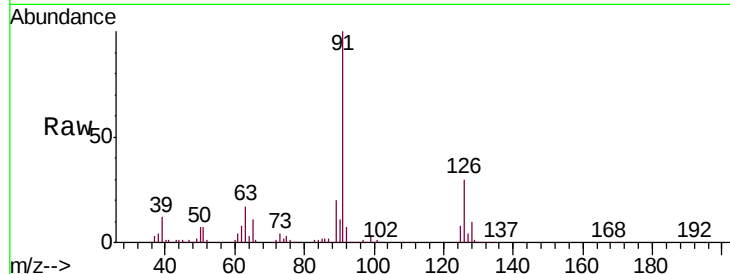




#79
 2-Chlorotoluene
 Concen: 48.081 ug/l
 RT: 11.82 min Scan# 1145
 Delta R.T. 0.00 min
 Lab File: VF059984.D
 Acq: 17 Aug 2018 20:51

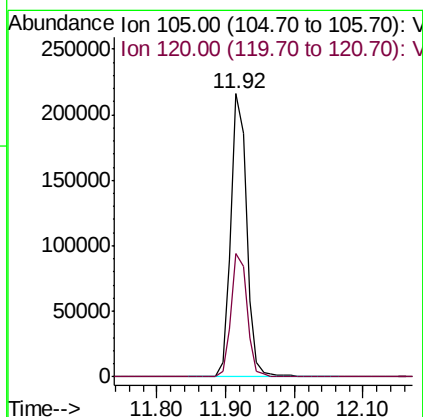
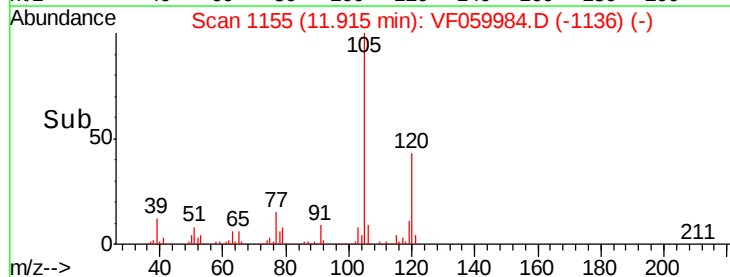
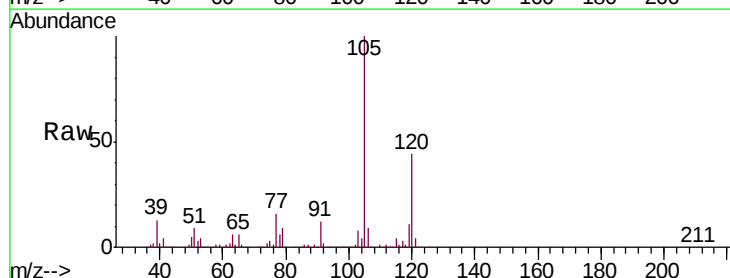
Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF081718

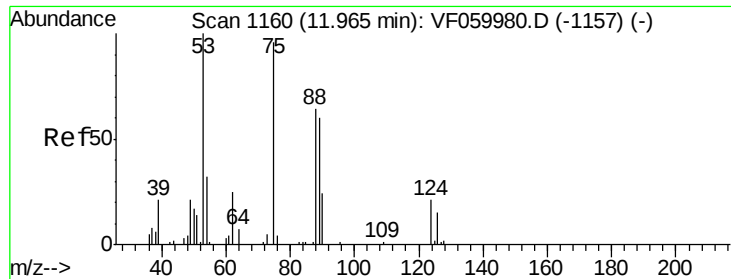
Tgt Ion: 91 Resp: 285313
 Ion Ratio Lower Upper
 91 100
 126 29.6 14.7 44.1



#80
 1,3,5-Trimethylbenzene
 Concen: 48.541 ug/l
 RT: 11.92 min Scan# 1155
 Delta R.T. -0.01 min
 Lab File: VF059984.D
 Acq: 17 Aug 2018 20:51

Tgt Ion: 105 Resp: 345300
 Ion Ratio Lower Upper
 105 100
 120 43.5 22.9 68.7





#81

trans-1,4-Dichloro-2-butene

Concen: 63.966 ug/l

RT: 11.96 min Scan# 1160

Delta R.T. 0.00 min

Lab File: VF059984.D

Acq: 17 Aug 2018 20:51

Instrument :

MSVOA_F

ClientSampleId :

ICVVF081718

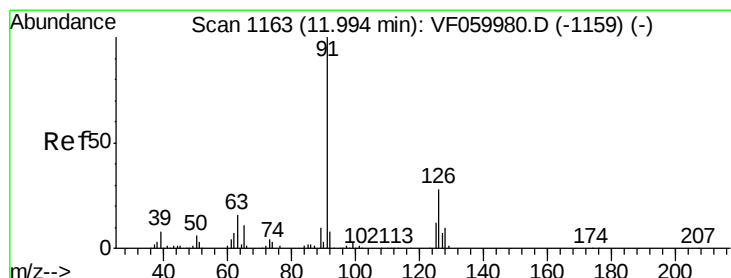
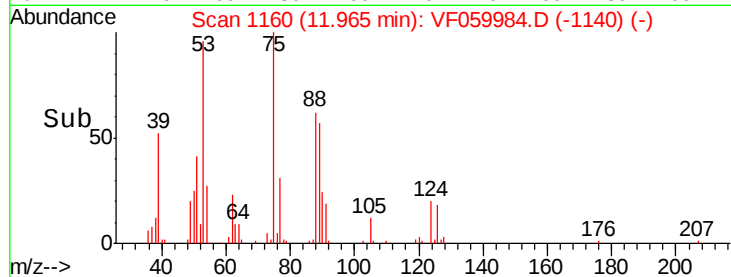
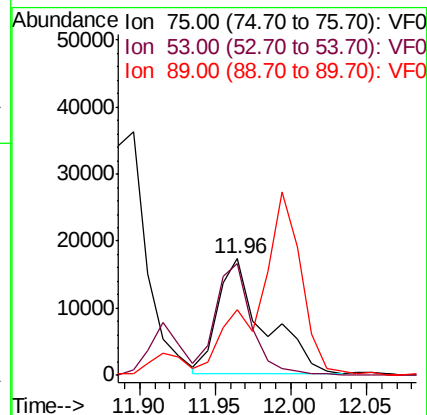
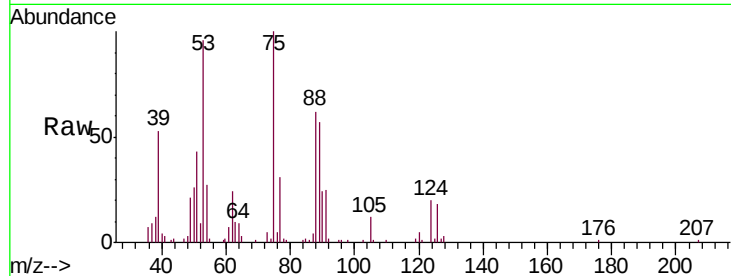
Tgt Ion: 75 Resp: 36941

