

Data File : VF059980.D
Acq On : 17 Aug 2018 18:32
Operator : VA/AP
Sample : VSTDICCC050
Misc : 5.00g/5mL/MSVOA_F/SOIL
ALS Vial : 34 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Quant Time: Aug 17 23:41:22 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F081718S.M
Quant Title : SW846 8260
QLast Update : Fri Aug 17 23:38:00 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	132962	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	182565	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	195911	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	131207	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.03	65	120944	46.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.42%	
35) Dibromofluoromethane	4.31	113	92536	49.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.62%	
50) Toluene-d8	7.72	98	206344	50.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.18%	
62) 4-Bromofluorobenzene	11.52	95	128842	50.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.98%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	0.95	85	106263	47.191	ug/l	100
3) Chloromethane	1.07	50	47058	40.582	ug/l	100
4) Vinyl Chloride	1.12	62	59466	44.683	ug/l	100
5) Bromomethane	1.32	94	55917	42.935	ug/l	100
6) Chloroethane	1.39	64	32515	46.754	ug/l	100
7) Trichlorofluoromethane	1.49	101	185159	51.461	ug/l	100
8) Diethyl Ether	1.70	74	26797	46.611	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	1.86	101	85734	47.475	ug/l	100
10) Methyl Iodide	1.93	142	112976	49.095	ug/l	100
11) Tert butyl alcohol	2.69	59	34750	217.852	ug/l	100
12) 1,1-Dichloroethene	1.83	96	57724	46.160	ug/l	100
13) Acrolein	2.09	56	26189	310.786	ug/l	100
14) Allyl chloride	2.19	41	99612	46.930	ug/l	100
15) Acrylonitrile	3.08	53	62700	236.598	ug/l	100
16) Acetone	2.34	43	168025	201.741	ug/l	100
17) Carbon Disulfide	1.84	76	172539	43.331	ug/l	100
18) Methyl Acetate	2.45	43	62306	37.665	ug/l	100
19) Methyl tert-butyl Ether	2.54	73	198571	47.015	ug/l	100
20) Methylene Chloride	2.28	84	69113	39.357	ug/l	100
21) trans-1,2-Dichloroethene	2.41	96	59953	44.967	ug/l	100
22) Diisopropyl ether	2.93	45	222276	48.501	ug/l	100
23) Vinyl Acetate	3.34	43	487847	259.859	ug/l	100
24) 1,1-Dichloroethane	3.00	63	150837	50.012	ug/l	100
25) 2-Butanone	4.51	43	139954	214.801	ug/l	100
26) 2,2-Dichloropropane	3.76	77	134614	51.141	ug/l	100
27) cis-1,2-Dichloroethene	3.64	96	60507	49.760	ug/l	100
28) Bromochloromethane	3.90	49	37693	43.813	ug/l	100
29) Tetrahydrofuran	4.27	42	51433	221.027	ug/l	100
30) Chloroform	4.05	83	163967	47.695	ug/l	100
31) Cyclohexane	3.86	56	62053	45.786	ug/l	100
32) 1,1,1-Trichloroethane	4.29	97	165633	49.456	ug/l	100
36) 1,1-Dichloropropene	4.46	75	93585	45.428	ug/l	100
37) Ethyl Acetate	4.30	43	59032	48.593	ug/l	100
38) Carbon Tetrachloride	4.18	117	145114	49.026	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	74443	47.710	ug/l	100
40) Benzene	4.82	78	178463	50.915	ug/l	100
41) Methacrylonitrile	4.93	41	27016	46.933	ug/l	100
42) 1,2-Dichloroethane	5.12	62	146005	48.094	ug/l	100
43) Isopropyl Acetate	7.12	43	63867	48.235	ug/l	100
44) Trichloroethene	5.68	130	67608	49.403	ug/l	100
45) 1,2-Dichloropropane	6.41	63	51264	51.278	ug/l	100
46) Dibromomethane	6.27	93	47657	47.000	ug/l	100
47) Bromodichloromethane	6.55	83	134769	50.329	ug/l	100
48) Methyl methacrylate	6.88	41	48590	49.231	ug/l	100
49) 1,4-Dioxane	6.88	88	8053	1019.250	ug/l	100
51) 4-Methyl-2-Pentanone	8.42	43	287630	232.623	ug/l	100
52) Toluene	7.79	92	127944	48.465	ug/l	100
53) t-1,3-Dichloropropene	8.44	75	112709	49.572	ug/l	100
54) cis-1,3-Dichloropropene	7.47	75	113322	51.706	ug/l	100
55) 1,1,2-Trichloroethane	8.65	97	53103	49.063	ug/l	100
56) Ethyl methacrylate	8.77	69	64199	50.906	ug/l	100
57) 1,3-Dichloropropane	9.01	76	93820	48.800	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.79	63	31315	302.061	ug/l	100
59) 2-Hexanone	9.64	43	231632	225.467	ug/l	100
60) Dibromochloromethane	8.87	129	99455	50.761	ug/l	100
61) 1,2-Dibromoethane	9.15	107	66905	48.998	ug/l	100
64) Tetrachloroethene	8.32	164	66789	45.420	ug/l	100
65) Chlorobenzene	9.95	112	181075	47.372	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.08	131	83628	47.604	ug/l	100
67) Ethyl Benzene	10.05	91	323798	47.191	ug/l	100
68) m/p-Xylenes	10.28	106	213080	89.228	ug/l	100
69) o-Xylene	10.84	106	122289	49.792	ug/l	100
70) Styrene	10.91	104	183661	46.956	ug/l	100
71) Bromoform	10.90	173	60685	45.879	ug/l	100
73) Isopropylbenzene	11.24	105	382334	48.728	ug/l	100
74) N-amyl acetate	11.47	43	116184	50.066	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.80	83	75207	46.994	ug/l	100
76) 1,2,3-Trichloropropane	11.90	75	66145	46.231	ug/l	100
77) Bromobenzene	11.60	156	106645	48.173	ug/l	100
78) n-propylbenzene	11.70	91	461311	47.348	ug/l	100
79) 2-Chlorotoluene	11.82	91	291314	48.817	ug/l	100
80) 1,3,5-Trimethylbenzene	11.93	105	348914	49.123	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.96	75	38000	51.518	ug/l	100
82) 4-Chlorotoluene	11.99	91	314887	48.461	ug/l	100
83) tert-Butylbenzene	12.22	119	347351	49.477	ug/l	100
84) 1,2,4-Trimethylbenzene	12.30	105	365949	49.055	ug/l	100
85) sec-Butylbenzene	12.40	105	450371	49.027	ug/l	100
86) p-Isopropyltoluene	12.55	119	383335	47.206	ug/l	100
87) 1,3-Dichlorobenzene	12.57	146	194794	46.547	ug/l	100
88) 1,4-Dichlorobenzene	12.65	146	197694	48.245	ug/l	100
89) n-Butylbenzene	12.93	91	388896	49.543	ug/l	100
90) Hexachloroethane	13.00	117	92653	50.708	ug/l	100
91) 1,2-Dichlorobenzene	13.03	146	195587	48.570	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.72	75	21978	48.714	ug/l	100

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

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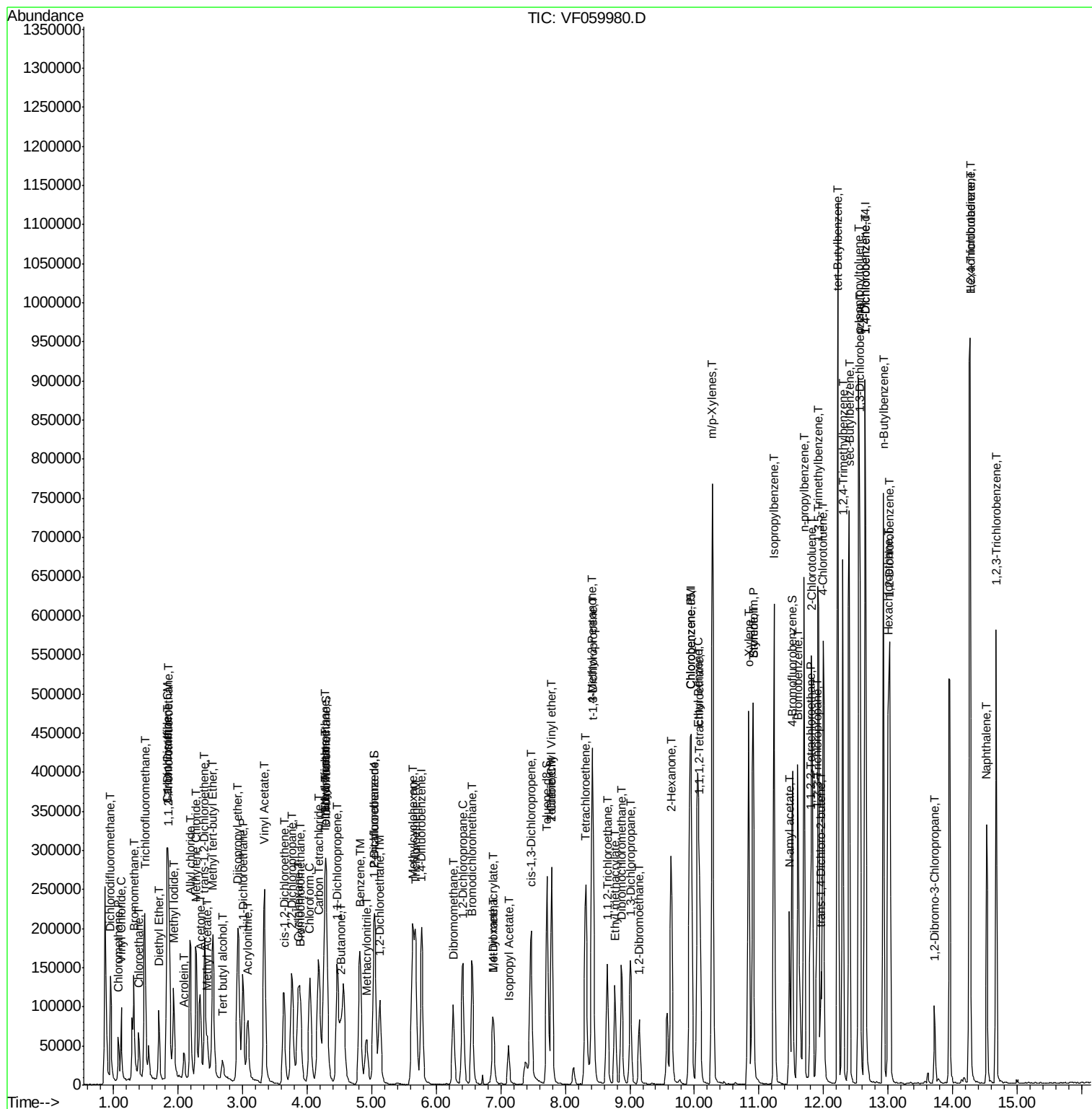
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	161512	49.434	ug/l	100
94) Hexachlorobutadiene	14.26	225	108977	50.512	ug/l	100
95) Naphthalene	14.53	128	233744	49.189	ug/l	100
96) 1,2,3-Trichlorobenzene	14.68	180	159823	50.635	ug/l	100

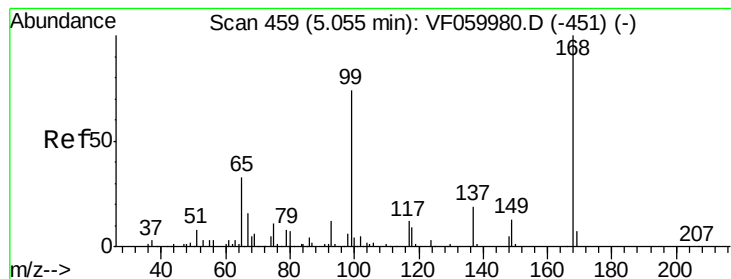
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.05 min Scan# 459

Delta R.T. 0.00 min

Lab File: VF059980.D

Acq: 17 Aug 2018 18:32

Instrument :

MSVOA_F

ClientSampleId :

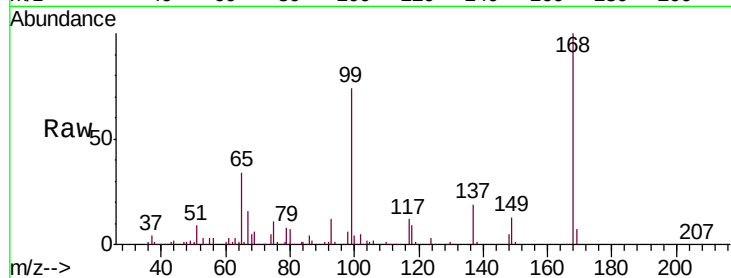
VSTDICCC050

Tgt Ion:168 Resp: 132962

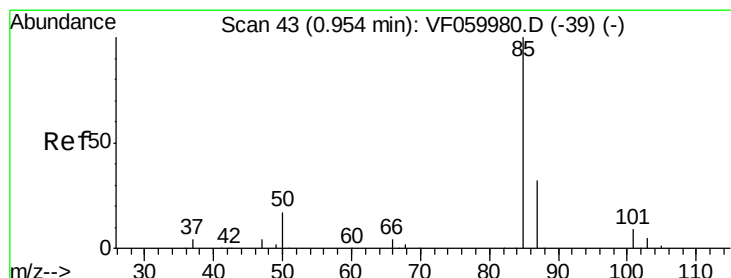
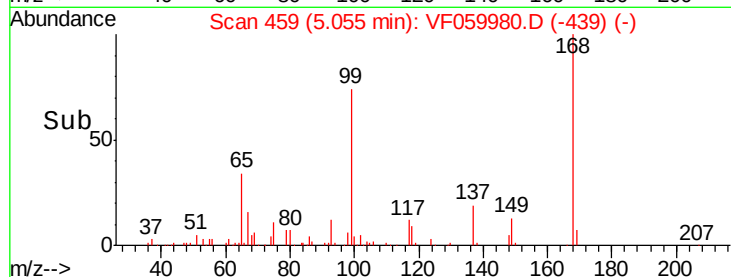
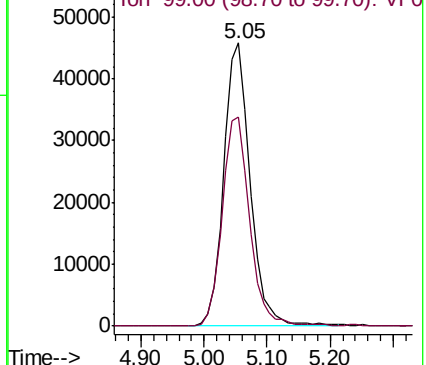
Ion Ratio Lower Upper

168 100

99 73.8 59.0 88.6



Abundance Ion 168.00 (167.70 to 168.70): VF0



#2

Dichlorodifluoromethane

Concen: 47.191 ug/l

RT: 0.95 min Scan# 43

Delta R.T. 0.00 min

Lab File: VF059980.D

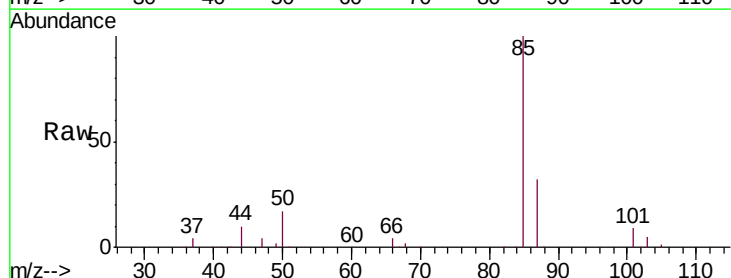
Acq: 17 Aug 2018 18:32

Tgt Ion: 85 Resp: 106263

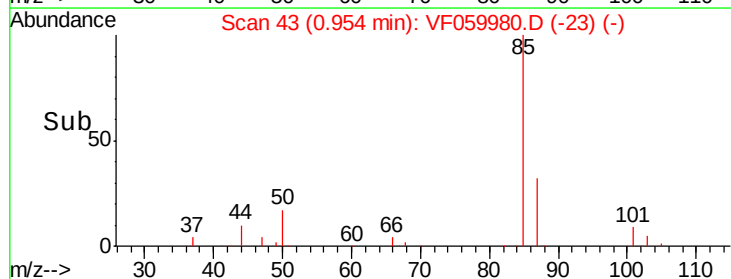
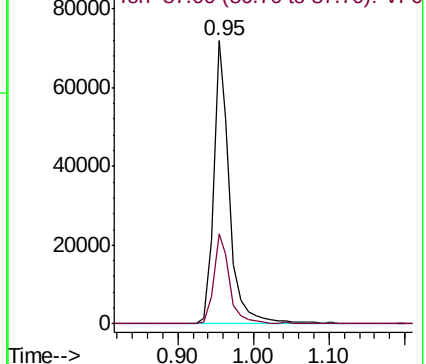
Ion Ratio Lower Upper

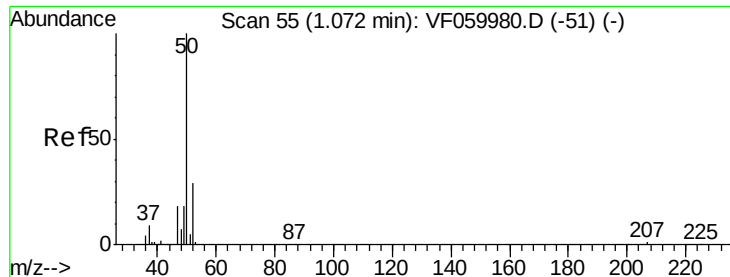
85 100

87 31.8 15.9 47.7



Abundance Ion 85.00 (84.70 to 85.70): VF0





#3

Chloromethane

Concen: 40.582 ug/l

RT: 1.07 min Scan# 55

Delta R.T. 0.00 min

Lab File: VF059980.D

Acq: 17 Aug 2018 18:32

Instrument :

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ClientSampleId :

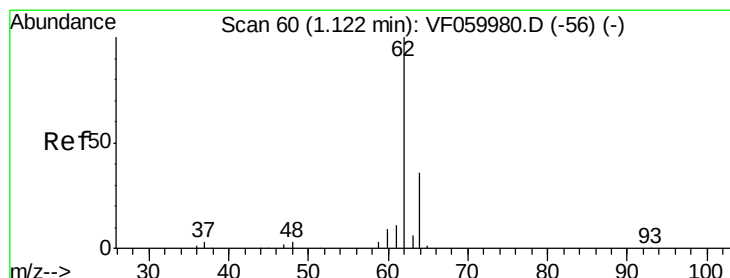
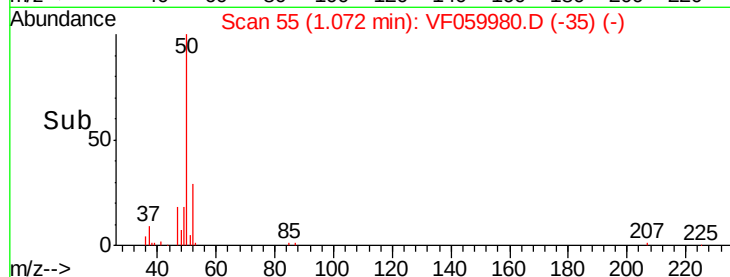
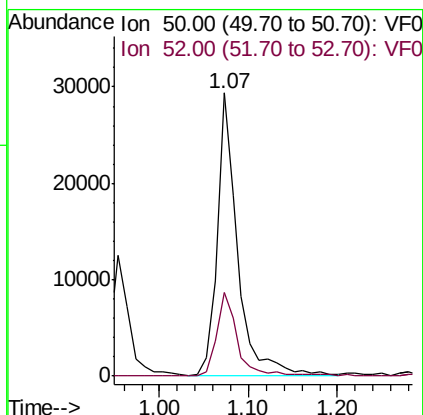
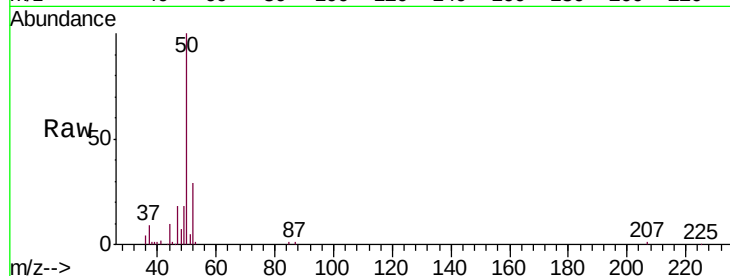
VSTDICCC050

Tgt Ion: 50 Resp: 47058

Ion Ratio Lower Upper

50 100

52 29.5 23.6 35.4



#4

Vinyl Chloride

Concen: 44.683 ug/l

RT: 1.12 min Scan# 60

Delta R.T. 0.00 min

Lab File: VF059980.D

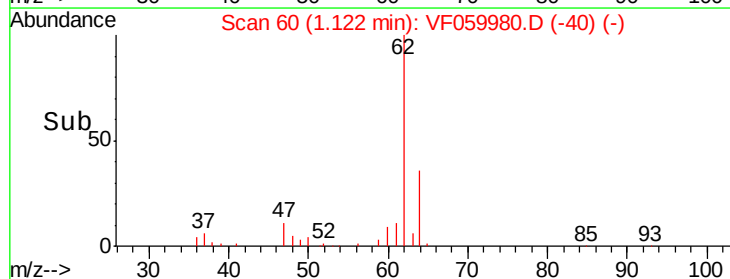
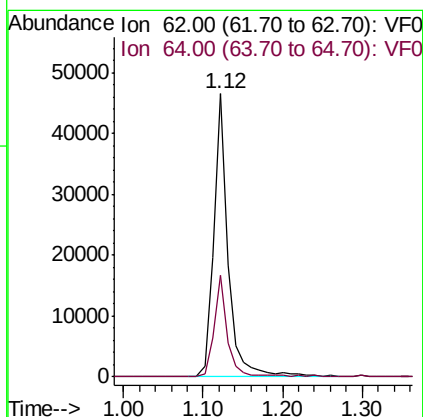
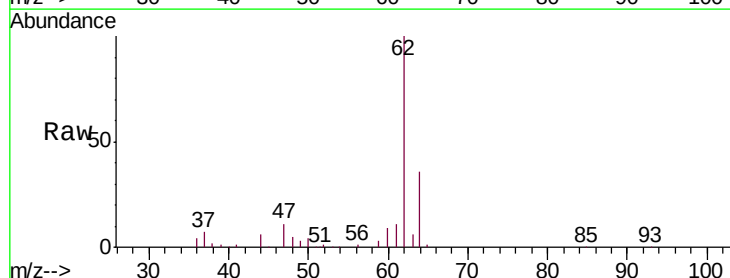
Acq: 17 Aug 2018 18:32

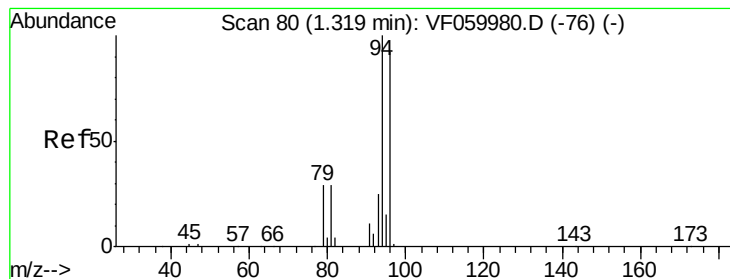
Tgt Ion: 62 Resp: 59466

Ion Ratio Lower Upper

62 100

64 35.9 28.7 43.1





#5

Bromomethane

Concen: 42.935 ug/l

RT: 1.32 min Scan# 80

Delta R.T. 0.00 min

Lab File: VF059980.D

Acq: 17 Aug 2018 18:32

Instrument :

MSVOA_F

ClientSampleId :

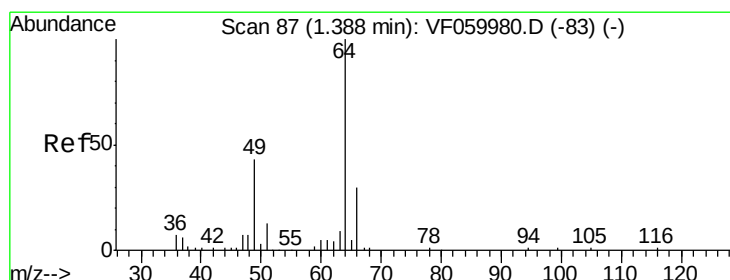
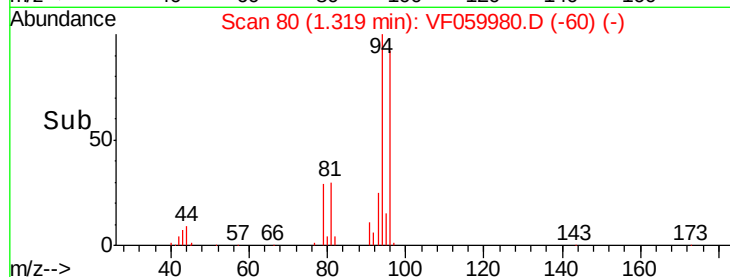
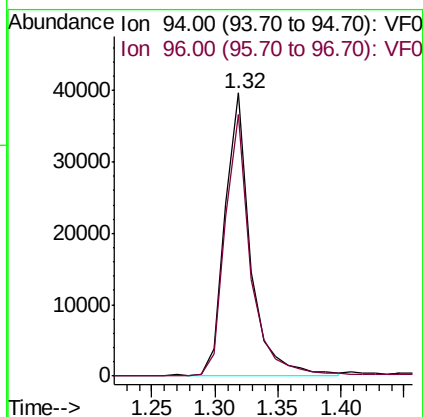
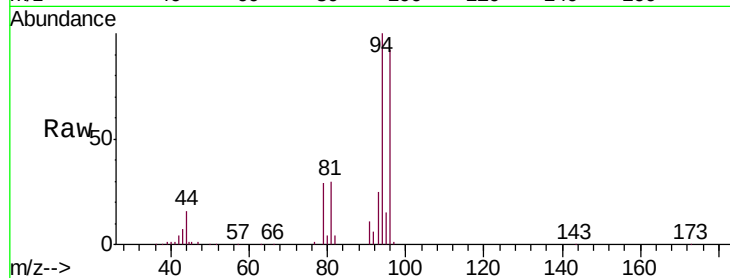
VSTDICCC050

Tgt Ion: 94 Resp: 55917

Ion Ratio Lower Upper

94 100

96 92.4 73.9 110.9



#6

Chloroethane

Concen: 46.754 ug/l

RT: 1.39 min Scan# 87

Delta R.T. 0.00 min

Lab File: VF059980.D

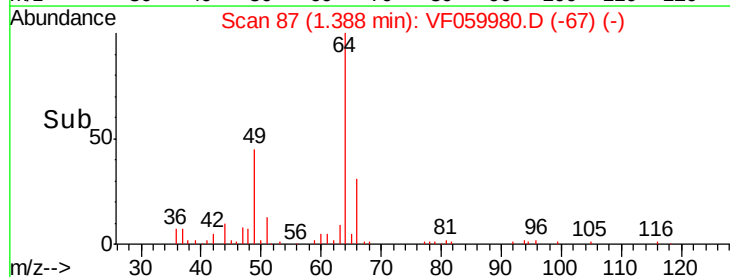
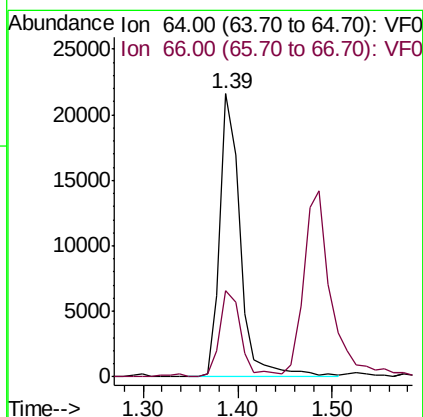
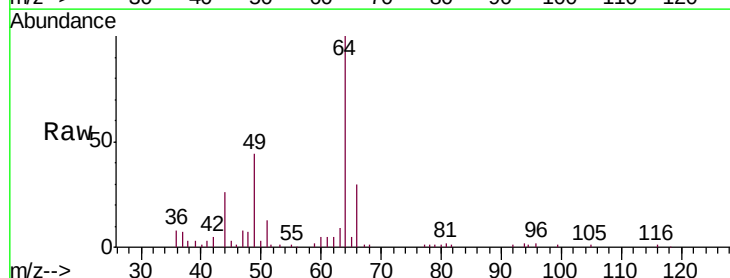
Acq: 17 Aug 2018 18:32

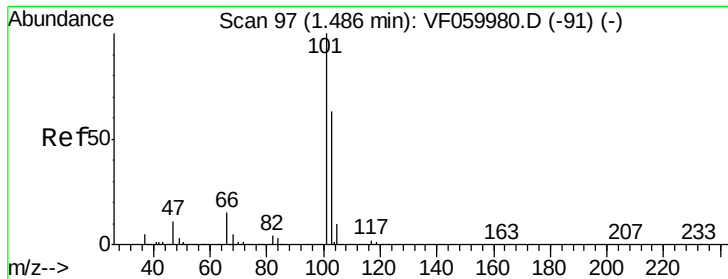
Tgt Ion: 64 Resp: 32515

Ion Ratio Lower Upper

64 100

66 30.5 24.4 36.6





#7

Trichlorofluoromethane

Concen: 51.461 ug/l

RT: 1.49 min Scan# 97

Delta R.T. 0.00 min

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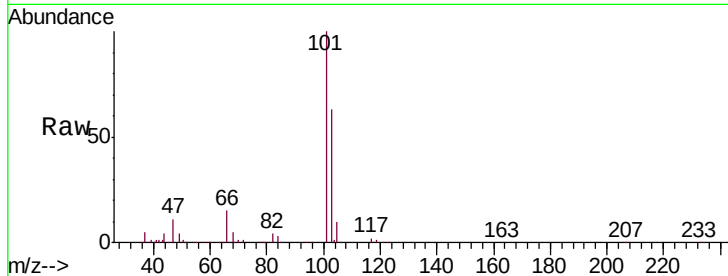
VSTDICCC050

Tgt Ion:101 Resp: 185159

Ion Ratio Lower Upper

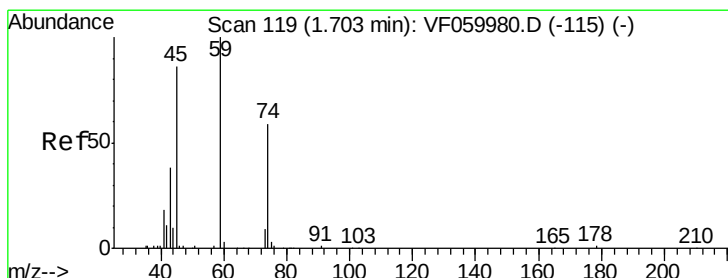
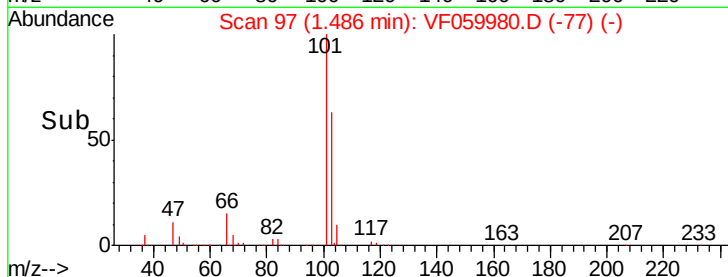
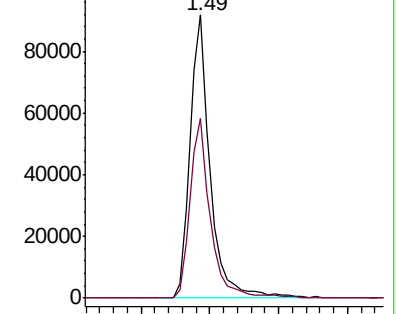
101 100

103 63.5 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: 46.611 ug/l

RT: 1.70 min Scan# 119

Delta R.T. 0.00 min

Lab File: VF059980.D

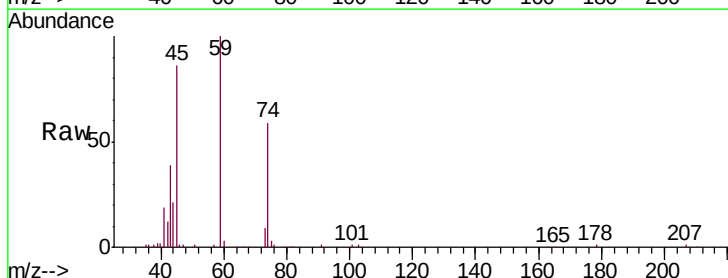
Acq: 17 Aug 2018 18:32

Tgt Ion: 74 Resp: 26797

Ion Ratio Lower Upper

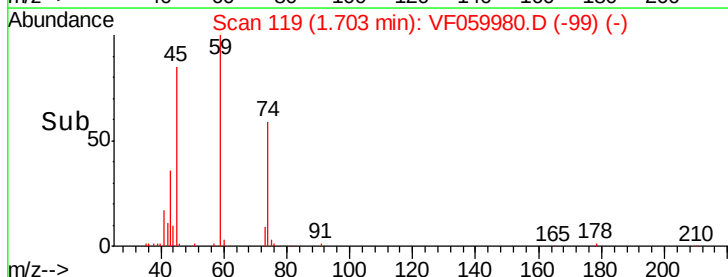
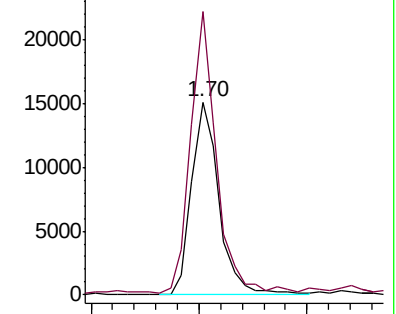
74 100

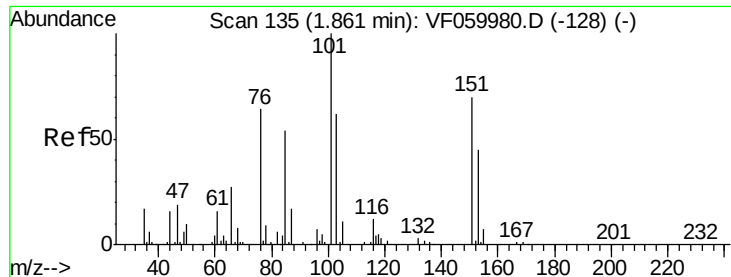
45 146.9 73.5 220.3



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: 47.475 ug/l

RT: 1.86 min Scan# 135

Delta R.T. 0.00 min

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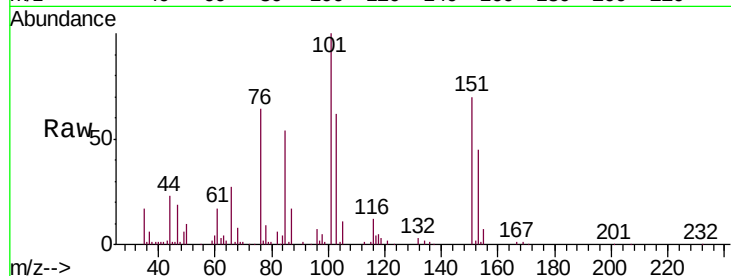
Tgt Ion:101 Resp: 85734

