

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012819\
 Data File : VN053533.D
 Acq On : 28 Jan 2019 9:21
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 BFB

Quant Time: Jan 29 06:12:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011519W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 03:10:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	763828	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1116490	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	999112	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	505583	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	379321	50.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.48%	
35) Dibromofluoromethane	7.59	113	364426	57.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.38%	
50) Toluene-d8	10.09	98	1375567	51.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.10%	
62) 4-Bromofluorobenzene	12.40	95	487081	51.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	287203	46.767	ug/l	98
3) Chloromethane	2.06	50	417394	47.537	ug/l	99
4) Vinyl Chloride	2.19	62	395674	46.749	ug/l	100
5) Bromomethane	2.57	94	238655	41.095	ug/l	100
6) Chloroethane	2.71	64	242041	47.300	ug/l	99
7) Trichlorofluoromethane	3.02	101	553028	49.954	ug/l	100
8) Diethyl Ether	3.41	74	214155	51.504	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.76	101	363129	51.792	ug/l	99
10) Methyl Iodide	3.96	142	502831	46.931	ug/l	100
11) Tert butyl alcohol	4.77	59	121700	329.434	ug/l	100
12) 1,1-Dichloroethene	3.74	96	336000	49.408	ug/l	99
13) Acrolein	3.61	56	166718	232.979	ug/l	97
14) Allyl chloride	4.33	41	540961	48.973	ug/l	95
15) Acrylonitrile	4.99	53	661391	272.043	ug/l	99
16) Acetone	3.81	43	386611	218.264	ug/l	98
17) Carbon Disulfide	4.06	76	964331	46.892	ug/l	100
18) Methyl Acetate	4.32	43	329005	55.130	ug/l	100
19) Methyl tert-butyl Ether	5.04	73	957047	52.966	ug/l	100
20) Methylene Chloride	4.55	84	398549	49.283	ug/l	99
21) trans-1,2-Dichloroethene	5.05	96	369045	50.760	ug/l	98
22) Diisopropyl ether	5.95	45	1167203	50.616	ug/l	97
23) Vinyl Acetate	5.90	43	3774482	266.273	ug/l	100
24) 1,1-Dichloroethane	5.85	63	703605	51.614	ug/l	100
25) 2-Butanone	6.83	43	691212	253.229	ug/l	100
26) 2,2-Dichloropropane	6.82	77	547691	53.212	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	436371	52.487	ug/l	99
28) Bromochloromethane	7.19	49	302549	50.378	ug/l	99
29) Tetrahydrofuran	7.21	42	480107	270.183	ug/l	99
30) Chloroform	7.37	83	693921	52.245	ug/l	100
31) Cyclohexane	7.65	56	633101	47.711	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	587387	52.134	ug/l	100
36) 1,1-Dichloropropene	7.79	75	537863	52.898	ug/l	99
37) Ethyl Acetate	6.93	43	325169	55.585	ug/l	100
38) Carbon Tetrachloride	7.77	117	525083	54.546	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	656985	52.276	ug/l	99
40) Benzene	8.04	78	1621139	52.466	ug/l	100
41) Methacrylonitrile	7.17	41	181553	52.199	ug/l	94
42) 1,2-Dichloroethane	8.12	62	479231	53.238	ug/l	100
43) Isopropyl Acetate	8.16	43	572172	54.395	ug/l	99
44) Trichloroethene	8.84	130	455027	53.103	ug/l	99
45) 1,2-Dichloropropane	9.12	63	428808	52.395	ug/l	99
46) Dibromomethane	9.21	93	250462	53.266	ug/l	98
47) Bromodichloromethane	9.40	83	543261	54.939	ug/l	99
48) Methyl methacrylate	9.20	41	278418	51.263	ug/l	94
49) 1,4-Dioxane	9.20	88	82364	1552.806	ug/l	96
51) 4-Methyl-2-Pentanone	9.98	43	1569283	273.289	ug/l	99
52) Toluene	10.16	92	1003518	52.314	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	559998	55.872	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	653577	55.626	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	364633	55.135	ug/l	99
56) Ethyl methacrylate	10.43	69	460621	49.115	ug/l	100
57) 1,3-Dichloropropane	10.71	76	613049	53.586	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	1271300	274.775	ug/l	100
59) 2-Hexanone	10.75	43	1068627	265.104	ug/l	100
60) Dibromochloromethane	10.90	129	417052	55.599	ug/l	100
61) 1,2-Dibromoethane	11.01	107	357708	53.480	ug/l	99
64) Tetrachloroethene	10.63	164	437714	46.488	ug/l	99
65) Chlorobenzene	11.43	112	1129415	53.406	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	397621	54.046	ug/l	100
67) Ethyl Benzene	11.51	91	1908206	52.945	ug/l	100
68) m/p-Xylenes	11.62	106	1473130	108.258	ug/l	100
69) o-Xylene	11.95	106	714199	54.015	ug/l	99
70) Styrene	11.96	104	1190372	55.471	ug/l	99
71) Bromoform	12.13	173	285807	56.429	ug/l #	99
73) Isopropylbenzene	12.25	105	1899169	51.295	ug/l	99
74) N-amyl acetate	12.07	43	492227	49.872	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	439948	56.658	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	556007	83.452	ug/l #	100
77) Bromobenzene	12.53	156	501395	51.394	ug/l	99
78) n-propylbenzene	12.59	91	2233807	52.561	ug/l	100
79) 2-Chlorotoluene	12.68	91	1293858	51.362	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1589700	52.772	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	129399	49.194	ug/l	95
82) 4-Chlorotoluene	12.77	91	1349867	52.545	ug/l	99
83) tert-Butylbenzene	12.99	119	1394683	52.420	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1630826	53.692	ug/l	99
85) sec-Butylbenzene	13.17	105	1940862	53.191	ug/l	99
86) p-Isopropyltoluene	13.29	119	1732272	54.676	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	914951	53.315	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	912757	53.024	ug/l	99
89) n-Butylbenzene	13.62	91	1546832	57.276	ug/l	100
90) Hexachloroethane	13.88	117	264316	53.194	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	868066	54.982	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	65113	66.133	ug/l	99

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Response via : Initial Calibration

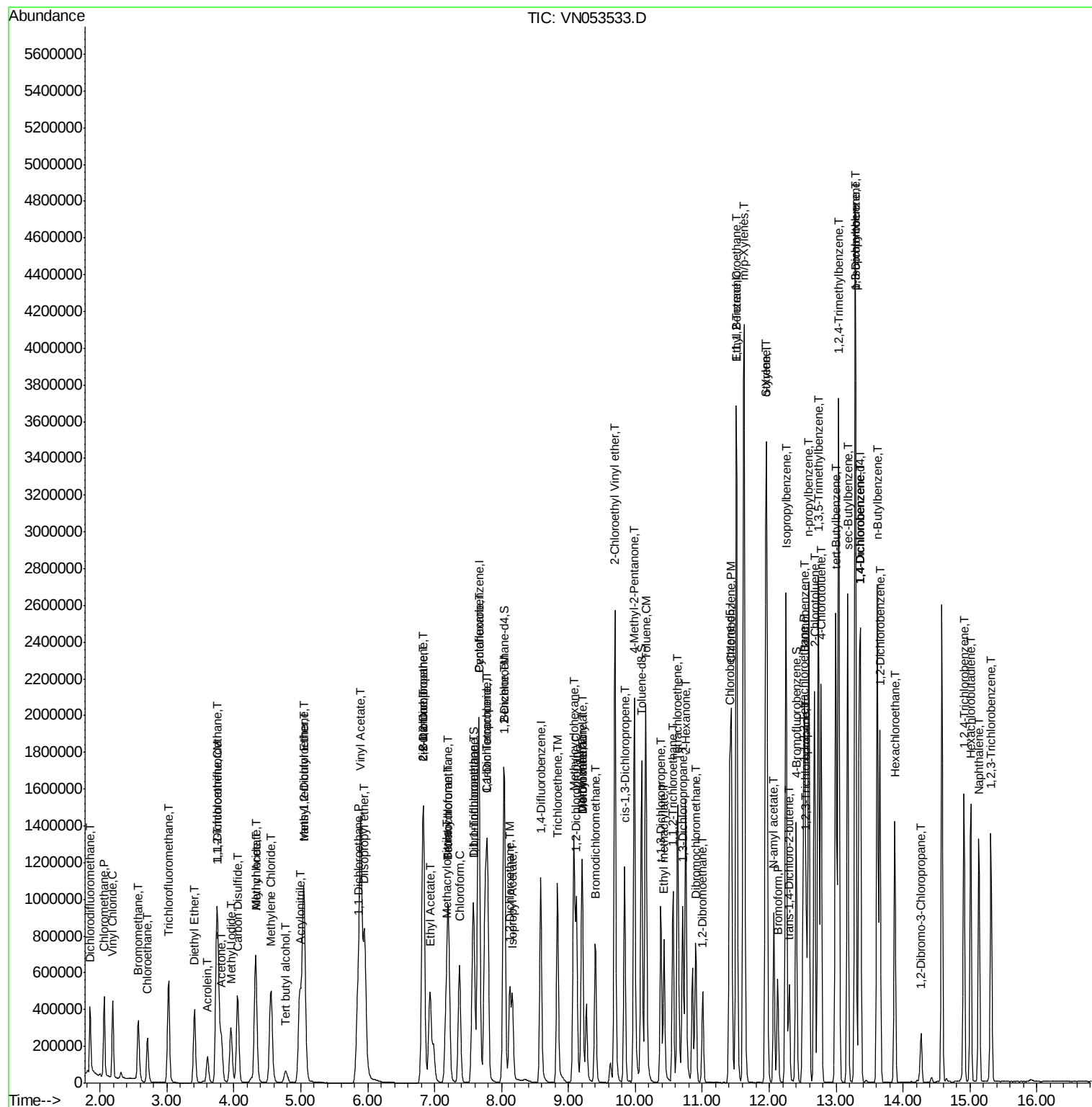
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	558280	78.474	ug/l	100
94) Hexachlorobutadiene	15.01	225	329027	66.806	ug/l	100
95) Naphthalene	15.13	128	1175812	92.564	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	514804	97.014	ug/l	99

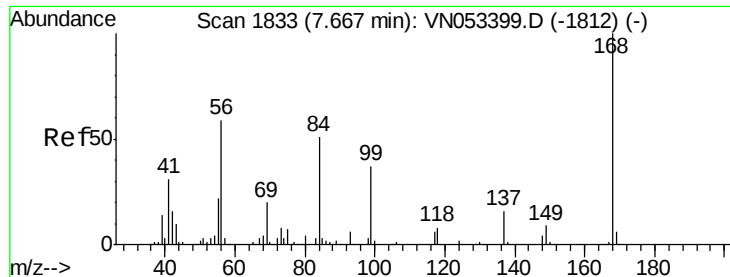
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN053533.D

Acq: 28 Jan 2019 9:21

Instrument :

MSVOA_N

ClientSampled :

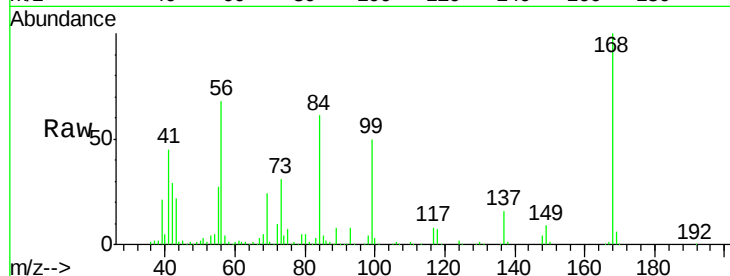
BFB

Tot Ion:168 Resp: 763828

Ion Ratio Lower Upper

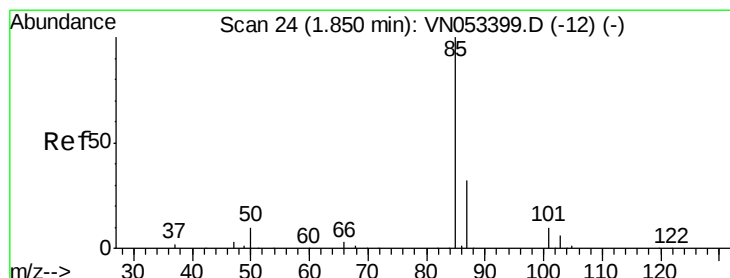
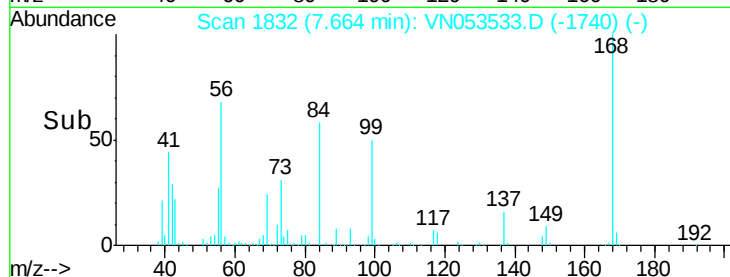
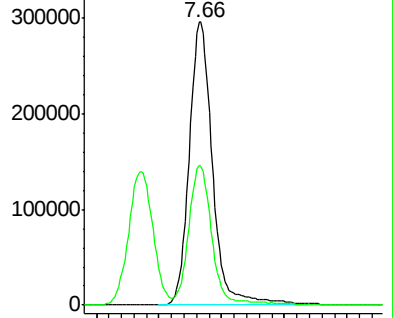
168 100

99 49.3 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 46.767 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053533.D

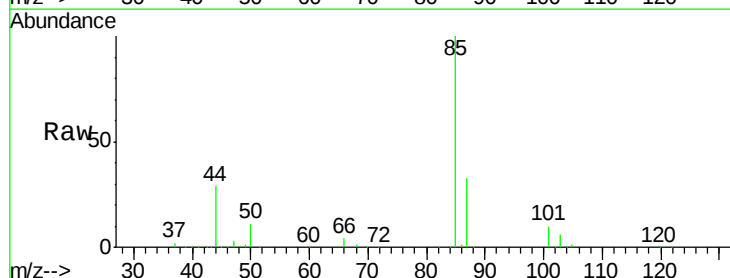
Acq: 28 Jan 2019 9:21

Tgt Ion: 85 Resp: 287203

Ion Ratio Lower Upper

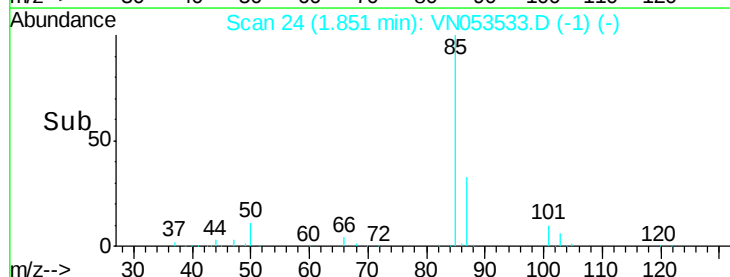
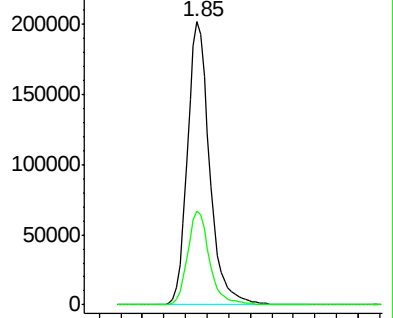
85 100

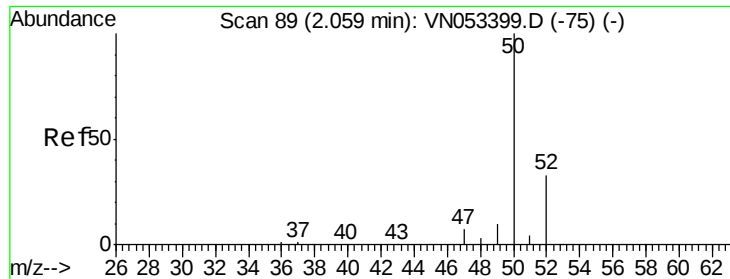
87 33.2 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 47.537 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN053533.D

Acq: 28 Jan 2019 9:21

Instrument :

MSVOA_N

ClientSampleId :

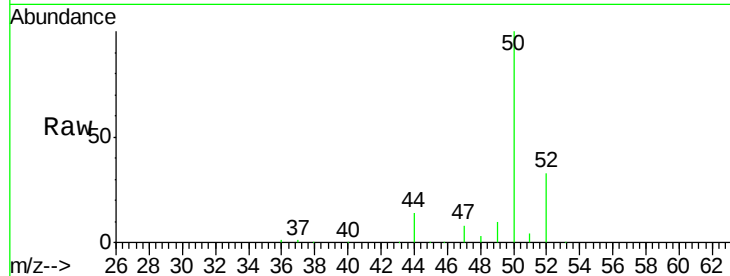
BFB

Tot Ion: 50 Resp: 417394

Ion Ratio Lower Upper

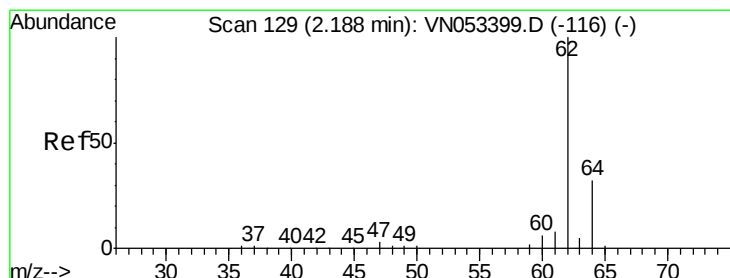
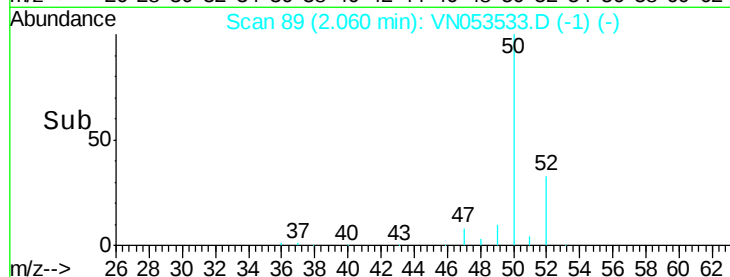
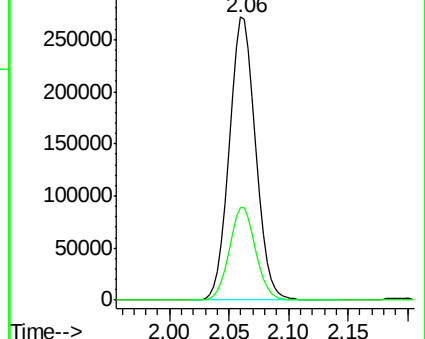
50 100

52 32.7 26.6 40.0



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 46.749 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN053533.D

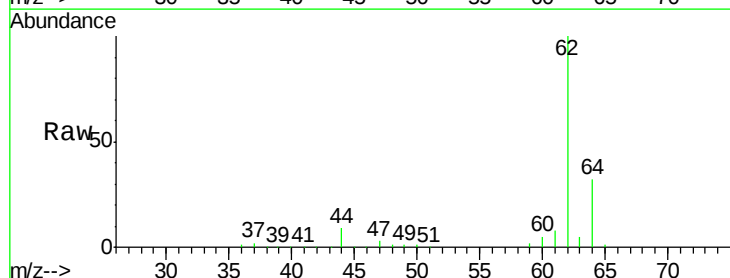
Acq: 28 Jan 2019 9:21

Tgt Ion: 62 Resp: 395674

Ion Ratio Lower Upper

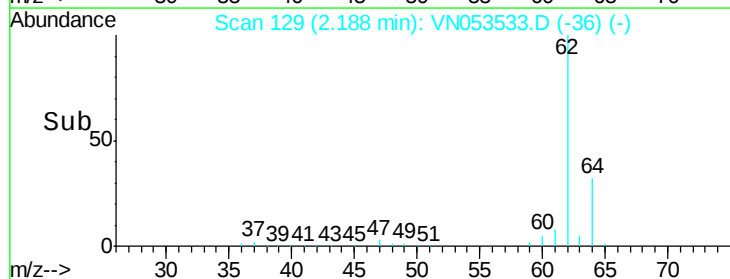
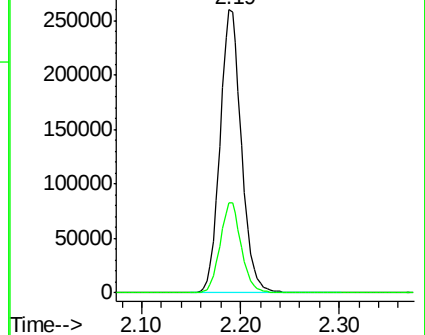
62 100

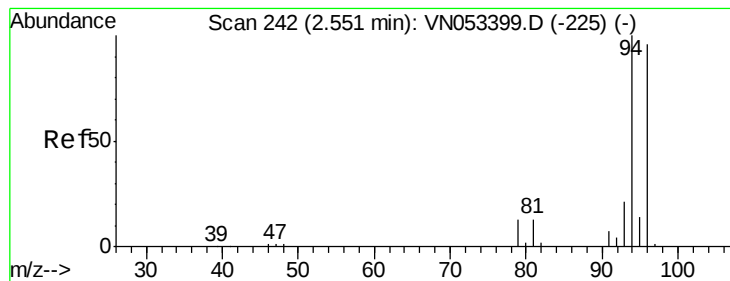
64 32.0 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 41.095 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.02 min

Lab File: VN053533.D

Acq: 28 Jan 2019 9:21

Instrument :

MSVOA_N

ClientSampled :

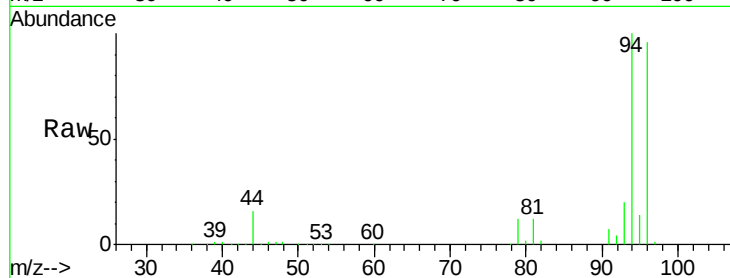
BFB

Tot Ion: 94 Resp: 238655

Ion Ratio Lower Upper

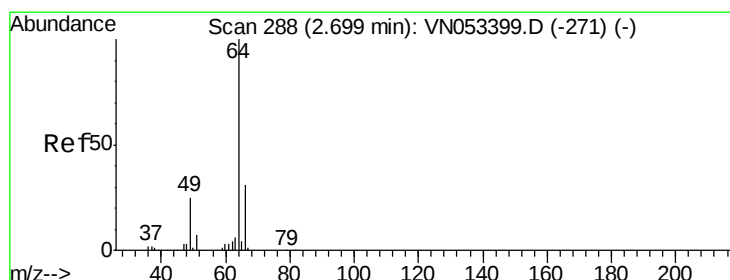
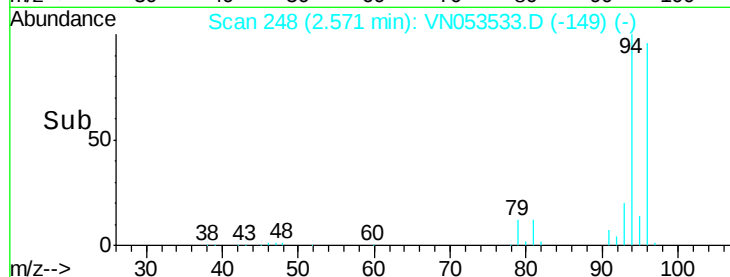
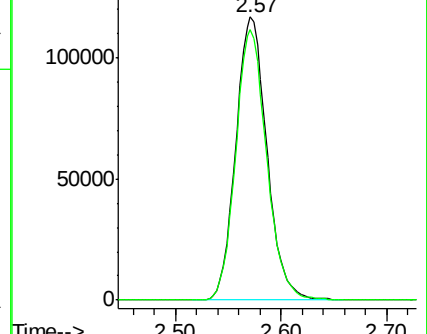
94 100

96 95.8 76.8 115.2



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 47.300 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.01 min

Lab File: VN053533.D

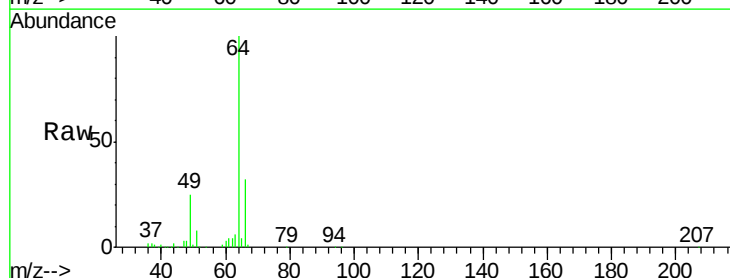
Acq: 28 Jan 2019 9:21

Tgt Ion: 64 Resp: 242041

Ion Ratio Lower Upper

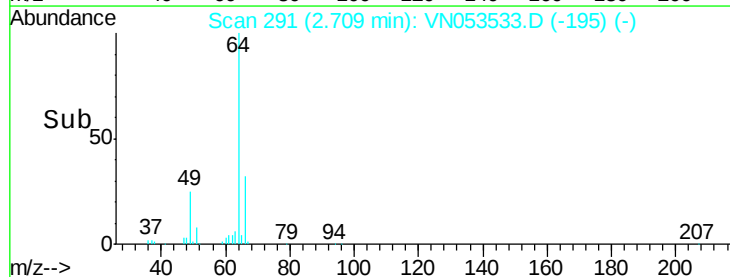
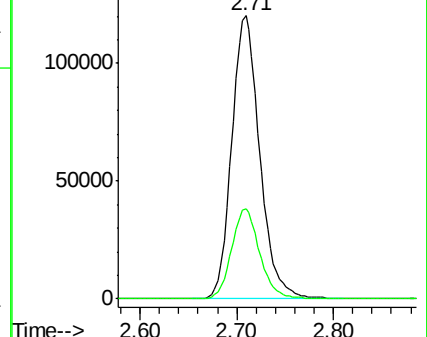
64 100

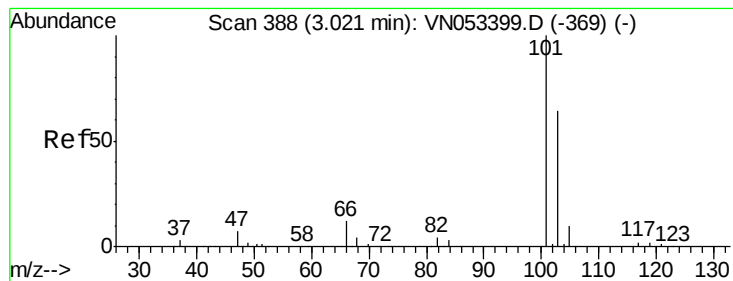
66 32.0 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO



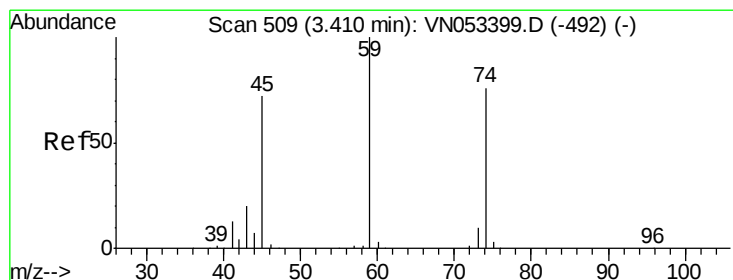
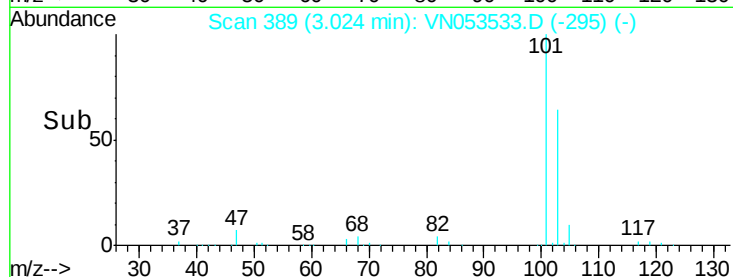
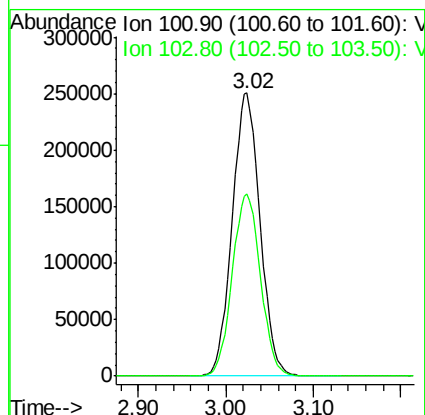
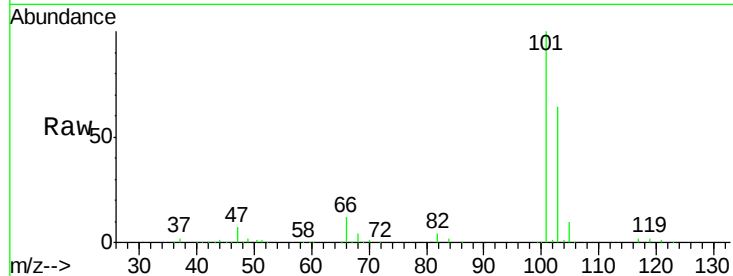


#7

Trichlorofluoromethane
 Concen: 49.954 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN053533.D
 Acq: 28 Jan 2019 9:21

Instrument :
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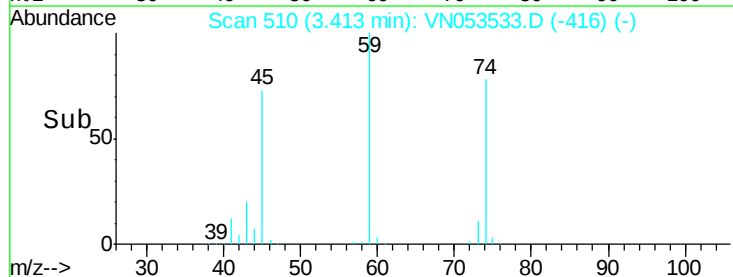
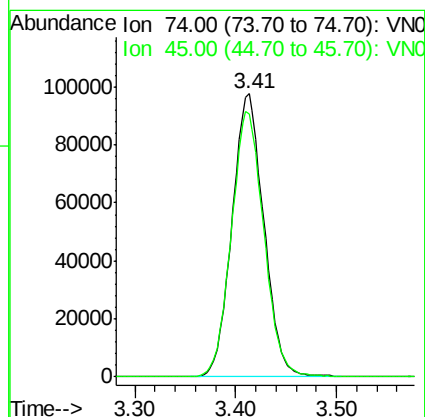
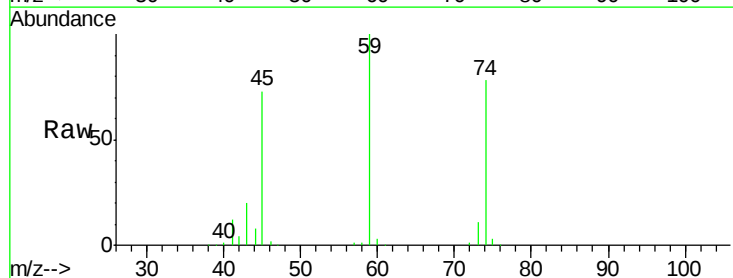
Tot Ion: 101 Resp: 553028
 Ion Ratio Lower Upper
 101 100
 103 64.4 51.6 77.4

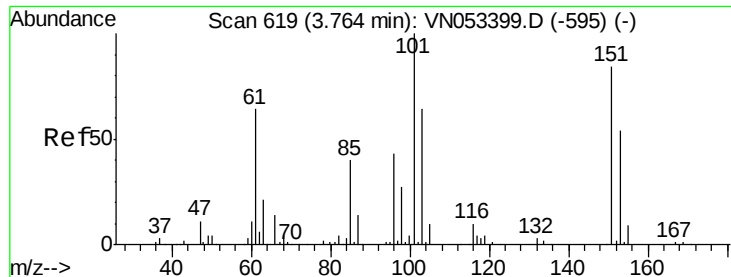


#8

Diethyl Ether
 Concen: 51.504 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN053533.D
 Acq: 28 Jan 2019 9:21

Tgt Ion: 74 Resp: 214155
 Ion Ratio Lower Upper
 74 100
 45 96.0 47.9 143.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.792 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN053533.D

Acq: 28 Jan 2019 9:21

Instrument :

MSVOA_N

ClientSampleId :

BFB

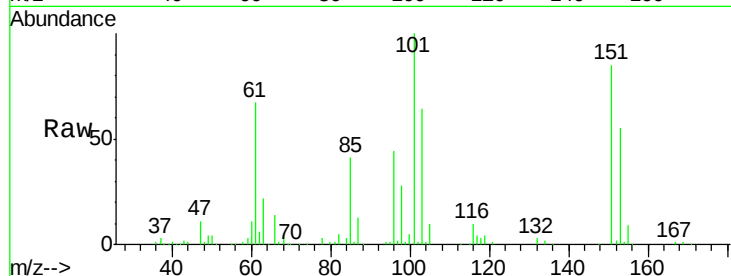
Tot Ion:101 Resp: 363129

Ion Ratio Lower Upper

101 100

85 41.5 32.8 49.2

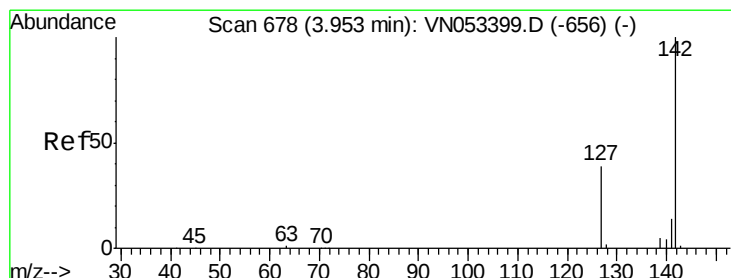
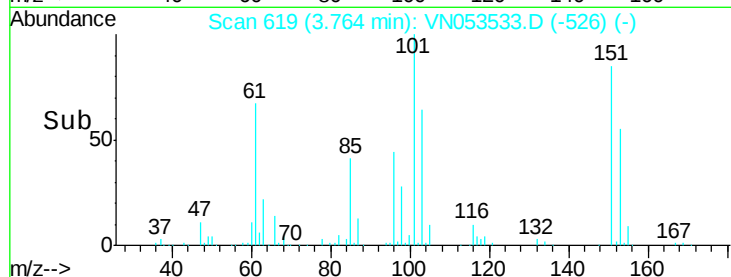
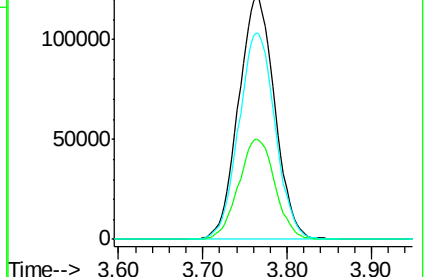
151 85.2 66.9 100.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 46.931 ug/l

RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

Lab File: VN053533.D

Acq: 28 Jan 2019 9:21

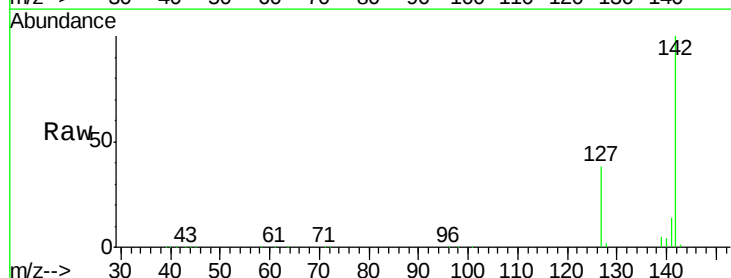
Tgt Ion:142 Resp: 502831

Ion Ratio Lower Upper

142 100

127 38.8 31.0 46.4

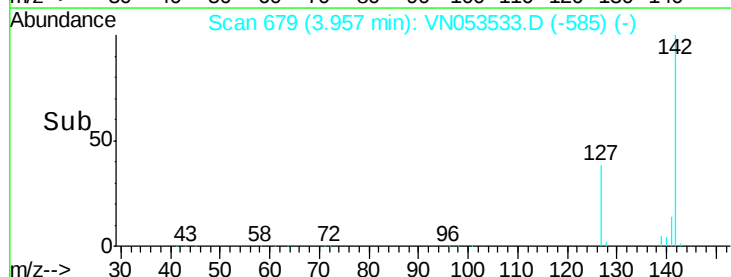
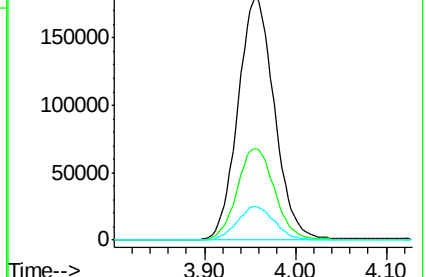
141 14.2 11.1 16.7

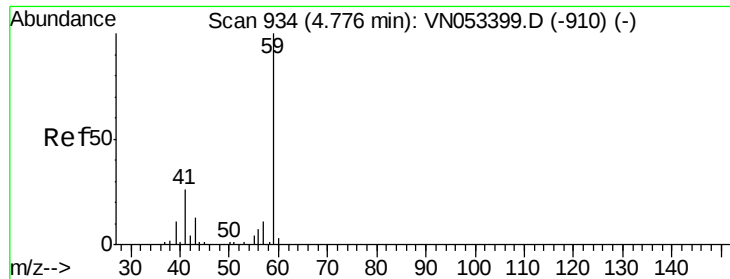


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



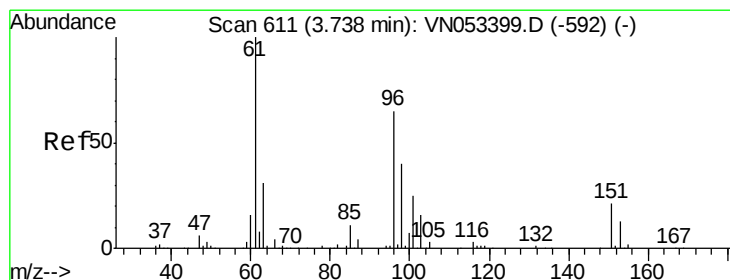
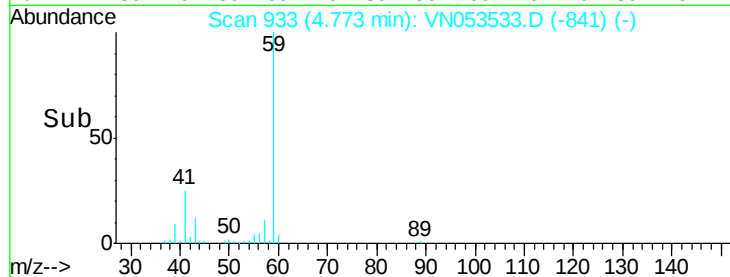
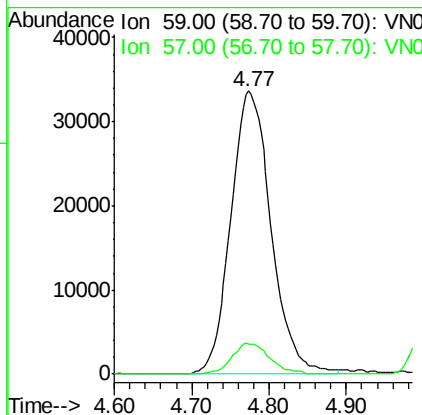
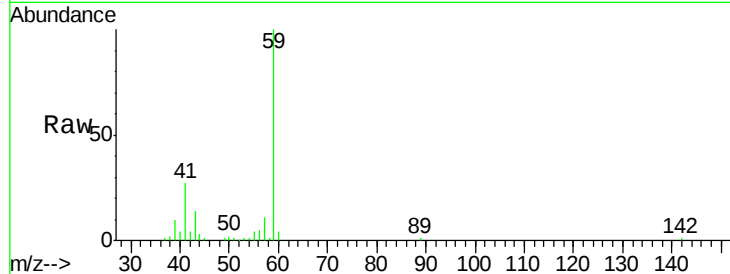


#11

Tert butyl alcohol
 Concen: 329.434 ug/l
 RT: 4.77 min Scan# 933
 Delta R.T. -0.00 min
 Lab File: VN053533.D
 Acq: 28 Jan 2019 9:21

Instrument :
 MSVOA_N
 ClientSampleId :
 BFB

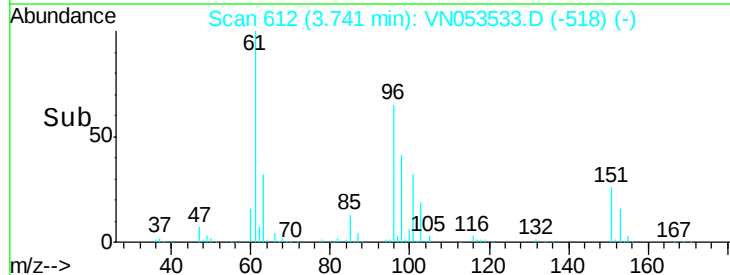
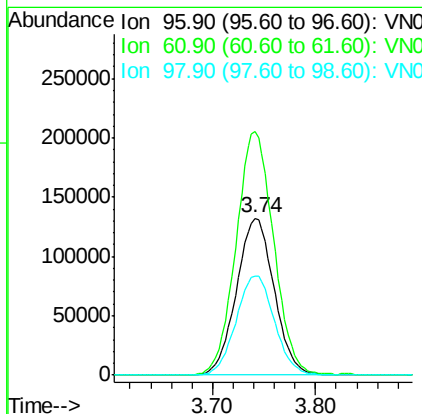
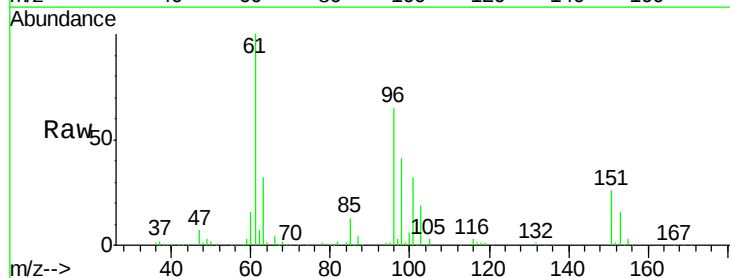
Tot Ion: 59 Resp: 121700
 Ion Ratio Lower Upper
 59 100
 57 10.3 8.2 12.4

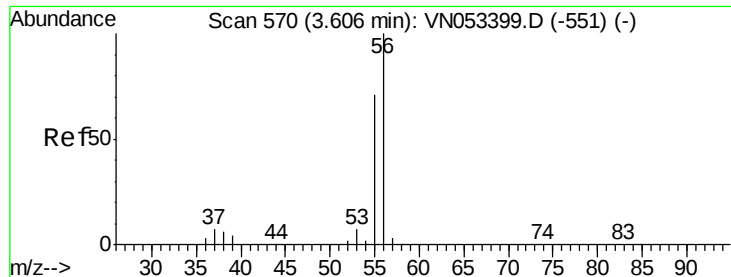


#12

1,1-Dichloroethene
 Concen: 49.408 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. 0.00 min
 Lab File: VN053533.D
 Acq: 28 Jan 2019 9:21

Tgt Ion: 96 Resp: 336000
 Ion Ratio Lower Upper
 96 100
 61 155.0 122.9 184.3
 98 63.3 49.4 74.0





#13

Acrolein

Concen: 232.979 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN053533.D

Acq: 28 Jan 2019 9:21

Instrument :

MSVOA_N

ClientSampleId :

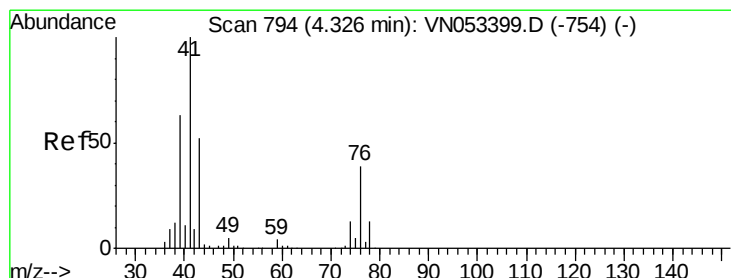
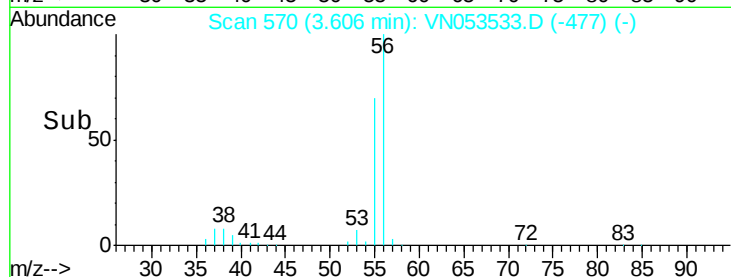
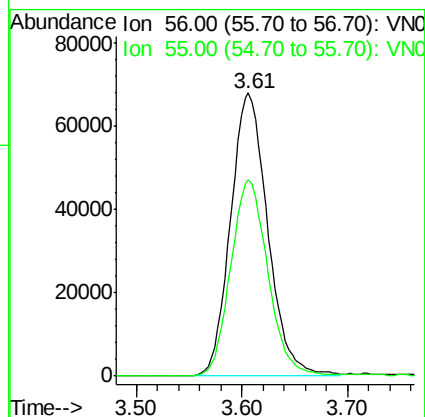
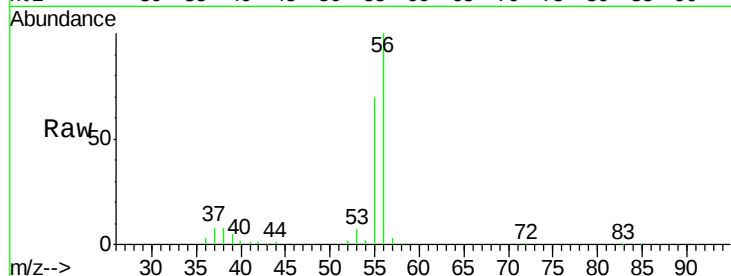
BFB

Tot Ion: 56 Resp: 166718

Ion Ratio Lower Upper

56 100

55 69.3 57.4 86.0



#14

Allyl chloride

Concen: 48.973 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN053533.D

Acq: 28 Jan 2019 9:21

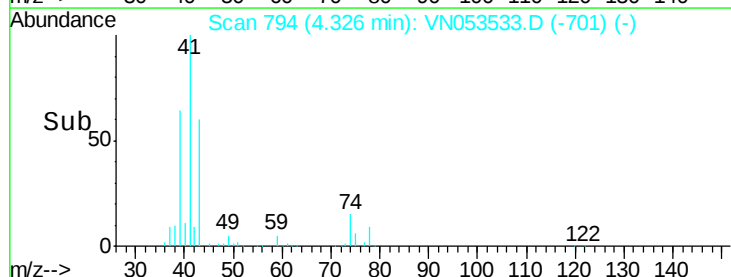
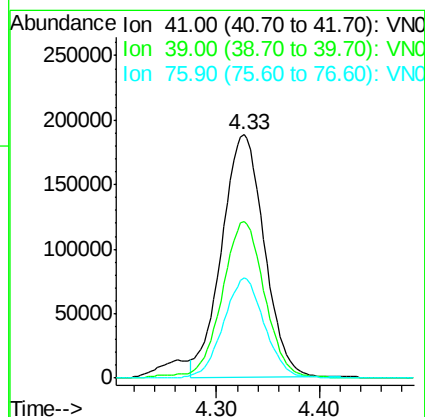
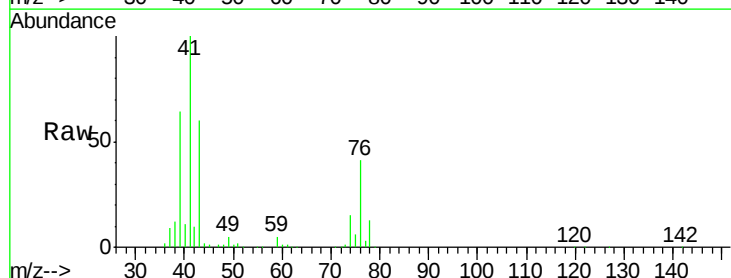
Tgt Ion: 41 Resp: 540961

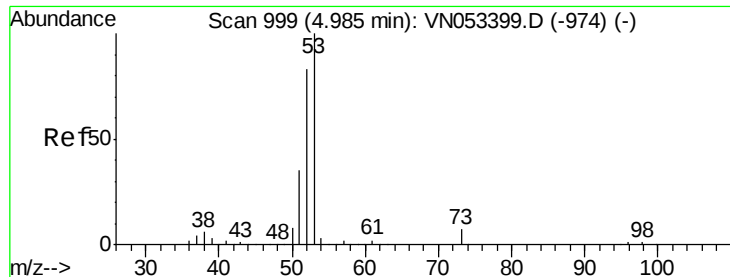
Ion Ratio Lower Upper

41 100

39 65.3 48.9 73.3

76 39.4 29.4 44.2





#15

Acrylonitrile

Concen: 272.043 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN053533.D

Acq: 28 Jan 2019 9:21

Instrument :

MSVOA_N

ClientSampled :

BFB

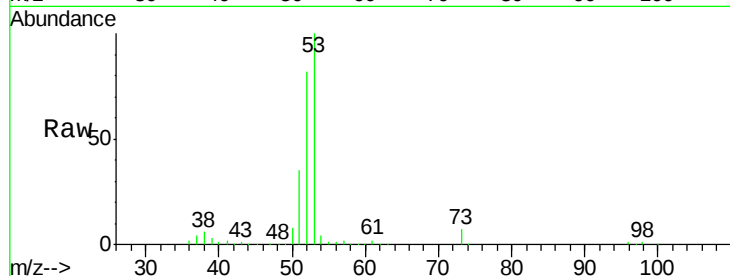
Tot Ion: 53 Resp: 661391

Ion Ratio Lower Upper

53 100

52 81.4 66.0 99.0

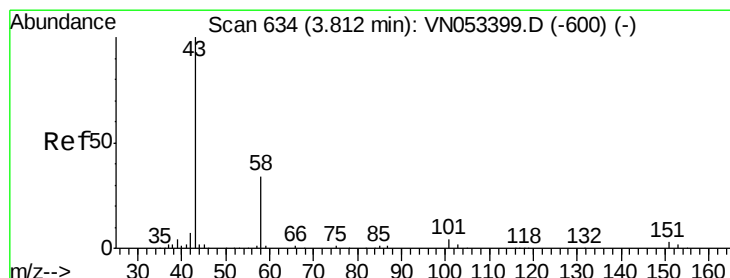
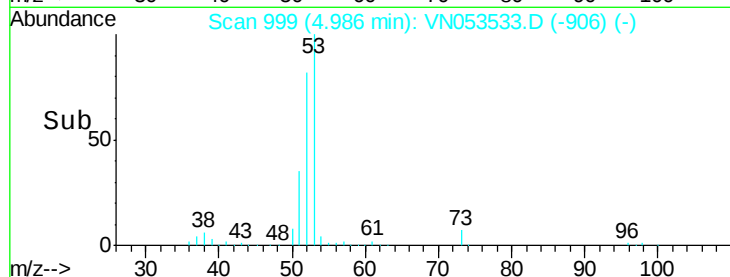
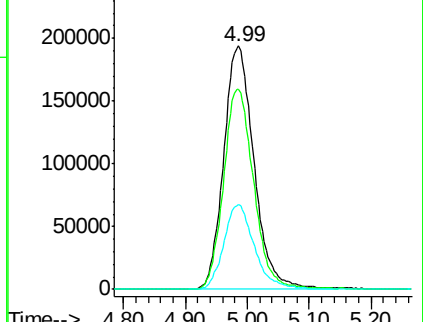
51 35.1 28.3 42.5



Abundance Ion 53.00 (52.70 to 53.70): VN053399.D (-974) (-)

Ion 52.00 (51.70 to 52.70): VN053399.D (-974) (-)

Ion 51.00 (50.70 to 51.70): VN053399.D (-974) (-)



#16

Acetone

Concen: 218.264 ug/l

RT: 3.81 min Scan# 634

Delta R.T. 0.00 min

Lab File: VN053533.D

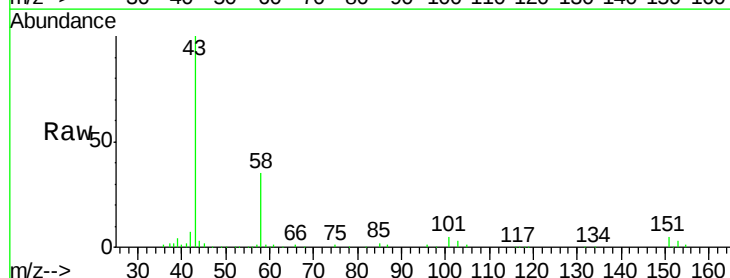
Acq: 28 Jan 2019 9:21

Tgt Ion: 43 Resp: 386611

Ion Ratio Lower Upper

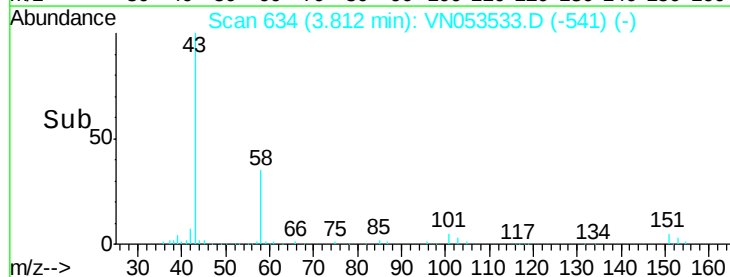
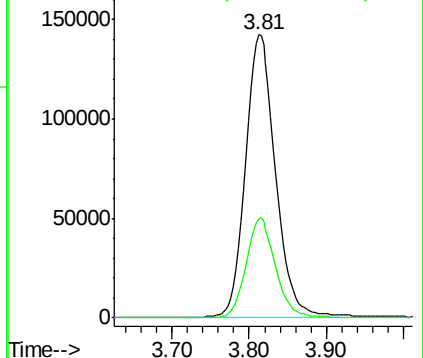
43 100

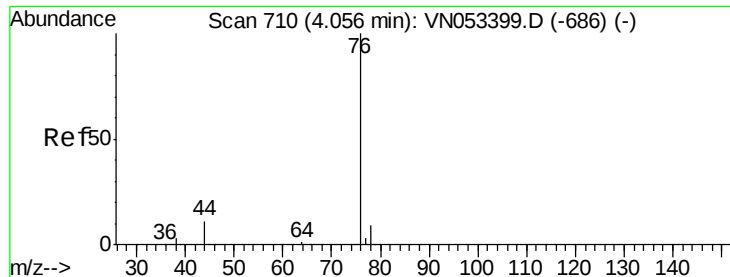
58 35.0 27.1 40.7



Abundance Ion 43.00 (42.70 to 43.70): VN053399.D (-600) (-)

Ion 58.00 (57.70 to 58.70): VN053399.D (-600) (-)

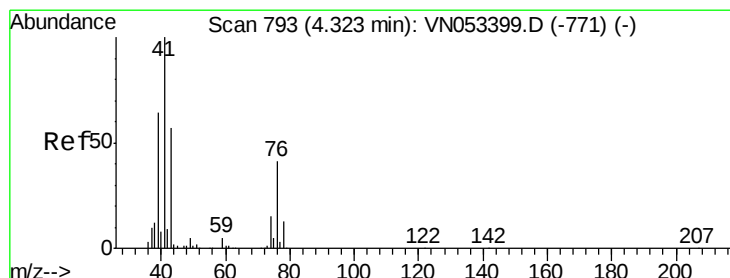
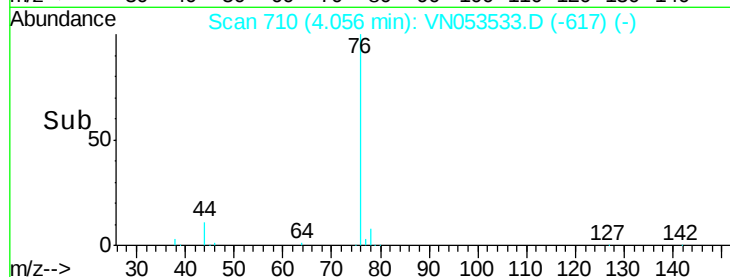
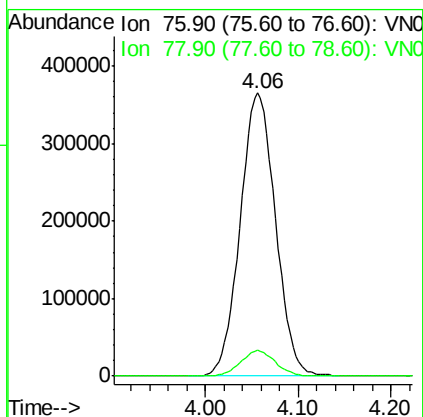
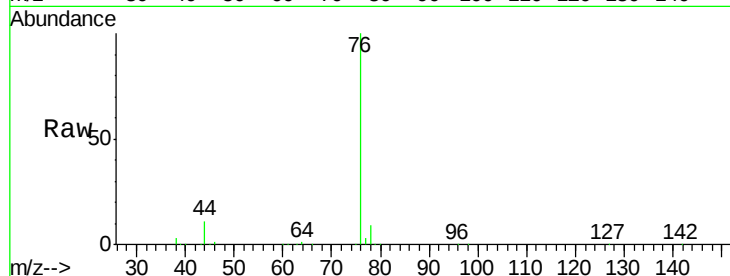




#17
Carbon Disulfide
Concen: 46.892 ug/l
RT: 4.06 min Scan# 710
Delta R.T. 0.00 min
Lab File: VN053533.D
Acq: 28 Jan 2019 9:21

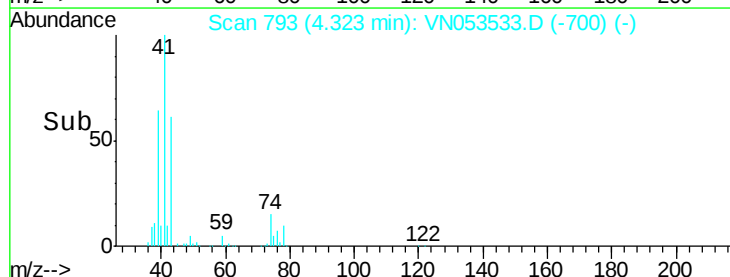
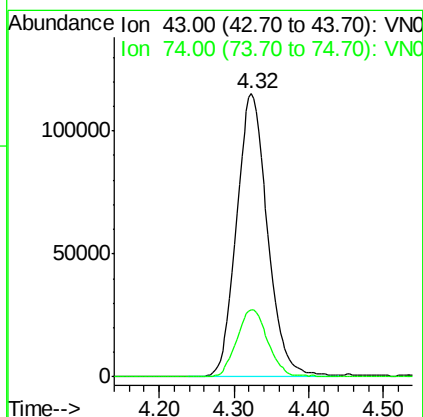
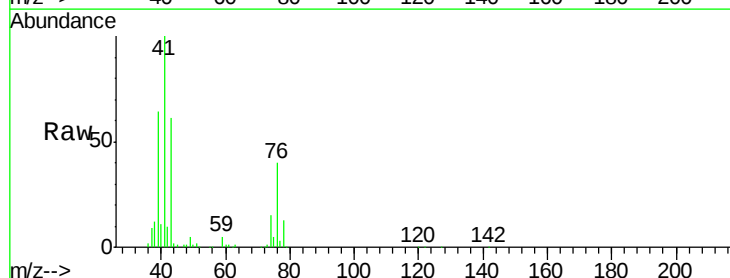
Instrument :
MSVOA_N
ClientSampled :
BFB

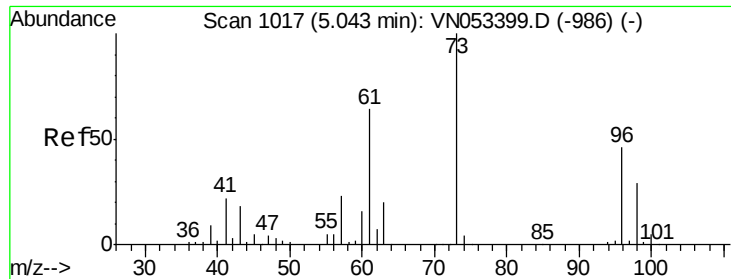
Tot Ion: 76 Resp: 964331
Ion Ratio Lower Upper
76 100
78 9.0 7.3 10.9



#18
Methyl Acetate
Concen: 55.130 ug/l
RT: 4.32 min Scan# 793
Delta R.T. 0.00 min
Lab File: VN053533.D
Acq: 28 Jan 2019 9:21

Tgt Ion: 43 Resp: 329005
Ion Ratio Lower Upper
43 100
74 24.2 19.4 29.2

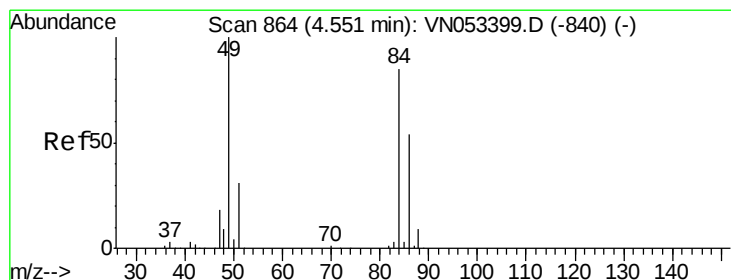
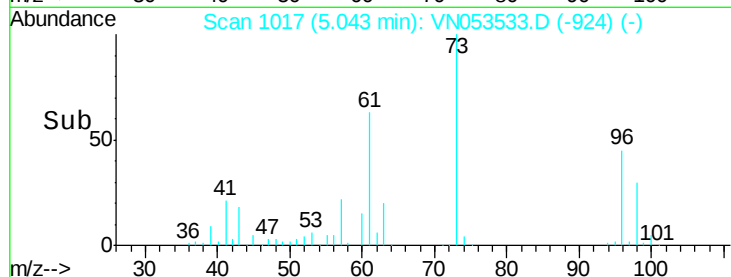
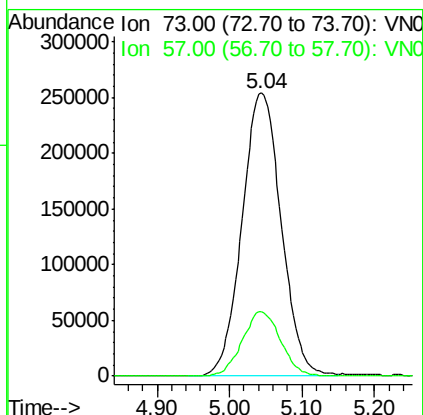
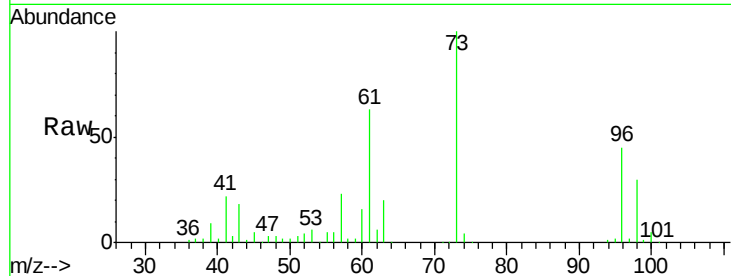




#19
Methvl tert-butvl Ether
Concen: 52.966 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VN053533.D
Acq: 28 Jan 2019 9:21

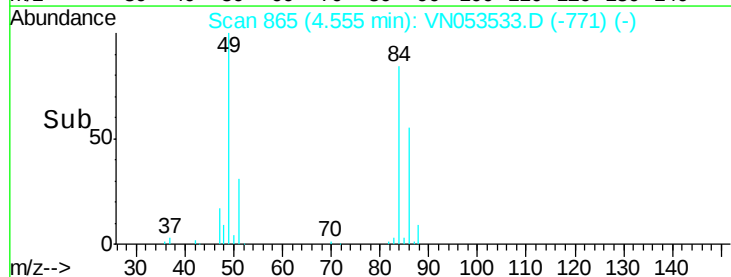
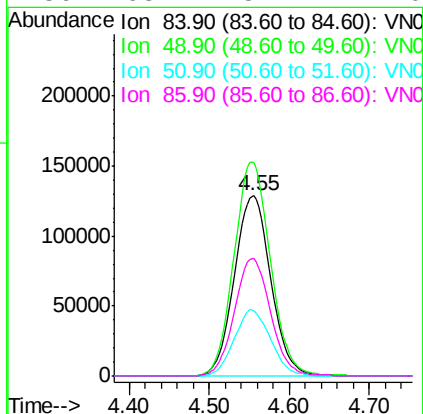
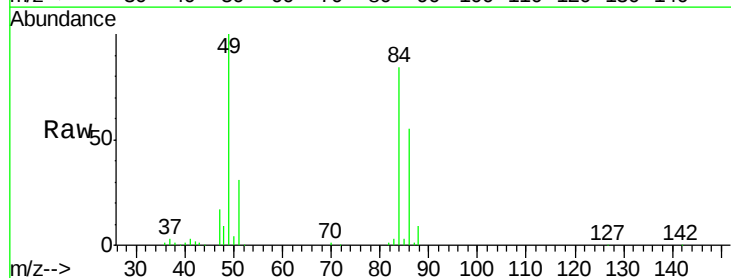
Instrument :
MSVOA_N
ClientSampleId :
BFB

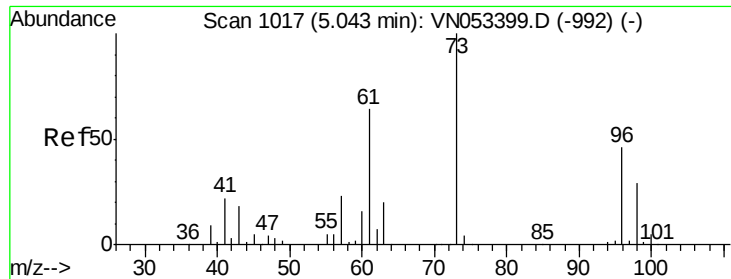
Tot Ion: 73 Resp: 957047
Ion Ratio Lower Upper
73 100
57 22.8 18.3 27.5



#20
Methylene Chloride
Concen: 49.283 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN053533.D
Acq: 28 Jan 2019 9:21

Tgt Ion: 84 Resp: 398549
Ion Ratio Lower Upper
84 100
49 118.6 94.3 141.5
51 36.4 29.4 44.2
86 65.1 51.4 77.0

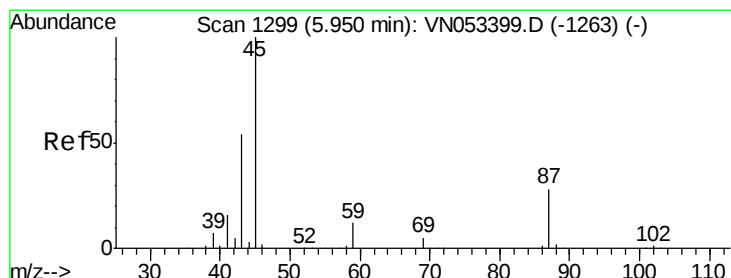
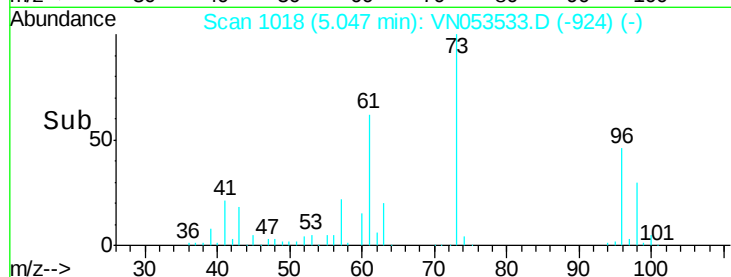
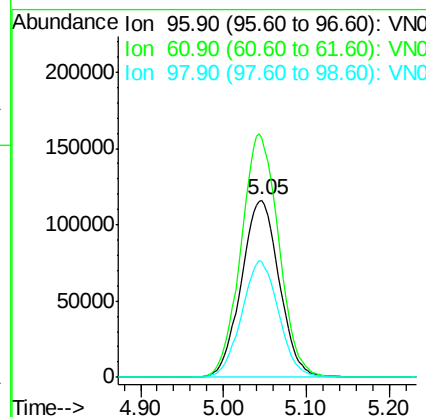
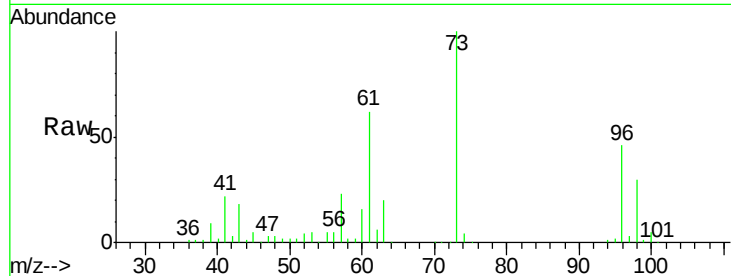




#21
trans-1,2-Dichloroethene
Concen: 50.760 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN053533.D
Acq: 28 Jan 2019 9:21