Ion Ratio Lower Upper

75 100

53 96.5 87.4 131.0

89 56.9 52.8 79.2



#82

4-Chlorotoluene

Concen: 49.026 ug/l

RT: 11.99 min Scan# 1163

Delta R.T. 0.00 min

Lab File: VF059984.D

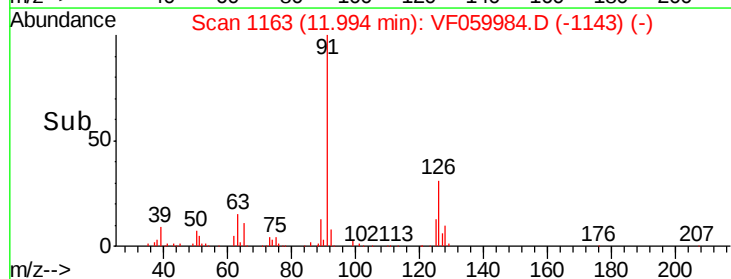
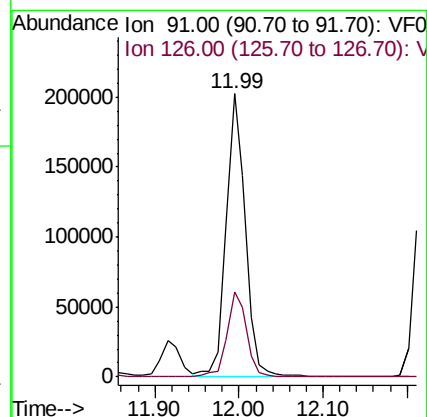
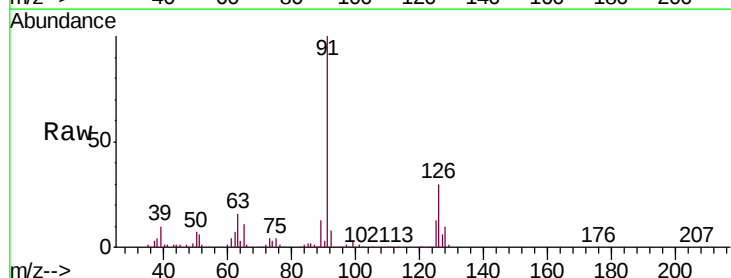
Acq: 17 Aug 2018 20:51

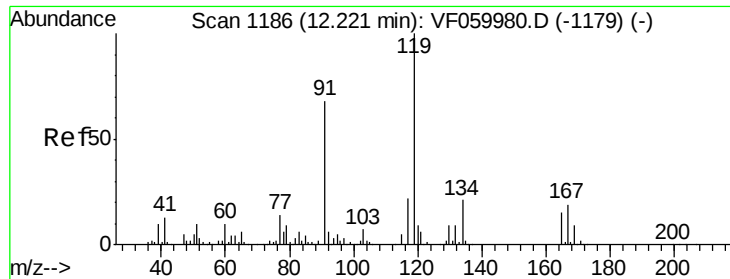
Tgt Ion: 91 Resp: 318368

Ion Ratio Lower Upper

91 100

126 30.0 14.1 42.4

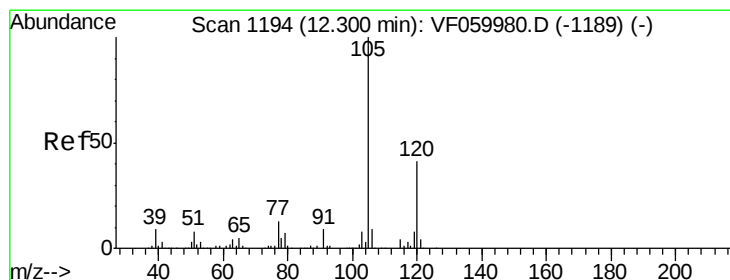
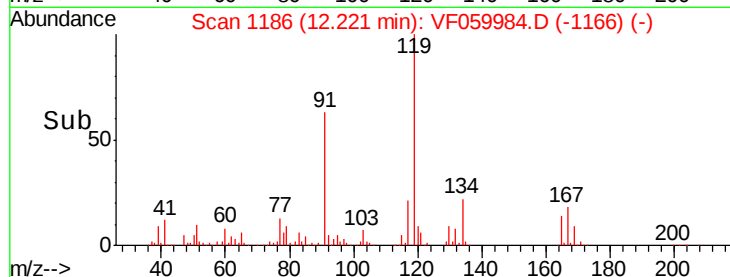
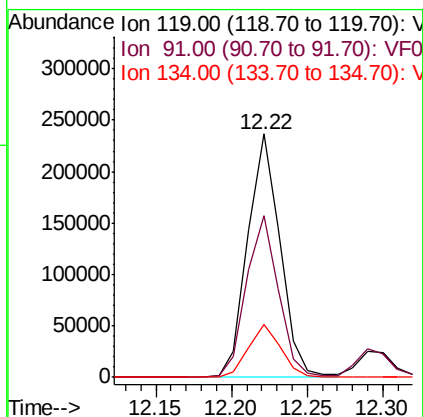
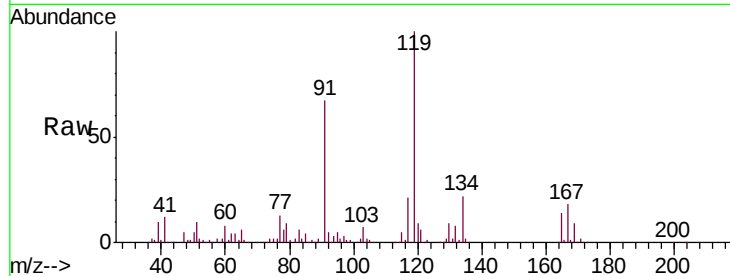