Ion Ratio Lower Upper

101 100

85 53.8 43.0 64.6

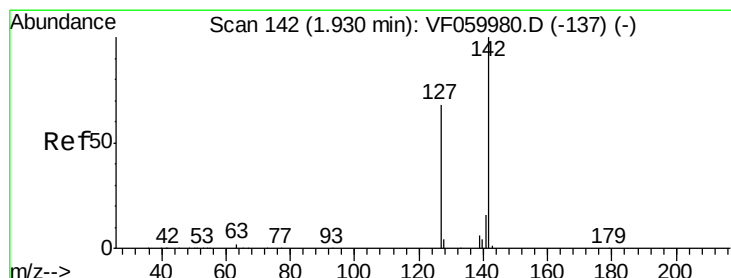
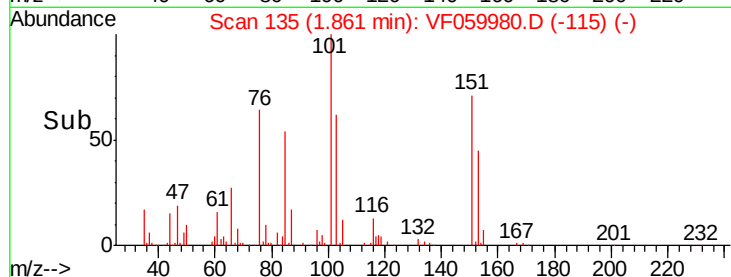
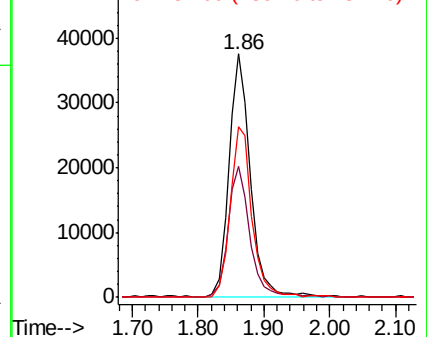
151 70.2 56.2 84.2



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: 49.095 ug/l

RT: 1.93 min Scan# 142

Delta R.T. 0.00 min

Lab File: VF059980.D

Acq: 17 Aug 2018 18:32

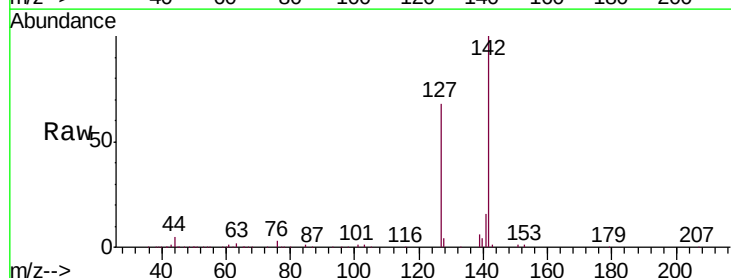
Tgt Ion:142 Resp: 112976

Ion Ratio Lower Upper

142 100

127 67.6 54.1 81.1

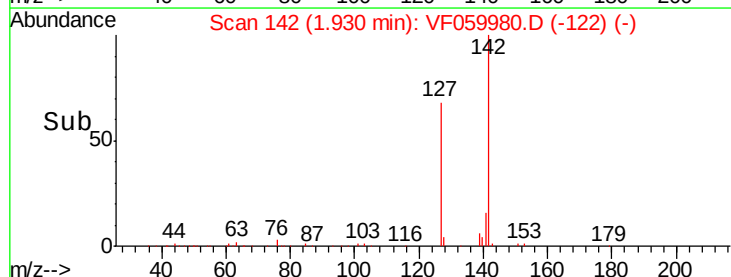
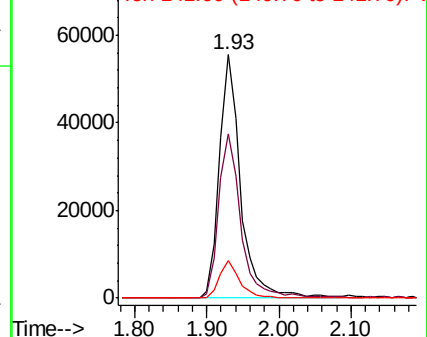
141 15.6 12.5 18.7

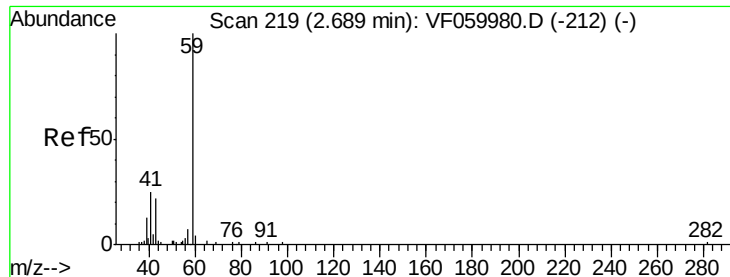


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V

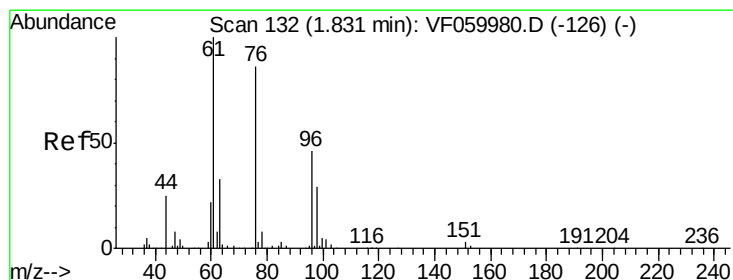
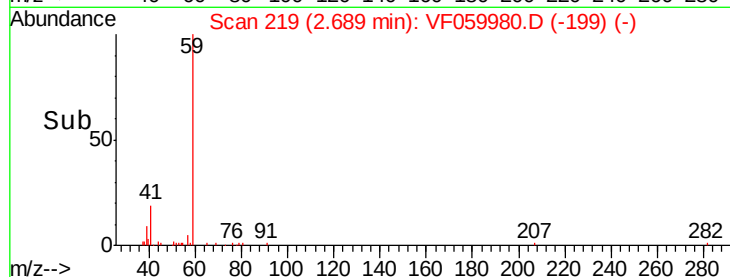
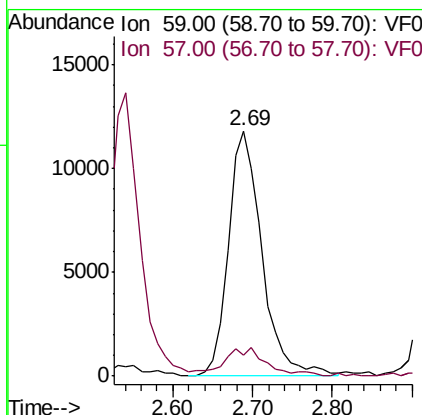
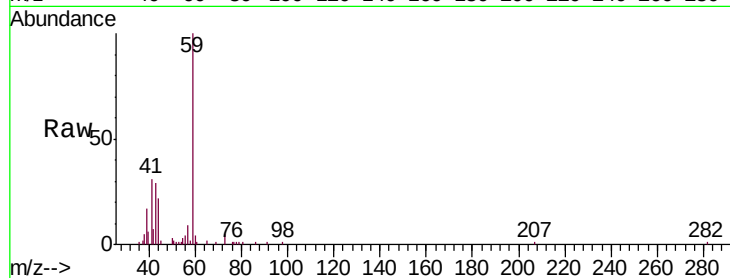




#11
Tert butyl alcohol
Concen: 217.852 ug/l
RT: 2.69 min Scan# 219
Delta R.T. 0.00 min
Lab File: VF059980.D
Acq: 17 Aug 2018 18:32

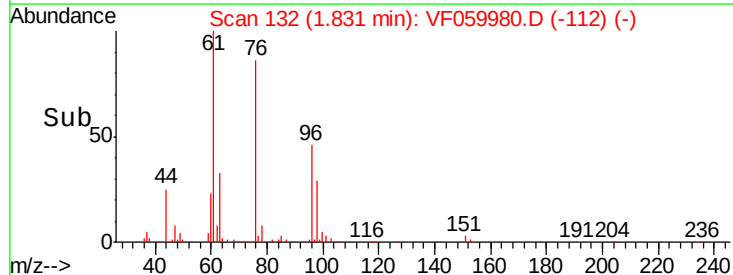
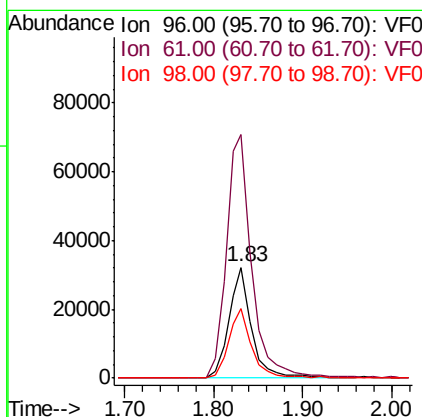
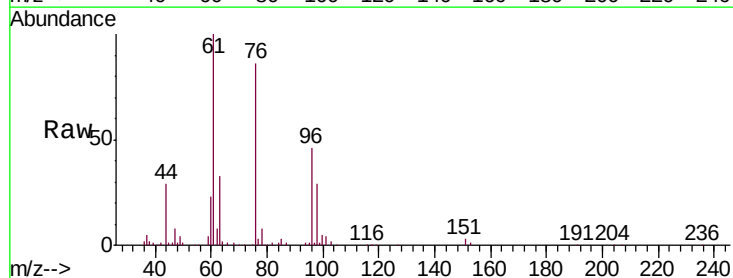
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

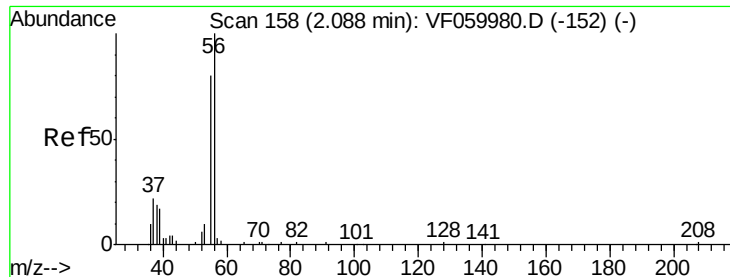
Tgt Ion: 59 Resp: 34750
Ion Ratio Lower Upper
59 100
57 8.5 6.8 10.2



#12
1,1-Dichloroethene
Concen: 46.160 ug/l
RT: 1.83 min Scan# 132
Delta R.T. 0.00 min
Lab File: VF059980.D
Acq: 17 Aug 2018 18:32

Tgt Ion: 96 Resp: 57724
Ion Ratio Lower Upper
96 100
61 219.5 175.6 263.4
98 63.2 50.6 75.8





#13

Acrolein

Concen: 310.786 ug/l

RT: 2.09 min Scan# 158

Delta R.T. 0.00 min

Lab File: VF059980.D

Acq: 17 Aug 2018 18:32

Instrument :

MSVOA_F

ClientSampleId :

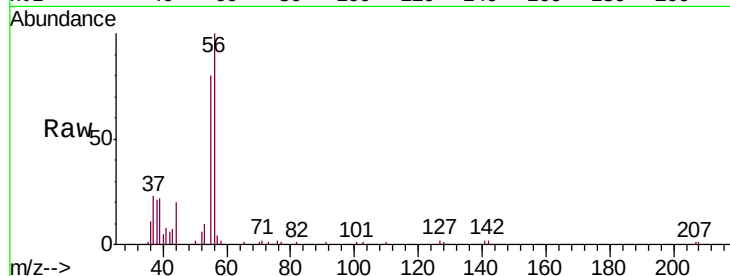
VSTDICCC050

Tgt Ion: 56 Resp: 26189

Ion Ratio Lower Upper

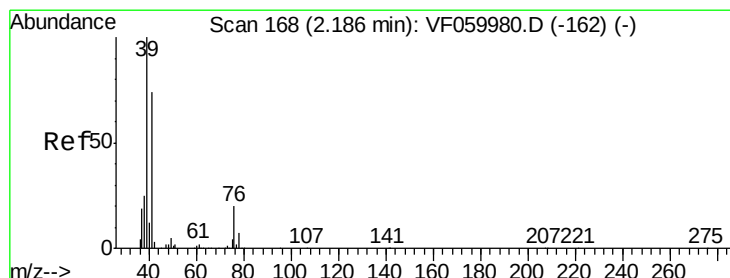
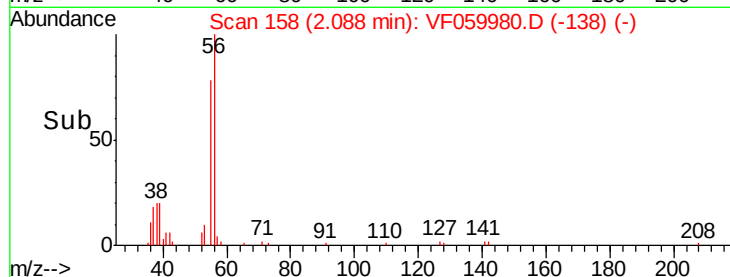
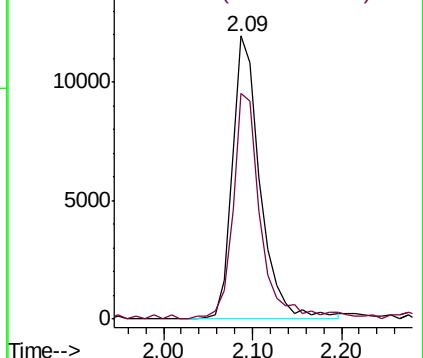
56 100

55 79.7 63.8 95.6



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#14

Allyl chloride

Concen: 46.930 ug/l

RT: 2.19 min Scan# 168

Delta R.T. 0.00 min

Lab File: VF059980.D

Acq: 17 Aug 2018 18:32

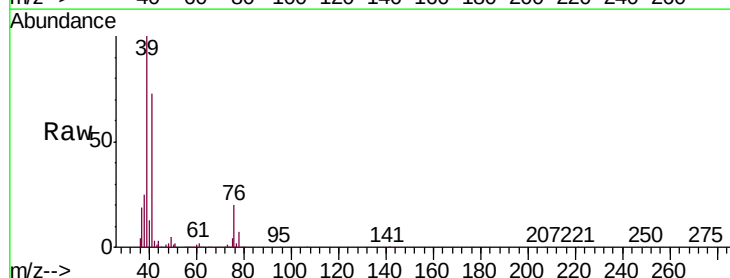
Tgt Ion: 41 Resp: 99612

Ion Ratio Lower Upper

41 100

39 136.6 109.3 163.9

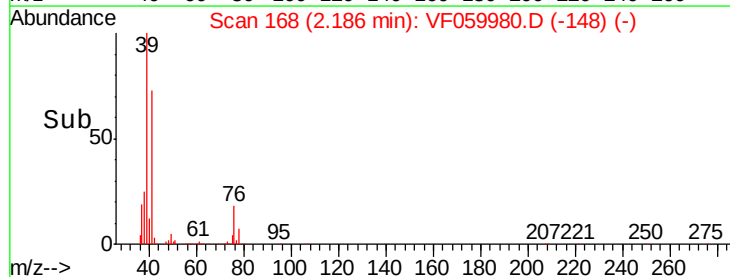
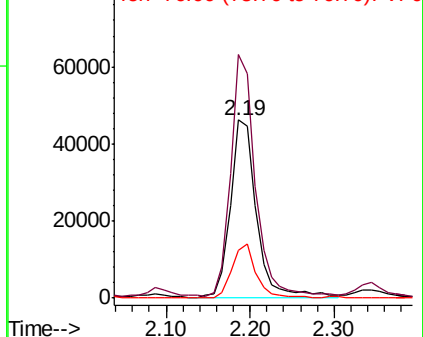
76 26.6 21.3 31.9

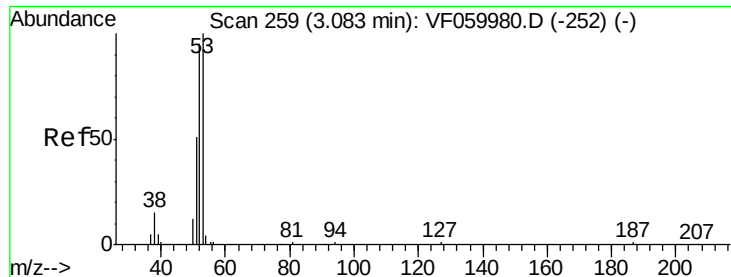


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0





#15

Acrylonitrile

Concen: 236.598 ug/l

RT: 3.08 min Scan# 259

Delta R.T. 0.00 min

Lab File: VF059980.D

Acq: 17 Aug 2018 18:32

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

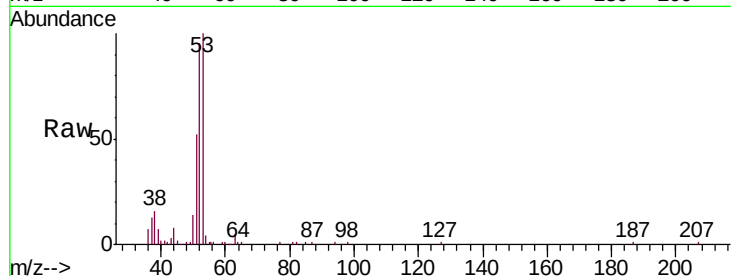
Tgt Ion: 53 Resp: 62700

Ion Ratio Lower Upper

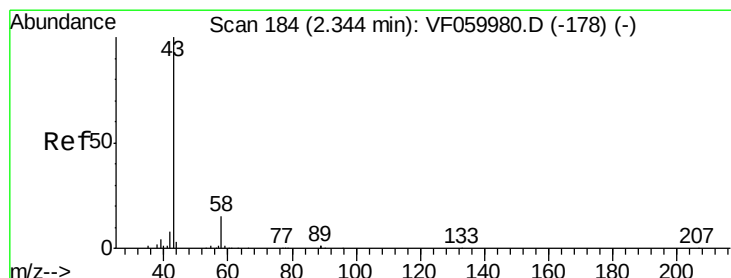
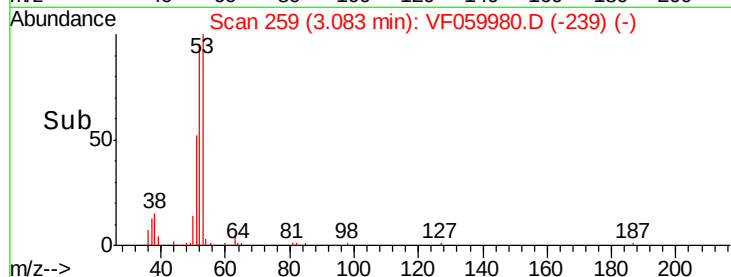
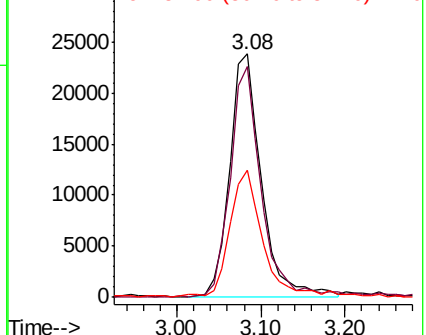
53 100

52 95.0 76.0 114.0

51 52.4 41.9 62.9



Abundance Ion 53.00 (52.70 to 53.70): VF0
Ion 52.00 (51.70 to 52.70): VF0
Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 201.741 ug/l

RT: 2.34 min Scan# 184

Delta R.T. 0.00 min

Lab File: VF059980.D

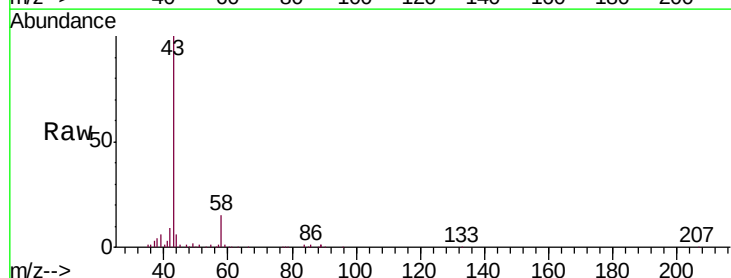
Acq: 17 Aug 2018 18:32

Tgt Ion: 43 Resp: 168025

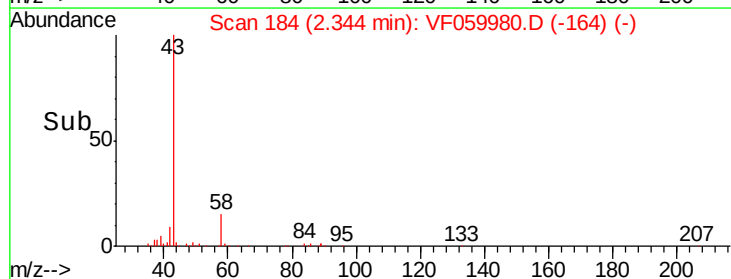
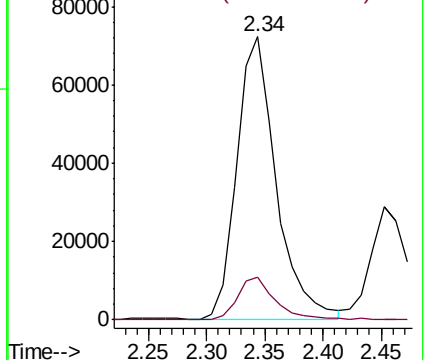
Ion Ratio Lower Upper

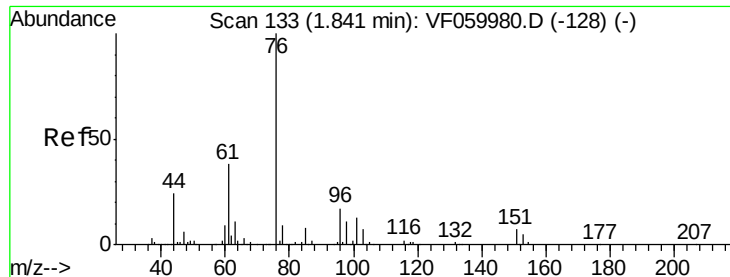
43 100

58 14.9 11.9 17.9



Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 58.00 (57.70 to 58.70): VF0

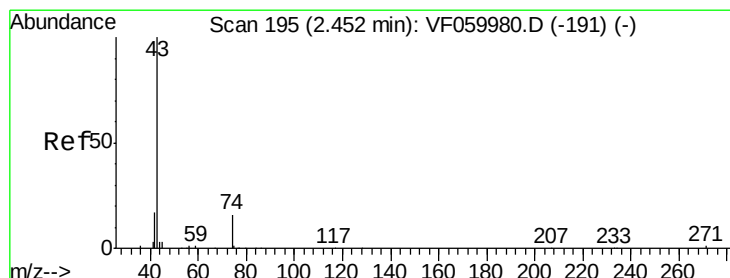
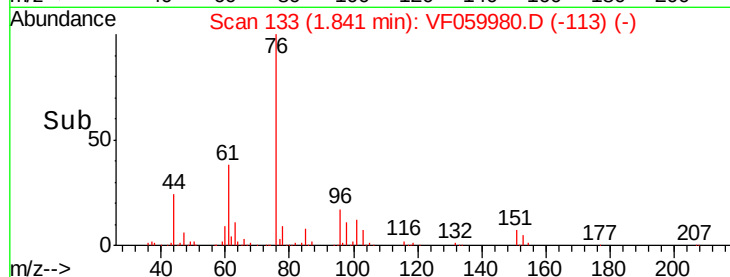
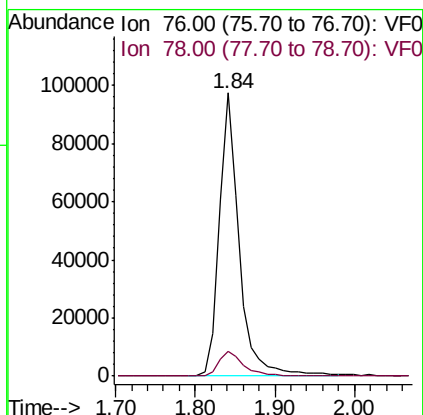
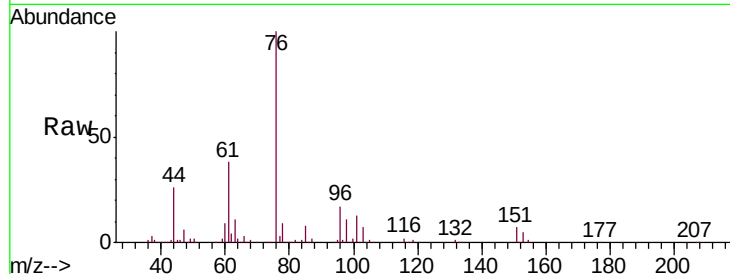




#17
Carbon Disulfide
Concen: 43.331 ug/l
RT: 1.84 min Scan# 133
Delta R.T. 0.00 min
Lab File: VF059980.D
Acq: 17 Aug 2018 18:32

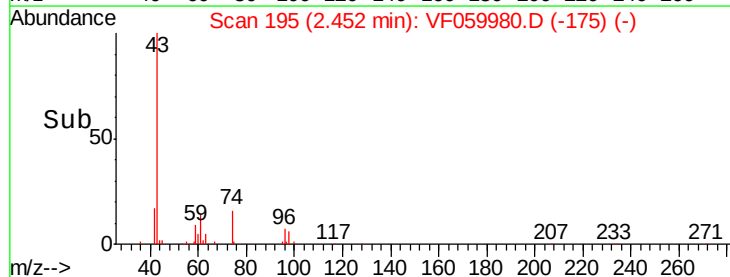
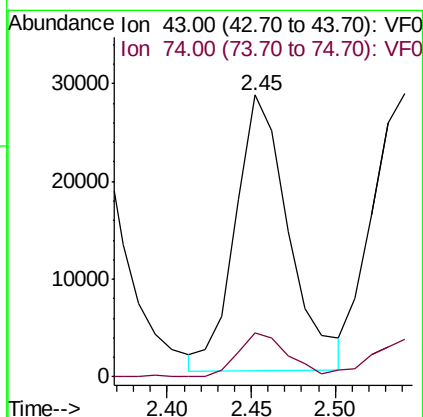
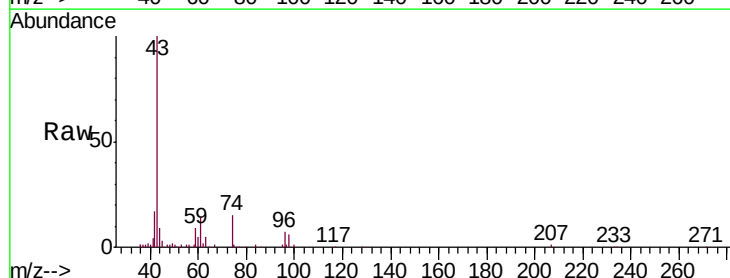
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

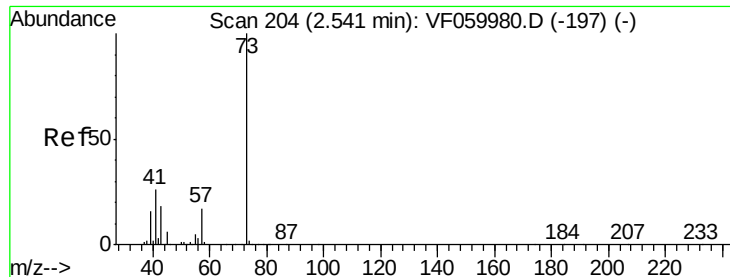
Tgt Ion: 76 Resp: 172539
Ion Ratio Lower Upper
76 100
78 9.0 7.2 10.8



#18
Methyl Acetate
Concen: 37.665 ug/l
RT: 2.45 min Scan# 195
Delta R.T. 0.00 min
Lab File: VF059980.D
Acq: 17 Aug 2018 18:32

Tgt Ion: 43 Resp: 62306
Ion Ratio Lower Upper
43 100
74 15.4 12.3 18.5



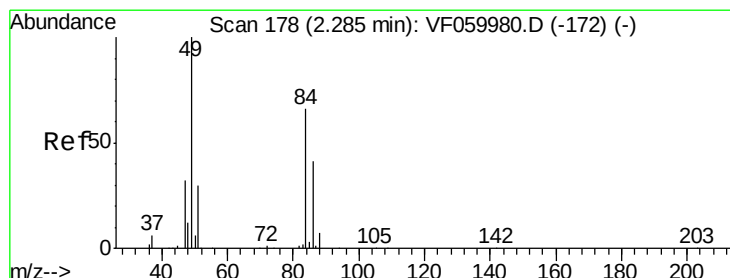
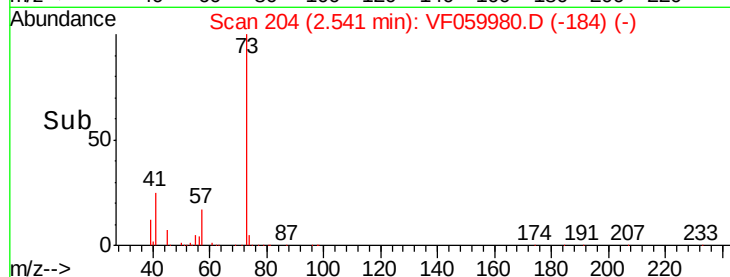
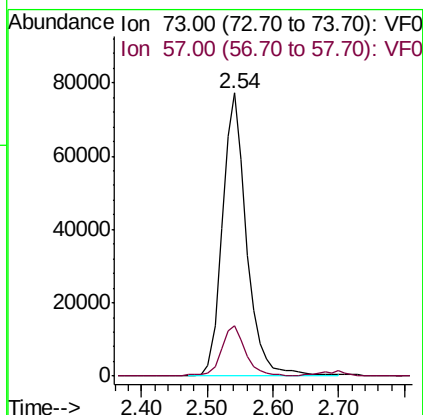
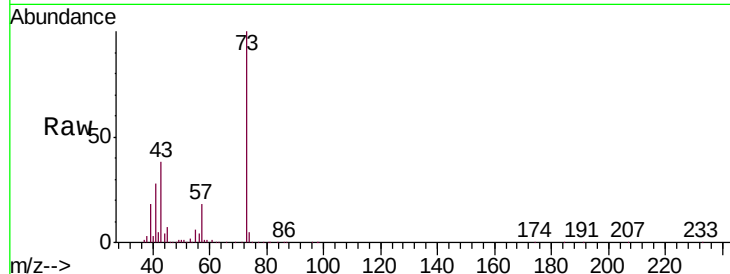


#19

Methyl tert-butyl Ether
 Concen: 47.015 ug/l
 RT: 2.54 min Scan# 204
 Delta R.T. 0.00 min
 Lab File: VF059980.D
 Acq: 17 Aug 2018 18:32

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

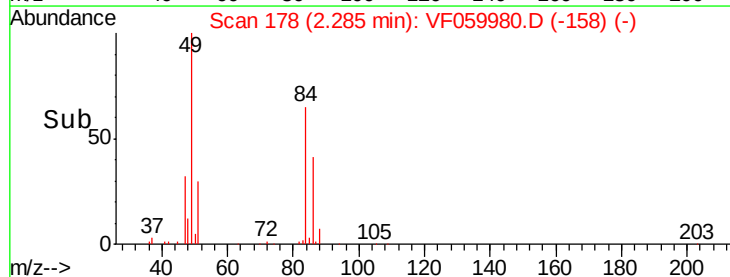
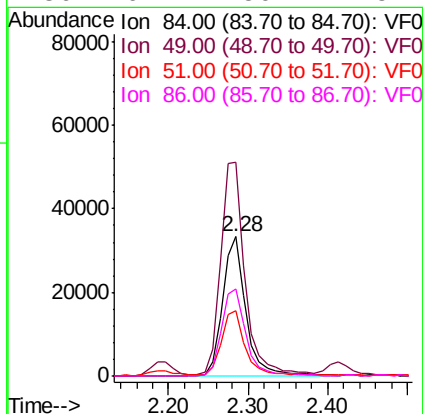
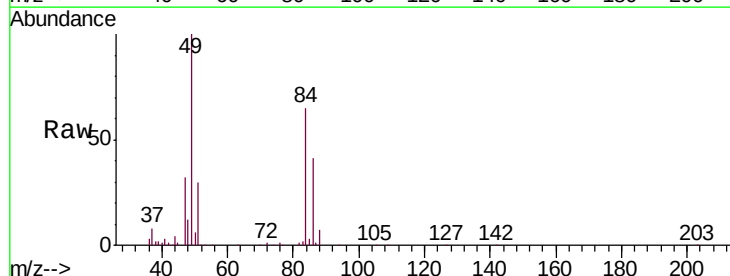
Tgt Ion: 73 Resp: 198571
 Ion Ratio Lower Upper
 73 100
 57 17.7 14.2 21.2

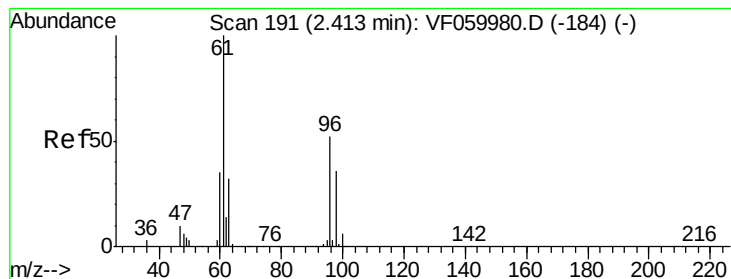


#20

Methylene Chloride
 Concen: 39.357 ug/l
 RT: 2.28 min Scan# 178
 Delta R.T. 0.00 min
 Lab File: VF059980.D
 Acq: 17 Aug 2018 18:32

Tgt Ion: 84 Resp: 69113
 Ion Ratio Lower Upper
 84 100
 49 153.1 122.5 183.7
 51 46.4 37.1 55.7
 86 62.7 50.2 75.2





#21

trans-1,2-Dichloroethene

Concen: 44.967 ug/l

RT: 2.41 min Scan# 191

Delta R.T. 0.00 min

Lab File: VF059980.D

Acq: 17 Aug 2018 18:32

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

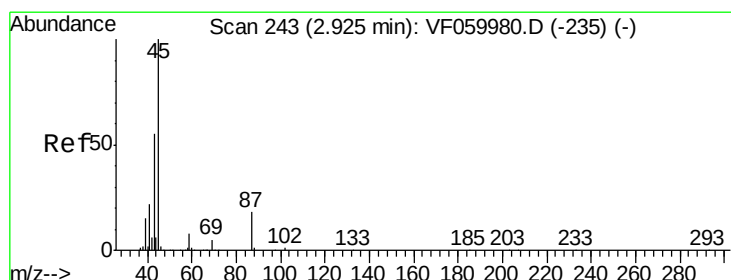
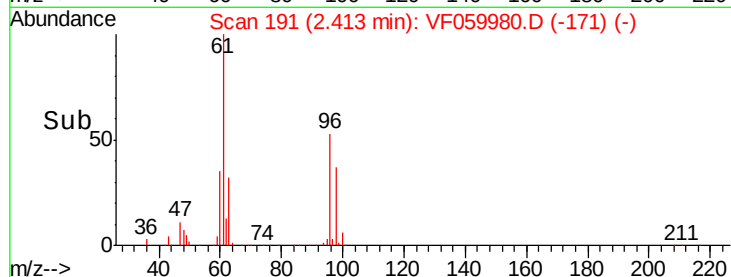
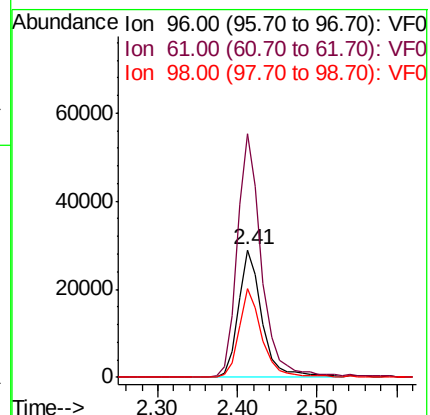
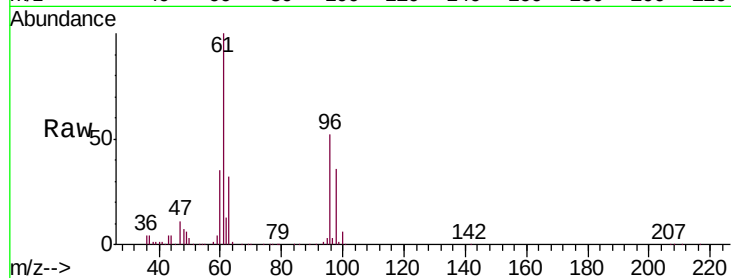
Tgt Ion: 96 Resp: 59953