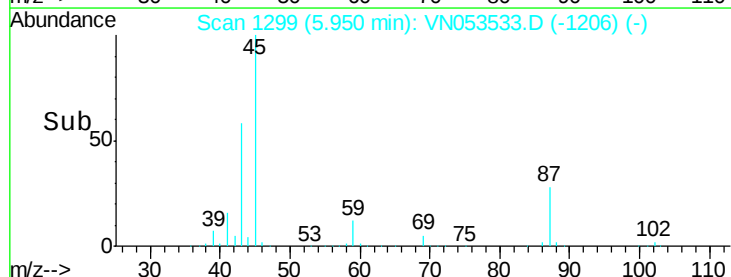
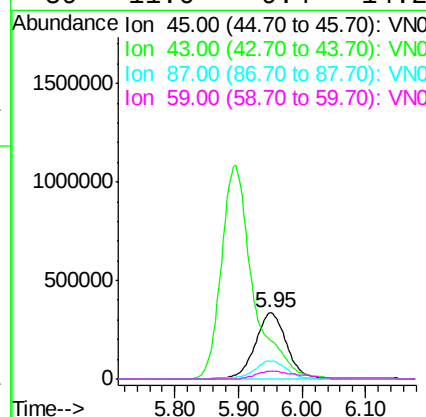
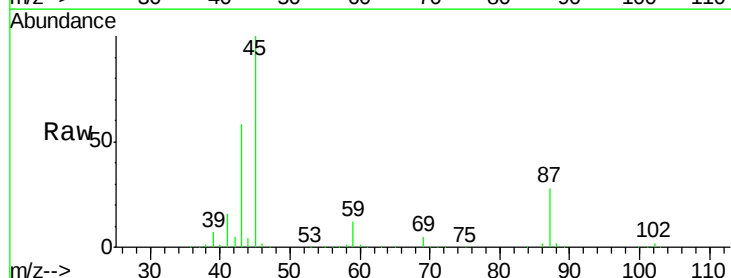
Instrument :
MSVOA_N
ClientSampled :
BFB

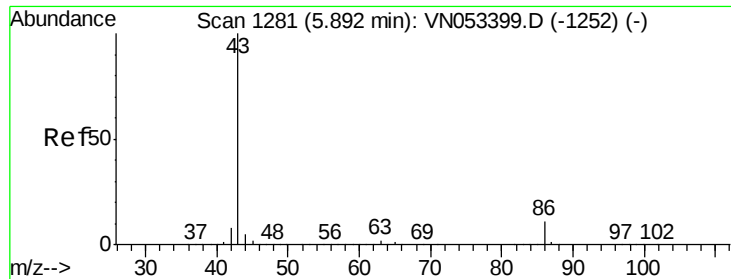
Tot Ion: 96 Resp: 369045
Ion Ratio Lower Upper
96 100
61 135.2 110.1 165.1
98 65.0 50.0 75.0



#22
Diisopropyl ether
Concen: 50.616 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. 0.00 min
Lab File: VN053533.D
Acq: 28 Jan 2019 9:21

Tgt Ion: 45 Resp: 1167203
Ion Ratio Lower Upper
45 100
43 57.9 44.2 66.4
87 27.2 22.7 34.1
59 11.6 9.4 14.2

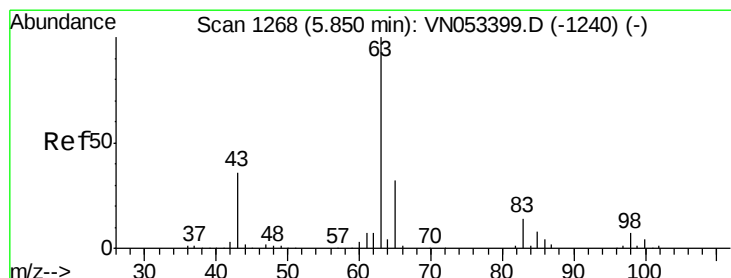
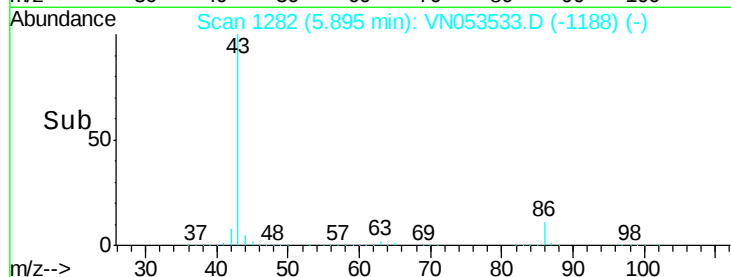
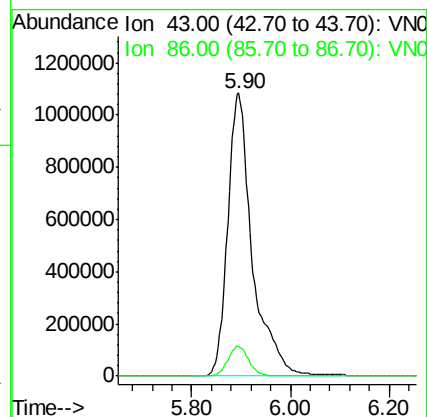
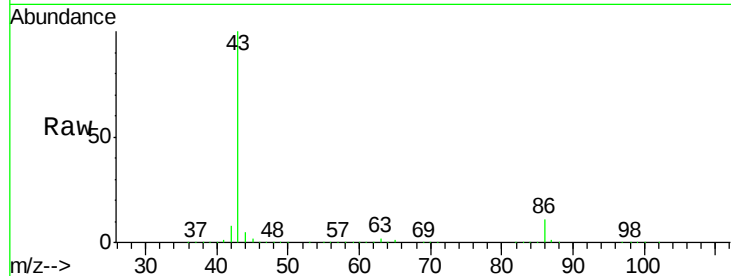




#23
 Vinyl Acetate
 Concen: 266.273 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN053533.D
 Acq: 28 Jan 2019 9:21

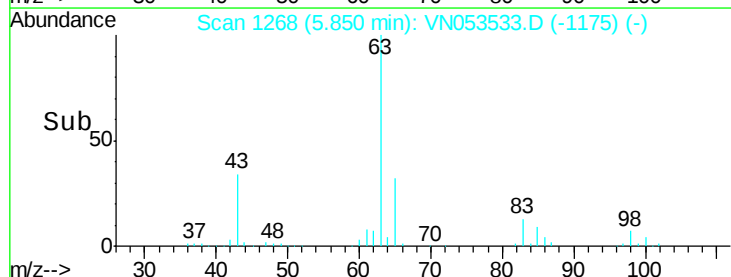
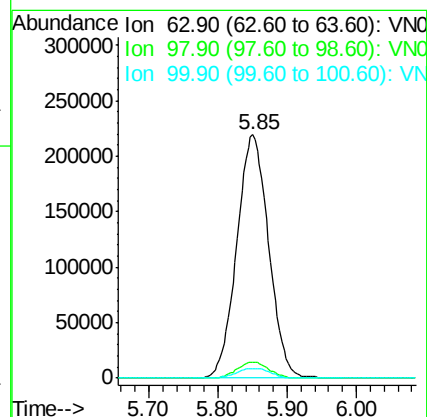
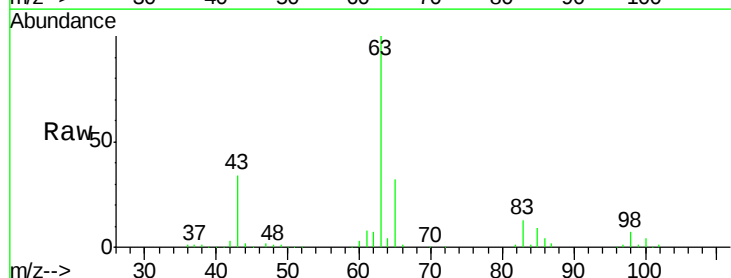
Instrument :
 MSVOA_N
 ClientSampleId :
 BFB

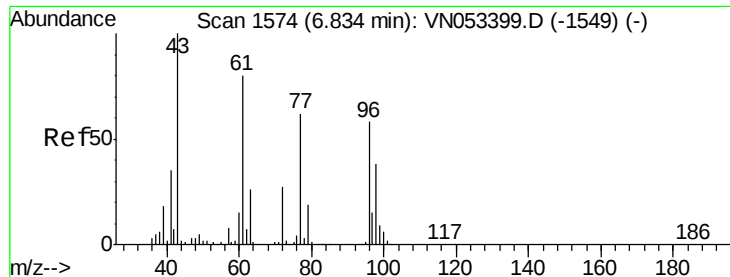
Tot Ion: 43 Resp: 3774482
 Ion Ratio Lower Upper
 43 100
 86 10.6 8.4 12.6



#24
 1,1-Dichloroethane
 Concen: 51.614 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VN053533.D
 Acq: 28 Jan 2019 9:21

Tgt Ion: 63 Resp: 703605
 Ion Ratio Lower Upper
 63 100
 98 6.6 3.3 9.9
 100 3.9 2.1 6.5





#25

2-Butanone

Concen: 253.229 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN053533.D

Acq: 28 Jan 2019 9:21

Instrument :

MSVOA_N

ClientSampled :

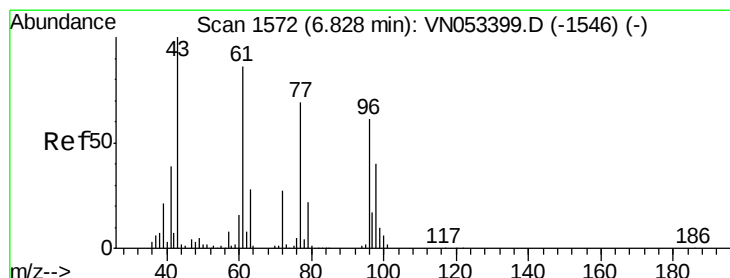
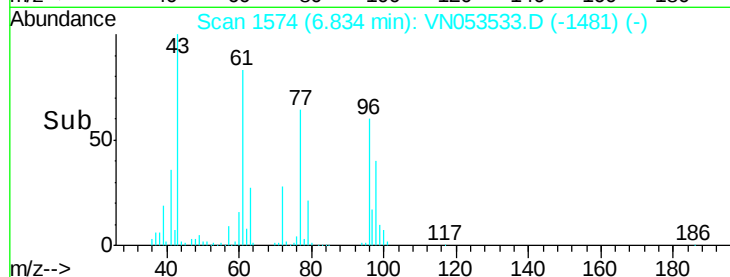
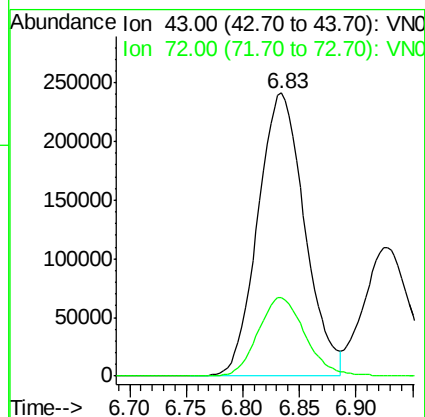
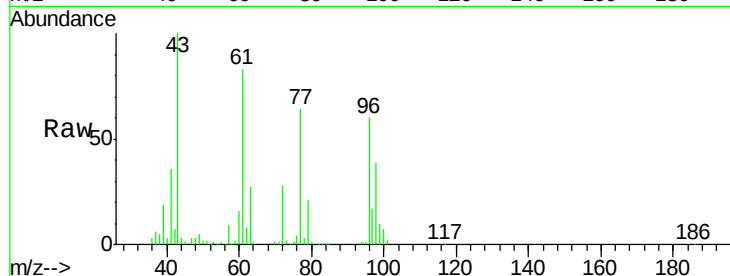
BFB

Tot Ion: 43 Resp: 691212

Ion Ratio Lower Upper

43 100

72 27.7 22.0 33.0



#26

2,2-Dichloropropane

Concen: 53.212 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN053533.D

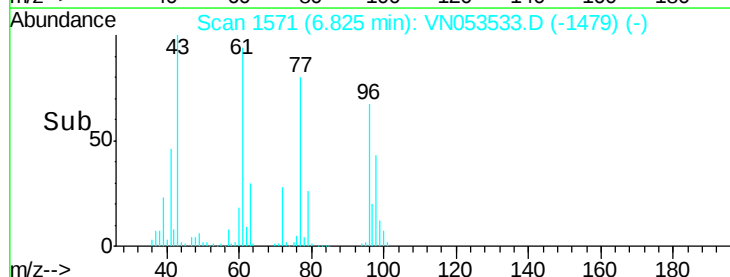
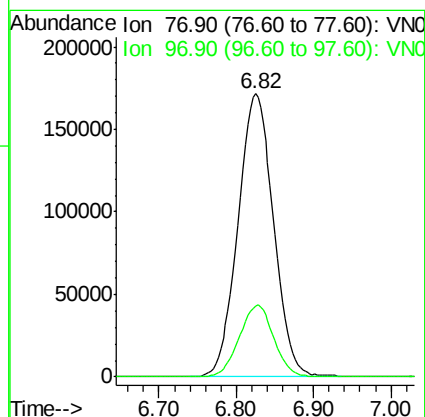
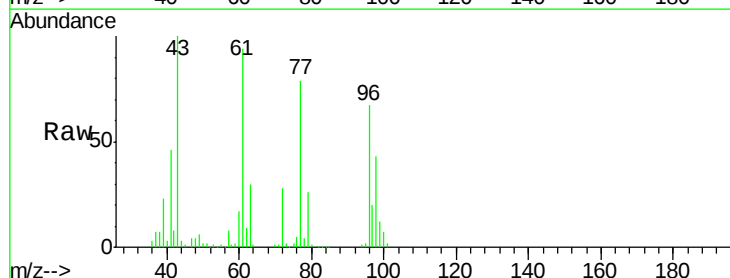
Acq: 28 Jan 2019 9:21

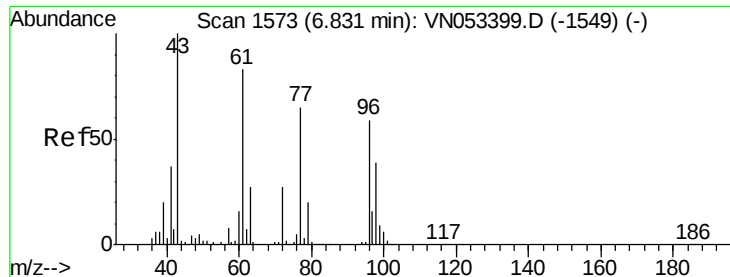
Tgt Ion: 77 Resp: 547691

Ion Ratio Lower Upper

77 100

97 24.6 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 52.487 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN053533.D

Acq: 28 Jan 2019 9:21

Instrument :

MSVOA_N

ClientSampled :

BFB

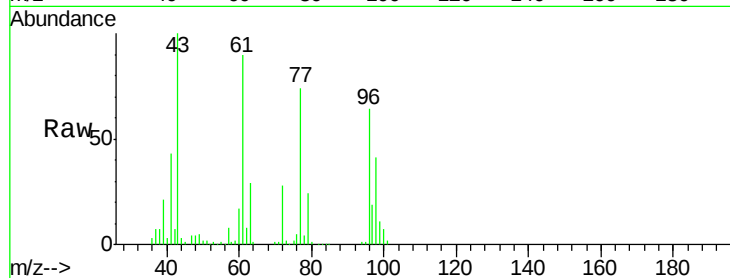
Tot Ion: 96 Resp: 436371

Ion Ratio Lower Upper

96 100

61 140.4 0.0 283.8

98 64.7 0.0 129.2

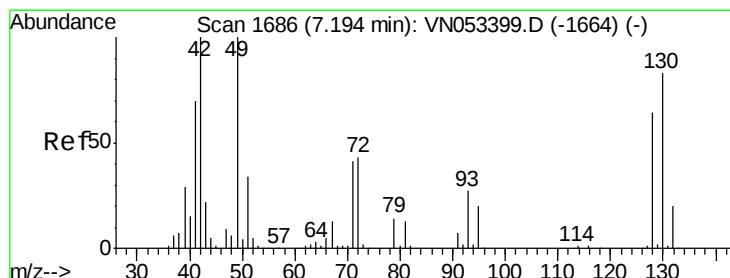
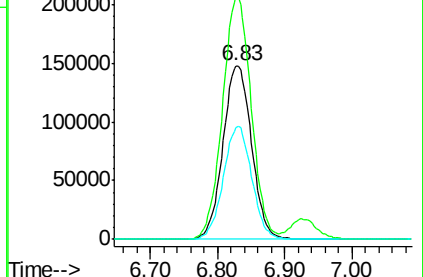
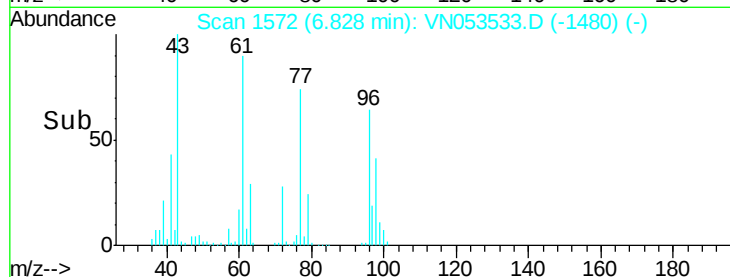


Abundance Ion 95.90 (95.60 to 96.60): VN053533.D (-1593) (-)

Ion 60.90 (60.60 to 61.60): VN053533.D (-1593) (-)

Ion 97.90 (97.60 to 98.60): VN053533.D (-1593) (-)

Time-->



#28

Bromochloromethane

Concen: 50.378 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN053533.D

Acq: 28 Jan 2019 9:21

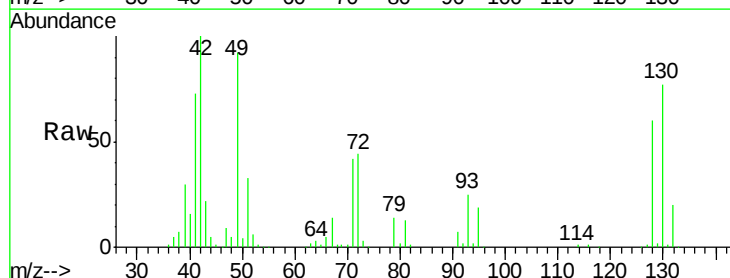
Tgt Ion: 49 Resp: 302549

Ion Ratio Lower Upper

49 100

129 2.1 0.0 4.0

130 83.8 66.3 99.5

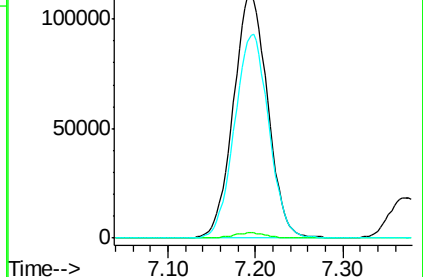
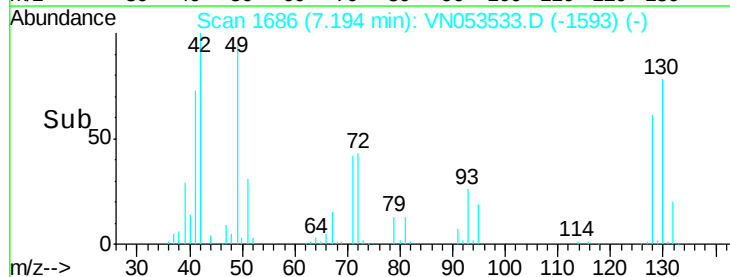


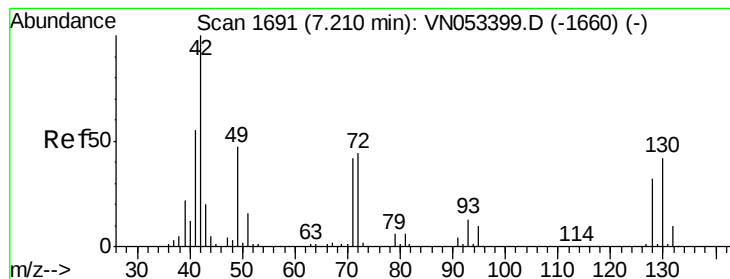
Abundance Ion 48.90 (48.60 to 49.60): VN053533.D (-1593) (-)

Ion 128.80 (128.50 to 129.50): VN053533.D (-1593) (-)

Ion 129.80 (129.50 to 130.50): VN053533.D (-1593) (-)

Time-->





#29

Tetrahydrofuran

Concen: 270.183 ug/l

RT: 7.21 min Scan# 1691

Delta R.T. 0.00 min

Lab File: VN053533.D

Acq: 28 Jan 2019 9:21

Instrument :

MSVOA_N

ClientSampled :

BFB

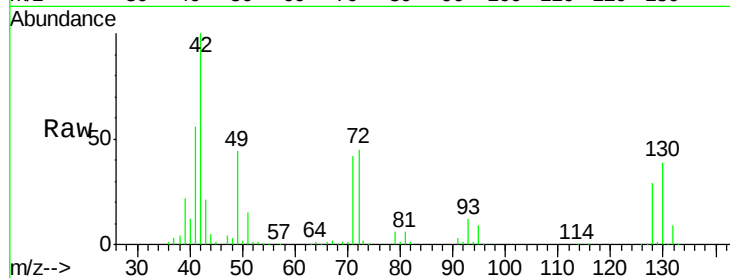
Tot Ion: 42 Resp: 480107

Ion Ratio Lower Upper

42 100

72 44.2 35.2 52.8

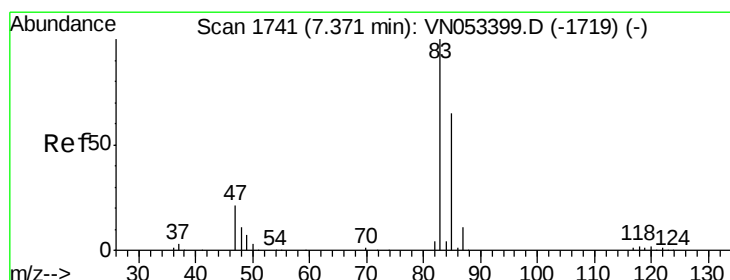
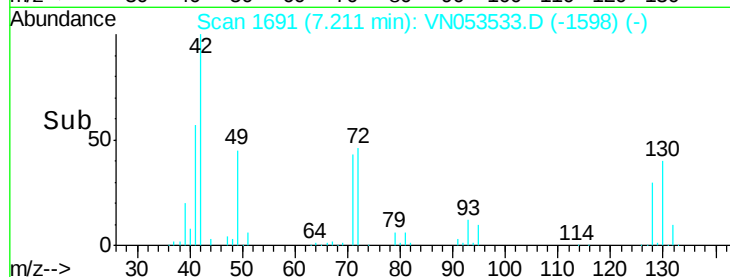
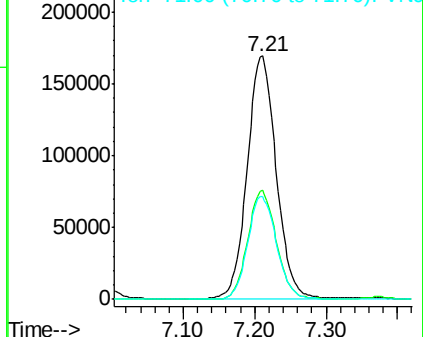
71 42.2 33.0 49.4



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 52.245 ug/l

RT: 7.37 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VN053533.D

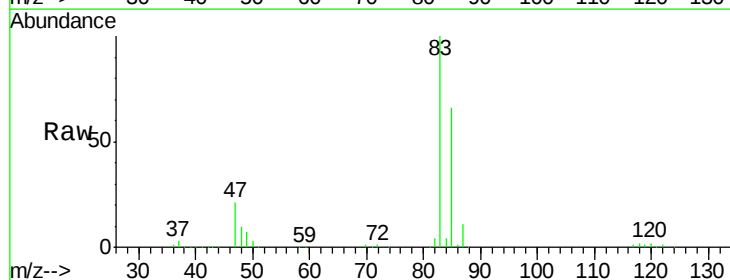
Acq: 28 Jan 2019 9:21

Tgt Ion: 83 Resp: 693921

Ion Ratio Lower Upper

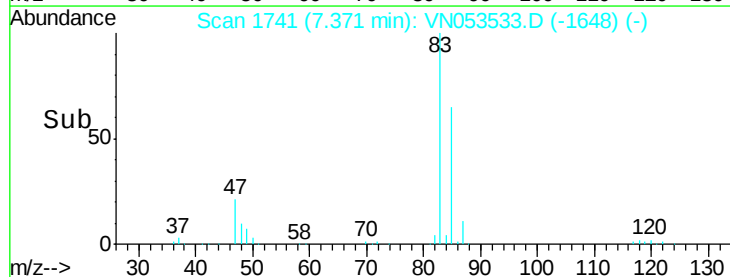
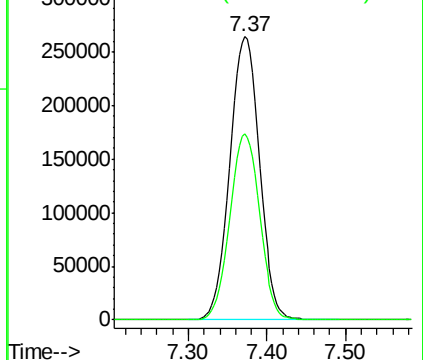
83 100

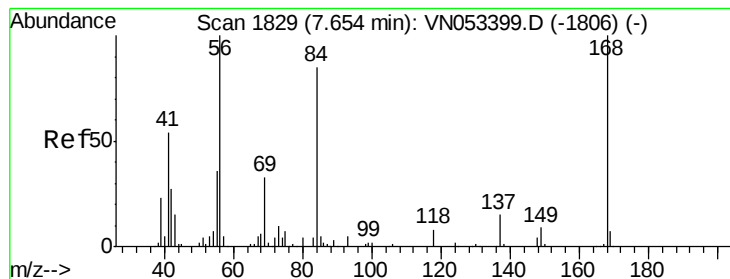
85 65.5 52.2 78.2



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 47.711 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN053533.D

Acq: 28 Jan 2019 9:21

Instrument :

MSVOA_N

ClientSampleId :

BFB

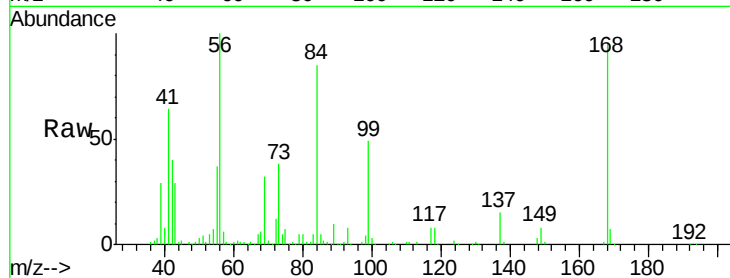
Tot Ion: 56 Resp: 633101

Ion Ratio Lower Upper

56 100

69 32.0 26.4 39.6

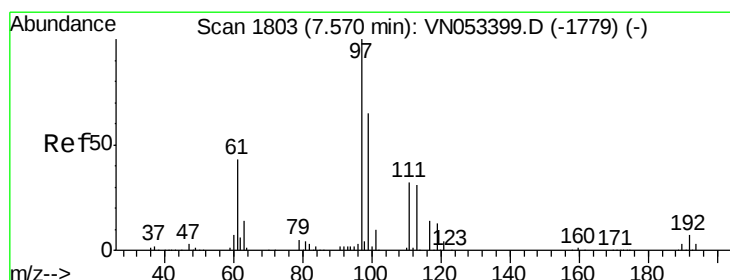
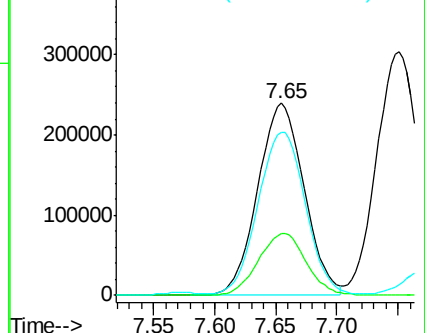
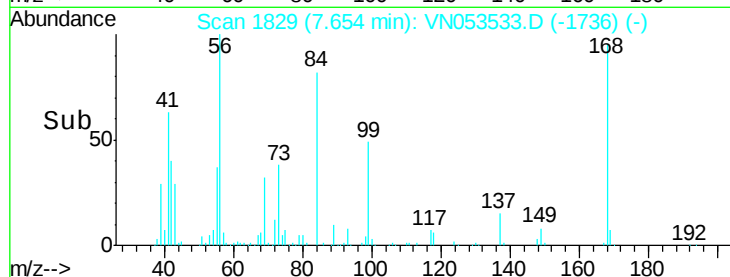
84 83.9 67.9 101.9



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: 52.134 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN053533.D

Acq: 28 Jan 2019 9:21

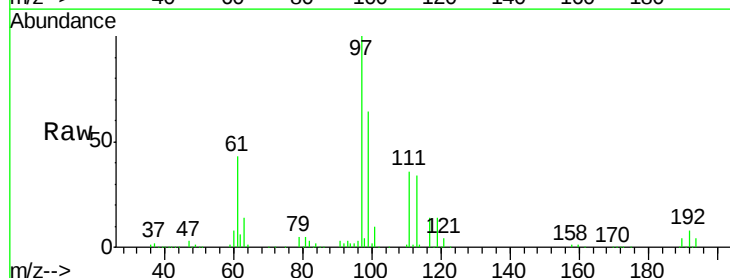
Tgt Ion: 97 Resp: 587387

Ion Ratio Lower Upper

97 100

99 64.7 52.0 78.0

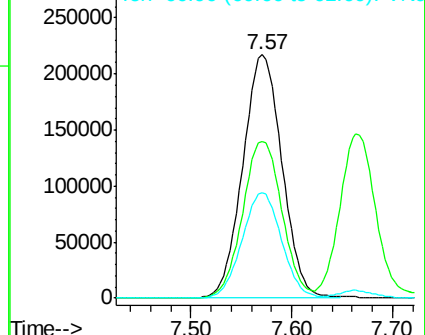
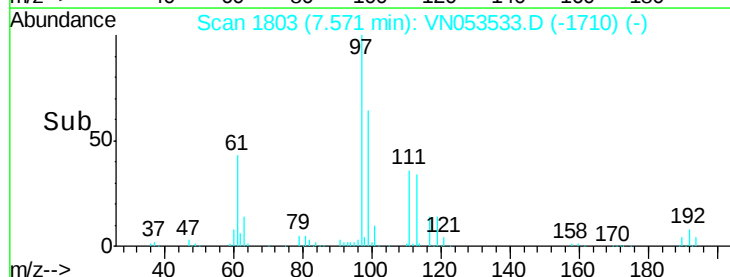
61 43.4 34.4 51.6

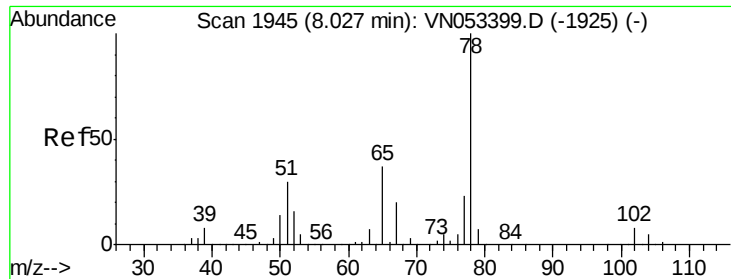


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

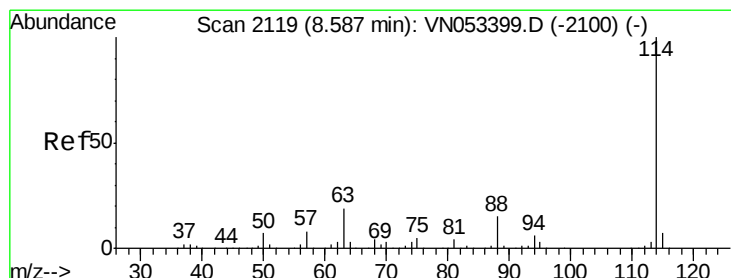
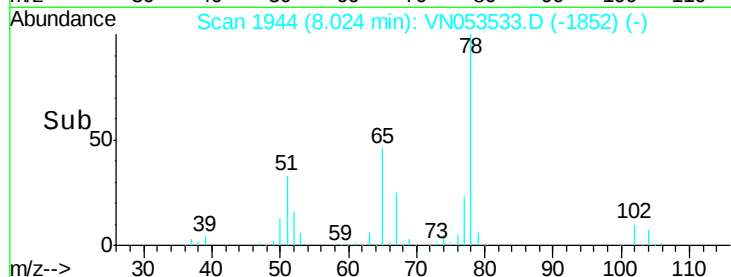
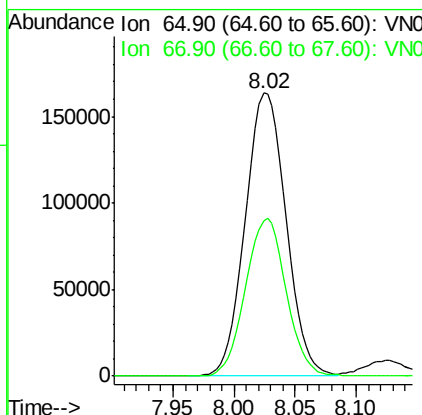
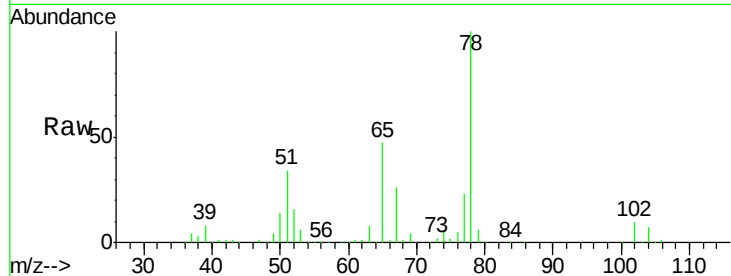




#33
 1,2-Dichloroethane-d4
 Concen: 52.134 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VN053533.D
 Acq: 28 Jan 2019 9:21

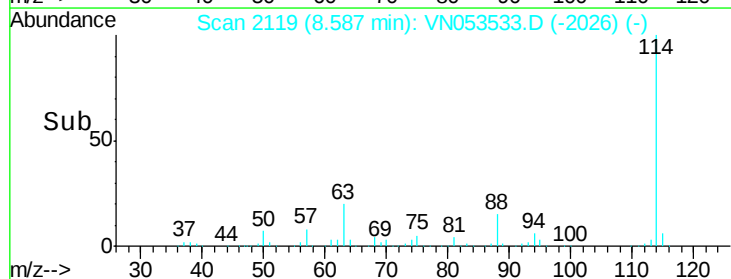
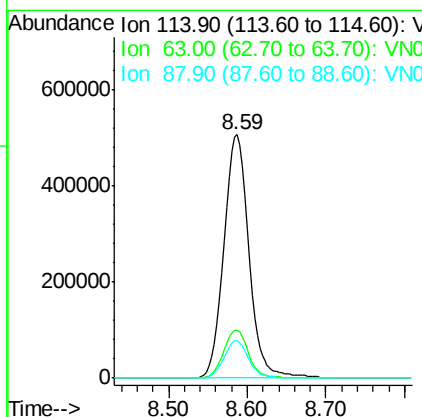
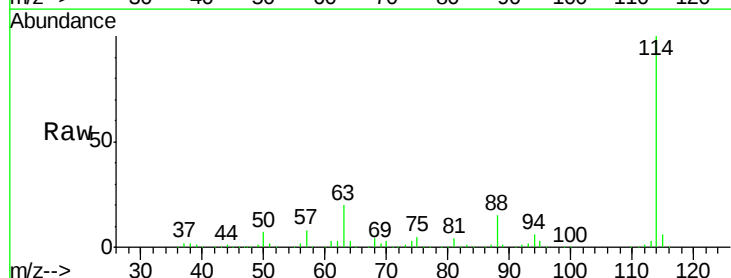
Instrument :
 MSVOA_N
 ClientSampleId :
 BFB