#83
tert-Butylbenzene
Concen: 50.820 ug/l
RT: 12.22 min Scan# 1186
Delta R.T. 0.00 min
Lab File: VF059984.D
Acq: 17 Aug 2018 20:51

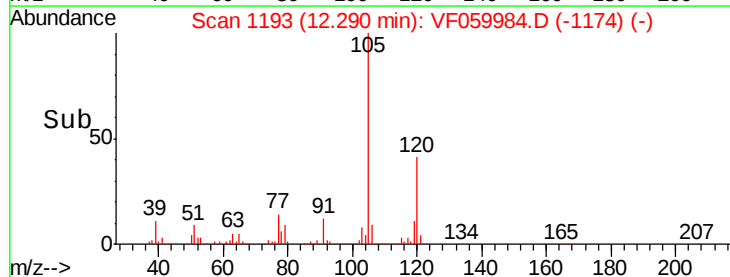
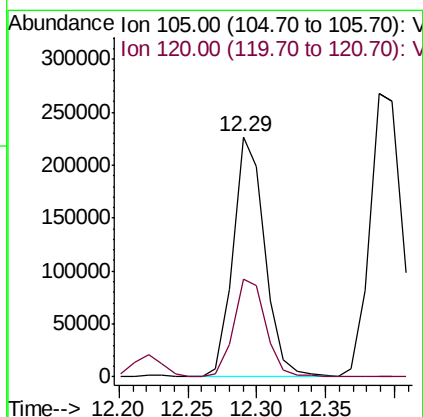
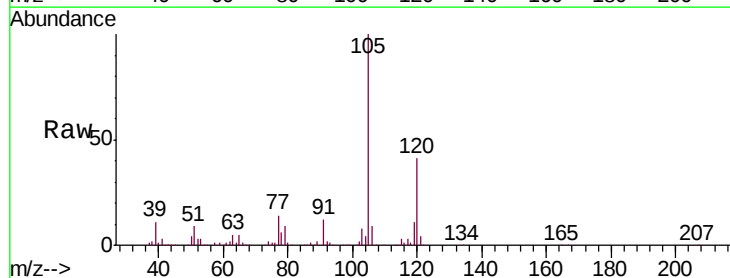
Instrument :
MSVOA_F
ClientSampleId :
ICVVF081718

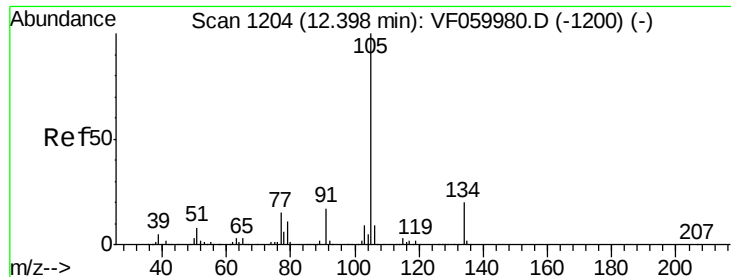
Tgt Ion:119 Resp: 355181
Ion Ratio Lower Upper
119 100
91 66.7 34.1 102.2
134 21.6 10.5 31.6



#84
1,2,4-Trimethylbenzene
Concen: 48.441 ug/l
RT: 12.29 min Scan# 1193
Delta R.T. -0.01 min
Lab File: VF059984.D
Acq: 17 Aug 2018 20:51

Tgt Ion:105 Resp: 362845
Ion Ratio Lower Upper
105 100
120 40.6 20.9 62.7





#85

sec-Butylbenzene

Concen: 47.709 ug/l

RT: 12.39 min Scan# 1203

Delta R.T. -0.01 min

Lab File: VF059984.D

Acq: 17 Aug 2018 20:51

Instrument :

MSVOA_F

ClientSampleId :

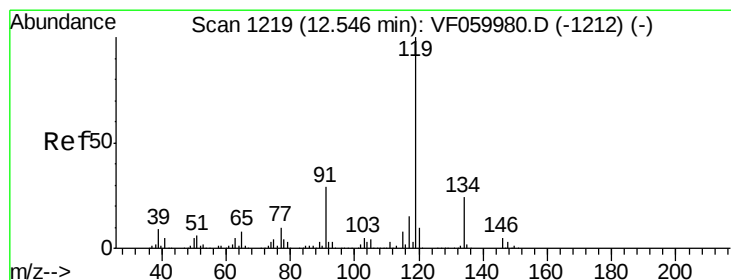
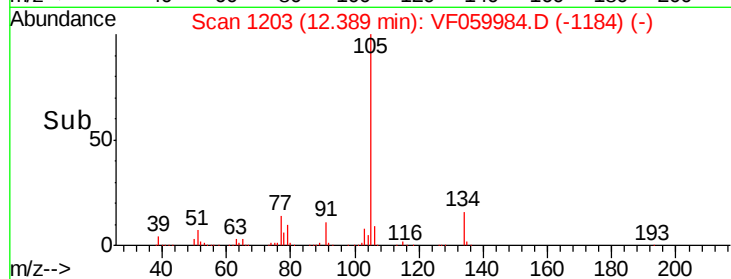
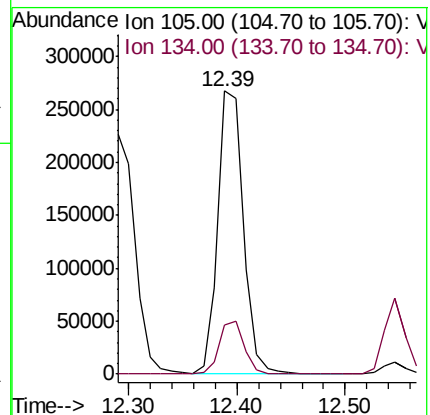
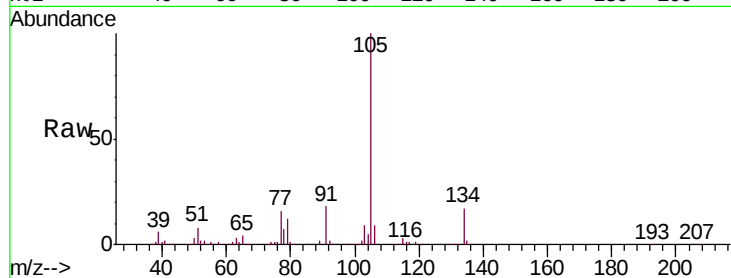
ICVVF081718

