

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN040419\
 Data File : VN054942.D
 Acq On : 4 Apr 2019 12:24
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BFB

Quant Time: Apr 05 03:13:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N040419W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 05 02:23:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	485272	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	784450	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	684603	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	300686	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	299606	46.83	ug/l	0.00
Spiked Amount						
			Recovery	=	93.66%	
35) Dibromofluoromethane	7.59	113	239760	46.95	ug/l	0.00
Spiked Amount						
			Recovery	=	93.90%	
50) Toluene-d8	10.09	98	915650	47.26	ug/l	0.00
Spiked Amount						
			Recovery	=	94.52%	
62) 4-Bromofluorobenzene	12.40	95	306539	47.41	ug/l	0.00
Spiked Amount						
			Recovery	=	94.82%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	287806	49.599	ug/l	100
3) Chloromethane	2.06	50	377311	49.180	ug/l	98
4) Vinyl Chloride	2.19	62	319609	47.680	ug/l	98
5) Bromomethane	2.57	94	184527	48.225	ug/l	98
6) Chloroethane	2.71	64	171653	45.913	ug/l	96
7) Trichlorofluoromethane	3.02	101	382868	47.042	ug/l	99
8) Diethyl Ether	3.41	74	123227	47.539	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	197051	45.697	ug/l	98
10) Methyl Iodide	3.94	142	271544	44.674	ug/l	99
11) Tert butyl alcohol	4.82	59	84791	256.811	ug/l #	86
12) 1,1-Dichloroethene	3.73	96	195208	45.636	ug/l	96
13) Acrolein	3.61	56	129423	258.537	ug/l	98
14) Allyl chloride	4.32	41	484094	50.992	ug/l	97
15) Acrylonitrile	5.00	53	494573	249.794	ug/l	98
16) Acetone	3.82	43	414100	260.696	ug/l	99
17) Carbon Disulfide	4.04	76	675810	49.633	ug/l	99
18) Methyl Acetate	4.33	43	211862	50.724	ug/l	100
19) Methyl tert-butyl Ether	5.06	73	688677	49.636	ug/l	98
20) Methylene Chloride	4.55	84	277565	46.742	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	256694	48.049	ug/l	95
22) Diisopropyl ether	5.96	45	959502	49.211	ug/l	100
23) Vinyl Acetate	5.90	43	3546104	261.369	ug/l	100
24) 1,1-Dichloroethane	5.85	63	511660	48.121	ug/l	100
25) 2-Butanone	6.84	43	630021	262.238	ug/l	99
26) 2,2-Dichloropropane	6.82	77	370703	49.734	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	296695	48.958	ug/l	98
28) Bromochloromethane	7.19	49	238006	47.781	ug/l	98
29) Tetrahydrofuran	7.22	42	396485	251.783	ug/l	100
30) Chloroform	7.37	83	484917	48.122	ug/l	99
31) Cyclohexane	7.65	56	487392	48.344	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	407996	47.980	ug/l	99
36) 1,1-Dichloropropene	7.79	75	374938	48.238	ug/l	100
37) Ethyl Acetate	6.94	43	272396	51.068	ug/l	99
38) Carbon Tetrachloride	7.77	117	354017	47.163	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	430490	50.344	ug/l	99
40) Benzene	8.04	78	1096183	49.012	ug/l	99
41) Methacrylonitrile	7.18	41	150720	49.417	ug/l	94
42) 1,2-Dichloroethane	8.12	62	377022	47.972	ug/l	99
43) Isopropyl Acetate	8.17	43	465149	51.743	ug/l	99
44) Trichloroethene	8.83	130	279124	48.809	ug/l	97
45) 1,2-Dichloropropane	9.12	63	307718	49.380	ug/l	99
46) Dibromomethane	9.21	93	175233	49.587	ug/l	98
47) Bromodichloromethane	9.40	83	368959	49.709	ug/l	98
48) Methyl methacrylate	9.20	41	240140	52.769	ug/l	100
49) 1,4-Dioxane	9.20	88	46717	1017.064	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	1302016	259.624	ug/l	100
52) Toluene	10.16	92	657337	49.862	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	367988	48.024	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	438438	52.483	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	237378	49.663	ug/l	98
56) Ethyl methacrylate	10.43	69	327705	52.438	ug/l	99
57) 1,3-Dichloropropane	10.71	76	416982	49.953	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	662805	239.208	ug/l	100
59) 2-Hexanone	10.75	43	844714	269.666	ug/l	100
60) Dibromochloromethane	10.90	129	257436	51.420	ug/l	99
61) 1,2-Dibromoethane	11.00	107	229084	50.974	ug/l	98
64) Tetrachloroethene	10.63	164	254363	46.068	ug/l	99
65) Chlorobenzene	11.43	112	682369	48.900	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	261720	51.227	ug/l	98
67) Ethyl Benzene	11.51	91	1250784	49.713	ug/l	98
68) m/p-Xylenes	11.62	106	925783	100.656	ug/l	99
69) o-Xylene	11.95	106	448600	50.004	ug/l	100
70) Styrene	11.96	104	744317	51.725	ug/l	99
71) Bromoform	12.13	173	159572	51.962	ug/l #	99
73) Isopropylbenzene	12.25	105	1199033	47.205	ug/l	100
74) N-amyl acetate	12.07	43	394342	55.854	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	288421	52.213	ug/l	97
76) 1,2,3-Trichloropropane	12.55	75	347115	77.011	ug/l #	100
77) Bromobenzene	12.53	156	292923	47.619	ug/l	97
78) n-propylbenzene	12.59	91	1354811	48.413	ug/l	100
79) 2-Chlorotoluene	12.67	91	812110	46.825	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	989644	47.441	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	71610	55.012	ug/l	96
82) 4-Chlorotoluene	12.77	91	805612	49.110	ug/l	99
83) tert-Butylbenzene	12.99	119	837873	47.217	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	981980	48.654	ug/l	100
85) sec-Butylbenzene	13.17	105	1097319	47.808	ug/l	100
86) p-Isopropyltoluene	13.29	119	972013	49.150	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	499159	48.782	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	481671	49.447	ug/l	99
89) n-Butylbenzene	13.61	91	822863	52.063	ug/l	100
90) Hexachloroethane	13.87	117	162890	49.033	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	487200	48.495	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	41602	47.848	ug/l	98

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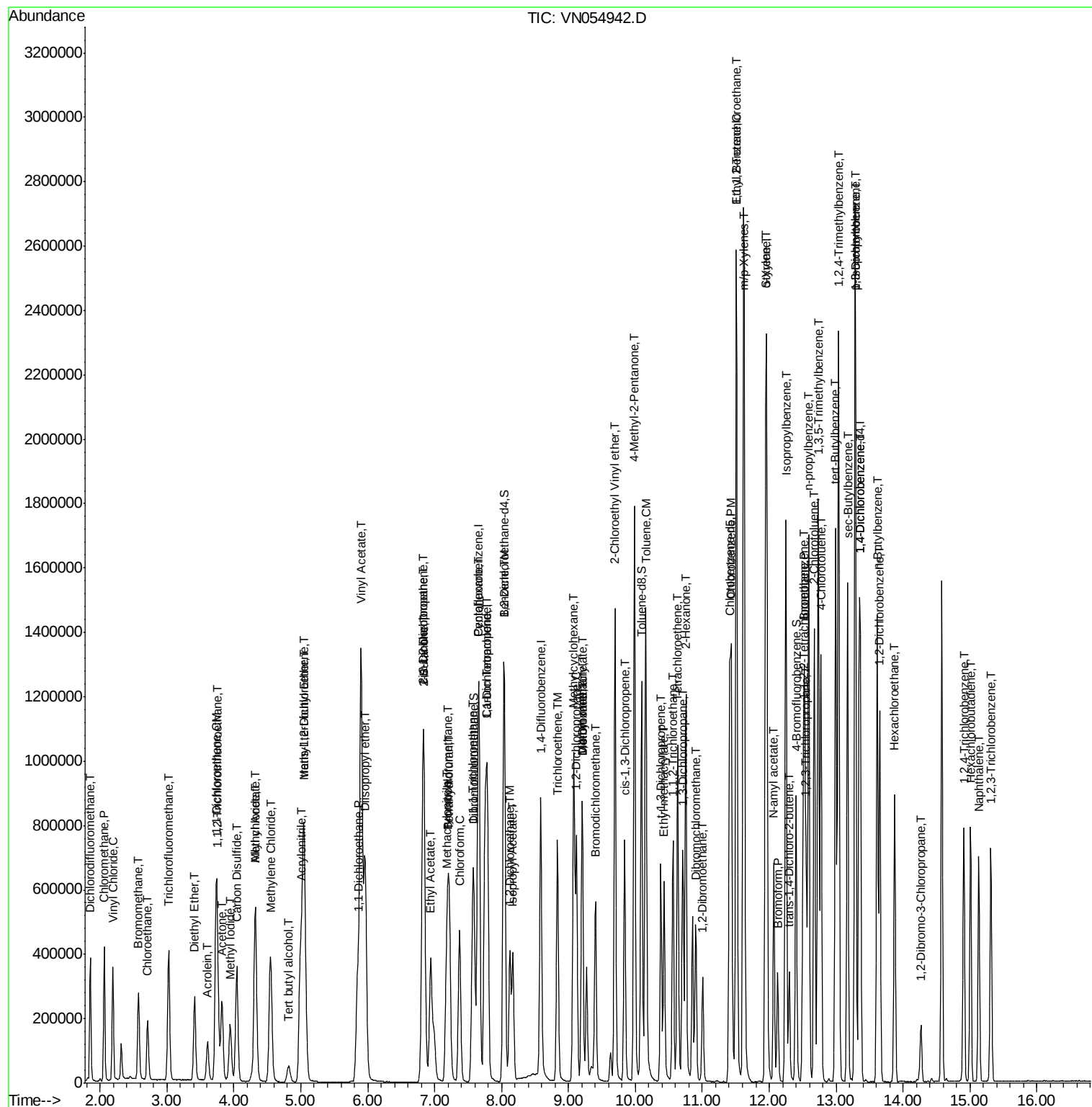
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	262156	49.962	ug/l	100
94) Hexachlorobutadiene	15.01	225	155877	46.378	ug/l	97
95) Naphthalene	15.13	128	584731	51.297	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	253094	54.860	ug/l	97

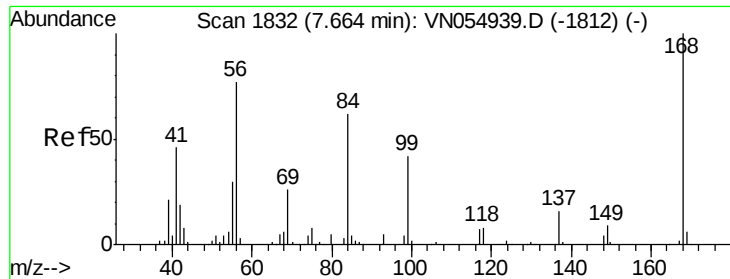
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN040419\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN054942.D

Acq: 4 Apr 2019 12:24

Instrument :

MSVOA_N

ClientSampleId :

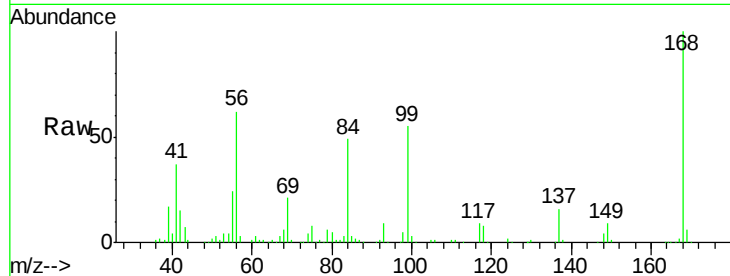
BFB

Tgt Ion:168 Resp: 485272

Ion Ratio Lower Upper

168 100

99 54.3 44.1 66.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

200000

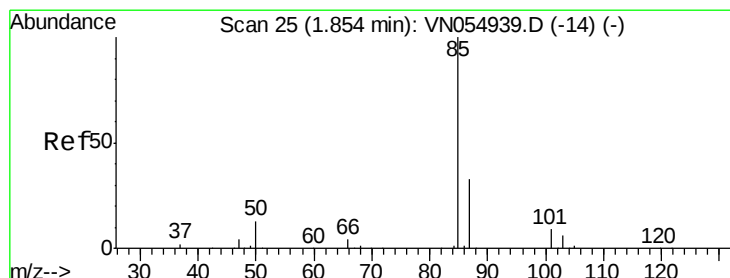
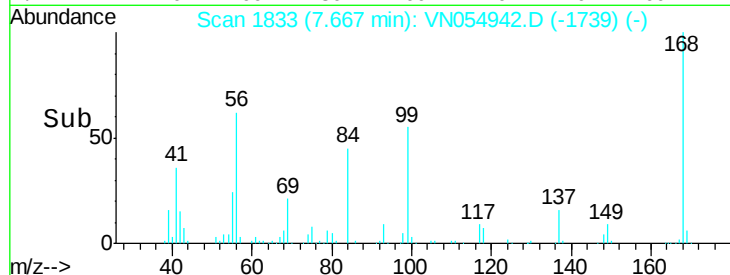
150000

100000

50000

0

Time--> 7.55 7.60 7.65 7.70 7.75



#2

Dichlorodifluoromethane

Concen: 49.599 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN054942.D

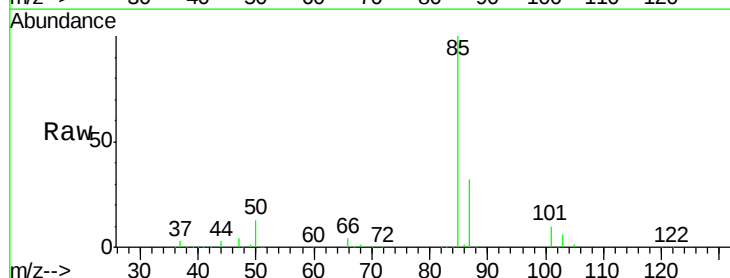
Acq: 4 Apr 2019 12:24

Tgt Ion: 85 Resp: 287806

Ion Ratio Lower Upper

85 100

87 32.4 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

250000

200000

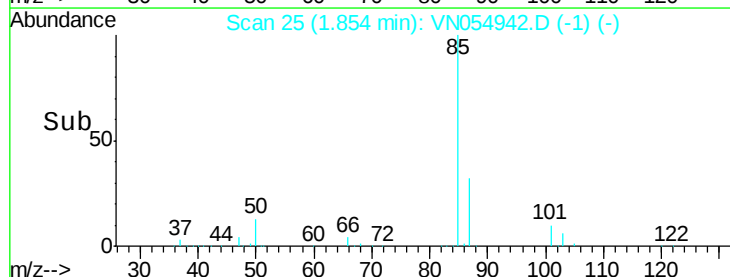
150000

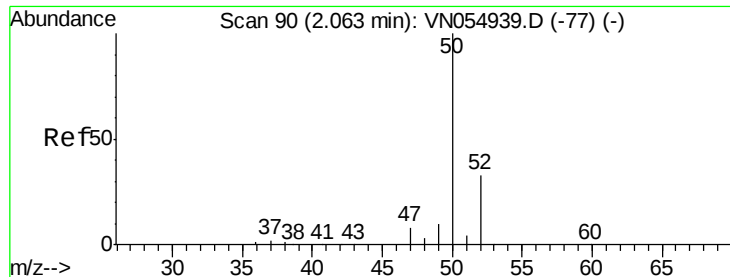
100000

50000

0

Time--> 1.80 1.85 1.90 1.95





#3

Chloromethane

Concen: 49.180 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN054942.D

Acq: 4 Apr 2019 12:24

Instrument :

MSVOA_N

ClientSampleId :

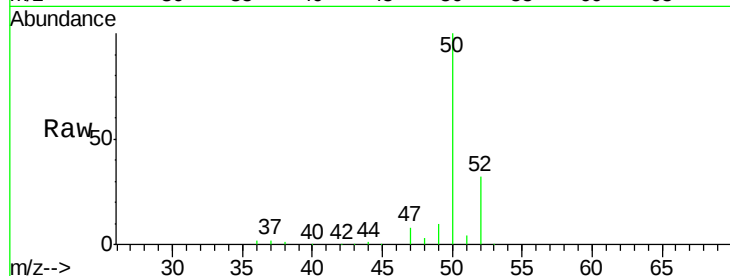
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Tgt Ion: 50 Resp: 377311

Ion Ratio Lower Upper

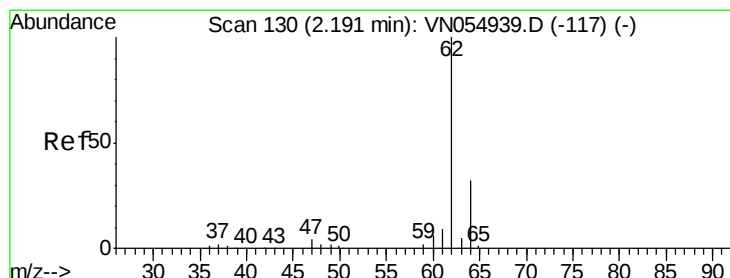
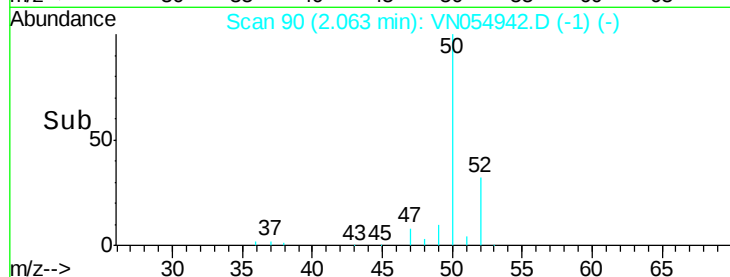
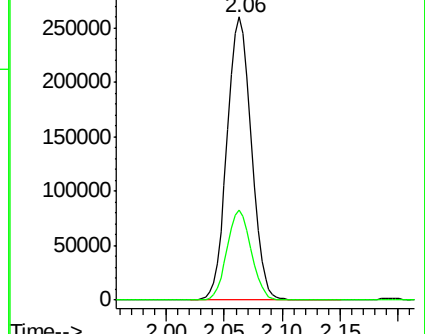
50 100

52 31.8 26.2 39.4



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 47.680 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN054942.D

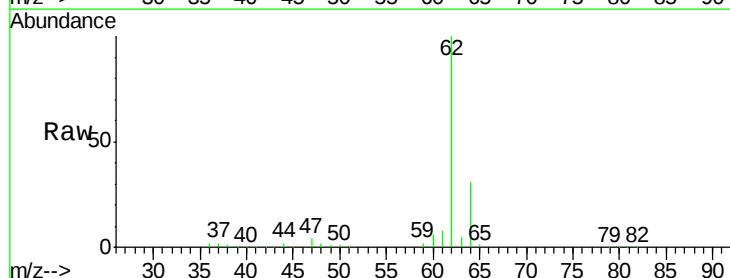
Acq: 4 Apr 2019 12:24

Tgt Ion: 62 Resp: 319609

Ion Ratio Lower Upper

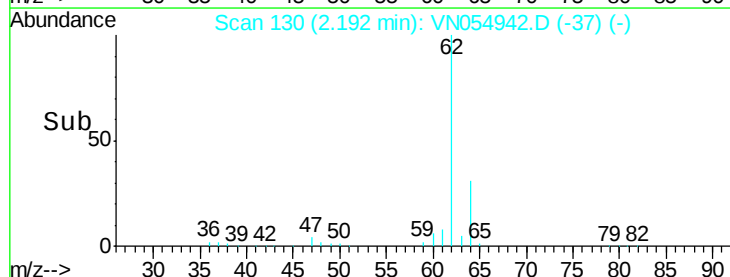
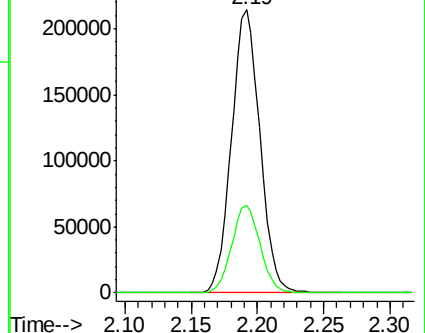
62 100

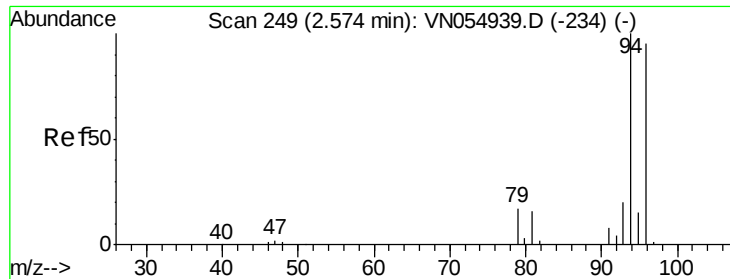
64 30.9 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

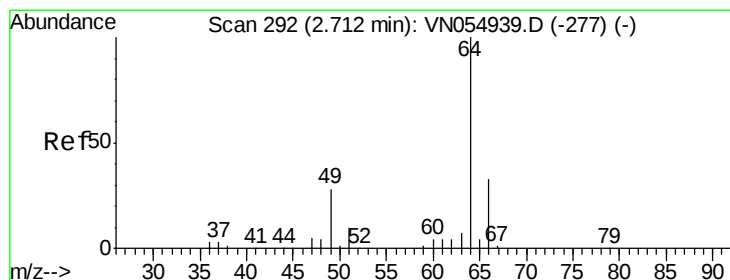
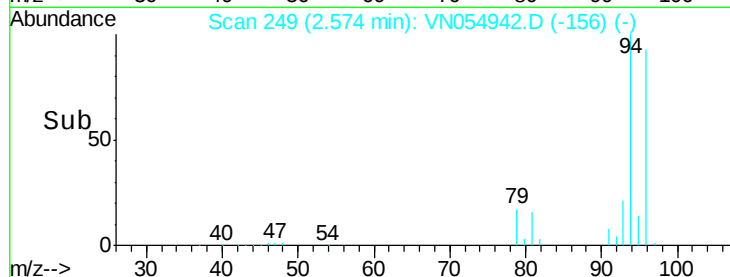
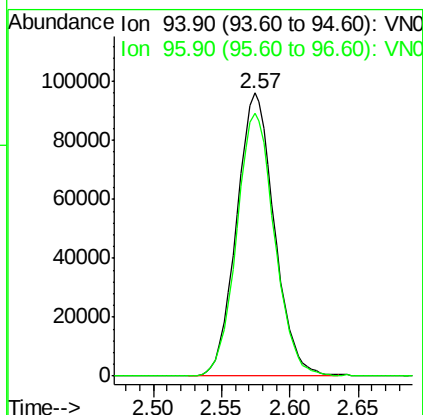
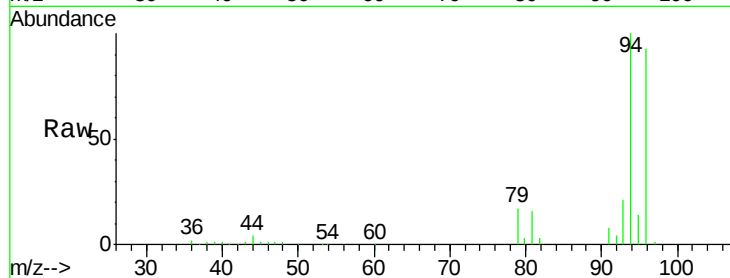




#5
Bromomethane
Concen: 48.225 ug/l
RT: 2.57 min Scan# 249
Delta R.T. 0.00 min
Lab File: VN054942.D
Acq: 4 Apr 2019 12:24

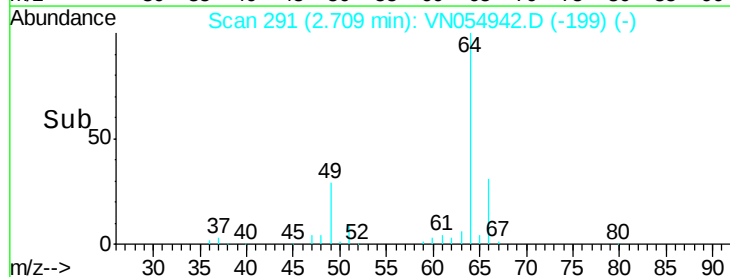
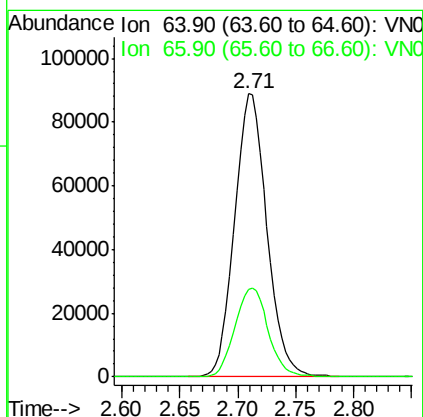
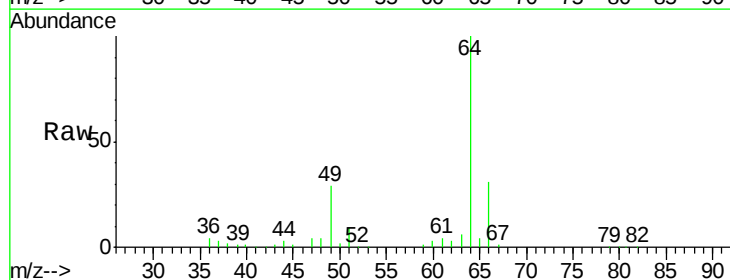
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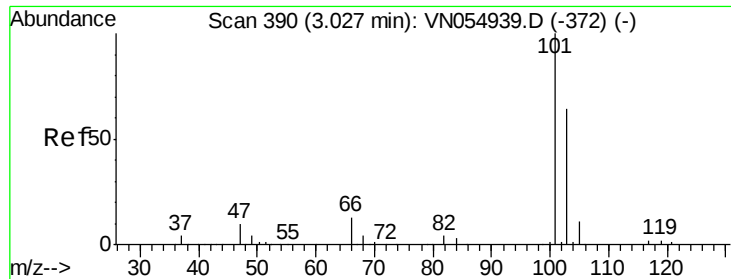
Tgt Ion: 94 Resp: 184527
Ion Ratio Lower Upper
94 100
96 92.9 75.7 113.5



#6
Chloroethane
Concen: 45.913 ug/l
RT: 2.71 min Scan# 291
Delta R.T. -0.00 min
Lab File: VN054942.D
Acq: 4 Apr 2019 12:24

Tgt Ion: 64 Resp: 171653
Ion Ratio Lower Upper
64 100
66 30.8 26.2 39.4



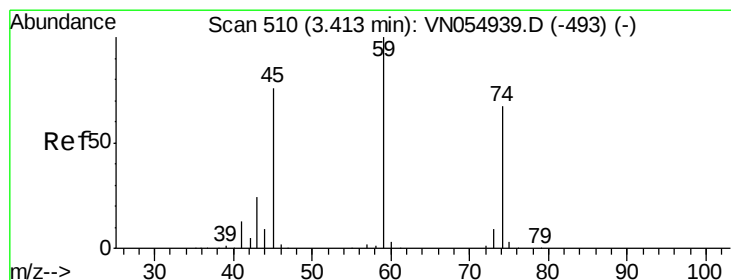
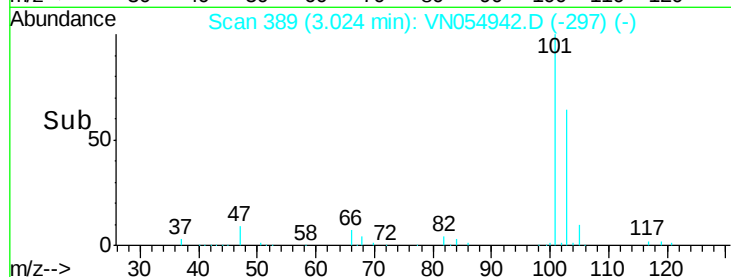
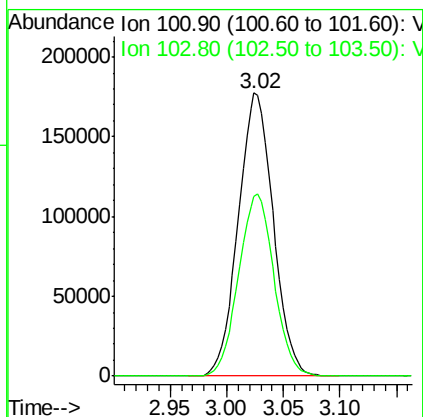
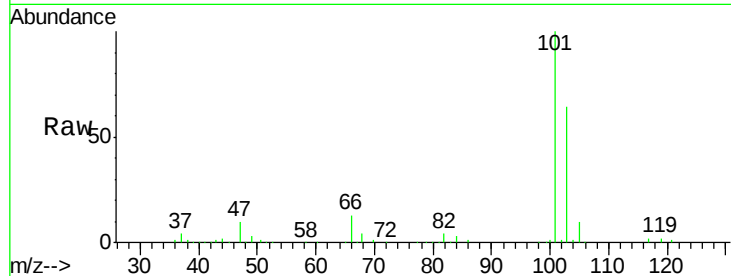


#7

Trichlorofluoromethane
Concen: 47.042 ug/l
RT: 3.02 min Scan# 389
Delta R.T. -0.00 min
Lab File: VN054942.D
Acq: 4 Apr 2019 12:24

Instrument :
MSVOA_N
ClientSampled :
BFB

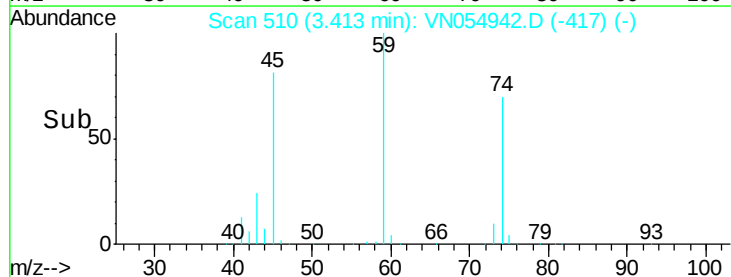
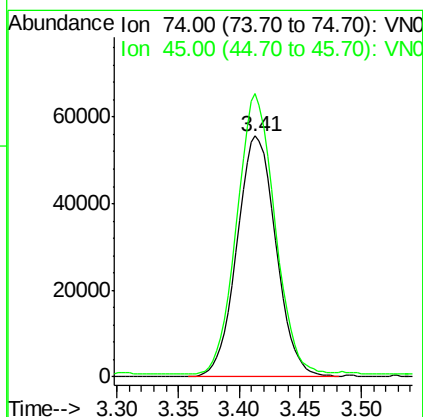
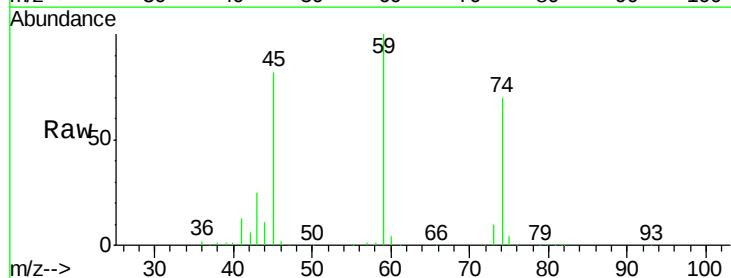
Tgt Ion:101 Resp: 382868
Ion Ratio Lower Upper
101 100
103 63.6 51.3 76.9

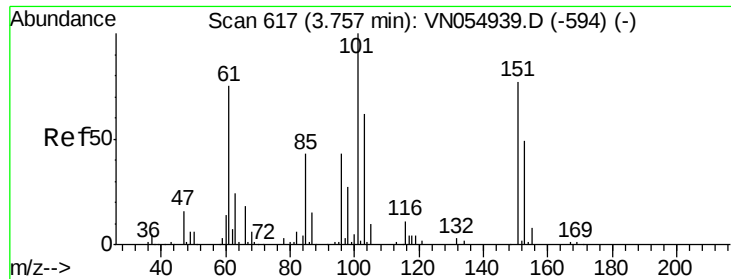


#8

Diethyl Ether
Concen: 47.539 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN054942.D
Acq: 4 Apr 2019 12:24

Tgt Ion: 74 Resp: 123227
Ion Ratio Lower Upper
74 100
45 113.5 56.3 168.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.697 ug/l

RT: 3.76 min Scan# 617

Delta R.T. 0.00 min

Lab File: VN054942.D

Acq: 4 Apr 2019 12:24

Instrument :

MSVOA_N

ClientSampled :

BFB

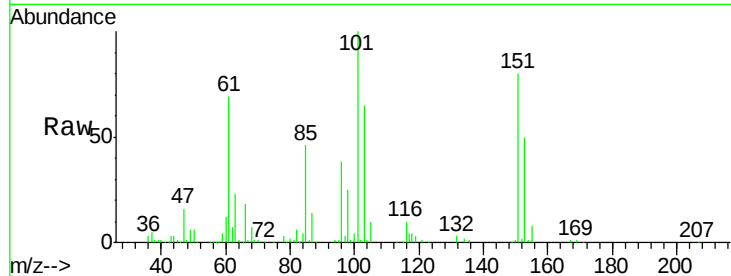
Tgt Ion:101 Resp: 197051

Ion Ratio Lower Upper

101 100

85 46.5 36.2 54.2

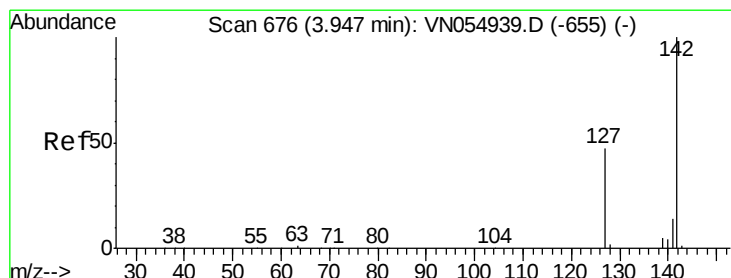
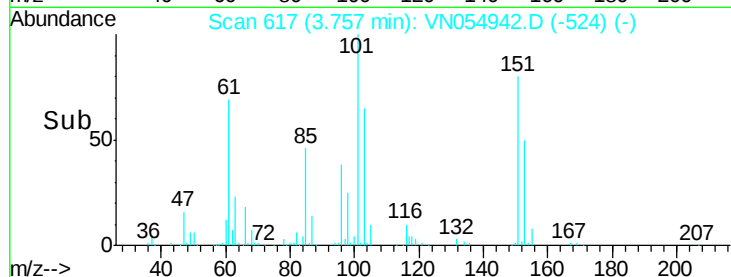
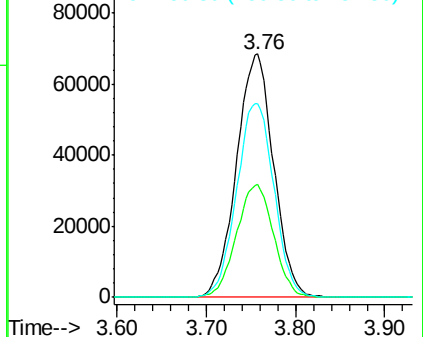
151 80.6 63.4 95.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 44.674 ug/l