Ion Ratio Lower Upper

96 100

61 191.2 153.0 229.4

98 69.4 55.5 83.3



#22

Diisopropyl ether

Concen: 48.501 ug/l

RT: 2.93 min Scan# 243

Delta R.T. 0.00 min

Lab File: VF059980.D

Acq: 17 Aug 2018 18:32

Tgt Ion: 45 Resp: 222276

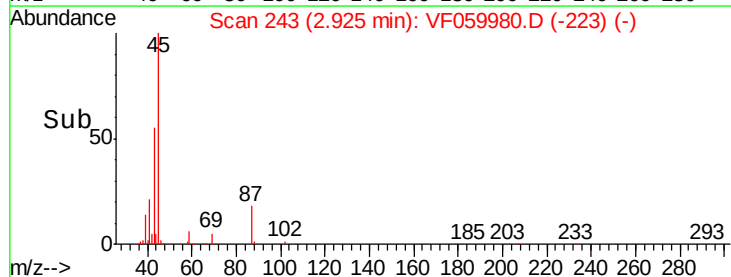
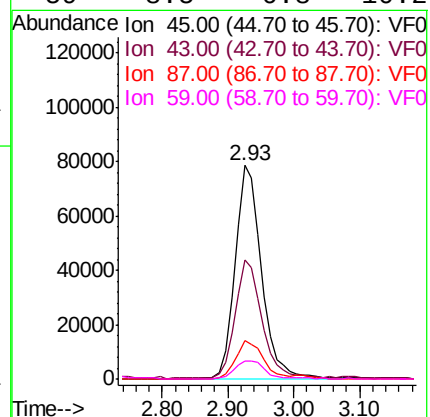
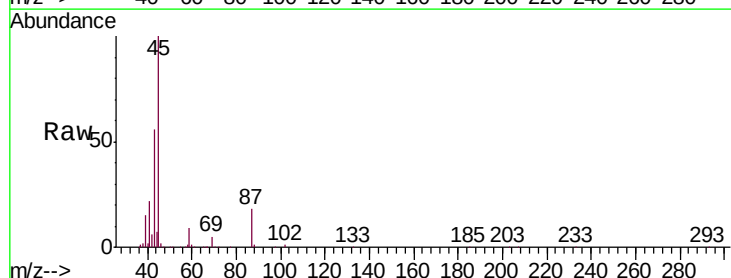
Ion Ratio Lower Upper

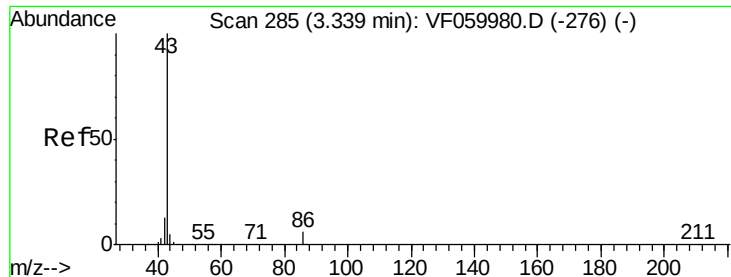
45 100

43 56.0 44.8 67.2

87 18.2 14.6 21.8

59 8.5 6.8 10.2





#23

Vinyl Acetate

Concen: 259.859 ug/l

RT: 3.34 min Scan# 285

Delta R.T. 0.00 min

Lab File: VF059980.D

Acq: 17 Aug 2018 18:32

Instrument :

MSVOA_F

ClientSampleId :

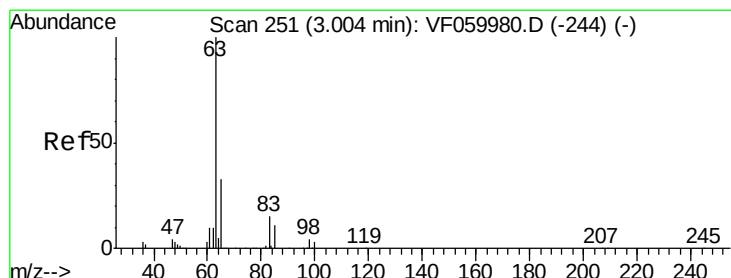
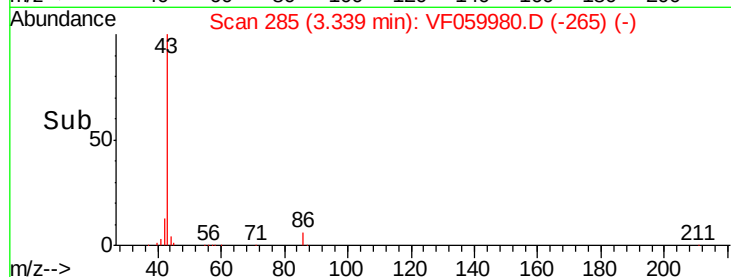
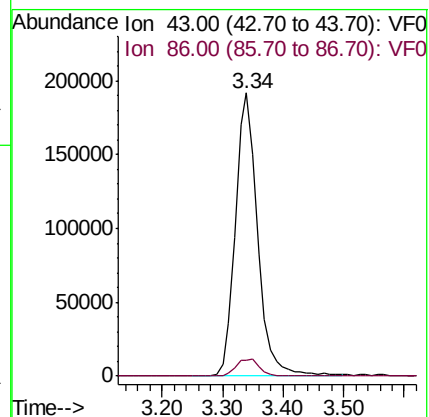
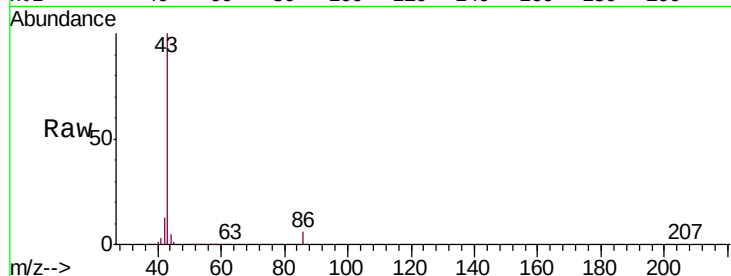
VSTDICCC050

Tgt Ion: 43 Resp: 487847

Ion Ratio Lower Upper

43 100

86 5.5 4.4 6.6



#24

1,1-Dichloroethane

Concen: 50.012 ug/l

RT: 3.00 min Scan# 251

Delta R.T. 0.00 min

Lab File: VF059980.D

Acq: 17 Aug 2018 18:32

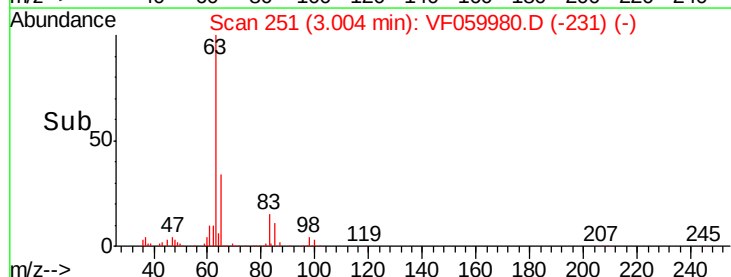
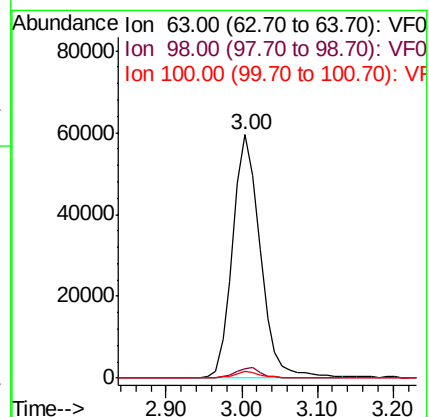
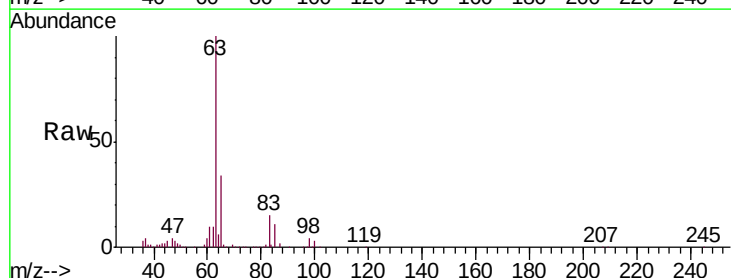
Tgt Ion: 63 Resp: 150837

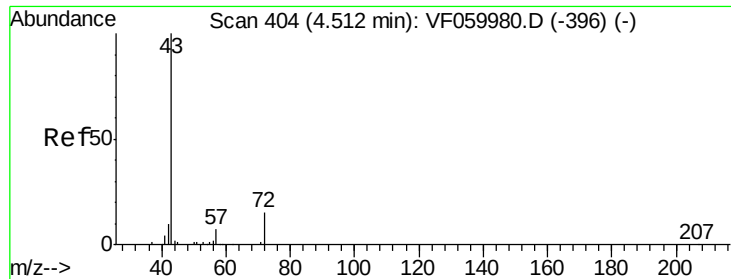
Ion Ratio Lower Upper

63 100

98 3.9 2.0 5.8

100 2.8 1.4 4.2

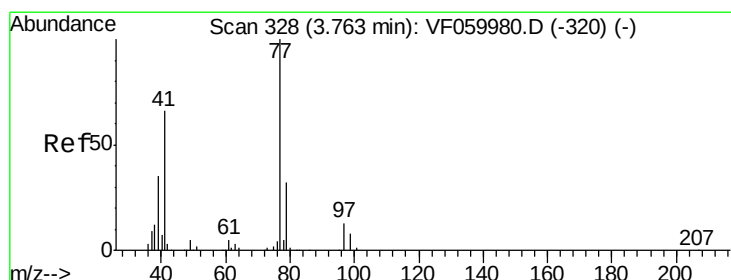
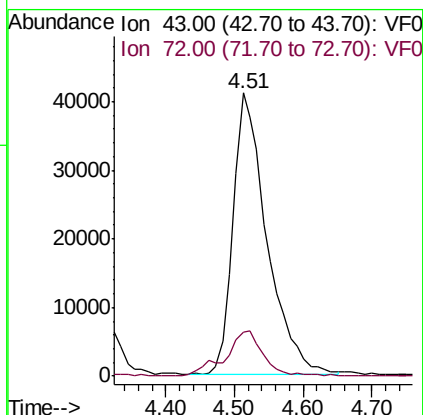
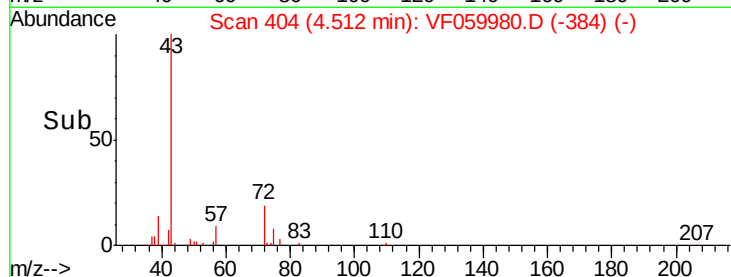
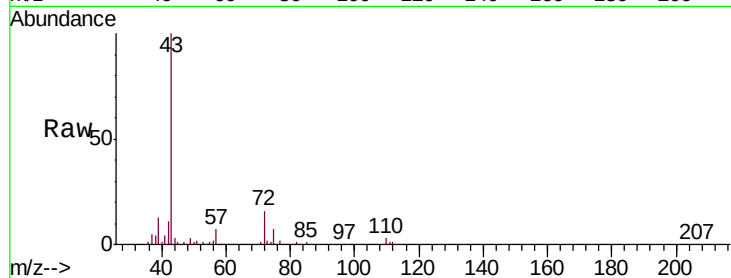




#25
2-Butanone
Concen: 214.801 ug/l
RT: 4.51 min Scan# 404
Delta R.T. 0.00 min
Lab File: VF059980.D
Acq: 17 Aug 2018 18:32

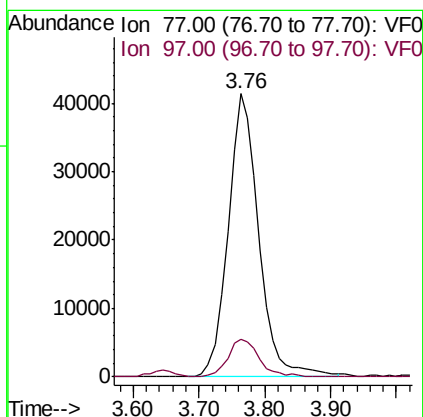
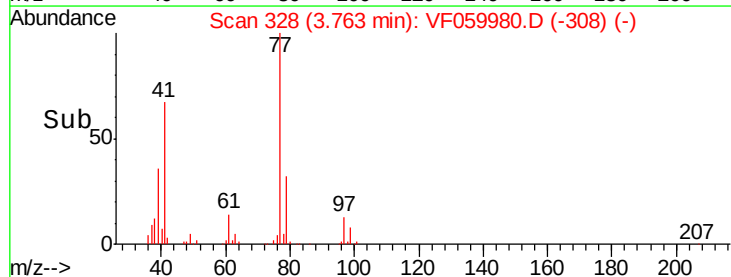
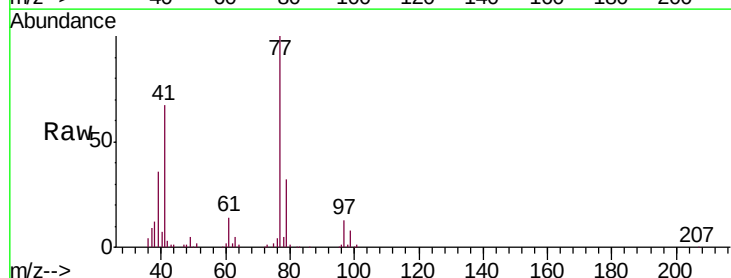
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

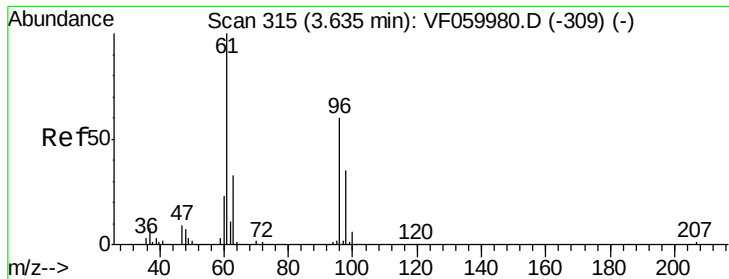
Tgt Ion: 43 Resp: 139954
Ion Ratio Lower Upper
43 100
72 15.6 12.5 18.7



#26
2,2-Dichloropropane
Concen: 51.141 ug/l
RT: 3.76 min Scan# 328
Delta R.T. 0.00 min
Lab File: VF059980.D
Acq: 17 Aug 2018 18:32

Tgt Ion: 77 Resp: 134614
Ion Ratio Lower Upper
77 100
97 13.3 6.7 20.0



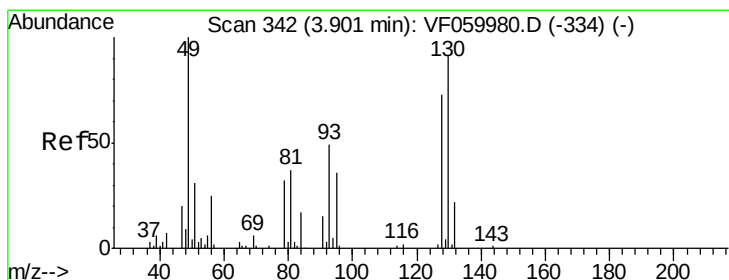
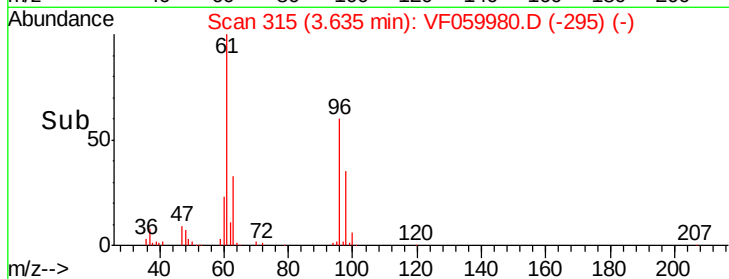
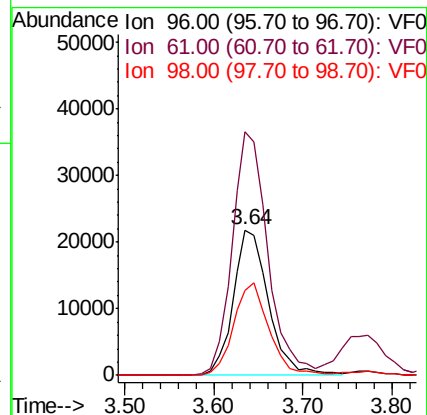
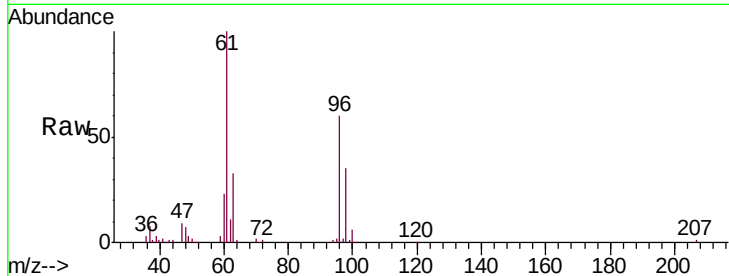


#27

cis-1,2-Dichloroethene
 Concen: 49.760 ug/l
 RT: 3.64 min Scan# 315
 Delta R.T. 0.00 min
 Lab File: VF059980.D
 Acq: 17 Aug 2018 18:32

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

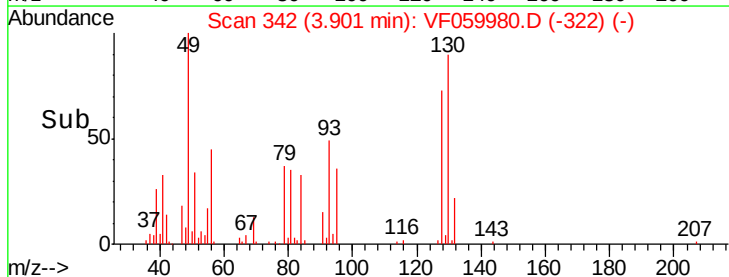
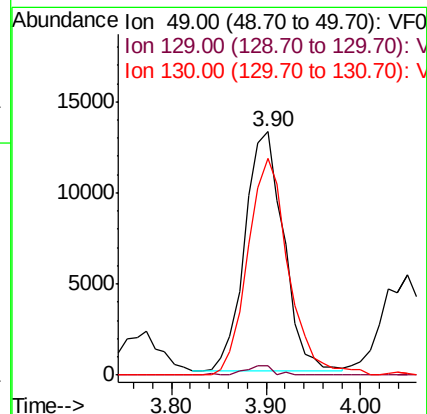
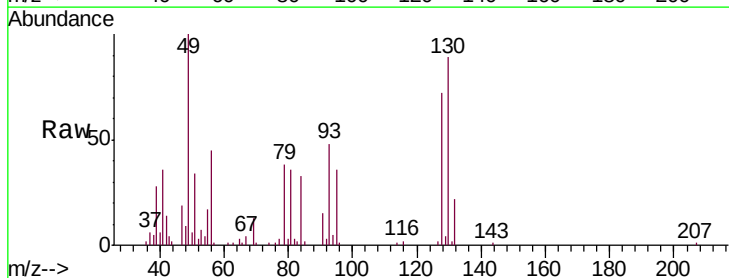
Tgt Ion	Ratio	Lower	Upper
96	100		
61	167.5	0.0	335.0
98	58.6	0.0	117.2

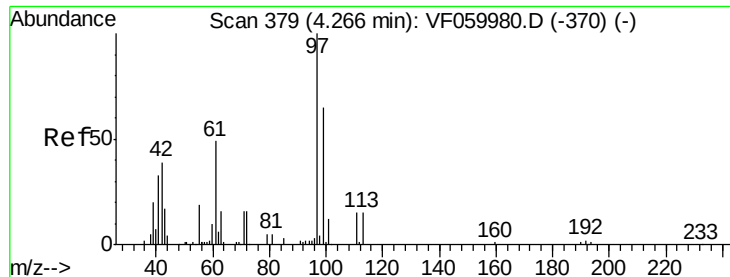


#28

Bromochloromethane
 Concen: 43.813 ug/l
 RT: 3.90 min Scan# 342
 Delta R.T. 0.00 min
 Lab File: VF059980.D
 Acq: 17 Aug 2018 18:32

Tgt Ion	Ratio	Lower	Upper
49	100		
129	3.8	0.0	7.6
130	89.1	71.3	106.9





#29

Tetrahydrofuran

Concen: 221.027 ug/l

RT: 4.27 min Scan# 379

Delta R.T. 0.00 min

Lab File: VF059980.D

Acq: 17 Aug 2018 18:32

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

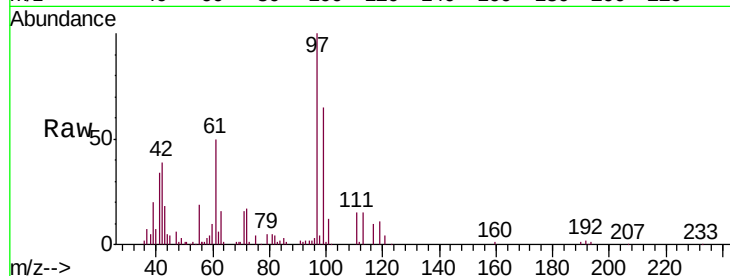
Tgt Ion: 42 Resp: 51433

Ion Ratio Lower Upper

42 100

72 37.2 29.8 44.6

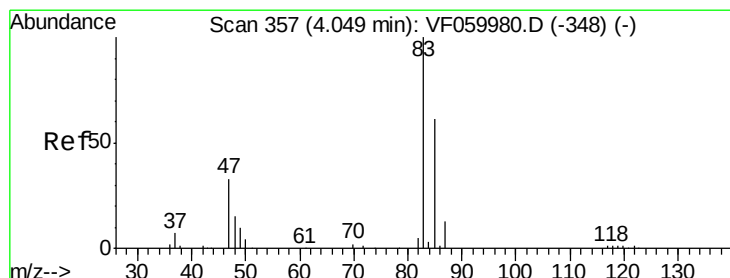
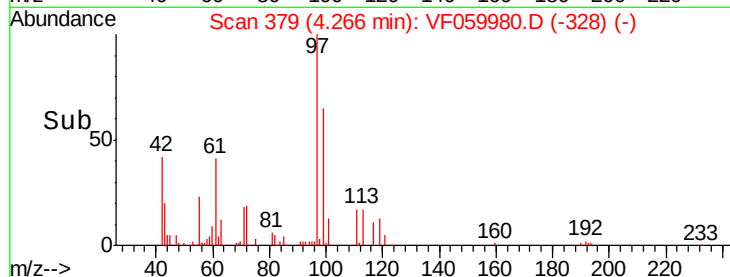
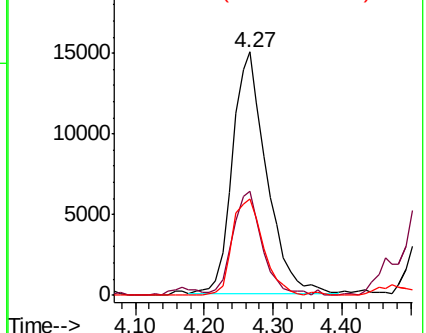
71 36.2 29.0 43.4



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: 47.695 ug/l

RT: 4.05 min Scan# 357

Delta R.T. 0.00 min

Lab File: VF059980.D

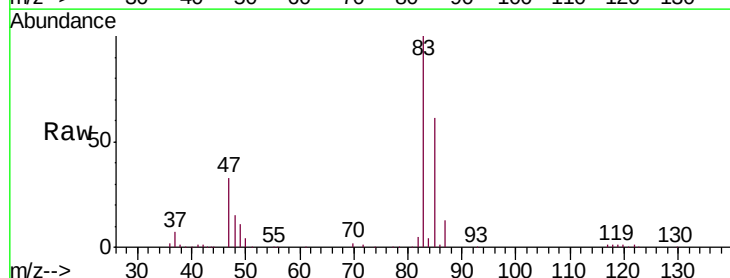
Acq: 17 Aug 2018 18:32

Tgt Ion: 83 Resp: 163967

Ion Ratio Lower Upper

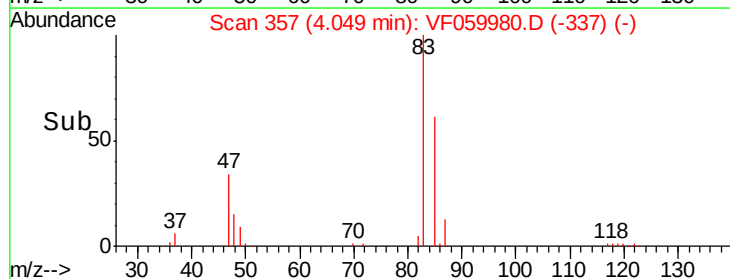
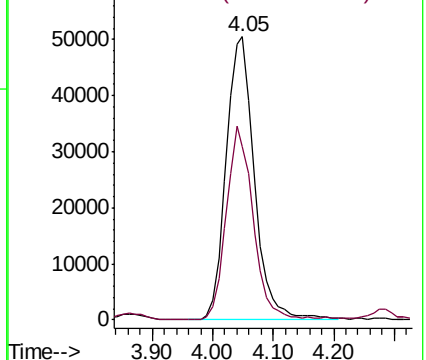
83 100

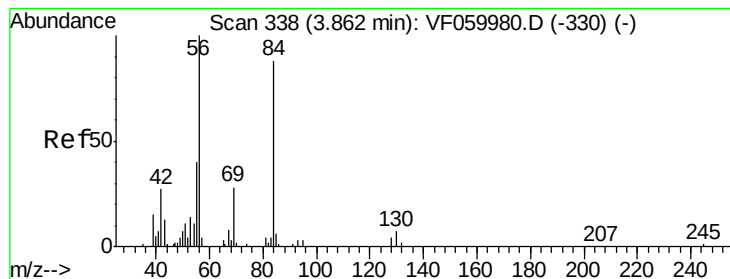
85 61.0 48.8 73.2



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0





#31

Cyclohexane

Concen: 45.786 ug/l

RT: 3.86 min Scan# 338

Delta R.T. 0.00 min

Lab File: VF059980.D

Acq: 17 Aug 2018 18:32

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

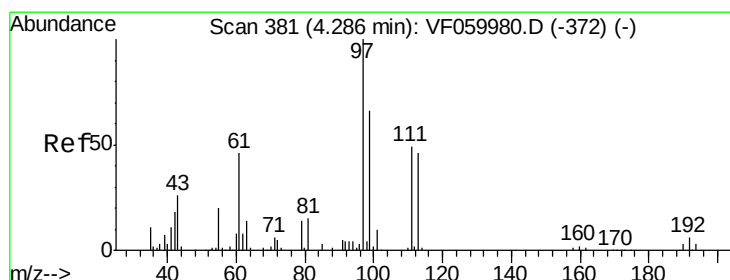
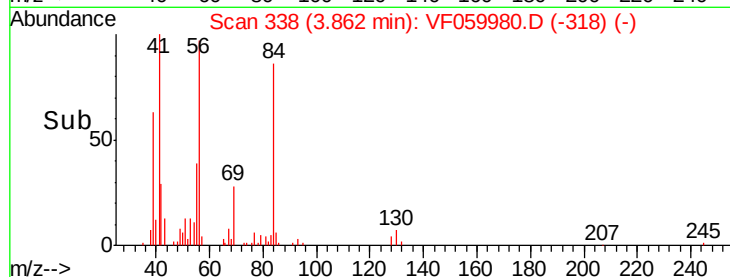
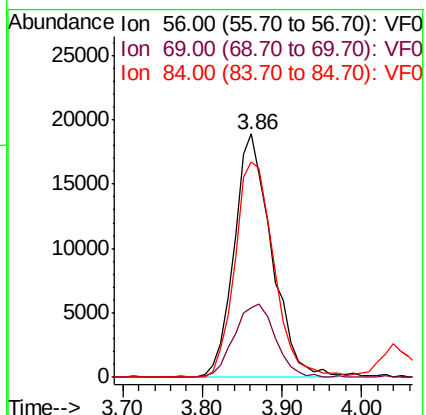
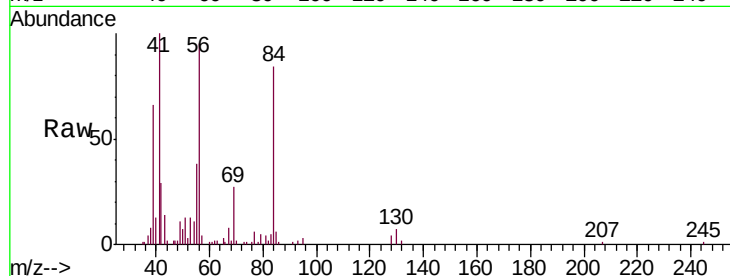
Tgt Ion: 56 Resp: 62053

Ion Ratio Lower Upper

56 100

69 28.5 22.8 34.2

84 88.4 70.7 106.1



#32

1,1,1-Trichloroethane

Concen: 49.456 ug/l

RT: 4.29 min Scan# 381

Delta R.T. 0.00 min

Lab File: VF059980.D

Acq: 17 Aug 2018 18:32

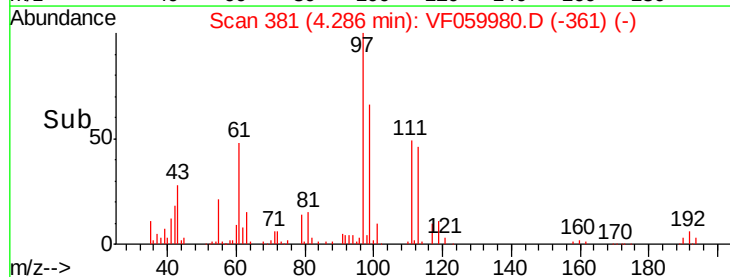
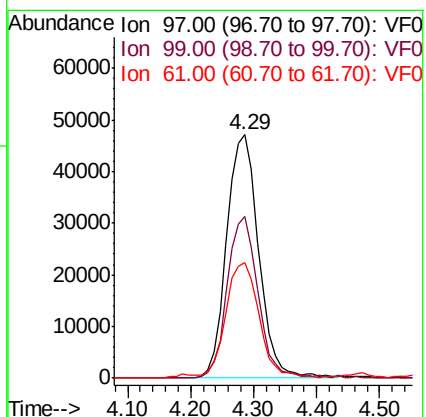
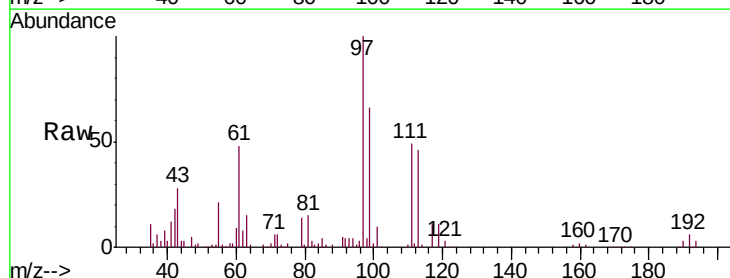
Tgt Ion: 97 Resp: 165633

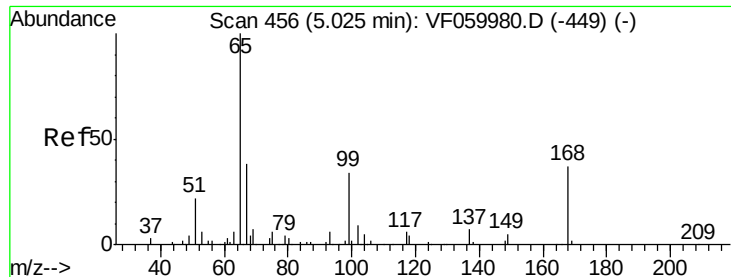
Ion Ratio Lower Upper

97 100

99 66.4 53.1 79.7

61 47.7 38.2 57.2

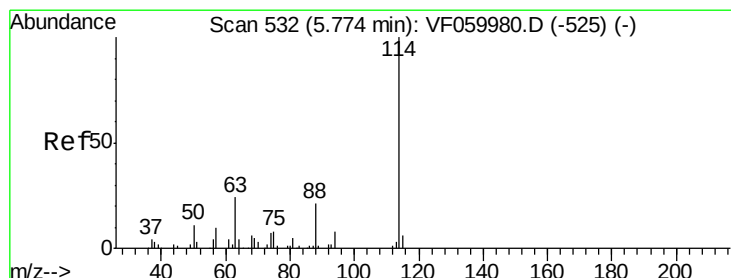
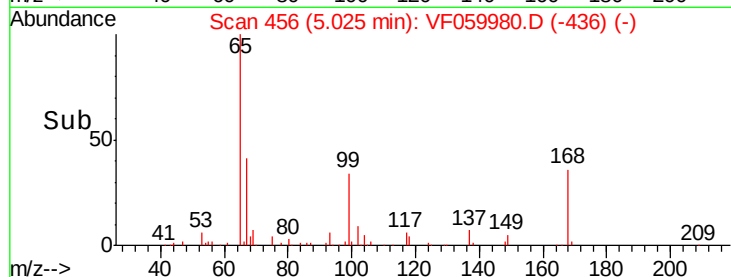
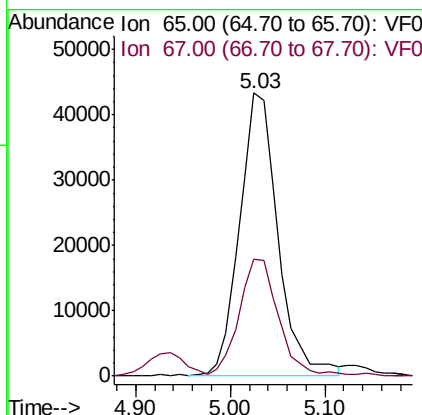
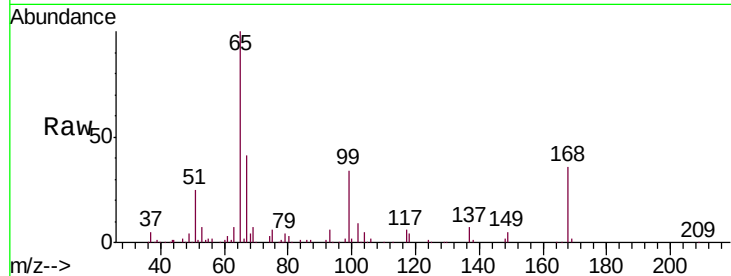




#33
 1,2-Dichloroethane-d4
 Concen: 46.712 ug/l
 RT: 5.03 min Scan# 456
 Delta R.T. 0.00 min
 Lab File: VF059980.D
 Acq: 17 Aug 2018 18:32