Tgt Ion:105 Resp: 440766

Ion Ratio Lower Upper

105 100

134 17.4 9.8 29.5



#86

p-Isopropyltoluene

Concen: 49.180 ug/l

RT: 12.55 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VF059984.D

Acq: 17 Aug 2018 20:51

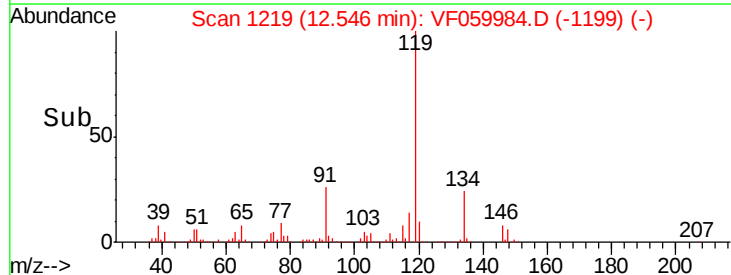
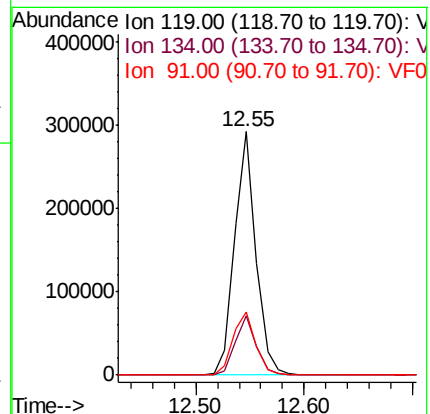
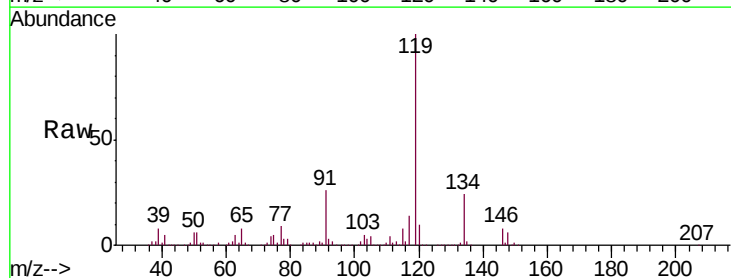
Tgt Ion:119 Resp: 401846

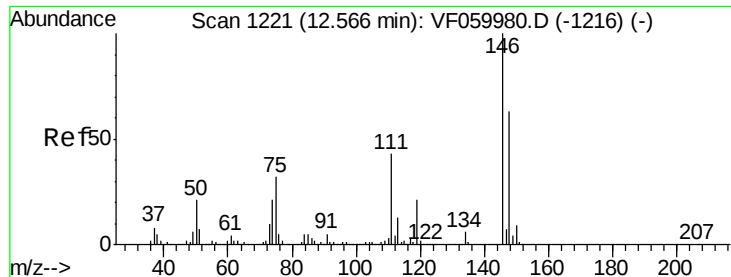
Ion Ratio Lower Upper

119 100

134 24.4 12.1 36.3

91 26.2 14.4 43.4





#87

1,3-Dichlorobenzene

Concen: 47.708 ug/l

RT: 12.57 min Scan# 1221

Delta R.T. 0.00 min

Lab File: VF059984.D

Acq: 17 Aug 2018 20:51

Instrument :

MSVOA_F

ClientSampleId :

ICVVF081718

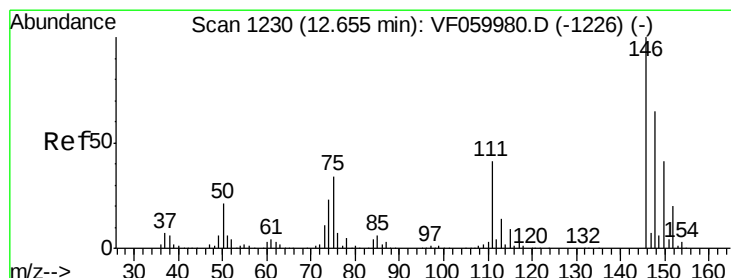
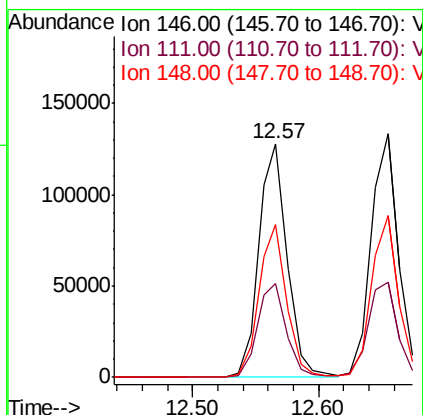
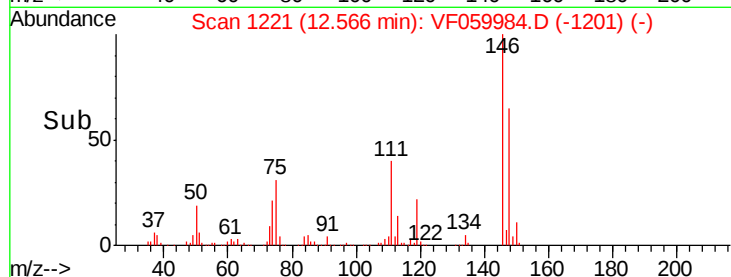
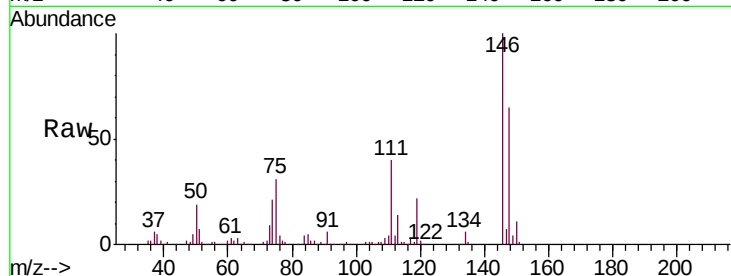
Tgt Ion:146 Resp: 199830