RT: 3.94 min Scan# 675

Delta R.T. -0.00 min

Lab File: VN054942.D

Acq: 4 Apr 2019 12:24

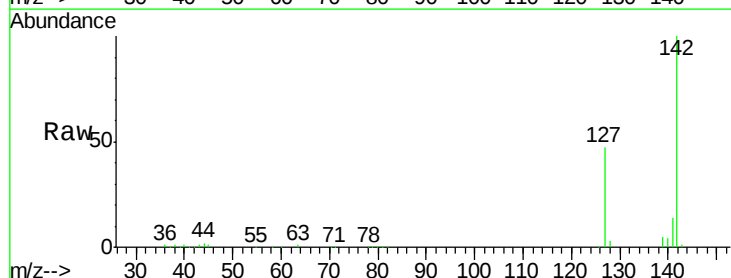
Tgt Ion:142 Resp: 271544

Ion Ratio Lower Upper

142 100

127 46.6 38.0 57.0

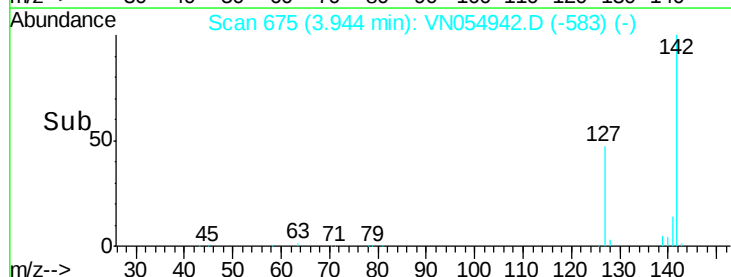
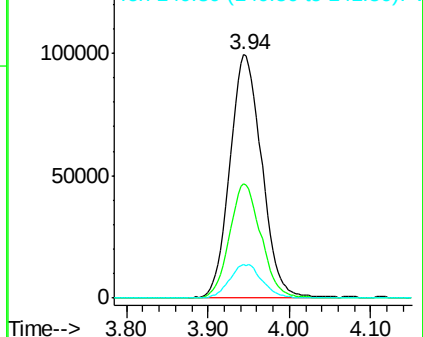
141 14.2 11.7 17.5

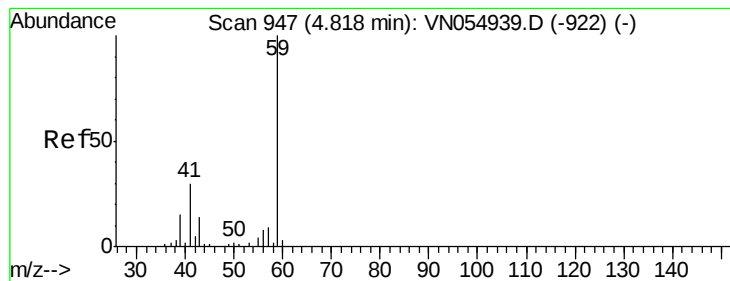


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



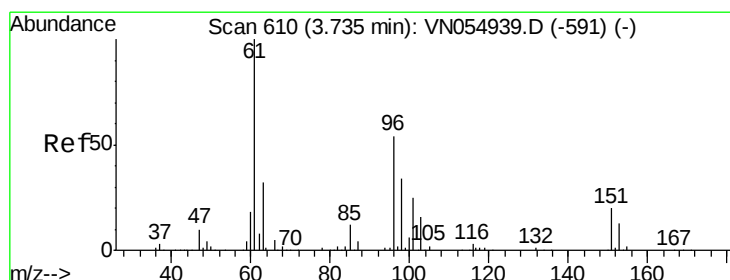
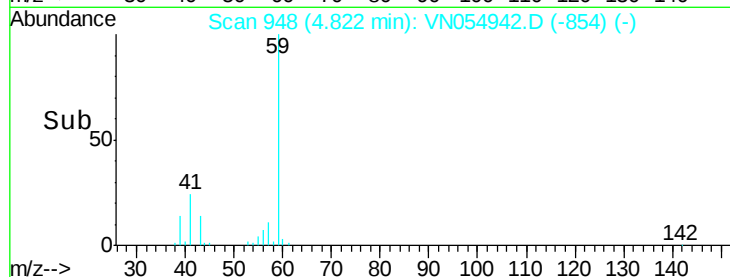
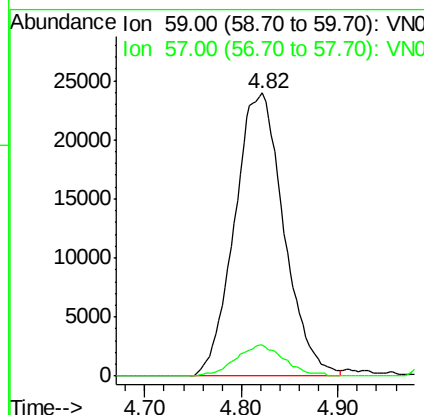
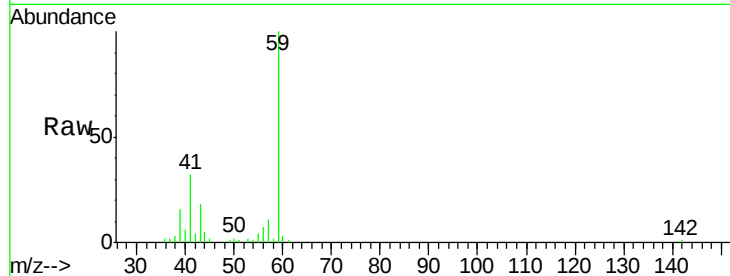


#11

Tert butyl alcohol
 Concen: 256.811 ug/l
 RT: 4.82 min Scan# 948
 Delta R.T. 0.00 min
 Lab File: VN054942.D
 Acq: 4 Apr 2019 12:24

Instrument :
 MSVOA_N
 ClientSampled :
 BFB

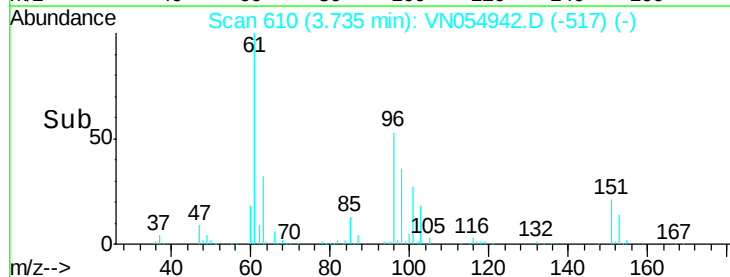
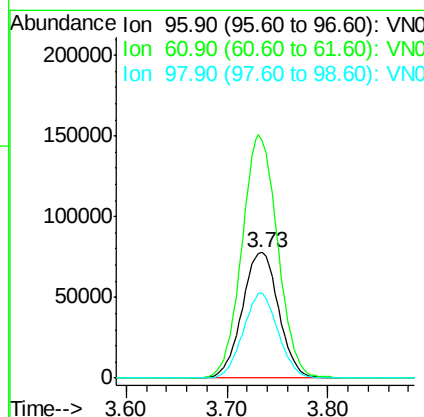
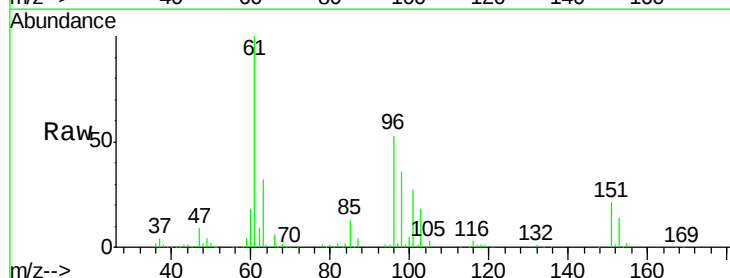
Tgt Ion: 59 Resp: 84791
 Ion Ratio Lower Upper
 59 100
 57 10.8 5.0 7.4#

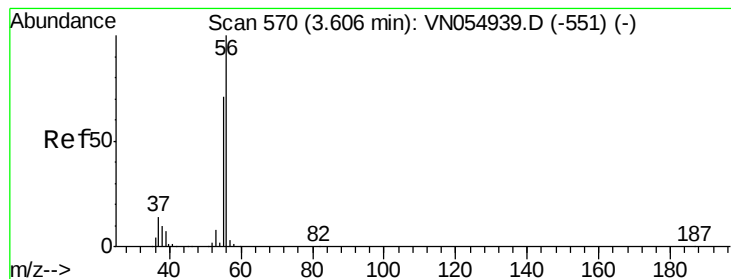


#12

1,1-Dichloroethene
 Concen: 45.636 ug/l
 RT: 3.73 min Scan# 610
 Delta R.T. 0.00 min
 Lab File: VN054942.D
 Acq: 4 Apr 2019 12:24

Tgt Ion: 96 Resp: 195208
 Ion Ratio Lower Upper
 96 100
 61 189.5 148.2 222.2
 98 67.6 50.2 75.4





#13

Acrolein

Concen: 258.537 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN054942.D

Acq: 4 Apr 2019 12:24

Instrument :

MSVOA_N

ClientSampled :

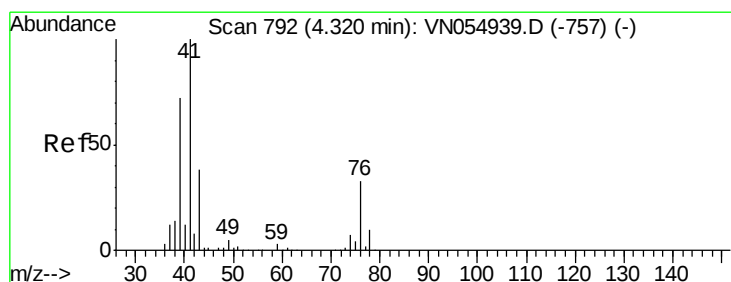
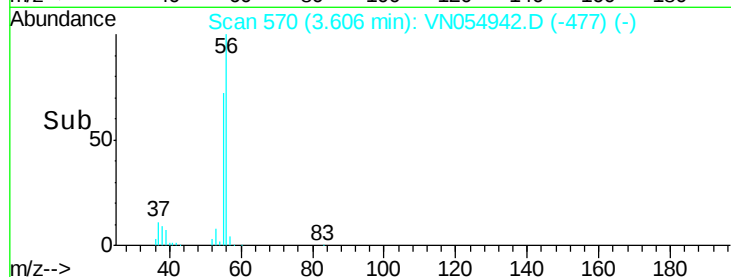
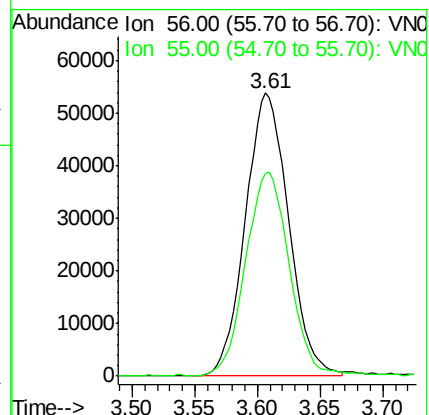
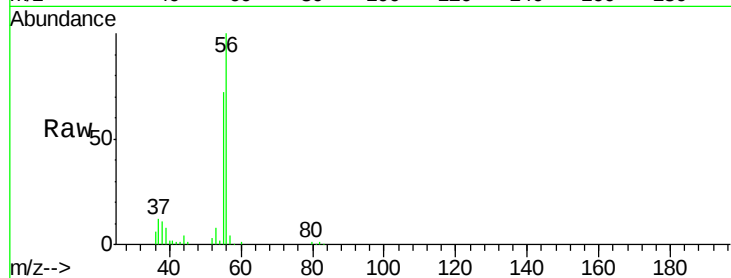
BFB

Tgt Ion: 56 Resp: 129423

Ion Ratio Lower Upper

56 100

55 71.8 58.6 87.8



#14

Allyl chloride

Concen: 50.992 ug/l

RT: 4.32 min Scan# 791

Delta R.T. -0.00 min

Lab File: VN054942.D

Acq: 4 Apr 2019 12:24

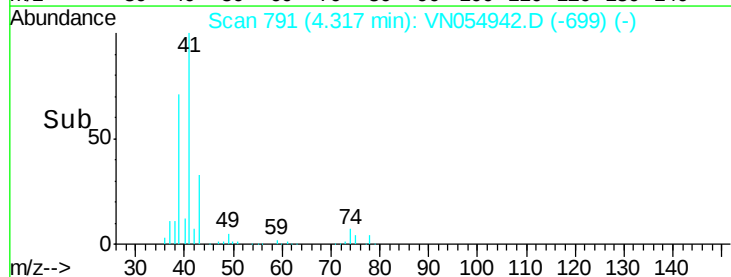
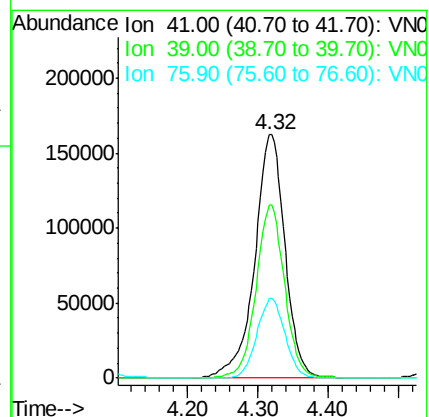
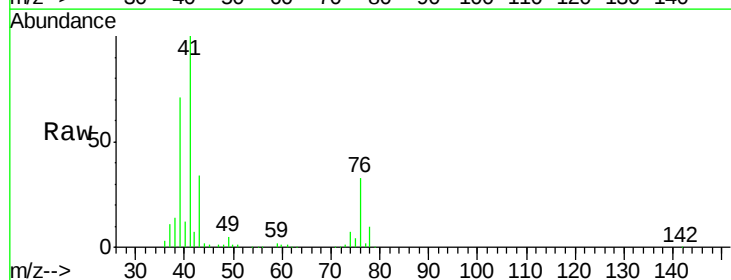
Tgt Ion: 41 Resp: 484094

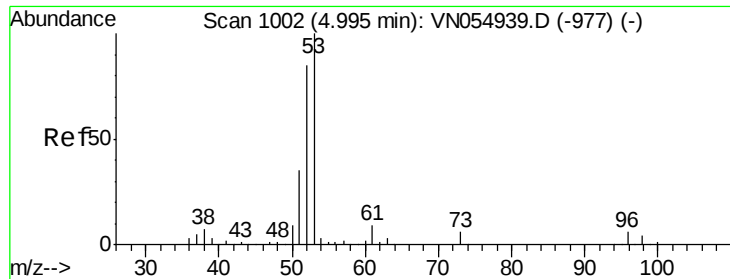
Ion Ratio Lower Upper

41 100

39 66.8 55.4 83.2

76 30.6 23.8 35.8

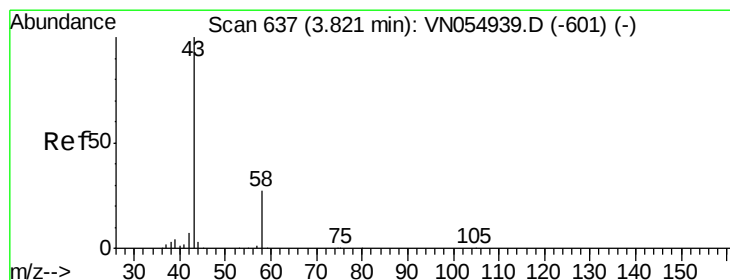
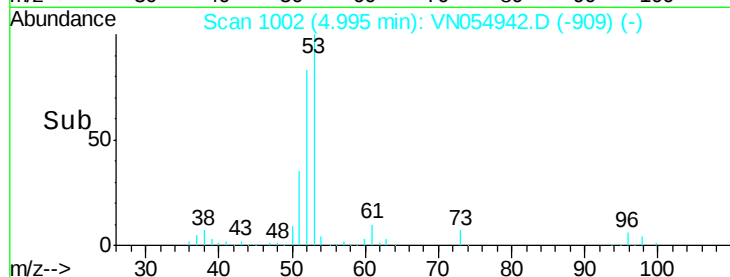
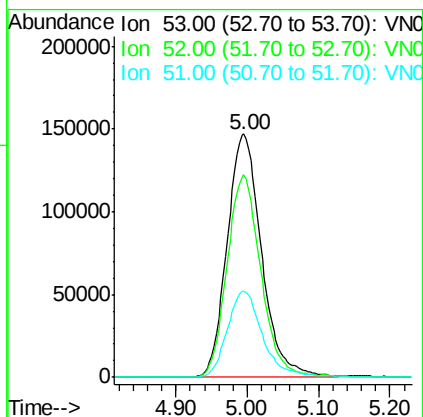
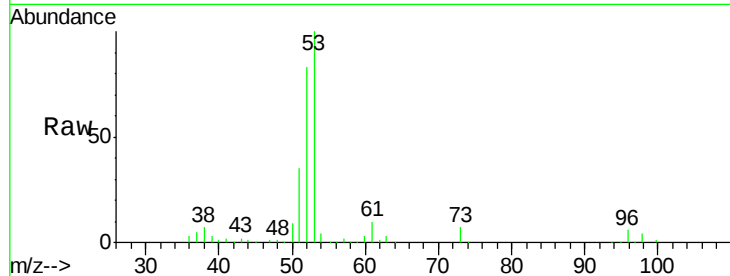




#15
 Acrylonitrile
 Concen: 249.794 ug/l
 RT: 5.00 min Scan# 1002
 Delta R.T. 0.00 min
 Lab File: VN054942.D
 Acq: 4 Apr 2019 12:24

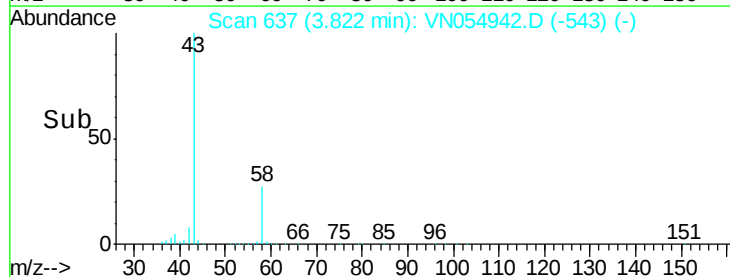
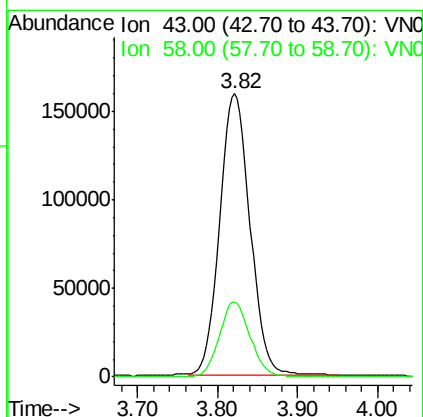
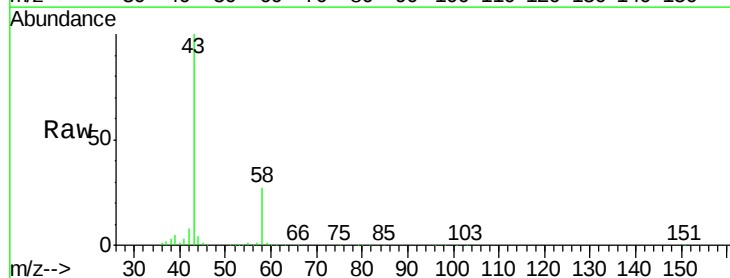
Instrument :
 MSVOA_N
 ClientSampleId :
 BFB

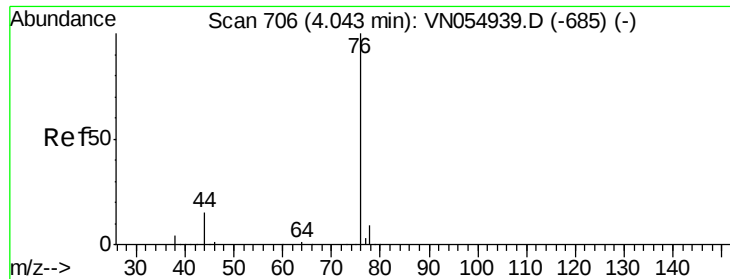
Tgt Ion: 53 Resp: 494573
 Ion Ratio Lower Upper
 53 100
 52 81.2 66.4 99.6
 51 36.2 29.5 44.3



#16
 Acetone
 Concen: 260.696 ug/l
 RT: 3.82 min Scan# 637
 Delta R.T. 0.00 min
 Lab File: VN054942.D
 Acq: 4 Apr 2019 12:24

Tgt Ion: 43 Resp: 414100
 Ion Ratio Lower Upper
 43 100
 58 26.6 21.7 32.5

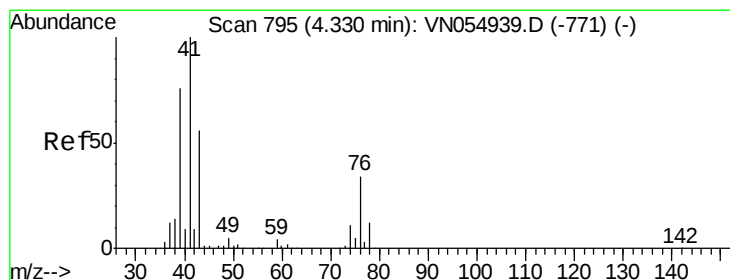
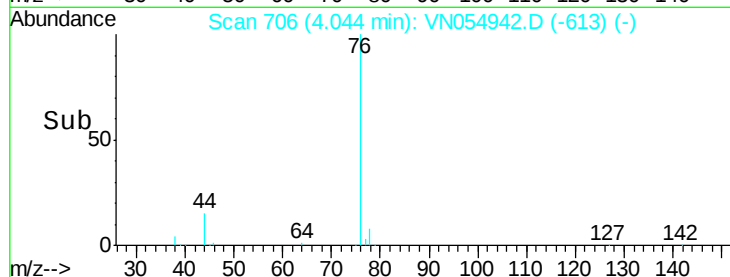
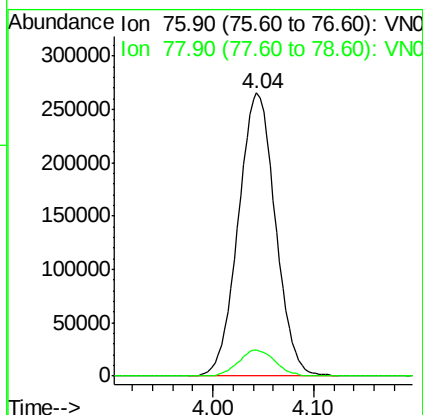
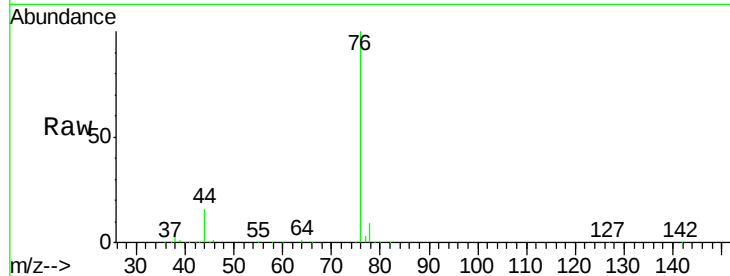




#17
Carbon Disulfide
Concen: 49.633 ug/l
RT: 4.04 min Scan# 706
Delta R.T. 0.00 min
Lab File: VN054942.D
Acq: 4 Apr 2019 12:24

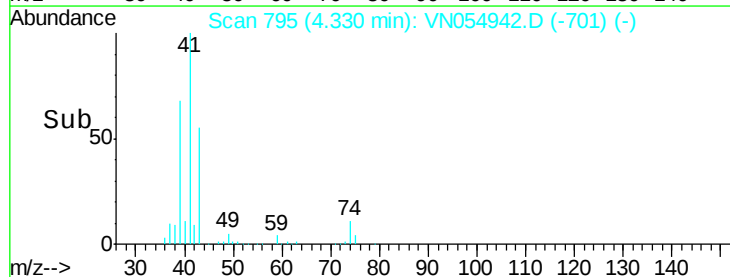
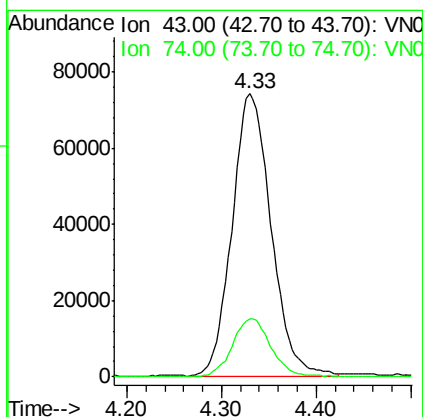
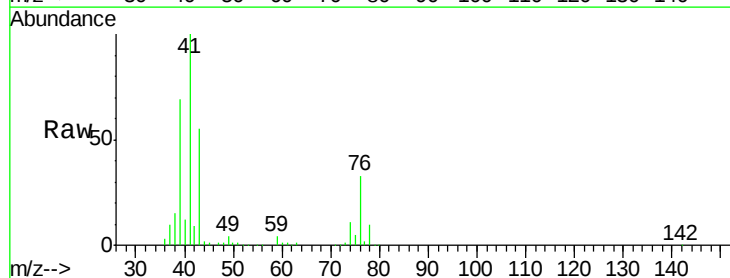
Instrument :
MSVOA_N
ClientSampled :
BFB

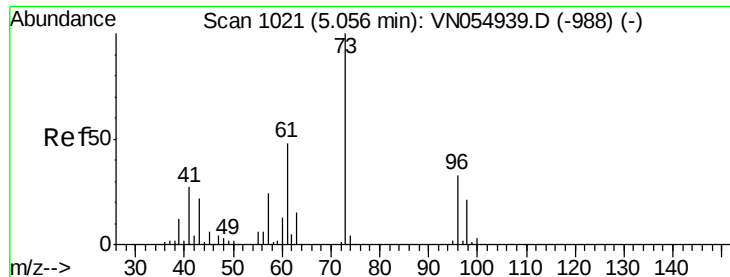
Tgt Ion: 76 Resp: 675810
Ion Ratio Lower Upper
76 100
78 9.1 7.1 10.7



#18
Methyl Acetate
Concen: 50.724 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN054942.D
Acq: 4 Apr 2019 12:24

Tgt Ion: 43 Resp: 211862
Ion Ratio Lower Upper
43 100
74 20.3 16.4 24.6

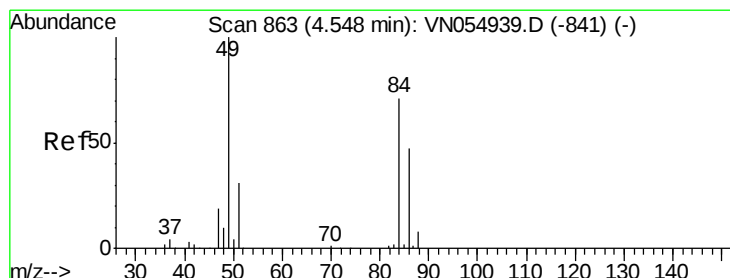
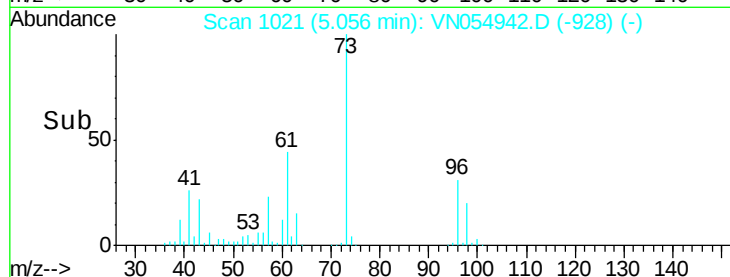
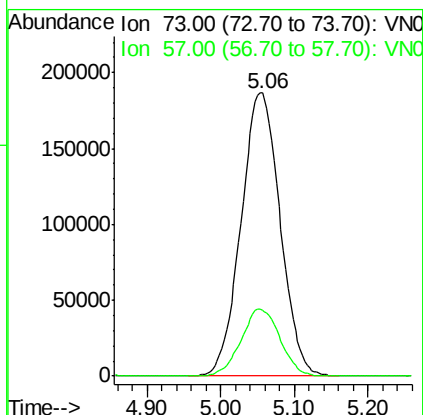
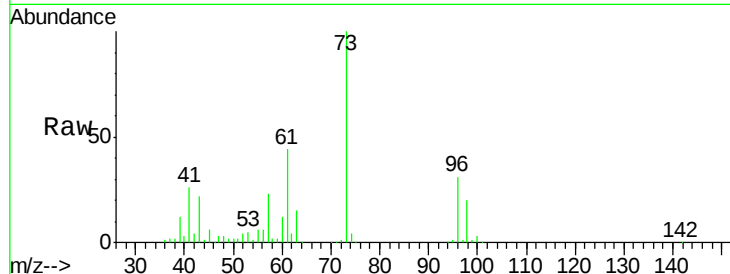




#19
Methyl tert-butyl Ether
Concen: 49.636 ug/l
RT: 5.06 min Scan# 1021
Delta R.T. 0.00 min
Lab File: VN054942.D
Acq: 4 Apr 2019 12:24

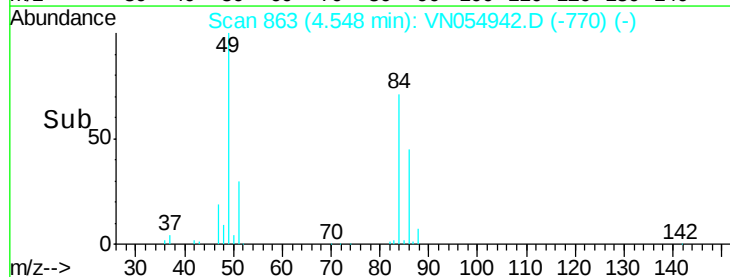
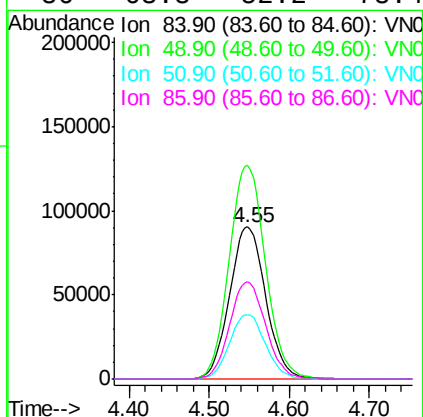
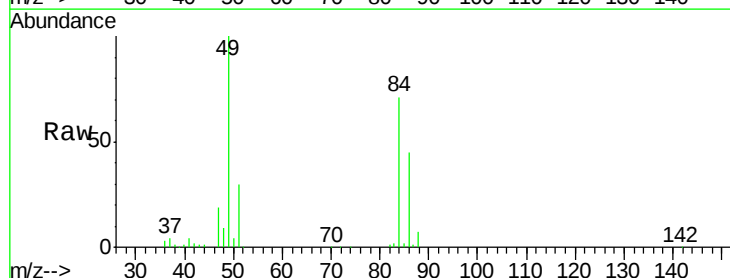
Instrument :
MSVOA_N
ClientSampled :
BFB

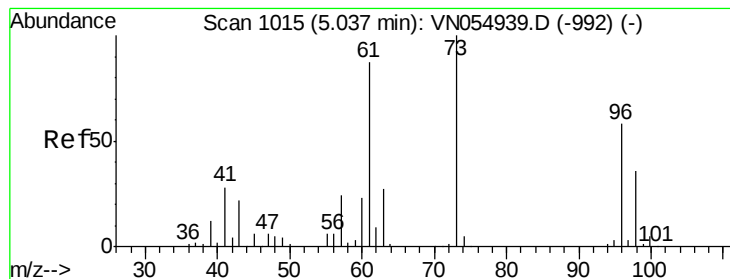
Tgt Ion: 73 Resp: 688677
Ion Ratio Lower Upper
73 100
57 23.2 19.5 29.3



#20
Methylene Chloride
Concen: 46.742 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN054942.D
Acq: 4 Apr 2019 12:24

Tgt Ion: 84 Resp: 277565
Ion Ratio Lower Upper
84 100
49 140.3 112.1 168.1
51 42.3 34.5 51.7
86 63.8 52.2 78.4





#21

trans-1,2-Dichloroethene

Concen: 48.049 ug/l

RT: 5.04 min Scan# 1015

Delta R.T. 0.00 min

Lab File: VN054942.D

Acq: 4 Apr 2019 12:24

Instrument :

MSVOA_N

ClientSampleId :

BFB

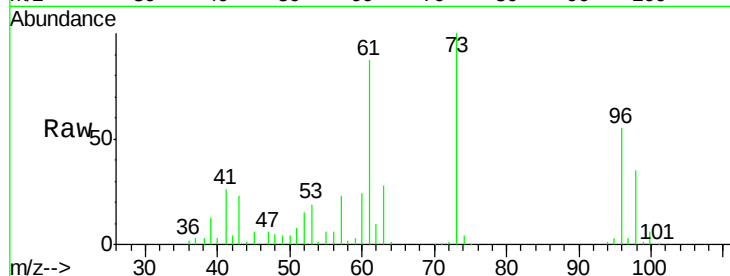
Tgt Ion: 96 Resp: 256694

Ion Ratio Lower Upper

96 100

61 157.4 120.1 180.1

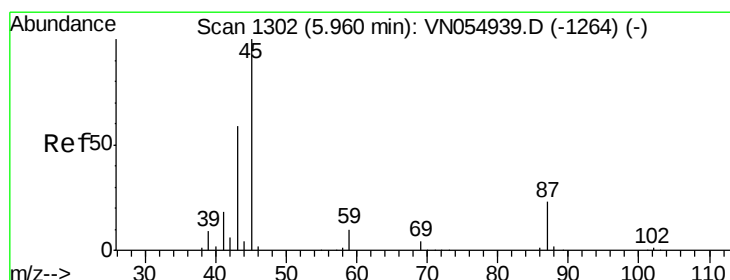
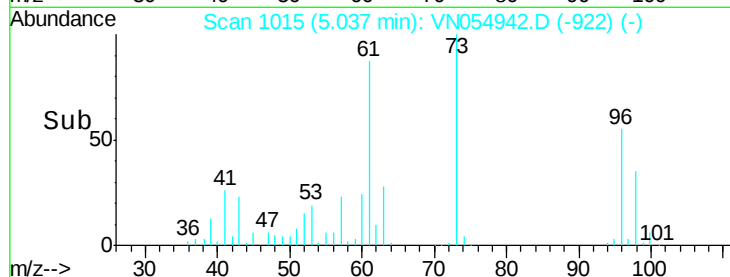
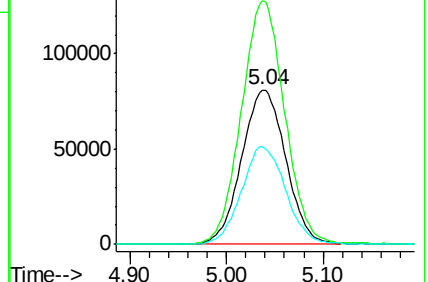
98 63.0 49.3 73.9