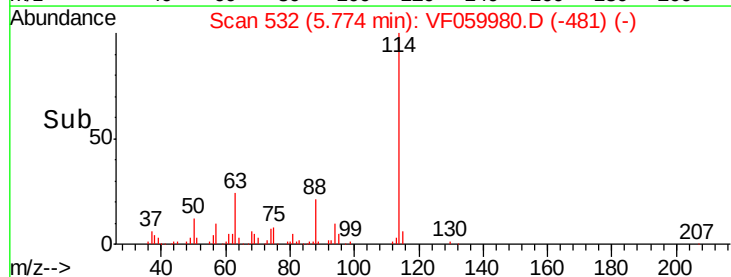
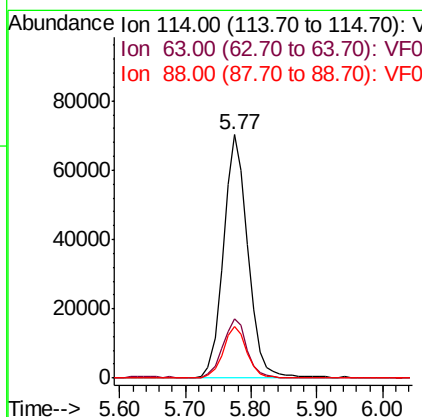
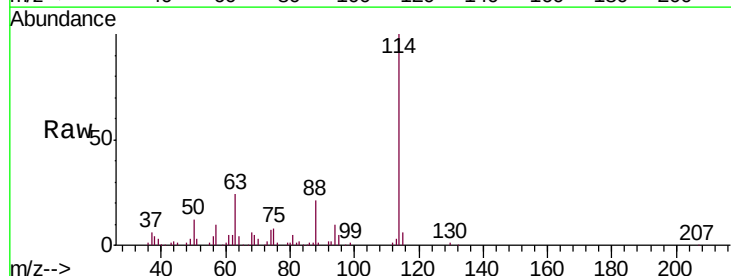
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

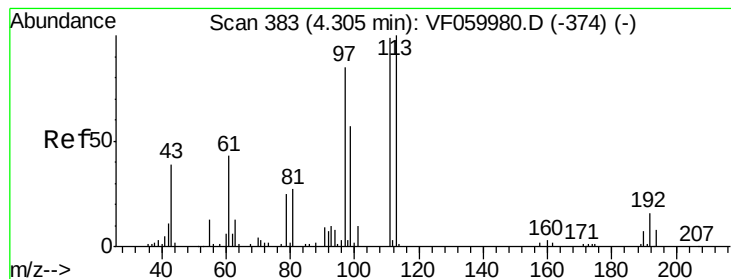
Tgt Ion: 65 Resp: 120944
 Ion Ratio Lower Upper
 65 100
 67 41.3 0.0 82.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.77 min Scan# 532
 Delta R.T. 0.00 min
 Lab File: VF059980.D
 Acq: 17 Aug 2018 18:32

Tgt Ion: 114 Resp: 182565
 Ion Ratio Lower Upper
 114 100
 63 24.3 0.0 48.6
 88 21.4 0.0 42.8





#35

Dibromofluoromethane

Concen: 49.808 ug/l

RT: 4.31 min Scan# 383

Delta R.T. 0.00 min

Lab File: VF059980.D

Acq: 17 Aug 2018 18:32

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

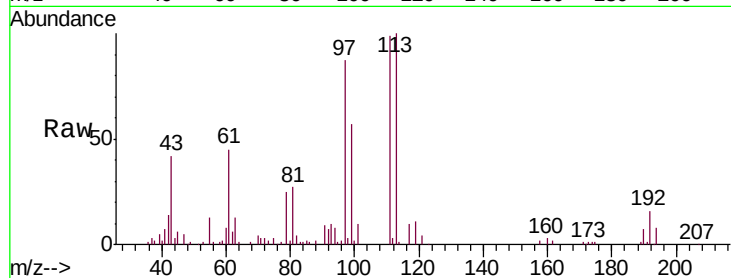
Tgt Ion:113 Resp: 92536

Ion Ratio Lower Upper

113 100

111 99.4 79.5 119.3

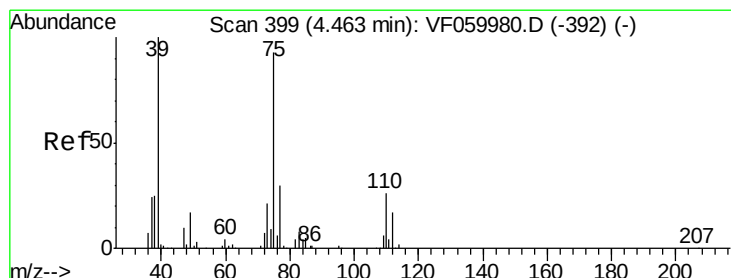
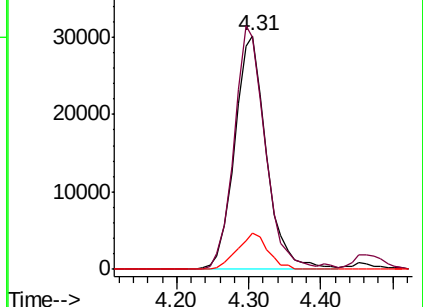
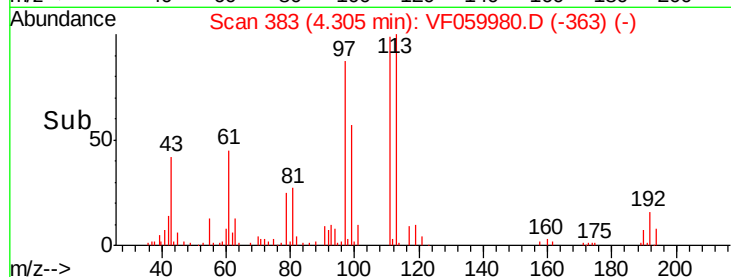
192 15.5 12.4 18.6



Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#36

1,1-Dichloropropene

Concen: 45.428 ug/l

RT: 4.46 min Scan# 399

Delta R.T. 0.00 min

Lab File: VF059980.D

Acq: 17 Aug 2018 18:32

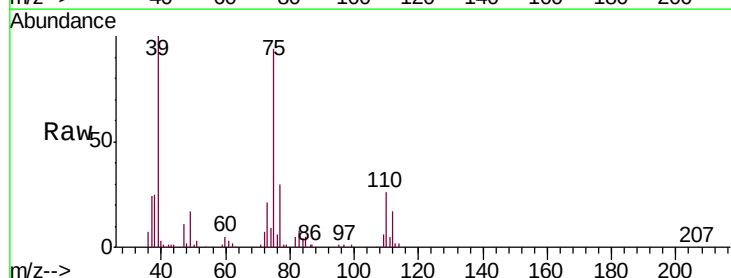
Tgt Ion: 75 Resp: 93585

Ion Ratio Lower Upper

75 100

110 27.6 13.8 41.4

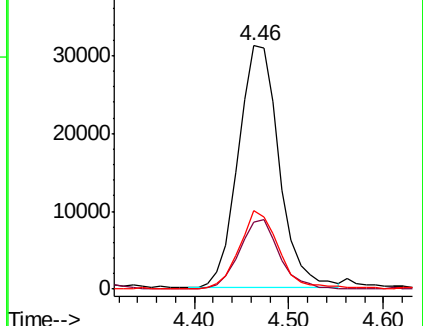
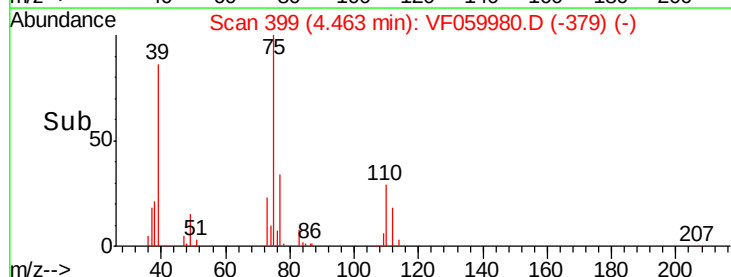
77 32.3 25.8 38.8

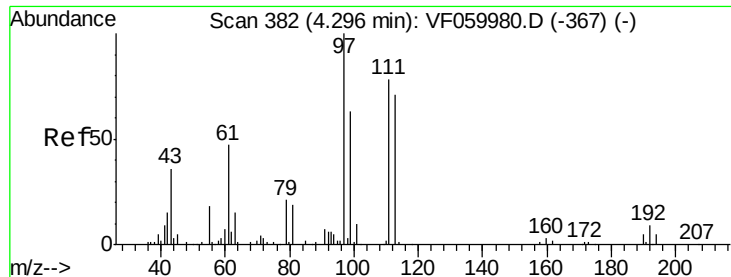


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0

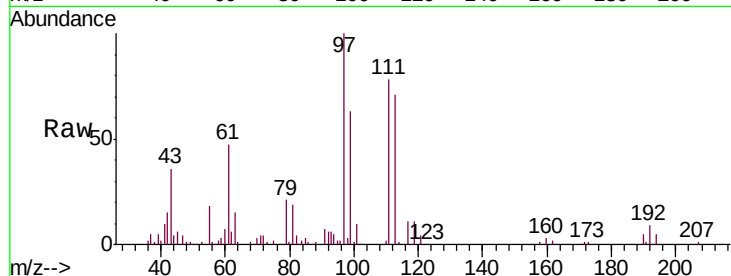




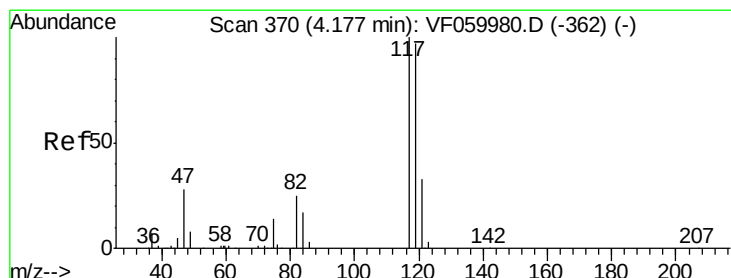
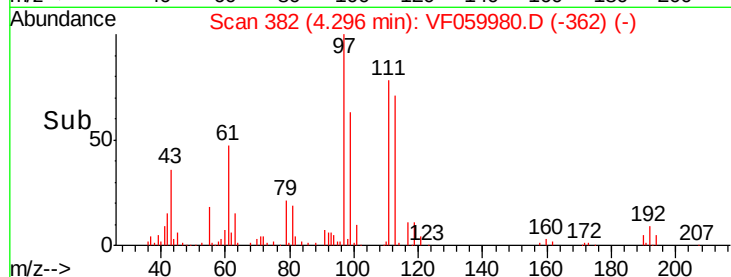
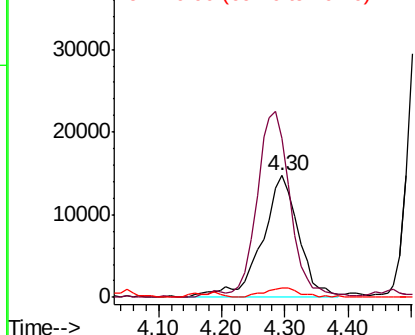
#37
Ethyl Acetate
Concen: 48.593 ug/l
RT: 4.30 min Scan# 382
Delta R.T. 0.00 min
Lab File: VF059980.D
Acq: 17 Aug 2018 18:32

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 59032
Ion Ratio Lower Upper
43 100
61 130.6 104.5 156.7
70 7.4 5.9 8.9

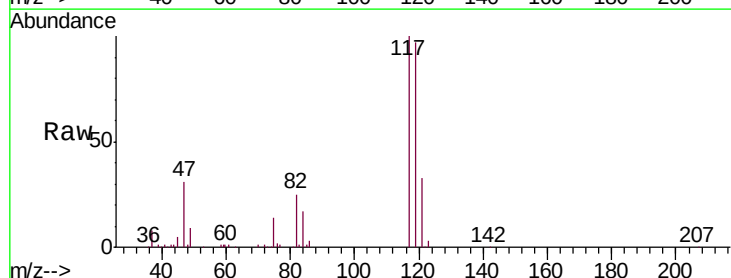


Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 70.00 (69.70 to 70.70): VF0

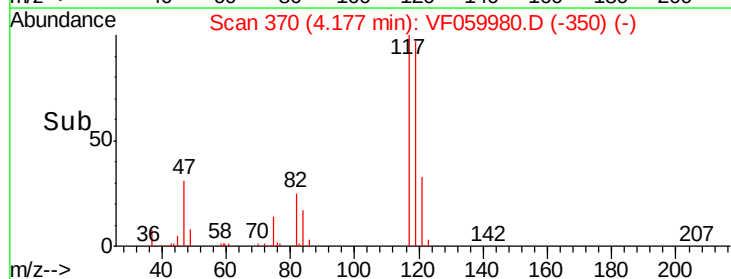
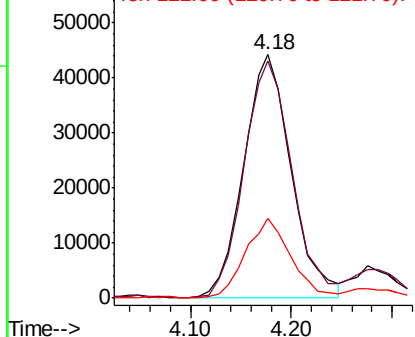


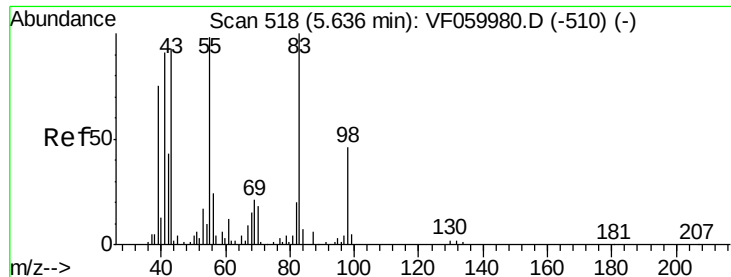
#38
Carbon Tetrachloride
Concen: 49.026 ug/l
RT: 4.18 min Scan# 370
Delta R.T. 0.00 min
Lab File: VF059980.D
Acq: 17 Aug 2018 18:32

Tgt Ion: 117 Resp: 145114
Ion Ratio Lower Upper
117 100
119 97.2 77.8 116.6
121 32.5 26.0 39.0



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

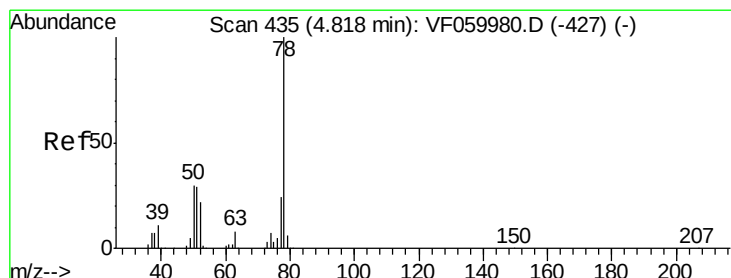
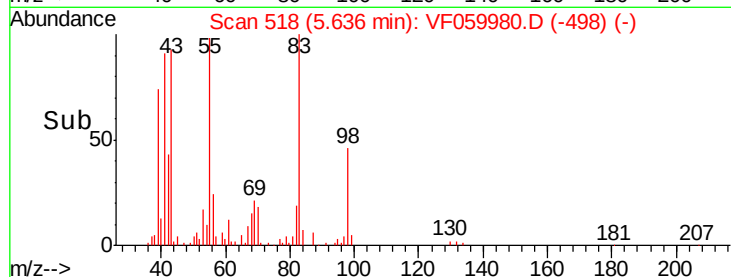
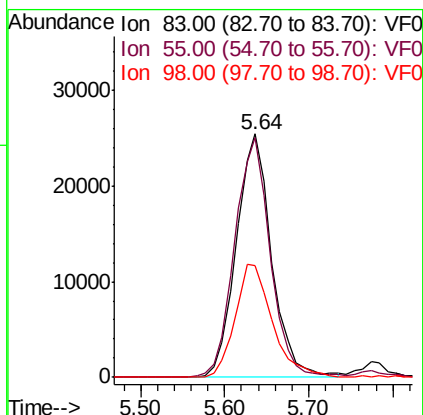
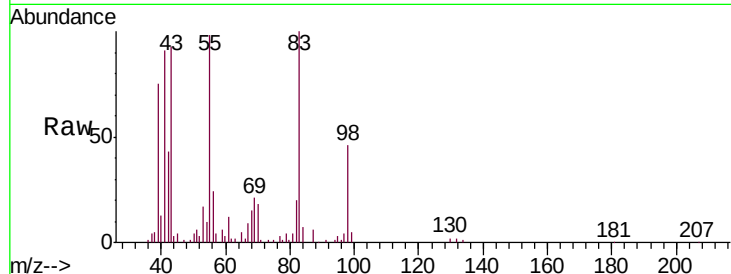




#39
Methylcyclohexane
Concen: 47.710 ug/l
RT: 5.64 min Scan# 518
Delta R.T. 0.00 min
Lab File: VF059980.D
Acq: 17 Aug 2018 18:32

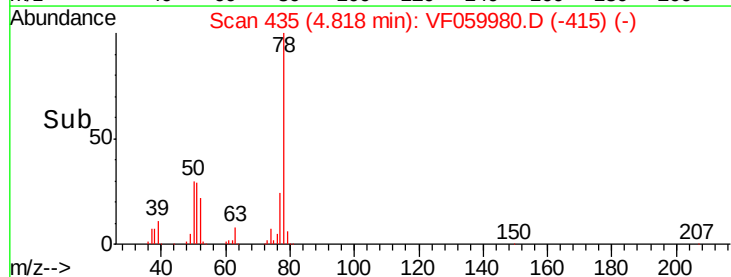
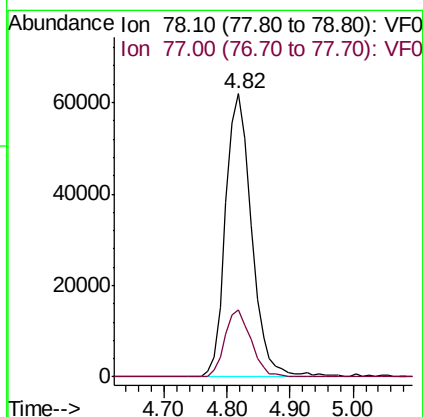
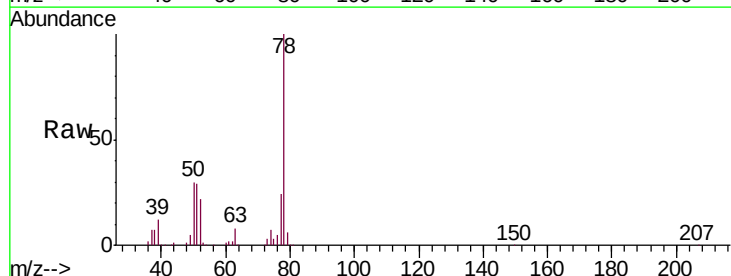
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

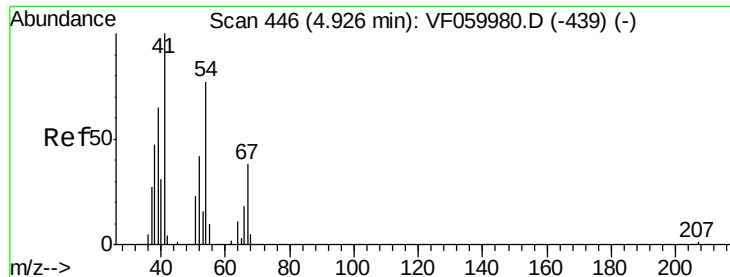
Tgt Ion: 83 Resp: 74443
Ion Ratio Lower Upper
83 100
55 98.5 78.8 118.2
98 46.0 36.8 55.2



#40
Benzene
Concen: 50.915 ug/l
RT: 4.82 min Scan# 435
Delta R.T. 0.00 min
Lab File: VF059980.D
Acq: 17 Aug 2018 18:32

Tgt Ion: 78 Resp: 178463
Ion Ratio Lower Upper
78 100
77 23.9 19.1 28.7

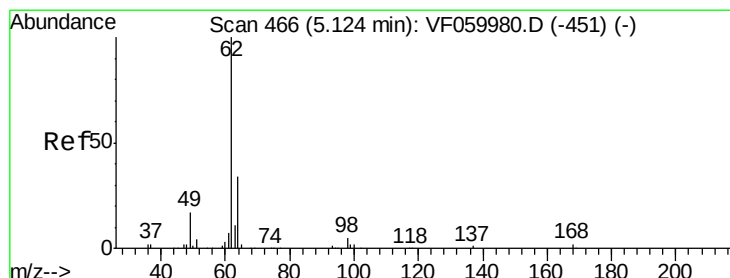
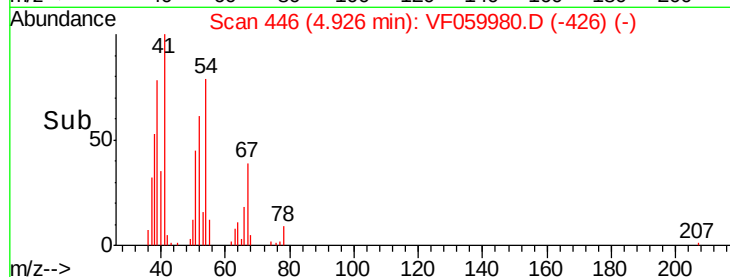
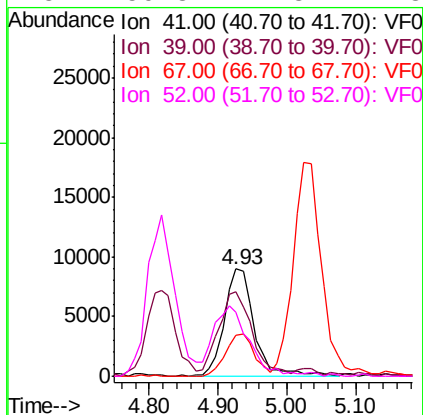
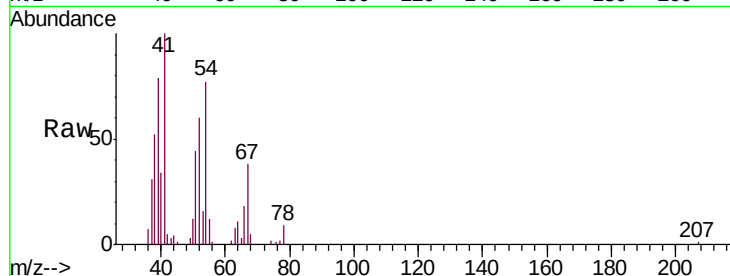




#41
Methacrylonitrile
Concen: 46.933 ug/l
RT: 4.93 min Scan# 446
Delta R.T. 0.00 min
Lab File: VF059980.D
Acq: 17 Aug 2018 18:32

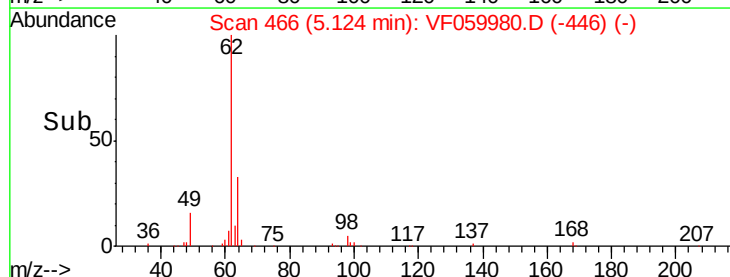
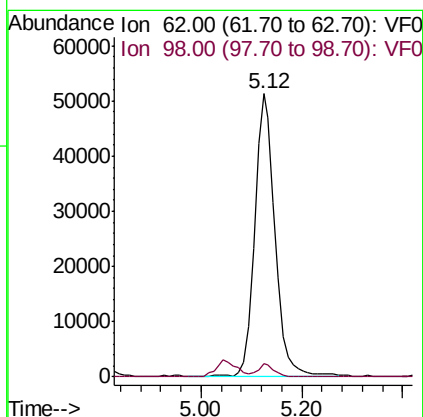
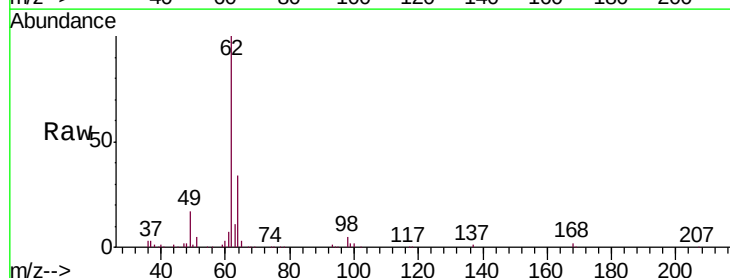
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

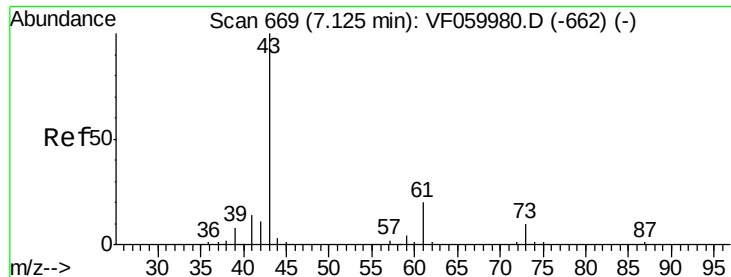
Tgt Ion:	41	Resp:	27016
Ion	Ratio	Lower	Upper
41	100		
39	78.6	62.9	94.3
67	38.0	30.4	45.6
52	59.8	47.8	71.8



#42
1,2-Dichloroethane
Concen: 48.094 ug/l
RT: 5.12 min Scan# 466
Delta R.T. 0.00 min
Lab File: VF059980.D
Acq: 17 Aug 2018 18:32

Tgt Ion:	62	Resp:	146005
Ion	Ratio	Lower	Upper
62	100		
98	4.5	0.0	9.0



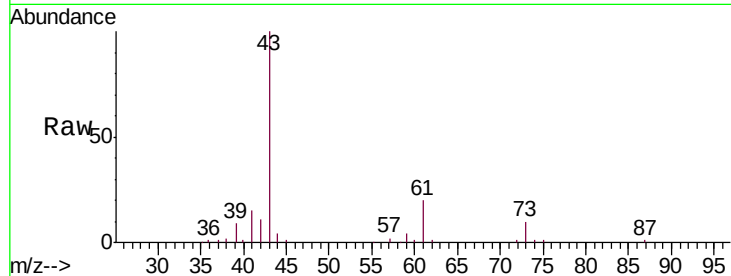


#43

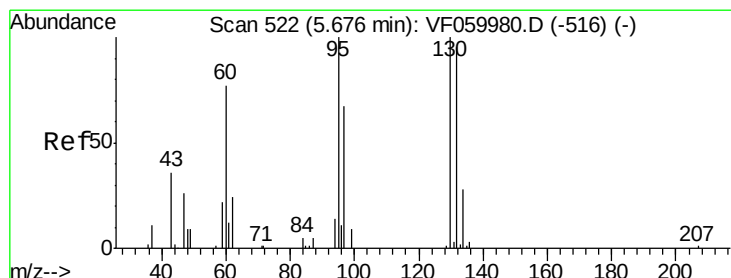
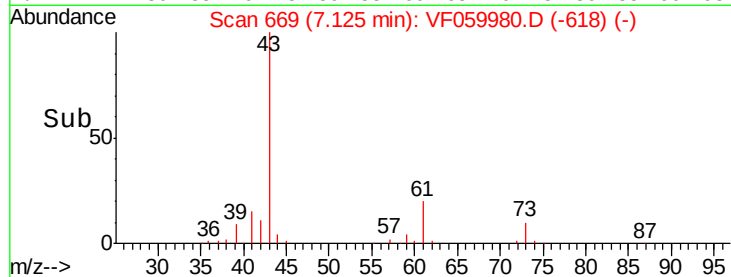
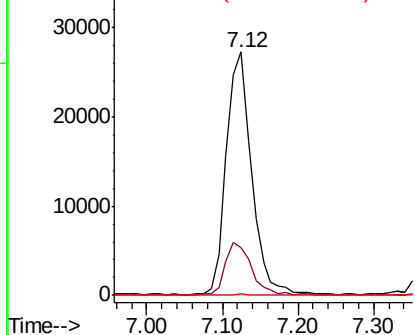
Isopropyl Acetate
 Concen: 48.235 ug/l
 RT: 7.12 min Scan# 669
 Delta R.T. 0.00 min
 Lab File: VF059980.D
 Acq: 17 Aug 2018 18:32

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tgt Ion: 43 Resp: 63867
 Ion Ratio Lower Upper
 43 100
 61 19.8 15.8 23.8
 87 0.7 0.6 0.8



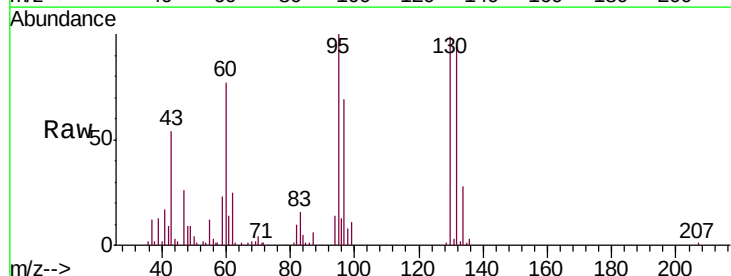
Abundance Ion 43.00 (42.70 to 43.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 87.00 (86.70 to 87.70): VF0



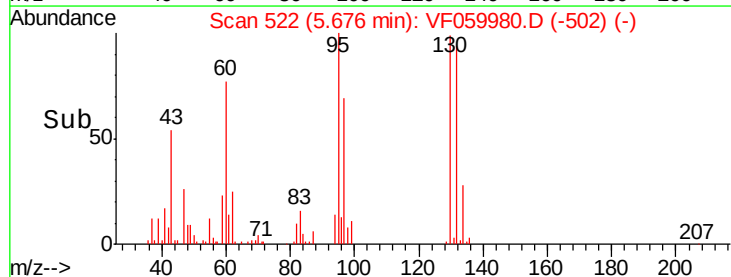
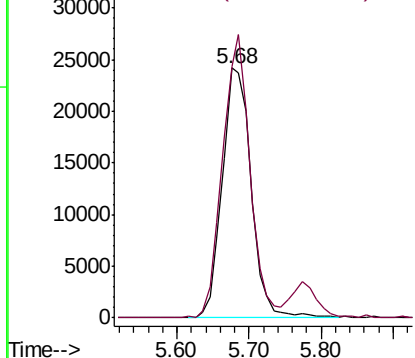
#44

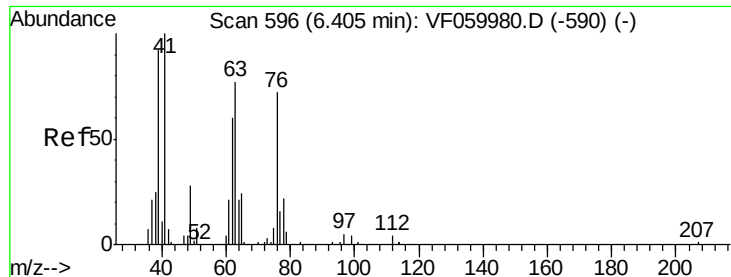
Trichloroethene
 Concen: 49.403 ug/l
 RT: 5.68 min Scan# 522
 Delta R.T. 0.00 min
 Lab File: VF059980.D
 Acq: 17 Aug 2018 18:32

Tgt Ion: 130 Resp: 67608
 Ion Ratio Lower Upper
 130 100
 95 100.9 0.0 201.8



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

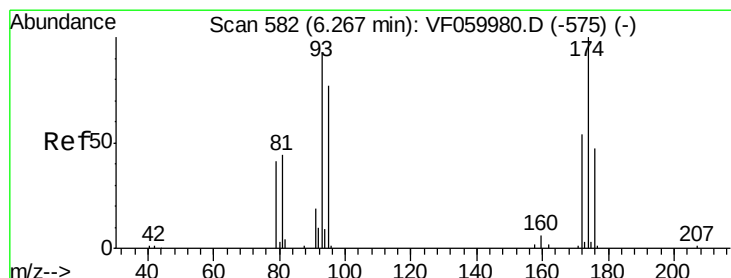
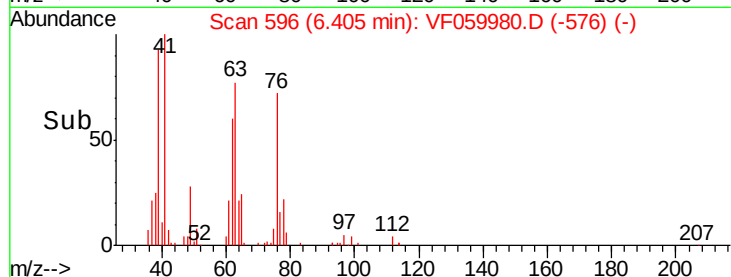
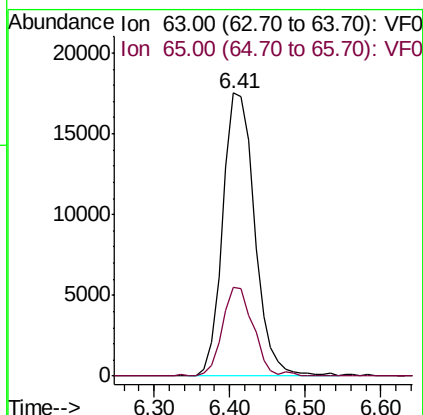
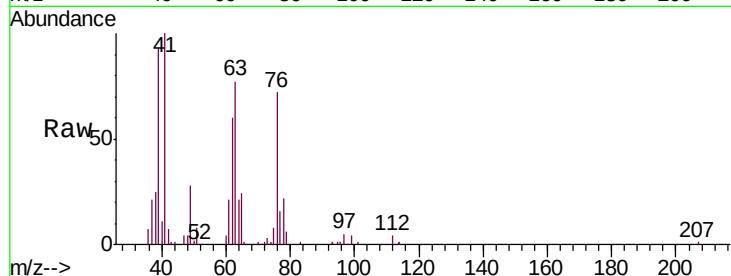




#45
 1,2-Dichloropropane
 Concen: 51.278 ug/l
 RT: 6.41 min Scan# 596
 Delta R.T. 0.00 min
 Lab File: VF059980.D
 Acq: 17 Aug 2018 18:32

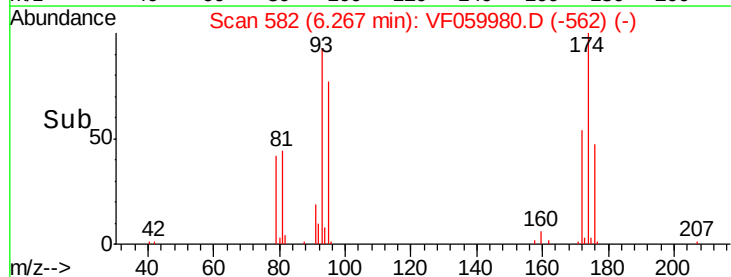
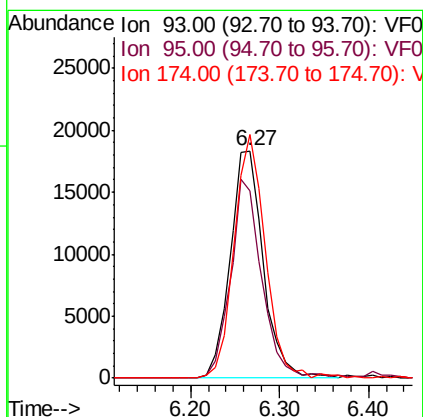
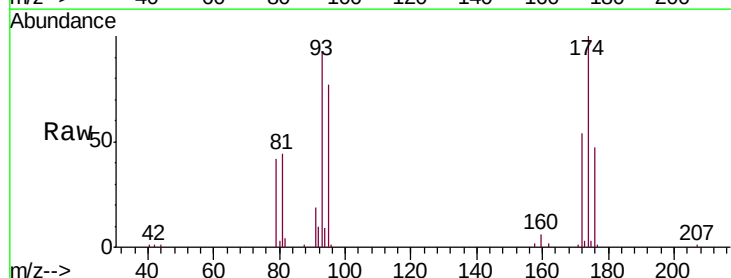
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