Ion Ratio Lower Upper

146 100

111 40.3 21.3 63.7

148 65.1 31.6 95.0



#88

1,4-Dichlorobenzene

Concen: 49.823 ug/l

RT: 12.65 min Scan# 1230

Delta R.T. 0.00 min

Lab File: VF059984.D

Acq: 17 Aug 2018 20:51

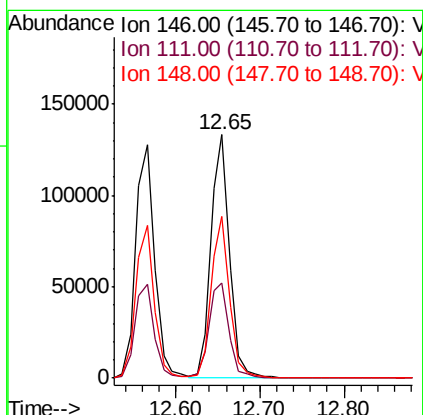
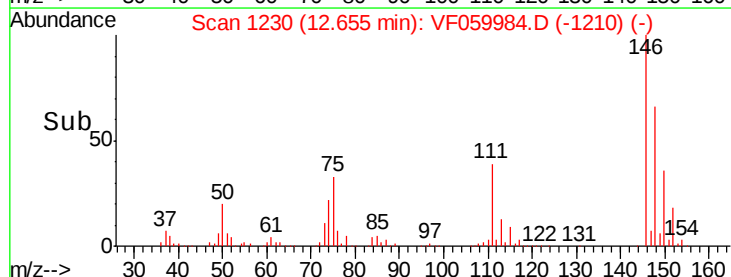
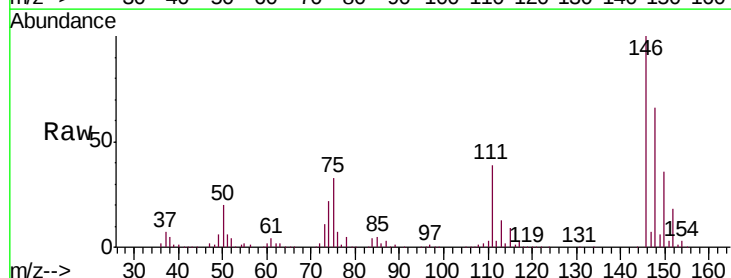
Tgt Ion:146 Resp: 204309

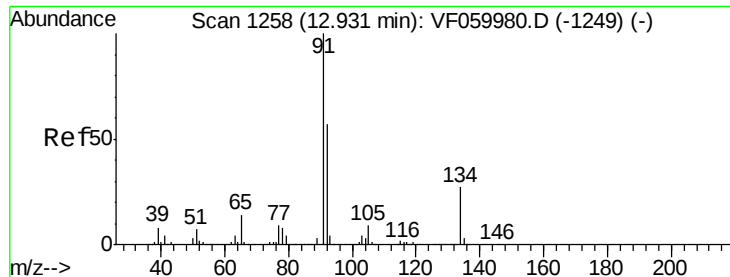
Ion Ratio Lower Upper

146 100

111 38.9 20.3 61.0

148 66.5 32.6 97.8





#89

n-Butylbenzene

Concen: 49.263 ug/l

RT: 12.92 min Scan# 1257

Delta R.T. -0.01 min

Lab File: VF059984.D

Acq: 17 Aug 2018 20:51

Instrument :

MSVOA_F

ClientSampleId :

ICVVF081718

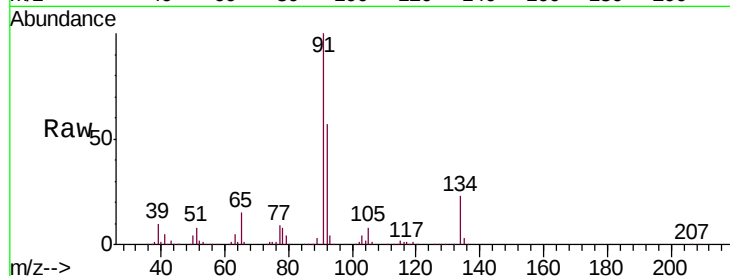
Tgt Ion: 91 Resp: 388950

Ion Ratio Lower Upper

91 100

92 57.0 28.7 86.3

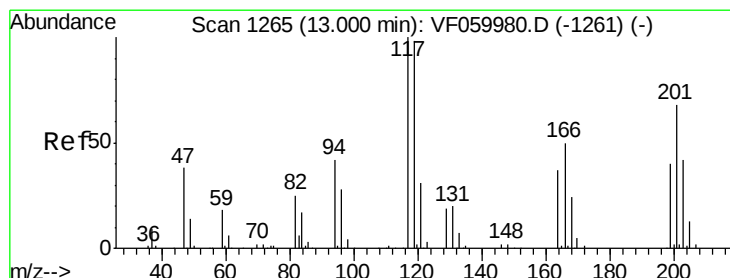
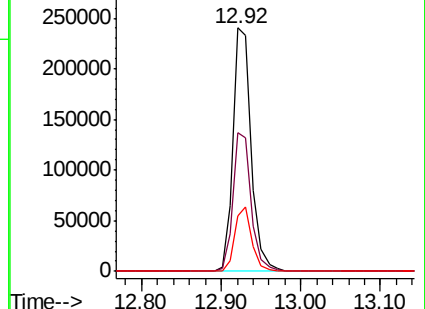
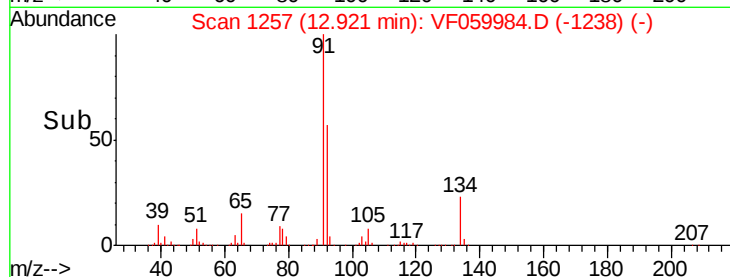
134 22.7 13.3 39.9