Abundance Ion 95.90 (95.60 to 96.60): VN054939.D (-992) (-)

Ion 60.90 (60.60 to 61.60): VN054939.D (-992) (-)

Ion 97.90 (97.60 to 98.60): VN054939.D (-992) (-)



#22

Diisopropyl ether

Concen: 49.211 ug/l

RT: 5.96 min Scan# 1302

Delta R.T. 0.00 min

Lab File: VN054942.D

Acq: 4 Apr 2019 12:24

Tgt Ion: 45 Resp: 959502

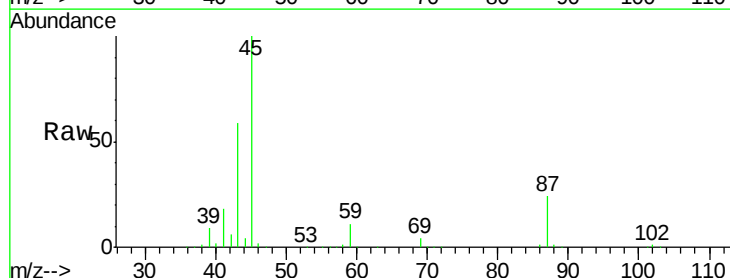
Ion Ratio Lower Upper

45 100

43 58.6 46.9 70.3

87 24.1 18.6 28.0

59 10.8 8.5 12.7

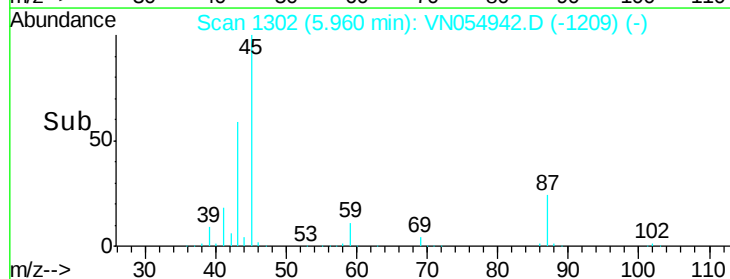
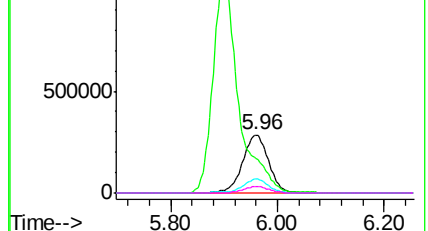


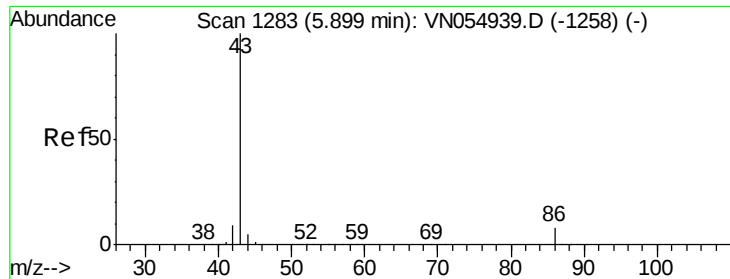
Abundance Ion 45.00 (44.70 to 45.70): VN054939.D (-1264) (-)

Ion 43.00 (42.70 to 43.70): VN054939.D (-1264) (-)

Ion 87.00 (86.70 to 87.70): VN054939.D (-1264) (-)

Ion 59.00 (58.70 to 59.70): VN054939.D (-1264) (-)





#23

Vinyl Acetate

Concen: 261.369 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN054942.D

Acq: 4 Apr 2019 12:24

Instrument :

MSVOA_N

ClientSampled :

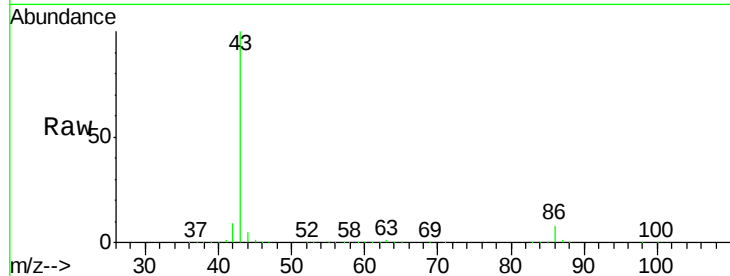
BFB

Tgt Ion: 43 Resp: 3546104

Ion Ratio Lower Upper

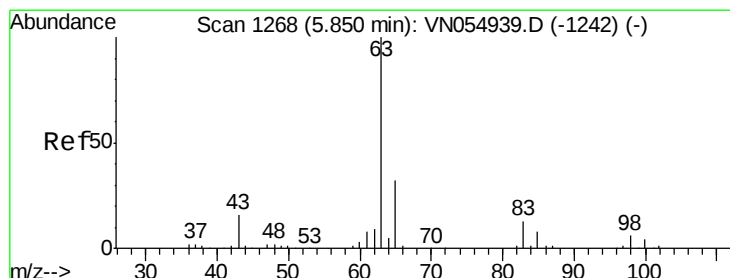
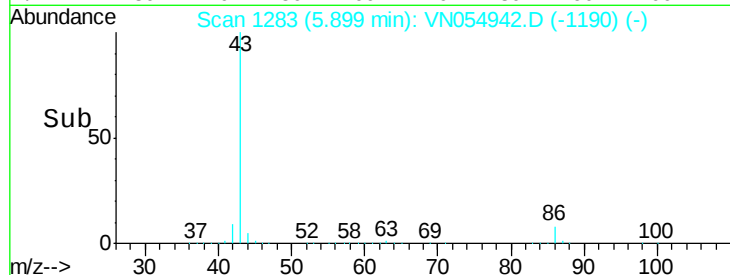
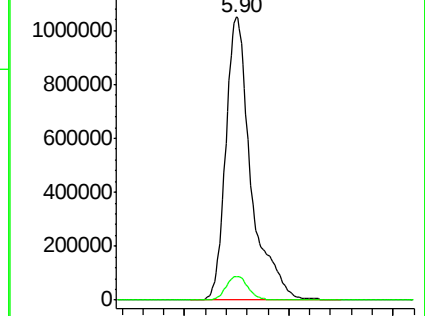
43 100

86 8.5 6.7 10.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 48.121 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. -0.00 min

Lab File: VN054942.D

Acq: 4 Apr 2019 12:24

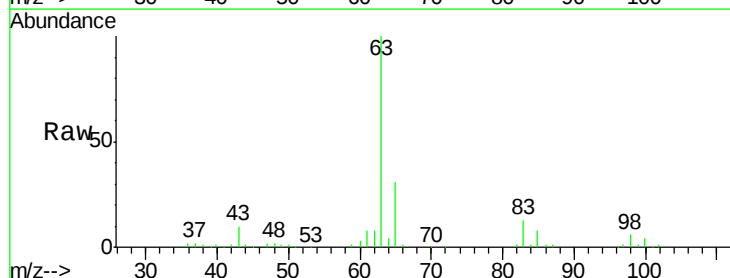
Tgt Ion: 63 Resp: 511660

Ion Ratio Lower Upper

63 100

98 5.9 2.9 8.7

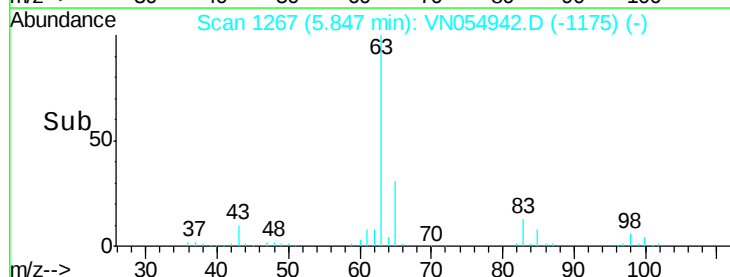
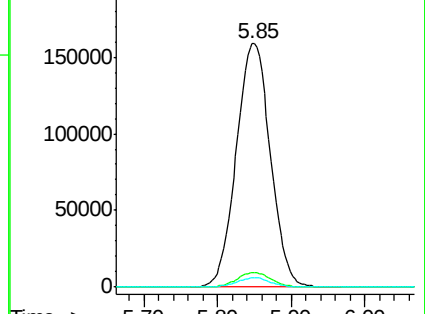
100 4.0 2.1 6.2

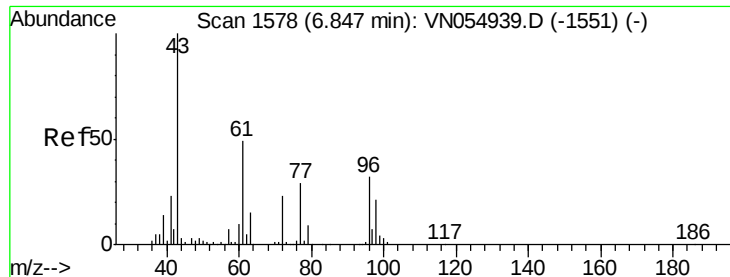


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

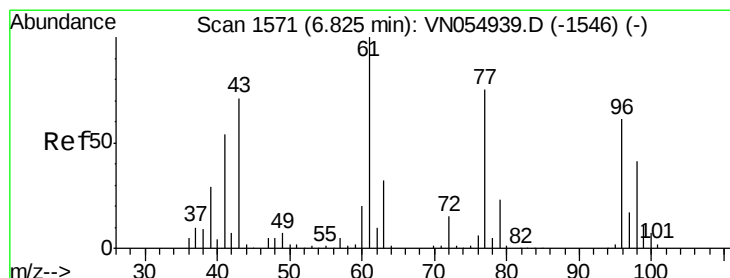
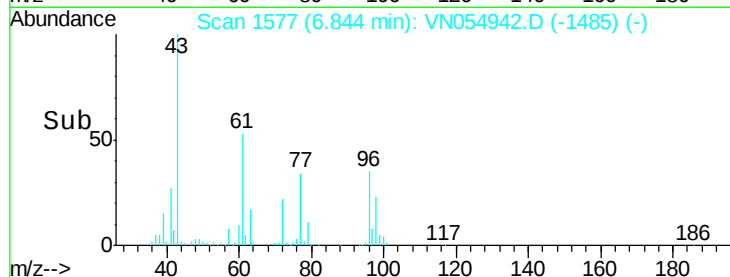
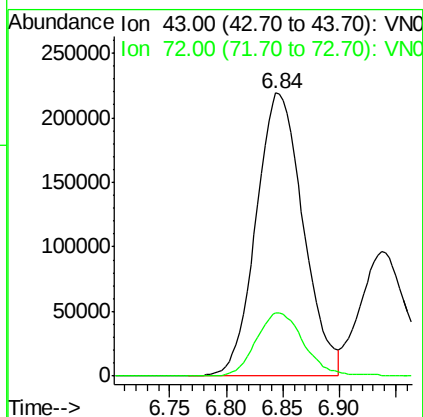
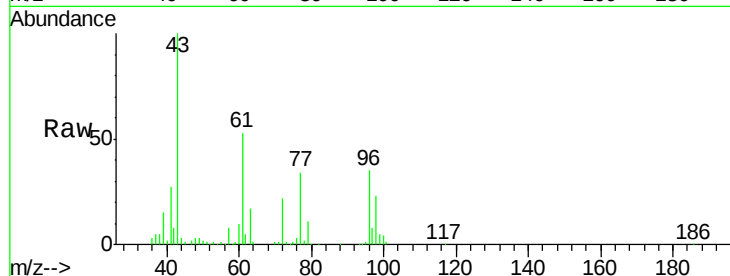




#25
2-Butanone
Concen: 262.238 ug/l
RT: 6.84 min Scan# 1577
Delta R.T. -0.00 min
Lab File: VN054942.D
Acq: 4 Apr 2019 12:24

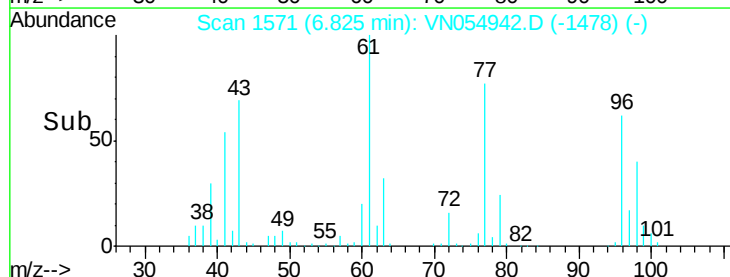
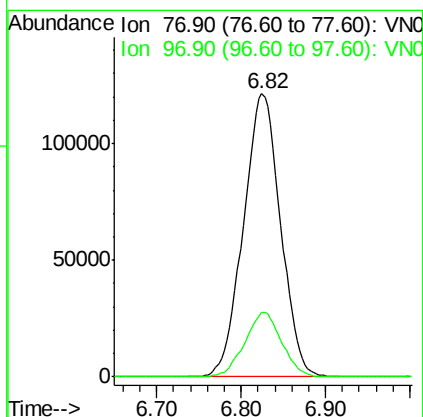
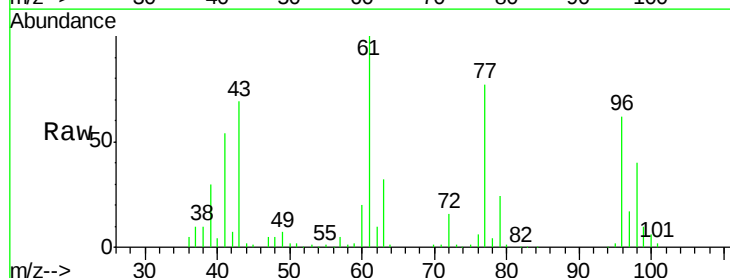
Instrument :
MSVOA_N
ClientSampled :
BFB

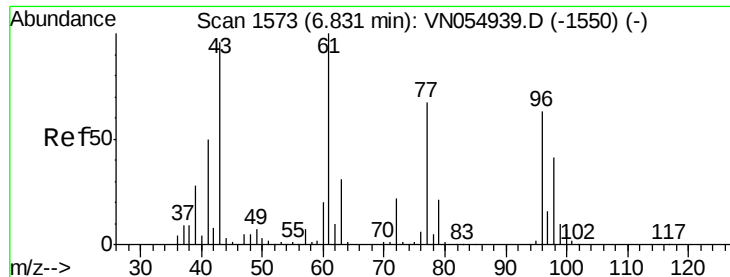
Tgt Ion: 43 Resp: 630021
Ion Ratio Lower Upper
43 100
72 22.4 18.3 27.5



#26
2,2-Dichloropropane
Concen: 49.734 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. 0.00 min
Lab File: VN054942.D
Acq: 4 Apr 2019 12:24

Tgt Ion: 77 Resp: 370703
Ion Ratio Lower Upper
77 100
97 22.6 11.6 34.8





#27

cis-1,2-Dichloroethene

Concen: 48.958 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN054942.D

Acq: 4 Apr 2019 12:24

Instrument :

MSVOA_N

ClientSampleId :

BFB

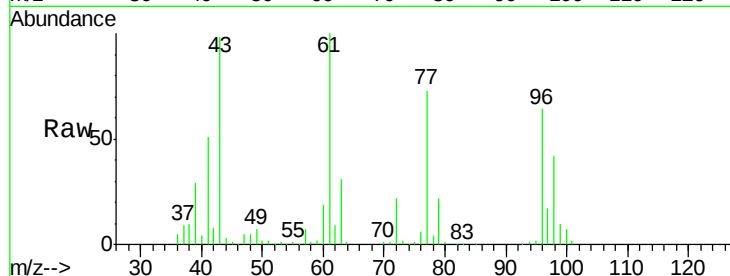
Tgt Ion: 96 Resp: 296695

Ion Ratio Lower Upper

96 100

61 155.4 0.0 316.2

98 64.0 0.0 129.6

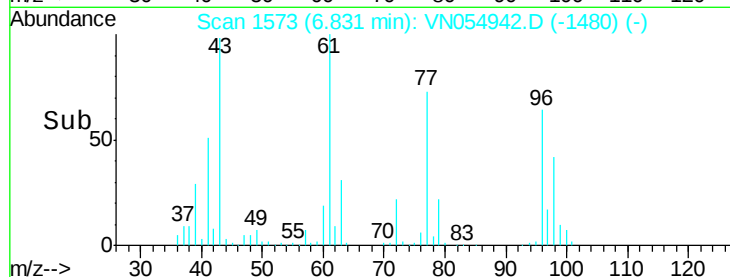


Abundance Ion 95.90 (95.60 to 96.60): VN054939.D (-1550) (-)

Ion 60.90 (60.60 to 61.60): VN054939.D (-1550) (-)

Ion 97.90 (97.60 to 98.60): VN054939.D (-1550) (-)

Time-->

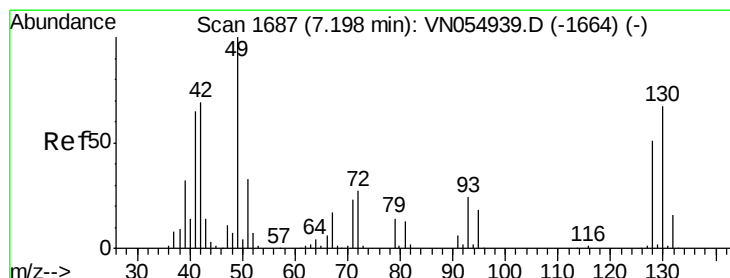


Abundance Ion 95.90 (95.60 to 96.60): VN054942.D (-1480) (-)

Ion 60.90 (60.60 to 61.60): VN054942.D (-1480) (-)

Ion 97.90 (97.60 to 98.60): VN054942.D (-1480) (-)

Time-->



#28

Bromochloromethane

Concen: 47.781 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN054942.D

Acq: 4 Apr 2019 12:24

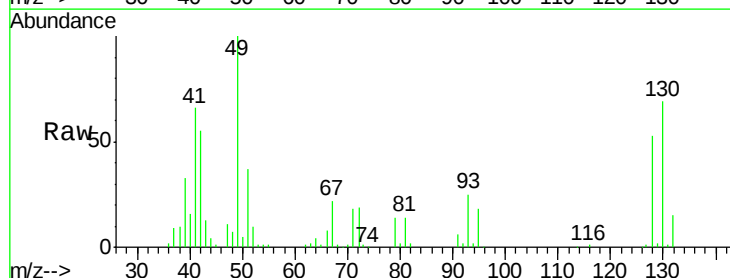
Tgt Ion: 49 Resp: 238006

Ion Ratio Lower Upper

49 100

129 1.9 0.0 3.8

130 68.4 53.1 79.7

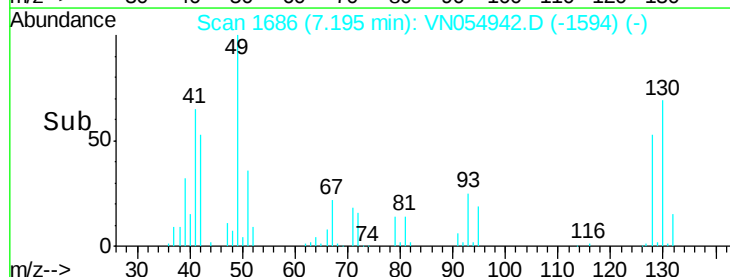


Abundance Ion 48.90 (48.60 to 49.60): VN054939.D (-1664) (-)

Ion 128.80 (128.50 to 129.50): VN054939.D (-1664) (-)

Ion 129.80 (129.50 to 130.50): VN054939.D (-1664) (-)

Time-->

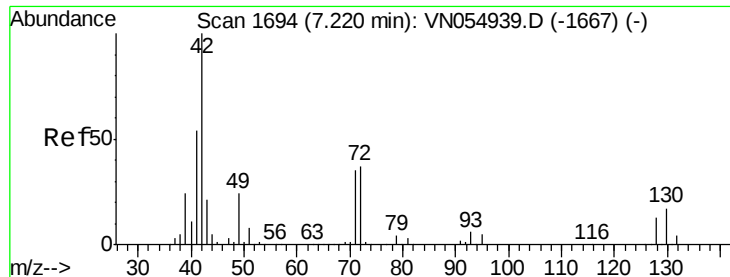


Abundance Ion 48.90 (48.60 to 49.60): VN054942.D (-1594) (-)

Ion 128.80 (128.50 to 129.50): VN054942.D (-1594) (-)

Ion 129.80 (129.50 to 130.50): VN054942.D (-1594) (-)

Time-->



#29

Tetrahydrofuran

Concen: 251.783 ug/l

RT: 7.22 min Scan# 1694

Delta R.T. 0.00 min

Lab File: VN054942.D

Acq: 4 Apr 2019 12:24

Instrument :

MSVOA_N

ClientSampled :

BFB

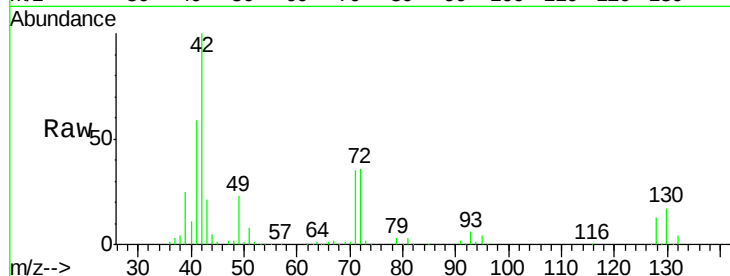
Tgt Ion: 42 Resp: 396485

Ion Ratio Lower Upper

42 100

72 36.5 29.3 43.9

71 34.7 27.8 41.6



Abundance Ion 42.00 (41.70 to 42.70): VN054939.D (-1667) (-)

Ion 72.00 (71.70 to 72.70): VN054939.D (-1667) (-)

Ion 71.00 (70.70 to 71.70): VN054939.D (-1667) (-)

7.22

150000

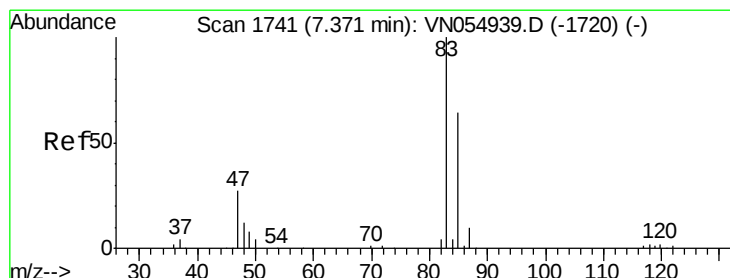
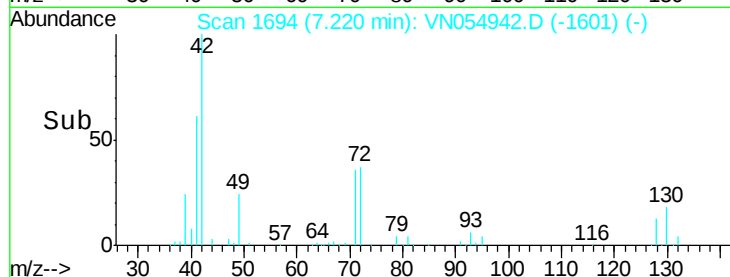
100000

50000

0

7.10 7.20 7.30 7.40

Time-->



#30

Chloroform

Concen: 48.122 ug/l

RT: 7.37 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VN054942.D

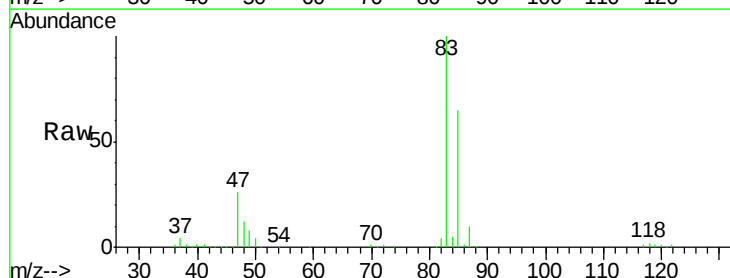
Acq: 4 Apr 2019 12:24

Tgt Ion: 83 Resp: 484917

Ion Ratio Lower Upper

83 100

85 65.1 51.4 77.0



Abundance Ion 82.90 (82.60 to 83.60): VN054939.D (-1720) (-)

Ion 84.90 (84.60 to 85.60): VN054939.D (-1720) (-)

7.37

200000

150000

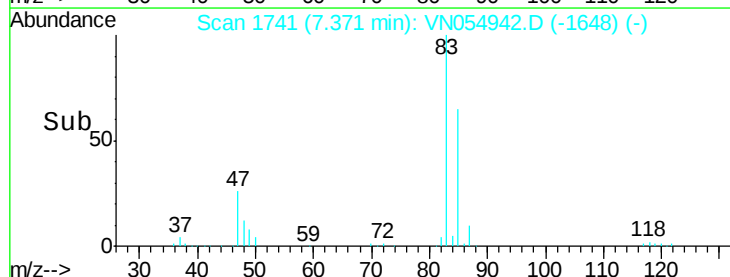
100000

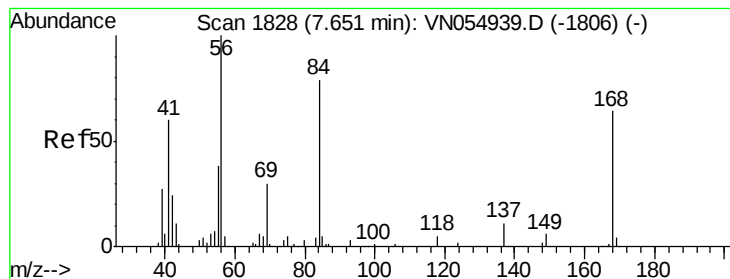
50000

0

7.30 7.40 7.50

Time-->





#31

Cyclohexane

Concen: 48.344 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN054942.D

Acq: 4 Apr 2019 12:24

Instrument :
MSVOA_N
ClientSampled :
BFB

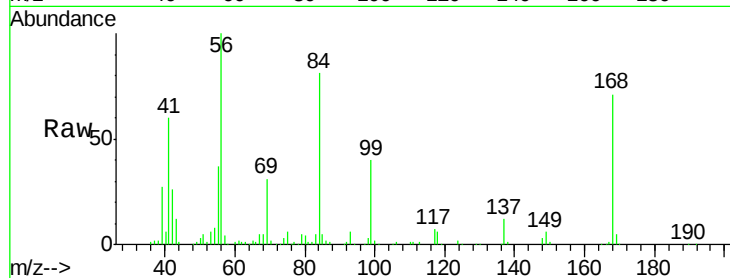
Tgt Ion: 56 Resp: 487392

Ion Ratio Lower Upper

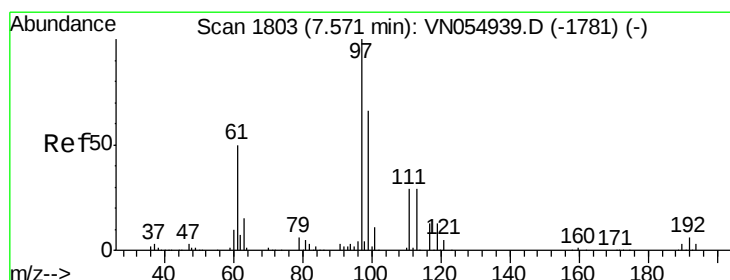
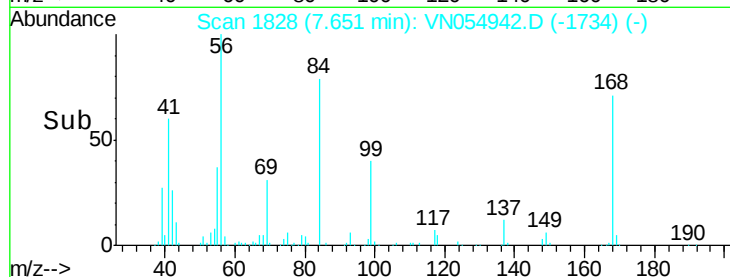
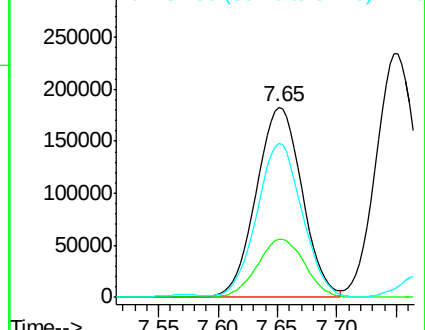
56 100

69 30.7 23.8 35.6

84 79.5 61.8 92.8



Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 47.980 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN054942.D

Acq: 4 Apr 2019 12:24

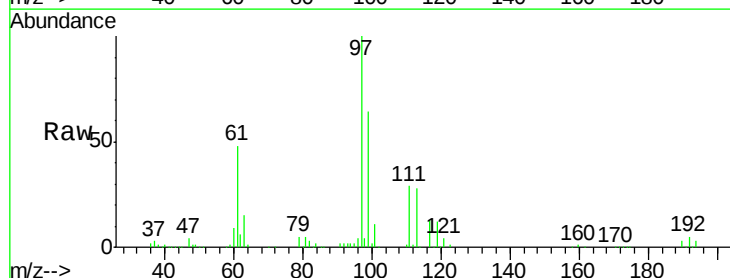
Tgt Ion: 97 Resp: 407996

Ion Ratio Lower Upper

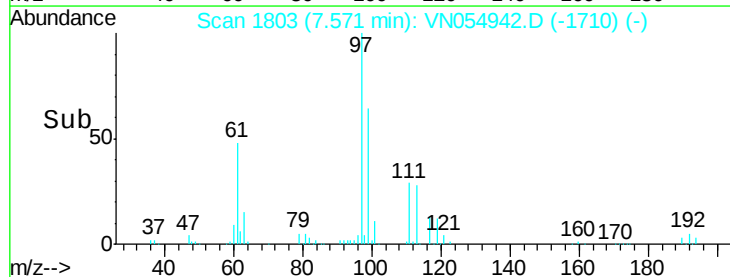
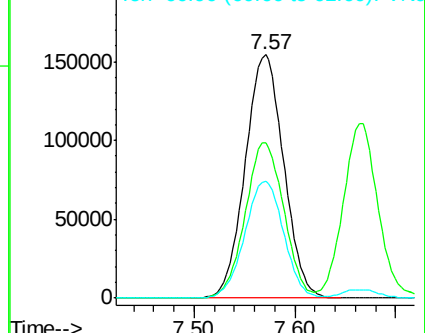
97 100

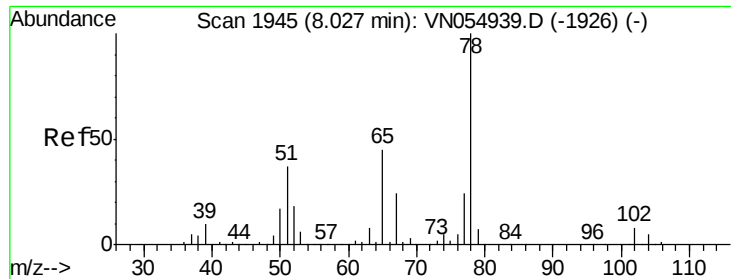
99 63.9 52.1 78.1

61 48.6 39.6 59.4



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0

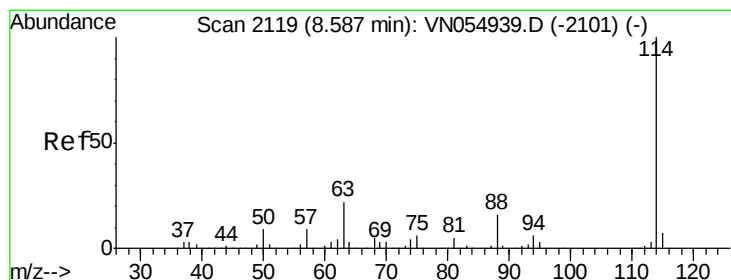
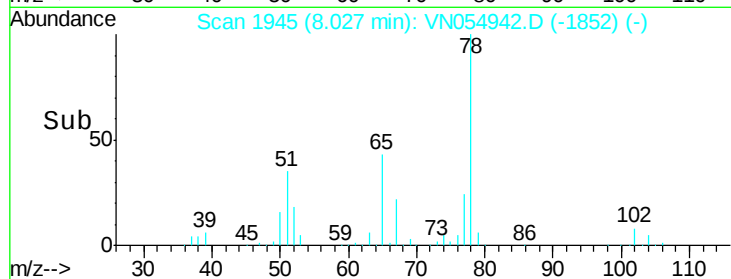
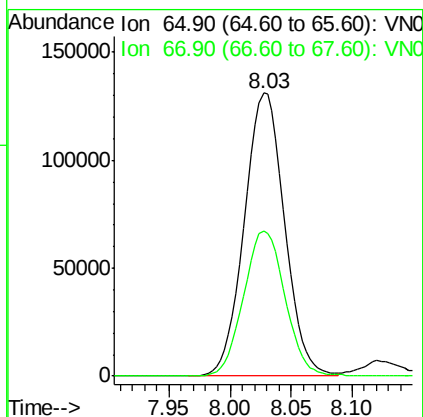
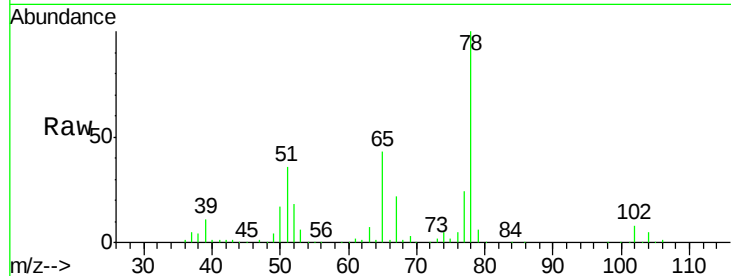




#33
 1,2-Dichloroethane-d4
 Concen: 46.827 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN054942.D
 Acq: 4 Apr 2019 12:24

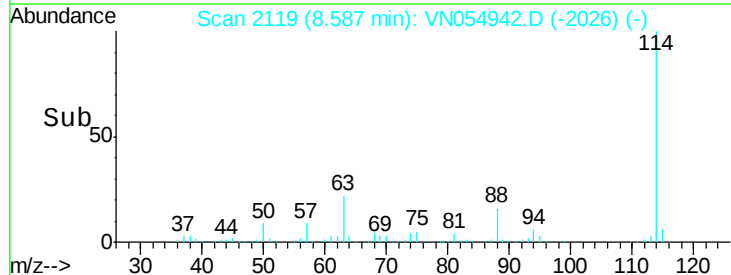
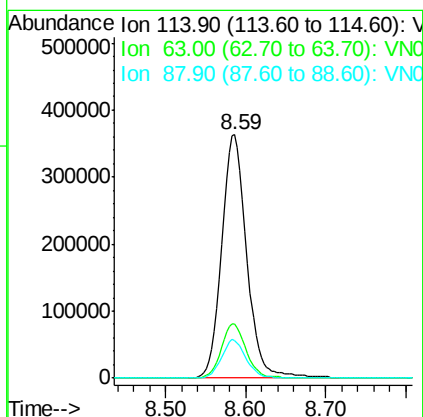
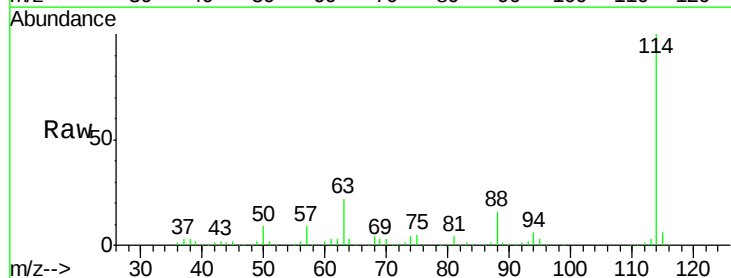
Instrument :
 MSVOA_N
 ClientSampled :
 BFB