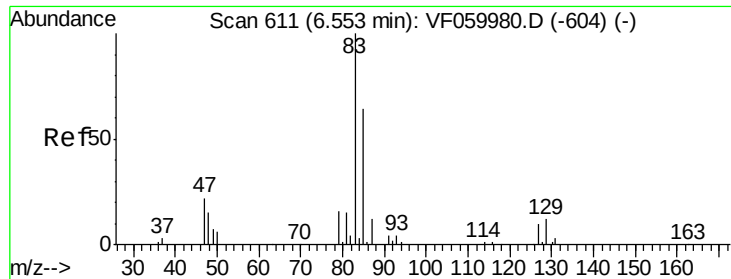
Tgt Ion: 63 Resp: 51264
 Ion Ratio Lower Upper
 63 100
 65 31.3 25.0 37.6



#46
 Dibromomethane
 Concen: 47.000 ug/l
 RT: 6.27 min Scan# 582
 Delta R.T. 0.00 min
 Lab File: VF059980.D
 Acq: 17 Aug 2018 18:32

Tgt Ion: 93 Resp: 47657
 Ion Ratio Lower Upper
 93 100
 95 83.7 67.0 100.4
 174 107.1 85.7 128.5





#47

Bromodichloromethane

Concen: 50.329 ug/l

RT: 6.55 min Scan# 611

Delta R.T. 0.00 min

Lab File: VF059980.D

Acq: 17 Aug 2018 18:32

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

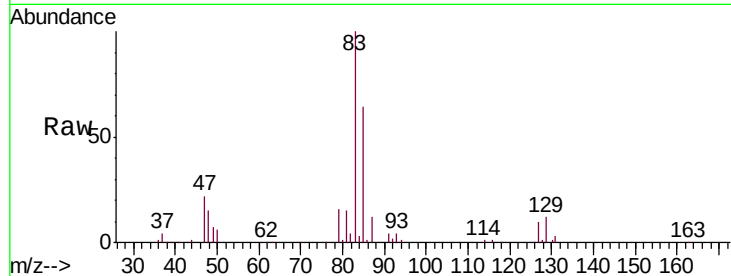
Tgt Ion: 83 Resp: 134769

Ion Ratio Lower Upper

83 100

85 64.2 51.4 77.0

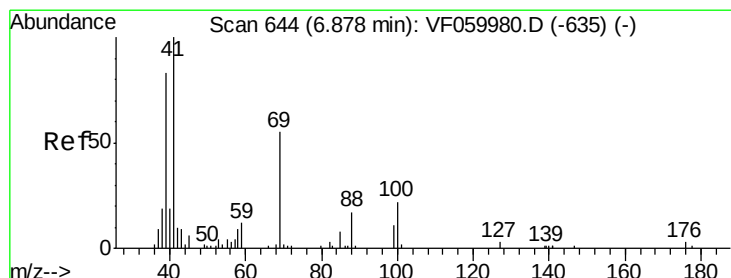
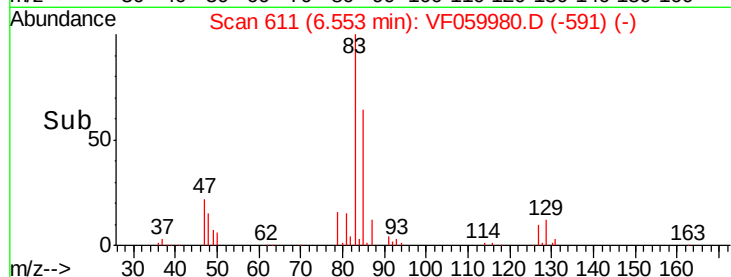
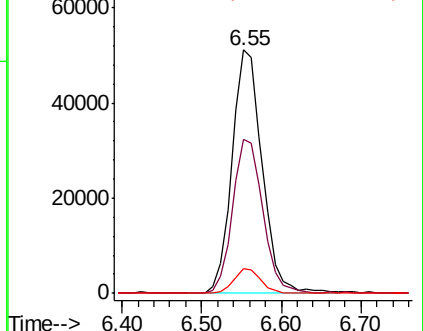
127 10.2 8.2 12.2



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 49.231 ug/l

RT: 6.88 min Scan# 644

Delta R.T. 0.00 min

Lab File: VF059980.D

Acq: 17 Aug 2018 18:32

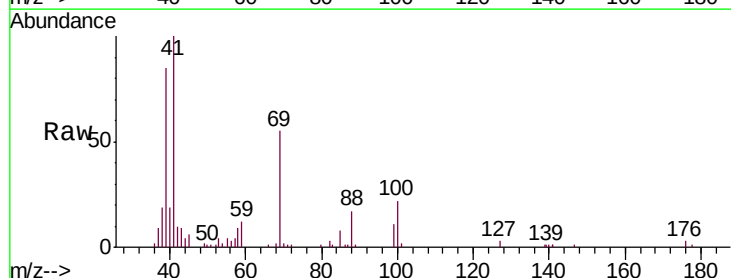
Tgt Ion: 41 Resp: 48590

Ion Ratio Lower Upper

41 100

69 55.5 44.4 66.6

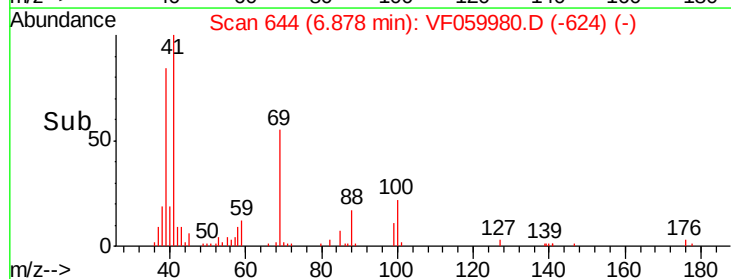
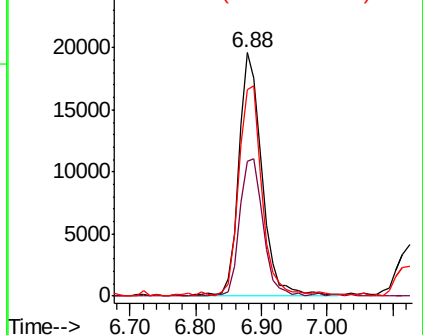
39 84.7 67.8 101.6

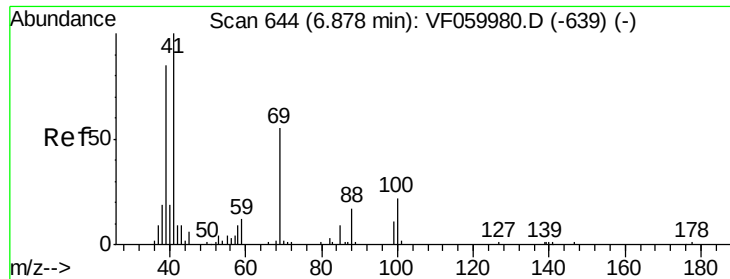


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

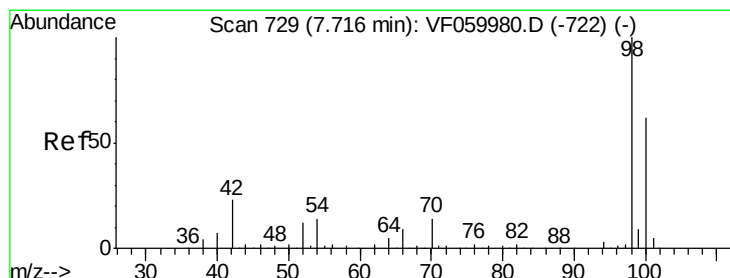
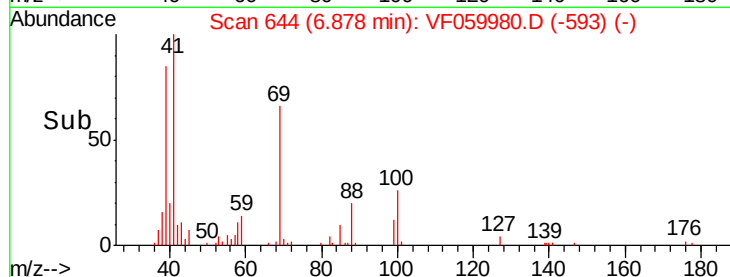
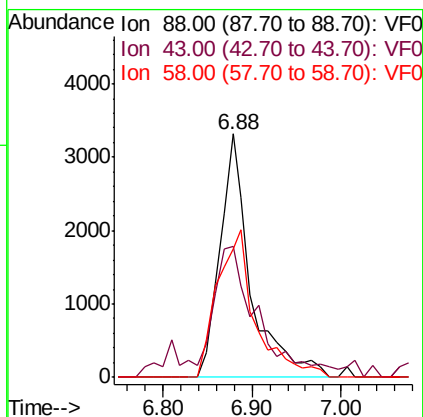
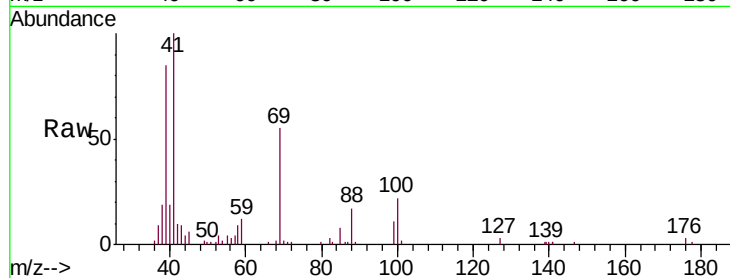




#49
1,4-Dioxane
Concen: 1019.250 ug/l
RT: 6.88 min Scan# 644
Delta R.T. 0.00 min
Lab File: VF059980.D
Acq: 17 Aug 2018 18:32

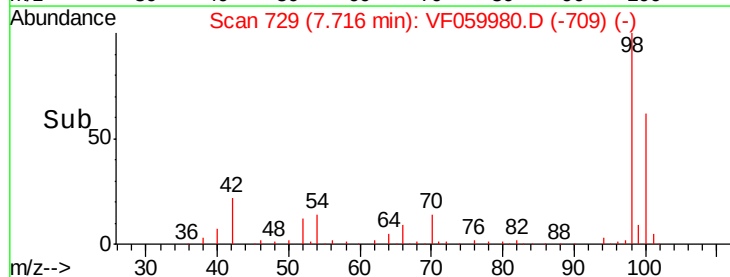
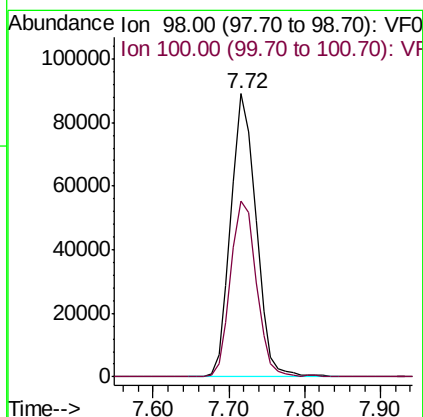
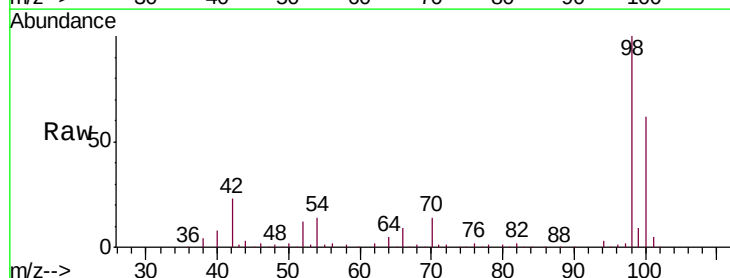
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

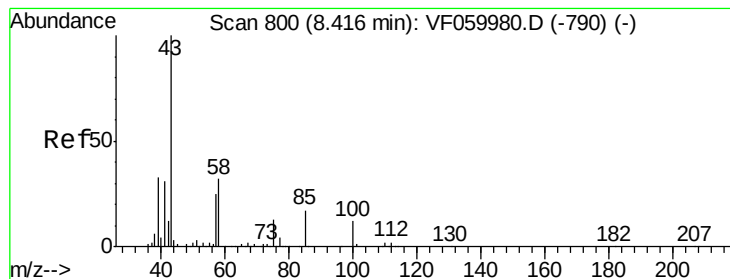
Tgt Ion: 88 Resp: 8053
Ion Ratio Lower Upper
88 100
43 54.0 43.2 64.8
58 52.5 42.0 63.0



#50
Toluene-d8
Concen: 50.095 ug/l
RT: 7.72 min Scan# 729
Delta R.T. 0.00 min
Lab File: VF059980.D
Acq: 17 Aug 2018 18:32

Tgt Ion: 98 Resp: 206344
Ion Ratio Lower Upper
98 100
100 62.3 49.8 74.8





#51

4-Methyl-2-Pentanone

Concen: 232.623 ug/l

RT: 8.42 min Scan# 800

Delta R.T. 0.00 min

Lab File: VF059980.D

Acq: 17 Aug 2018 18:32

Instrument :

MSVOA_F

ClientSampleId :

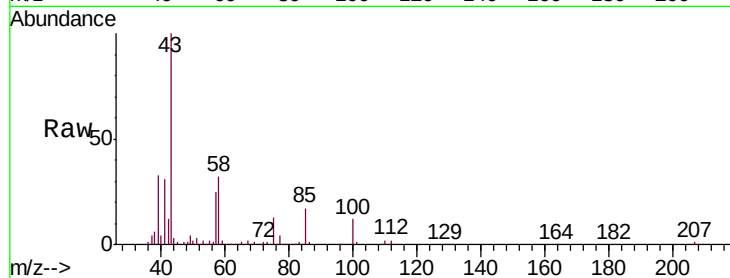
VSTDICCC050

Tgt Ion: 43 Resp: 287630

Ion Ratio Lower Upper

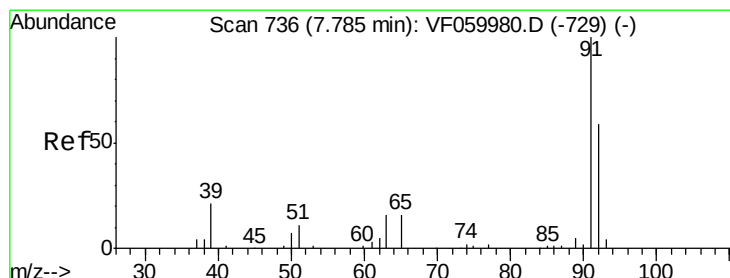
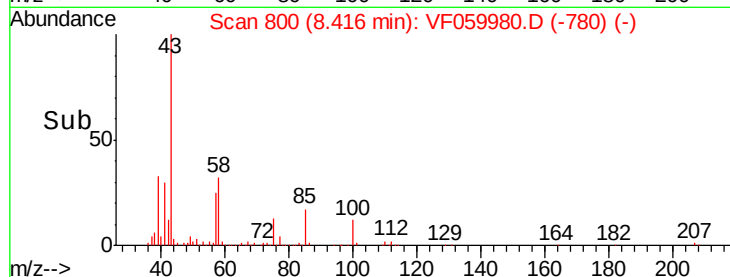
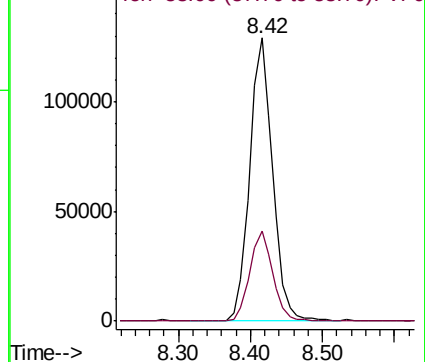
43 100

58 32.0 25.6 38.4



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 48.465 ug/l

RT: 7.79 min Scan# 736

Delta R.T. 0.00 min

Lab File: VF059980.D

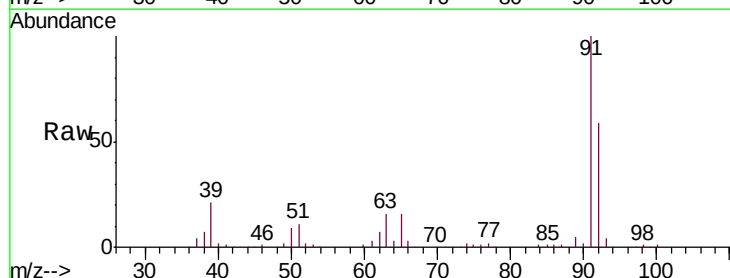
Acq: 17 Aug 2018 18:32

Tgt Ion: 92 Resp: 127944

Ion Ratio Lower Upper

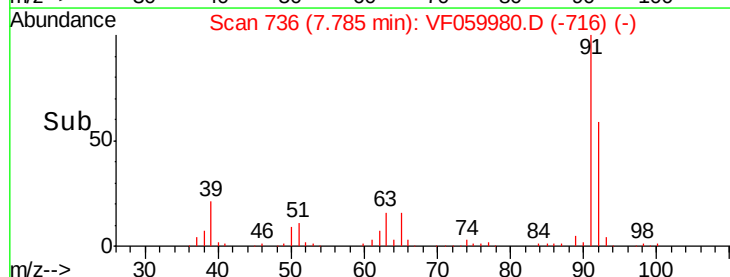
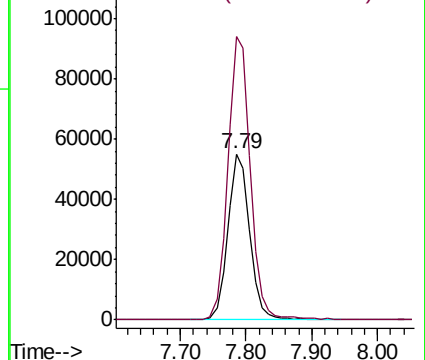
92 100

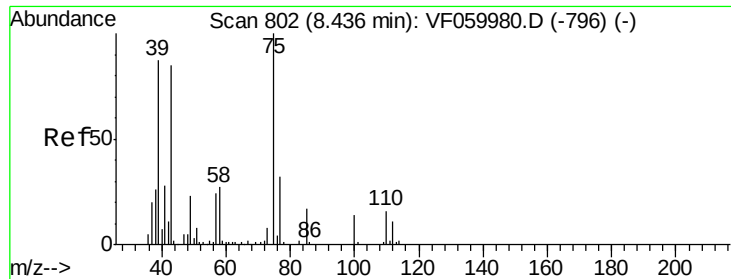
91 170.6 136.5 204.7



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 49.572 ug/l

RT: 8.44 min Scan# 802

Delta R.T. 0.00 min

Lab File: VF059980.D

Acq: 17 Aug 2018 18:32

Instrument :

MSVOA_F

ClientSampleId :

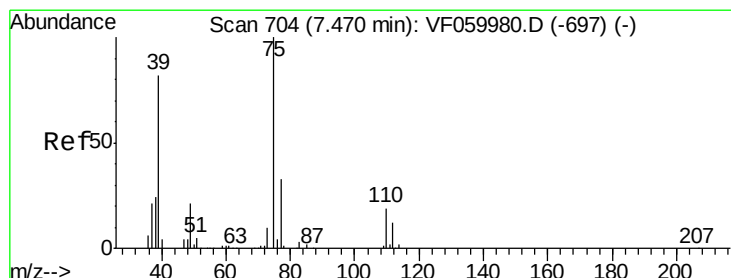
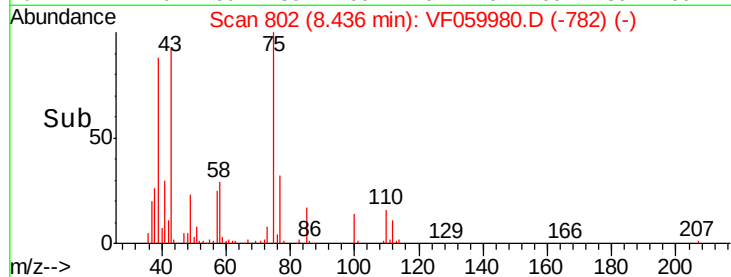
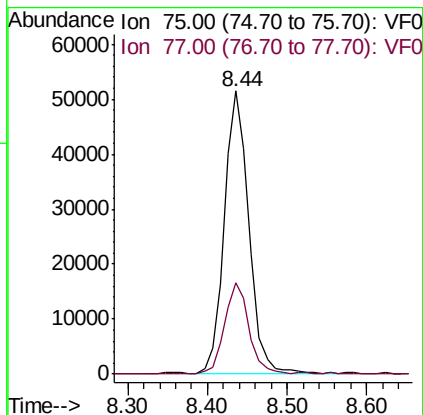
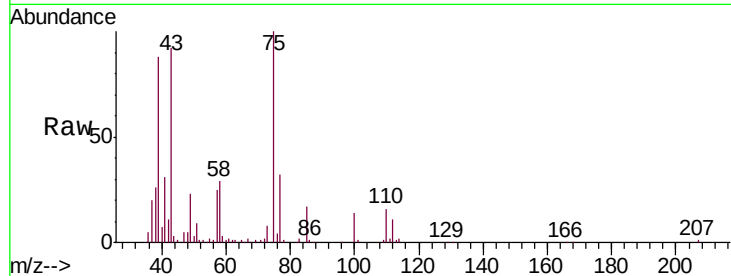
VSTDICCC050

Tgt Ion: 75 Resp: 112709

Ion Ratio Lower Upper

75 100

77 32.2 25.8 38.6



#54

cis-1,3-Dichloropropene

Concen: 51.706 ug/l

RT: 7.47 min Scan# 704

Delta R.T. 0.00 min

Lab File: VF059980.D

Acq: 17 Aug 2018 18:32

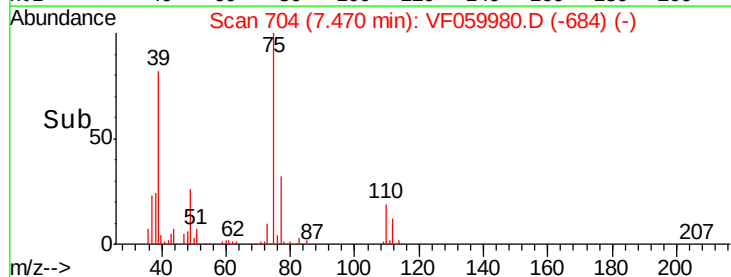
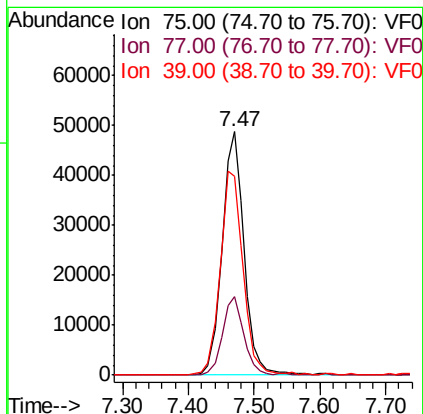
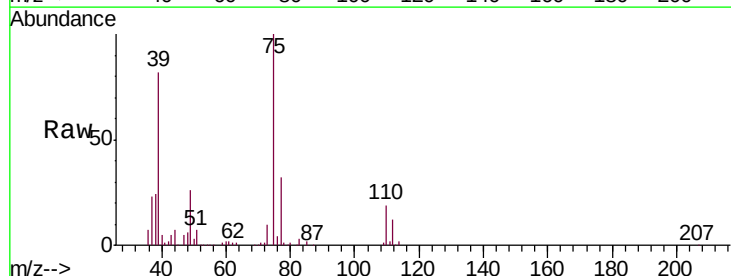
Tgt Ion: 75 Resp: 113322

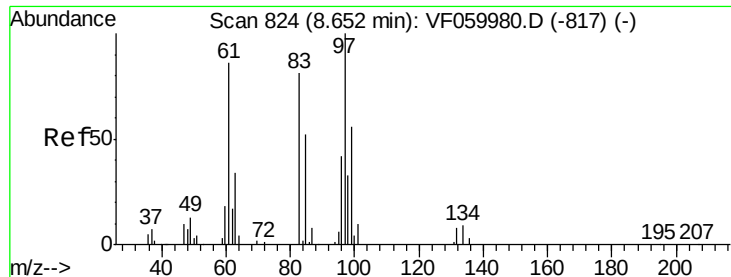
Ion Ratio Lower Upper

75 100

77 32.5 26.0 39.0

39 81.6 65.3 97.9

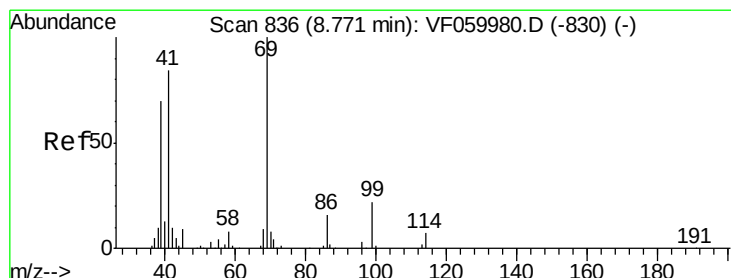
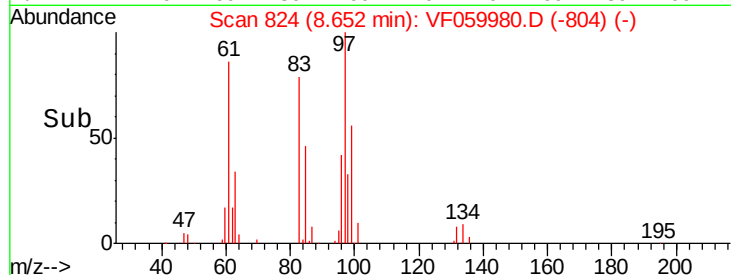
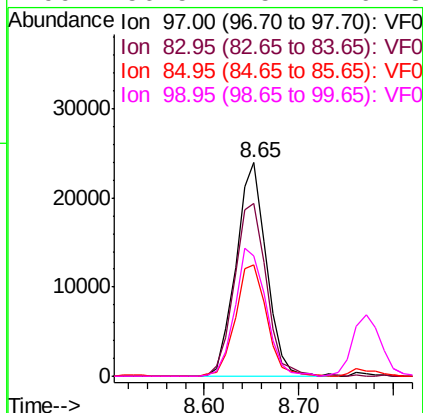
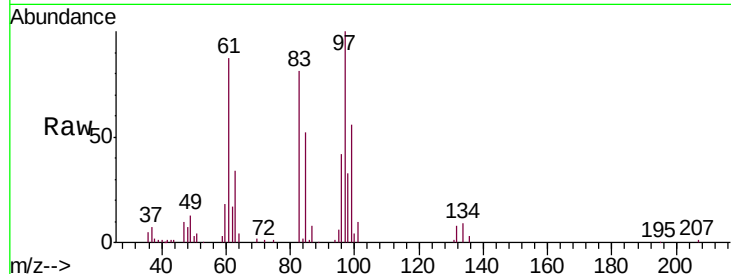




#55
 1,1,2-Trichloroethane
 Concen: 49.063 ug/l
 RT: 8.65 min Scan# 824
 Delta R.T. 0.00 min
 Lab File: VF059980.D
 Acq: 17 Aug 2018 18:32

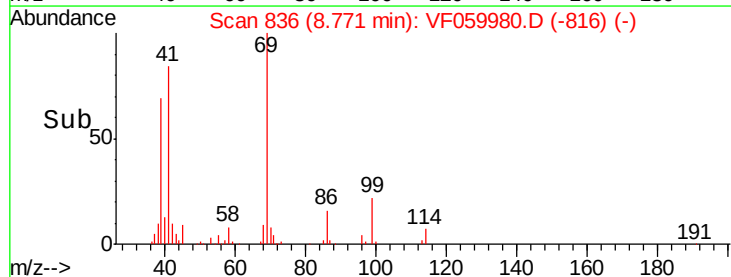
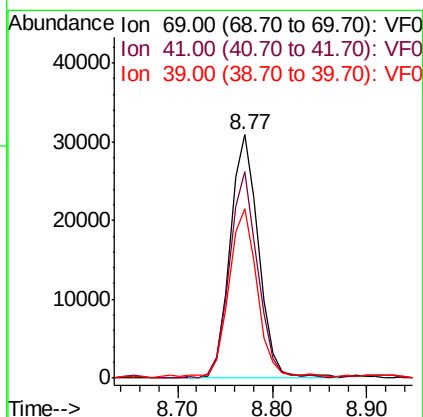
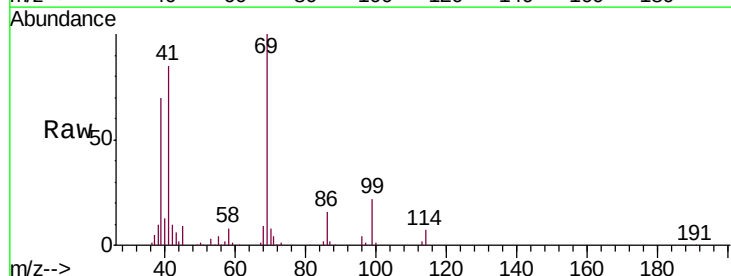
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

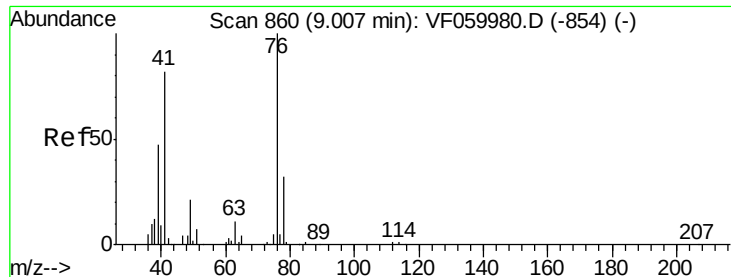
Tgt Ion:	97	Resp:	53103
Ion	Ratio	Lower	Upper
97	100		
83	81.1	64.9	97.3
85	52.2	41.8	62.6
99	56.5	45.2	67.8



#56
 Ethyl methacrylate
 Concen: 50.906 ug/l
 RT: 8.77 min Scan# 836
 Delta R.T. 0.00 min
 Lab File: VF059980.D
 Acq: 17 Aug 2018 18:32

Tgt Ion:	69	Resp:	64199
Ion	Ratio	Lower	Upper
69	100		
41	84.7	67.8	101.6
39	69.7	55.8	83.6





#57

1,3-Dichloropropane

Concen: 48.800 ug/l

RT: 9.01 min Scan# 860

Delta R.T. 0.00 min

Lab File: VF059980.D

Acq: 17 Aug 2018 18:32

Instrument :

MSVOA_F

ClientSampleId :

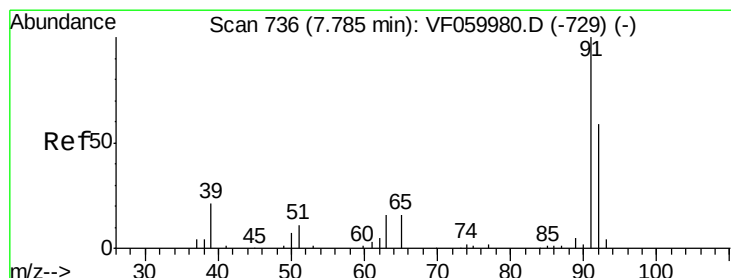
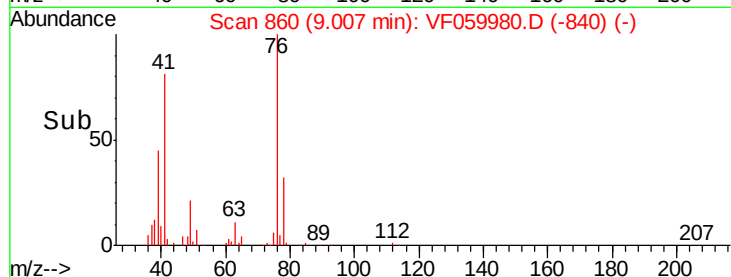
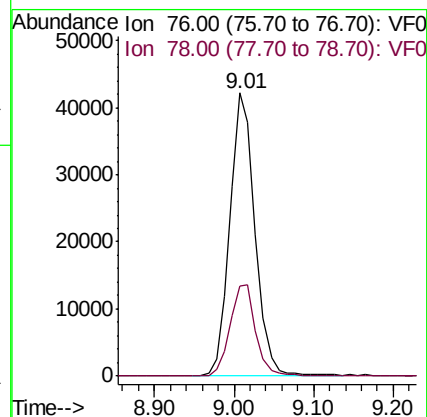
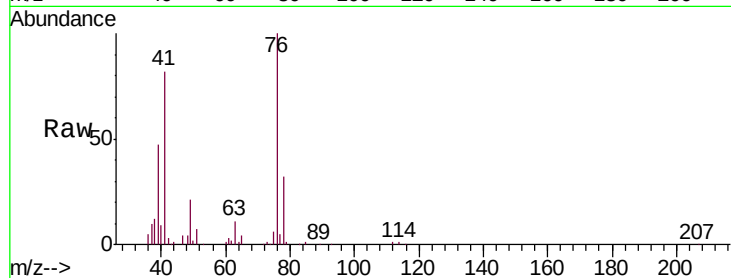
VSTDICCC050

Tgt Ion: 76 Resp: 93820

Ion Ratio Lower Upper

76 100

78 31.6 25.3 37.9



#58

2-Chloroethyl Vinyl ether

Concen: 302.061 ug/l

RT: 7.79 min Scan# 736

Delta R.T. 0.00 min

Lab File: VF059980.D

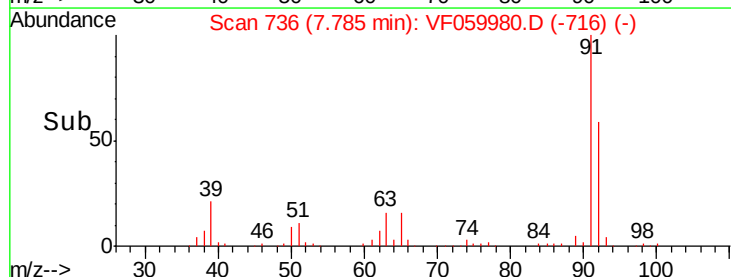
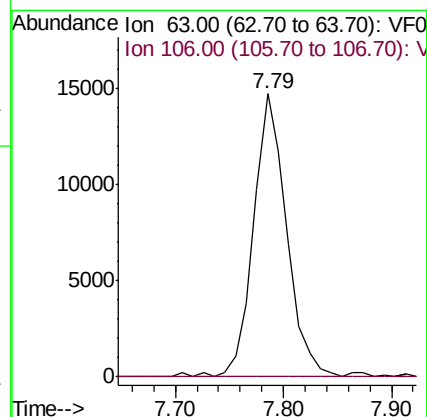
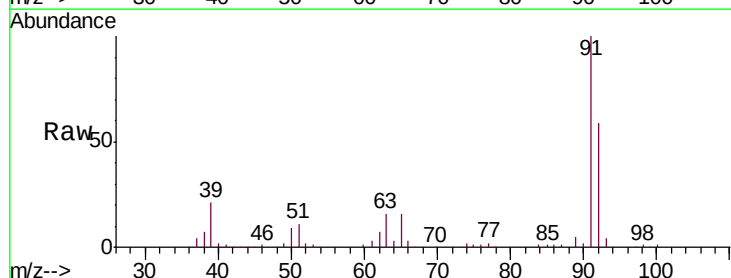
Acq: 17 Aug 2018 18:32