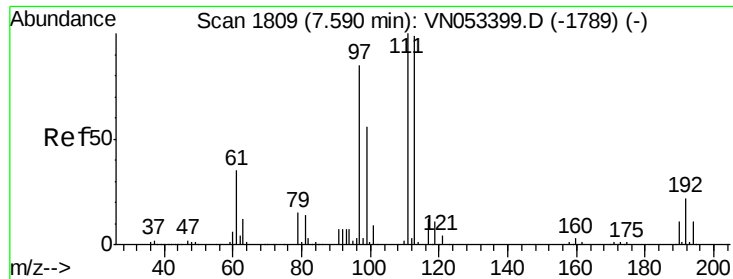
Tot Ion: 65 Resp: 379321
 Ion Ratio Lower Upper
 65 100
 67 55.5 0.0 111.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053533.D
 Acq: 28 Jan 2019 9:21

Tgt Ion: 114 Resp: 1116490
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 38.6
 88 15.3 0.0 30.4

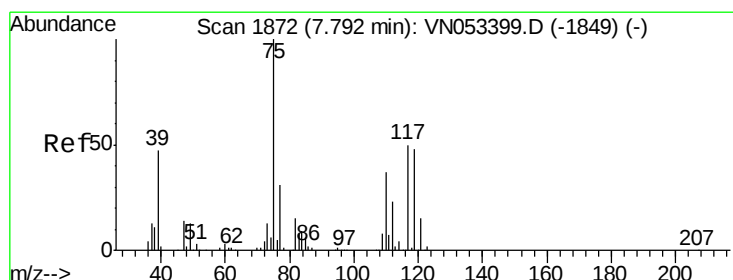
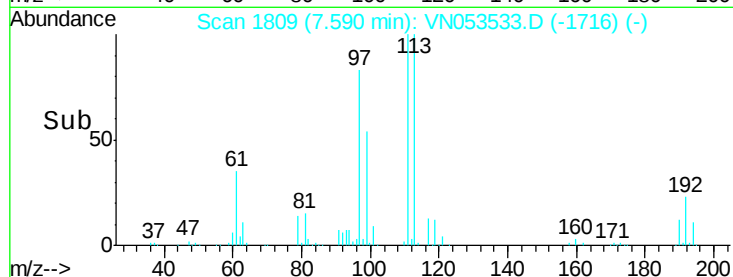
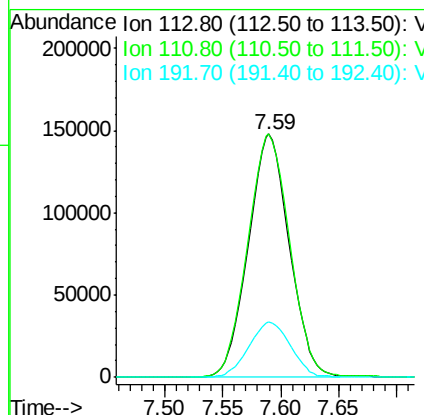
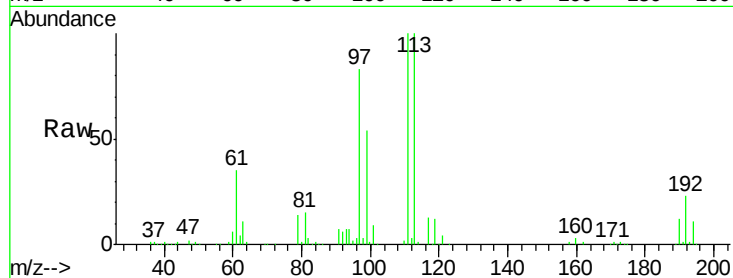




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN053533.D
 Acq: 28 Jan 2019 9:21

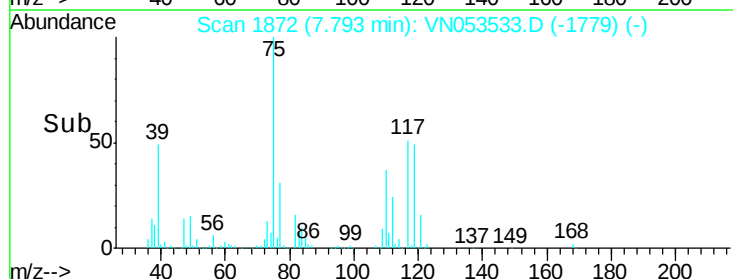
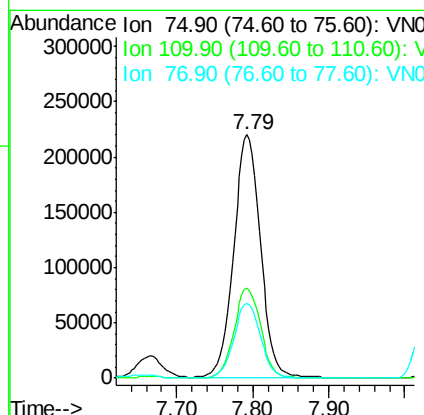
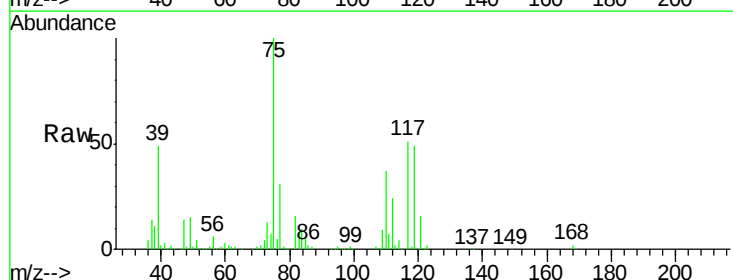
Instrument :
 MSVOA_N
 ClientSampleId :
 BFB

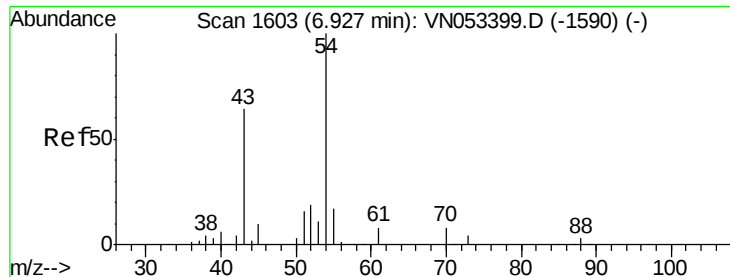
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.8	81.1	121.7
192	23.2	18.2	27.2



#36
 1,1-Dichloropropene
 Concen: 52.898 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN053533.D
 Acq: 28 Jan 2019 9:21

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.9	18.1	54.3
77	31.0	25.1	37.7

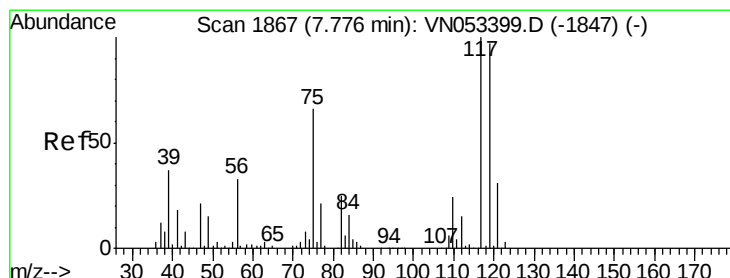
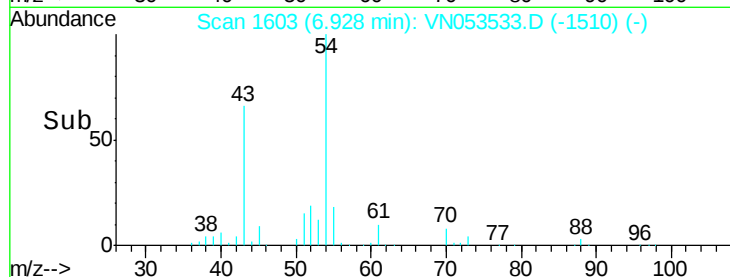
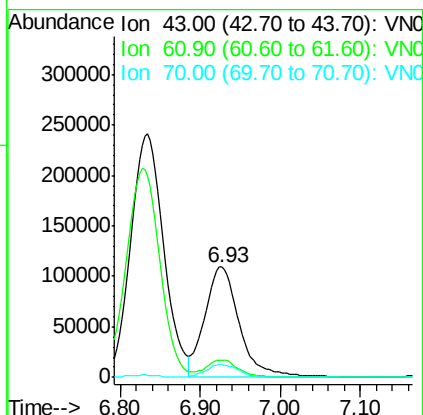
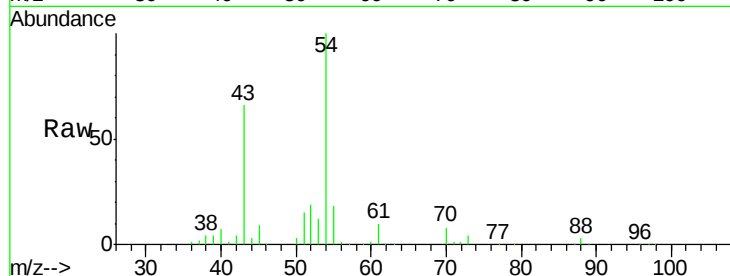




#37
Ethyl Acetate
Concen: 55.585 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VN053533.D
Acq: 28 Jan 2019 9:21

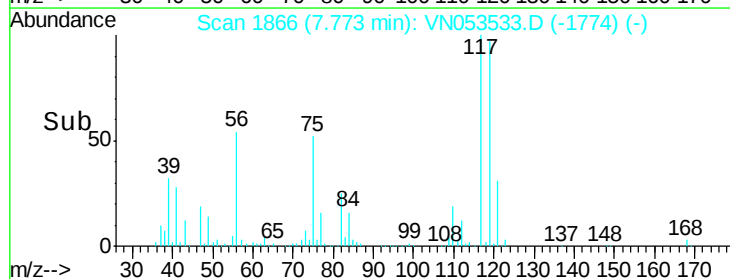
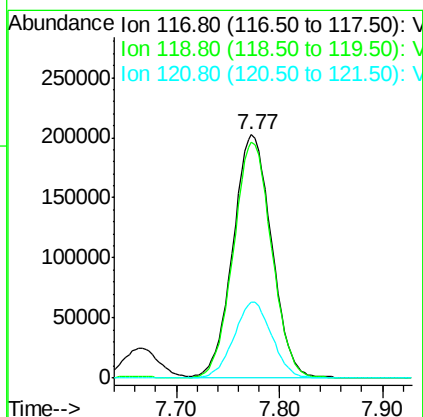
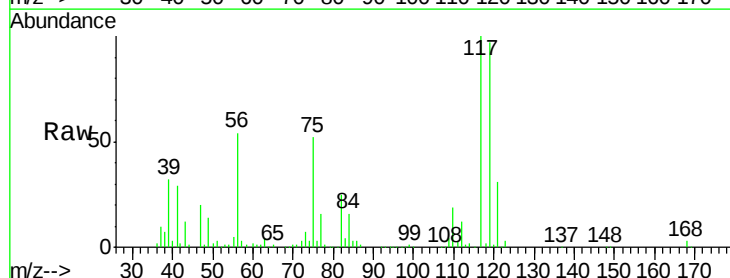
Instrument :
MSVOA_N
ClientSampled :
BFB

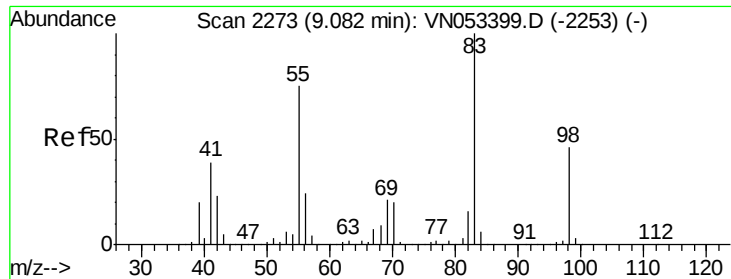
Tot Ion: 43 Resp: 325169
Ion Ratio Lower Upper
43 100
61 14.8 11.8 17.6
70 10.7 8.6 12.8



#38
Carbon Tetrachloride
Concen: 54.546 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN053533.D
Acq: 28 Jan 2019 9:21

Tgt Ion: 117 Resp: 525083
Ion Ratio Lower Upper
117 100
119 96.8 77.2 115.8
121 31.3 24.6 37.0

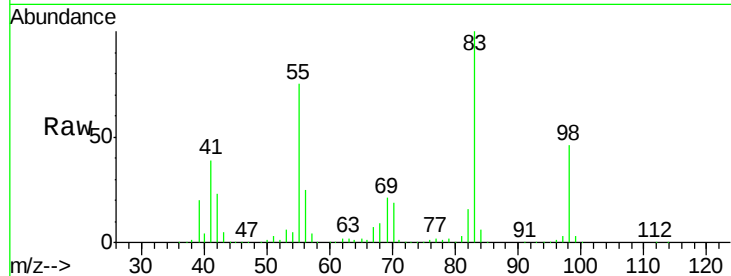




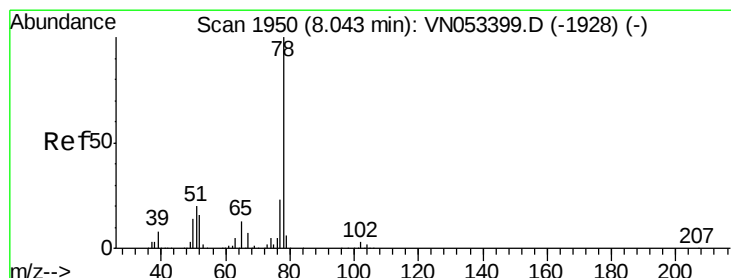
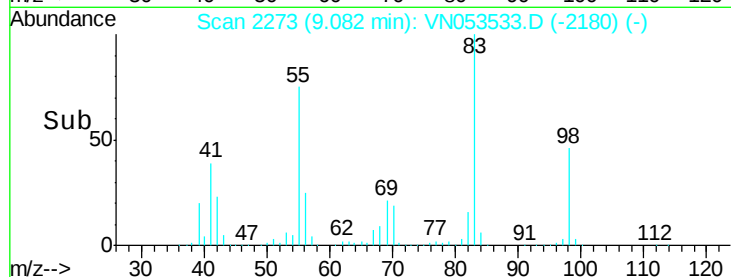
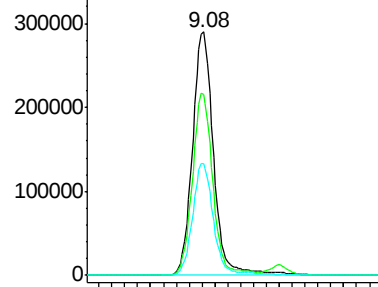
#39
Methylvlcvclohexane
Concen: 52.276 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN053533.D
Acq: 28 Jan 2019 9:21

Instrument :
MSVOA_N
ClientSampleId :
BFB

Tot Ion	83	Resp	656985
Ion	Ratio	Lower	Upper
83	100		
55	74.6	60.1	90.1
98	46.0	36.6	55.0

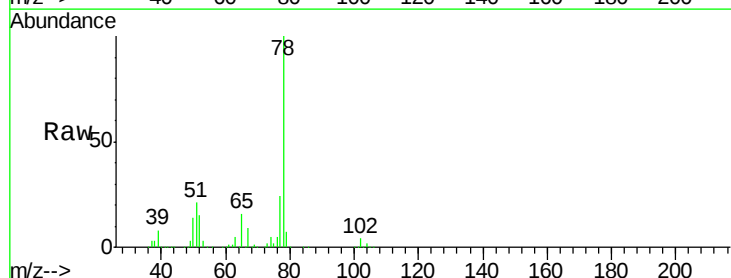


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

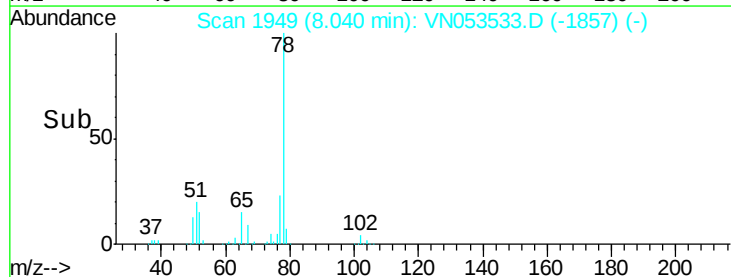
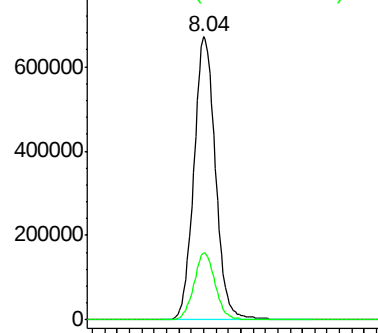


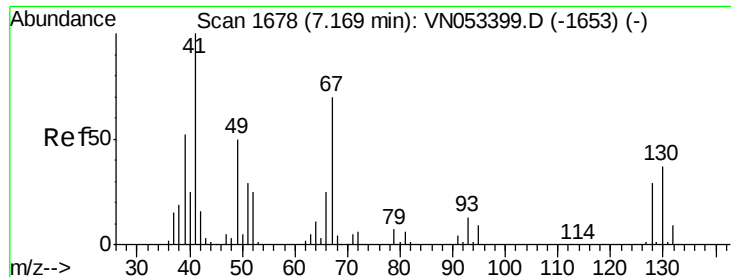
#40
Benzene
Concen: 52.466 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN053533.D
Acq: 28 Jan 2019 9:21

Tgt Ion	78	Resp	1621139
Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.8	28.2



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0

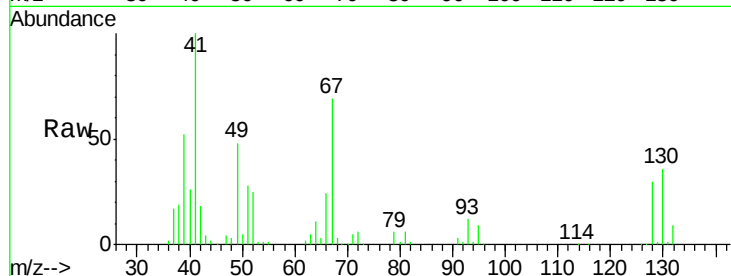




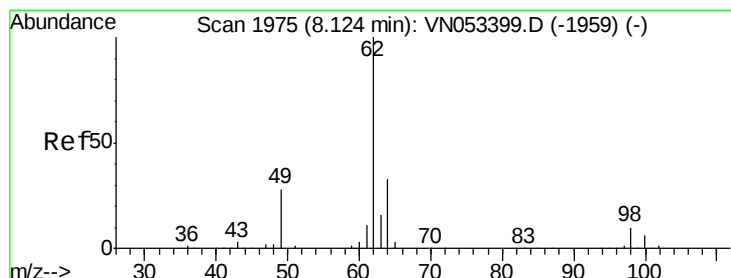
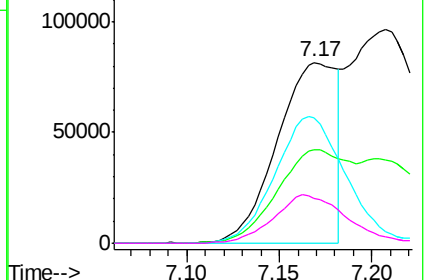
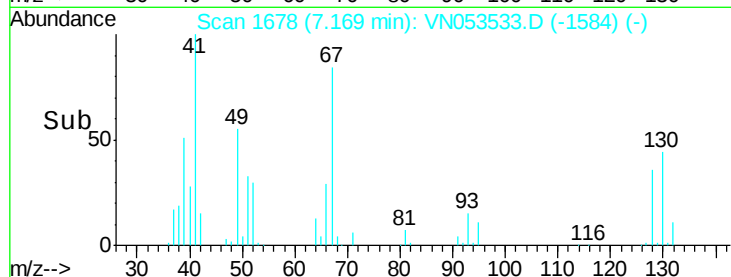
#41
Methacrylonitrile
Concen: 52.199 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. 0.00 min
Lab File: VN053533.D
Acq: 28 Jan 2019 9:21

Instrument :
MSVOA_N
ClientSampled :
BFB

Tot Ion: 41 Resp: 181553
Ion Ratio Lower Upper
41 100
39 63.3 46.8 70.2
67 84.7 63.0 94.6
52 32.3 23.8 35.8

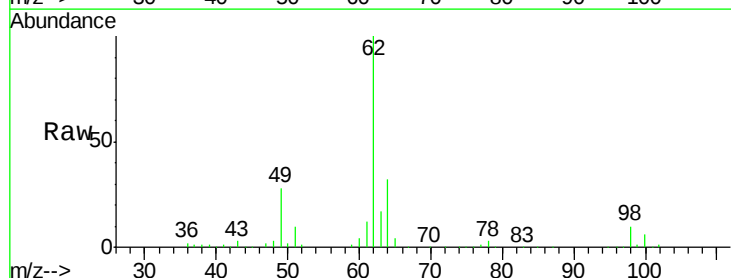


Abundance Ion 41.00 (40.70 to 41.70): VNC
150000 Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

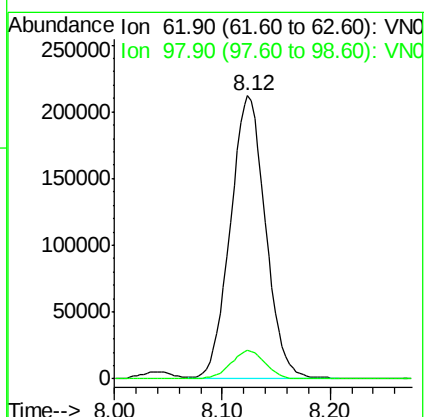
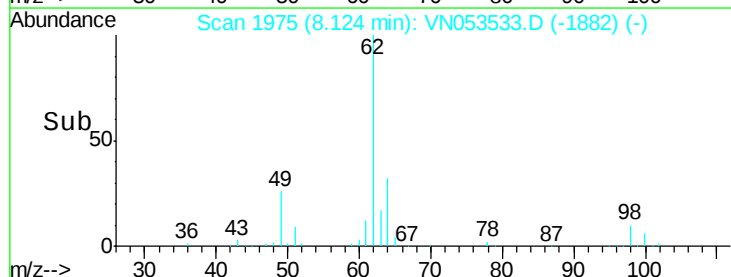


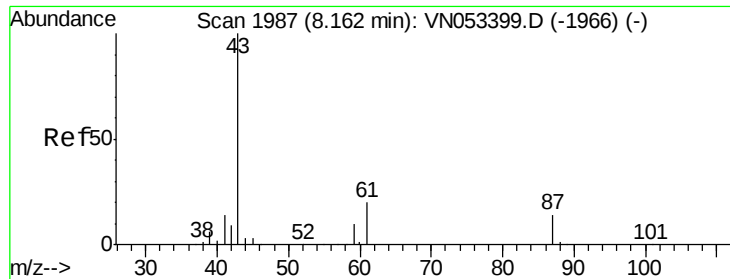
#42
1,2-Dichloroethane
Concen: 53.238 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN053533.D
Acq: 28 Jan 2019 9:21

Tgt Ion: 62 Resp: 479231
Ion Ratio Lower Upper
62 100
98 9.9 0.0 19.6



Abundance Ion 61.90 (61.60 to 62.60): VNC
250000 Ion 97.90 (97.60 to 98.60): VNC





#43

Isopropyl Acetate

Concen: 54.395 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN053533.D

Acq: 28 Jan 2019 9:21

Instrument :

MSVOA_N

ClientSampled :

BFB

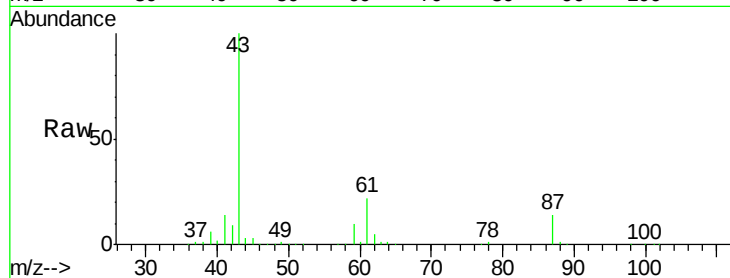
Tot Ion: 43 Resp: 572172

Ion Ratio Lower Upper

43 100

61 30.9 23.9 35.9

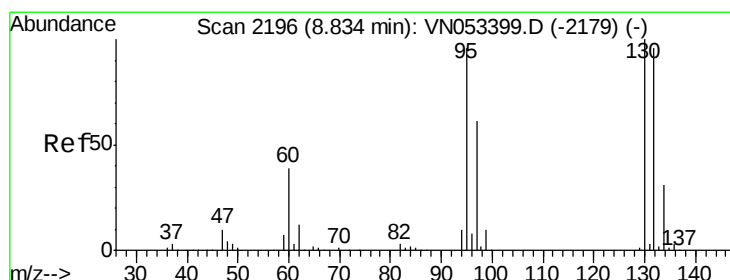
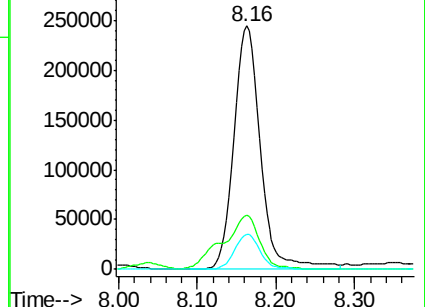
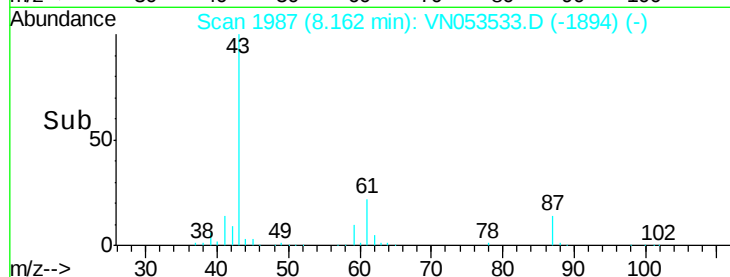
87 13.8 11.0 16.6



Abundance Ion 43.00 (42.70 to 43.70): VN053399.D (-1966) (-)

Ion 61.00 (60.70 to 61.70): VN053399.D (-1966) (-)

Ion 87.00 (86.70 to 87.70): VN053399.D (-1966) (-)



#44

Trichloroethene

Concen: 53.103 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN053533.D

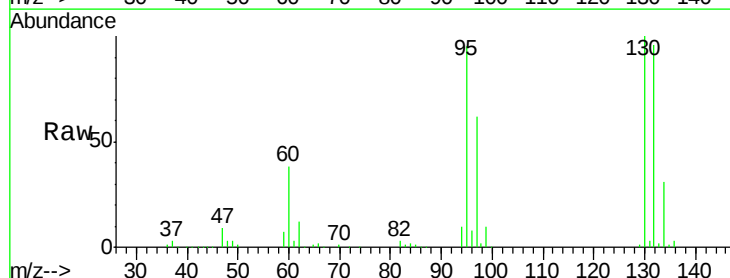
Acq: 28 Jan 2019 9:21

Tgt Ion: 130 Resp: 455027

Ion Ratio Lower Upper

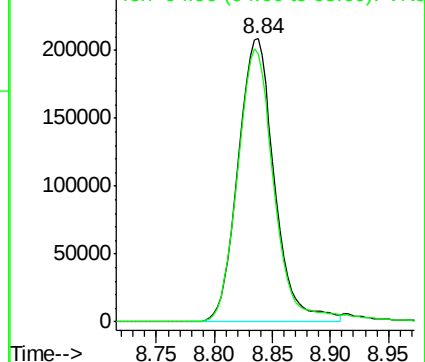
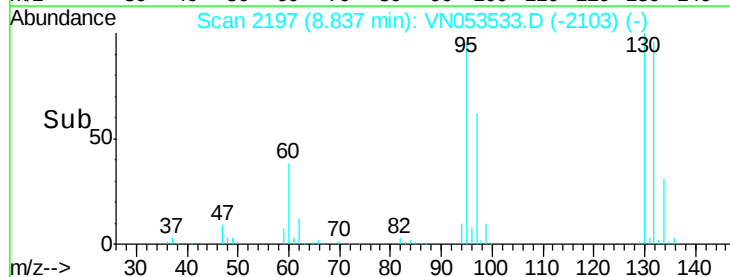
130 100

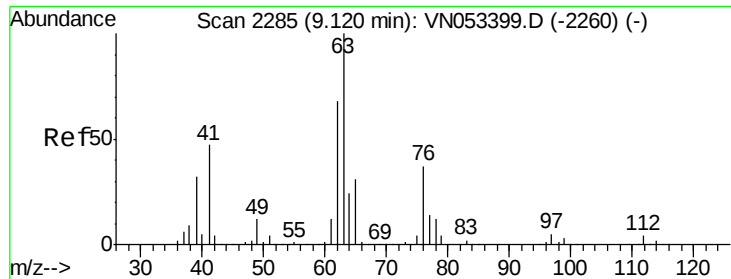
95 94.6 0.0 191.4



Abundance Ion 129.80 (129.50 to 130.50): VN053399.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN053399.D (-2179) (-)





#45

1,2-Dichloropropane

Concen: 52.395 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN053533.D

Acq: 28 Jan 2019 9:21

Instrument :

MSVOA_N

ClientSampled :

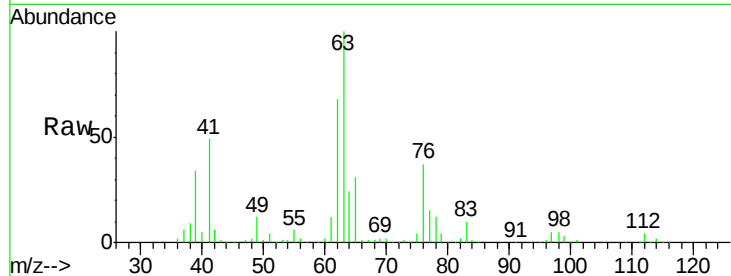
BFB

Tot Ion: 63 Resp: 428808

Ion Ratio Lower Upper

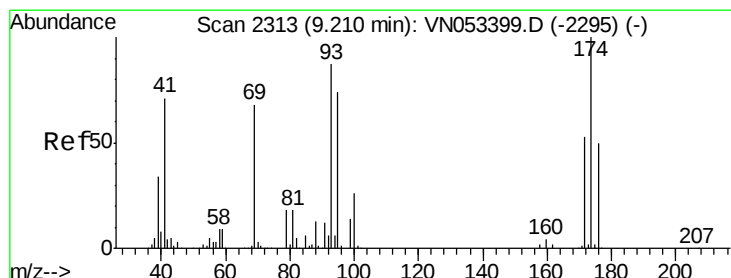
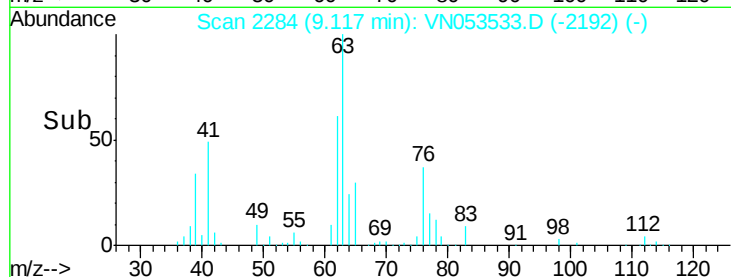
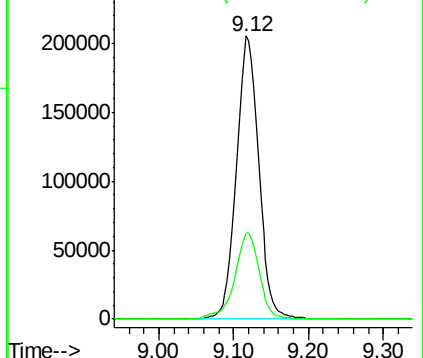
63 100

65 30.6 25.0 37.4



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 53.266 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN053533.D

Acq: 28 Jan 2019 9:21

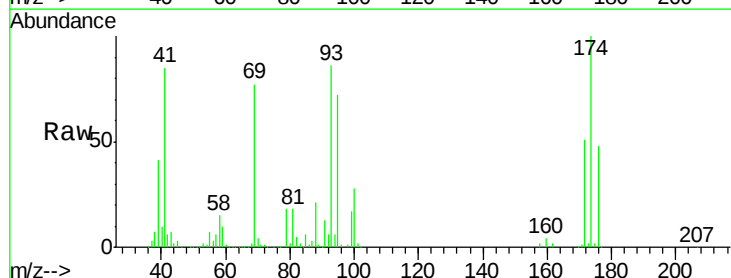
Tgt Ion: 93 Resp: 250462

Ion Ratio Lower Upper

93 100

95 83.4 67.3 100.9

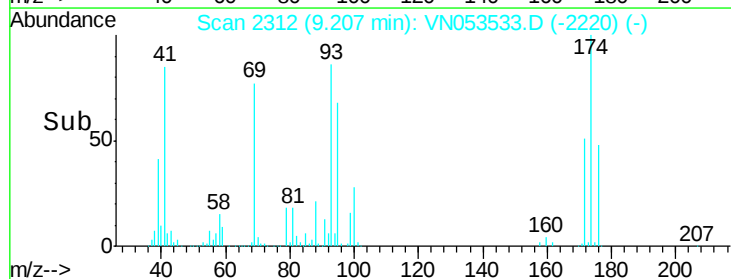
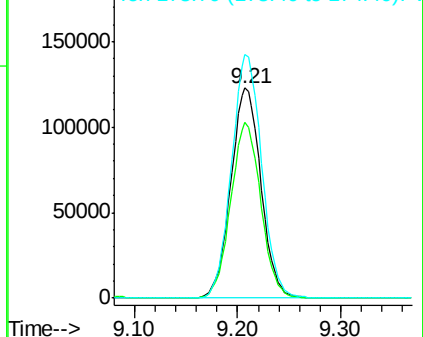
174 115.9 91.0 136.4