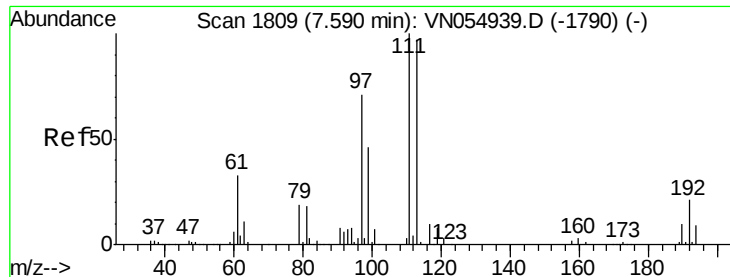
Tgt Ion: 65 Resp: 299606
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 105.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054942.D
 Acq: 4 Apr 2019 12:24

Tgt Ion: 114 Resp: 784450
 Ion Ratio Lower Upper
 114 100
 63 22.0 0.0 44.6
 88 15.6 0.0 32.0

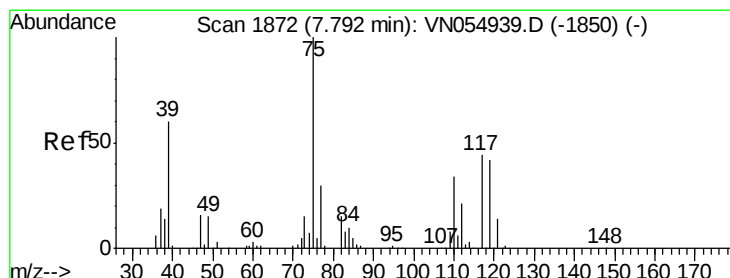
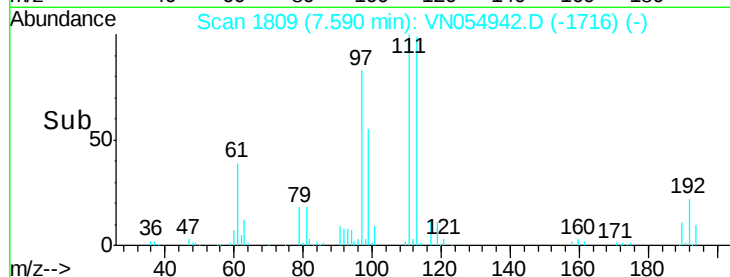
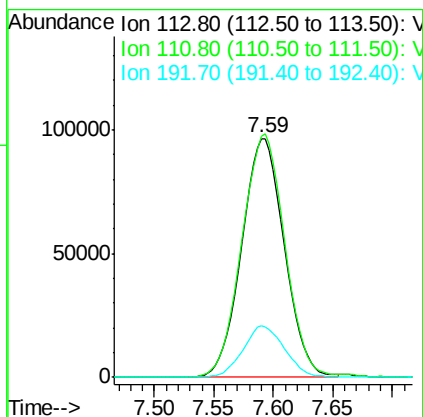
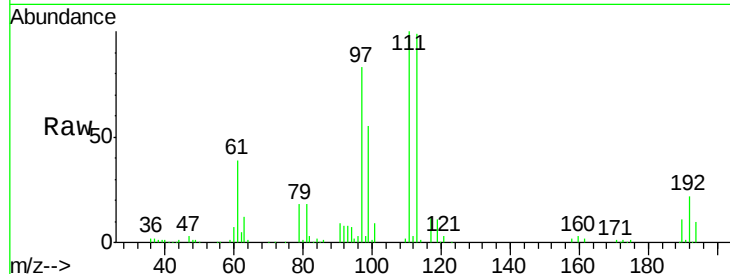




#35
 Dibromofluoromethane
 Concen: 46.953 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN054942.D
 Acq: 4 Apr 2019 12:24

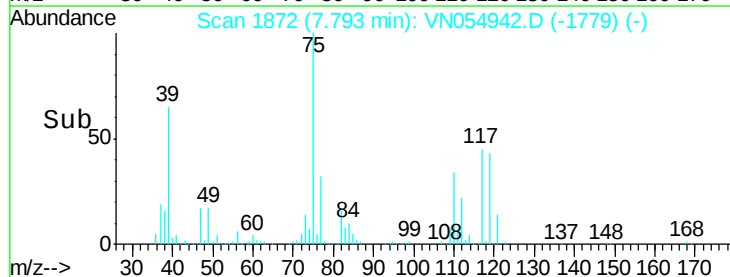
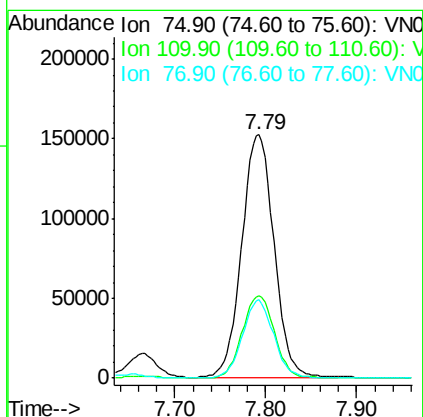
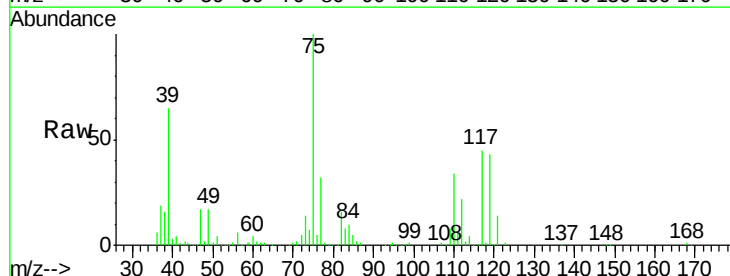
Instrument :
 MSVOA_N
 ClientSampled :
 BFB

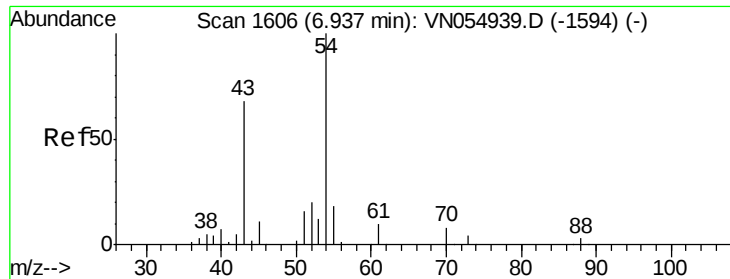
Tgt Ion: 113 Resp: 239760
 Ion Ratio Lower Upper
 113 100
 111 103.2 81.0 121.4
 192 20.9 16.5 24.7



#36
 1,1-Dichloropropene
 Concen: 48.238 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN054942.D
 Acq: 4 Apr 2019 12:24

Tgt Ion: 75 Resp: 374938
 Ion Ratio Lower Upper
 75 100
 110 34.0 17.0 50.9
 77 31.1 25.3 37.9

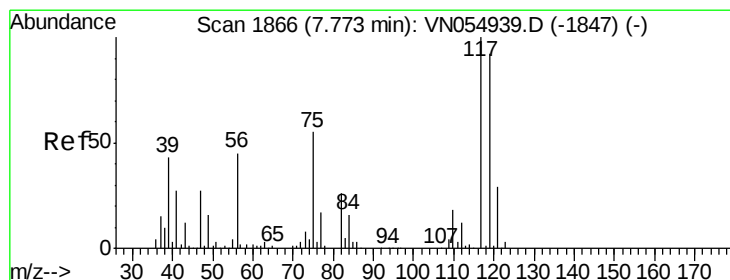
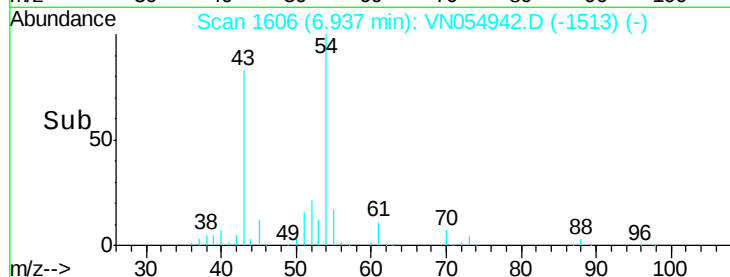
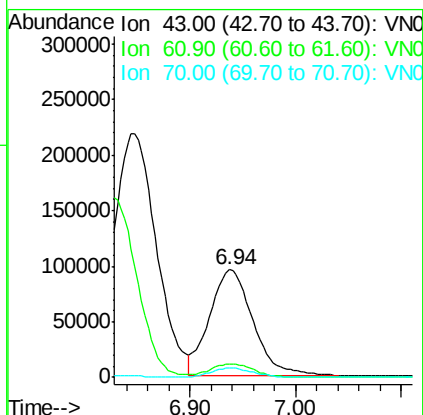
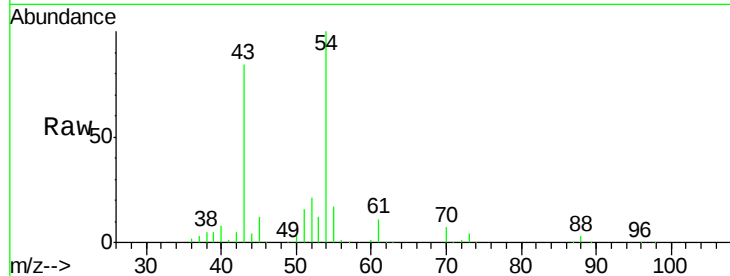




#37
 Ethyl Acetate
 Concen: 51.068 ug/l
 RT: 6.94 min Scan# 1606
 Delta R.T. 0.00 min
 Lab File: VN054942.D
 Acq: 4 Apr 2019 12:24

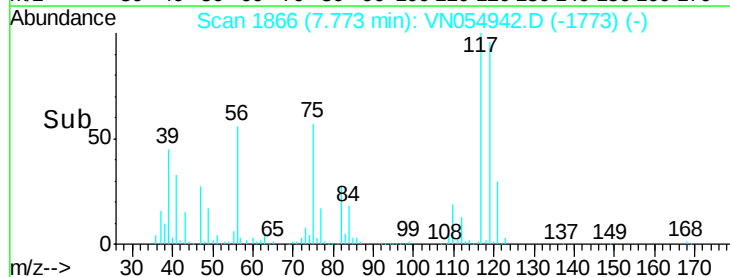
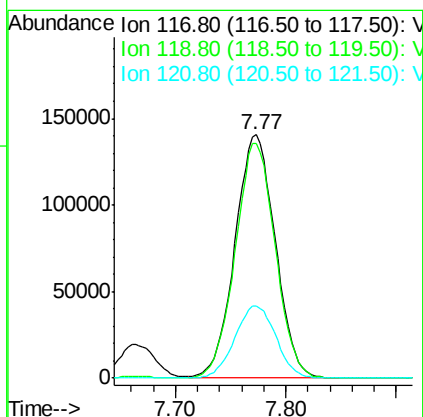
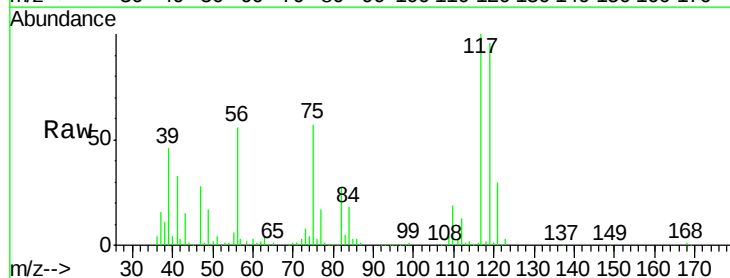
Instrument :
 MSVOA_N
 ClientSampled :
 BFB

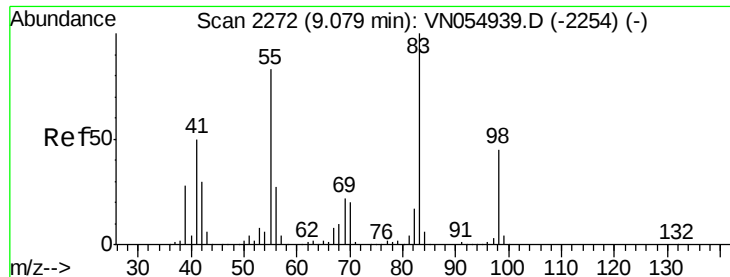
Tgt Ion: 43 Resp: 272396
 Ion Ratio Lower Upper
 43 100
 61 13.0 10.3 15.5
 70 8.1 7.0 10.4



#38
 Carbon Tetrachloride
 Concen: 47.163 ug/l
 RT: 7.77 min Scan# 1866
 Delta R.T. 0.00 min
 Lab File: VN054942.D
 Acq: 4 Apr 2019 12:24

Tgt Ion: 117 Resp: 354017
 Ion Ratio Lower Upper
 117 100
 119 96.3 73.6 110.4
 121 29.7 23.4 35.0

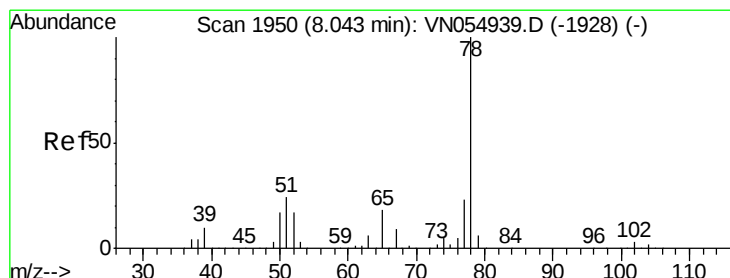
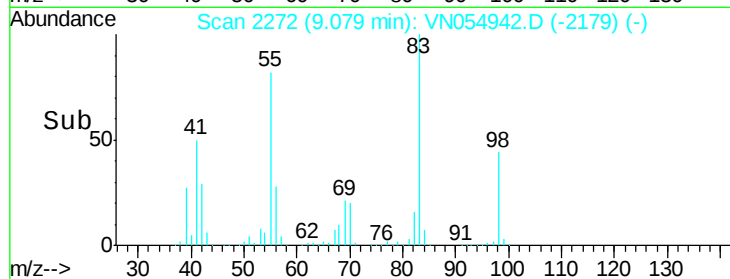
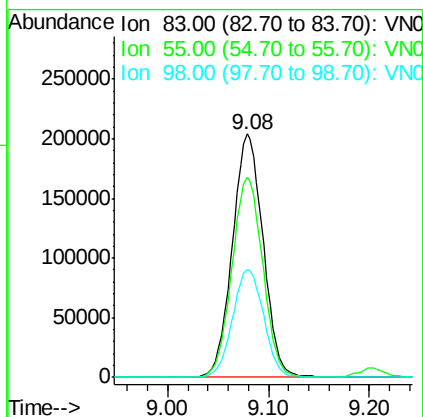
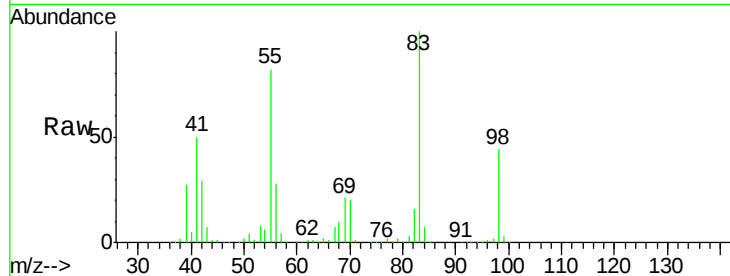




#39
Methylcyclohexane
Concen: 50.344 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN054942.D
Acq: 4 Apr 2019 12:24

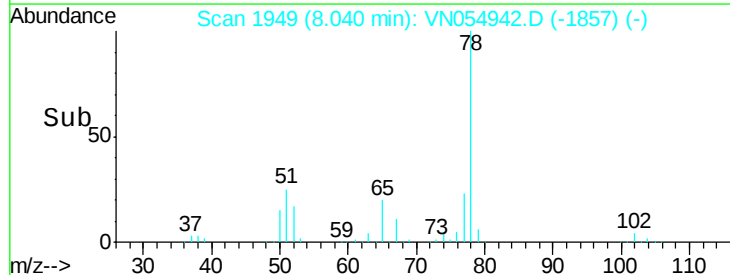
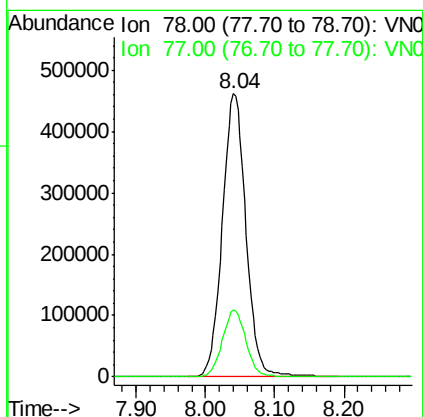
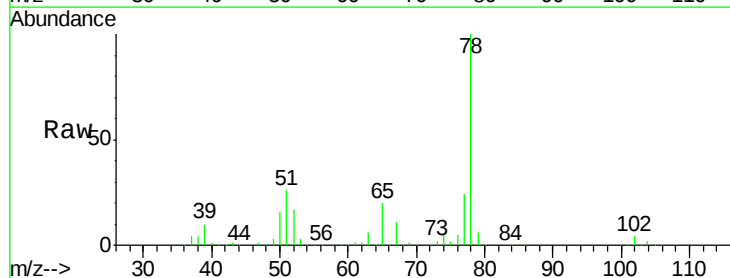
Instrument :
MSVOA_N
ClientSampleId :
BFB

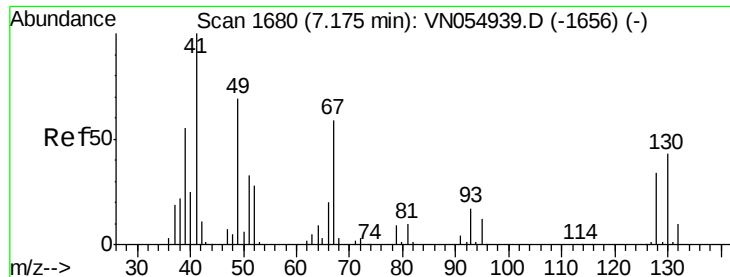
Tgt Ion: 83 Resp: 430490
Ion Ratio Lower Upper
83 100
55 82.0 66.4 99.6
98 44.5 36.4 54.6



#40
Benzene
Concen: 49.012 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN054942.D
Acq: 4 Apr 2019 12:24

Tgt Ion: 78 Resp: 1096183
Ion Ratio Lower Upper
78 100
77 23.5 18.6 27.8





#41

Methacrylonitrile

Concen: 49.417 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. 0.00 min

Lab File: VN054942.D

Acq: 4 Apr 2019 12:24

Instrument :

MSVOA_N

ClientSampled :

BFB

Tgt Ion: 41 Resp: 150720

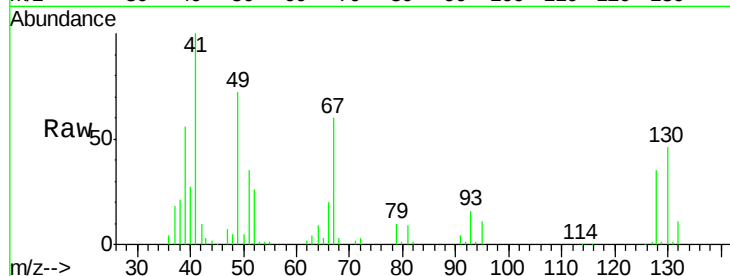
Ion Ratio Lower Upper

41 100

39 62.6 43.0 64.6

67 70.4 55.0 82.6

52 31.4 24.4 36.6

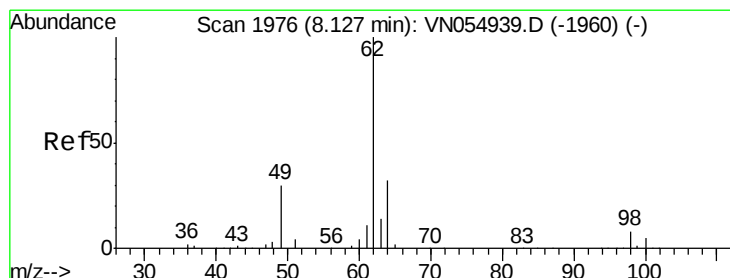
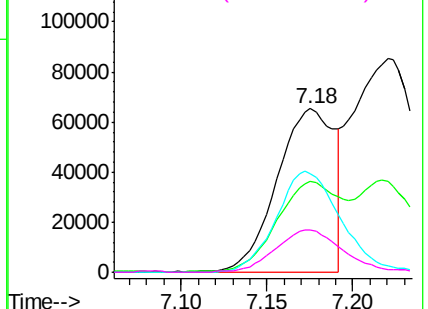
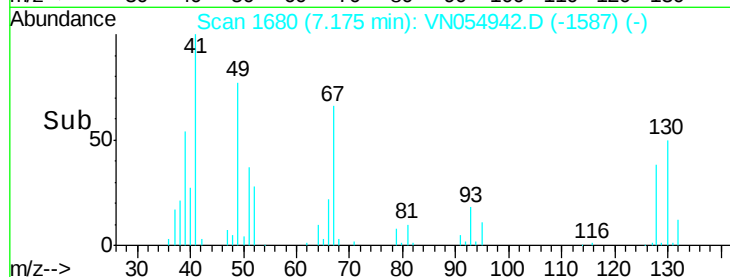


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#42

1,2-Dichloroethane

Concen: 47.972 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. -0.00 min

Lab File: VN054942.D

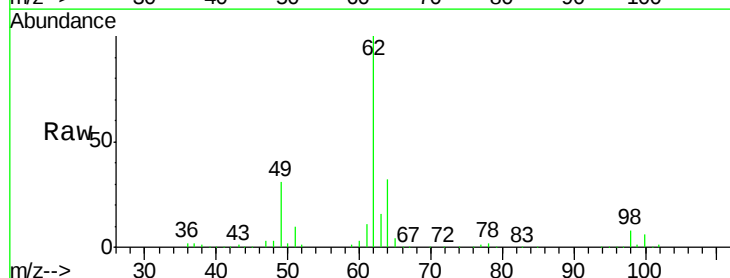
Acq: 4 Apr 2019 12:24

Tgt Ion: 62 Resp: 377022

Ion Ratio Lower Upper

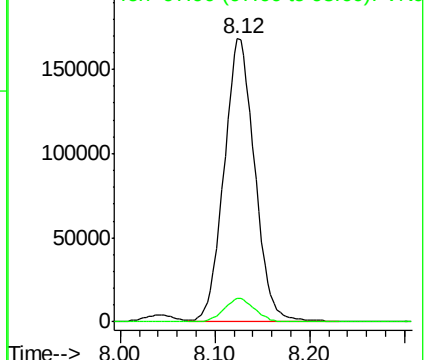
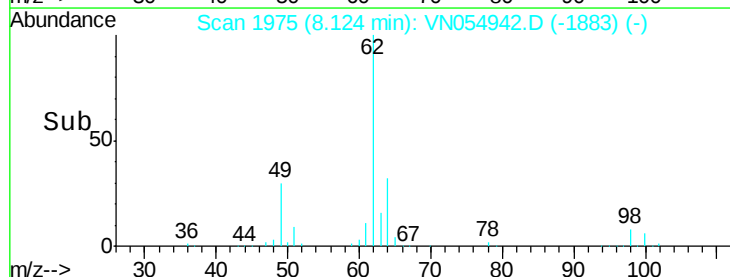
62 100

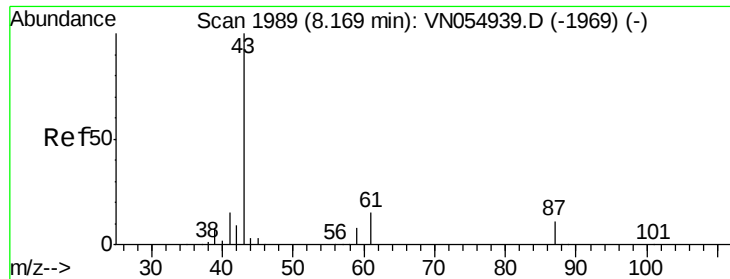
98 8.4 0.0 16.0



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 51.743 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN054942.D

Acq: 4 Apr 2019 12:24

Instrument :

MSVOA_N

ClientSampled :

BFB

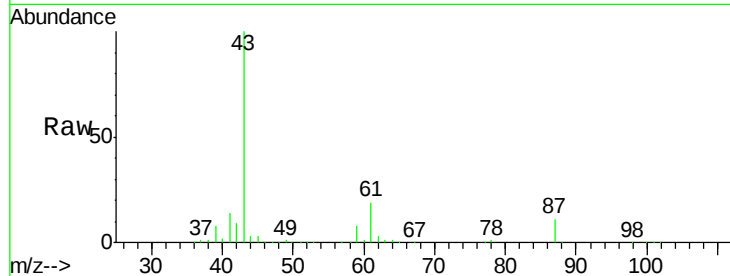
Tgt Ion: 43 Resp: 465149

Ion Ratio Lower Upper

43 100

61 18.6 14.4 21.6

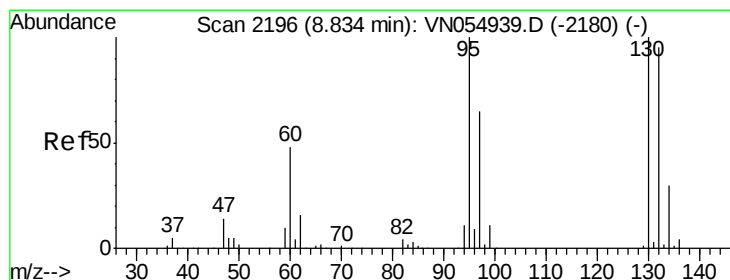
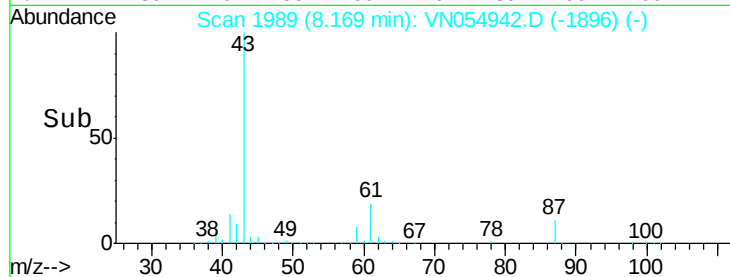
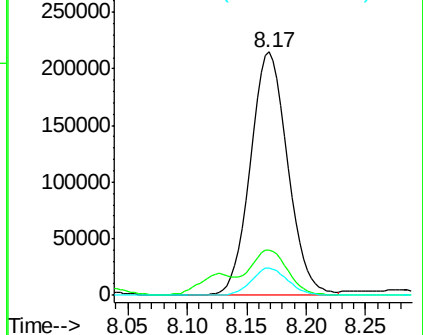
87 10.9 9.0 13.4



Abundance Ion 43.00 (42.70 to 43.70): VN054942.D (-2103) (-)

Ion 61.00 (60.70 to 61.70): VN054942.D (-2103) (-)

Ion 87.00 (86.70 to 87.70): VN054942.D (-2103) (-)



#44

Trichloroethene

Concen: 48.809 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN054942.D

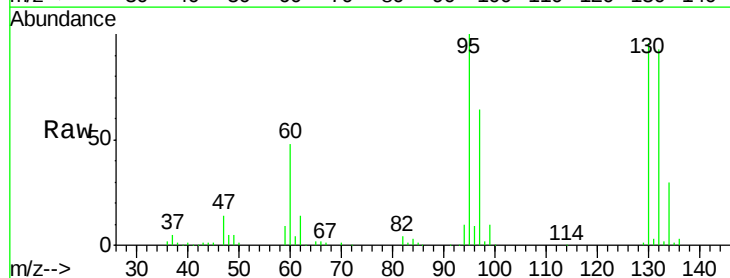
Acq: 4 Apr 2019 12:24

Tgt Ion: 130 Resp: 279124

Ion Ratio Lower Upper

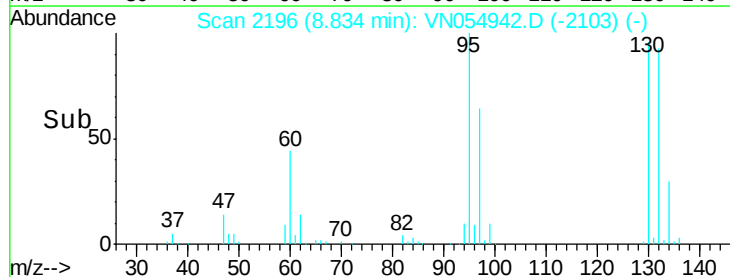
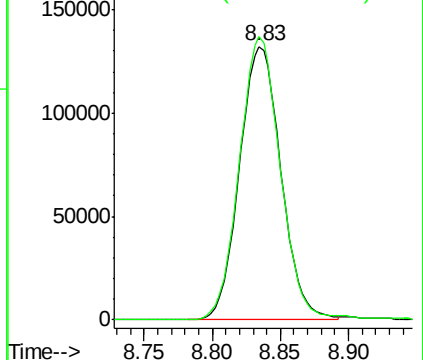
130 100

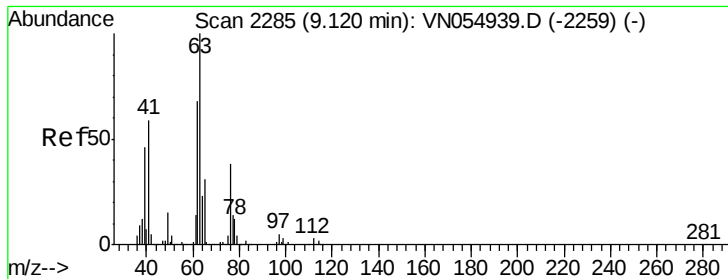
95 103.6 0.0 200.4



Abundance Ion 129.80 (129.50 to 130.50): VN054942.D (-2103) (-)

Ion 94.90 (94.60 to 95.60): VN054942.D (-2103) (-)

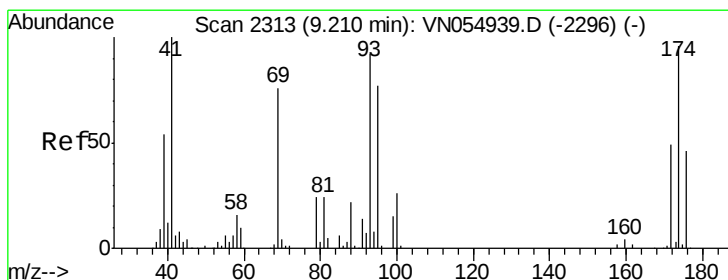
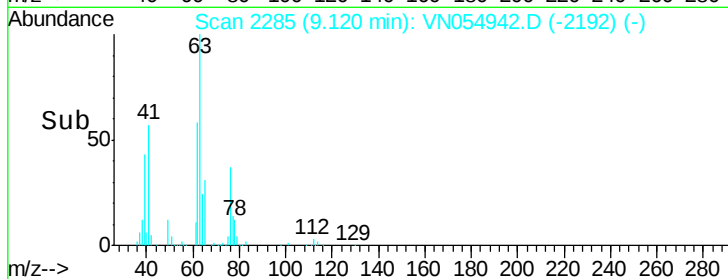
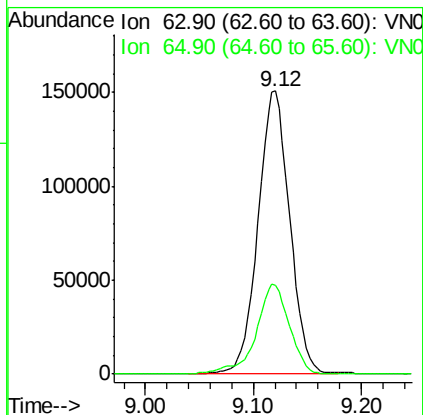
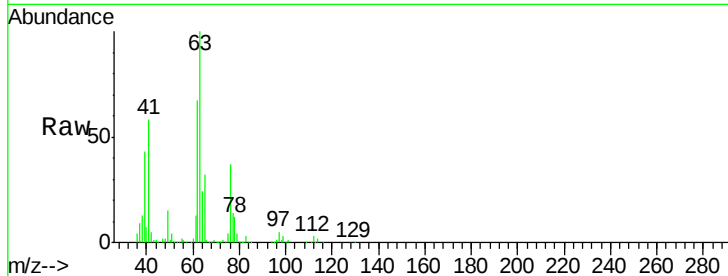




#45
 1,2-Dichloropropane
 Concen: 49.380 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN054942.D
 Acq: 4 Apr 2019 12:24

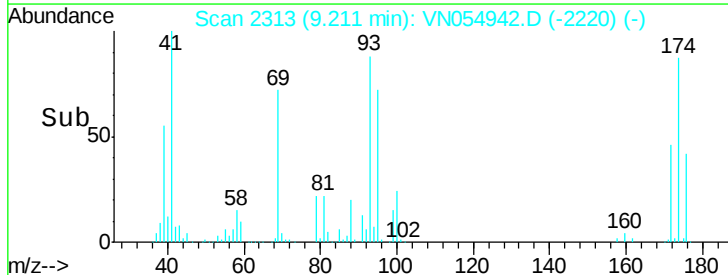
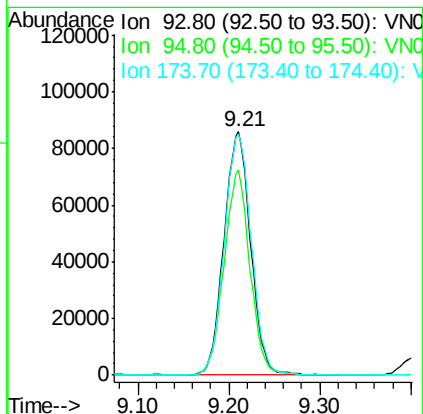
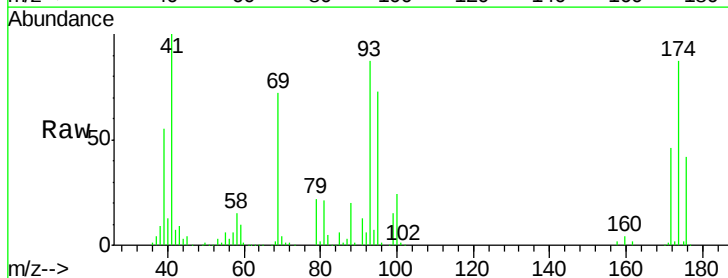
Instrument :
 MSVOA_N
 ClientSampleId :
 BFB