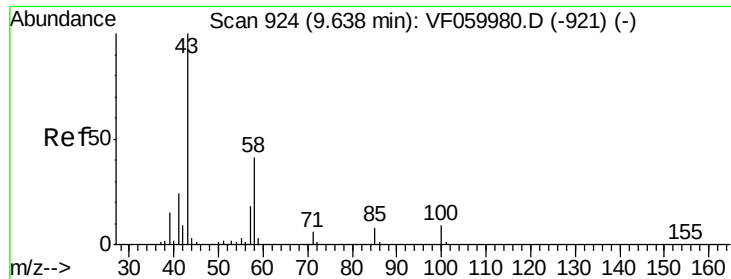
Tgt Ion: 63 Resp: 31315

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0

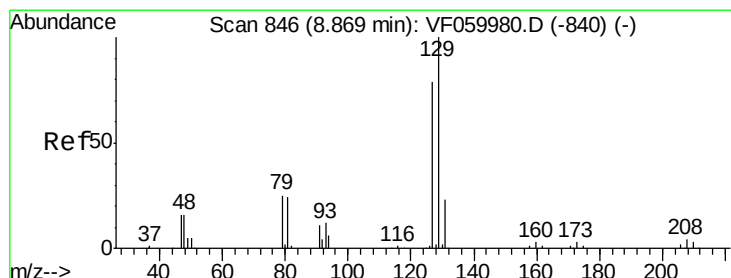
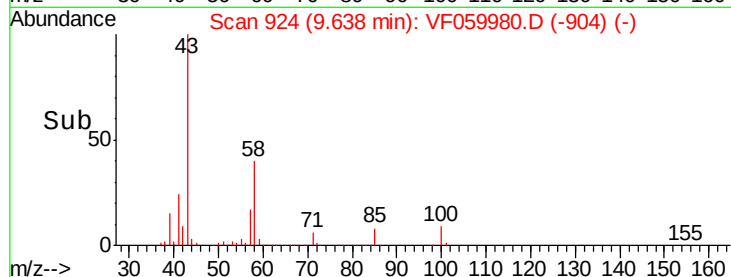
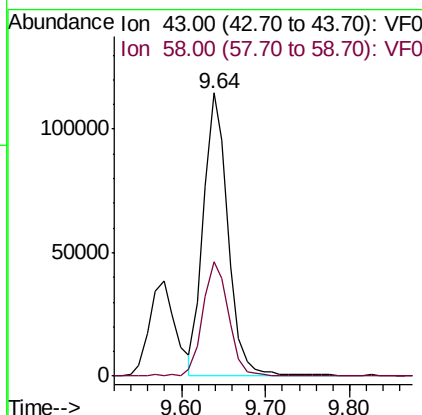
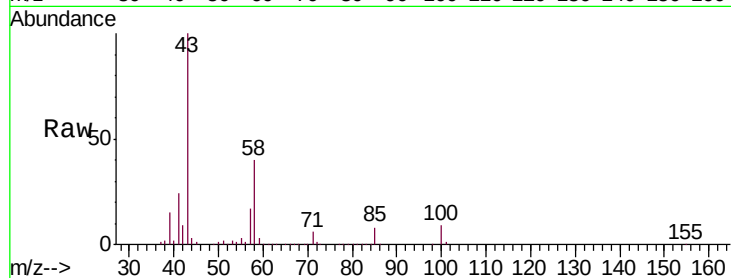




#59
2-Hexanone
Concen: 225.467 ug/l
RT: 9.64 min Scan# 924
Delta R.T. 0.00 min
Lab File: VF059980.D
Acq: 17 Aug 2018 18:32

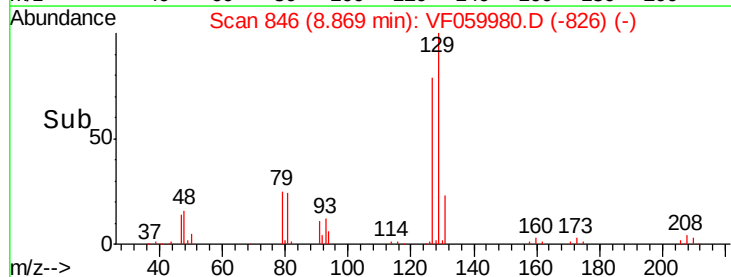
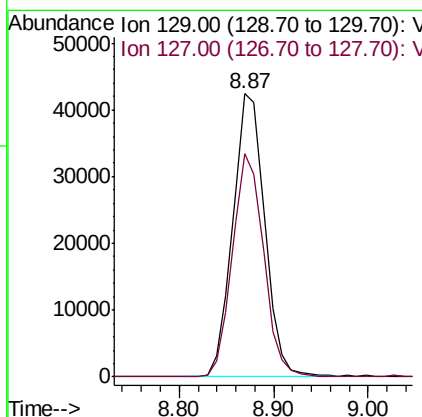
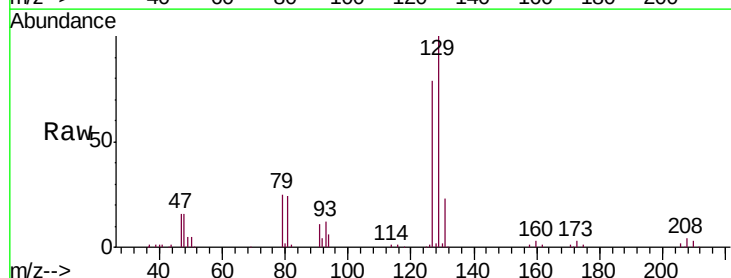
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

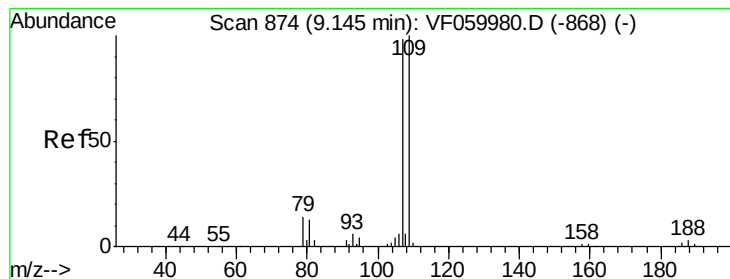
Tgt Ion: 43 Resp: 231632
Ion Ratio Lower Upper
43 100
58 40.2 20.1 60.3



#60
Dibromochloromethane
Concen: 50.761 ug/l
RT: 8.87 min Scan# 846
Delta R.T. 0.00 min
Lab File: VF059980.D
Acq: 17 Aug 2018 18:32

Tgt Ion: 129 Resp: 99455
Ion Ratio Lower Upper
129 100
127 79.0 39.5 118.5





#61

1,2-Dibromoethane

Concen: 48.998 ug/l

RT: 9.15 min Scan# 874

Delta R.T. 0.00 min

Lab File: VF059980.D

Acq: 17 Aug 2018 18:32

Instrument :

MSVOA_F

ClientSampleId :

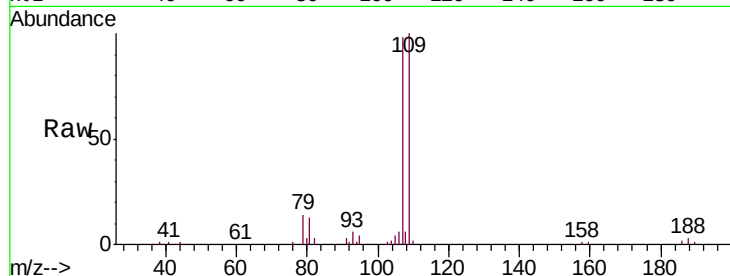
VSTDICCC050

Tgt Ion: 107 Resp: 66905

Ion Ratio Lower Upper

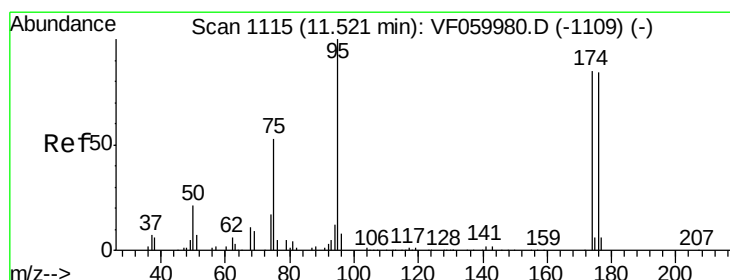
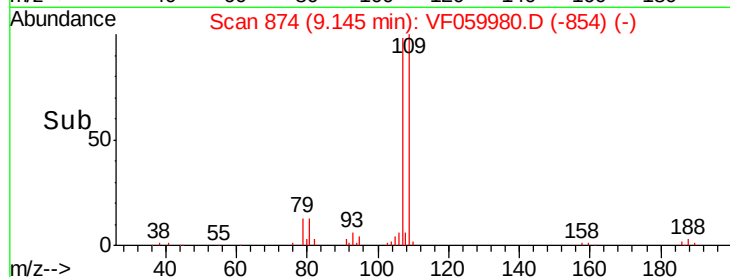
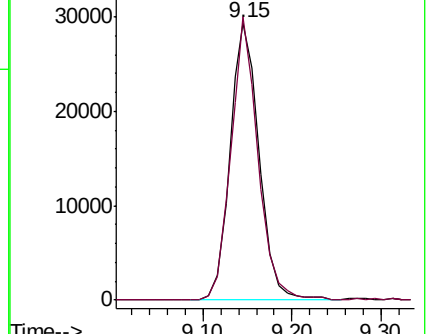
107 100

109 102.1 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: 50.985 ug/l

RT: 11.52 min Scan# 1115

Delta R.T. 0.00 min

Lab File: VF059980.D

Acq: 17 Aug 2018 18:32

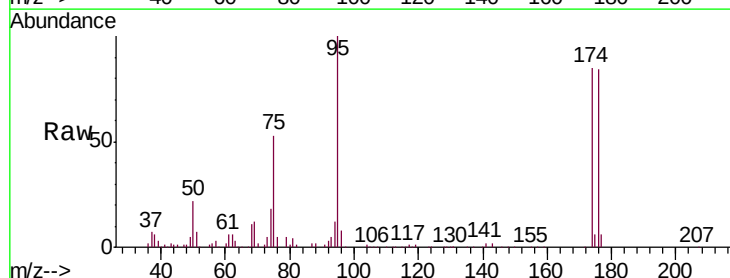
Tgt Ion: 95 Resp: 128842

Ion Ratio Lower Upper

95 100

174 84.9 0.0 169.8

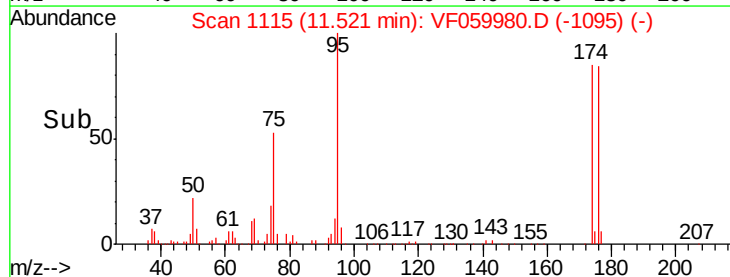
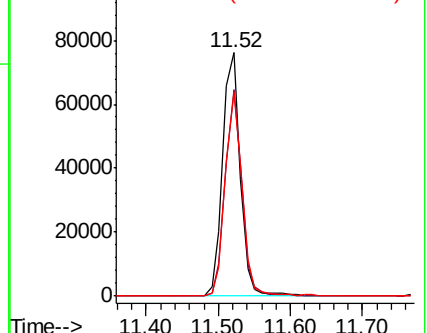
176 83.9 0.0 167.8

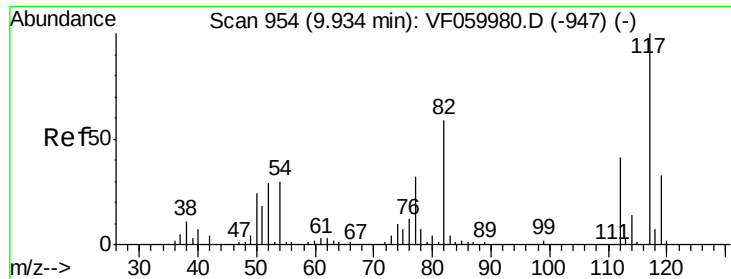


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

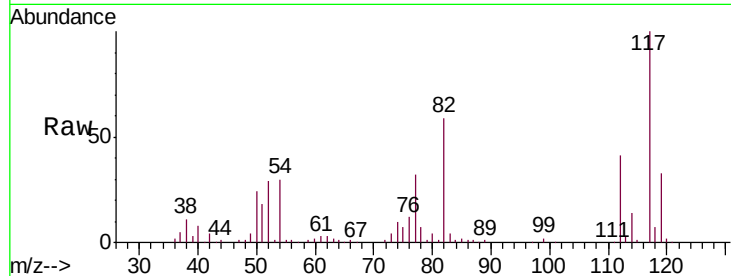




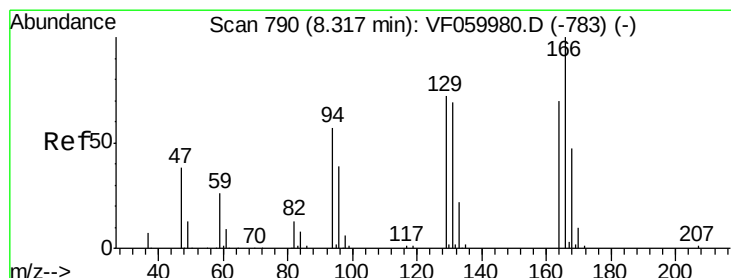
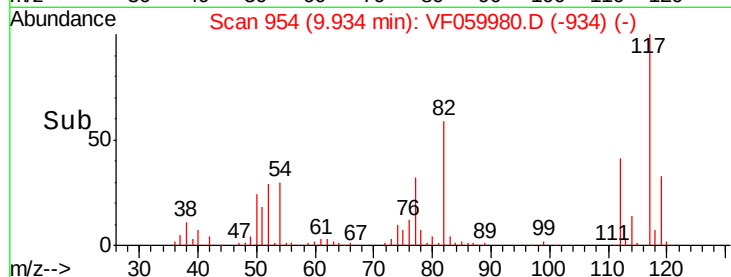
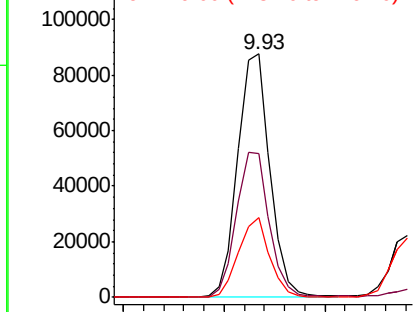
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.93 min Scan# 954
Delta R.T. 0.00 min
Lab File: VF059980.D
Acq: 17 Aug 2018 18:32

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tgt Ion:117 Resp: 195911
Ion Ratio Lower Upper
117 100
82 59.0 47.2 70.8
119 32.6 26.1 39.1

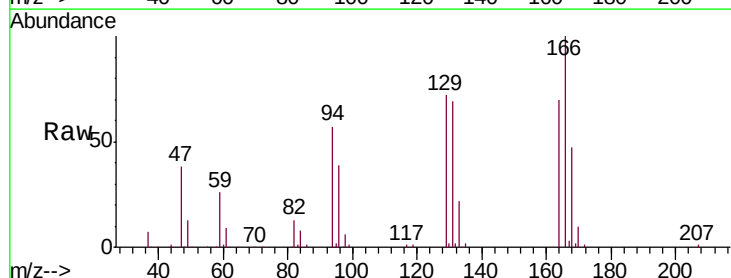


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

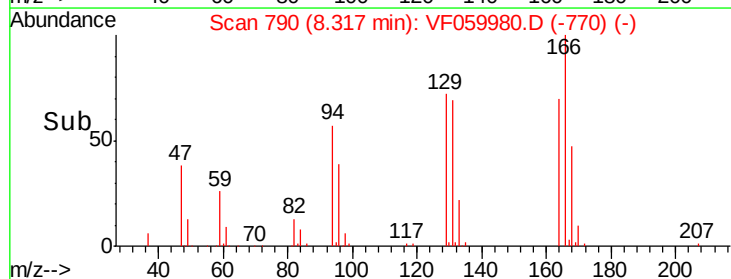
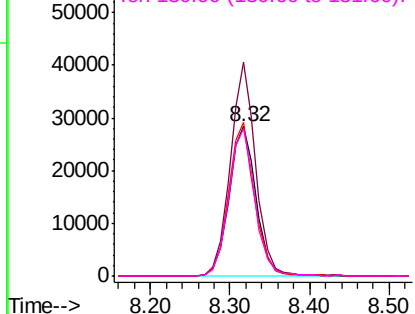


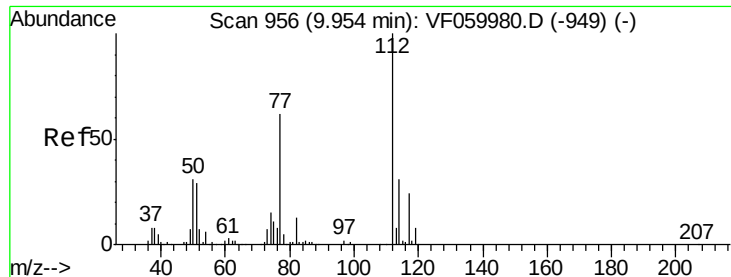
#64
Tetrachloroethene
Concen: 45.420 ug/l
RT: 8.32 min Scan# 790
Delta R.T. 0.00 min
Lab File: VF059980.D
Acq: 17 Aug 2018 18:32

Tgt Ion:164 Resp: 66789
Ion Ratio Lower Upper
164 100
166 143.1 114.5 171.7
129 102.9 82.3 123.5
131 98.3 78.6 118.0



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

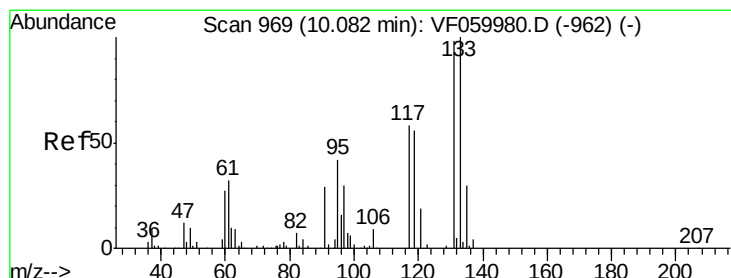
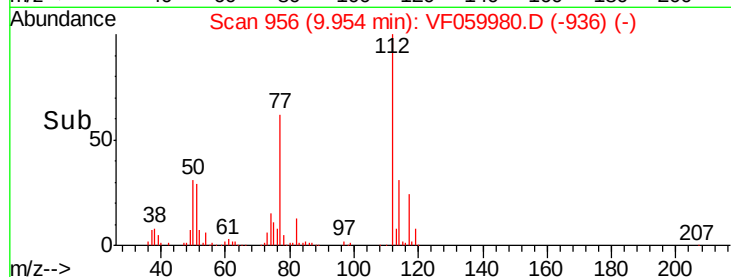
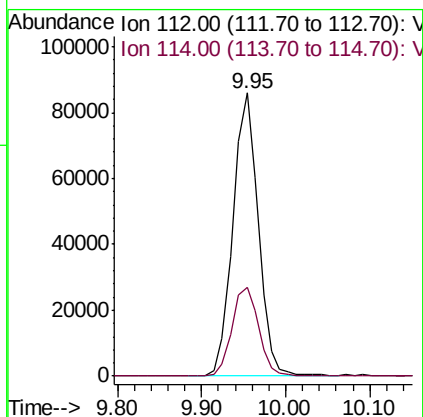
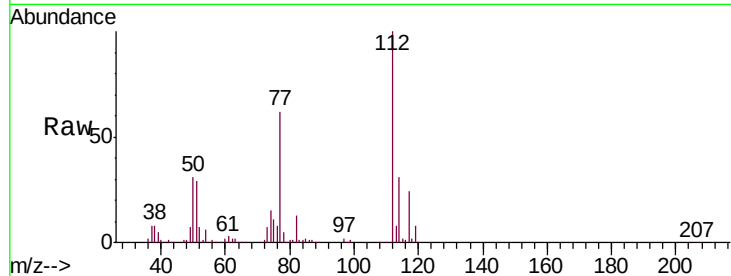




#65
Chlorobenzene
Concen: 47.372 ug/l
RT: 9.95 min Scan# 956
Delta R.T. 0.00 min
Lab File: VF059980.D
Acq: 17 Aug 2018 18:32

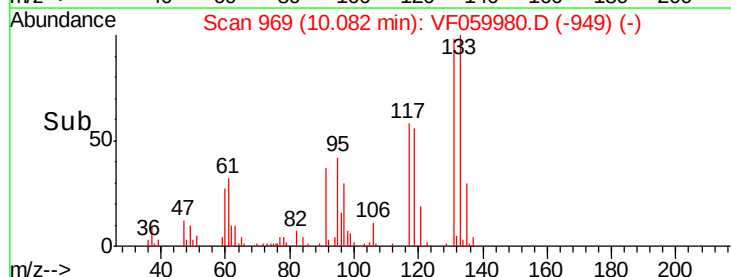
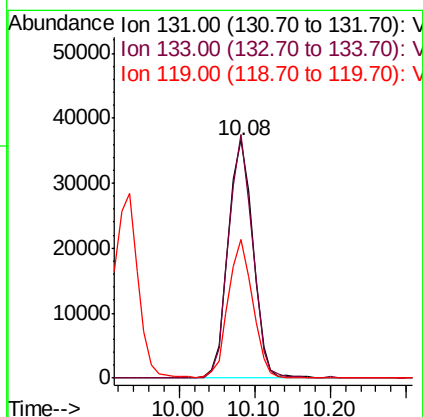
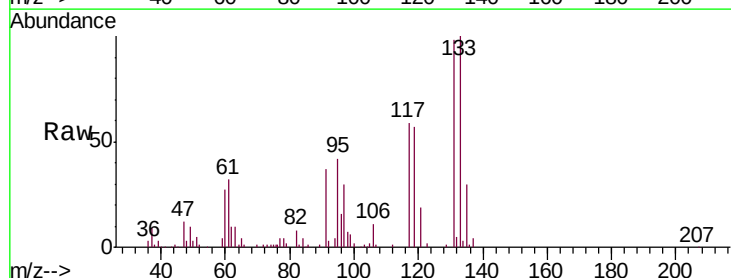
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

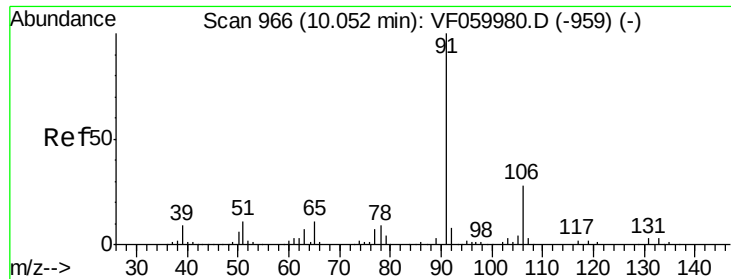
Tgt Ion:112 Resp: 181075
Ion Ratio Lower Upper
112 100
114 31.2 25.0 37.4



#66
1,1,1,2-Tetrachloroethane
Concen: 47.604 ug/l
RT: 10.08 min Scan# 969
Delta R.T. 0.00 min
Lab File: VF059980.D
Acq: 17 Aug 2018 18:32

Tgt Ion:131 Resp: 83628
Ion Ratio Lower Upper
131 100
133 102.2 51.1 153.3
119 58.1 29.0 87.1

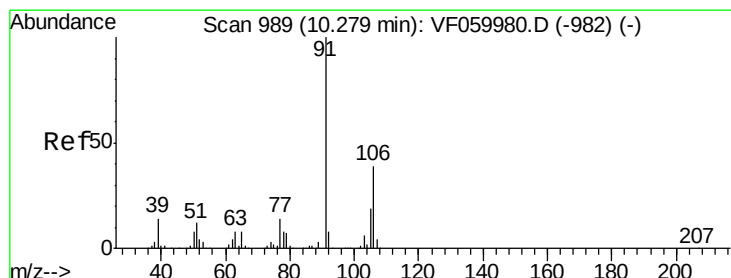
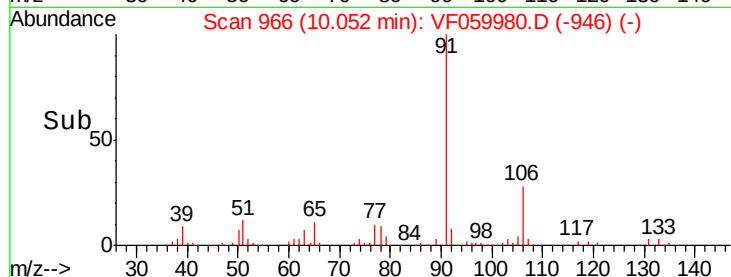
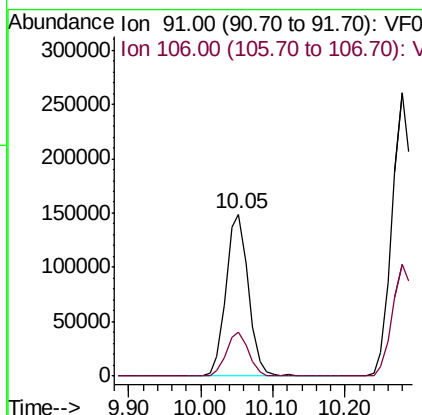
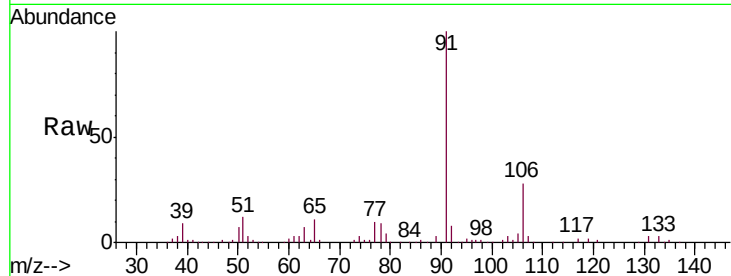




#67
Ethyl Benzene
Concen: 47.191 ug/l
RT: 10.05 min Scan# 966
Delta R.T. 0.00 min
Lab File: VF059980.D
Acq: 17 Aug 2018 18:32

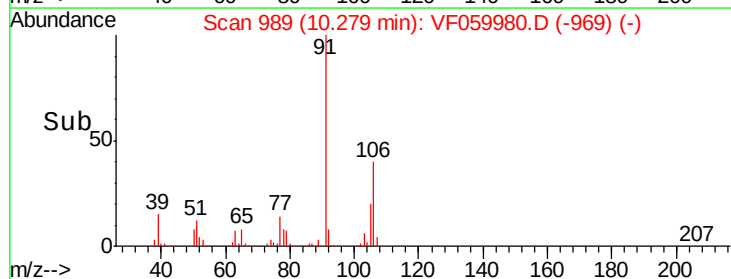
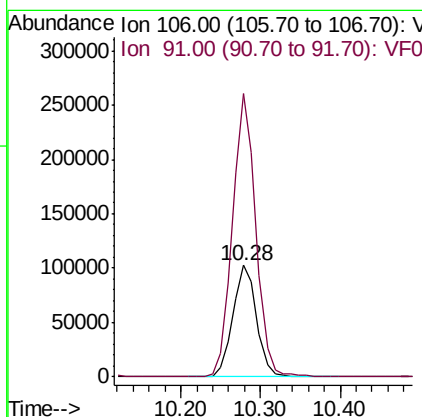
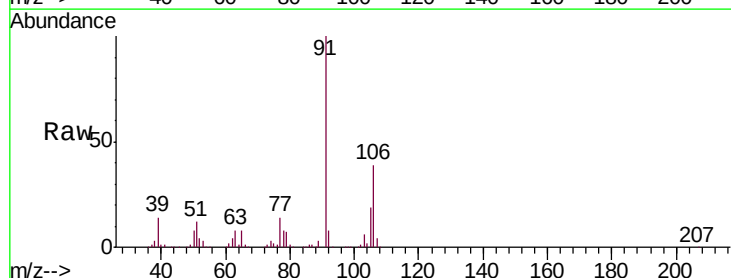
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

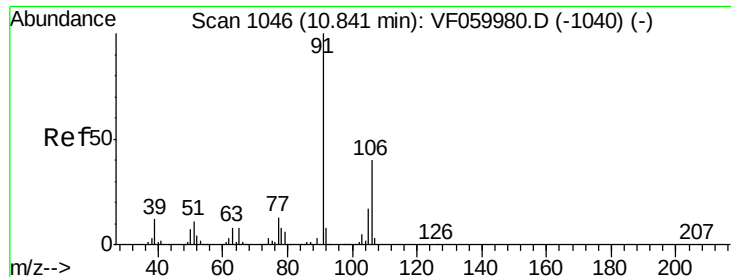
Tgt Ion: 91 Resp: 323798
Ion Ratio Lower Upper
91 100
106 27.5 22.0 33.0



#68
m/p-Xylenes
Concen: 89.228 ug/l
RT: 10.28 min Scan# 989
Delta R.T. 0.00 min
Lab File: VF059980.D
Acq: 17 Aug 2018 18:32

Tgt Ion: 106 Resp: 213080
Ion Ratio Lower Upper
106 100
91 254.4 203.5 305.3

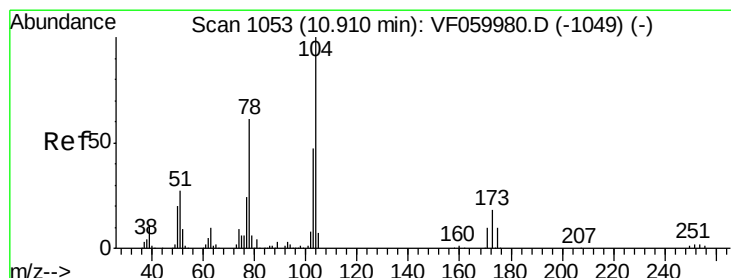
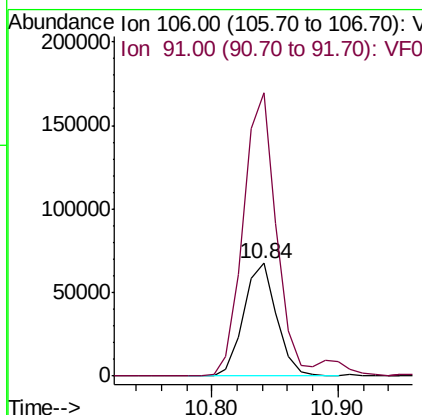
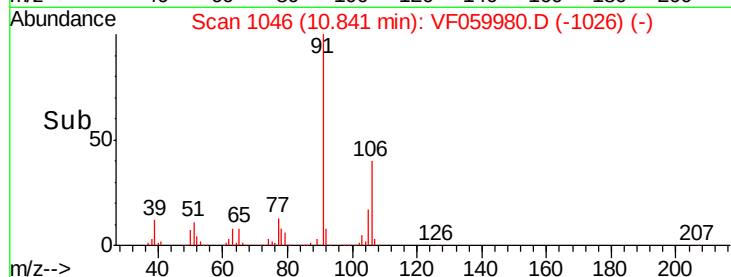
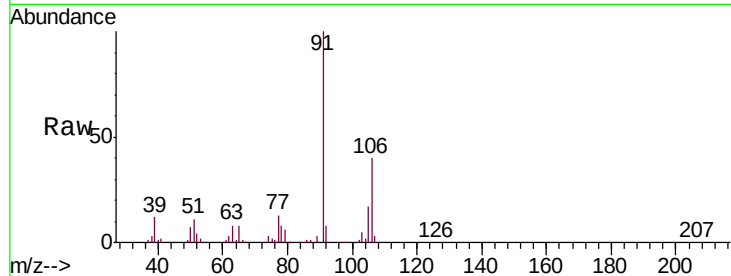




#69
o-Xylene
Concen: 49.792 ug/l
RT: 10.84 min Scan# 1046
Delta R.T. 0.00 min
Lab File: VF059980.D
Acq: 17 Aug 2018 18:32

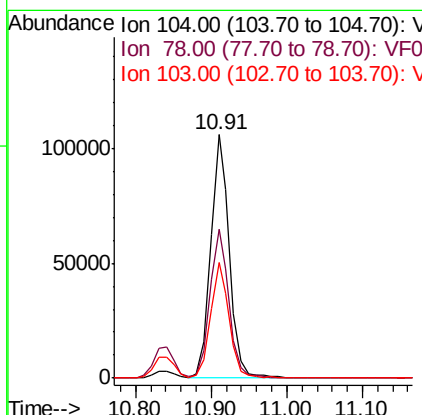
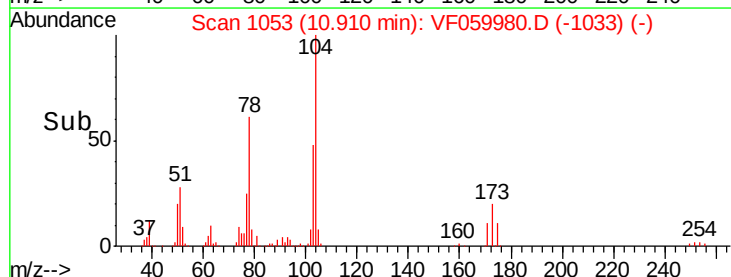
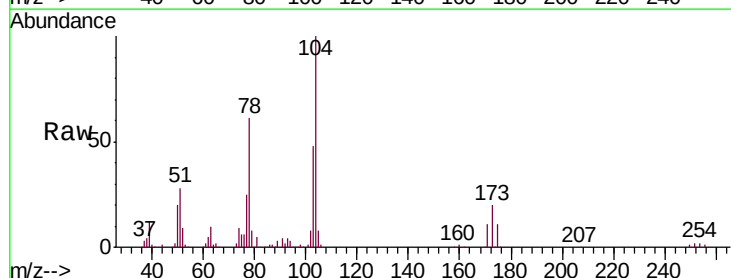
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

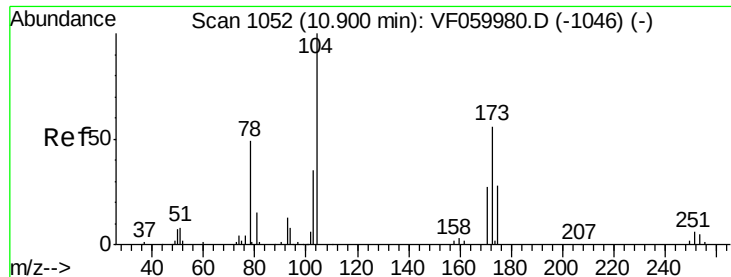
Tgt Ion:106 Resp: 122289
Ion Ratio Lower Upper
106 100
91 250.8 125.4 376.2



#70
Styrene
Concen: 46.956 ug/l
RT: 10.91 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VF059980.D
Acq: 17 Aug 2018 18:32

Tgt Ion:104 Resp: 183661
Ion Ratio Lower Upper
104 100
78 61.3 49.0 73.6
103 47.8 38.2 57.4