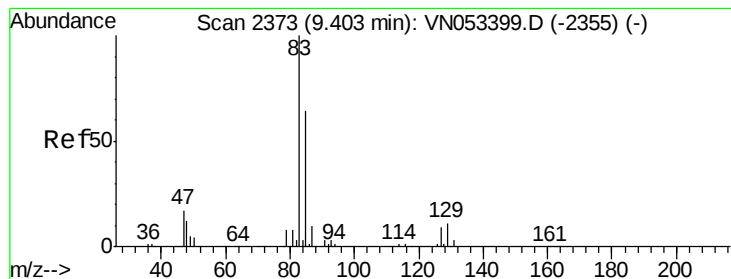


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 54.939 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN053533.D

Acq: 28 Jan 2019 9:21

Instrument :

MSVOA_N

ClientSampleId :

BFB

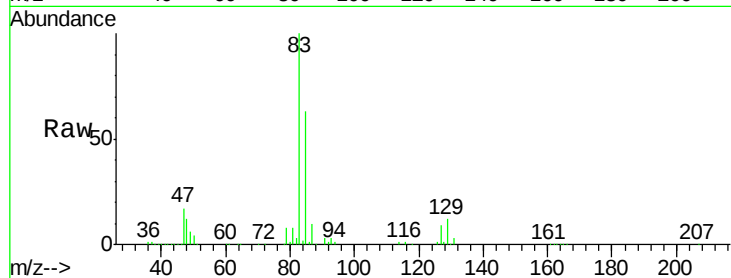
Tot Ion: 83 Resp: 543261

Ion Ratio Lower Upper

83 100

85 63.3 51.0 76.6

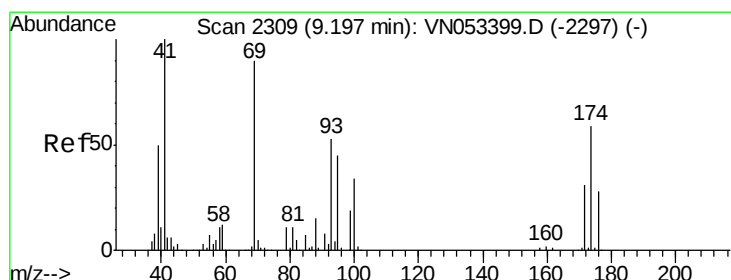
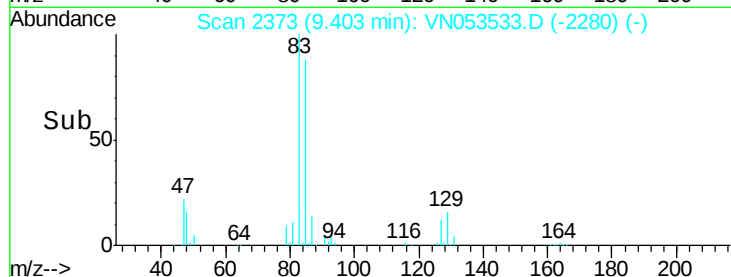
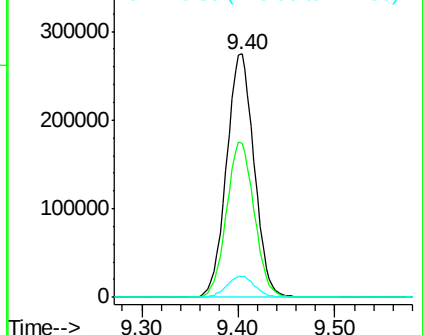
127 8.8 7.0 10.6



Abundance Ion 82.90 (82.60 to 83.60): VN053533.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN053533.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN053533.D (-2280) (-)



#48

Methyl methacrylate

Concen: 51.263 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN053533.D

Acq: 28 Jan 2019 9:21

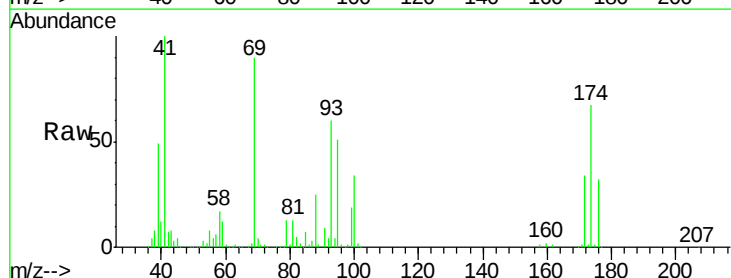
Tgt Ion: 41 Resp: 278418

Ion Ratio Lower Upper

41 100

69 97.7 73.8 110.6

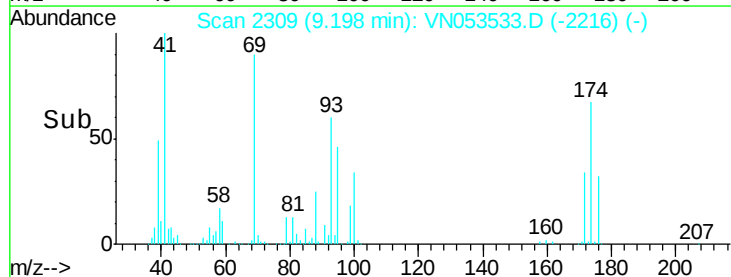
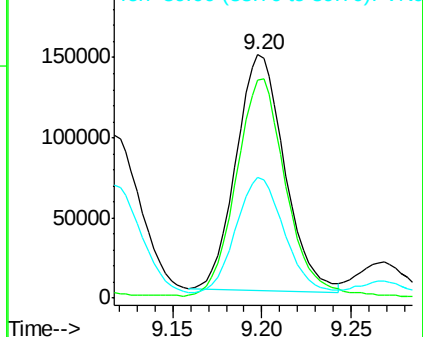
39 54.1 40.0 60.0

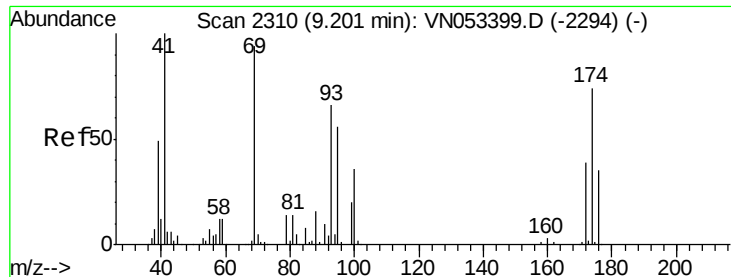


Abundance Ion 41.00 (40.70 to 41.70): VN053533.D (-2216) (-)

Ion 69.00 (68.70 to 69.70): VN053533.D (-2216) (-)

Ion 39.00 (38.70 to 39.70): VN053533.D (-2216) (-)





#49

1,4-Dioxane

Concen: 1552.806 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN053533.D

Acq: 28 Jan 2019 9:21

Instrument :

MSVOA_N

ClientSampleId :

BFB

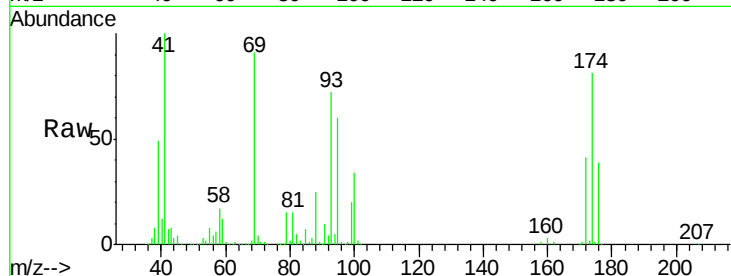
Tot Ion: 88 Resp: 82364

Ion Ratio Lower Upper

88 100

43 29.9 27.8 41.6

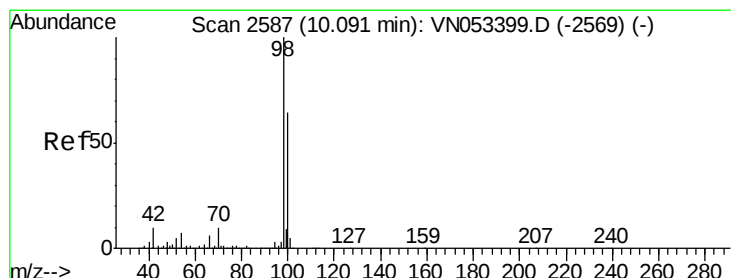
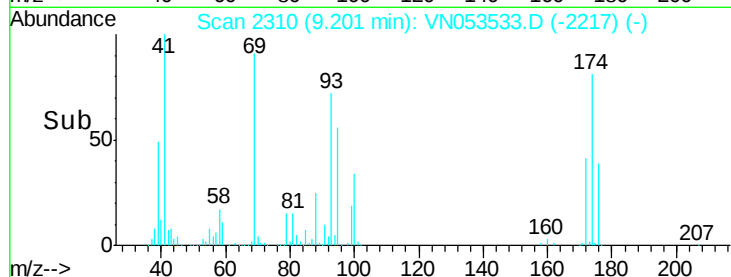
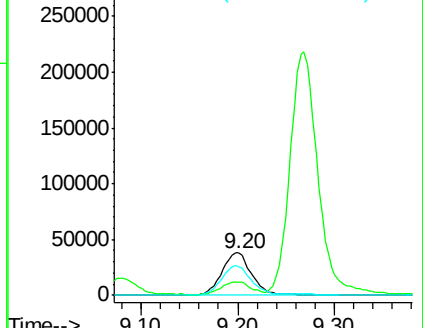
58 68.5 56.5 84.7



Abundance Ion 88.00 (87.70 to 88.70): VN053533.D (-2217) (-)

Ion 43.00 (42.70 to 43.70): VN053533.D (-2217) (-)

Ion 58.00 (57.70 to 58.70): VN053533.D (-2217) (-)



#50

Toluene-d8

Concen: 1552.806 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053533.D

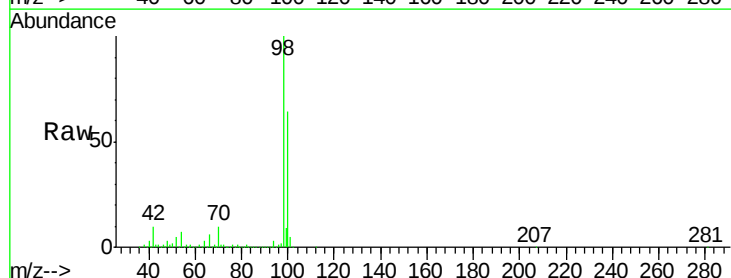
Acq: 28 Jan 2019 9:21

Tgt Ion: 98 Resp: 1375567

Ion Ratio Lower Upper

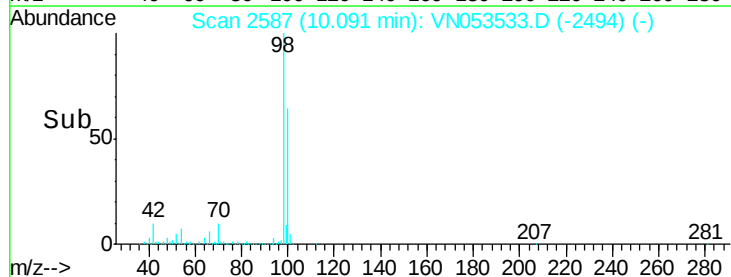
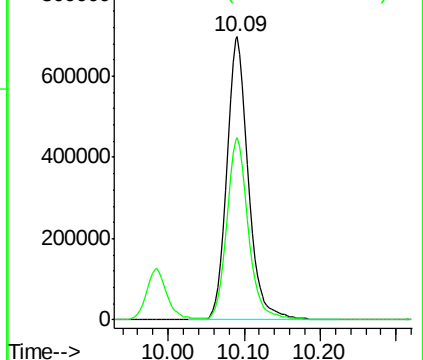
98 100

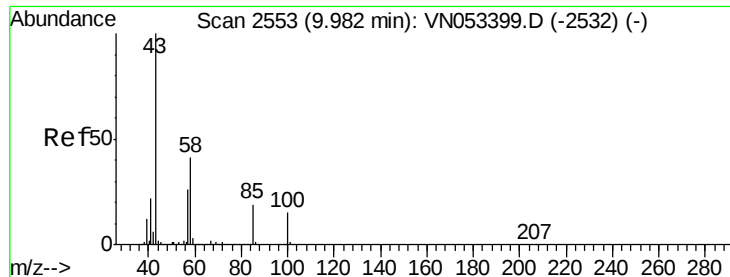
100 64.9 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VN053533.D (-2494) (-)

Ion 100.00 (99.70 to 100.70): VN053533.D (-2494) (-)

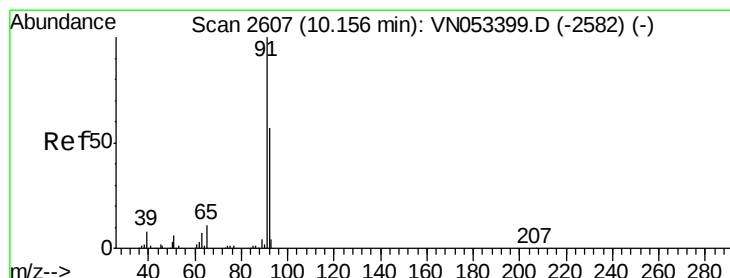
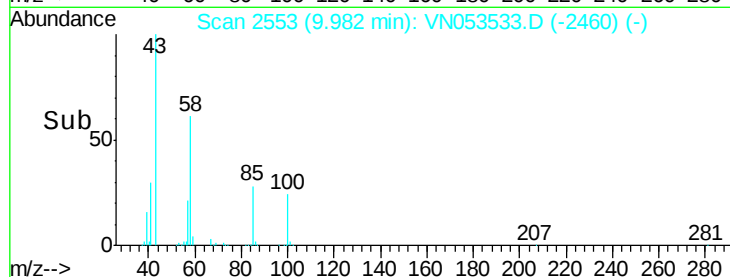
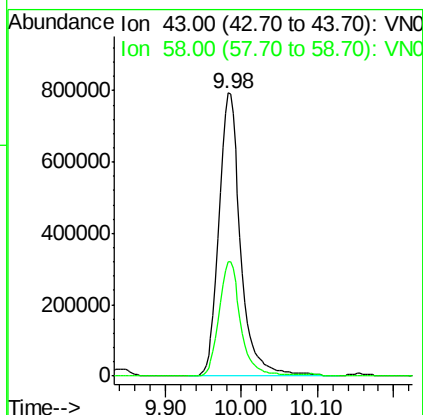
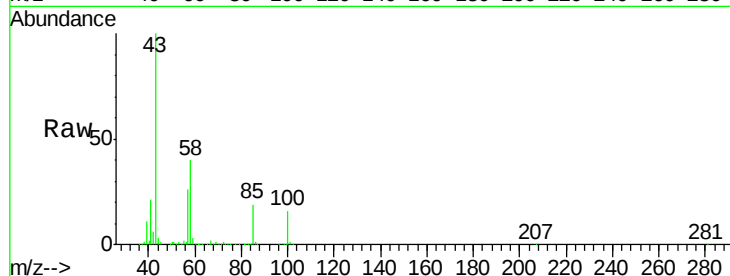




#51
 4-Methyl-2-Pentanone
 Concen: 273.289 ug/l
 RT: 9.98 min Scan# 2553
 Delta R.T. 0.00 min
 Lab File: VN053533.D
 Acq: 28 Jan 2019 9:21

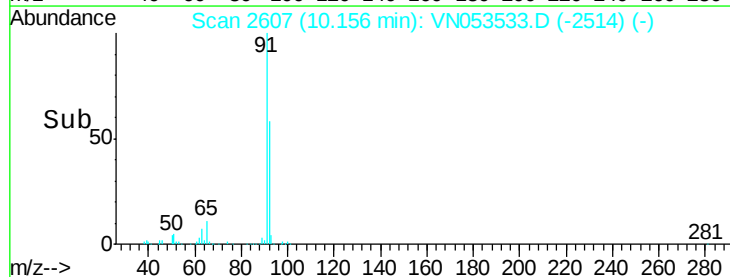
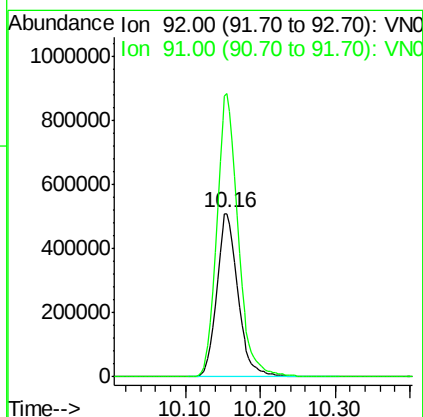
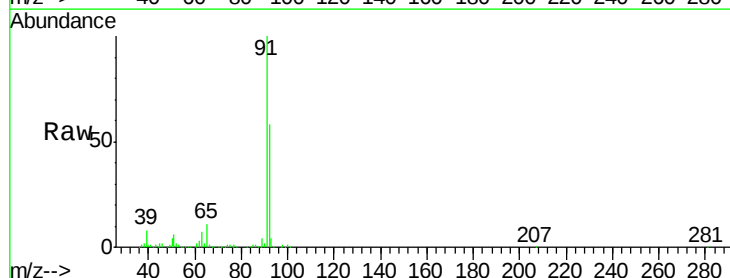
Instrument :
 MSVOA_N
 ClientSampleId :
 BFB

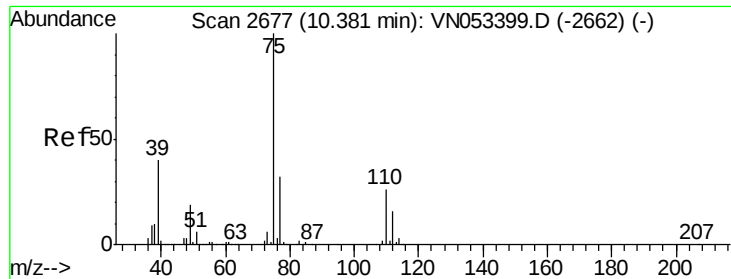
Tot Ion: 43 Resp: 1569283
 Ion Ratio Lower Upper
 43 100
 58 40.2 32.8 49.2



#52
 Toluene
 Concen: 52.314 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. 0.00 min
 Lab File: VN053533.D
 Acq: 28 Jan 2019 9:21

Tgt Ion: 92 Resp: 1003518
 Ion Ratio Lower Upper
 92 100
 91 174.0 139.9 209.9





#53

t-1,3-Dichloropropene

Concen: 55.872 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN053533.D

Acq: 28 Jan 2019 9:21

Instrument :

MSVOA_N

ClientSampleId :

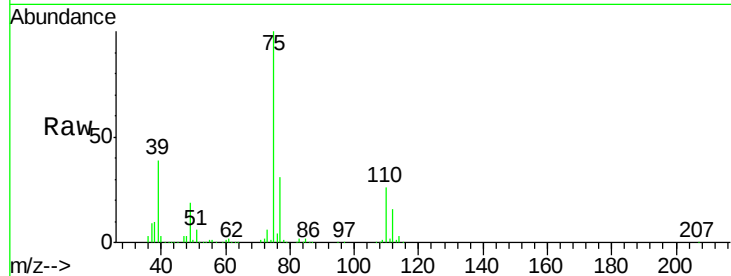
BFB

Tot Ion: 75 Resp: 559998

Ion Ratio Lower Upper

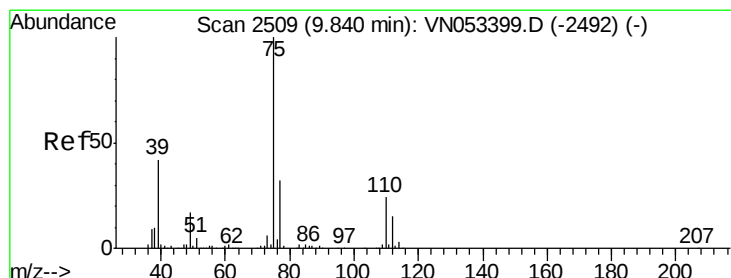
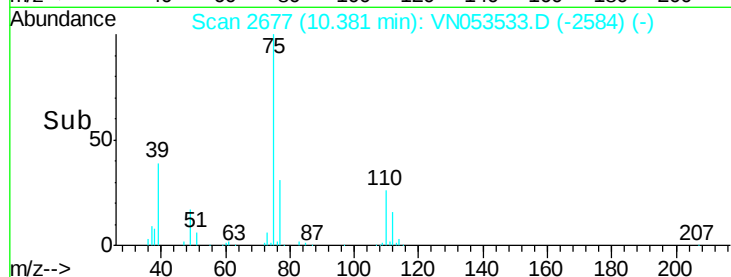
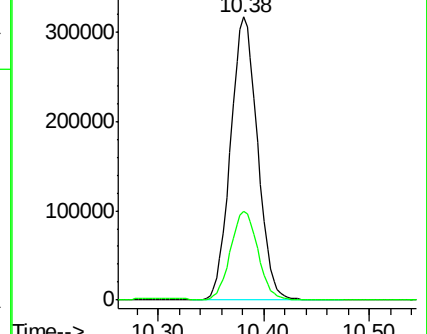
75 100

77 31.3 25.5 38.3



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: 55.626 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. -0.00 min

Lab File: VN053533.D

Acq: 28 Jan 2019 9:21

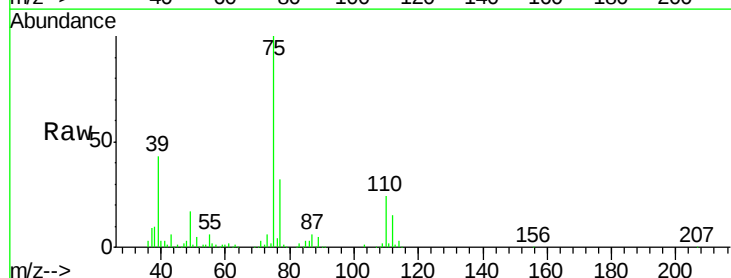
Tgt Ion: 75 Resp: 653577

Ion Ratio Lower Upper

75 100

77 32.3 25.8 38.6

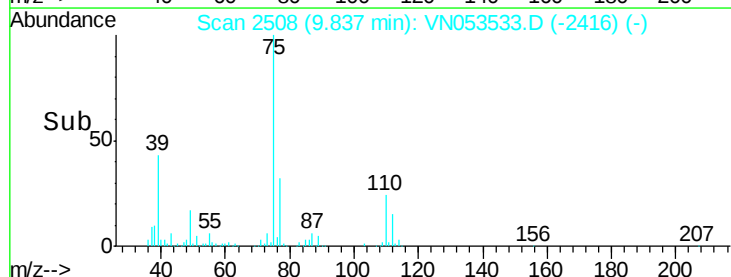
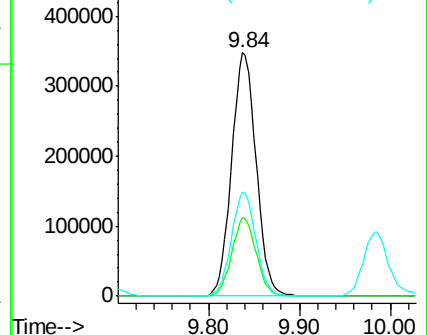
39 42.6 33.4 50.0

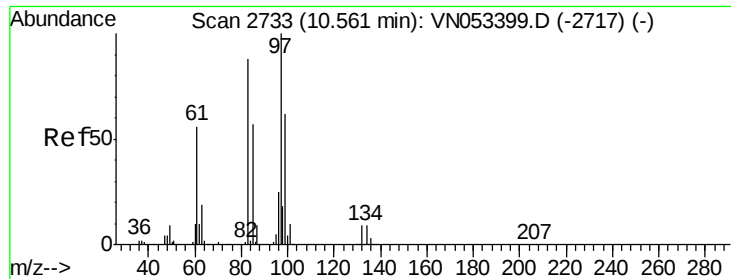


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

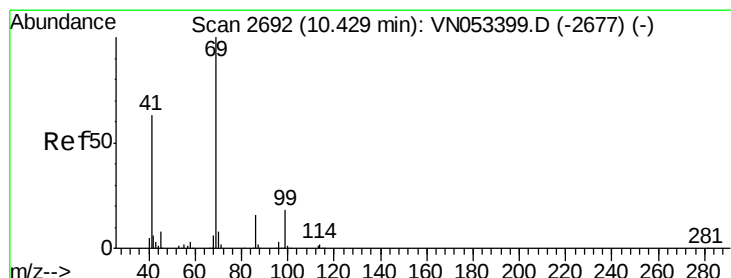
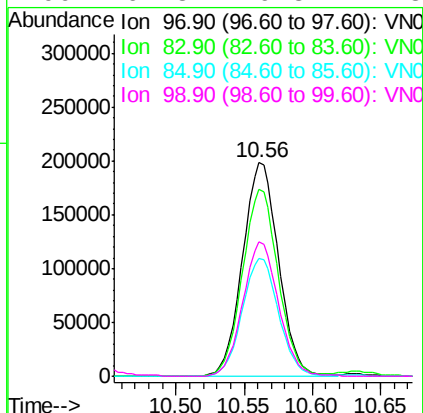
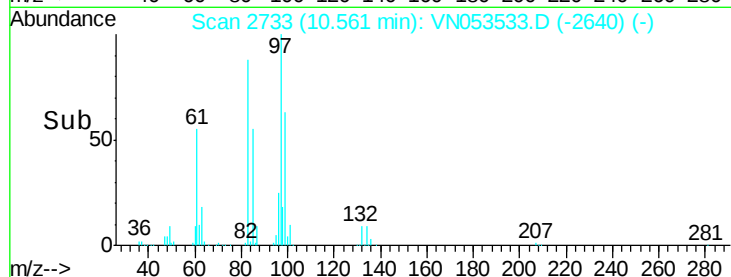
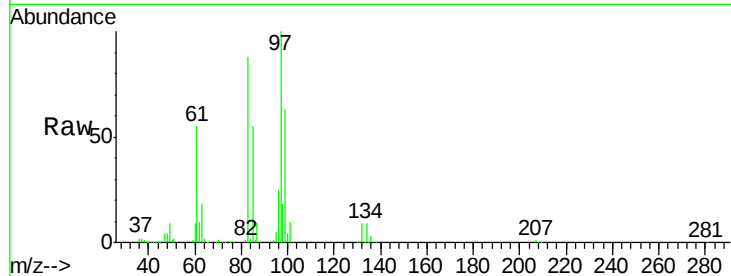




#55
 1,1,2-Trichloroethane
 Concen: 55.135 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN053533.D
 Acq: 28 Jan 2019 9:21

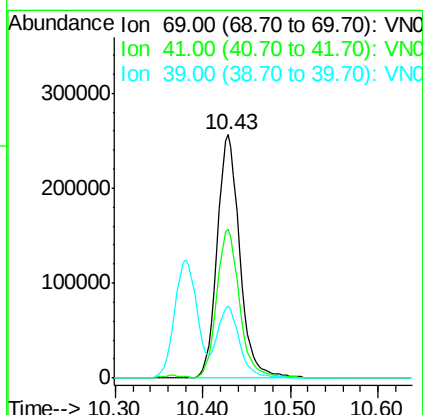
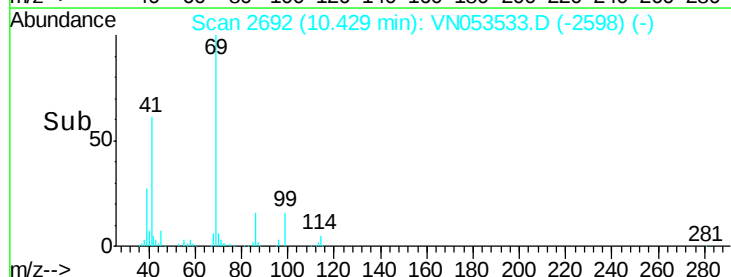
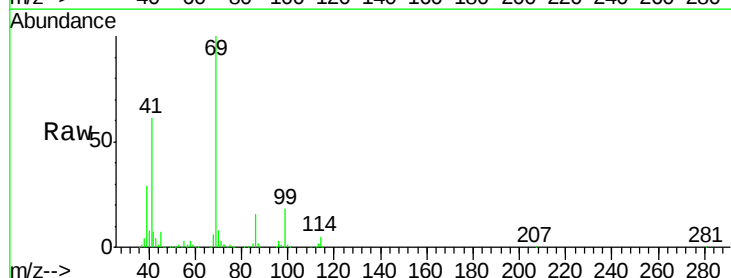
Instrument :
 MSVOA_N
 ClientSampled :
 BFB

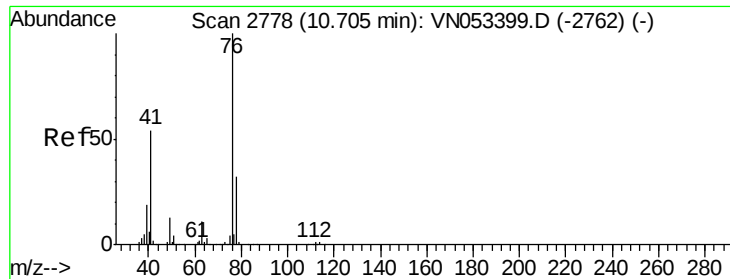
Tot Ion	97	Resp	364633
Ion	Ratio	Lower	Upper
97	100		
83	87.6	70.1	105.1
85	55.1	45.4	68.0
99	62.8	49.8	74.8



#56
 Ethyl methacrylate
 Concen: 49.115 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053533.D
 Acq: 28 Jan 2019 9:21

Tgt Ion	69	Resp	460621
Ion	Ratio	Lower	Upper
69	100		
41	61.5	49.4	74.0
39	29.1	23.3	34.9





#57

1,3-Dichloropropane

Concen: 53.586 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN053533.D

Acq: 28 Jan 2019 9:21

Instrument :

MSVOA_N

ClientSampleId :

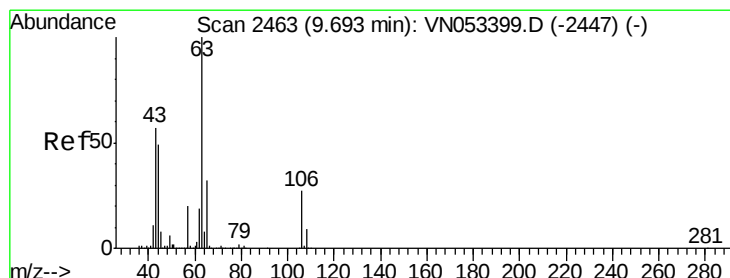
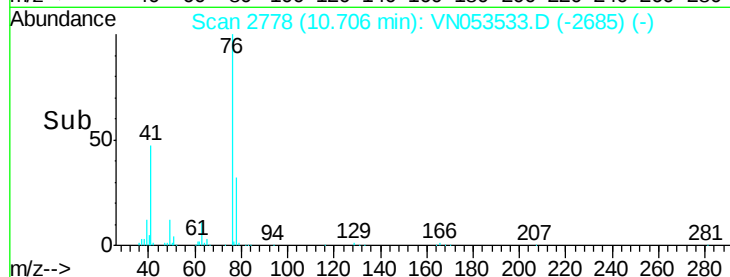
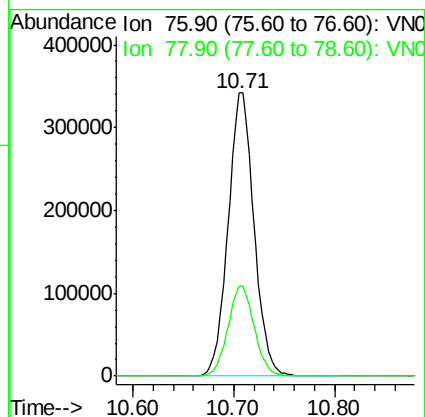
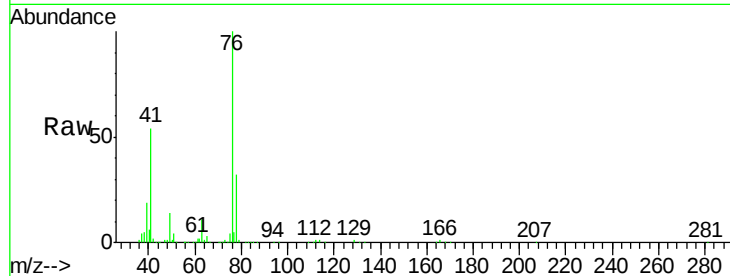
BFB

Tot Ion: 76 Resp: 613049

Ion Ratio Lower Upper

76 100

78 32.2 25.6 38.4



#58

2-Chloroethyl Vinyl ether

Concen: 274.775 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. 0.00 min

Lab File: VN053533.D

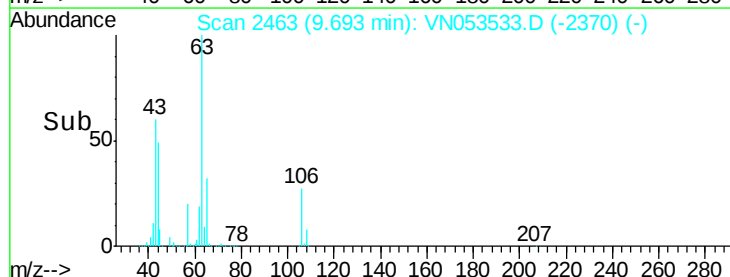
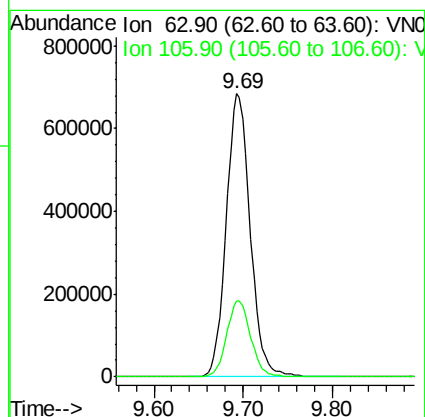
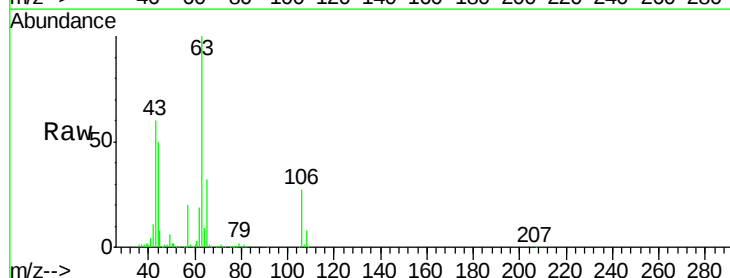
Acq: 28 Jan 2019 9:21