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 50.102 ug/l

RT: 13.00 min Scan# 1265

Delta R.T. 0.00 min

Lab File: VF059984.D

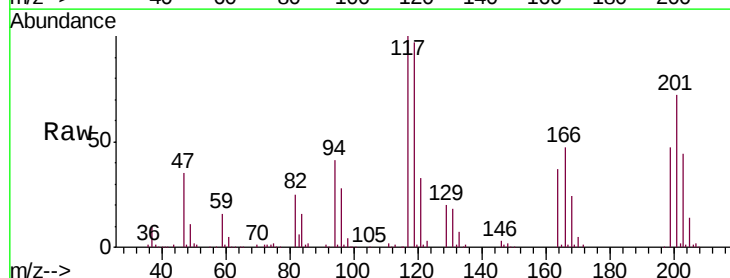
Acq: 17 Aug 2018 20:51

Tgt Ion: 117 Resp: 92217

Ion Ratio Lower Upper

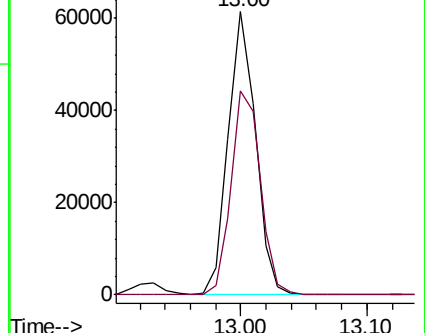
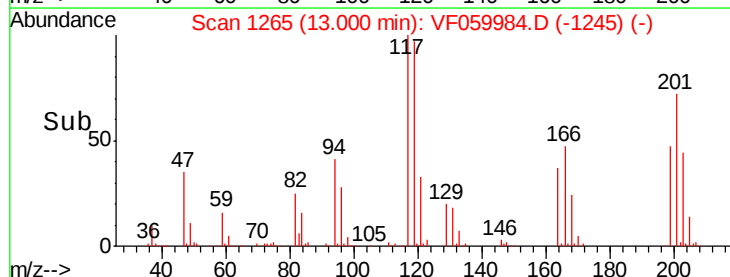
117 100

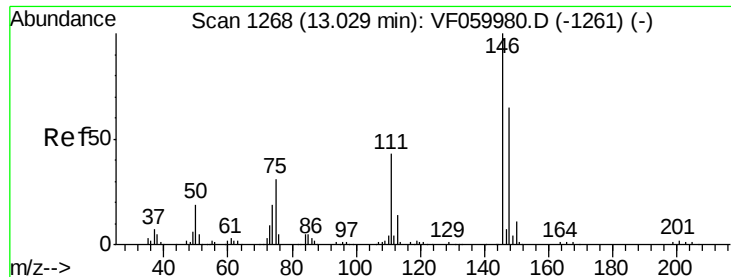
201 71.9 34.5 103.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V





#91

1,2-Dichlorobenzene

Concen: 49.088 ug/l

RT: 13.03 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VF059984.D

Acq: 17 Aug 2018 20:51

Instrument :

MSVOA_F

ClientSampleId :

ICVVF081718

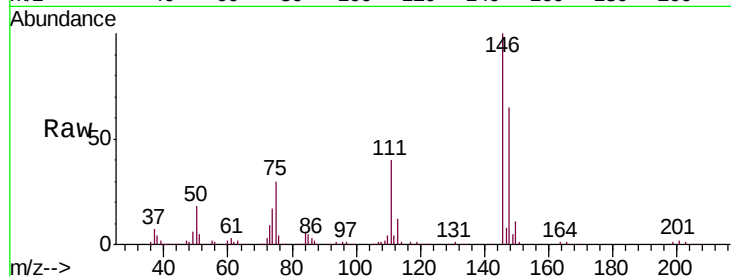
Tgt Ion: 146 Resp: 196802

Ion Ratio Lower Upper

146 100

111 39.8 21.4 64.3

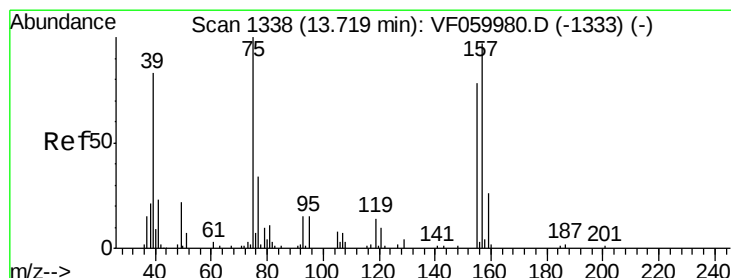
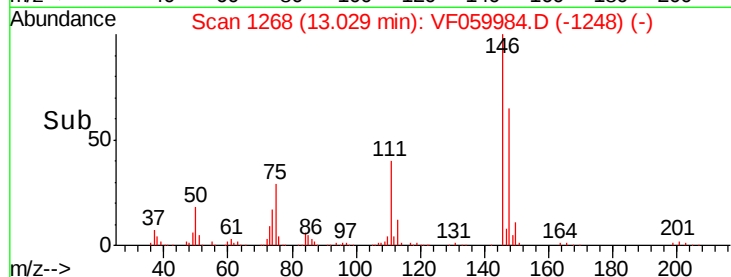
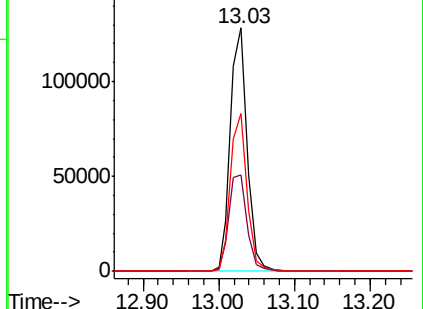
148 64.9 32.5 97.4