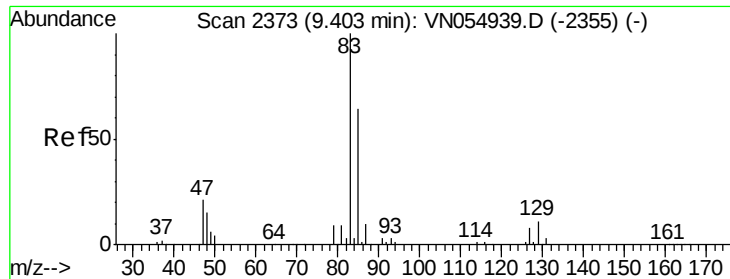
Tgt Ion: 63 Resp: 307718
 Ion Ratio Lower Upper
 63 100
 65 31.6 24.6 37.0



#46
 Dibromomethane
 Concen: 49.587 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN054942.D
 Acq: 4 Apr 2019 12:24

Tgt Ion: 93 Resp: 175233
 Ion Ratio Lower Upper
 93 100
 95 81.4 66.7 100.1
 174 100.4 82.0 123.0

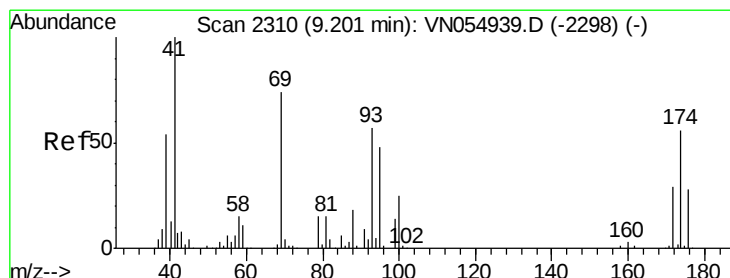
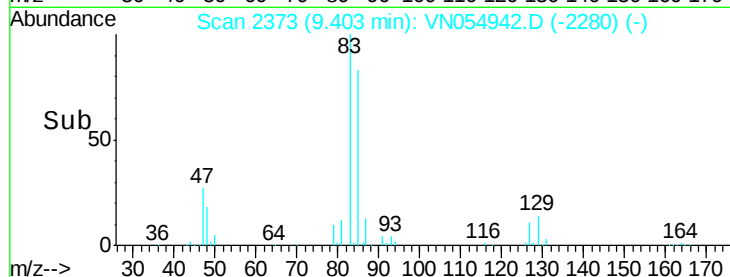
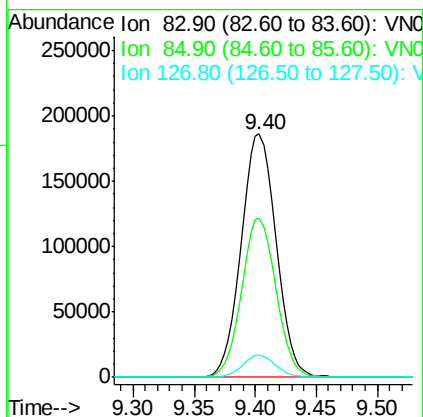
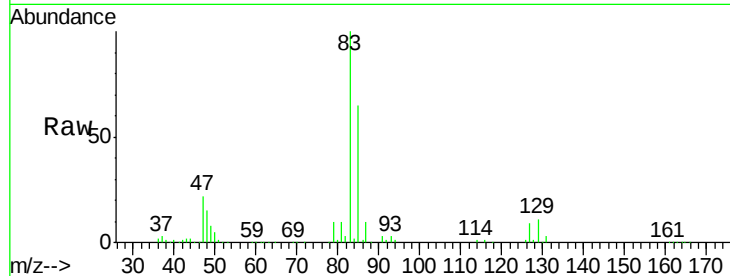




#47
Bromodichloromethane
Concen: 49.709 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN054942.D
Acq: 4 Apr 2019 12:24

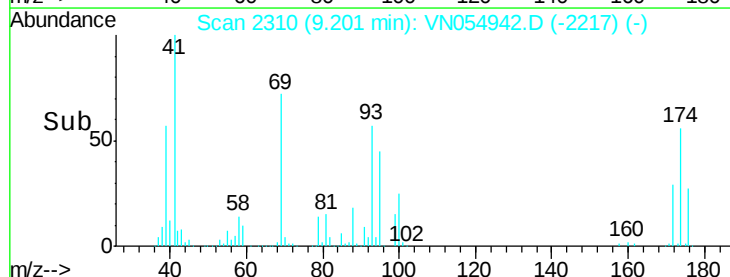
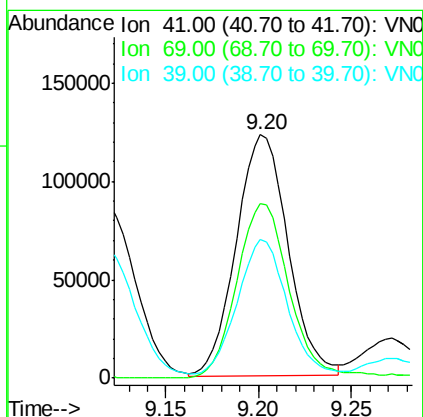
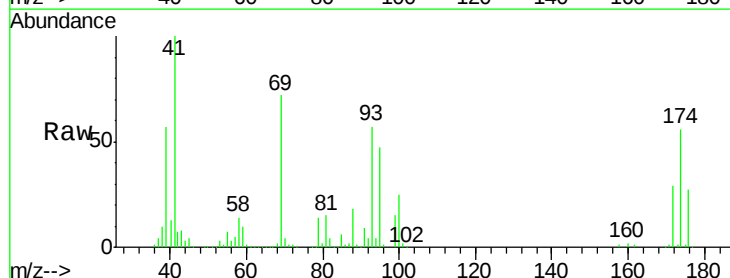
Instrument :
MSVOA_N
ClientSampled :
BFB

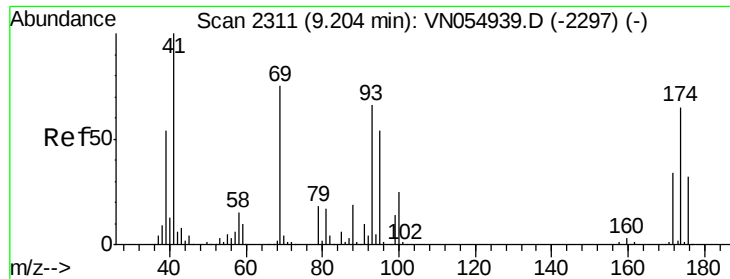
Tgt Ion: 83 Resp: 368959
Ion Ratio Lower Upper
83 100
85 65.2 51.1 76.7
127 9.0 6.7 10.1



#48
Methyl methacrylate
Concen: 52.769 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN054942.D
Acq: 4 Apr 2019 12:24

Tgt Ion: 41 Resp: 240140
Ion Ratio Lower Upper
41 100
69 73.2 58.9 88.3
39 55.5 44.2 66.4





#49

1,4-Dioxane

Concen: 1017.064 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN054942.D

Acq: 4 Apr 2019 12:24

Instrument :

MSVOA_N

ClientSampled :

BFB

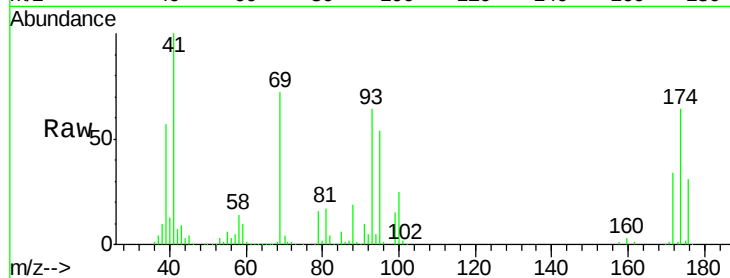
Tgt Ion: 88 Resp: 46717

Ion Ratio Lower Upper

88 100

43 41.9 31.5 47.3

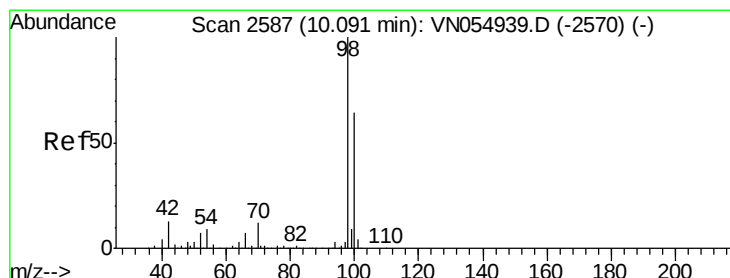
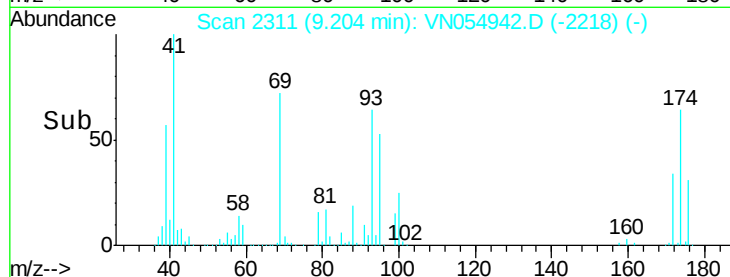
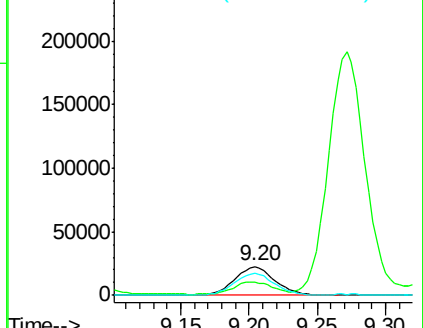
58 76.1 61.9 92.9



Abundance Ion 88.00 (87.70 to 88.70): VN054939.D (-2297) (-)

Ion 43.00 (42.70 to 43.70): VN054939.D (-2297) (-)

Ion 58.00 (57.70 to 58.70): VN054939.D (-2297) (-)



#50

Toluene-d8

Concen: 47.257 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054942.D

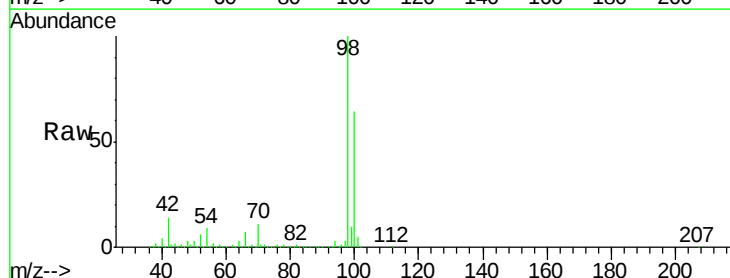
Acq: 4 Apr 2019 12:24

Tgt Ion: 98 Resp: 915650

Ion Ratio Lower Upper

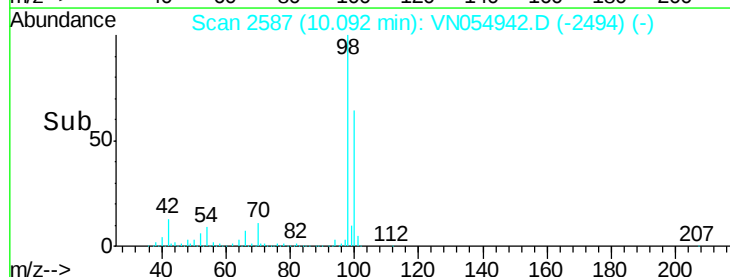
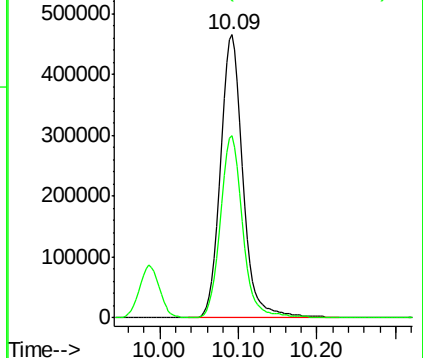
98 100

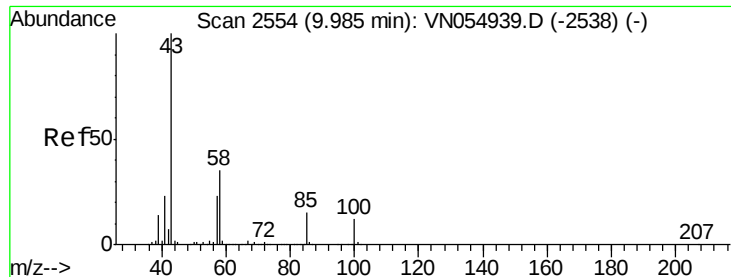
100 63.8 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VN054939.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN054939.D (-2570) (-)

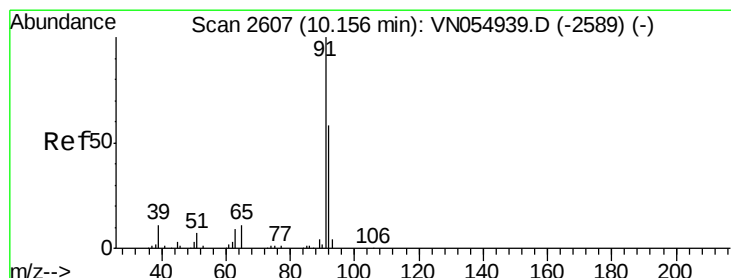
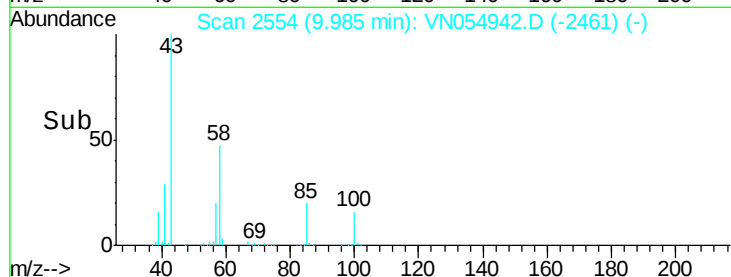
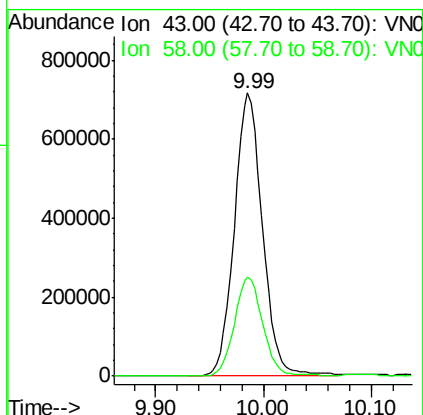
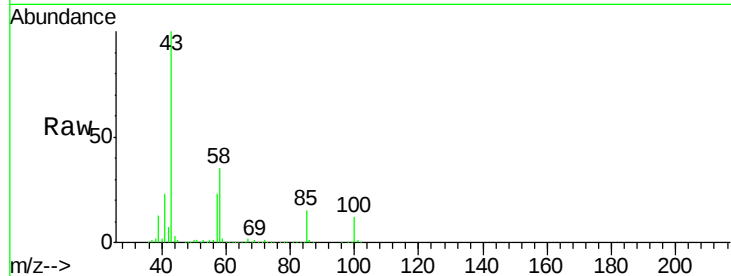




#51
 4-Methyl-2-Pentanone
 Concen: 259.624 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. 0.00 min
 Lab File: VN054942.D
 Acq: 4 Apr 2019 12:24

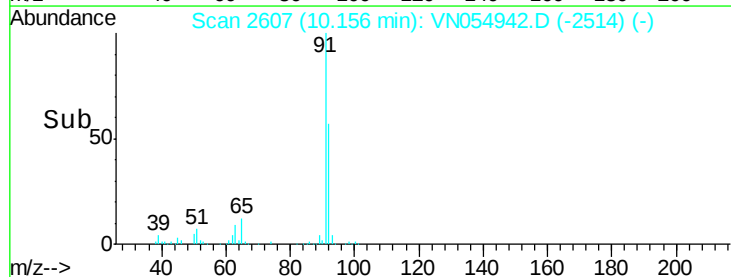
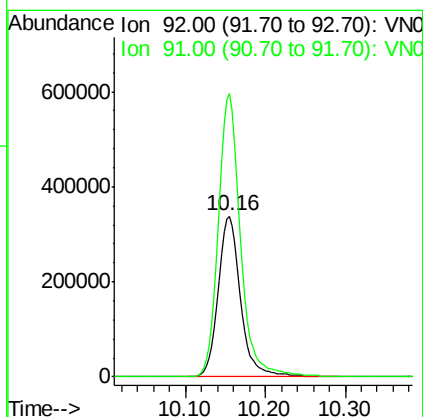
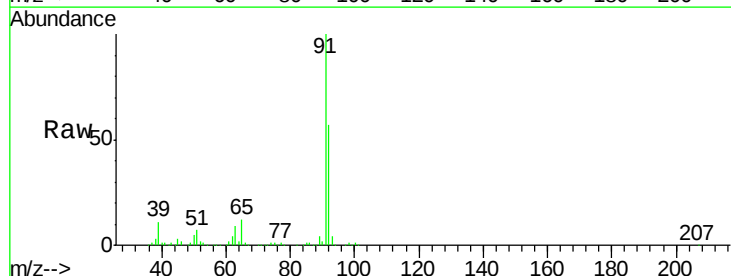
Instrument :
 MSVOA_N
 ClientSampleId :
 BFB

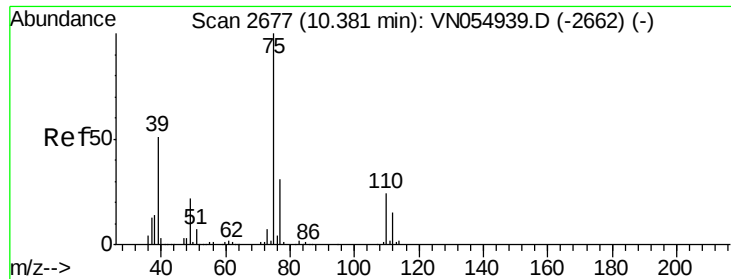
Tgt Ion: 43 Resp: 1302016
 Ion Ratio Lower Upper
 43 100
 58 35.4 28.3 42.5



#52
 Toluene
 Concen: 49.862 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. 0.00 min
 Lab File: VN054942.D
 Acq: 4 Apr 2019 12:24

Tgt Ion: 92 Resp: 657337
 Ion Ratio Lower Upper
 92 100
 91 174.9 138.8 208.2





#53

t-1,3-Dichloropropene

Concen: 48.024 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN054942.D

Acq: 4 Apr 2019 12:24

Instrument :

MSVOA_N

ClientSampleId :

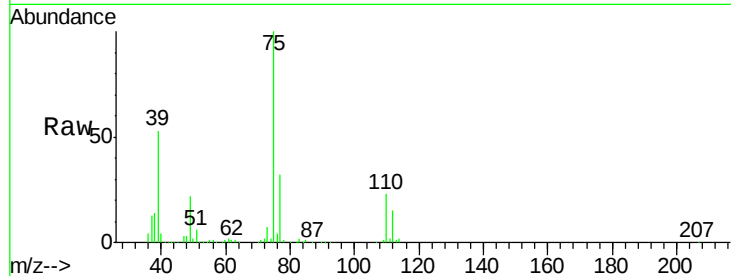
BFB

Tgt Ion: 75 Resp: 367988

Ion Ratio Lower Upper

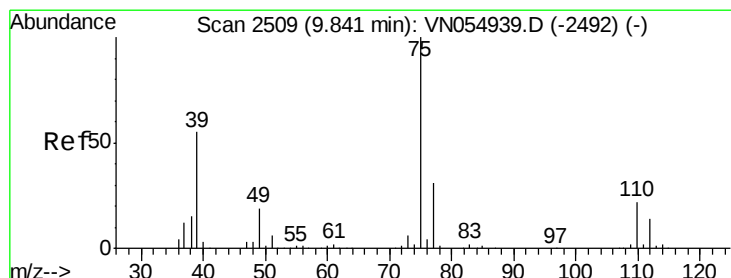
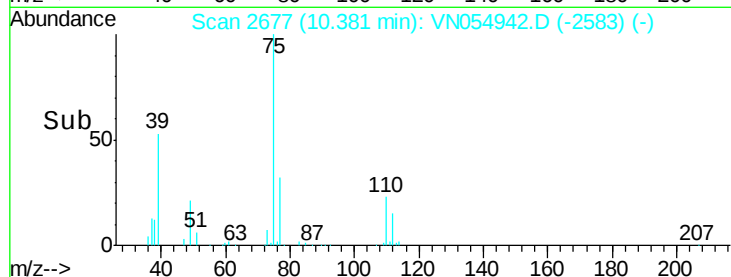
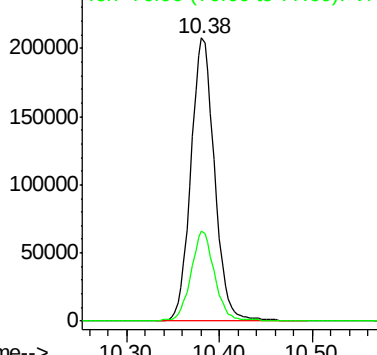
75 100

77 31.6 24.6 36.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 52.483 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN054942.D

Acq: 4 Apr 2019 12:24

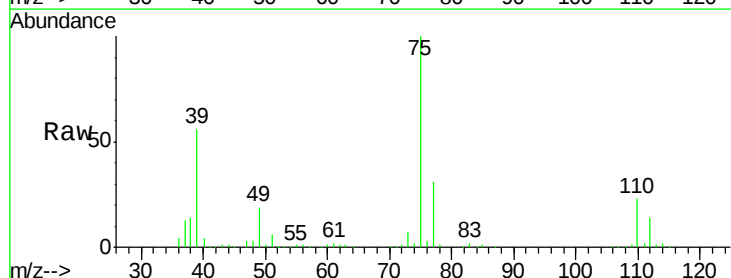
Tgt Ion: 75 Resp: 438438

Ion Ratio Lower Upper

75 100

77 31.4 25.0 37.4

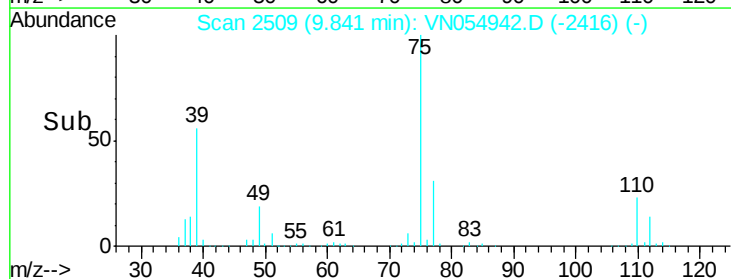
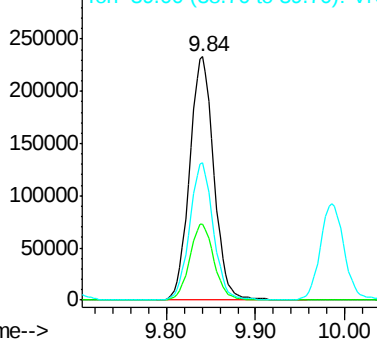
39 56.0 43.9 65.9

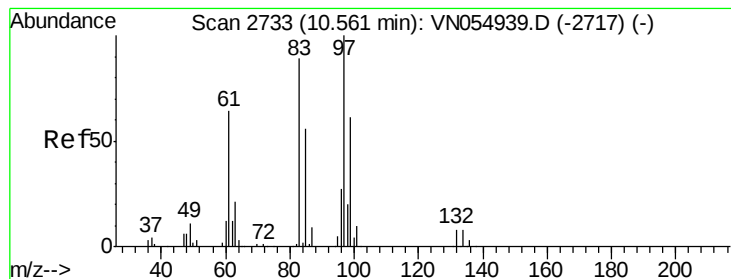


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 49.663 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN054942.D

Acq: 4 Apr 2019 12:24

Instrument :

MSVOA_N

ClientSampleId :

BFB

Tgt Ion: 97 Resp: 237378

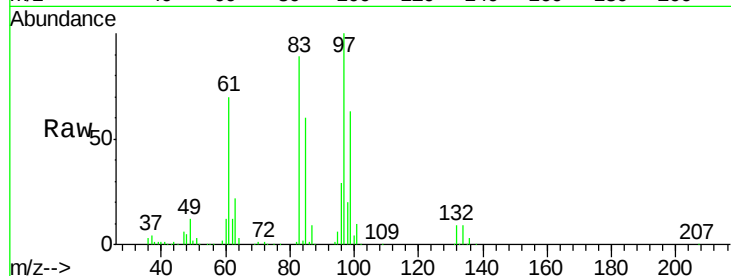
Ion Ratio Lower Upper

97 100

83 89.2 71.5 107.3

85 59.6 45.0 67.6

99 62.6 49.1 73.7

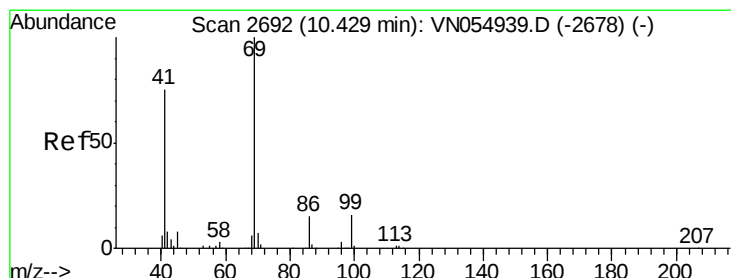
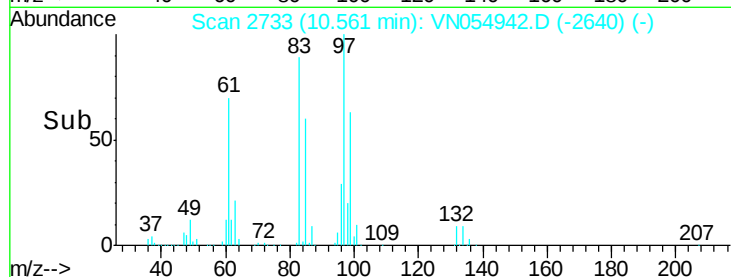
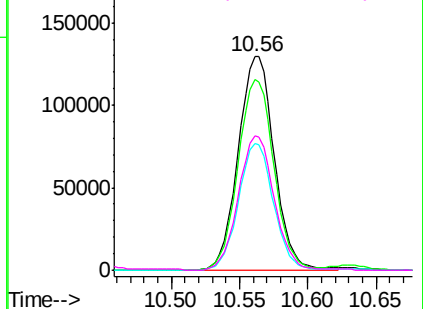


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 52.438 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN054942.D

Acq: 4 Apr 2019 12:24

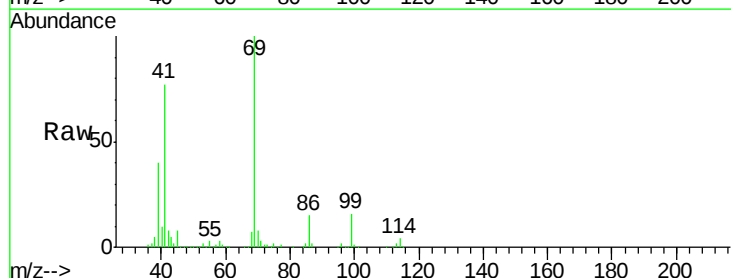
Tgt Ion: 69 Resp: 327705

Ion Ratio Lower Upper

69 100

41 76.1 60.2 90.2

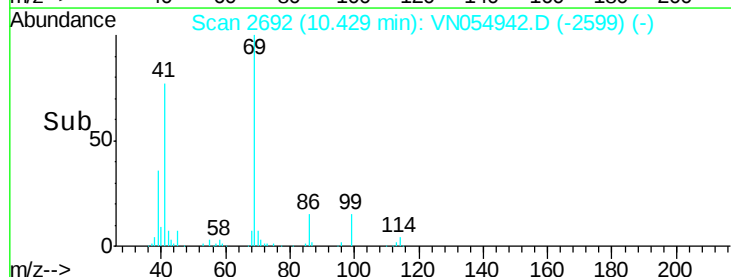
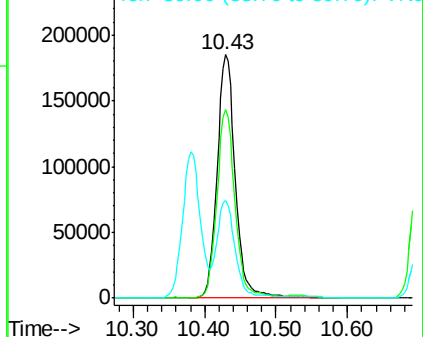
39 39.9 31.3 46.9

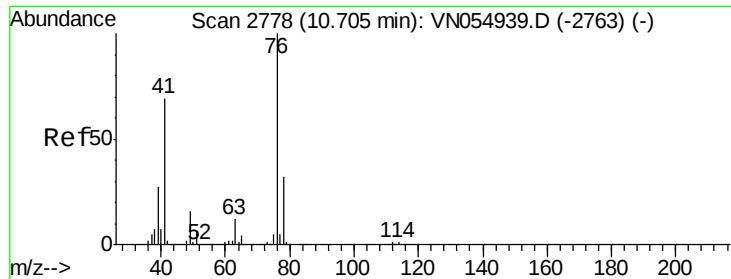


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

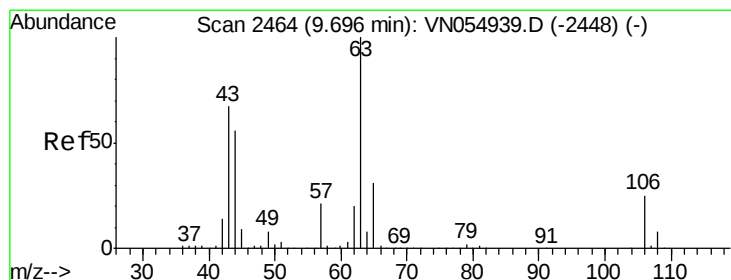
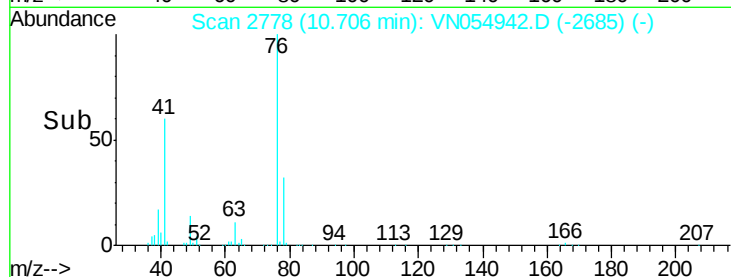
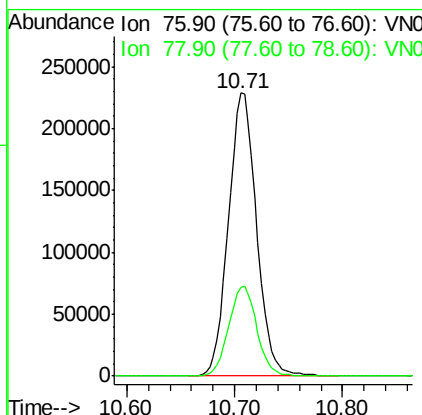
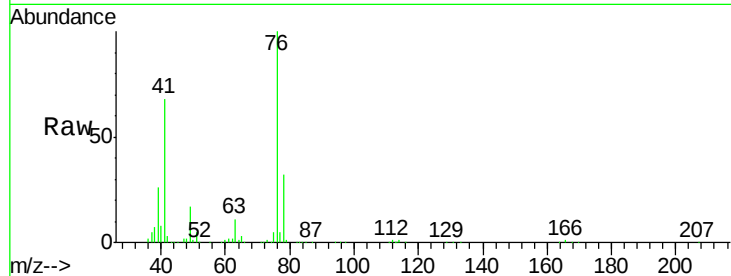




#57
 1,3-Dichloropropane
 Concen: 49.953 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN054942.D
 Acq: 4 Apr 2019 12:24

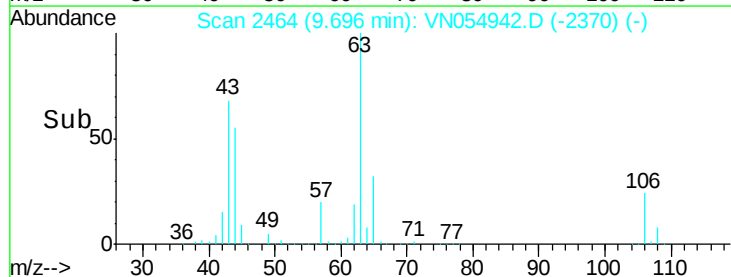
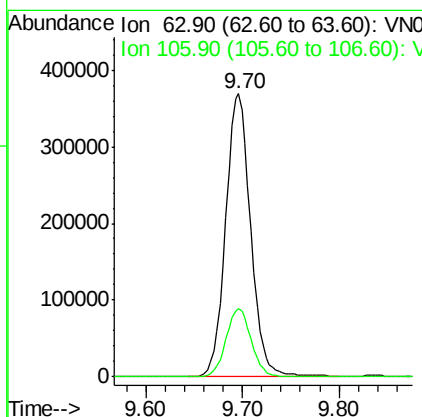
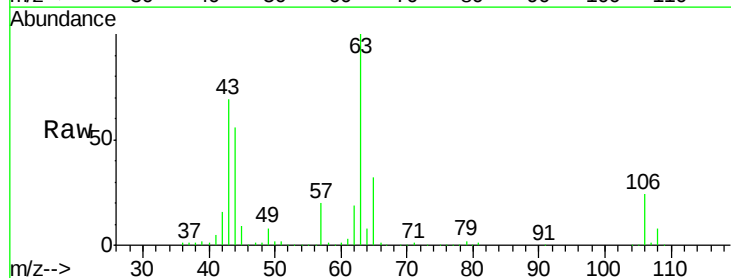
Instrument :
 MSVOA_N
 ClientSampled :
 BFB

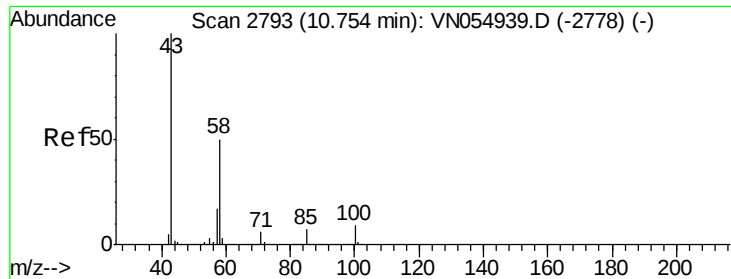
Tgt Ion: 76 Resp: 416982
 Ion Ratio Lower Upper
 76 100
 78 31.9 25.9 38.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 239.208 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN054942.D
 Acq: 4 Apr 2019 12:24