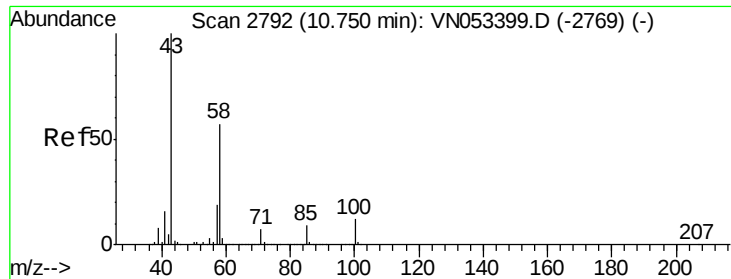
Tgt Ion: 63 Resp: 1271300

Ion Ratio Lower Upper

63 100

106 27.0 21.5 32.3

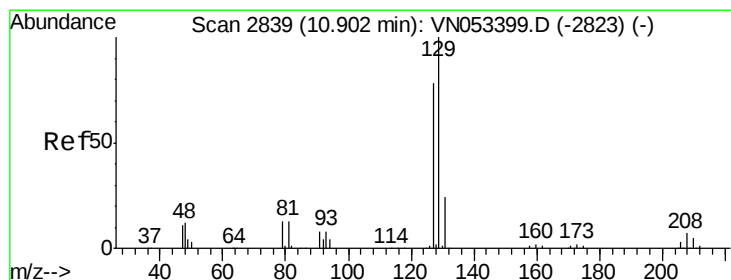
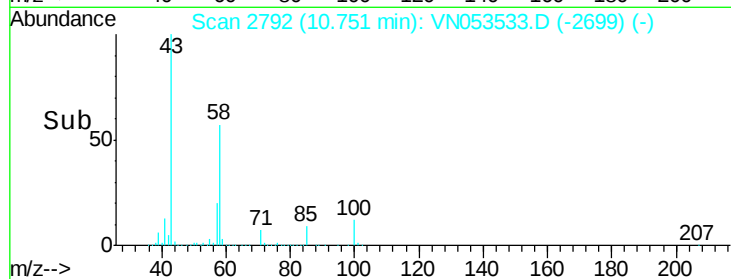
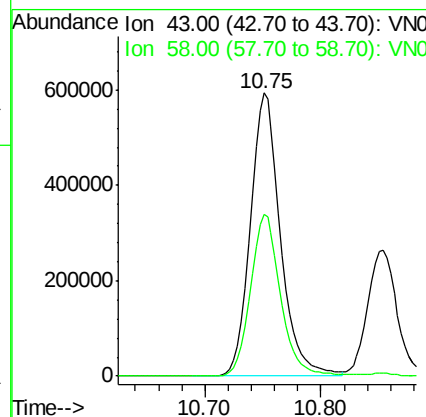
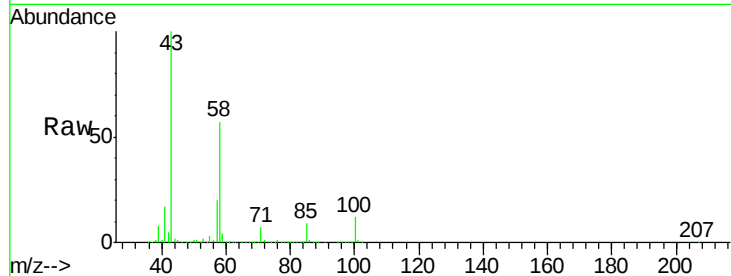




#59
2-Hexanone
Concen: 265.104 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN053533.D
Acq: 28 Jan 2019 9:21

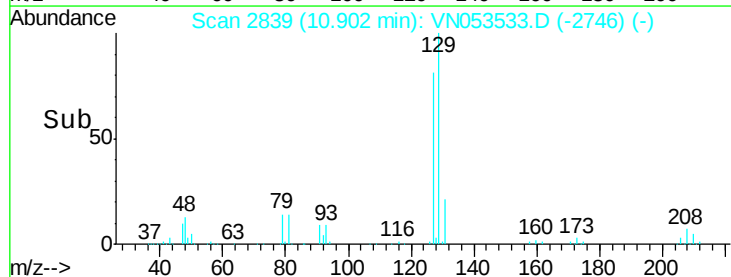
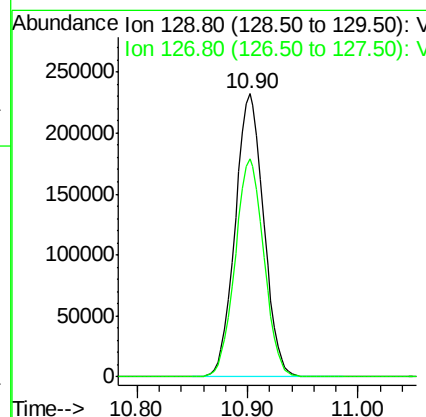
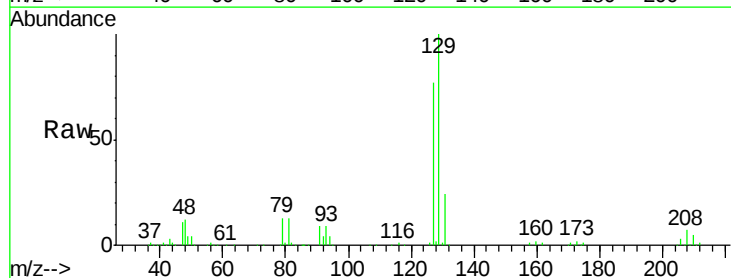
Instrument :
MSVOA_N
ClientSampleId :
BFB

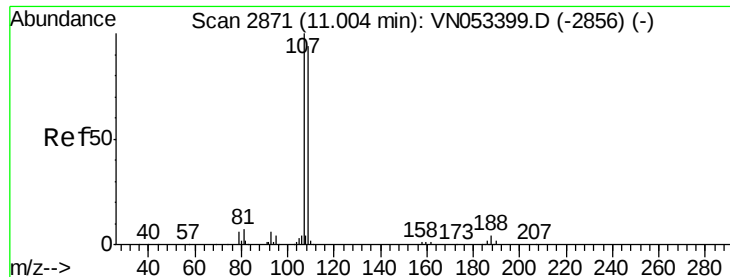
Tot Ion: 43 Resp: 1068627
Ion Ratio Lower Upper
43 100
58 57.3 28.6 85.8



#60
Dibromochloromethane
Concen: 55.599 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN053533.D
Acq: 28 Jan 2019 9:21

Tgt Ion: 129 Resp: 417052
Ion Ratio Lower Upper
129 100
127 77.5 38.6 115.8





#61

1,2-Dibromoethane

Concen: 53.480 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN053533.D

Acq: 28 Jan 2019 9:21

Instrument :

MSVOA_N

ClientSampleId :

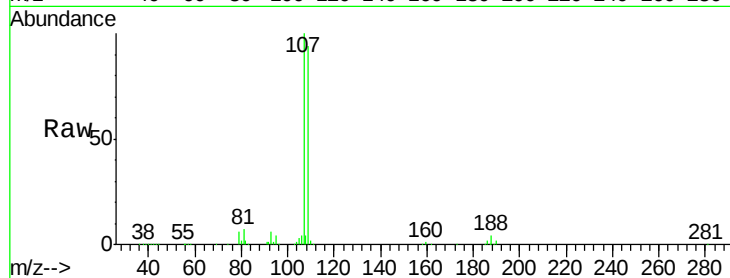
BFB

Tot Ion: 107 Resp: 357708

Ion Ratio Lower Upper

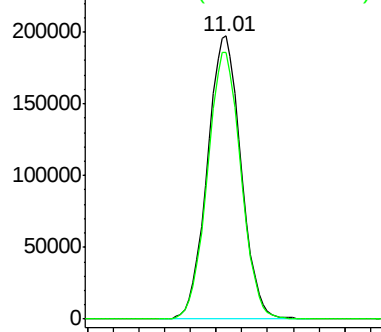
107 100

109 94.0 75.7 113.5

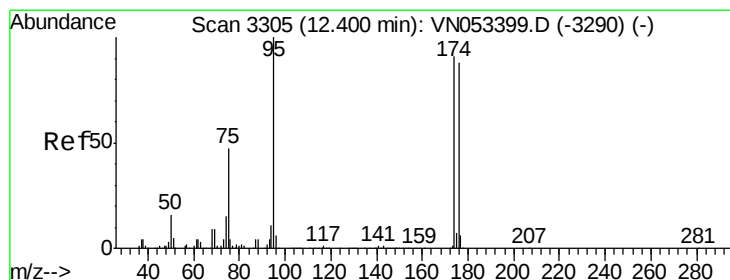
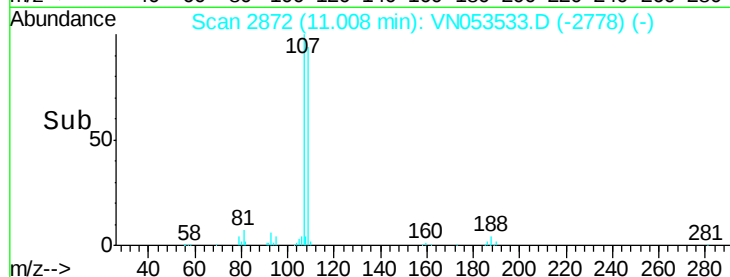


Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



Time--> 10.90 11.00 11.10



#62

4-Bromofluorobenzene

Concen: 53.480 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN053533.D

Acq: 28 Jan 2019 9:21

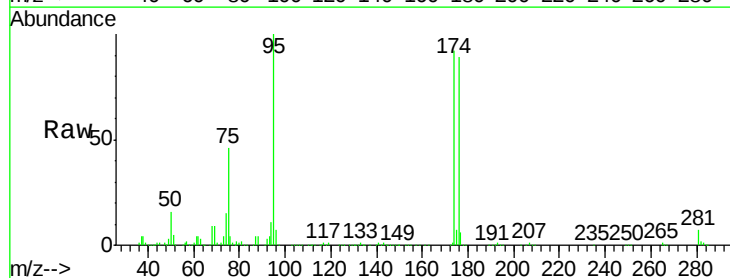
Tgt Ion: 95 Resp: 487081

Ion Ratio Lower Upper

95 100

174 92.0 0.0 183.2

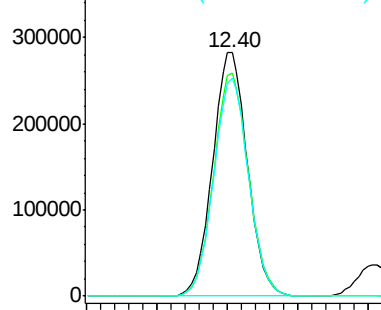
176 89.8 0.0 177.4



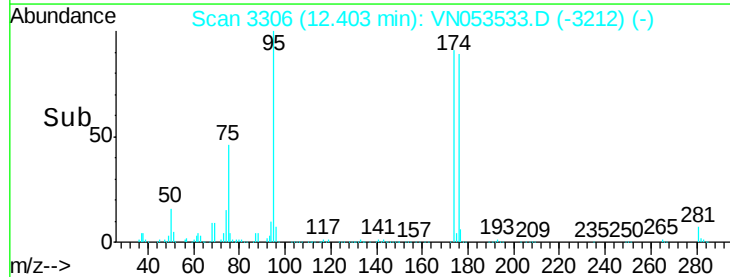
Abundance Ion 94.90 (94.60 to 95.60): V

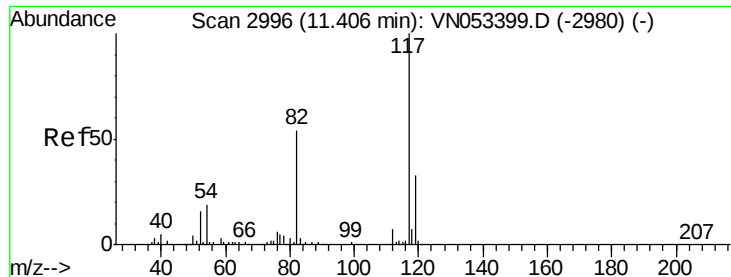
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



Time--> 12.30 12.35 12.40 12.45

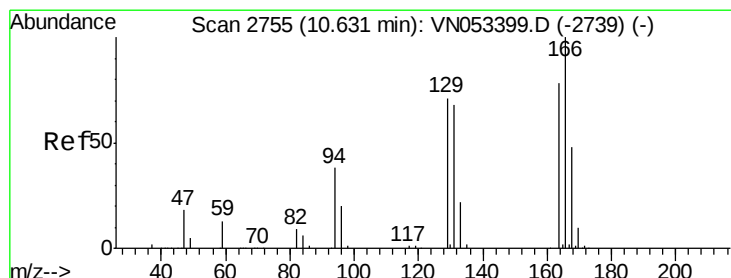
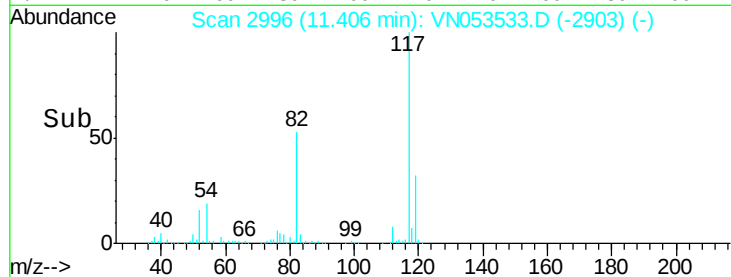
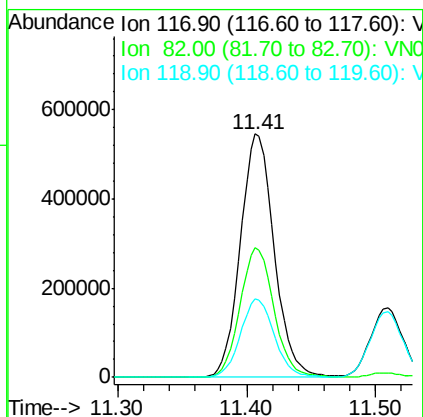
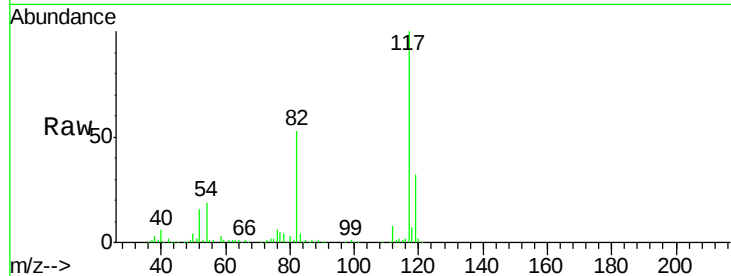




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053533.D
Acq: 28 Jan 2019 9:21

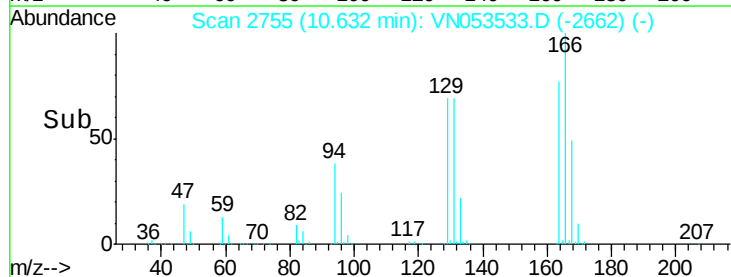
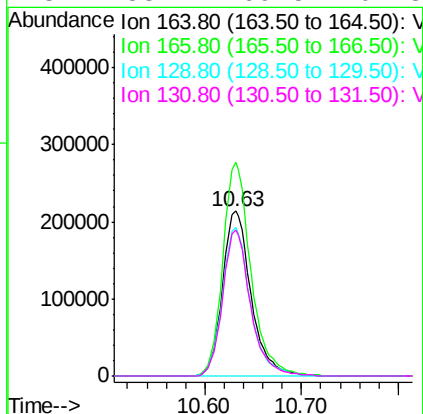
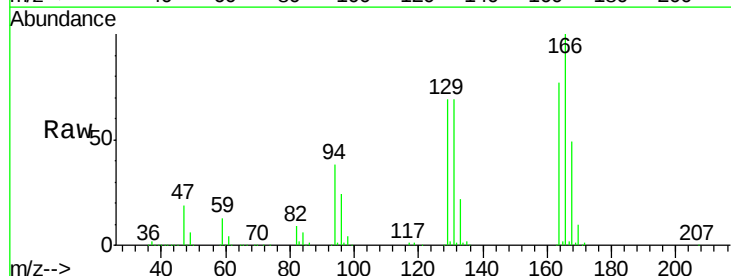
Instrument :
MSVOA_N
ClientSampleId :
BFB

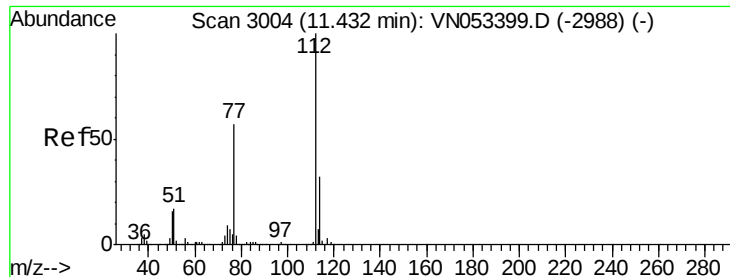
Tot Ion:117 Resp: 999112
Ion Ratio Lower Upper
117 100
82 53.0 42.9 64.3
119 32.1 26.0 39.0



#64
Tetrachloroethene
Concen: 46.488 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053533.D
Acq: 28 Jan 2019 9:21

Tgt Ion:164 Resp: 437714
Ion Ratio Lower Upper
164 100
166 129.5 102.2 153.4
129 89.9 72.6 109.0
131 88.7 69.5 104.3

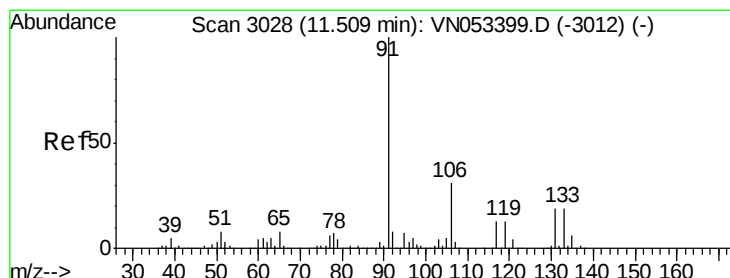
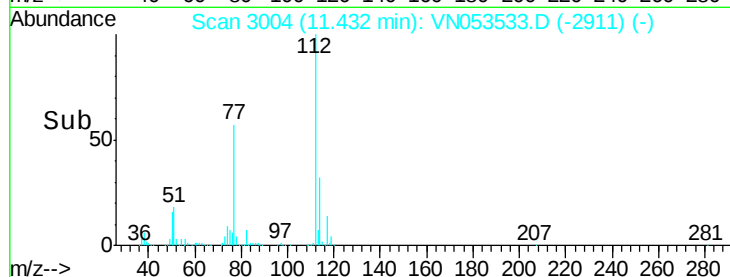
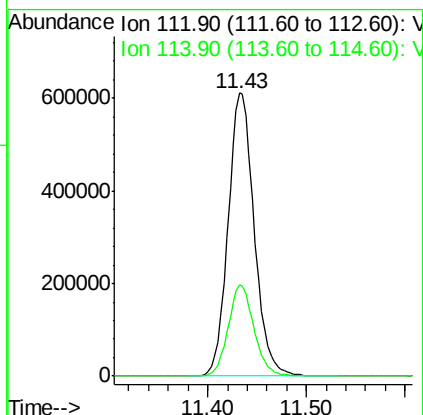
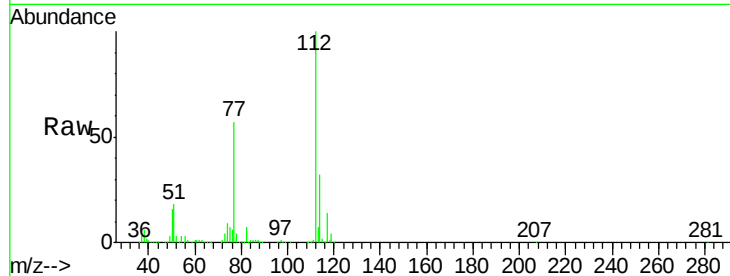




#65
Chlorobenzene
Concen: 53.406 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN053533.D
Acq: 28 Jan 2019 9:21

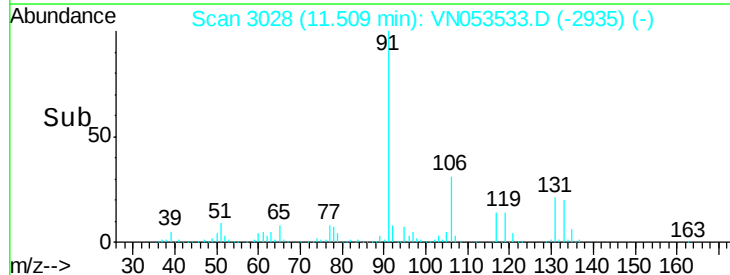
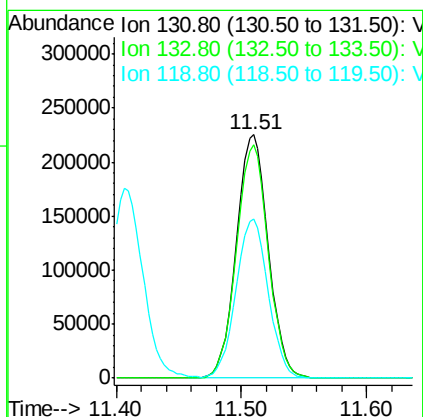
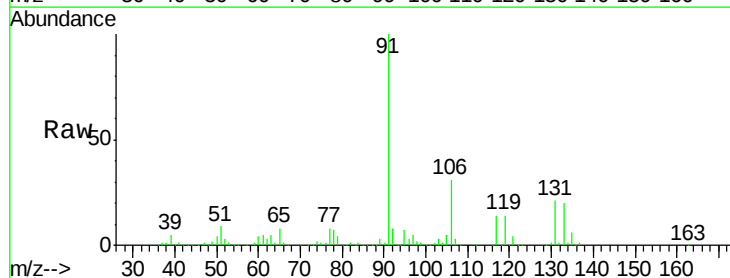
Instrument :
MSVOA_N
ClientSampleId :
BFB

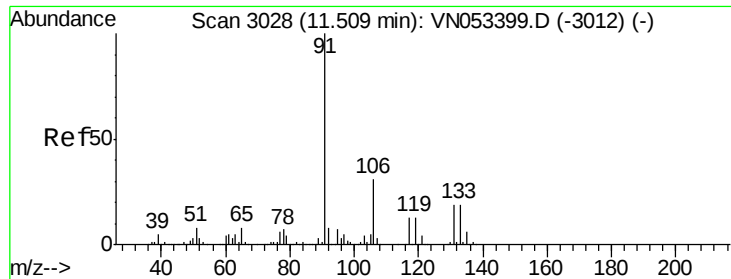
Tot Ion:112 Resp: 1129415
Ion Ratio Lower Upper
112 100
114 32.3 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 54.046 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN053533.D
Acq: 28 Jan 2019 9:21

Tgt Ion:131 Resp: 397621
Ion Ratio Lower Upper
131 100
133 95.9 48.0 144.0
119 66.2 33.5 100.5

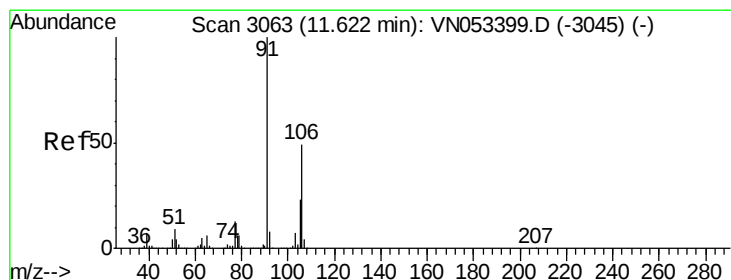
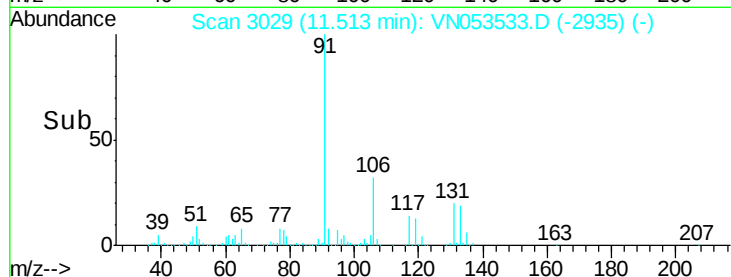
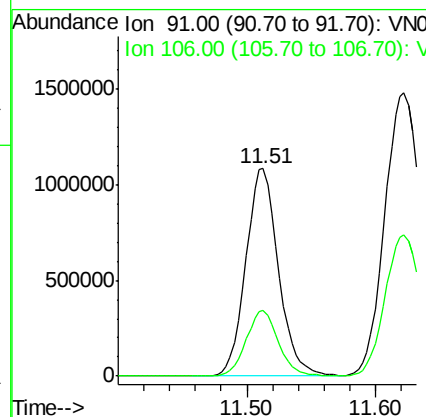
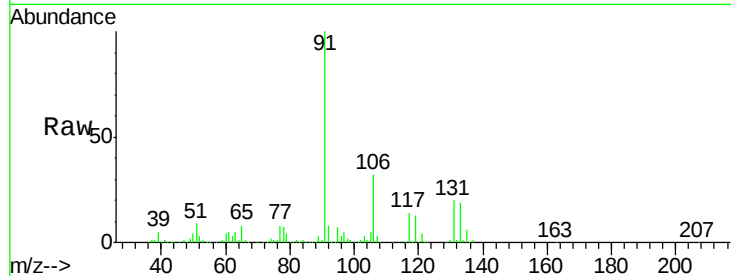




#67
Ethyl Benzene
Concen: 52.945 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN053533.D
Acq: 28 Jan 2019 9:21

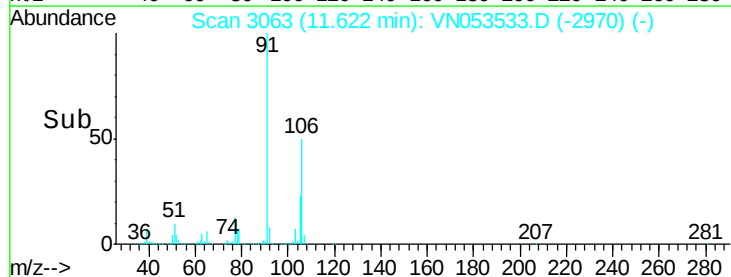
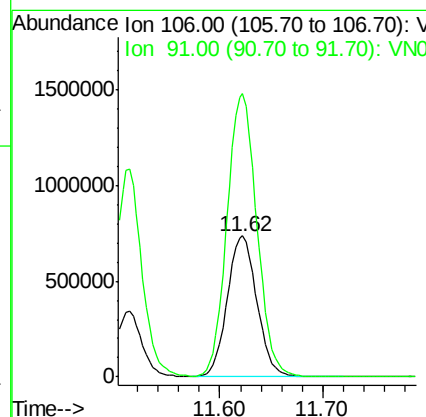
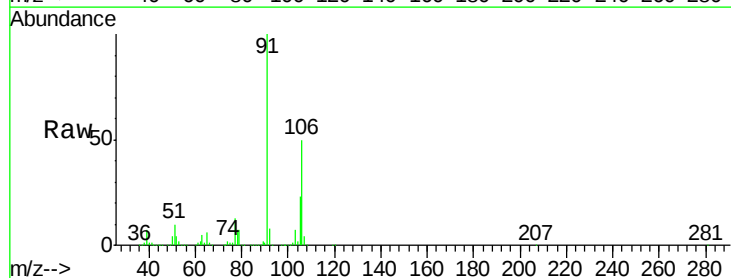
Instrument :
MSVOA_N
ClientSampled :
BFB

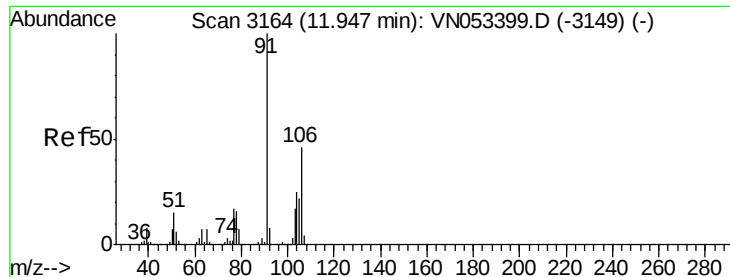
Tot Ion: 91 Resp: 1908206
Ion Ratio Lower Upper
91 100
106 31.5 25.0 37.6



#68
m/p-Xylenes
Concen: 108.258 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053533.D
Acq: 28 Jan 2019 9:21

Tgt Ion: 106 Resp: 1473130
Ion Ratio Lower Upper
106 100
91 202.0 161.4 242.2





#69

o-Xylene

Concen: 54.015 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. 0.00 min

Lab File: VN053533.D

Acq: 28 Jan 2019 9:21

Instrument :

MSVOA_N

ClientSampled :

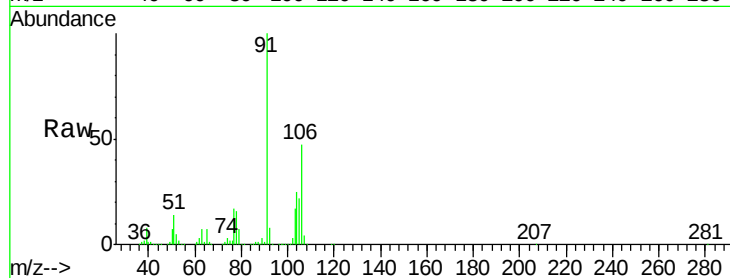
BFB

Tot Ion:106 Resp: 714199

Ion Ratio Lower Upper

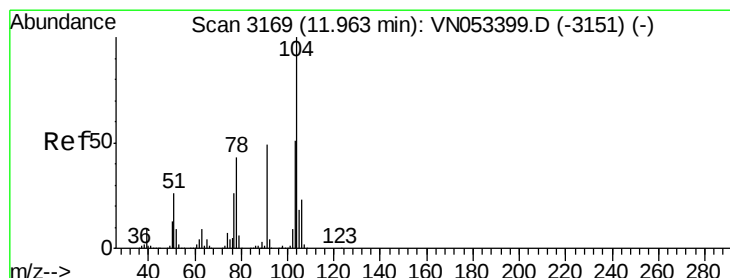
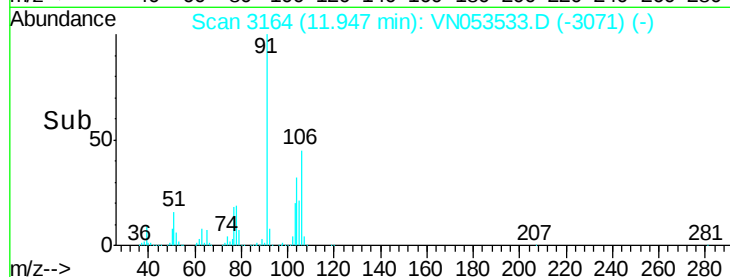
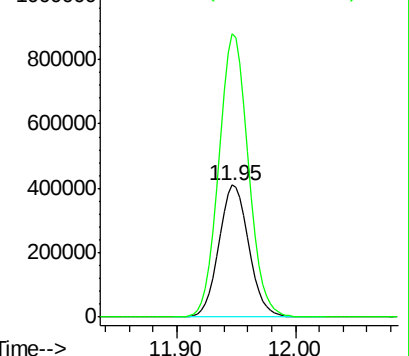
106 100

91 212.1 106.9 320.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#70

Styrene

Concen: 55.471 ug/l

RT: 11.96 min Scan# 3169

Delta R.T. 0.00 min

Lab File: VN053533.D

Acq: 28 Jan 2019 9:21

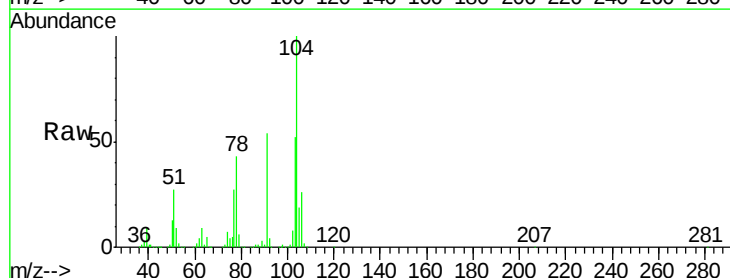
Tgt Ion:104 Resp: 1190372

Ion Ratio Lower Upper

104 100

78 47.4 38.2 57.2

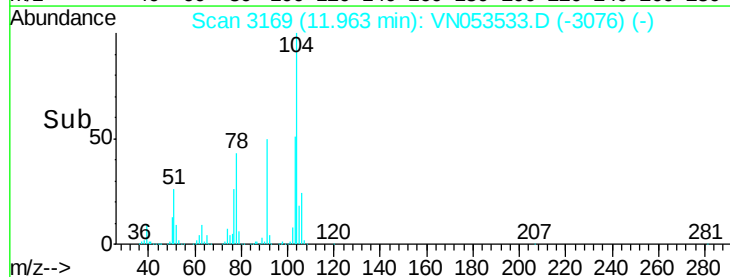
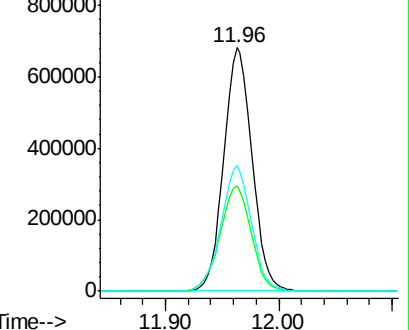
103 55.0 44.4 66.6

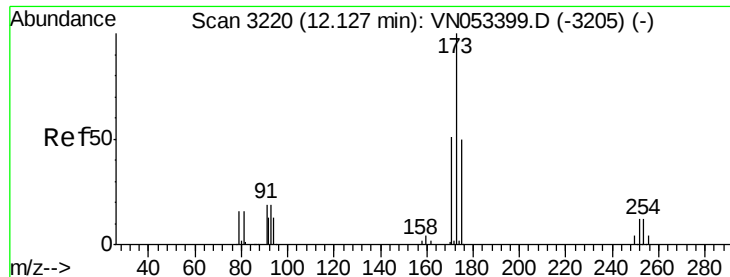


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 56.429 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN053533.D

Acq: 28 Jan 2019 9:21

Instrument :

MSVOA_N

ClientSampled :