#71

Bromoform

Concen: 45.879 ug/l

RT: 10.90 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VF059980.D

Acq: 17 Aug 2018 18:32

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

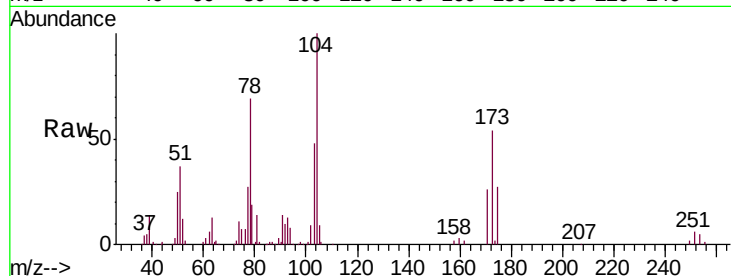
Tgt Ion:173 Resp: 60685

Ion Ratio Lower Upper

173 100

175 49.5 24.8 74.3

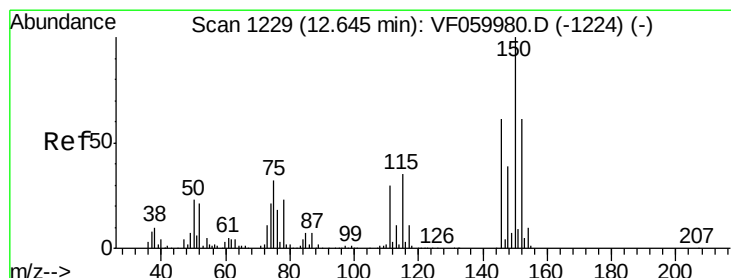
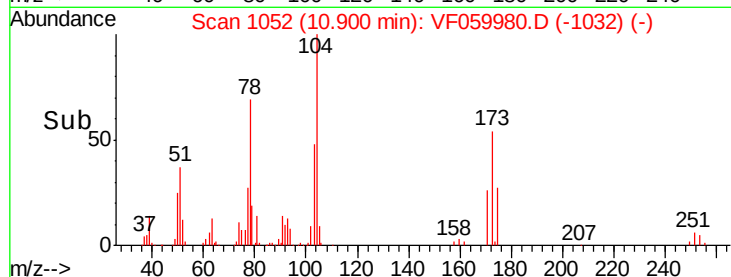
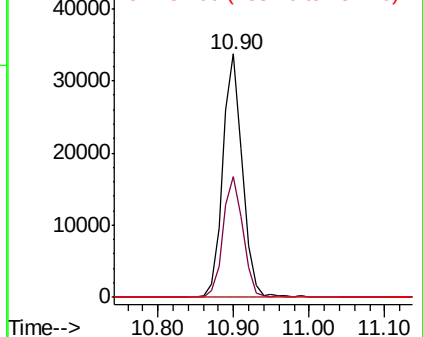
254 0.0 0.0 0.0



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# 1229

Delta R.T. 0.00 min

Lab File: VF059980.D

Acq: 17 Aug 2018 18:32

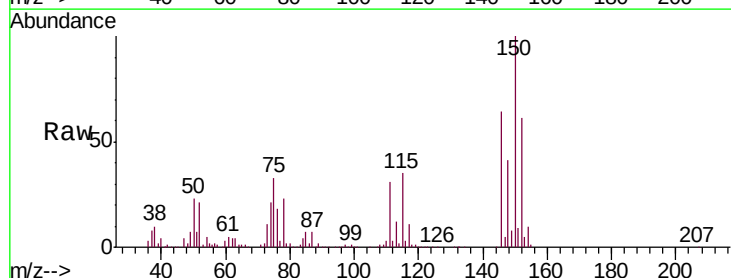
Tgt Ion:152 Resp: 131207

Ion Ratio Lower Upper

152 100

115 58.2 29.1 87.3

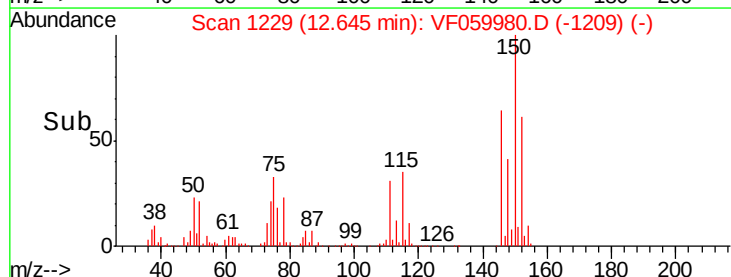
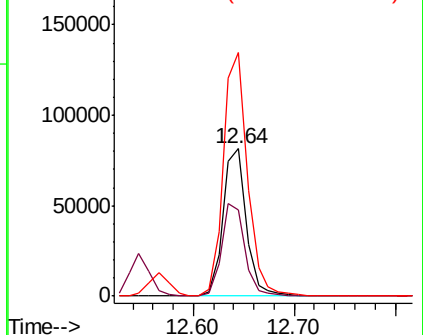
150 165.1 0.0 330.2

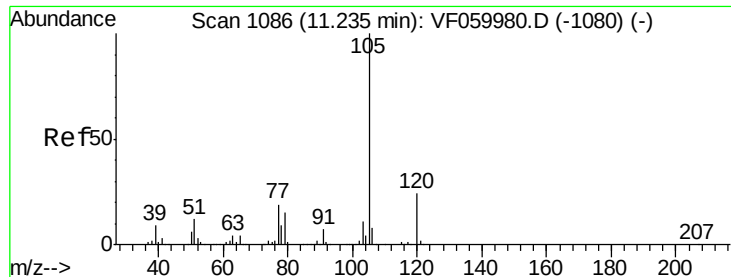


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V

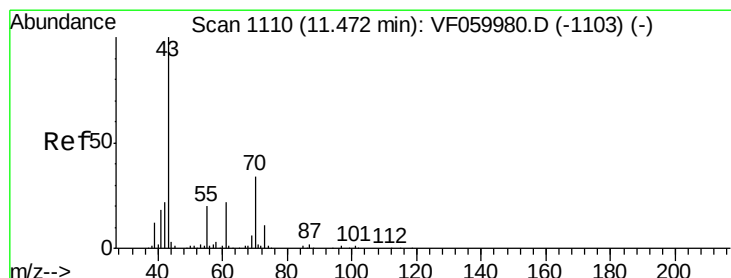
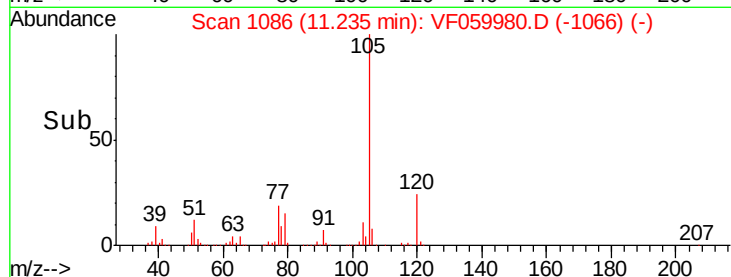
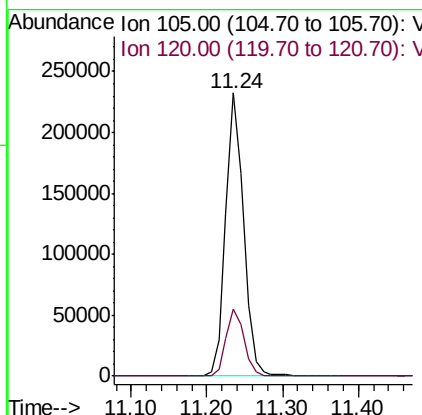
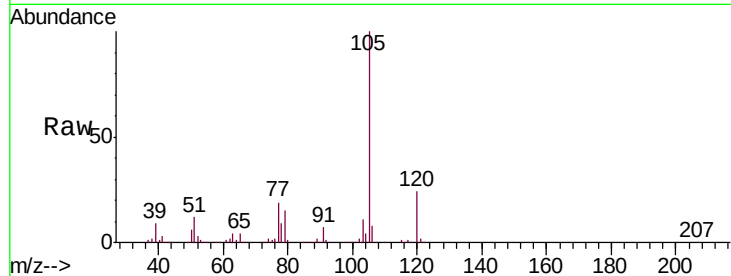




#73
Isopropylbenzene
Concen: 48.728 ug/l
RT: 11.24 min Scan# 1086
Delta R.T. 0.00 min
Lab File: VF059980.D
Acq: 17 Aug 2018 18:32

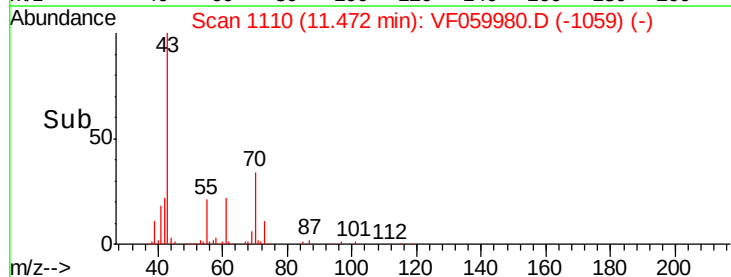
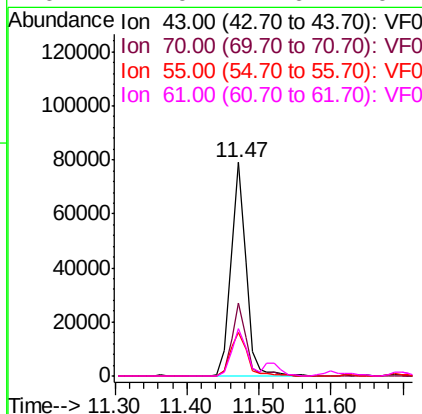
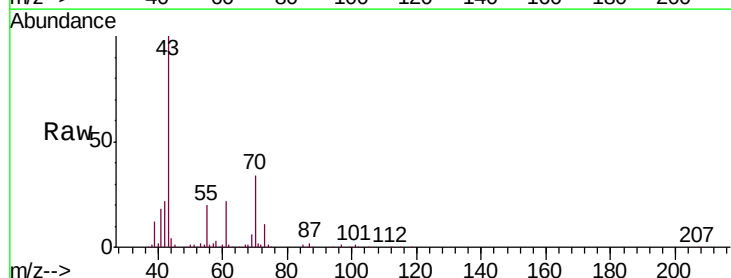
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

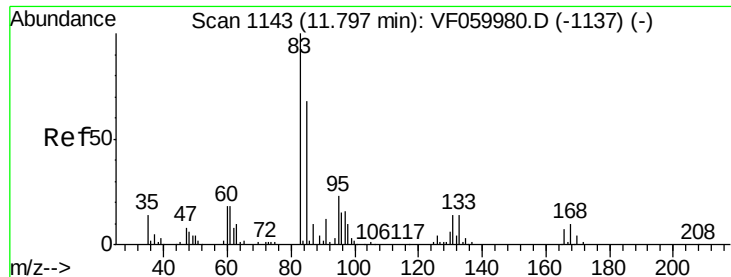
Tgt Ion:105 Resp: 382334
Ion Ratio Lower Upper
105 100
120 23.7 11.9 35.5



#74
N-ethyl acetate
Concen: 50.066 ug/l
RT: 11.47 min Scan# 1110
Delta R.T. 0.00 min
Lab File: VF059980.D
Acq: 17 Aug 2018 18:32

Tgt Ion: 43 Resp: 116184
Ion Ratio Lower Upper
43 100
70 34.0 27.2 40.8
55 20.5 16.4 24.6
61 22.0 17.6 26.4





#75

1,1,2,2-Tetrachloroethane

Concen: 46.994 ug/l

RT: 11.80 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VF059980.D

Acq: 17 Aug 2018 18:32

Instrument :

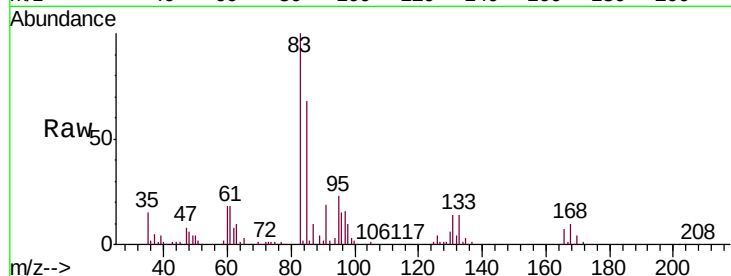
MSVOA_F

ClientSampleId :

VSTDICCC050

Tgt Ion: 83 Resp: 75207

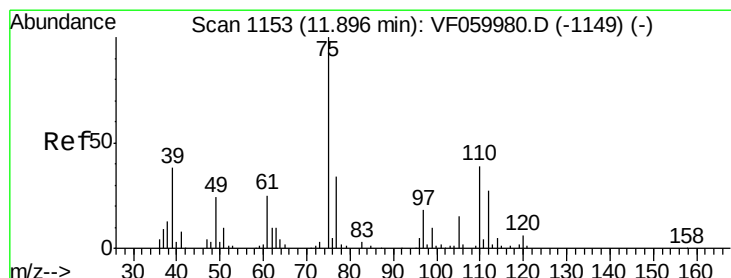
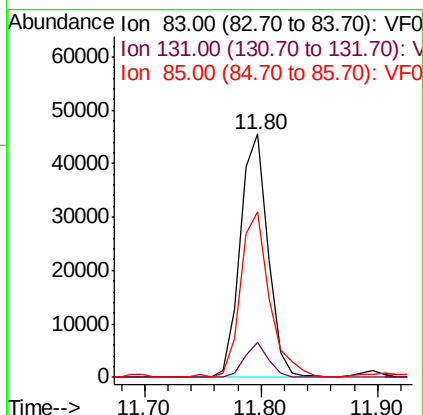
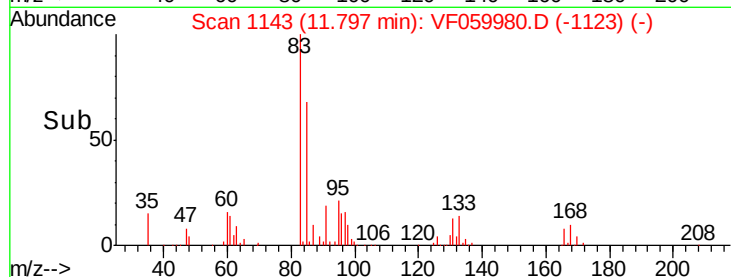
Ion	Ratio	Lower	Upper
83	100		
131	14.4	7.2	21.6
85	68.1	34.1	102.2



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 46.231 ug/l

RT: 11.90 min Scan# 1153

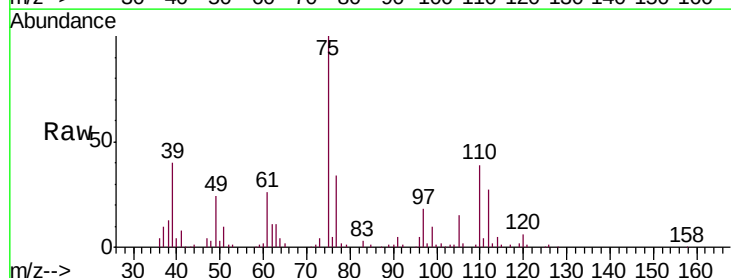
Delta R.T. 0.00 min

Lab File: VF059980.D

Acq: 17 Aug 2018 18:32

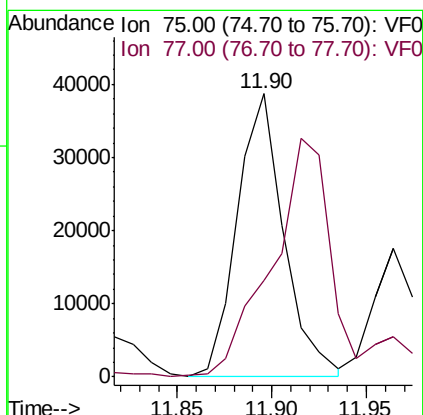
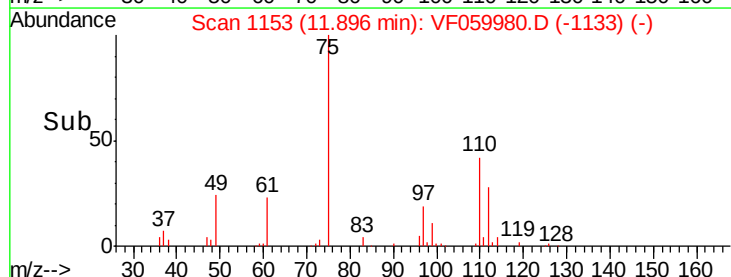
Tgt Ion: 75 Resp: 66145

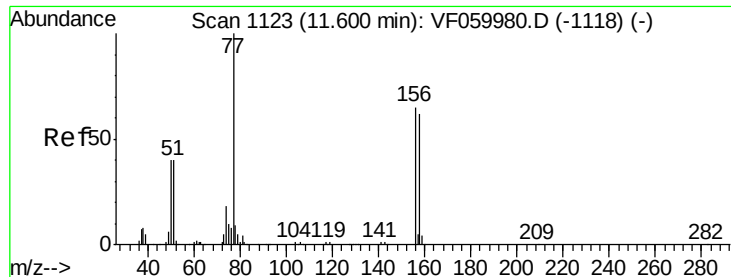
Ion	Ratio	Lower	Upper
75	100		
77	34.2	17.1	51.3



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 48.173 ug/l

RT: 11.60 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VF059980.D

Acq: 17 Aug 2018 18:32

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

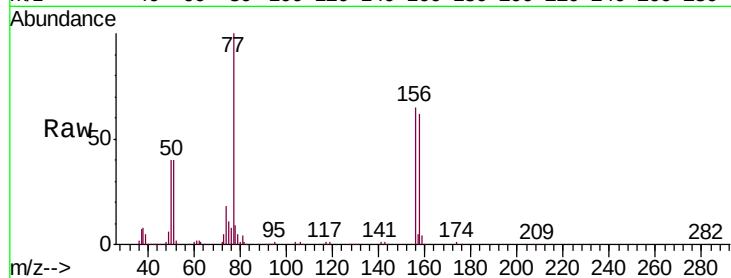
Tgt Ion: 156 Resp: 106645

Ion Ratio Lower Upper

156 100

77 153.8 76.9 230.7

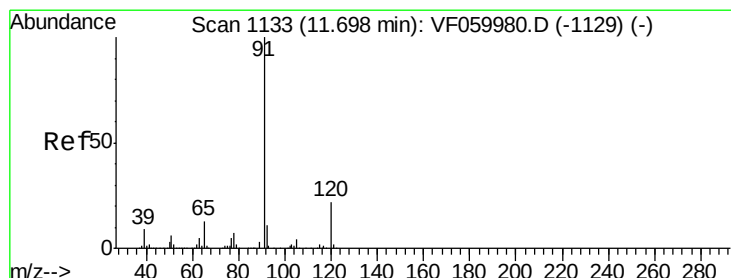
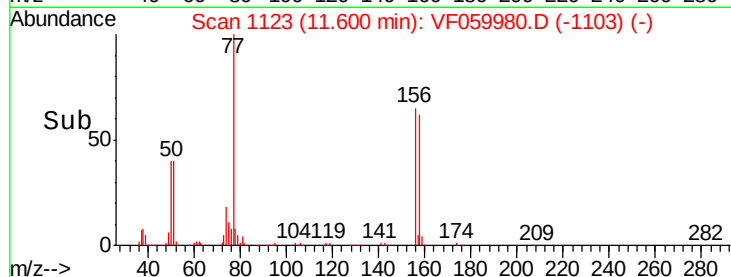
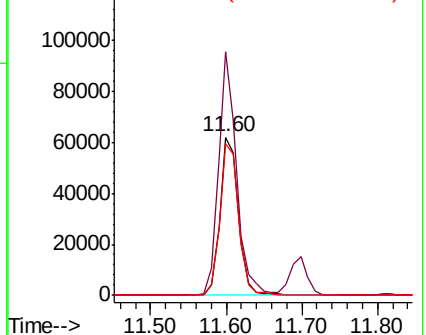
158 95.4 47.7 143.1



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: 47.348 ug/l

RT: 11.70 min Scan# 1133

Delta R.T. 0.00 min

Lab File: VF059980.D

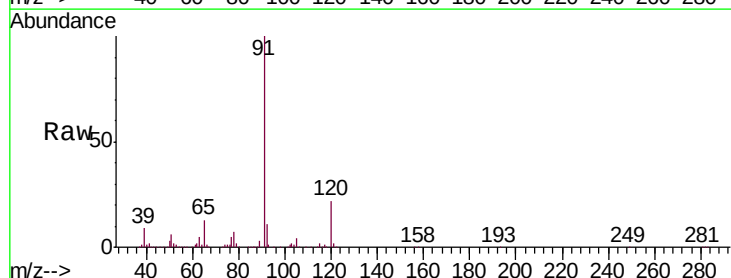
Acq: 17 Aug 2018 18:32

Tgt Ion: 91 Resp: 461311

Ion Ratio Lower Upper

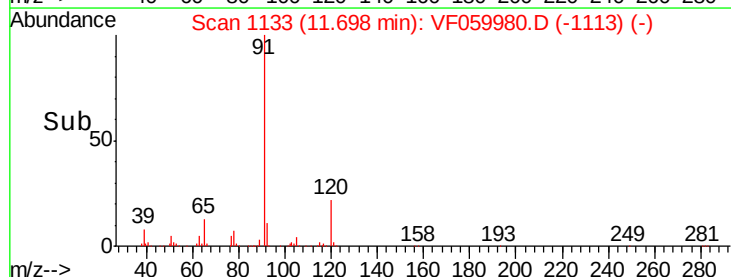
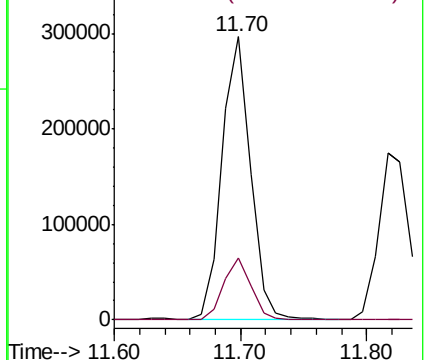
91 100

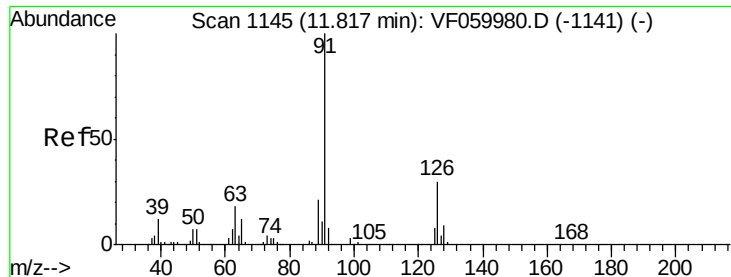
120 22.0 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 48.817 ug/l

RT: 11.82 min Scan# 1145

Delta R.T. 0.00 min

Lab File: VF059980.D

Acq: 17 Aug 2018 18:32

Instrument :

MSVOA_F

ClientSampleId :

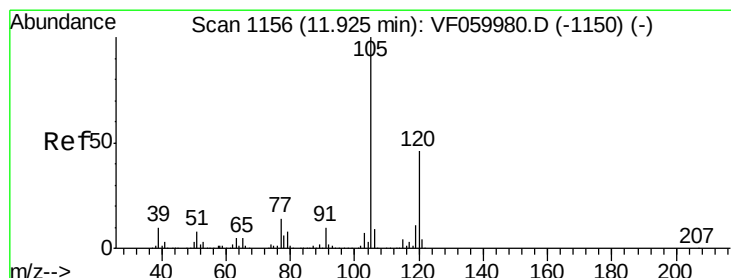
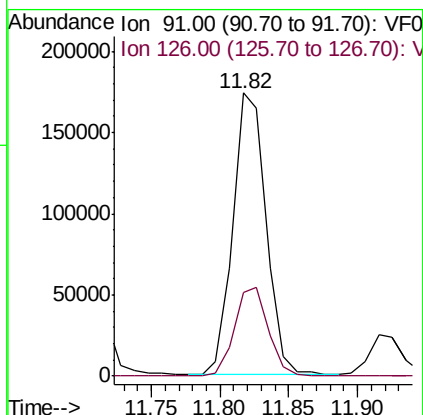
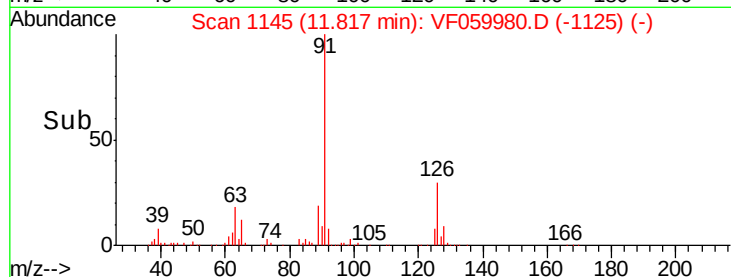
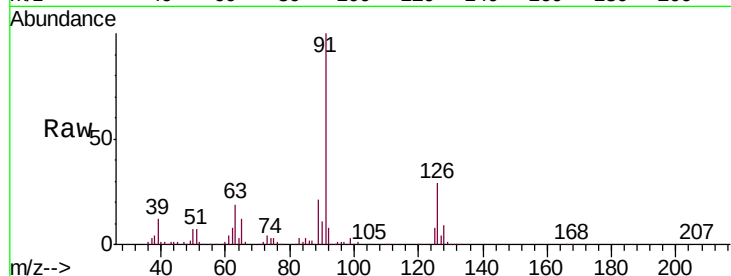
VSTDICCC050

Tgt Ion: 91 Resp: 291314

Ion Ratio Lower Upper

91 100

126 29.4 14.7 44.1



#80

1,3,5-Trimethylbenzene

Concen: 49.123 ug/l

RT: 11.93 min Scan# 1156

Delta R.T. 0.00 min

Lab File: VF059980.D

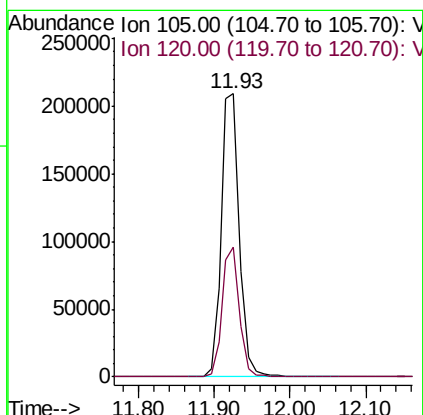
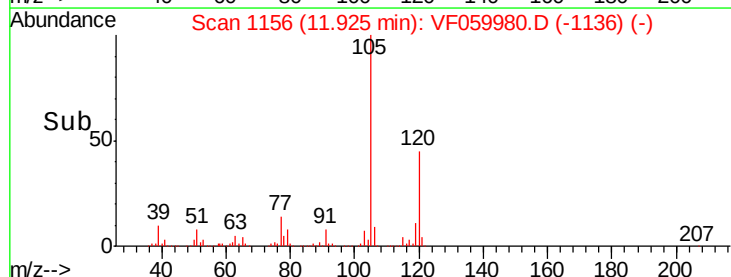
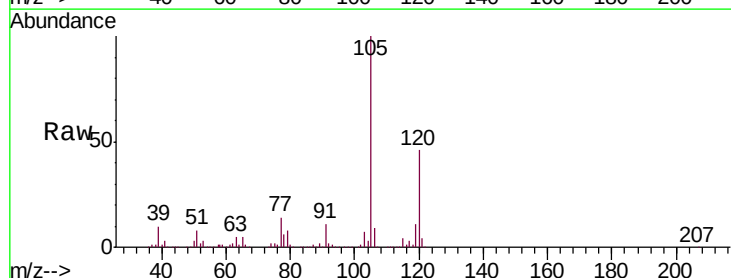
Acq: 17 Aug 2018 18:32

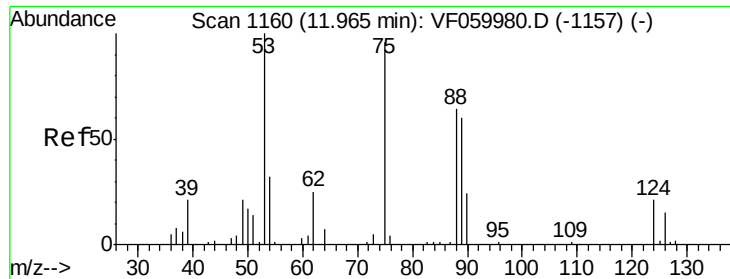
Tgt Ion: 105 Resp: 348914

Ion Ratio Lower Upper

105 100

120 45.8 22.9 68.7

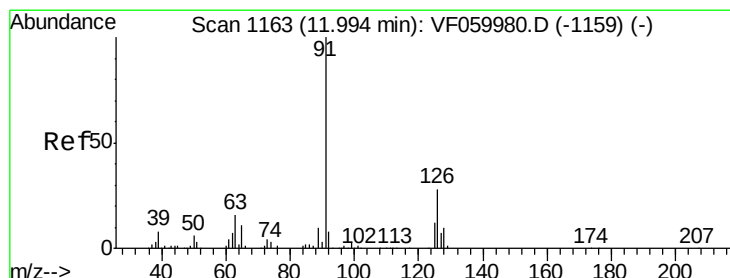
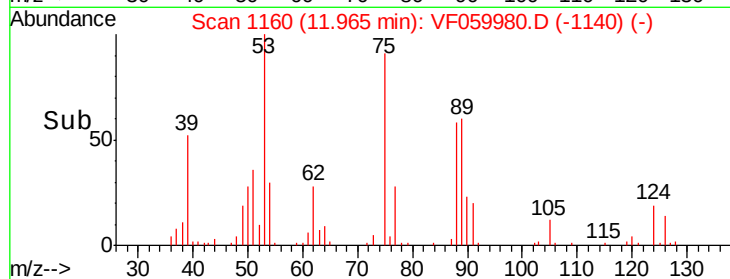
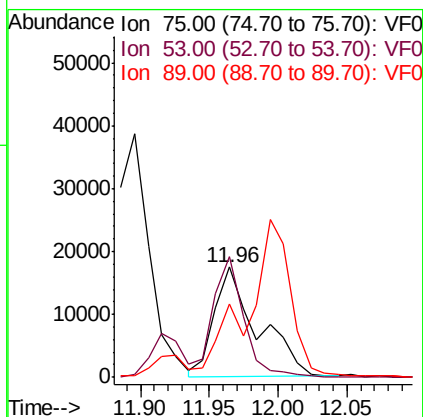
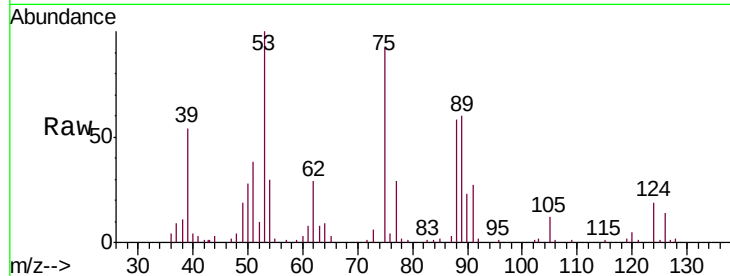




#81
trans-1,4-Dichloro-2-butene
Concen: 51.518 ug/l
RT: 11.96 min Scan# 1160
Delta R.T. 0.00 min
Lab File: VF059980.D
Acq: 17 Aug 2018 18:32

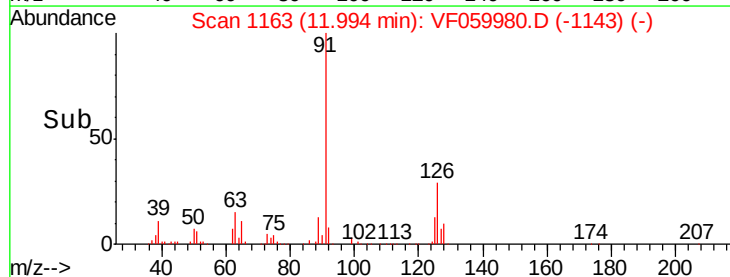
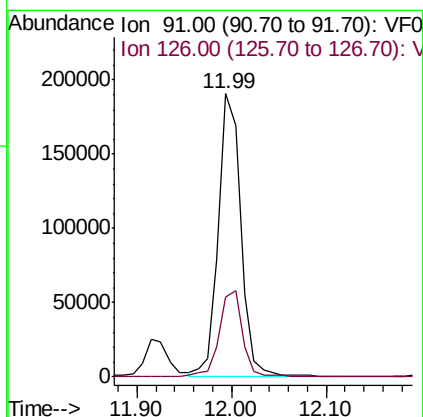
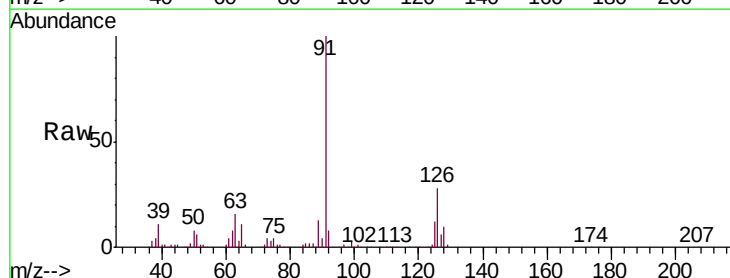
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

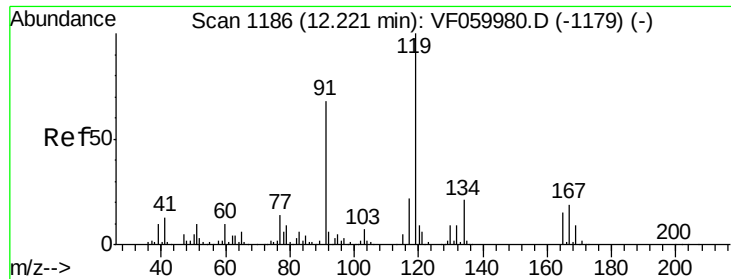
Tgt Ion: 75 Resp: 38000
Ion Ratio Lower Upper
75 100
53 109.2 87.4 131.0
89 66.0 52.8 79.2



#82
4-Chlorotoluene
Concen: 48.461 ug/l
RT: 11.99 min Scan# 1163
Delta R.T. 0.00 min
Lab File: VF059980.D
Acq: 17 Aug 2018 18:32

Tgt Ion: 91 Resp: 314887
Ion Ratio Lower Upper
91 100
126 28.3 14.1 42.4

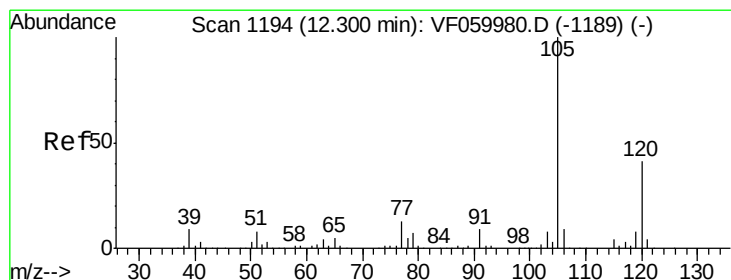
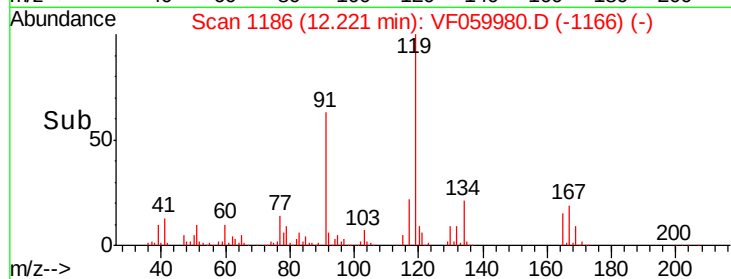
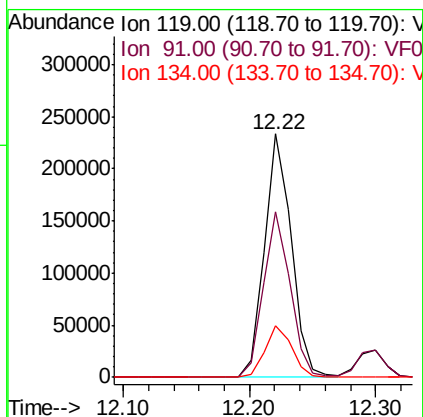
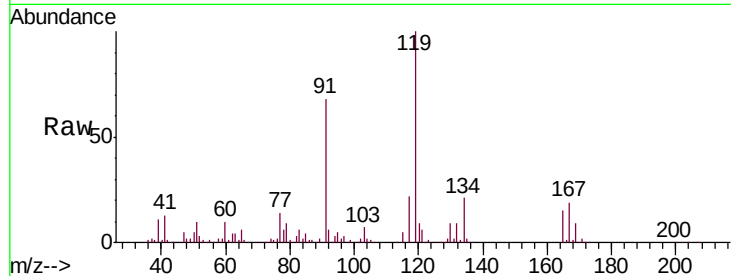