Tgt Ion: 63 Resp: 662805
 Ion Ratio Lower Upper
 63 100
 106 24.4 19.7 29.5

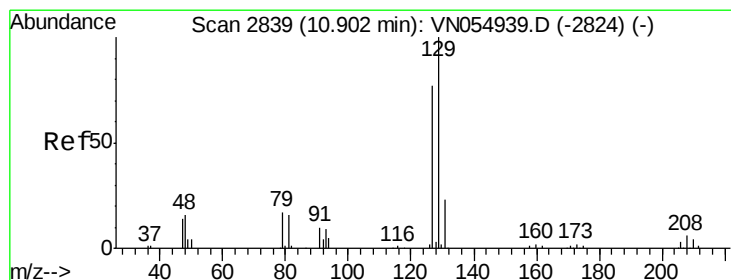
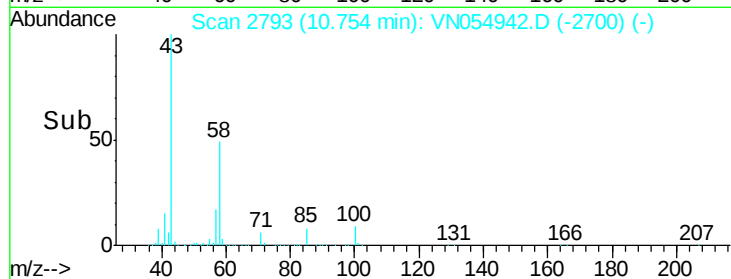
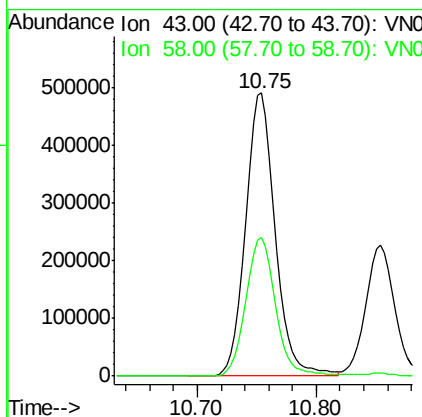
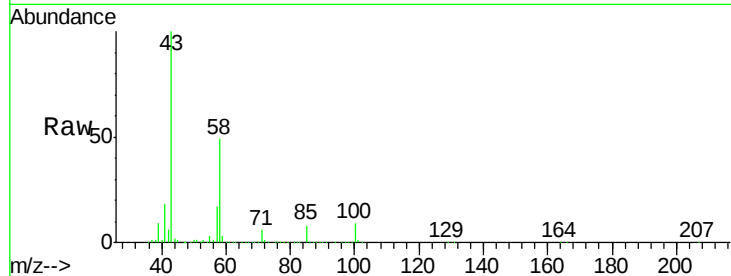




#59
 2-Hexanone
 Concen: 269.666 ug/l
 RT: 10.75 min Scan# 2793
 Delta R.T. 0.00 min
 Lab File: VN054942.D
 Acq: 4 Apr 2019 12:24

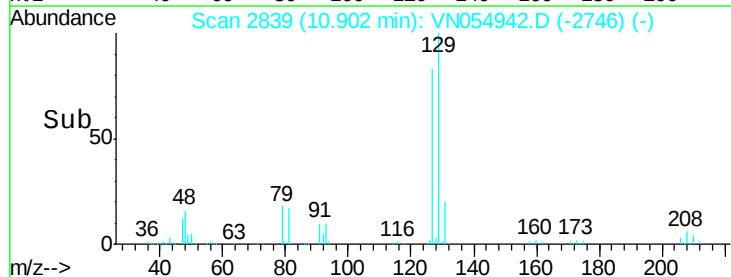
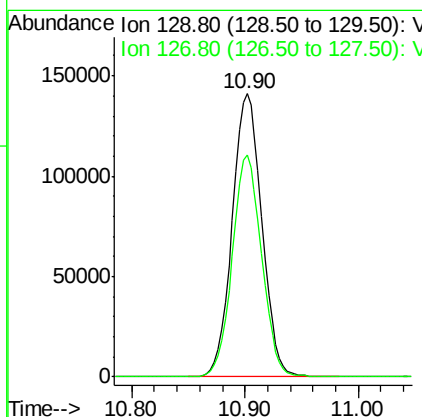
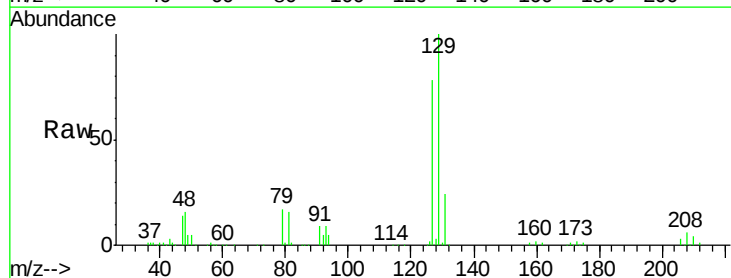
Instrument :
 MSVOA_N
 ClientSampled :
 BFB

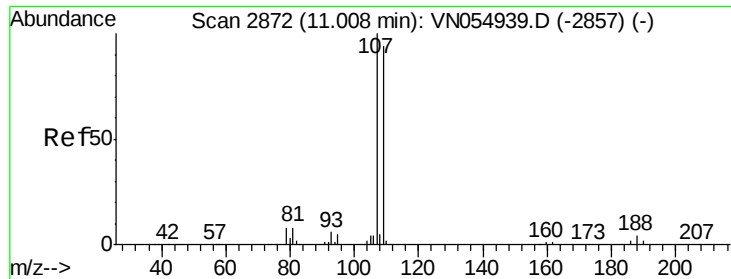
Tgt Ion: 43 Resp: 844714
 Ion Ratio Lower Upper
 43 100
 58 49.5 24.6 73.8



#60
 Dibromochloromethane
 Concen: 51.420 ug/l
 RT: 10.90 min Scan# 2839
 Delta R.T. 0.00 min
 Lab File: VN054942.D
 Acq: 4 Apr 2019 12:24

Tgt Ion: 129 Resp: 257436
 Ion Ratio Lower Upper
 129 100
 127 77.6 38.4 115.2





#61

1,2-Dibromoethane

Concen: 50.974 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN054942.D

Acq: 4 Apr 2019 12:24

Instrument :

MSVOA_N

ClientSampled :

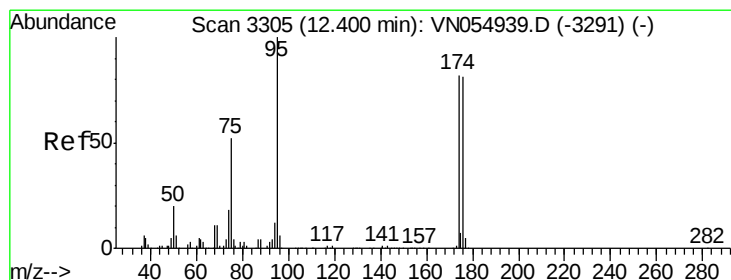
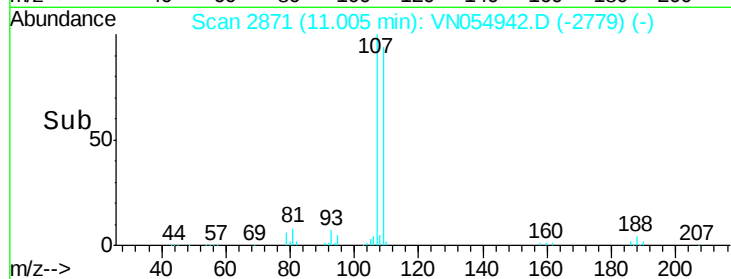
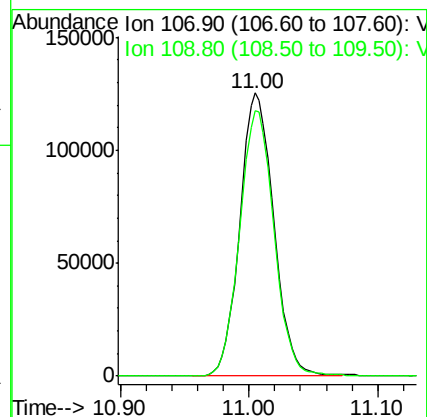
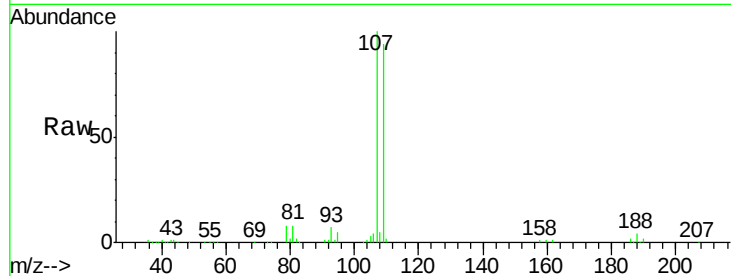
BFB

Tgt Ion: 107 Resp: 229084

Ion Ratio Lower Upper

107 100

109 95.3 74.6 112.0



#62

4-Bromofluorobenzene

Concen: 47.407 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN054942.D

Acq: 4 Apr 2019 12:24

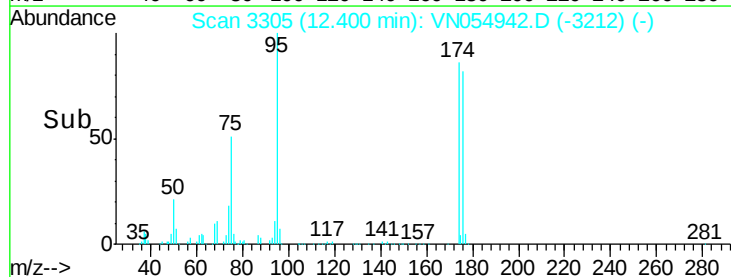
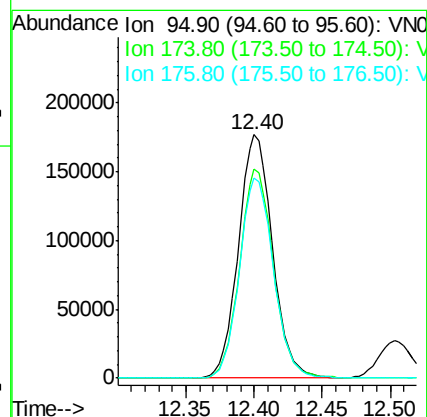
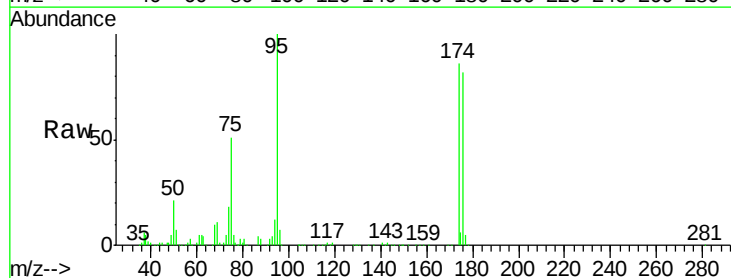
Tgt Ion: 95 Resp: 306539

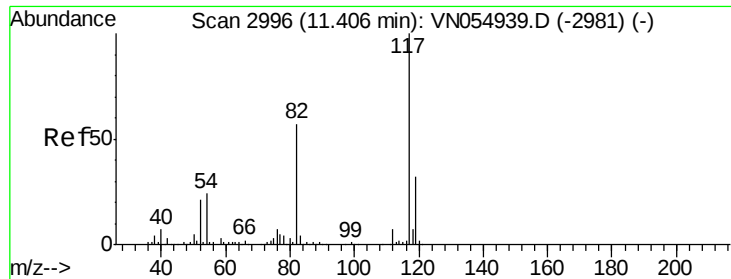
Ion Ratio Lower Upper

95 100

174 85.2 0.0 166.2

176 82.3 0.0 163.2

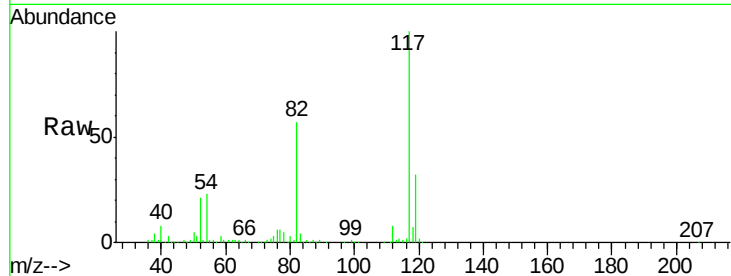




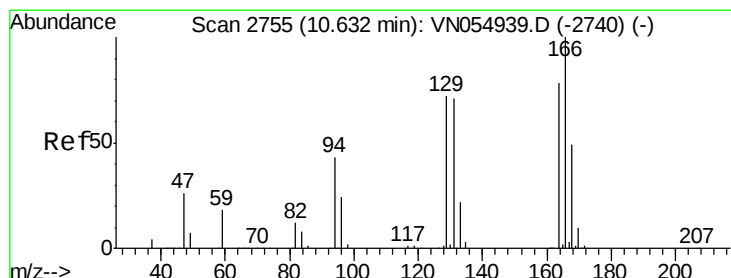
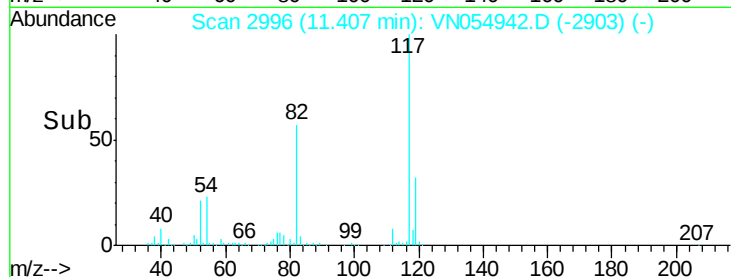
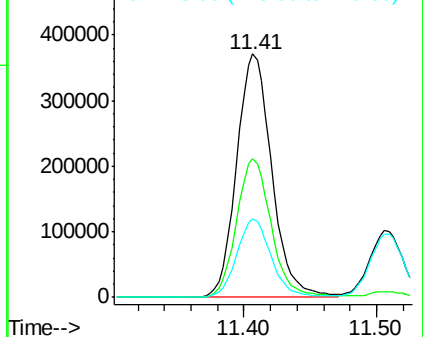
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054942.D
Acq: 4 Apr 2019 12:24

Instrument :
MSVOA_N
ClientSampleId :
BFB

Tgt Ion:117 Resp: 684603
Ion Ratio Lower Upper
117 100
82 56.9 45.3 67.9
119 32.4 25.8 38.6

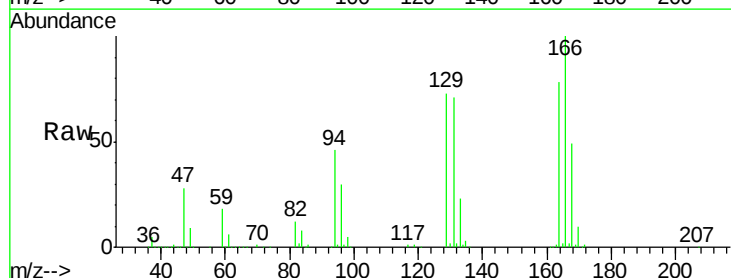


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

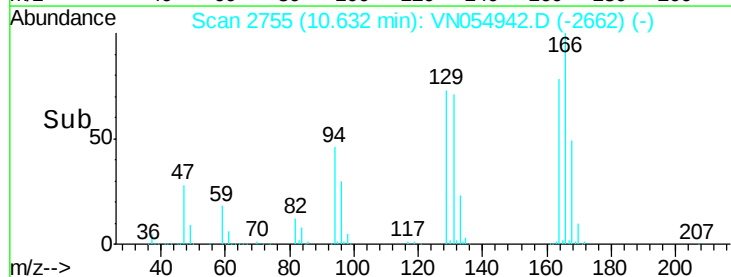
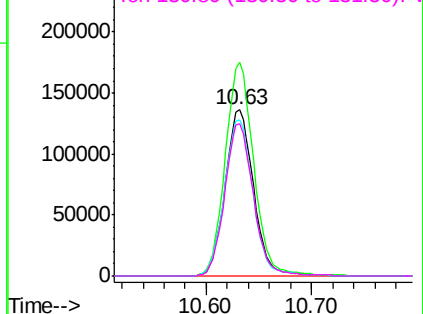


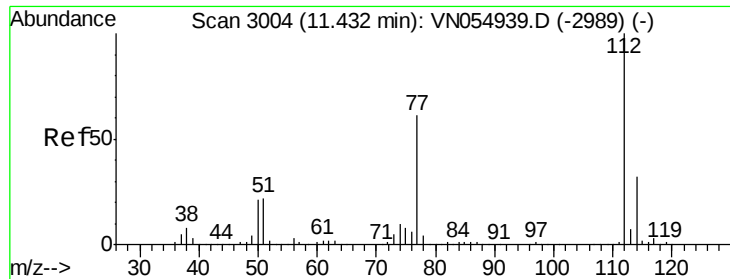
#64
Tetrachloroethene
Concen: 46.068 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN054942.D
Acq: 4 Apr 2019 12:24

Tgt Ion:164 Resp: 254363
Ion Ratio Lower Upper
164 100
166 128.8 103.1 154.7
129 94.0 73.9 110.9
131 91.6 73.0 109.4



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

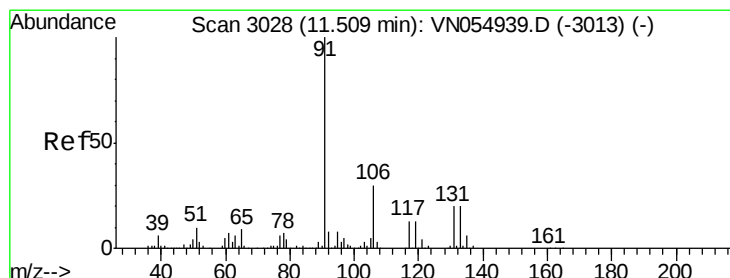
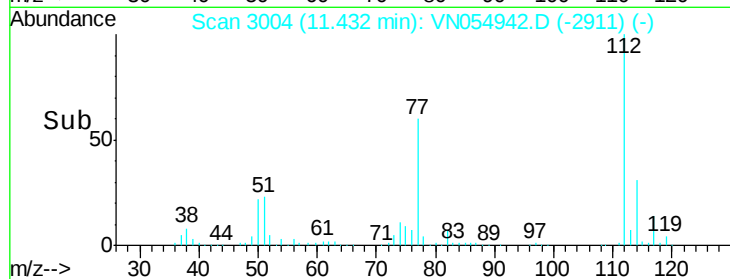
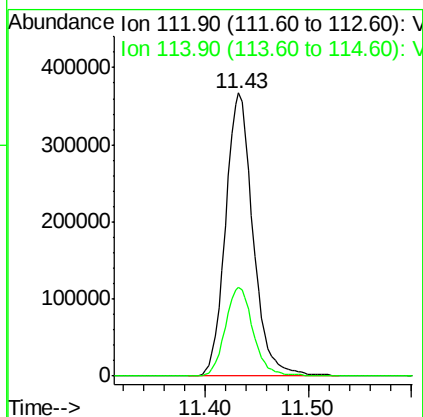
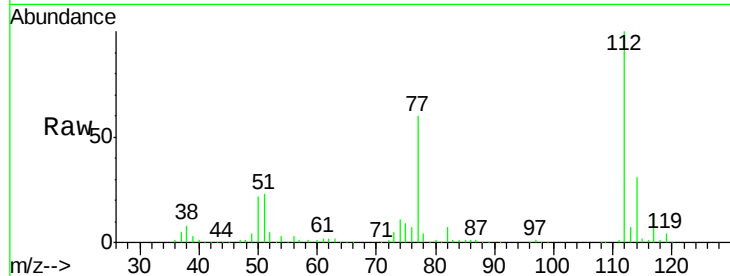




#65
Chlorobenzene
Concen: 48.900 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN054942.D
Acq: 4 Apr 2019 12:24

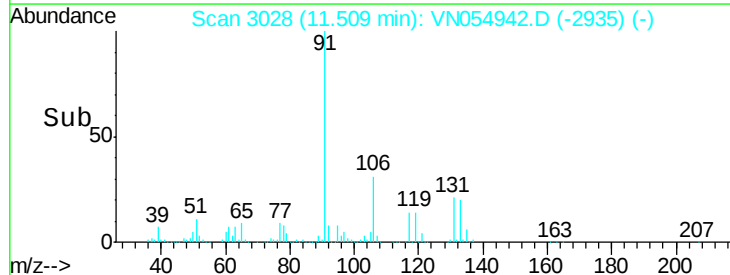
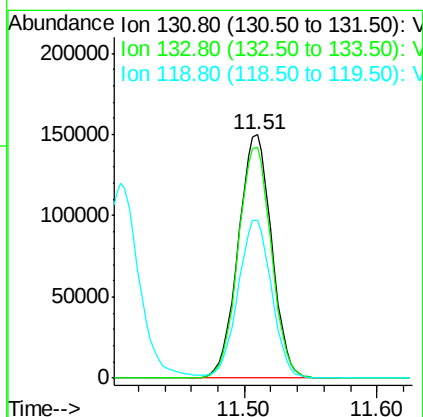
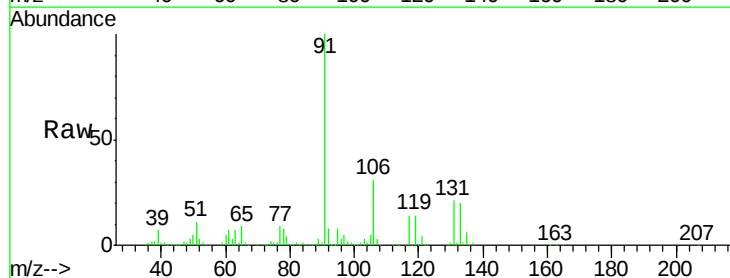
Instrument :
MSVOA_N
ClientSampled :
BFB

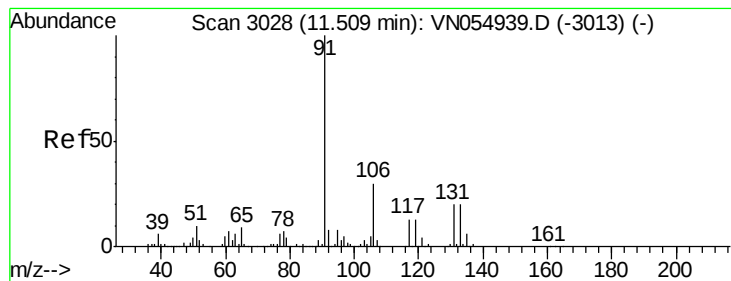
Tgt Ion:112 Resp: 682369
Ion Ratio Lower Upper
112 100
114 31.3 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 51.227 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN054942.D
Acq: 4 Apr 2019 12:24

Tgt Ion:131 Resp: 261720
Ion Ratio Lower Upper
131 100
133 94.2 48.1 144.4
119 65.5 33.1 99.2





#67

Ethyl Benzene

Concen: 49.713 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN054942.D

Acq: 4 Apr 2019 12:24

Instrument :

MSVOA_N

ClientSampled :

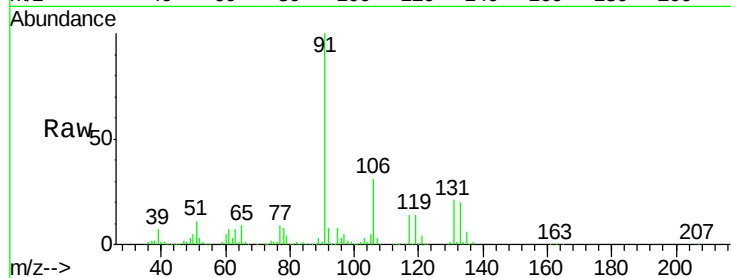
BFB

Tgt Ion: 91 Resp: 1250784

Ion Ratio Lower Upper

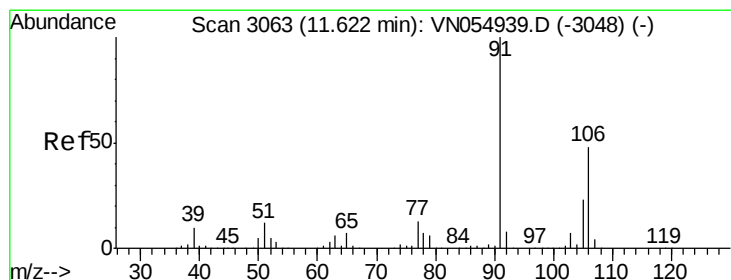
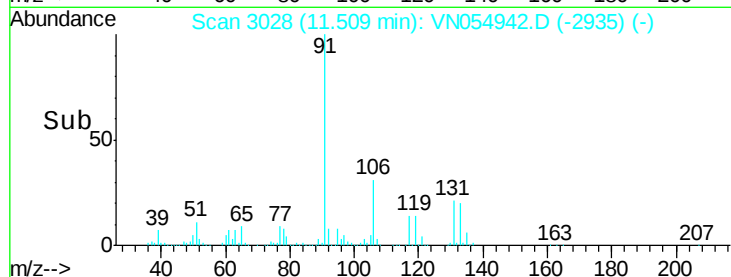
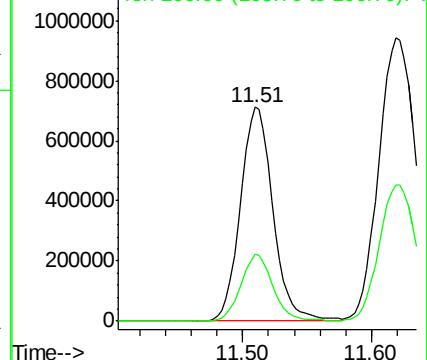
91 100

106 31.1 24.1 36.1



Abundance Ion 91.00 (90.70 to 91.70): VN054939.D (-3013) (-)

Ion 106.00 (105.70 to 106.70): VN054939.D (-3013) (-)



#68

m/p-Xylenes

Concen: 100.656 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN054942.D

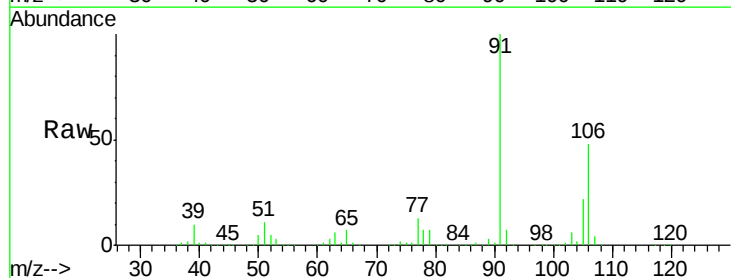
Acq: 4 Apr 2019 12:24

Tgt Ion: 106 Resp: 925783

Ion Ratio Lower Upper

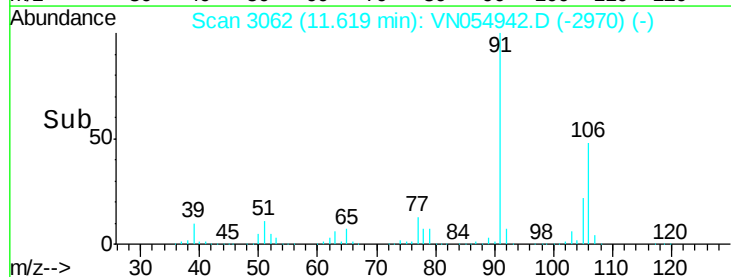
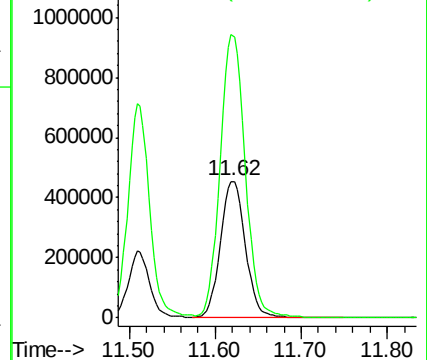
106 100

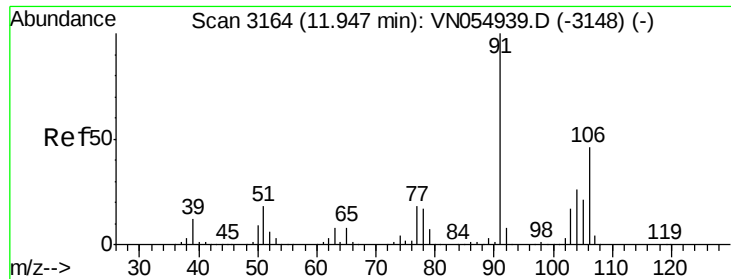
91 208.2 167.4 251.2



Abundance Ion 106.00 (105.70 to 106.70): VN054939.D (-3048) (-)

Ion 91.00 (90.70 to 91.70): VN054939.D (-3048) (-)

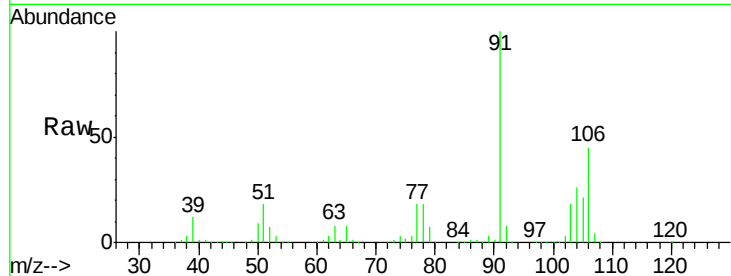




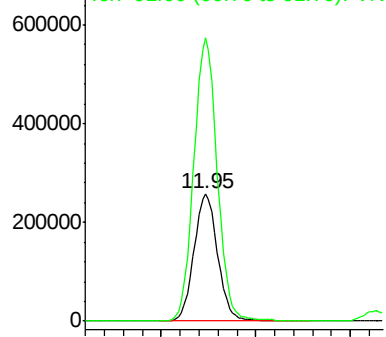
#69
o-Xylene
Concen: 50.004 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054942.D
Acq: 4 Apr 2019 12:24

Instrument :
MSVOA_N
ClientSampleId :
BFB

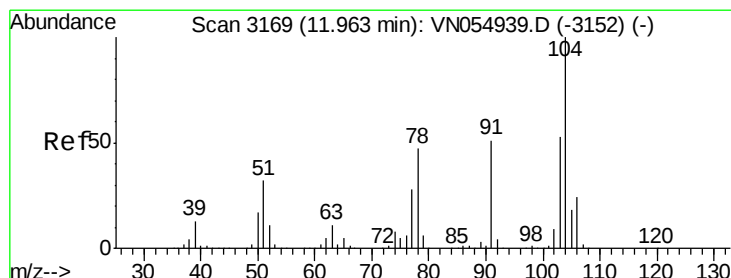
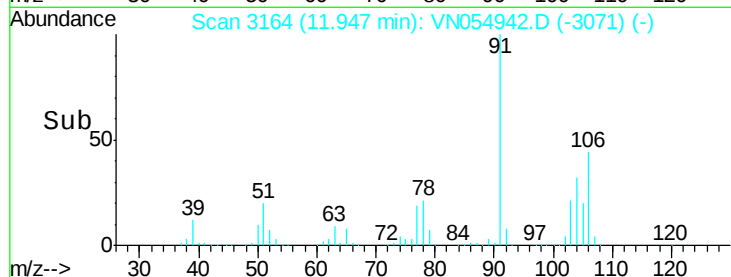
Tgt Ion:106 Resp: 448600
Ion Ratio Lower Upper
106 100
91 220.3 109.9 329.7



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

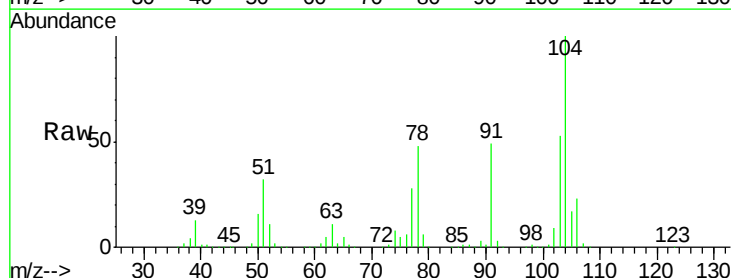


Time-->

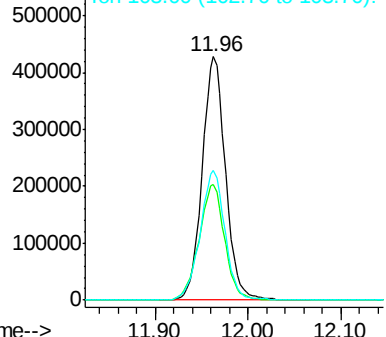


#70
Styrene
Concen: 51.725 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN054942.D
Acq: 4 Apr 2019 12:24

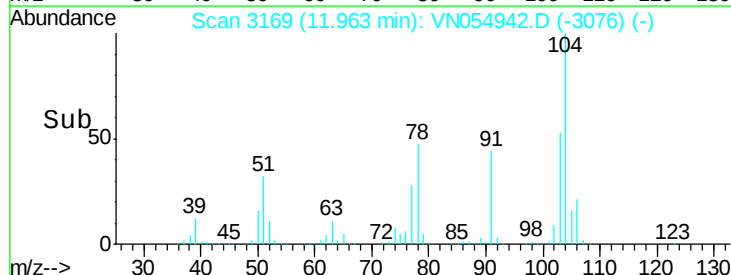
Tgt Ion:104 Resp: 744317
Ion Ratio Lower Upper
104 100
78 52.2 41.1 61.7
103 56.9 45.0 67.4

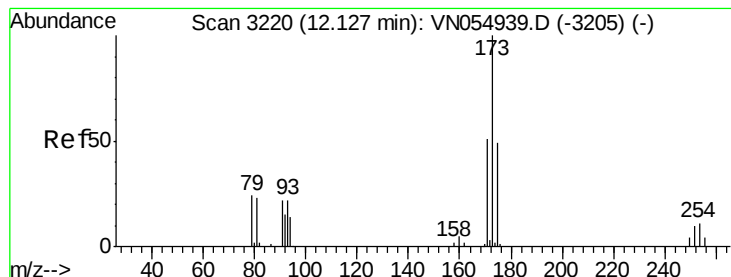


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V



Time-->





#71

Bromoform

Concen: 51.962 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN054942.D

Acq: 4 Apr 2019 12:24

Instrument :

MSVOA_N

ClientSampleId :