BFB

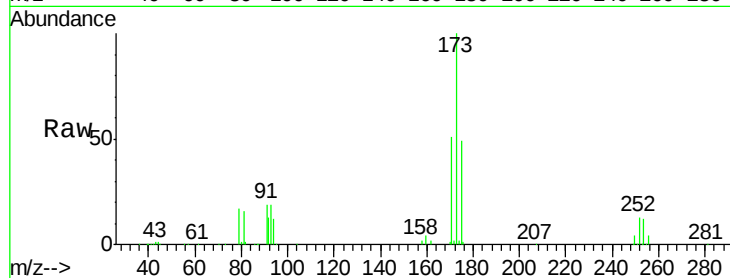
Tot Ion:173 Resp: 285807

Ion Ratio Lower Upper

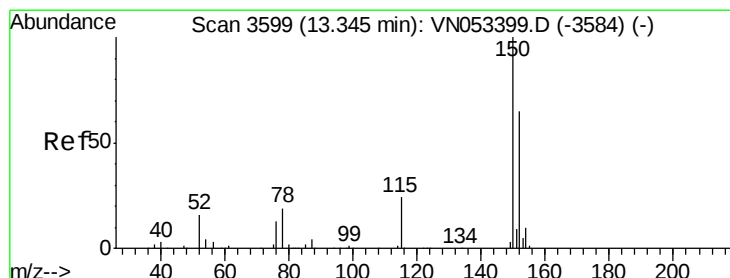
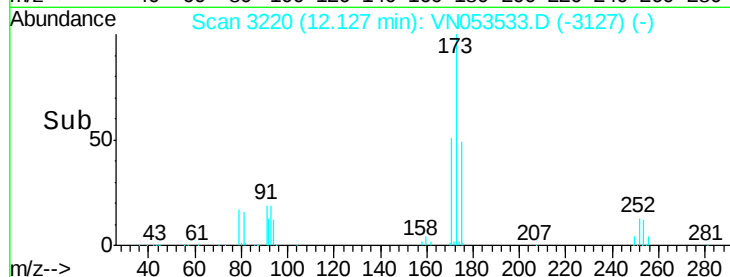
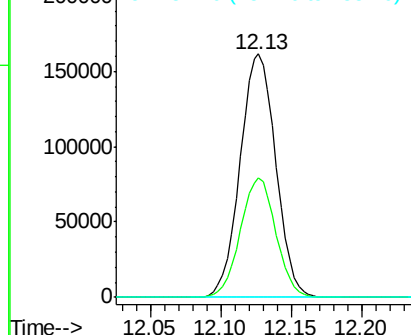
173 100

175 48.9 24.6 74.0

254 0.1 0.2 0.2#



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: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN053533.D

Acq: 28 Jan 2019 9:21

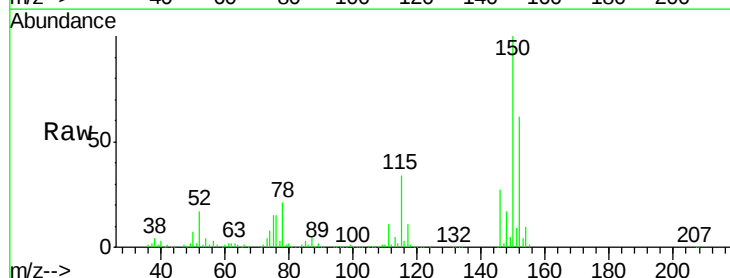
Tgt Ion:152 Resp: 505583

Ion Ratio Lower Upper

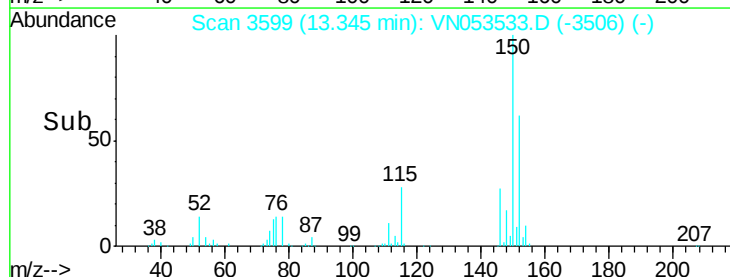
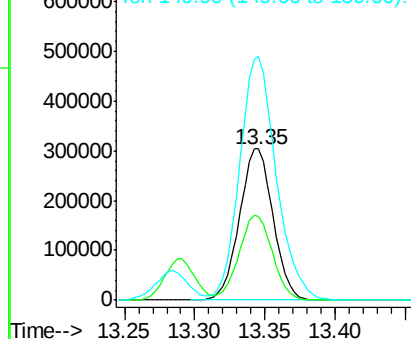
152 100

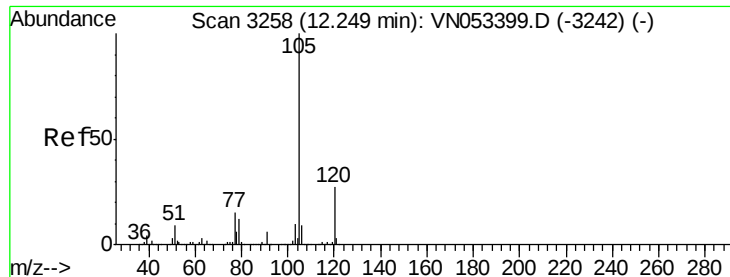
115 55.9 27.8 83.4

150 175.9 0.0 349.0



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: 51.295 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053533.D

Acq: 28 Jan 2019 9:21

Instrument :

MSVOA_N

ClientSampled :

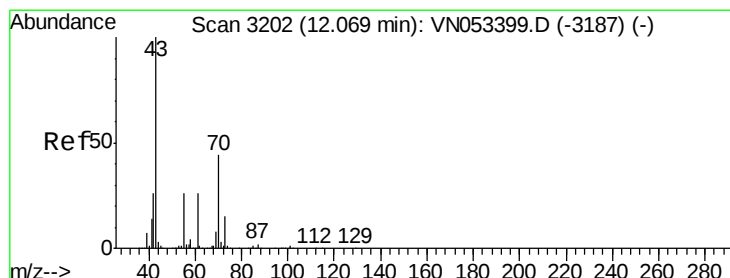
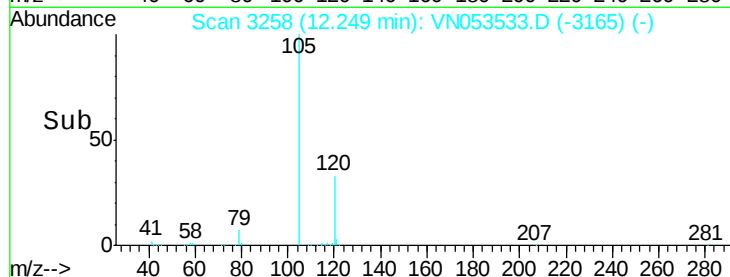
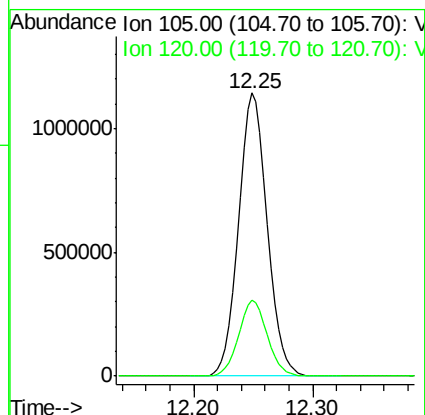
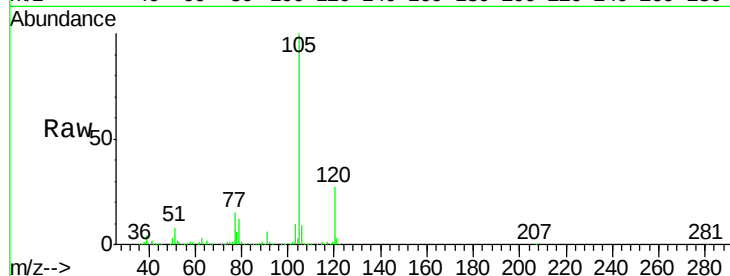
BFB

Tot Ion:105 Resp: 1899169

Ion Ratio Lower Upper

105 100

120 26.8 13.6 40.7



#74

N-ethyl acetate

Concen: 49.872 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN053533.D

Acq: 28 Jan 2019 9:21

Tgt Ion: 43 Resp: 492227

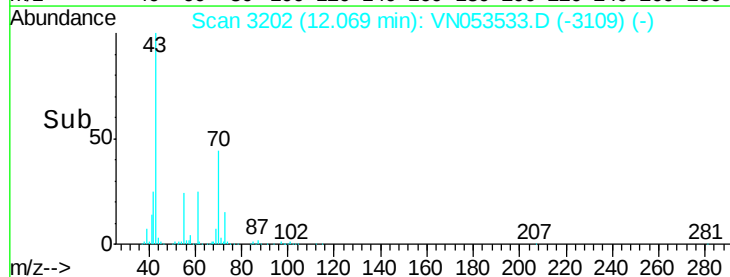
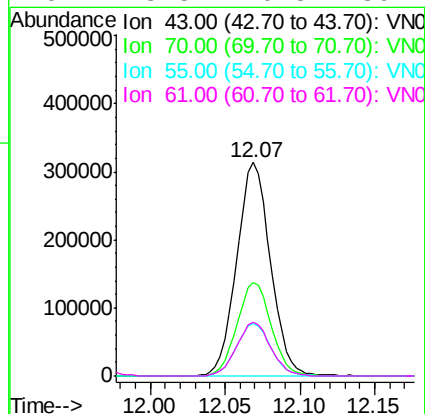
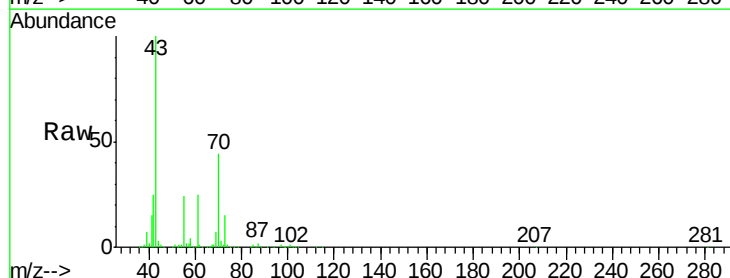
Ion Ratio Lower Upper

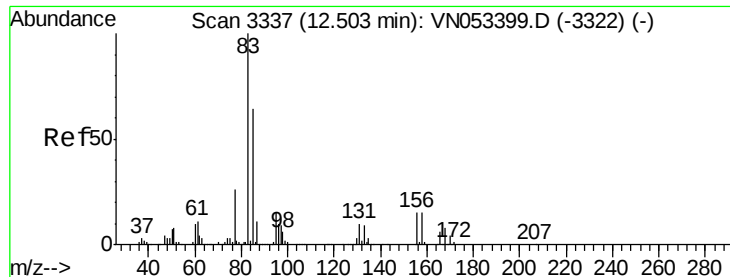
43 100

70 44.7 35.4 53.2

55 25.2 20.9 31.3

61 25.5 20.5 30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 56.658 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN053533.D

Acq: 28 Jan 2019 9:21

Instrument :

MSVOA_N

ClientSampleId :

BFB

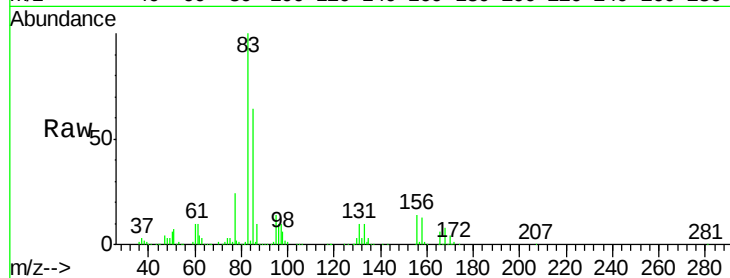
Tot Ion: 83 Resp: 439948

Ion Ratio Lower Upper

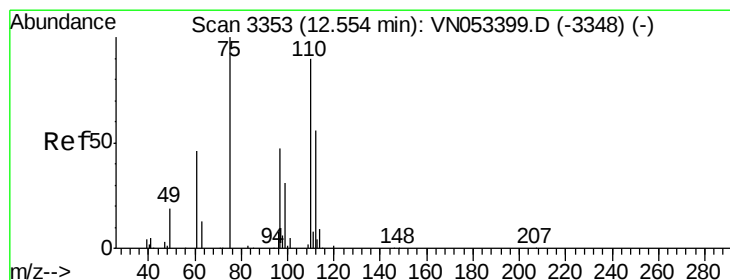
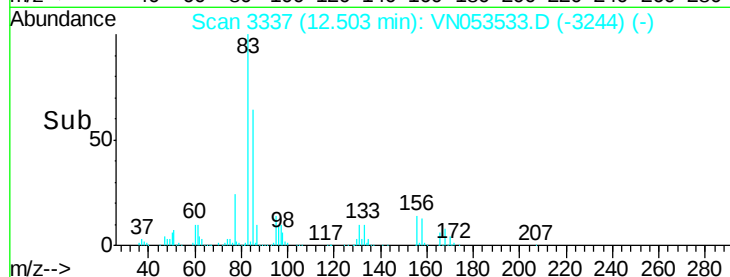
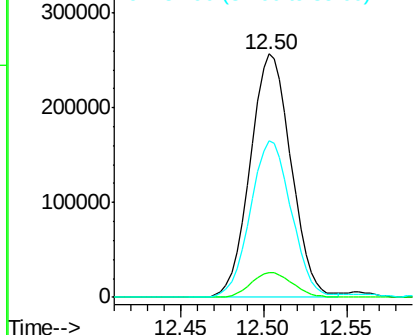
83 100

131 10.4 5.3 15.8

85 64.6 32.1 96.3



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 83.452 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN053533.D

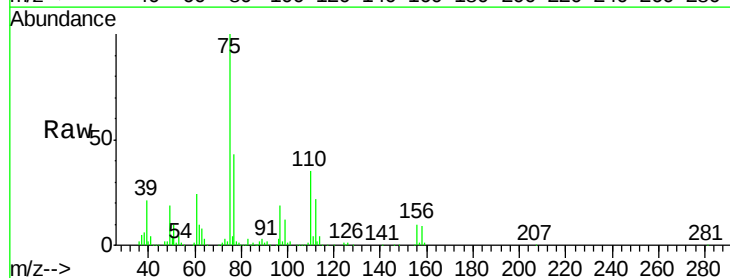
Acq: 28 Jan 2019 9:21

Tgt Ion: 75 Resp: 556007

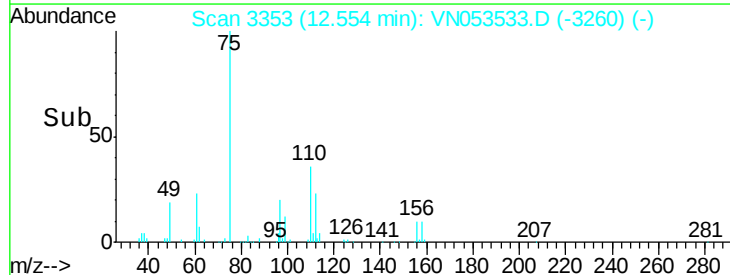
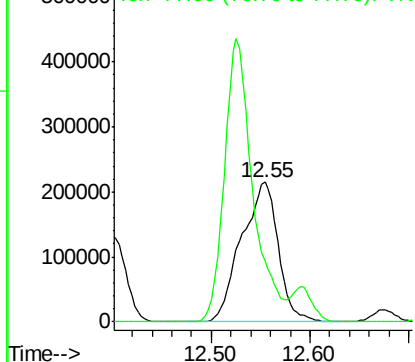
Ion Ratio Lower Upper

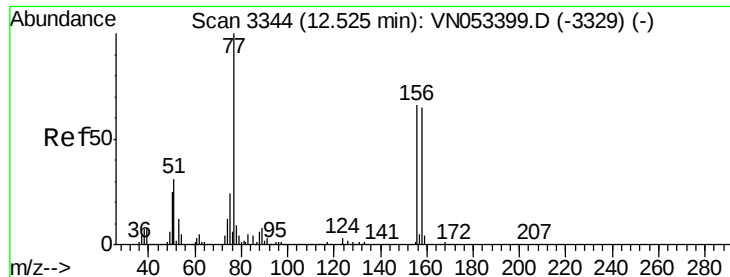
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 51.394 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053533.D

Acq: 28 Jan 2019 9:21

Instrument :

MSVOA_N

ClientSampleId :

BFB

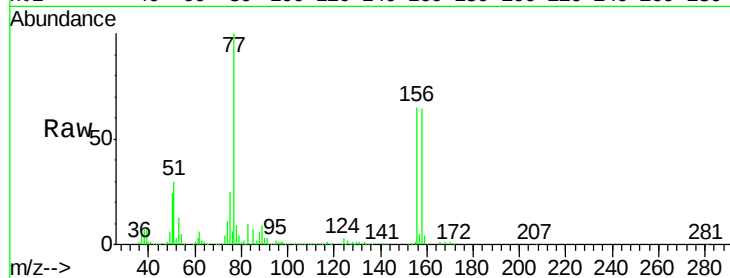
Tot Ion:156 Resp: 501395

Ion Ratio Lower Upper

156 100

77 174.2 87.9 263.8

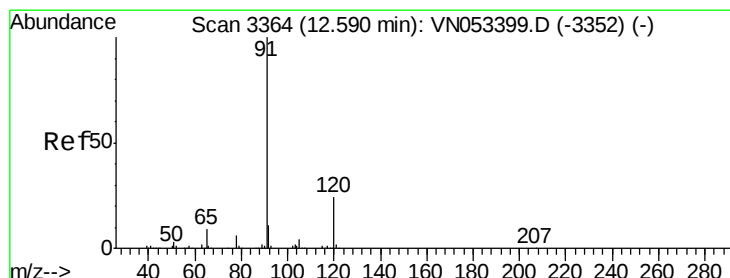
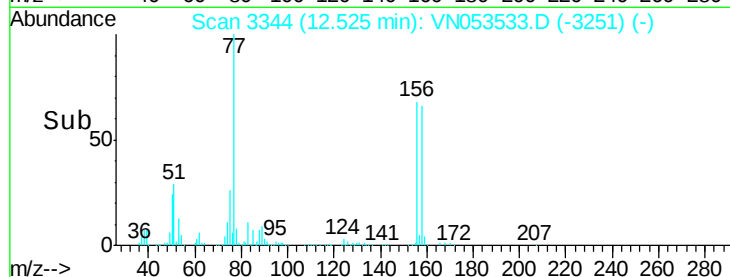
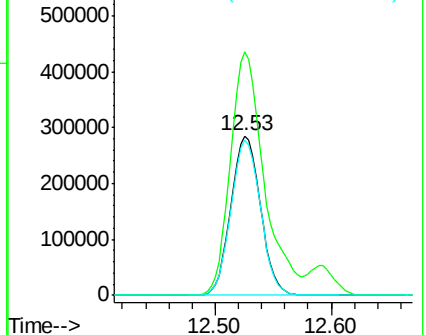
158 97.2 48.8 146.4



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: 52.561 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN053533.D

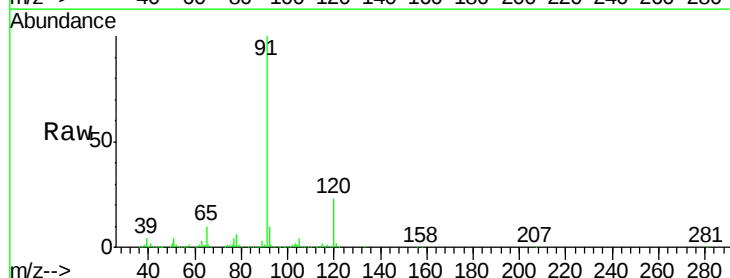
Acq: 28 Jan 2019 9:21

Tgt Ion: 91 Resp: 2233807

Ion Ratio Lower Upper

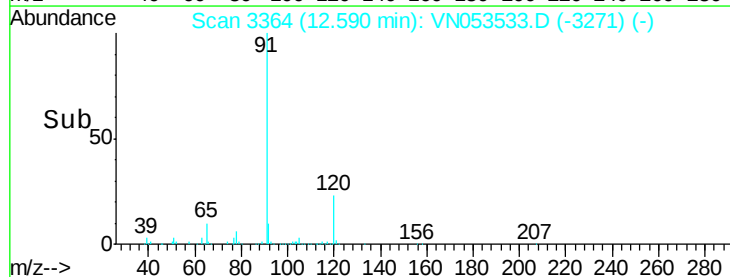
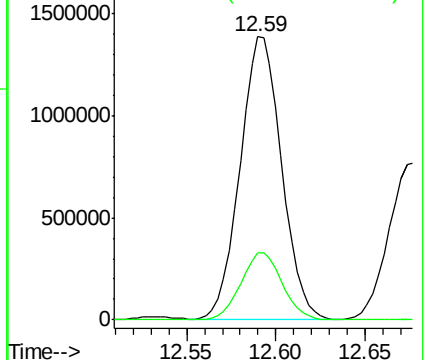
91 100

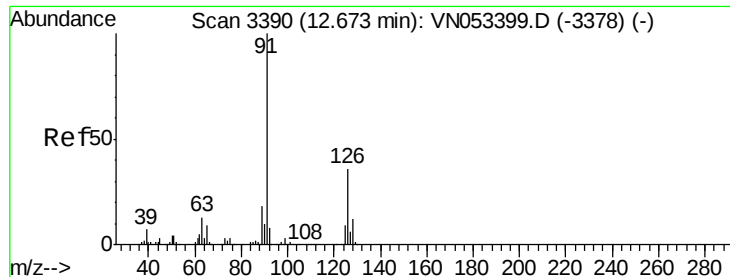
120 23.7 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.362 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN053533.D

Acq: 28 Jan 2019 9:21

Instrument :

MSVOA_N

ClientSampled :

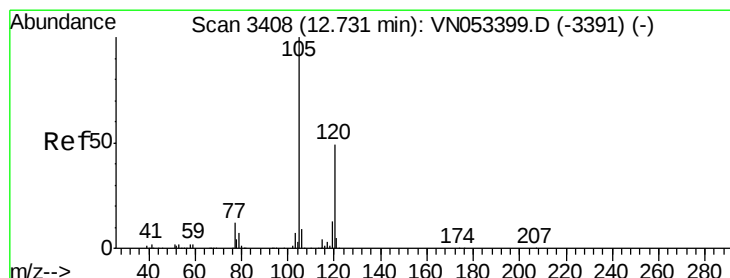
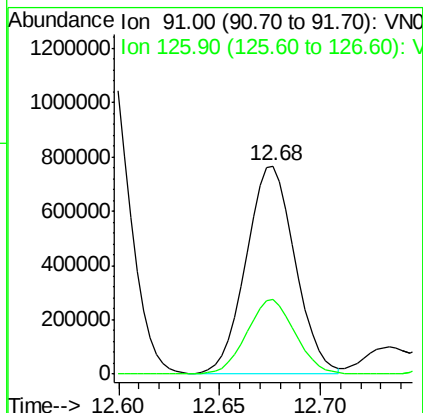
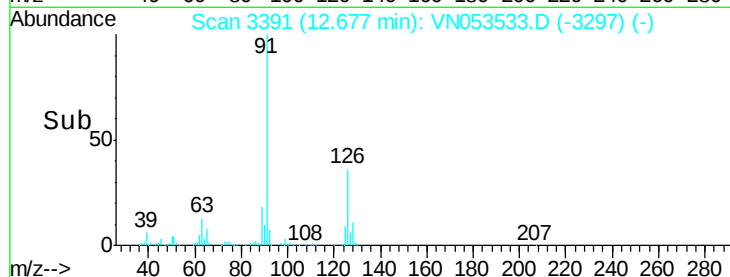
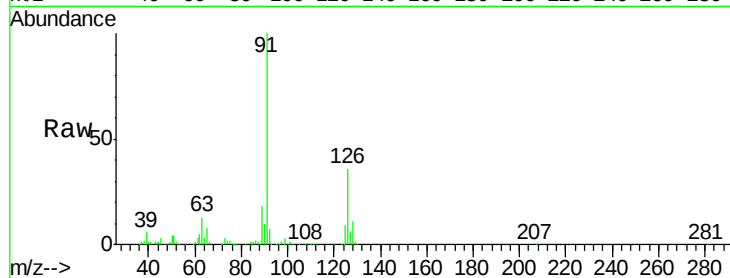
BFB

Tot Ion: 91 Resp: 1293858

Ion Ratio Lower Upper

91 100

126 35.7 17.9 53.7



#80

1,3,5-Trimethylbenzene

Concen: 52.772 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053533.D

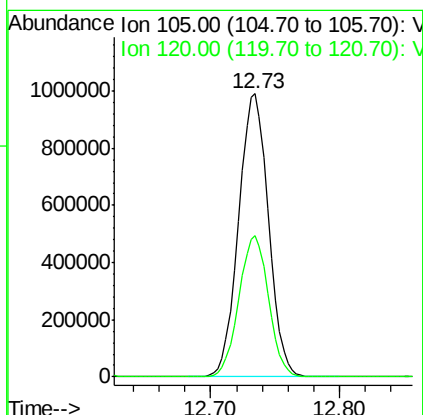
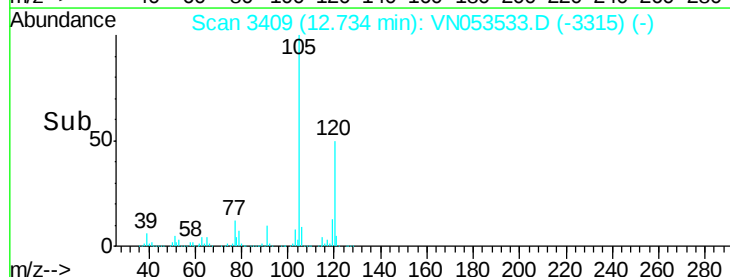
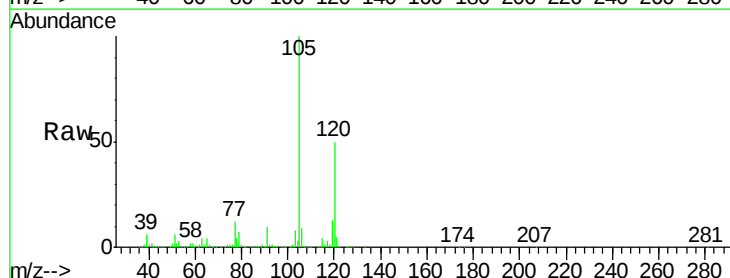
Acq: 28 Jan 2019 9:21

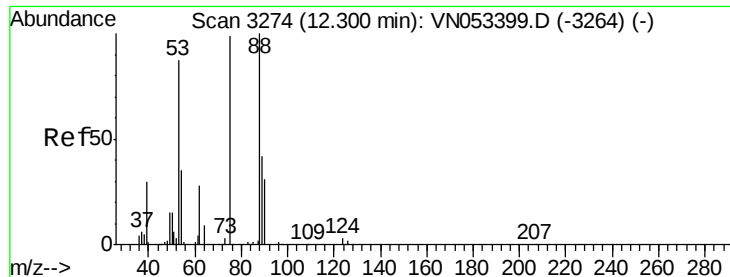
Tgt Ion: 105 Resp: 1589700

Ion Ratio Lower Upper

105 100

120 49.6 24.9 74.6

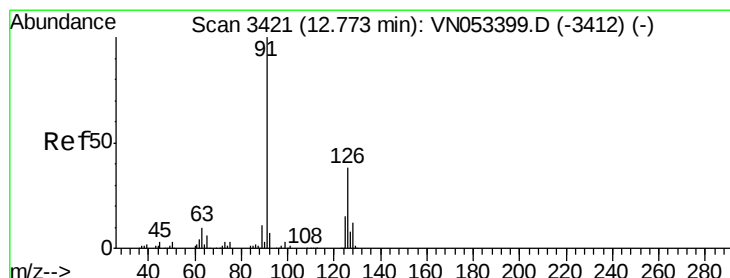
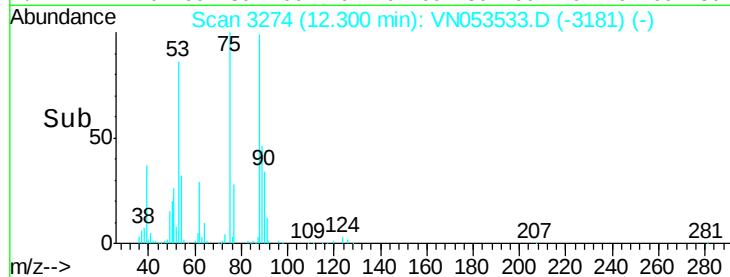
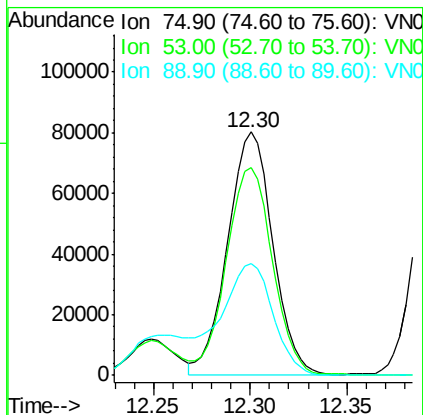
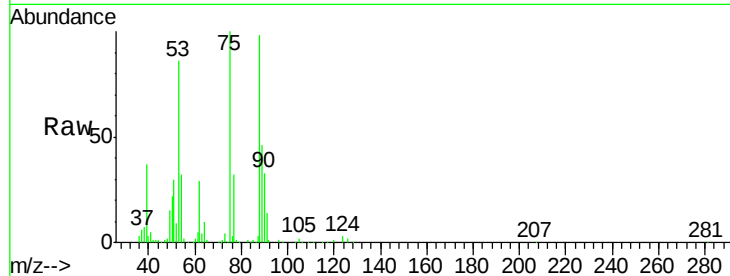




#81
trans-1,4-Dichloro-2-butene
Concen: 49.194 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN053533.D
Acq: 28 Jan 2019 9:21

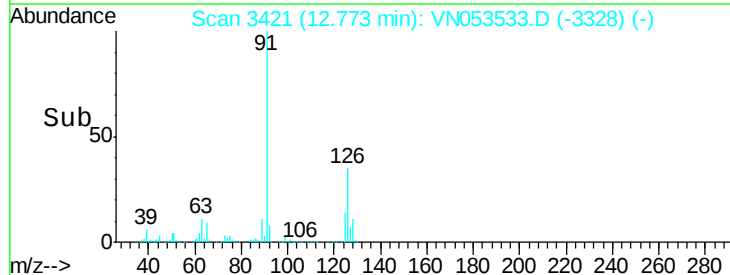
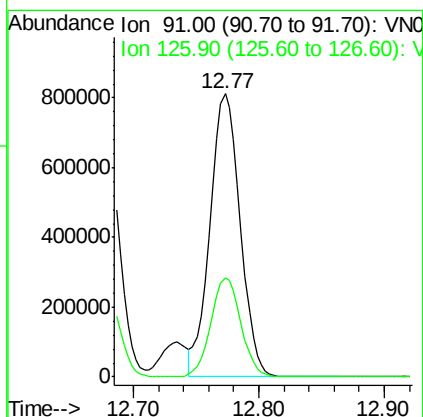
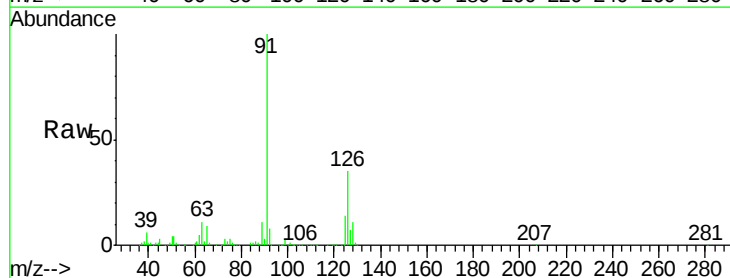
Instrument :
MSVOA_N
ClientSampleId :
BFB

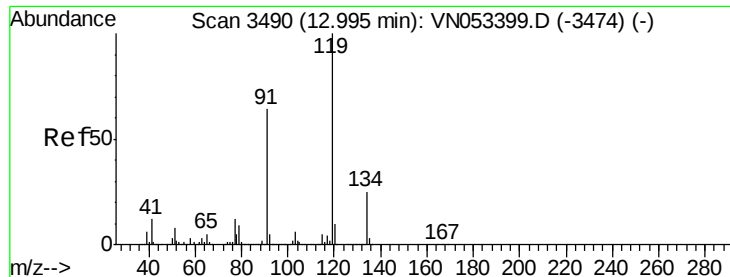
Tot Ion: 75 Resp: 129399
Ion Ratio Lower Upper
75 100
53 88.8 69.8 104.6
89 51.0 35.6 53.4



#82
4-Chlorotoluene
Concen: 52.545 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN053533.D
Acq: 28 Jan 2019 9:21

Tgt Ion: 91 Resp: 1349867
Ion Ratio Lower Upper
91 100
126 34.9 17.6 52.9





#83

tert-Butylbenzene

Concen: 52.420 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN053533.D

Acq: 28 Jan 2019 9:21

Instrument :

MSVOA_N

ClientSampleId :

BFB

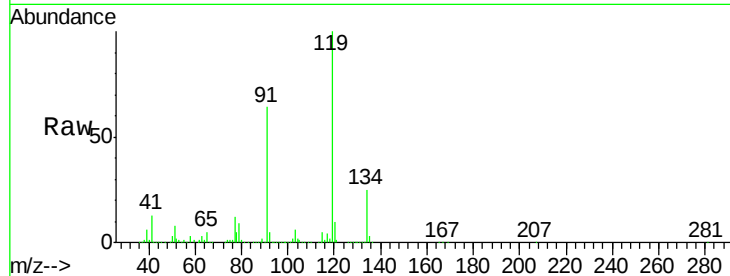
Tot Ion:119 Resp: 1394683

Ion Ratio Lower Upper

119 100

91 62.4 31.3 93.8

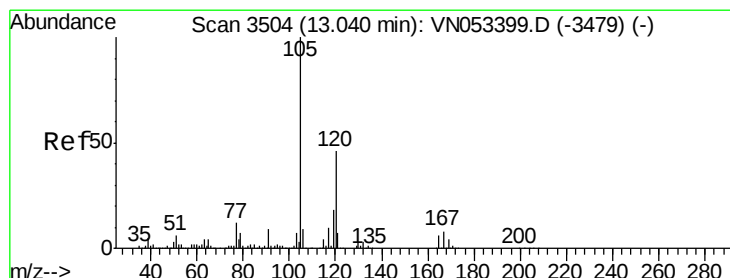
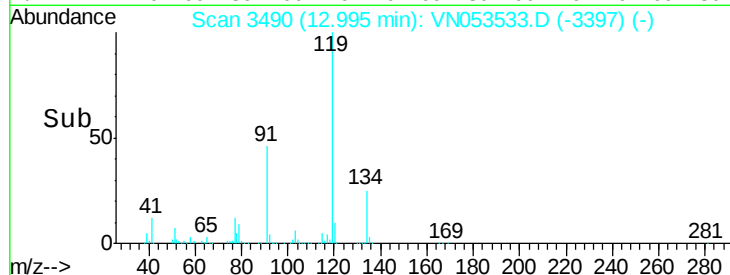
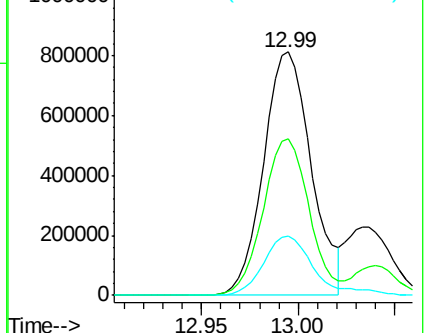
134 25.8 12.9 38.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 53.692 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN053533.D