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 50.178 ug/l

RT: 13.72 min Scan# 1338

Delta R.T. 0.00 min

Lab File: VF059984.D

Acq: 17 Aug 2018 20:51

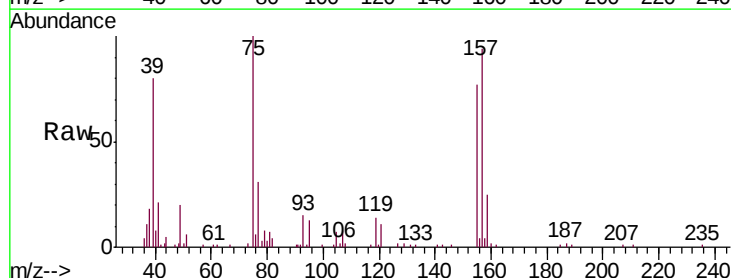
Tgt Ion: 75 Resp: 21436

Ion Ratio Lower Upper

75 100

155 77.2 38.9 116.7

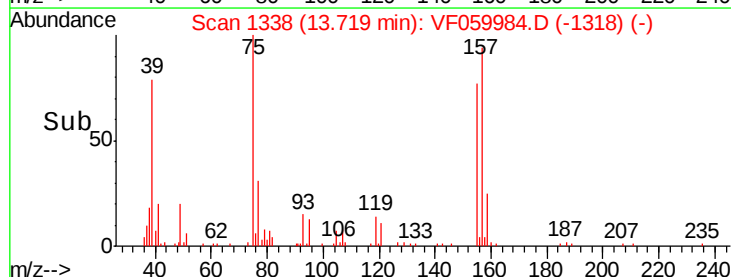
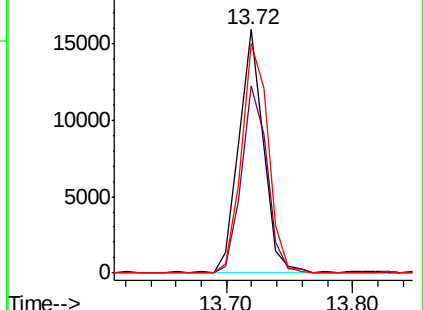
157 94.1 50.8 152.5

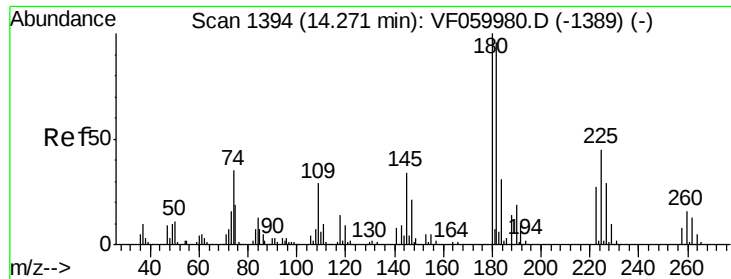


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

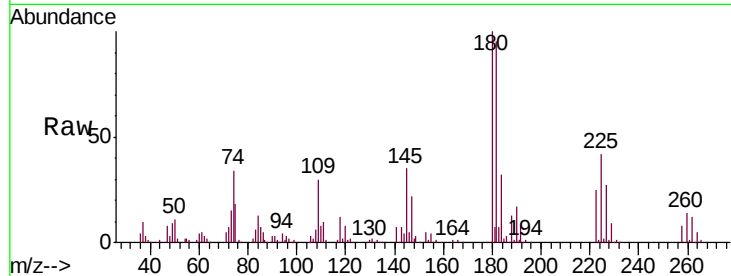




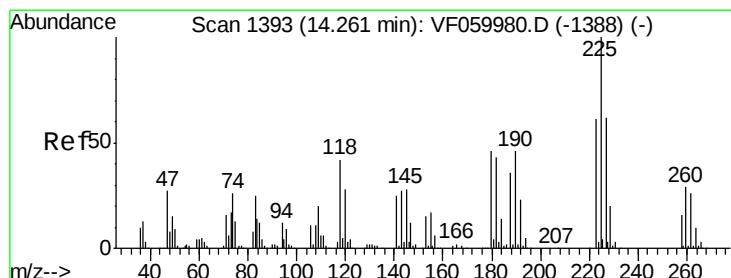
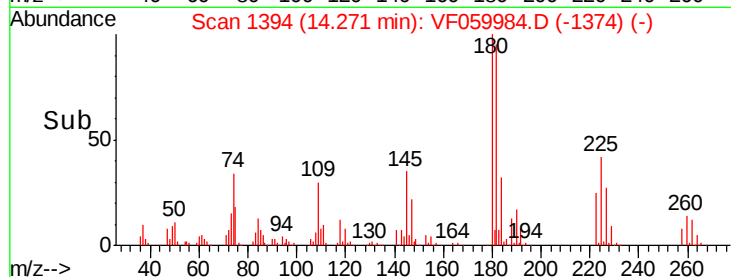
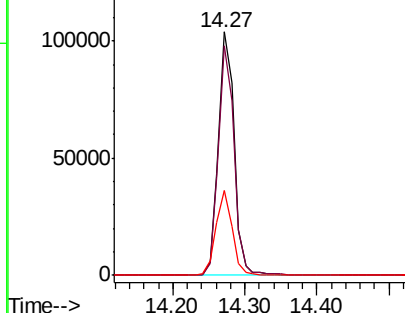
#93
 1,2,4-Trichlorobenzene
 Concen: 47.769 ug/l
 RT: 14.27 min Scan# 1394
 Delta R.T. 0.00 min
 Lab File: VF059984.D
 Acq: 17 Aug 2018 20:51

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVV081718

Tgt Ion:180 Resp: 156274
 Ion Ratio Lower Upper
 180 100
 182 94.5 47.9 143.6
 145 34.7 17.2 51.5