BFB

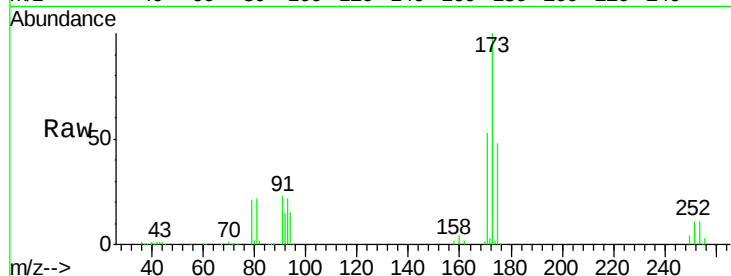
Tgt Ion:173 Resp: 159572

Ion Ratio Lower Upper

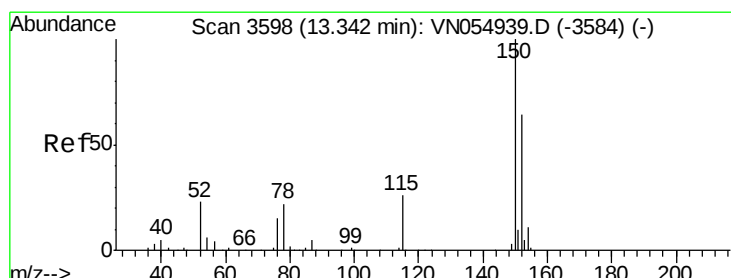
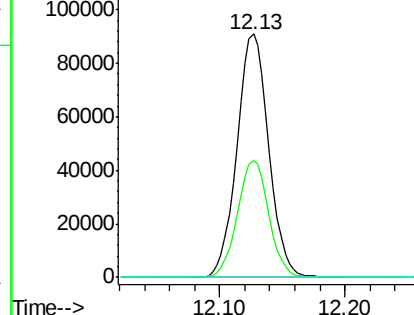
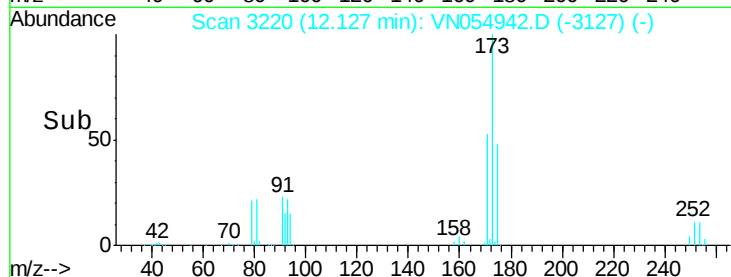
173 100

175 47.3 24.1 72.4

254 0.1 0.0 0.0#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN054942.D

Acq: 4 Apr 2019 12:24

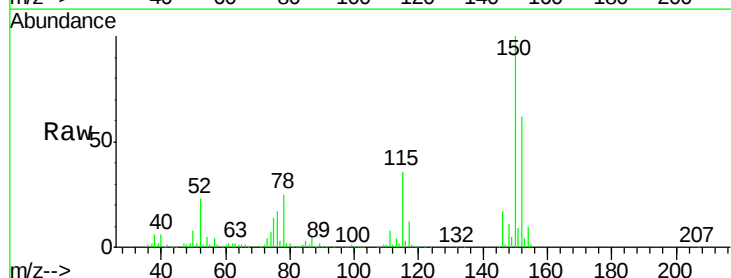
Tgt Ion:152 Resp: 300686

Ion Ratio Lower Upper

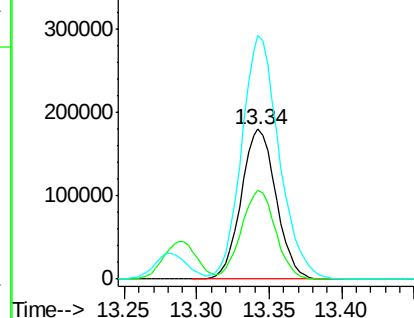
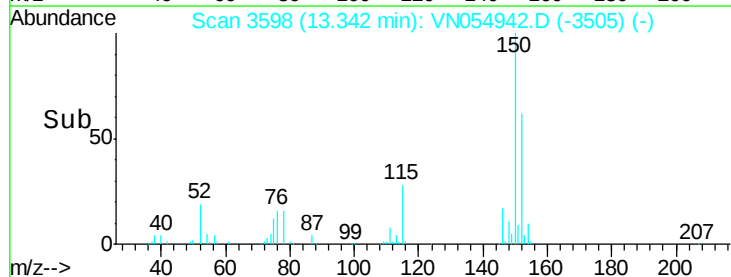
152 100

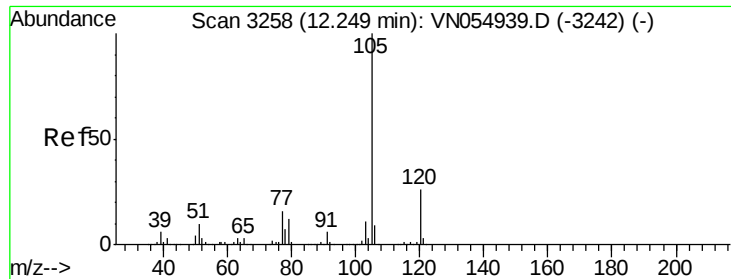
115 58.1 28.9 86.8

150 174.2 0.0 345.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 47.205 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054942.D

Acq: 4 Apr 2019 12:24

Instrument :

MSVOA_N

ClientSampleId :

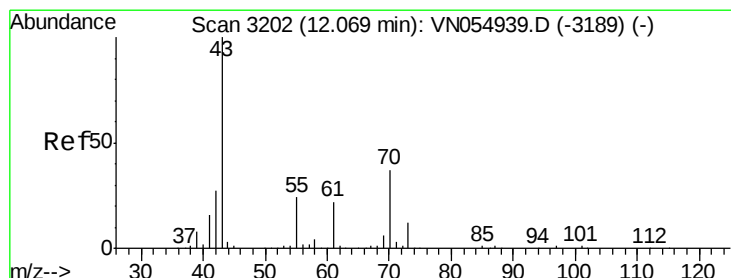
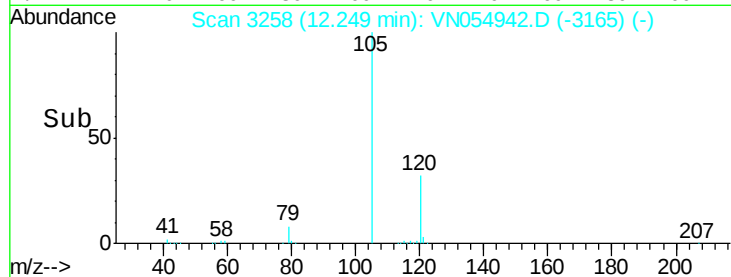
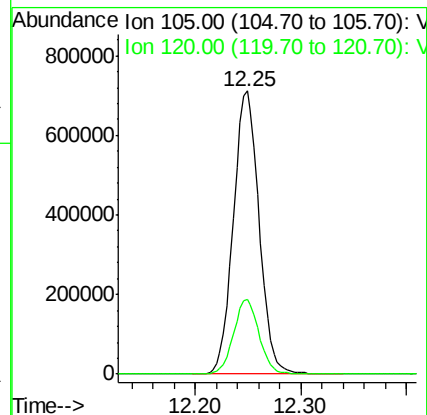
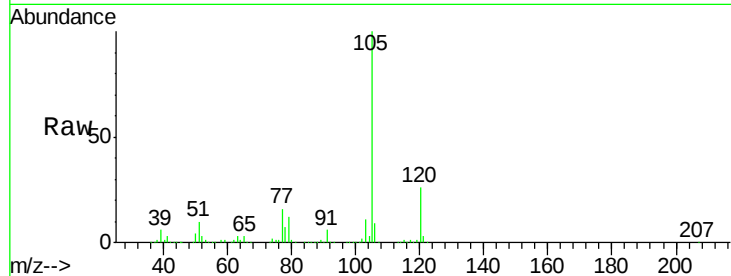
BFB

Tgt Ion:105 Resp: 1199033

Ion Ratio Lower Upper

105 100

120 26.2 13.0 39.0



#74

N-ethyl acetate

Concen: 55.854 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN054942.D

Acq: 4 Apr 2019 12:24

Tgt Ion: 43 Resp: 394342

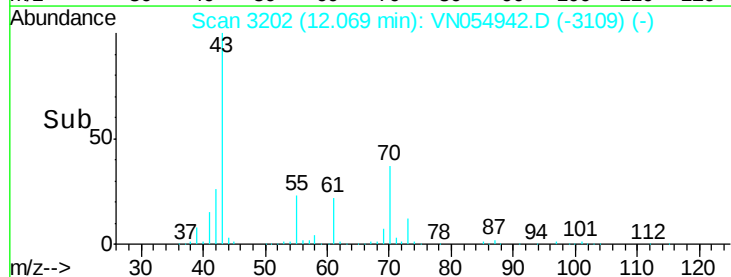
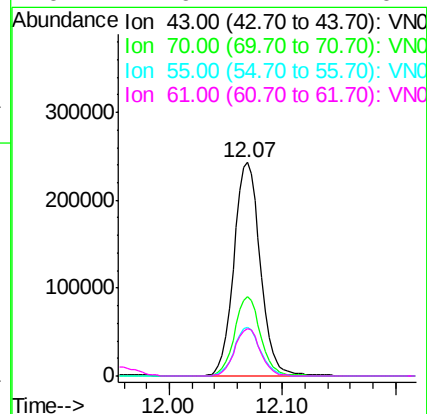
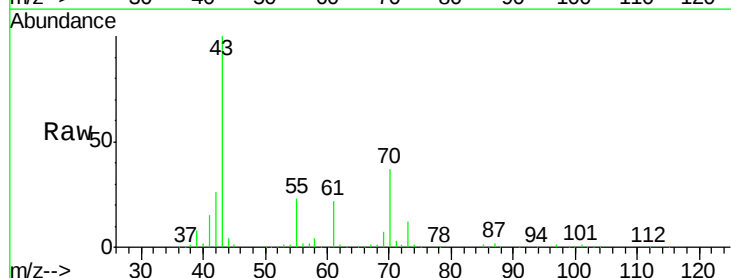
Ion Ratio Lower Upper

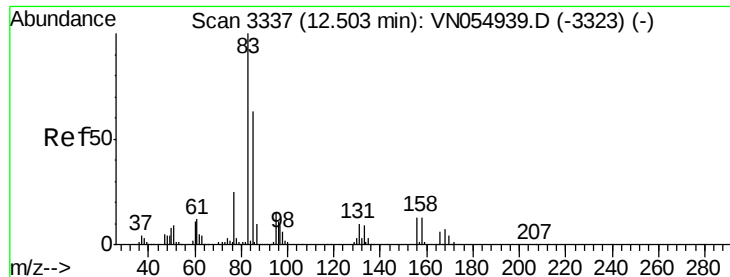
43 100

70 36.6 29.3 43.9

55 22.7 19.2 28.8

61 21.9 17.4 26.2





#75

1,1,2,2-Tetrachloroethane

Concen: 52.213 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN054942.D

Acq: 4 Apr 2019 12:24

Instrument :

MSVOA_N

ClientSampled :

BFB

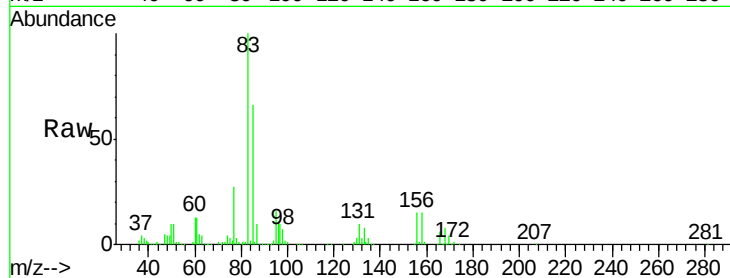
Tgt Ion: 83 Resp: 288421

Ion Ratio Lower Upper

83 100

131 10.4 5.0 15.0

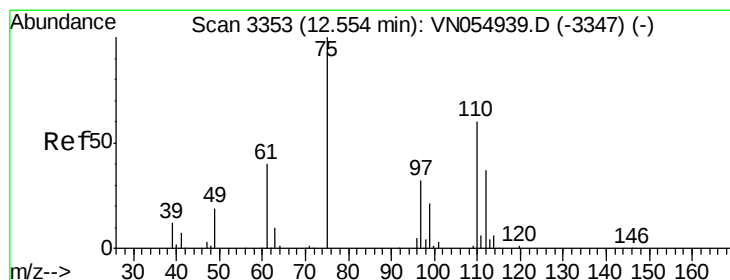
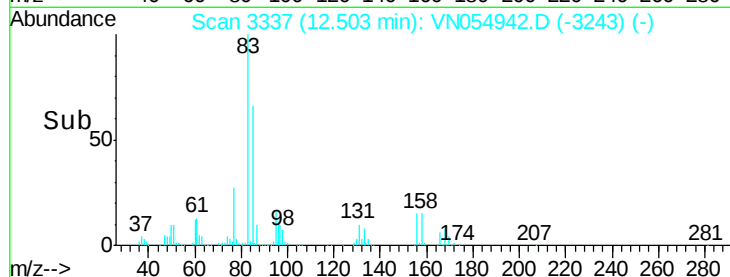
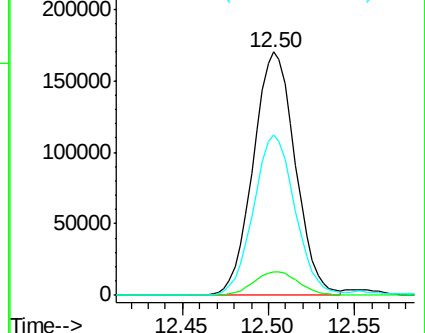
85 65.0 31.4 94.0



Abundance Ion 82.90 (82.60 to 83.60): VN054942.D (-3243) (-)

Ion 130.80 (130.50 to 131.50): VN054942.D (-3243) (-)

Ion 84.90 (84.60 to 85.60): VN054942.D (-3243) (-)



#76

1,2,3-Trichloropropane

Concen: 77.011 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN054942.D

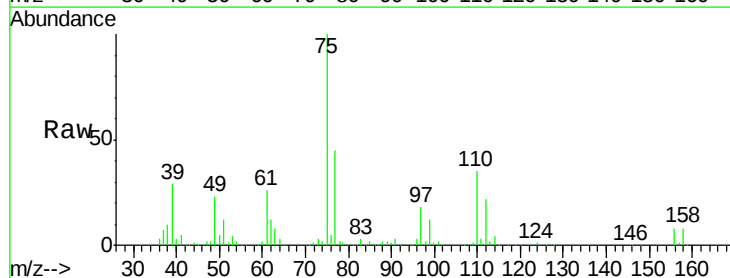
Acq: 4 Apr 2019 12:24

Tgt Ion: 75 Resp: 347115

Ion Ratio Lower Upper

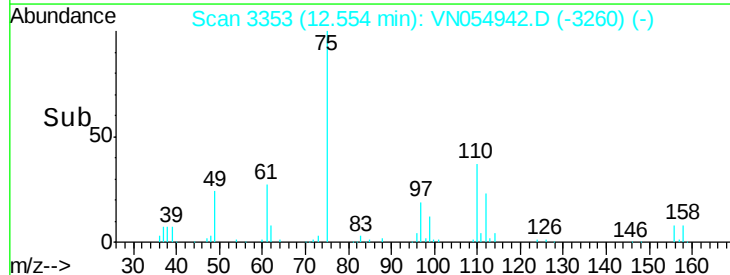
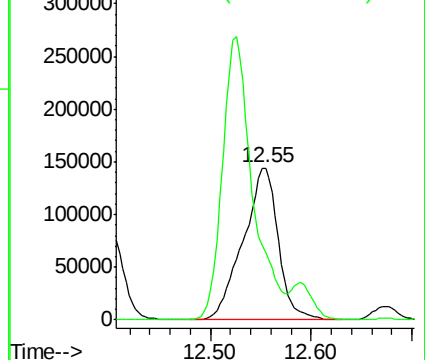
75 100

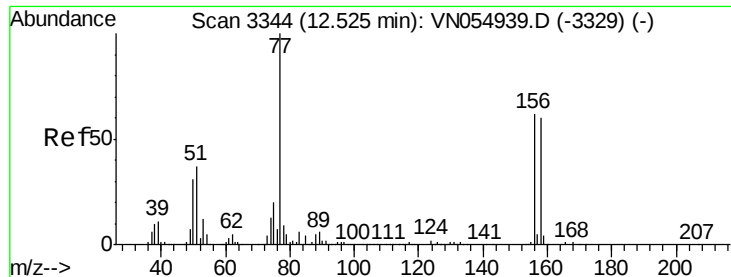
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN054942.D (-3260) (-)

Ion 77.00 (76.70 to 77.70): VN054942.D (-3260) (-)





#77

Bromobenzene

Concen: 47.619 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN054942.D

Acq: 4 Apr 2019 12:24

Instrument :

MSVOA_N

ClientSampled :

BFB

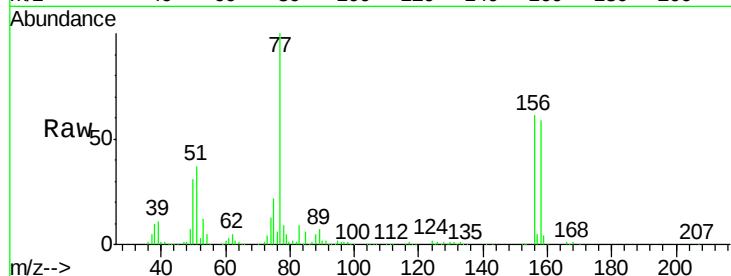
Tgt Ion:156 Resp: 292923

Ion Ratio Lower Upper

156 100

77 191.7 93.1 279.3

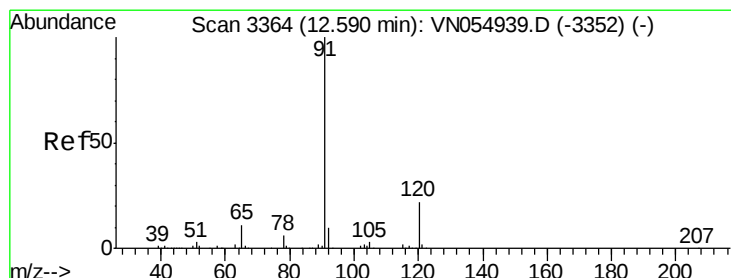
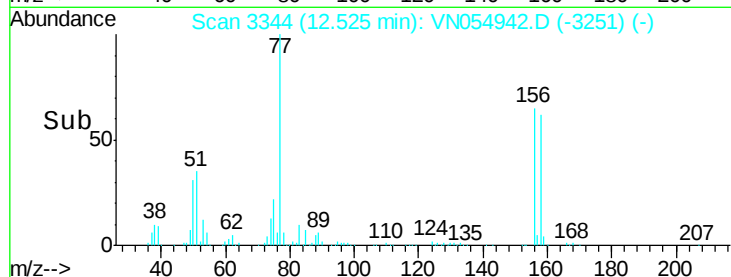
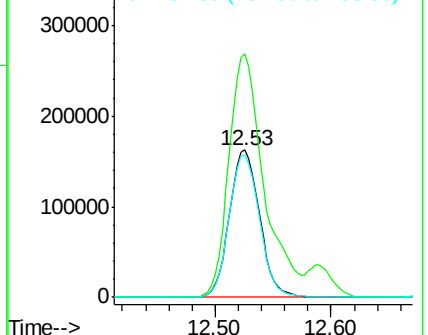
158 97.6 48.4 145.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 48.413 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN054942.D

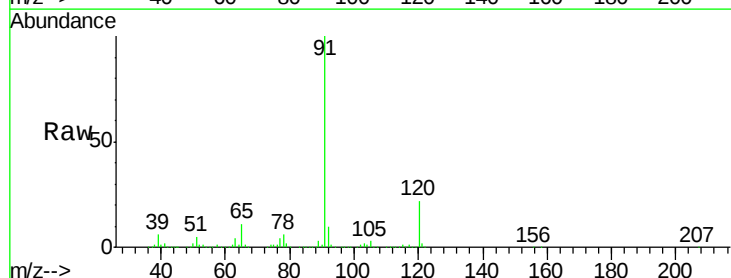
Acq: 4 Apr 2019 12:24

Tgt Ion: 91 Resp: 1354811

Ion Ratio Lower Upper

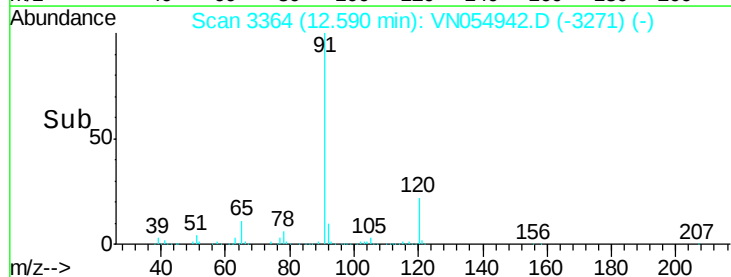
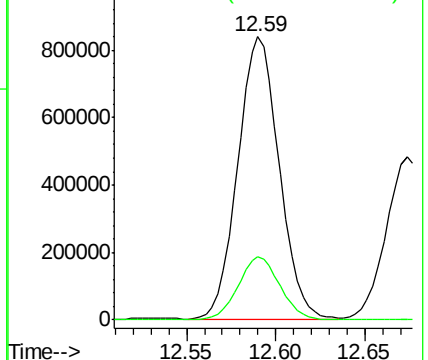
91 100

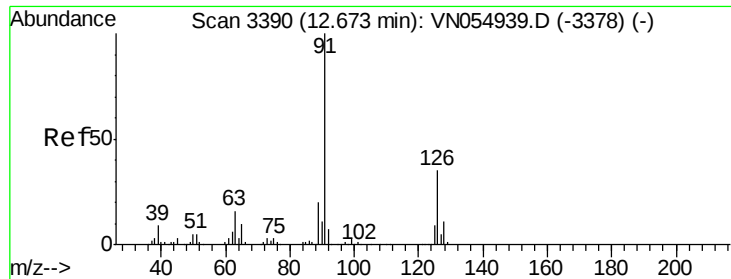
120 22.6 11.2 33.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 46.825 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN054942.D

Acq: 4 Apr 2019 12:24

Instrument :

MSVOA_N

ClientSampled :

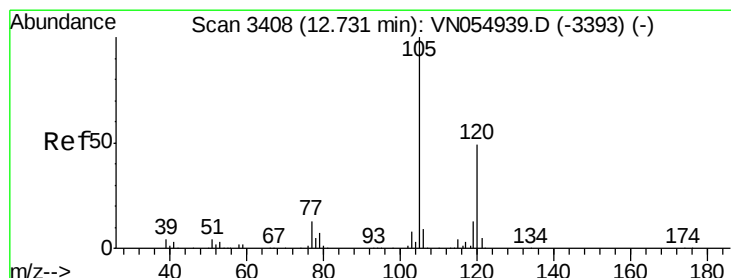
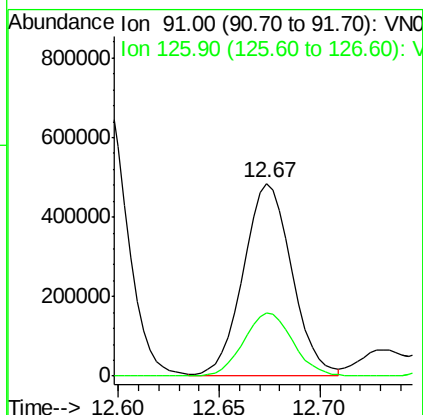
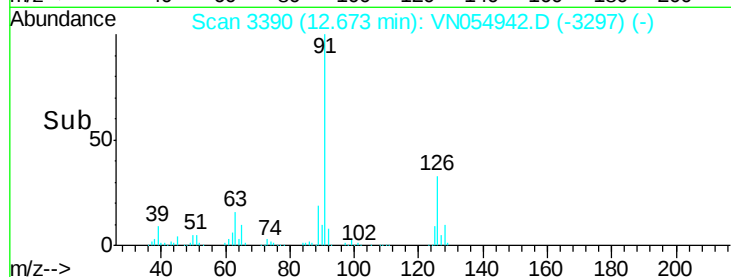
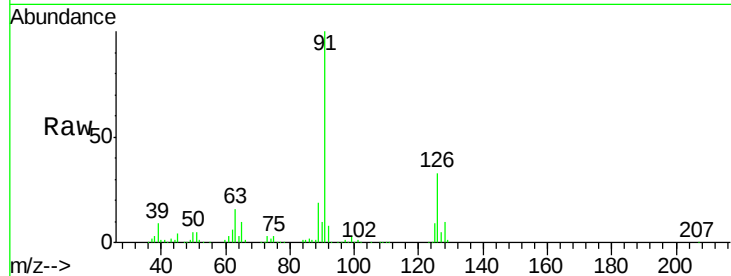
BFB

Tgt Ion: 91 Resp: 812110

Ion Ratio Lower Upper

91 100

126 33.7 17.4 52.2



#80

1,3,5-Trimethylbenzene

Concen: 47.441 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN054942.D

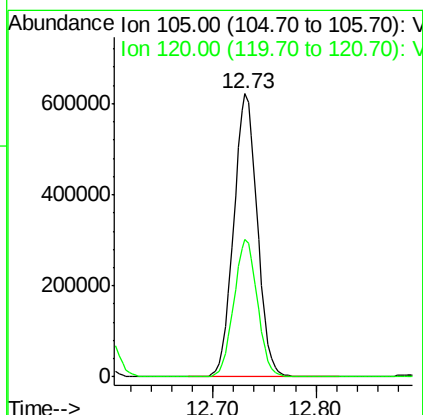
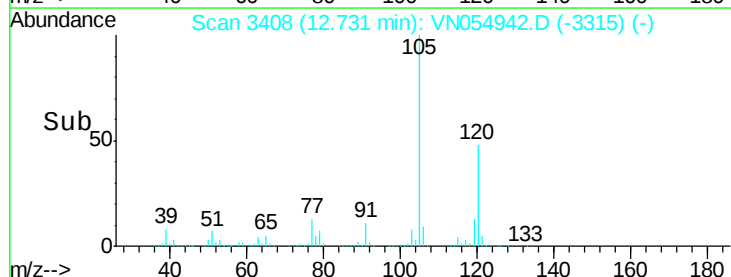
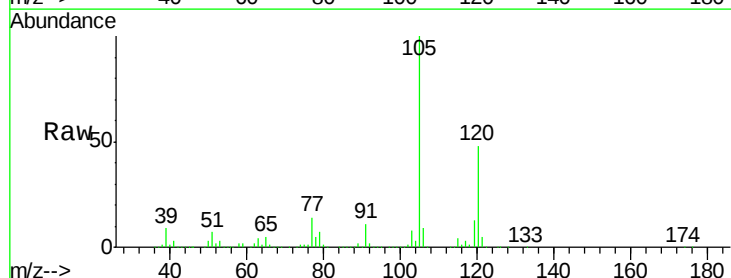
Acq: 4 Apr 2019 12:24

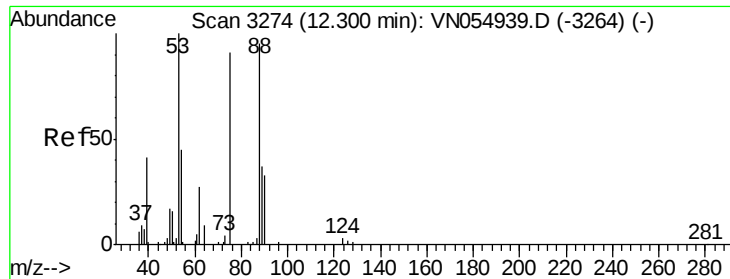
Tgt Ion: 105 Resp: 989644

Ion Ratio Lower Upper

105 100

120 48.6 24.1 72.3





#81

trans-1,4-Dichloro-2-butene

Concen: 55.012 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN054942.D

Acq: 4 Apr 2019 12:24

Instrument :

MSVOA_N

ClientSampled :

BFB

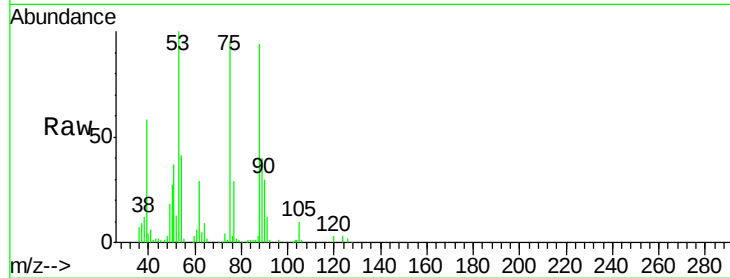
Tgt Ion: 75 Resp: 71610

Ion Ratio Lower Upper

75 100

53 110.7 92.8 139.2

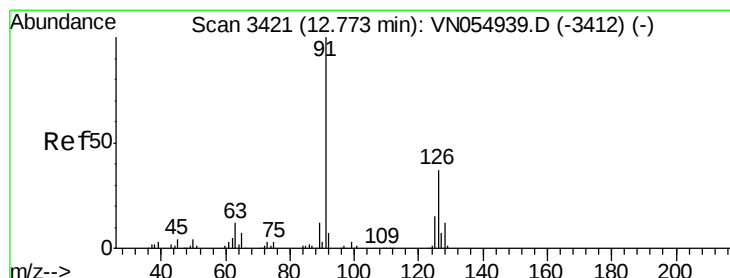
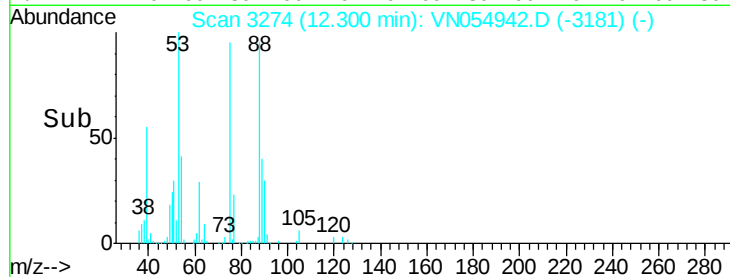
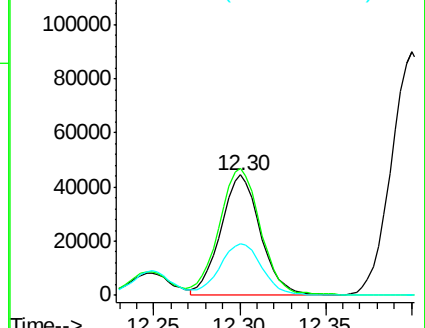
89 45.6 36.7 55.1



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 49.110 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN054942.D

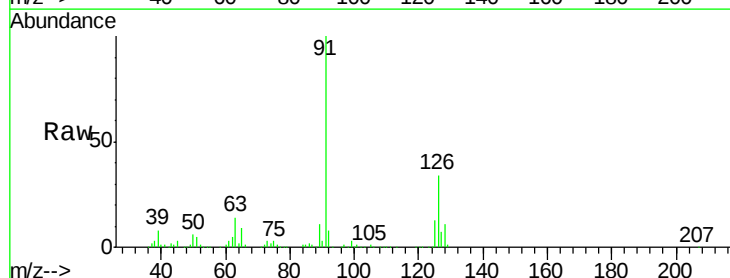
Acq: 4 Apr 2019 12:24

Tgt Ion: 91 Resp: 805612

Ion Ratio Lower Upper

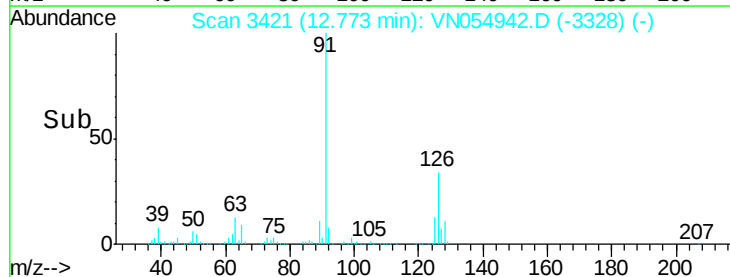
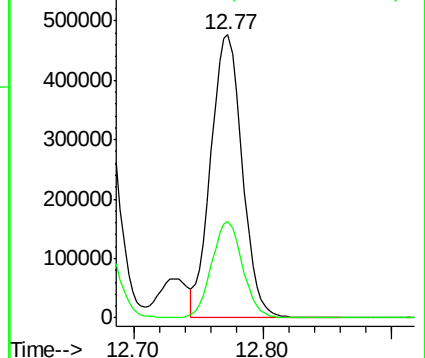
91 100

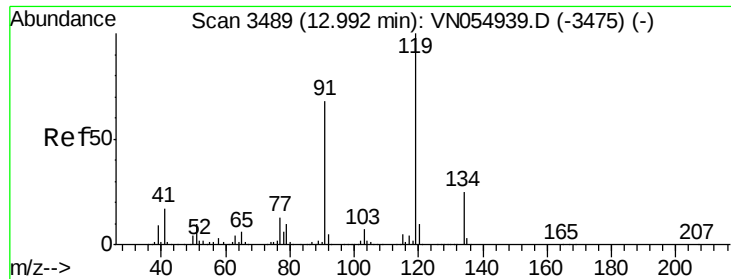
126 33.5 16.9 50.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

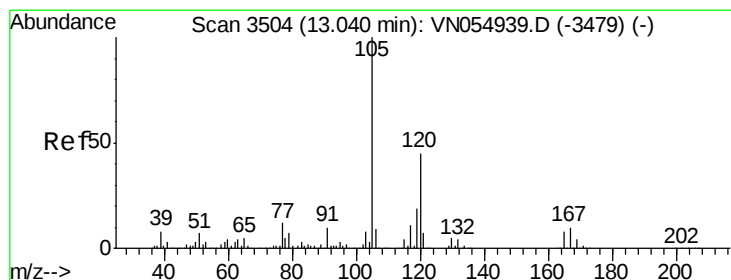
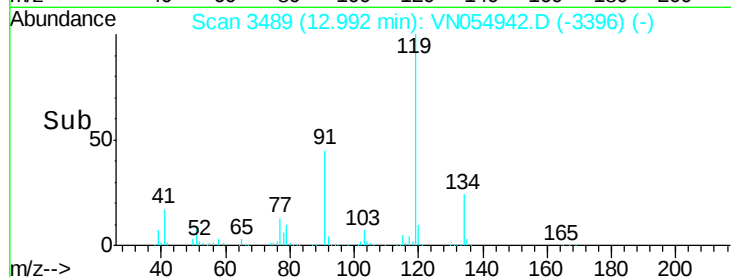
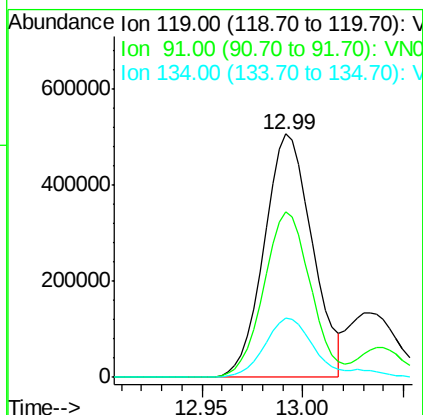
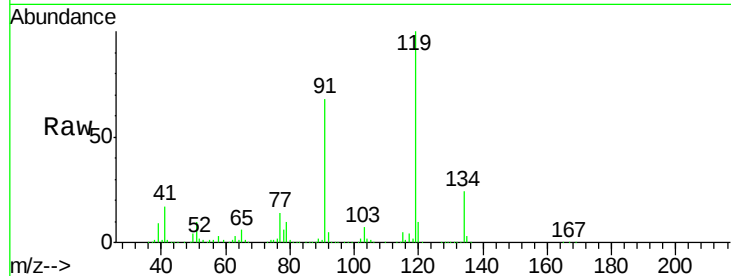