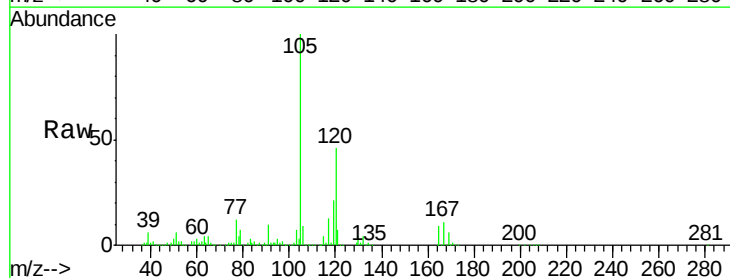
Acq: 28 Jan 2019 9:21

Tgt Ion:105 Resp: 1630826

Ion Ratio Lower Upper

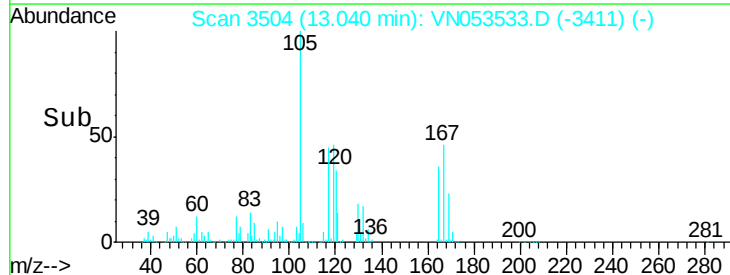
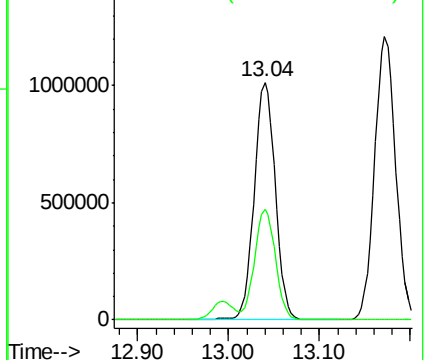
105 100

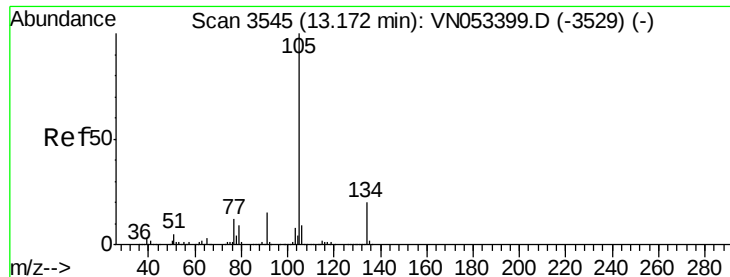
120 46.4 23.0 69.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 53.191 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053533.D

Acq: 28 Jan 2019 9:21

Instrument :

MSVOA_N

ClientSampleId :

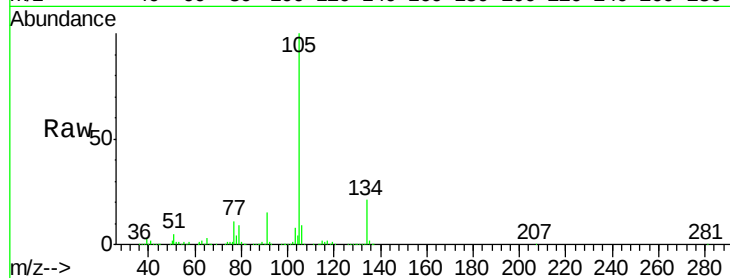
BFB

Tot Ion:105 Resp: 1940862

Ion Ratio Lower Upper

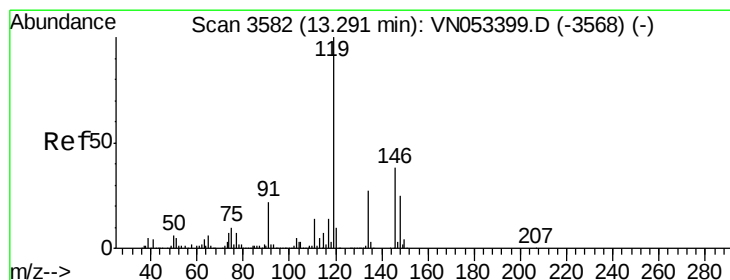
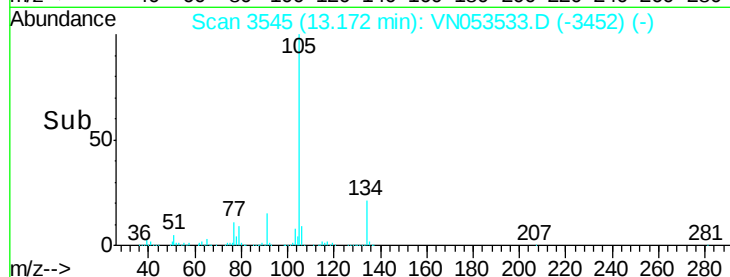
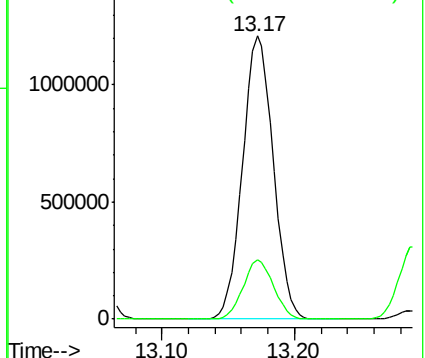
105 100

134 20.7 10.2 30.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 54.676 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053533.D

Acq: 28 Jan 2019 9:21

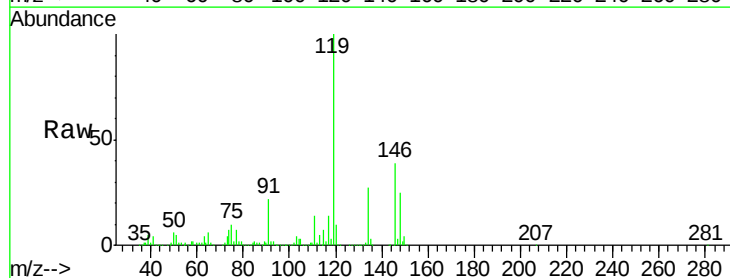
Tgt Ion:119 Resp: 1732272

Ion Ratio Lower Upper

119 100

134 26.8 13.5 40.4

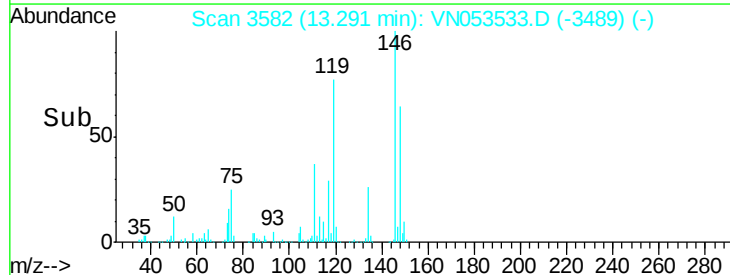
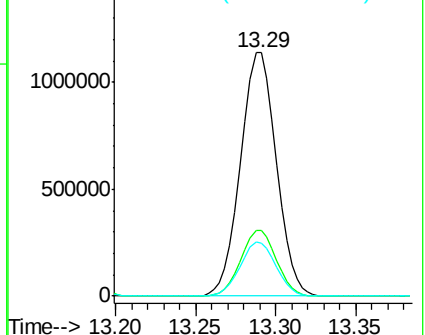
91 22.0 11.0 33.0

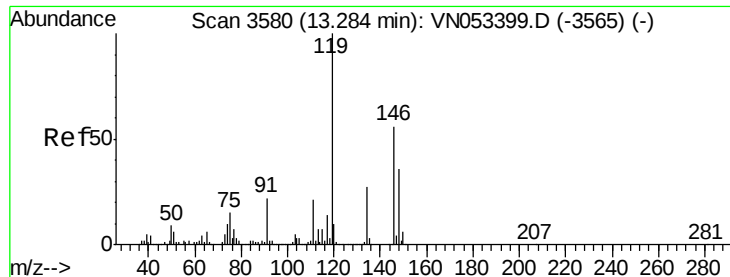


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

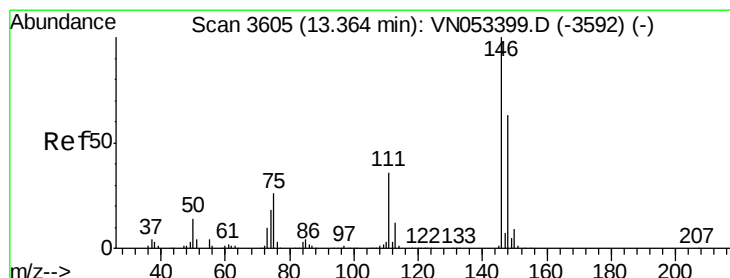
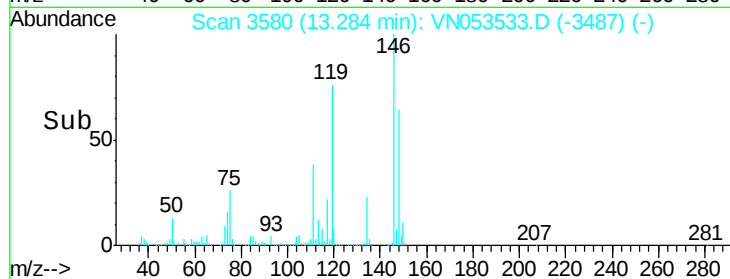
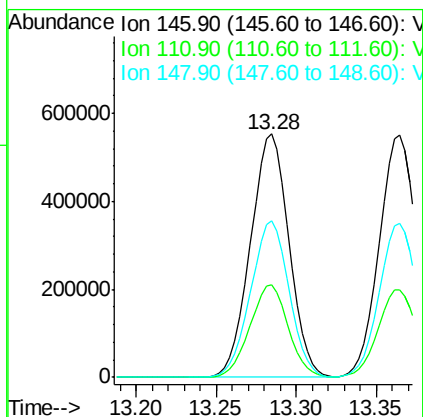
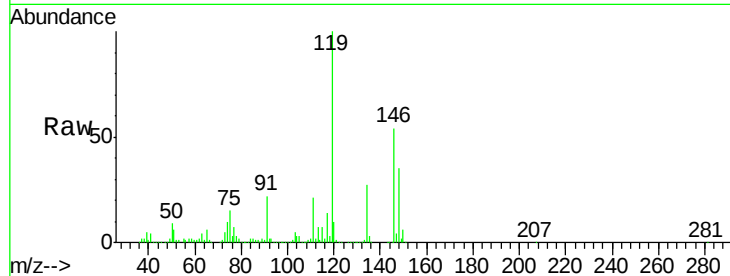




#87
 1,3-Dichlorobenzene
 Concen: 53.315 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN053533.D
 Acq: 28 Jan 2019 9:21

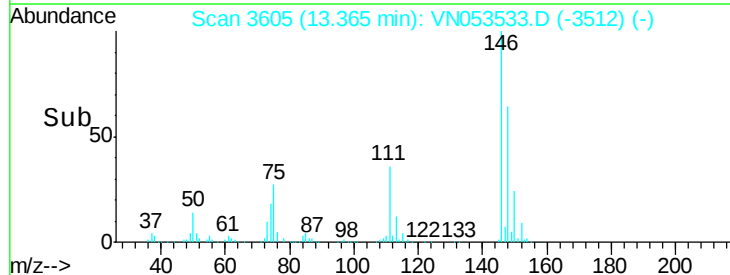
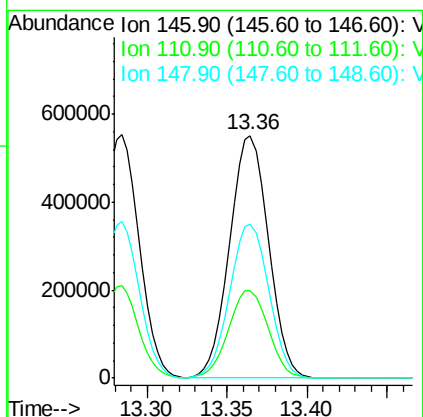
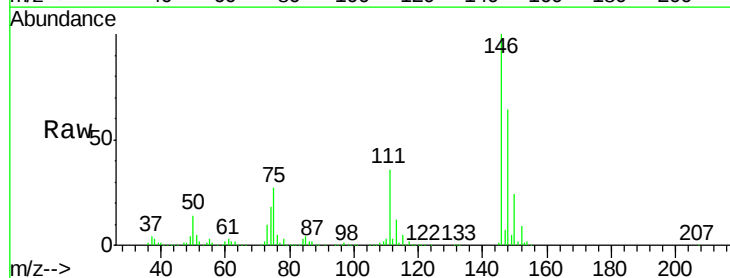
Instrument :
 MSVOA_N
 ClientSampled :
 BFB

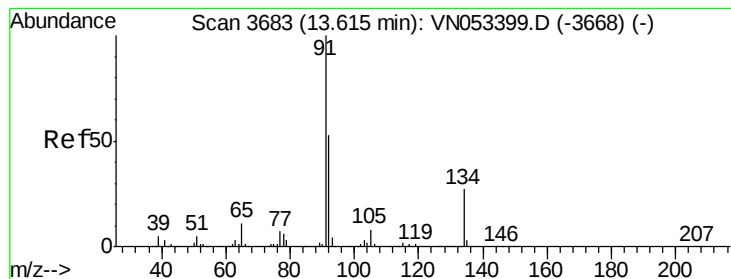
Tot Ion:146 Resp: 914951
 Ion Ratio Lower Upper
 146 100
 111 37.6 18.8 56.3
 148 64.0 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 53.024 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN053533.D
 Acq: 28 Jan 2019 9:21

Tgt Ion:146 Resp: 912757
 Ion Ratio Lower Upper
 146 100
 111 36.9 18.6 55.8
 148 64.2 32.4 97.0





#89

n-Butylbenzene

Concen: 57.276 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN053533.D

Acq: 28 Jan 2019 9:21

Instrument :

MSVOA_N

ClientSampleId :

BFB

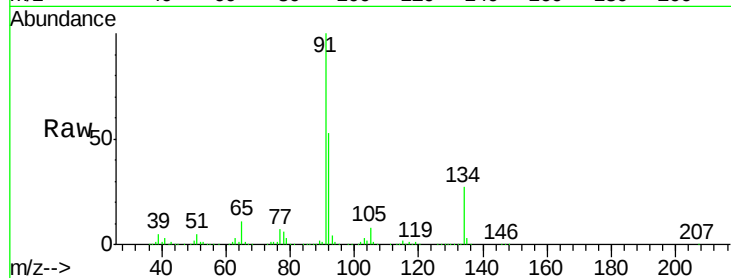
Tot Ion: 91 Resp: 1546832

Ion Ratio Lower Upper

91 100

92 52.6 26.3 78.8

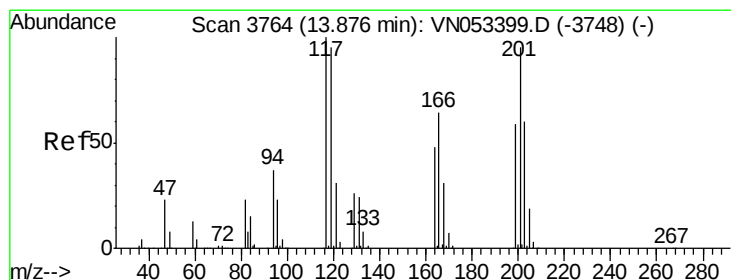
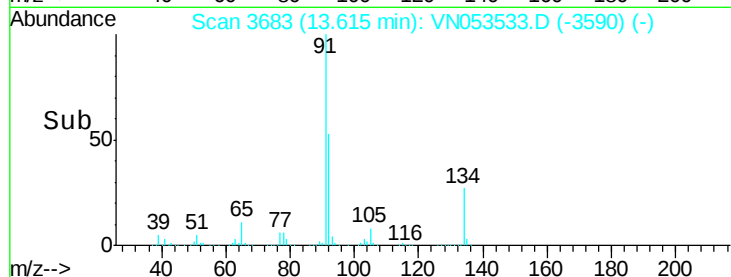
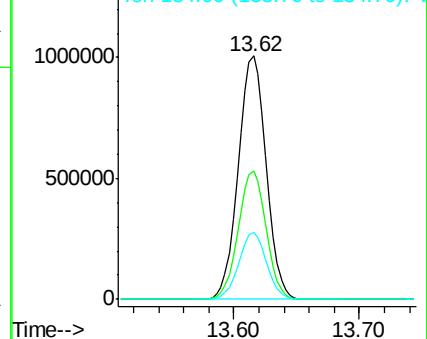
134 27.2 13.5 40.5



Abundance Ion 91.00 (90.70 to 91.70): VN053399.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN053399.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN053399.D (-3668) (-)



#90

Hexachloroethane

Concen: 53.194 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN053533.D

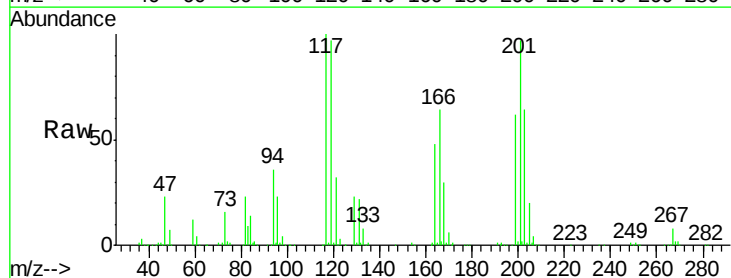
Acq: 28 Jan 2019 9:21

Tgt Ion: 117 Resp: 264316

Ion Ratio Lower Upper

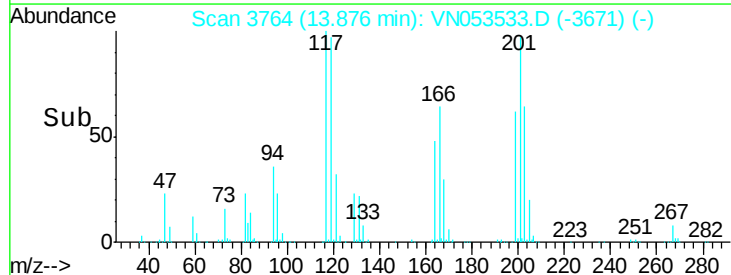
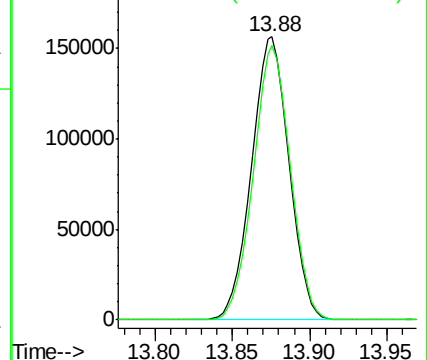
117 100

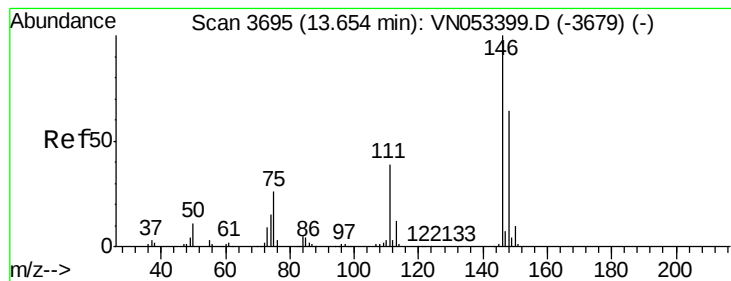
201 95.3 46.8 140.4



Abundance Ion 116.80 (116.50 to 117.50): VN053399.D (-3748) (-)

Ion 200.70 (200.40 to 201.40): VN053399.D (-3748) (-)





#91

1,2-Dichlorobenzene

Concen: 54.982 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN053533.D

Acq: 28 Jan 2019 9:21

Instrument :

MSVOA_N

ClientSampleId :

BFB

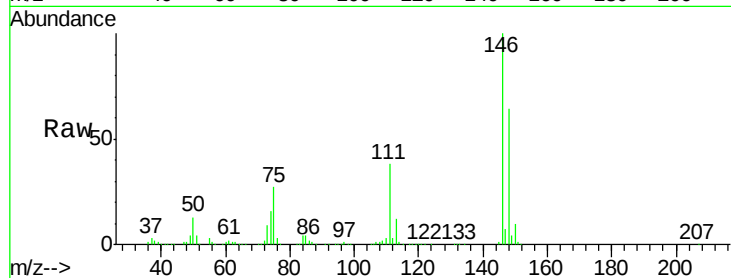
Tot Ion:146 Resp: 868066

Ion Ratio Lower Upper

146 100

111 38.8 19.5 58.5

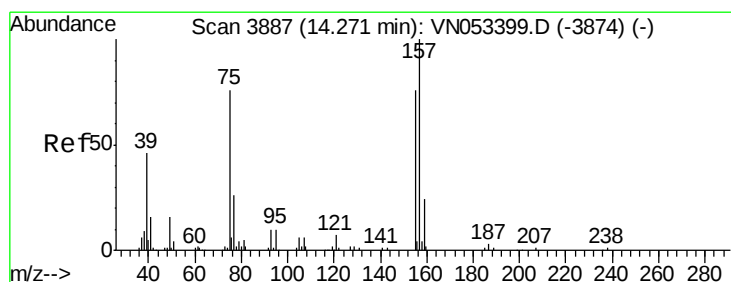
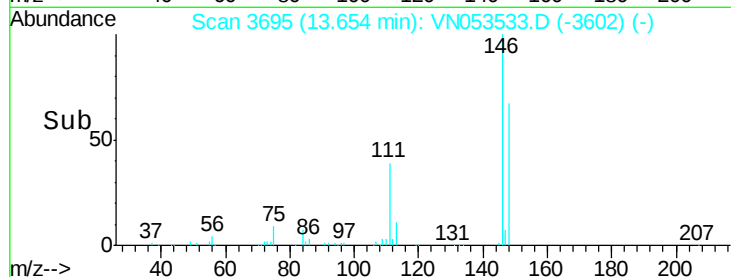
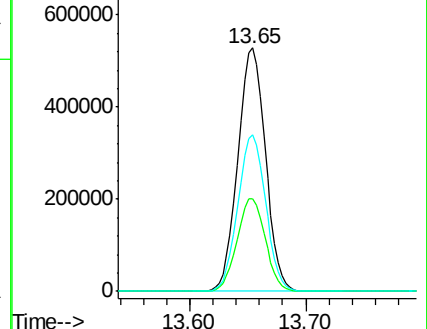
148 64.8 31.9 95.9



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: 66.133 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

Lab File: VN053533.D

Acq: 28 Jan 2019 9:21

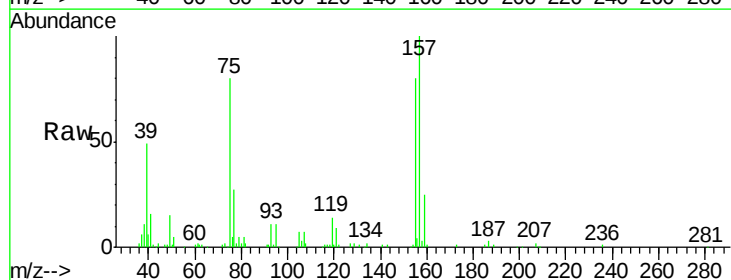
Tgt Ion: 75 Resp: 65113

Ion Ratio Lower Upper

75 100

155 97.3 48.9 146.7

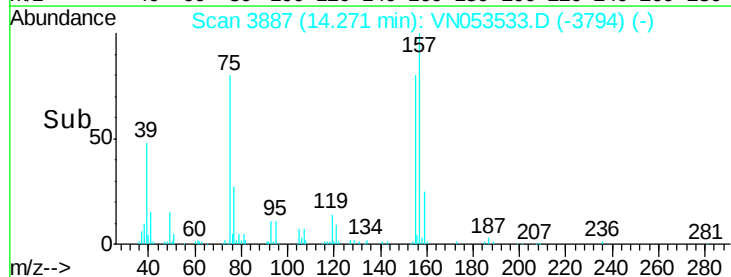
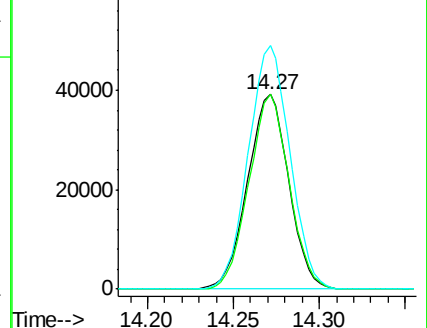
157 126.7 63.7 191.3

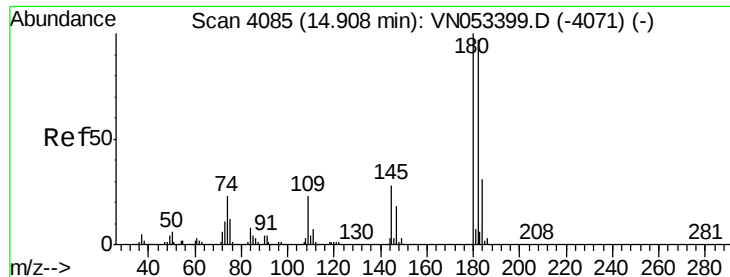


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

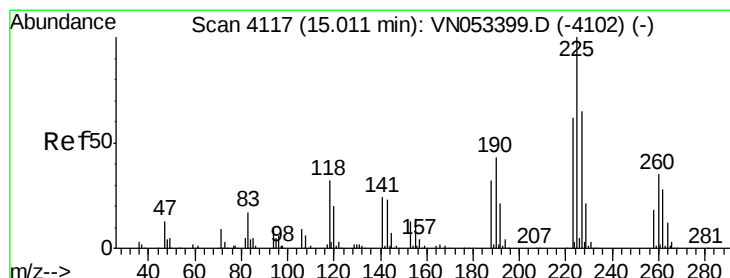
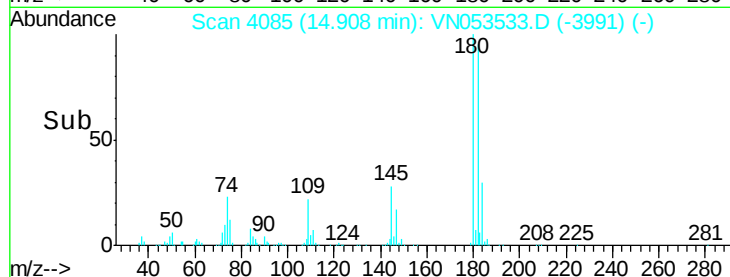
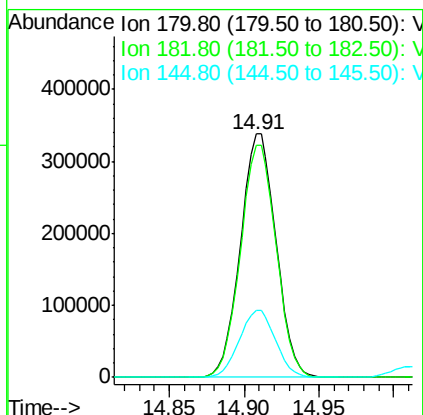
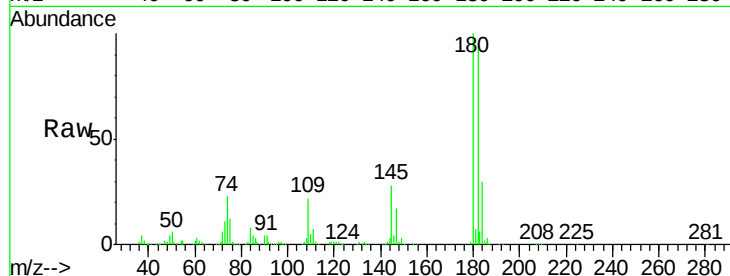




#93
 1,2,4-Trichlorobenzene
 Concen: 78.474 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN053533.D
 Acq: 28 Jan 2019 9:21

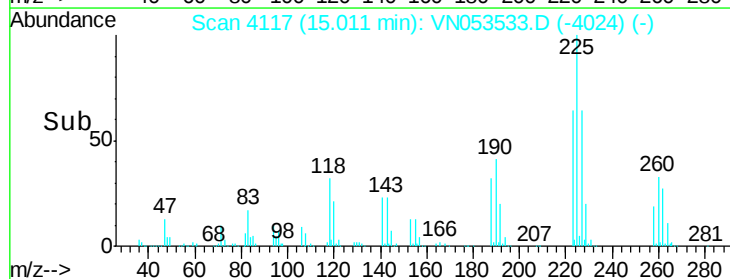
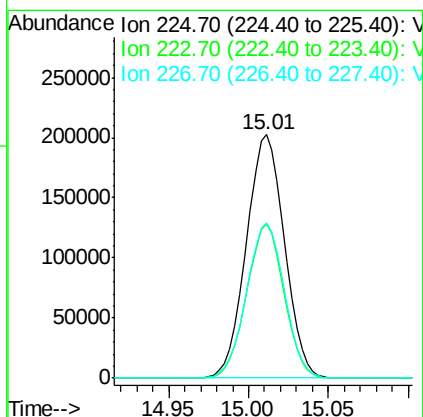
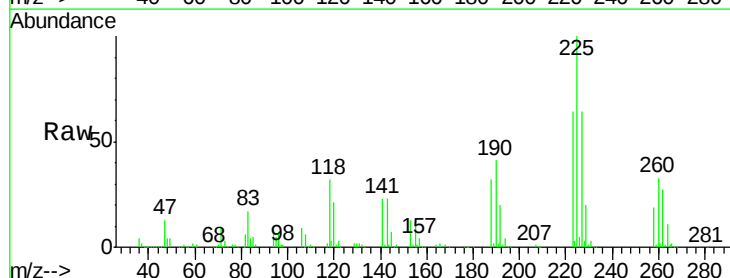
Instrument :
 MSVOA_N
 ClientSampled :
 BFB

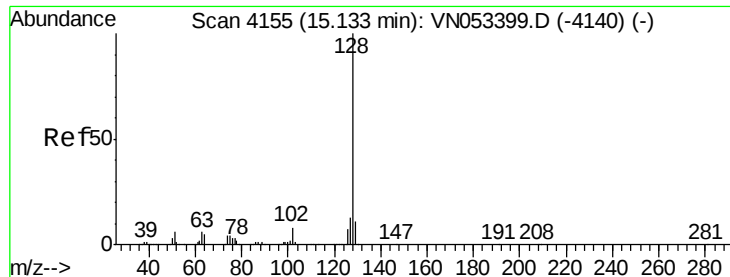
Tot Ion:180 Resp: 558280
 Ion Ratio Lower Upper
 180 100
 182 95.7 48.1 144.3
 145 28.0 13.9 41.6



#94
 Hexachlorobutadiene
 Concen: 66.806 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053533.D
 Acq: 28 Jan 2019 9:21

Tgt Ion:225 Resp: 329027
 Ion Ratio Lower Upper
 225 100
 223 62.1 31.1 93.2
 227 63.8 32.0 96.2





#95

Naphthalene

Concen: 92.564 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053533.D

Acq: 28 Jan 2019 9:21

Instrument :

MSVOA_N

ClientSampled :

BFB

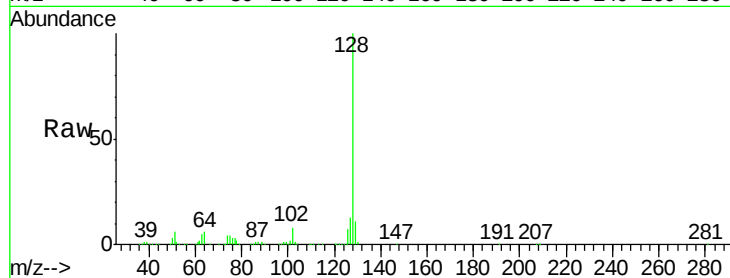
Tot Ion:128 Resp: 1175812

Ion Ratio Lower Upper

128 100

127 12.9 10.3 15.5

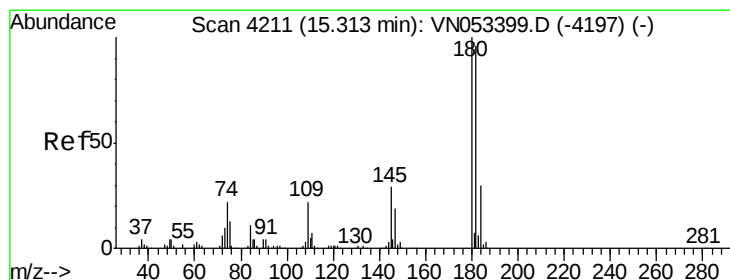
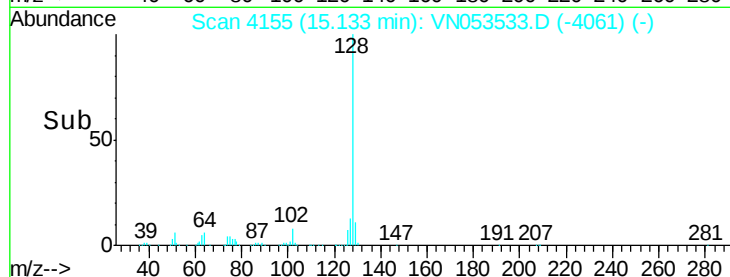
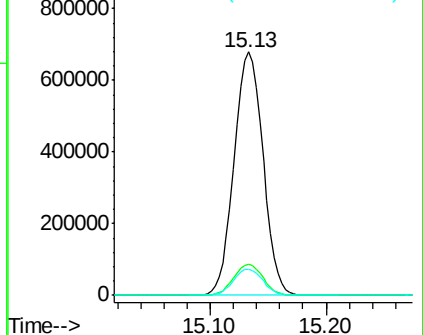
129 10.9 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 97.014 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN053533.D

Acq: 28 Jan 2019 9:21

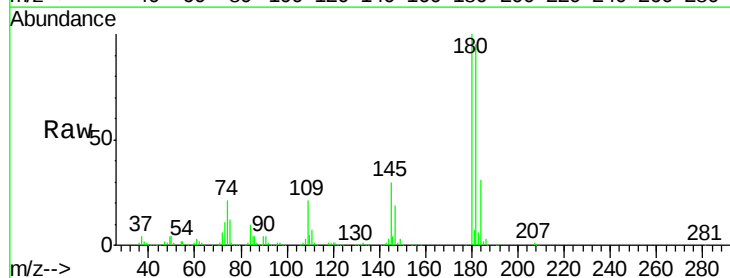
Tgt Ion:180 Resp: 514804

Ion Ratio Lower Upper

180 100

182 95.2 47.9 143.8

145 29.7 14.7 44.1



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