#83
tert-Butylbenzene
Concen: 49.477 ug/l
RT: 12.22 min Scan# 1186
Delta R.T. 0.00 min
Lab File: VF059980.D
Acq: 17 Aug 2018 18:32

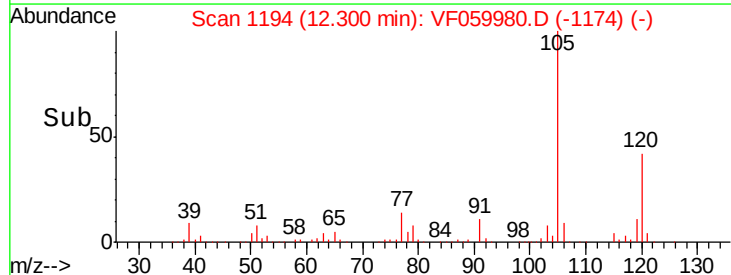
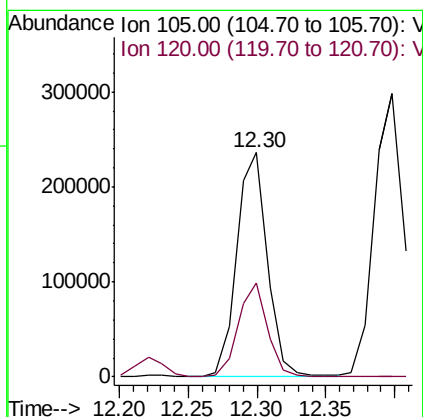
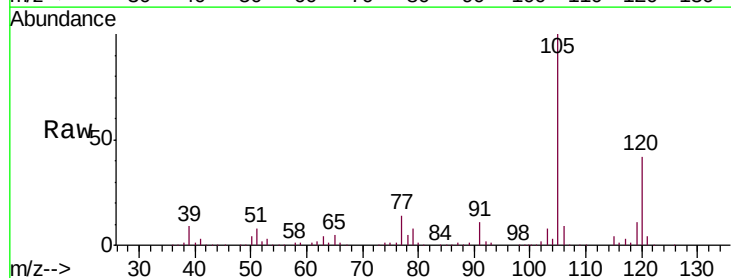
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

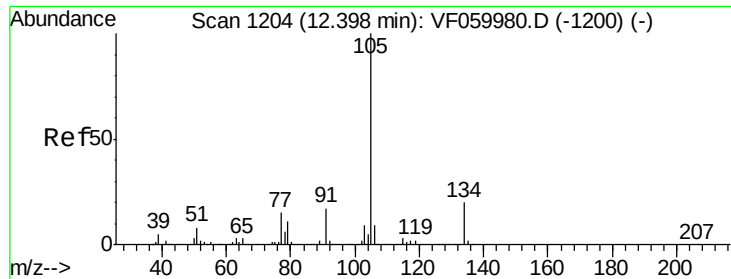
Tgt Ion:119 Resp: 347351
Ion Ratio Lower Upper
119 100
91 68.1 34.1 102.2
134 21.1 10.5 31.6



#84
1,2,4-Trimethylbenzene
Concen: 49.055 ug/l
RT: 12.30 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VF059980.D
Acq: 17 Aug 2018 18:32

Tgt Ion:105 Resp: 365949
Ion Ratio Lower Upper
105 100
120 41.8 20.9 62.7





#85

sec-Butylbenzene

Concen: 49.027 ug/l

RT: 12.40 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VF059980.D

Acq: 17 Aug 2018 18:32

Instrument :

MSVOA_F

ClientSampleId :

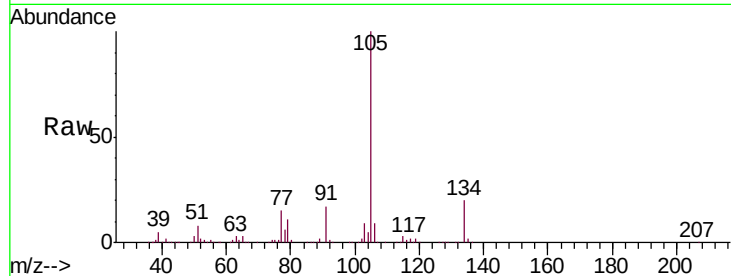
VSTDICCC050

Tgt Ion:105 Resp: 450371

Ion Ratio Lower Upper

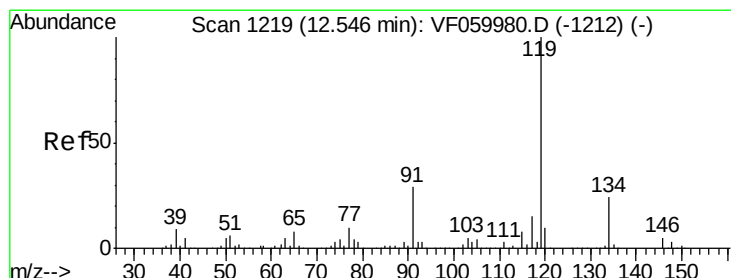
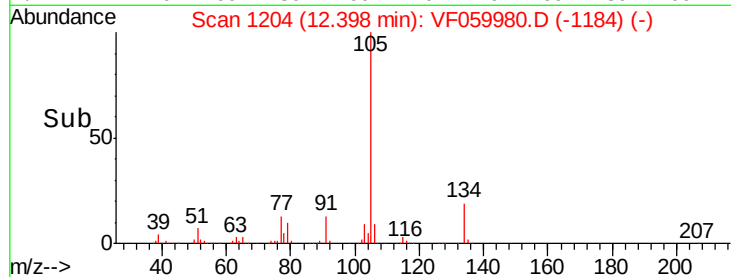
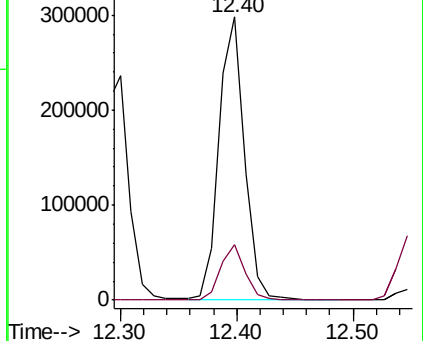
105 100

134 19.7 9.8 29.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 47.206 ug/l

RT: 12.55 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VF059980.D

Acq: 17 Aug 2018 18:32

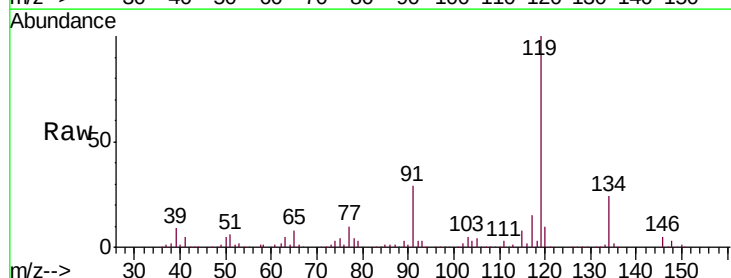
Tgt Ion:119 Resp: 383335

Ion Ratio Lower Upper

119 100

134 24.2 12.1 36.3

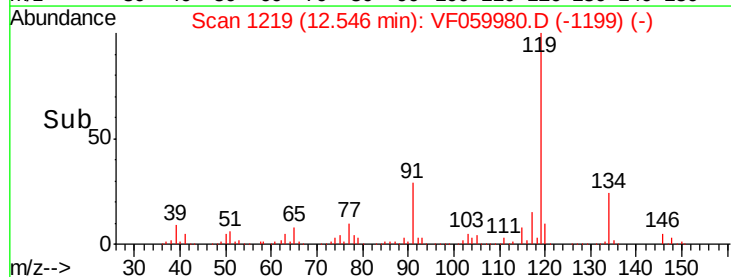
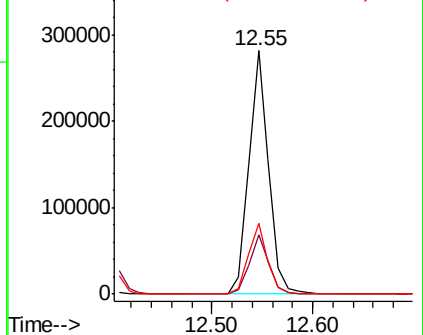
91 28.9 14.4 43.4

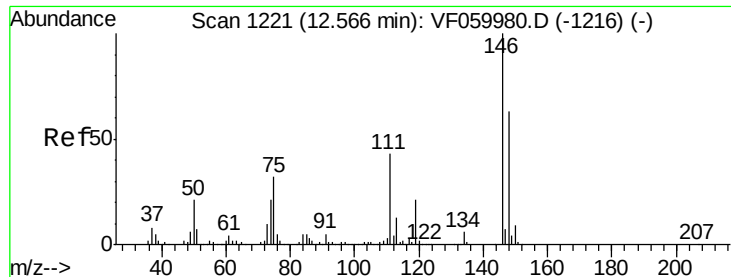


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0

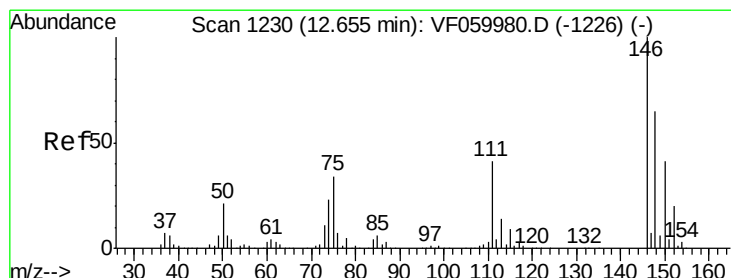
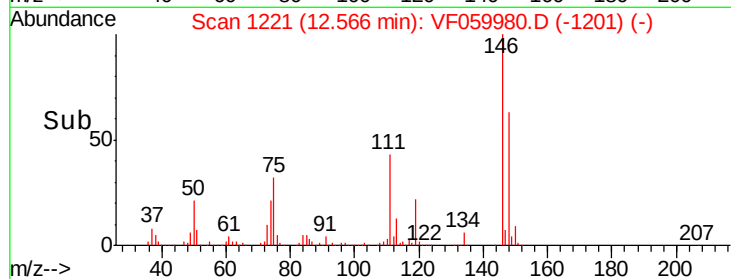
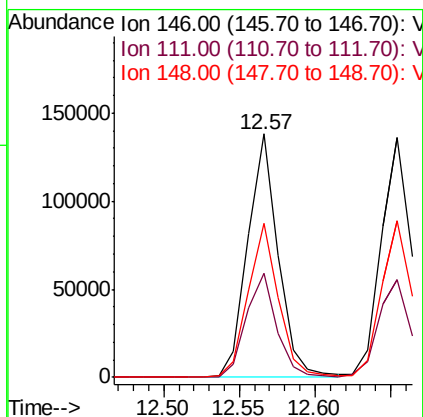
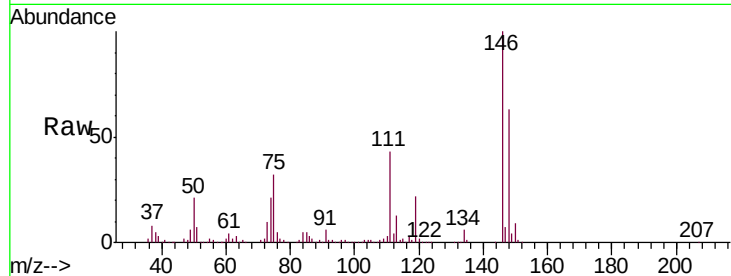




#87
 1,3-Dichlorobenzene
 Concen: 46.547 ug/l
 RT: 12.57 min Scan# 1221
 Delta R.T. 0.00 min
 Lab File: VF059980.D
 Acq: 17 Aug 2018 18:32

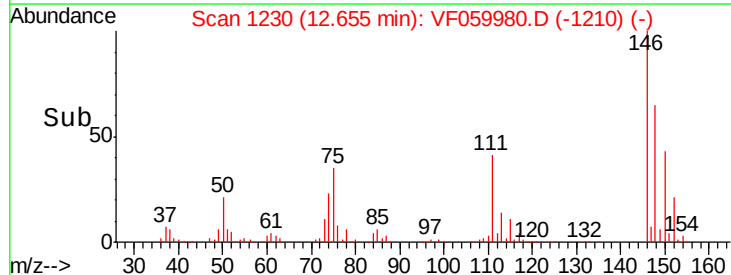
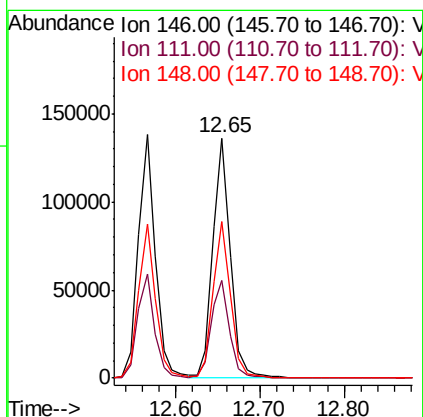
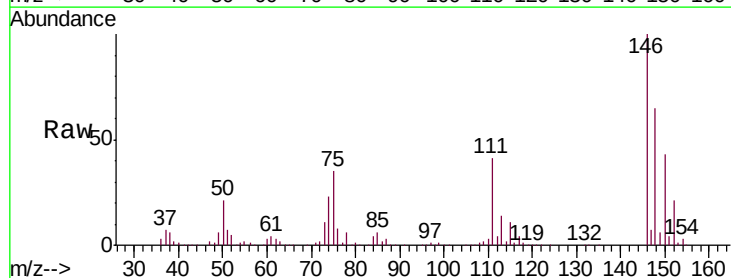
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

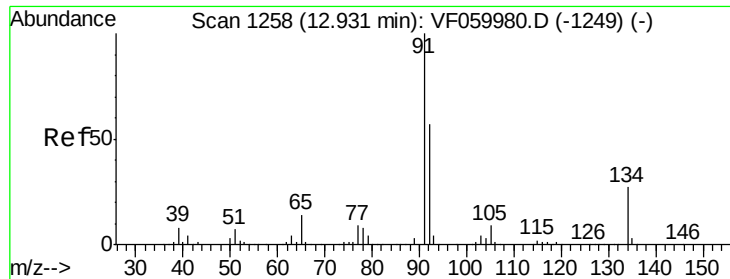
Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.5	21.3	63.7
148	63.3	31.6	95.0



#88
 1,4-Dichlorobenzene
 Concen: 48.245 ug/l
 RT: 12.65 min Scan# 1230
 Delta R.T. 0.00 min
 Lab File: VF059980.D
 Acq: 17 Aug 2018 18:32

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.7	20.3	61.0
148	65.2	32.6	97.8

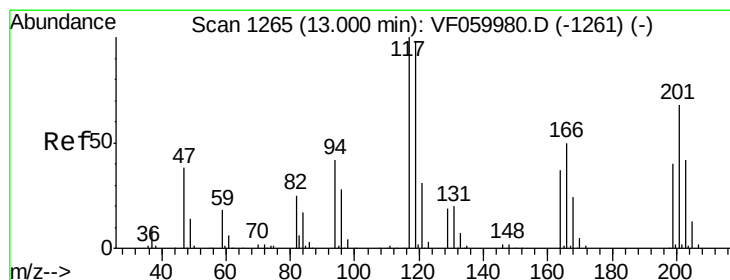
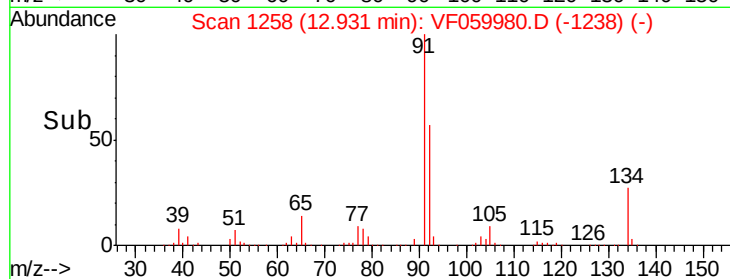
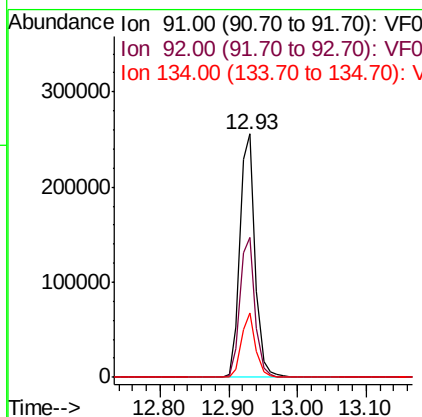
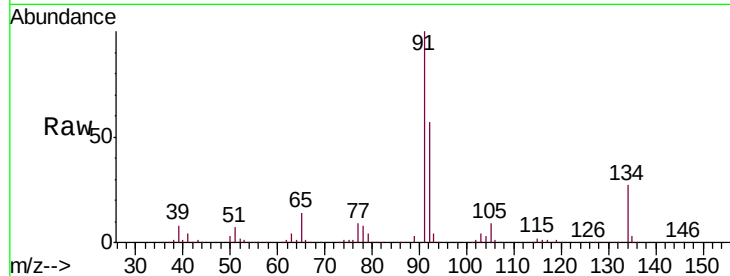




#89
n-Butylbenzene
Concen: 49.543 ug/l
RT: 12.93 min Scan# 1258
Delta R.T. 0.00 min
Lab File: VF059980.D
Acq: 17 Aug 2018 18:32

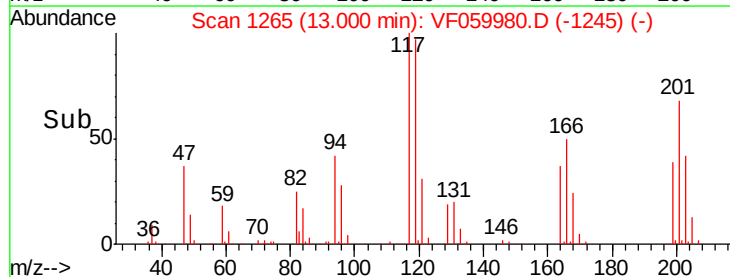
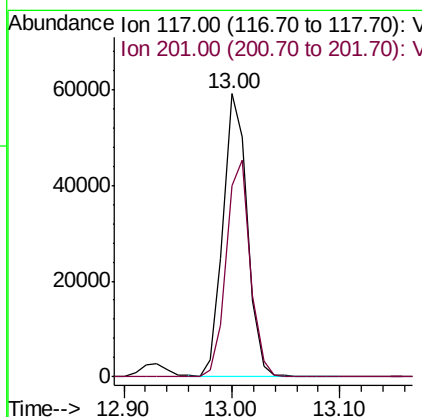
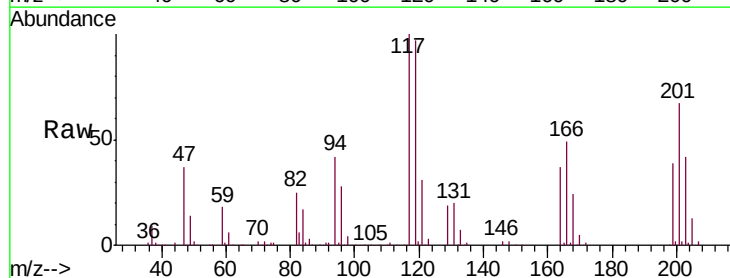
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

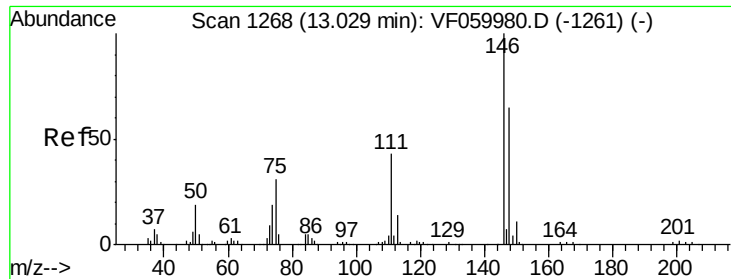
Tgt Ion: 91 Resp: 388896
Ion Ratio Lower Upper
91 100
92 57.5 28.7 86.3
134 26.6 13.3 39.9



#90
Hexachloroethane
Concen: 50.708 ug/l
RT: 13.00 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VF059980.D
Acq: 17 Aug 2018 18:32

Tgt Ion: 117 Resp: 92653
Ion Ratio Lower Upper
117 100
201 69.0 34.5 103.5

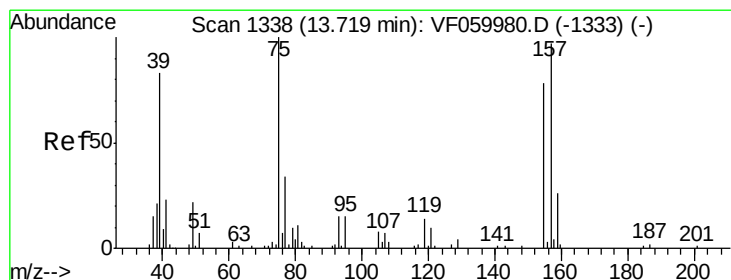
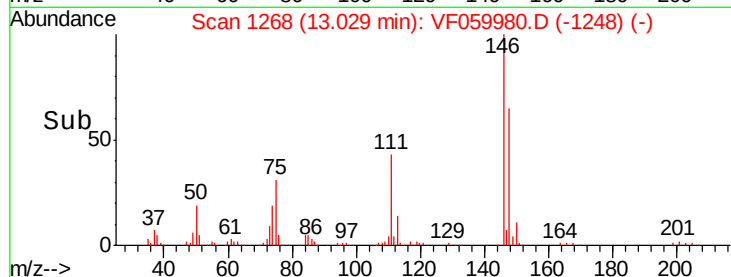
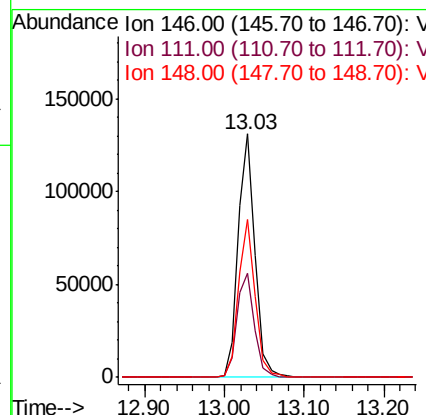
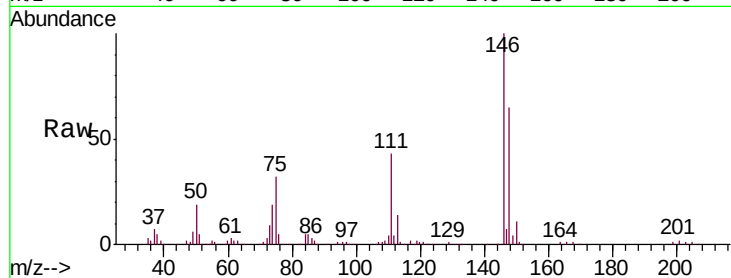




#91
 1,2-Dichlorobenzene
 Concen: 48.570 ug/l
 RT: 13.03 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VF059980.D
 Acq: 17 Aug 2018 18:32

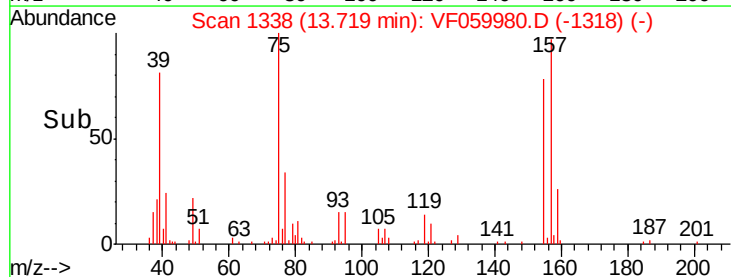
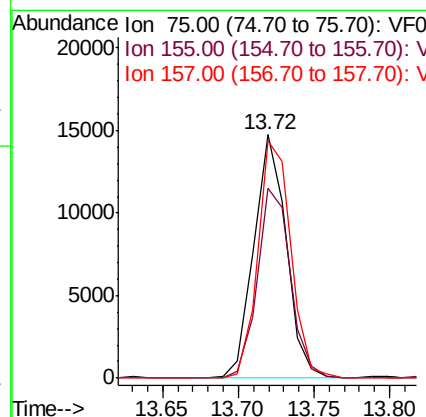
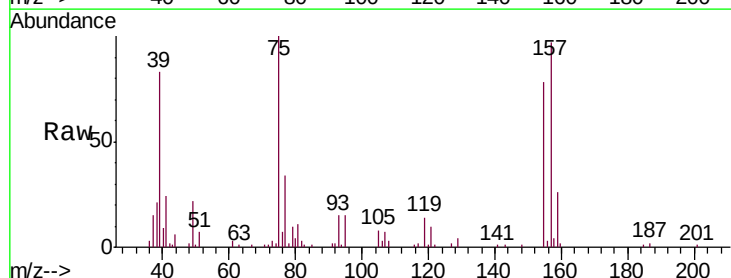
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

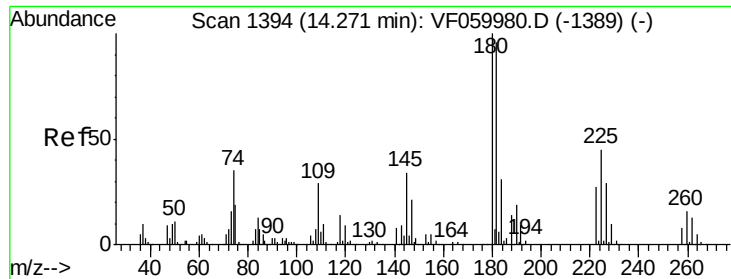
Tgt Ion: 146 Resp: 195587
 Ion Ratio Lower Upper
 146 100
 111 42.9 21.4 64.3
 148 64.9 32.5 97.4



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.714 ug/l
 RT: 13.72 min Scan# 1338
 Delta R.T. 0.00 min
 Lab File: VF059980.D
 Acq: 17 Aug 2018 18:32

Tgt Ion: 75 Resp: 21978
 Ion Ratio Lower Upper
 75 100
 155 77.8 38.9 116.7
 157 101.7 50.8 152.5

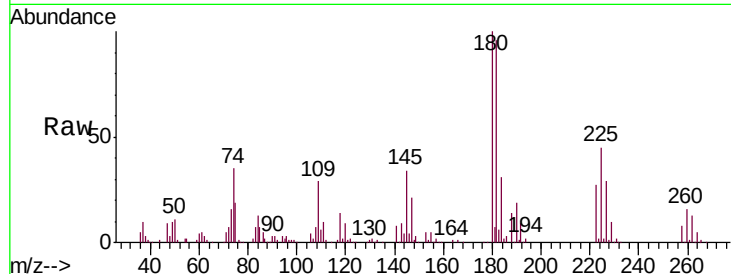




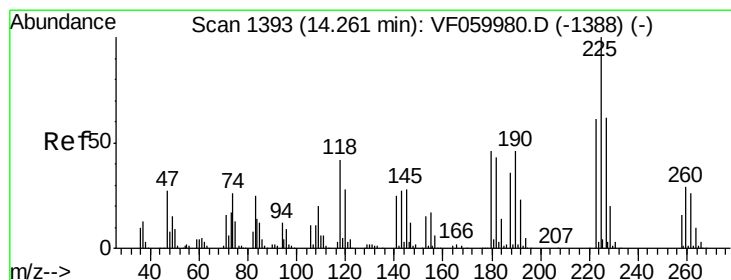
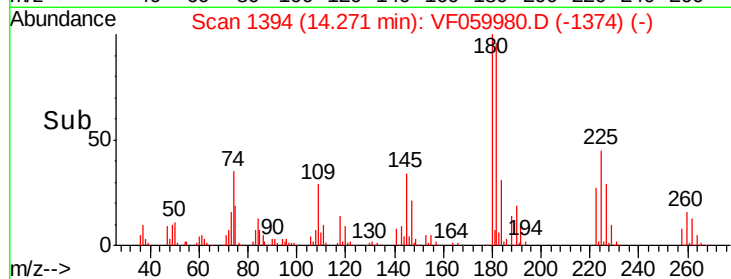
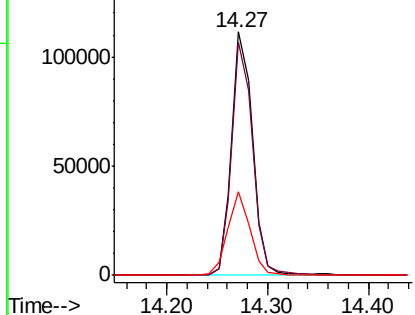
#93
 1,2,4-Trichlorobenzene
 Concen: 49.434 ug/l
 RT: 14.27 min Scan# 1394
 Delta R.T. 0.00 min
 Lab File: VF059980.D
 Acq: 17 Aug 2018 18:32

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tgt Ion:180 Resp: 161512
 Ion Ratio Lower Upper
 180 100
 182 95.7 47.9 143.6
 145 34.3 17.2 51.5

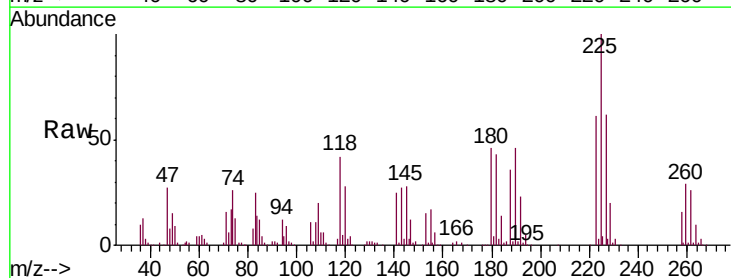


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

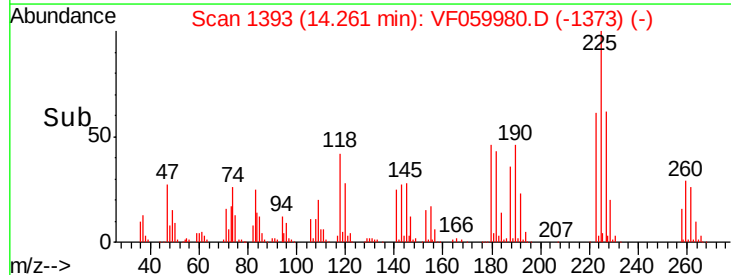
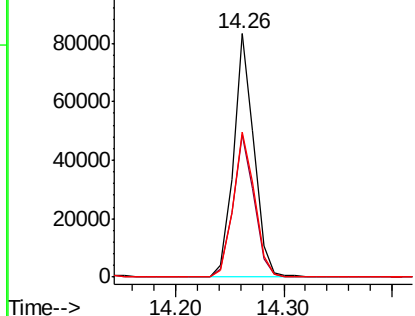


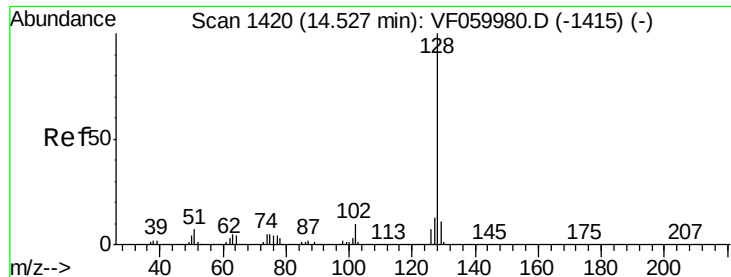
#94
 Hexachlorobutadiene
 Concen: 50.512 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. 0.00 min
 Lab File: VF059980.D
 Acq: 17 Aug 2018 18:32

Tgt Ion:225 Resp: 108977
 Ion Ratio Lower Upper
 225 100
 223 58.3 29.1 87.4
 227 59.7 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

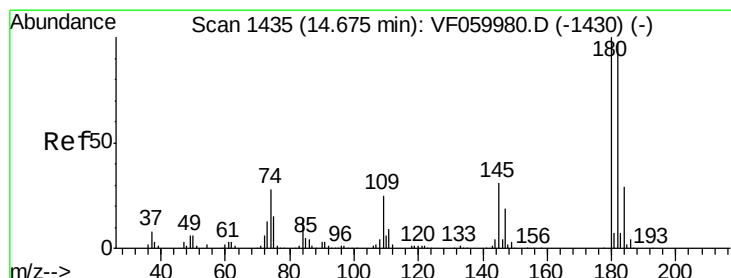
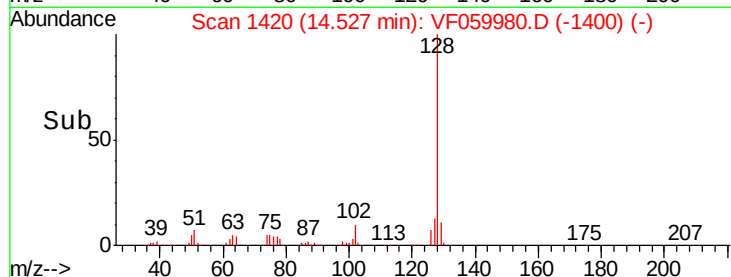
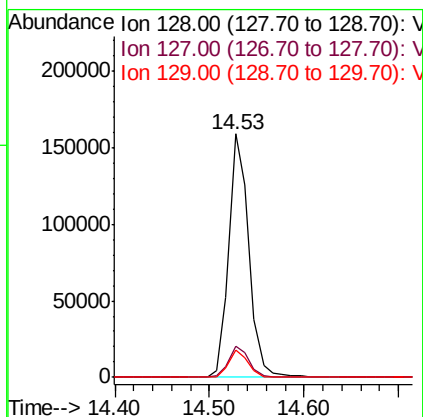
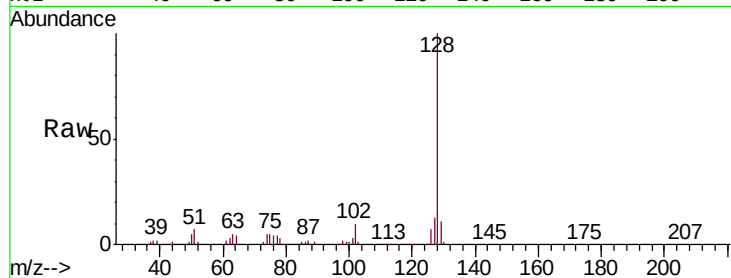




#95
Naphthalene
Concen: 49.189 ug/l
RT: 14.53 min Scan# 1420
Delta R.T. 0.00 min
Lab File: VF059980.D
Acq: 17 Aug 2018 18:32

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tgt Ion:128 Resp: 233744
Ion Ratio Lower Upper
128 100
127 12.7 10.2 15.2
129 11.2 9.0 13.4



#96
1,2,3-Trichlorobenzene
Concen: 50.635 ug/l
RT: 14.68 min Scan# 1435
Delta R.T. 0.00 min
Lab File: VF059980.D
Acq: 17 Aug 2018 18:32

Tgt Ion:180 Resp: 159823
Ion Ratio Lower Upper
180 100
182 97.0 48.5 145.5
145 31.4 15.7 47.1