#83
 tert-Butylbenzene
 Concen: 47.217 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN054942.D
 Acq: 4 Apr 2019 12:24

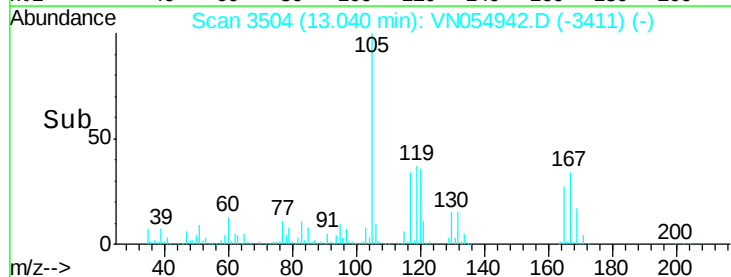
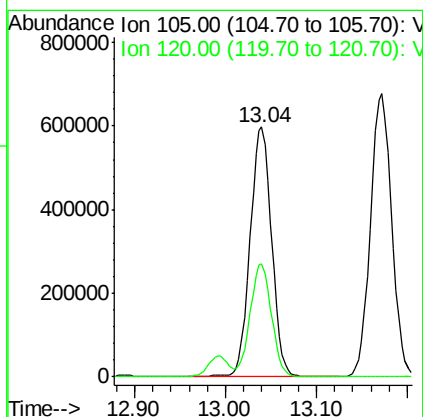
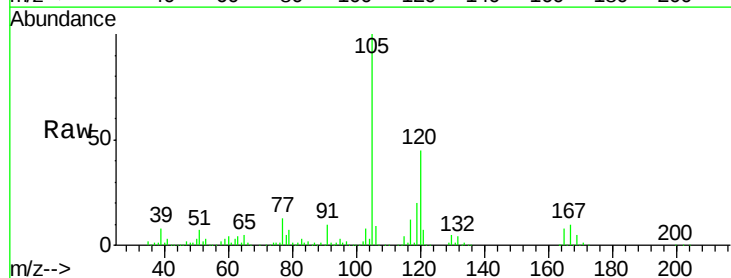
Instrument :
 MSVOA_N
 ClientSampled :
 BFB

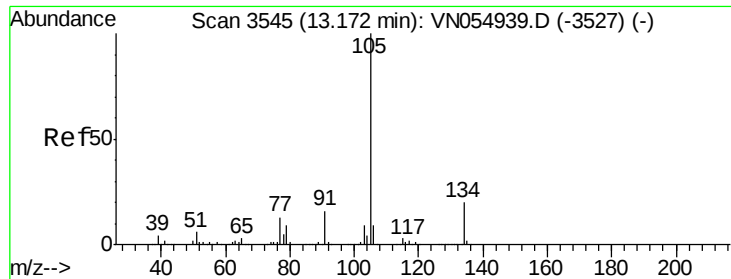
Tgt Ion:119 Resp: 837873
 Ion Ratio Lower Upper
 119 100
 91 66.3 33.5 100.5
 134 24.5 12.4 37.0



#84
 1,2,4-Trimethylbenzene
 Concen: 48.654 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN054942.D
 Acq: 4 Apr 2019 12:24

Tgt Ion:105 Resp: 981980
 Ion Ratio Lower Upper
 105 100
 120 44.7 22.4 67.3





#85

sec-Butylbenzene

Concen: 47.808 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN054942.D

Acq: 4 Apr 2019 12:24

Instrument :

MSVOA_N

ClientSampleId :

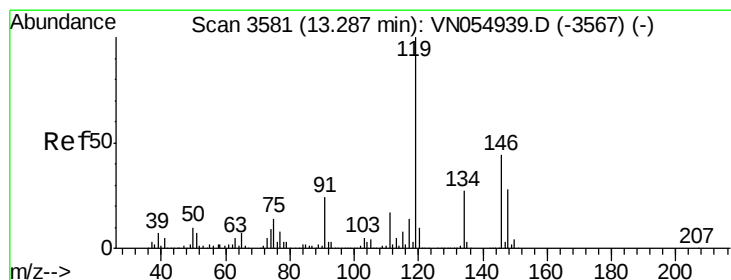
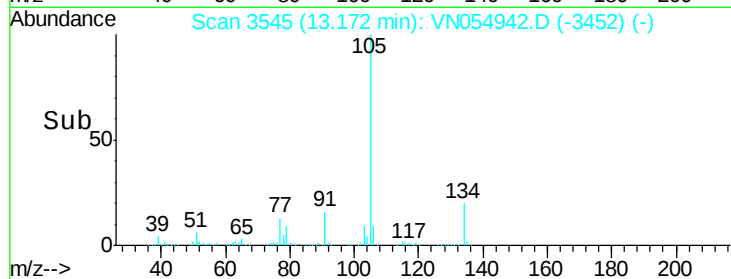
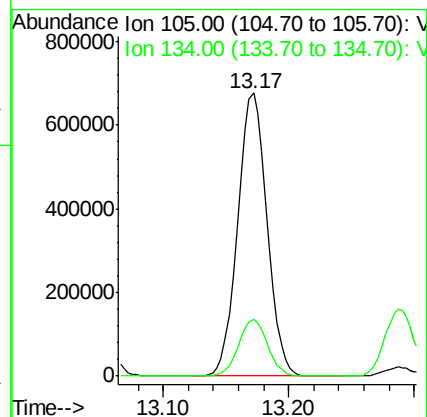
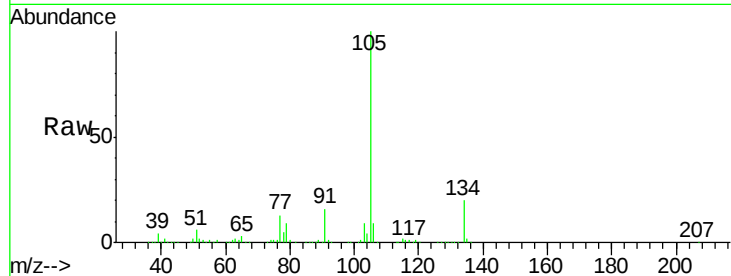
BFB

Tgt Ion:105 Resp: 1097319

Ion Ratio Lower Upper

105 100

134 19.9 9.8 29.5



#86

p-Isopropyltoluene

Concen: 49.150 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN054942.D

Acq: 4 Apr 2019 12:24

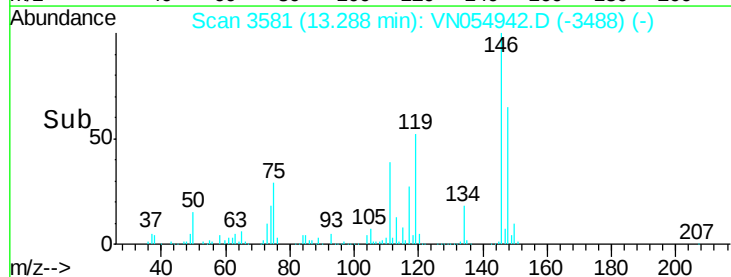
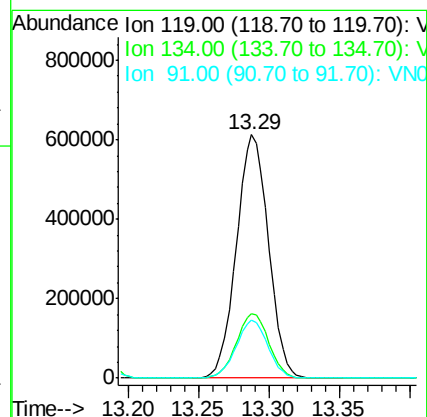
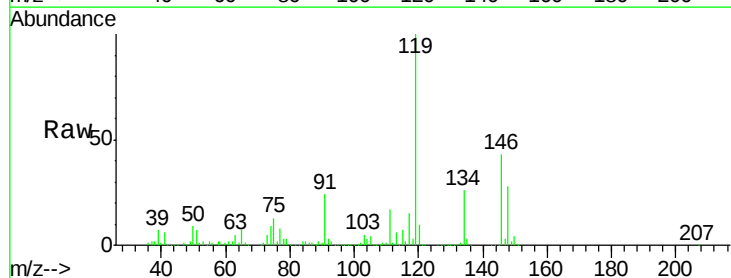
Tgt Ion:119 Resp: 972013

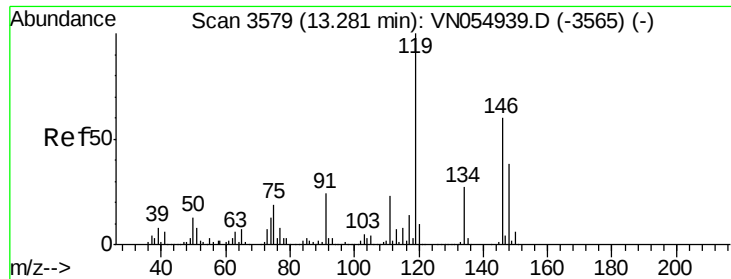
Ion Ratio Lower Upper

119 100

134 26.7 13.5 40.5

91 23.6 11.9 35.7

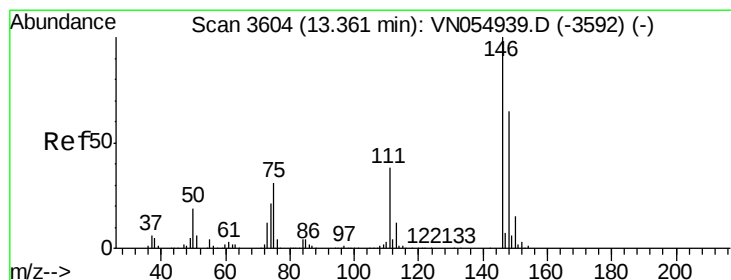
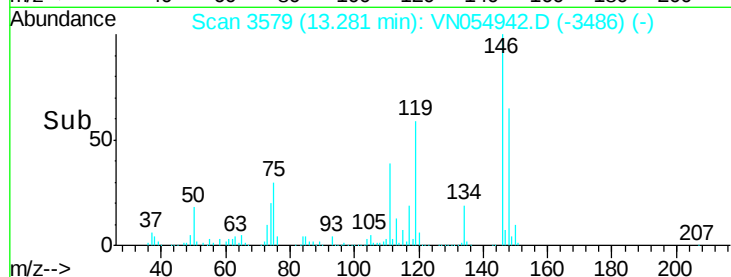
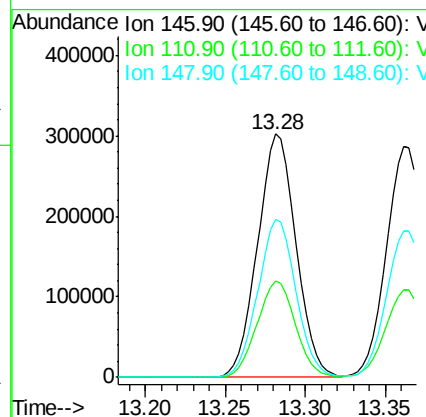
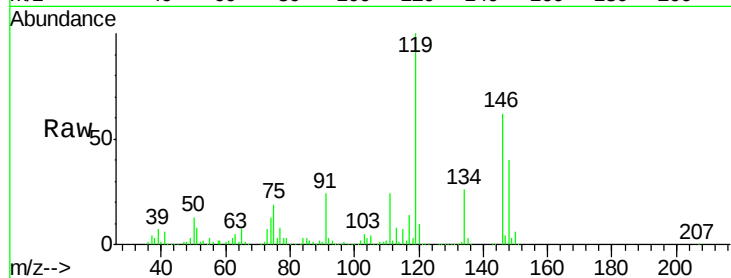




#87
 1,3-Dichlorobenzene
 Concen: 48.782 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN054942.D
 Acq: 4 Apr 2019 12:24

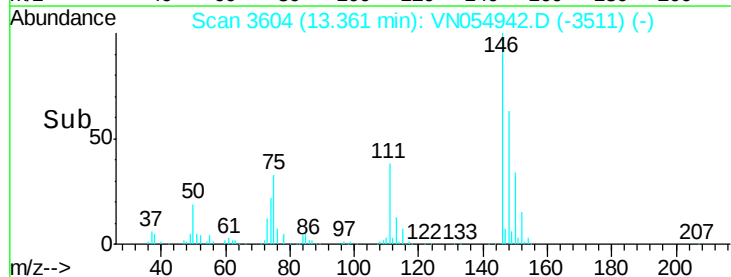
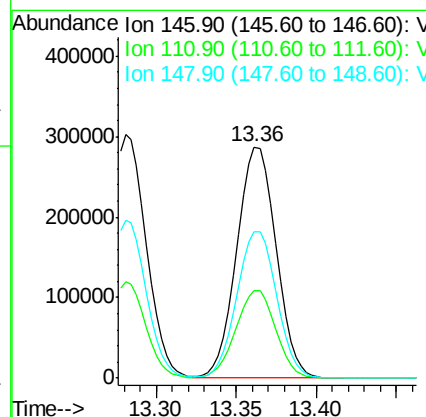
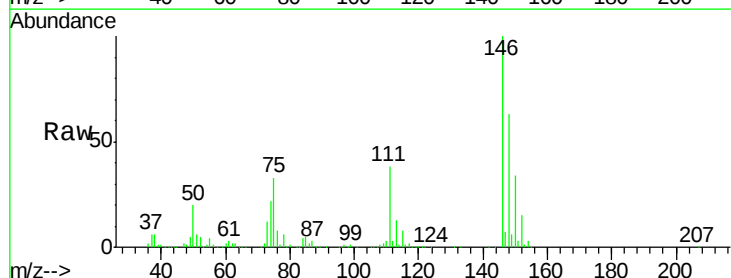
Instrument :
 MSVOA_N
 ClientSampleId :
 BFB

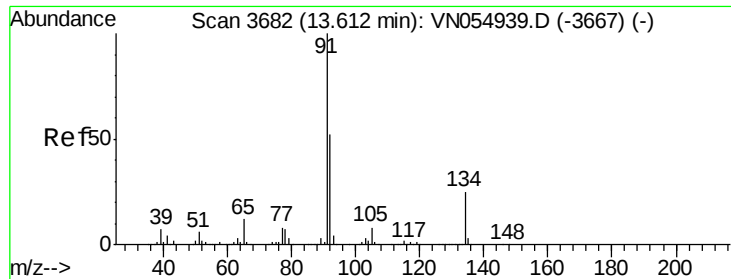
Tgt Ion:146 Resp: 499159
 Ion Ratio Lower Upper
 146 100
 111 39.5 19.6 58.7
 148 64.4 31.7 95.1



#88
 1,4-Dichlorobenzene
 Concen: 49.447 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN054942.D
 Acq: 4 Apr 2019 12:24

Tgt Ion:146 Resp: 481671
 Ion Ratio Lower Upper
 146 100
 111 38.5 19.2 57.6
 148 64.4 31.9 95.7





#89

n-Butylbenzene

Concen: 52.063 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN054942.D

Acq: 4 Apr 2019 12:24

Instrument :

MSVOA_N

ClientSampleId :

BFB

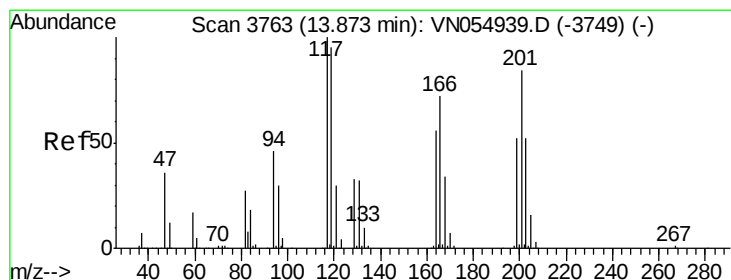
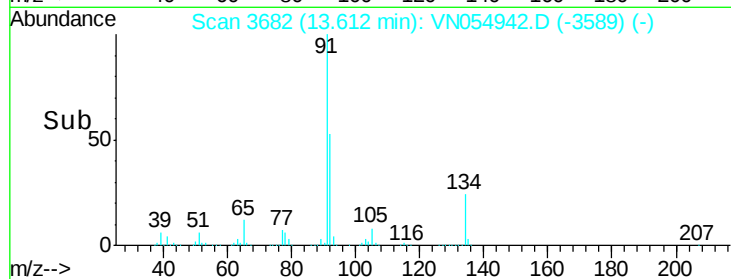
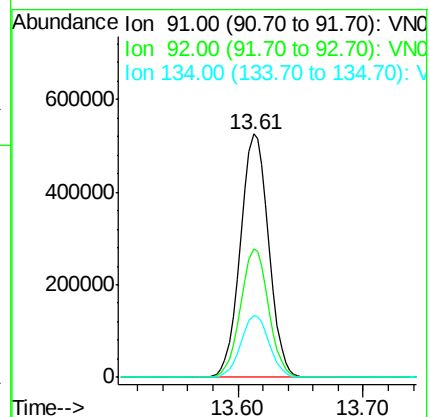
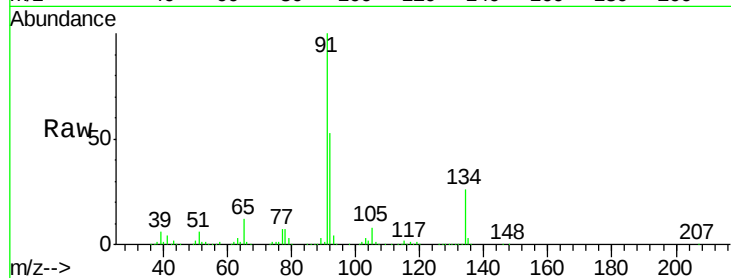
Tgt Ion: 91 Resp: 822863

Ion Ratio Lower Upper

91 100

92 52.3 26.1 78.2

134 25.4 12.6 37.8



#90

Hexachloroethane

Concen: 49.033 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN054942.D

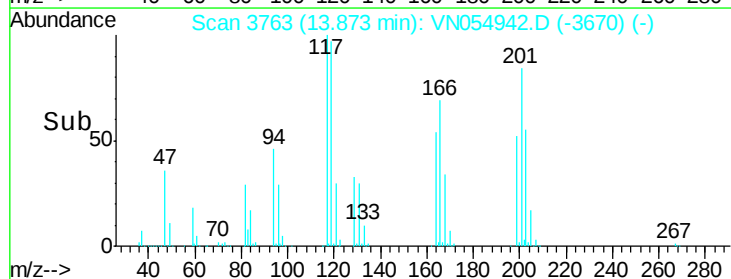
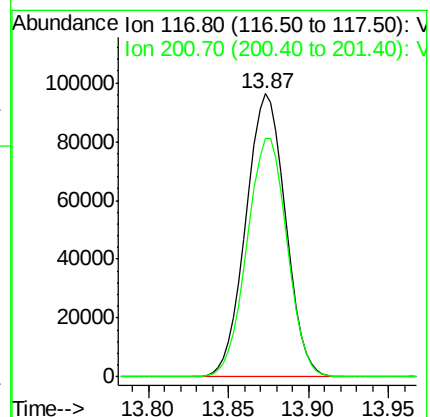
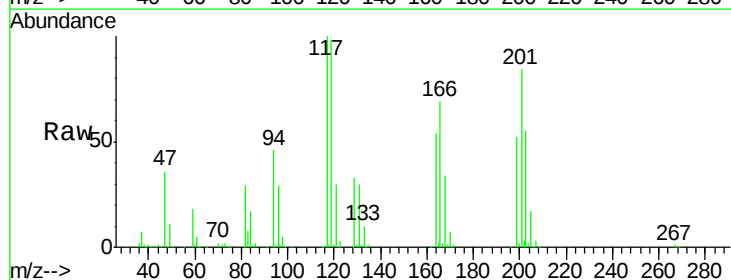
Acq: 4 Apr 2019 12:24

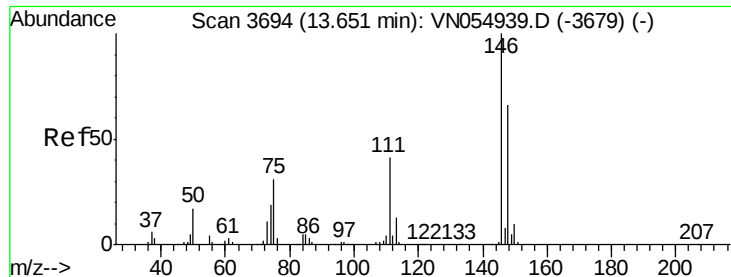
Tgt Ion: 117 Resp: 162890

Ion Ratio Lower Upper

117 100

201 85.3 42.5 127.6





#91

1,2-Dichlorobenzene

Concen: 48.495 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN054942.D

Acq: 4 Apr 2019 12:24

Instrument :

MSVOA_N

ClientSampleId :

BFB

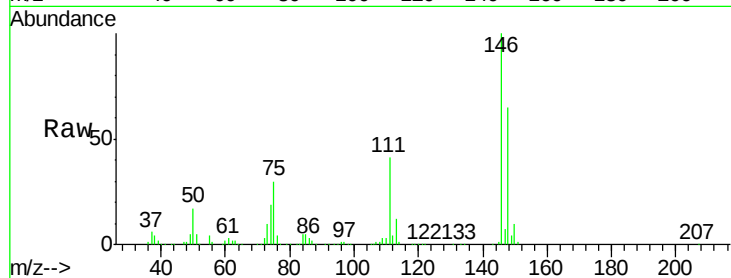
Tgt Ion:146 Resp: 487200

Ion Ratio Lower Upper

146 100

111 40.9 20.2 60.5

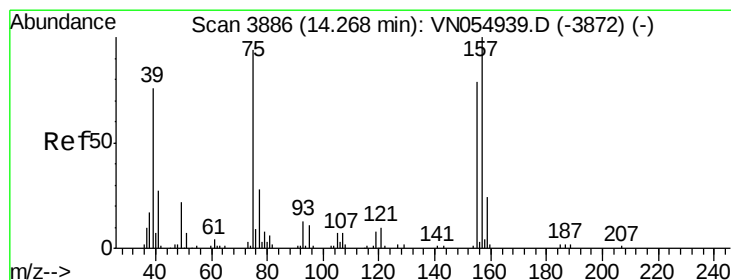
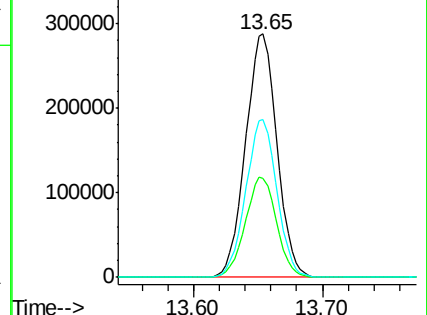
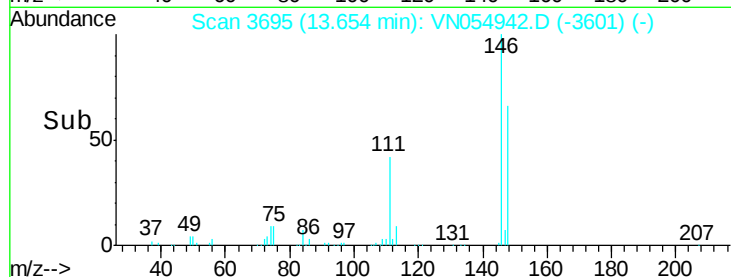
148 64.3 32.1 96.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 47.848 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN054942.D

Acq: 4 Apr 2019 12:24

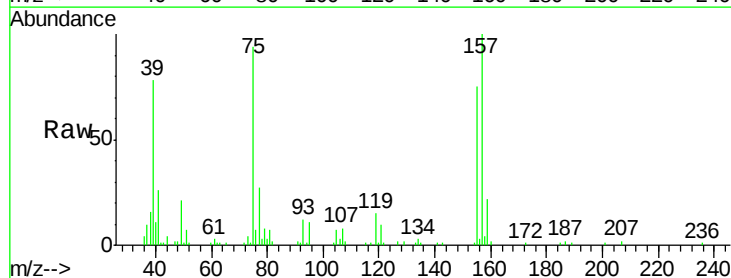
Tgt Ion: 75 Resp: 41602

Ion Ratio Lower Upper

75 100

155 84.5 41.5 124.6

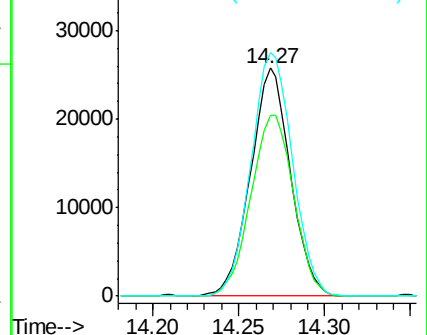
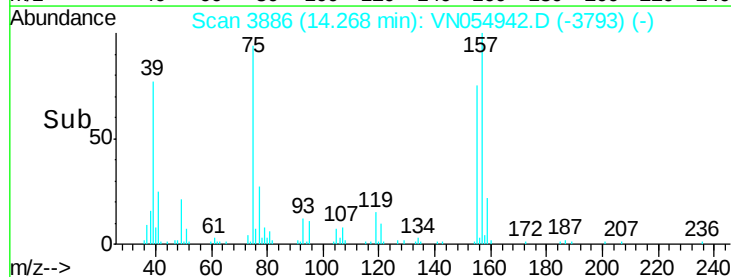
157 111.0 54.4 163.2

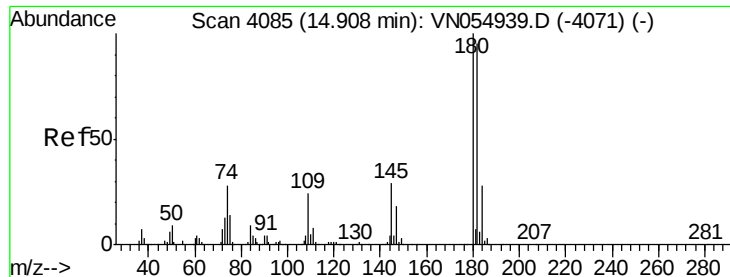


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

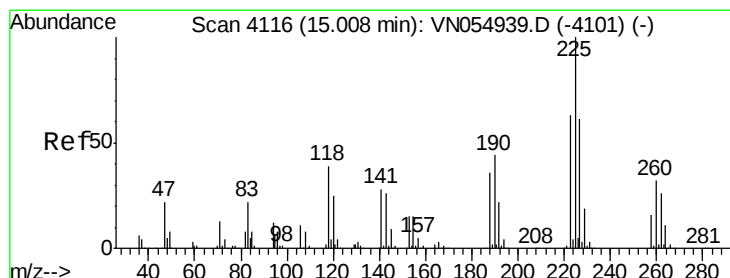
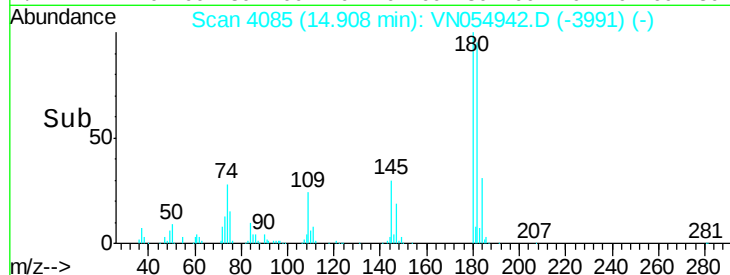
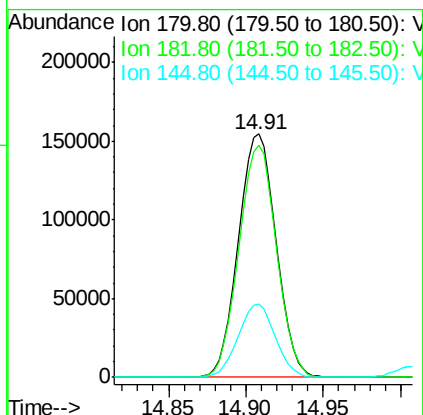
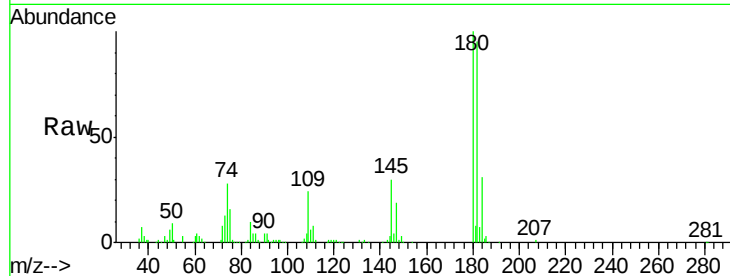




#93
 1,2,4-Trichlorobenzene
 Concen: 49.962 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN054942.D
 Acq: 4 Apr 2019 12:24

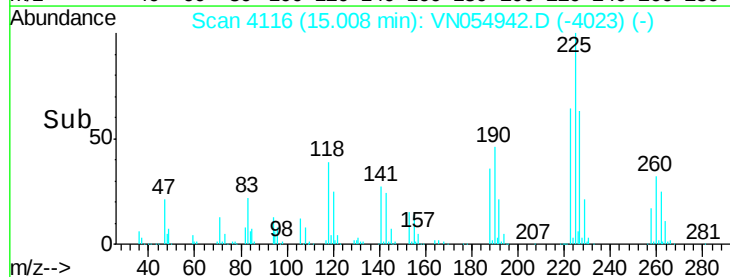
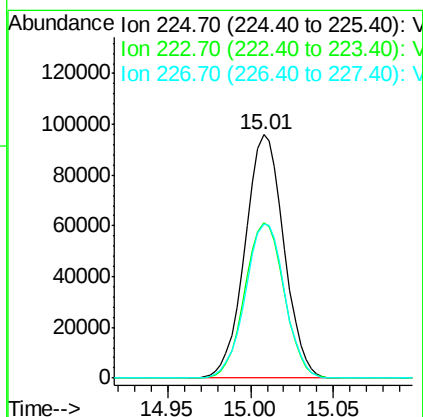
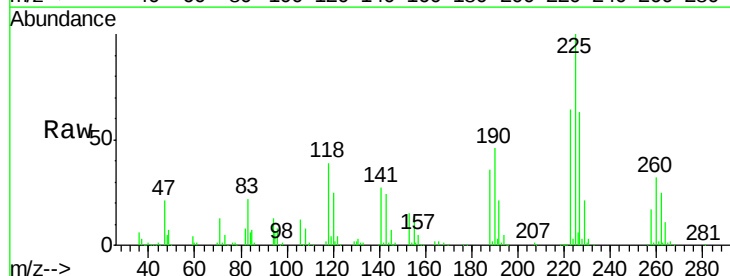
Instrument :
 MSVOA_N
 ClientSampleId :
 BFB

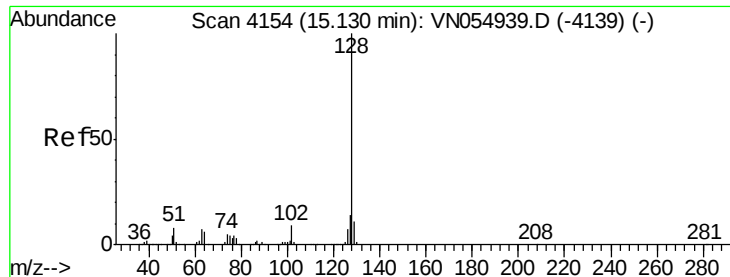
Tgt Ion:180 Resp: 262156
 Ion Ratio Lower Upper
 180 100
 182 95.2 47.5 142.6
 145 29.5 14.6 43.8



#94
 Hexachlorobutadiene
 Concen: 46.378 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN054942.D
 Acq: 4 Apr 2019 12:24

Tgt Ion:225 Resp: 155877
 Ion Ratio Lower Upper
 225 100
 223 64.8 31.1 93.5
 227 64.5 30.9 92.5

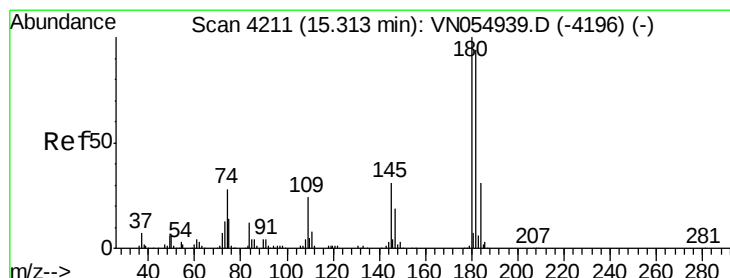
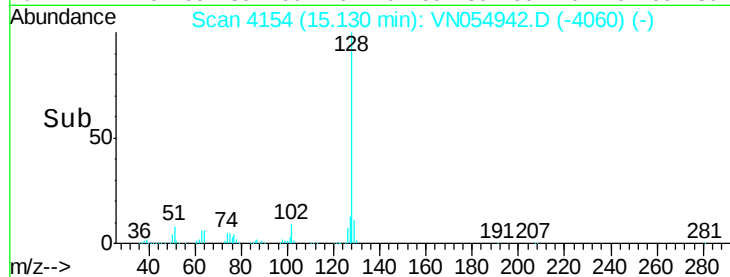
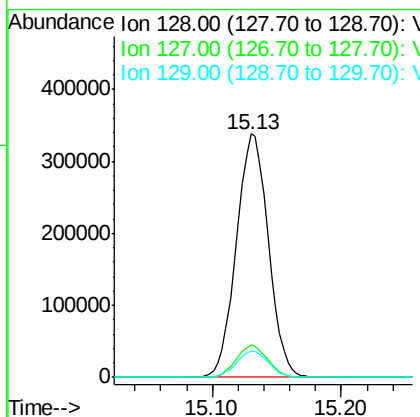
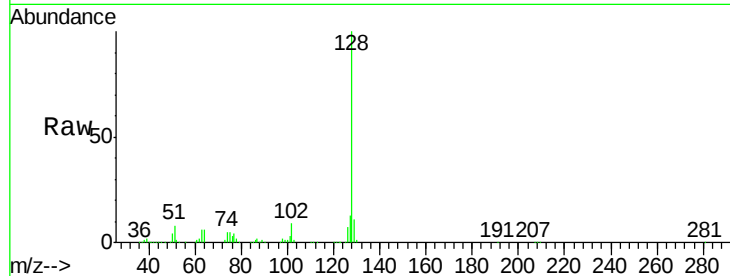




#95
Naphthalene
Concen: 51.297 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN054942.D
Acq: 4 Apr 2019 12:24

Instrument :
MSVOA_N
ClientSampled :
BFB

Tgt Ion:128 Resp: 584731
Ion Ratio Lower Upper
128 100
127 13.1 10.6 16.0
129 10.9 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 54.860 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN054942.D
Acq: 4 Apr 2019 12:24

Tgt Ion:180 Resp: 253094
Ion Ratio Lower Upper
180 100
182 98.0 47.5 142.5
145 31.7 15.6 46.8