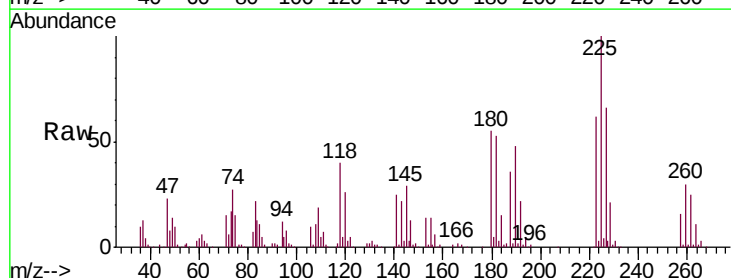


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

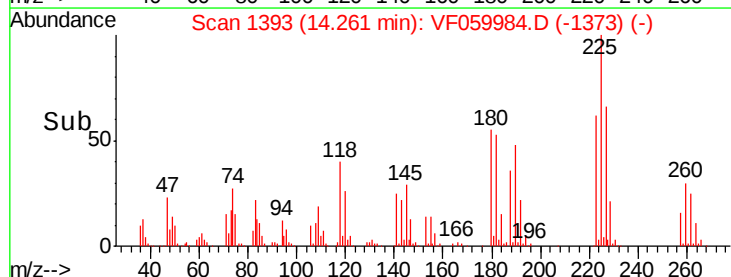
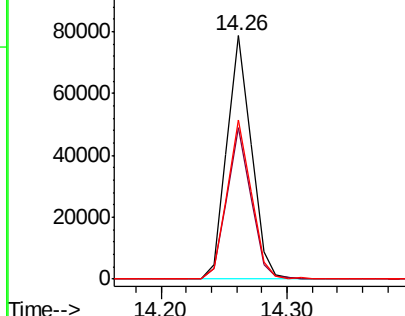


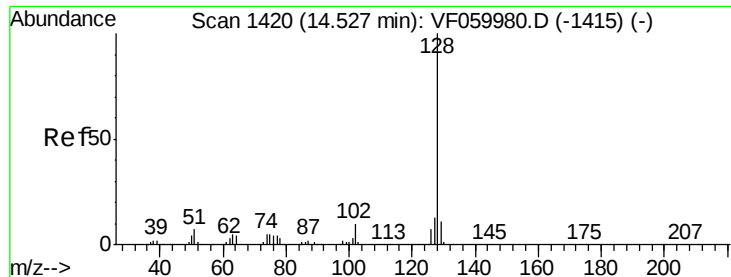
#94
 Hexachlorobutadiene
 Concen: 48.129 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. 0.00 min
 Lab File: VF059984.D
 Acq: 17 Aug 2018 20:51

Tgt Ion:225 Resp: 105474
 Ion Ratio Lower Upper
 225 100
 223 62.4 29.1 87.4
 227 65.6 29.8 89.5



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

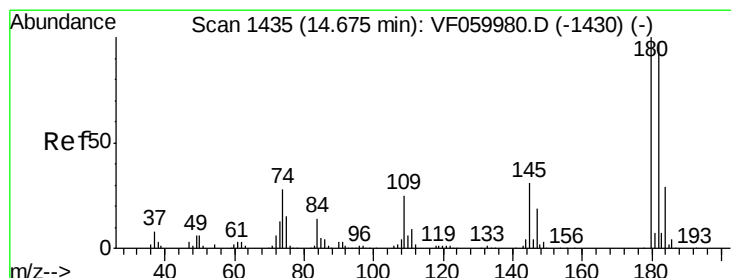
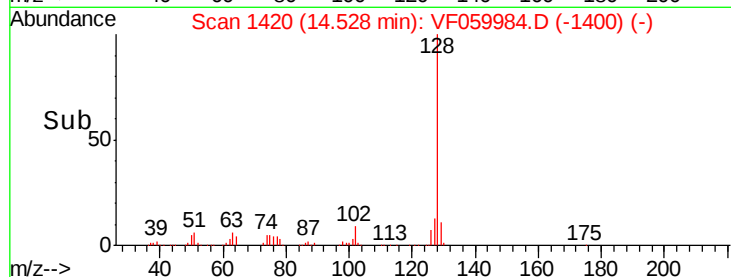
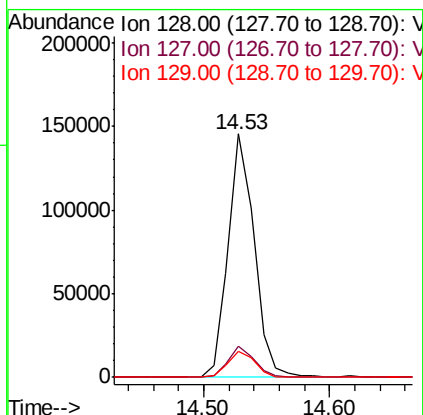
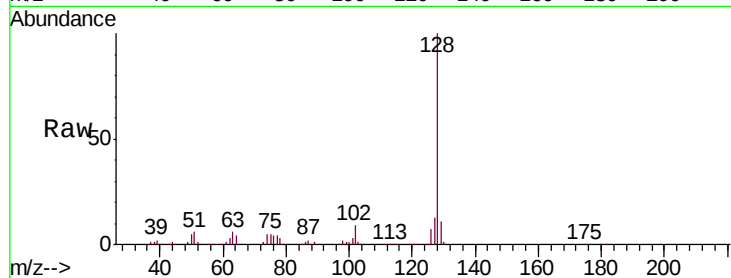




#95
Naphthalene
Concen: 45.360 ug/l
RT: 14.53 min Scan# 1420
Delta R.T. 0.00 min
Lab File: VF059984.D
Acq: 17 Aug 2018 20:51

Instrument :
MSVOA_F
ClientSampleId :
ICVVF081718

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.2
129	10.8	9.0	13.4



#96
1,2,3-Trichlorobenzene
Concen: 47.263 ug/l
RT: 14.68 min Scan# 1435
Delta R.T. 0.00 min
Lab File: VF059984.D
Acq: 17 Aug 2018 20:51

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	48.5	145.5
145	30.5	15.7	47.1

